

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM043986.D
 Acq On : 06 Feb 2024 11:30
 Operator : MA/JU
 Sample : 03572-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Quant Time: Feb 07 03:04:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	250955	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	1136183	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	701347	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1548528	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1581309	20.000	ng	0.00
86) Perylene-d12	23.927	264	1845631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	2442898	143.751	ng	0.00
7) Phenol-d6	7.087	99	3404805	135.602	ng	0.00
23) Nitrobenzene-d5	9.092	82	1982810	84.126	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1254341	146.718	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	4369694	85.611	ng	0.00
79) Terphenyl-d14	19.956	244	7541615	92.066	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	77733	11.836	ng	99
3) Pyridine	3.793	79	191800	9.596	ng	97
4) n-Nitrosodimethylamine	3.716	42	90796	10.567	ng	# 98
6) Aniline	7.251	93	288474	11.547	ng	98
8) 2-Chlorophenol	7.481	128	181628	9.626	ng	99
9) Benzaldehyde	7.069	77	185871	12.966	ng	98
10) Phenol	7.110	94	255454	10.232	ng	95
11) bis(2-Chloroethyl)ether	7.357	93	204987	10.476	ng	96
12) 1,3-Dichlorobenzene	7.804	146	204833	10.055	ng	99
13) 1,4-Dichlorobenzene	7.957	146	207438	10.069	ng	99
14) 1,2-Dichlorobenzene	8.269	146	204493	10.065	ng	98
15) Benzyl Alcohol	8.169	79	176686	10.266	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.457	45	282195m	10.755	ng	
17) 2-Methylphenol	8.369	107	154636	9.690	ng	98
18) Hexachloroethane	8.992	117	77414	10.014	ng	97
19) n-Nitroso-di-n-propyla...	8.734	70	165768	10.033	ng	99
20) 3+4-Methylphenols	8.692	107	212572	9.437	ng	97
22) Acetophenone	8.751	105	328758	10.679	ng	# 97
24) Nitrobenzene	9.134	77	245639	10.387	ng	97
25) Isophorone	9.657	82	434996	9.914	ng	98
26) 2-Nitrophenol	9.839	139	85120	8.906	ng	97
27) 2,4-Dimethylphenol	9.904	122	143904	10.965	ng	99
28) bis(2-Chloroethoxy)met...	10.151	93	278162	10.381	ng	99
29) 2,4-Dichlorophenol	10.369	162	159856	9.550	ng	99
30) 1,2,4-Trichlorobenzene	10.586	180	191441	10.126	ng	99
31) Naphthalene	10.775	128	645006	10.185	ng	98
32) Benzoic acid	9.969	122	81725	11.551	ng	92
33) 4-Chloroaniline	10.892	127	277122	10.646	ng	98
34) Hexachlorobutadiene	11.051	225	100413	9.738	ng	99
35) Caprolactam	11.663	113	59006	8.596	ng	90
36) 4-Chloro-3-methylphenol	12.016	107	190546	9.296	ng	99
37) 2-Methylnaphthalene	12.386	142	436001	9.872	ng	99
38) 1-Methylnaphthalene	12.604	142	432248	9.804	ng	99
40) 1,2,4,5-Tetrachloroben...	12.751	216	213558	10.736	ng	100
41) Hexachlorocyclopentadiene	12.722	237	83592	12.777	ng	98
43) 2,4,6-Trichlorophenol	12.998	196	125112	9.307	ng	94

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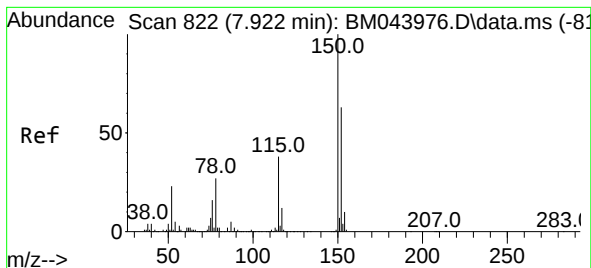
Quant Time: Feb 07 03:04:35 2024
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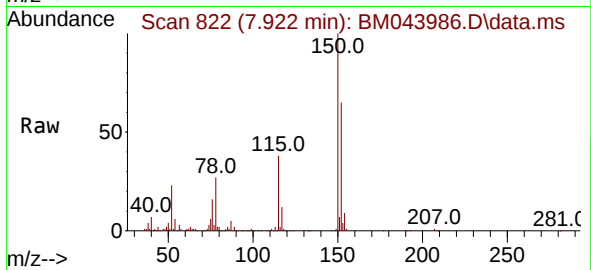
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	145401	9.481	ng	98
46) 1,1'-Biphenyl	13.404	154	582131	10.555	ng	100
47) 2-Chloronaphthalene	13.439	162	448247	10.191	ng	99
48) 2-Nitroaniline	13.651	65	132742	9.279	ng	95
49) Acenaphthylene	14.286	152	740450	11.013	ng	100
50) Dimethylphthalate	14.033	163	562394	10.323	ng	99
51) 2,6-Dinitrotoluene	14.151	165	110365	9.216	ng	93
52) Acenaphthene	14.627	154	432057	10.137	ng	99
53) 3-Nitroaniline	14.480	138	130762	9.406	ng	94
54) 2,4-Dinitrophenol	14.686	184	40489	12.369	ng	96
55) Dibenzofuran	14.963	168	700323	10.558	ng	99
56) 4-Nitrophenol	14.780	139	109908	9.047	ng	99
57) 2,4-Dinitrotoluene	14.939	165	146487	8.788	ng	100
58) Fluorene	15.616	166	566303	10.110	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.186	232	133010	10.060	ng	98
60) Diethylphthalate	15.398	149	554800	9.838	ng	99
61) 4-Chlorophenyl-phenyle...	15.616	204	265983	10.178	ng	99
62) 4-Nitroaniline	15.639	138	138292	9.098	ng	99
63) Azobenzene	15.910	77	573257	10.177	ng	98
65) 4,6-Dinitro-2-methylph...	15.692	198	60960	11.746	ng	93
66) n-Nitrosodiphenylamine	15.833	169	478610	10.376	ng	100
67) 4-Bromophenyl-phenylether	16.515	248	145762	9.555	ng	99
68) Hexachlorobenzene	16.610	284	180385	9.918	ng	98
69) Atrazine	16.792	200	155126	12.156	ng	98
70) Pentachlorophenol	16.957	266	95003	7.955	ng	98
71) Phenanthrene	17.357	178	912672	10.582	ng	100
72) Anthracene	17.451	178	878964	10.409	ng	99
73) Carbazole	17.727	167	860231	9.836	ng	99
74) Di-n-butylphthalate	18.304	149	904046	9.426	ng	100
75) Fluoranthene	19.380	202	1031078	9.667	ng	99
77) Benzidine	19.580	184	450410	22.450	ng	99
78) Pyrene	19.745	202	1114642	10.254	ng	98
80) Butylbenzylphthalate	20.668	149	392481	9.119	ng	98
81) Benzo(a)anthracene	21.503	228	1159636	10.453	ng	99
82) 3,3'-Dichlorobenzidine	21.445	252	377432	10.640	ng	98
83) Chrysene	21.556	228	1078248	10.145	ng	99
84) Bis(2-ethylhexyl)phtha...	21.450	149	595887	9.309	ng	99
85) Di-n-octyl phthalate	22.397	149	964883	8.750	ng	99
87) Indeno(1,2,3-cd)pyrene	26.427	276	1369467	9.916	ng	100
88) Benzo(b)fluoranthene	23.192	252	1140759	9.826	ng	99
89) Benzo(k)fluoranthene	23.244	252	1138185	10.219	ng	100
90) Benzo(a)pyrene	23.821	252	1008425	9.827	ng	99
91) Dibenzo(a,h)anthracene	26.456	278	1133538	9.953	ng	99
92) Benzo(g,h,i)perylene	27.191	276	1116756	9.613	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

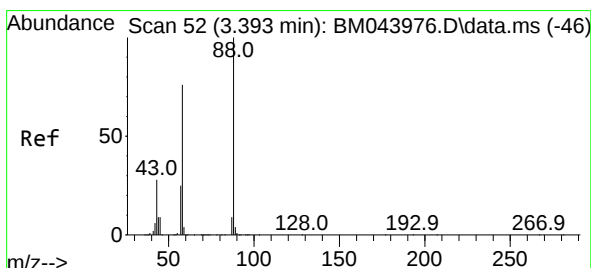
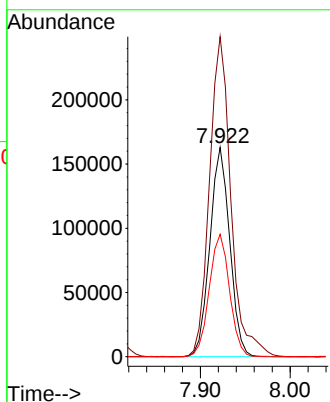
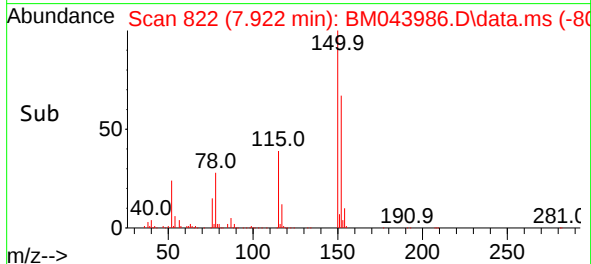
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:152 Resp: 25095
Ion Ratio Lower Upper
152 100
150 152.9 126.1 189.1
115 58.5 48.2 72.2

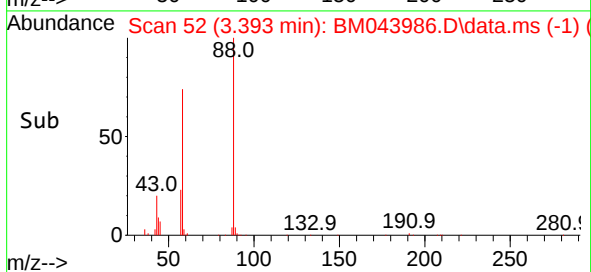
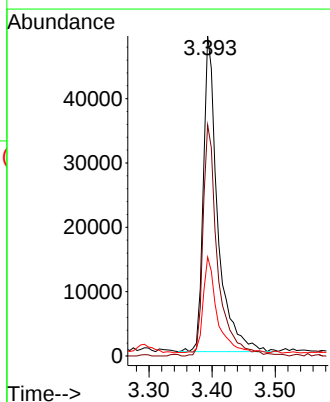
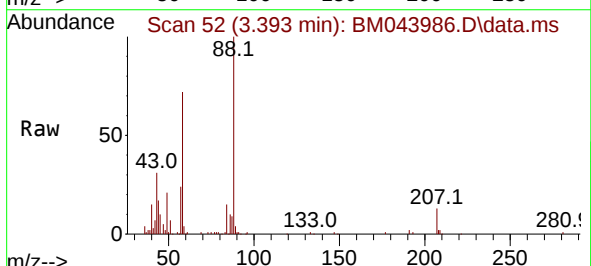
Manual Integrations
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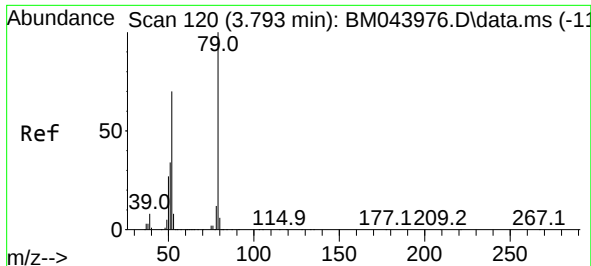
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#2
1,4-Dioxane
Concen: 11.836 ng
RT: 3.393 min Scan# 52
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

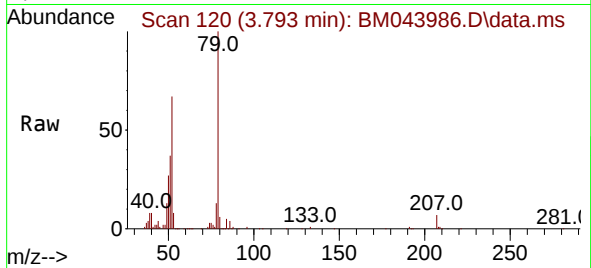
Tgt Ion: 88 Resp: 77733
Ion Ratio Lower Upper
88 100
58 74.6 61.0 91.6
43 28.7 23.0 34.6





#3
Pyridine
Concen: 9.596 ng
RT: 3.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

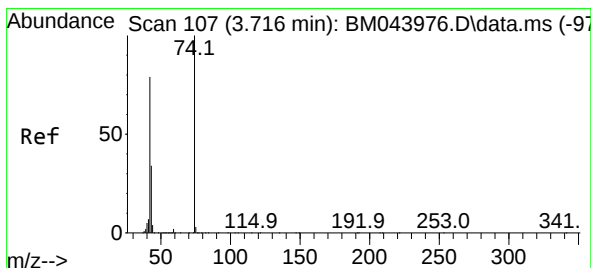
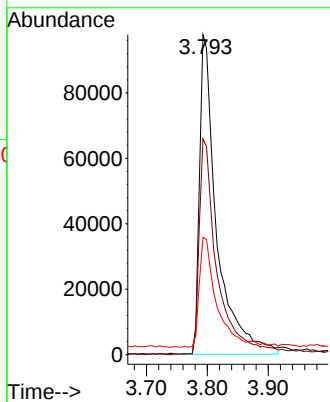
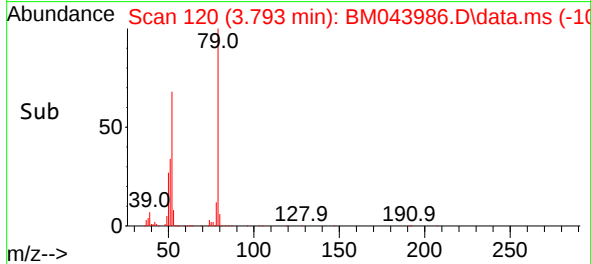
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



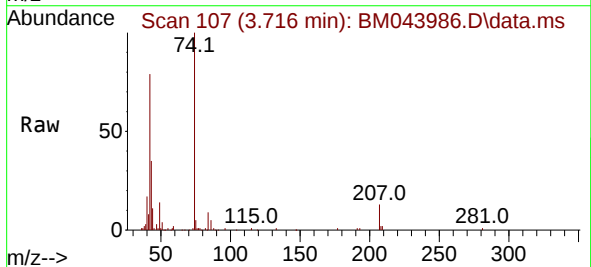
Tgt Ion: 79 Resp: 191800
Ion Ratio Lower Upper
79 100
52 67.5 55.9 83.9
51 36.7 28.2 42.2

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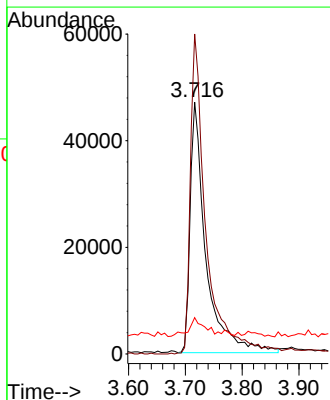
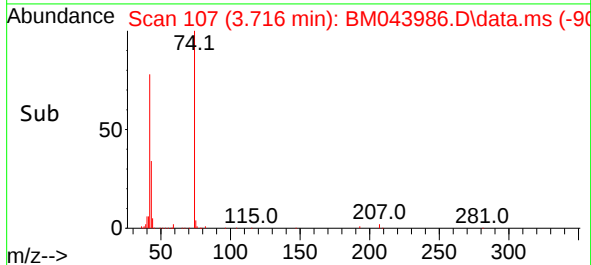
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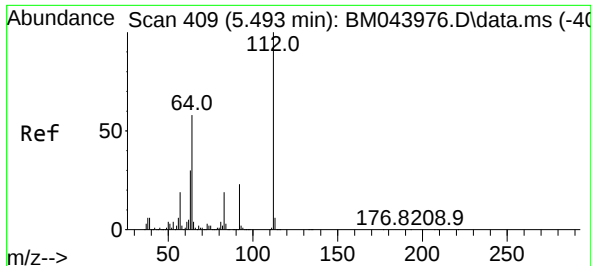


#4
n-Nitrosodimethylamine
Concen: 10.567 ng
RT: 3.716 min Scan# 107
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



Tgt Ion: 42 Resp: 90796
Ion Ratio Lower Upper
42 100
74 127.0 100.7 151.1
44 14.4 7.3 10.9#





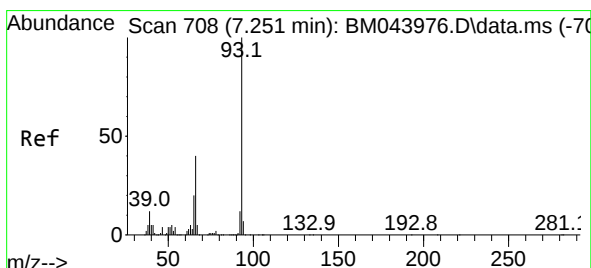
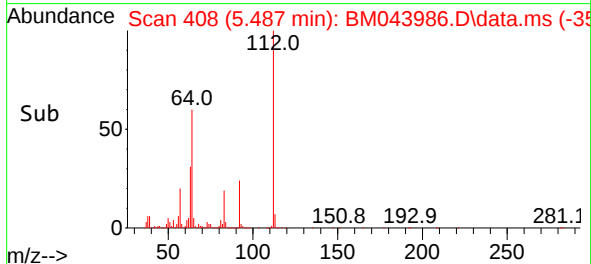
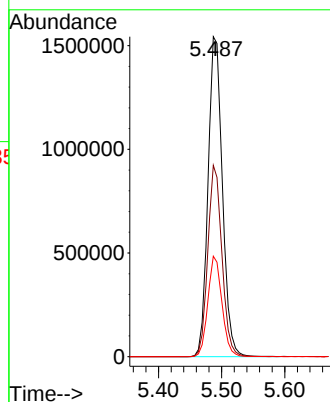
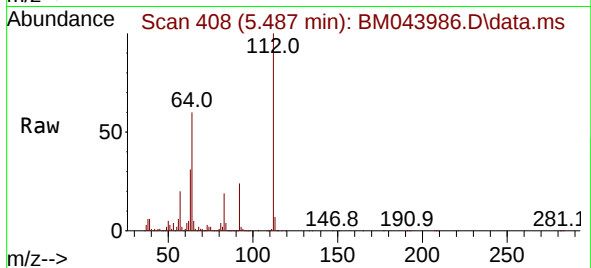
#5
2-Fluorophenol
Concen: 143.751 ng
RT: 5.487 min Scan# 409
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:112 Resp: 2442898
Ion Ratio Lower Upper
112 100
64 59.8 46.6 70.0
63 31.4 24.2 36.4

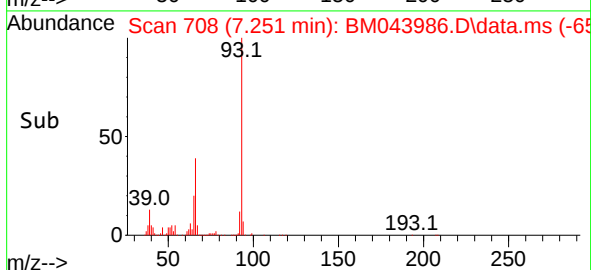
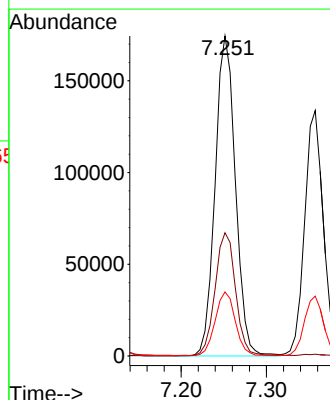
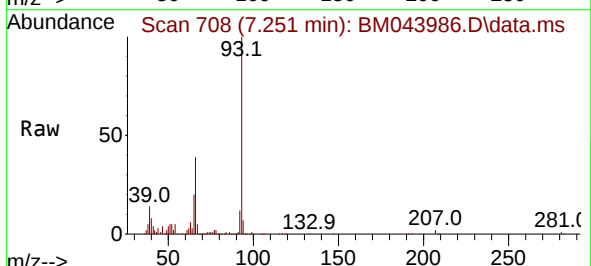
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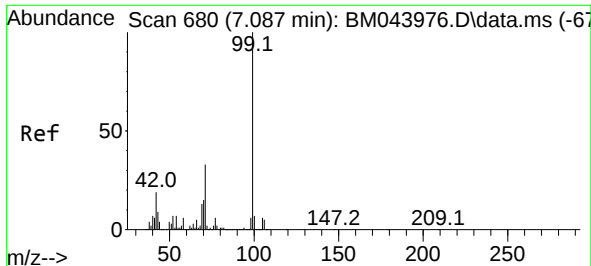
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#6
Aniline
Concen: 11.547 ng
RT: 7.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

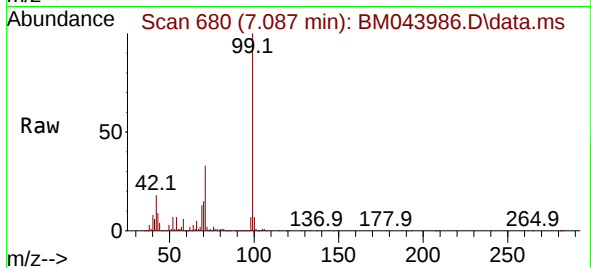
Tgt Ion: 93 Resp: 288474
Ion Ratio Lower Upper
93 100
66 38.5 32.2 48.2
65 20.0 15.8 23.8





#7
Phenol-d6
Concen: 135.602 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

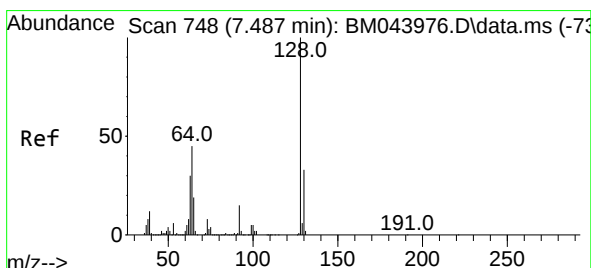
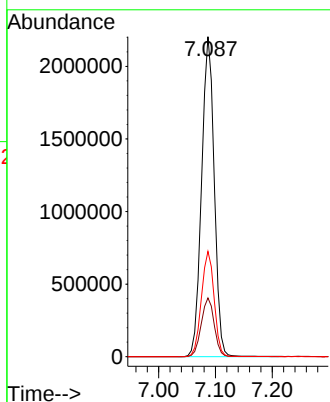
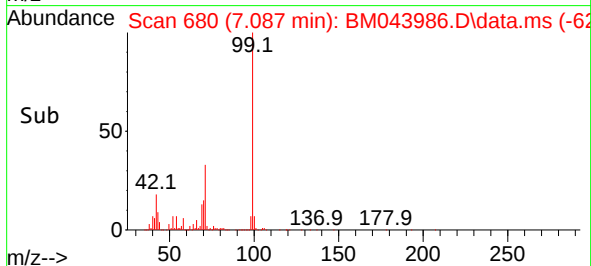
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 99 Resp: 340480
Ion Ratio Lower Upper
99 100
42 18.4 14.9 22.3
71 32.9 26.3 39.5

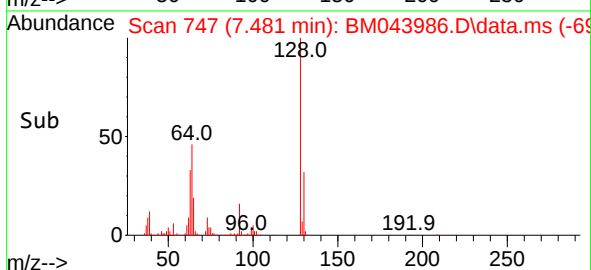
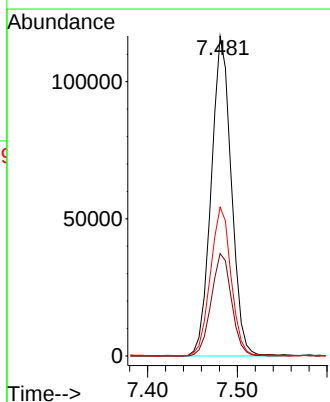
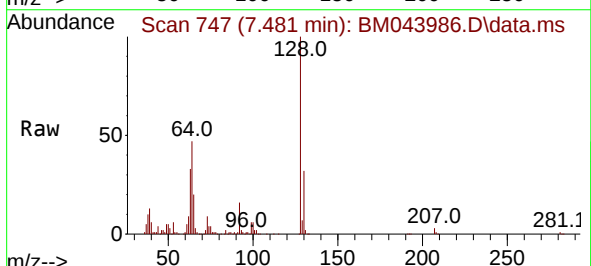
Manual Integrations
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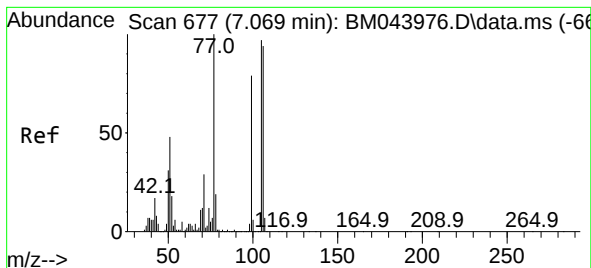
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#8
2-Chlorophenol
Concen: 9.626 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

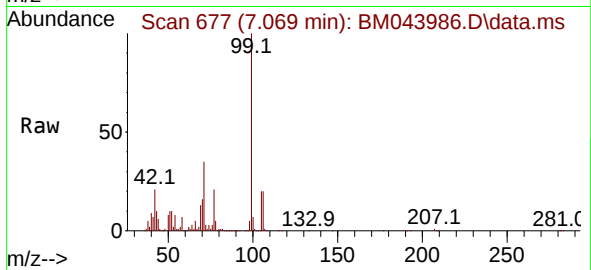
Tgt Ion:128 Resp: 181628
Ion Ratio Lower Upper
128 100
130 32.0 12.9 52.9
64 46.5 25.6 65.6





#9
Benzaldehyde
Concen: 12.966 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

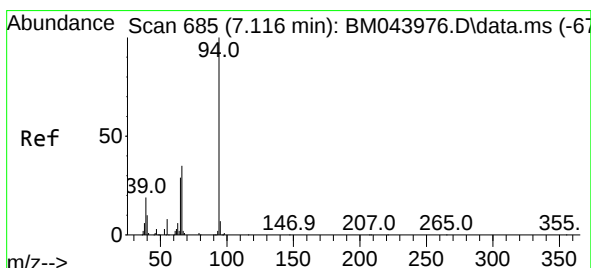
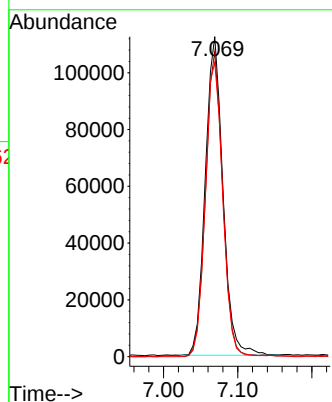
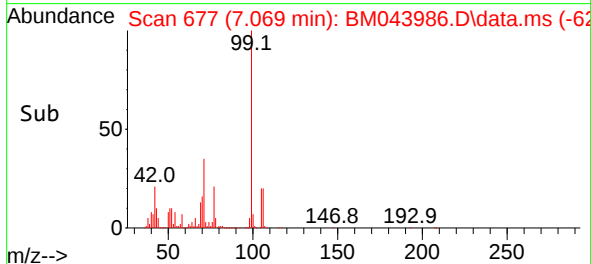
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 77 Resp: 18587
Ion Ratio Lower Upper
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105 95.3 77.4 117.4
106 92.0 73.5 113.5

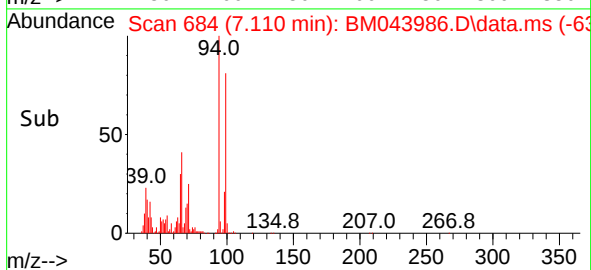
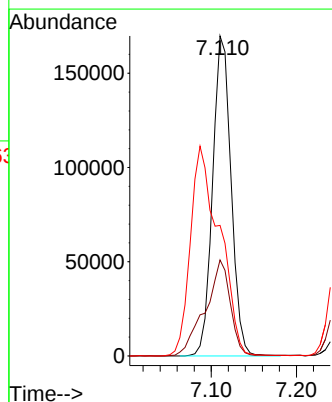
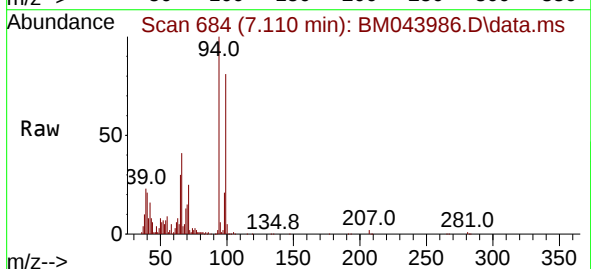
Manual Integrations
APPROVED

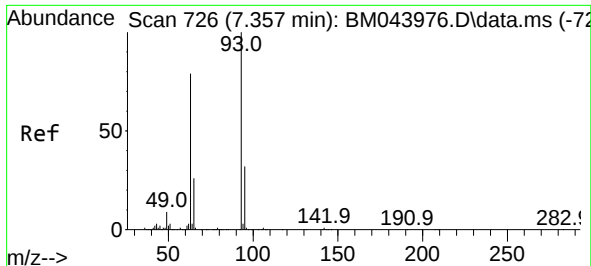
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#10
Phenol
Concen: 10.232 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

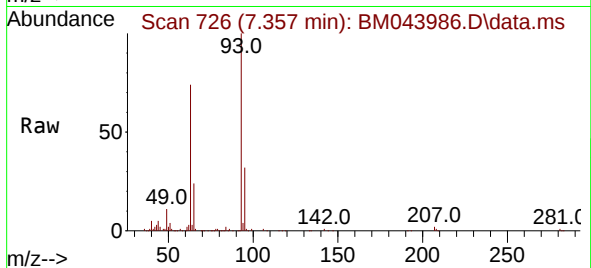
Tgt Ion: 94 Resp: 255454
Ion Ratio Lower Upper
94 100
65 30.0 9.3 49.3
66 40.8 15.7 55.7





#11
bis(2-Chloroethyl)ether
Concen: 10.476 ng
RT: 7.357 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

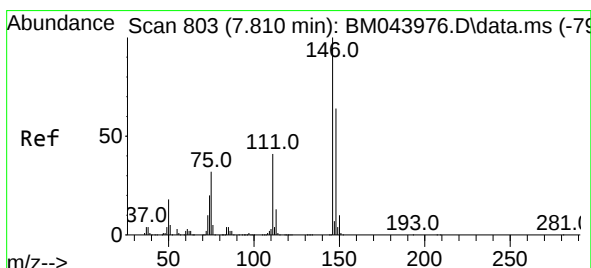
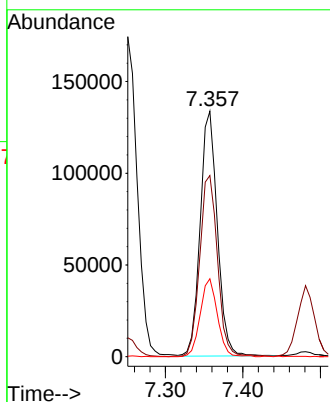
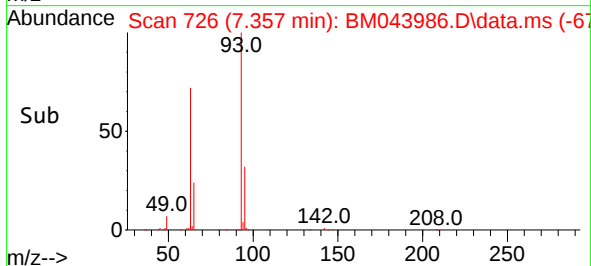
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 93 Resp: 20498
Ion Ratio Lower Upper
93 100
63 73.8 59.0 99.0
95 31.8 11.9 51.9

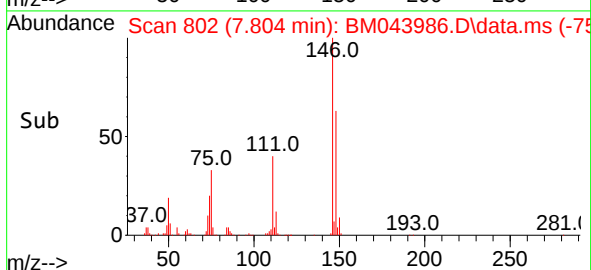
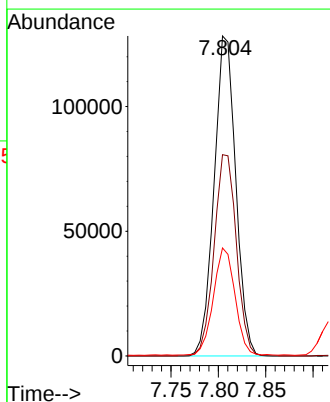
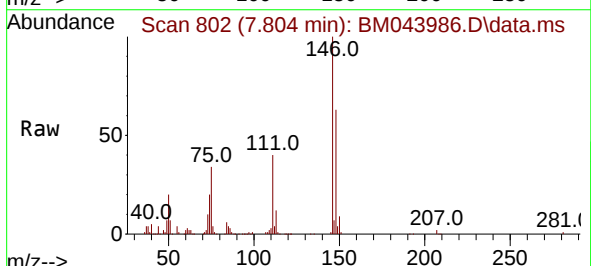
Manual Integrations
APPROVED

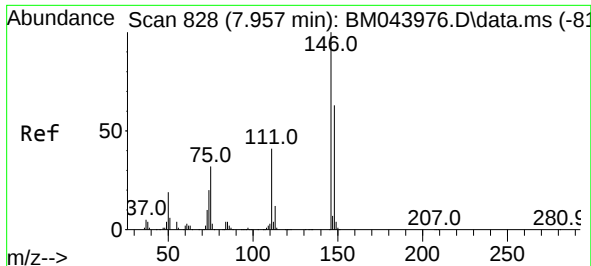
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#12
1,3-Dichlorobenzene
Concen: 10.055 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

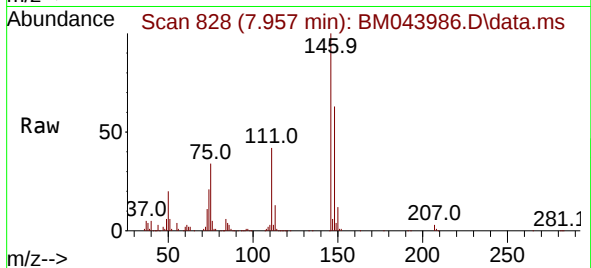
Tgt Ion:146 Resp: 204833
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.6
75 33.7 26.1 39.1





#13
1,4-Dichlorobenzene
Concen: 10.069 ng
RT: 7.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

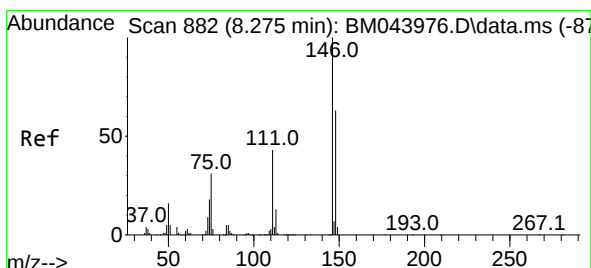
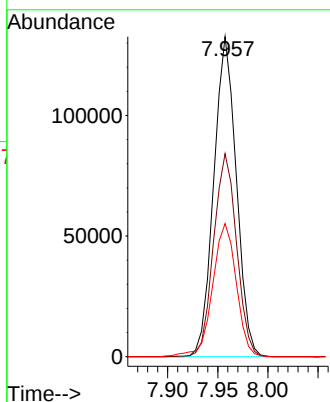
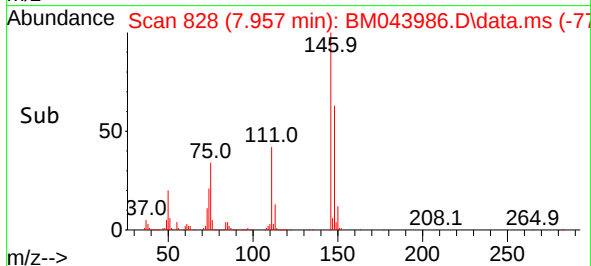
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



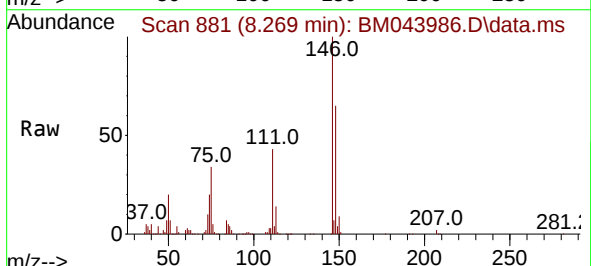
Tgt Ion:146 Resp: 207438
Ion Ratio Lower Upper
146 100
148 63.4 50.7 76.1
111 41.6 32.6 49.0

Manual Integrations
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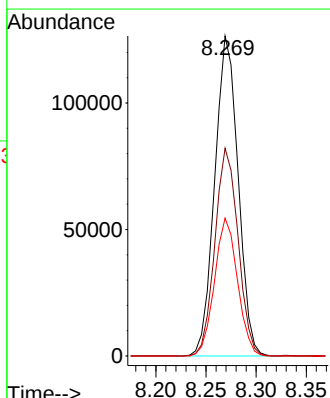
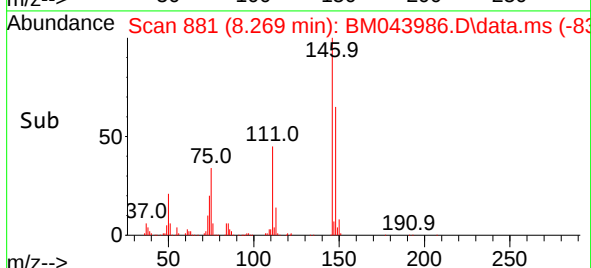
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

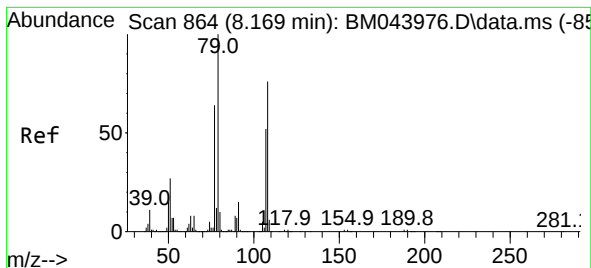


#14
1,2-Dichlorobenzene
Concen: 10.065 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



Tgt Ion:146 Resp: 204493
Ion Ratio Lower Upper
146 100
148 64.9 50.3 75.5
111 43.0 34.3 51.5





#15

Benzyl Alcohol

Concen: 10.266 ng

RT: 8.169 min Scan# 80

Delta R.T. 0.000 min

Lab File: BM043986.D

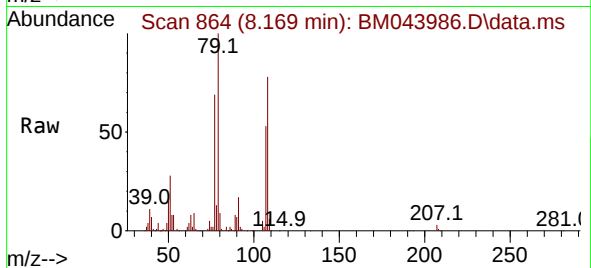
Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion: 79 Resp: 176680

Ion Ratio Lower Upper

79 100

108 77.5 60.7 91.1

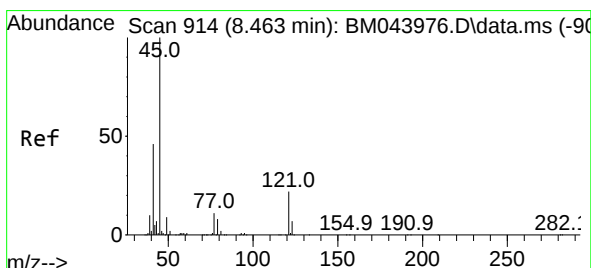
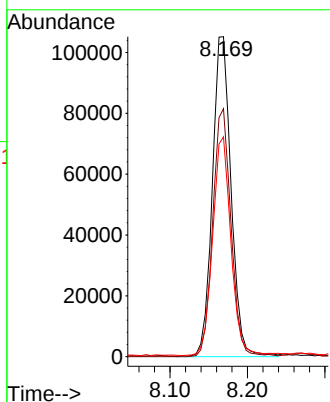
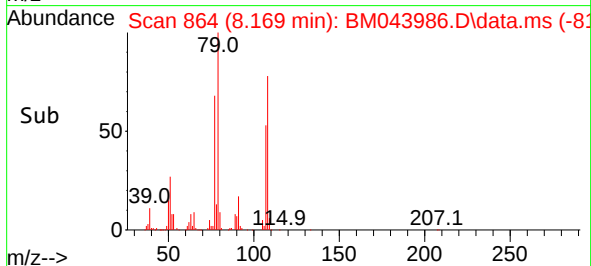
77 68.7 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.755 ng m

RT: 8.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

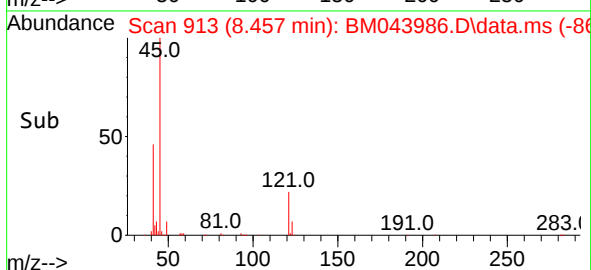
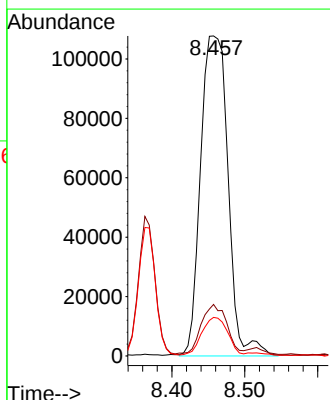
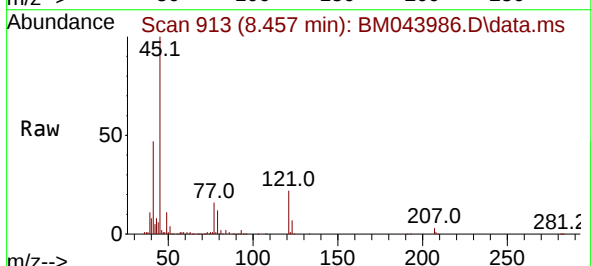
Tgt Ion: 45 Resp: 282195

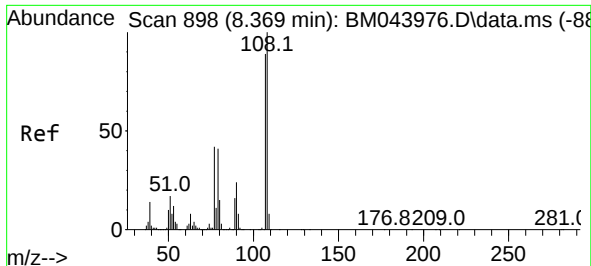
Ion Ratio Lower Upper

45 100

77 16.1 0.0 34.4

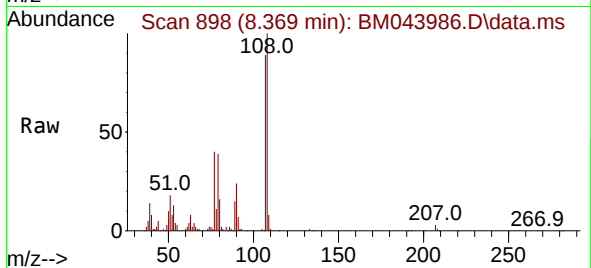
79 12.1 0.0 31.2





#17
2-Methylphenol
Concen: 9.690 ng
RT: 8.369 min Scan# 898
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

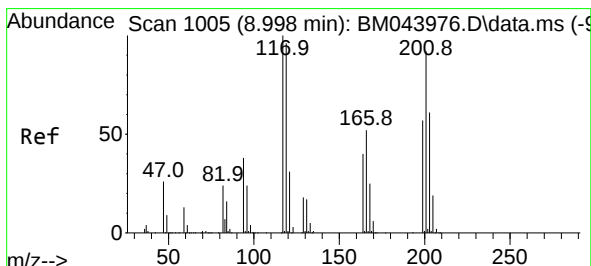
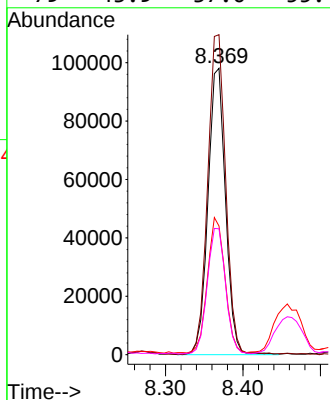
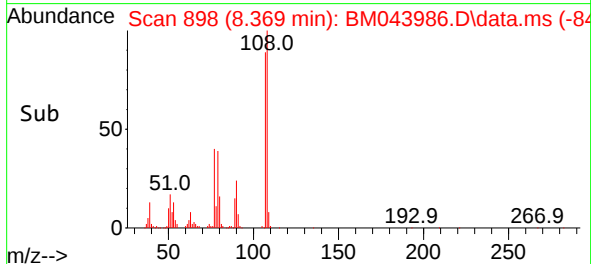
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:107 Resp: 154630
Ion Ratio Lower Upper
107 100
108 111.7 90.4 135.6
77 44.9 38.0 57.0
79 43.9 37.0 55.4

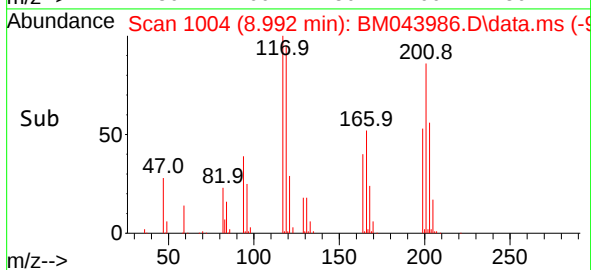
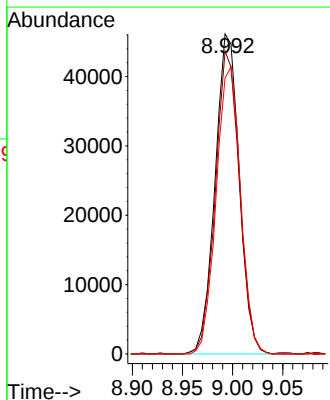
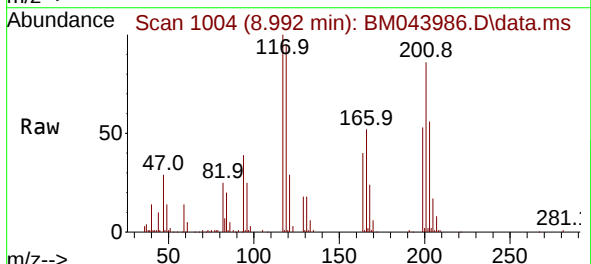
Manual Integrations
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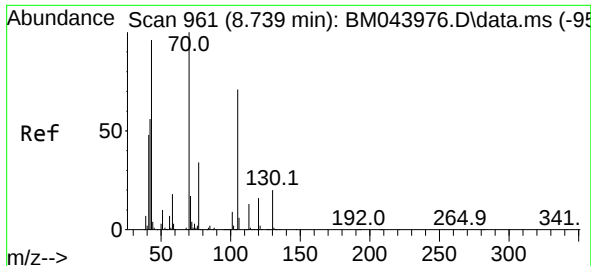
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#18
Hexachloroethane
Concen: 10.014 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

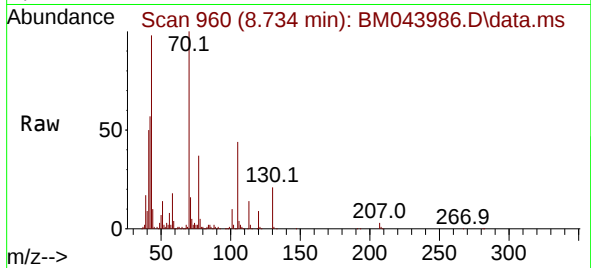
Tgt Ion:117 Resp: 77414
Ion Ratio Lower Upper
117 100
119 94.7 76.7 115.1
201 86.3 73.4 110.2





#19
n-Nitroso-di-n-propylamine
Concen: 10.033 ng
RT: 8.734 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

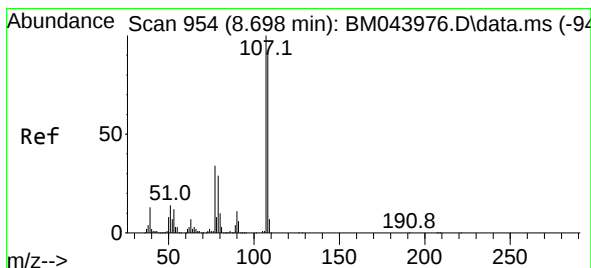
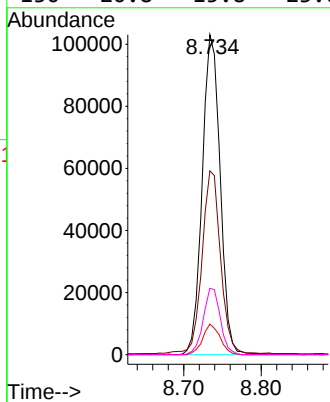
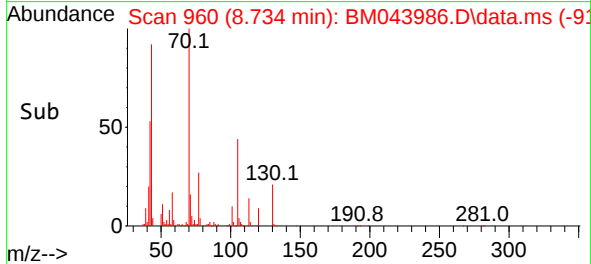
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 70 Resp: 165768
Ion Ratio Lower Upper
70 100
42 57.4 45.6 68.4
101 9.6 7.5 11.3
130 20.8 15.8 23.6

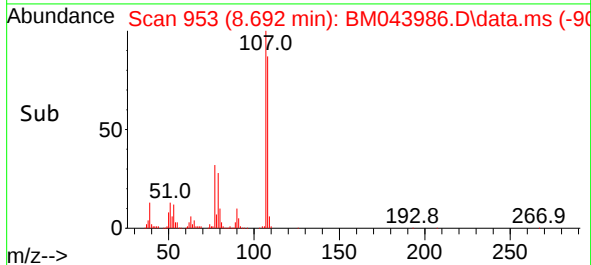
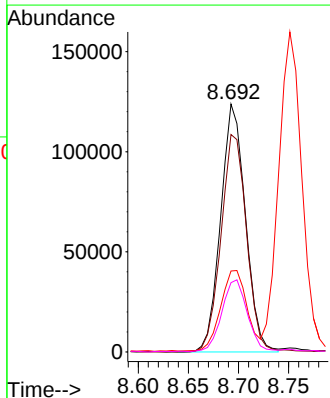
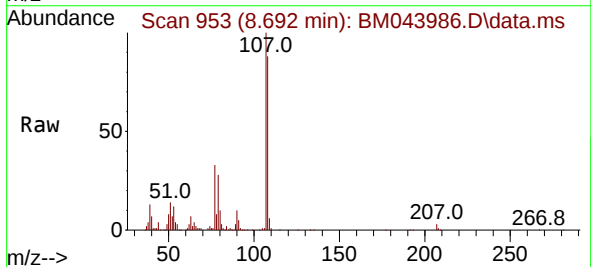
Manual Integrations
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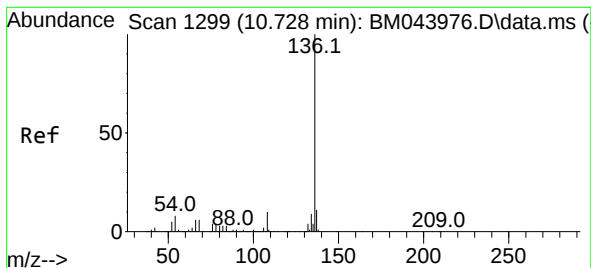
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#20
3+4-Methylphenols
Concen: 9.437 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

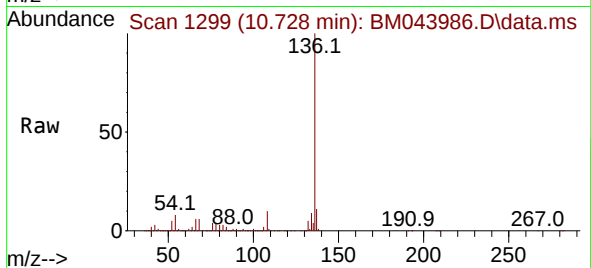
Tgt Ion:107 Resp: 212572
Ion Ratio Lower Upper
107 100
108 87.7 70.3 110.3
77 32.7 14.0 54.0
79 28.0 9.4 49.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

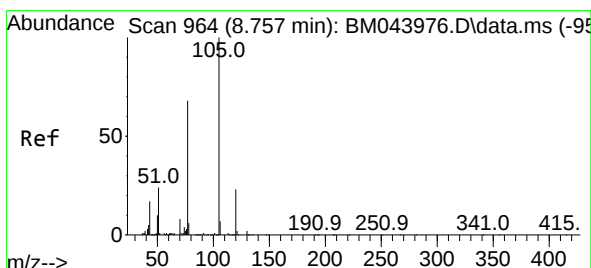
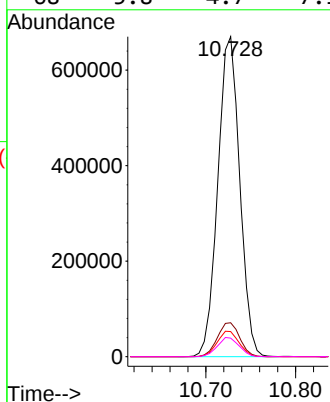
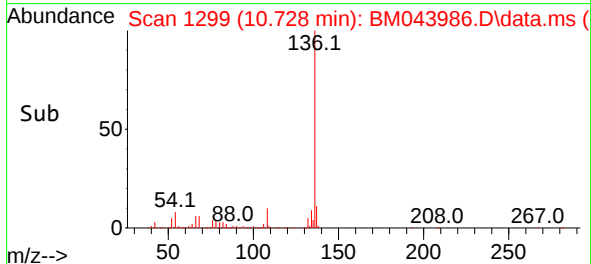
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:136 Resp: 113618
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.9 6.5 9.7
68 5.8 4.7 7.1

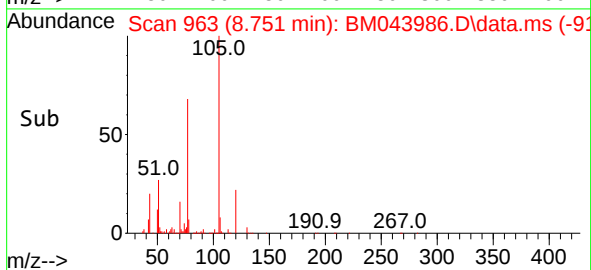
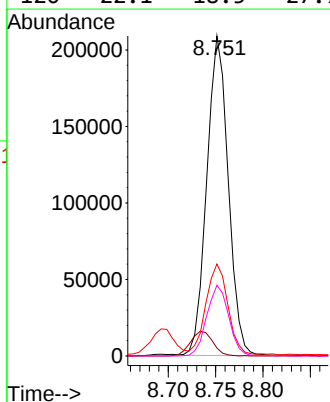
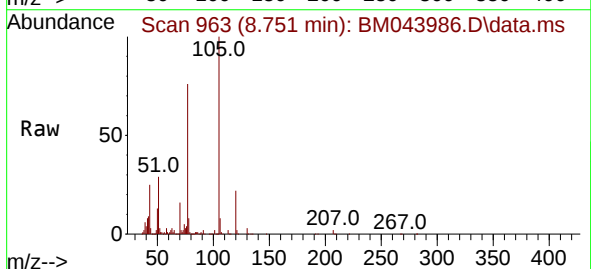
Manual Integrations
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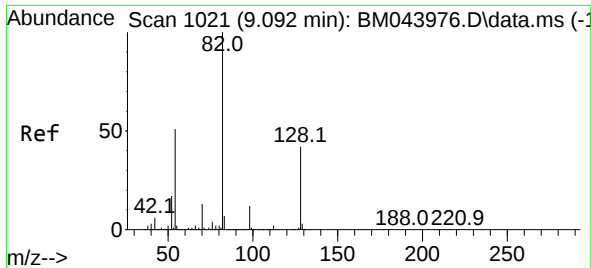
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#22
Acetophenone
Concen: 10.679 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:105 Resp: 328758
Ion Ratio Lower Upper
105 100
71 2.5 1.6 2.4#
51 28.8 21.8 32.6
120 22.1 18.5 27.7





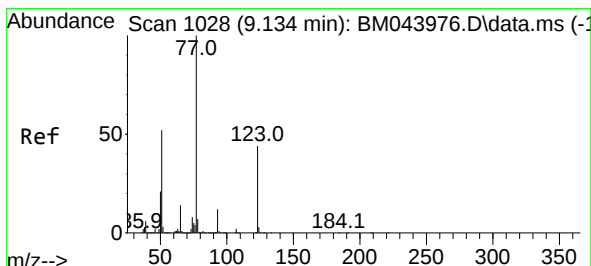
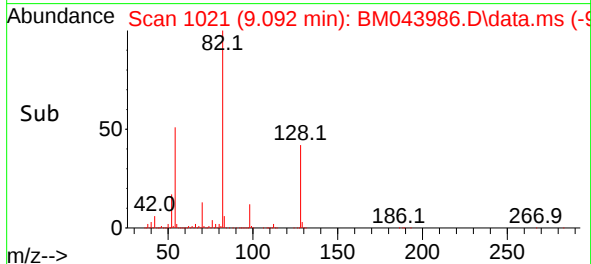
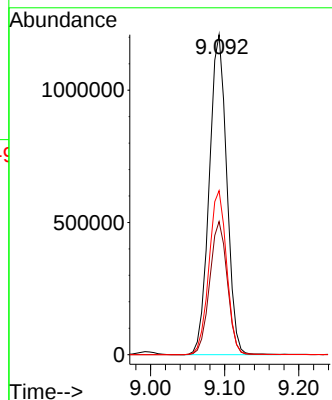
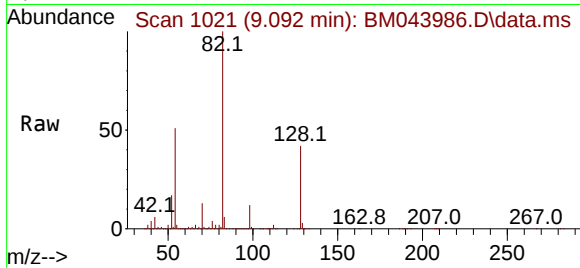
#23
Nitrobenzene-d5
Concen: 84.126 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion: 82 Resp: 1982810
Ion Ratio Lower Upper
82 100
128 41.6 33.9 50.9
54 51.2 41.1 61.7

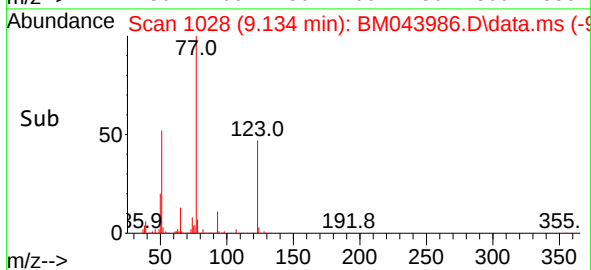
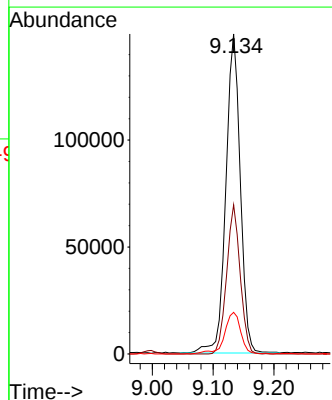
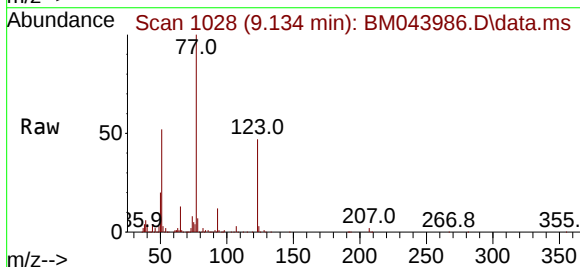
Manual Integrations
APPROVED

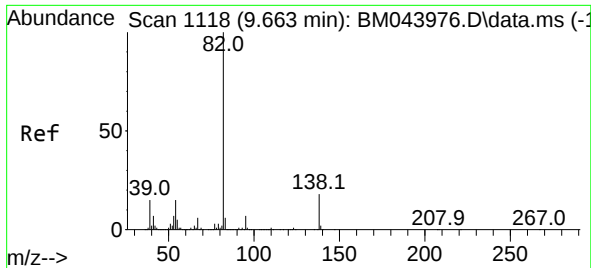
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#24
Nitrobenzene
Concen: 10.387 ng
RT: 9.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

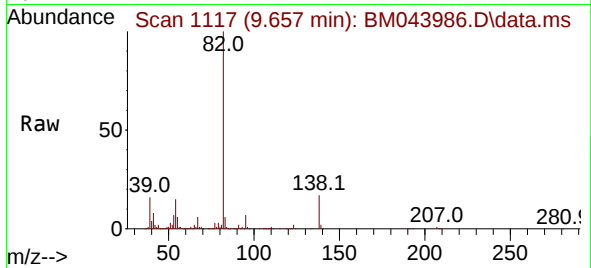
Tgt Ion: 77 Resp: 245639
Ion Ratio Lower Upper
77 100
123 46.6 35.3 52.9
65 13.0 10.9 16.3





#25
Isophorone
Concen: 9.914 ng
RT: 9.657 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

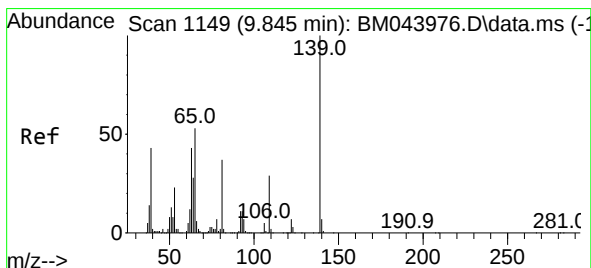
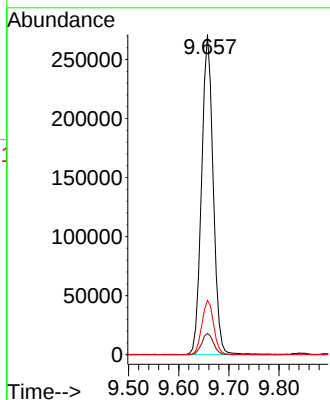
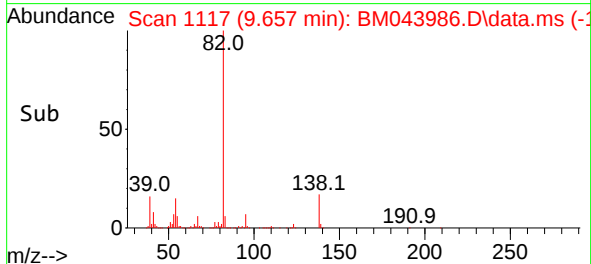
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 82 Resp: 434990
Ion Ratio Lower Upper
82 100
95 6.6 5.6 8.4
138 17.0 14.2 21.2

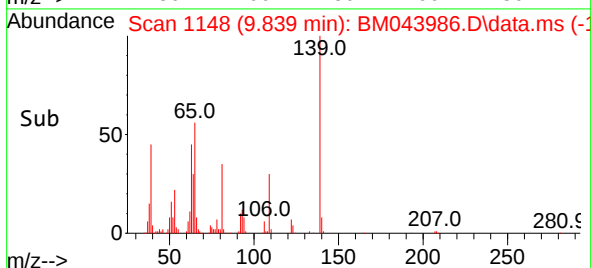
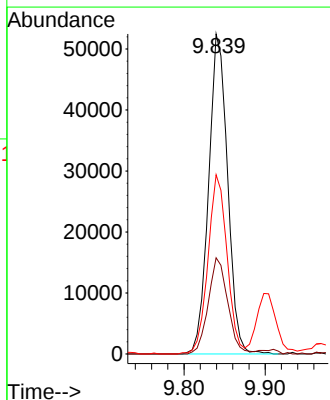
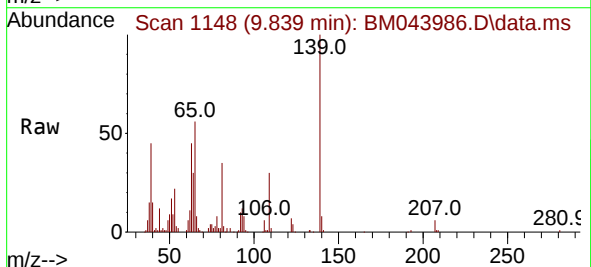
Manual Integrations
APPROVED

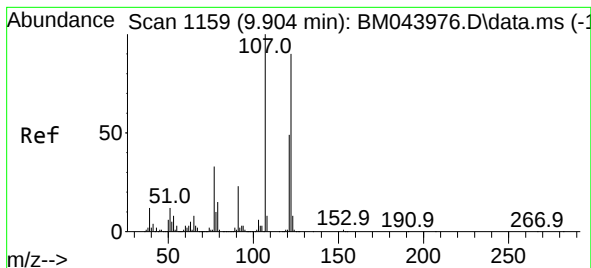
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#26
2-Nitrophenol
Concen: 8.906 ng
RT: 9.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:139 Resp: 85120
Ion Ratio Lower Upper
139 100
109 30.0 23.3 34.9
65 56.0 42.5 63.7





#27

2,4-Dimethylphenol

Concen: 10.965 ng

RT: 9.904 min Scan# 1159

Delta R.T. 0.000 min

Lab File: BM043986.D

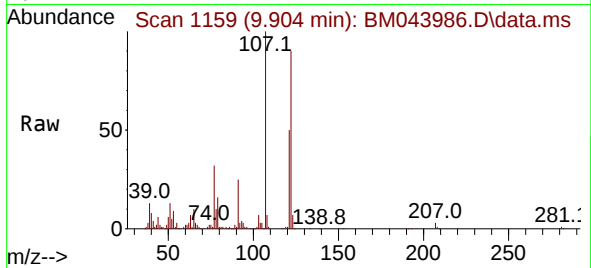
Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

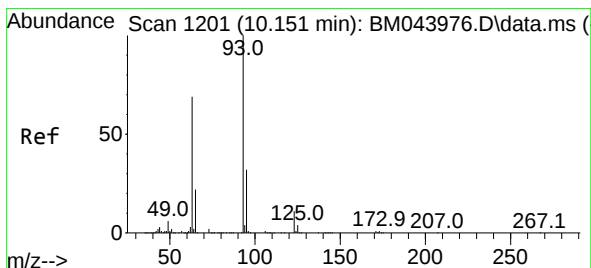
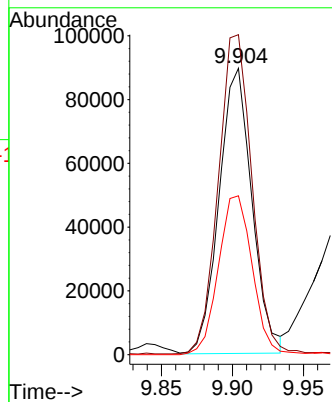
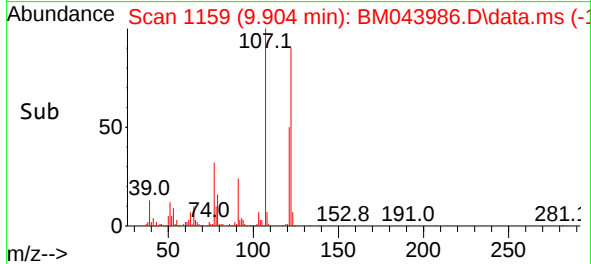


Tgt Ion:	122	Resp:	143904
Ion Ratio	Lower	Upper	
122	100		
107	111.7	89.0	133.4
121	55.5	43.4	65.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#28

bis(2-Chloroethoxy)methane

Concen: 10.381 ng

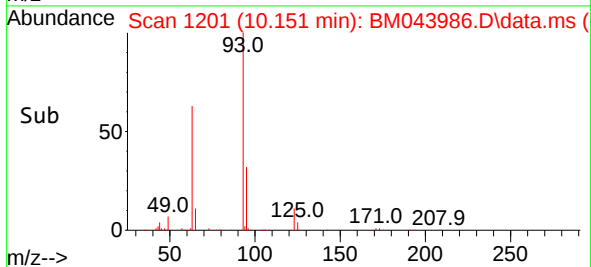
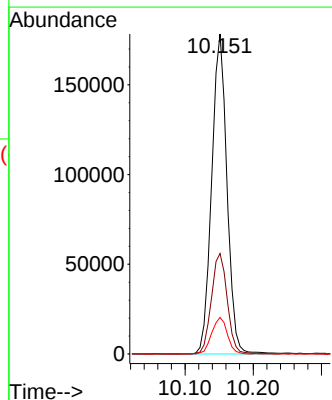
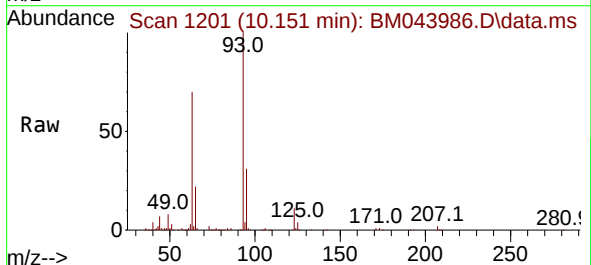
RT: 10.151 min Scan# 1201

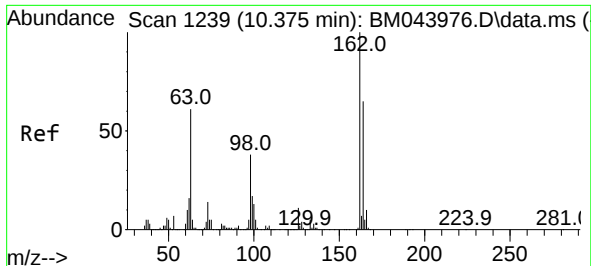
Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Tgt Ion:	93	Resp:	278162
Ion Ratio	Lower	Upper	
93	100		
95	31.4	25.9	38.9
123	11.4	9.1	13.7





#29

2,4-Dichlorophenol

Concen: 9.550 ng

RT: 10.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BM043986.D

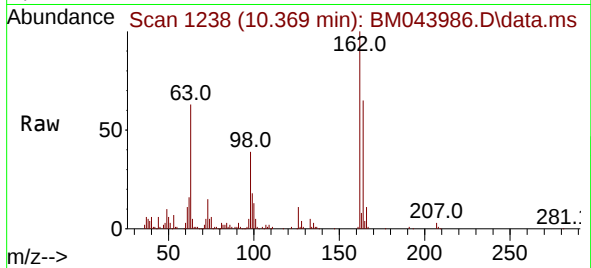
Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

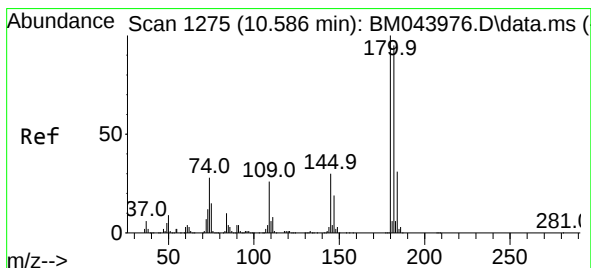
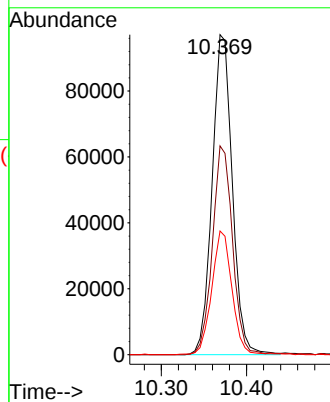
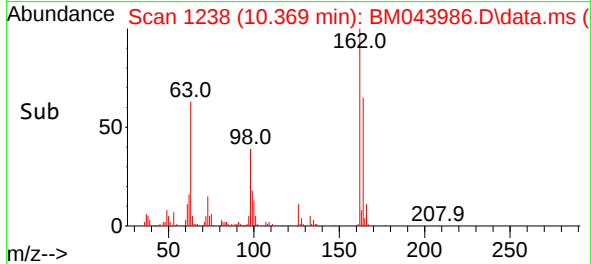


Tgt Ion:	162	Resp:	15985
Ion Ratio	Lower	Upper	
162	100		
164	65.3	45.1	85.1
98	38.6	17.8	57.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#30

1,2,4-Trichlorobenzene

Concen: 10.126 ng

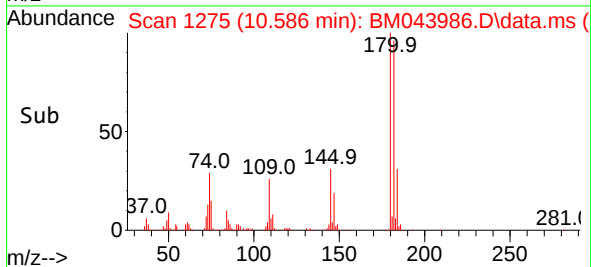
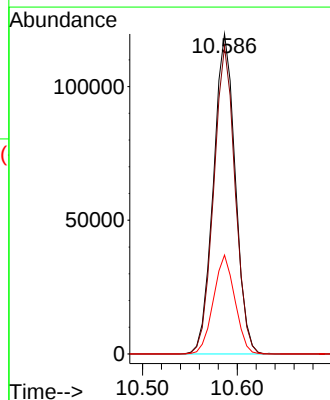
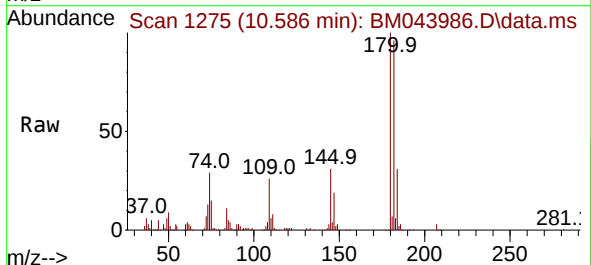
RT: 10.586 min Scan# 1275

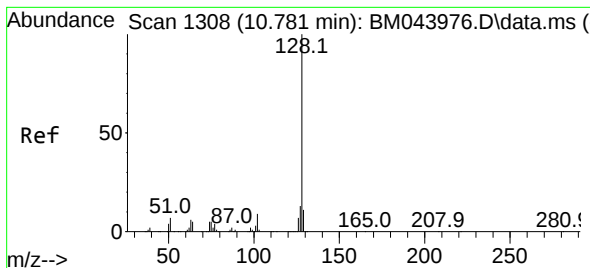
Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

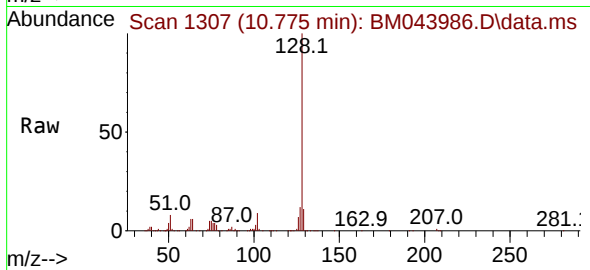
Tgt Ion:	180	Resp:	191441
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.0	114.0
145	30.9	24.2	36.2





#31
Naphthalene
Concen: 10.185 ng
RT: 10.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

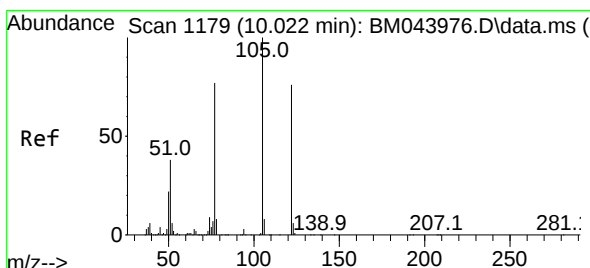
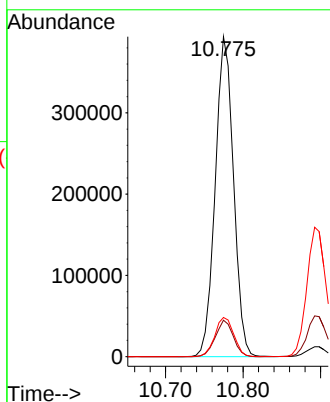
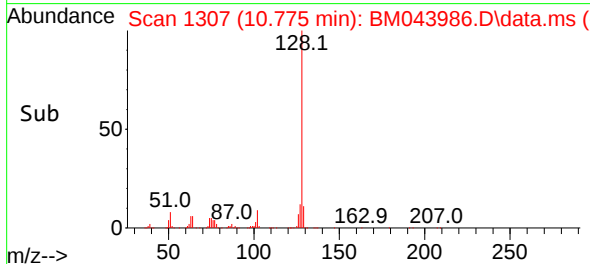
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:128 Resp: 645000
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 12.3 10.1 15.1

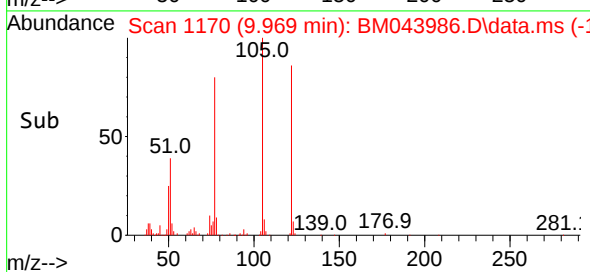
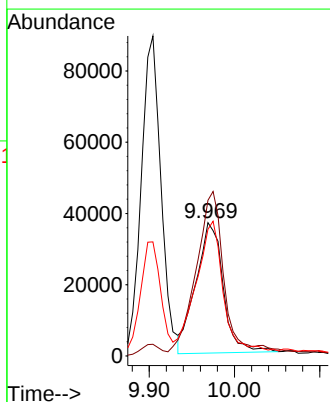
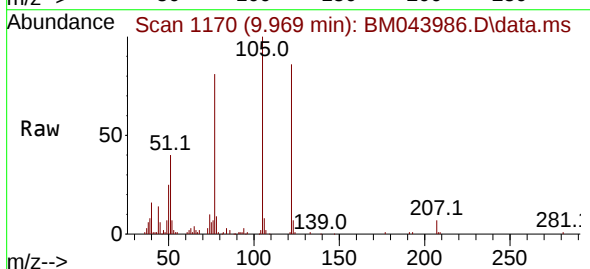
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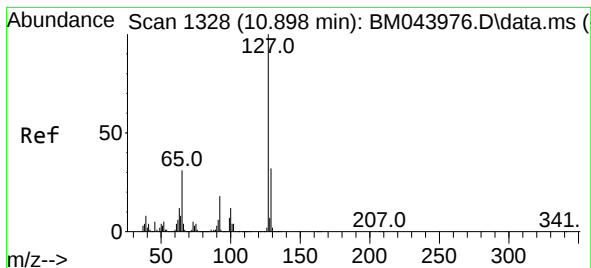
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#32
Benzoic acid
Concen: 11.551 ng
RT: 9.969 min Scan# 1170
Delta R.T. -0.053 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

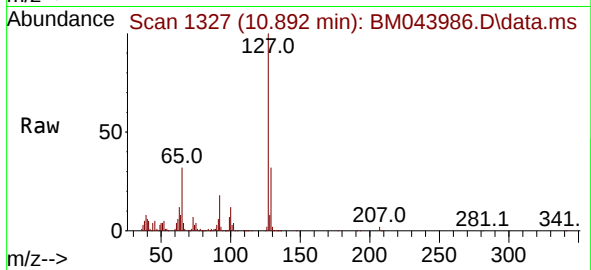
Tgt Ion:122 Resp: 81725
Ion Ratio Lower Upper
122 100
105 116.8 109.4 149.4
77 95.1 80.5 120.5





#33
4-Chloroaniline
Concen: 10.646 ng
RT: 10.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

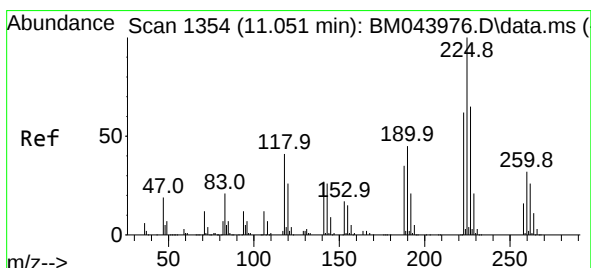
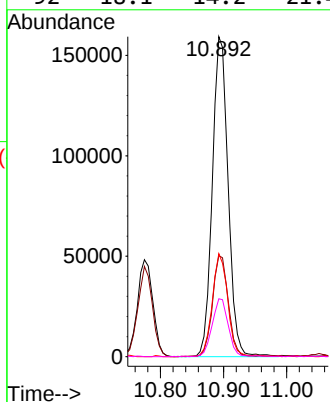
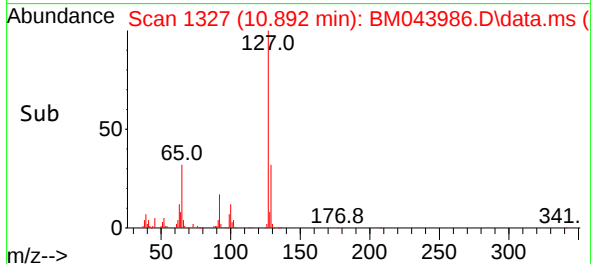
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2023



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.6	38.4
65	32.2	24.5	36.7
92	18.1	14.2	21.4

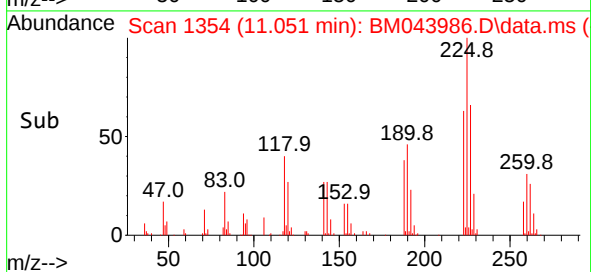
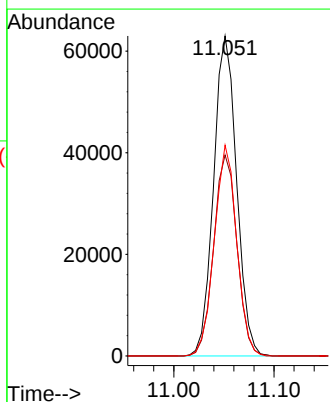
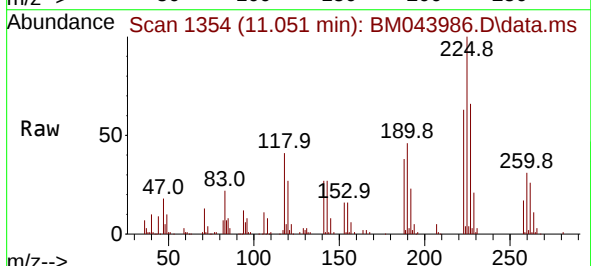
Manual Integrations
APPROVED

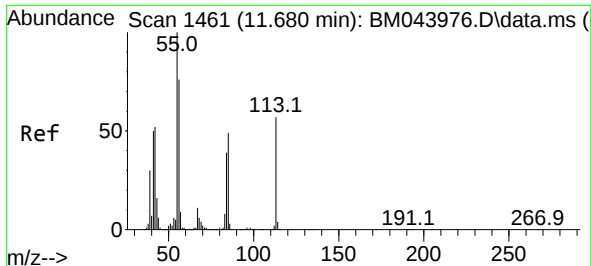
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#34
Hexachlorobutadiene
Concen: 9.738 ng
RT: 11.051 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

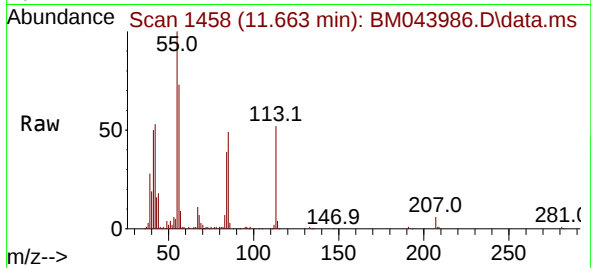
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.8
227	65.8	51.7	77.5





#35
Caprolactam
Concen: 8.596 ng
RT: 11.663 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

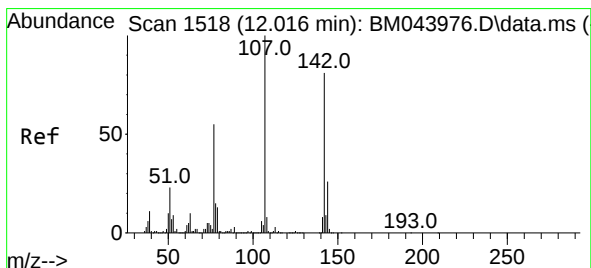
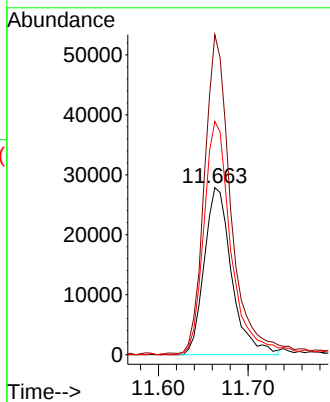
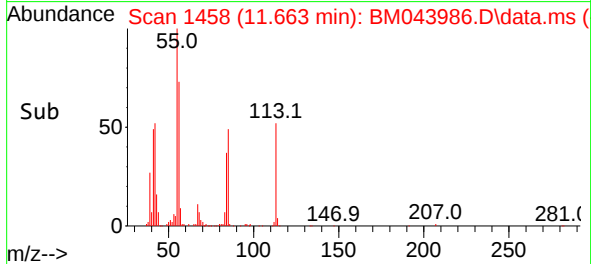
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2023



Tgt Ion:113 Resp: 59000
Ion Ratio Lower Upper
113 100
55 191.5 154.3 194.3
56 139.6 112.2 152.2

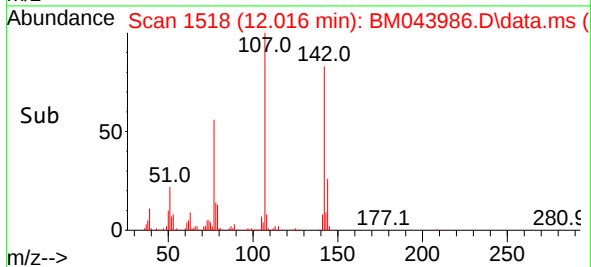
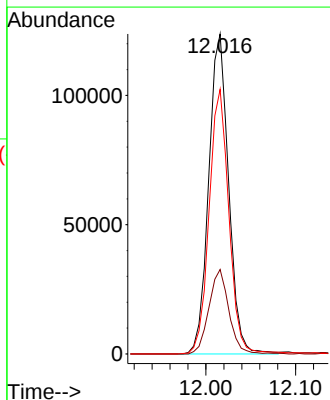
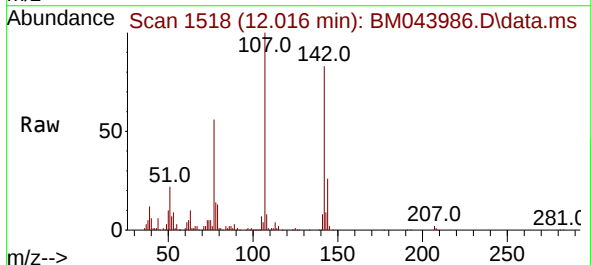
Manual Integrations
APPROVED

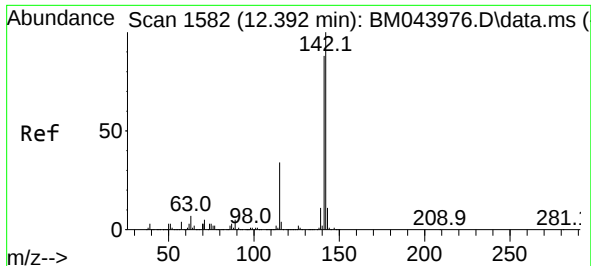
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#36
4-Chloro-3-methylphenol
Concen: 9.296 ng
RT: 12.016 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

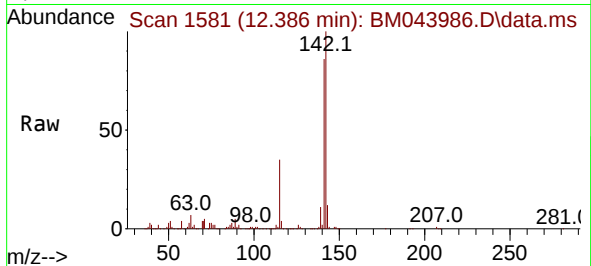
Tgt Ion:107 Resp: 190546
Ion Ratio Lower Upper
107 100
144 26.4 21.1 31.7
142 82.7 65.0 97.4





#37
2-Methylnaphthalene
Concen: 9.872 ng
RT: 12.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

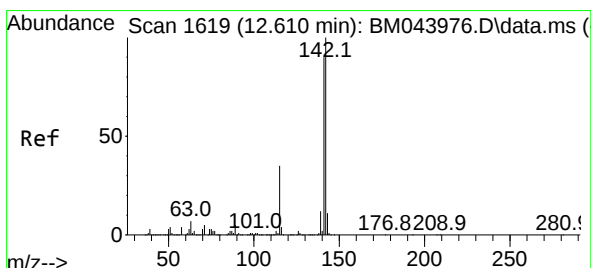
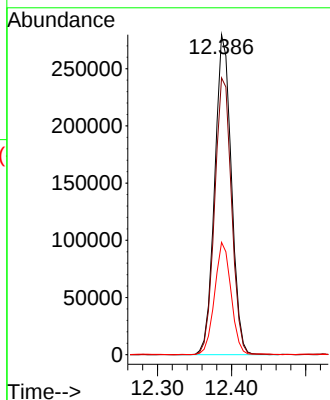
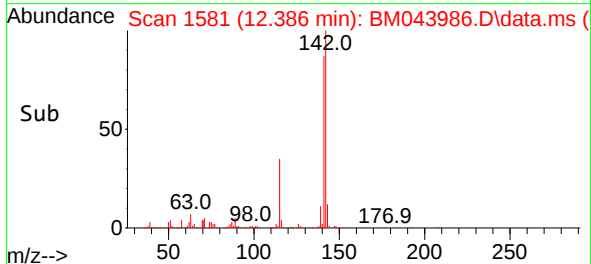
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



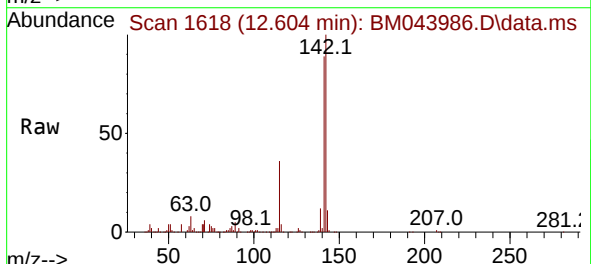
Tgt Ion:142 Resp: 436000
Ion Ratio Lower Upper
142 100
141 86.5 70.2 105.2
115 35.1 27.2 40.8

Manual Integrations
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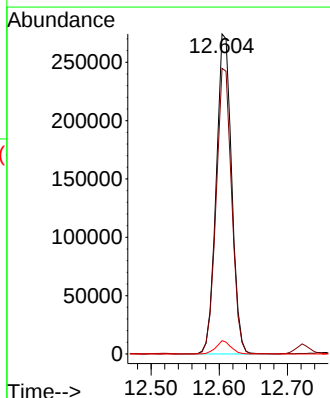
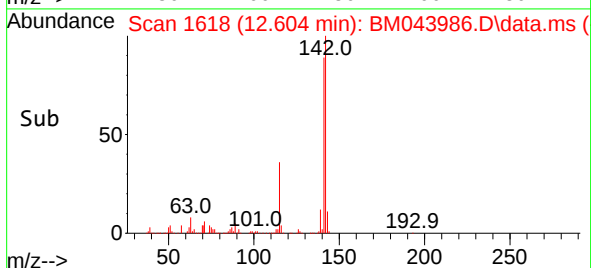
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

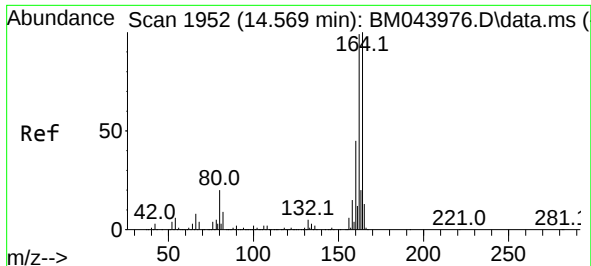


#38
1-Methylnaphthalene
Concen: 9.804 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



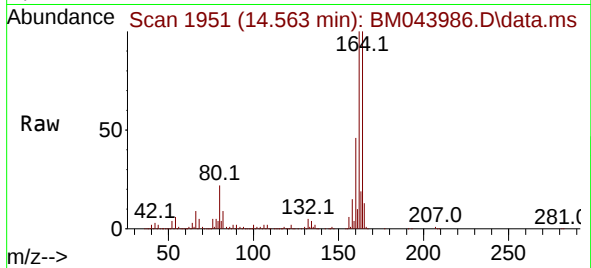
Tgt Ion:142 Resp: 432248
Ion Ratio Lower Upper
142 100
141 89.3 72.1 108.1
116 4.1 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

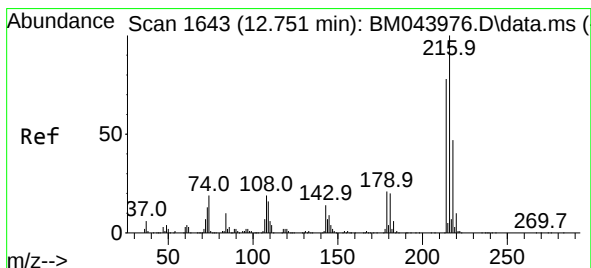
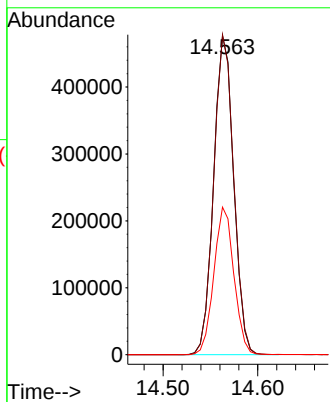
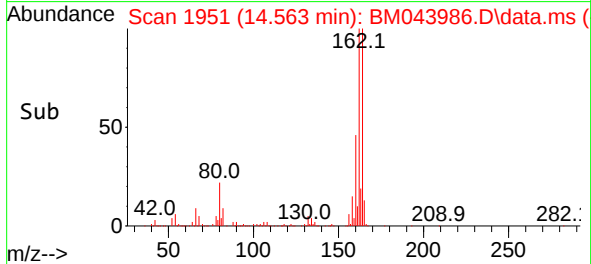
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



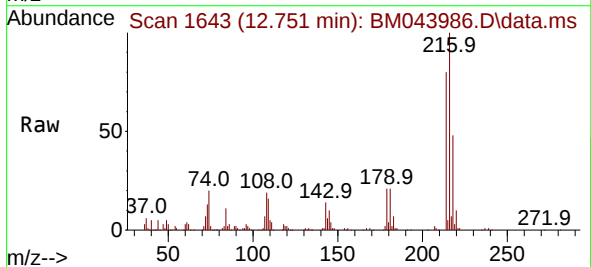
Tgt Ion:164 Resp: 70134
Ion Ratio Lower Upper
164 100
162 100.3 79.0 118.4
160 46.2 35.8 53.8

Manual Integrations
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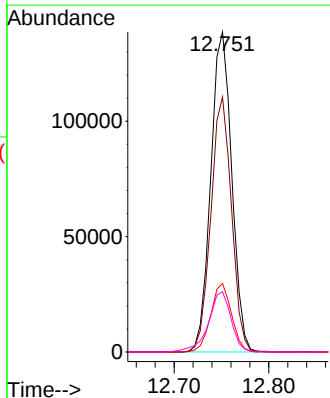
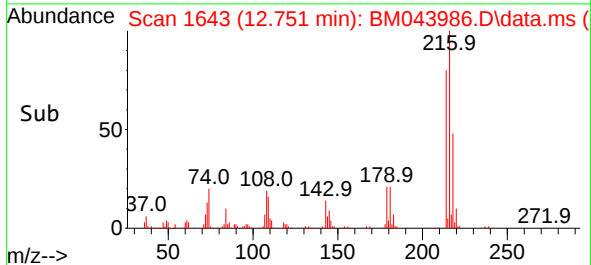
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

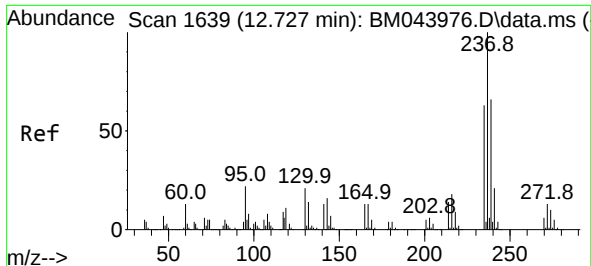


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.736 ng
RT: 12.751 min Scan# 1643
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



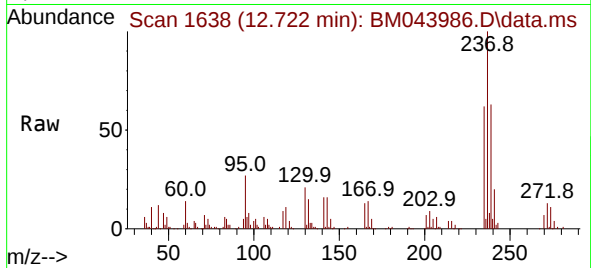
Tgt Ion:216 Resp: 213558
Ion Ratio Lower Upper
216 100
214 78.0 62.6 94.0
179 21.1 16.7 25.1
108 20.2 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 12.777 ng
RT: 12.722 min Scan# 1638
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

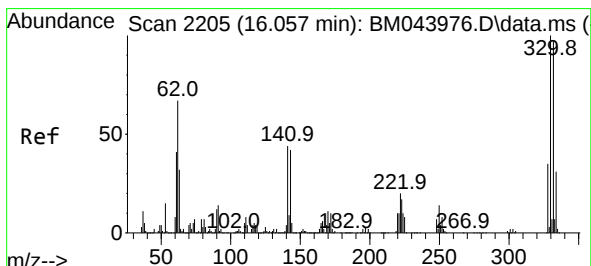
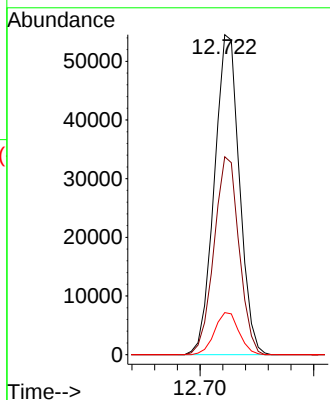
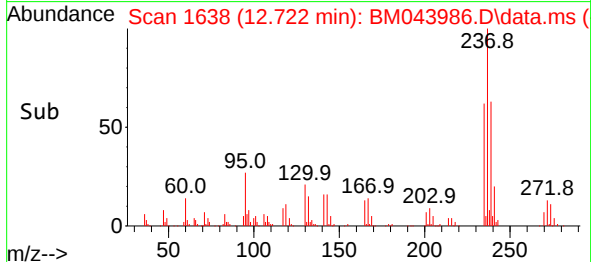
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:237 Resp: 83592
Ion Ratio Lower Upper
237 100
235 61.9 43.5 83.5
272 13.2 0.0 33.2

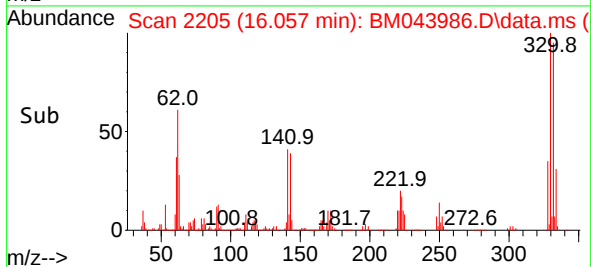
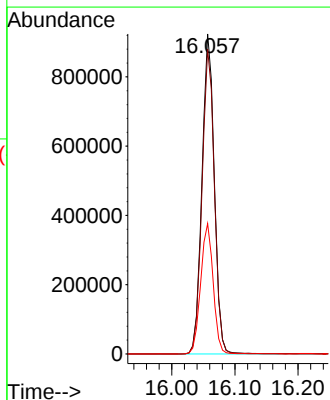
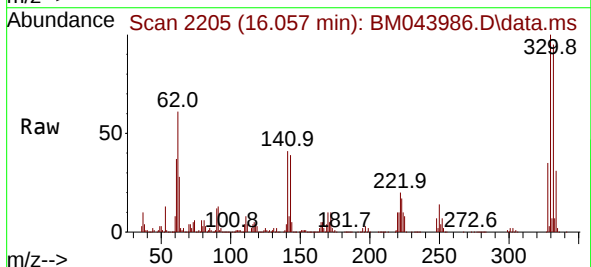
Manual Integrations
APPROVED

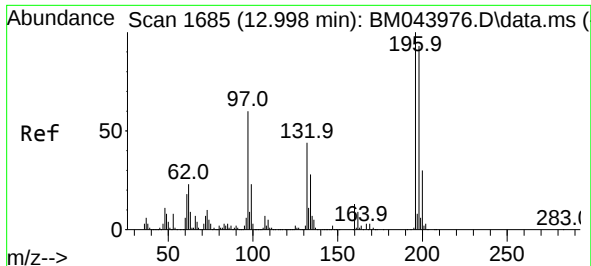
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#42
2,4,6-Tribromophenol
Concen: 146.718 ng
RT: 16.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

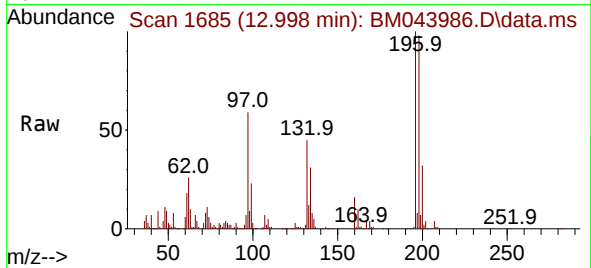
Tgt Ion:330 Resp: 1254341
Ion Ratio Lower Upper
330 100
332 95.6 77.6 116.4
141 41.2 33.5 50.3





#43
2,4,6-Trichlorophenol
Concen: 9.307 ng
RT: 12.998 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

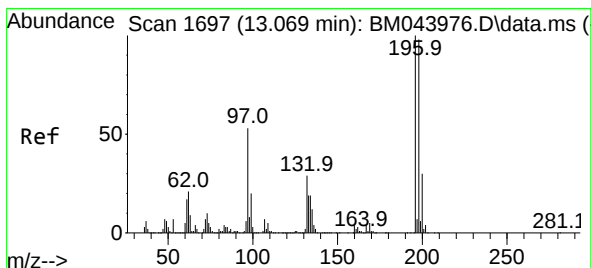
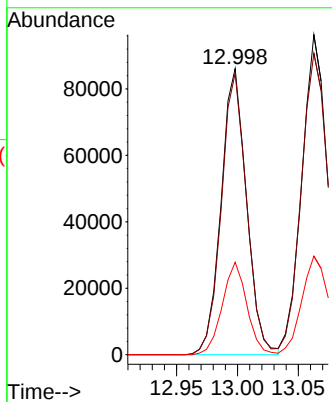
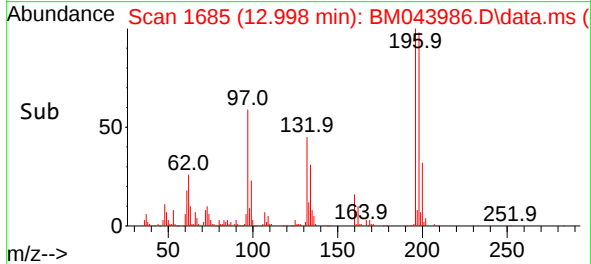
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:196 Resp: 12511
Ion Ratio Lower Upper
196 100
198 98.3 74.2 111.2
200 32.3 23.8 35.8

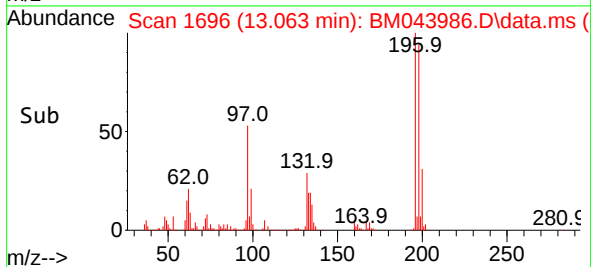
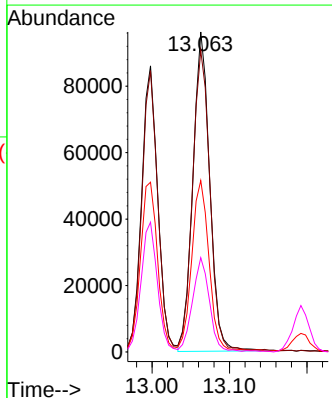
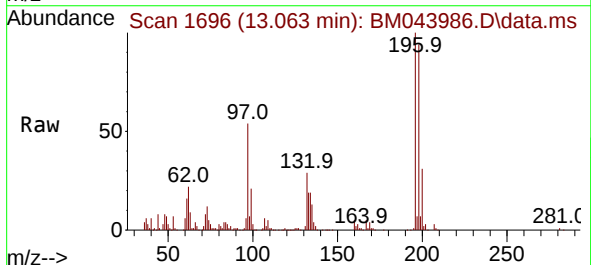
Manual Integrations
APPROVED

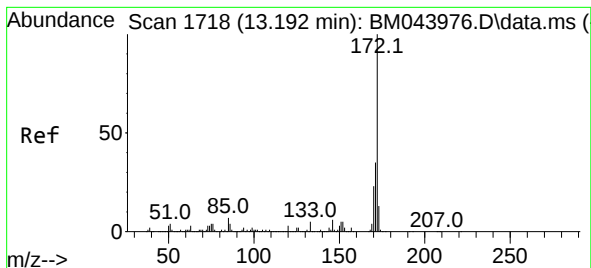
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#44
2,4,5-Trichlorophenol
Concen: 9.481 ng
RT: 13.063 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

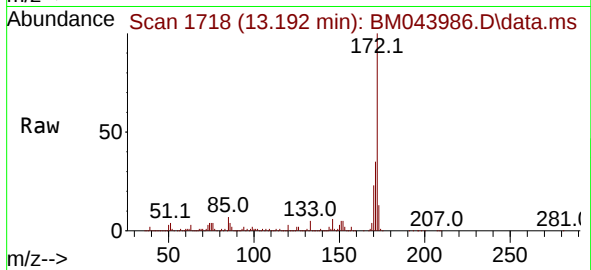
Tgt Ion:196 Resp: 145401
Ion Ratio Lower Upper
196 100
198 94.2 78.1 117.1
97 53.6 42.2 63.2
132 29.4 23.2 34.8





#45
2-Fluorobiphenyl
Concen: 85.611 ng
RT: 13.192 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

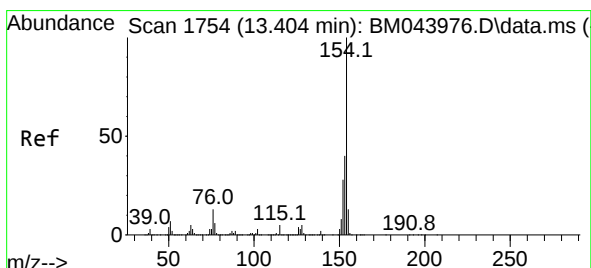
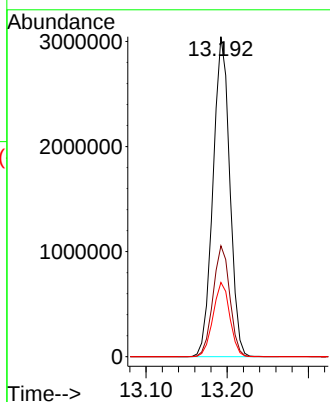
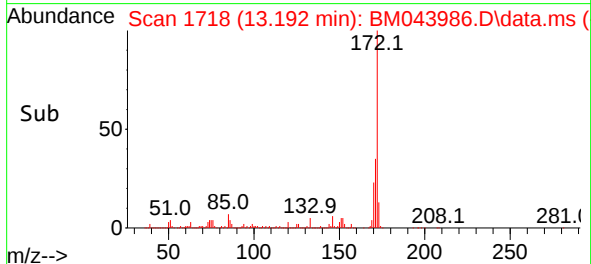
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



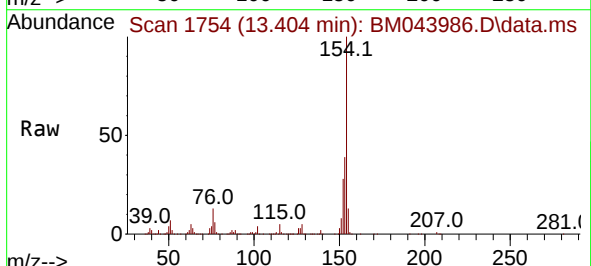
Tgt Ion:172 Resp: 4369694
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.2 18.6 28.0

Manual Integrations
APPROVED

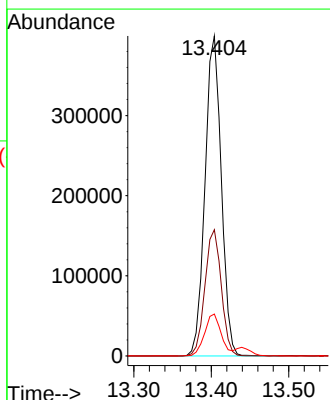
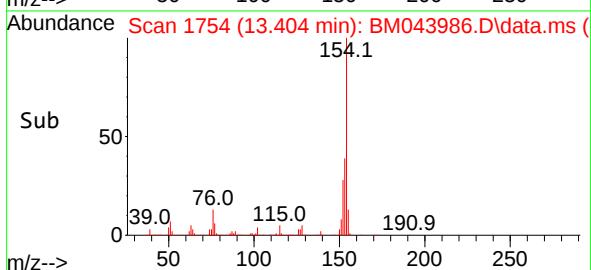
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

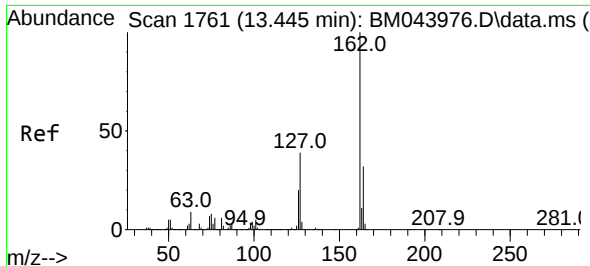


#46
1,1'-Biphenyl
Concen: 10.555 ng
RT: 13.404 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



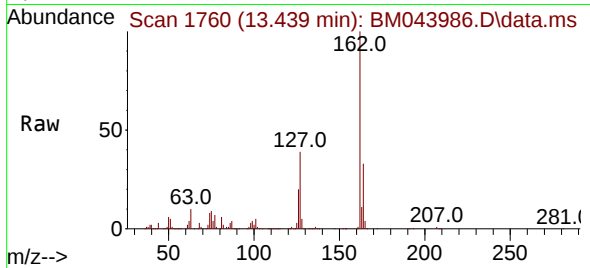
Tgt Ion:154 Resp: 582131
Ion Ratio Lower Upper
154 100
153 39.5 19.8 59.8
76 13.1 0.0 33.0





#47
2-Chloronaphthalene
Concen: 10.191 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

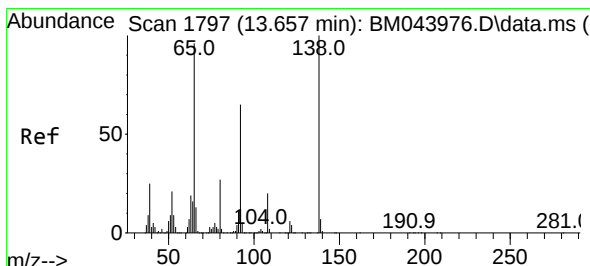
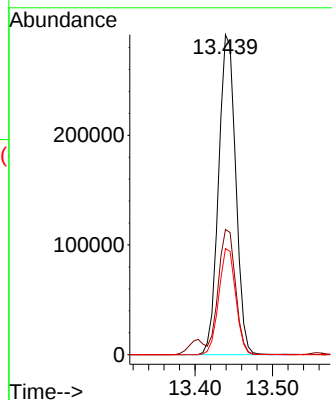
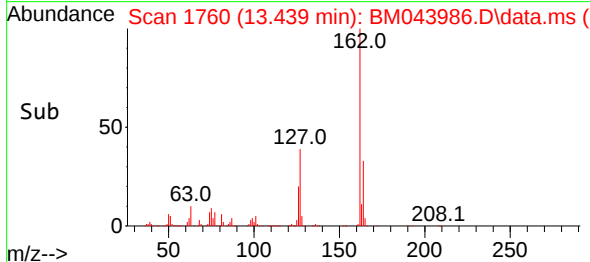
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:162 Resp: 44824
Ion Ratio Lower Upper
162 100
127 39.2 31.0 46.6
164 33.1 25.8 38.6

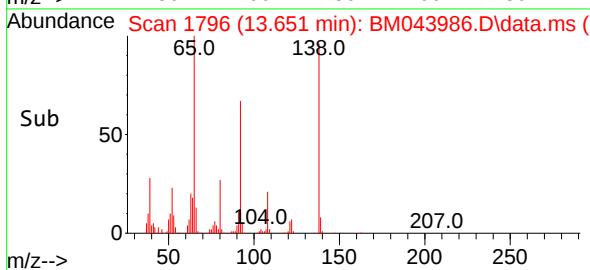
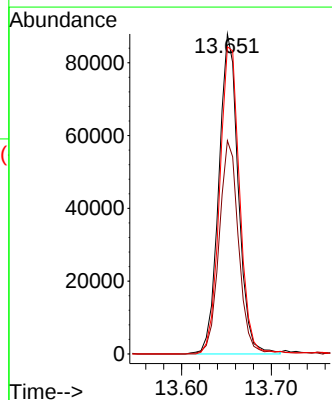
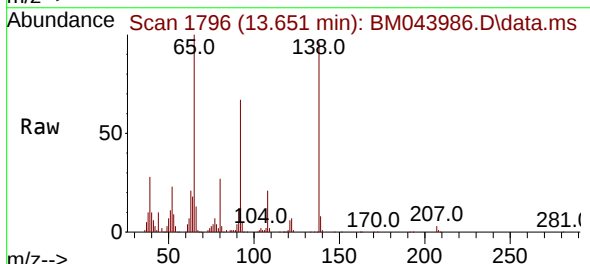
Manual Integrations
APPROVED

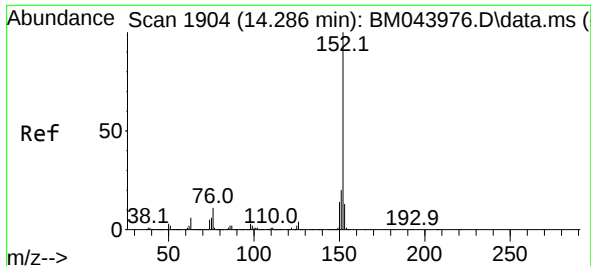
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#48
2-Nitroaniline
Concen: 9.279 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

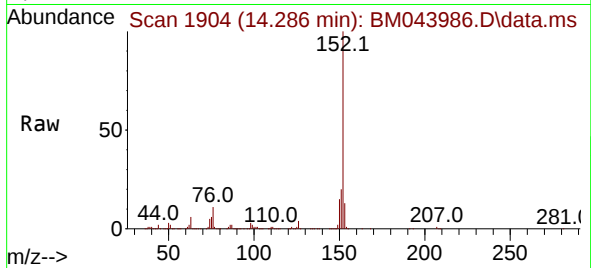
Tgt Ion: 65 Resp: 132742
Ion Ratio Lower Upper
65 100
92 66.6 53.6 80.4
138 96.0 83.0 124.6





#49
Acenaphthylene
Concen: 11.013 ng
RT: 14.286 min Scan# 1904
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

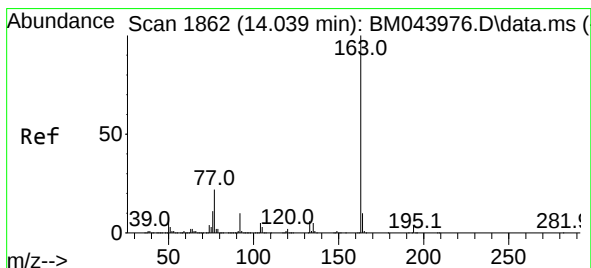
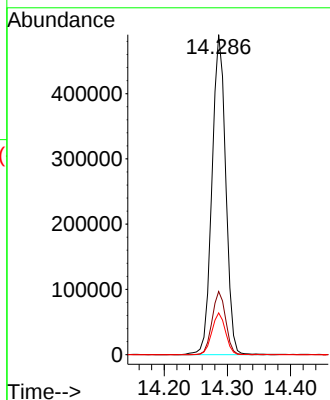
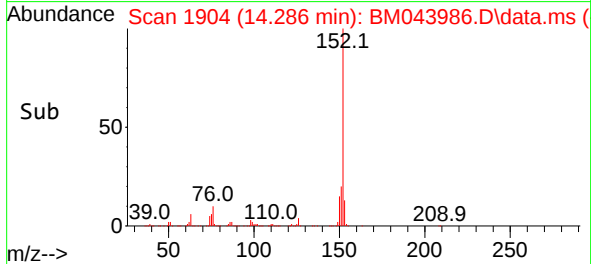
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



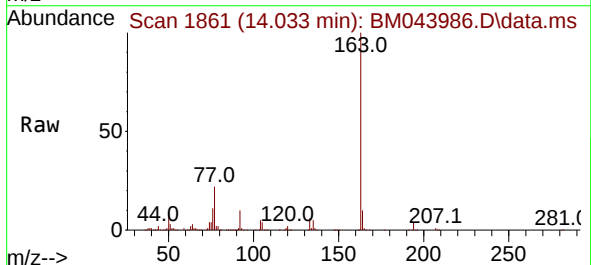
Tgt Ion:152 Resp: 740450
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.0 10.4 15.6

Manual Integrations
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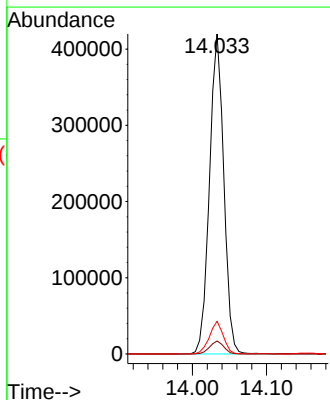
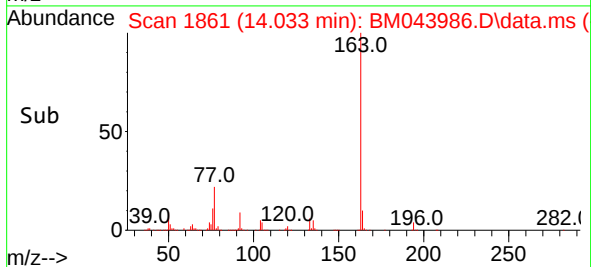
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

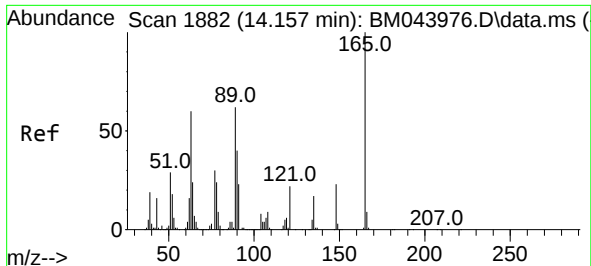


#50
Dimethylphthalate
Concen: 10.323 ng
RT: 14.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



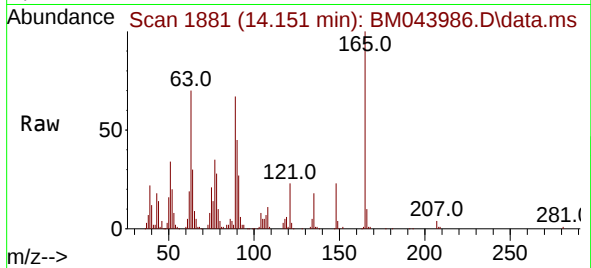
Tgt Ion:163 Resp: 562394
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 9.216 ng
RT: 14.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

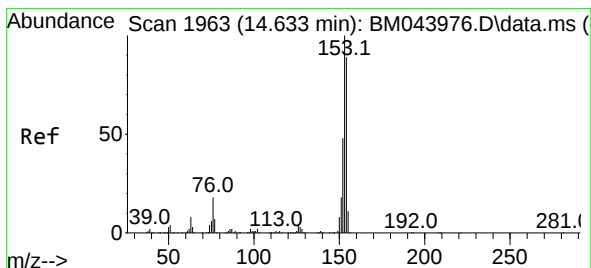
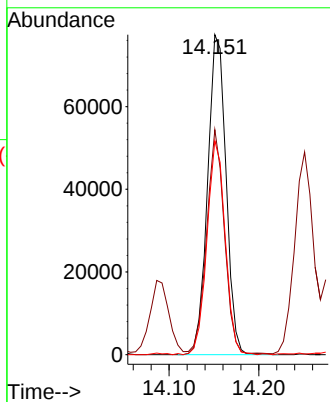
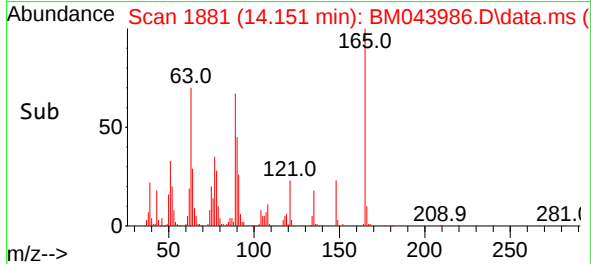
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:165 Resp: 110365
Ion Ratio Lower Upper
165 100
63 70.3 51.1 76.7
89 66.9 49.5 74.3

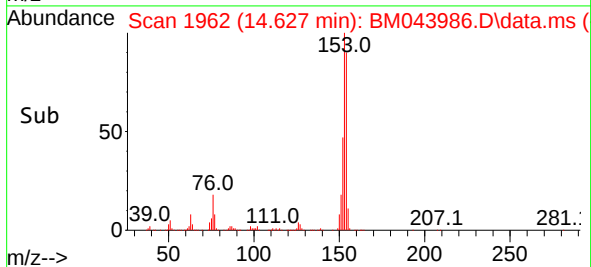
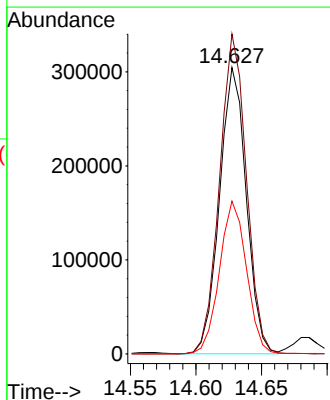
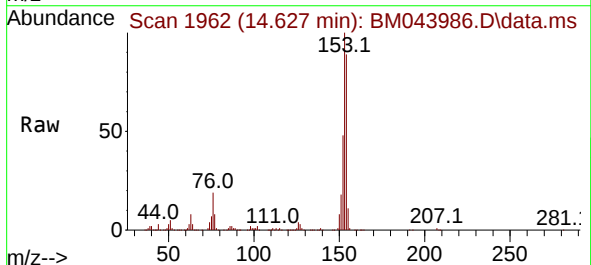
Manual Integrations
APPROVED

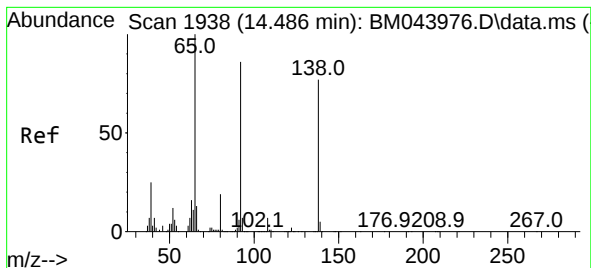
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#52
Acenaphthene
Concen: 10.137 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

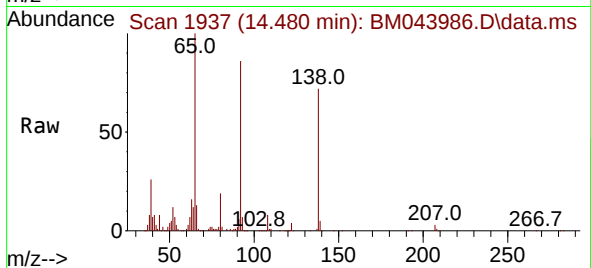
Tgt Ion:154 Resp: 432057
Ion Ratio Lower Upper
154 100
153 111.7 90.1 135.1
152 53.4 43.6 65.4





#53
3-Nitroaniline
Concen: 9.406 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

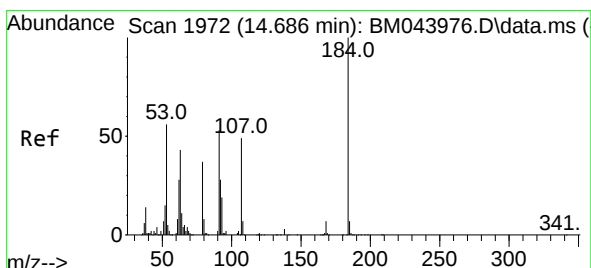
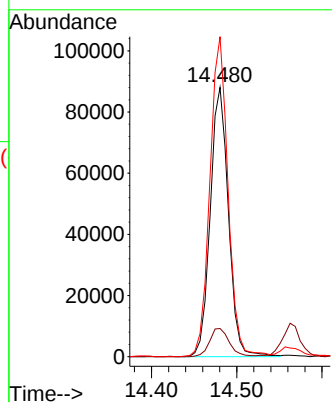
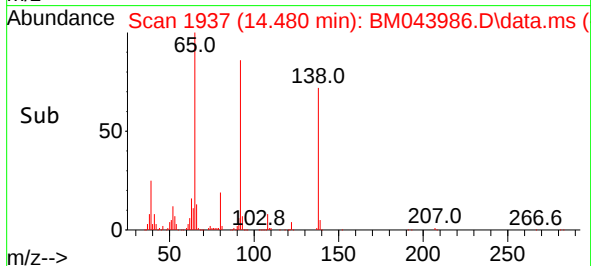
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2023



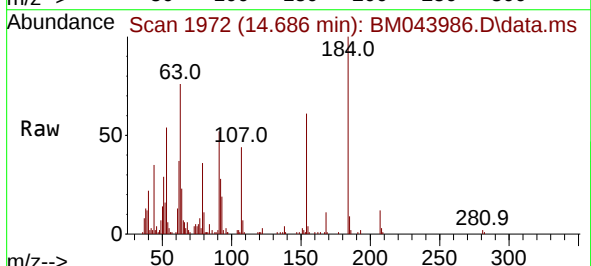
Tgt Ion:138 Resp: 130762
Ion Ratio Lower Upper
138 100
108 10.4 7.8 11.6
92 118.8 89.7 134.5

Manual Integrations
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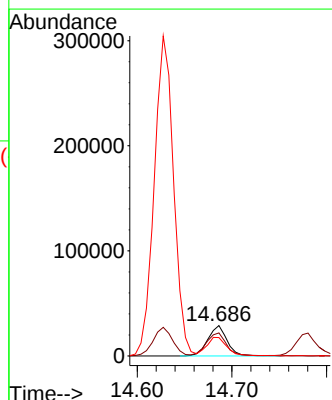
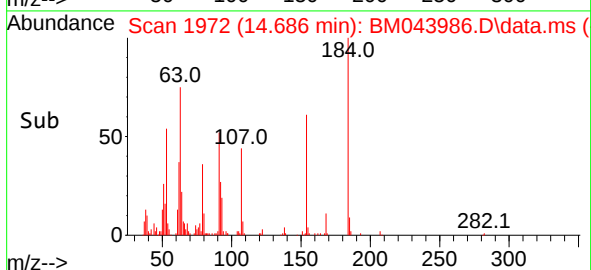
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

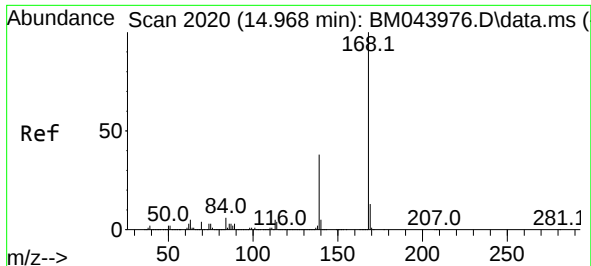


#54
2,4-Dinitrophenol
Concen: 12.369 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



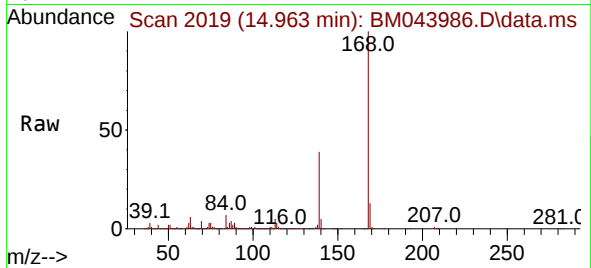
Tgt Ion:184 Resp: 40489
Ion Ratio Lower Upper
184 100
63 75.9 62.8 94.2
154 60.6 51.4 77.2





#55
Dibenzenofuran
Concen: 10.558 ng
RT: 14.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

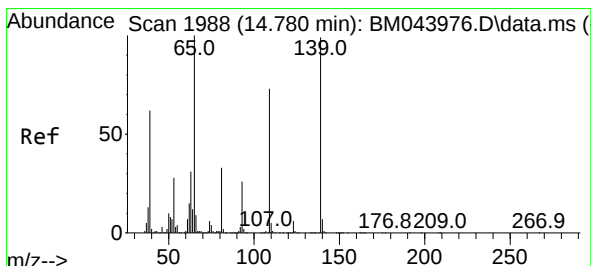
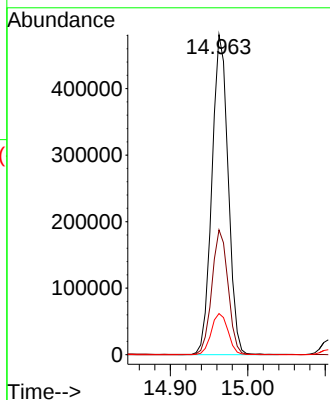
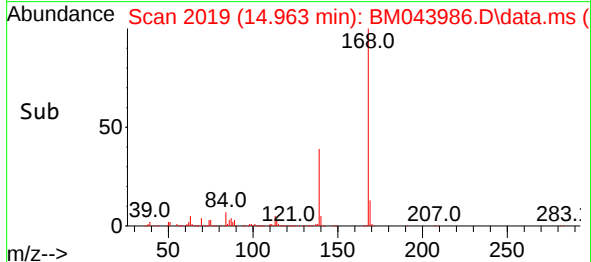
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:168 Resp: 70032
Ion Ratio Lower Upper
168 100
139 39.0 30.7 46.1
169 12.8 10.5 15.7

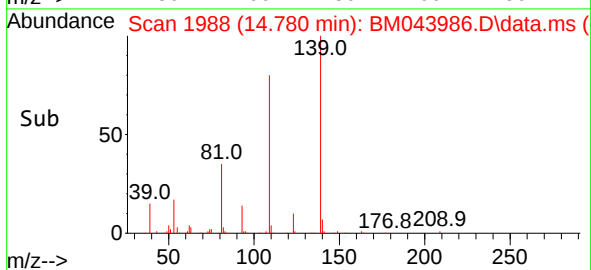
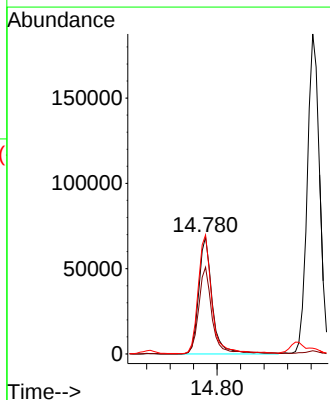
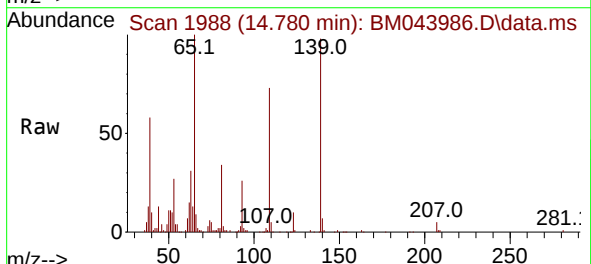
Manual Integrations
APPROVED

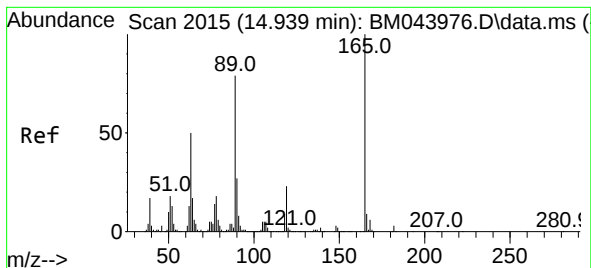
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#56
4-Nitrophenol
Concen: 9.047 ng
RT: 14.780 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

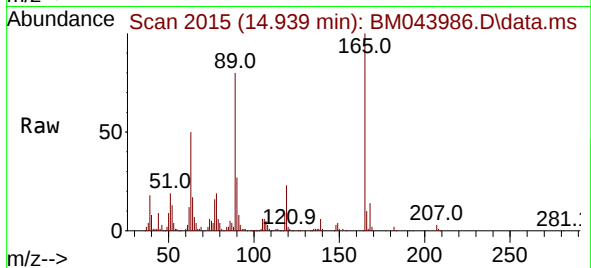
Tgt Ion:139 Resp: 109908
Ion Ratio Lower Upper
139 100
109 74.1 53.2 93.2
65 101.7 80.7 120.7





#57
2,4-Dinitrotoluene
Concen: 8.788 ng
RT: 14.939 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

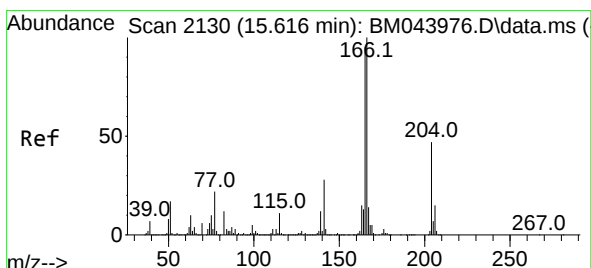
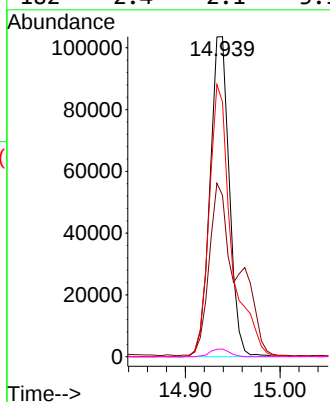
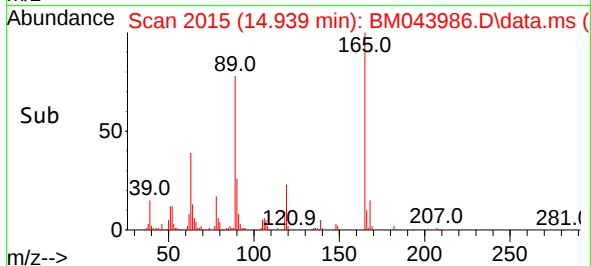
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:165 Resp: 14648
Ion Ratio Lower Upper
165 100
63 50.4 40.2 60.4
89 79.5 63.3 94.9
182 2.4 2.1 3.1

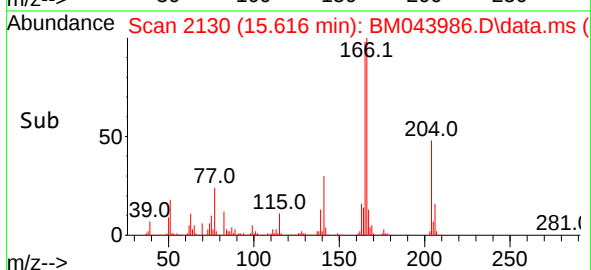
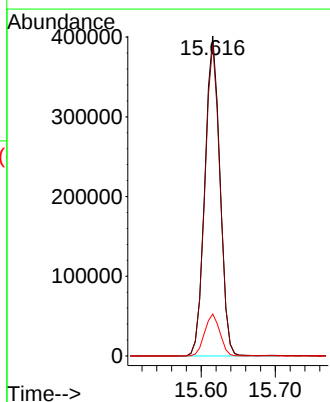
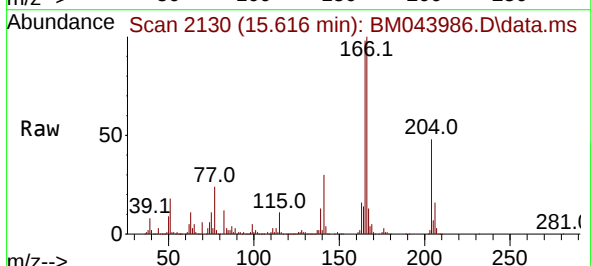
Manual Integrations
APPROVED

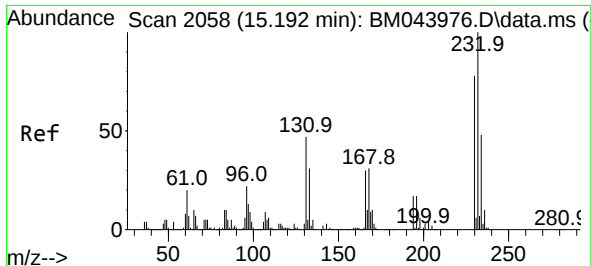
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#58
Fluorene
Concen: 10.110 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:166 Resp: 566303
Ion Ratio Lower Upper
166 100
165 97.5 76.3 114.5
167 13.1 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.060 ng

RT: 15.186 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BM043986.D

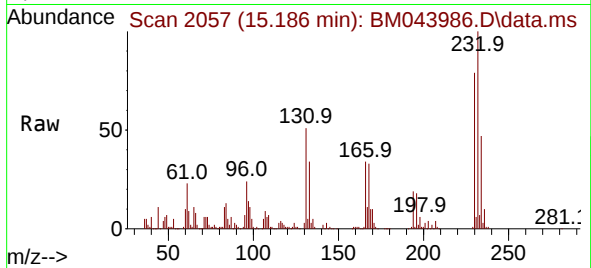
Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion:232 Resp: 133010

Ion Ratio Lower Upper

232 100

131 50.5 39.8 59.6

130 2.6 2.0 3.0

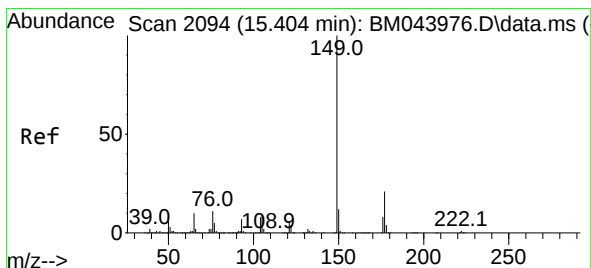
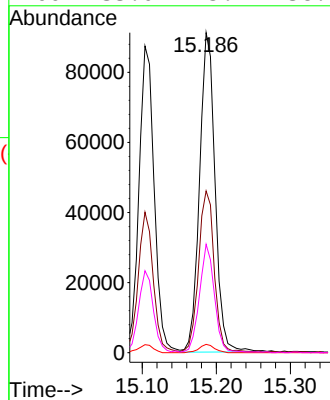
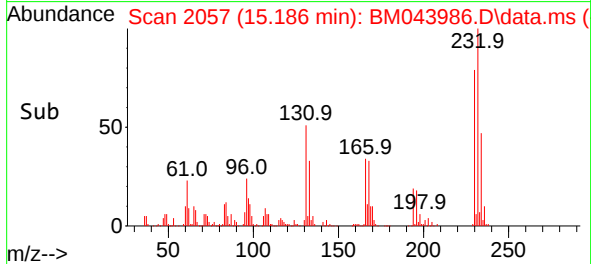
166 33.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#60

Diethylphthalate

Concen: 9.838 ng

RT: 15.398 min Scan# 2093

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

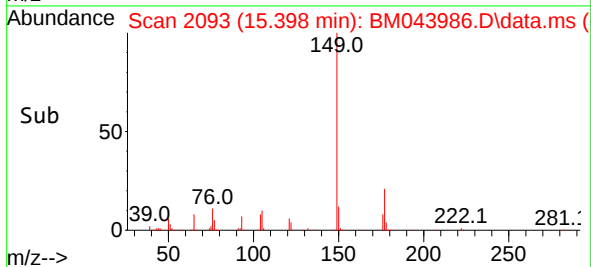
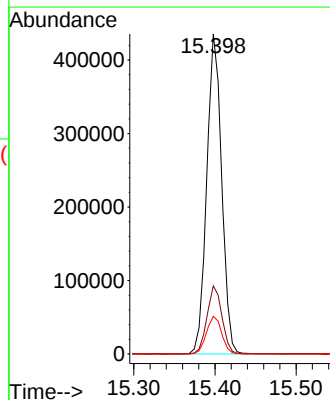
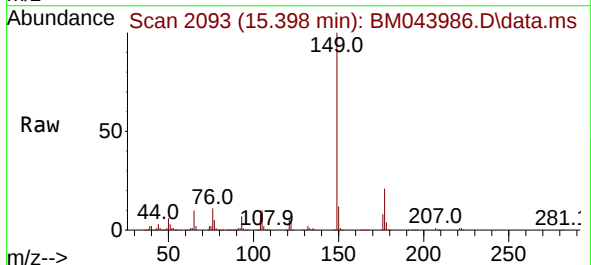
Tgt Ion:149 Resp: 554800

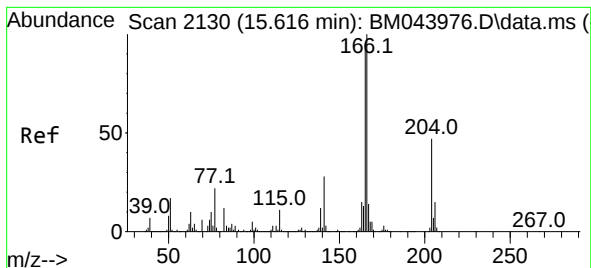
Ion Ratio Lower Upper

149 100

177 21.3 17.1 25.7

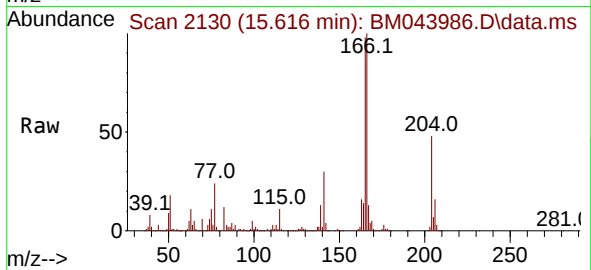
150 11.8 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 10.178 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

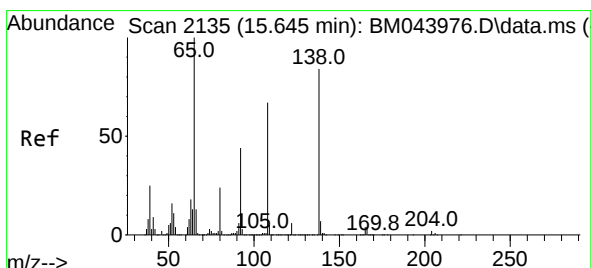
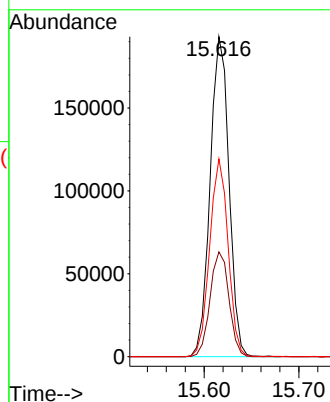
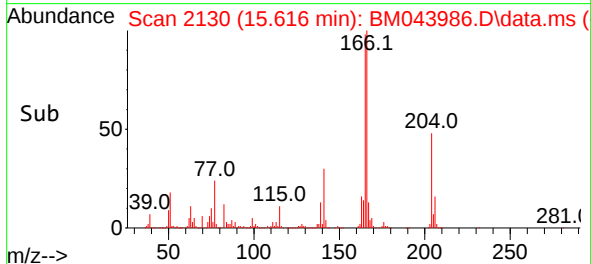
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:204 Resp: 26598
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.2
141 61.8 48.6 72.8

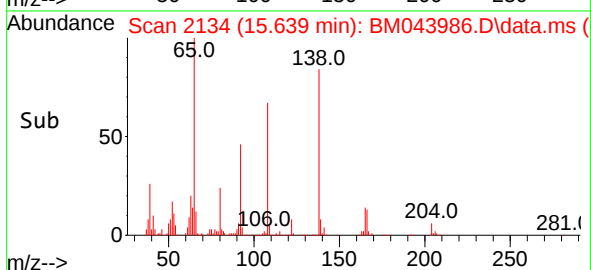
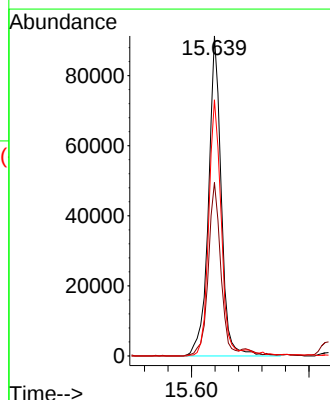
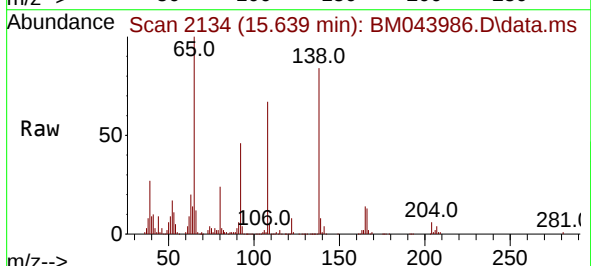
Manual Integrations
APPROVED

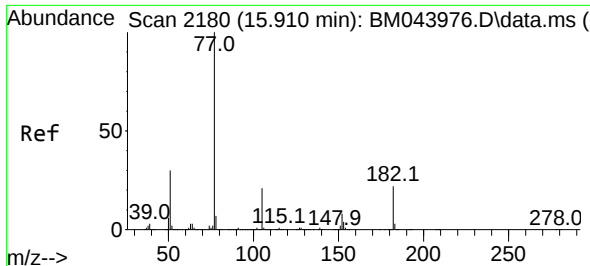
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#62
4-Nitroaniline
Concen: 9.098 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

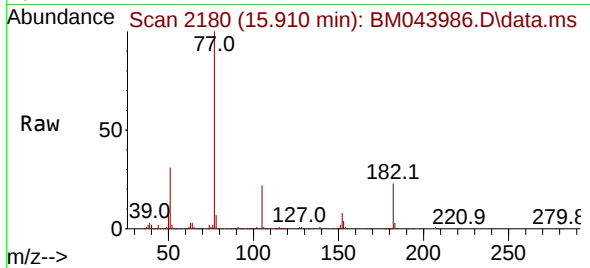
Tgt Ion:138 Resp: 138292
Ion Ratio Lower Upper
138 100
92 54.2 32.7 72.7
108 80.1 60.0 100.0





#63
Azobenzene
Concen: 10.177 ng
RT: 15.910 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

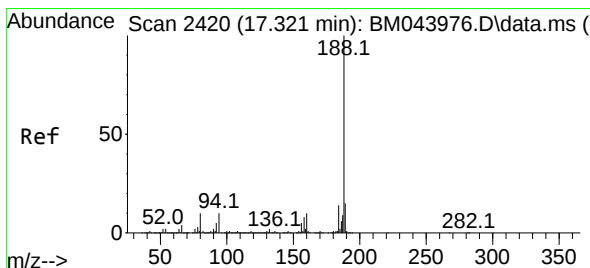
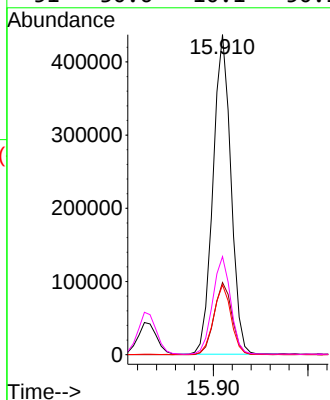
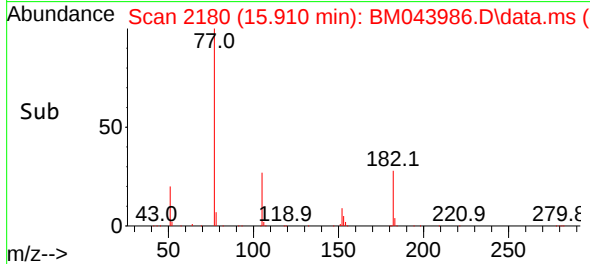
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 77 Resp: 57325
Ion Ratio Lower Upper
77 100
182 22.6 2.0 42.0
105 21.8 0.5 40.5
51 30.6 10.1 50.1

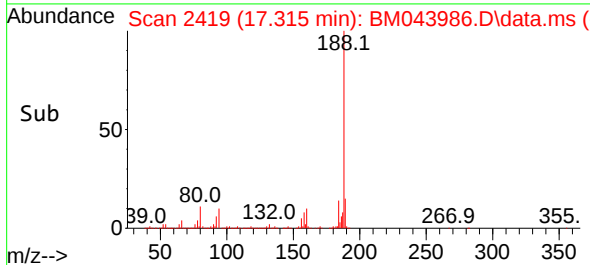
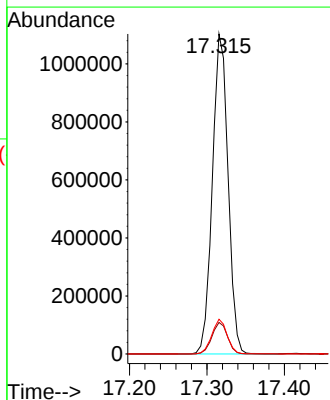
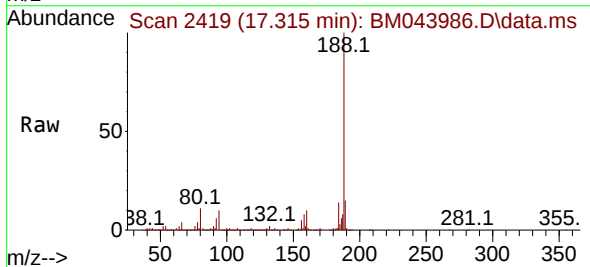
Manual Integrations
APPROVED

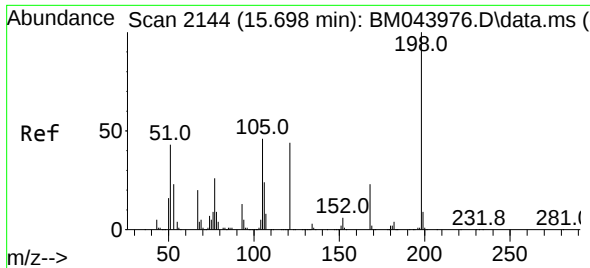
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

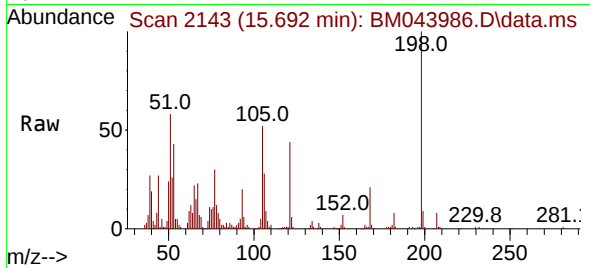
Tgt Ion:188 Resp: 1548528
Ion Ratio Lower Upper
188 100
94 9.9 7.7 11.5
80 10.8 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 11.746 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

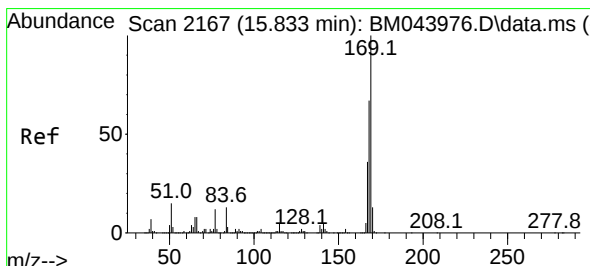
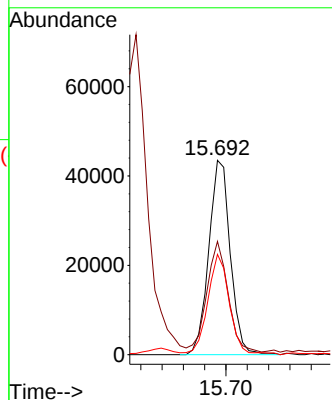
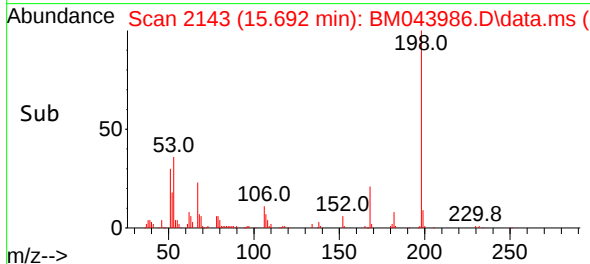
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



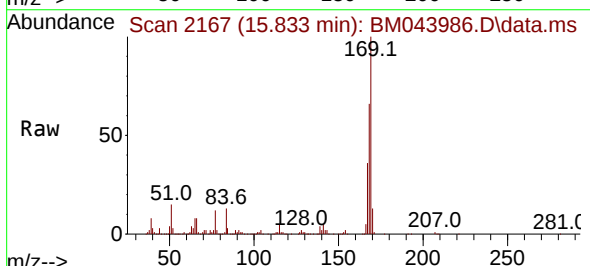
Tgt Ion:198 Resp: 60960
Ion Ratio Lower Upper
198 100
51 58.3 31.9 71.9
105 51.6 28.1 68.1

Manual Integrations
APPROVED

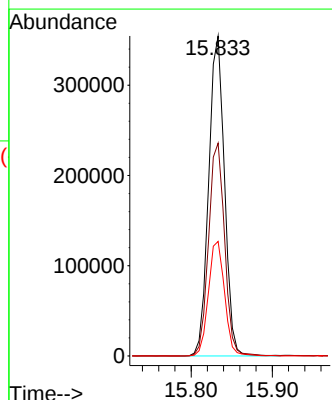
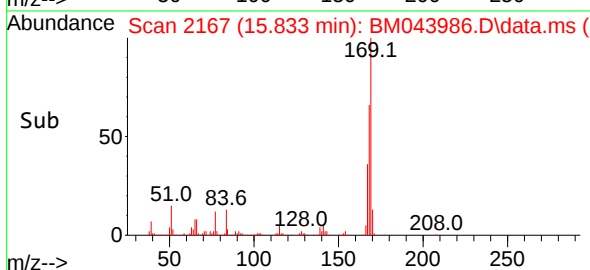
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

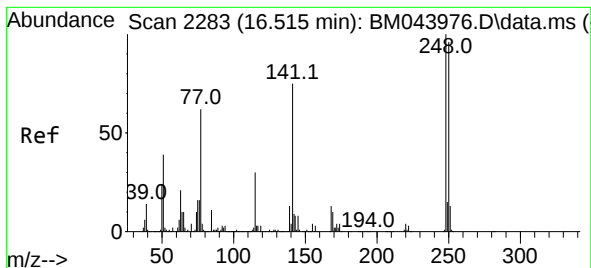


#66
n-Nitrosodiphenylamine
Concen: 10.376 ng
RT: 15.833 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



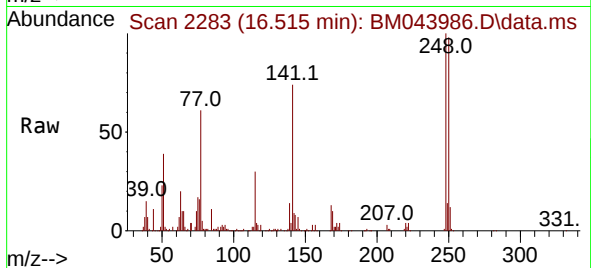
Tgt Ion:169 Resp: 478610
Ion Ratio Lower Upper
169 100
168 66.5 53.4 80.2
167 35.8 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 9.555 ng
RT: 16.515 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

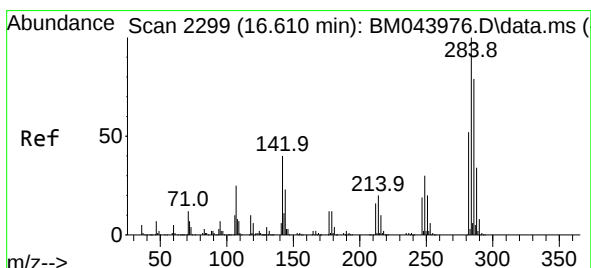
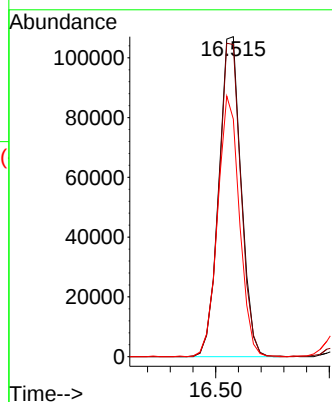
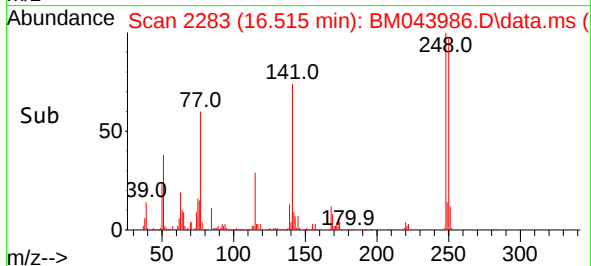
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:248 Resp: 145762
Ion Ratio Lower Upper
248 100
250 97.5 77.0 115.4
141 74.3 59.9 89.9

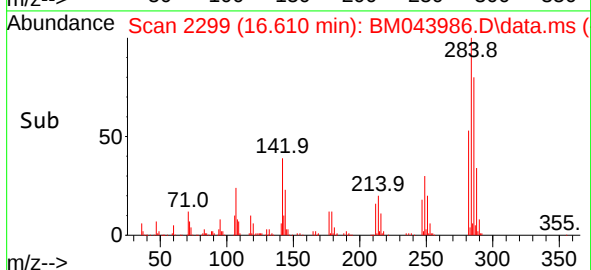
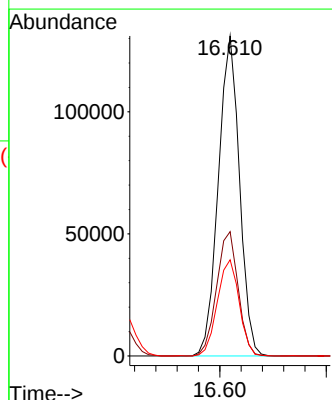
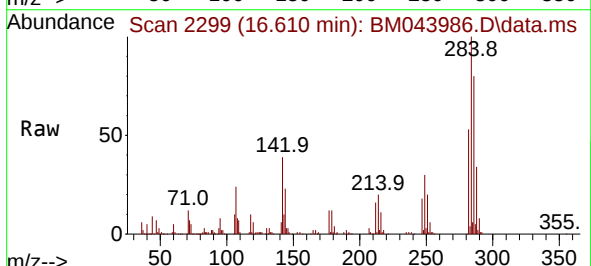
Manual Integrations
APPROVED

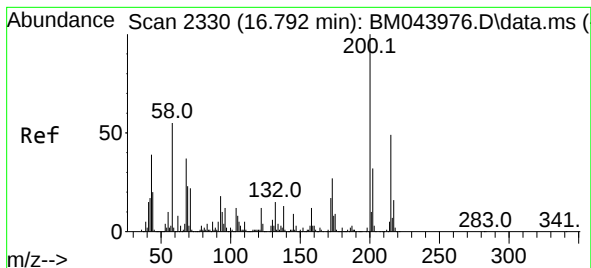
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#68
Hexachlorobenzene
Concen: 9.918 ng
RT: 16.610 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:284 Resp: 180385
Ion Ratio Lower Upper
284 100
142 38.8 32.2 48.4
249 30.1 24.4 36.6





#69

Atrazine

Concen: 12.156 ng

RT: 16.792 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM043986.D

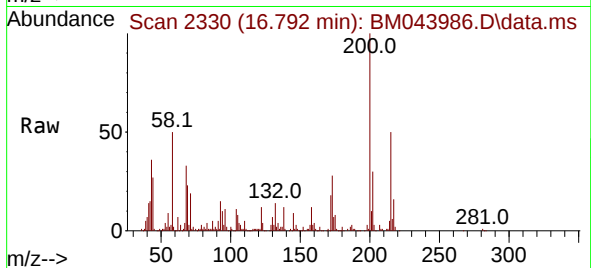
Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion:200 Resp: 155120

Ion Ratio Lower Upper

200 100

173 27.8 7.3 47.3

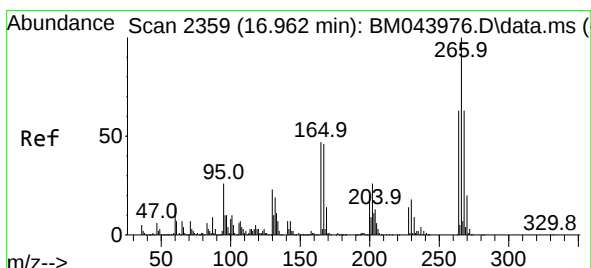
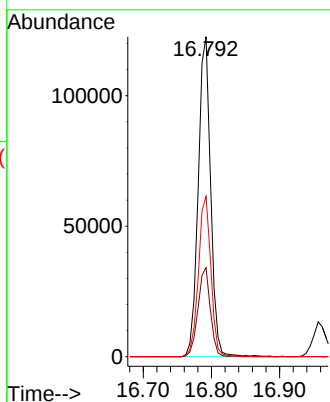
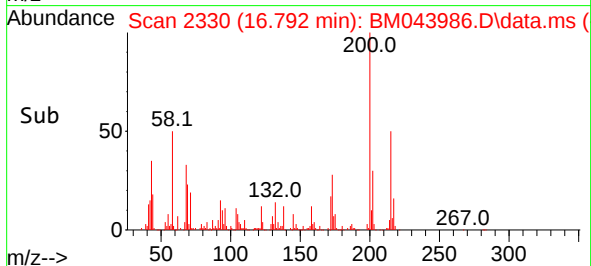
215 50.1 28.7 68.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#70

Pentachlorophenol

Concen: 7.955 ng

RT: 16.957 min Scan# 2358

Delta R.T. -0.005 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

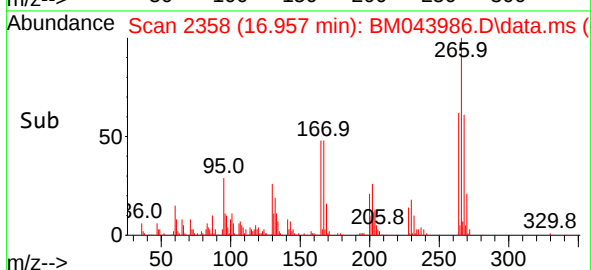
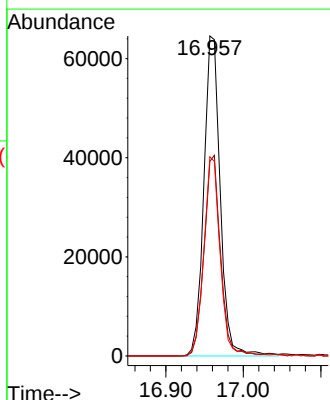
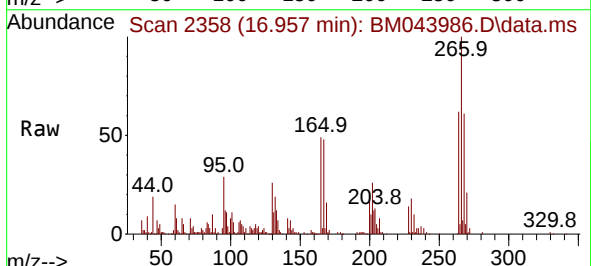
Tgt Ion:266 Resp: 95003

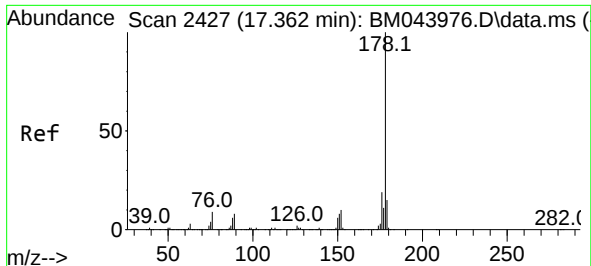
Ion Ratio Lower Upper

266 100

268 60.8 50.6 76.0

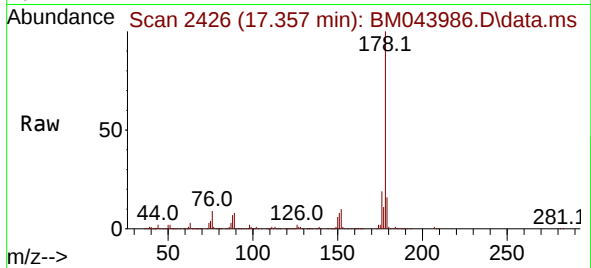
264 62.2 50.6 76.0





#71
Phenanthrene
Concen: 10.582 ng
RT: 17.357 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

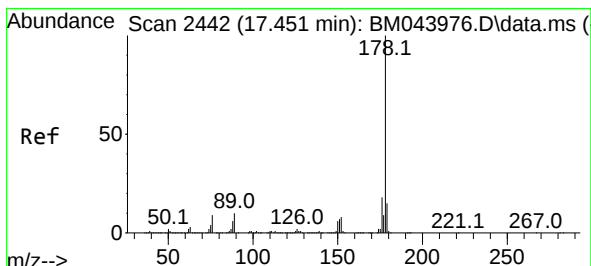
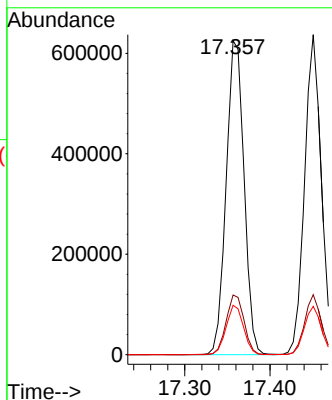
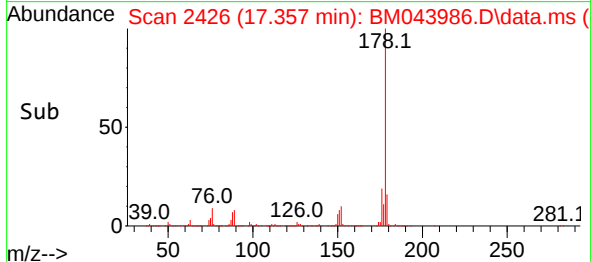
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



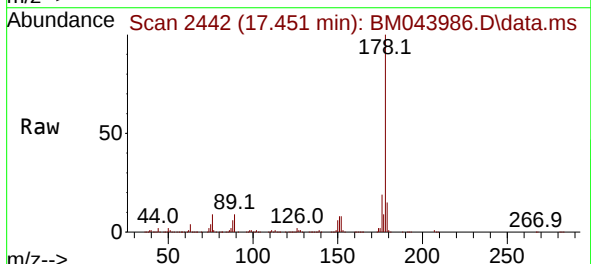
Tgt Ion:178 Resp: 912672
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.8 12.4 18.6

Manual Integrations
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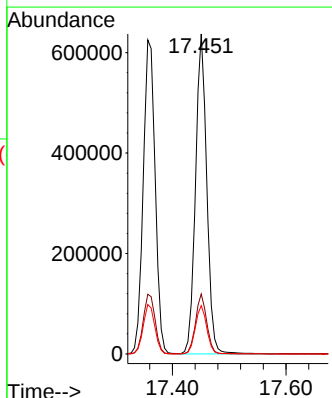
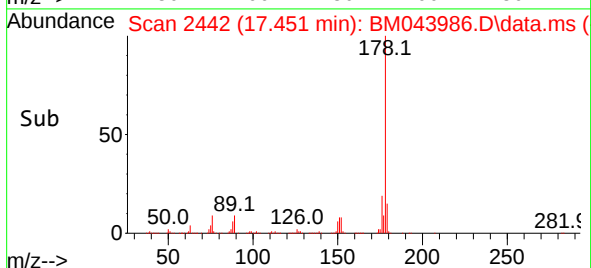
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

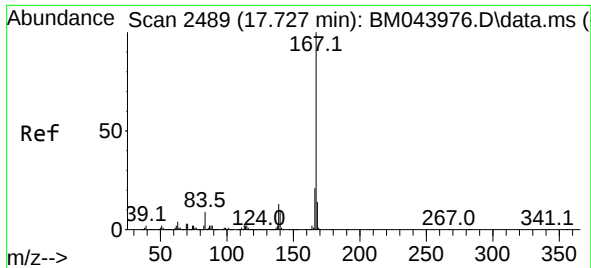


#72
Anthracene
Concen: 10.409 ng
RT: 17.451 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



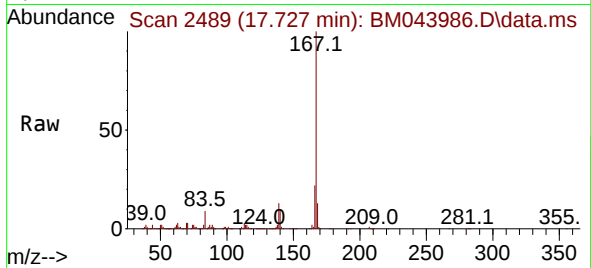
Tgt Ion:178 Resp: 878964
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 15.1 12.2 18.4





#73
 Carbazole
 Concen: 9.836 ng
 RT: 17.727 min Scan# 2489
 Delta R.T. 0.000 min
 Lab File: BM043986.D
 Acq: 06 Feb 2024 11:30

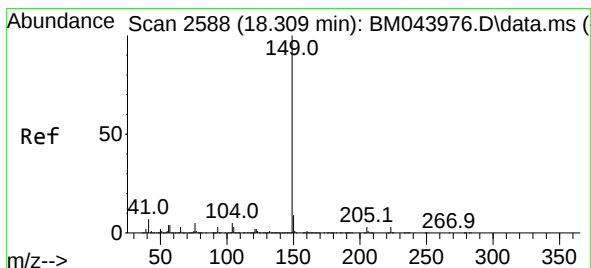
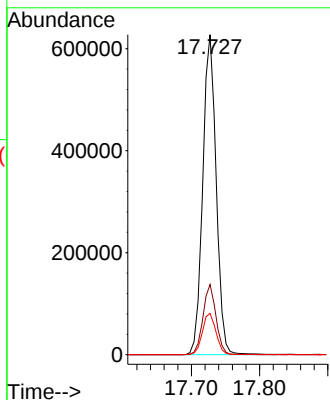
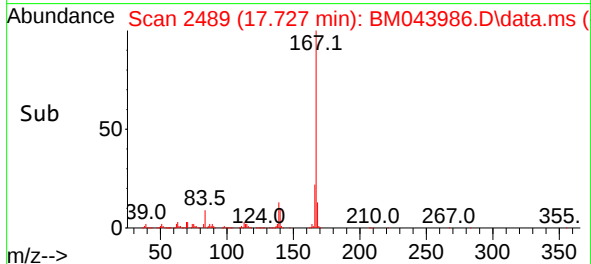
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023



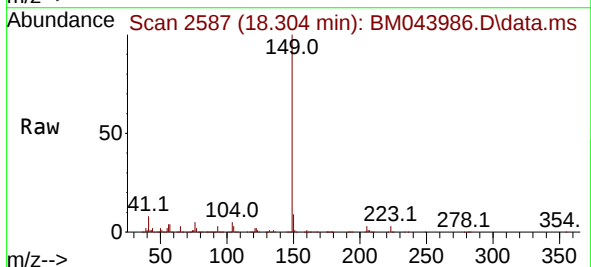
Tgt Ion:167 Resp: 86023
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.1 25.7
 139 12.9 10.6 15.8

Manual Integrations
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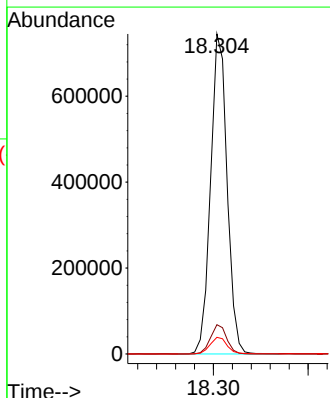
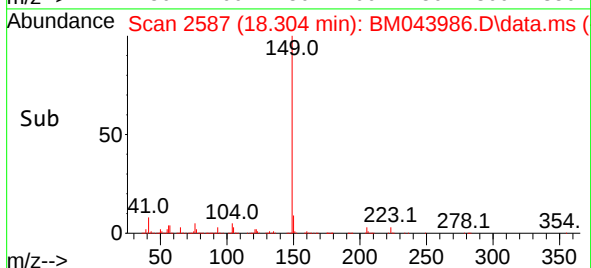
Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024

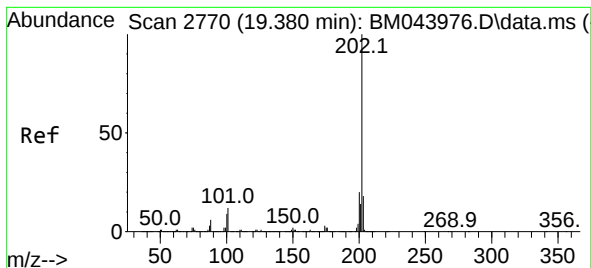


#74
 Di-n-butylphthalate
 Concen: 9.426 ng
 RT: 18.304 min Scan# 2587
 Delta R.T. -0.005 min
 Lab File: BM043986.D
 Acq: 06 Feb 2024 11:30



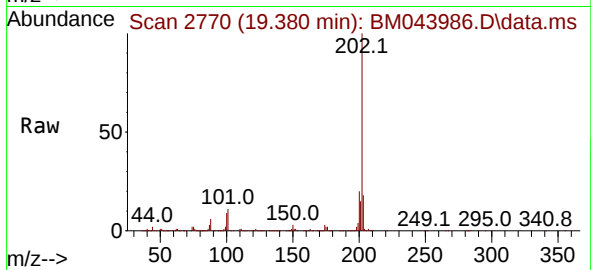
Tgt Ion:149 Resp: 904046
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.2 4.1 6.1





#75
Fluoranthene
Concen: 9.667 ng
RT: 19.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

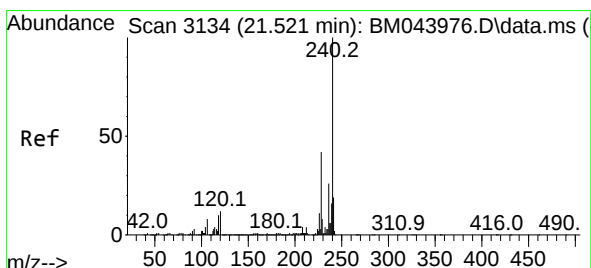
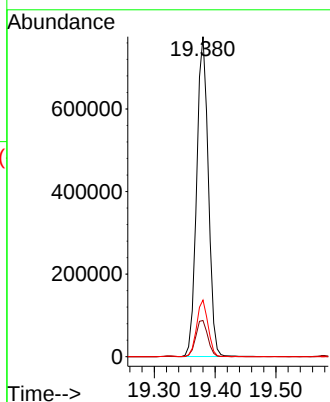
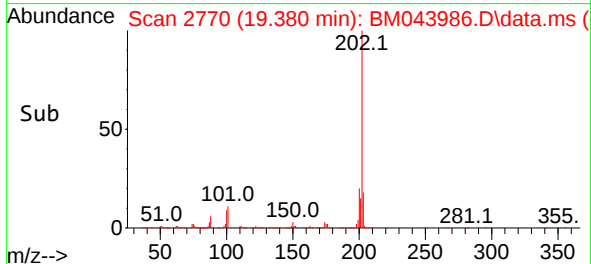
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:202 Resp: 1031078
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.9
203 17.7 0.0 37.6

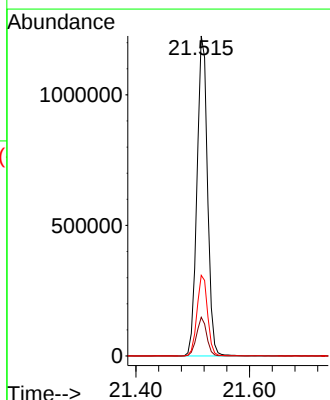
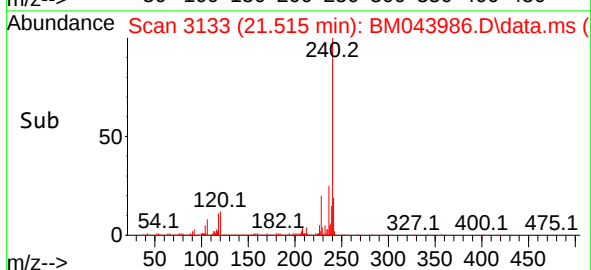
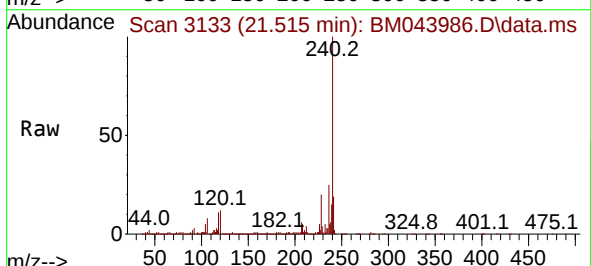
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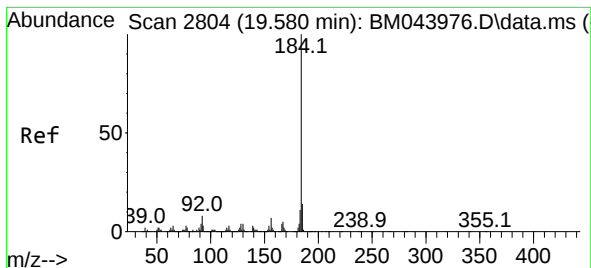
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:240 Resp: 1581309
Ion Ratio Lower Upper
240 100
120 12.1 9.3 13.9
236 25.2 20.5 30.7





#77

Benzidine

Concen: 22.450 ng

RT: 19.580 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

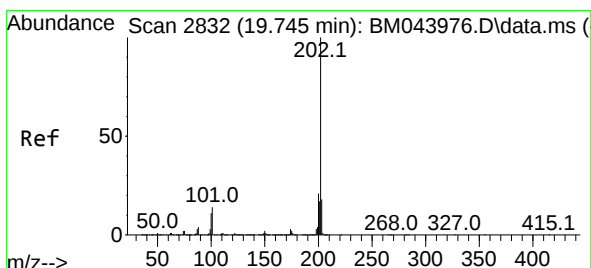
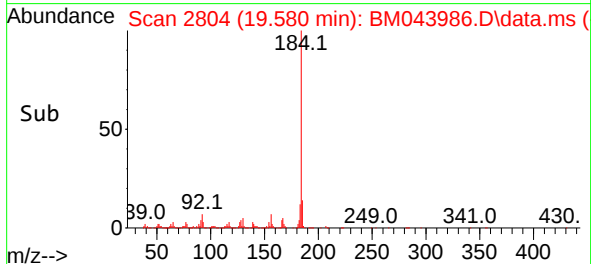
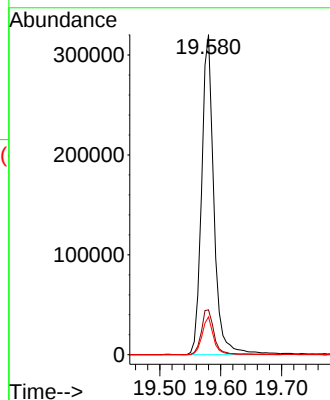
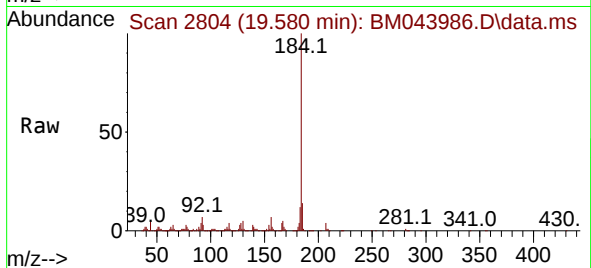
LOQ-SOIL-02-QT3-2023

Tgt Ion:184 Resp: 450410
 Ion Ratio Lower Upper
 184 100
 185 14.0 11.5 17.3
 183 11.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024



#78

Pyrene

Concen: 10.254 ng

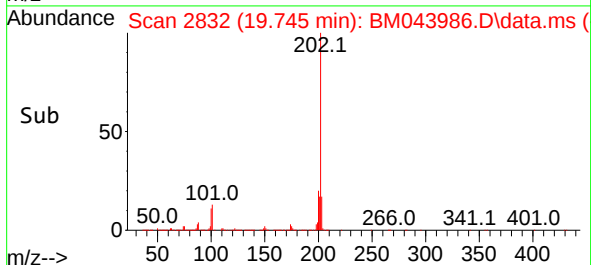
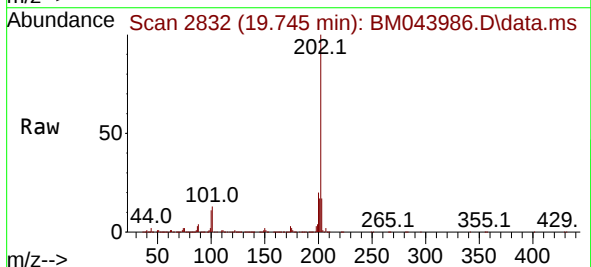
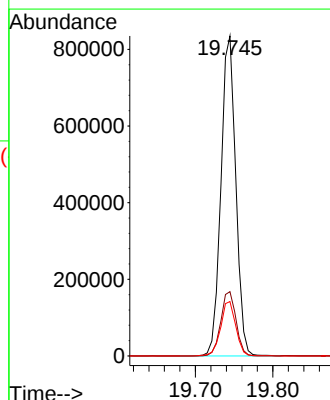
RT: 19.745 min Scan# 2832

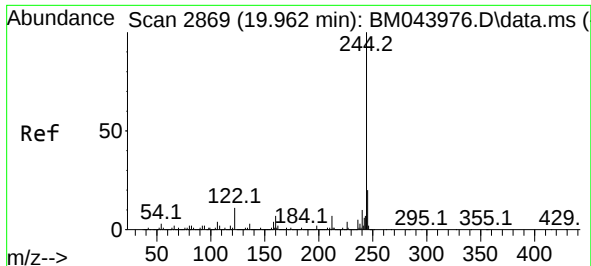
Delta R.T. 0.000 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

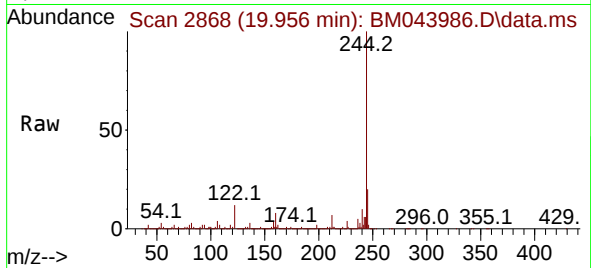
Tgt Ion:202 Resp: 1114642
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.8 25.2
 203 17.0 14.2 21.4





#79
 Terphenyl-d14
 Concen: 92.066 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM043986.D
 Acq: 06 Feb 2024 11:30

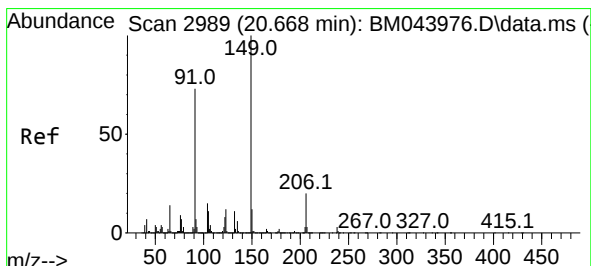
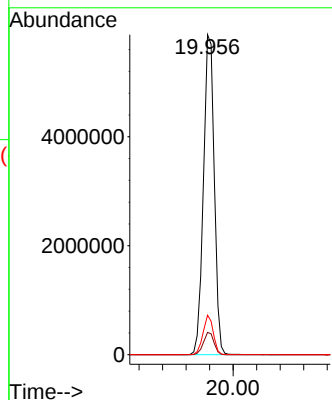
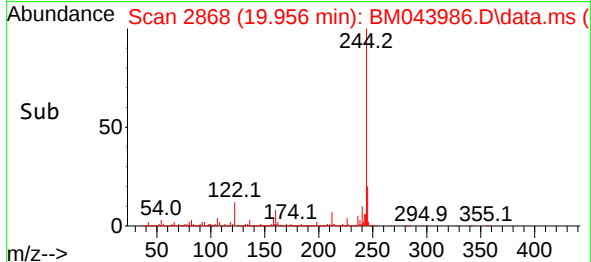
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023



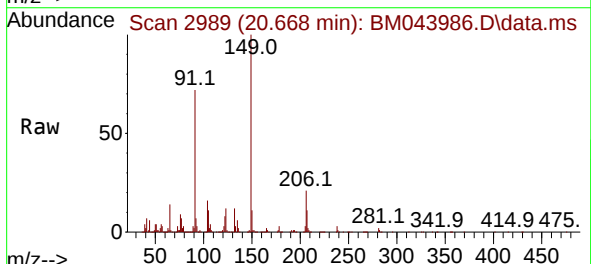
Tgt Ion:244 Resp: 754161
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 12.3 8.7 13.1

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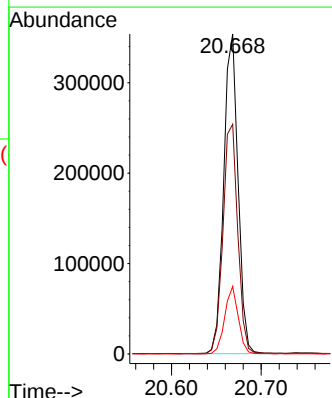
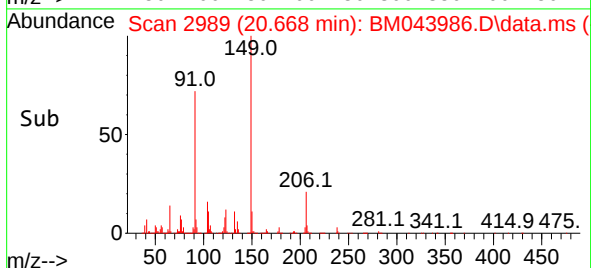
Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024

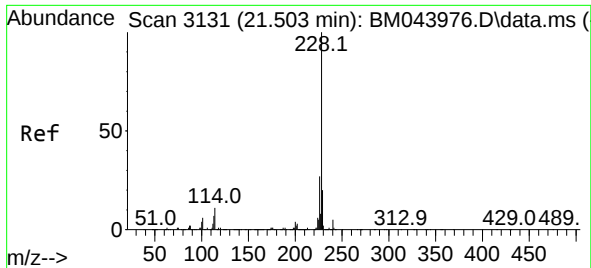


#80
 Butylbenzylphthalate
 Concen: 9.119 ng
 RT: 20.668 min Scan# 2989
 Delta R.T. 0.000 min
 Lab File: BM043986.D
 Acq: 06 Feb 2024 11:30



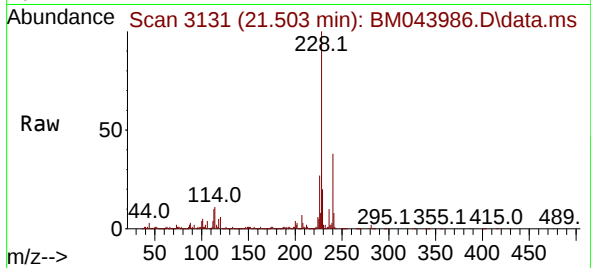
Tgt Ion:149 Resp: 392481
 Ion Ratio Lower Upper
 149 100
 91 71.8 58.4 87.6
 206 21.1 15.8 23.6





#81
Benzo(a)anthracene
Concen: 10.453 ng
RT: 21.503 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

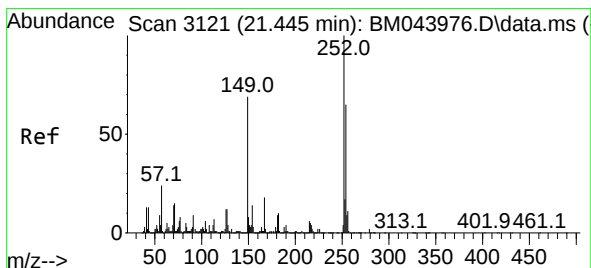
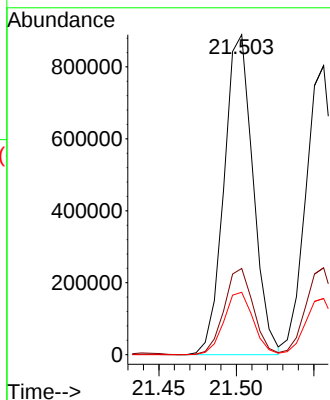
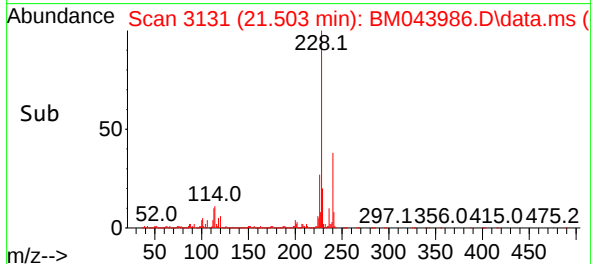
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



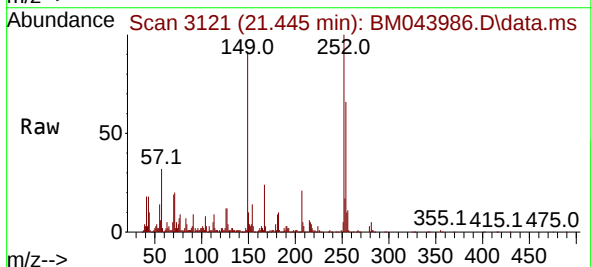
Tgt Ion:228 Resp: 1159630
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.5 16.1 24.1

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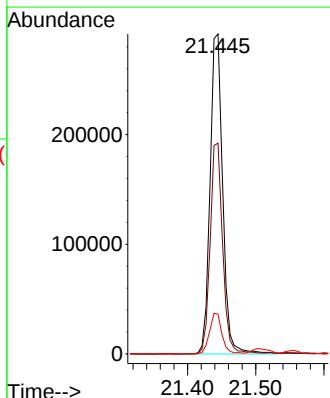
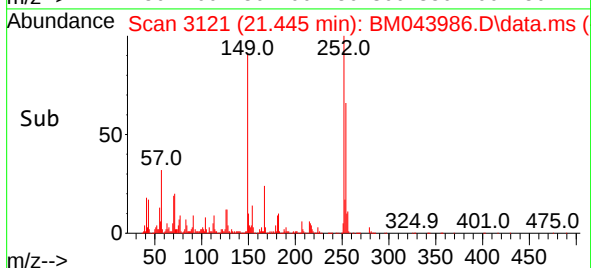
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

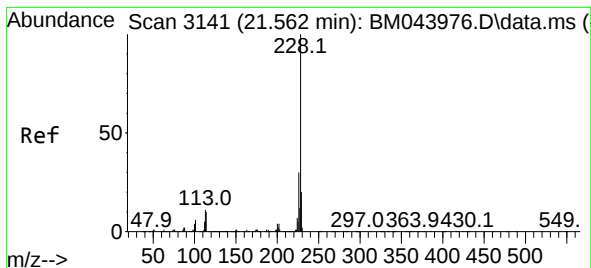


#82
3,3'-Dichlorobenzidine
Concen: 10.640 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.000 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30



Tgt Ion:252 Resp: 377432
Ion Ratio Lower Upper
252 100
254 65.8 51.6 77.4
126 12.4 9.4 14.2





#83

Chrysene

Concen: 10.145 ng

RT: 21.556 min Scan# 3141

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:228 Resp: 107824

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

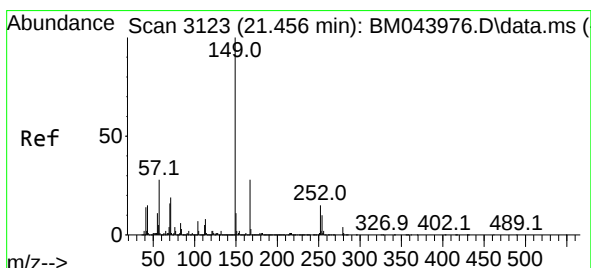
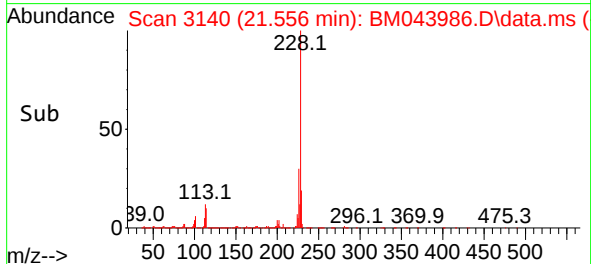
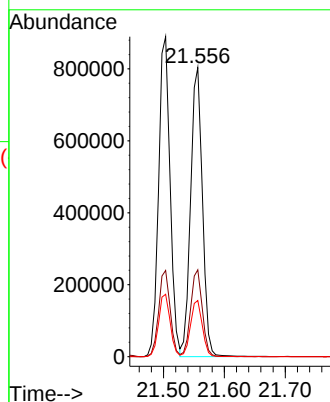
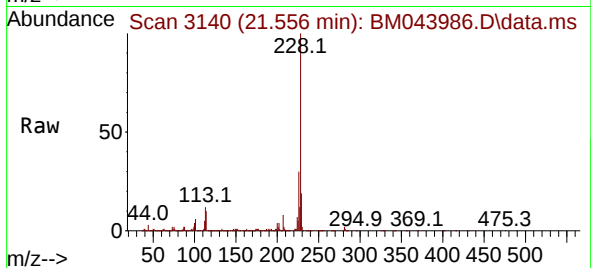
229 19.5 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.309 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

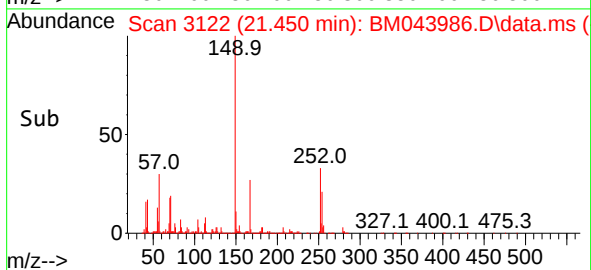
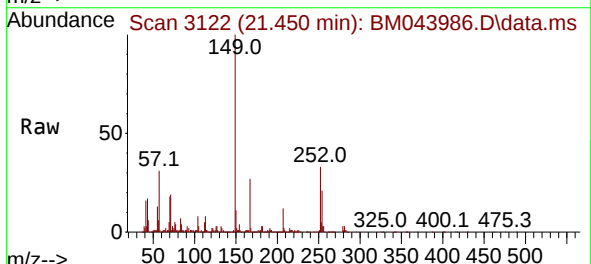
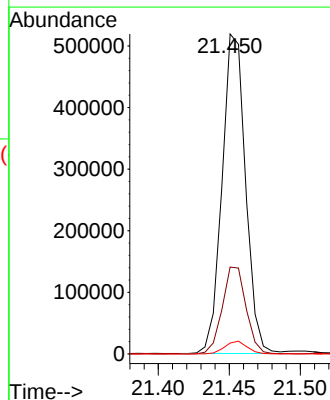
Tgt Ion:149 Resp: 595887

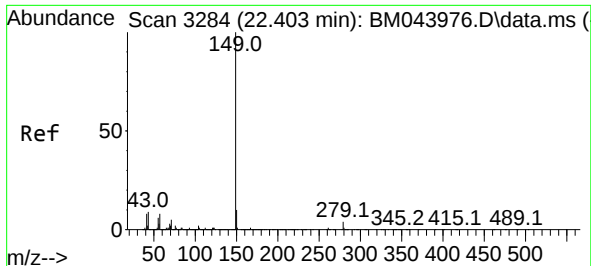
Ion Ratio Lower Upper

149 100

167 27.1 22.0 33.0

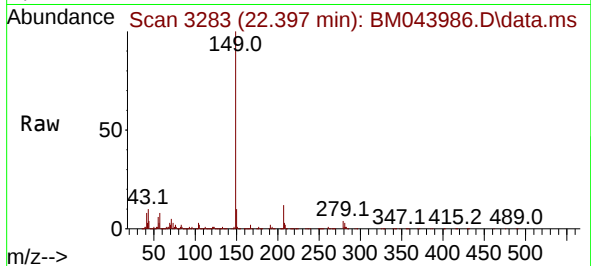
279 3.4 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 8.750 ng
RT: 22.397 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

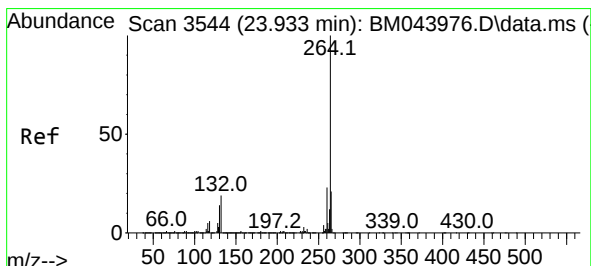
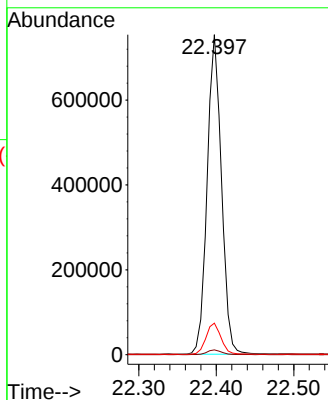
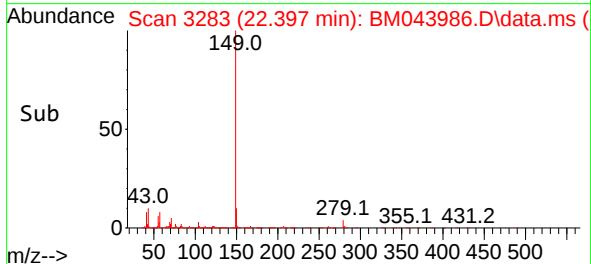
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:149 Resp: 96488
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.4 7.9 11.9

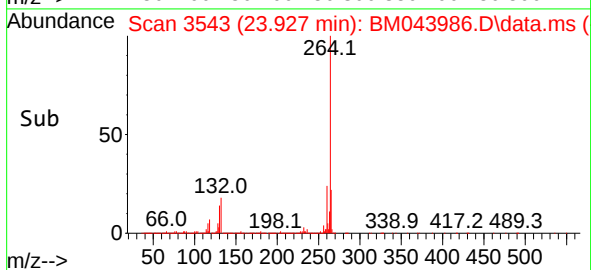
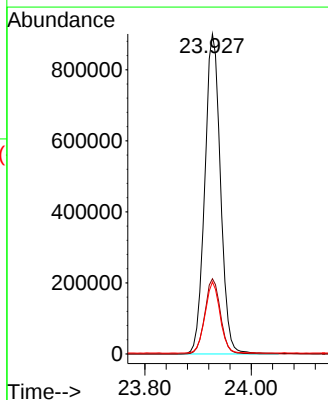
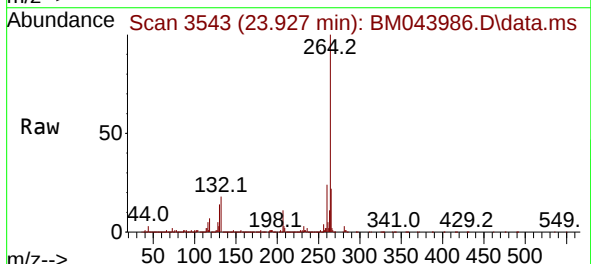
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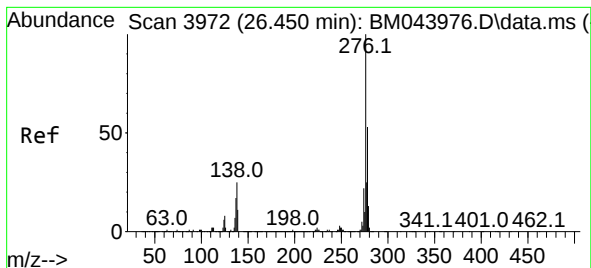
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 3543
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:264 Resp: 1845631
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 22.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.916 ng

RT: 26.427 min Scan# 3968

Delta R.T. -0.023 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:276 Resp: 136946

Ion Ratio Lower Upper

276 100

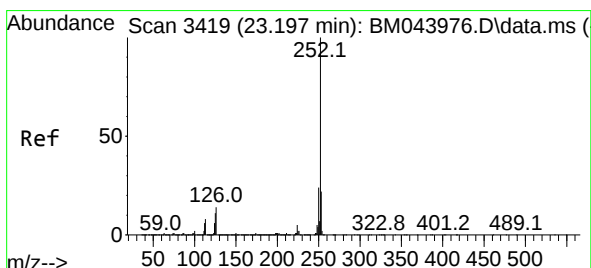
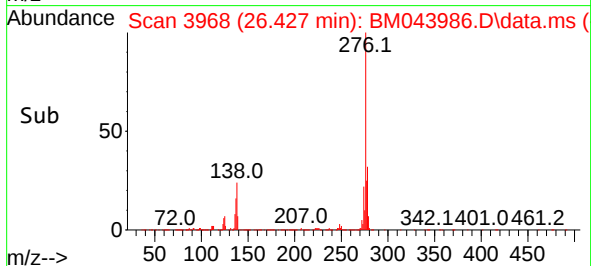
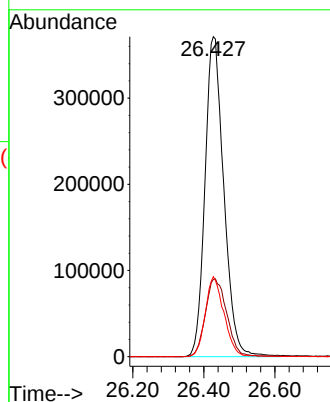
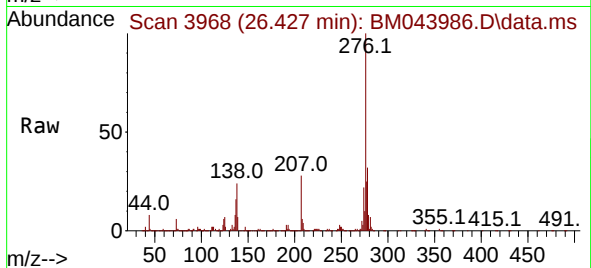
138 27.5 21.8 32.6

277 24.8 19.9 29.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#88

Benzo(b)fluoranthene

Concen: 9.826 ng

RT: 23.192 min Scan# 3418

Delta R.T. -0.006 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

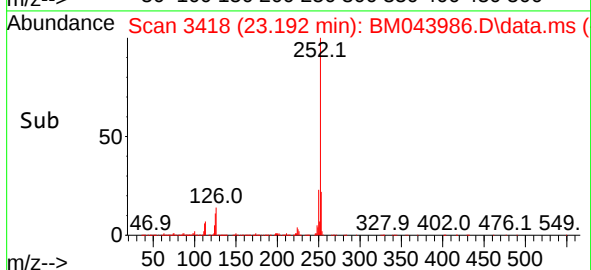
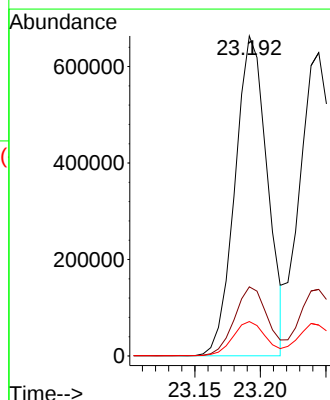
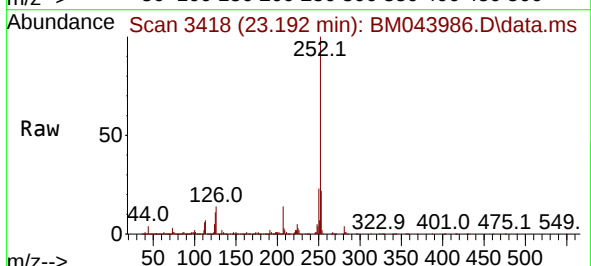
Tgt Ion:252 Resp: 1140759

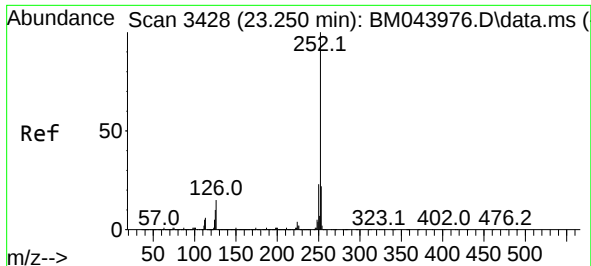
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 10.8 9.0 13.6





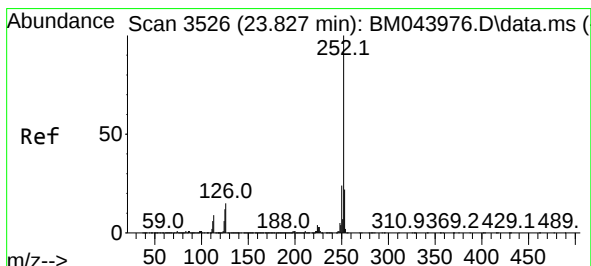
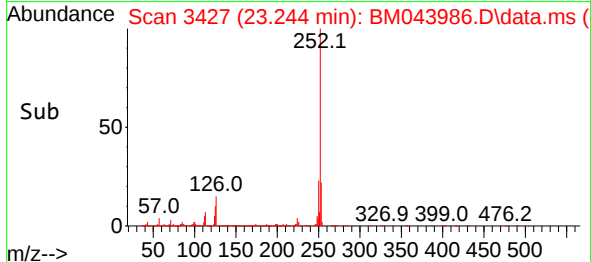
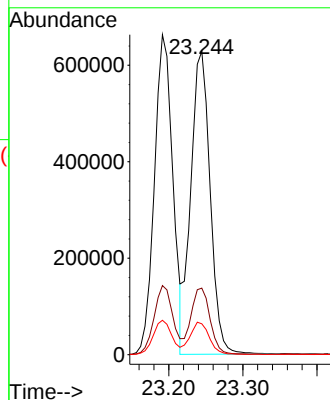
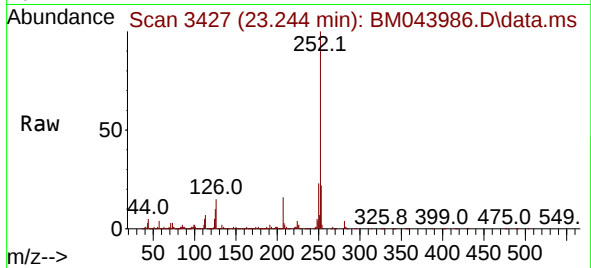
#89
Benzo(k)fluoranthene
Concen: 10.219 ng
RT: 23.244 min Scan# 3428
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:252 Resp: 113818
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.2 8.3 12.5

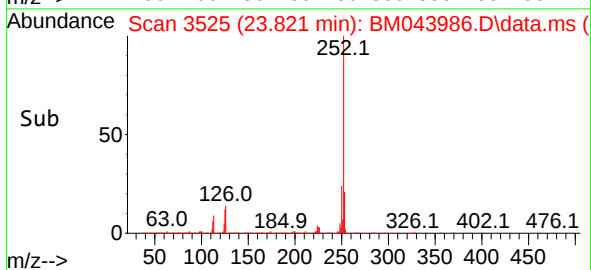
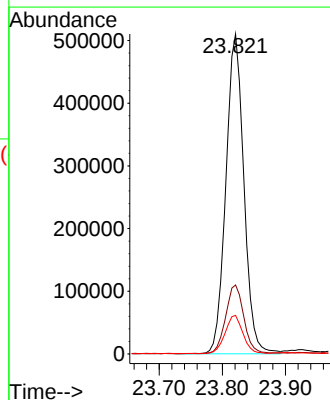
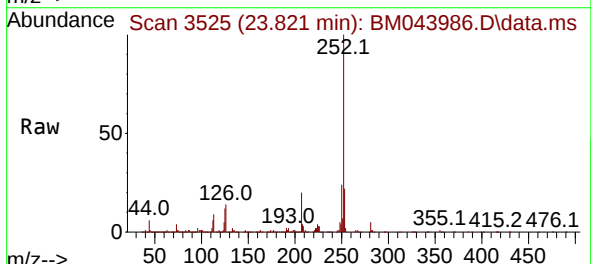
Manual Integrations
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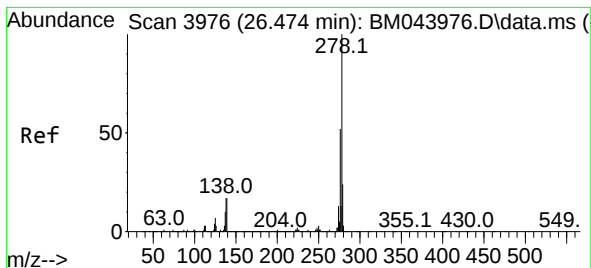
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#90
Benzo(a)pyrene
Concen: 9.827 ng
RT: 23.821 min Scan# 3525
Delta R.T. -0.006 min
Lab File: BM043986.D
Acq: 06 Feb 2024 11:30

Tgt Ion:252 Resp: 1008425
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 12.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 9.953 ng

RT: 26.456 min Scan# 3976

Delta R.T. -0.018 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:278 Resp: 1133538

Ion Ratio Lower Upper

278 100

139 16.9 13.7 20.5

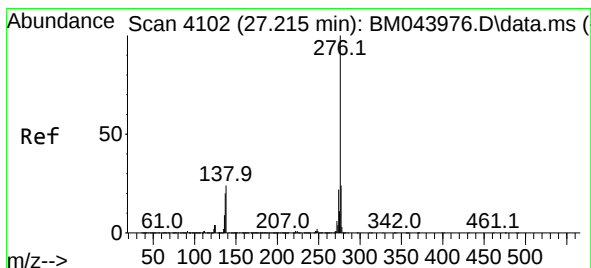
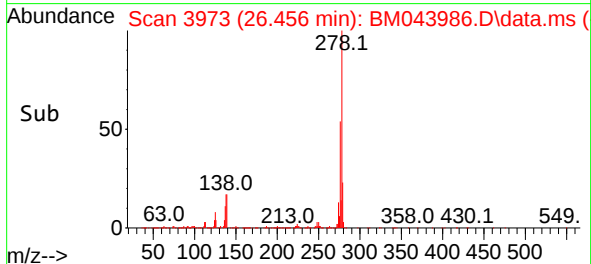
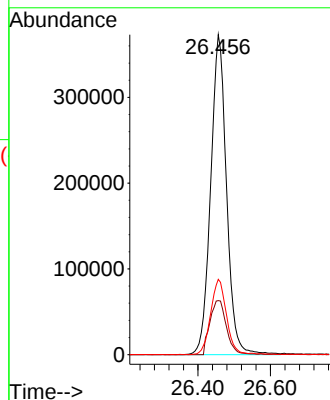
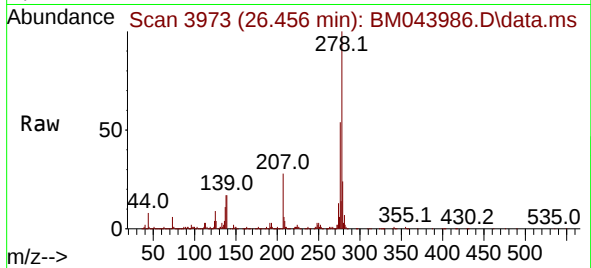
279 23.5 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#92

Benzo(g,h,i)perylene

Concen: 9.613 ng

RT: 27.191 min Scan# 4098

Delta R.T. -0.023 min

Lab File: BM043986.D

Acq: 06 Feb 2024 11:30

Tgt Ion:276 Resp: 1116756

Ion Ratio Lower Upper

276 100

277 23.0 19.0 28.4

138 24.3 18.8 28.2

