

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM043985.D
 Acq On : 06 Feb 2024 10:45
 Operator : MA/JU
 Sample : 03572-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 07 03:04:00 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	291739	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	1291030	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	803591	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1759174	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1772110	20.000	ng	0.00
86) Perylene-d12	23.921	264	2063649	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	2208017	111.766	ng	0.00
7) Phenol-d6	7.087	99	2958965	101.372	ng	0.00
23) Nitrobenzene-d5	9.092	82	2443754	91.246	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1057775	107.984	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	5401332	92.358	ng	0.00
79) Terphenyl-d14	19.956	244	9102832	99.160	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.399	88	44479	5.826	ng	97
3) Pyridine	3.799	79	102631	4.417	ng	# 94
4) n-Nitrosodimethylamine	3.722	42	48873	4.893	ng	# 95
6) Aniline	7.251	93	155935	5.369	ng	100
8) 2-Chlorophenol	7.481	128	97238	4.433	ng	98
9) Benzaldehyde	7.069	77	105627	3.490	ng	98
10) Phenol	7.110	94	139437	4.804	ng	94
11) bis(2-Chloroethyl)ether	7.357	93	112053	4.926	ng	99
12) 1,3-Dichlorobenzene	7.804	146	116012	4.899	ng	99
13) 1,4-Dichlorobenzene	7.957	146	118636	4.954	ng	97
14) 1,2-Dichlorobenzene	8.269	146	115601	4.894	ng	96
15) Benzyl Alcohol	8.169	79	93197	4.658	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.457	45	156775m	5.140	ng	
17) 2-Methylphenol	8.369	107	81570	4.397	ng	99
18) Hexachloroethane	8.992	117	42583	4.738	ng	97
19) n-Nitroso-di-n-propyla...	8.734	70	89705	4.670	ng	98
20) 3+4-Methylphenols	8.692	107	112759	4.306	ng	98
22) Acetophenone	8.751	105	179785	5.139	ng	97
24) Nitrobenzene	9.134	77	138310	5.147	ng	98
25) Isophorone	9.657	82	229910	4.611	ng	99
26) 2-Nitrophenol	9.839	139	43952	4.047	ng	96
27) 2,4-Dimethylphenol	9.904	122	77169	5.175	ng	98
28) bis(2-Chloroethoxy)met...	10.151	93	154721	5.082	ng	99
29) 2,4-Dichlorophenol	10.369	162	83937	4.413	ng	97
30) 1,2,4-Trichlorobenzene	10.586	180	105896	4.929	ng	99
31) Naphthalene	10.775	128	356061	4.948	ng	99
32) Benzoic acid	9.963	122	38039	8.680	ng	# 85
33) 4-Chloroaniline	10.892	127	147030	4.971	ng	98
34) Hexachlorobutadiene	11.051	225	58253	4.972	ng	94
35) Caprolactam	11.663	113	29324m	3.760	ng	
36) 4-Chloro-3-methylphenol	12.016	107	97256	4.176	ng	97
37) 2-Methylnaphthalene	12.386	142	237026	4.723	ng	99
38) 1-Methylnaphthalene	12.604	142	234685	4.685	ng	98
40) 1,2,4,5-Tetrachloroben...	12.751	216	118386	5.194	ng	99
41) Hexachlorocyclopentadiene	12.722	237	46277	6.174	ng	97
43) 2,4,6-Trichlorophenol	12.998	196	63208	4.104	ng	95

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 Misc : LOQ-SOIL-5PPM
 ALS Vial : 4 Sample Multiplier: 1

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

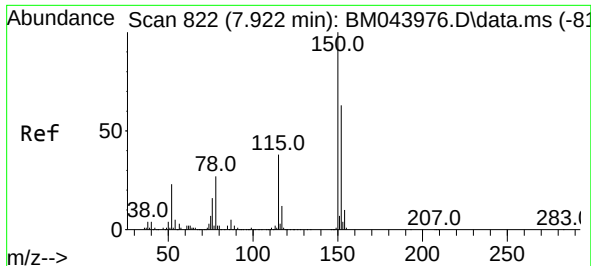
Quant Time: Feb 07 03:04:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
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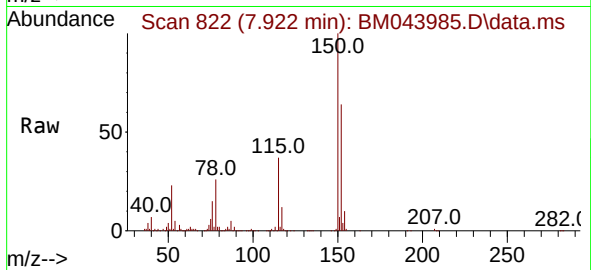
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	72696	4.137	ng	96
46) 1,1'-Biphenyl	13.404	154	323935	5.126	ng	100
47) 2-Chloronaphthalene	13.439	162	247335	4.908	ng	99
48) 2-Nitroaniline	13.651	65	67760	4.134	ng	95
49) Acenaphthylene	14.286	152	396591	5.148	ng	99
50) Dimethylphthalate	14.033	163	304768	4.883	ng	99
51) 2,6-Dinitrotoluene	14.151	165	58265	4.247	ng	93
52) Acenaphthene	14.627	154	235826	4.829	ng	99
53) 3-Nitroaniline	14.480	138	67182	4.218	ng	97
54) 2,4-Dinitrophenol	14.680	184	18228	9.363	ng	96
55) Dibenzofuran	14.963	168	388621	5.113	ng	98
56) 4-Nitrophenol	14.780	139	53230	3.824	ng	97
57) 2,4-Dinitrotoluene	14.933	165	71470	3.742	ng	94
58) Fluorene	15.616	166	310646	4.840	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.186	232	65638	4.333	ng	98
60) Diethylphthalate	15.398	149	303920	4.703	ng	98
61) 4-Chlorophenyl-phenyle...	15.616	204	147993	4.942	ng	98
62) 4-Nitroaniline	15.639	138	66875	3.840	ng	96
63) Azobenzene	15.910	77	304149	4.713	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	28805	8.508	ng	91
66) n-Nitrosodiphenylamine	15.833	169	255273	4.871	ng	99
67) 4-Bromophenyl-phenylether	16.510	248	84384	4.869	ng	97
68) Hexachlorobenzene	16.610	284	102124	4.942	ng	97
69) Atrazine	16.786	200	81120	5.596	ng	96
70) Pentachlorophenol	16.957	266	45987	3.389	ng	96
71) Phenanthrene	17.357	178	504027	5.144	ng	99
72) Anthracene	17.451	178	474999	4.952	ng	100
73) Carbazole	17.727	167	458693	4.617	ng	99
74) Di-n-butylphthalate	18.304	149	467700	4.293	ng	99
75) Fluoranthene	19.380	202	553811	4.570	ng	99
77) Benzidine	19.574	184	202818	9.021	ng	99
78) Pyrene	19.739	202	593249	4.870	ng	99
80) Butylbenzylphthalate	20.662	149	196034	4.064	ng	96
81) Benzo(a)anthracene	21.498	228	625135	5.028	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	190390	4.789	ng	99
83) Chrysene	21.550	228	590006	4.953	ng	97
84) Bis(2-ethylhexyl)phtha...	21.450	149	299801	4.179	ng	100
85) Di-n-octyl phthalate	22.392	149	485971	3.933	ng	99
87) Indeno(1,2,3-cd)pyrene	26.421	276	688401	4.458	ng	99
88) Benzo(b)fluoranthene	23.192	252	622770	4.798	ng	98
89) Benzo(k)fluoranthene	23.239	252	587239	4.715	ng	100
90) Benzo(a)pyrene	23.815	252	522566	4.554	ng	99
91) Dibenzo(a,h)anthracene	26.450	278	574695	4.513	ng	98
92) Benzo(g,h,i)perylene	27.185	276	559425	4.307	ng	99

(#) = 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: BM043985.D
Acq: 06 Feb 2024 10:45

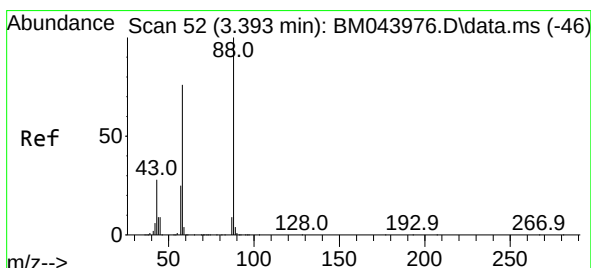
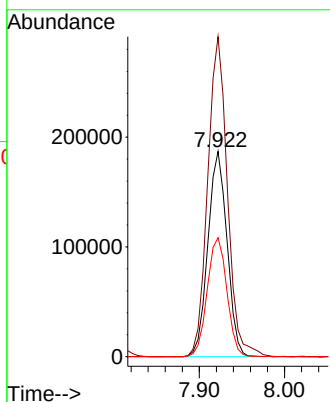
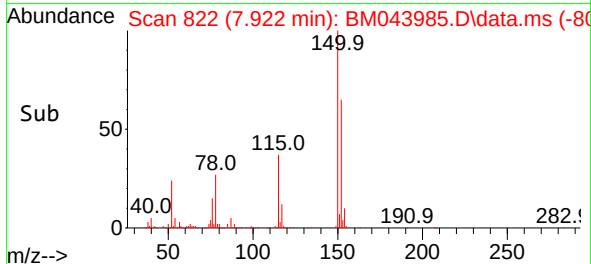
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:152 Resp: 291739
Ion Ratio Lower Upper
152 100
150 155.9 126.1 189.1
115 58.0 48.2 72.2

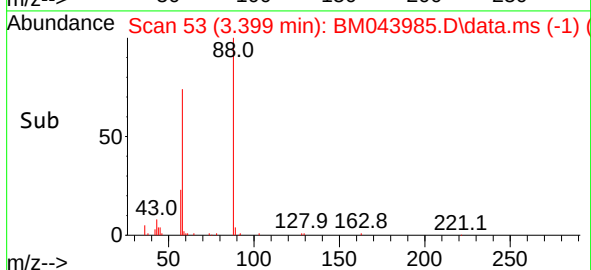
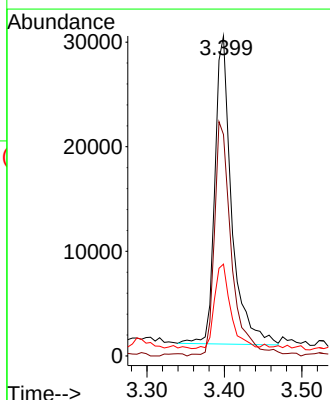
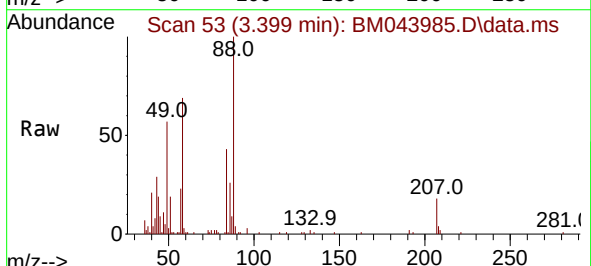
Manual Integrations
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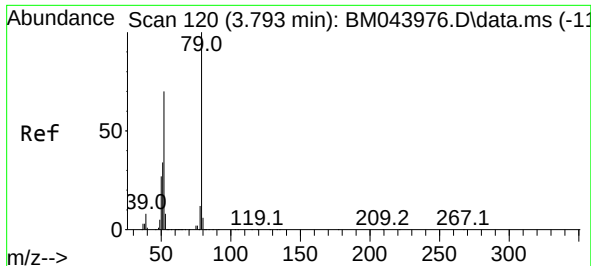
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#2
1,4-Dioxane
Concen: 5.826 ng
RT: 3.399 min Scan# 53
Delta R.T. 0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

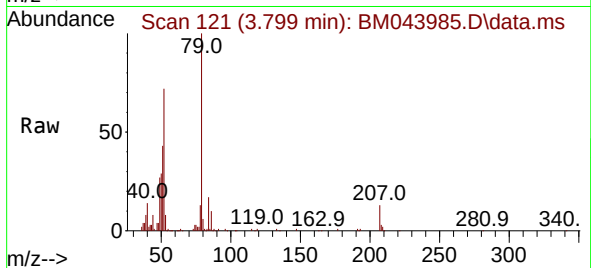
Tgt Ion: 88 Resp: 44479
Ion Ratio Lower Upper
88 100
58 77.9 61.0 91.6
43 26.5 23.0 34.6





#3
Pyridine
Concen: 4.417 ng
RT: 3.799 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

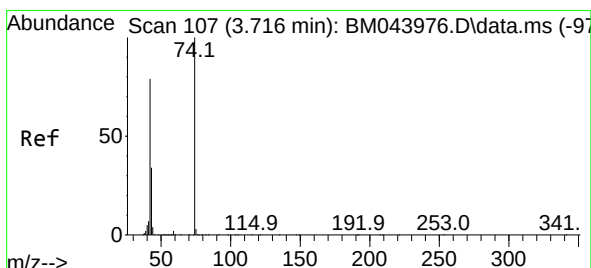
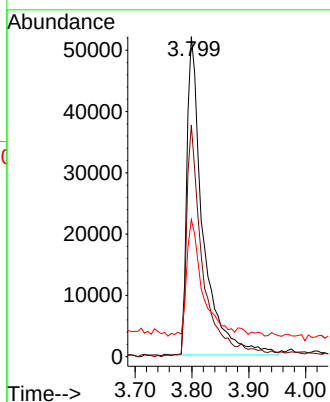
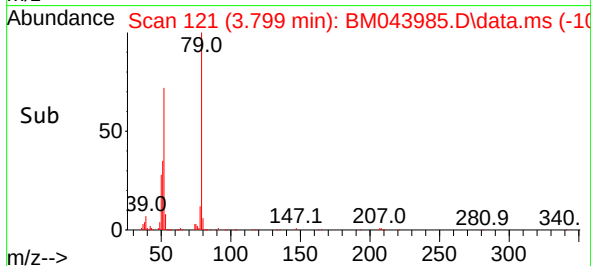
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 79 Resp: 10263
Ion Ratio Lower Upper
79 100
52 72.4 55.9 83.9
51 42.9 28.2 42.2

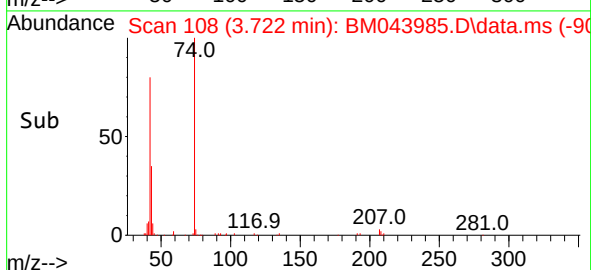
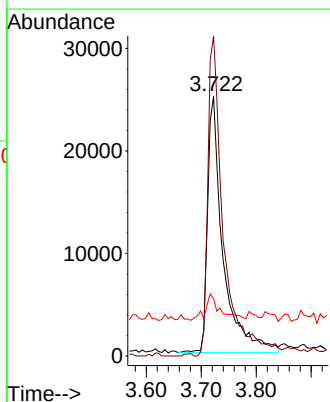
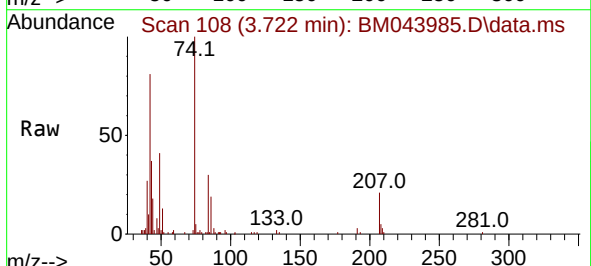
Manual Integrations
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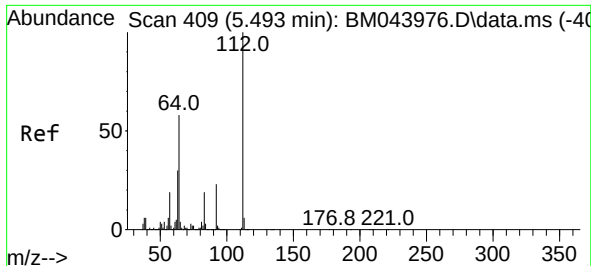
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#4
n-Nitrosodimethylamine
Concen: 4.893 ng
RT: 3.722 min Scan# 108
Delta R.T. 0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

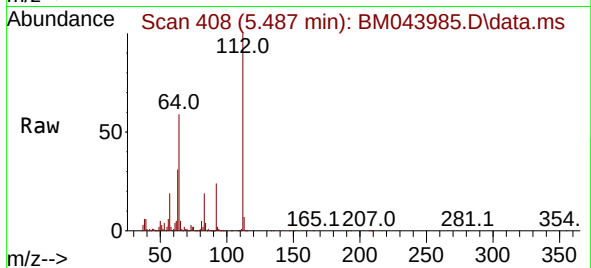
Tgt Ion: 42 Resp: 48873
Ion Ratio Lower Upper
42 100
74 123.2 100.7 151.1
44 22.1 7.3 10.9





#5
2-Fluorophenol
Concen: 111.766 ng
RT: 5.487 min Scan# 409
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

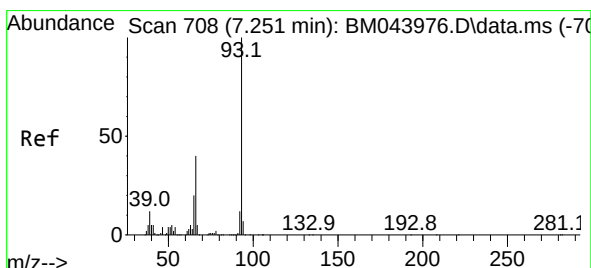
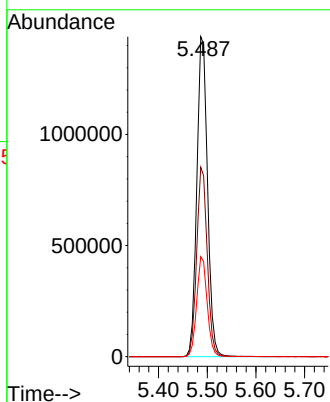
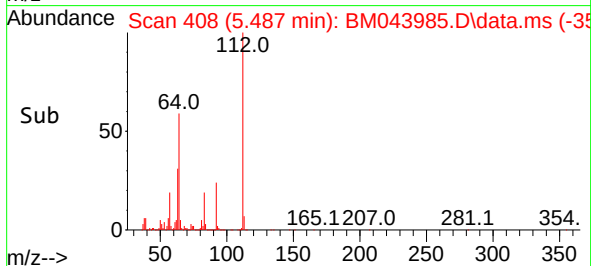
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 112 Resp: 220801
Ion Ratio Lower Upper
112 100
64 59.2 46.6 70.0
63 31.3 24.2 36.4

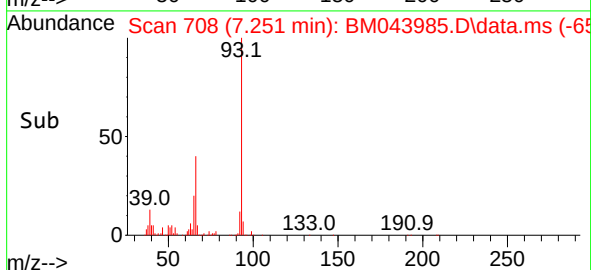
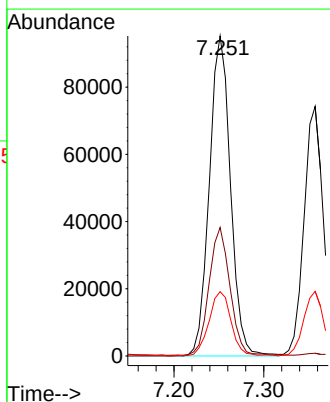
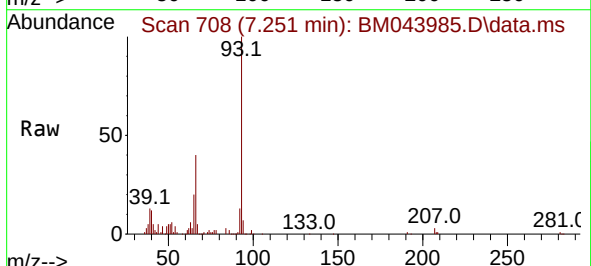
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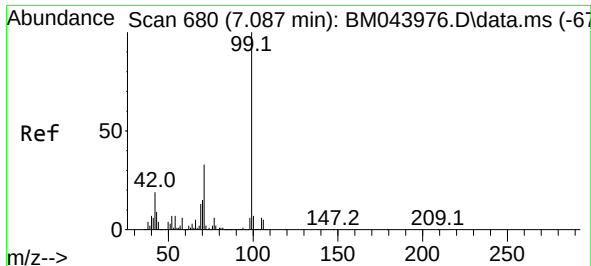
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#6
Aniline
Concen: 5.369 ng
RT: 7.251 min Scan# 708
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

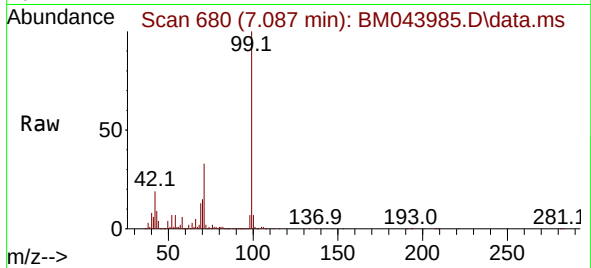
Tgt Ion: 93 Resp: 155935
Ion Ratio Lower Upper
93 100
66 40.2 32.2 48.2
65 20.1 15.8 23.8





#7
Phenol-d6
Concen: 101.372 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

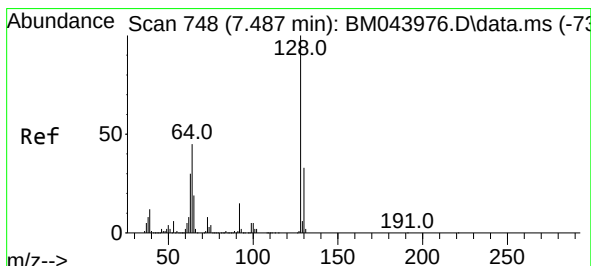
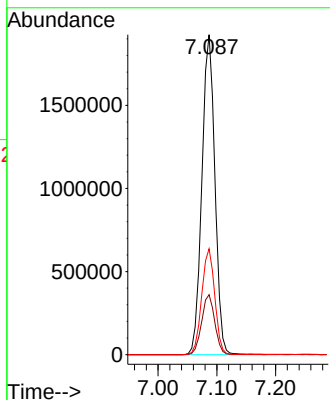
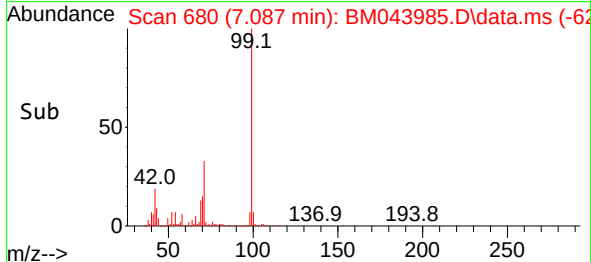
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 99 Resp: 295896
Ion Ratio Lower Upper
99 100
42 18.8 14.9 22.3
71 33.1 26.3 39.5

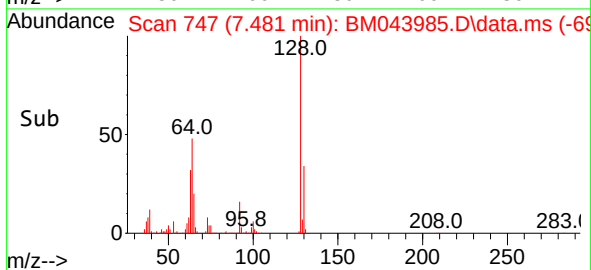
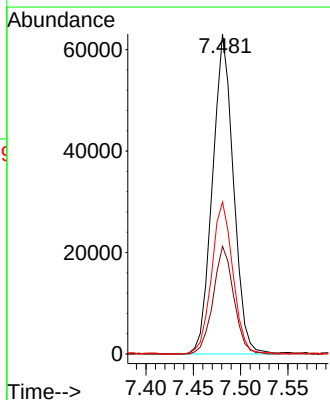
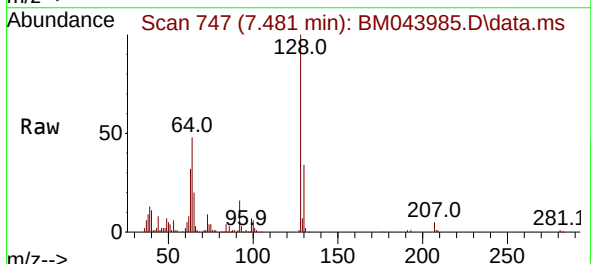
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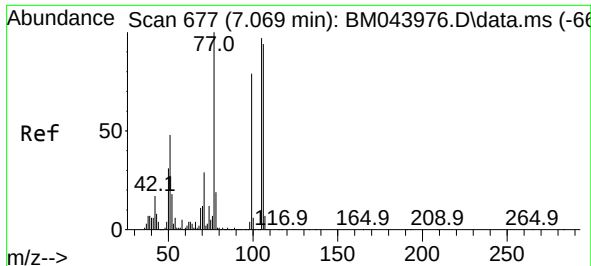
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#8
2-Chlorophenol
Concen: 4.433 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:128 Resp: 97238
Ion Ratio Lower Upper
128 100
130 33.6 12.9 52.9
64 47.5 25.6 65.6





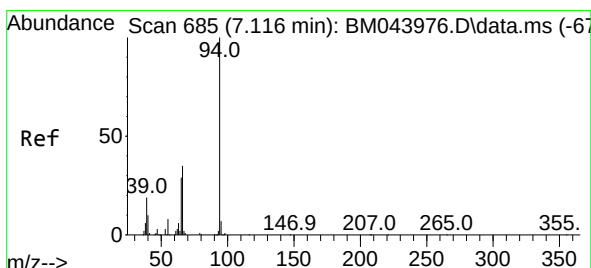
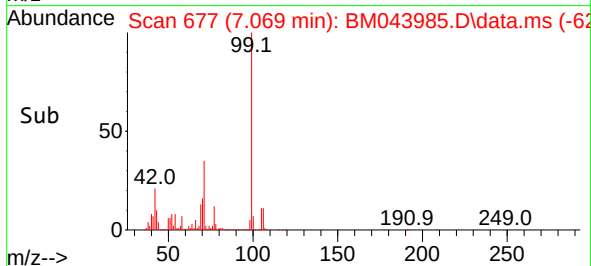
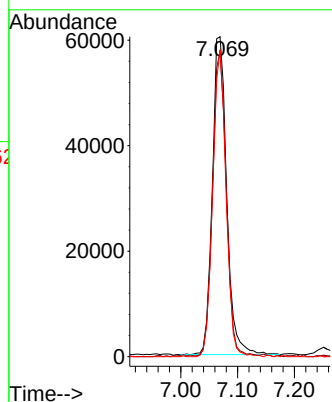
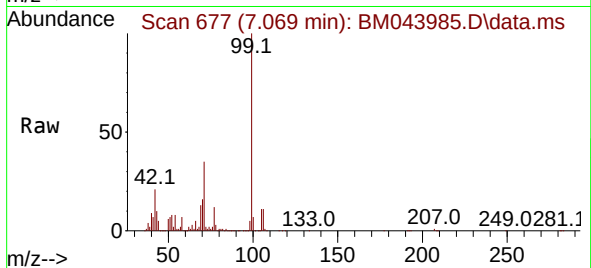
#9
Benzaldehyde
Concen: 3.490 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

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

Tgt Ion: 77 Resp: 10562
Ion Ratio Lower Upper
77 100
105 95.5 77.4 117.4
106 95.8 73.5 113.5

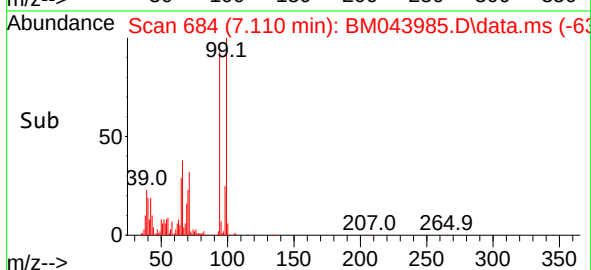
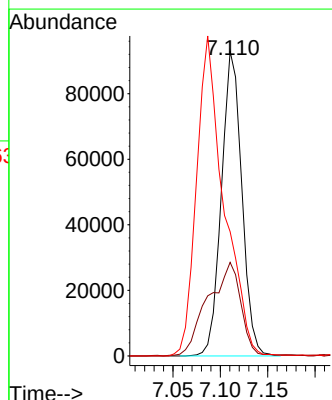
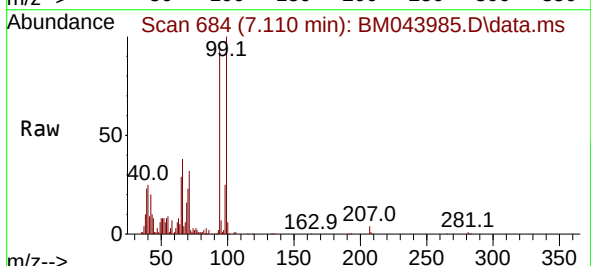
Manual Integrations
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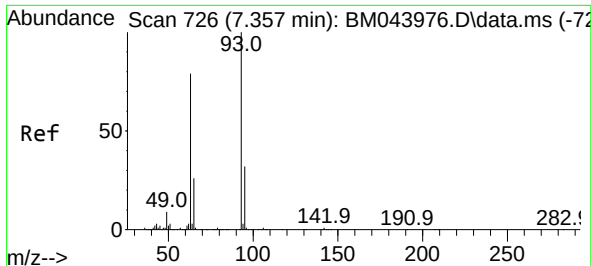
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#10
Phenol
Concen: 4.804 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

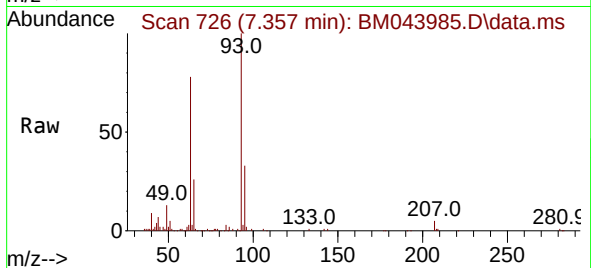
Tgt Ion: 94 Resp: 139437
Ion Ratio Lower Upper
94 100
65 30.7 9.3 49.3
66 40.8 15.7 55.7





#11
bis(2-Chloroethyl)ether
Concen: 4.926 ng
RT: 7.357 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

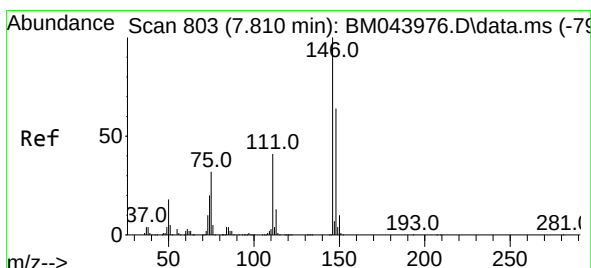
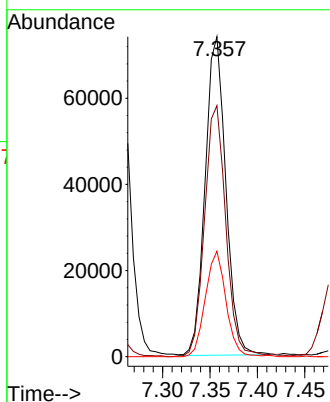
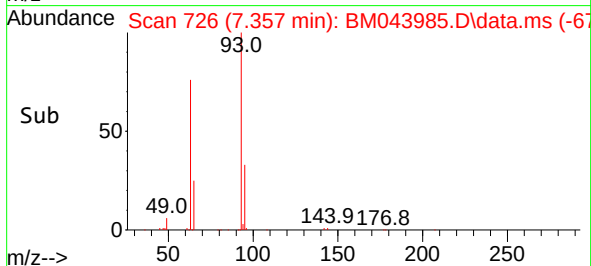
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



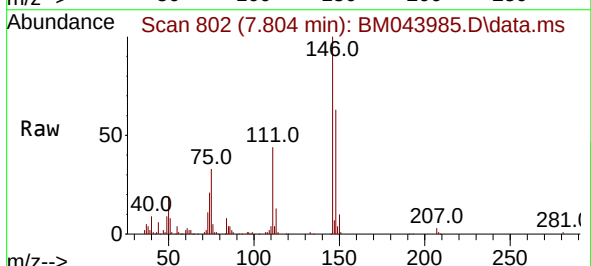
Tgt Ion: 93 Resp: 11205
Ion Ratio Lower Upper
93 100
63 78.5 59.0 99.0
95 32.9 11.9 51.9

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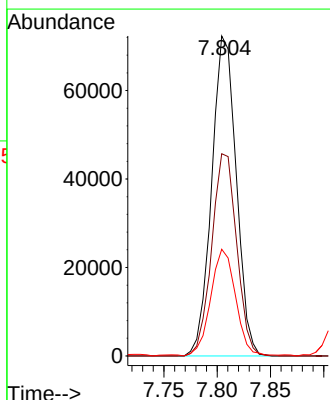
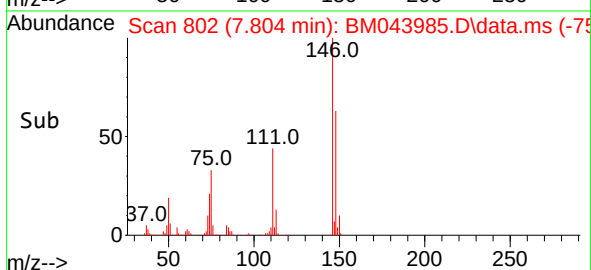
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

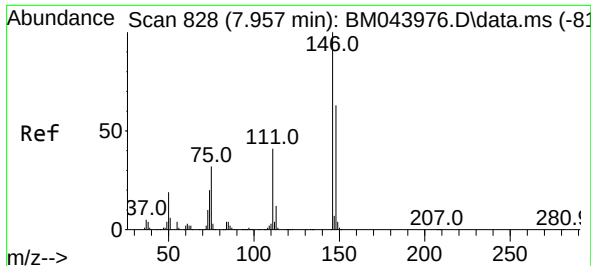


#12
1,3-Dichlorobenzene
Concen: 4.899 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



Tgt Ion:146 Resp: 116012
Ion Ratio Lower Upper
146 100
148 63.2 51.0 76.6
75 33.3 26.1 39.1





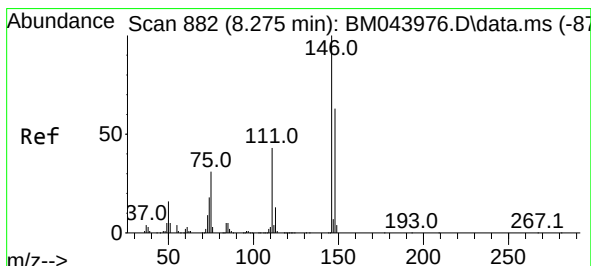
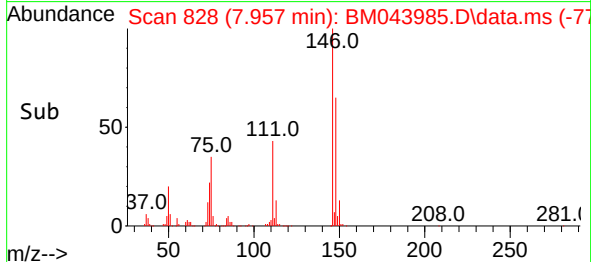
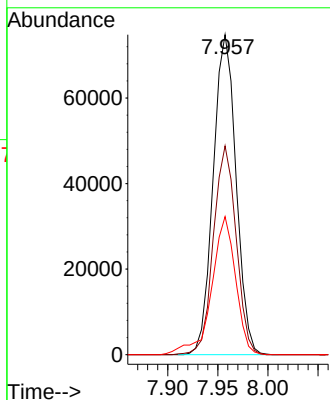
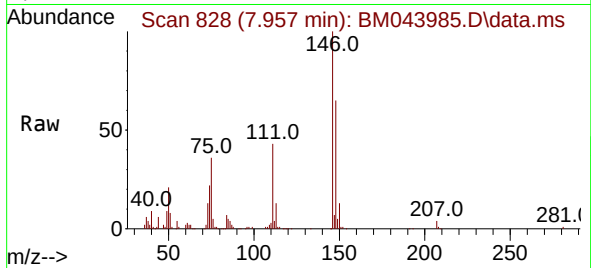
#13
1,4-Dichlorobenzene
Concen: 4.954 ng
RT: 7.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

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

Tgt Ion:146 Resp: 118630
Ion Ratio Lower Upper
146 100
148 65.2 50.7 76.1
111 43.2 32.6 49.0

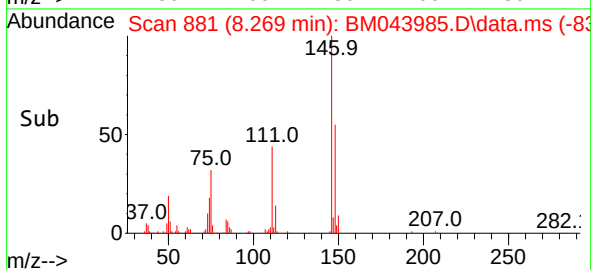
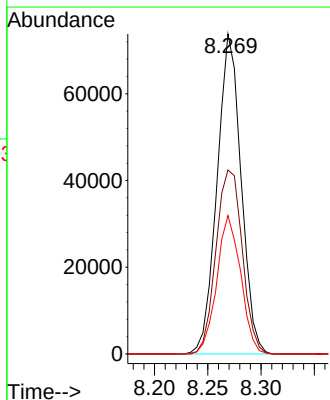
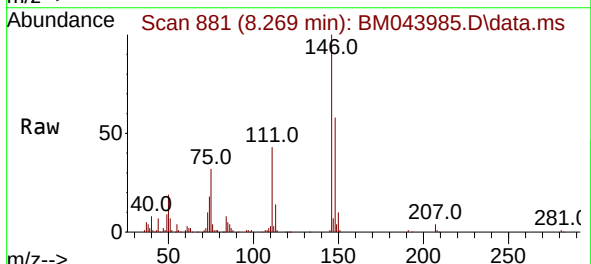
Manual Integrations
APPROVED

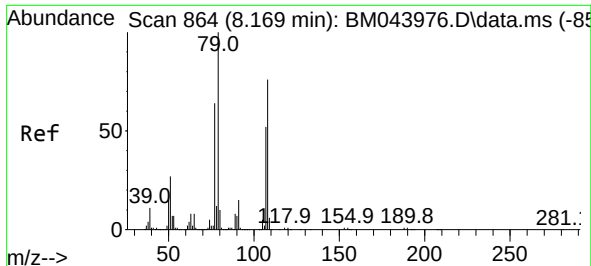
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#14
1,2-Dichlorobenzene
Concen: 4.894 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

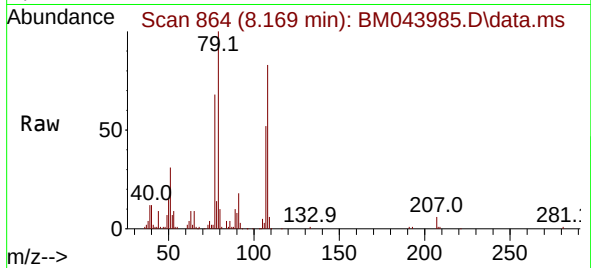
Tgt Ion:146 Resp: 115601
Ion Ratio Lower Upper
146 100
148 57.5 50.3 75.5
111 43.2 34.3 51.5





#15
Benzyl Alcohol
Concen: 4.658 ng
RT: 8.169 min Scan# 864
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

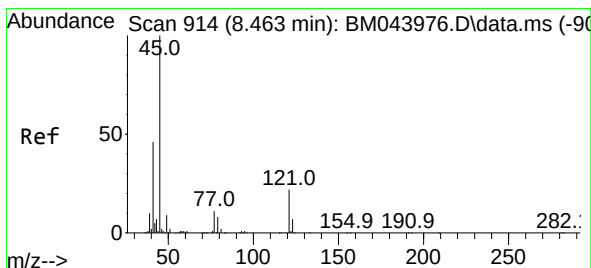
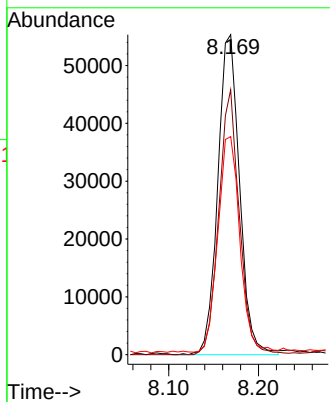
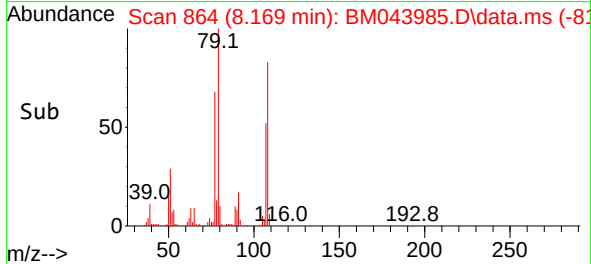
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



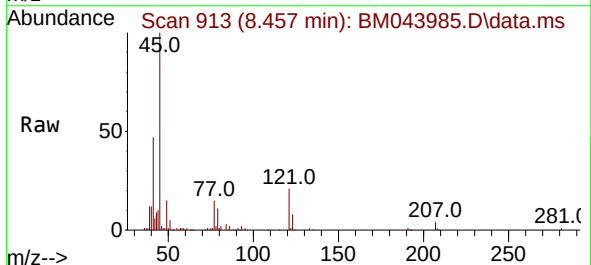
Tgt Ion: 79 Resp: 9319
Ion Ratio Lower Upper
79 100
108 82.8 60.7 91.1
77 68.2 50.9 76.3

Manual Integrations
APPROVED

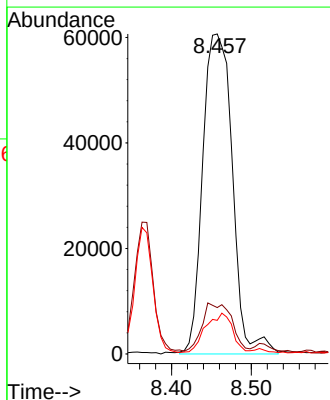
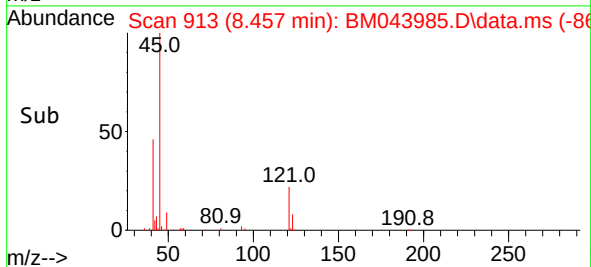
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

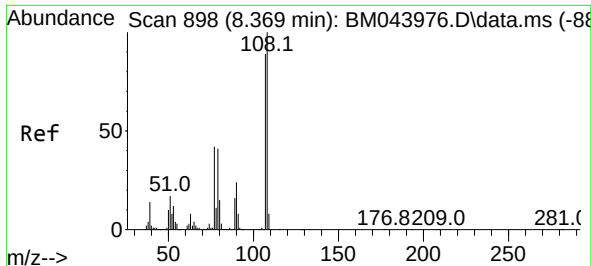


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.140 ng m
RT: 8.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



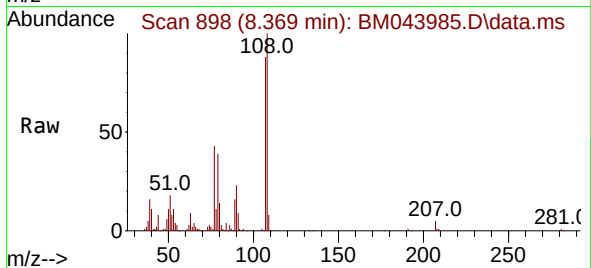
Tgt Ion: 45 Resp: 156775
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.4
79 10.5 0.0 31.2





#17
2-Methylphenol
Concen: 4.397 ng
RT: 8.369 min Scan# 898
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

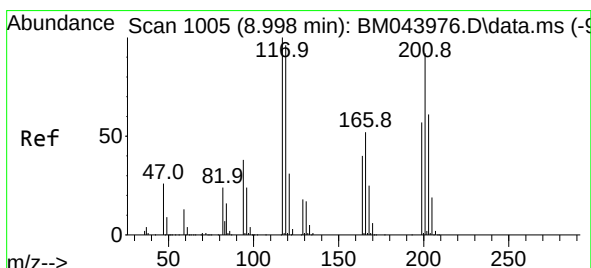
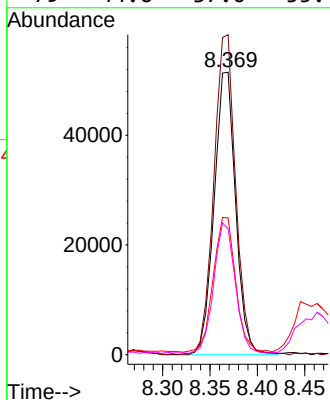
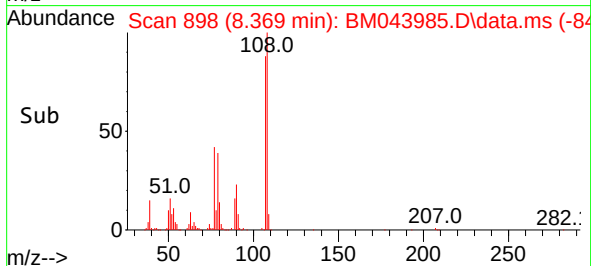
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:	107	Resp:	81570
Ion Ratio	Lower	Upper	
107	100		
108	113.3	90.4	135.6
77	48.5	38.0	57.0
79	44.6	37.0	55.4

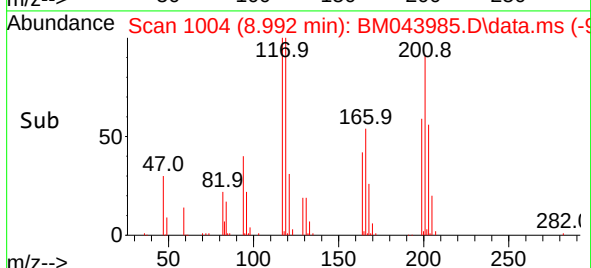
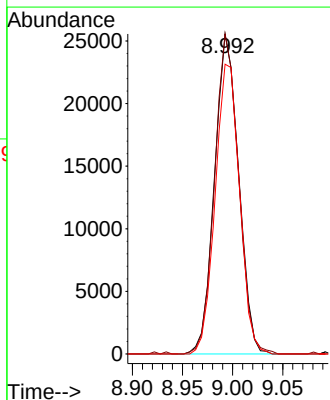
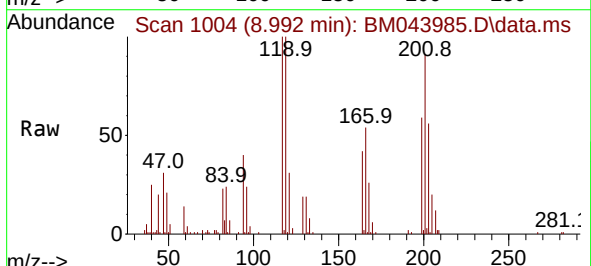
Manual Integrations
APPROVED

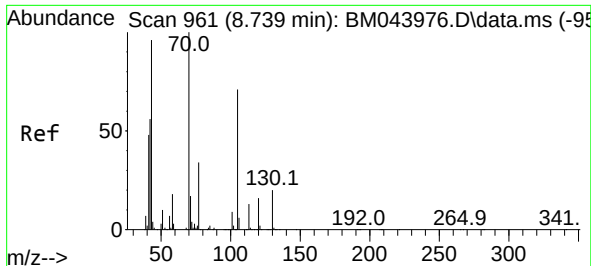
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#18
Hexachloroethane
Concen: 4.738 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

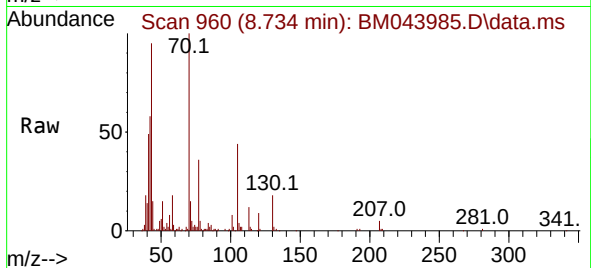
Tgt Ion:	117	Resp:	42583
Ion Ratio	Lower	Upper	
117	100		
119	100.0	76.7	115.1
201	90.6	73.4	110.2





#19
n-Nitroso-di-n-propylamine
Concen: 4.670 ng
RT: 8.734 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

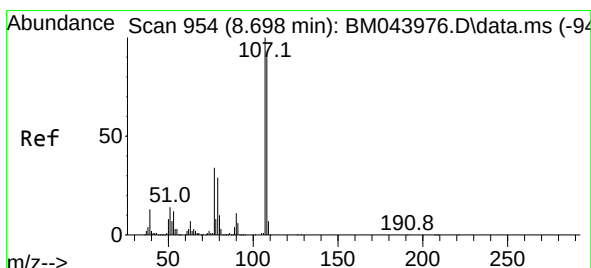
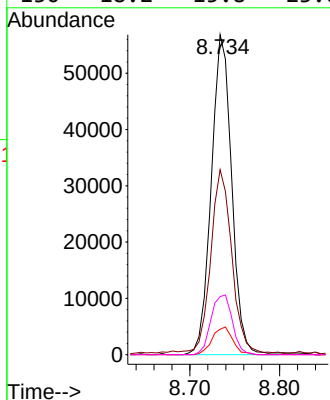
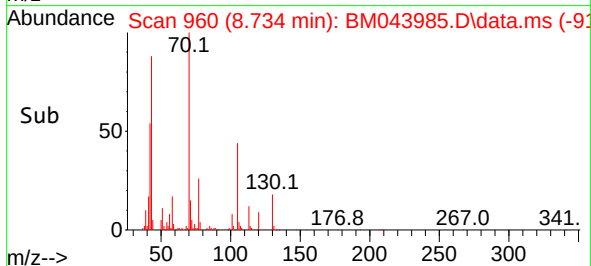
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 70 Resp: 8970
Ion Ratio Lower Upper
70 100
42 57.8 45.6 68.4
101 8.0 7.5 11.3
130 18.2 15.8 23.6

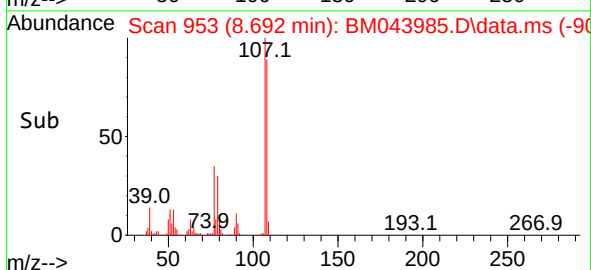
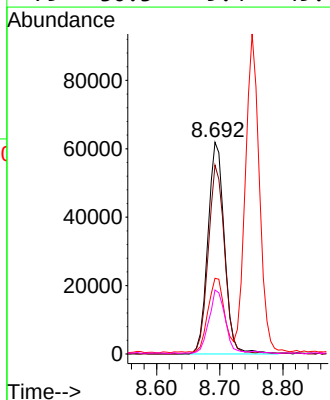
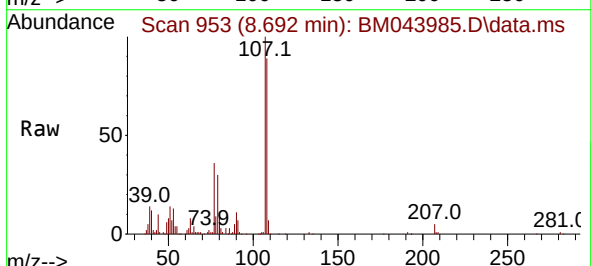
Manual Integrations
APPROVED

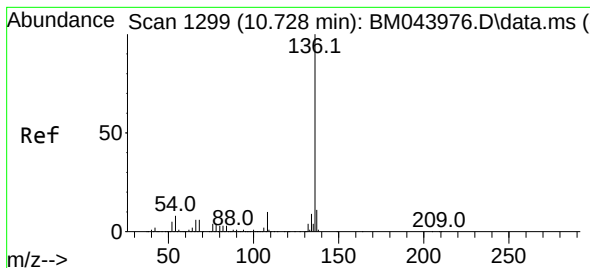
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#20
3+4-Methylphenols
Concen: 4.306 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

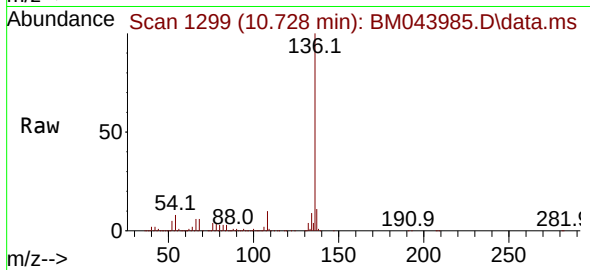
Tgt Ion:107 Resp: 112759
Ion Ratio Lower Upper
107 100
108 89.2 70.3 110.3
77 35.8 14.0 54.0
79 30.3 9.4 49.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1299
Delta R.T. -0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

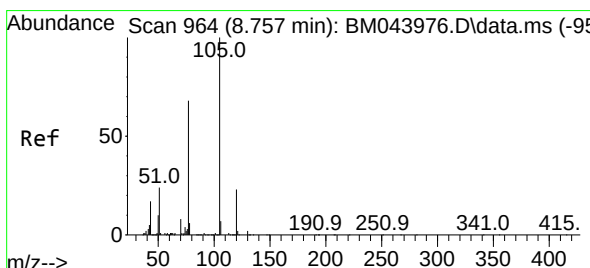
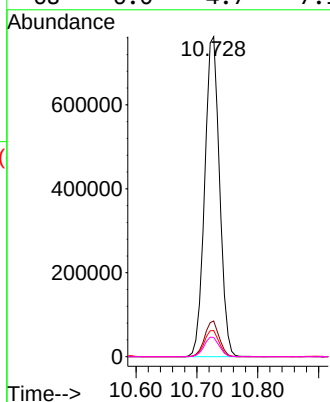
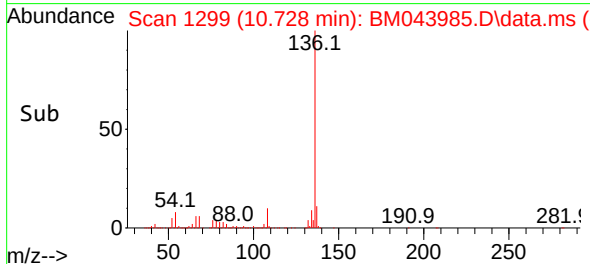
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:136 Resp: 1291030
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.1 6.5 9.7
68 6.0 4.7 7.1

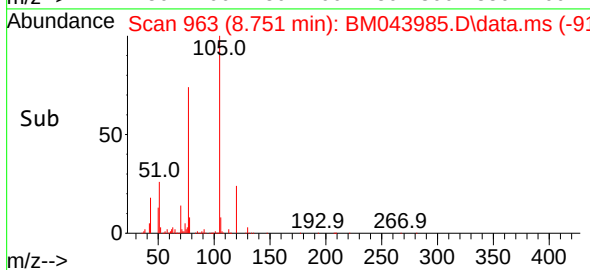
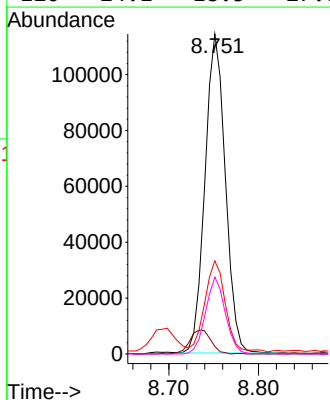
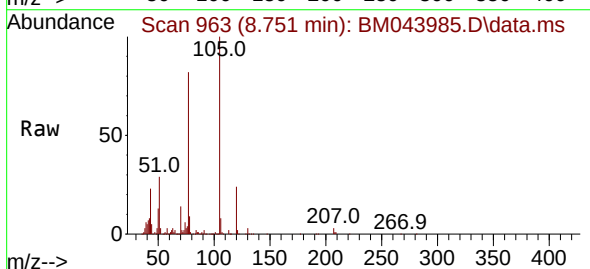
Manual Integrations
APPROVED

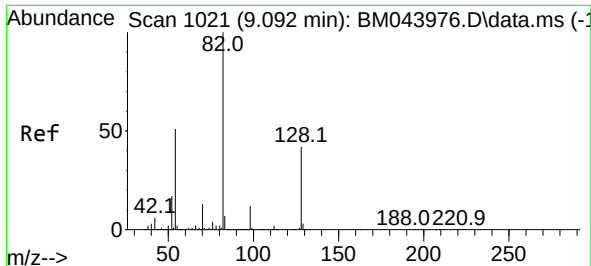
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#22
Acetophenone
Concen: 5.139 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:105 Resp: 179785
Ion Ratio Lower Upper
105 100
71 2.4 1.6 2.4
51 29.1 21.8 32.6
120 24.1 18.5 27.7





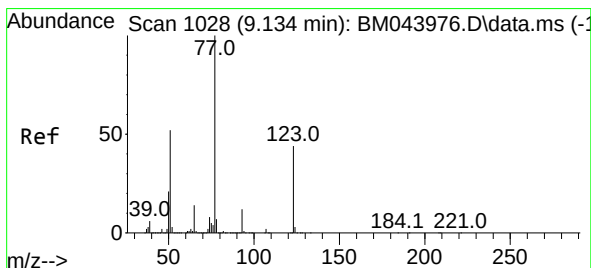
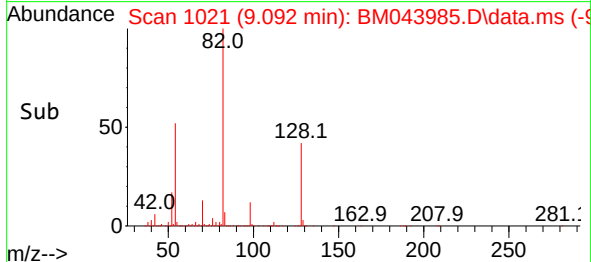
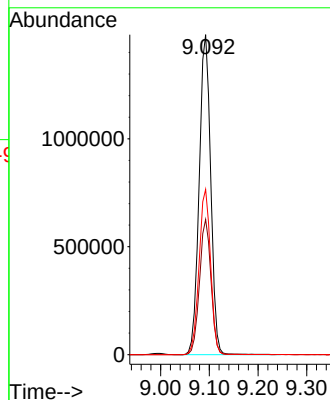
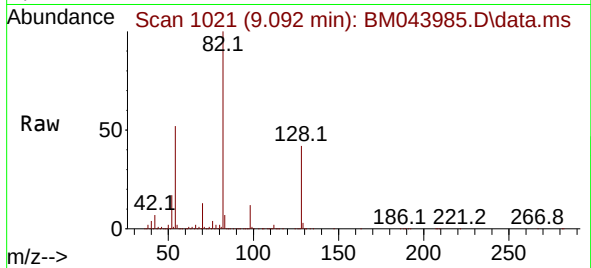
#23
Nitrobenzene-d5
Concen: 91.246 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

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

Tgt Ion: 82 Resp: 2443754
Ion Ratio Lower Upper
82 100
128 42.3 33.9 50.9
54 51.6 41.1 61.7

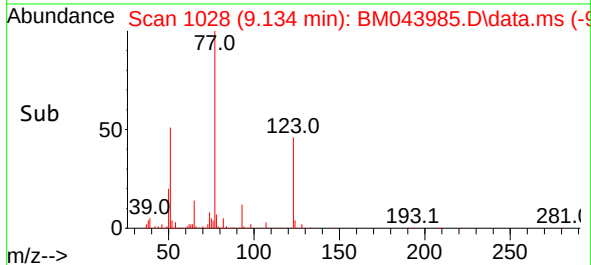
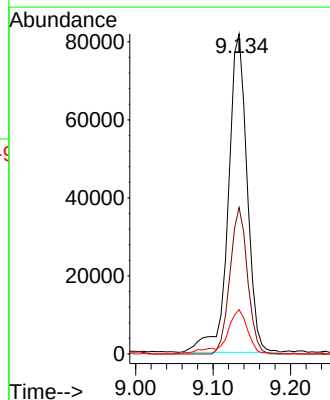
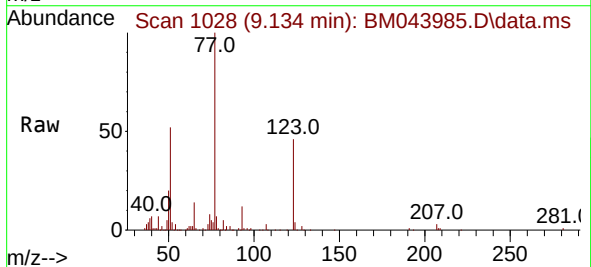
Manual Integrations
APPROVED

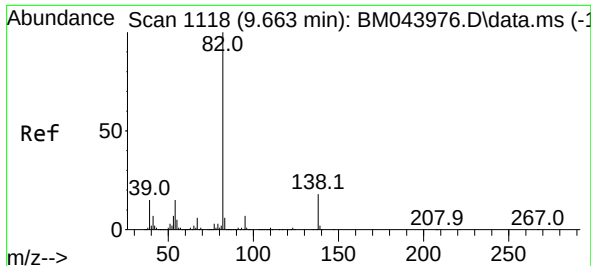
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#24
Nitrobenzene
Concen: 5.147 ng
RT: 9.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

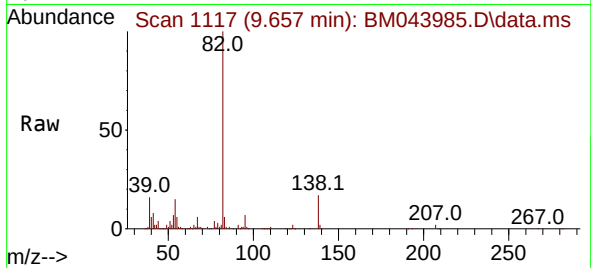
Tgt Ion: 77 Resp: 138310
Ion Ratio Lower Upper
77 100
123 45.7 35.3 52.9
65 13.9 10.9 16.3





#25
Isophorone
Concen: 4.611 ng
RT: 9.657 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

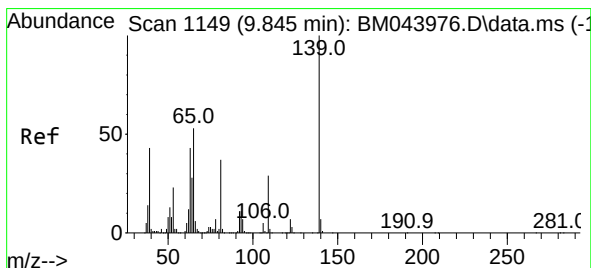
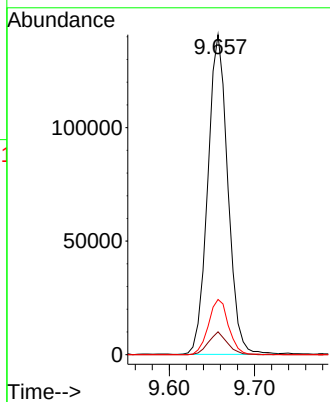
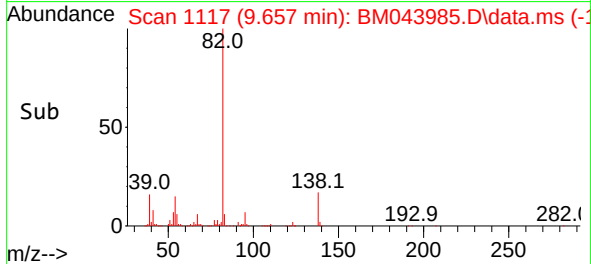
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 82 Resp: 229910
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.3 14.2 21.2

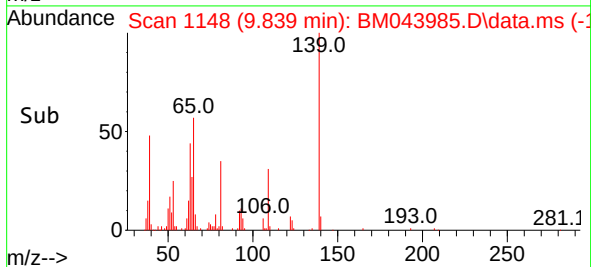
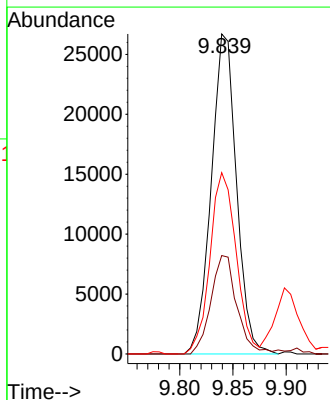
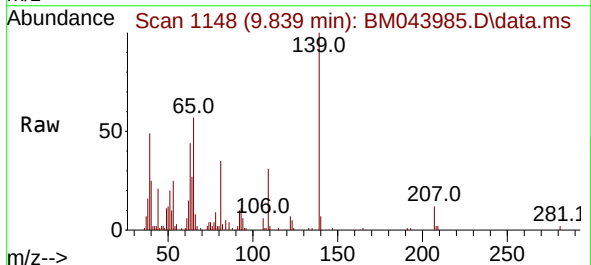
Manual Integrations
APPROVED

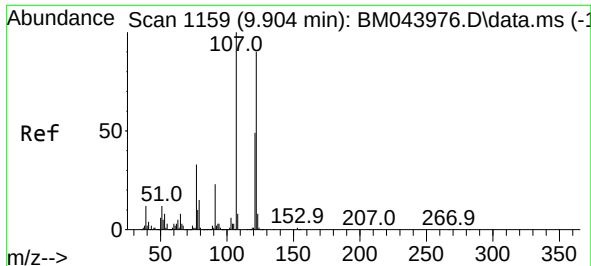
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#26
2-Nitrophenol
Concen: 4.047 ng
RT: 9.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

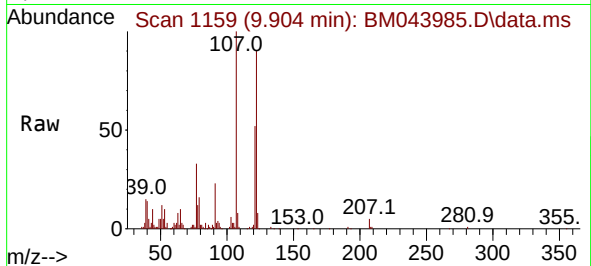
Tgt Ion:139 Resp: 43952
Ion Ratio Lower Upper
139 100
109 30.8 23.3 34.9
65 56.6 42.5 63.7





#27
2,4-Dimethylphenol
Concen: 5.175 ng
RT: 9.904 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

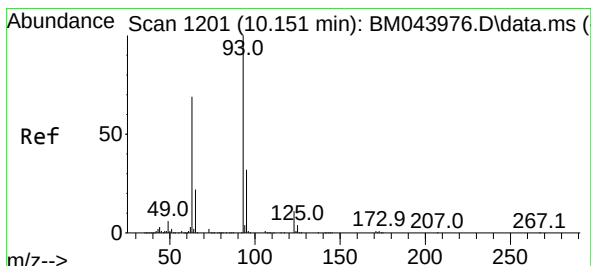
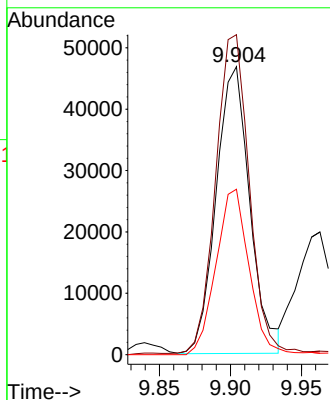
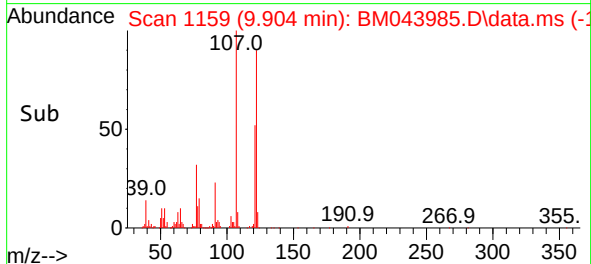
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:122 Resp: 77169
Ion Ratio Lower Upper
122 100
107 111.1 89.0 133.4
121 57.4 43.4 65.0

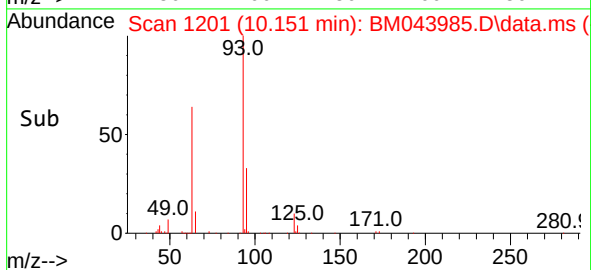
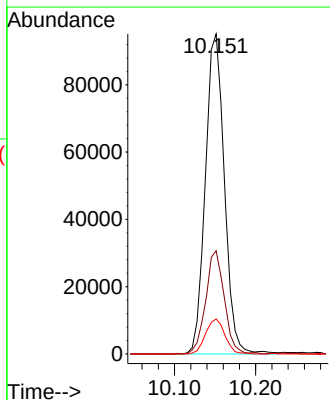
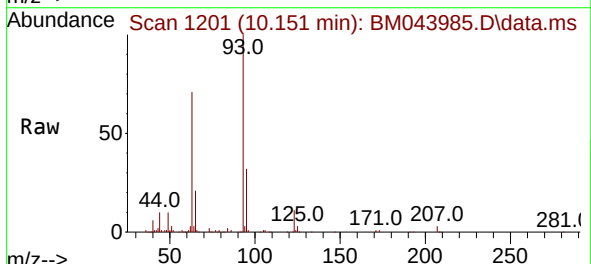
Manual Integrations
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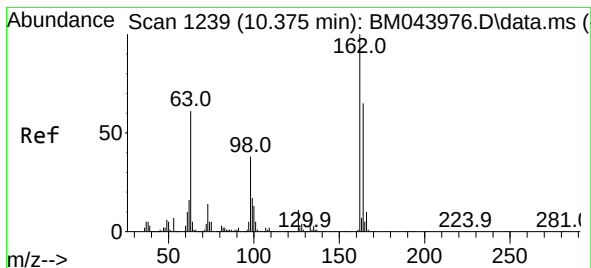
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#28
bis(2-Chloroethoxy)methane
Concen: 5.082 ng
RT: 10.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

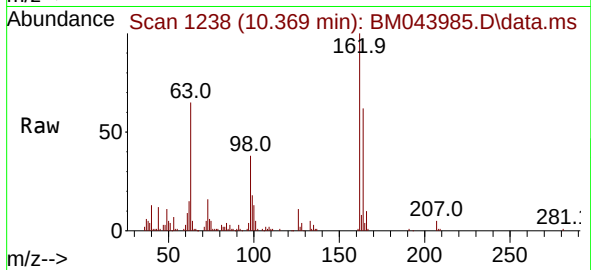
Tgt Ion: 93 Resp: 154721
Ion Ratio Lower Upper
93 100
95 32.2 25.9 38.9
123 11.0 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 4.413 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

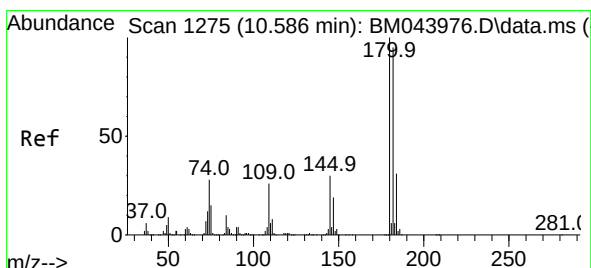
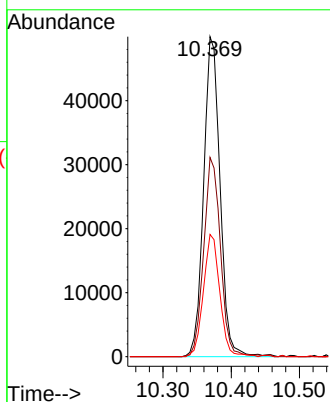
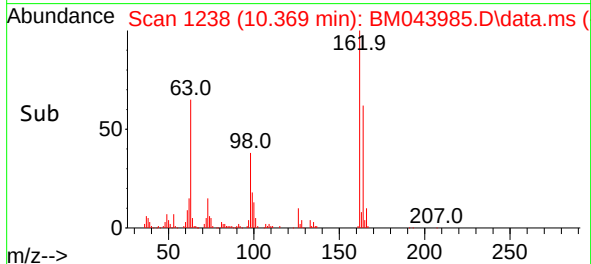
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:162 Resp: 8393
Ion Ratio Lower Upper
162 100
164 62.2 45.1 85.1
98 38.2 17.8 57.8

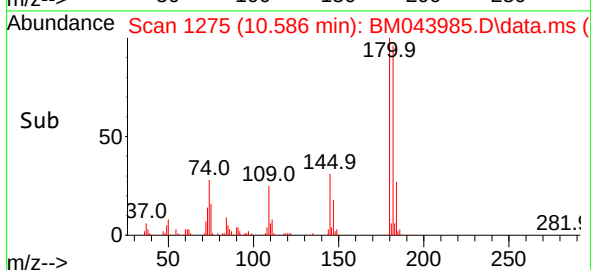
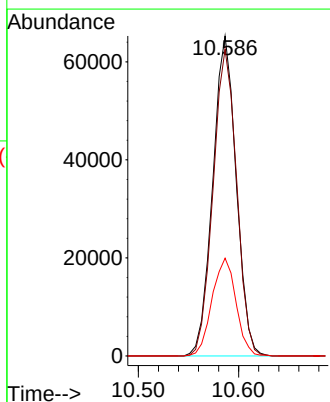
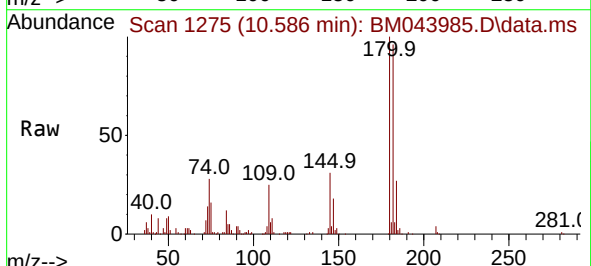
Manual Integrations
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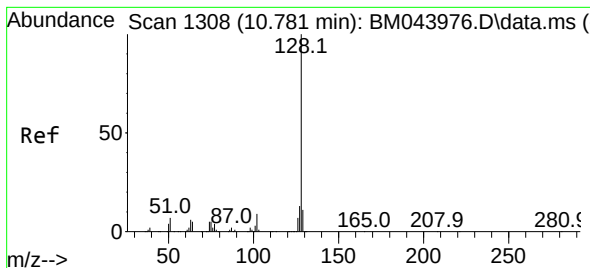
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#30
1,2,4-Trichlorobenzene
Concen: 4.929 ng
RT: 10.586 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

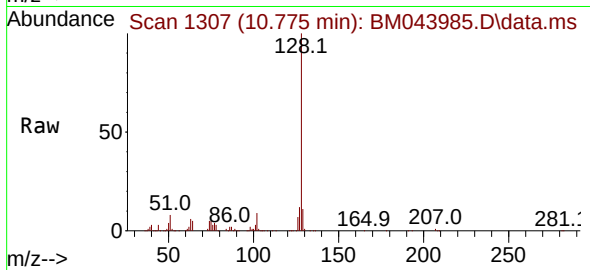
Tgt Ion:180 Resp: 105896
Ion Ratio Lower Upper
180 100
182 95.8 76.0 114.0
145 30.5 24.2 36.2





#31
Naphthalene
Concen: 4.948 ng
RT: 10.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

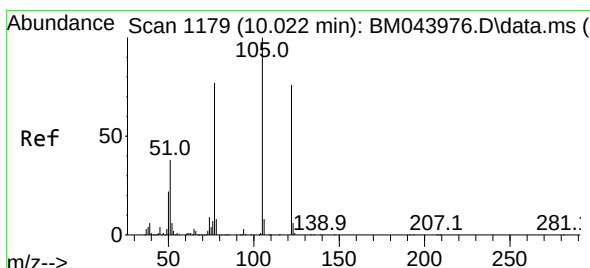
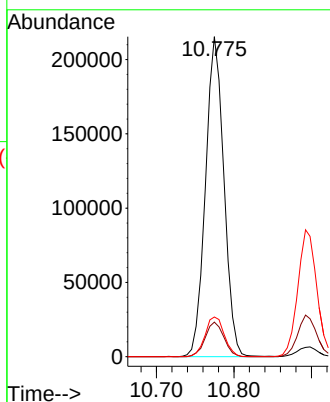
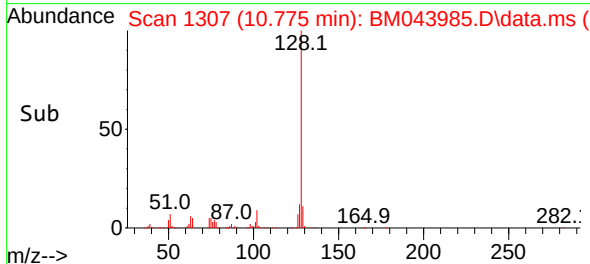
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



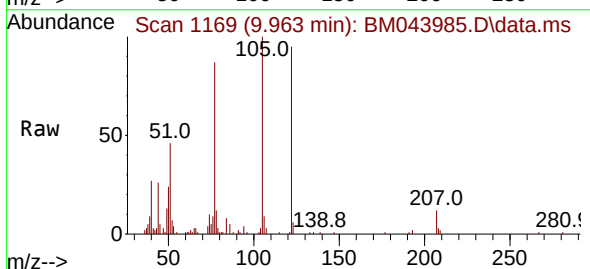
Tgt Ion:128 Resp: 35606
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 12.4 10.1 15.1

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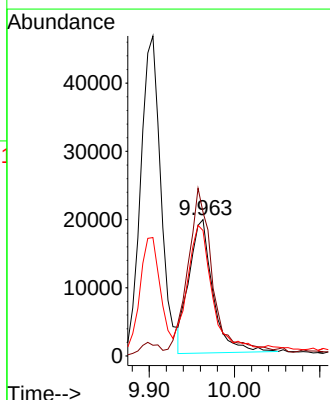
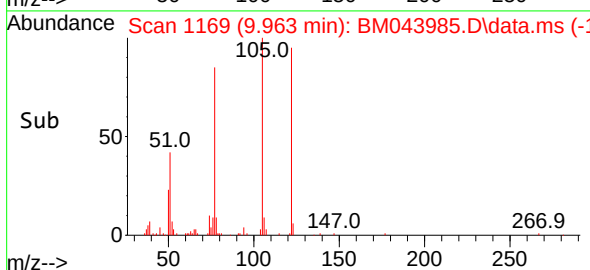
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

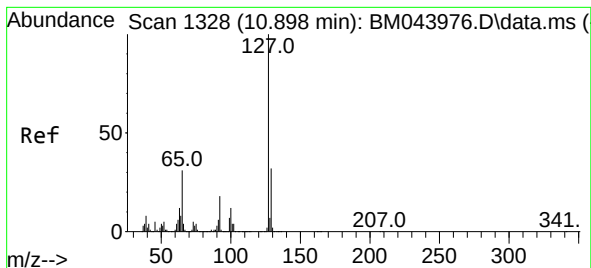


#32
Benzoic acid
Concen: 8.680 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.059 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



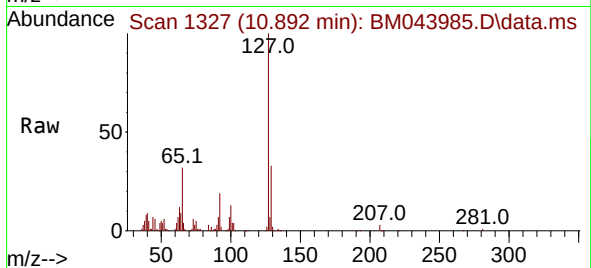
Tgt Ion:122 Resp: 38039
Ion Ratio Lower Upper
122 100
105 105.5 109.4 149.4#
77 92.0 80.5 120.5





#33
4-Chloroaniline
Concen: 4.971 ng
RT: 10.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

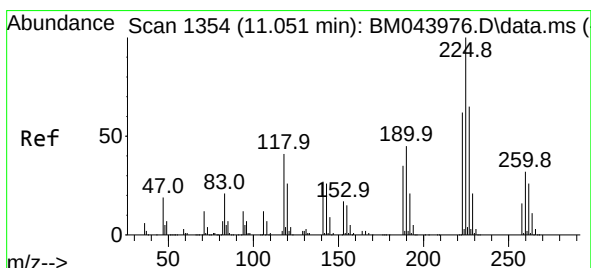
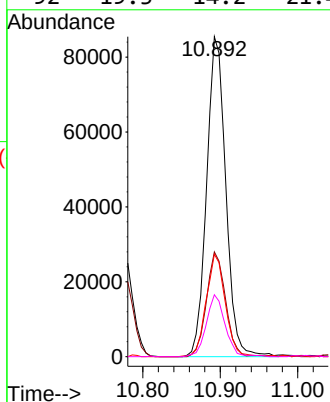
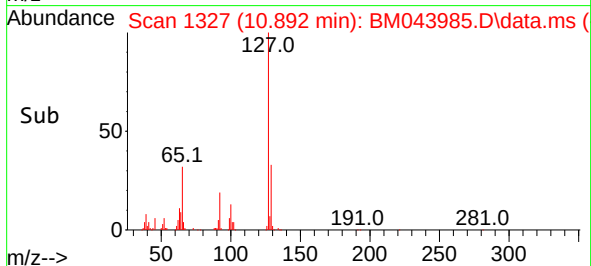
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:127 Resp: 147030
Ion Ratio Lower Upper
127 100
129 32.7 25.6 38.4
65 32.0 24.5 36.7
92 19.3 14.2 21.4

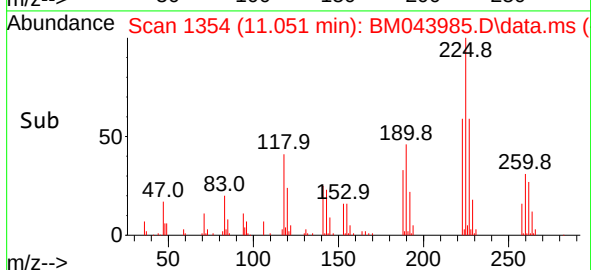
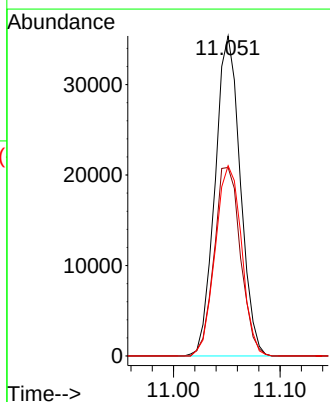
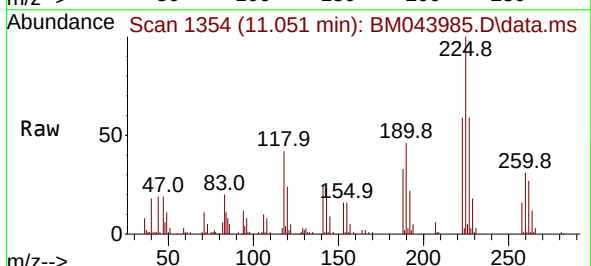
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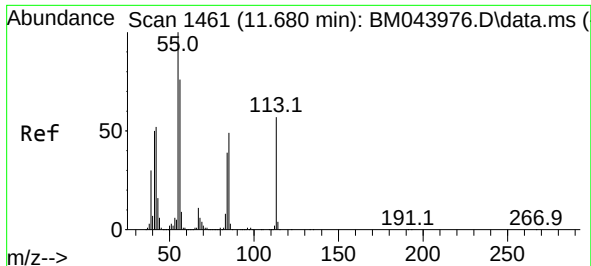
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#34
Hexachlorobutadiene
Concen: 4.972 ng
RT: 11.051 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

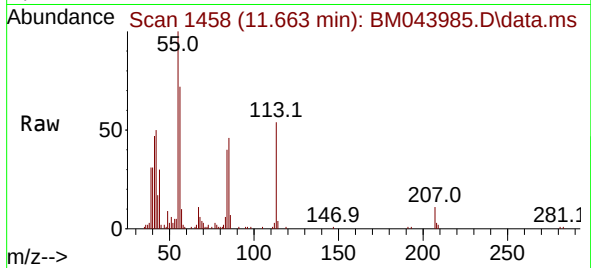
Tgt Ion:225 Resp: 58253
Ion Ratio Lower Upper
225 100
223 58.9 49.8 74.8
227 59.4 51.7 77.5





#35
Caprolactam
Concen: 3.760 ng m
RT: 11.663 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

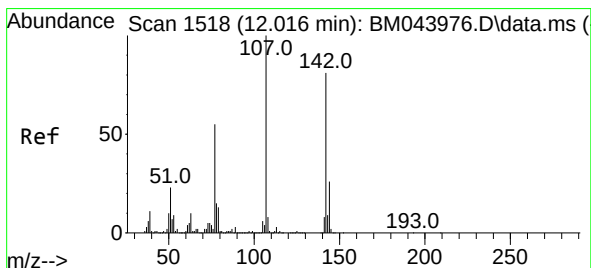
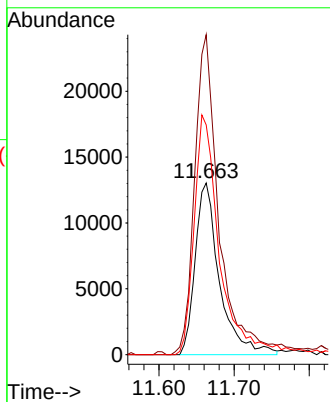
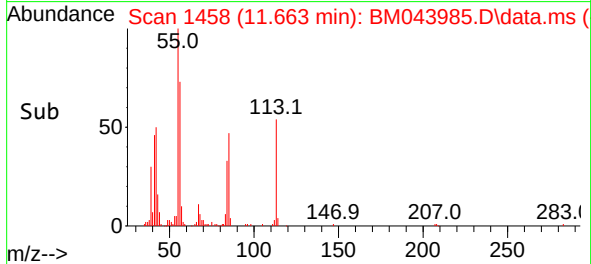
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:113 Resp: 29324
Ion Ratio Lower Upper
113 100
55 186.4 154.3 194.3
56 133.8 112.2 152.2

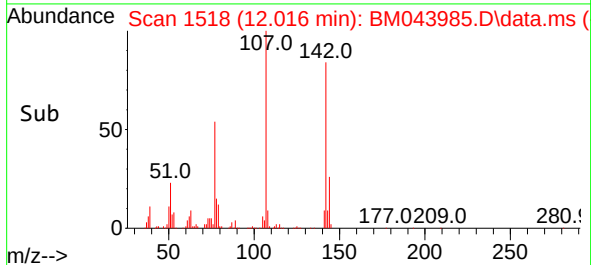
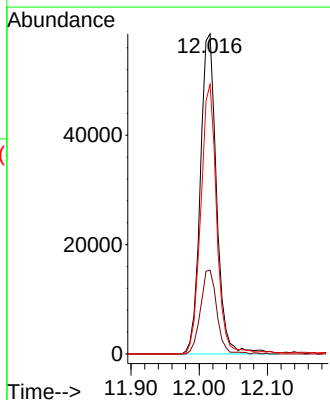
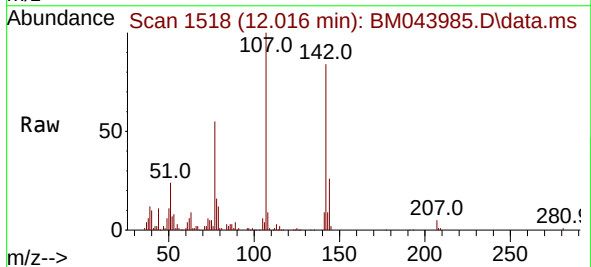
Manual Integrations
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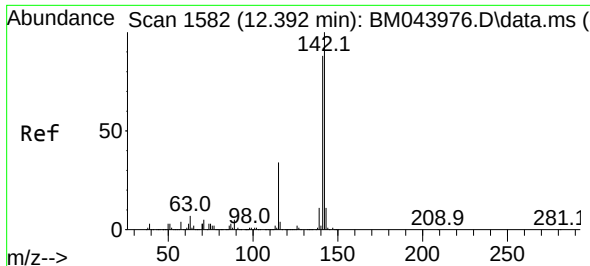
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#36
4-Chloro-3-methylphenol
Concen: 4.176 ng
RT: 12.016 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

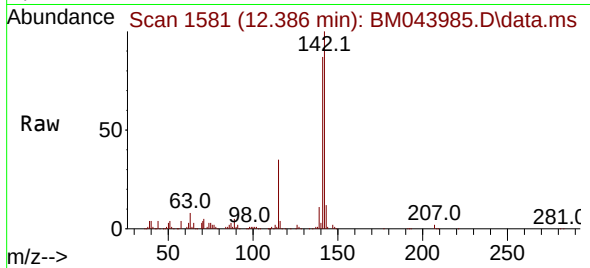
Tgt Ion:107 Resp: 97256
Ion Ratio Lower Upper
107 100
144 26.2 21.1 31.7
142 84.2 65.0 97.4





#37
2-Methylnaphthalene
Concen: 4.723 ng
RT: 12.386 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

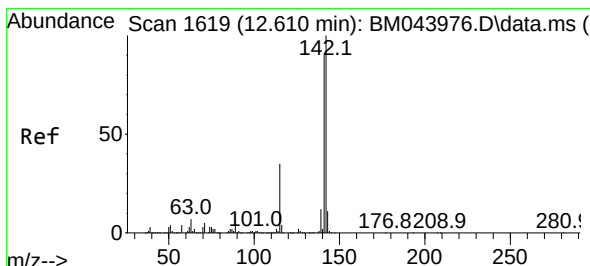
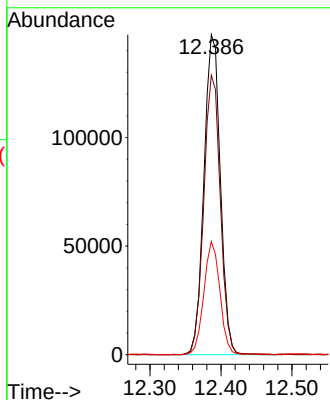
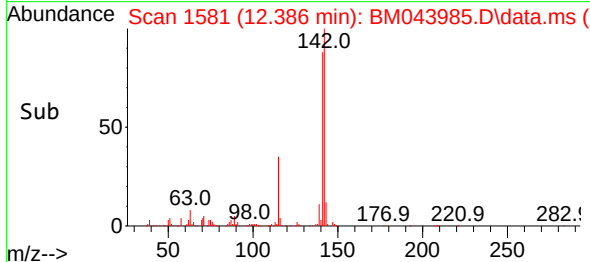
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



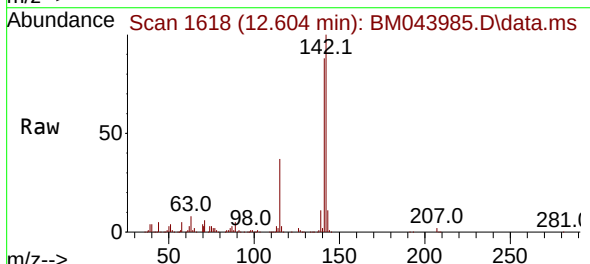
Tgt Ion:142 Resp: 237020
Ion Ratio Lower Upper
142 100
141 87.3 70.2 105.2
115 35.4 27.2 40.8

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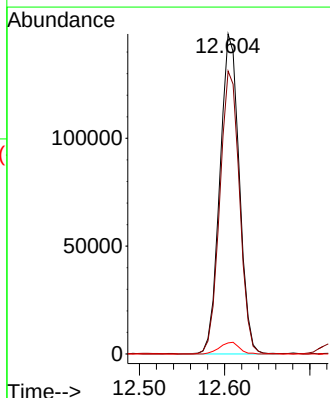
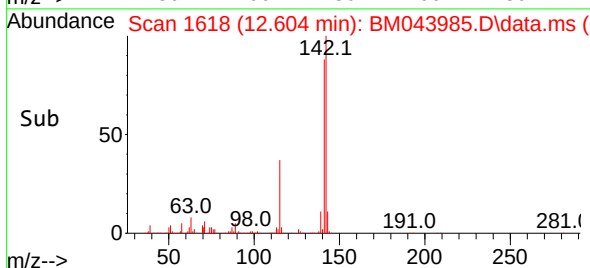
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

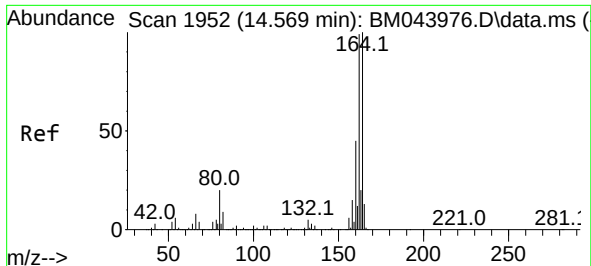


#38
1-Methylnaphthalene
Concen: 4.685 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



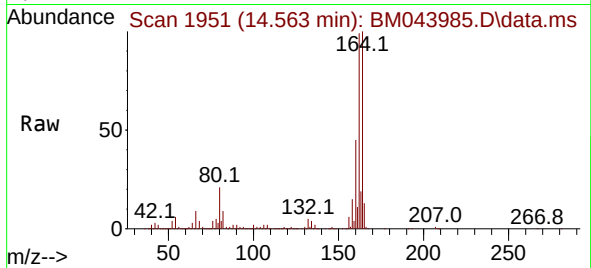
Tgt Ion:142 Resp: 234685
Ion Ratio Lower Upper
142 100
141 88.4 72.1 108.1
116 3.5 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

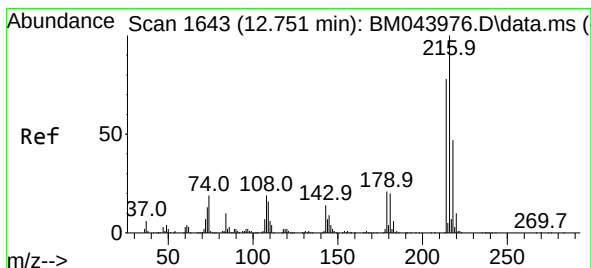
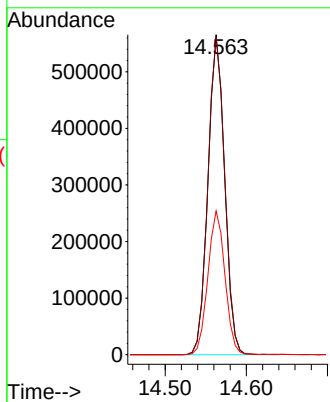
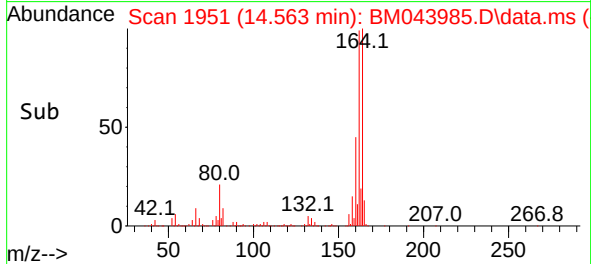
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



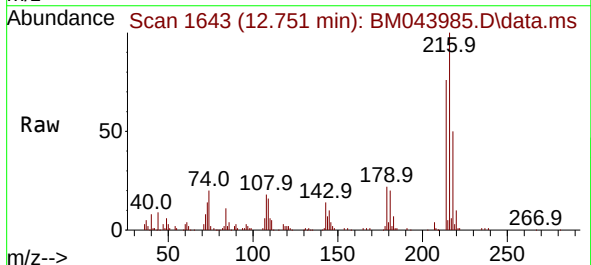
Tgt Ion:164 Resp: 80359
Ion Ratio Lower Upper
164 100
162 99.3 79.0 118.4
160 44.9 35.8 53.8

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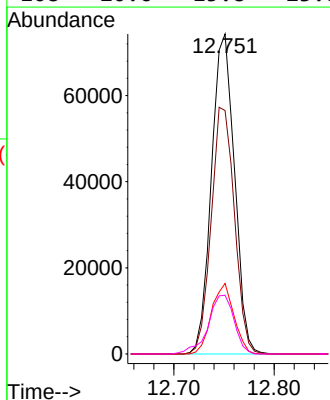
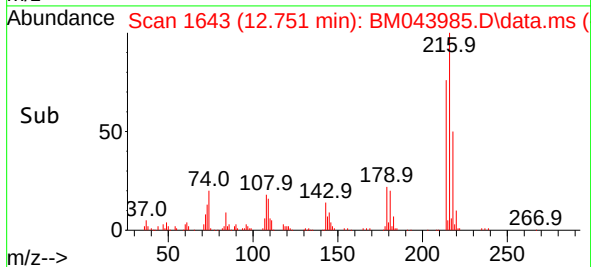
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

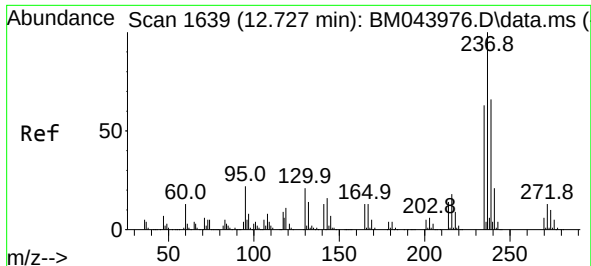


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.194 ng
RT: 12.751 min Scan# 1643
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



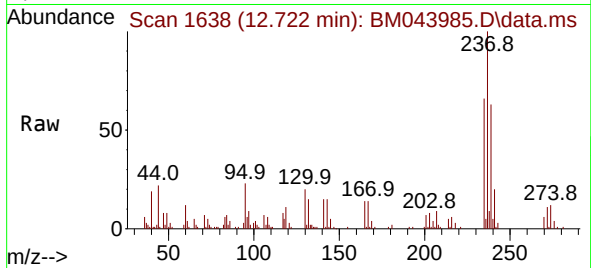
Tgt Ion:216 Resp: 118386
Ion Ratio Lower Upper
216 100
214 77.6 62.6 94.0
179 21.4 16.7 25.1
108 20.6 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 6.174 ng
RT: 12.722 min Scan# 1638
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

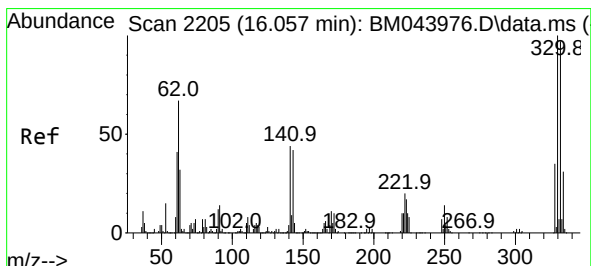
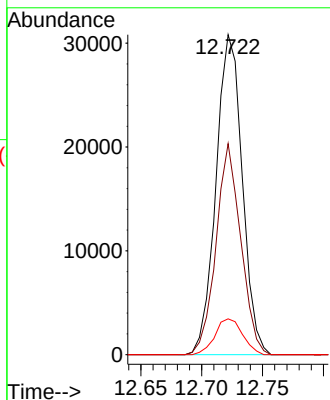
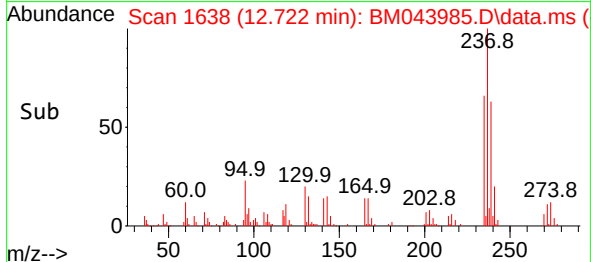
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:237 Resp: 4627
Ion Ratio Lower Upper
237 100
235 66.0 43.5 83.5
272 11.2 0.0 33.2

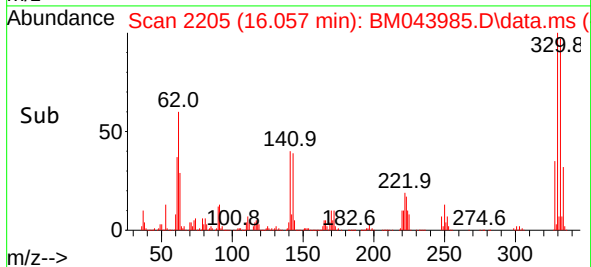
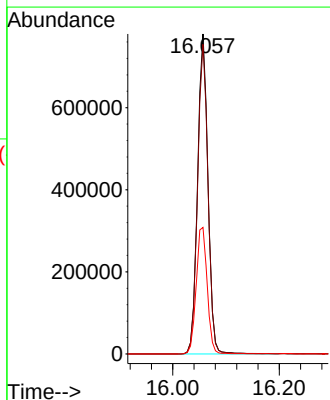
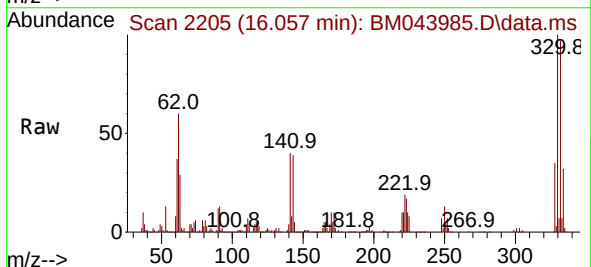
Manual Integrations
APPROVED

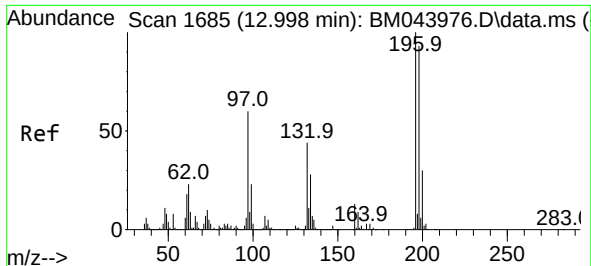
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#42
2,4,6-Tribromophenol
Concen: 107.984 ng
RT: 16.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

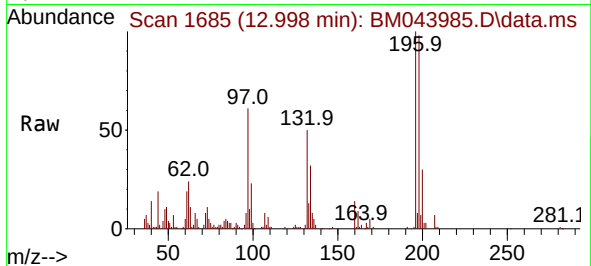
Tgt Ion:330 Resp: 1057775
Ion Ratio Lower Upper
330 100
332 96.9 77.6 116.4
141 42.0 33.5 50.3





#43
2,4,6-Trichlorophenol
Concen: 4.104 ng
RT: 12.998 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

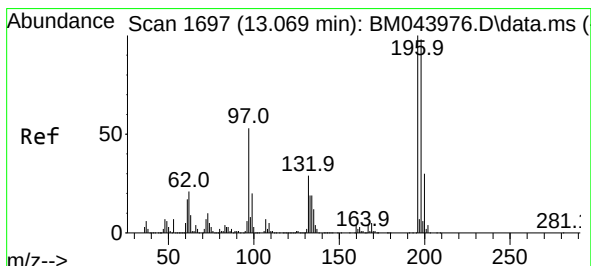
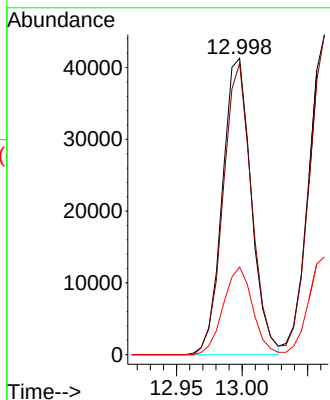
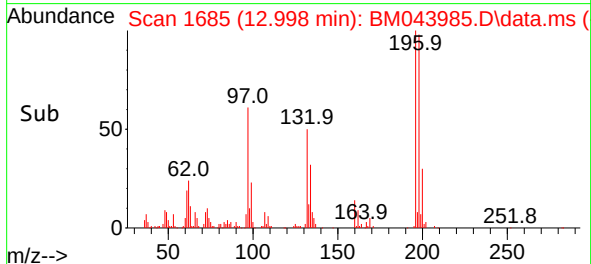
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



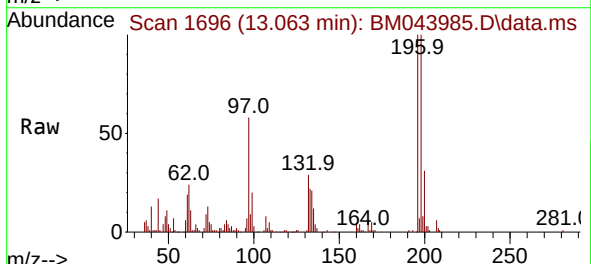
Tgt Ion:196 Resp: 63208
Ion Ratio Lower Upper
196 100
198 98.3 74.2 111.2
200 29.6 23.8 35.8

Manual Integrations
APPROVED

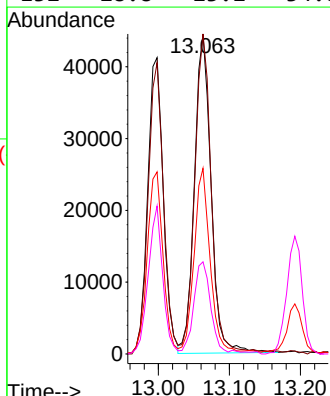
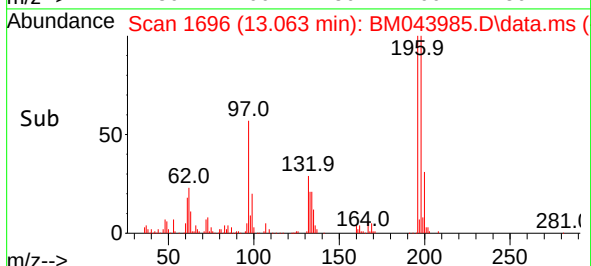
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

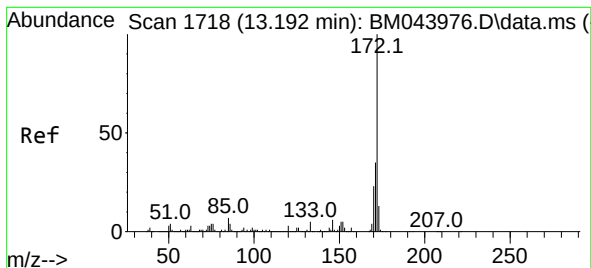


#44
2,4,5-Trichlorophenol
Concen: 4.137 ng
RT: 13.063 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



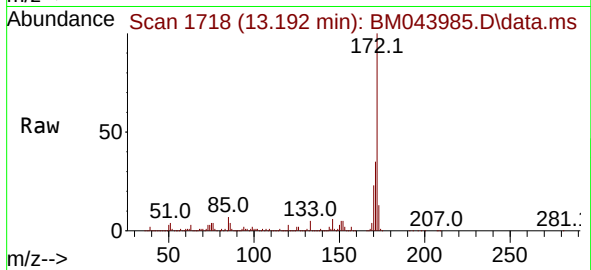
Tgt Ion:196 Resp: 72696
Ion Ratio Lower Upper
196 100
198 100.0 78.1 117.1
97 58.0 42.2 63.2
132 28.8 23.2 34.8





#45
2-Fluorobiphenyl
Concen: 92.358 ng
RT: 13.192 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

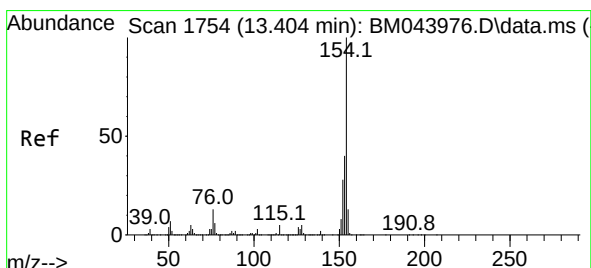
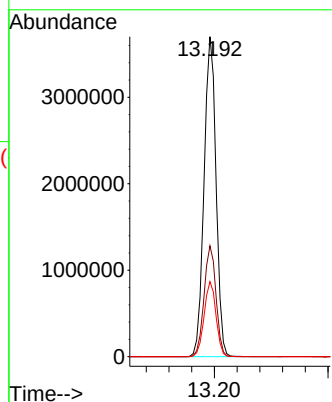
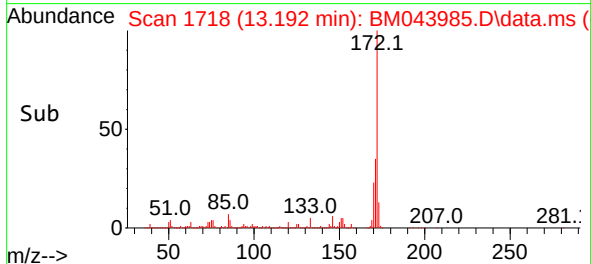
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:172 Resp: 540133
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.5 18.6 28.0

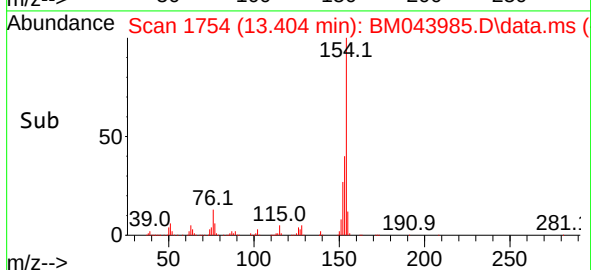
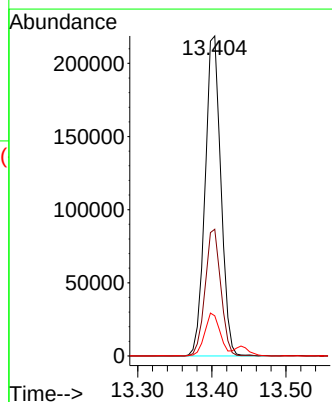
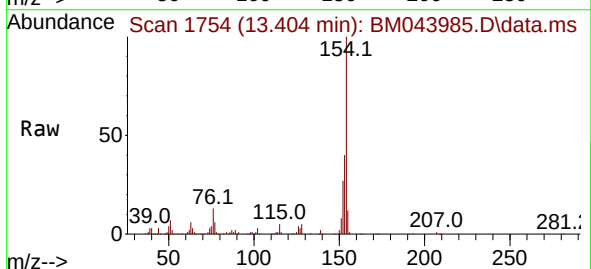
Manual Integrations
APPROVED

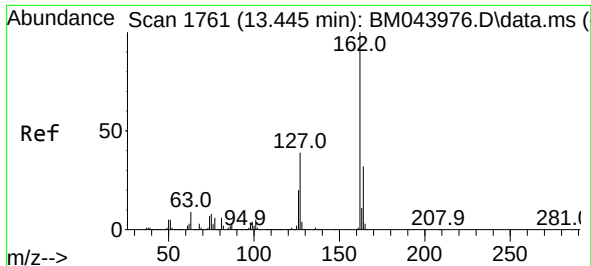
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#46
1,1'-Biphenyl
Concen: 5.126 ng
RT: 13.404 min Scan# 1754
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

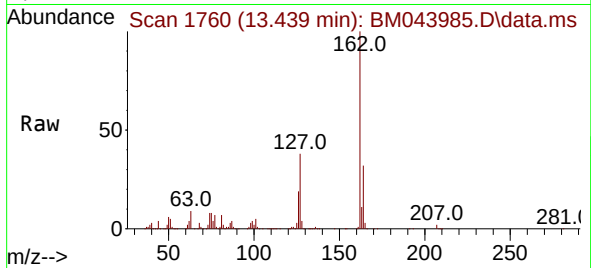
Tgt Ion:154 Resp: 323935
Ion Ratio Lower Upper
154 100
153 39.6 19.8 59.8
76 12.6 0.0 33.0





#47
2-Chloronaphthalene
Concen: 4.908 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

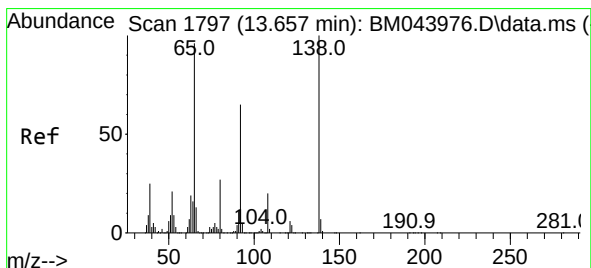
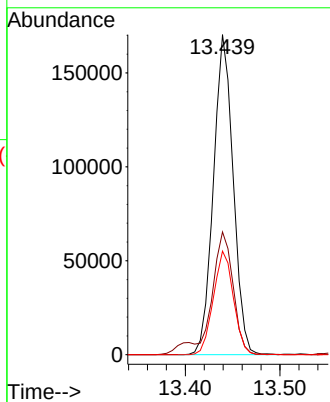
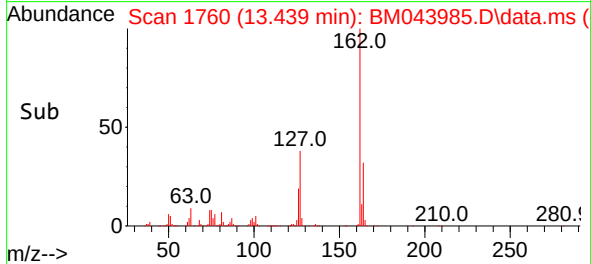
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:162 Resp: 247335
Ion Ratio Lower Upper
162 100
127 38.4 31.0 46.6
164 32.4 25.8 38.6

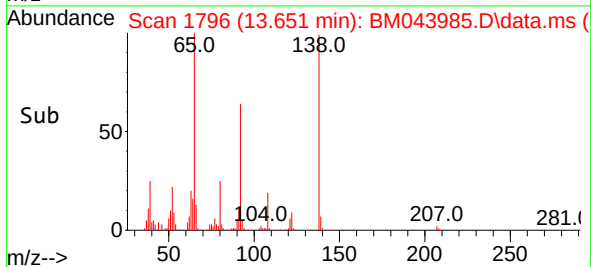
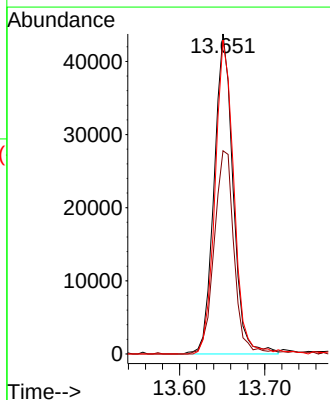
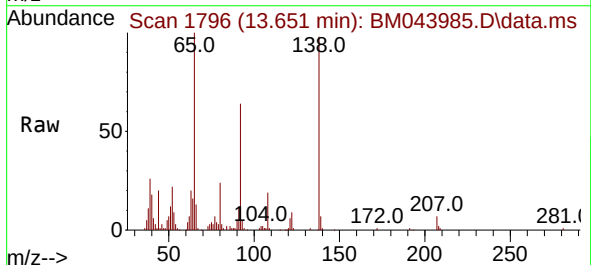
Manual Integrations
APPROVED

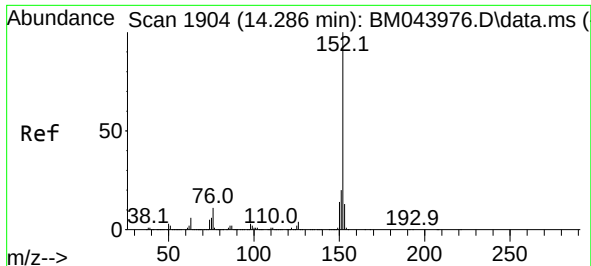
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#48
2-Nitroaniline
Concen: 4.134 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

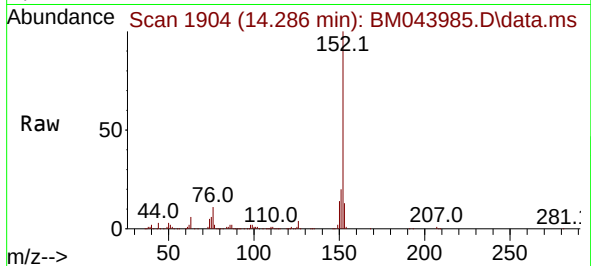
Tgt Ion: 65 Resp: 67760
Ion Ratio Lower Upper
65 100
92 63.5 53.6 80.4
138 98.1 83.0 124.6





#49
Acenaphthylene
Concen: 5.148 ng
RT: 14.286 min Scan# 1904
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

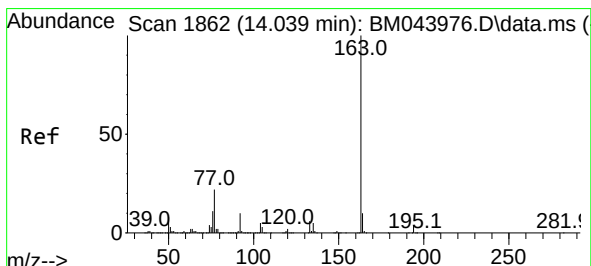
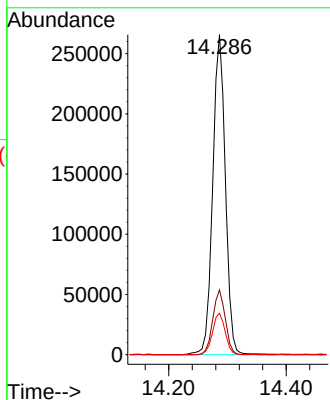
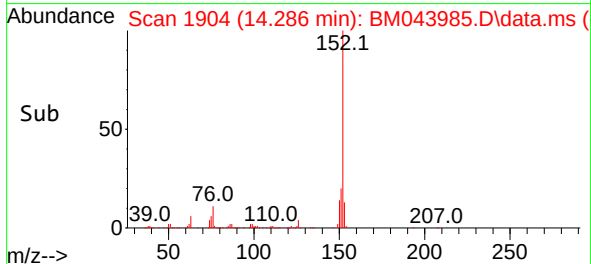
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



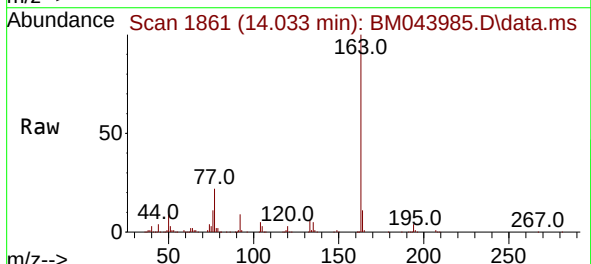
Tgt Ion:152 Resp: 39659
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.0 10.4 15.6

Manual Integrations
APPROVED

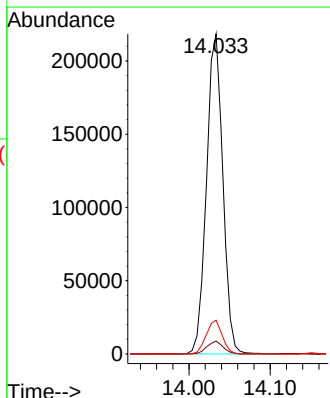
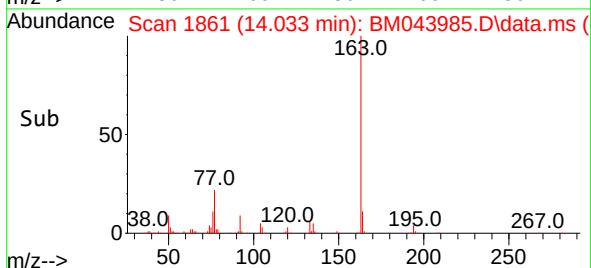
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

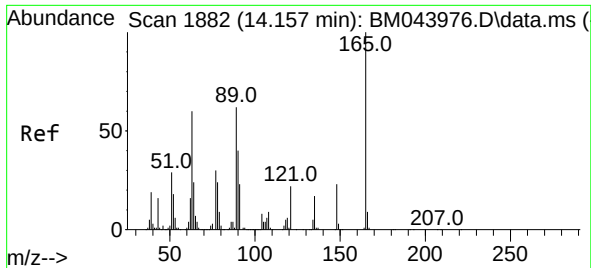


#50
Dimethylphthalate
Concen: 4.883 ng
RT: 14.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



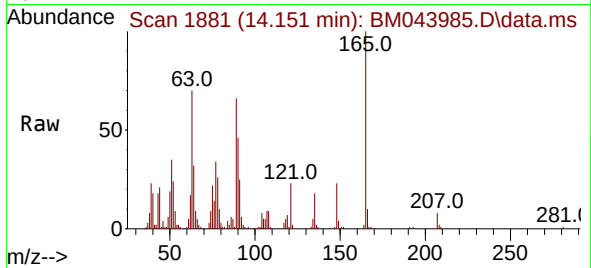
Tgt Ion:163 Resp: 304768
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.6 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 4.247 ng
RT: 14.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

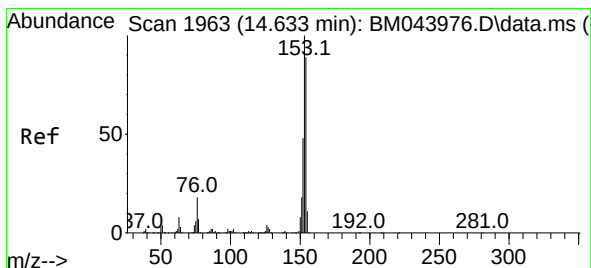
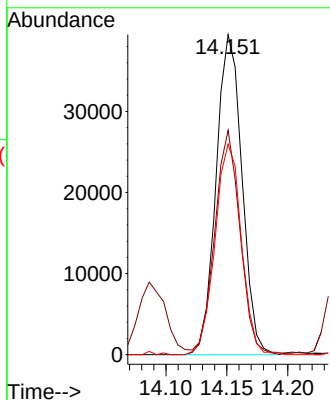
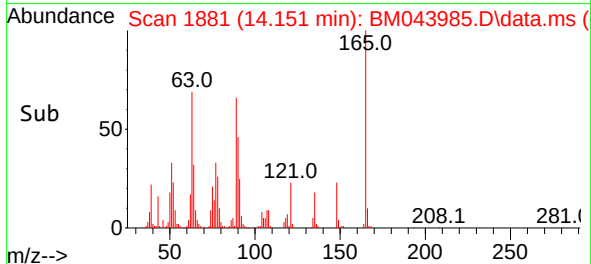
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



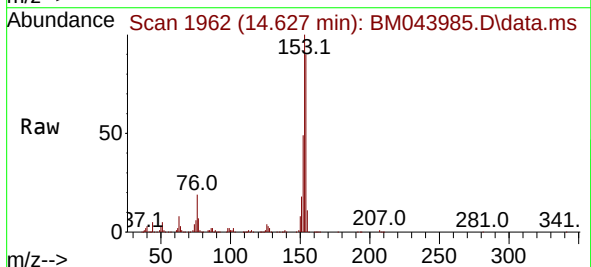
Tgt Ion:165 Resp: 5826
Ion Ratio Lower Upper
165 100
63 70.1 51.1 76.7
89 65.8 49.5 74.3

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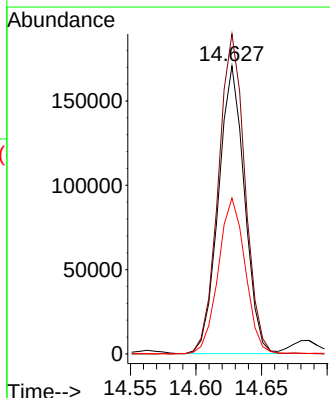
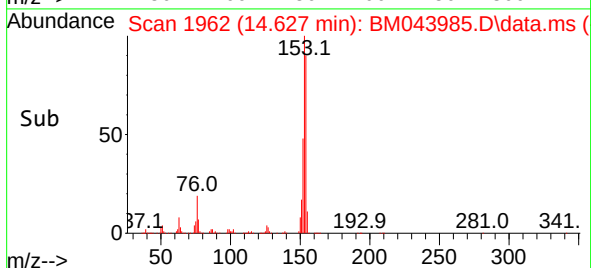
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

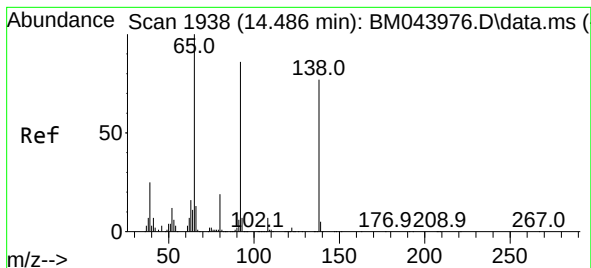


#52
Acenaphthene
Concen: 4.829 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



Tgt Ion:154 Resp: 235826
Ion Ratio Lower Upper
154 100
153 111.1 90.1 135.1
152 54.2 43.6 65.4





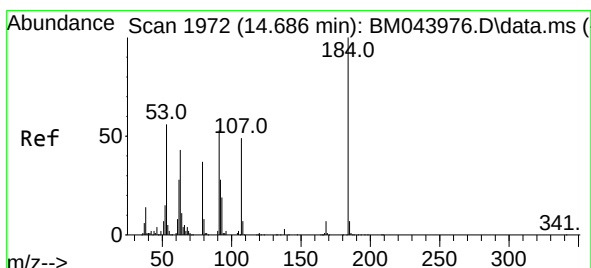
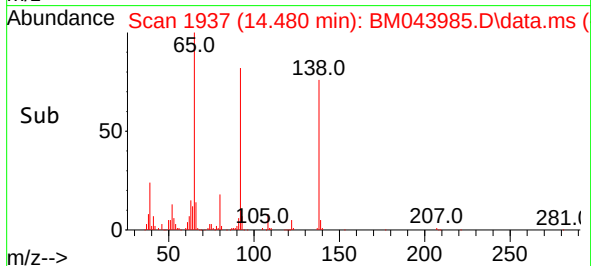
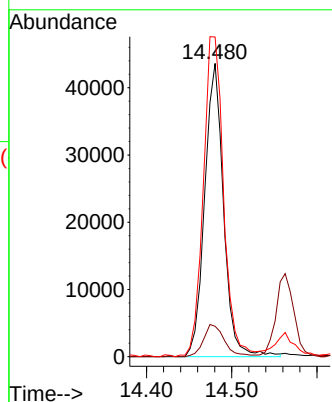
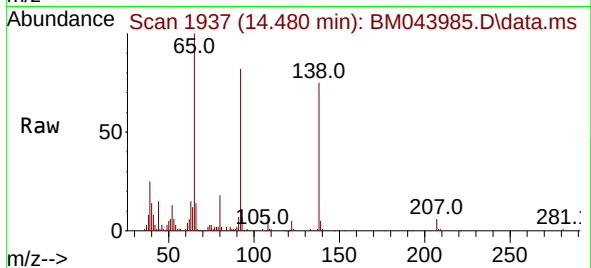
#53
3-Nitroaniline
Concen: 4.218 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

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

Tgt Ion:138 Resp: 6718
Ion Ratio Lower Upper
138 100
108 10.4 7.8 11.6
92 109.0 89.7 134.5

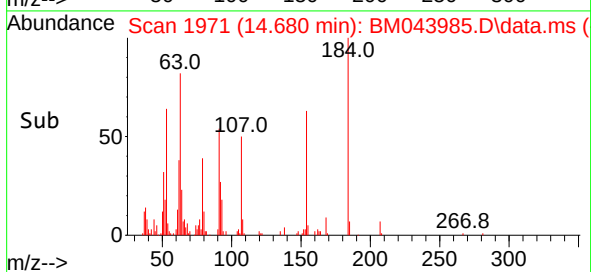
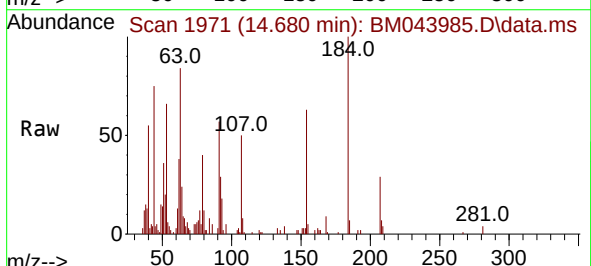
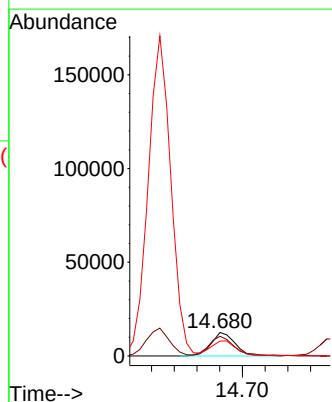
Manual Integrations
APPROVED

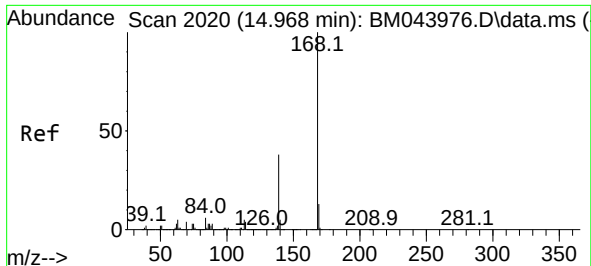
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#54
2,4-Dinitrophenol
Concen: 9.363 ng
RT: 14.680 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

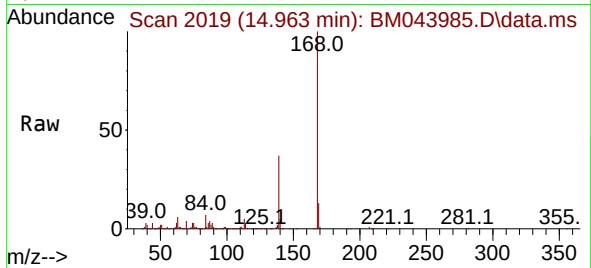
Tgt Ion:184 Resp: 18228
Ion Ratio Lower Upper
184 100
63 83.7 62.8 94.2
154 63.3 51.4 77.2





#55
Dibenzenofuran
Concen: 5.113 ng
RT: 14.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

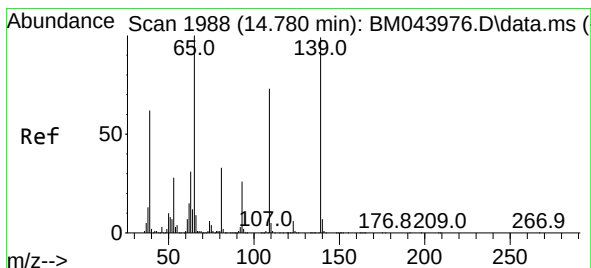
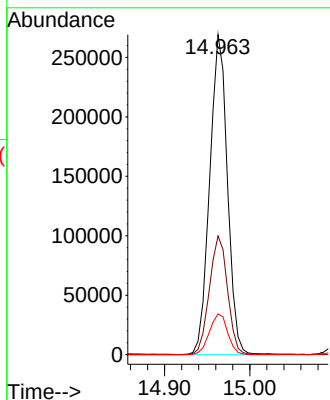
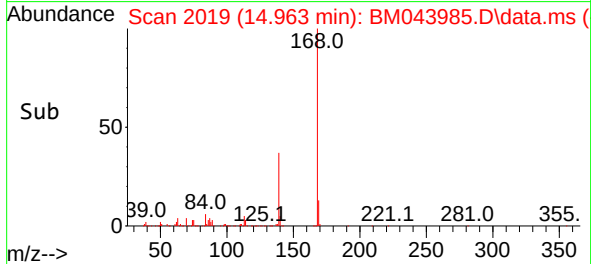
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:168 Resp: 38862
Ion Ratio Lower Upper
168 100
139 37.1 30.7 46.1
169 12.8 10.5 15.7

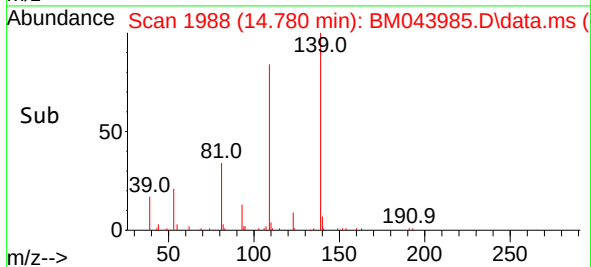
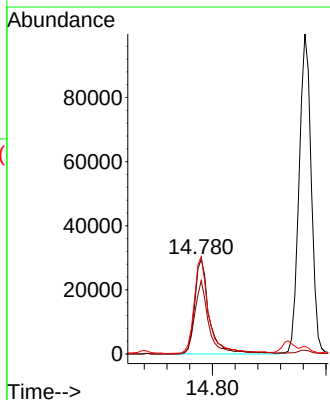
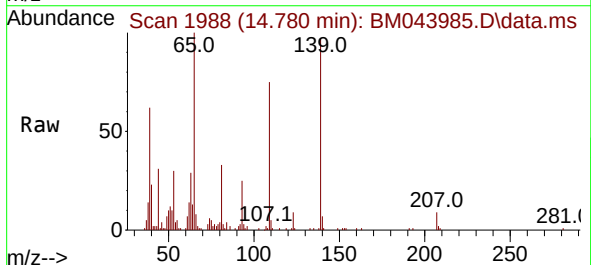
Manual Integrations
APPROVED

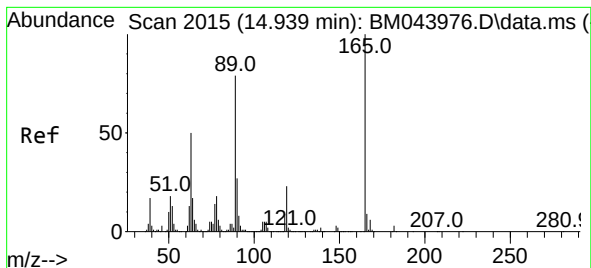
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#56
4-Nitrophenol
Concen: 3.824 ng
RT: 14.780 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

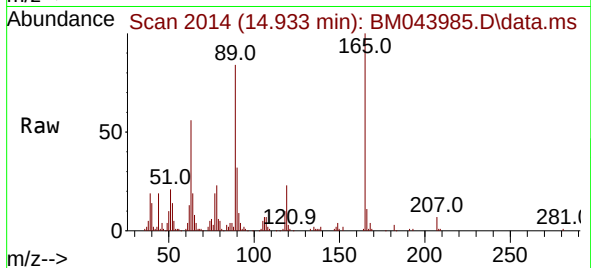
Tgt Ion:139 Resp: 53230
Ion Ratio Lower Upper
139 100
109 77.4 53.2 93.2
65 102.8 80.7 120.7





#57
2,4-Dinitrotoluene
Concen: 3.742 ng
RT: 14.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

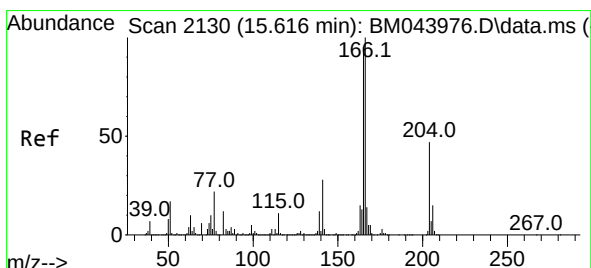
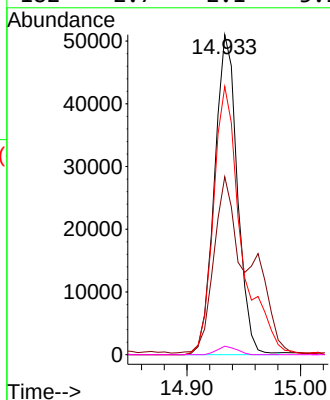
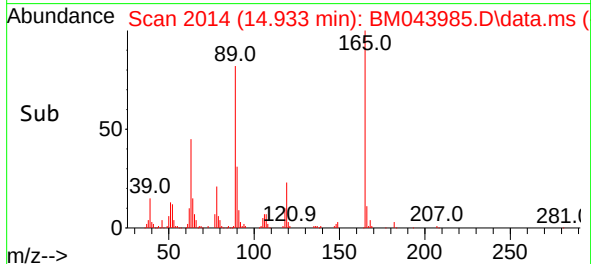
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:165 Resp: 71470
Ion Ratio Lower Upper
165 100
63 55.6 40.2 60.4
89 83.8 63.3 94.9
182 2.7 2.1 3.1

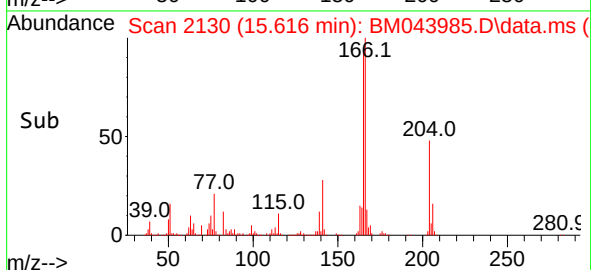
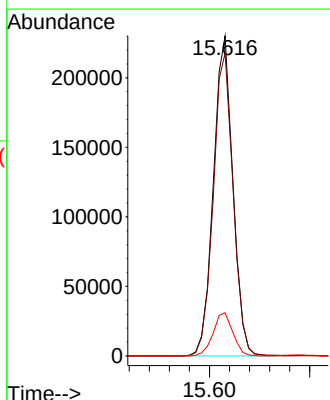
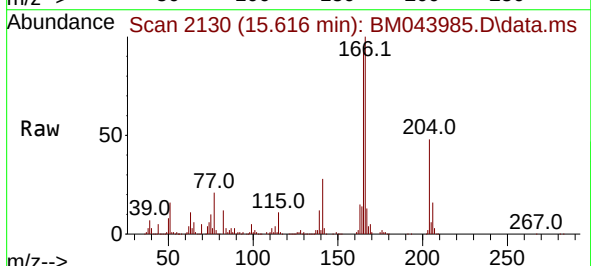
Manual Integrations
APPROVED

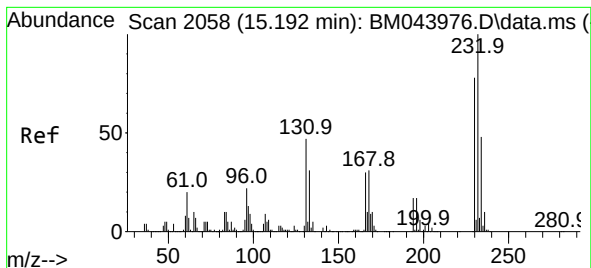
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#58
Fluorene
Concen: 4.840 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

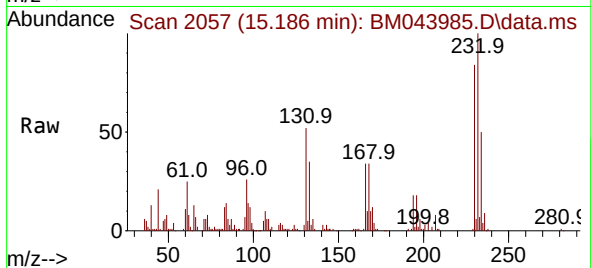
Tgt Ion:166 Resp: 310646
Ion Ratio Lower Upper
166 100
165 94.7 76.3 114.5
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.333 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

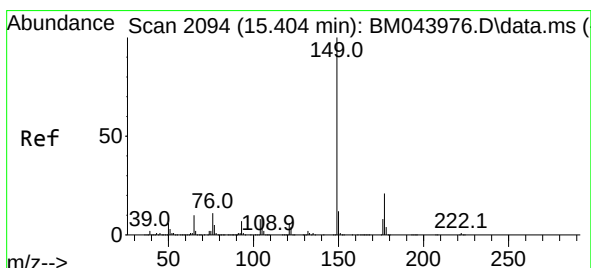
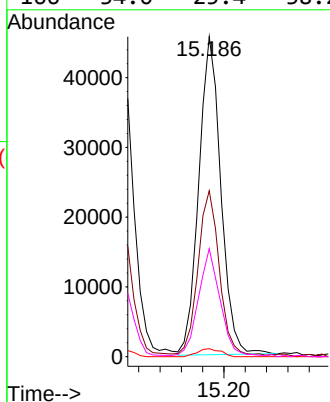
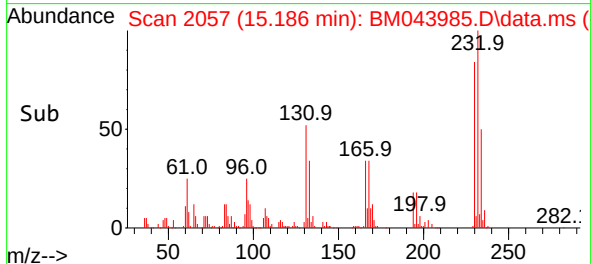
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



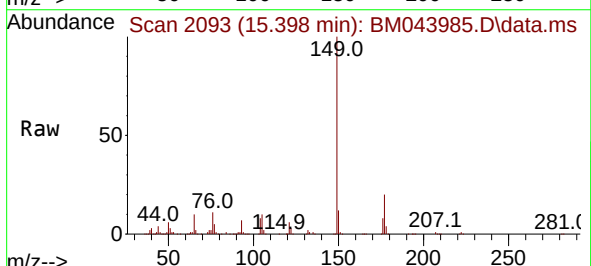
Tgt Ion:232 Resp: 65638
Ion Ratio Lower Upper
232 100
131 50.3 39.8 59.6
130 2.6 2.0 3.0
166 34.0 25.4 38.2

Manual Integrations
APPROVED

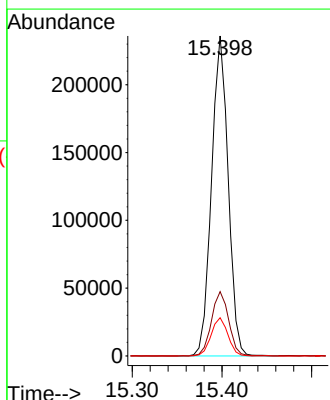
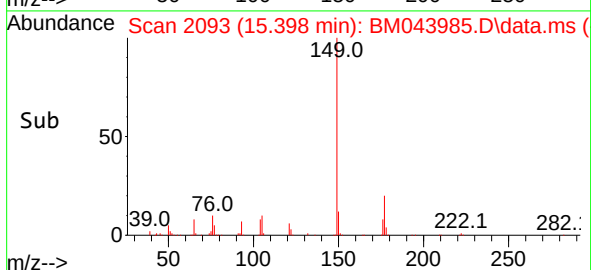
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

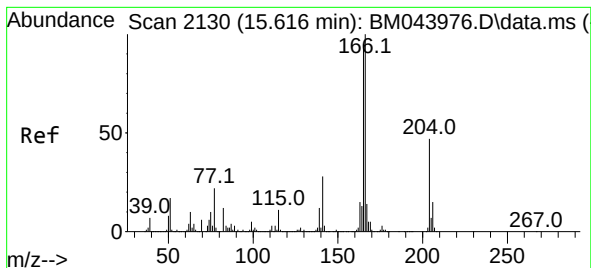


#60
Diethylphthalate
Concen: 4.703 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



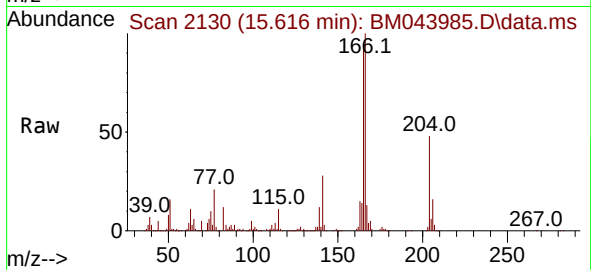
Tgt Ion:149 Resp: 303920
Ion Ratio Lower Upper
149 100
177 20.1 17.1 25.7
150 12.0 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 4.942 ng
RT: 15.616 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

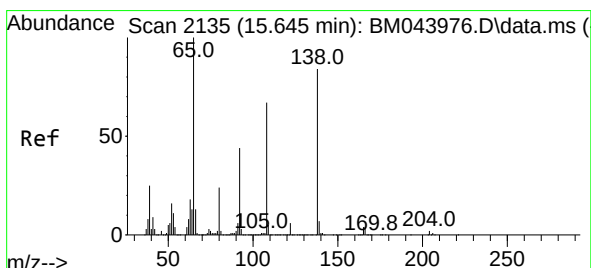
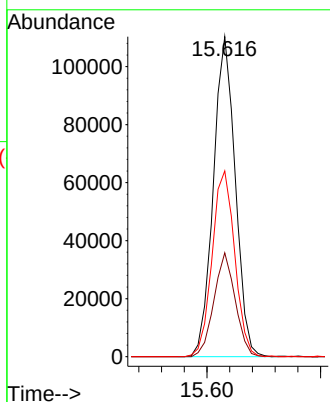
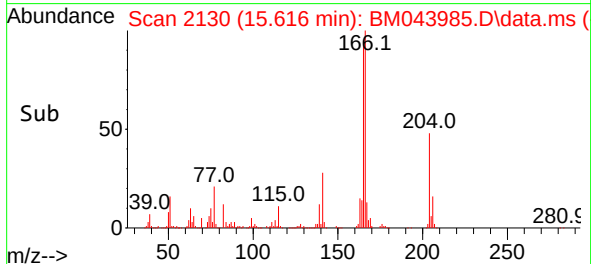
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:204 Resp: 14799
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.2
141 58.0 48.6 72.8

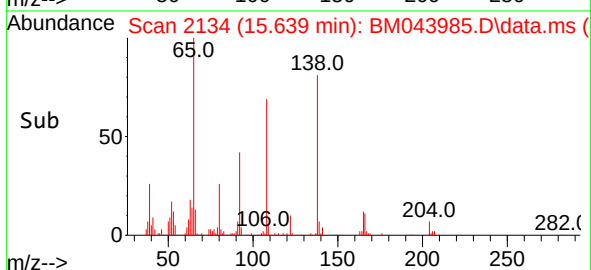
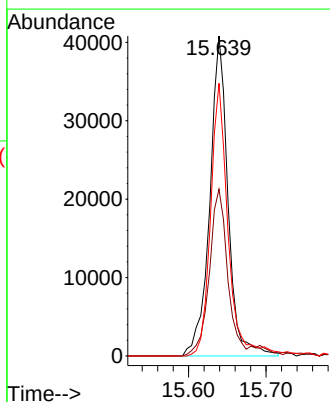
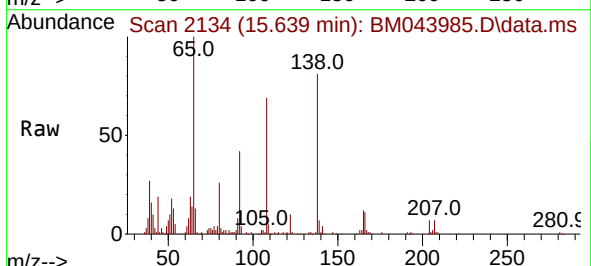
Manual Integrations
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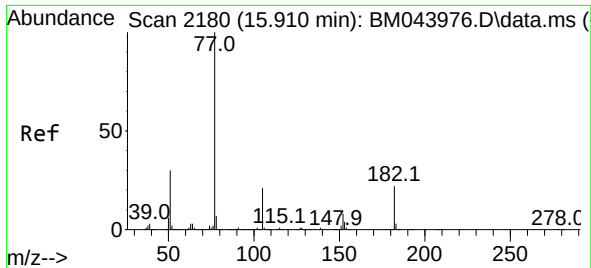
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#62
4-Nitroaniline
Concen: 3.840 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

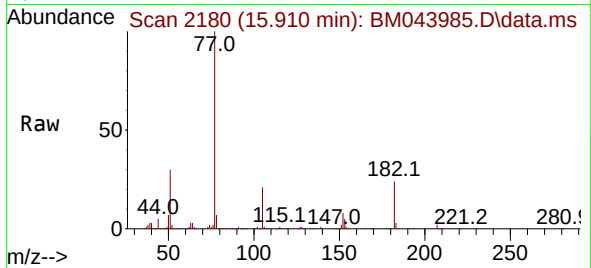
Tgt Ion:138 Resp: 66875
Ion Ratio Lower Upper
138 100
92 52.1 32.7 72.7
108 85.2 60.0 100.0





#63
Azobenzene
Concen: 4.713 ng
RT: 15.910 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

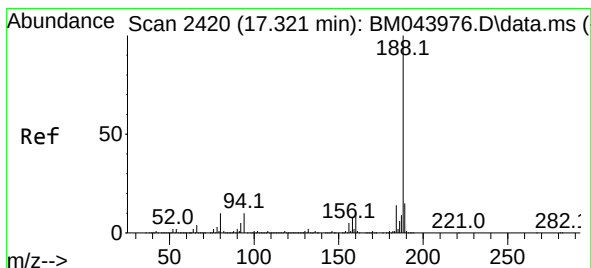
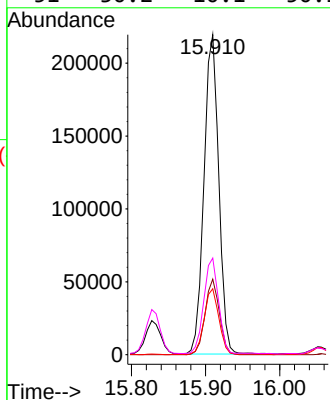
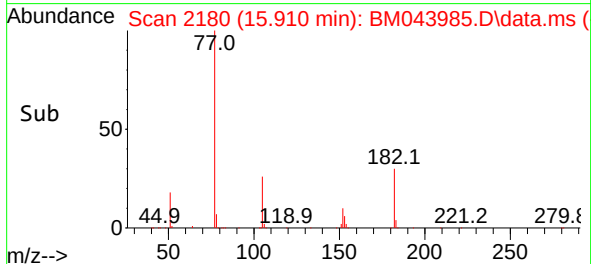
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



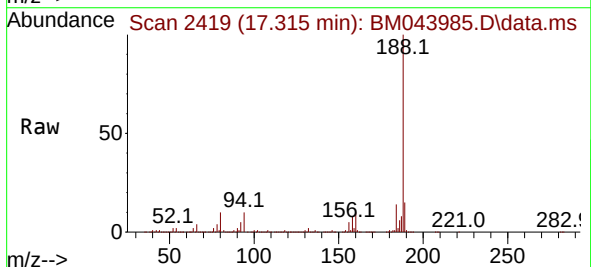
Tgt Ion: 77 Resp: 304149
Ion Ratio Lower Upper
77 100
182 23.6 2.0 42.0
105 20.6 0.5 40.5
51 30.2 10.1 50.1

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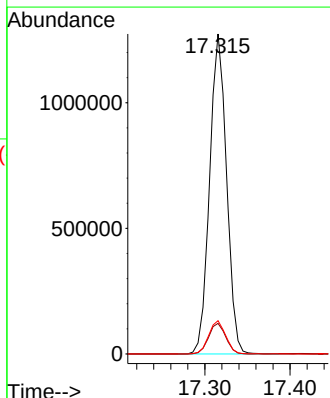
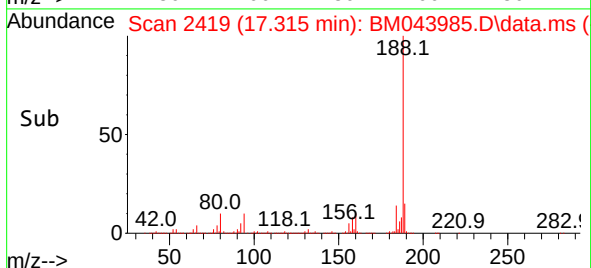
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

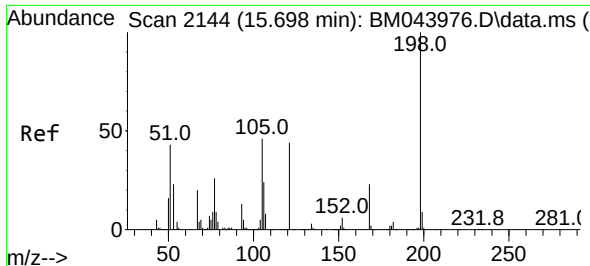


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



Tgt Ion:188 Resp: 1759174
Ion Ratio Lower Upper
188 100
94 9.5 7.7 11.5
80 10.4 8.2 12.4





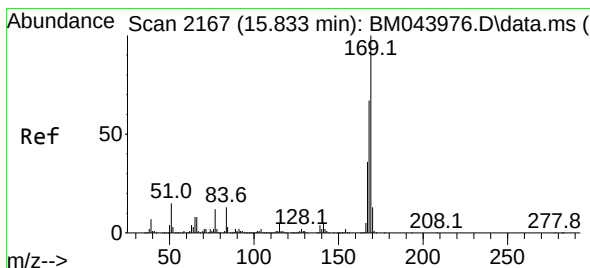
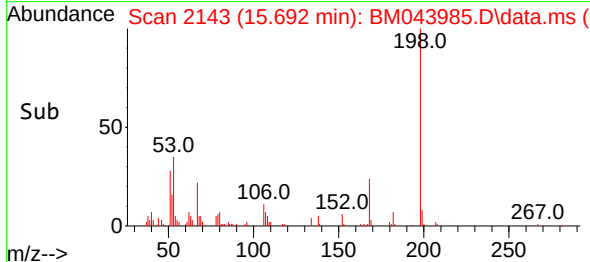
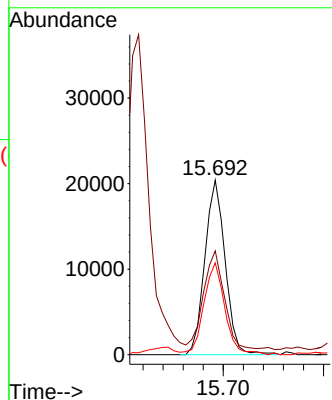
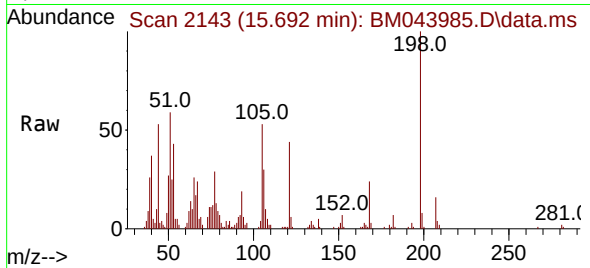
#65
4,6-Dinitro-2-methylphenol
Concen: 8.508 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

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

Tgt Ion:198 Resp: 2880
Ion Ratio Lower Upper
198 100
51 59.5 31.9 71.9
105 52.6 28.1 68.1

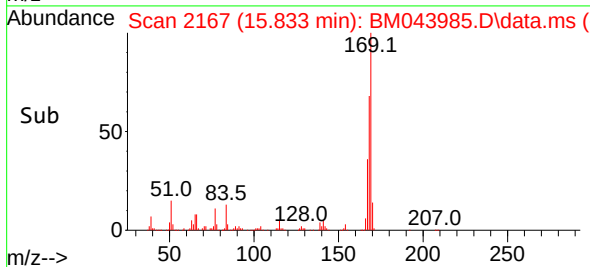
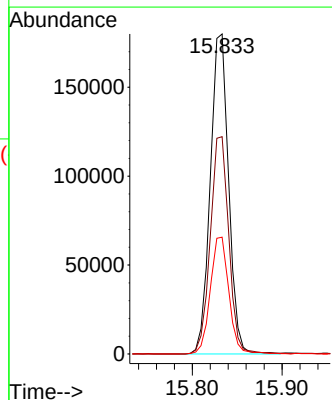
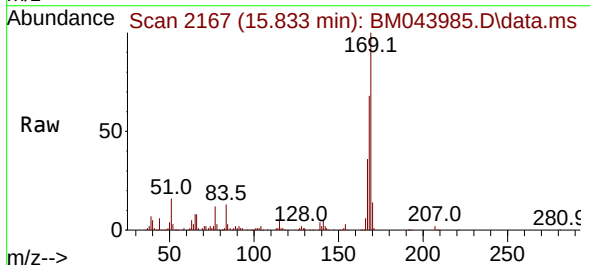
Manual Integrations
APPROVED

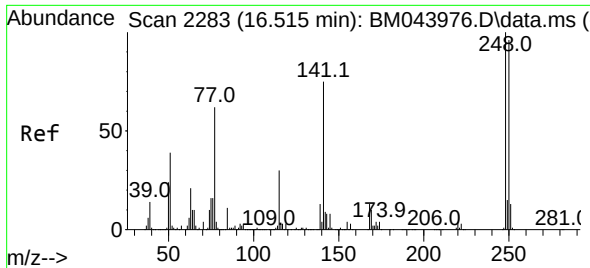
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#66
n-Nitrosodiphenylamine
Concen: 4.871 ng
RT: 15.833 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

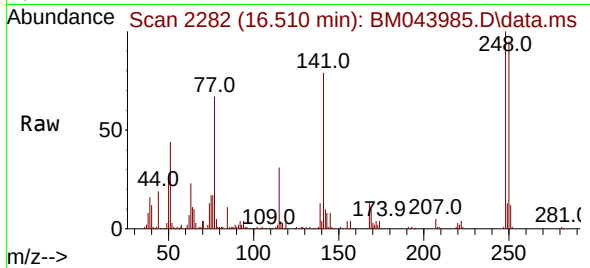
Tgt Ion:169 Resp: 255273
Ion Ratio Lower Upper
169 100
168 67.9 53.4 80.2
167 36.5 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 4.869 ng
RT: 16.510 min Scan# 2111
Delta R.T. -0.005 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

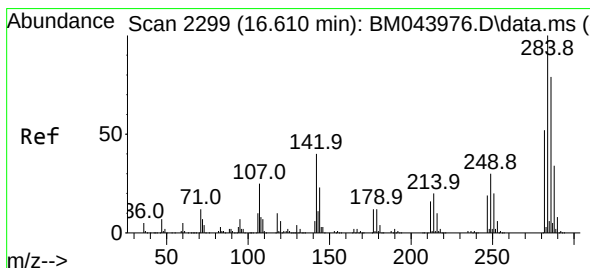
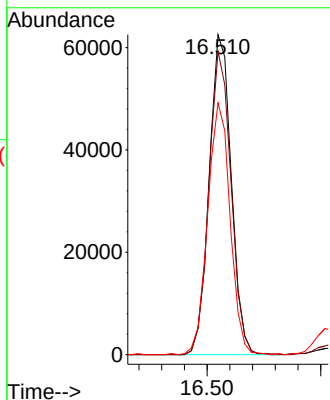
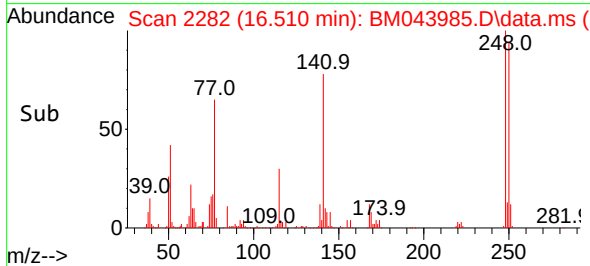
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



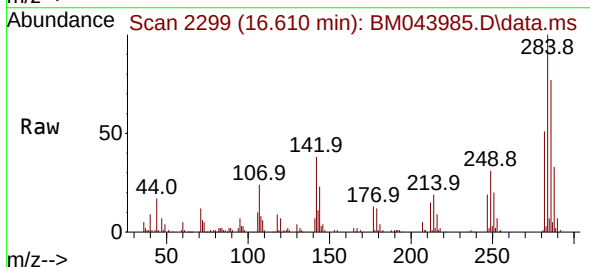
Tgt Ion	Ratio	Lower	Upper
248	100		
250	94.8	77.0	115.4
141	78.7	59.9	89.9

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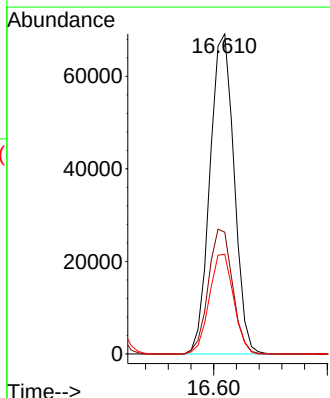
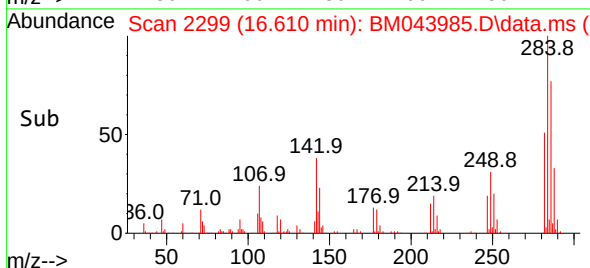
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

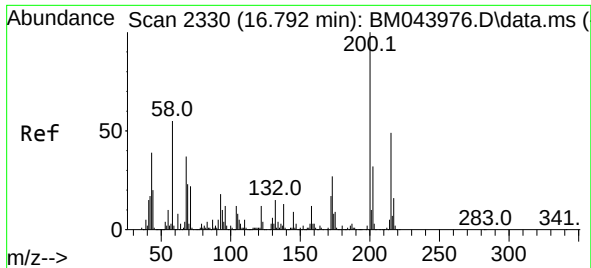


#68
Hexachlorobenzene
Concen: 4.942 ng
RT: 16.610 min Scan# 2299
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45



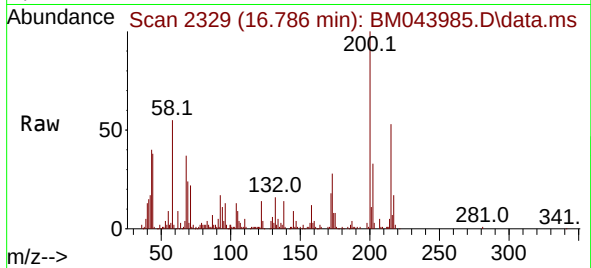
Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.1	32.2	48.4
249	31.2	24.4	36.6





#69
 Atrazine
 Concen: 5.596 ng
 RT: 16.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM043985.D
 Acq: 06 Feb 2024 10:45

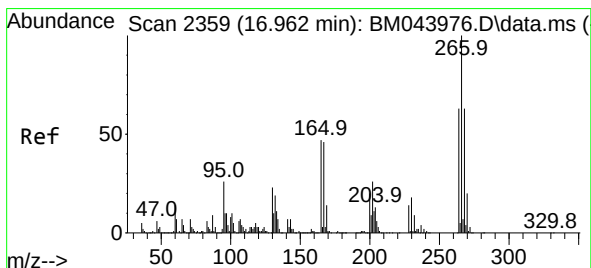
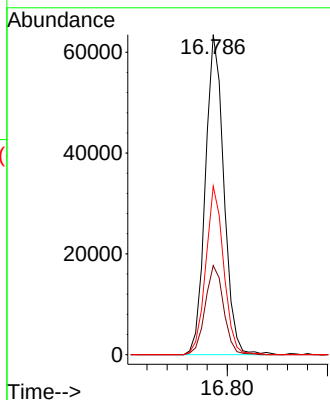
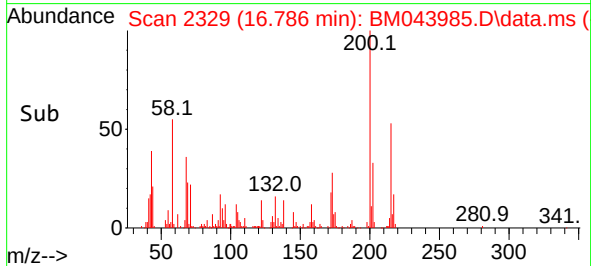
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023



Tgt Ion:200 Resp: 81120
 Ion Ratio Lower Upper
 200 100
 173 27.9 7.3 47.3
 215 52.7 28.7 68.7

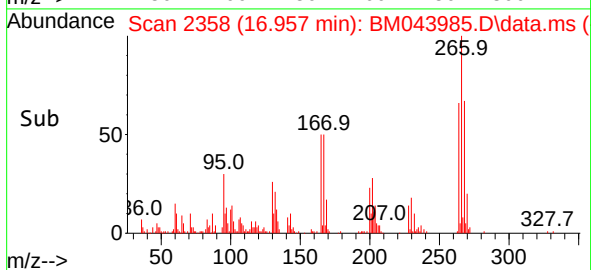
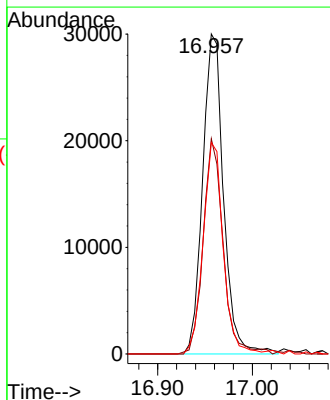
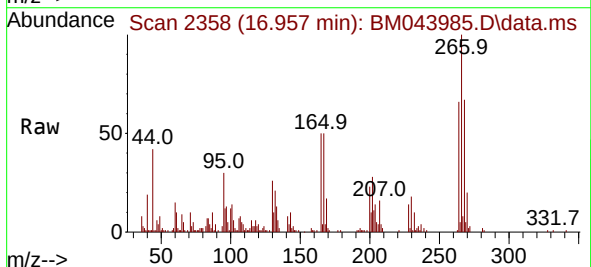
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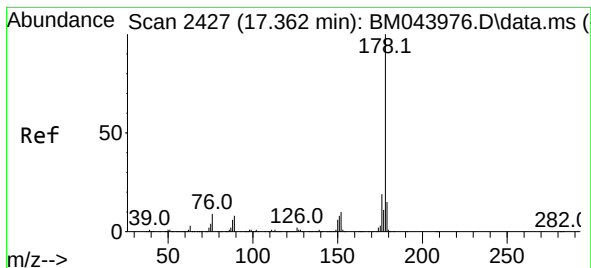
Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024



#70
 Pentachlorophenol
 Concen: 3.389 ng
 RT: 16.957 min Scan# 2358
 Delta R.T. -0.005 min
 Lab File: BM043985.D
 Acq: 06 Feb 2024 10:45

Tgt Ion:266 Resp: 45987
 Ion Ratio Lower Upper
 266 100
 268 67.3 50.6 76.0
 264 66.0 50.6 76.0





#71

Phenanthrene

Concen: 5.144 ng

RT: 17.357 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

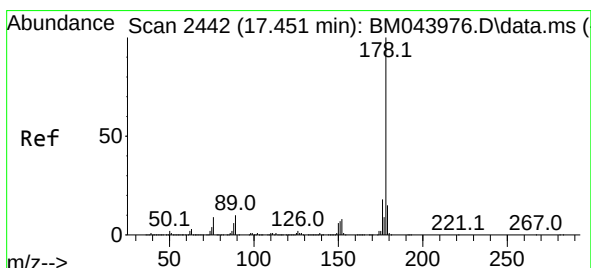
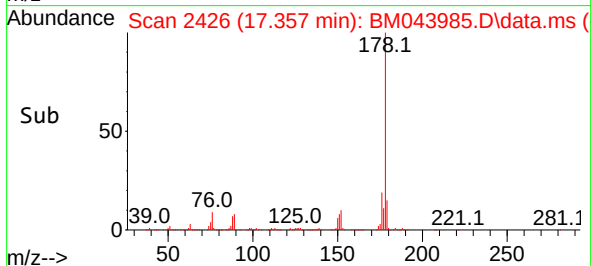
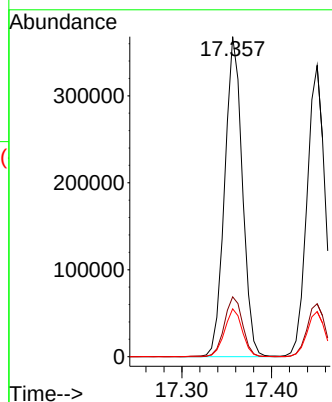
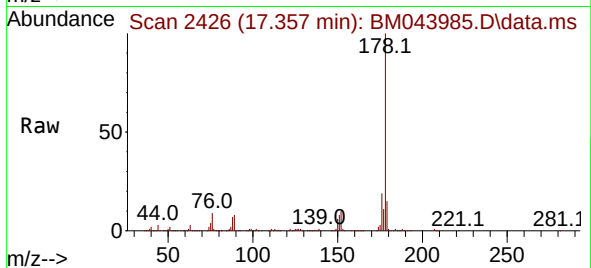
LOQ-SOIL-02-QT3-2023

Tgt Ion:	178	Resp:	50402
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.3	22.9
179	14.9	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: 4.952 ng

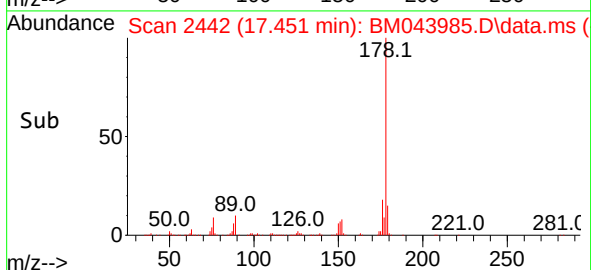
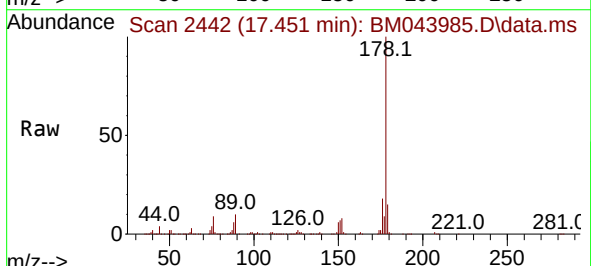
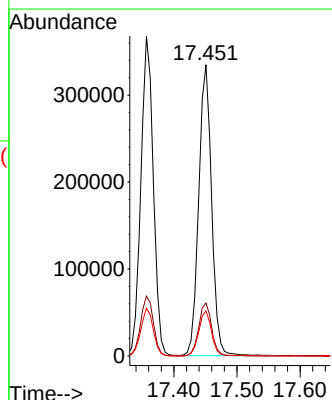
RT: 17.451 min Scan# 2442

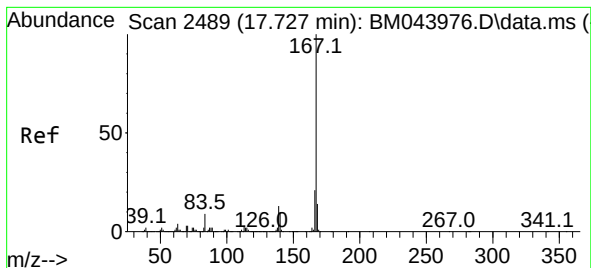
Delta R.T. 0.000 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Tgt Ion:	178	Resp:	474999
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	22.0
179	15.5	12.2	18.4





#73

Carbazole

Concen: 4.617 ng

RT: 17.727 min Scan# 2489

Delta R.T. 0.000 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

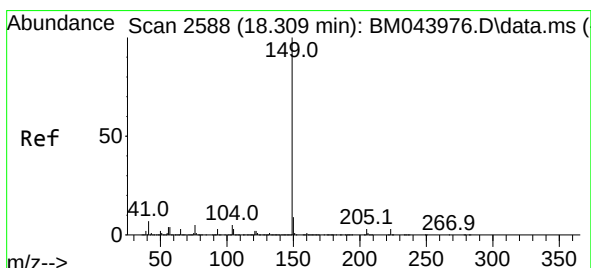
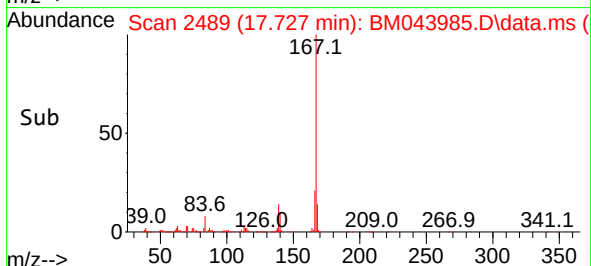
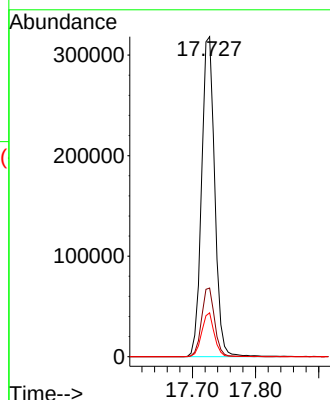
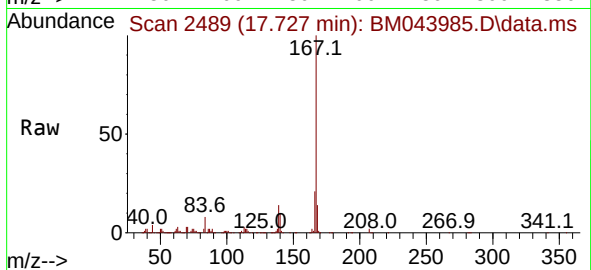
ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:167 Resp: 458693
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 13.7 10.6 15.8

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



#74

Di-n-butylphthalate

Concen: 4.293 ng

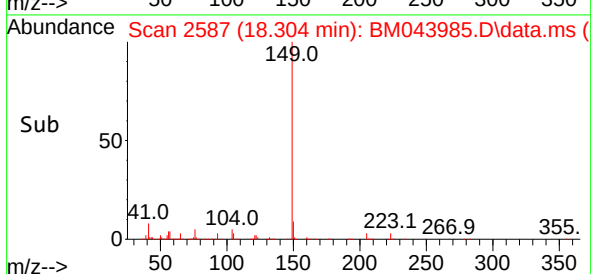
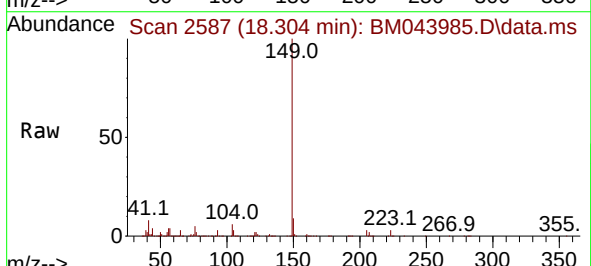
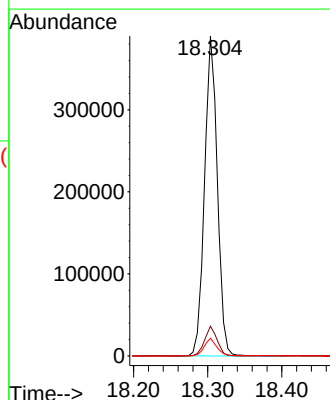
RT: 18.304 min Scan# 2587

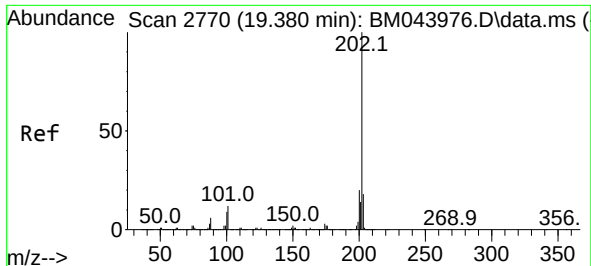
Delta R.T. -0.005 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

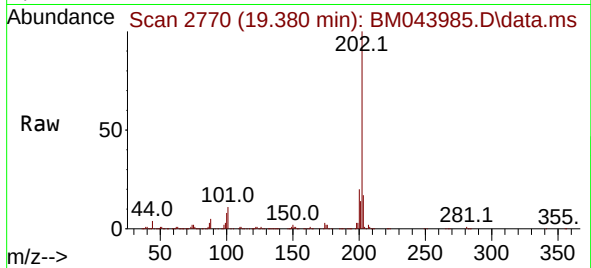
Tgt Ion:149 Resp: 467700
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 5.5 4.1 6.1





#75
Fluoranthene
Concen: 4.570 ng
RT: 19.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

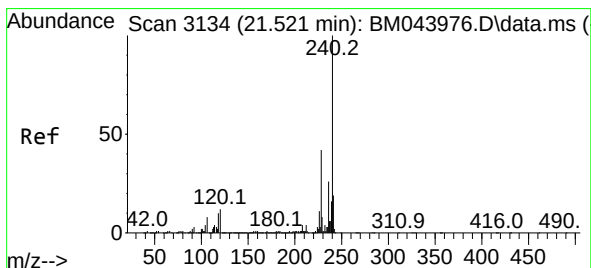
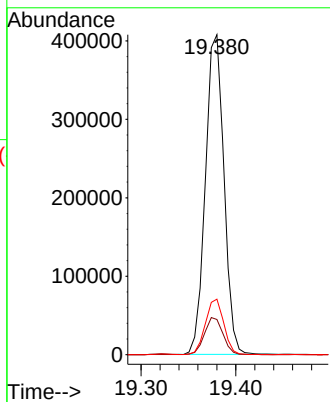
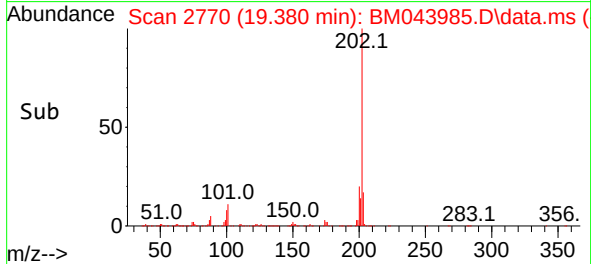
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:202 Resp: 55381
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.9
203 17.3 0.0 37.6

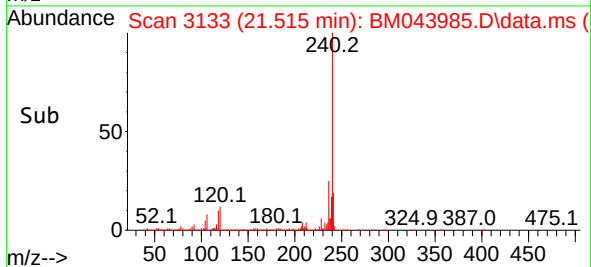
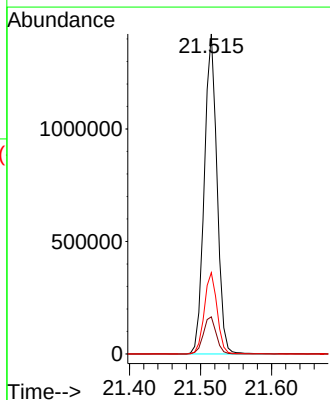
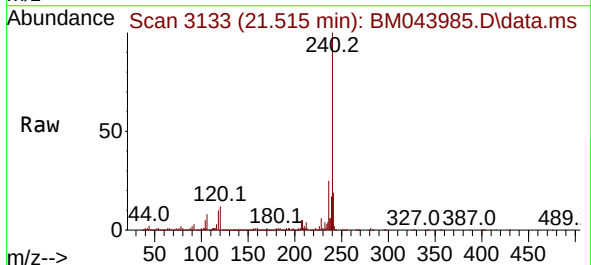
Manual Integrations
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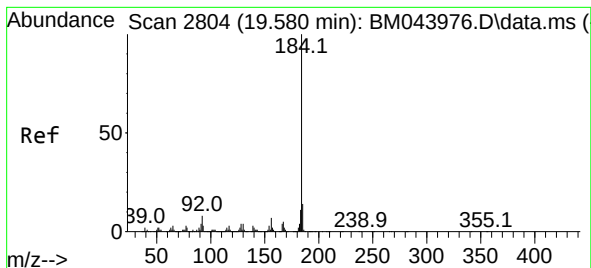
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:240 Resp: 1772110
Ion Ratio Lower Upper
240 100
120 11.6 9.3 13.9
236 25.4 20.5 30.7





#77

Benzidine

Concen: 9.021 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

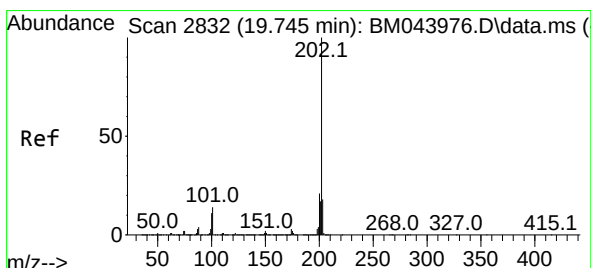
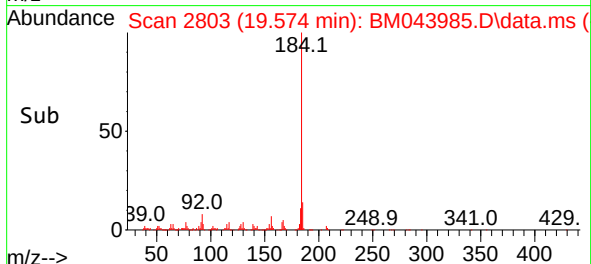
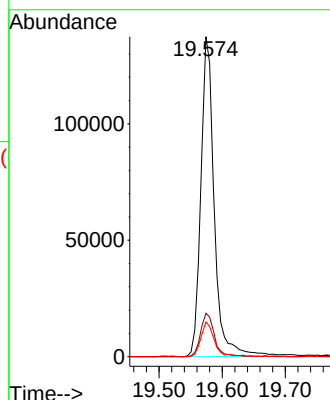
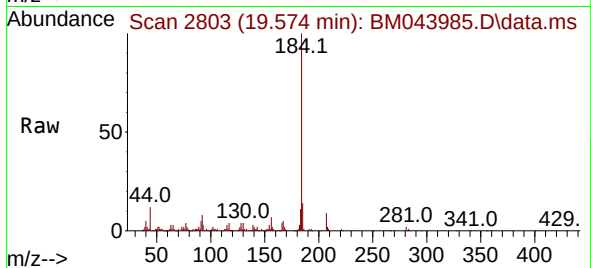
Tgt Ion:184 Resp: 202818

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.5	17.3
183	10.9	8.9	13.3

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 4.870 ng

RT: 19.739 min Scan# 2831

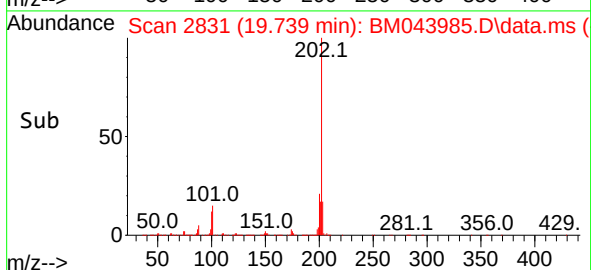
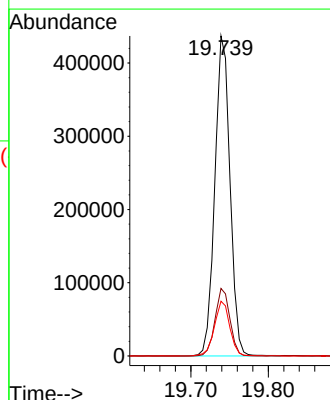
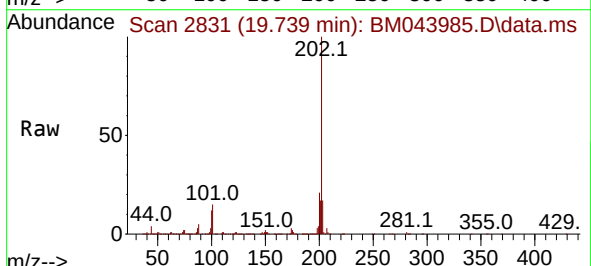
Delta R.T. -0.006 min

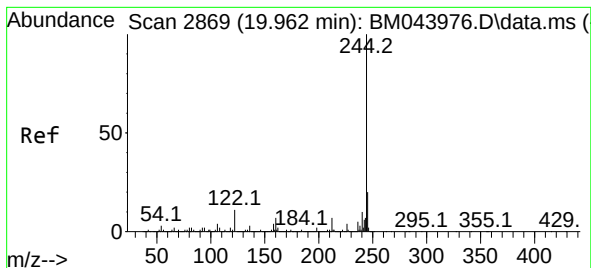
Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Tgt Ion:202 Resp: 593249

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.1	14.2	21.4





#79

Terphenyl-d14

Concen: 99.160 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:244 Resp: 910283

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

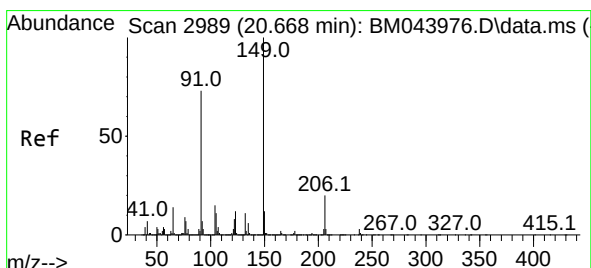
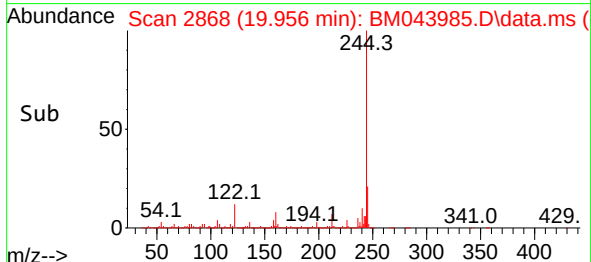
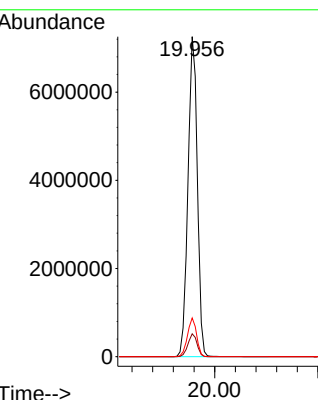
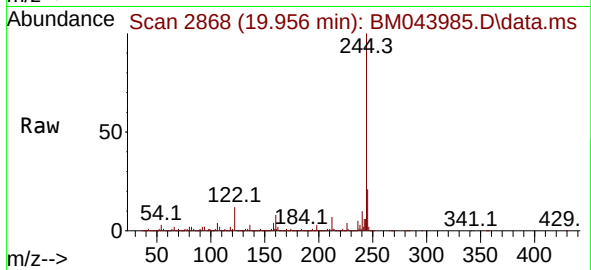
122 12.1 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#80

Butylbenzylphthalate

Concen: 4.064 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

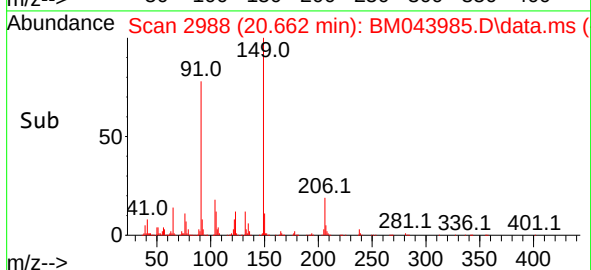
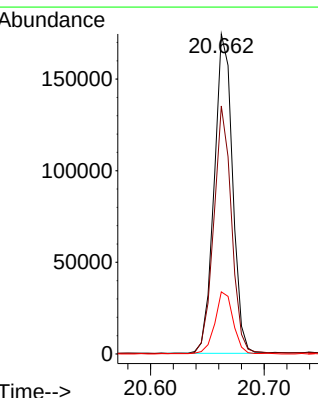
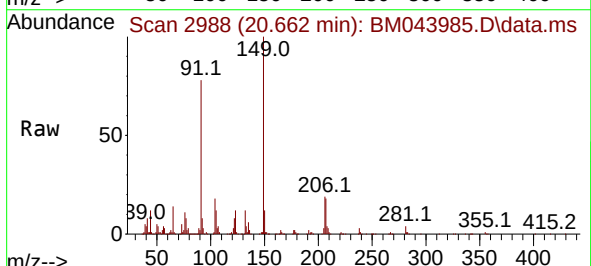
Tgt Ion:149 Resp: 196034

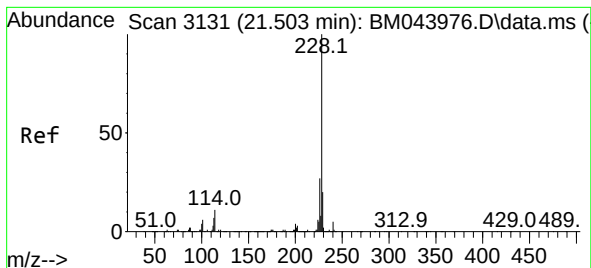
Ion Ratio Lower Upper

149 100

91 77.5 58.4 87.6

206 19.4 15.8 23.6





#81

Benzo(a)anthracene

Concen: 5.028 ng

RT: 21.498 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:228 Resp: 62513

Ion Ratio Lower Upper

228 100

226 26.6 21.8 32.8

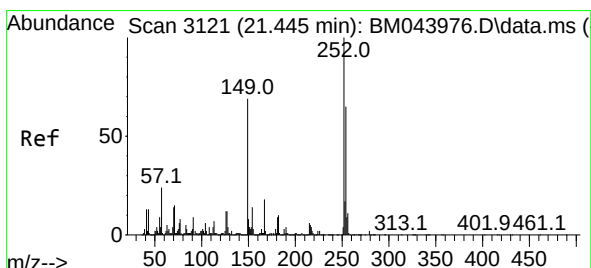
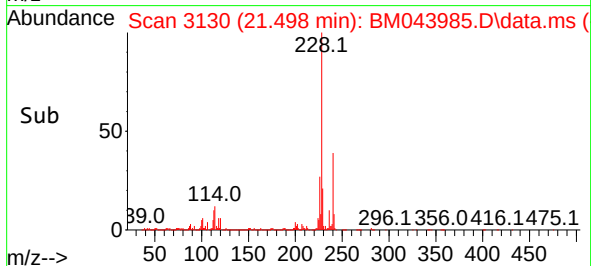
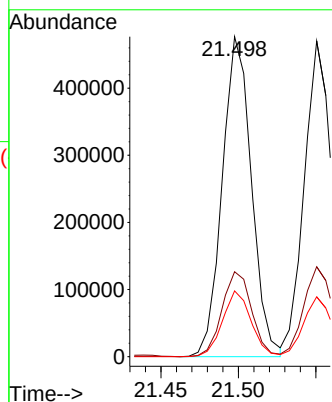
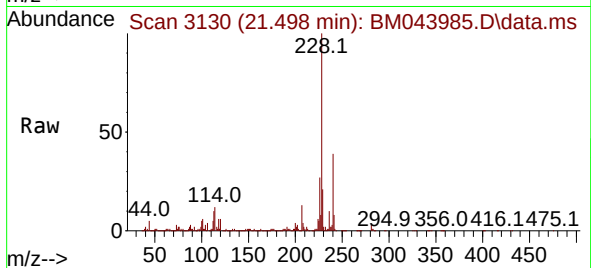
229 20.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#82

3,3'-Dichlorobenzidine

Concen: 4.789 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

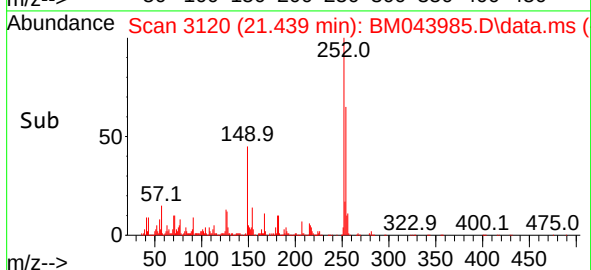
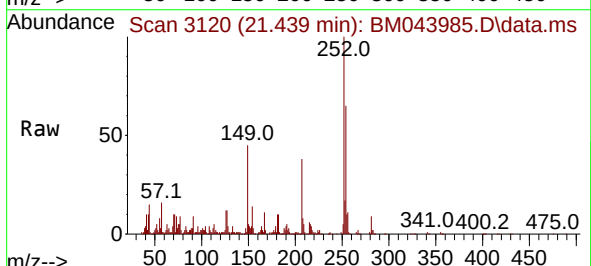
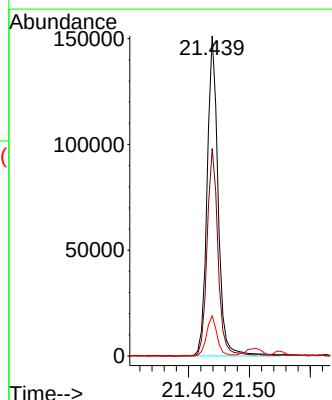
Tgt Ion:252 Resp: 190390

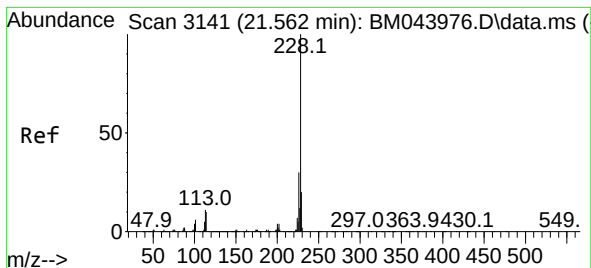
Ion Ratio Lower Upper

252 100

254 64.8 51.6 77.4

126 12.5 9.4 14.2





#83

Chrysene

Concen: 4.953 ng

RT: 21.550 min Scan# 3141

Delta R.T. -0.012 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

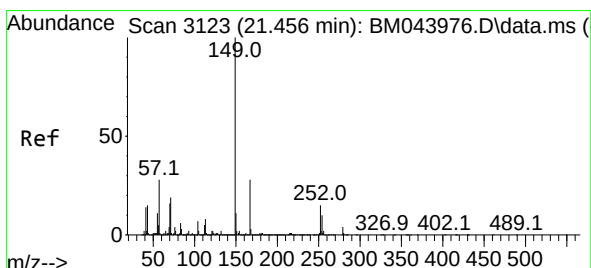
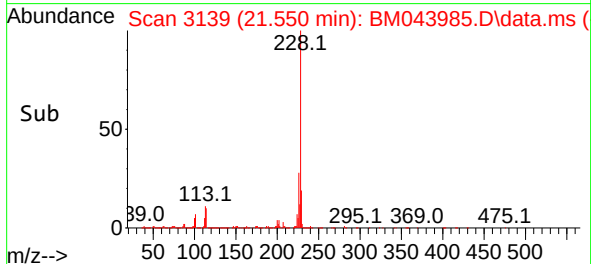
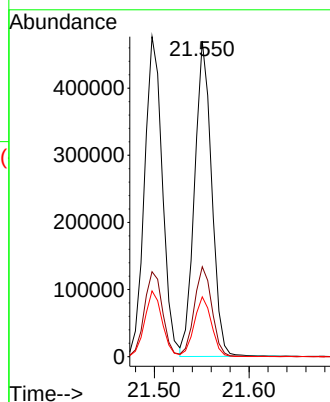
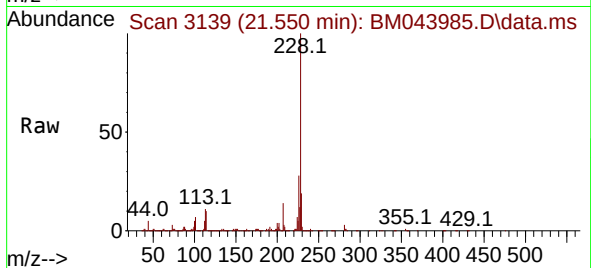
LOQ-SOIL-02-QT3-2023

Tgt Ion:228 Resp: 590000
 Ion Ratio Lower Upper
 228 100
 226 28.5 24.2 36.4
 229 19.0 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: 4.179 ng

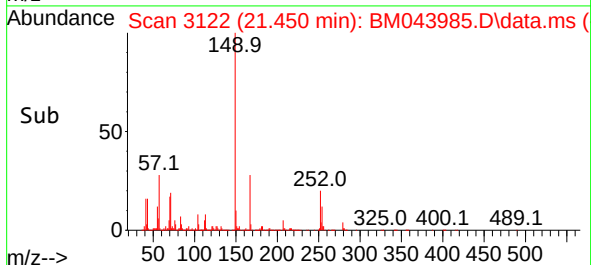
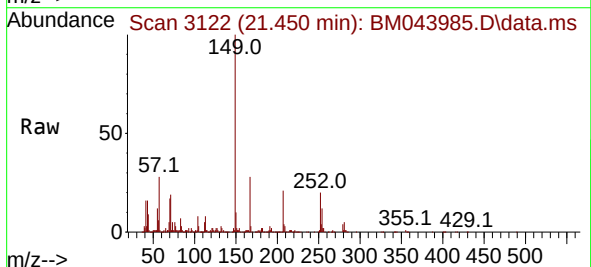
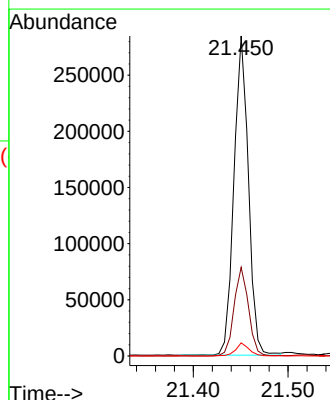
RT: 21.450 min Scan# 3122

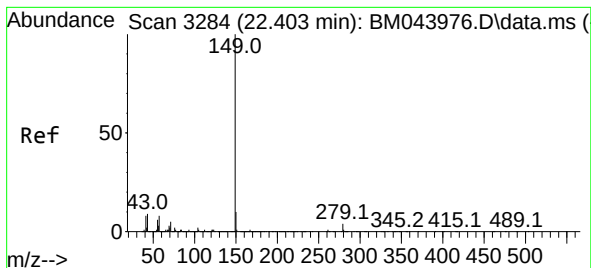
Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

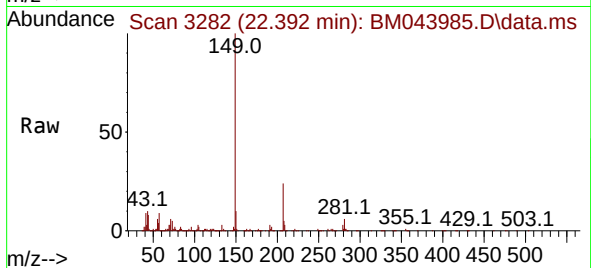
Tgt Ion:149 Resp: 299801
 Ion Ratio Lower Upper
 149 100
 167 27.7 22.0 33.0
 279 4.1 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 3.933 ng
RT: 22.392 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

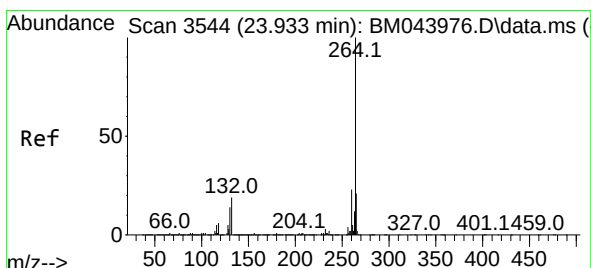
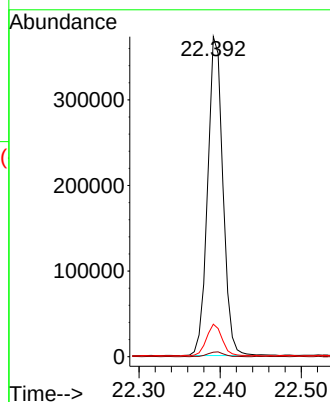
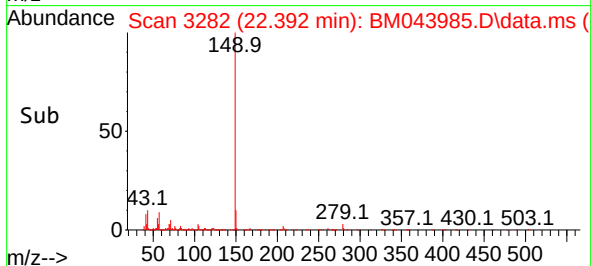
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:149 Resp: 48597
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.1 7.9 11.9

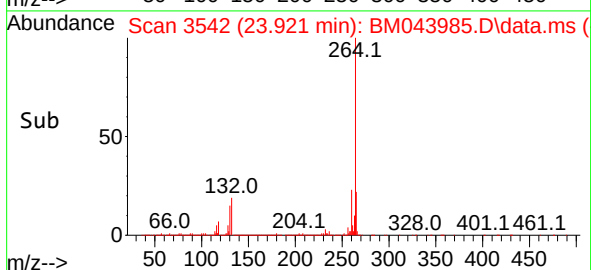
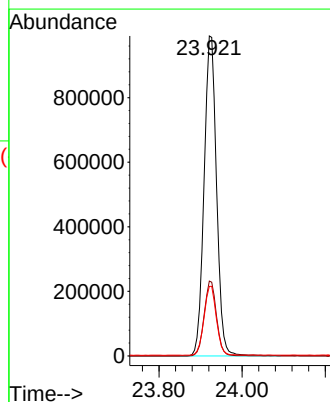
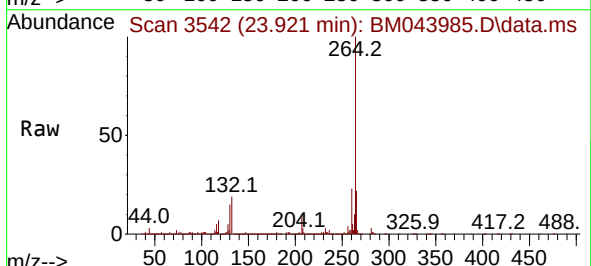
Manual Integrations
APPROVED

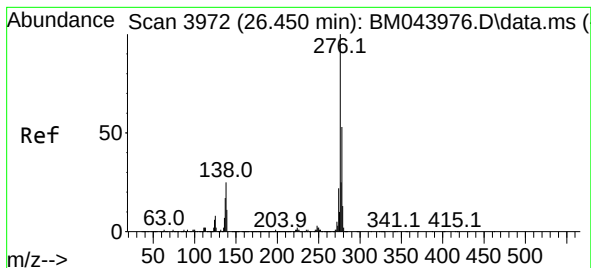
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.921 min Scan# 3542
Delta R.T. -0.012 min
Lab File: BM043985.D
Acq: 06 Feb 2024 10:45

Tgt Ion:264 Resp: 2063649
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.458 ng

RT: 26.421 min Scan# 3972

Delta R.T. -0.029 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

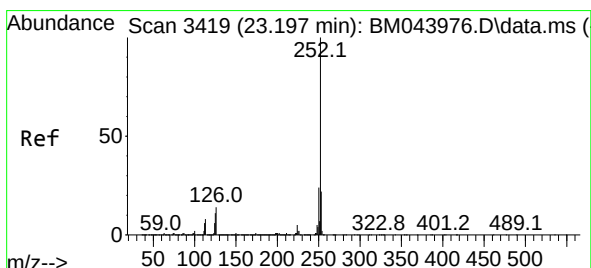
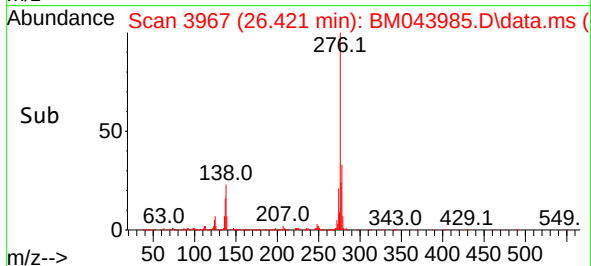
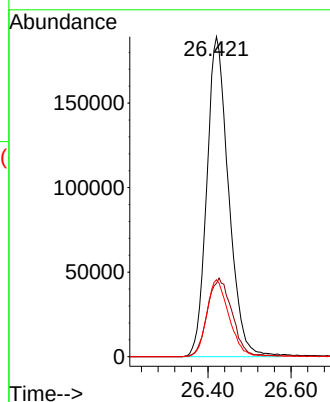
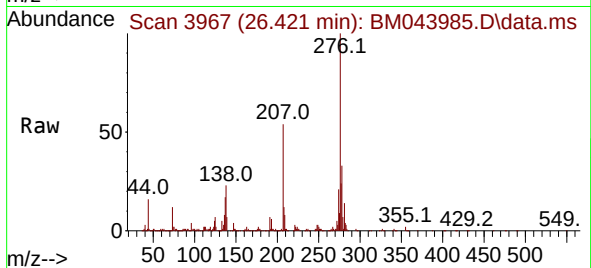
LOQ-SOIL-02-QT3-2023

Tgt Ion:	276	Resp:	68840
Ion Ratio	Lower	Upper	
276	100		
138	28.1	21.8	32.6
277	24.7	19.9	29.9

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 4.798 ng

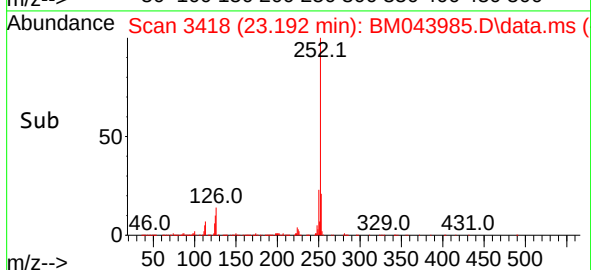
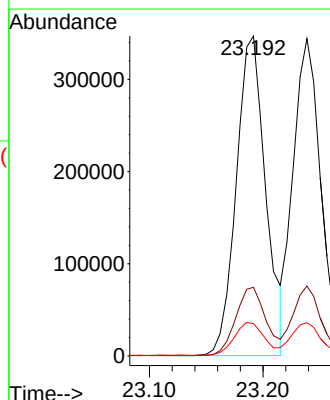
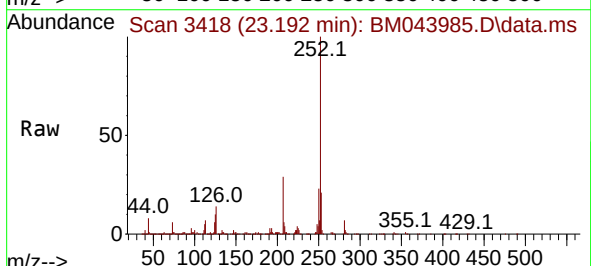
RT: 23.192 min Scan# 3418

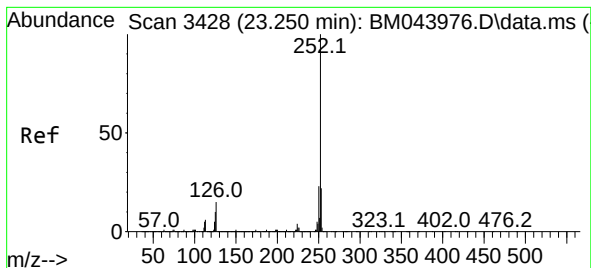
Delta R.T. -0.006 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Tgt Ion:	252	Resp:	622770
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.7	26.5
125	10.1	9.0	13.6





#89

Benzo(k)fluoranthene

Concen: 4.715 ng

RT: 23.239 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

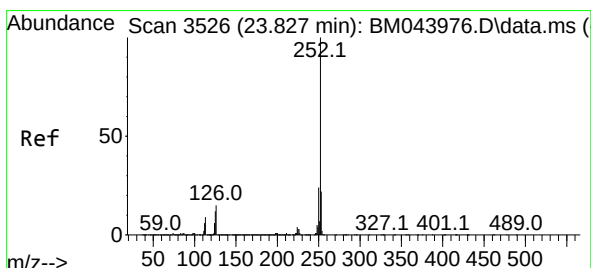
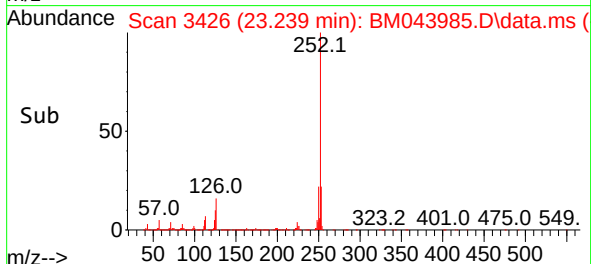
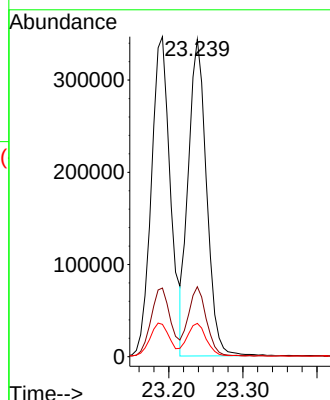
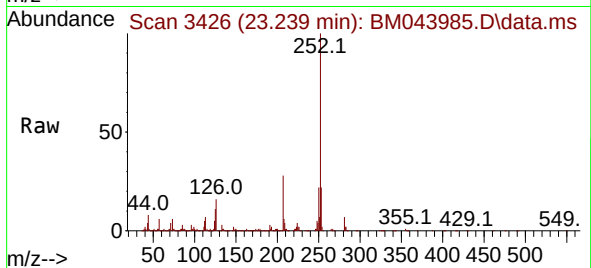
LOQ-SOIL-02-QT3-2023

Tgt Ion:252 Resp: 587239
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.4 26.2
 125 10.5 8.3 12.5

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 4.554 ng

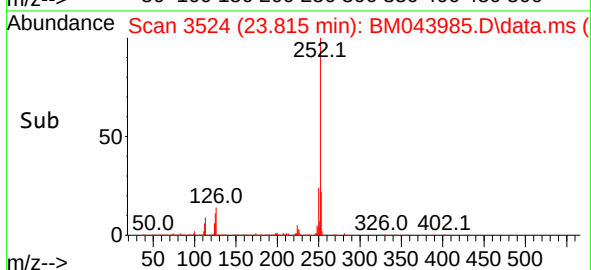
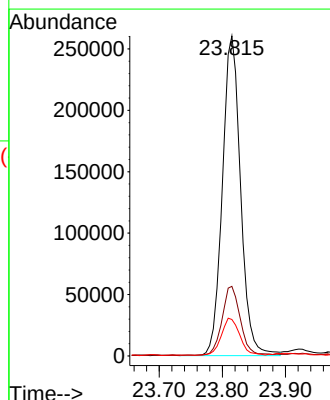
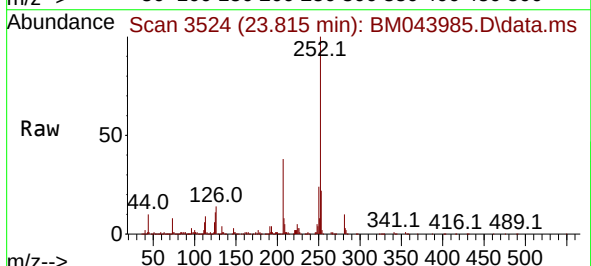
RT: 23.815 min Scan# 3524

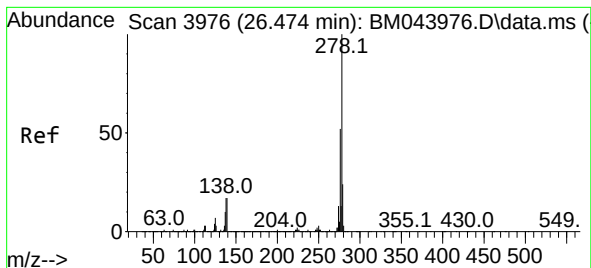
Delta R.T. -0.012 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Tgt Ion:252 Resp: 522566
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.7 26.5
 125 11.4 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 4.513 ng

RT: 26.450 min Scan# 3976

Delta R.T. -0.023 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Instrument :

BNA_M

ClientSampleId :

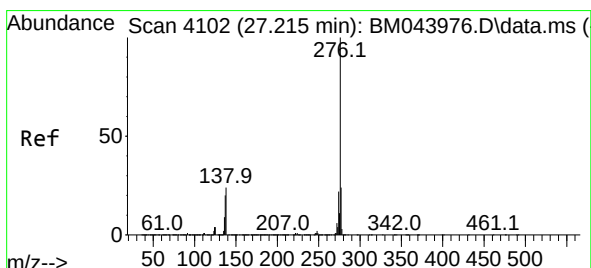
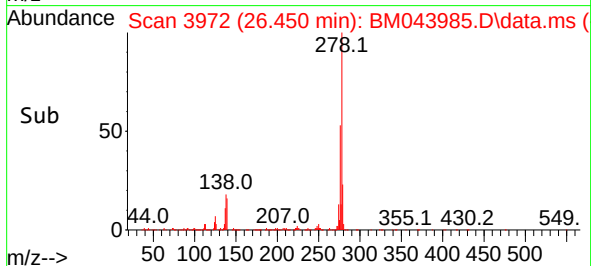
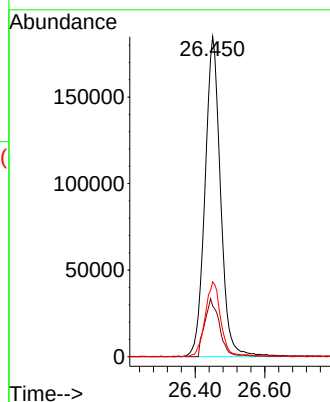
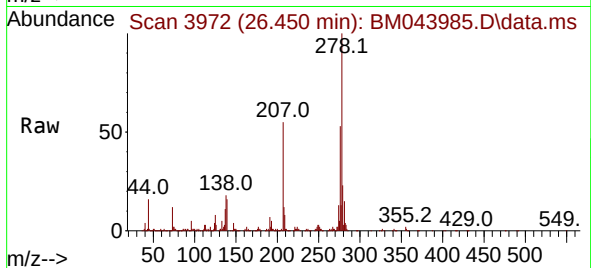
LOQ-SOIL-02-QT3-2023

Tgt Ion:	278	Resp:	57469
Ion Ratio	Lower	Upper	
278	100		
139	15.9	13.7	20.5
279	23.4	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: 4.307 ng

RT: 27.185 min Scan# 4097

Delta R.T. -0.029 min

Lab File: BM043985.D

Acq: 06 Feb 2024 10:45

Tgt Ion:	276	Resp:	559425
Ion Ratio	Lower	Upper	
276	100		
277	23.1	19.0	28.4
138	22.8	18.8	28.2

