

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM043990.D
 Acq On : 06 Feb 2024 14:03
 Operator : MA/JU
 Sample : 04699-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Quant Time: Feb 07 03:06:58 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	272940	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	1252635	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	772025	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1706973	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1745284	20.000	ng	0.00
86) Perylene-d12	23.927	264	1996622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	2705413	146.376	ng	0.00
7) Phenol-d6	7.087	99	3742020	137.028	ng	0.00
23) Nitrobenzene-d5	9.092	82	2165828	83.348	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1296432	137.759	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	4849316	86.309	ng	0.00
79) Terphenyl-d14	19.956	244	8325044	92.081	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.393	88	82761	11.586	ng	98
3) Pyridine	3.793	79	211967	9.751	ng	97
4) n-Nitrosodimethylamine	3.716	42	95736	10.245	ng	# 96
6) Aniline	7.251	93	314303	11.567	ng	99
8) 2-Chlorophenol	7.481	128	203119	9.898	ng	98
9) Benzaldehyde	7.069	77	202857	13.030	ng	97
10) Phenol	7.110	94	277853	10.233	ng	93
11) bis(2-Chloroethyl)ether	7.357	93	220905	10.380	ng	98
12) 1,3-Dichlorobenzene	7.804	146	227323	10.260	ng	99
13) 1,4-Dichlorobenzene	7.957	146	235128	10.494	ng	99
14) 1,2-Dichlorobenzene	8.269	146	222909	10.088	ng	98
15) Benzyl Alcohol	8.163	79	192912	10.306	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.463	45	311336m	10.909	ng	
17) 2-Methylphenol	8.363	107	170157	9.804	ng	98
18) Hexachloroethane	8.992	117	84679	10.071	ng	97
19) n-Nitroso-di-n-propyla...	8.734	70	184417	10.263	ng	97
20) 3+4-Methylphenols	8.692	107	232542	9.492	ng	98
22) Acetophenone	8.751	105	359366	10.588	ng	# 97
24) Nitrobenzene	9.134	77	264648	10.151	ng	99
25) Isophorone	9.657	82	485645	10.040	ng	99
26) 2-Nitrophenol	9.839	139	95708	9.083	ng	94
27) 2,4-Dimethylphenol	9.898	122	157587	10.892	ng	98
28) bis(2-Chloroethoxy)met...	10.151	93	306241	10.367	ng	100
29) 2,4-Dichlorophenol	10.369	162	178036	9.647	ng	98
30) 1,2,4-Trichlorobenzene	10.586	180	209142	10.034	ng	99
31) Naphthalene	10.775	128	708519	10.148	ng	99
32) Benzoic acid	9.975	122	88616	11.471	ng	95
33) 4-Chloroaniline	10.892	127	303907	10.590	ng	100
34) Hexachlorobutadiene	11.051	225	111533	9.811	ng	99
35) Caprolactam	11.663	113	67923	8.975	ng	96
36) 4-Chloro-3-methylphenol	12.010	107	213862	9.463	ng	100
37) 2-Methylnaphthalene	12.386	142	479377	9.846	ng	99
38) 1-Methylnaphthalene	12.604	142	470726	9.685	ng	99
40) 1,2,4,5-Tetrachloroben...	12.751	216	235598	10.760	ng	100
41) Hexachlorocyclopentadiene	12.722	237	88065	12.229	ng	98
43) 2,4,6-Trichlorophenol	12.998	196	140561	9.499	ng	98

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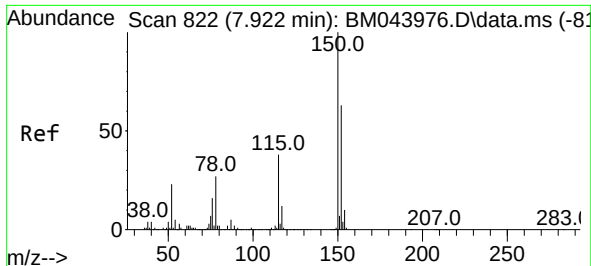
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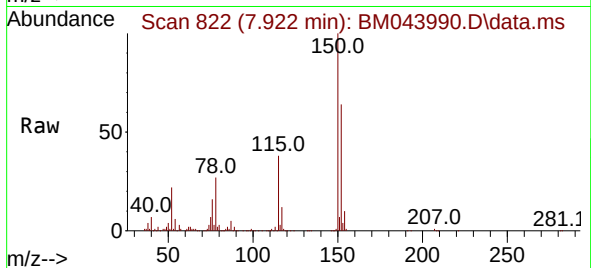
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	160078	9.482	ng	96
46) 1,1'-Biphenyl	13.404	154	642751	10.587	ng	99
47) 2-Chloronaphthalene	13.439	162	497708	10.280	ng	100
48) 2-Nitroaniline	13.651	65	149379	9.486	ng	96
49) Acenaphthylene	14.286	152	818726	11.062	ng	100
50) Dimethylphthalate	14.033	163	617211	10.292	ng	99
51) 2,6-Dinitrotoluene	14.151	165	124274	9.428	ng	98
52) Acenaphthene	14.627	154	475965	10.145	ng	98
53) 3-Nitroaniline	14.480	138	148271	9.689	ng	97
54) 2,4-Dinitrophenol	14.686	184	44578	12.370	ng	97
55) Dibenzofuran	14.963	168	767269	10.508	ng	99
56) 4-Nitrophenol	14.780	139	120427	9.005	ng	98
57) 2,4-Dinitrotoluene	14.933	165	161767	8.816	ng	94
58) Fluorene	15.615	166	629923	10.216	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.186	232	143773	9.878	ng	98
60) Diethylphthalate	15.398	149	618478	9.963	ng	99
61) 4-Chlorophenyl-phenyle...	15.615	204	291409	10.130	ng	99
62) 4-Nitroaniline	15.639	138	154302	9.222	ng	99
63) Azobenzene	15.910	77	640335	10.327	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	67949	11.808	ng	91
66) n-Nitrosodiphenylamine	15.833	169	538599	10.593	ng	99
67) 4-Bromophenyl-phenylether	16.510	248	130047	7.734	ng	95
68) Hexachlorobenzene	16.610	284	196867	9.819	ng	98
69) Atrazine	16.786	200	171215	12.171	ng	99
70) Pentachlorophenol	16.957	266	104423	7.932	ng	99
71) Phenanthrene	17.357	178	1010334	10.627	ng	100
72) Anthracene	17.451	178	976939	10.495	ng	99
73) Carbazole	17.727	167	966391	10.025	ng	100
74) Di-n-butylphthalate	18.304	149	1015147	9.602	ng	100
75) Fluoranthene	19.380	202	1143082	9.722	ng	99
77) Benzidine	19.580	184	484050	21.860	ng	99
78) Pyrene	19.745	202	1231059	10.261	ng	99
80) Butylbenzylphthalate	20.662	149	443338	9.332	ng	96
81) Benzo(a)anthracene	21.497	228	1276675	10.427	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	409734	10.465	ng	98
83) Chrysene	21.550	228	1192544	10.166	ng	99
84) Bis(2-ethylhexyl)phtha...	21.450	149	682165	9.656	ng	100
85) Di-n-octyl phthalate	22.397	149	1112315	9.140	ng	99
87) Indeno(1,2,3-cd)pyrene	26.427	276	1463570	9.796	ng	100
88) Benzo(b)fluoranthene	23.191	252	1239218	9.867	ng	99
89) Benzo(k)fluoranthene	23.244	252	1247420	10.353	ng	100
90) Benzo(a)pyrene	23.821	252	1098017	9.891	ng	99
91) Dibenzo(a,h)anthracene	26.456	278	1208797	9.811	ng	100
92) Benzo(g,h,i)perylene	27.191	276	1166391	9.281	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: BM043990.D
Acq: 06 Feb 2024 14:03

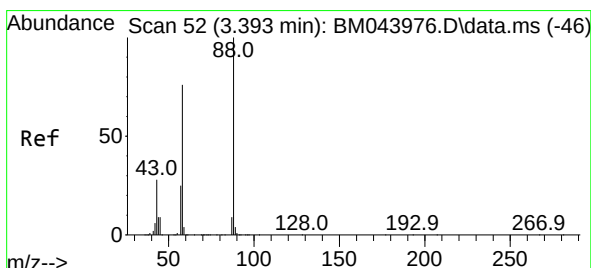
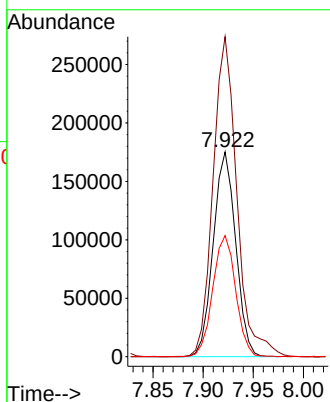
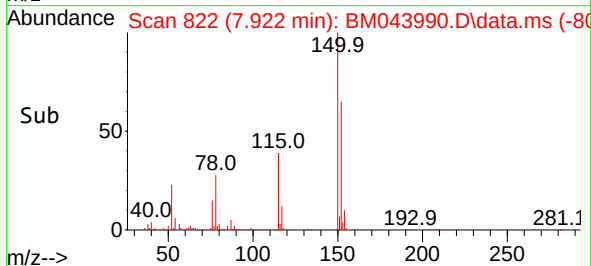
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:152 Resp: 272940
Ion Ratio Lower Upper
152 100
150 156.2 126.1 189.1
115 59.1 48.2 72.2

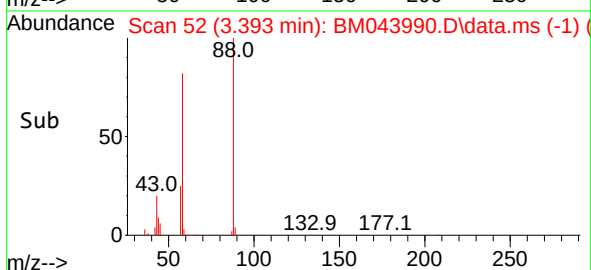
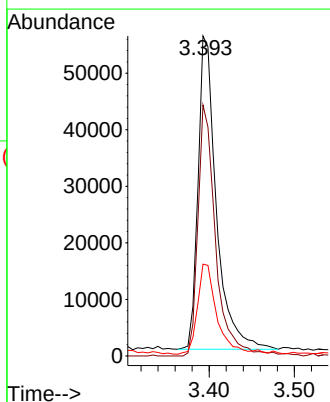
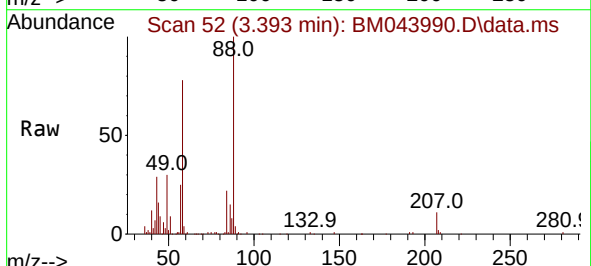
Manual Integrations
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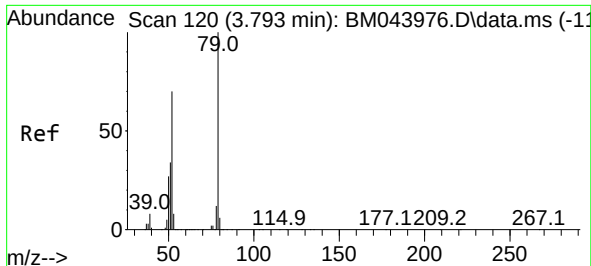
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#2
1,4-Dioxane
Concen: 11.586 ng
RT: 3.393 min Scan# 52
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

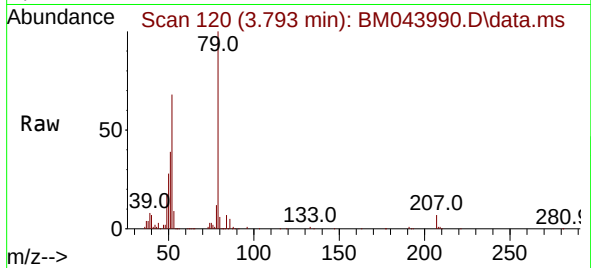
Tgt Ion: 88 Resp: 82761
Ion Ratio Lower Upper
88 100
58 77.8 61.0 91.6
43 30.8 23.0 34.6





#3
Pyridine
Concen: 9.751 ng
RT: 3.793 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

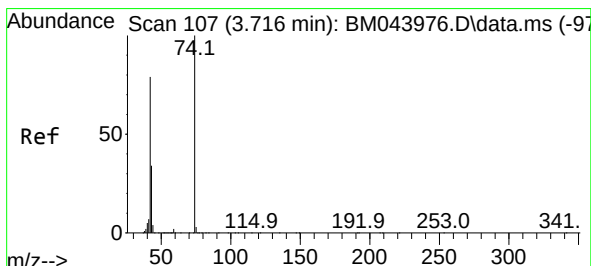
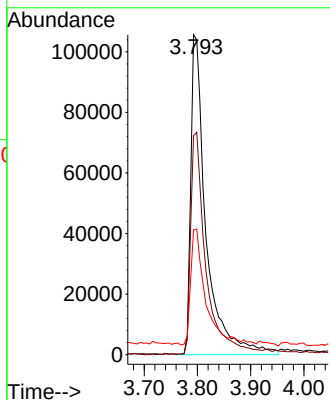
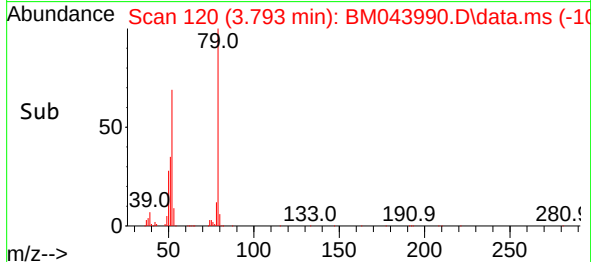
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



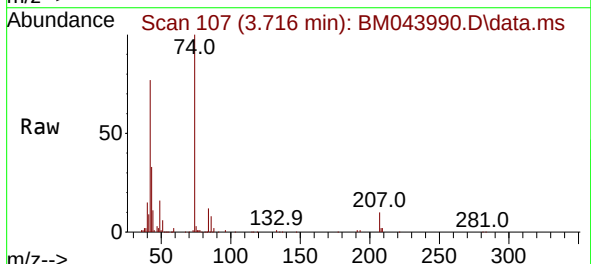
Tgt Ion: 79 Resp: 21196
Ion Ratio Lower Upper
79 100
52 68.5 55.9 83.9
51 39.1 28.2 42.2

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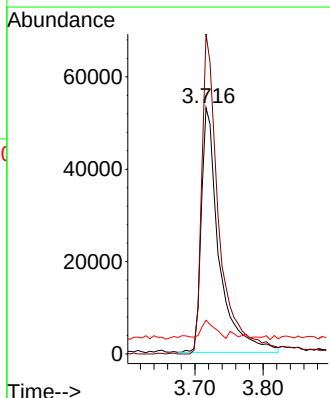
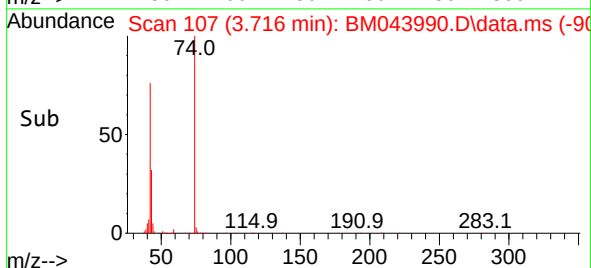
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

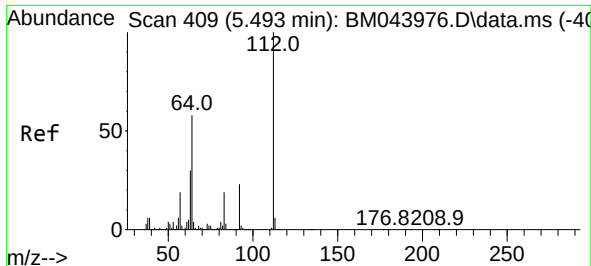


#4
n-Nitrosodimethylamine
Concen: 10.245 ng
RT: 3.716 min Scan# 107
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



Tgt Ion: 42 Resp: 95736
Ion Ratio Lower Upper
42 100
74 129.9 100.7 151.1
44 13.7 7.3 10.9#





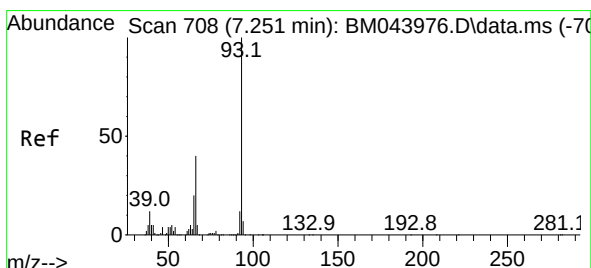
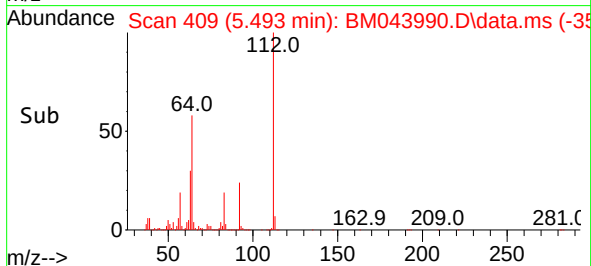
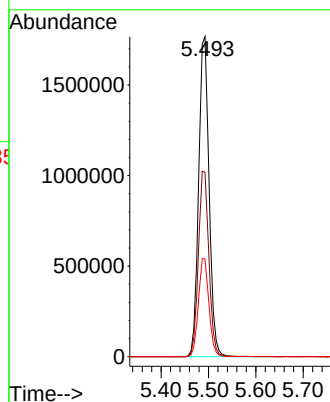
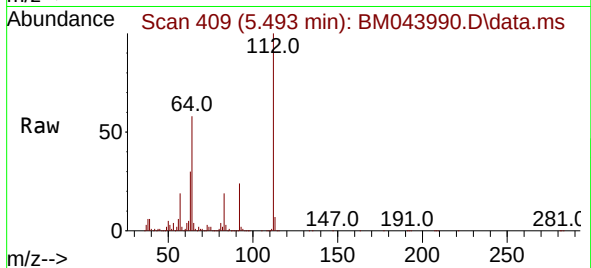
#5
2-Fluorophenol
Concen: 146.376 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:112 Resp: 270541
Ion Ratio Lower Upper
112 100
64 57.6 46.6 70.0
63 30.5 24.2 36.4

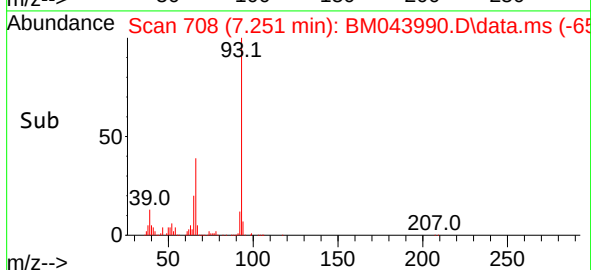
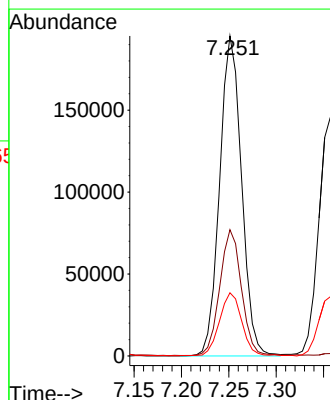
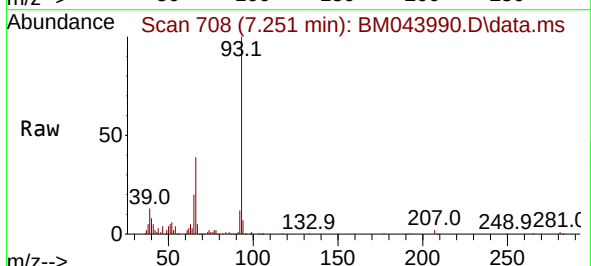
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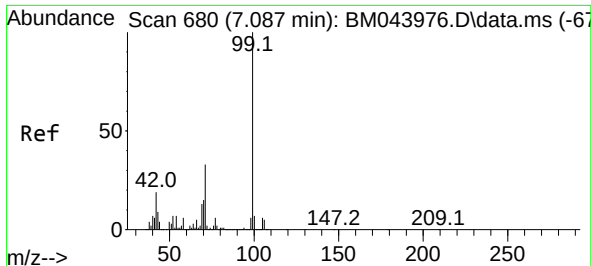
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#6
Aniline
Concen: 11.567 ng
RT: 7.251 min Scan# 708
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

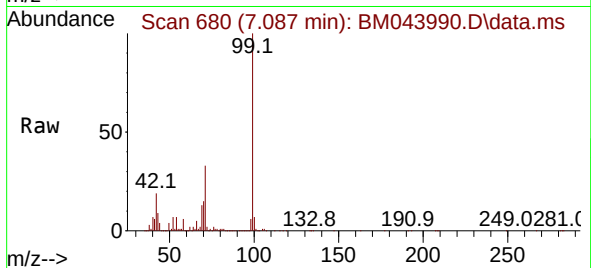
Tgt Ion: 93 Resp: 314303
Ion Ratio Lower Upper
93 100
66 39.4 32.2 48.2
65 19.8 15.8 23.8





#7
Phenol-d6
Concen: 137.028 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

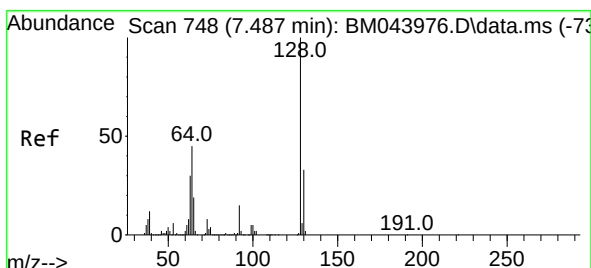
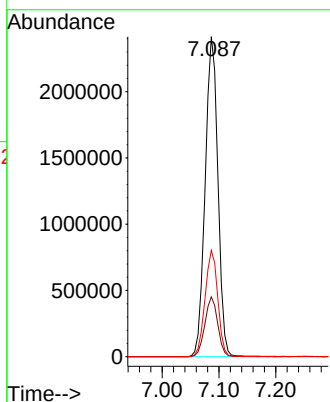
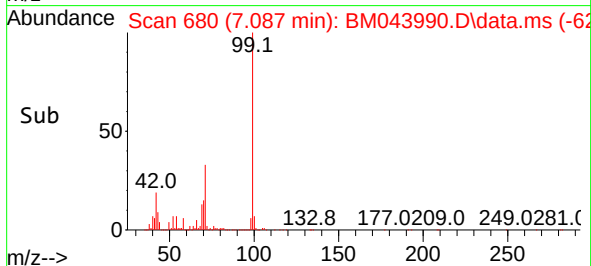
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 99 Resp: 3742020
Ion Ratio Lower Upper
99 100
42 18.7 14.9 22.3
71 33.2 26.3 39.5

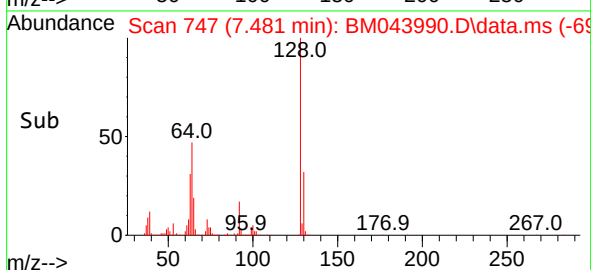
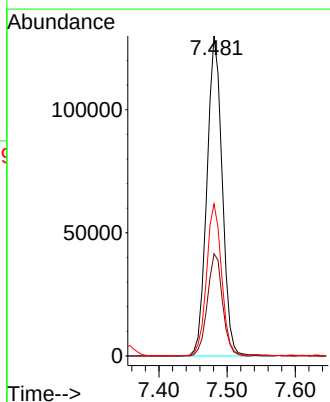
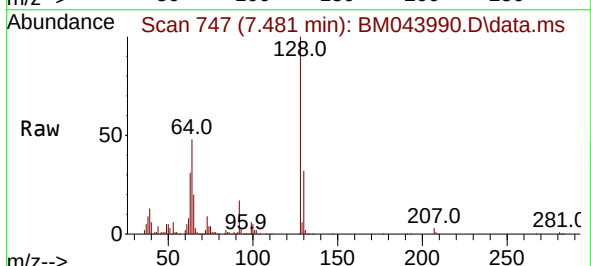
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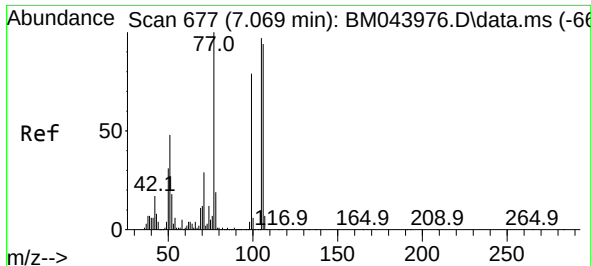
Reviewed By :Jagrut Upadhyay 02/07/2024
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#8
2-Chlorophenol
Concen: 9.898 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

Tgt Ion:128 Resp: 203119
Ion Ratio Lower Upper
128 100
130 32.0 12.9 52.9
64 47.5 25.6 65.6





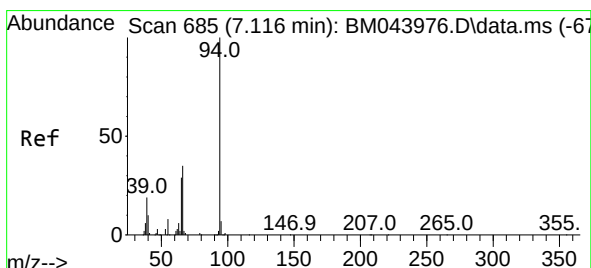
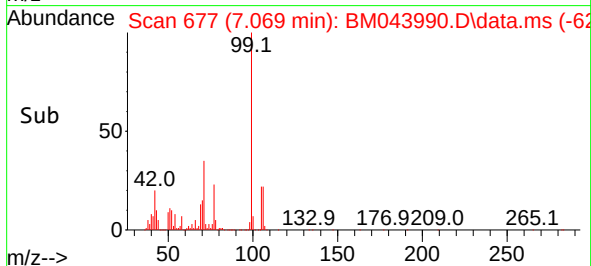
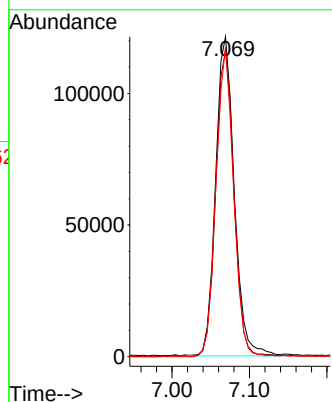
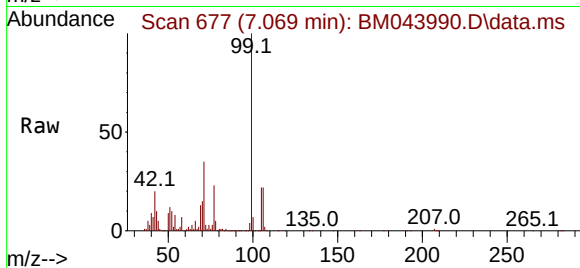
#9
Benzaldehyde
Concen: 13.030 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 77 Resp: 20285
Ion Ratio Lower Upper
77 100
105 95.6 77.4 117.4
106 96.8 73.5 113.5

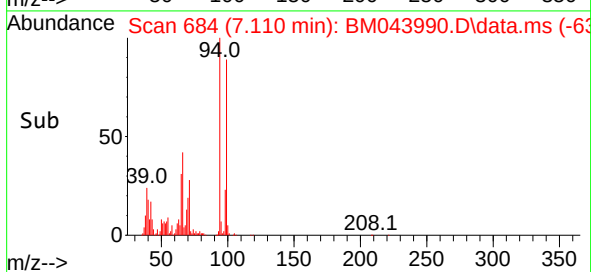
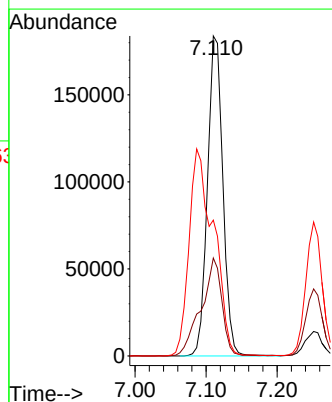
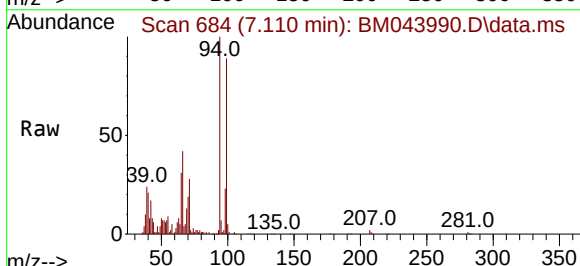
Manual Integrations
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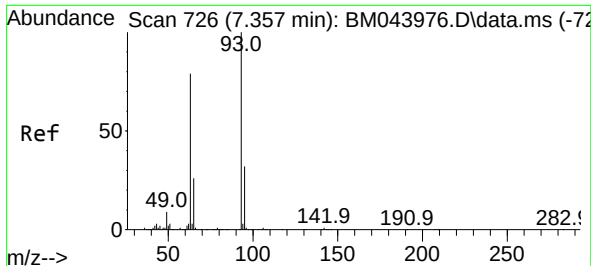
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#10
Phenol
Concen: 10.233 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

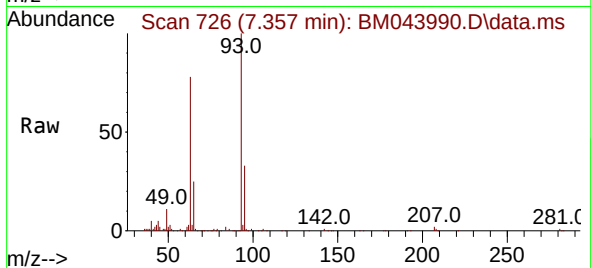
Tgt Ion: 94 Resp: 277853
Ion Ratio Lower Upper
94 100
65 30.6 9.3 49.3
66 42.4 15.7 55.7





#11
bis(2-Chloroethyl)ether
Concen: 10.380 ng
RT: 7.357 min Scan# 726
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

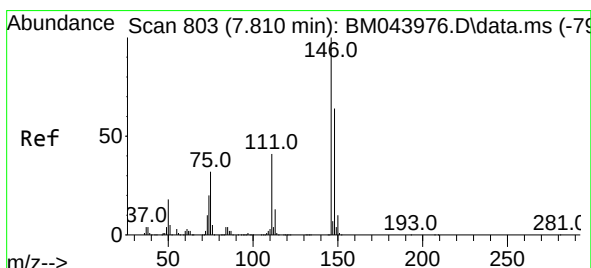
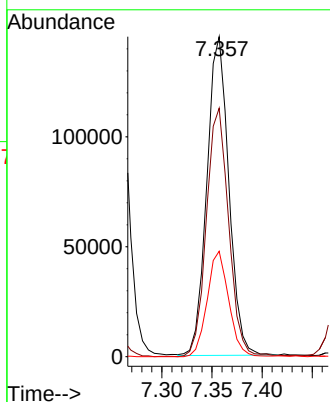
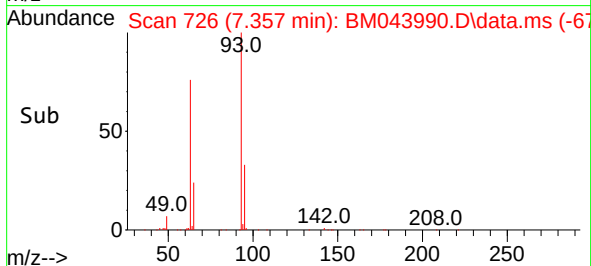
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 93 Resp: 220905
Ion Ratio Lower Upper
93 100
63 77.7 59.0 99.0
95 32.9 11.9 51.9

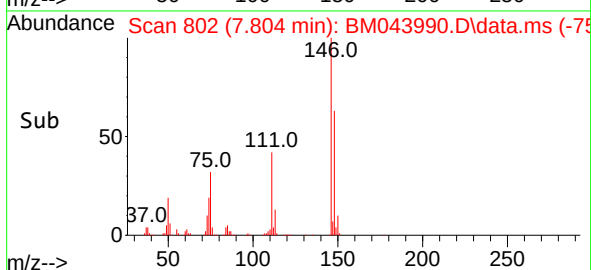
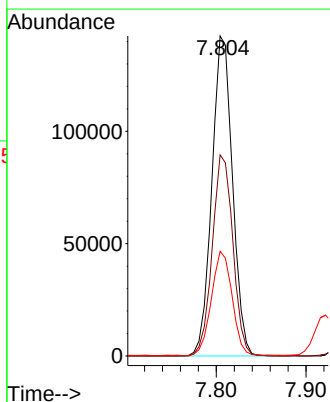
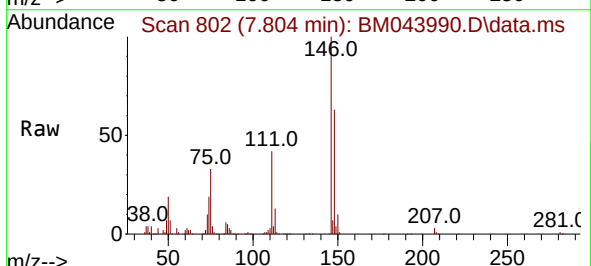
Manual Integrations
APPROVED

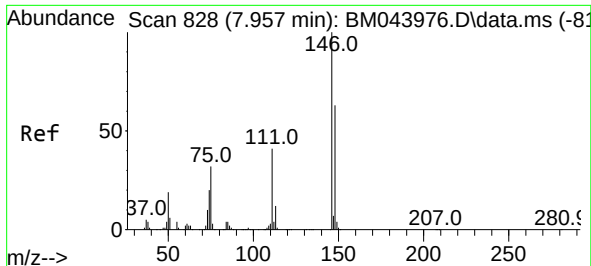
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#12
1,3-Dichlorobenzene
Concen: 10.260 ng
RT: 7.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

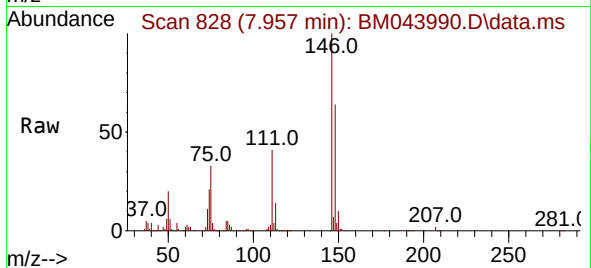
Tgt Ion:146 Resp: 227323
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.6
75 32.7 26.1 39.1





#13
1,4-Dichlorobenzene
Concen: 10.494 ng
RT: 7.957 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

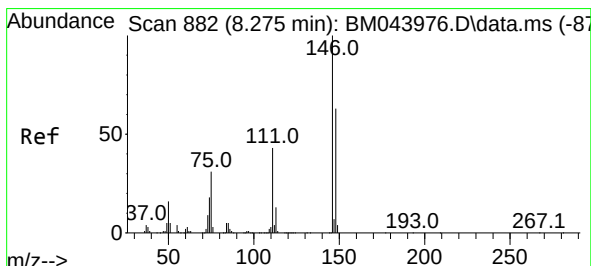
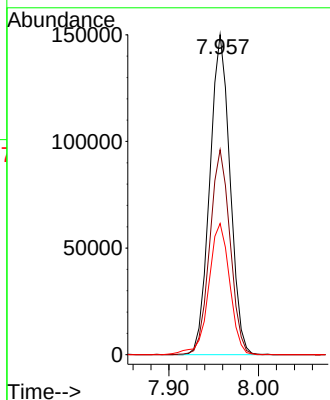
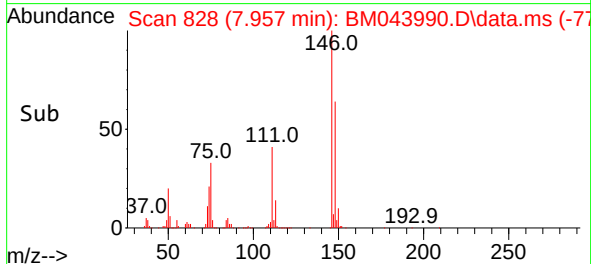
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



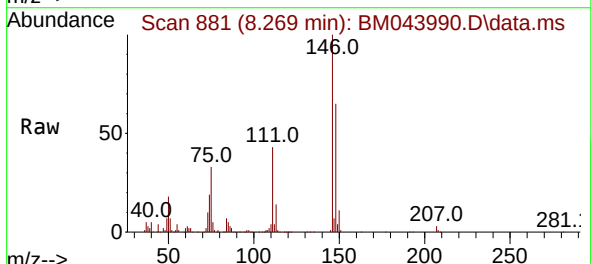
Tgt Ion:146 Resp: 235128
Ion Ratio Lower Upper
146 100
148 64.1 50.7 76.1
111 41.0 32.6 49.0

Manual Integrations
APPROVED

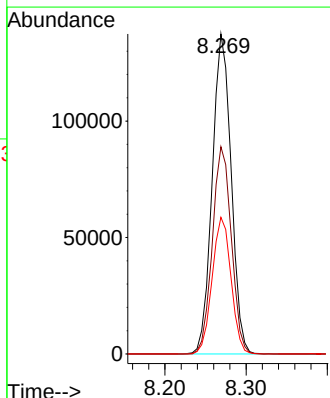
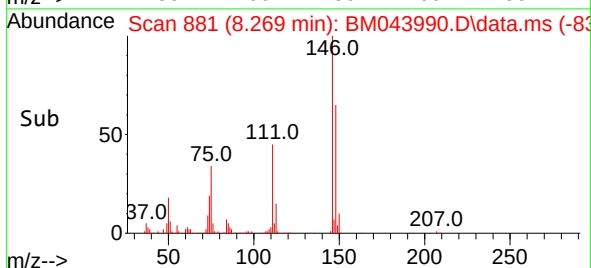
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

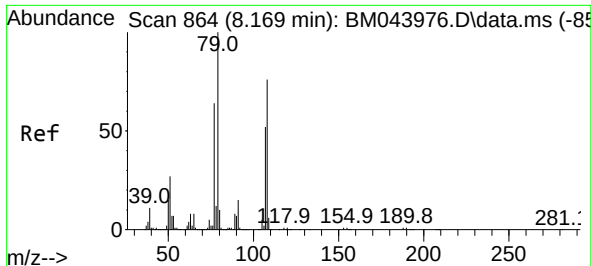


#14
1,2-Dichlorobenzene
Concen: 10.088 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



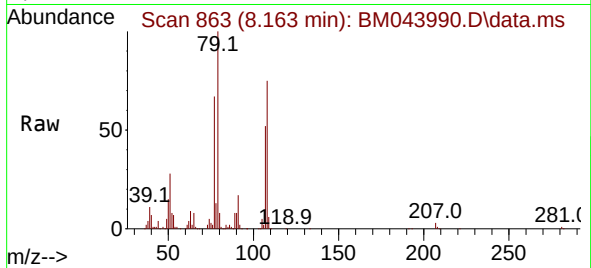
Tgt Ion:146 Resp: 222909
Ion Ratio Lower Upper
146 100
148 64.8 50.3 75.5
111 42.7 34.3 51.5





#15
Benzyl Alcohol
Concen: 10.306 ng
RT: 8.163 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

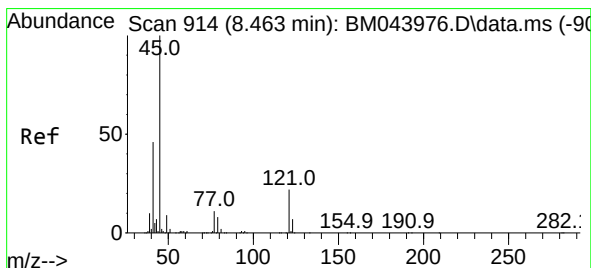
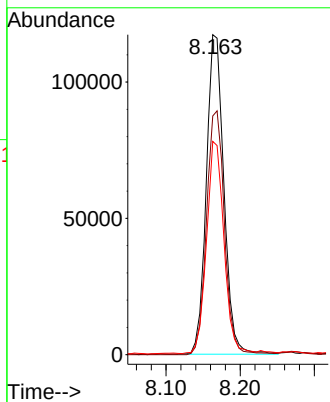
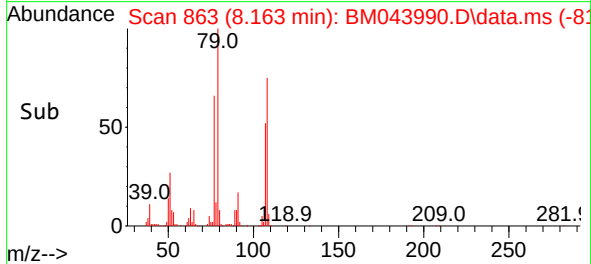
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 79 Resp: 192912
Ion Ratio Lower Upper
79 100
108 74.6 60.7 91.1
77 66.7 50.9 76.3

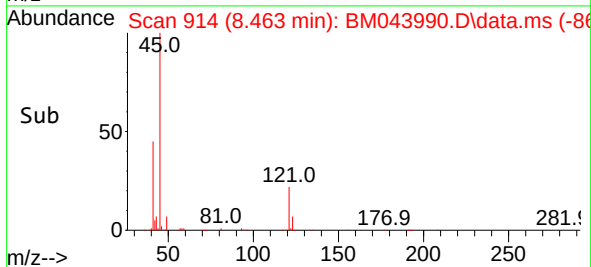
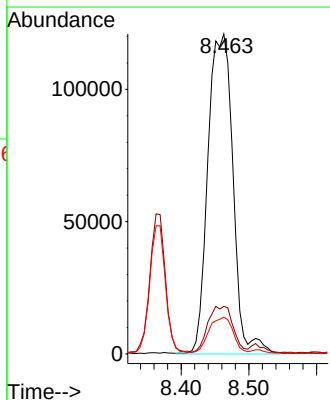
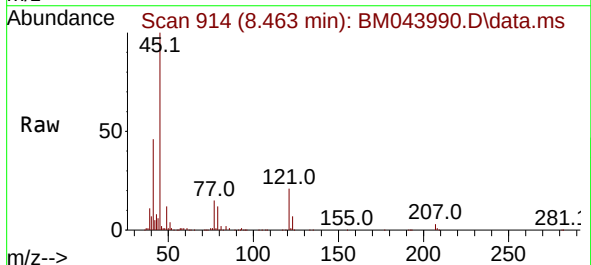
Manual Integrations
APPROVED

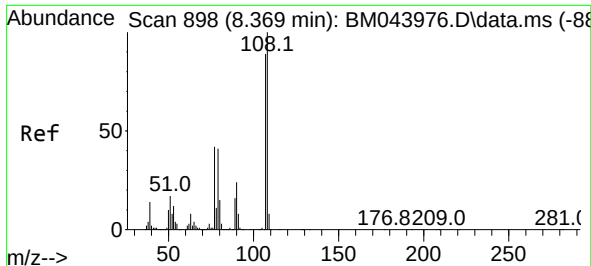
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.909 ng m
RT: 8.463 min Scan# 914
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

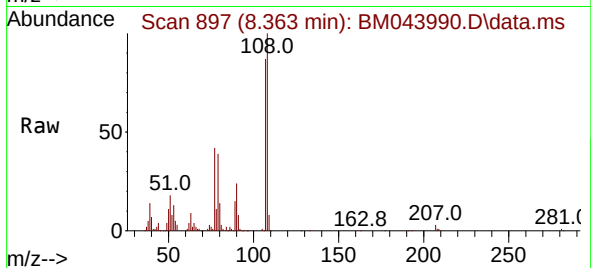
Tgt Ion: 45 Resp: 311336
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.4
79 11.5 0.0 31.2





#17
2-Methylphenol
Concen: 9.804 ng
RT: 8.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

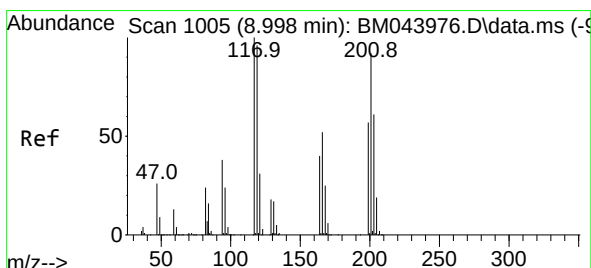
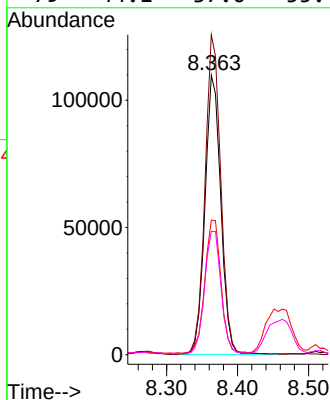
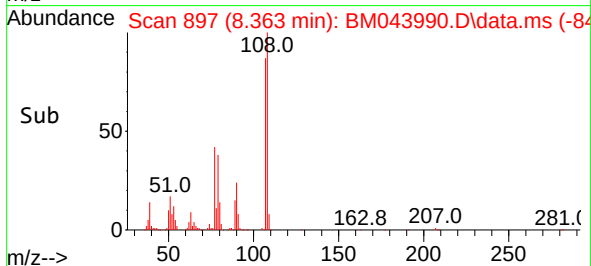
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:107 Resp: 17015
Ion Ratio Lower Upper
107 100
108 114.5 90.4 135.6
77 48.2 38.0 57.0
79 44.1 37.0 55.4

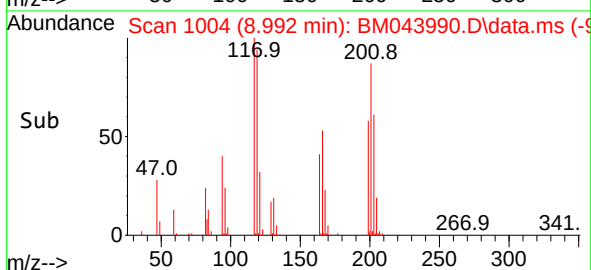
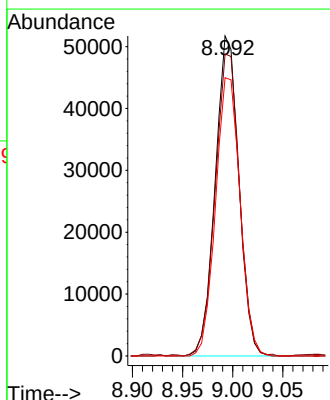
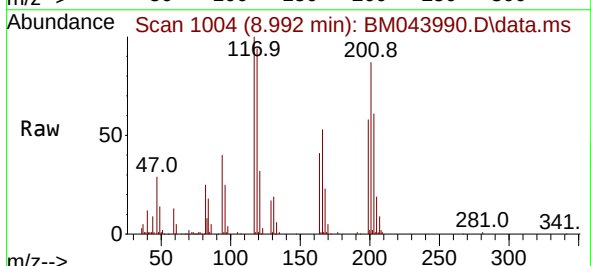
Manual Integrations
APPROVED

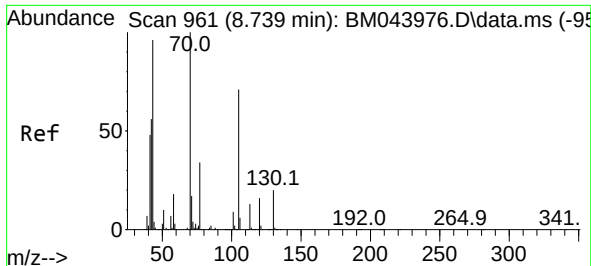
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#18
Hexachloroethane
Concen: 10.071 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

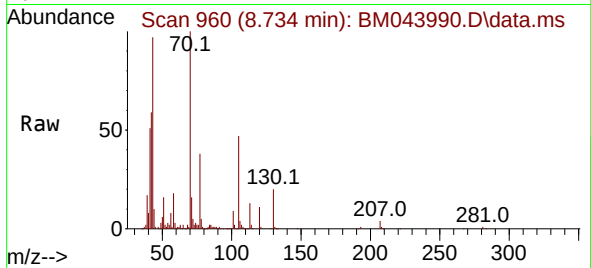
Tgt Ion:117 Resp: 84679
Ion Ratio Lower Upper
117 100
119 94.4 76.7 115.1
201 87.0 73.4 110.2





#19
n-Nitroso-di-n-propylamine
Concen: 10.263 ng
RT: 8.734 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

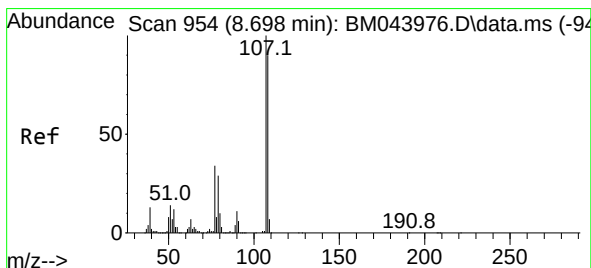
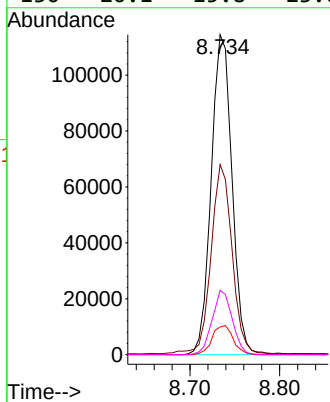
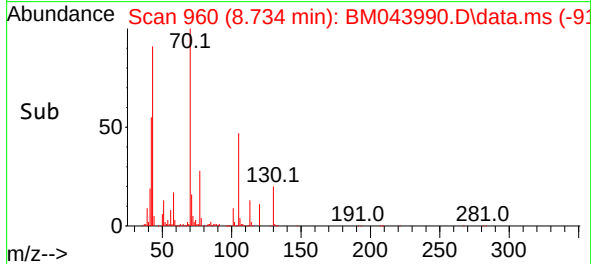
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 70 Resp: 18441
Ion Ratio Lower Upper
70 100
42 59.4 45.6 68.4
101 8.7 7.5 11.3
130 20.1 15.8 23.6

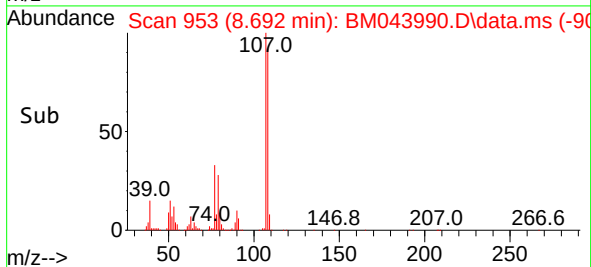
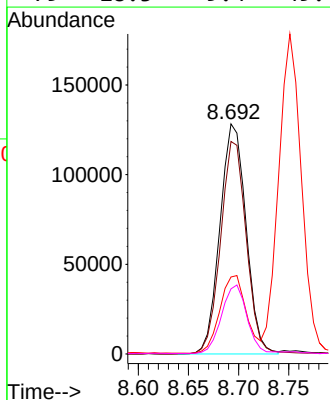
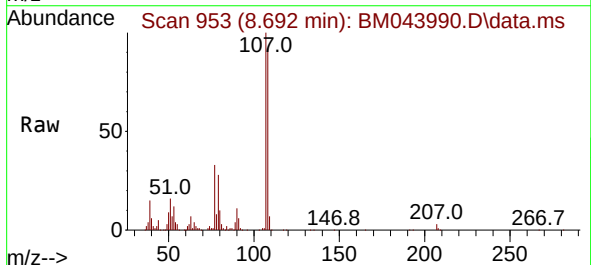
Manual Integrations
APPROVED

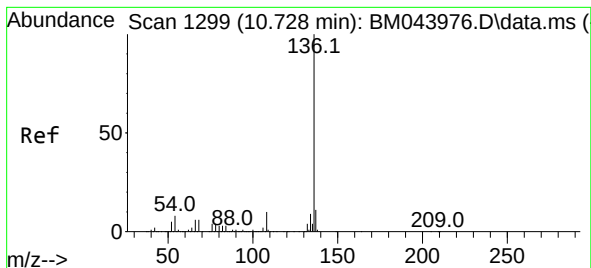
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#20
3+4-Methylphenols
Concen: 9.492 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

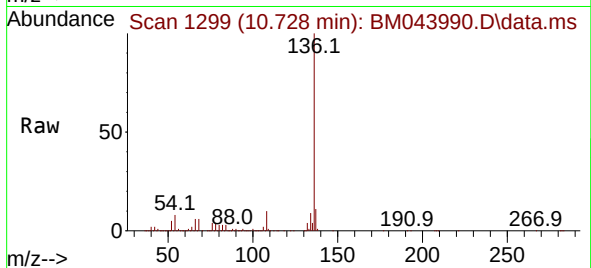
Tgt Ion:107 Resp: 232542
Ion Ratio Lower Upper
107 100
108 92.3 70.3 110.3
77 33.4 14.0 54.0
79 28.3 9.4 49.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1299
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

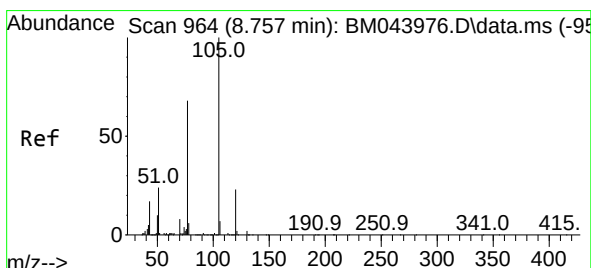
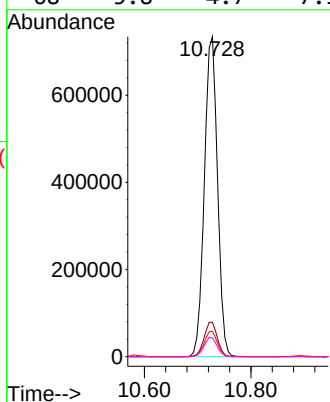
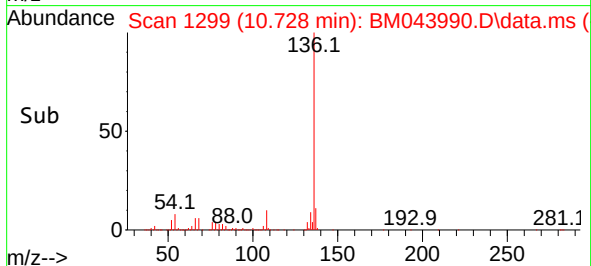
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:136 Resp: 125263
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.9 6.5 9.7
68 5.8 4.7 7.1

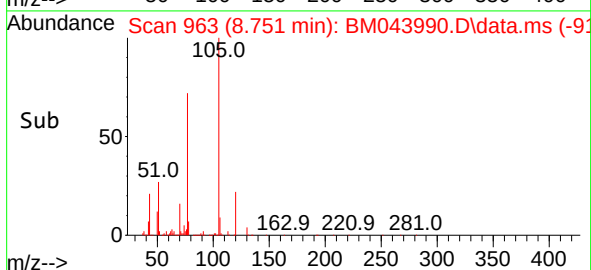
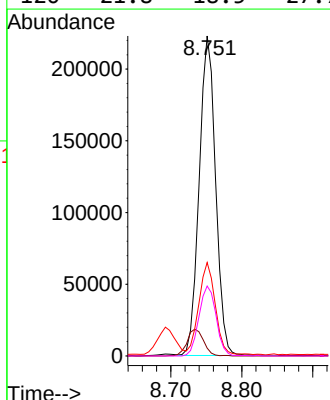
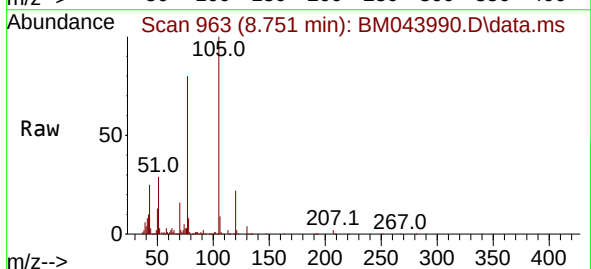
Manual Integrations
APPROVED

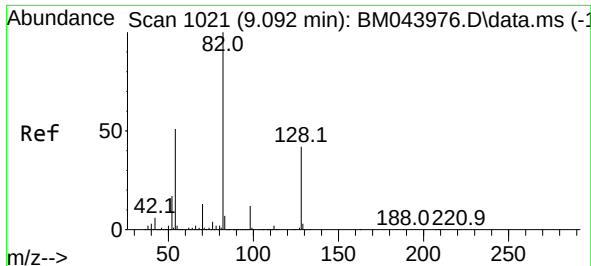
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#22
Acetophenone
Concen: 10.588 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

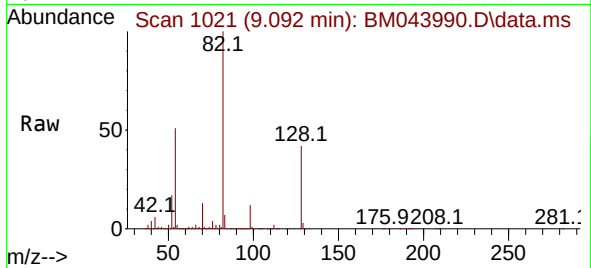
Tgt Ion:105 Resp: 359366
Ion Ratio Lower Upper
105 100
71 2.5 1.6 2.4#
51 29.2 21.8 32.6
120 21.8 18.5 27.7





#23
Nitrobenzene-d5
Concen: 83.348 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

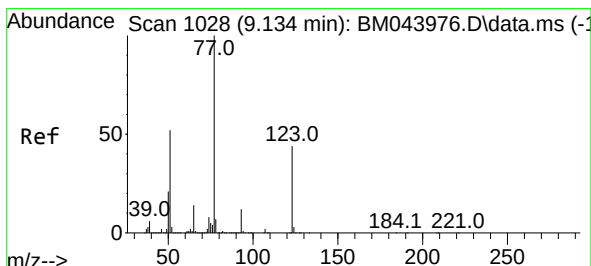
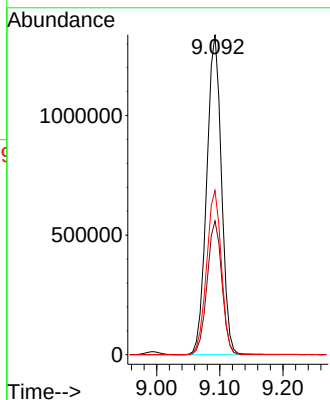
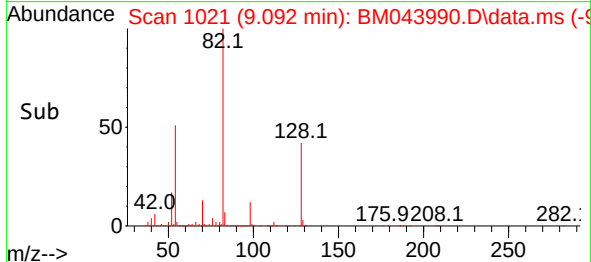
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



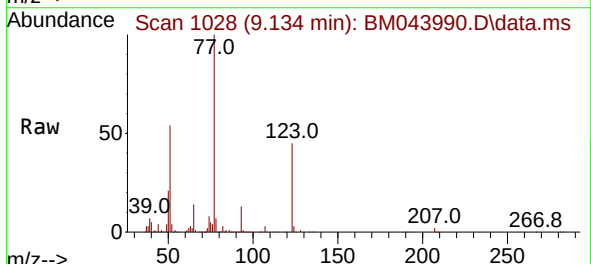
Tgt Ion: 82 Resp: 2165828
Ion Ratio Lower Upper
82 100
128 41.8 33.9 50.9
54 51.3 41.1 61.7

Manual Integrations
APPROVED

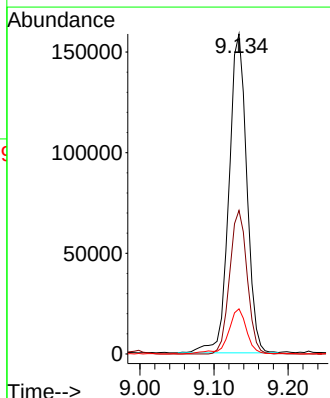
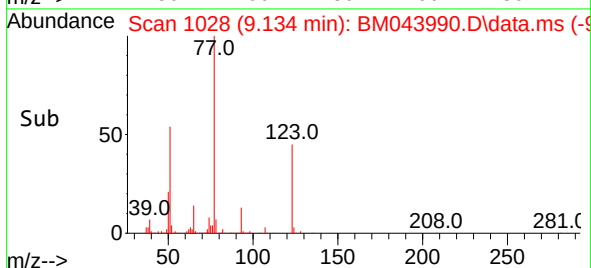
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

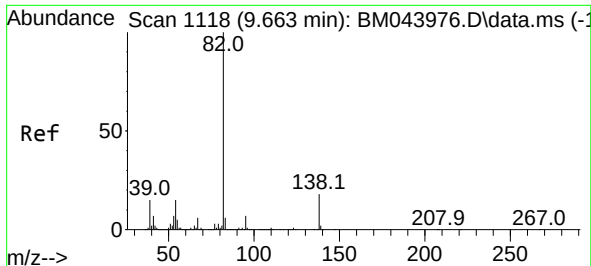


#24
Nitrobenzene
Concen: 10.151 ng
RT: 9.134 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



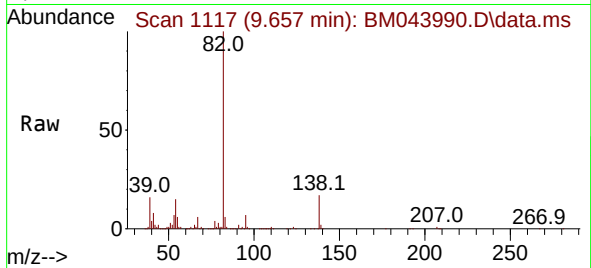
Tgt Ion: 77 Resp: 264648
Ion Ratio Lower Upper
77 100
123 44.8 35.3 52.9
65 14.1 10.9 16.3





#25
Isophorone
Concen: 10.040 ng
RT: 9.657 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

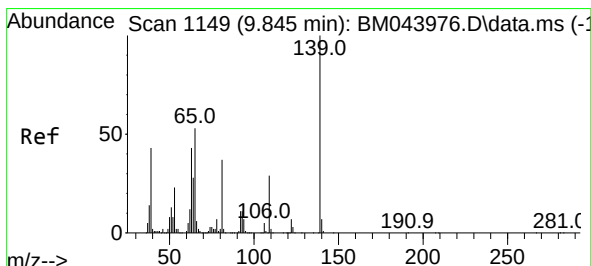
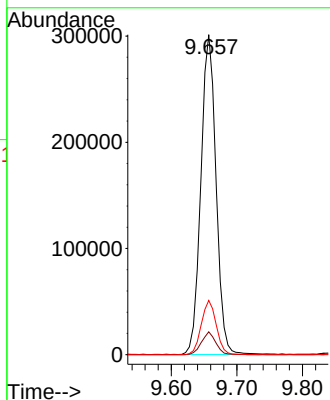
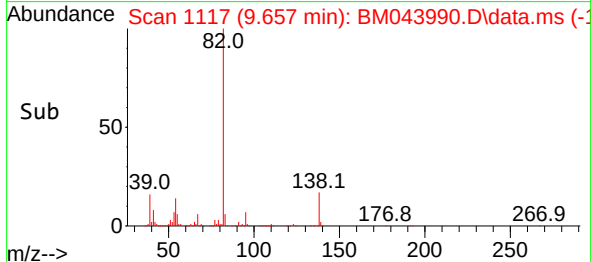
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



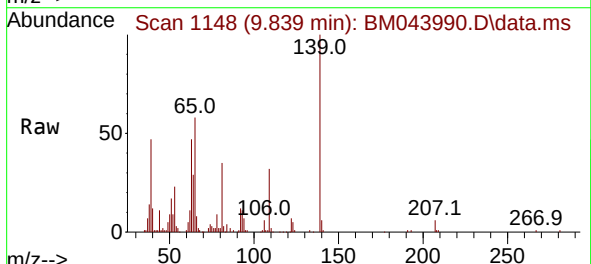
Tgt Ion: 82 Resp: 48564
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 17.0 14.2 21.2

Manual Integrations
APPROVED

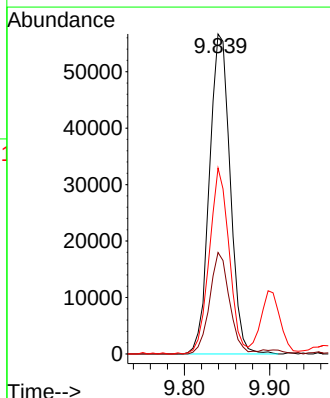
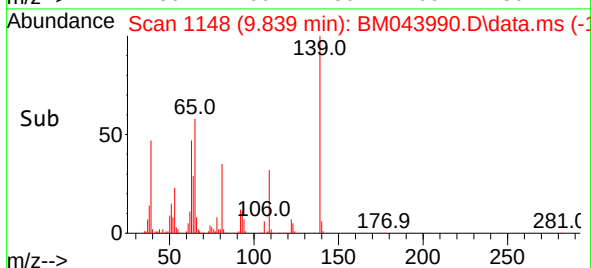
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

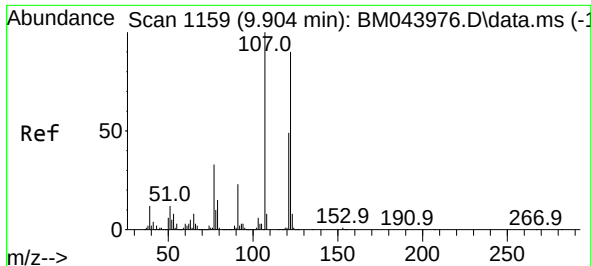


#26
2-Nitrophenol
Concen: 9.083 ng
RT: 9.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



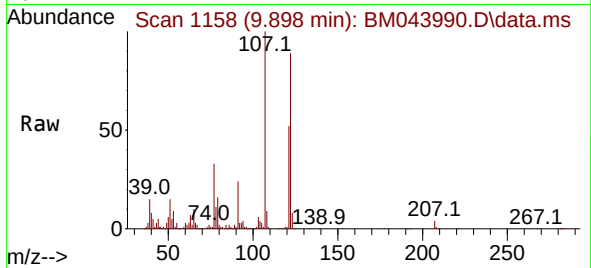
Tgt Ion:139 Resp: 95708
Ion Ratio Lower Upper
139 100
109 31.7 23.3 34.9
65 58.1 42.5 63.7





#27
2,4-Dimethylphenol
Concen: 10.892 ng
RT: 9.898 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

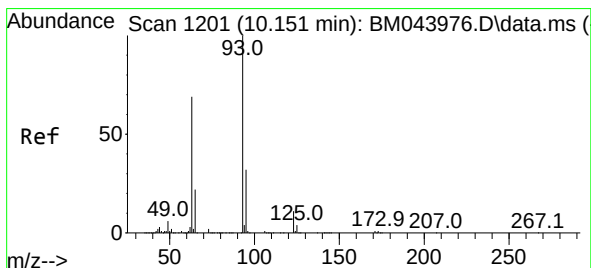
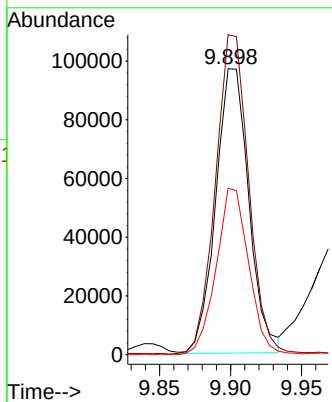
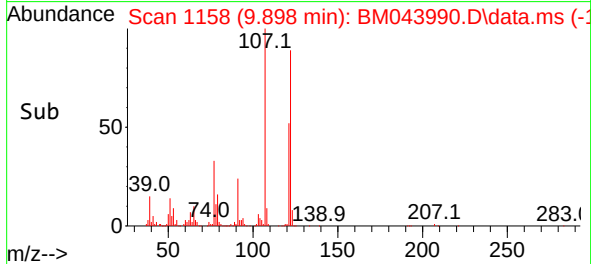
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:122 Resp: 15758
Ion Ratio Lower Upper
122 100
107 111.9 89.0 133.4
121 58.2 43.4 65.0

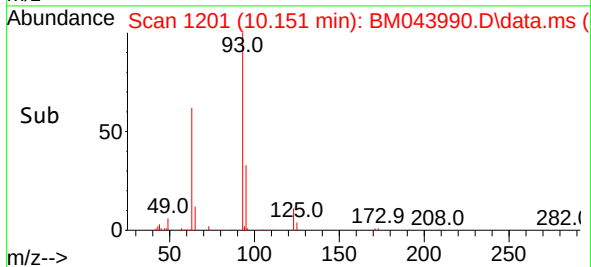
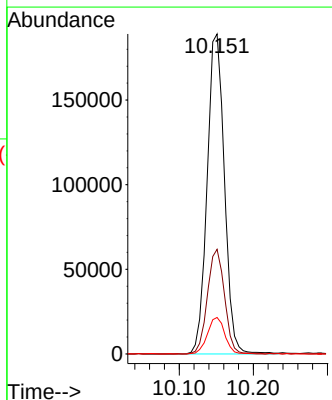
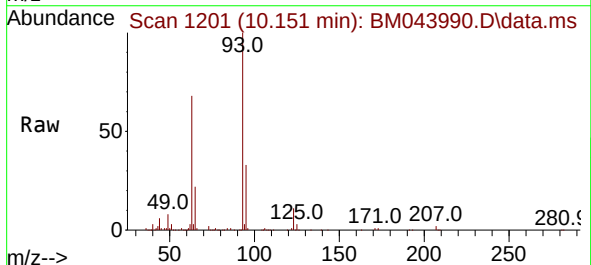
Manual Integrations
APPROVED

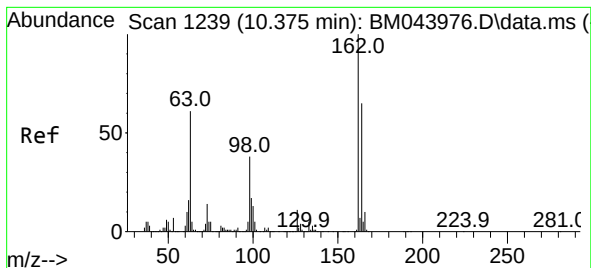
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#28
bis(2-Chloroethoxy)methane
Concen: 10.367 ng
RT: 10.151 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

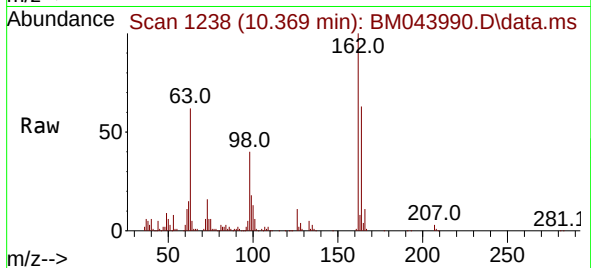
Tgt Ion: 93 Resp: 306241
Ion Ratio Lower Upper
93 100
95 32.7 25.9 38.9
123 11.4 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 9.647 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

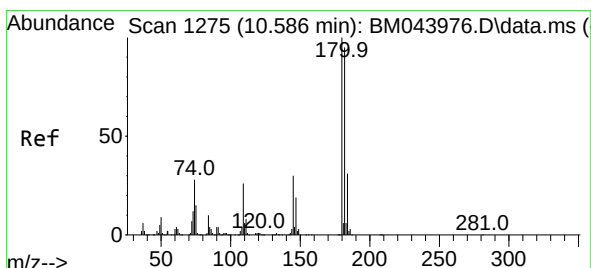
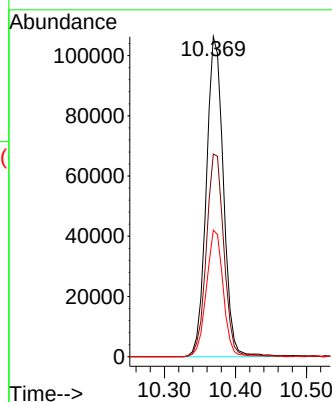
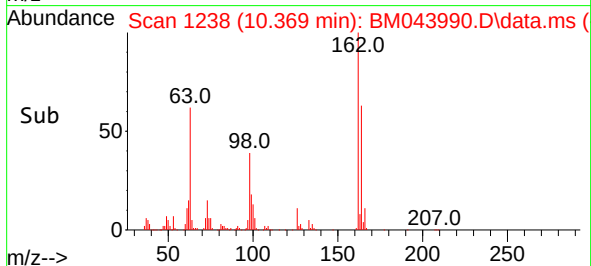
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:162 Resp: 178036
Ion Ratio Lower Upper
162 100
164 63.4 45.1 85.1
98 39.5 17.8 57.8

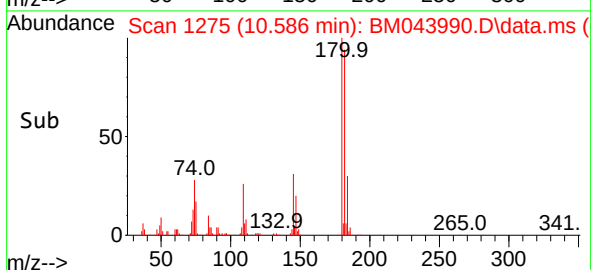
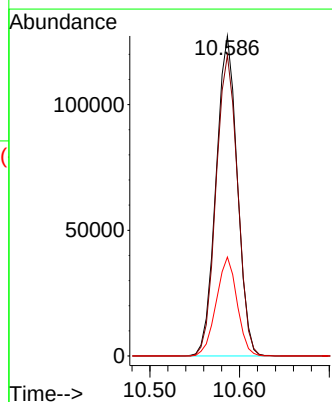
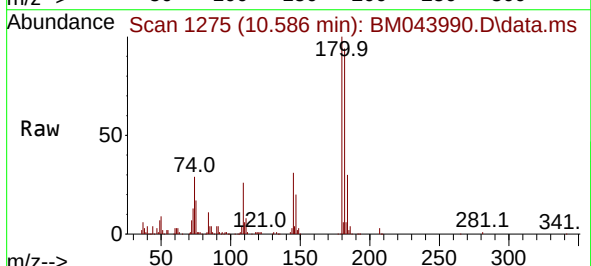
Manual Integrations
APPROVED

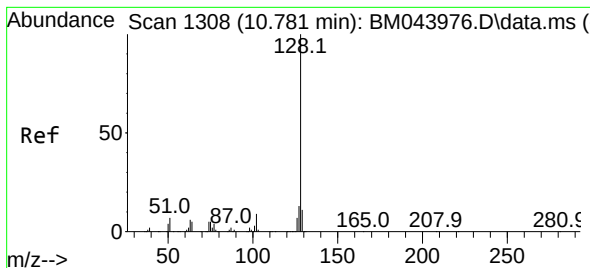
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#30
1,2,4-Trichlorobenzene
Concen: 10.034 ng
RT: 10.586 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

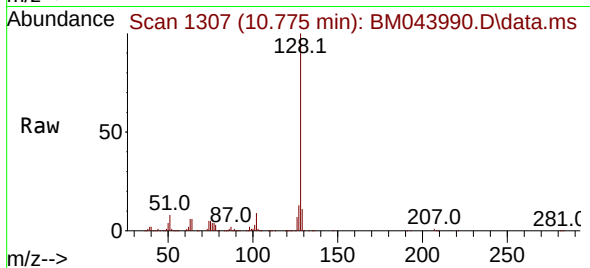
Tgt Ion:180 Resp: 209142
Ion Ratio Lower Upper
180 100
182 94.0 76.0 114.0
145 30.9 24.2 36.2





#31
Naphthalene
Concen: 10.148 ng
RT: 10.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

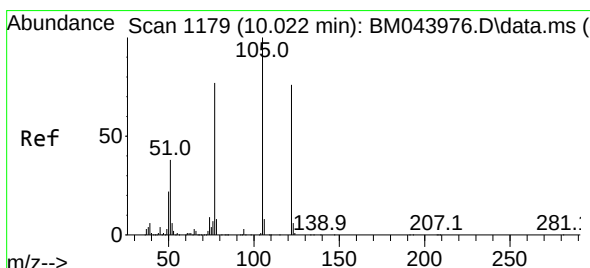
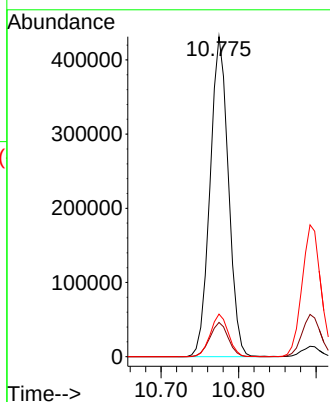
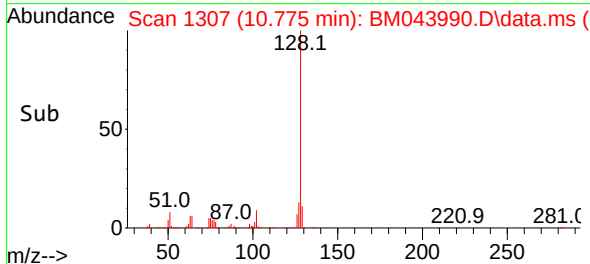
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:128 Resp: 708519
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 13.3 10.1 15.1

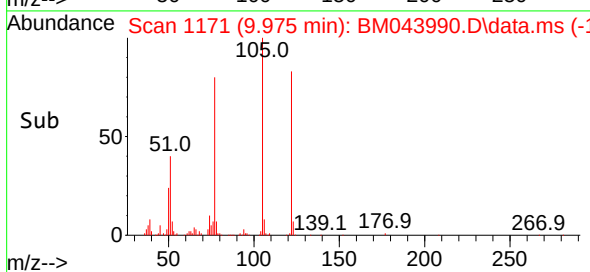
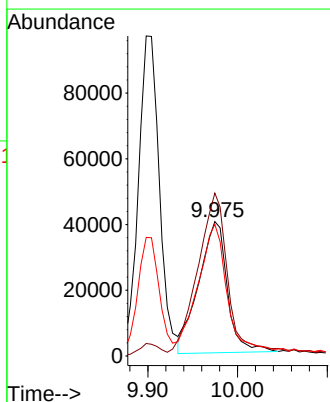
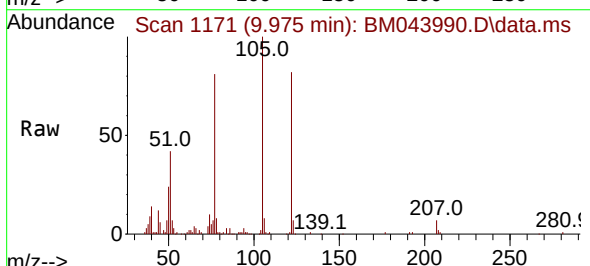
Manual Integrations
APPROVED

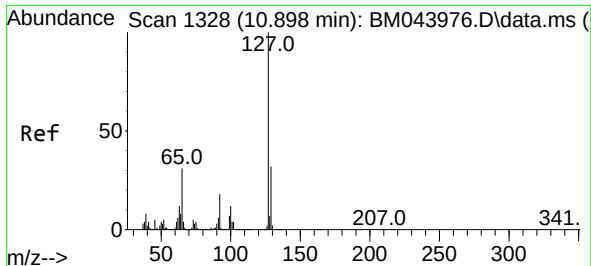
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#32
Benzoic acid
Concen: 11.471 ng
RT: 9.975 min Scan# 1171
Delta R.T. -0.047 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

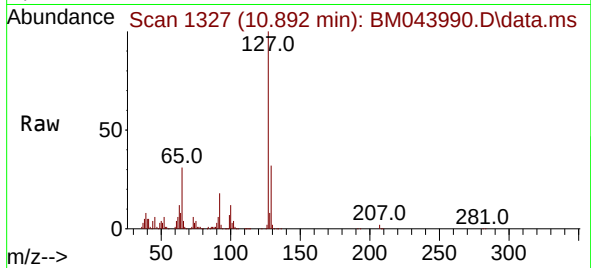
Tgt Ion:122 Resp: 88616
Ion Ratio Lower Upper
122 100
105 121.2 109.4 149.4
77 98.0 80.5 120.5





#33
4-Chloroaniline
Concen: 10.590 ng
RT: 10.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

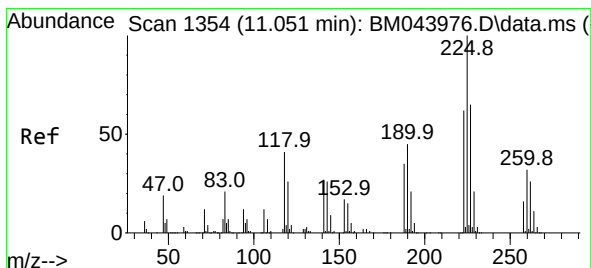
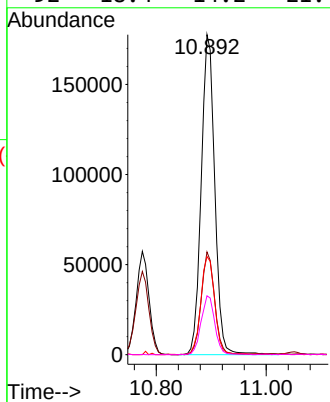
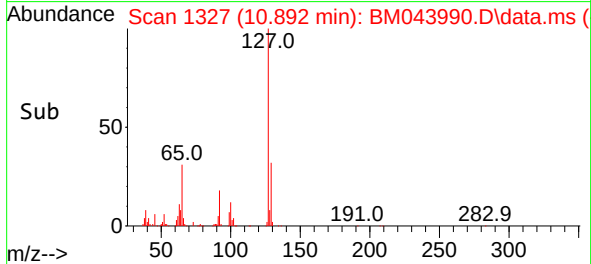
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:	127	Resp:	30390
Ion Ratio	Lower	Upper	
127	100		
129	32.1	25.6	38.4
65	30.7	24.5	36.7
92	18.4	14.2	21.4

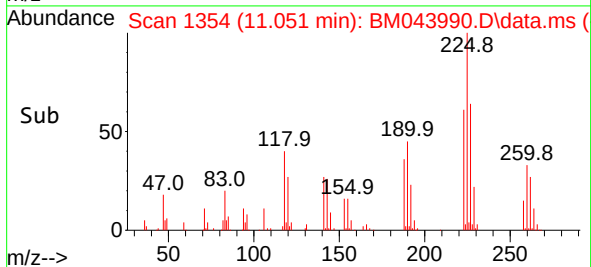
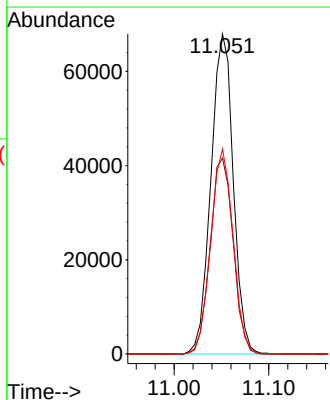
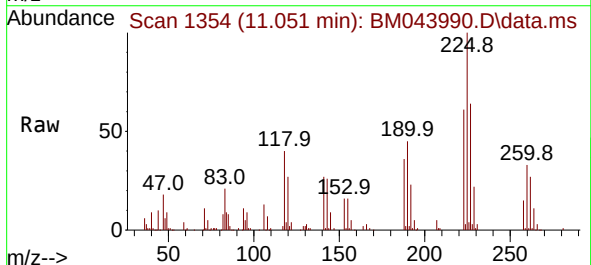
Manual Integrations
APPROVED

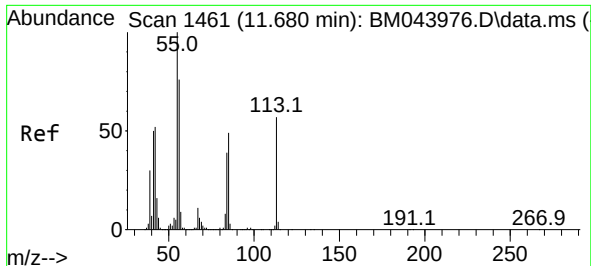
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#34
Hexachlorobutadiene
Concen: 9.811 ng
RT: 11.051 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

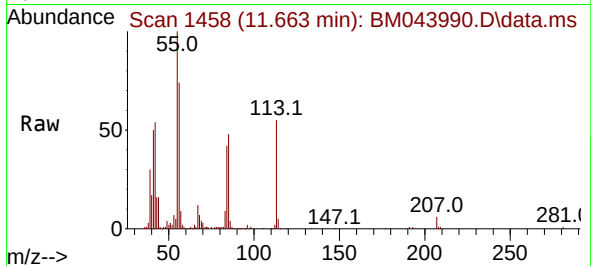
Tgt Ion:	225	Resp:	111533
Ion Ratio	Lower	Upper	
225	100		
223	61.2	49.8	74.8
227	64.0	51.7	77.5





#35
Caprolactam
Concen: 8.975 ng
RT: 11.663 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

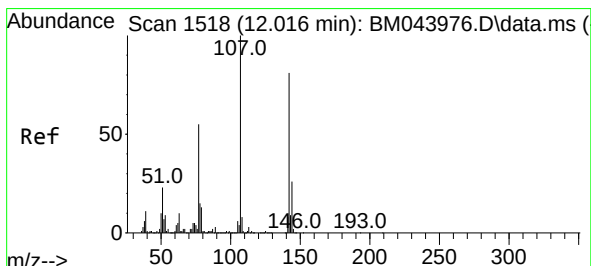
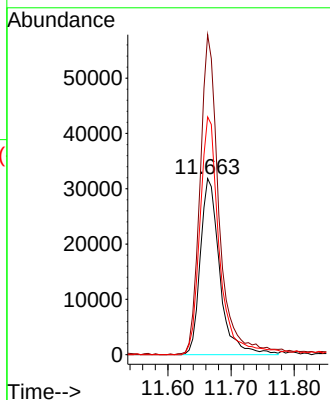
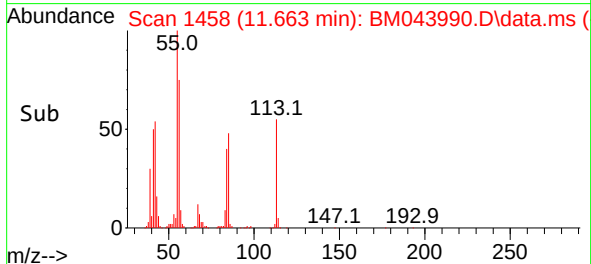
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



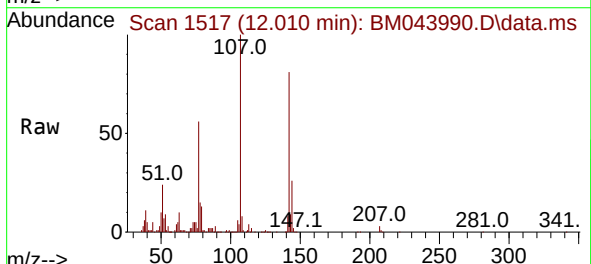
Tgt Ion:113 Resp: 6792
Ion Ratio Lower Upper
113 100
55 181.6 154.3 194.3
56 134.9 112.2 152.2

Manual Integrations
APPROVED

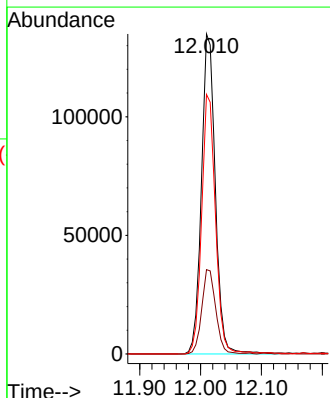
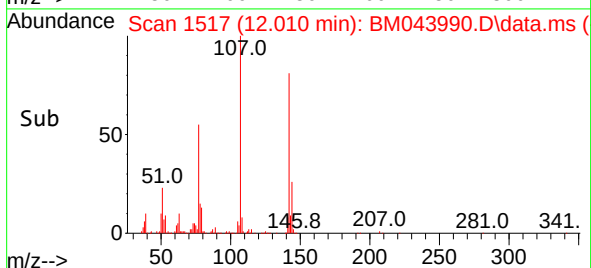
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

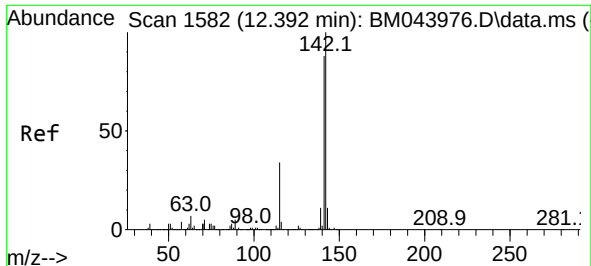


#36
4-Chloro-3-methylphenol
Concen: 9.463 ng
RT: 12.010 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



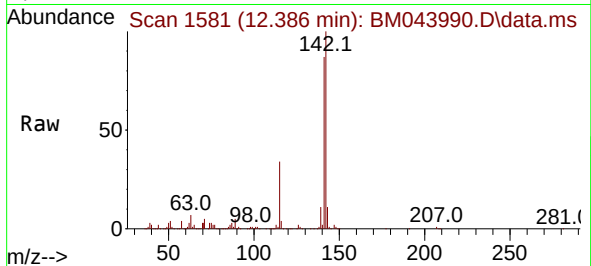
Tgt Ion:107 Resp: 213862
Ion Ratio Lower Upper
107 100
144 26.3 21.1 31.7
142 81.1 65.0 97.4





#37
2-Methylnaphthalene
Concen: 9.846 ng
RT: 12.386 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

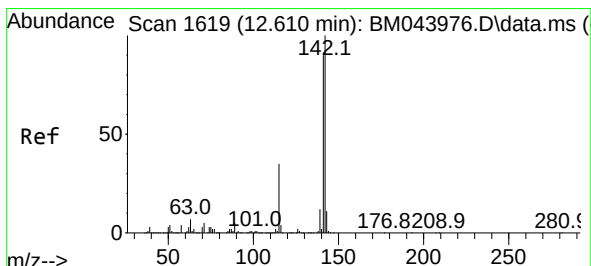
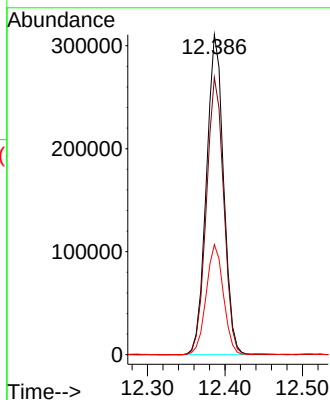
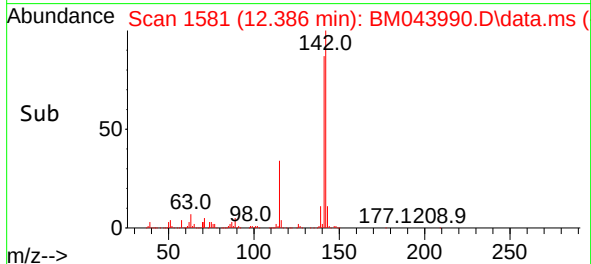
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



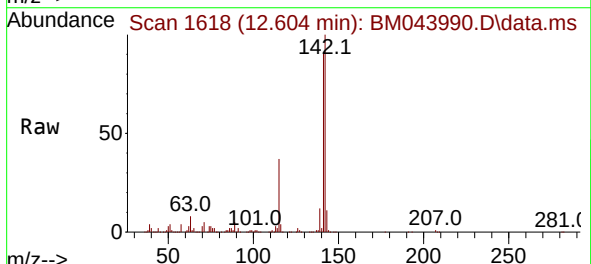
Tgt Ion:142 Resp: 47937
Ion Ratio Lower Upper
142 100
141 86.7 70.2 105.2
115 34.4 27.2 40.8

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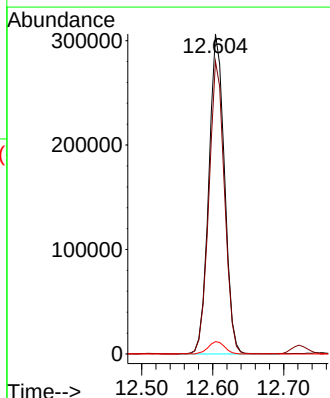
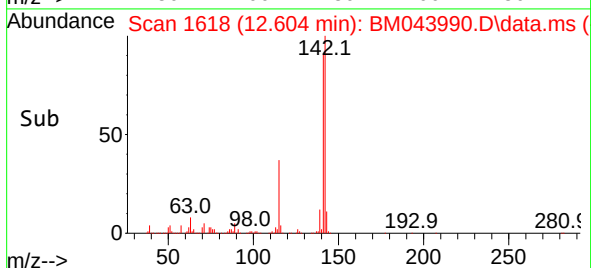
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

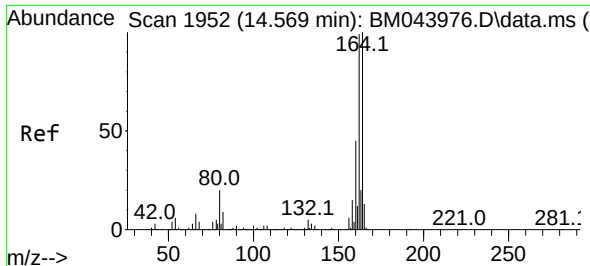


#38
1-Methylnaphthalene
Concen: 9.685 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



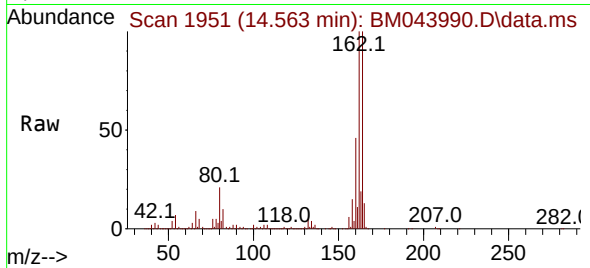
Tgt Ion:142 Resp: 470726
Ion Ratio Lower Upper
142 100
141 91.4 72.1 108.1
116 3.9 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

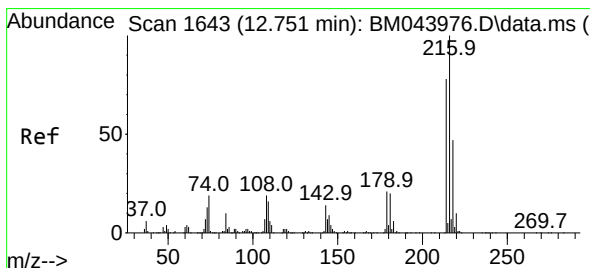
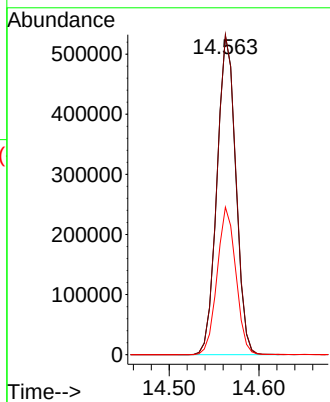
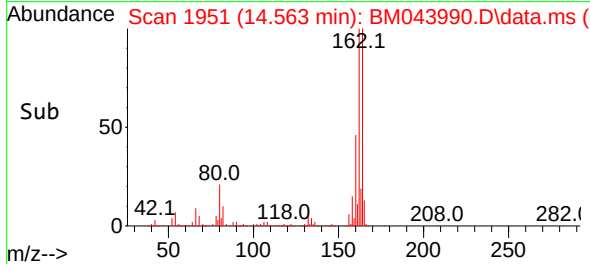
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:164 Resp: 772029
Ion Ratio Lower Upper
164 100
162 100.3 79.0 118.4
160 46.2 35.8 53.8

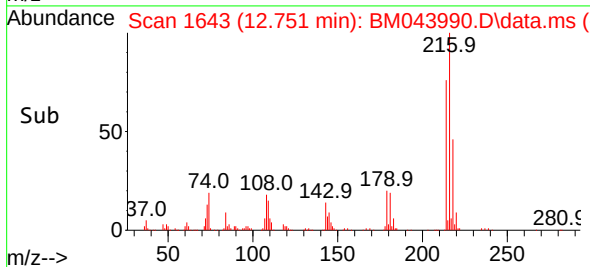
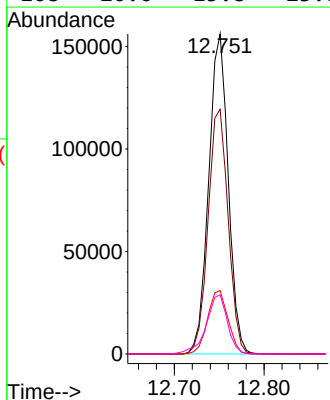
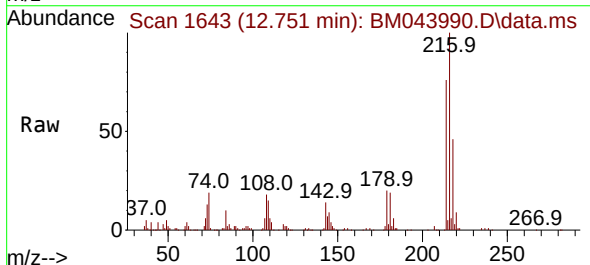
Manual Integrations
APPROVED

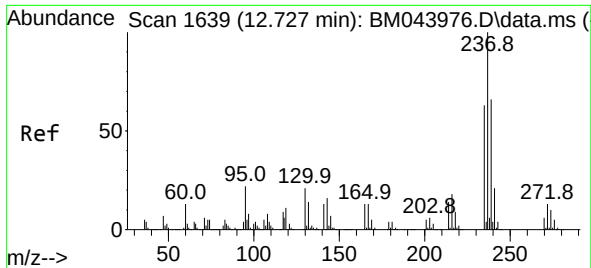
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.760 ng
RT: 12.751 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

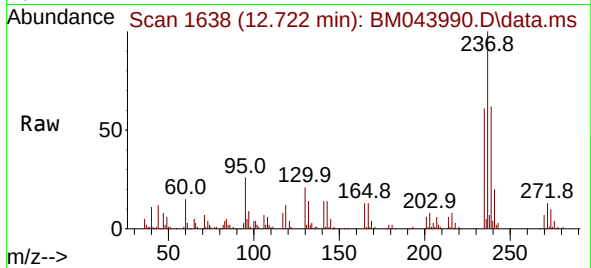
Tgt Ion:216 Resp: 235598
Ion Ratio Lower Upper
216 100
214 78.6 62.6 94.0
179 20.7 16.7 25.1
108 20.0 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 12.229 ng
RT: 12.722 min Scan# 1639
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

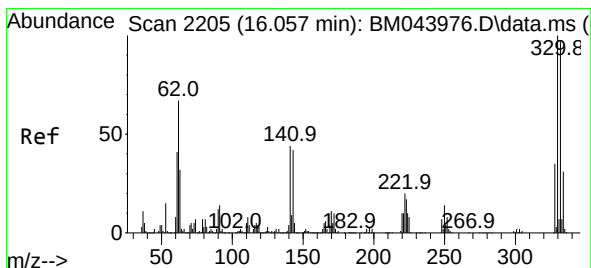
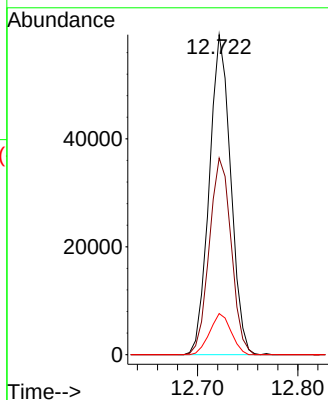
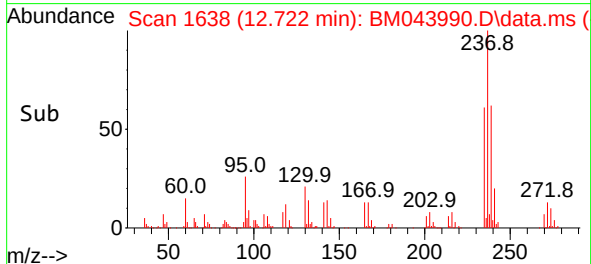
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:237 Resp: 8806
Ion Ratio Lower Upper
237 100
235 61.5 43.5 83.5
272 12.8 0.0 33.2

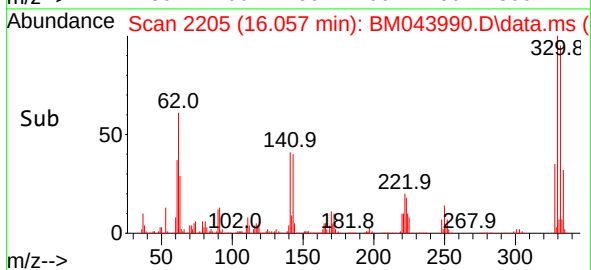
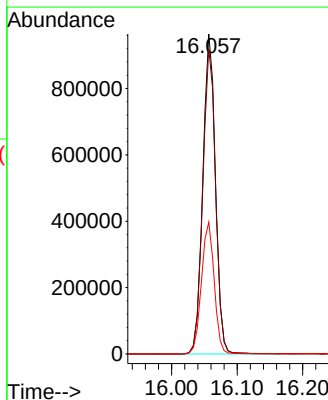
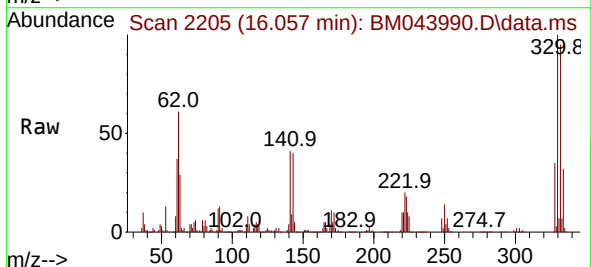
Manual Integrations
APPROVED

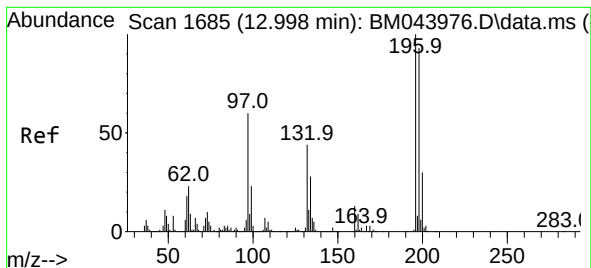
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#42
2,4,6-Tribromophenol
Concen: 137.759 ng
RT: 16.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

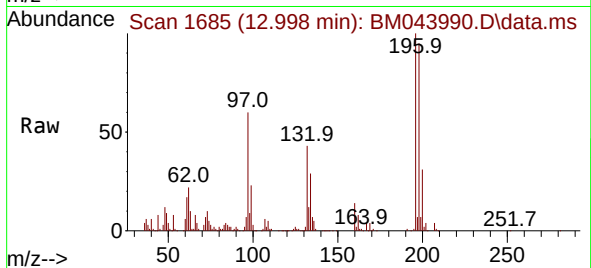
Tgt Ion:330 Resp: 1296432
Ion Ratio Lower Upper
330 100
332 96.2 77.6 116.4
141 41.6 33.5 50.3





#43
2,4,6-Trichlorophenol
Concen: 9.499 ng
RT: 12.998 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

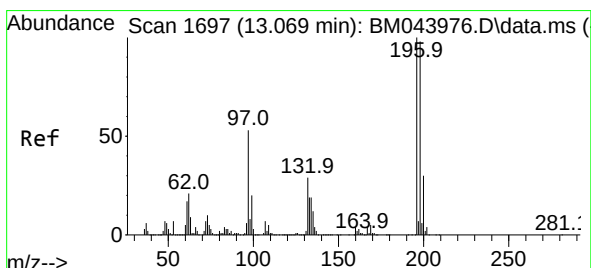
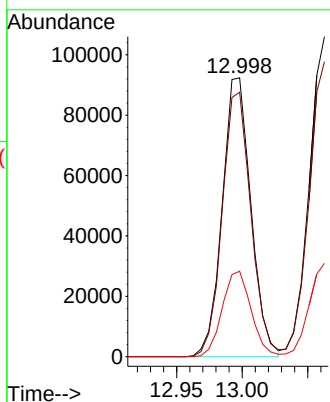
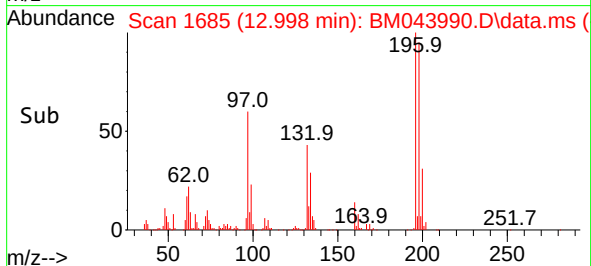
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



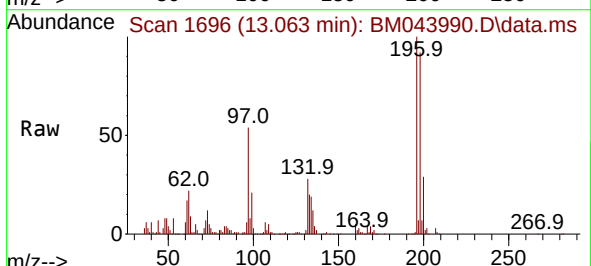
Tgt Ion:196 Resp: 14056
Ion Ratio Lower Upper
196 100
198 94.8 74.2 111.2
200 30.7 23.8 35.8

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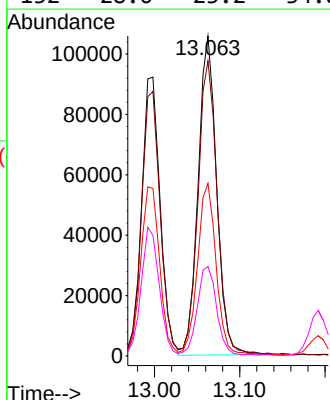
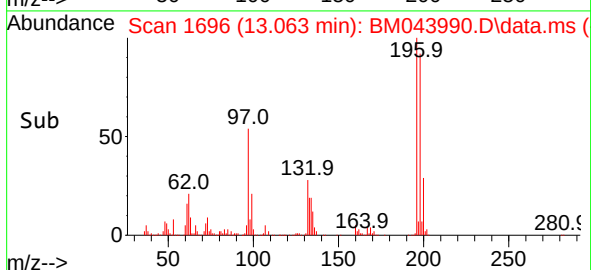
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

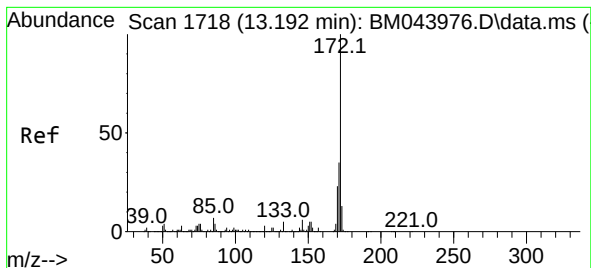


#44
2,4,5-Trichlorophenol
Concen: 9.482 ng
RT: 13.063 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



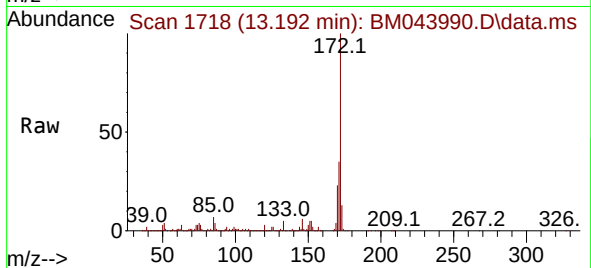
Tgt Ion:196 Resp: 160078
Ion Ratio Lower Upper
196 100
198 92.2 78.1 117.1
97 53.9 42.2 63.2
132 28.0 23.2 34.8





#45
2-Fluorobiphenyl
Concen: 86.309 ng
RT: 13.192 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

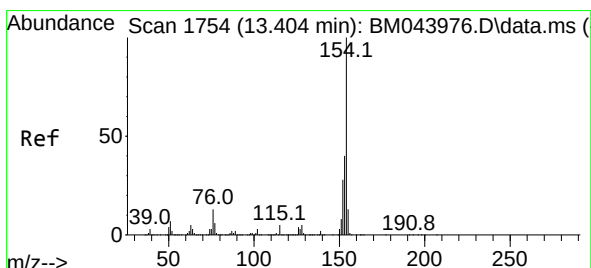
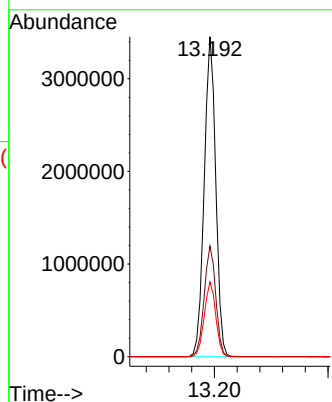
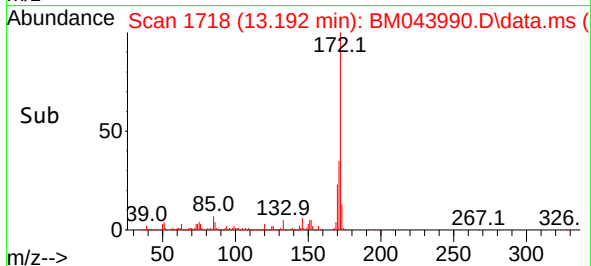
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:172 Resp: 4849310
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 23.3 18.6 28.0

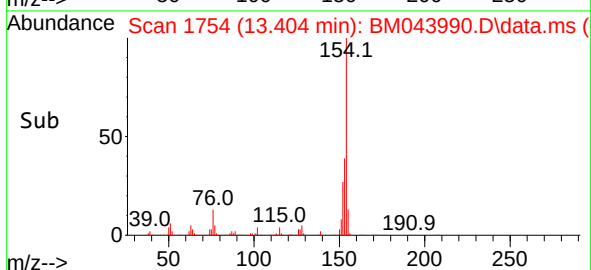
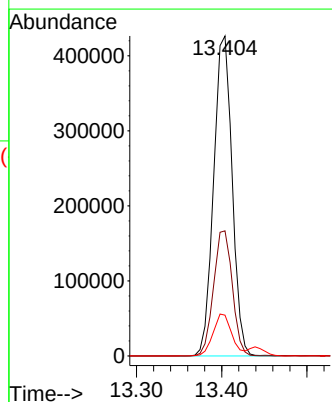
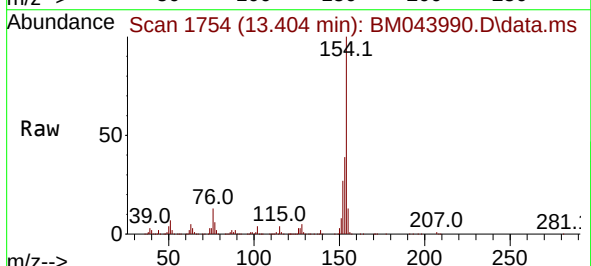
Manual Integrations
APPROVED

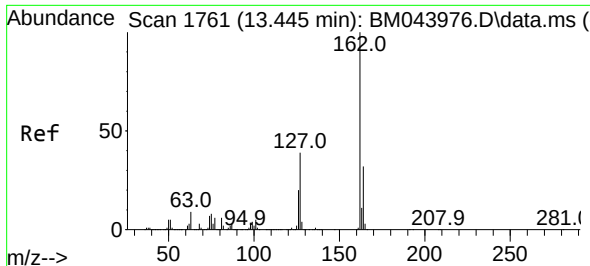
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#46
1,1'-Biphenyl
Concen: 10.587 ng
RT: 13.404 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

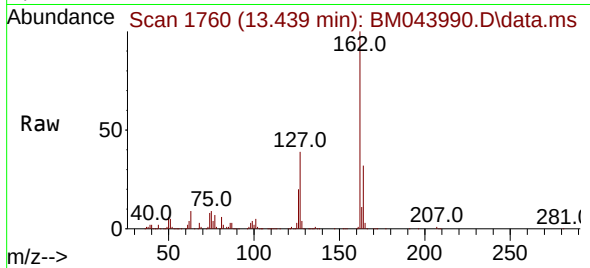
Tgt Ion:154 Resp: 642751
Ion Ratio Lower Upper
154 100
153 39.1 19.8 59.8
76 12.8 0.0 33.0





#47
2-Chloronaphthalene
Concen: 10.280 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

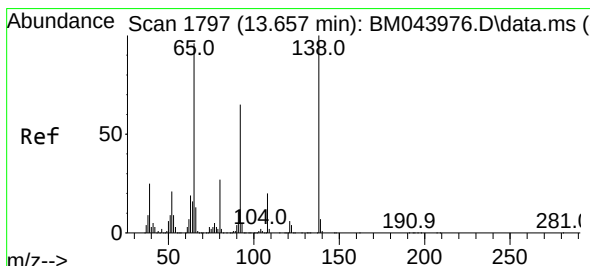
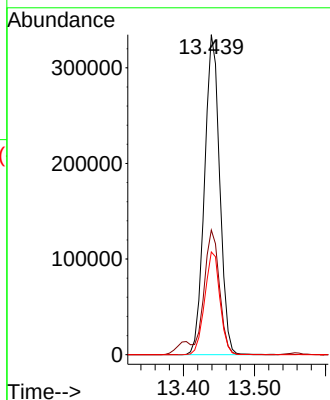
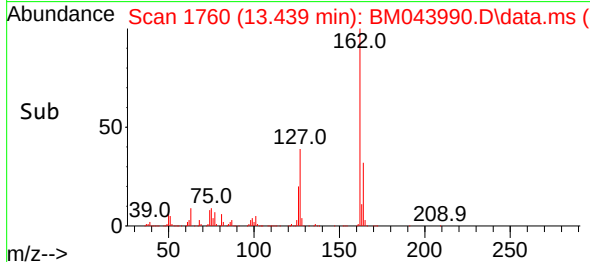
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



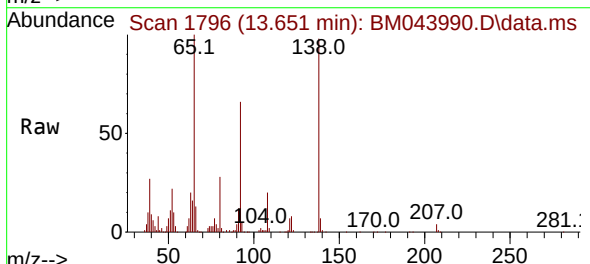
Tgt Ion:162 Resp: 497708
Ion Ratio Lower Upper
162 100
127 39.0 31.0 46.6
164 32.1 25.8 38.6

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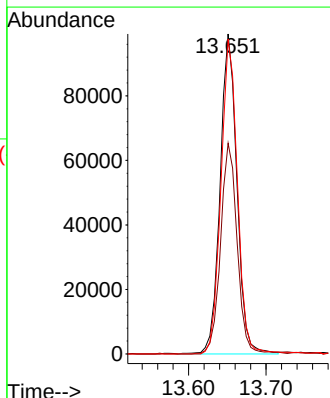
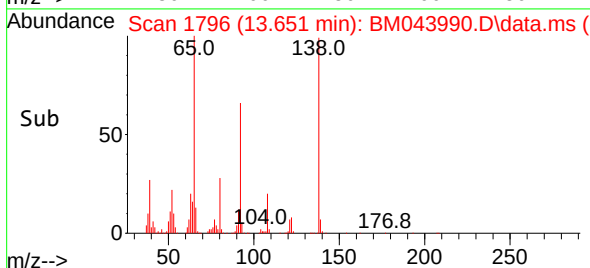
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

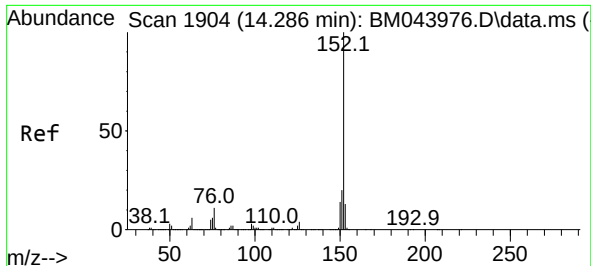


#48
2-Nitroaniline
Concen: 9.486 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



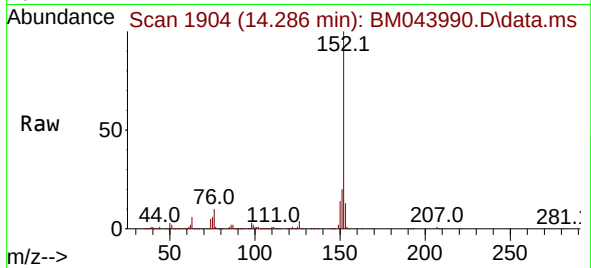
Tgt Ion: 65 Resp: 149379
Ion Ratio Lower Upper
65 100
92 65.8 53.6 80.4
138 98.4 83.0 124.6





#49
Acenaphthylene
Concen: 11.062 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

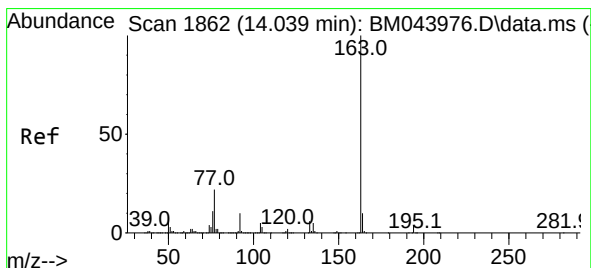
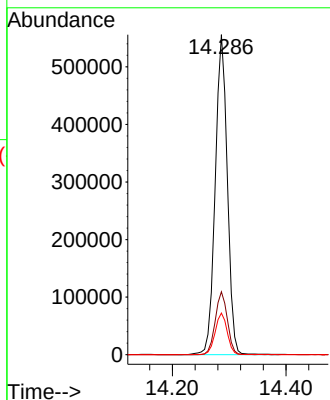
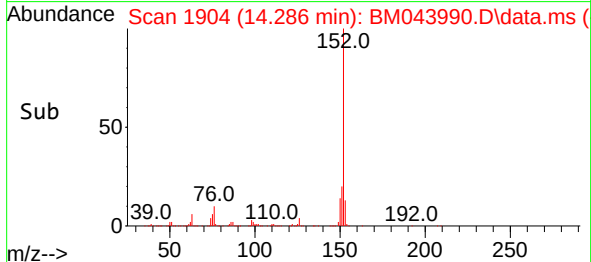
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



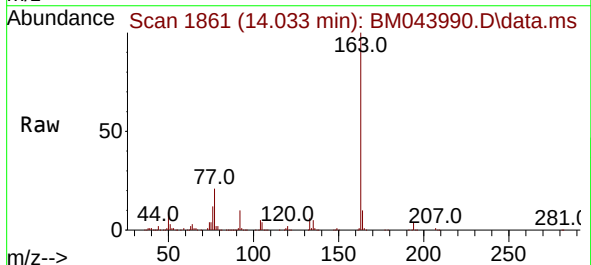
Tgt Ion:152 Resp: 818720
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.0 10.4 15.6

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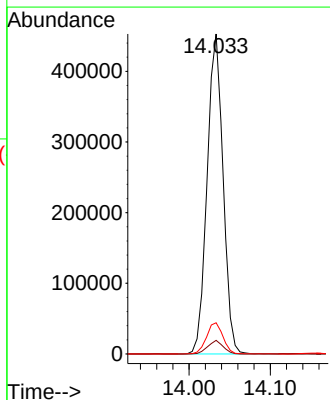
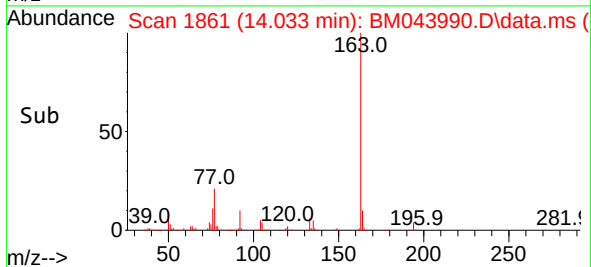
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

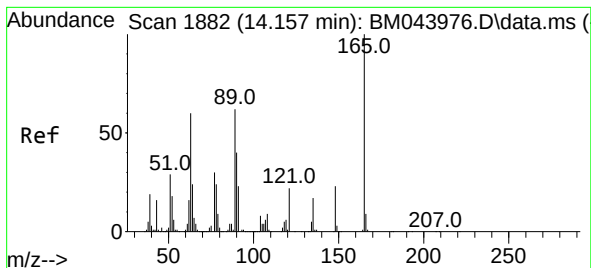


#50
Dimethylphthalate
Concen: 10.292 ng
RT: 14.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



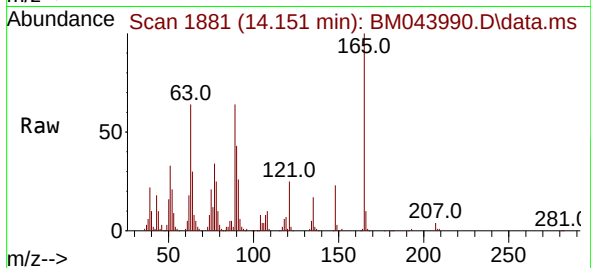
Tgt Ion:163 Resp: 617211
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 9.7 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 9.428 ng
RT: 14.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

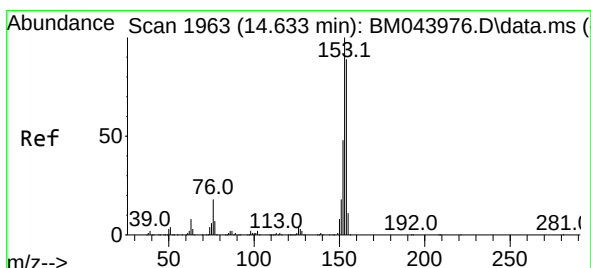
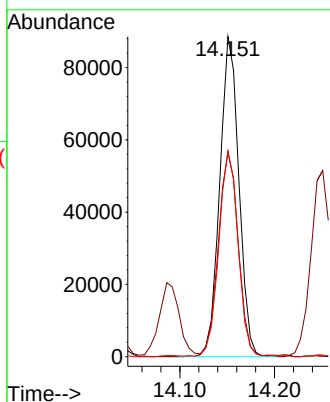
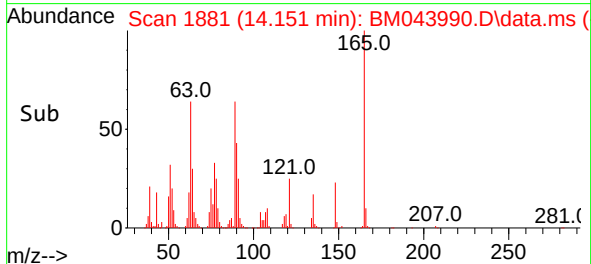
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT4-2023



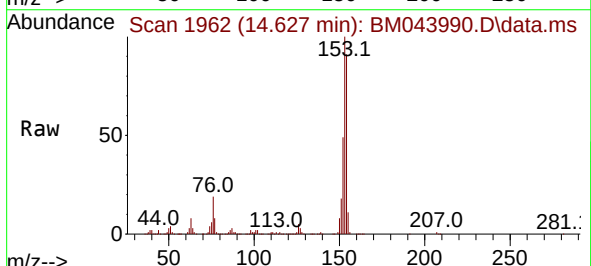
Tgt Ion:165 Resp: 124274
Ion Ratio Lower Upper
165 100
63 63.9 51.1 76.7
89 64.3 49.5 74.3

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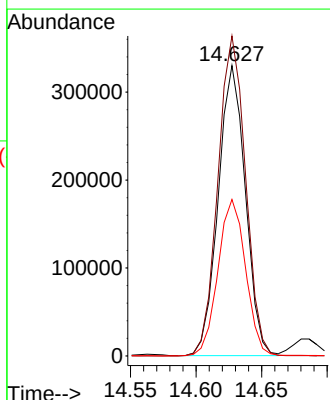
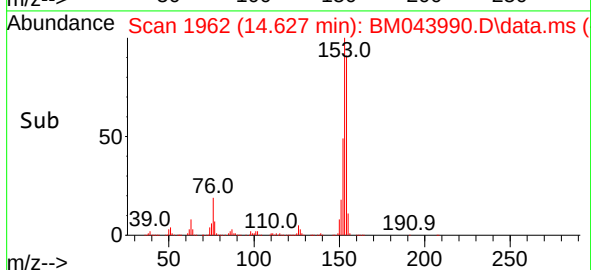
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

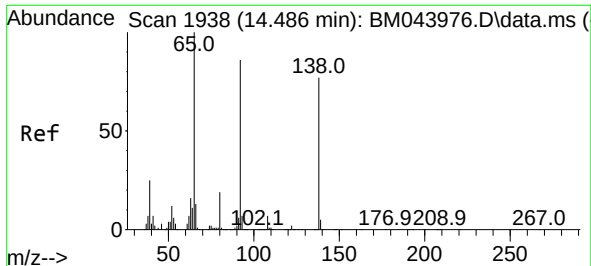


#52
Acenaphthene
Concen: 10.145 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



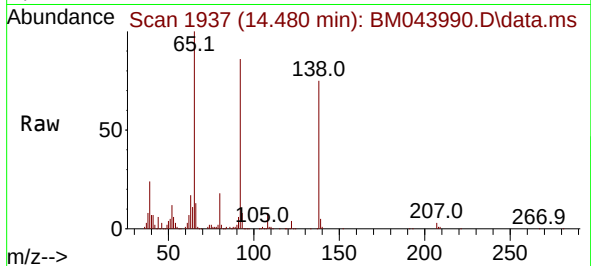
Tgt Ion:154 Resp: 475965
Ion Ratio Lower Upper
154 100
153 110.2 90.1 135.1
152 53.9 43.6 65.4





#53
3-Nitroaniline
Concen: 9.689 ng
RT: 14.480 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

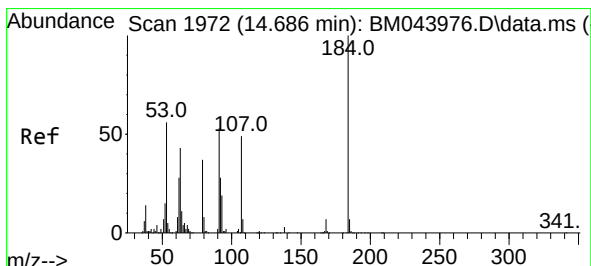
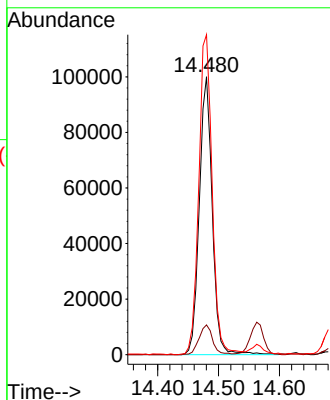
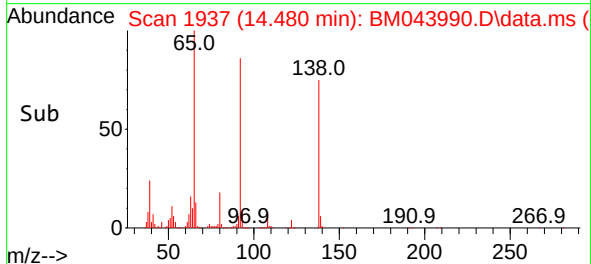
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:138 Resp: 14827
Ion Ratio Lower Upper
138 100
108 10.7 7.8 11.6
92 115.1 89.7 134.5

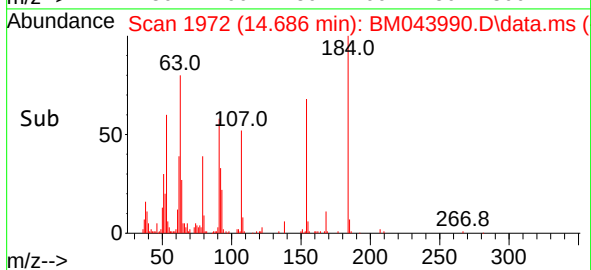
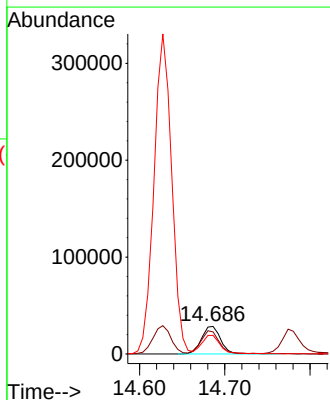
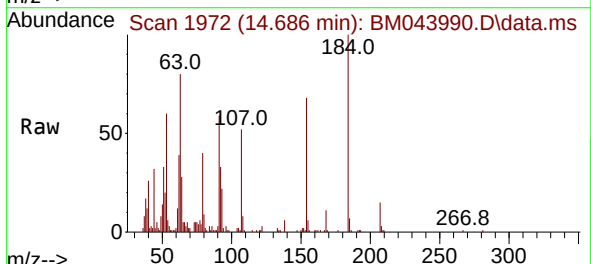
Manual Integrations
APPROVED

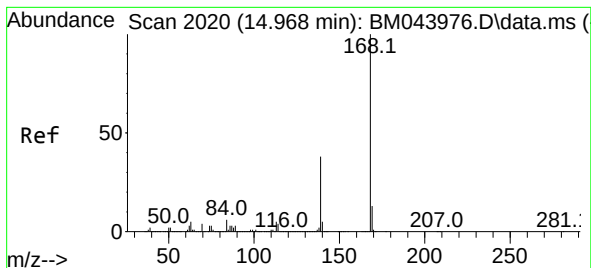
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#54
2,4-Dinitrophenol
Concen: 12.370 ng
RT: 14.686 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

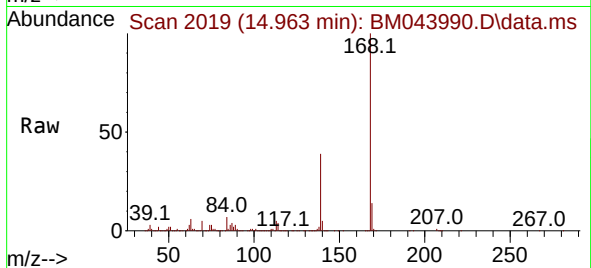
Tgt Ion:184 Resp: 44578
Ion Ratio Lower Upper
184 100
63 80.2 62.8 94.2
154 67.5 51.4 77.2





#55
Dibenzenofuran
Concen: 10.508 ng
RT: 14.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

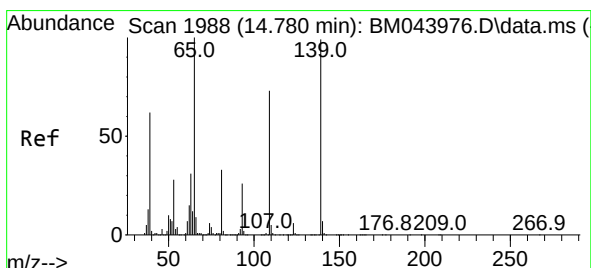
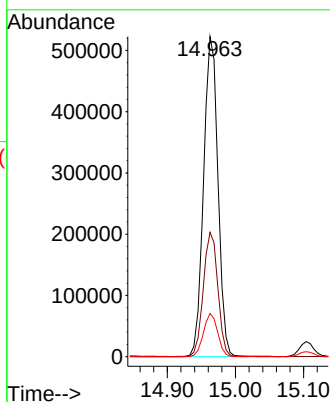
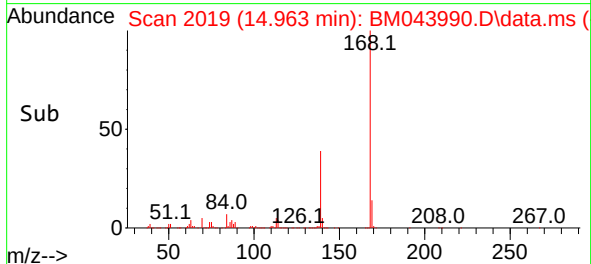
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:168 Resp: 767269
Ion Ratio Lower Upper
168 100
139 38.8 30.7 46.1
169 13.5 10.5 15.7

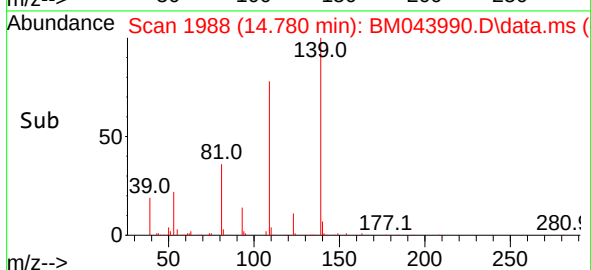
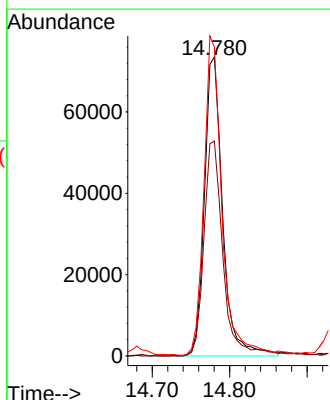
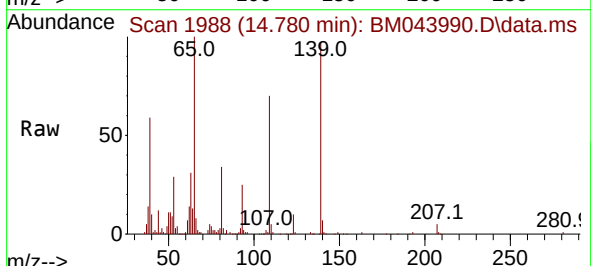
Manual Integrations
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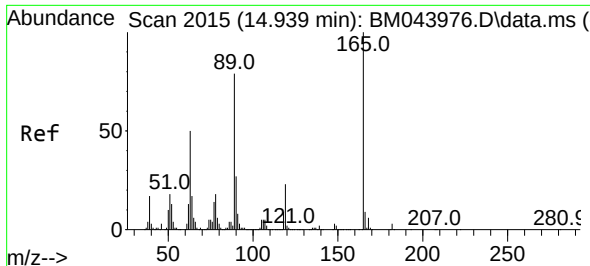
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#56
4-Nitrophenol
Concen: 9.005 ng
RT: 14.780 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

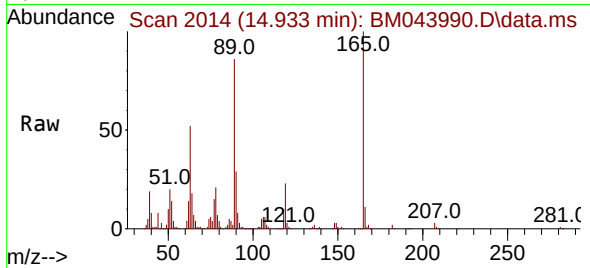
Tgt Ion:139 Resp: 120427
Ion Ratio Lower Upper
139 100
109 71.8 53.2 93.2
65 103.3 80.7 120.7





#57
2,4-Dinitrotoluene
Concen: 8.816 ng
RT: 14.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

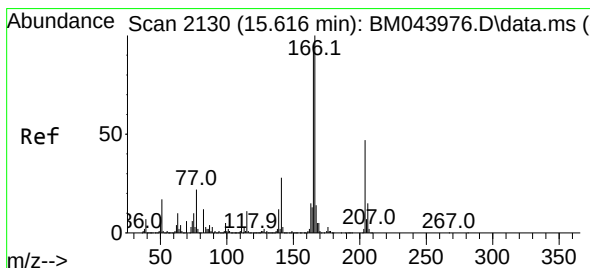
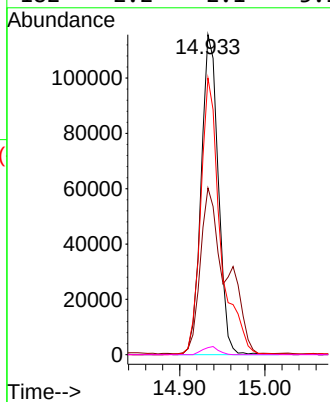
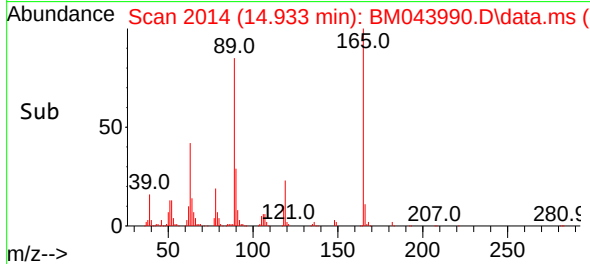
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:165 Resp: 16176
Ion Ratio Lower Upper
165 100
63 52.1 40.2 60.4
89 86.5 63.3 94.9
182 2.2 2.1 3.1

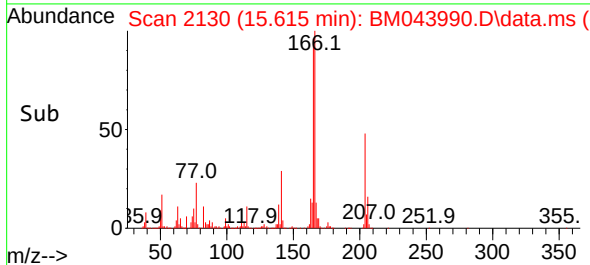
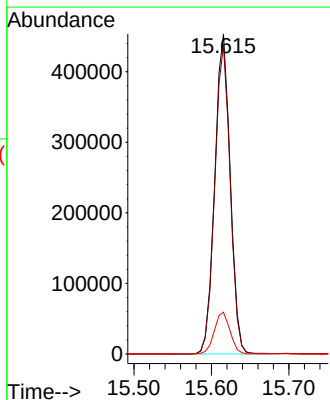
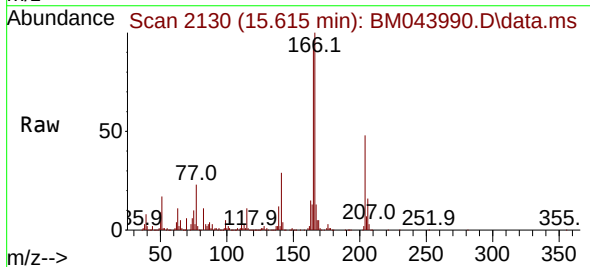
Manual Integrations
APPROVED

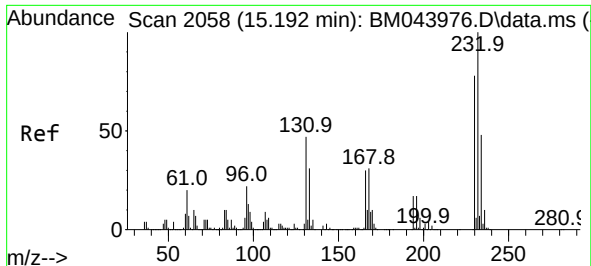
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#58
Fluorene
Concen: 10.216 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

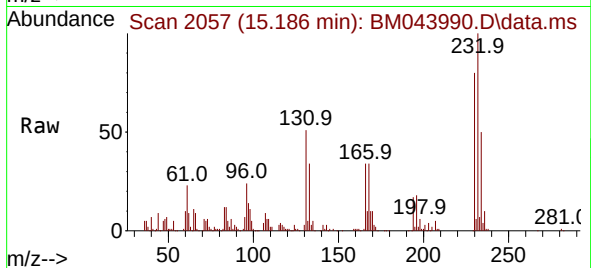
Tgt Ion:166 Resp: 629923
Ion Ratio Lower Upper
166 100
165 96.3 76.3 114.5
167 13.1 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.878 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

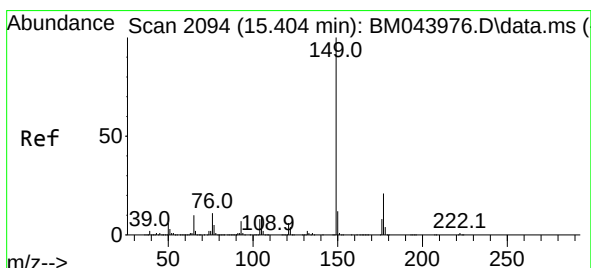
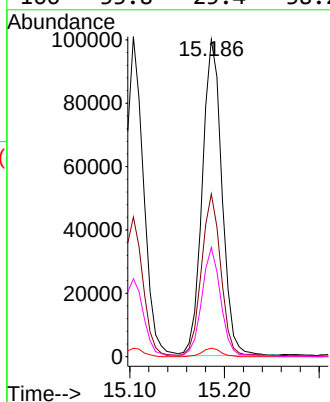
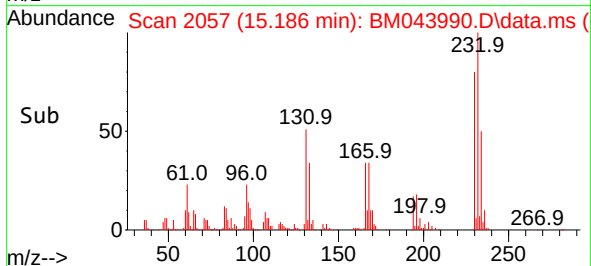
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:232 Resp: 143771
Ion Ratio Lower Upper
232 100
131 50.2 39.8 59.6
130 2.6 2.0 3.0
166 33.8 25.4 38.2

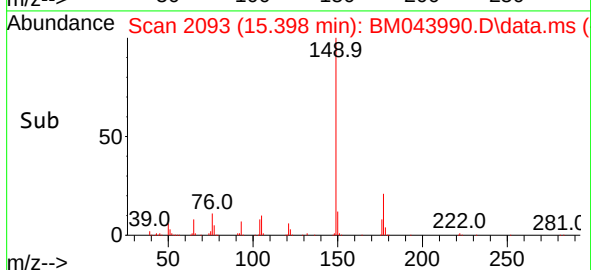
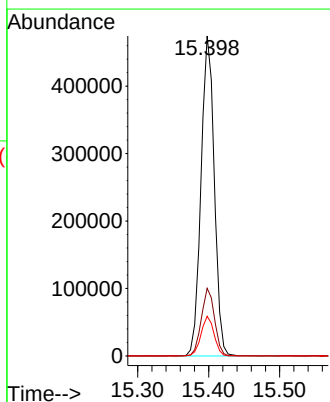
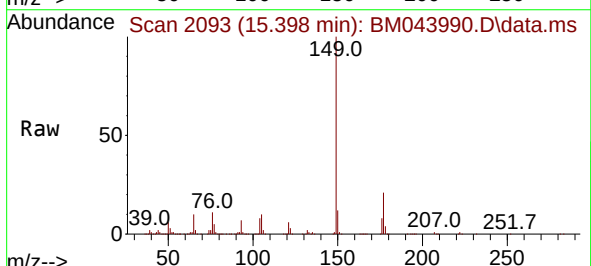
Manual Integrations
APPROVED

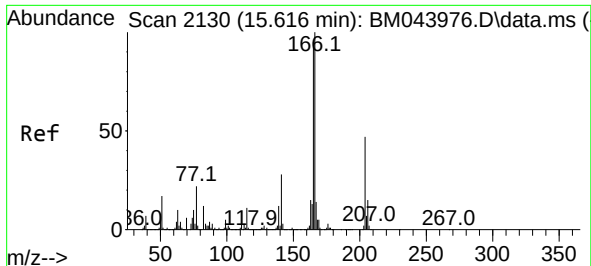
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#60
Diethylphthalate
Concen: 9.963 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

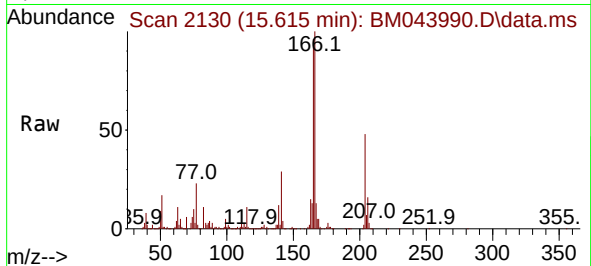
Tgt Ion:149 Resp: 618478
Ion Ratio Lower Upper
149 100
177 21.2 17.1 25.7
150 12.4 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 10.130 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

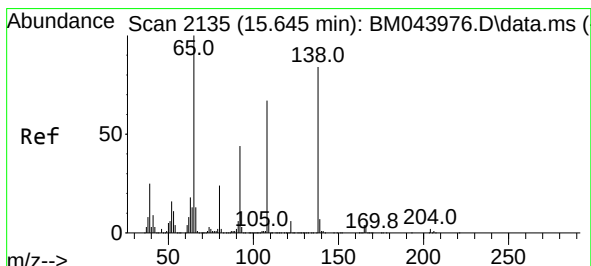
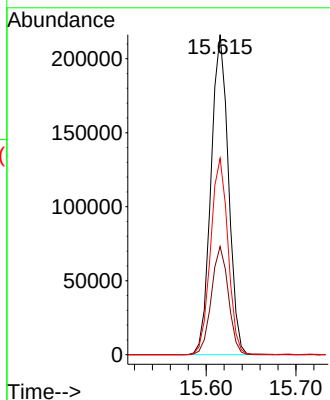
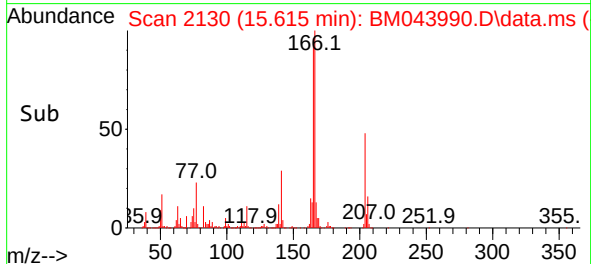
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:204 Resp: 291409
Ion Ratio Lower Upper
204 100
206 33.8 26.2 39.2
141 61.3 48.6 72.8

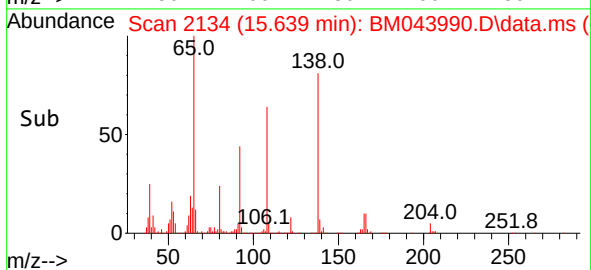
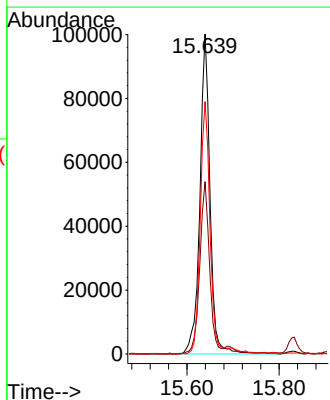
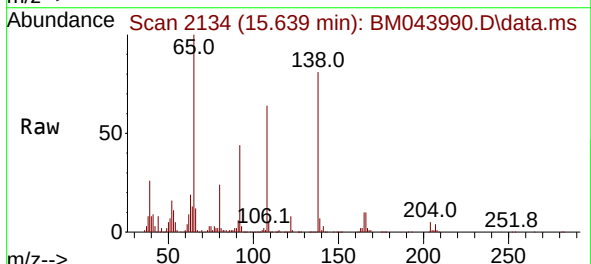
Manual Integrations
APPROVED

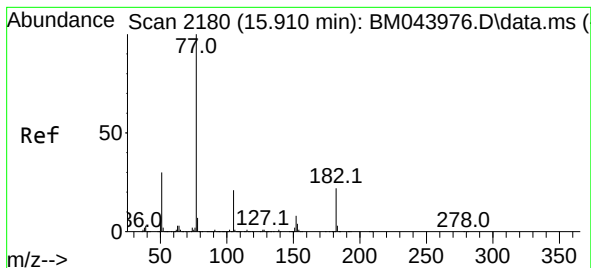
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#62
4-Nitroaniline
Concen: 9.222 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

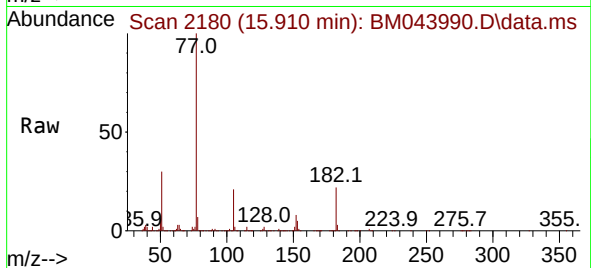
Tgt Ion:138 Resp: 154302
Ion Ratio Lower Upper
138 100
92 53.8 32.7 72.7
108 78.8 60.0 100.0





#63
Azobenzene
Concen: 10.327 ng
RT: 15.910 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

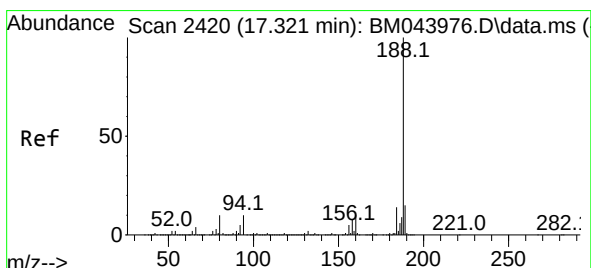
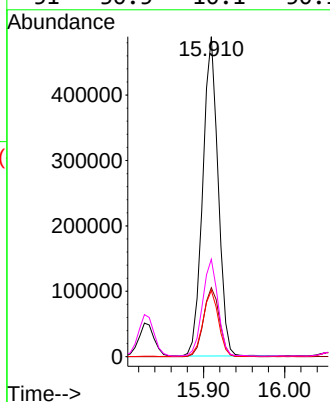
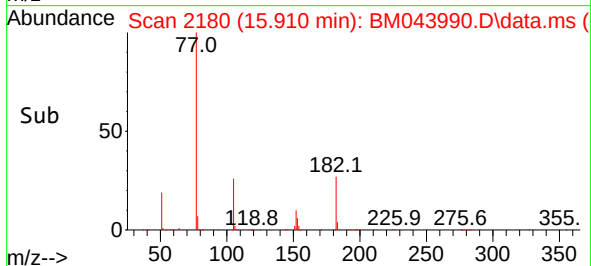
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



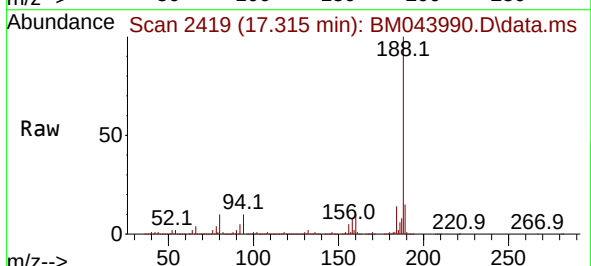
Tgt Ion: 77 Resp: 640335
Ion Ratio Lower Upper
77 100
182 21.6 2.0 42.0
105 20.7 0.5 40.5
51 30.5 10.1 50.1

Manual Integrations
APPROVED

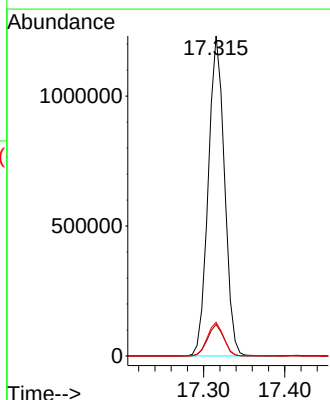
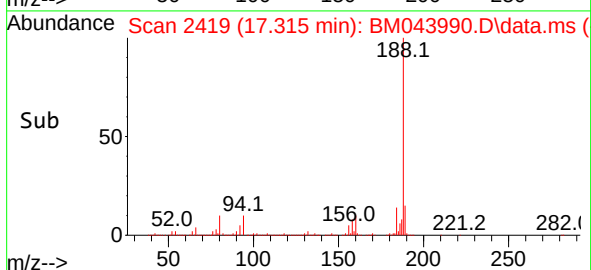
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

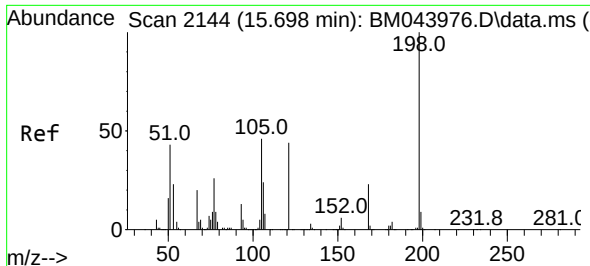


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



Tgt Ion:188 Resp: 1706973
Ion Ratio Lower Upper
188 100
94 9.8 7.7 11.5
80 10.5 8.2 12.4





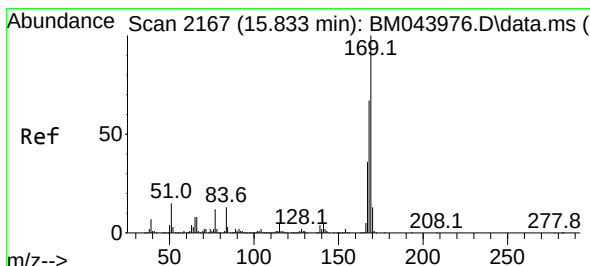
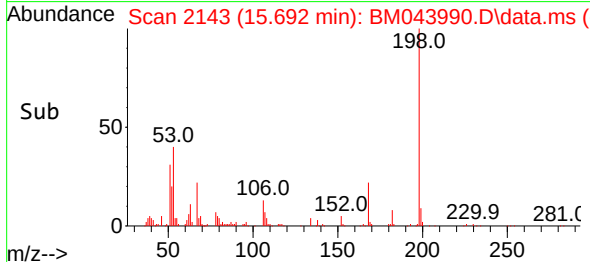
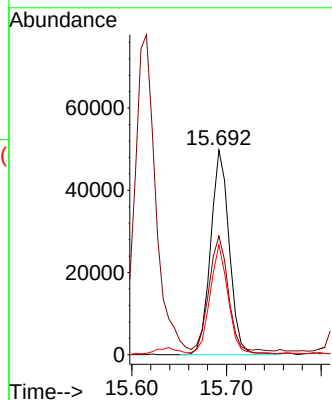
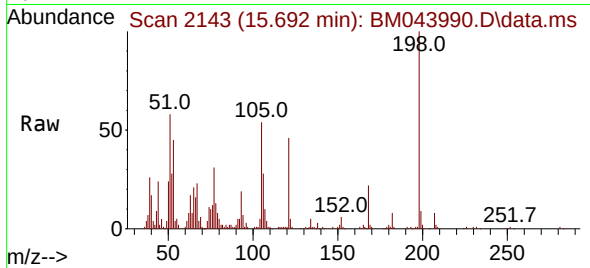
#65
4,6-Dinitro-2-methylphenol
Concen: 11.808 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:198 Resp: 67949
Ion Ratio Lower Upper
198 100
51 58.1 31.9 71.9
105 53.7 28.1 68.1

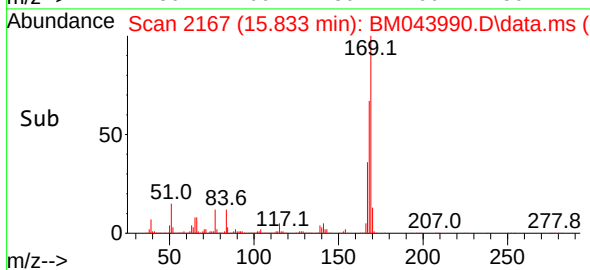
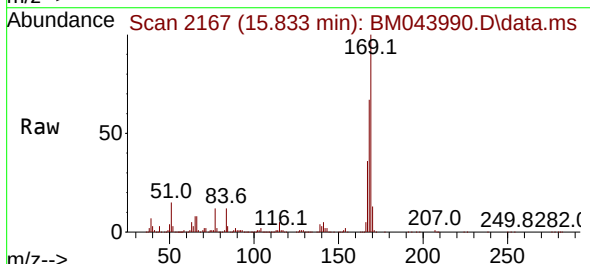
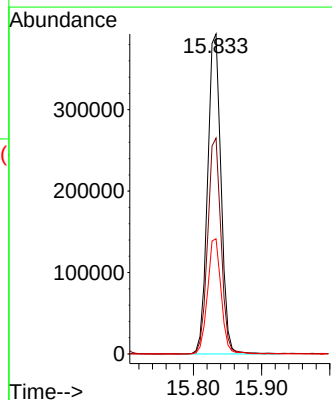
Manual Integrations
APPROVED

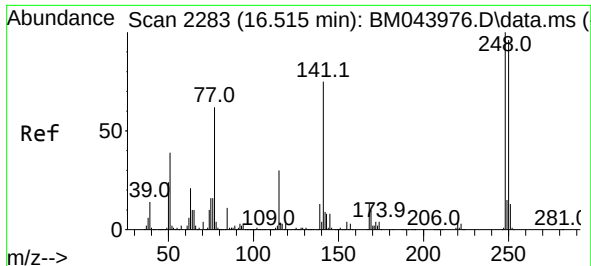
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#66
n-Nitrosodiphenylamine
Concen: 10.593 ng
RT: 15.833 min Scan# 2167
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

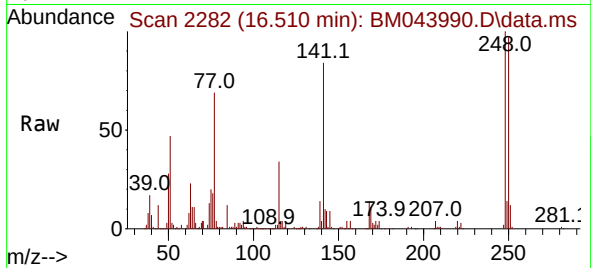
Tgt Ion:169 Resp: 538599
Ion Ratio Lower Upper
169 100
168 67.5 53.4 80.2
167 36.0 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 7.734 ng
RT: 16.510 min Scan# 2110
Delta R.T. -0.005 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

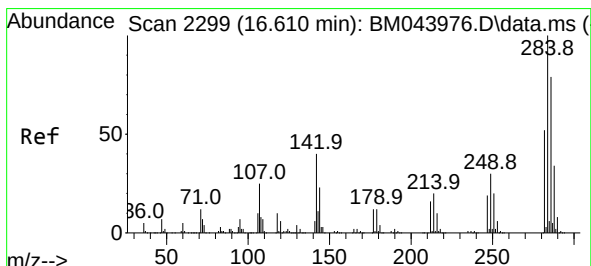
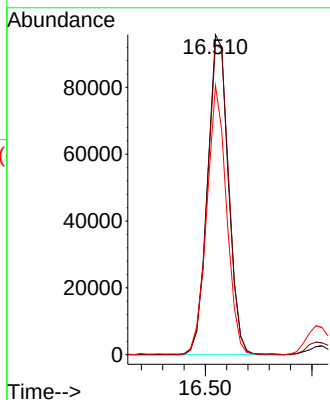
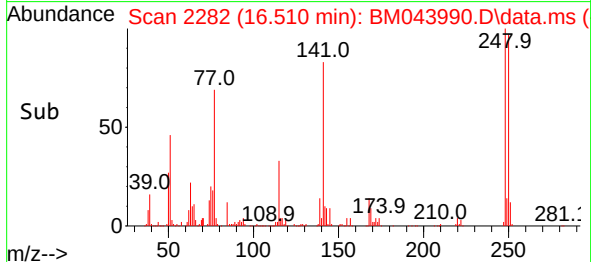
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



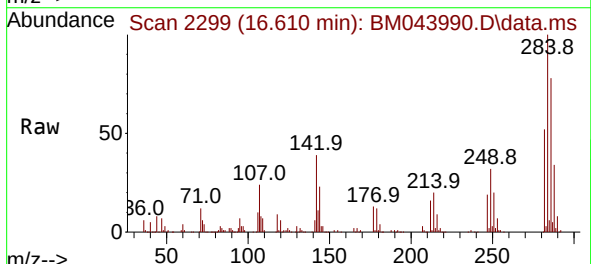
Tgt Ion:248 Resp: 13004
Ion Ratio Lower Upper
248 100
250 97.0 77.0 115.4
141 84.1 59.9 89.9

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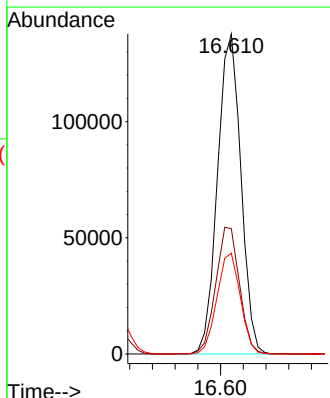
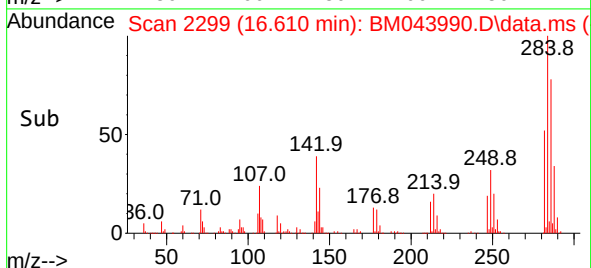
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

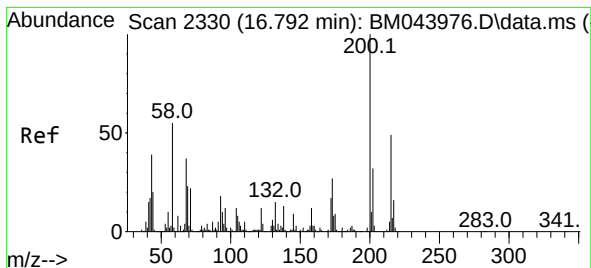


#68
Hexachlorobenzene
Concen: 9.819 ng
RT: 16.610 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



Tgt Ion:284 Resp: 196867
Ion Ratio Lower Upper
284 100
142 39.1 32.2 48.4
249 31.5 24.4 36.6





#69

Atrazine

Concen: 12.171 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043990.D

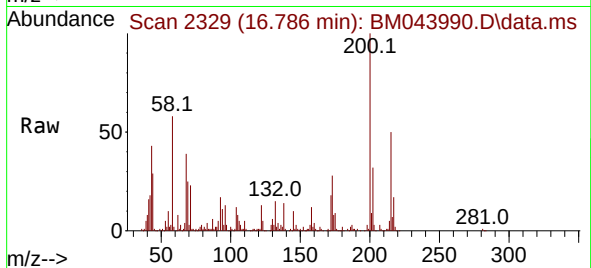
Acq: 06 Feb 2024 14:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2023



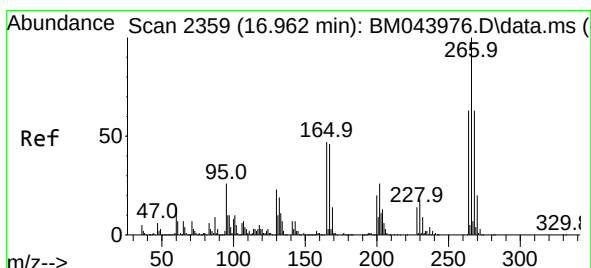
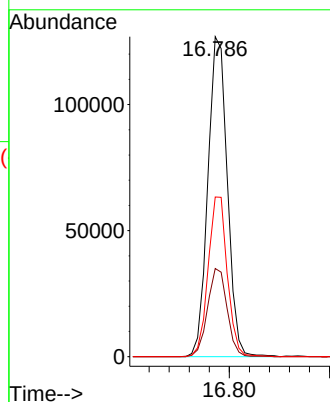
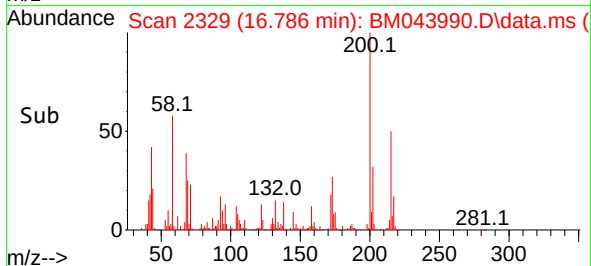
Tgt Ion:200 Resp: 171215

Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.3	47.3
215	49.9	28.7	68.7

Manual Integrations

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



#70

Pentachlorophenol

Concen: 7.932 ng

RT: 16.957 min Scan# 2358

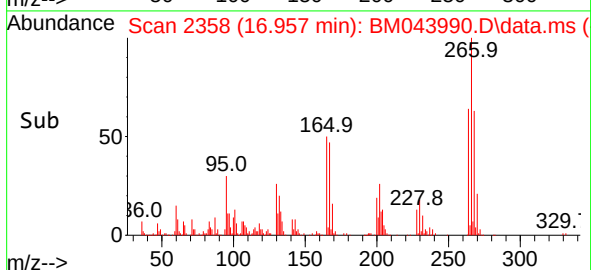
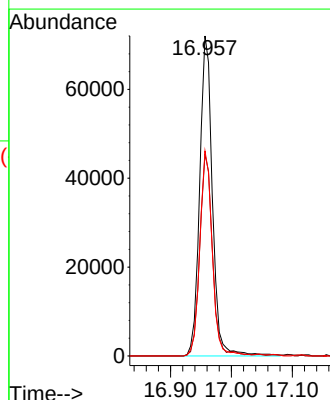
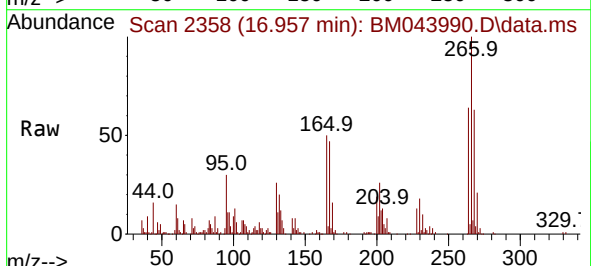
Delta R.T. -0.005 min

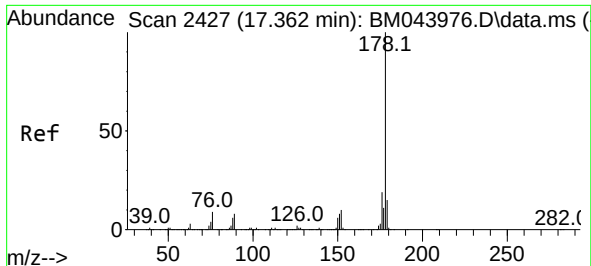
Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

Tgt Ion:266 Resp: 104423

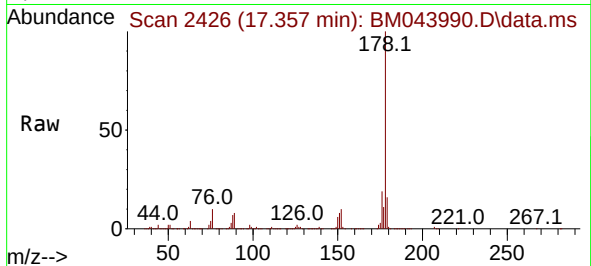
Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.6	76.0
264	64.0	50.6	76.0





#71
Phenanthrene
Concen: 10.627 ng
RT: 17.357 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

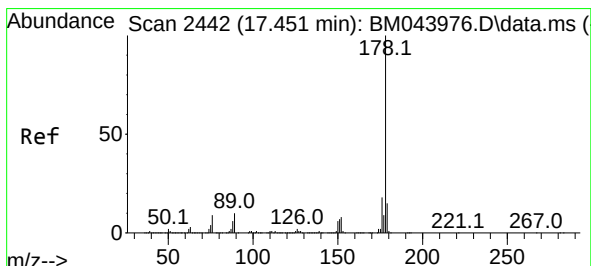
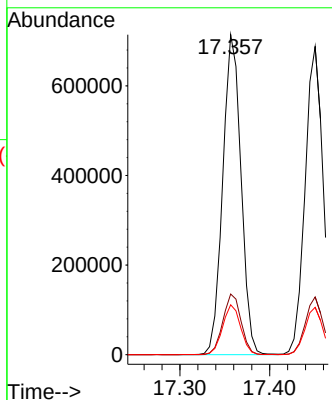
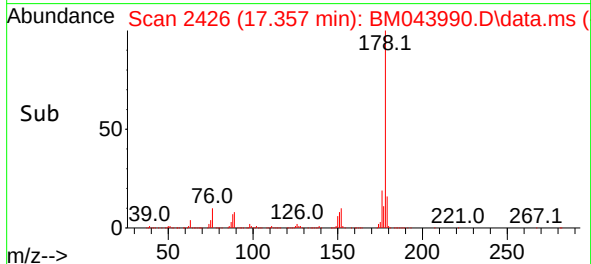
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:178 Resp: 1010334
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.6 12.4 18.6

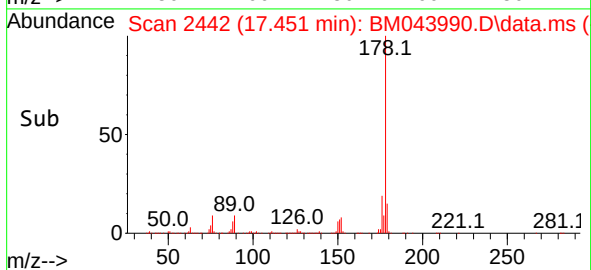
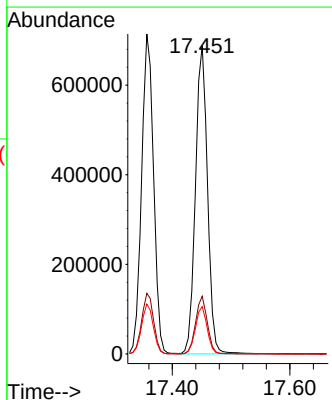
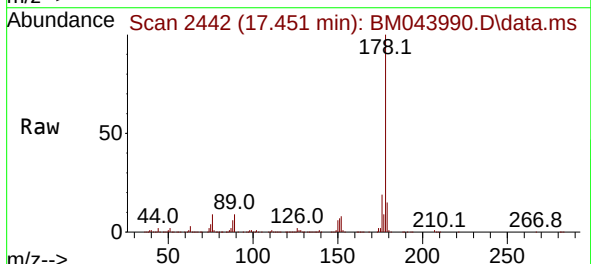
Manual Integrations
APPROVED

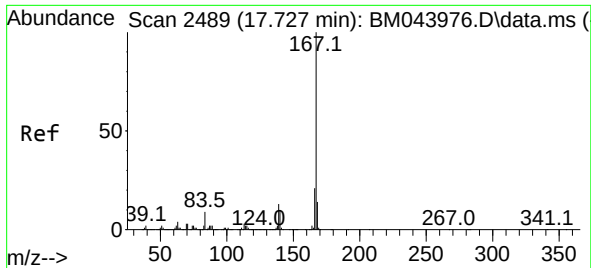
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#72
Anthracene
Concen: 10.495 ng
RT: 17.451 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

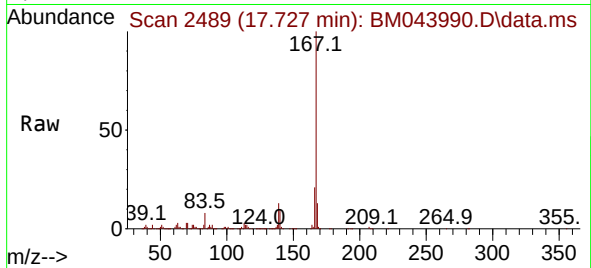
Tgt Ion:178 Resp: 976939
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 15.4 12.2 18.4





#73
 Carbazole
 Concen: 10.025 ng
 RT: 17.727 min Scan# 2489
 Delta R.T. -0.000 min
 Lab File: BM043990.D
 Acq: 06 Feb 2024 14:03

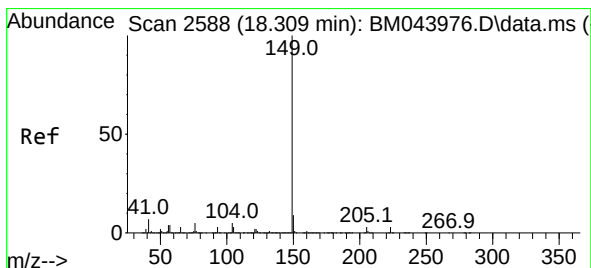
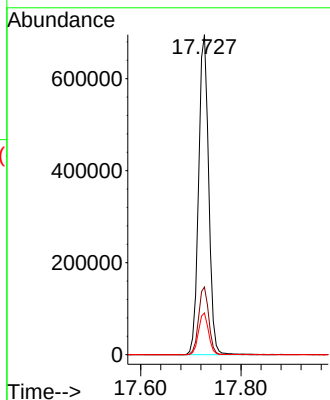
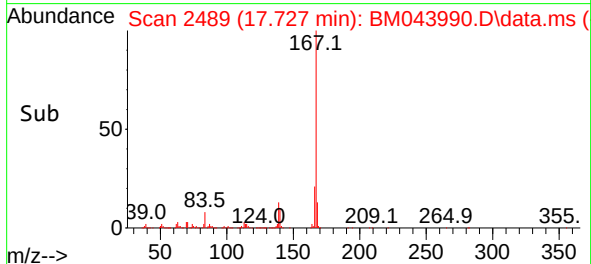
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023



Tgt Ion:167 Resp: 96639
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 13.1 10.6 15.8

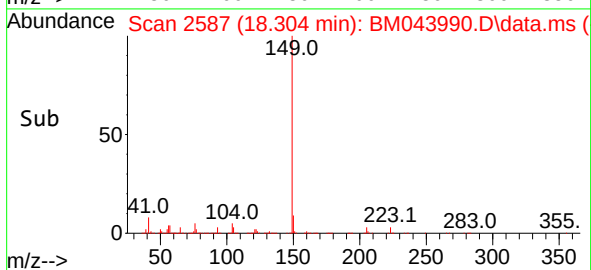
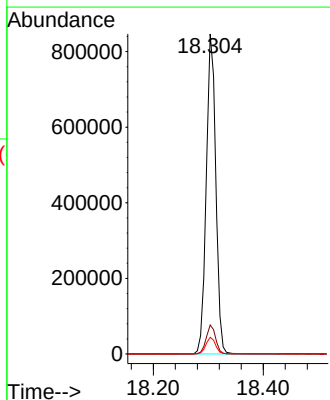
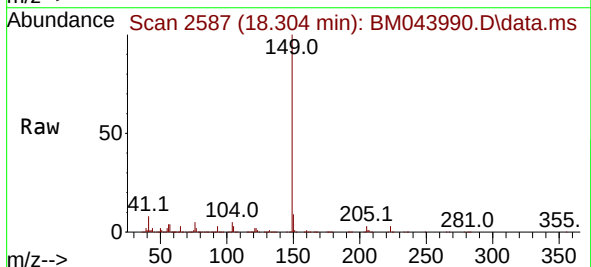
Manual Integrations
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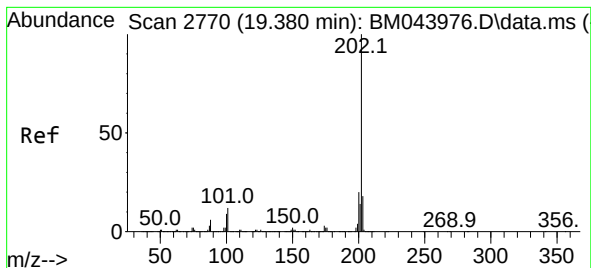
Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024



#74
 Di-n-butylphthalate
 Concen: 9.602 ng
 RT: 18.304 min Scan# 2587
 Delta R.T. -0.005 min
 Lab File: BM043990.D
 Acq: 06 Feb 2024 14:03

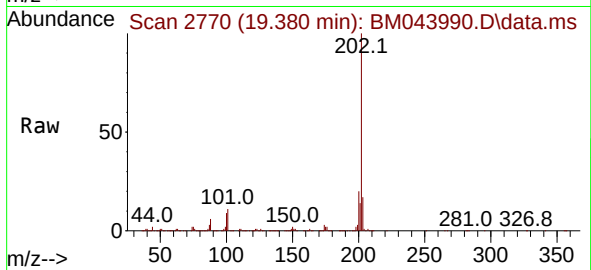
Tgt Ion:149 Resp: 1015147
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.2 4.1 6.1





#75
Fluoranthene
Concen: 9.722 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

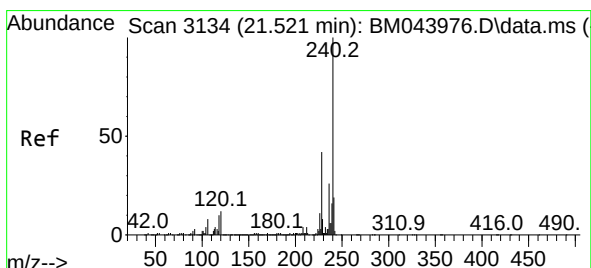
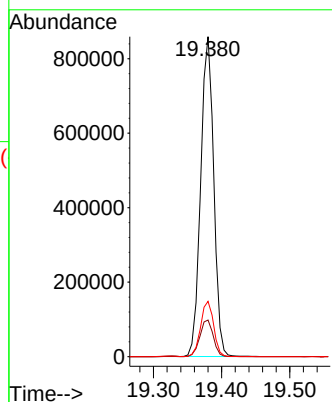
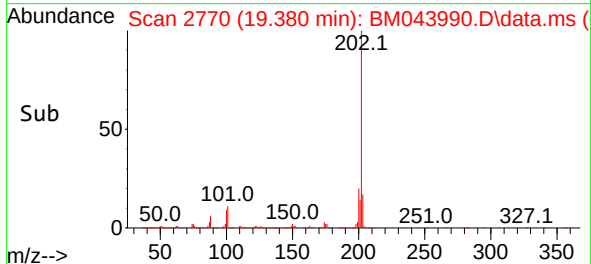
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:202 Resp: 114308
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.9
203 17.3 0.0 37.6

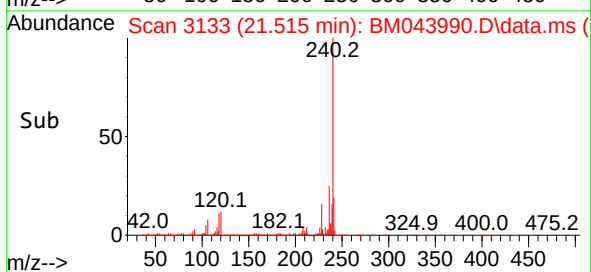
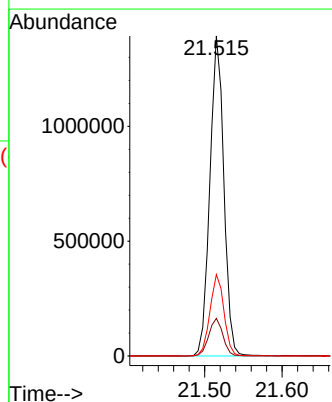
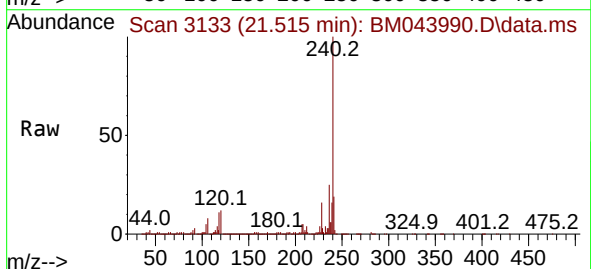
Manual Integrations
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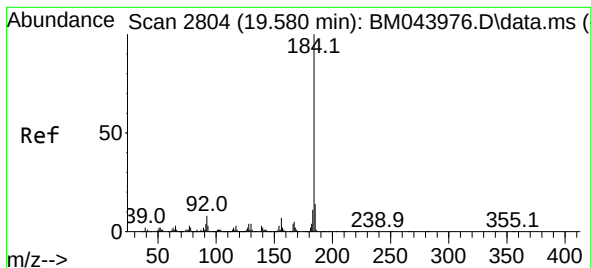
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

Tgt Ion:240 Resp: 1745284
Ion Ratio Lower Upper
240 100
120 11.8 9.3 13.9
236 25.4 20.5 30.7





#77

Benzidine

Concen: 21.860 ng

RT: 19.580 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

Instrument :

BNA_M

ClientSampleId :

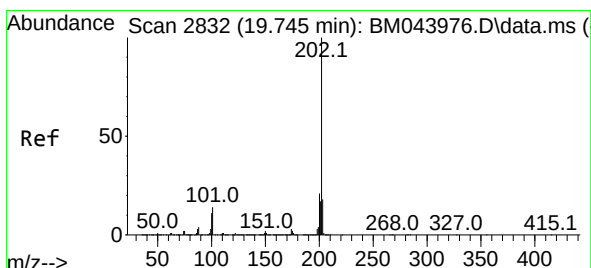
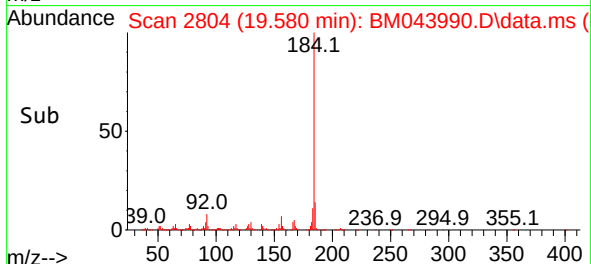
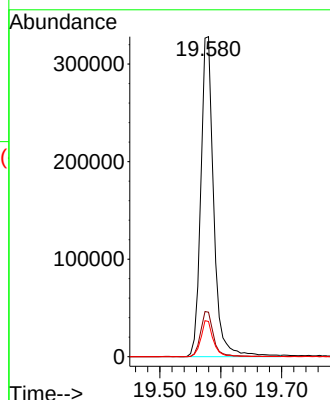
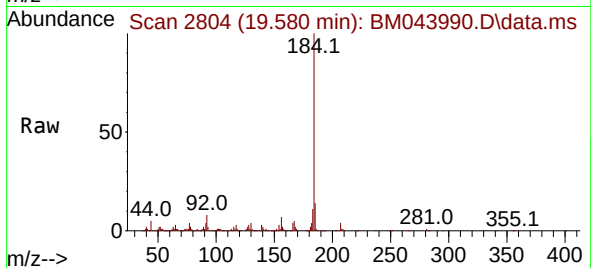
LOQ-SOIL-02-QT4-2023

Tgt Ion:184 Resp: 484050
 Ion Ratio Lower Upper
 184 100
 185 13.9 11.5 17.3
 183 11.0 8.9 13.3

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 10.261 ng

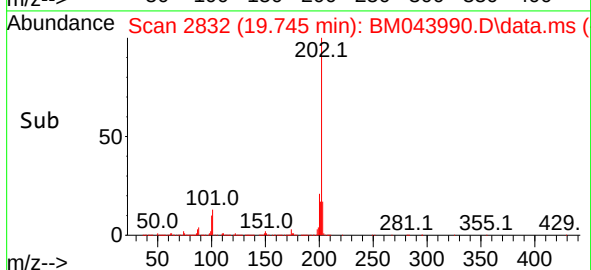
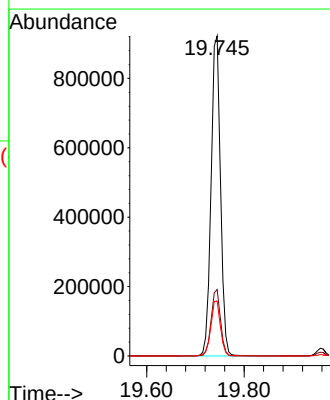
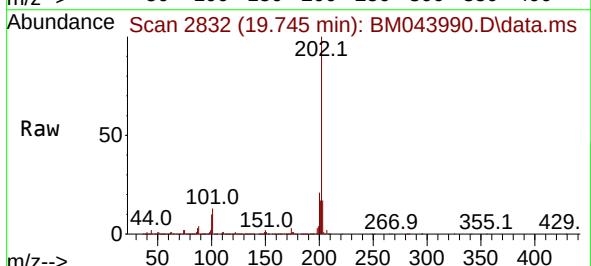
RT: 19.745 min Scan# 2832

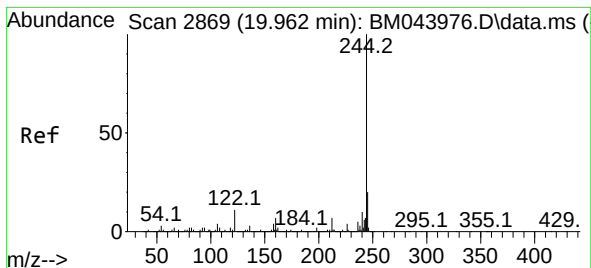
Delta R.T. -0.000 min

Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

Tgt Ion:202 Resp: 1231059
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.8 25.2
 203 17.1 14.2 21.4





#79

Terphenyl-d14

Concen: 92.081 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043990.D

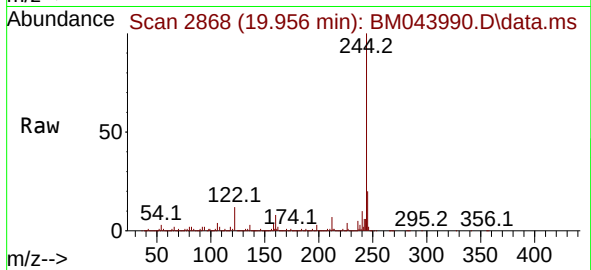
Acq: 06 Feb 2024 14:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2023



Tgt Ion:244 Resp: 832504

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

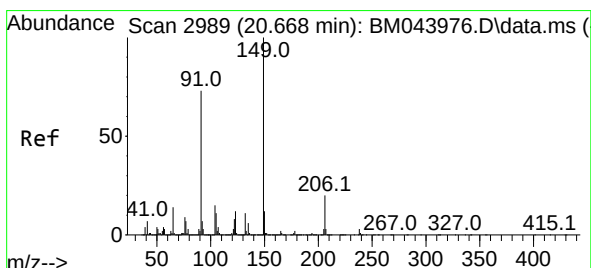
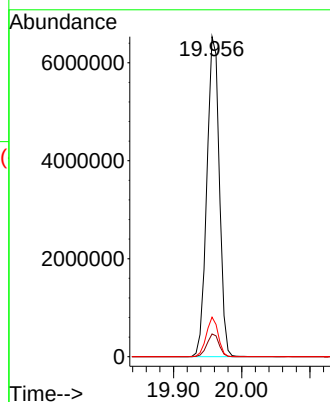
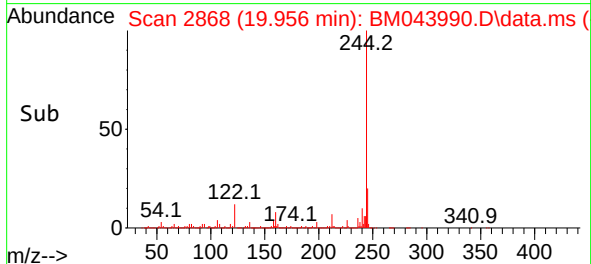
122 12.3 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#80

Butylbenzylphthalate

Concen: 9.332 ng

RT: 20.662 min Scan# 2988

Delta R.T. -0.006 min

Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

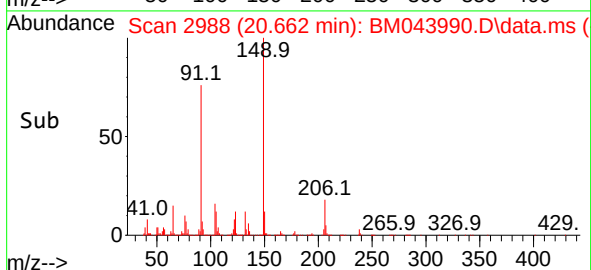
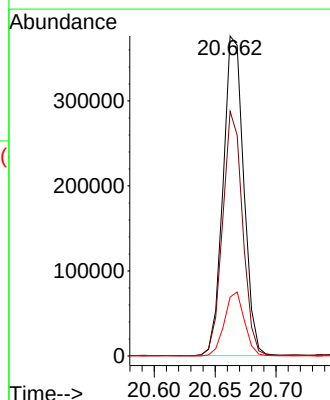
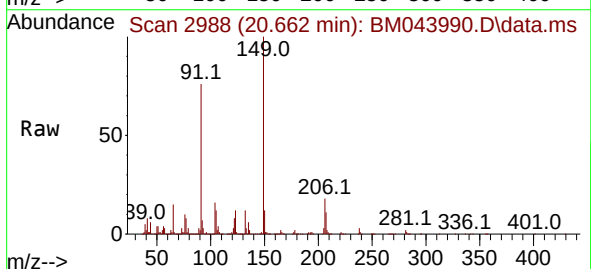
Tgt Ion:149 Resp: 443338

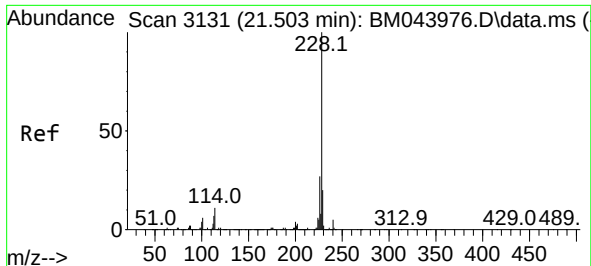
Ion Ratio Lower Upper

149 100

91 76.4 58.4 87.6

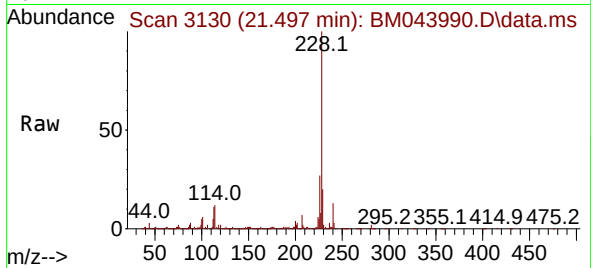
206 18.4 15.8 23.6





#81
Benzo(a)anthracene
Concen: 10.427 ng
RT: 21.497 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

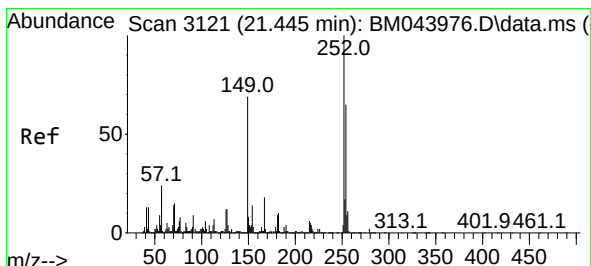
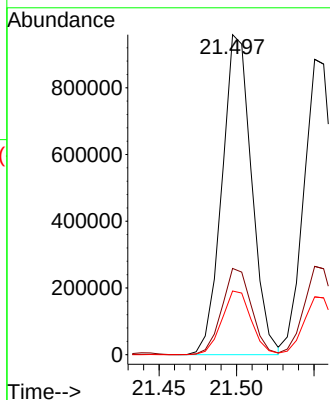
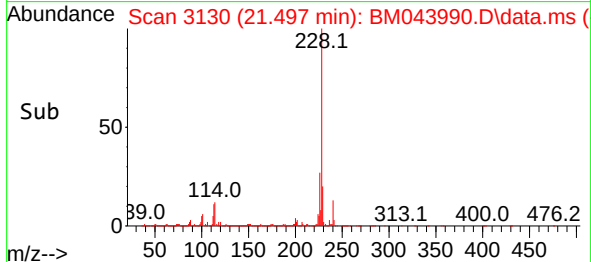
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:228 Resp: 127667
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.9 16.1 24.1

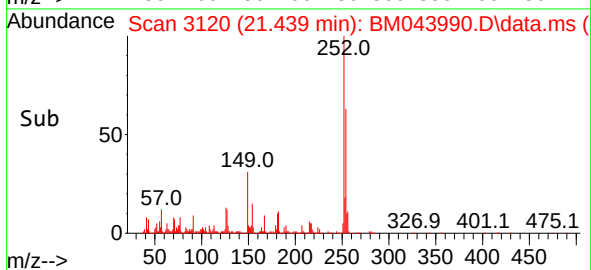
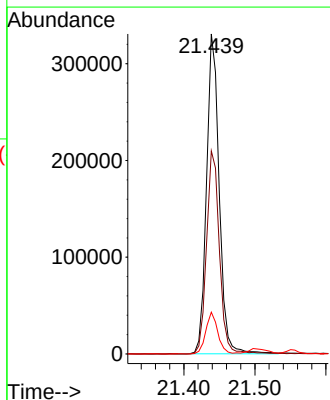
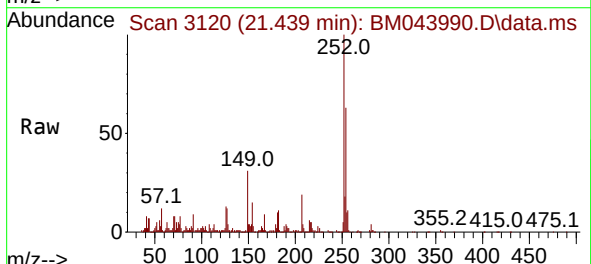
Manual Integrations
APPROVED

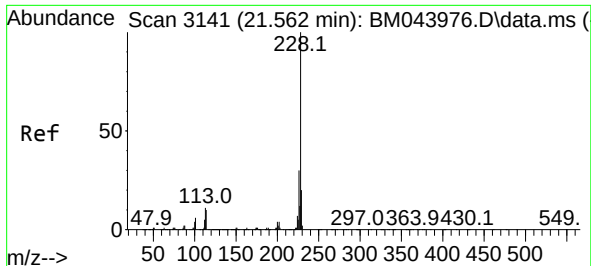
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#82
3,3'-Dichlorobenzidine
Concen: 10.465 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

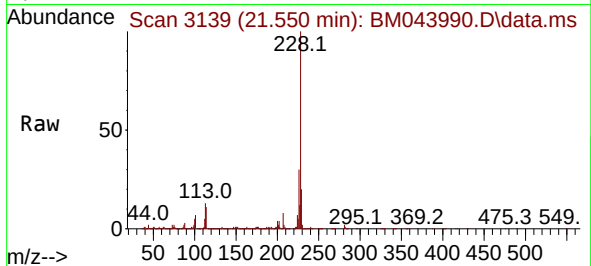
Tgt Ion:252 Resp: 409734
Ion Ratio Lower Upper
252 100
254 63.5 51.6 77.4
126 13.1 9.4 14.2





#83
Chrysene
Concen: 10.166 ng
RT: 21.550 min Scan# 3141
Delta R.T. -0.012 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

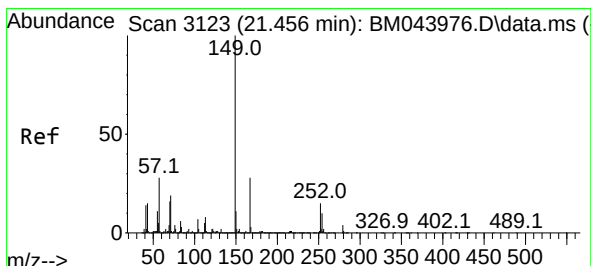
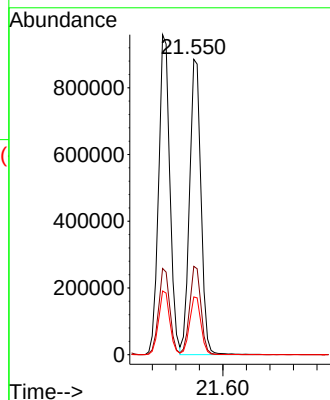
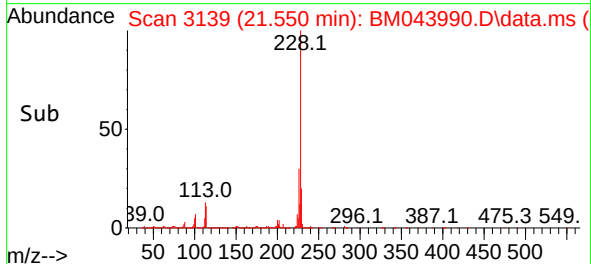
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:228 Resp: 1192544
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 19.6 15.8 23.8

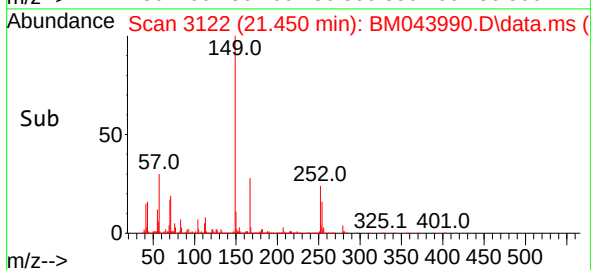
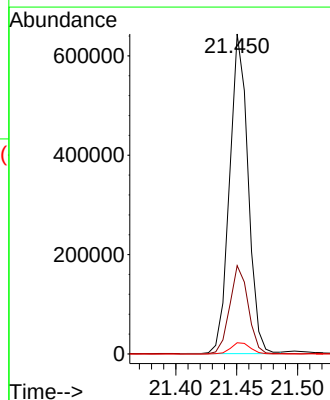
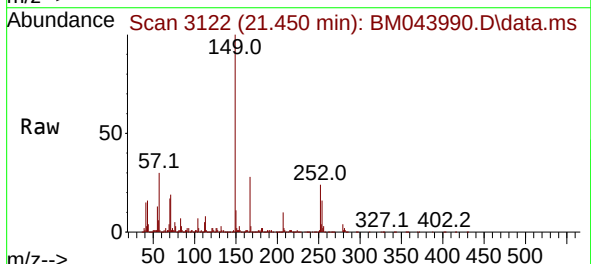
Manual Integrations
APPROVED

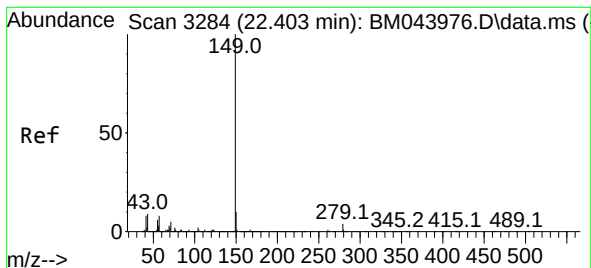
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.656 ng
RT: 21.450 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

Tgt Ion:149 Resp: 682165
Ion Ratio Lower Upper
149 100
167 27.6 22.0 33.0
279 3.5 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 9.140 ng

RT: 22.397 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:149 Resp: 111231

Ion Ratio Lower Upper

149 100

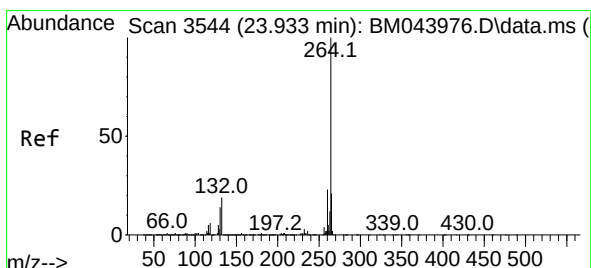
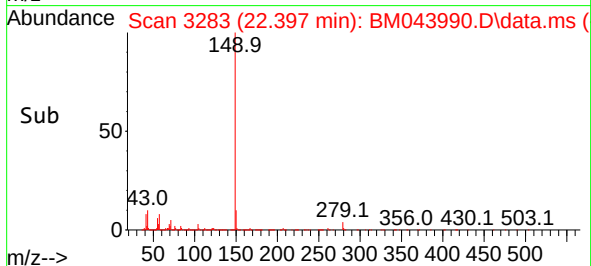
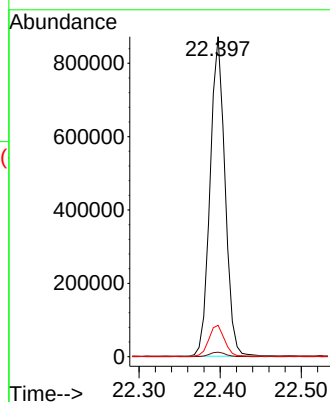
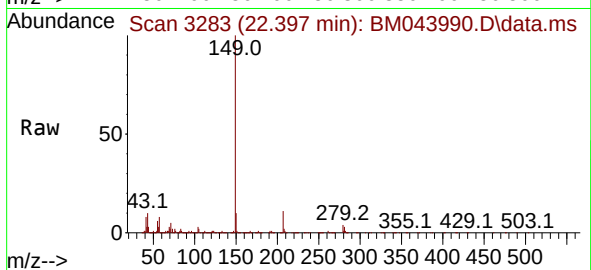
167 1.6 1.2 1.8

43 10.4 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: 23.927 min Scan# 3543

Delta R.T. -0.006 min

Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

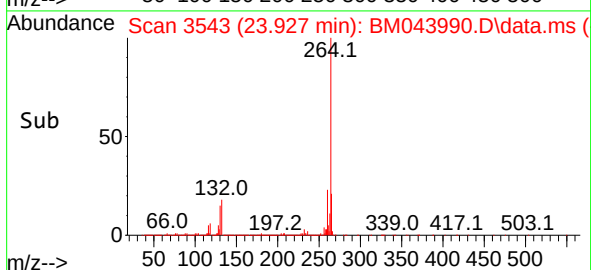
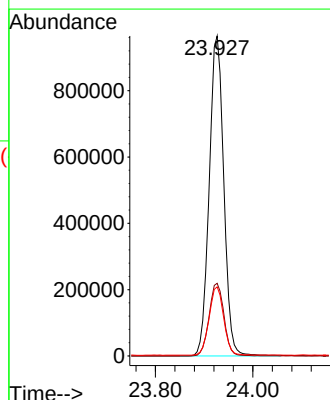
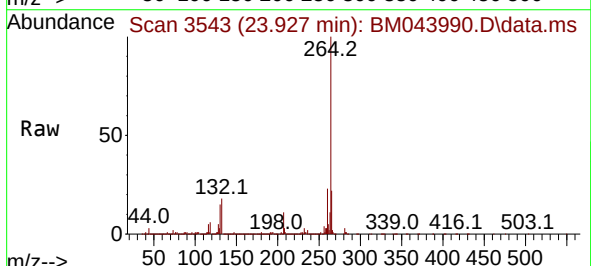
Tgt Ion:264 Resp: 1996622

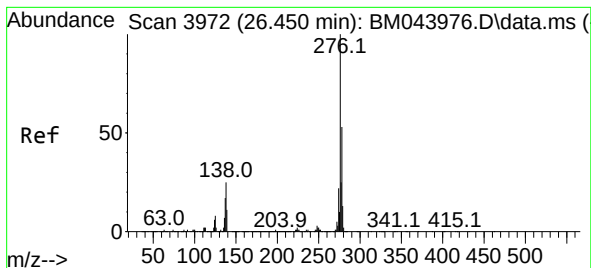
Ion Ratio Lower Upper

264 100

260 22.7 18.6 28.0

265 21.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.796 ng

RT: 26.427 min Scan# 3972

Delta R.T. -0.024 min

Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:276 Resp: 1463570

Ion Ratio Lower Upper

276 100

138 27.4 21.8 32.6

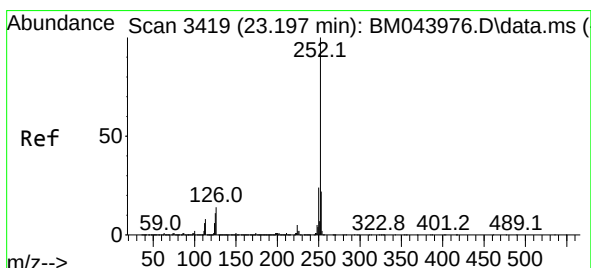
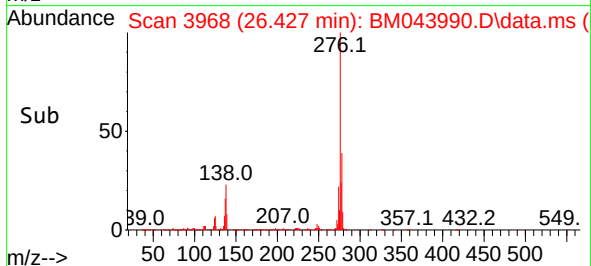
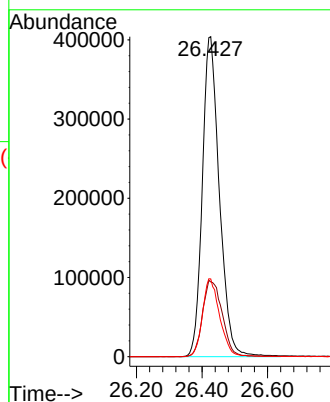
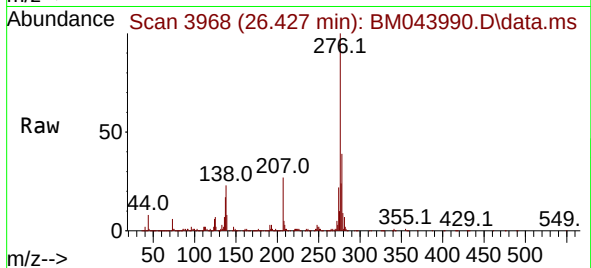
277 24.7 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#88

Benzo(b)fluoranthene

Concen: 9.867 ng

RT: 23.191 min Scan# 3418

Delta R.T. -0.006 min

Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

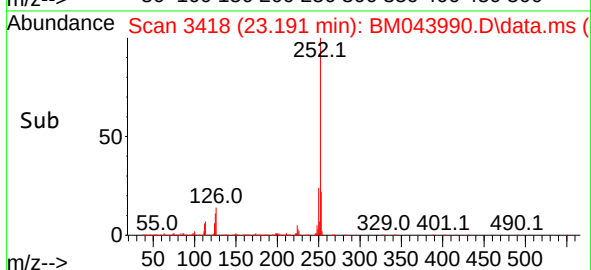
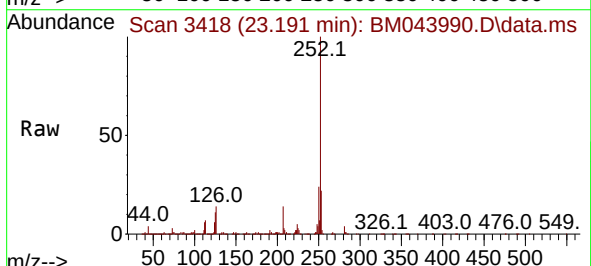
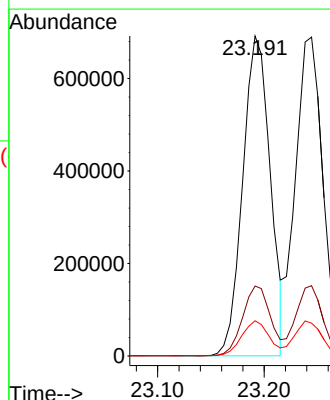
Tgt Ion:252 Resp: 1239218

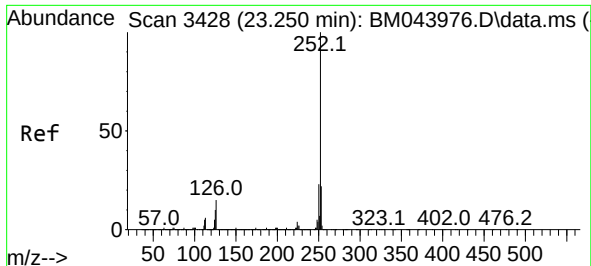
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

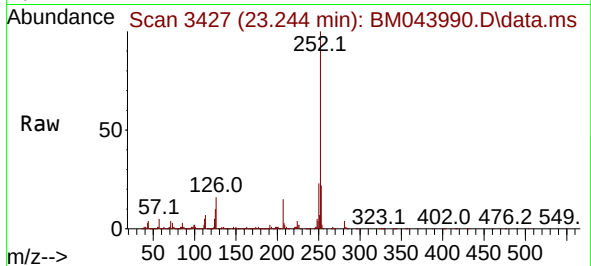
125 11.0 9.0 13.6





#89
Benzo(k)fluoranthene
Concen: 10.353 ng
RT: 23.244 min Scan# 3428
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03

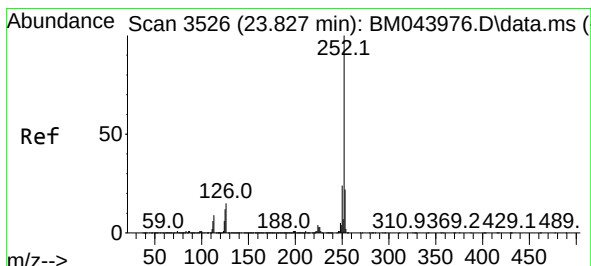
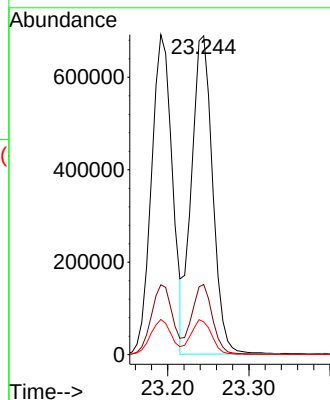
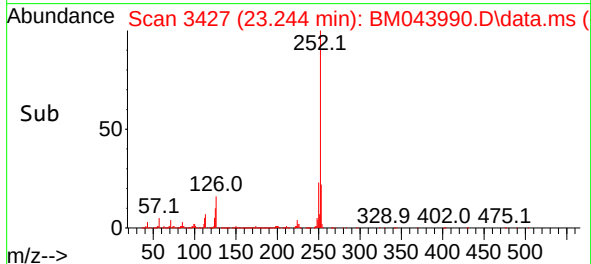
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023



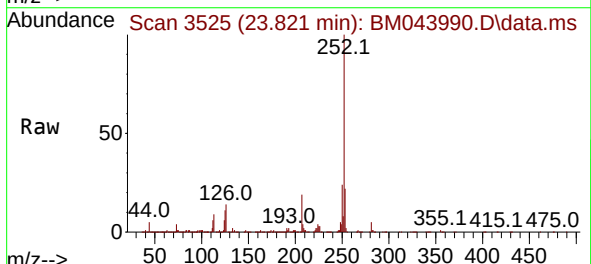
Tgt Ion:252 Resp: 1247420
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.3 8.3 12.5

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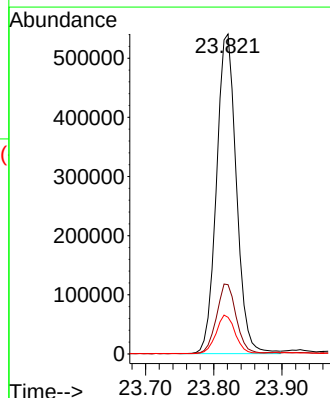
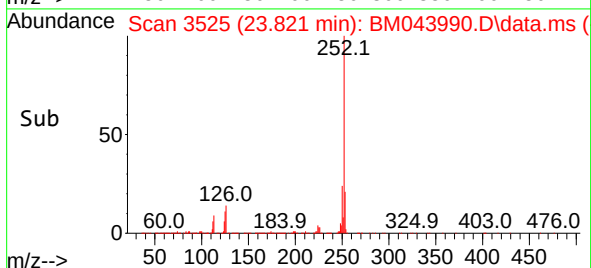
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

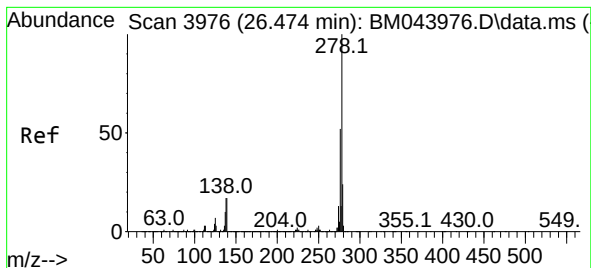


#90
Benzo(a)pyrene
Concen: 9.891 ng
RT: 23.821 min Scan# 3525
Delta R.T. -0.006 min
Lab File: BM043990.D
Acq: 06 Feb 2024 14:03



Tgt Ion:252 Resp: 1098017
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 11.5 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 9.811 ng

RT: 26.456 min Scan# 3976

Delta R.T. -0.018 min

Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:278 Resp: 120879

Ion Ratio Lower Upper

278 100

139 17.3 13.7 20.5

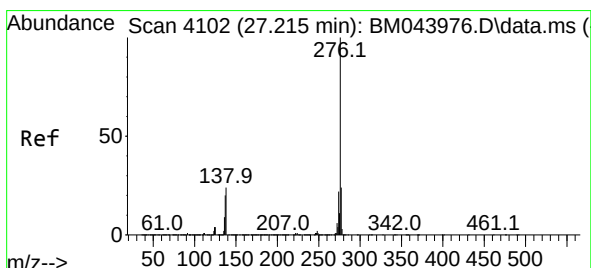
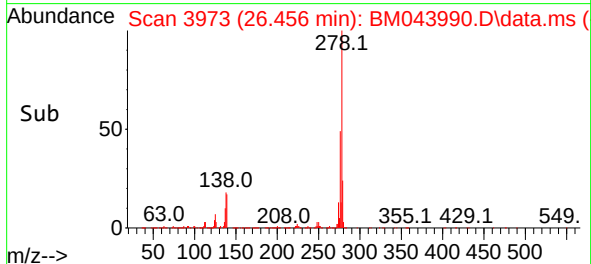
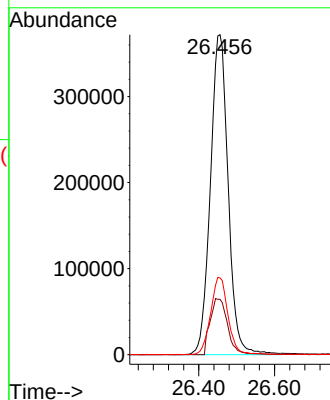
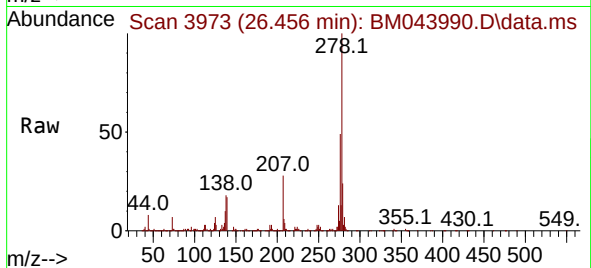
279 24.0 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#92

Benzo(g,h,i)perylene

Concen: 9.281 ng

RT: 27.191 min Scan# 4098

Delta R.T. -0.024 min

Lab File: BM043990.D

Acq: 06 Feb 2024 14:03

Tgt Ion:276 Resp: 1166391

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 23.8 18.8 28.2

