

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM043994.D
 Acq On : 06 Feb 2024 16:27
 Operator : MA/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Feb 07 03:09:22 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	297569	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	1301267	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	796041	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1703625	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1829659	20.000	ng	0.00
86) Perylene-d12	23.927	264	2139326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	3013124	149.531	ng	0.00
7) Phenol-d6	7.087	99	3970005	133.344	ng	0.00
23) Nitrobenzene-d5	9.092	82	2232572	82.705	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1239689	127.755	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	5013874	86.546	ng	0.00
79) Terphenyl-d14	19.956	244	8418158	88.817	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.399	88	92906	11.930	ng	96
3) Pyridine	3.799	79	232358	9.804	ng	96
4) n-Nitrosodimethylamine	3.716	42	103715	10.180	ng	# 94
6) Aniline	7.251	93	328874	11.102	ng	98
8) 2-Chlorophenol	7.481	128	215870	9.649	ng	99
9) Benzaldehyde	7.069	77	214739	12.490	ng	100
10) Phenol	7.110	94	292560	9.883	ng	93
11) bis(2-Chloroethyl)ether	7.357	93	237291	10.228	ng	99
12) 1,3-Dichlorobenzene	7.810	146	245606	10.168	ng	97
13) 1,4-Dichlorobenzene	7.957	146	252222	10.325	ng	99
14) 1,2-Dichlorobenzene	8.269	146	239117	9.925	ng	99
15) Benzyl Alcohol	8.169	79	196642	9.636	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.463	45	333061m	10.705	ng	
17) 2-Methylphenol	8.369	107	177171	9.363	ng	98
18) Hexachloroethane	8.992	117	93948	10.249	ng	96
19) n-Nitroso-di-n-propyla...	8.733	70	188320	9.613	ng	98
20) 3+4-Methylphenols	8.698	107	237860	8.906	ng	99
22) Acetophenone	8.751	105	368571	10.453	ng	# 99
24) Nitrobenzene	9.133	77	273036	10.081	ng	99
25) Isophorone	9.657	82	477446	9.501	ng	98
26) 2-Nitrophenol	9.839	139	94441	8.628	ng	98
27) 2,4-Dimethylphenol	9.904	122	162083	10.784	ng	93
28) bis(2-Chloroethoxy)met...	10.151	93	323800	10.551	ng	99
29) 2,4-Dichlorophenol	10.369	162	183363	9.565	ng	99
30) 1,2,4-Trichlorobenzene	10.586	180	219978	10.159	ng	99
31) Naphthalene	10.775	128	729237	10.054	ng	99
32) Benzoic acid	9.975	122	91508	11.442	ng	95
33) 4-Chloroaniline	10.892	127	309136	10.370	ng	99
34) Hexachlorobutadiene	11.051	225	117449	9.946	ng	98
35) Caprolactam	11.663	113	62974	8.010	ng	98
36) 4-Chloro-3-methylphenol	12.010	107	216974	9.242	ng	99
37) 2-Methylnaphthalene	12.386	142	496771	9.821	ng	99
38) 1-Methylnaphthalene	12.604	142	486297	9.631	ng	100
40) 1,2,4,5-Tetrachloroben...	12.751	216	242765	10.753	ng	100
41) Hexachlorocyclopentadiene	12.721	237	87317	11.759	ng	95
43) 2,4,6-Trichlorophenol	12.998	196	144118	9.446	ng	98

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Instrument :
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 ClientSampleId :
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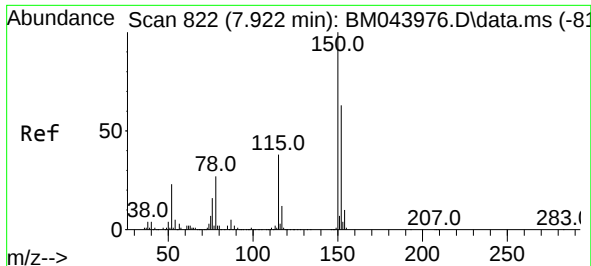
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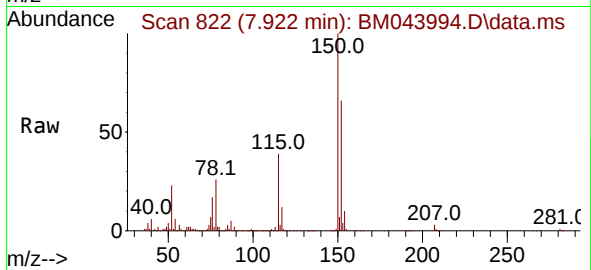
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	162002	9.306	ng	99
46) 1,1'-Biphenyl	13.404	154	664345	10.613	ng	100
47) 2-Chloronaphthalene	13.439	162	511209	10.240	ng	100
48) 2-Nitroaniline	13.651	65	144627	8.907	ng	97
49) Acenaphthylene	14.286	152	819772	10.742	ng	100
50) Dimethylphthalate	14.033	163	627329	10.146	ng	100
51) 2,6-Dinitrotoluene	14.151	165	121477	8.938	ng	96
52) Acenaphthene	14.627	154	483724	9.999	ng	99
53) 3-Nitroaniline	14.480	138	140999	8.936	ng	96
54) 2,4-Dinitrophenol	14.680	184	40229	11.752	ng	98
55) Dibenzofuran	14.963	168	785052	10.428	ng	98
56) 4-Nitrophenol	14.780	139	112371	8.149	ng	99
57) 2,4-Dinitrotoluene	14.933	165	152714	8.072	ng	94
58) Fluorene	15.615	166	635915	10.002	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.186	232	143198	9.542	ng	97
60) Diethylphthalate	15.398	149	626282	9.784	ng	99
61) 4-Chlorophenyl-phenyle...	15.615	204	299996	10.114	ng	99
62) 4-Nitroaniline	15.639	138	144802	8.393	ng	98
63) Azobenzene	15.910	77	637169	9.966	ng	98
65) 4,6-Dinitro-2-methylph...	15.692	198	61510	11.287	ng	89
66) n-Nitrosodiphenylamine	15.833	169	538157	10.605	ng	99
67) 4-Bromophenyl-phenylether	16.509	248	117275	6.988	ng	95
68) Hexachlorobenzene	16.609	284	199463	9.968	ng	99
69) Atrazine	16.786	200	171579	12.221	ng	99
70) Pentachlorophenol	16.956	266	100582	7.655	ng	99
71) Phenanthrene	17.356	178	1006288	10.605	ng	100
72) Anthracene	17.451	178	967661	10.416	ng	99
73) Carbazole	17.727	167	949787	9.872	ng	99
74) Di-n-butylphthalate	18.303	149	1036484	9.823	ng	99
75) Fluoranthene	19.380	202	1133884	9.663	ng	98
77) Benzidine	19.574	184	438152	18.874	ng	99
78) Pyrene	19.739	202	1206116	9.590	ng	100
80) Butylbenzylphthalate	20.662	149	499985	10.039	ng	99
81) Benzo(a)anthracene	21.497	228	1342069	10.455	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	440727	10.738	ng	99
83) Chrysene	21.550	228	1242889	10.107	ng	99
84) Bis(2-ethylhexyl)phtha...	21.450	149	733740	9.907	ng	100
85) Di-n-octyl phthalate	22.391	149	1213271	9.509	ng	100
87) Indeno(1,2,3-cd)pyrene	26.421	276	1645578	10.280	ng	99
88) Benzo(b)fluoranthene	23.191	252	1417696	10.535	ng	99
89) Benzo(k)fluoranthene	23.238	252	1321429	10.235	ng	98
90) Benzo(a)pyrene	23.815	252	1170999	9.845	ng	99
91) Dibenzo(a,h)anthracene	26.450	278	1379900	10.452	ng	99
92) Benzo(g,h,i)perylene	27.185	276	1318523	9.792	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: BM043994.D
Acq: 06 Feb 2024 16:27

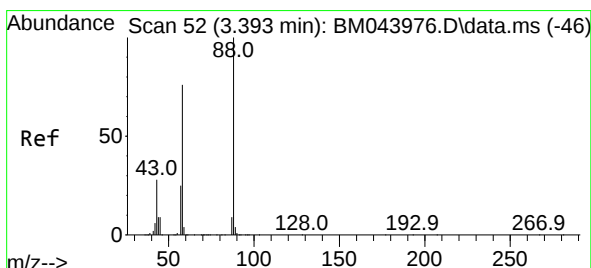
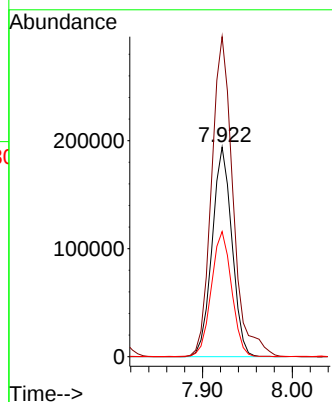
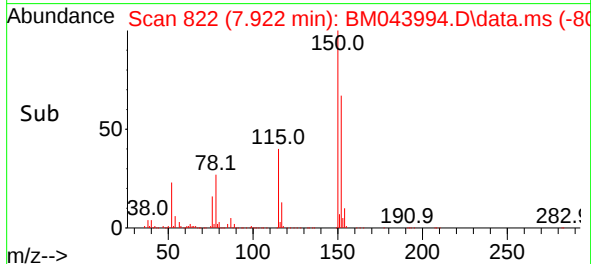
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion: 152 Resp: 297569
Ion Ratio Lower Upper
152 100
150 152.7 126.1 189.1
115 59.7 48.2 72.2

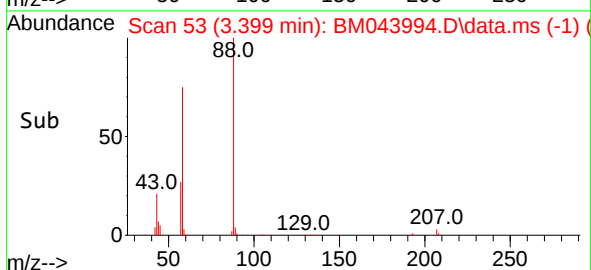
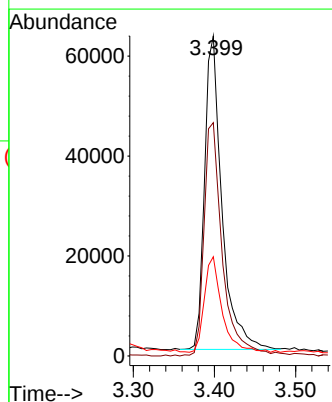
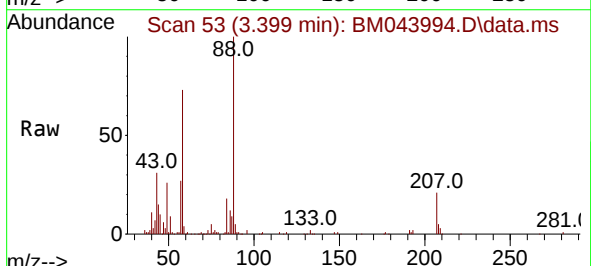
Manual Integrations
APPROVED

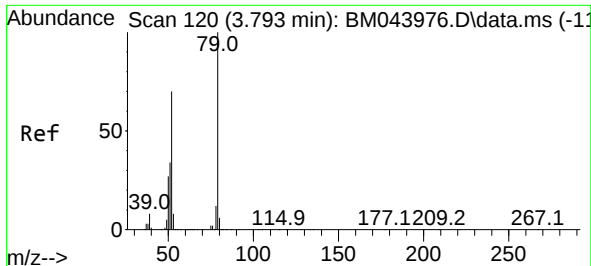
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#2
1,4-Dioxane
Concen: 11.930 ng
RT: 3.399 min Scan# 53
Delta R.T. 0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

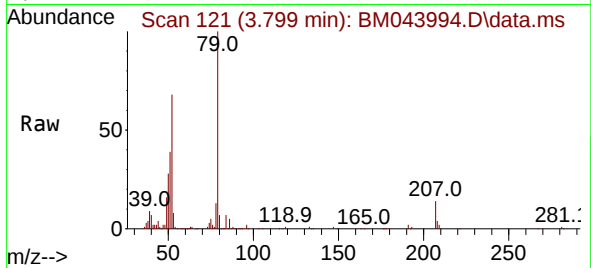
Tgt Ion: 88 Resp: 92906
Ion Ratio Lower Upper
88 100
58 79.2 61.0 91.6
43 31.7 23.0 34.6





#3
Pyridine
Concen: 9.804 ng
RT: 3.799 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

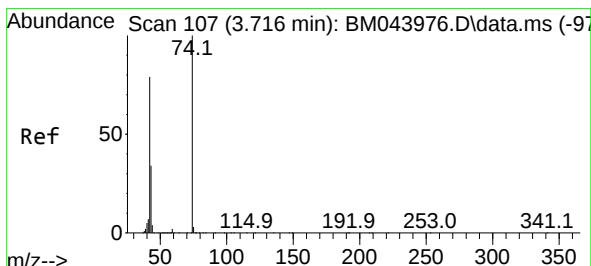
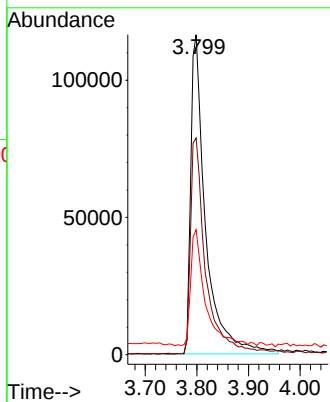
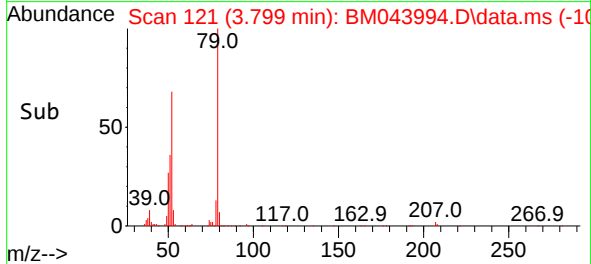
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



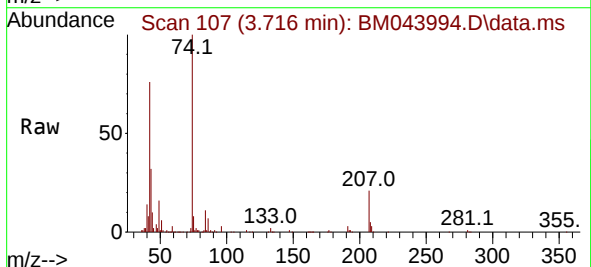
Tgt Ion: 79 Resp: 232358
Ion Ratio Lower Upper
79 100
52 67.7 55.9 83.9
51 39.0 28.2 42.2

Manual Integrations
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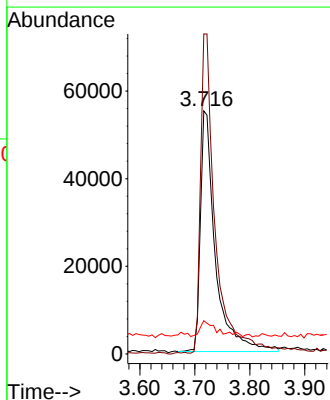
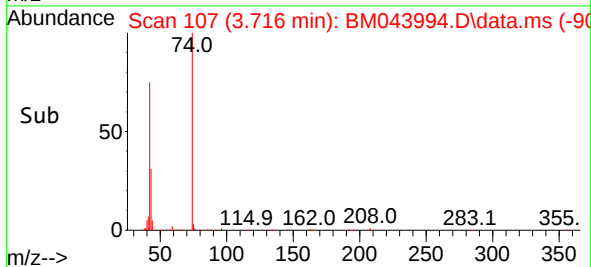
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Supervised By :mohammad ahmed 02/08/2024

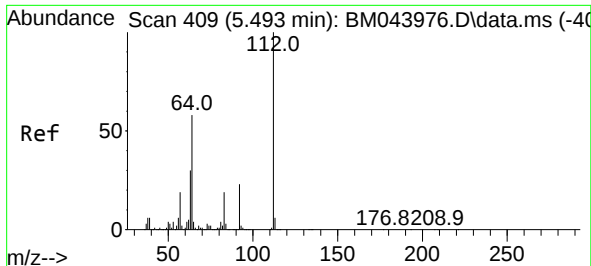


#4
n-Nitrosodimethylamine
Concen: 10.180 ng
RT: 3.716 min Scan# 107
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



Tgt Ion: 42 Resp: 103715
Ion Ratio Lower Upper
42 100
74 131.7 100.7 151.1
44 13.7 7.3 10.9#





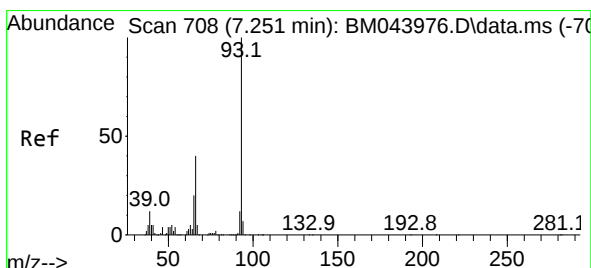
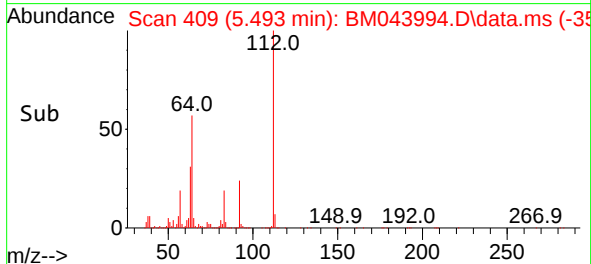
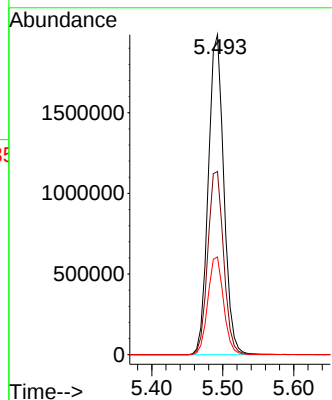
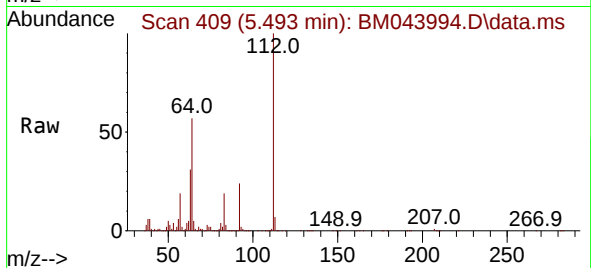
#5
2-Fluorophenol
Concen: 149.531 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:112 Resp: 3013124
Ion Ratio Lower Upper
112 100
64 57.2 46.6 70.0
63 30.6 24.2 36.4

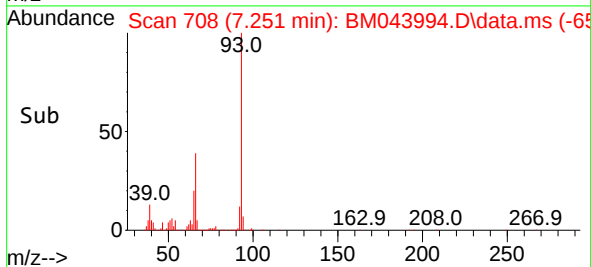
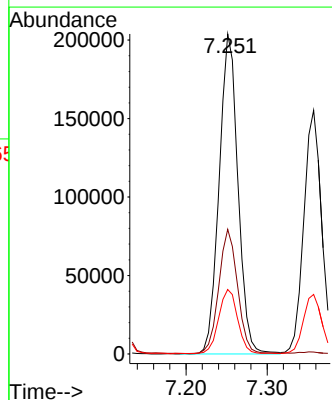
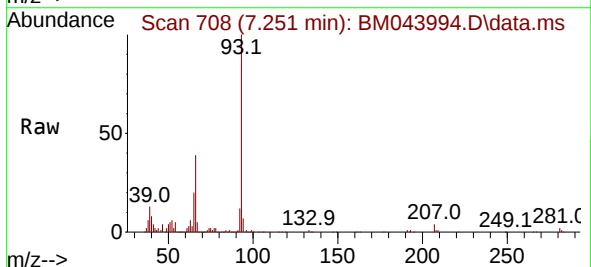
Manual Integrations
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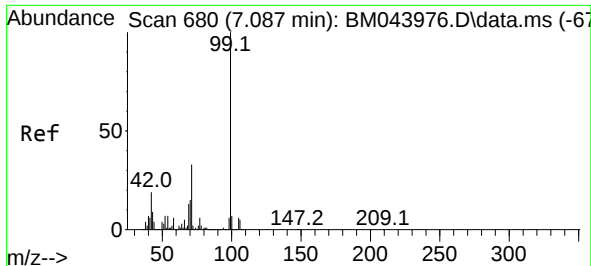
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#6
Aniline
Concen: 11.102 ng
RT: 7.251 min Scan# 708
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

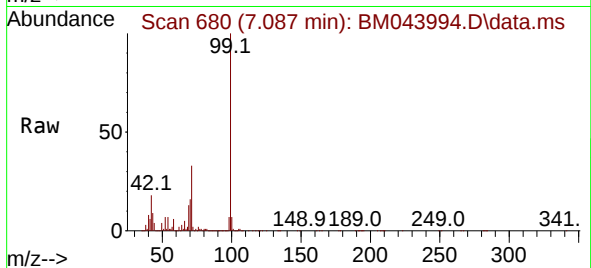
Tgt Ion: 93 Resp: 328874
Ion Ratio Lower Upper
93 100
66 38.9 32.2 48.2
65 20.1 15.8 23.8





#7
Phenol-d6
Concen: 133.344 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

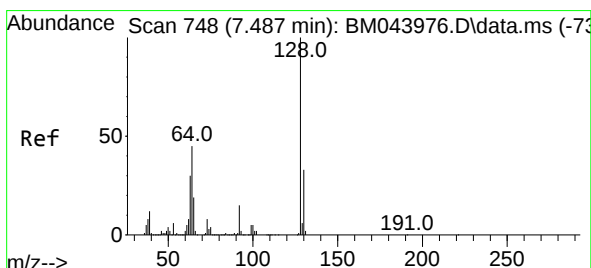
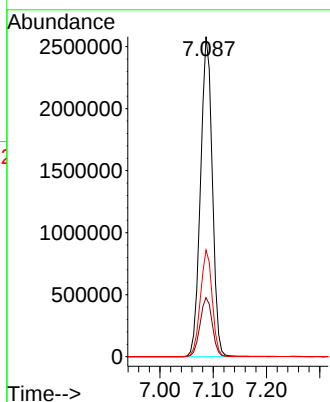
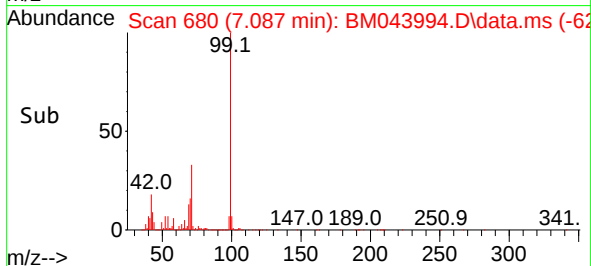
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 99 Resp: 397000
Ion Ratio Lower Upper
99 100
42 18.5 14.9 22.3
71 33.4 26.3 39.5

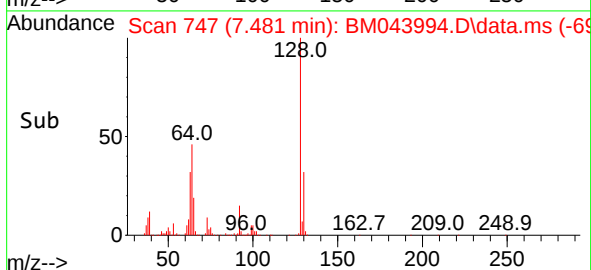
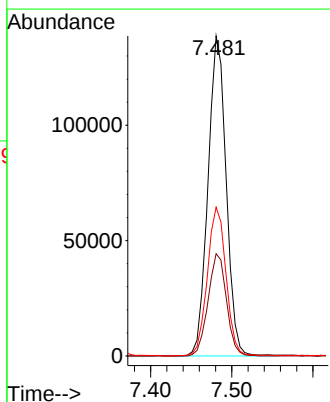
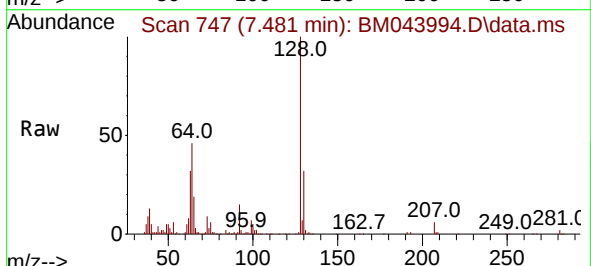
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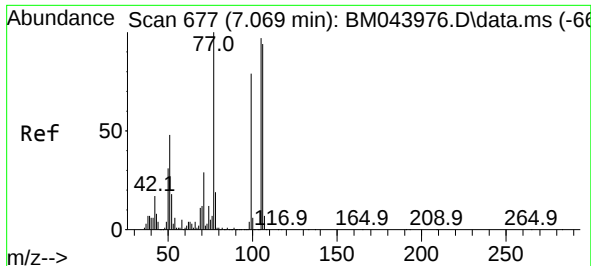
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#8
2-Chlorophenol
Concen: 9.649 ng
RT: 7.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

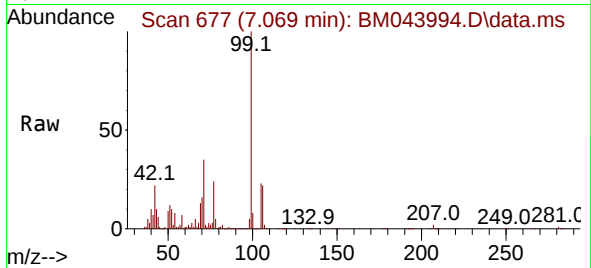
Tgt Ion:128 Resp: 215870
Ion Ratio Lower Upper
128 100
130 31.9 12.9 52.9
64 46.4 25.6 65.6





#9
Benzaldehyde
Concen: 12.490 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

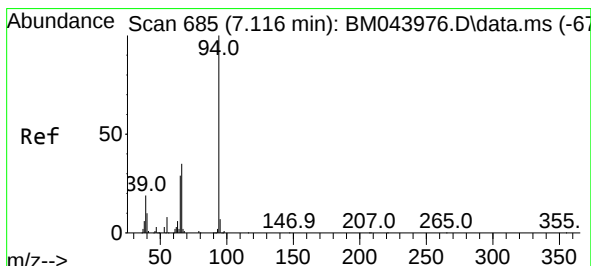
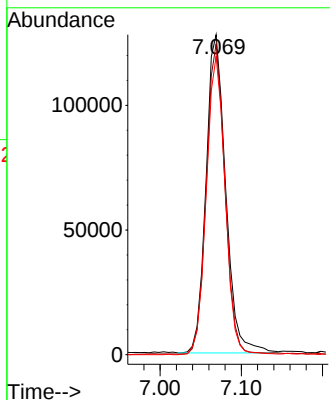
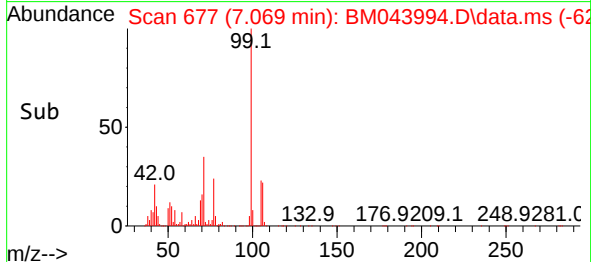
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion: 77 Resp: 214739
Ion Ratio Lower Upper
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105 97.1 77.4 117.4
106 93.3 73.5 113.5

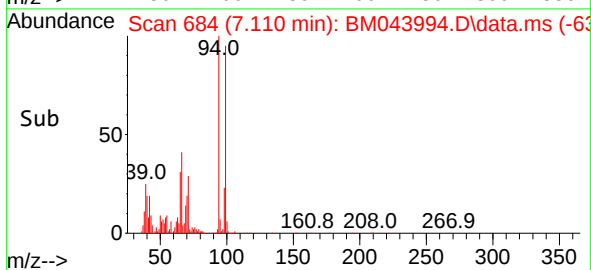
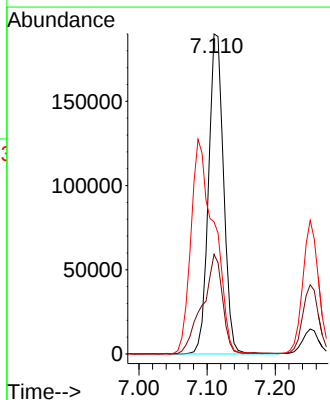
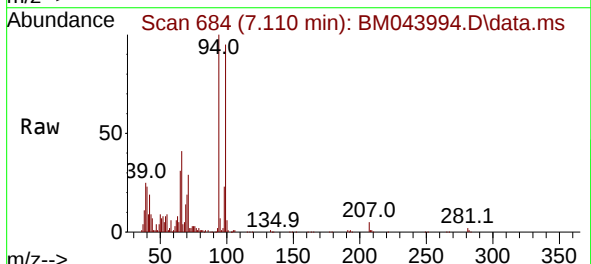
Manual Integrations
APPROVED

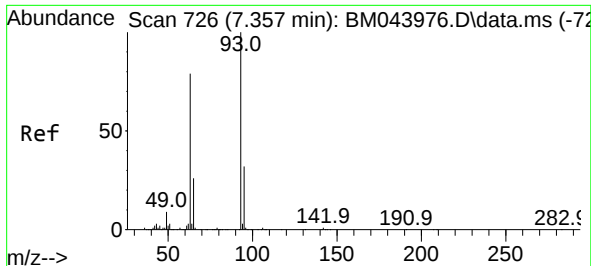
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#10
Phenol
Concen: 9.883 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

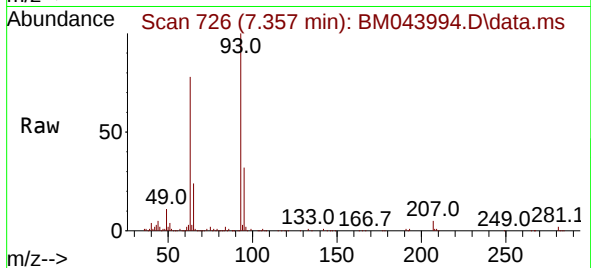
Tgt Ion: 94 Resp: 292560
Ion Ratio Lower Upper
94 100
65 31.1 9.3 49.3
66 41.3 15.7 55.7





#11
bis(2-Chloroethyl)ether
Concen: 10.228 ng
RT: 7.357 min Scan# 726
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

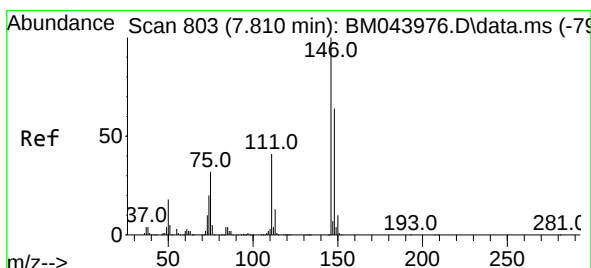
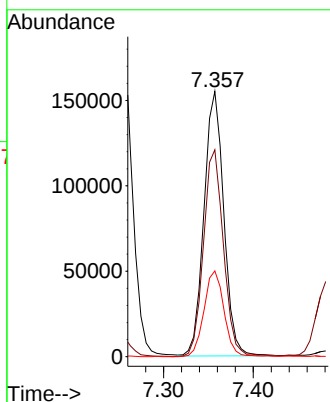
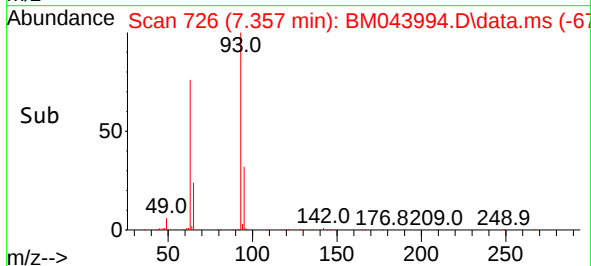
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion: 93 Resp: 23729
Ion Ratio Lower Upper
93 100
63 78.0 59.0 99.0
95 32.4 11.9 51.9

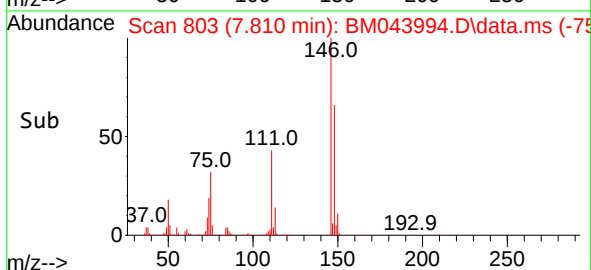
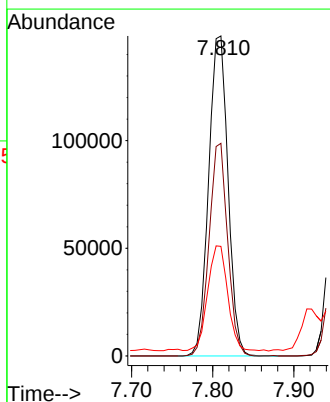
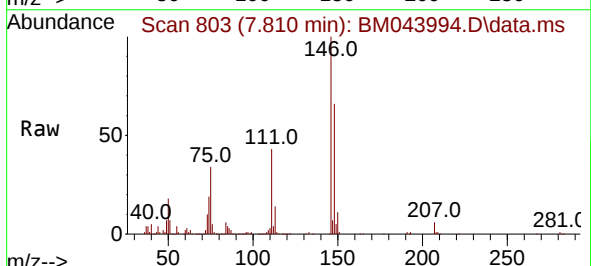
Manual Integrations
APPROVED

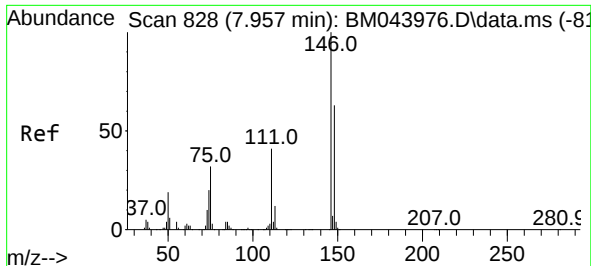
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#12
1,3-Dichlorobenzene
Concen: 10.168 ng
RT: 7.810 min Scan# 803
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

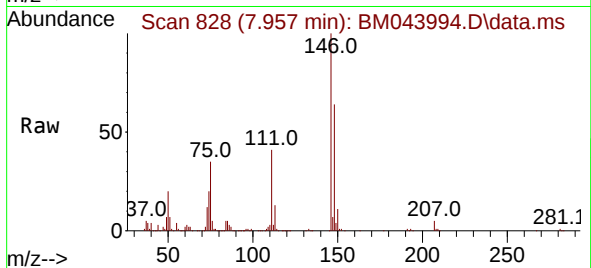
Tgt Ion:146 Resp: 245606
Ion Ratio Lower Upper
146 100
148 66.5 51.0 76.6
75 34.3 26.1 39.1





#13
1,4-Dichlorobenzene
Concen: 10.325 ng
RT: 7.957 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

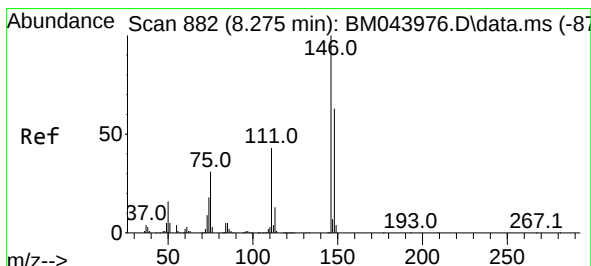
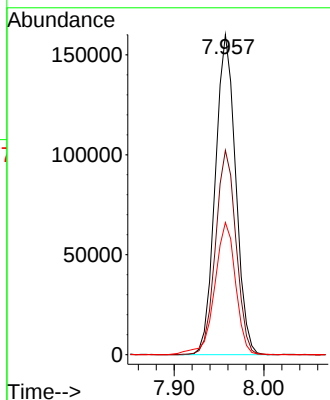
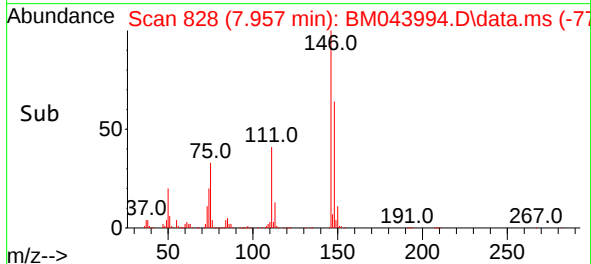
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



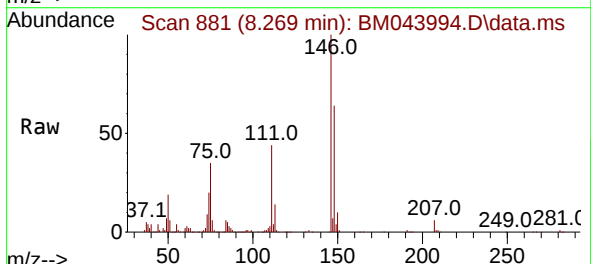
Tgt Ion:146 Resp: 25222
Ion Ratio Lower Upper
146 100
148 63.9 50.7 76.1
111 41.3 32.6 49.0

Manual Integrations
APPROVED

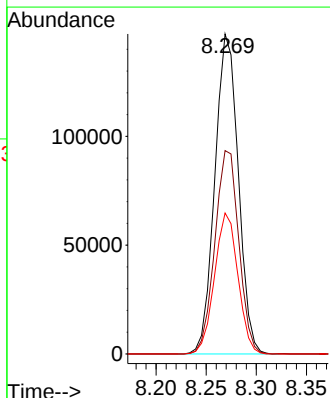
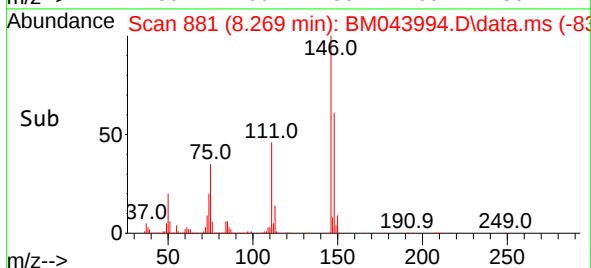
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

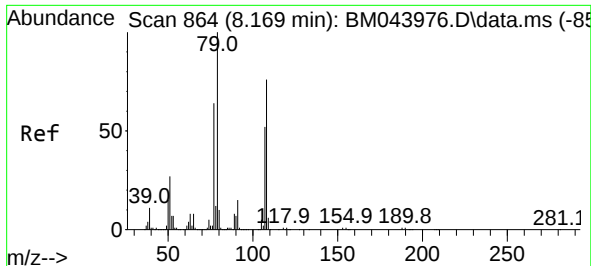


#14
1,2-Dichlorobenzene
Concen: 9.925 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



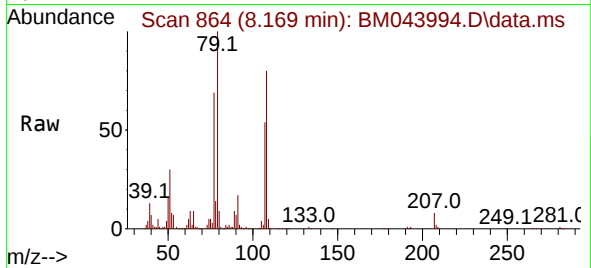
Tgt Ion:146 Resp: 239117
Ion Ratio Lower Upper
146 100
148 63.6 50.3 75.5
111 44.1 34.3 51.5





#15
Benzyl Alcohol
Concen: 9.636 ng
RT: 8.169 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

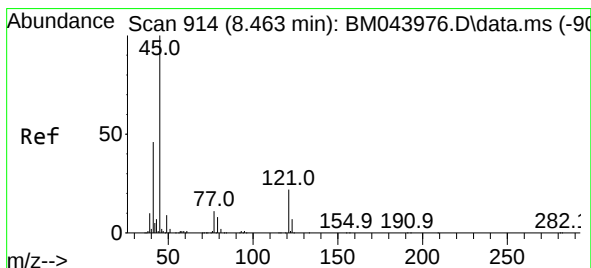
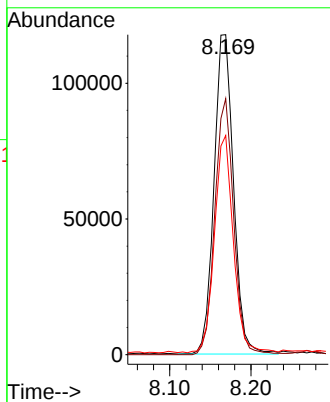
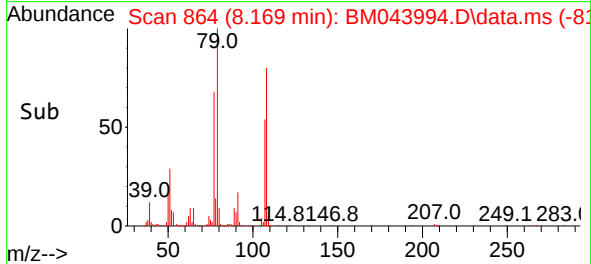
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



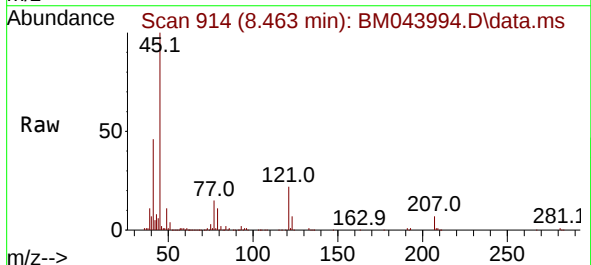
Tgt Ion: 79 Resp: 19664
Ion Ratio Lower Upper
79 100
108 80.0 60.7 91.1
77 68.5 50.9 76.3

Manual Integrations
APPROVED

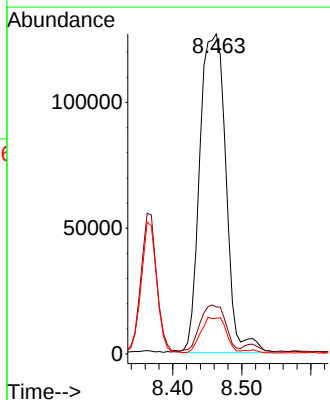
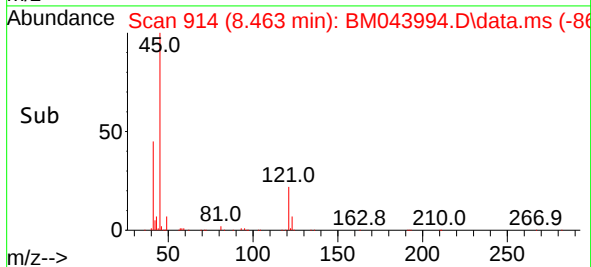
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

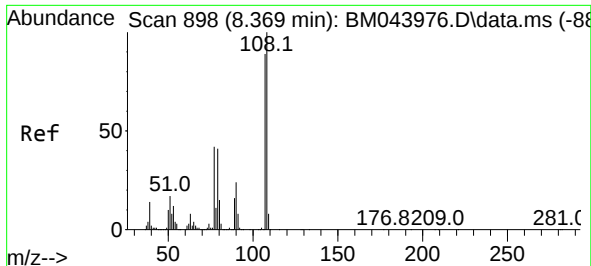


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.705 ng m
RT: 8.463 min Scan# 914
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



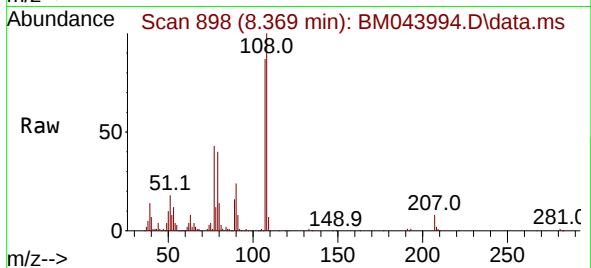
Tgt Ion: 45 Resp: 333061
Ion Ratio Lower Upper
45 100
77 14.7 0.0 34.4
79 11.2 0.0 31.2





#17
2-Methylphenol
Concen: 9.363 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

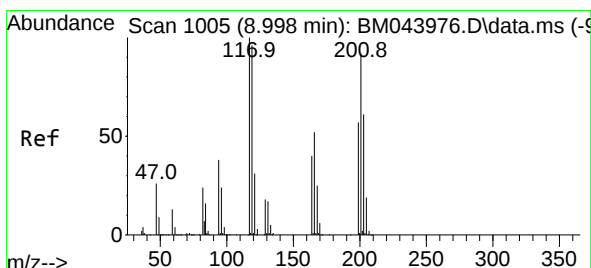
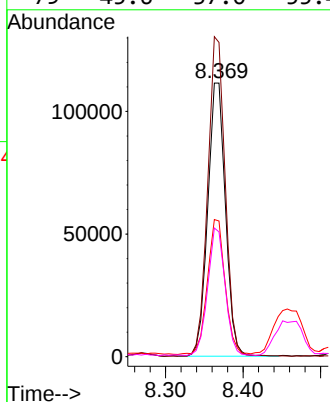
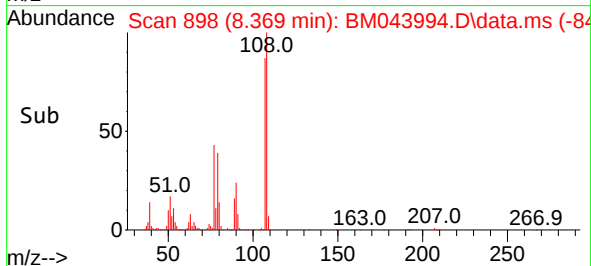
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:	107	Resp:	17717
Ion Ratio	Lower	Upper	
107	100		
108	114.8	90.4	135.6
77	49.6	38.0	57.0
79	45.6	37.0	55.4

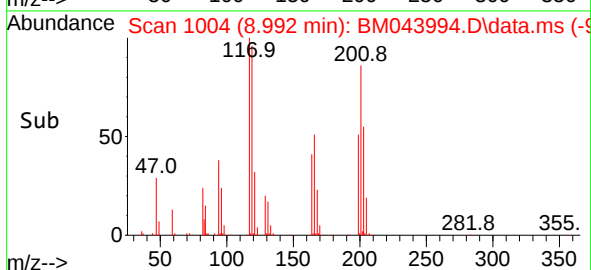
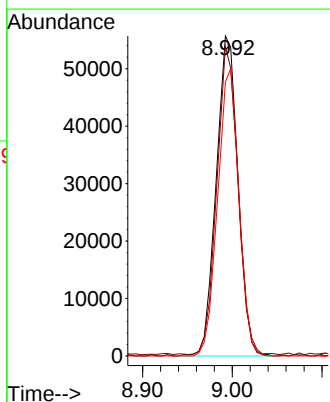
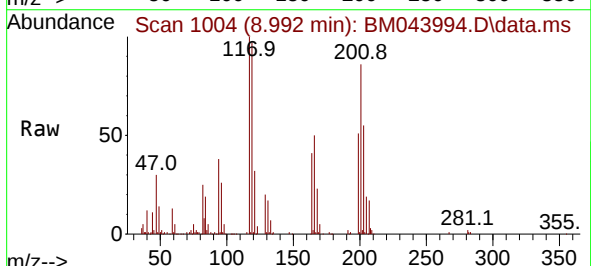
Manual Integrations
APPROVED

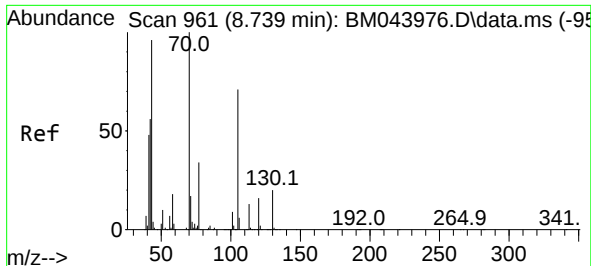
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#18
Hexachloroethane
Concen: 10.249 ng
RT: 8.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

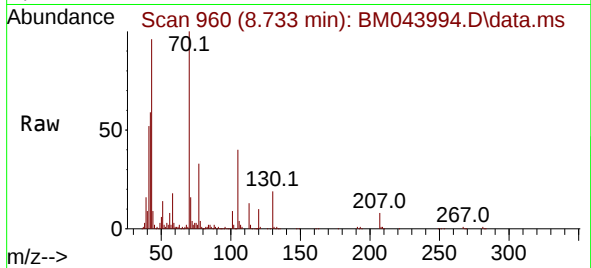
Tgt Ion:	117	Resp:	93948
Ion Ratio	Lower	Upper	
117	100		
119	96.8	76.7	115.1
201	85.6	73.4	110.2





#19
n-Nitroso-di-n-propylamine
Concen: 9.613 ng
RT: 8.733 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

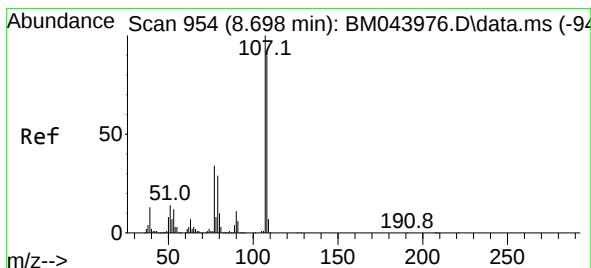
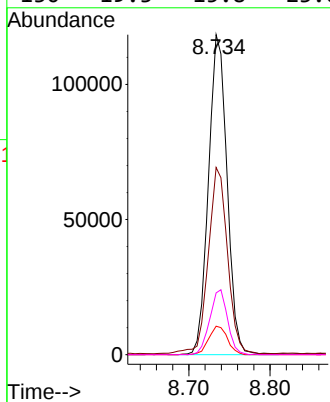
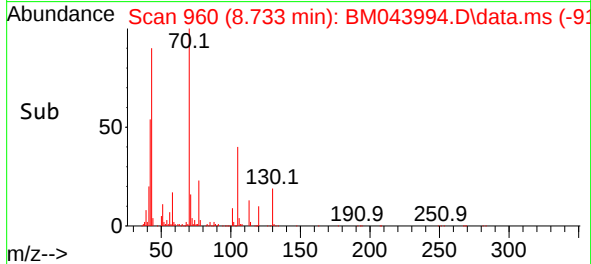
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



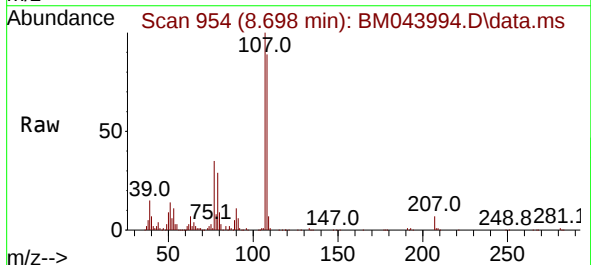
Tgt Ion: 70 Resp: 188320
Ion Ratio Lower Upper
70 100
42 58.5 45.6 68.4
101 8.9 7.5 11.3
130 19.3 15.8 23.6

Manual Integrations
APPROVED

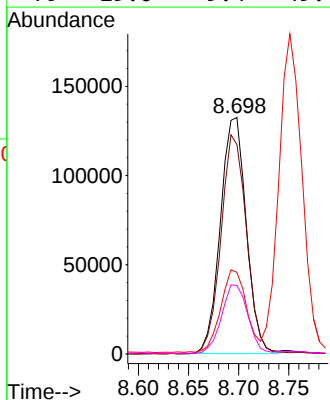
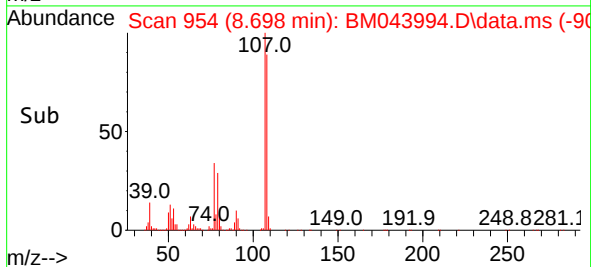
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

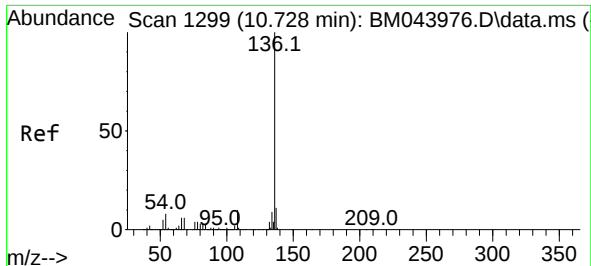


#20
3+4-Methylphenols
Concen: 8.906 ng
RT: 8.698 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



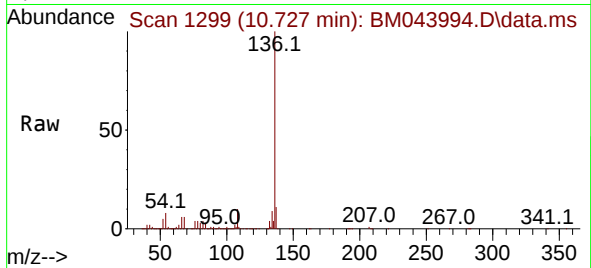
Tgt Ion:107 Resp: 237860
Ion Ratio Lower Upper
107 100
108 88.6 70.3 110.3
77 34.5 14.0 54.0
79 29.0 9.4 49.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 11
Delta R.T. -0.001 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

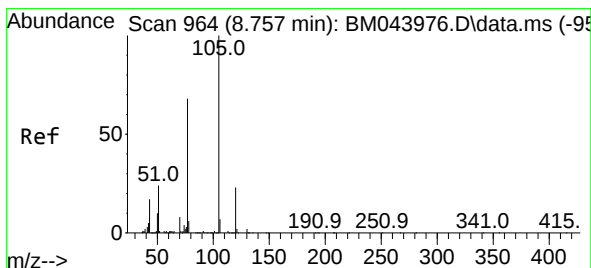
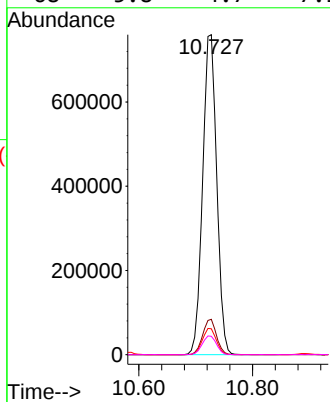
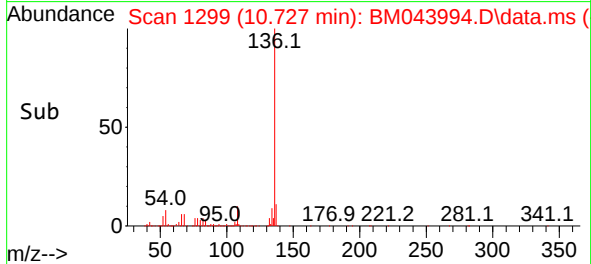
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:136 Resp: 130126
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.1 6.5 9.7
68 5.8 4.7 7.1

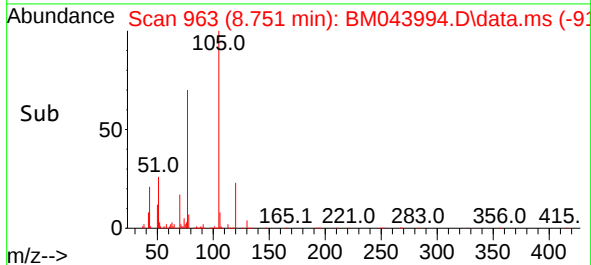
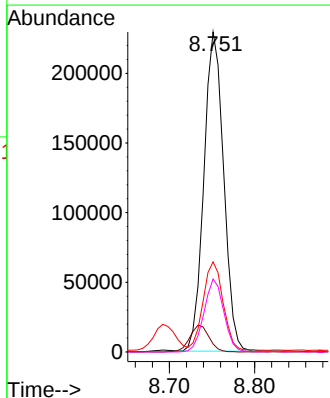
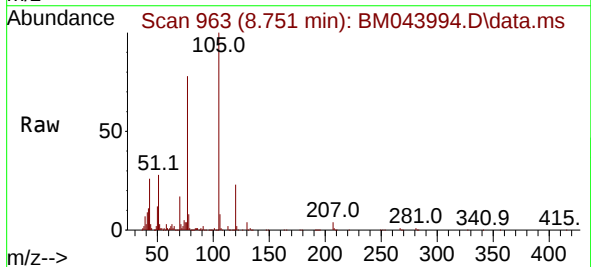
Manual Integrations
APPROVED

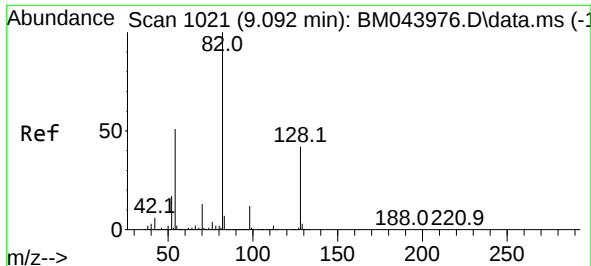
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#22
Acetophenone
Concen: 10.453 ng
RT: 8.751 min Scan# 963
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:105 Resp: 368571
Ion Ratio Lower Upper
105 100
71 2.5 1.6 2.4#
51 28.2 21.8 32.6
120 22.8 18.5 27.7





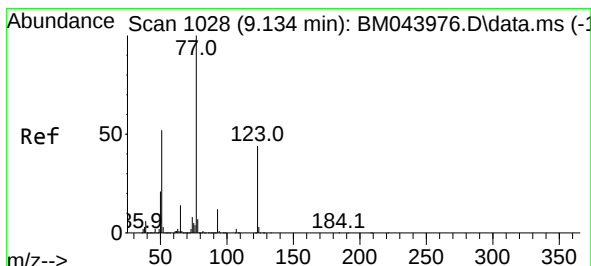
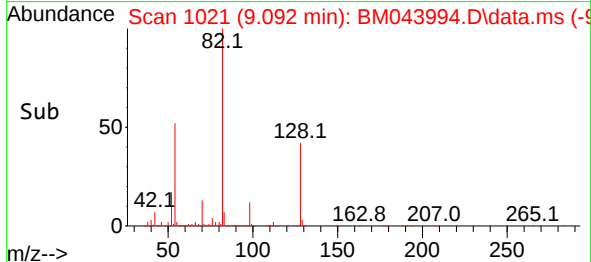
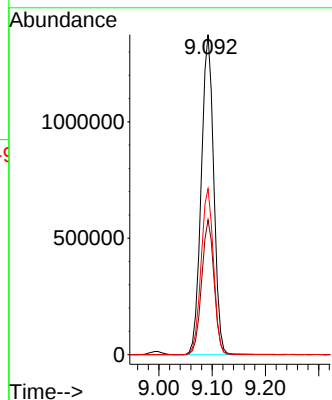
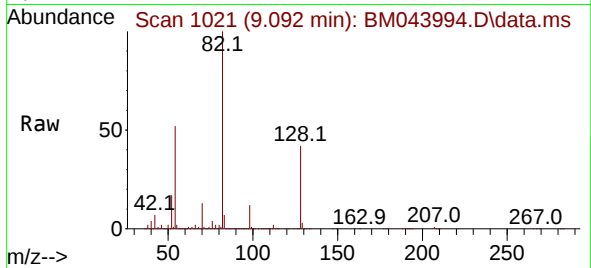
#23
Nitrobenzene-d5
Concen: 82.705 ng
RT: 9.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion: 82 Resp: 223257
Ion Ratio Lower Upper
82 100
128 42.1 33.9 50.9
54 51.8 41.1 61.7

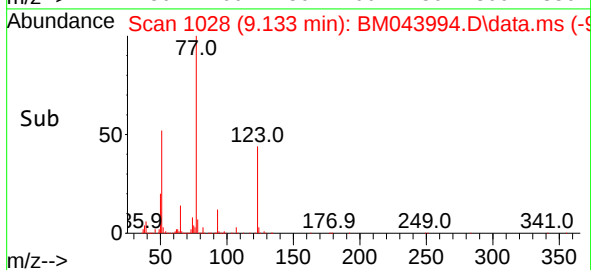
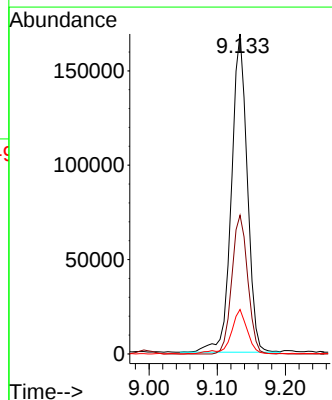
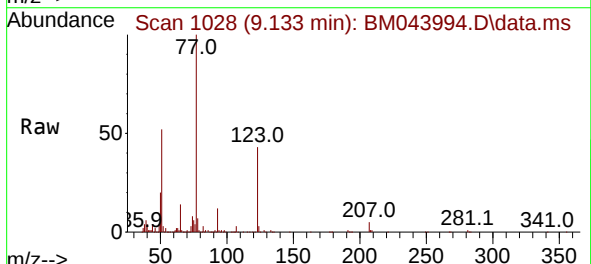
Manual Integrations
APPROVED

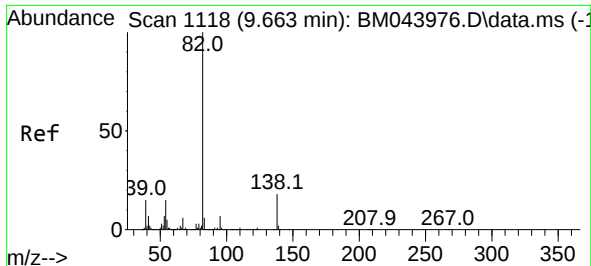
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#24
Nitrobenzene
Concen: 10.081 ng
RT: 9.133 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

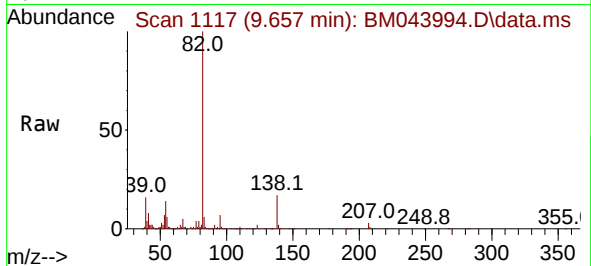
Tgt Ion: 77 Resp: 273036
Ion Ratio Lower Upper
77 100
123 43.4 35.3 52.9
65 13.9 10.9 16.3





#25
Isophorone
Concen: 9.501 ng
RT: 9.657 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

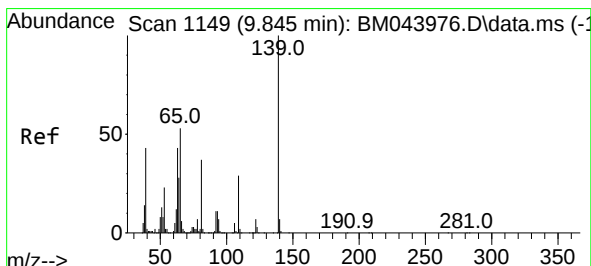
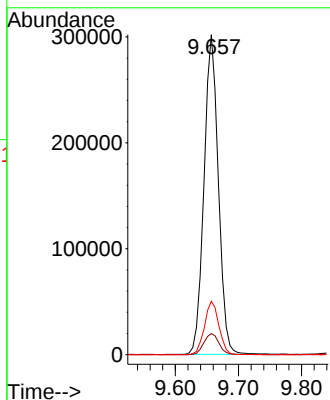
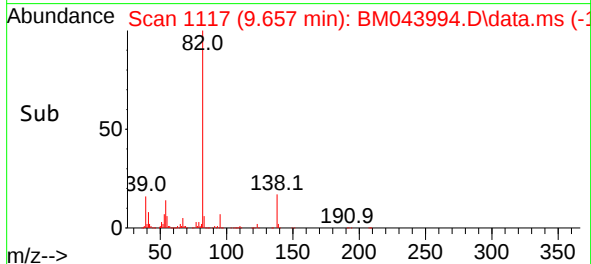
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion: 82 Resp: 477440
Ion Ratio Lower Upper
82 100
95 6.6 5.6 8.4
138 16.7 14.2 21.2

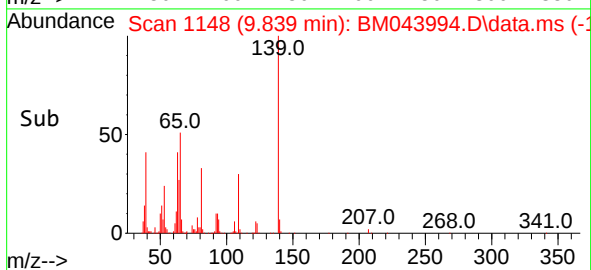
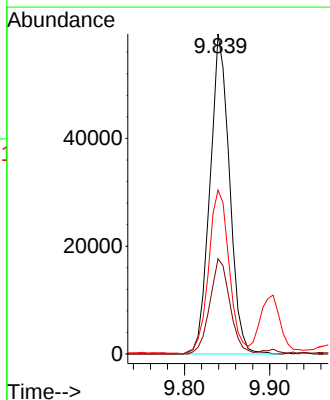
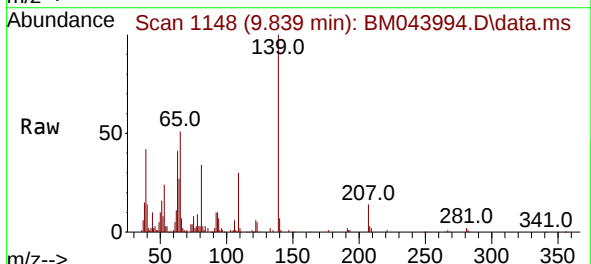
Manual Integrations
APPROVED

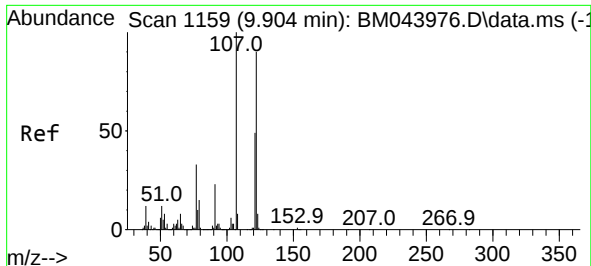
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#26
2-Nitrophenol
Concen: 8.628 ng
RT: 9.839 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

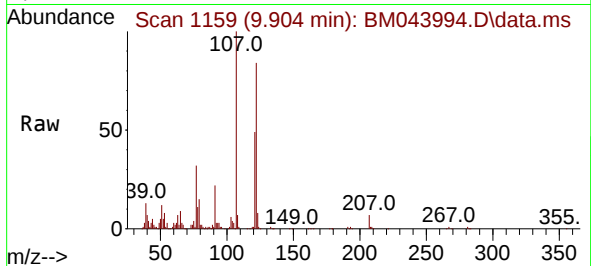
Tgt Ion:139 Resp: 94441
Ion Ratio Lower Upper
139 100
109 29.7 23.3 34.9
65 51.2 42.5 63.7





#27
2,4-Dimethylphenol
Concen: 10.784 ng
RT: 9.904 min Scan# 1159
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

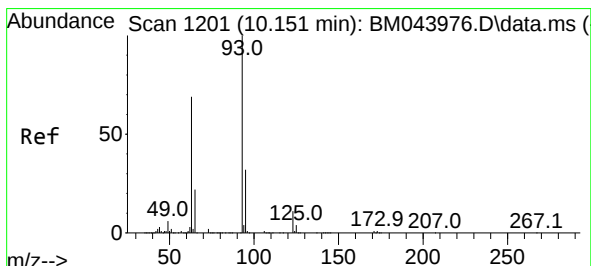
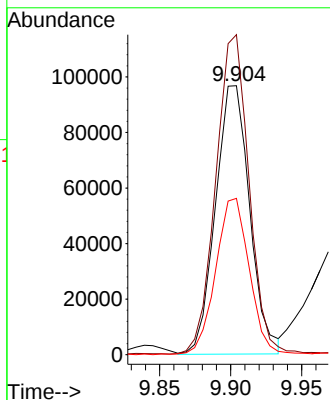
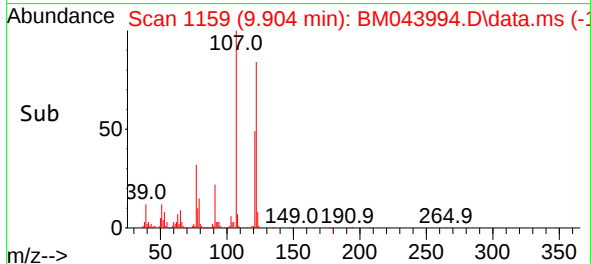
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2024



Tgt Ion:122 Resp: 16208
Ion Ratio Lower Upper
122 100
107 119.0 89.0 133.4
121 58.1 43.4 65.0

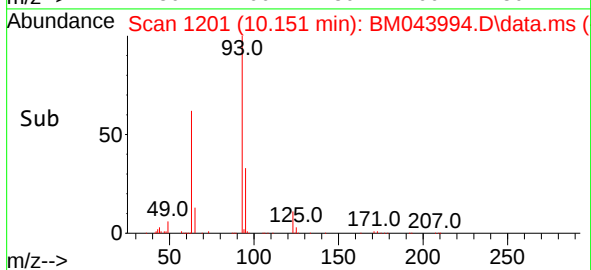
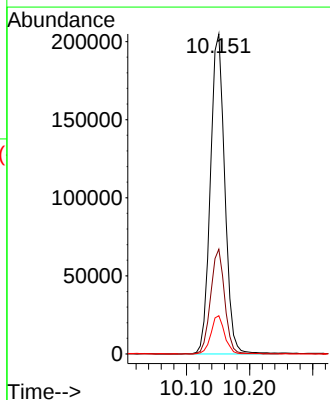
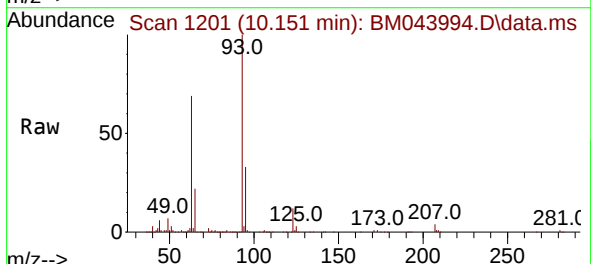
Manual Integrations
APPROVED

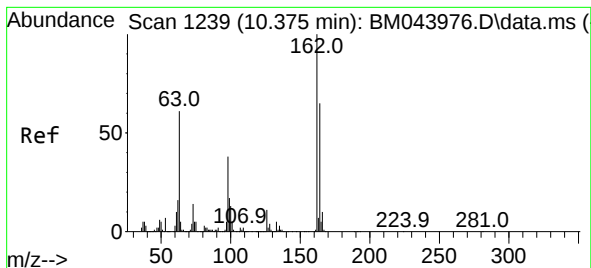
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#28
bis(2-Chloroethoxy)methane
Concen: 10.551 ng
RT: 10.151 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

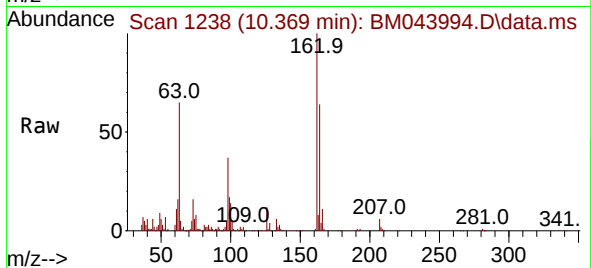
Tgt Ion: 93 Resp: 323800
Ion Ratio Lower Upper
93 100
95 32.8 25.9 38.9
123 11.9 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 9.565 ng
RT: 10.369 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

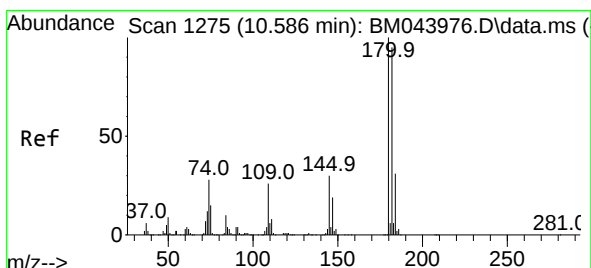
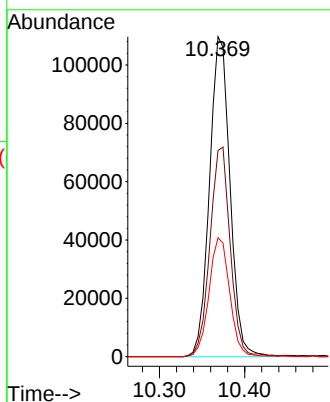
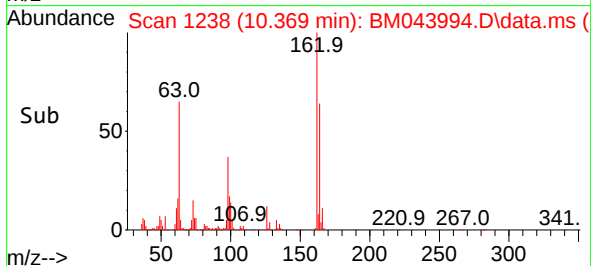
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:162 Resp: 18336
Ion Ratio Lower Upper
162 100
164 64.5 45.1 85.1
98 37.1 17.8 57.8

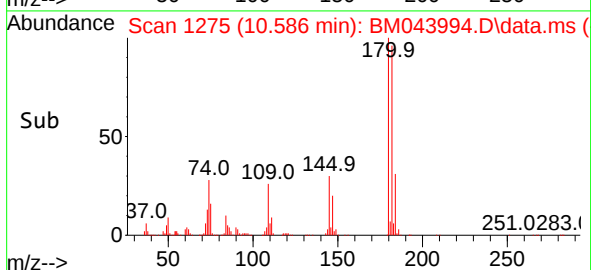
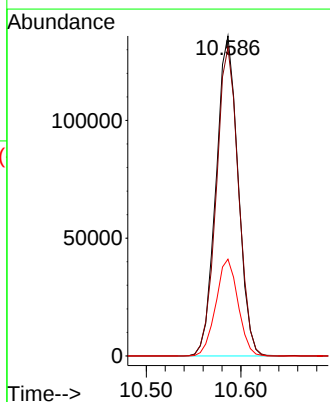
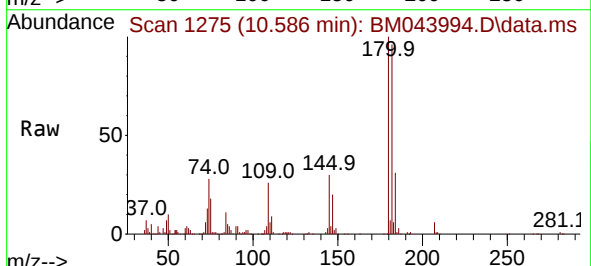
Manual Integrations
APPROVED

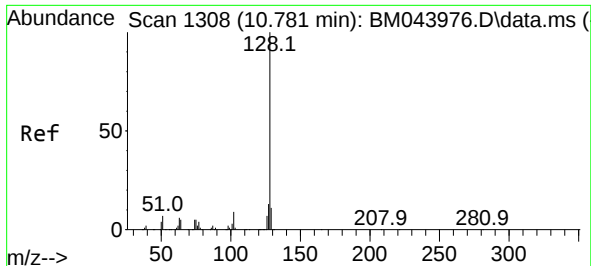
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#30
1,2,4-Trichlorobenzene
Concen: 10.159 ng
RT: 10.586 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

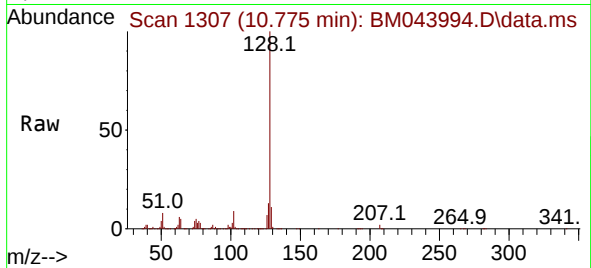
Tgt Ion:180 Resp: 219978
Ion Ratio Lower Upper
180 100
182 96.4 76.0 114.0
145 30.3 24.2 36.2





#31
Naphthalene
Concen: 10.054 ng
RT: 10.775 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

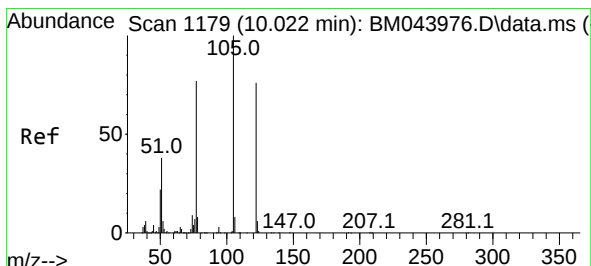
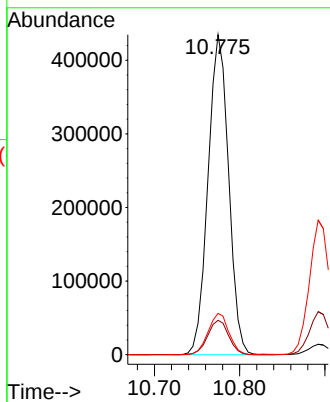
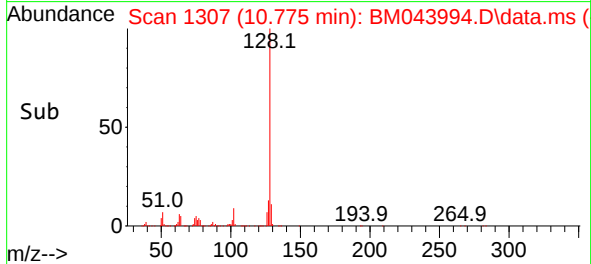
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:128 Resp: 72923
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 12.9 10.1 15.1

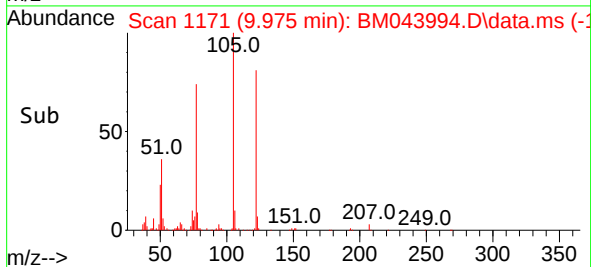
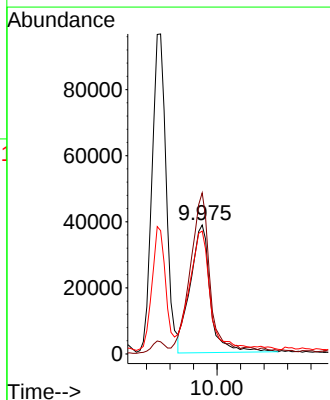
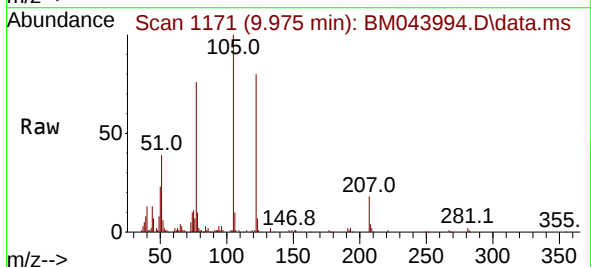
Manual Integrations
APPROVED

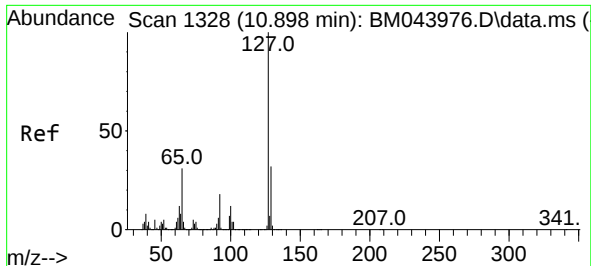
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#32
Benzoic acid
Concen: 11.442 ng
RT: 9.975 min Scan# 1171
Delta R.T. -0.047 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

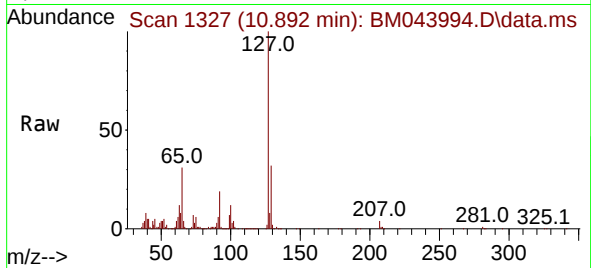
Tgt Ion:122 Resp: 91508
Ion Ratio Lower Upper
122 100
105 124.8 109.4 149.4
77 95.2 80.5 120.5





#33
4-Chloroaniline
Concen: 10.370 ng
RT: 10.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

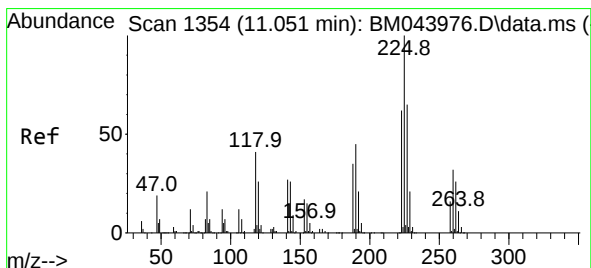
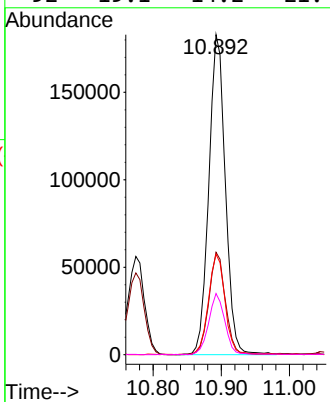
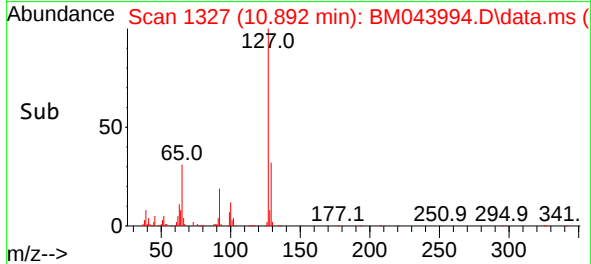


Tgt Ion:127 Resp: 309130

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.6	38.4
65	31.3	24.5	36.7
92	19.1	14.2	21.4

Manual Integrations
APPROVED

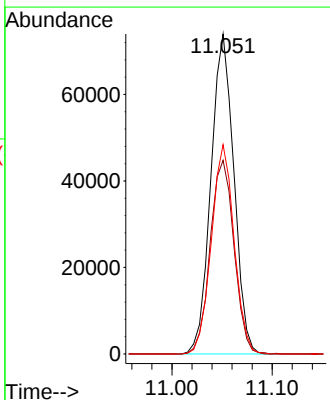
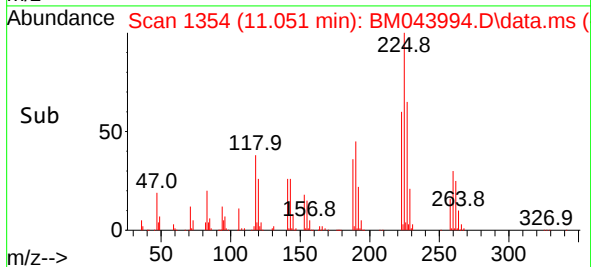
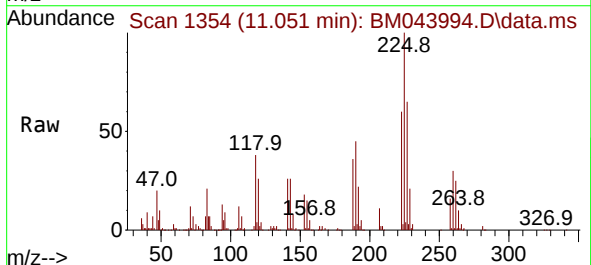
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

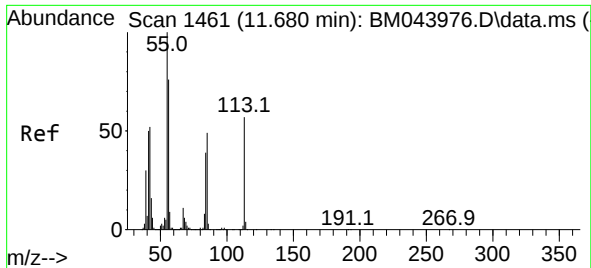


#34
Hexachlorobutadiene
Concen: 9.946 ng
RT: 11.051 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:225 Resp: 117449

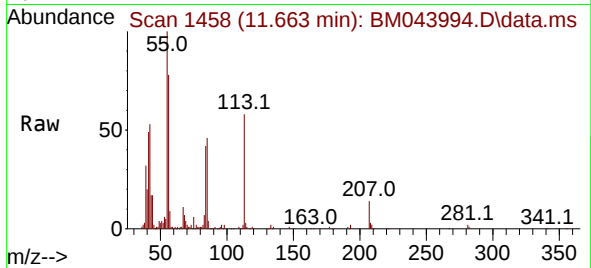
Ion	Ratio	Lower	Upper
225	100		
223	60.5	49.8	74.8
227	65.4	51.7	77.5





#35
Caprolactam
Concen: 8.010 ng
RT: 11.663 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

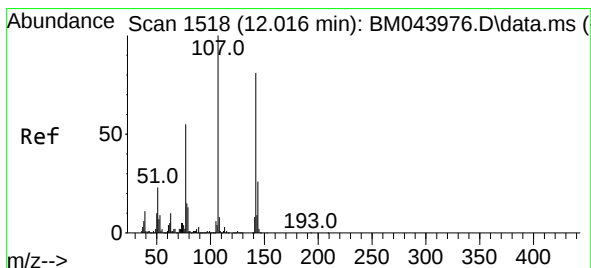
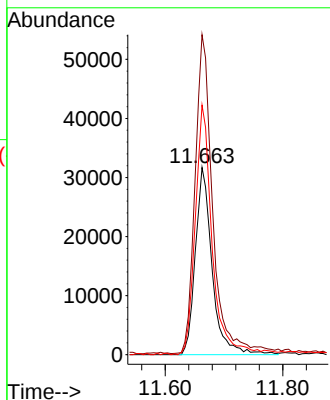
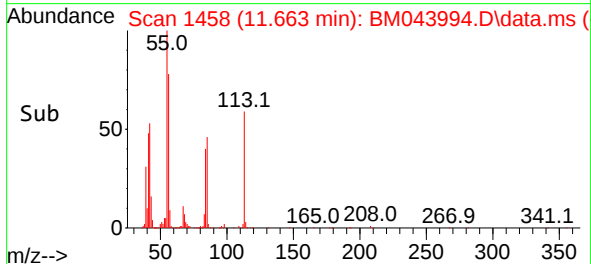
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



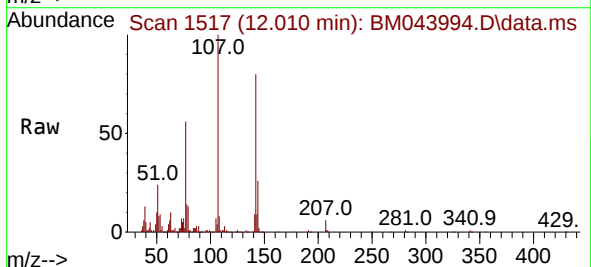
Tgt Ion:113 Resp: 62974
Ion Ratio Lower Upper
113 100
55 170.9 154.3 194.3
56 133.3 112.2 152.2

Manual Integrations
APPROVED

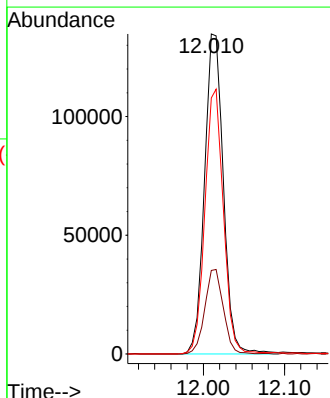
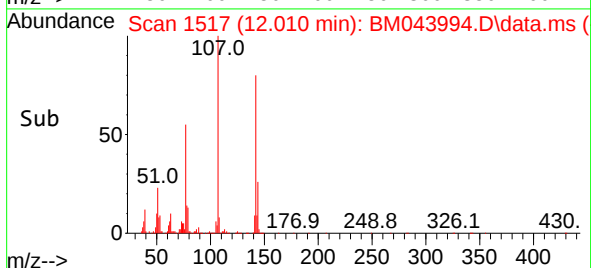
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

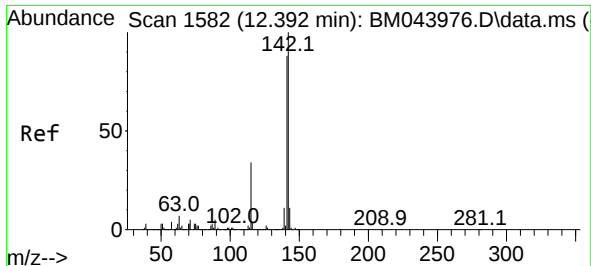


#36
4-Chloro-3-methylphenol
Concen: 9.242 ng
RT: 12.010 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



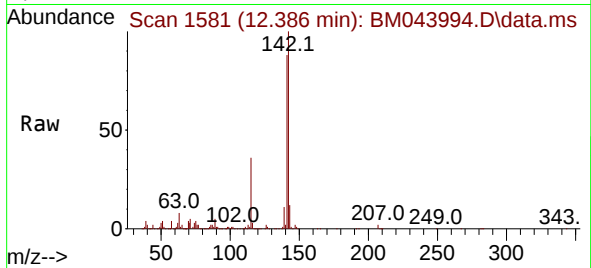
Tgt Ion:107 Resp: 216974
Ion Ratio Lower Upper
107 100
144 26.1 21.1 31.7
142 80.0 65.0 97.4





#37
2-Methylnaphthalene
Concen: 9.821 ng
RT: 12.386 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

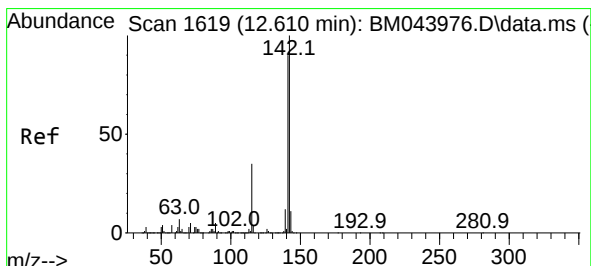
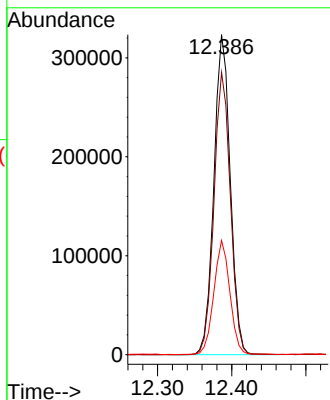
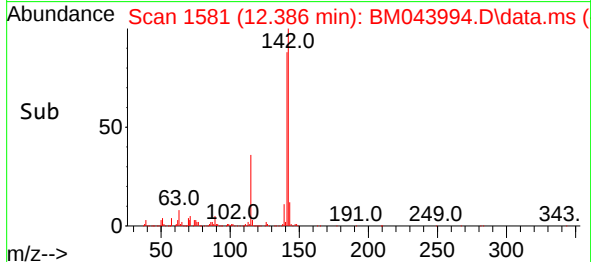
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



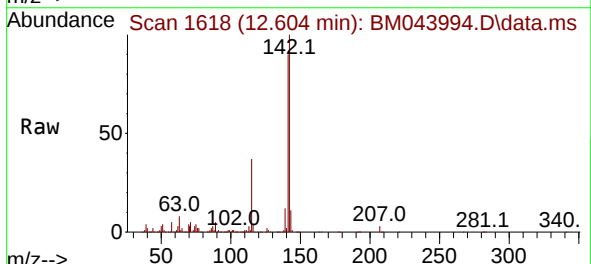
Tgt Ion:142 Resp: 496777
Ion Ratio Lower Upper
142 100
141 88.2 70.2 105.2
115 35.7 27.2 40.8

Manual Integrations
APPROVED

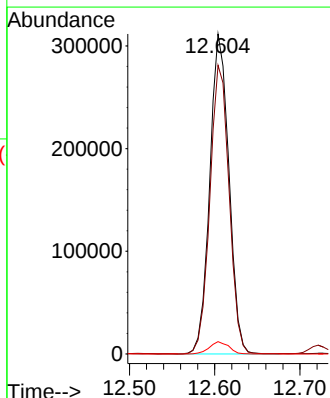
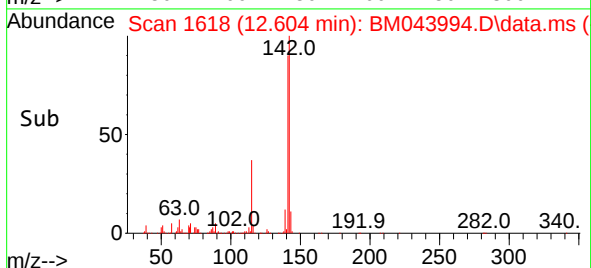
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

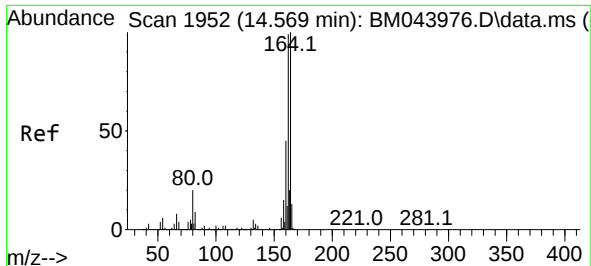


#38
1-Methylnaphthalene
Concen: 9.631 ng
RT: 12.604 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



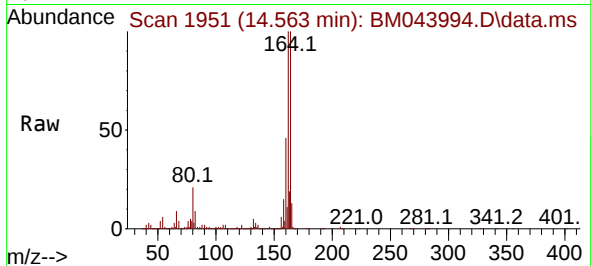
Tgt Ion:142 Resp: 486297
Ion Ratio Lower Upper
142 100
141 90.2 72.1 108.1
116 3.9 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

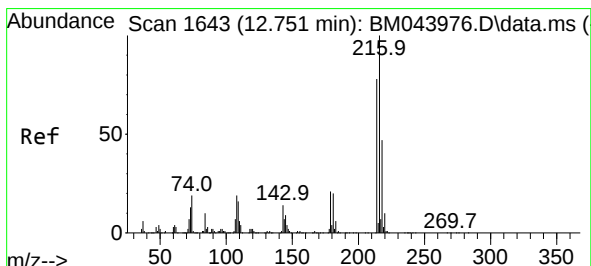
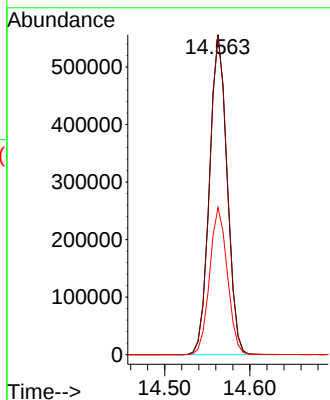
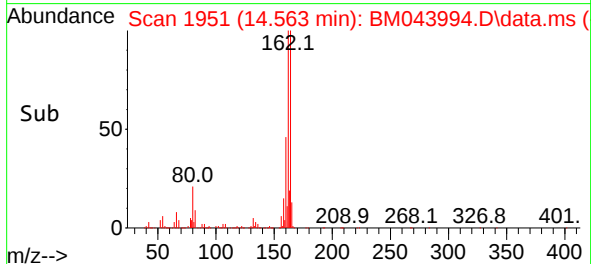
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:164 Resp: 79604
Ion Ratio Lower Upper
164 100
162 99.6 79.0 118.4
160 46.0 35.8 53.8

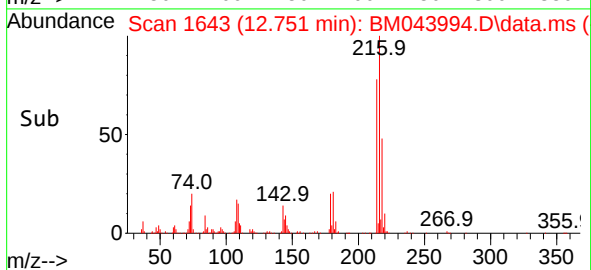
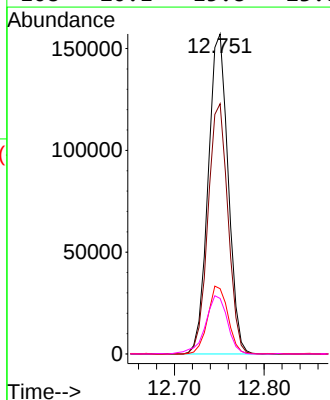
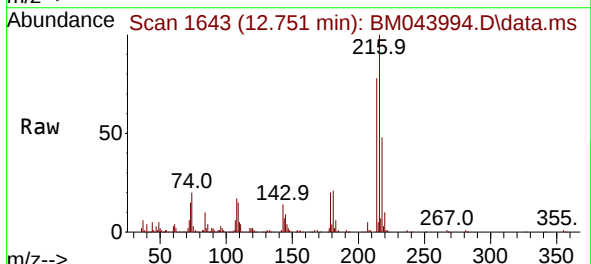
Manual Integrations
APPROVED

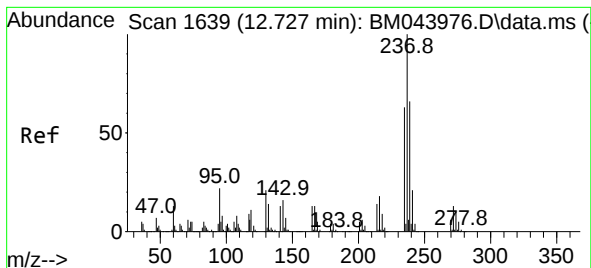
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.753 ng
RT: 12.751 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:216 Resp: 242765
Ion Ratio Lower Upper
216 100
214 78.1 62.6 94.0
179 21.5 16.7 25.1
108 20.1 15.8 23.8





#41

Hexachlorocyclopentadiene

Concen: 11.759 ng

RT: 12.721 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

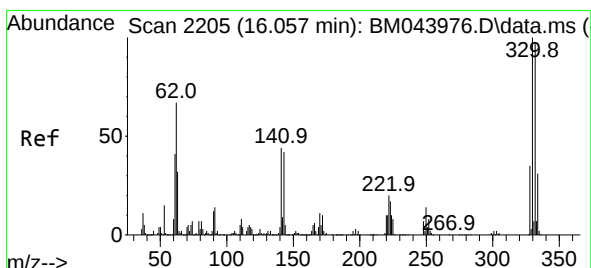
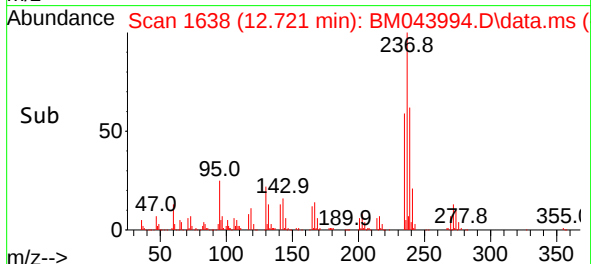
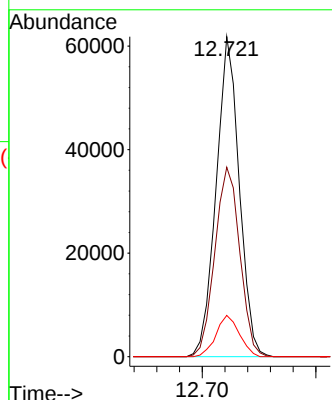
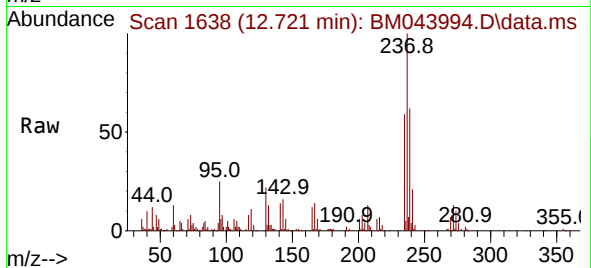
LOQ-SOIL-02-QT1-2024

Tgt Ion:	237	Resp:	8731
Ion Ratio	Lower	Upper	
237	100		
235	59.2	43.5	83.5
272	12.9	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: 127.755 ng

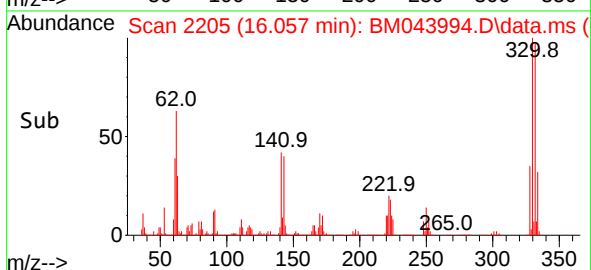
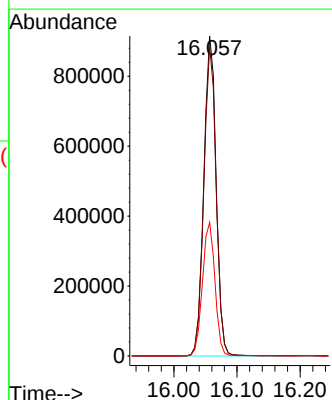
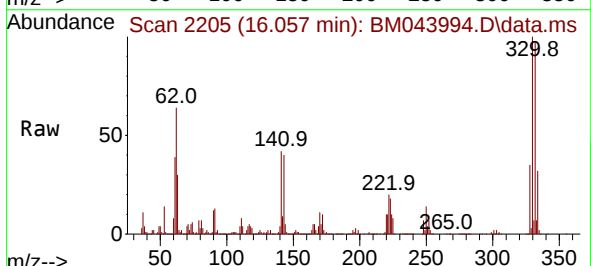
RT: 16.057 min Scan# 2205

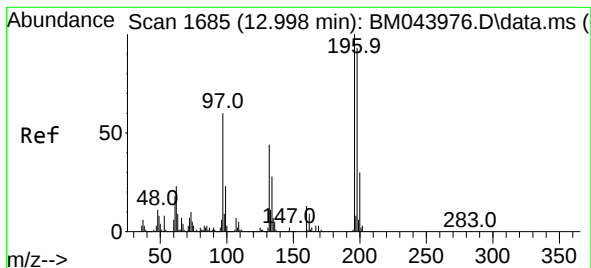
Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

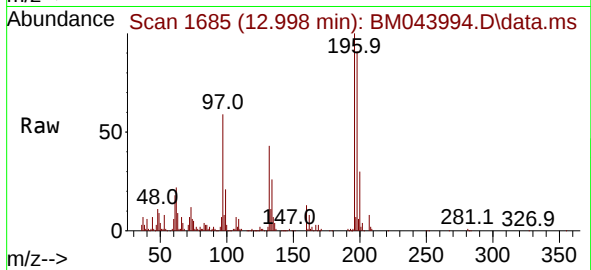
Tgt Ion:	330	Resp:	1239689
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.6	116.4
141	42.2	33.5	50.3





#43
2,4,6-Trichlorophenol
Concen: 9.446 ng
RT: 12.998 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

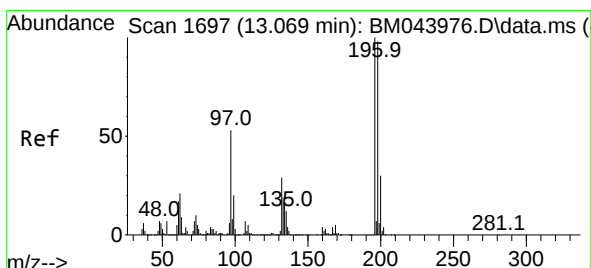
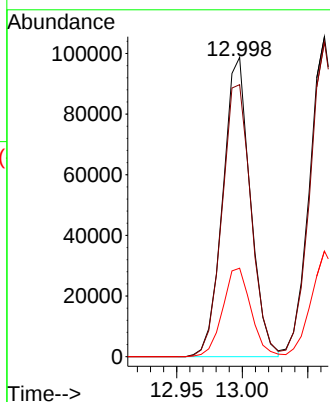
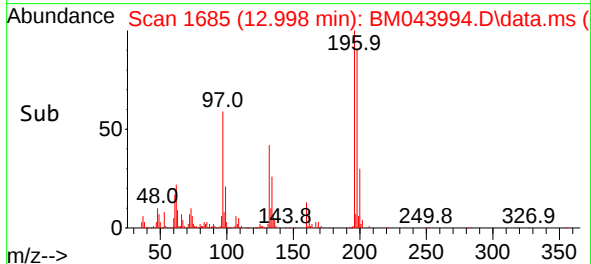
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2024



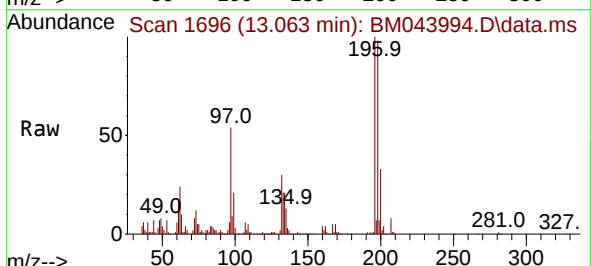
Tgt Ion:196 Resp: 144118
Ion Ratio Lower Upper
196 100
198 90.9 74.2 111.2
200 29.5 23.8 35.8

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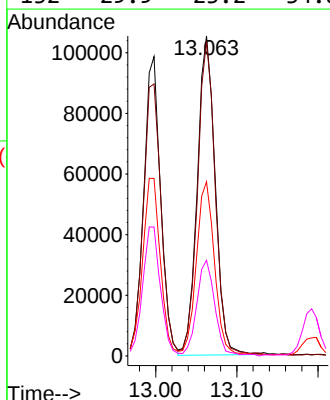
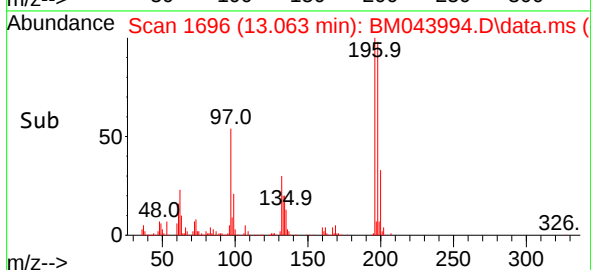
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

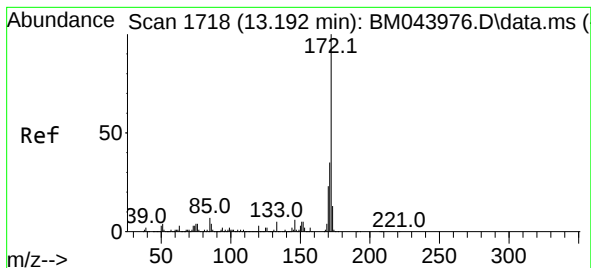


#44
2,4,5-Trichlorophenol
Concen: 9.306 ng
RT: 13.063 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



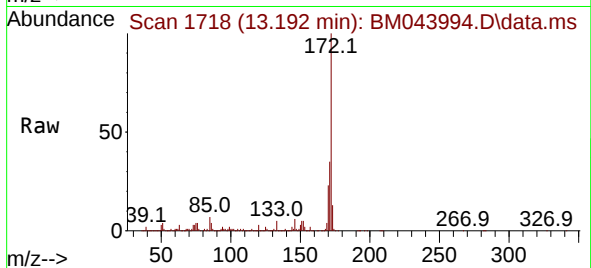
Tgt Ion:196 Resp: 162002
Ion Ratio Lower Upper
196 100
198 98.3 78.1 117.1
97 54.4 42.2 63.2
132 29.9 23.2 34.8





#45
2-Fluorobiphenyl
Concen: 86.546 ng
RT: 13.192 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

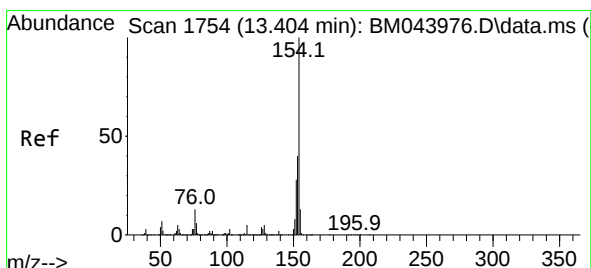
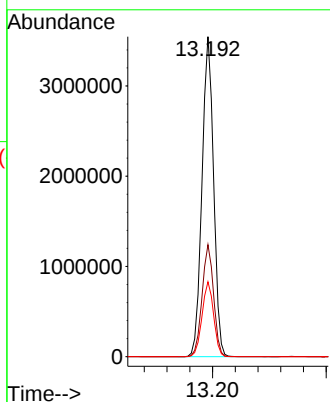
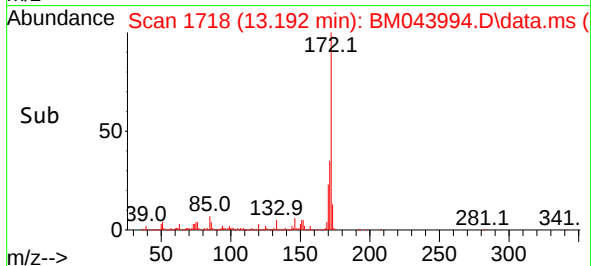
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:172 Resp: 5013874
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.4 18.6 28.0

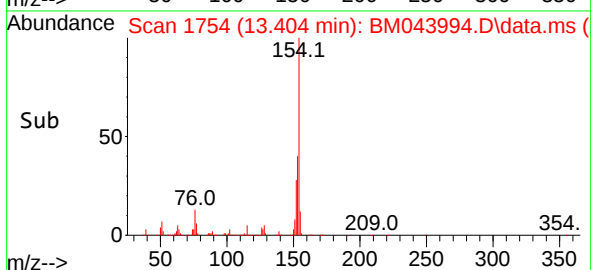
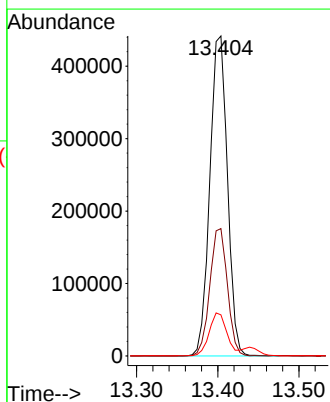
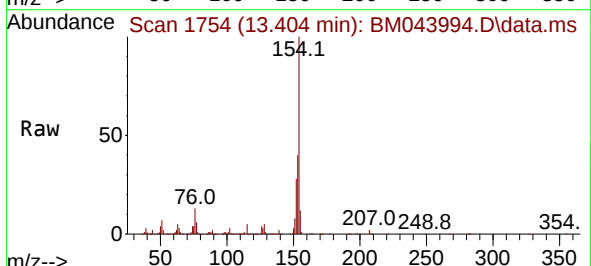
Manual Integrations
APPROVED

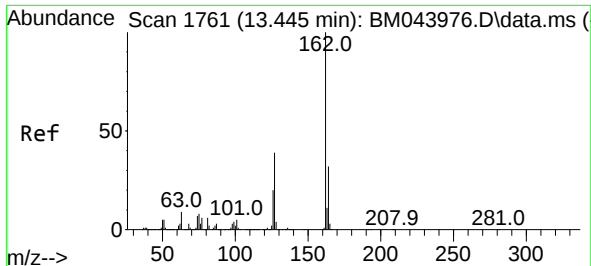
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#46
1,1'-Biphenyl
Concen: 10.613 ng
RT: 13.404 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

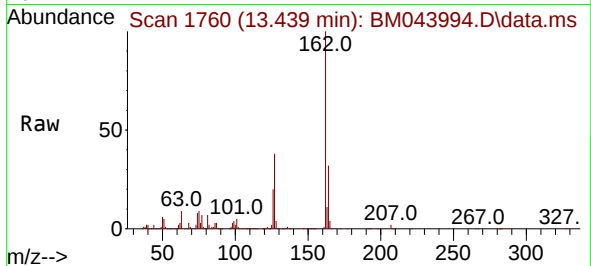
Tgt Ion:154 Resp: 664345
Ion Ratio Lower Upper
154 100
153 39.8 19.8 59.8
76 12.9 0.0 33.0





#47
2-Chloronaphthalene
Concen: 10.240 ng
RT: 13.439 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

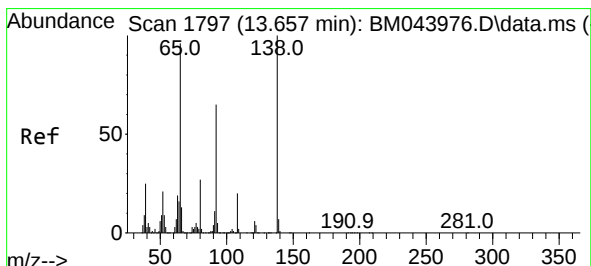
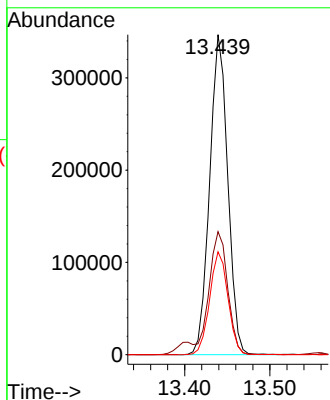
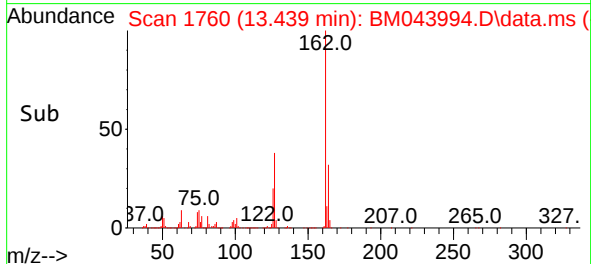
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:162 Resp: 511209
Ion Ratio Lower Upper
162 100
127 38.5 31.0 46.6
164 32.1 25.8 38.6

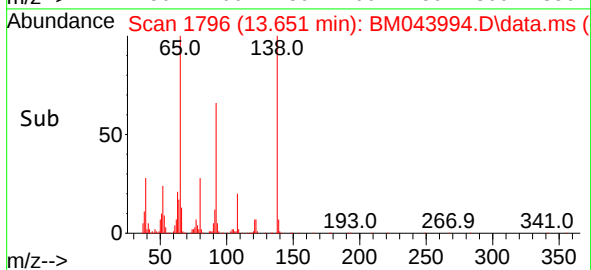
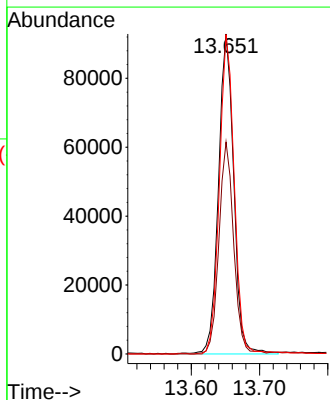
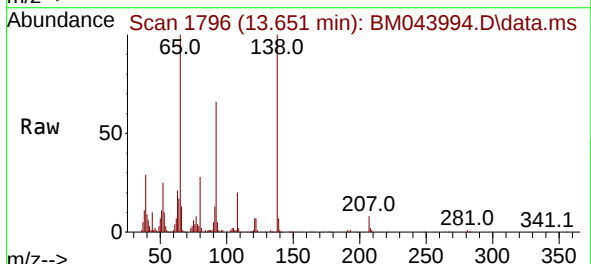
Manual Integrations
APPROVED

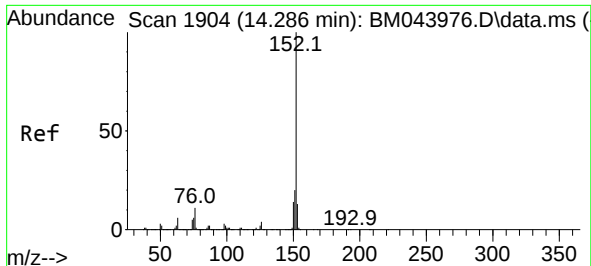
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#48
2-Nitroaniline
Concen: 8.907 ng
RT: 13.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

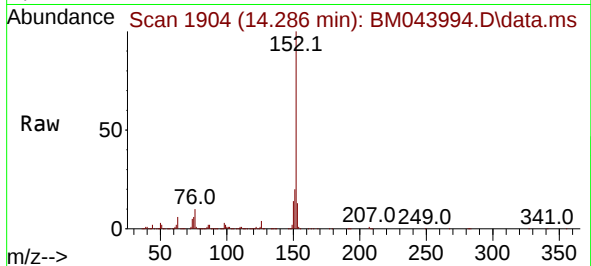
Tgt Ion: 65 Resp: 144627
Ion Ratio Lower Upper
65 100
92 66.2 53.6 80.4
138 99.9 83.0 124.6





#49
Acenaphthylene
Concen: 10.742 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

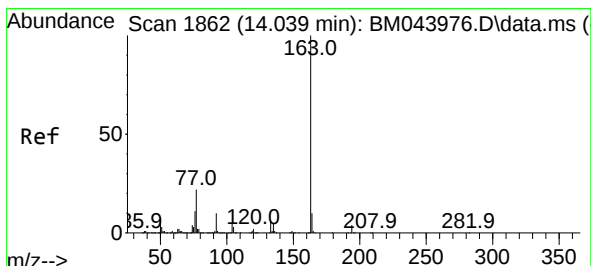
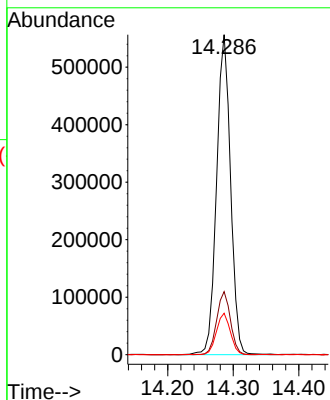
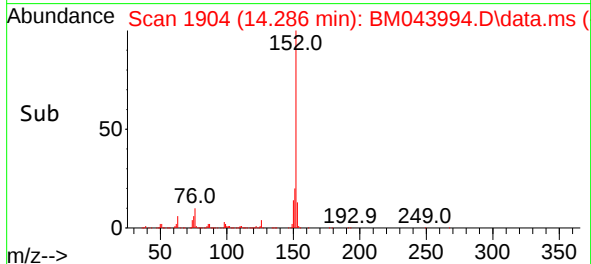
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:152 Resp: 819772
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.0 10.4 15.6

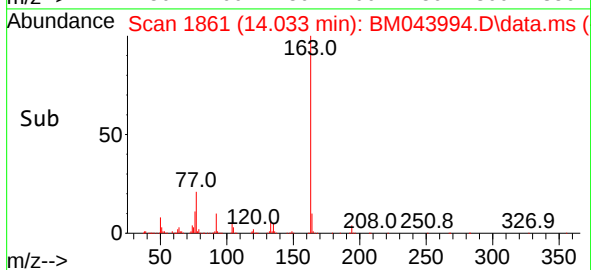
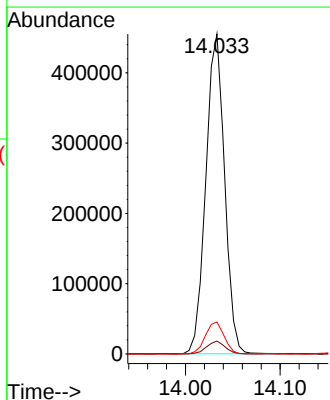
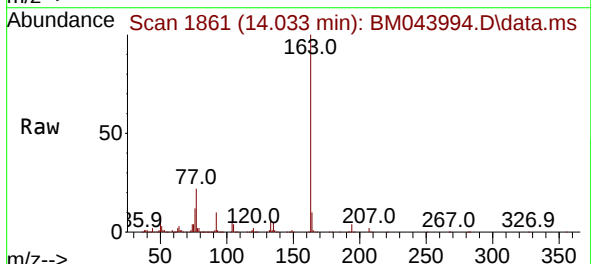
Manual Integrations
APPROVED

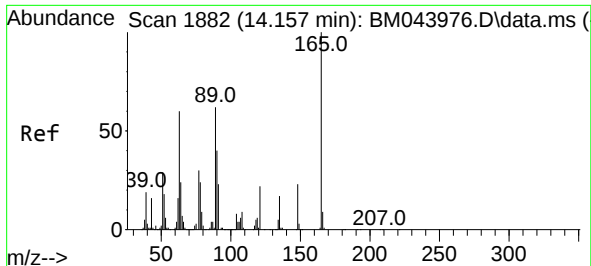
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#50
Dimethylphthalate
Concen: 10.146 ng
RT: 14.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

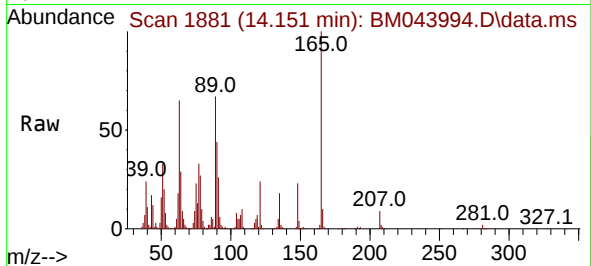
Tgt Ion:163 Resp: 627329
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.0 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 8.938 ng
RT: 14.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

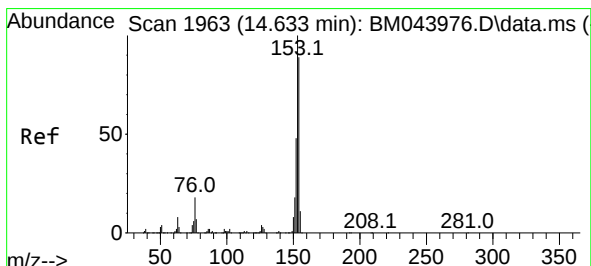
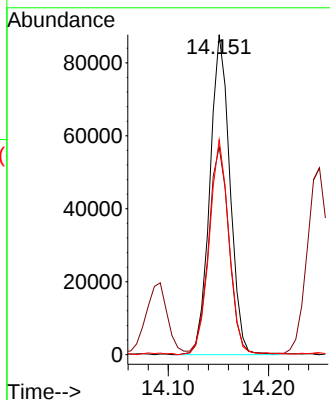
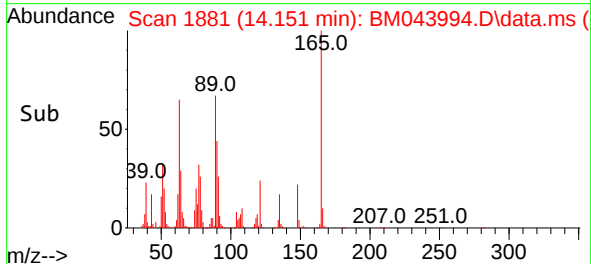
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:165 Resp: 121477
Ion Ratio Lower Upper
165 100
63 64.9 51.1 76.7
89 67.2 49.5 74.3

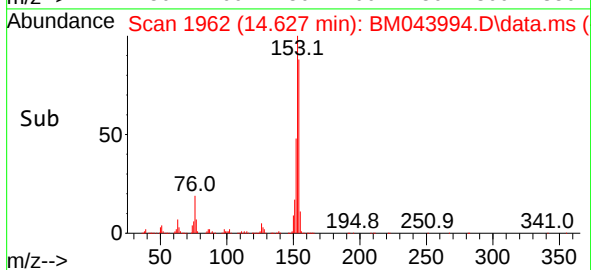
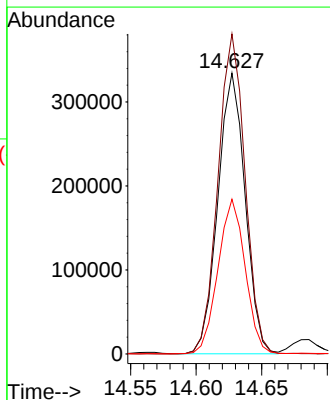
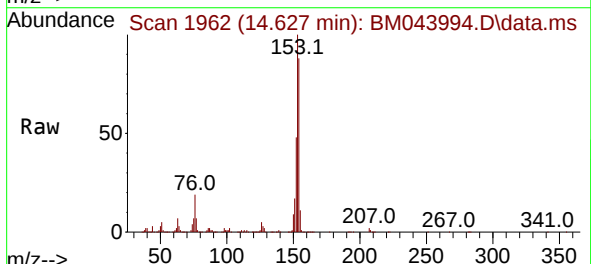
Manual Integrations
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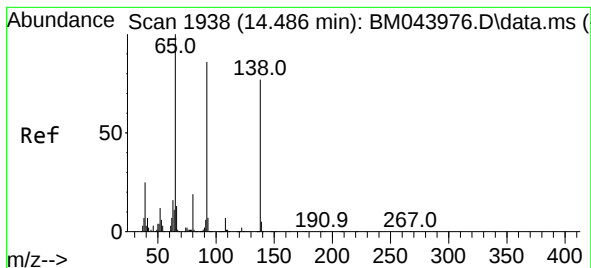
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#52
Acenaphthene
Concen: 9.999 ng
RT: 14.627 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

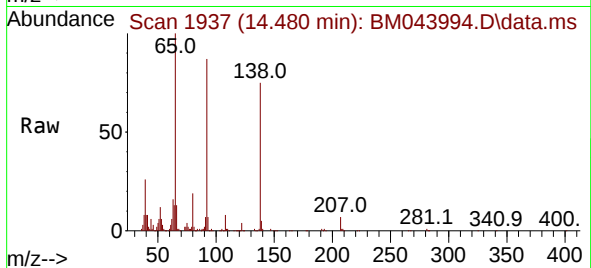
Tgt Ion:154 Resp: 483724
Ion Ratio Lower Upper
154 100
153 114.0 90.1 135.1
152 55.1 43.6 65.4





#53
3-Nitroaniline
Concen: 8.936 ng
RT: 14.480 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

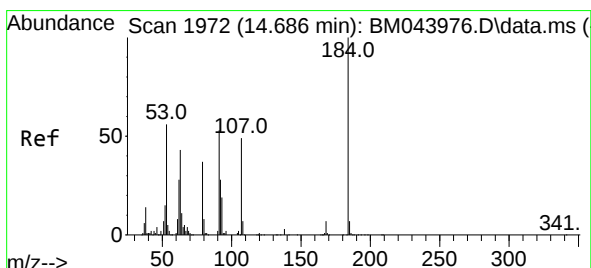
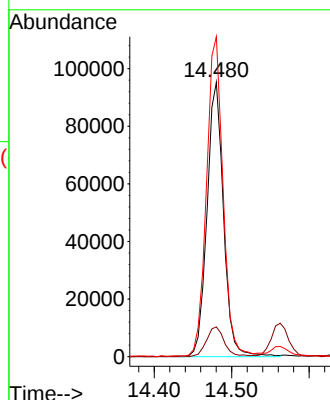
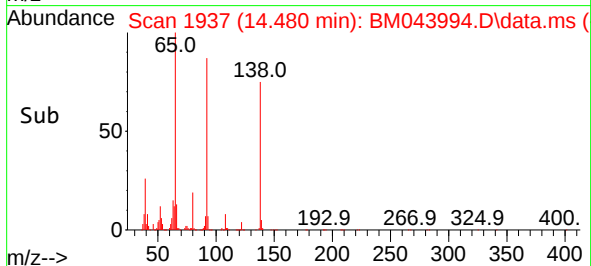
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2024



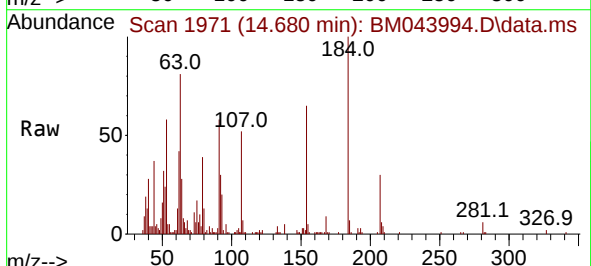
Tgt Ion:138 Resp: 140999
Ion Ratio Lower Upper
138 100
108 10.8 7.8 11.6
92 116.6 89.7 134.5

Manual Integrations
APPROVED

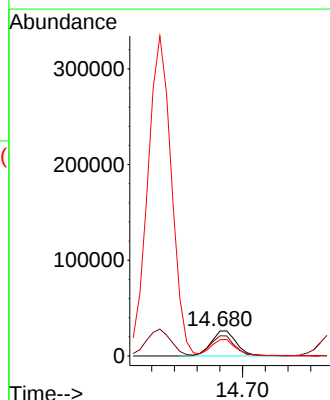
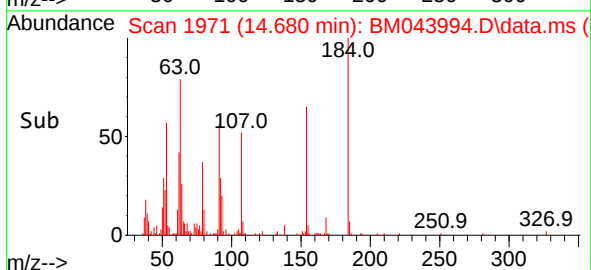
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

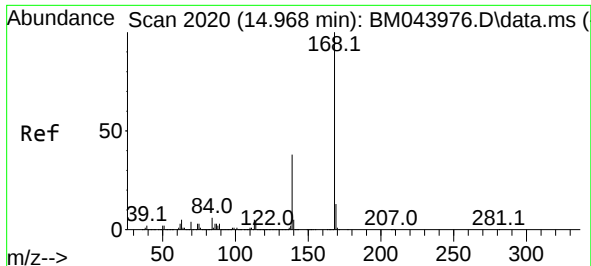


#54
2,4-Dinitrophenol
Concen: 11.752 ng
RT: 14.680 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



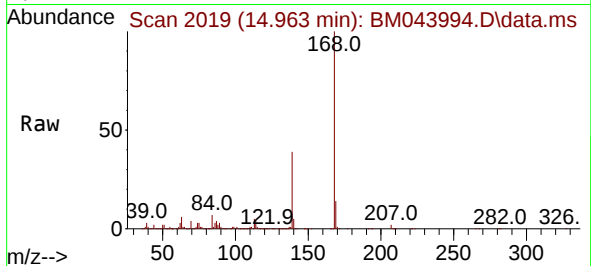
Tgt Ion:184 Resp: 40229
Ion Ratio Lower Upper
184 100
63 80.7 62.8 94.2
154 65.1 51.4 77.2





#55
Dibenzenofuran
Concen: 10.428 ng
RT: 14.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

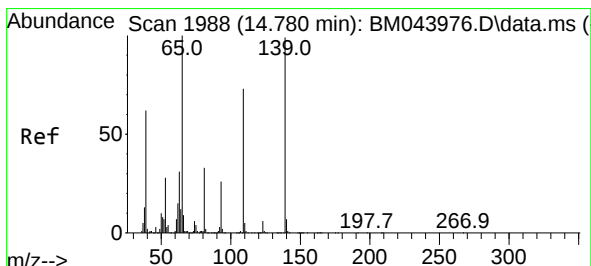
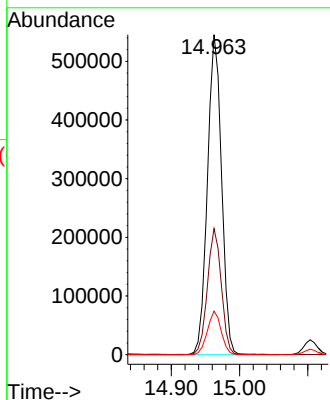
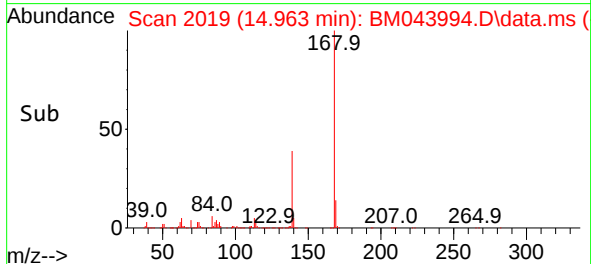
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:168 Resp: 785052
Ion Ratio Lower Upper
168 100
139 39.4 30.7 46.1
169 13.6 10.5 15.7

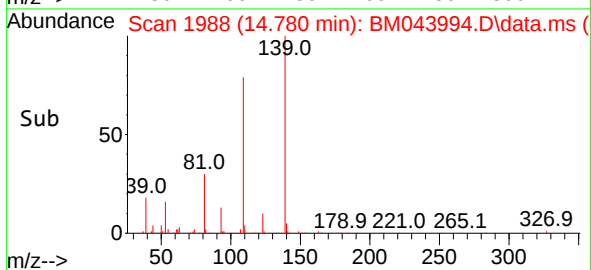
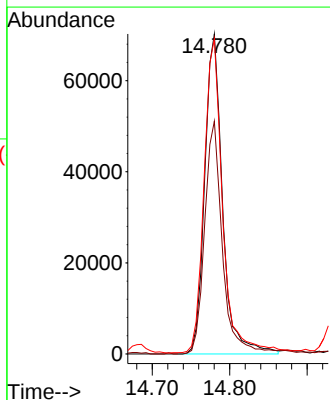
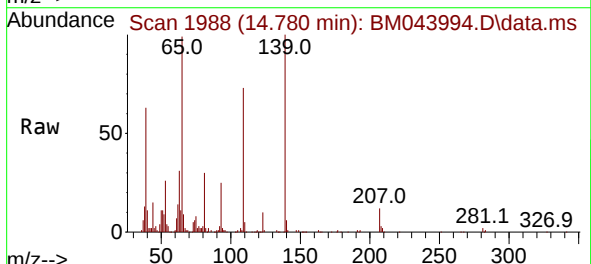
Manual Integrations
APPROVED

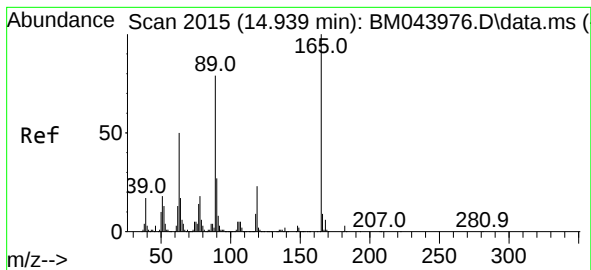
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#56
4-Nitrophenol
Concen: 8.149 ng
RT: 14.780 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

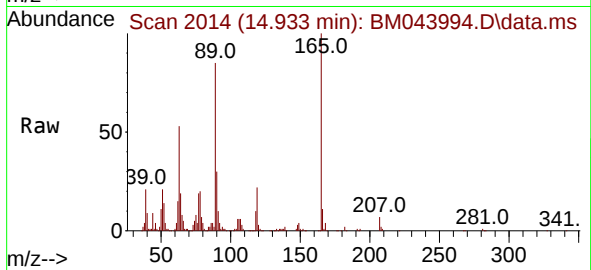
Tgt Ion:139 Resp: 112371
Ion Ratio Lower Upper
139 100
109 72.8 53.2 93.2
65 98.6 80.7 120.7





#57
2,4-Dinitrotoluene
Concen: 8.072 ng
RT: 14.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

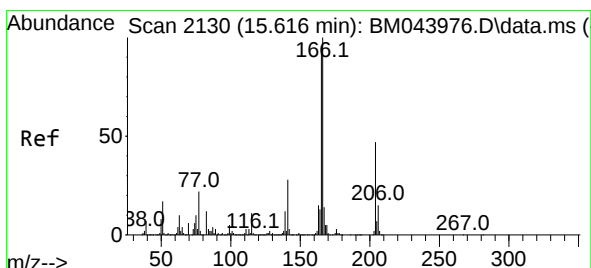
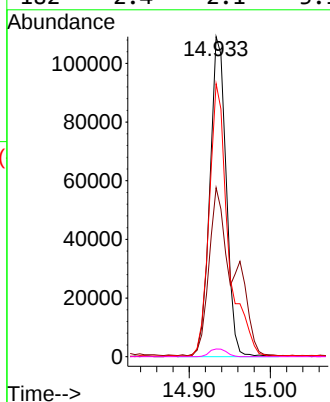
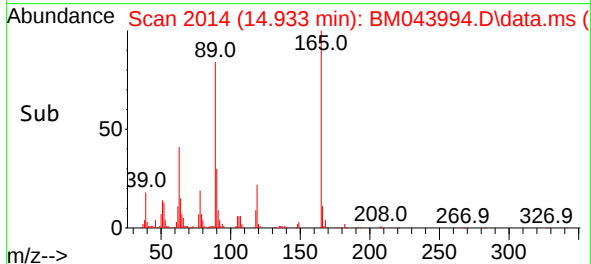
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:165 Resp: 152714
Ion Ratio Lower Upper
165 100
63 52.8 40.2 60.4
89 85.3 63.3 94.9
182 2.4 2.1 3.1

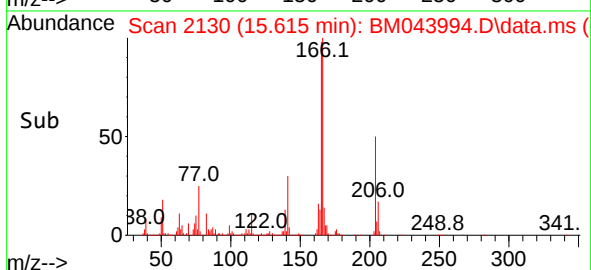
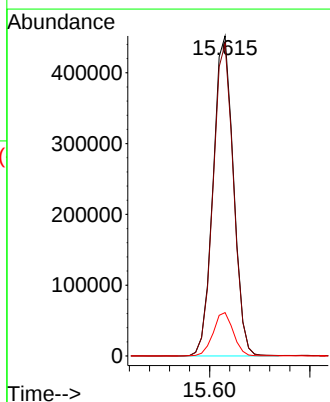
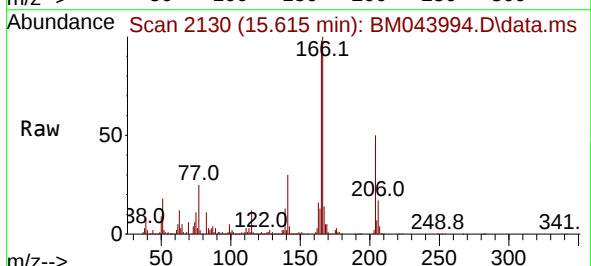
Manual Integrations
APPROVED

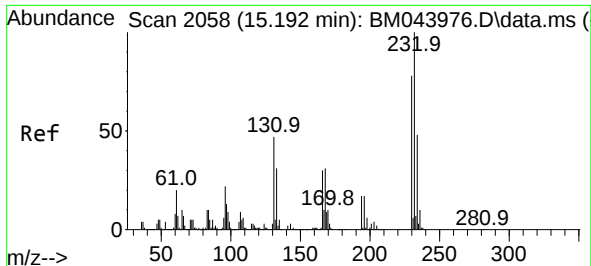
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#58
Fluorene
Concen: 10.002 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

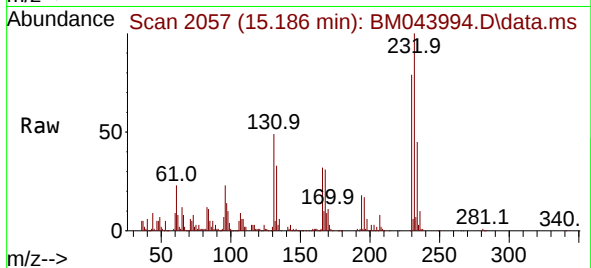
Tgt Ion:166 Resp: 635915
Ion Ratio Lower Upper
166 100
165 97.6 76.3 114.5
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.542 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

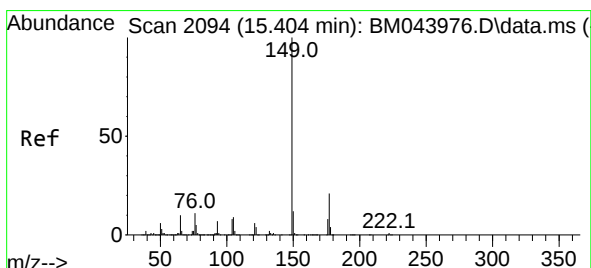
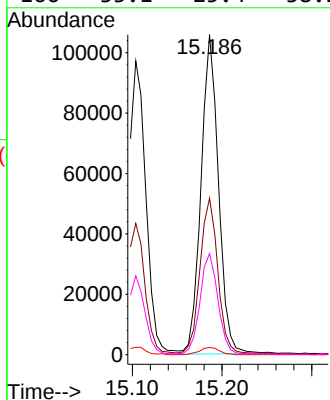
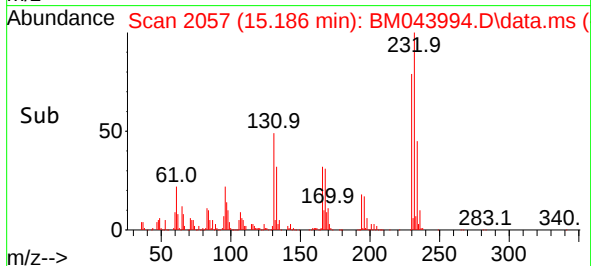
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:232 Resp: 143198
Ion Ratio Lower Upper
232 100
131 51.6 39.8 59.6
130 2.6 2.0 3.0
166 33.1 25.4 38.2

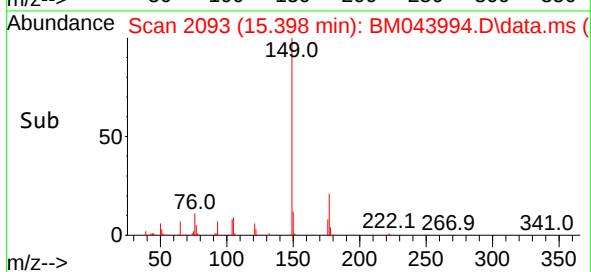
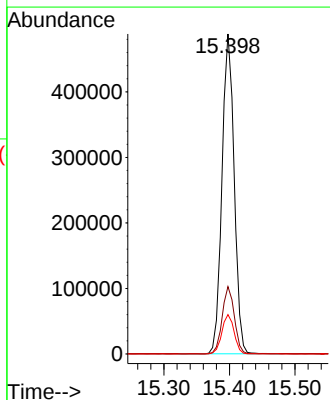
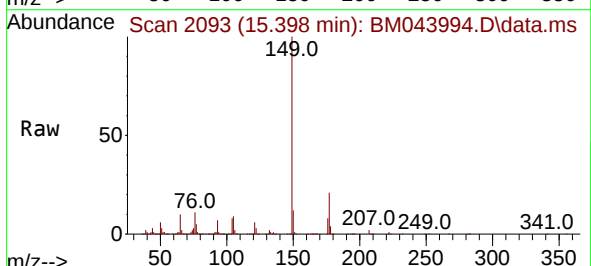
Manual Integrations
APPROVED

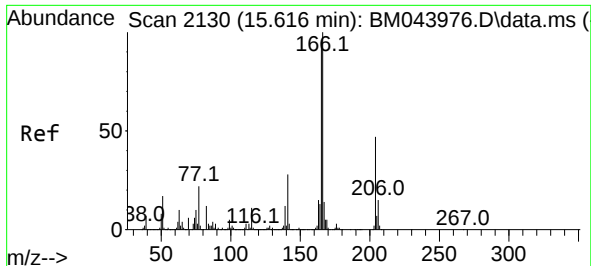
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#60
Diethylphthalate
Concen: 9.784 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

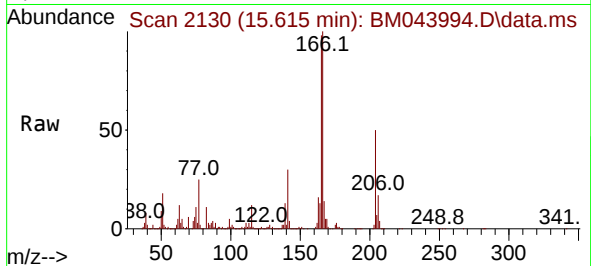
Tgt Ion:149 Resp: 626282
Ion Ratio Lower Upper
149 100
177 21.1 17.1 25.7
150 12.3 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 10.114 ng
RT: 15.615 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

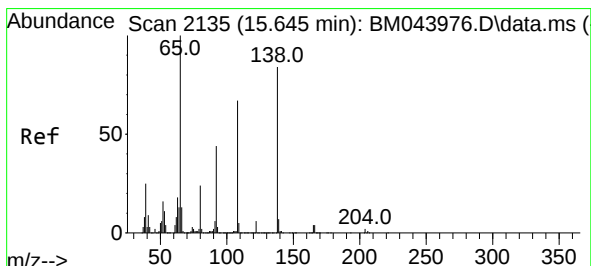
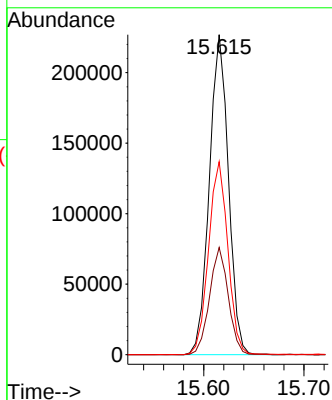
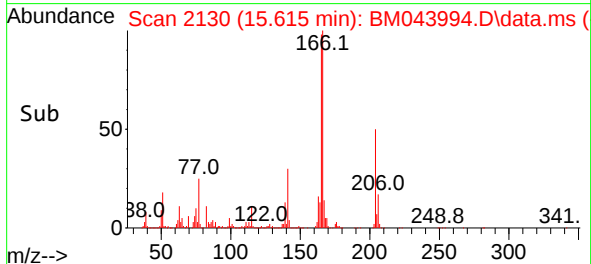
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:204 Resp: 299990
Ion Ratio Lower Upper
204 100
206 33.5 26.2 39.2
141 60.3 48.6 72.8

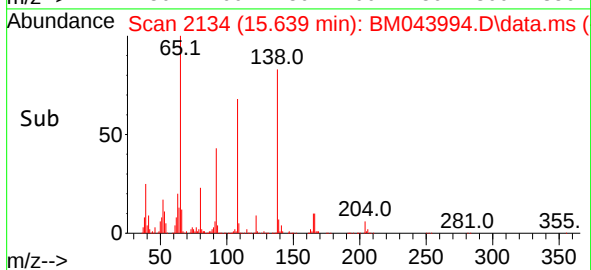
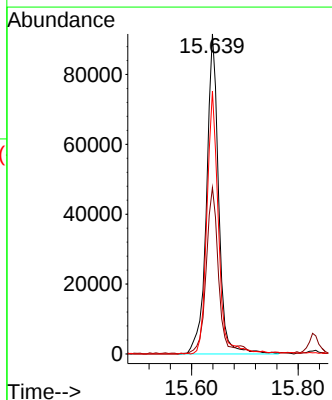
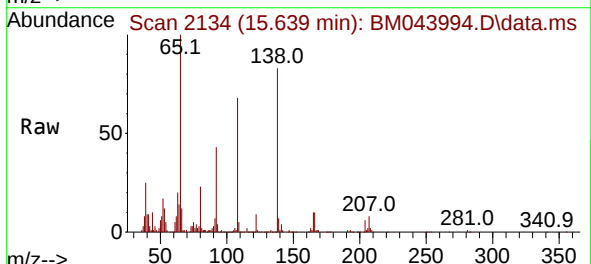
Manual Integrations
APPROVED

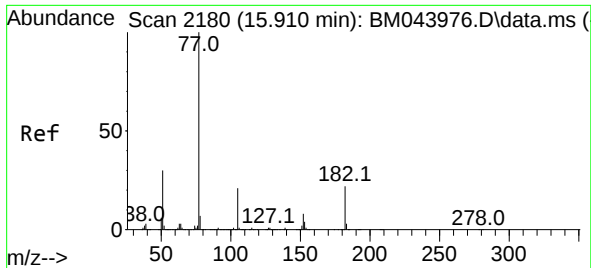
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#62
4-Nitroaniline
Concen: 8.393 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

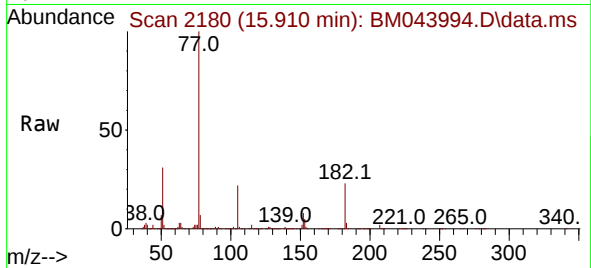
Tgt Ion:138 Resp: 144802
Ion Ratio Lower Upper
138 100
92 52.0 32.7 72.7
108 82.1 60.0 100.0





#63
Azobenzene
Concen: 9.966 ng
RT: 15.910 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

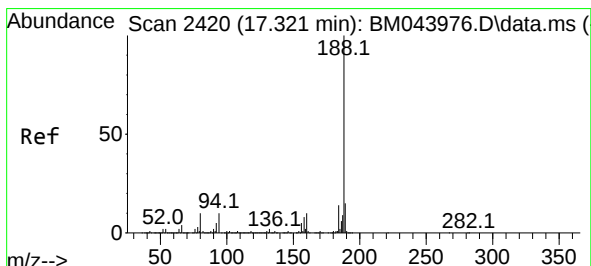
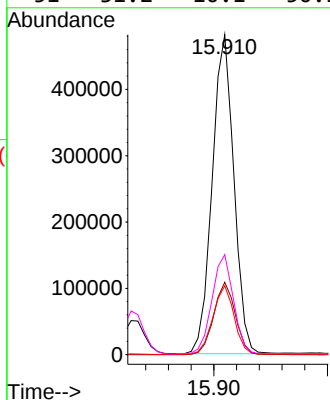
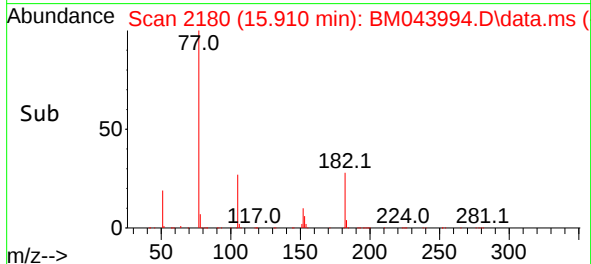
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion: 77 Resp: 637169
Ion Ratio Lower Upper
77 100
182 22.6 2.0 42.0
105 21.6 0.5 40.5
51 31.2 10.1 50.1

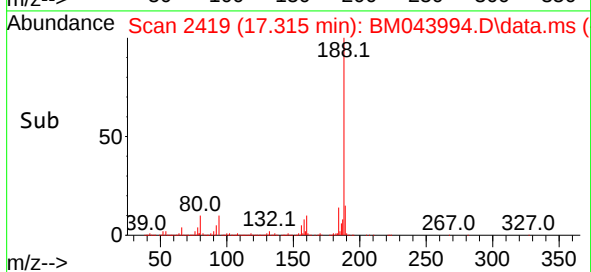
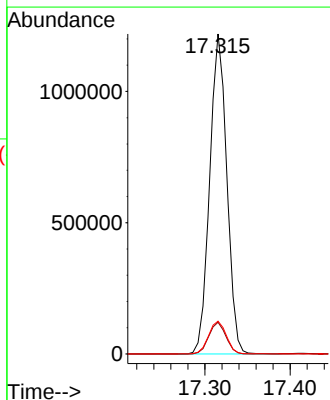
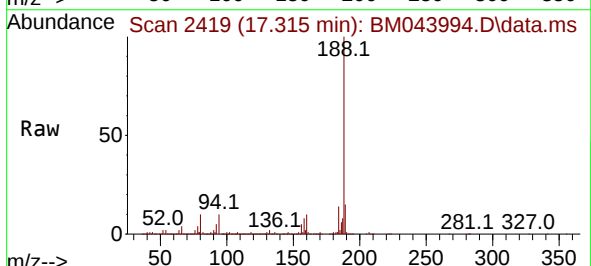
Manual Integrations
APPROVED

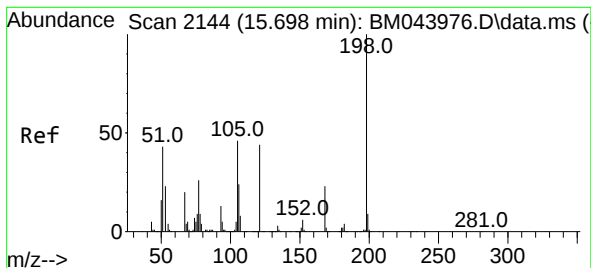
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

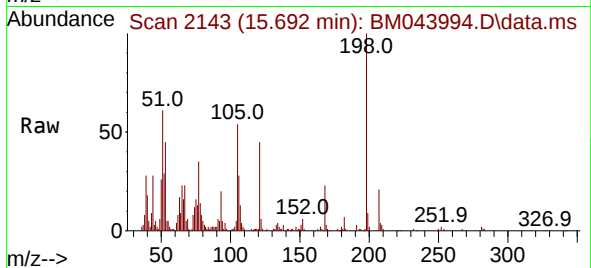
Tgt Ion:188 Resp: 1703625
Ion Ratio Lower Upper
188 100
94 9.9 7.7 11.5
80 10.3 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 11.287 ng
RT: 15.692 min Scan# 2143
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

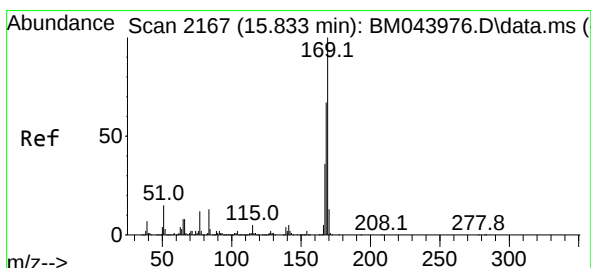
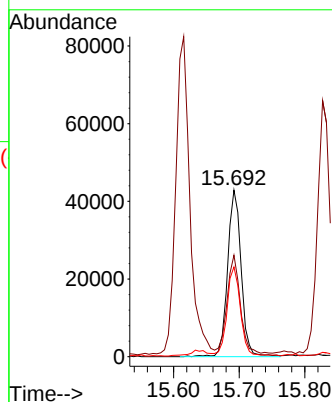
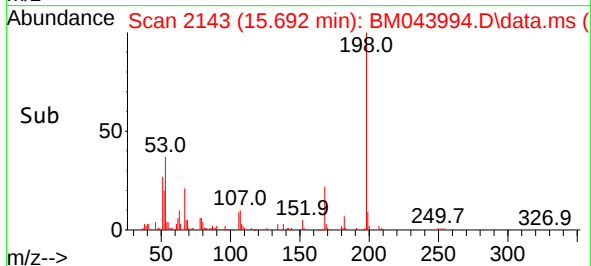
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:198 Resp: 61510
Ion Ratio Lower Upper
198 100
51 60.9 31.9 71.9
105 53.8 28.1 68.1

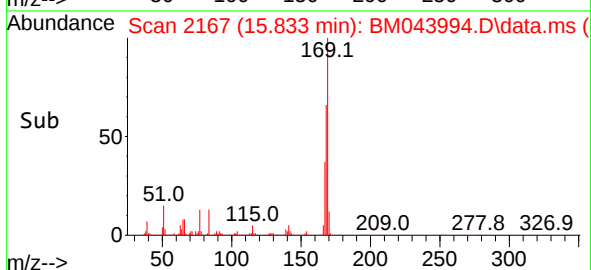
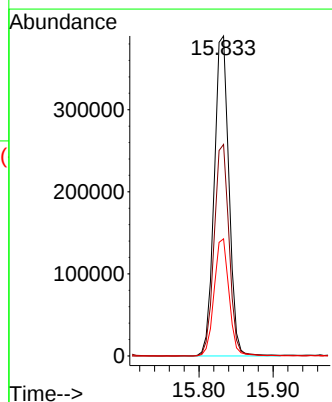
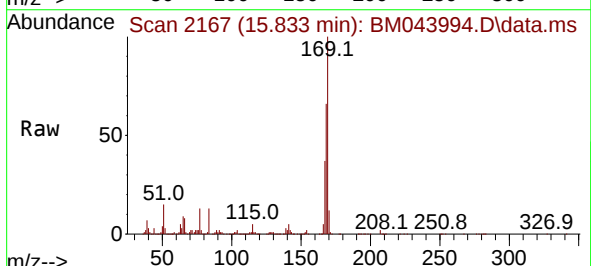
Manual Integrations
APPROVED

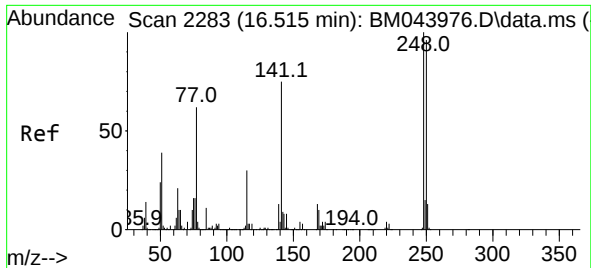
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#66
n-Nitrosodiphenylamine
Concen: 10.605 ng
RT: 15.833 min Scan# 2167
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

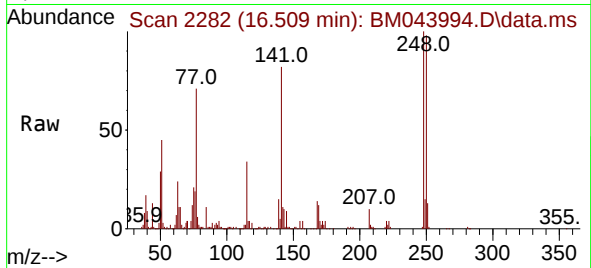
Tgt Ion:169 Resp: 538157
Ion Ratio Lower Upper
169 100
168 66.1 53.4 80.2
167 36.6 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 6.988 ng
RT: 16.509 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

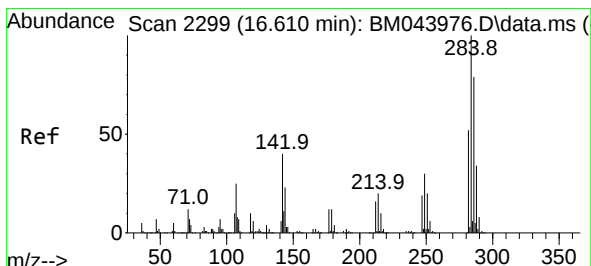
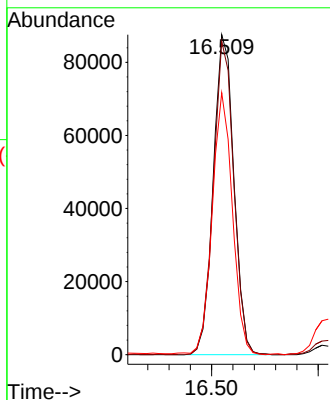
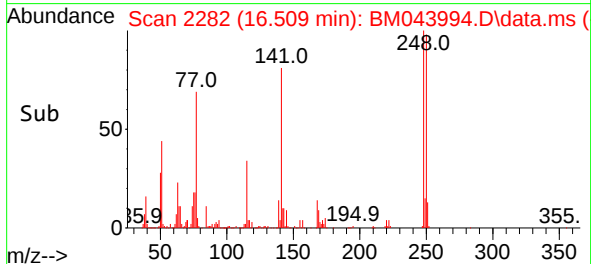
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:248 Resp: 11727
Ion Ratio Lower Upper
248 100
250 98.0 77.0 115.4
141 81.8 59.9 89.9

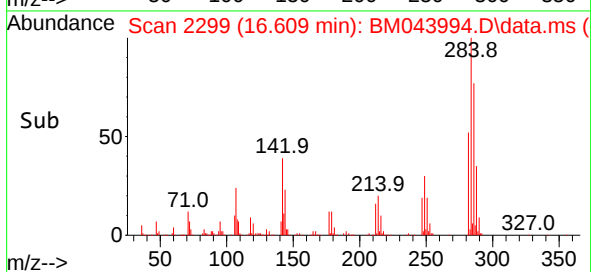
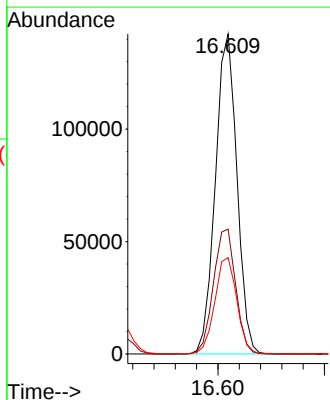
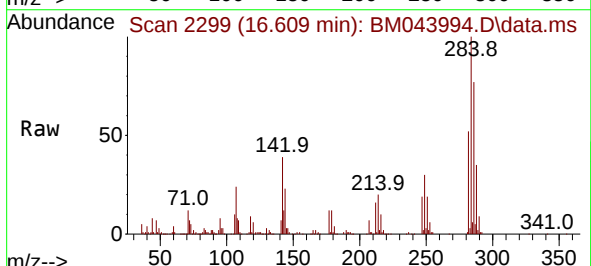
Manual Integrations
APPROVED

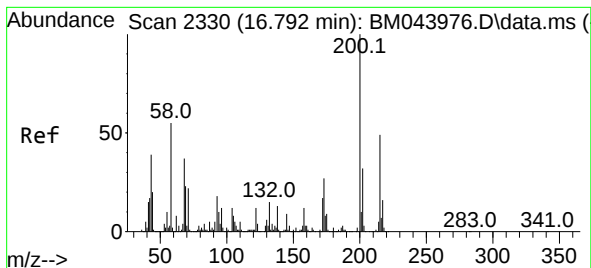
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#68
Hexachlorobenzene
Concen: 9.968 ng
RT: 16.609 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:284 Resp: 199463
Ion Ratio Lower Upper
284 100
142 39.0 32.2 48.4
249 30.1 24.4 36.6





#69

Atrazine

Concen: 12.221 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:200 Resp: 171579

Ion Ratio Lower Upper

200 100

173 28.1 7.3 47.3

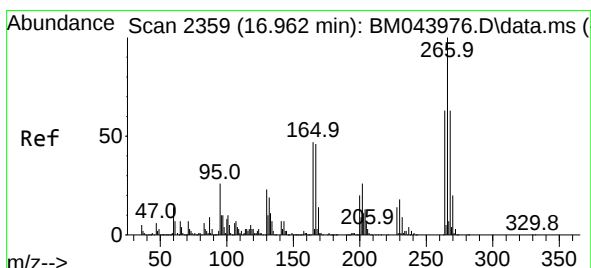
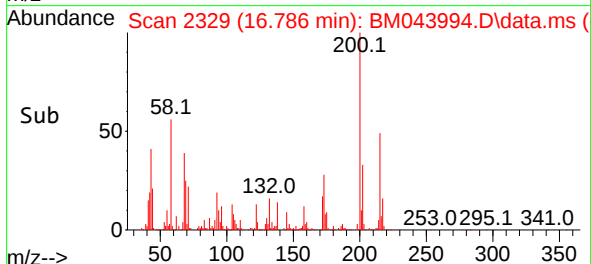
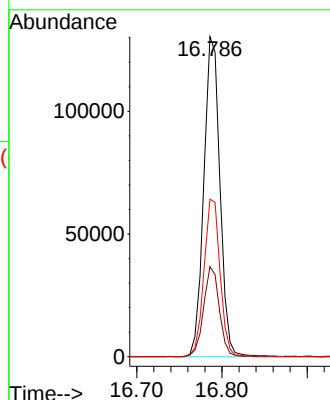
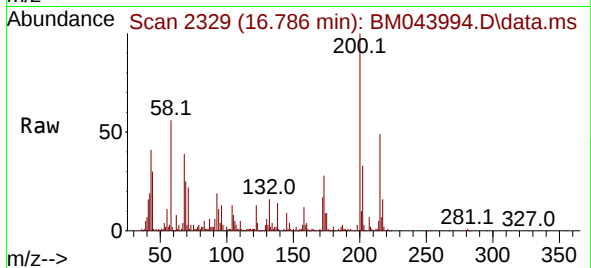
215 49.2 28.7 68.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#70

Pentachlorophenol

Concen: 7.655 ng

RT: 16.956 min Scan# 2358

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

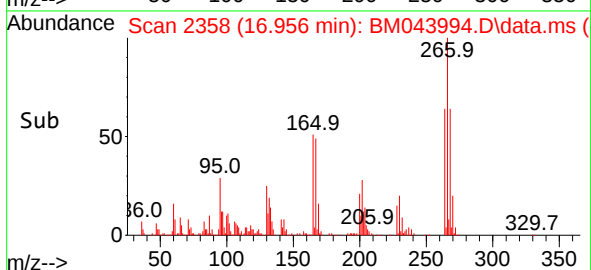
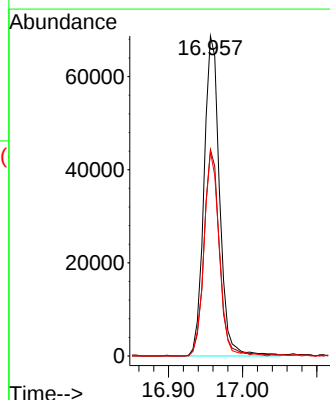
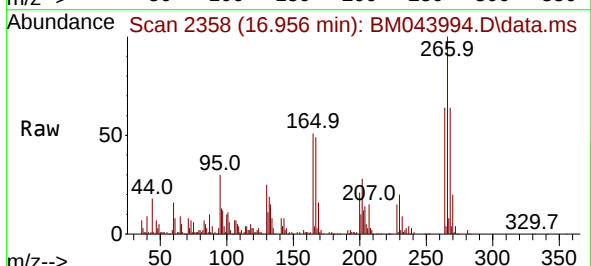
Tgt Ion:266 Resp: 100582

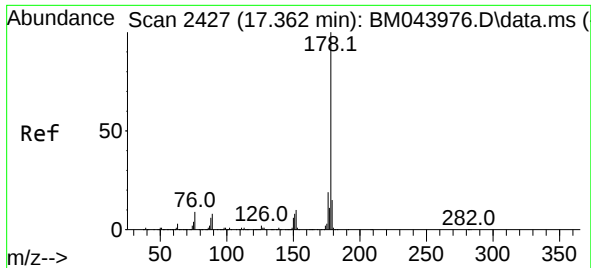
Ion Ratio Lower Upper

266 100

268 64.5 50.6 76.0

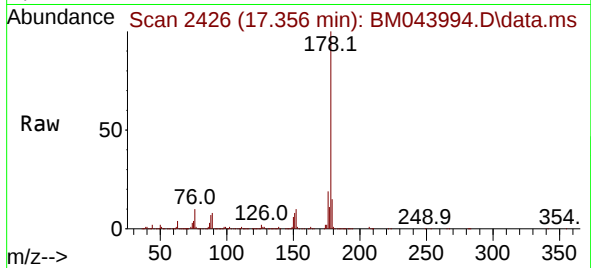
264 63.8 50.6 76.0





#71
Phenanthrene
Concen: 10.605 ng
RT: 17.356 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

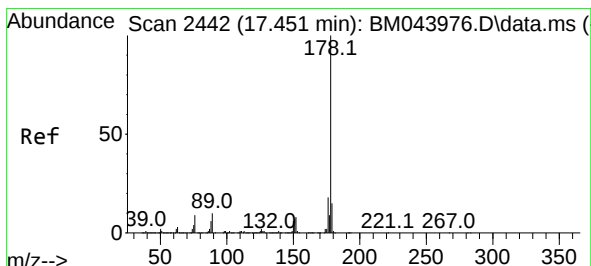
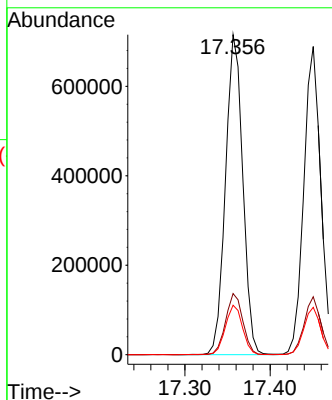
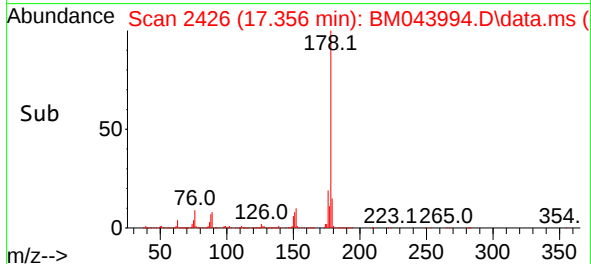
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:178 Resp: 100628
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.4 18.6

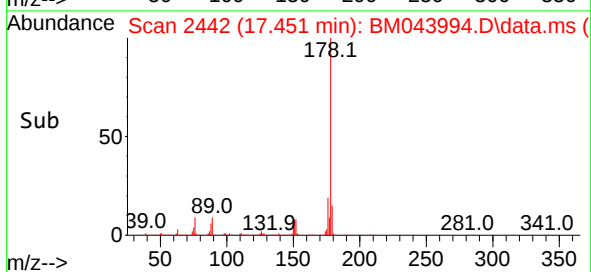
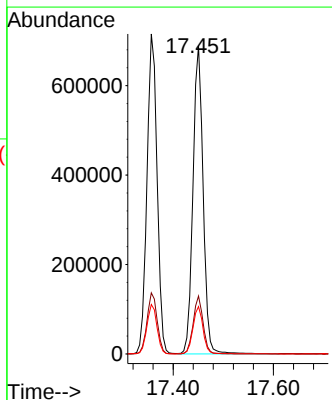
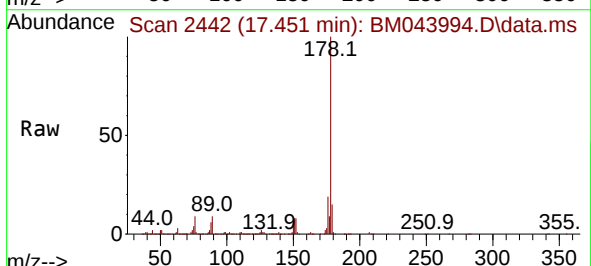
Manual Integrations
APPROVED

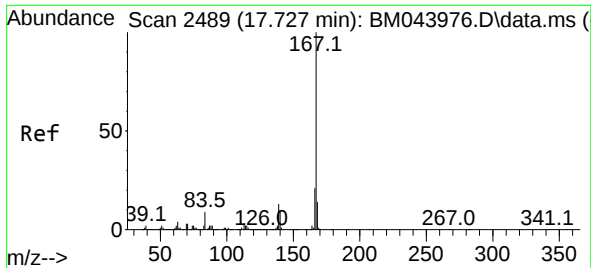
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#72
Anthracene
Concen: 10.416 ng
RT: 17.451 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

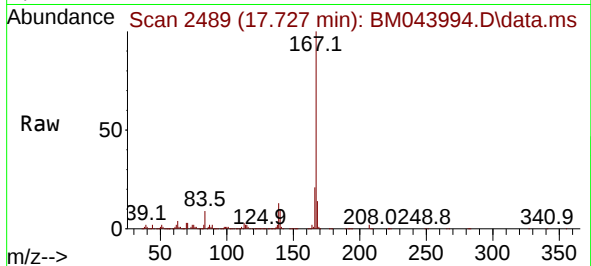
Tgt Ion:178 Resp: 967661
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 15.4 12.2 18.4





#73
 Carbazole
 Concen: 9.872 ng
 RT: 17.727 min Scan# 2489
 Delta R.T. -0.000 min
 Lab File: BM043994.D
 Acq: 06 Feb 2024 16:27

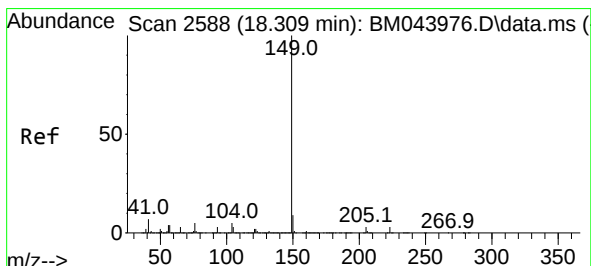
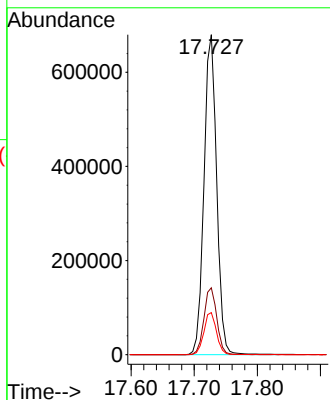
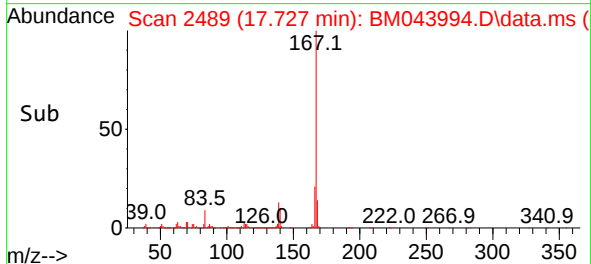
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024



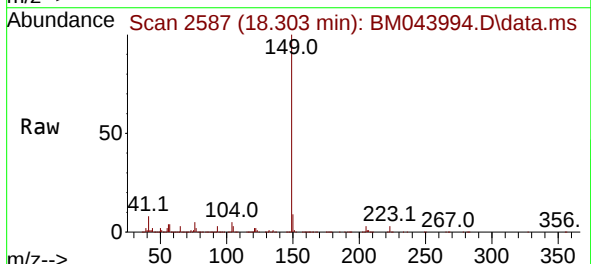
Tgt Ion:167 Resp: 94978
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.1 25.7
 139 13.2 10.6 15.8

Manual Integrations
 APPROVED

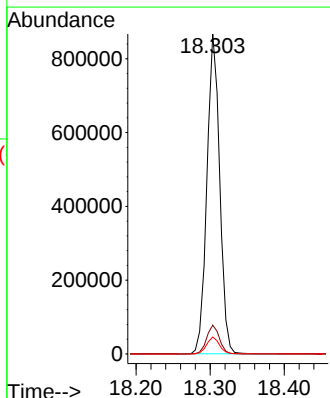
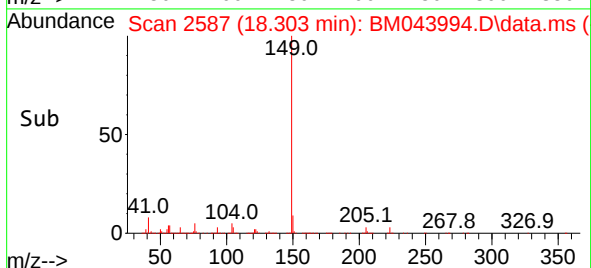
Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024

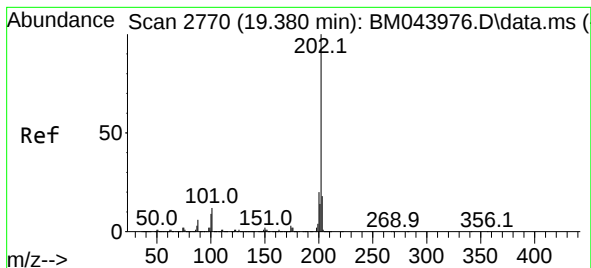


#74
 Di-n-butylphthalate
 Concen: 9.823 ng
 RT: 18.303 min Scan# 2587
 Delta R.T. -0.006 min
 Lab File: BM043994.D
 Acq: 06 Feb 2024 16:27



Tgt Ion:149 Resp: 1036484
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 5.3 4.1 6.1





#75

Fluoranthene

Concen: 9.663 ng

RT: 19.380 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:202 Resp: 113388

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.9

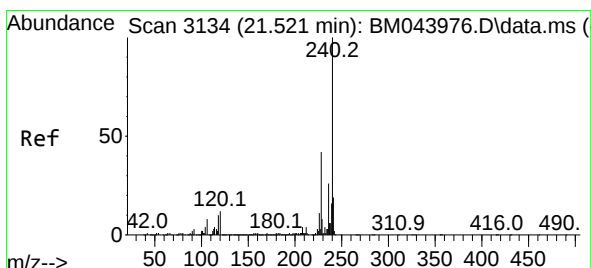
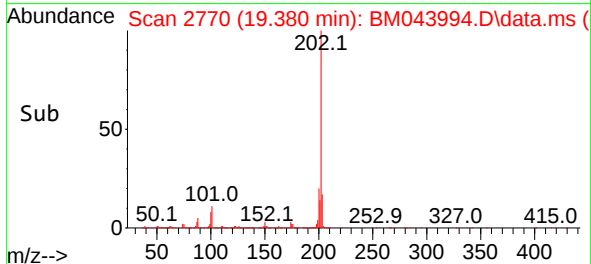
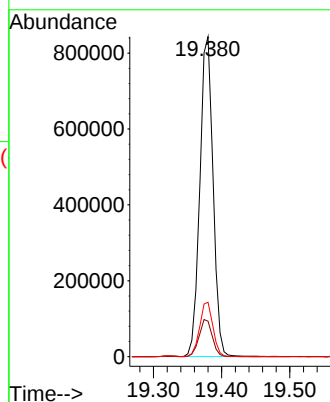
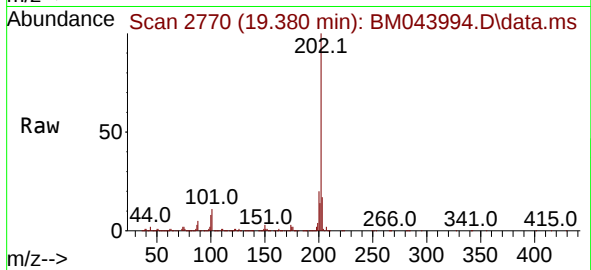
203 17.0 0.0 37.6

Manual Integrations

APPROVED

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: BM043994.D

Acq: 06 Feb 2024 16:27

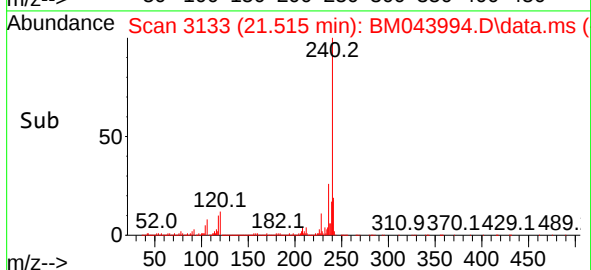
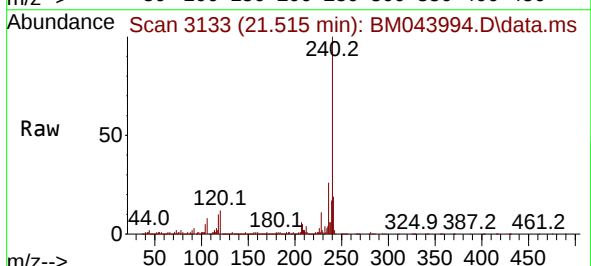
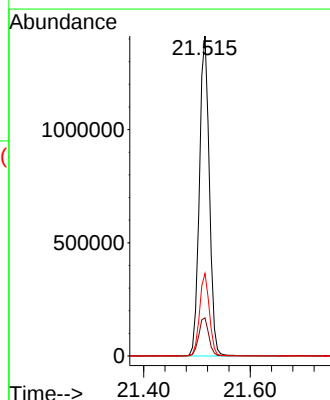
Tgt Ion:240 Resp: 1829659

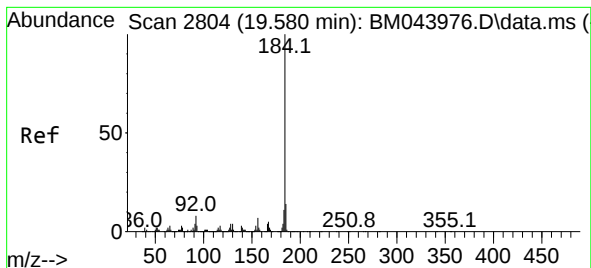
Ion Ratio Lower Upper

240 100

120 11.9 9.3 13.9

236 25.8 20.5 30.7





#77

Benzidine

Concen: 18.874 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

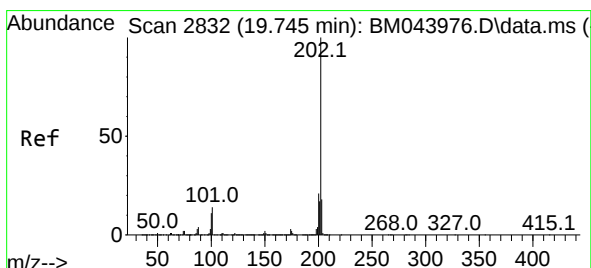
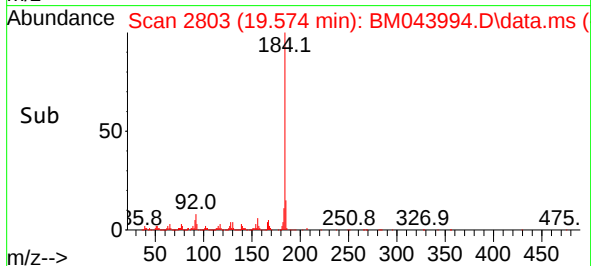
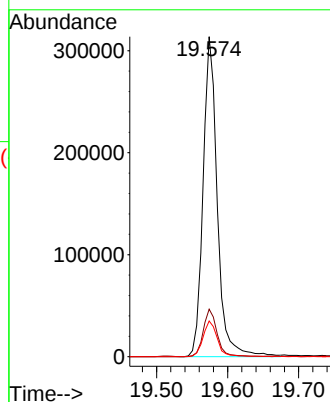
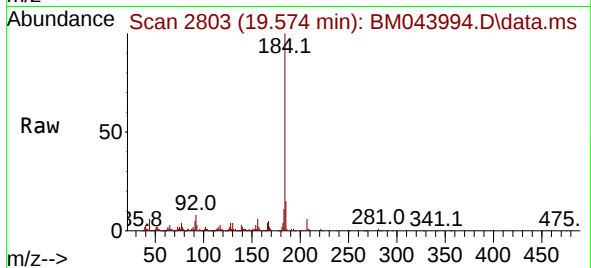
LOQ-SOIL-02-QT1-2024

Tgt Ion:	184	Resp:	43815
Ion Ratio	Lower	Upper	
184	100		
185	14.8	11.5	17.3
183	11.2	8.9	13.3

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 9.590 ng

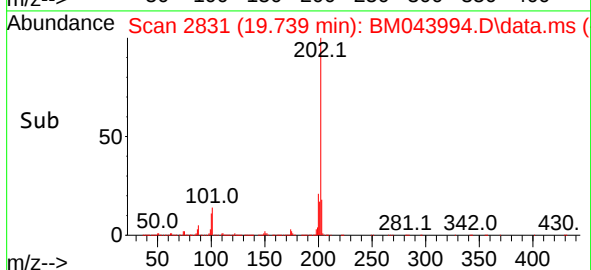
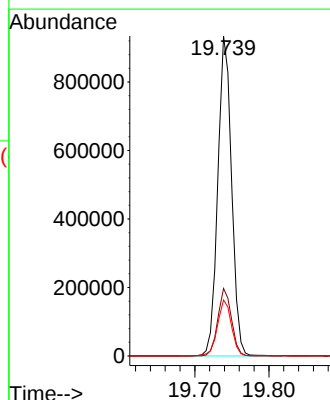
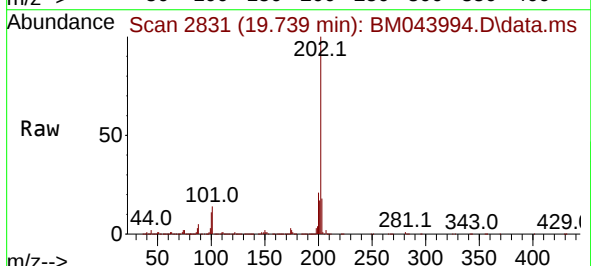
RT: 19.739 min Scan# 2831

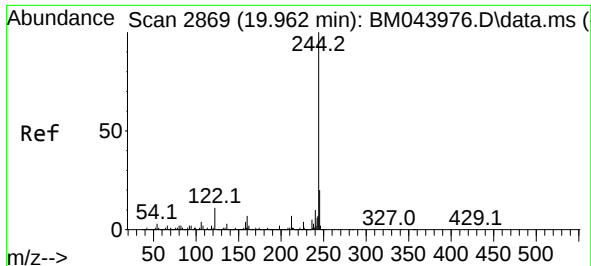
Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

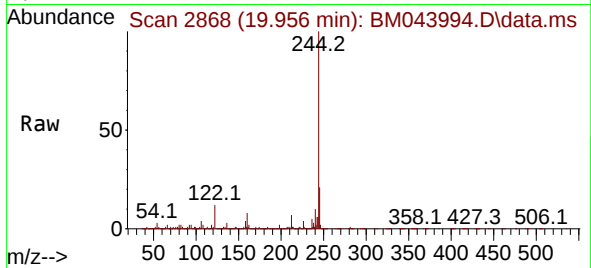
Tgt Ion:	202	Resp:	1206116
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.8	25.2
203	17.5	14.2	21.4





#79
Terphenyl-d14
Concen: 88.817 ng
RT: 19.956 min Scan# 2868
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

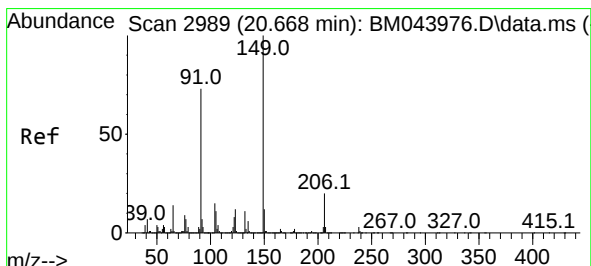
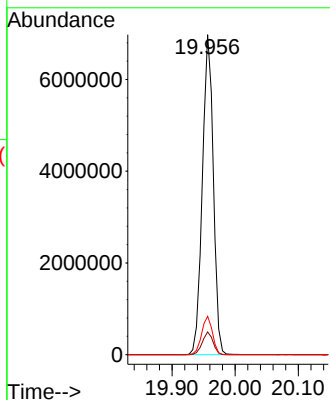
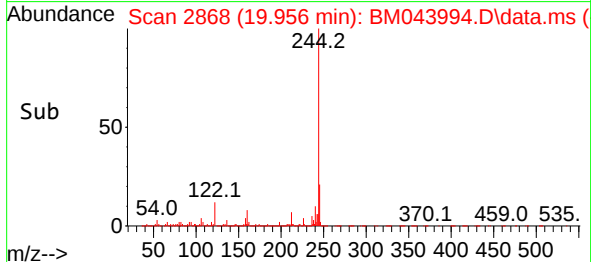
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



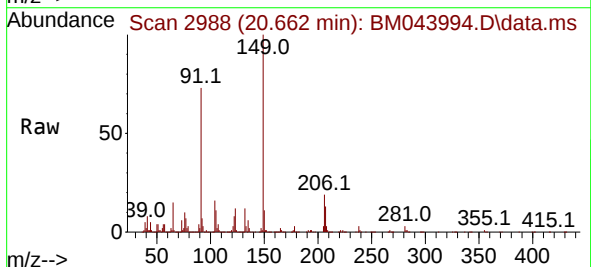
Tgt Ion:244 Resp: 841815
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 12.0 8.7 13.1

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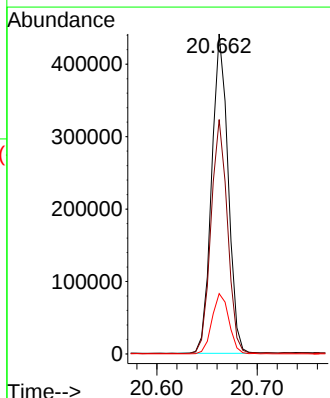
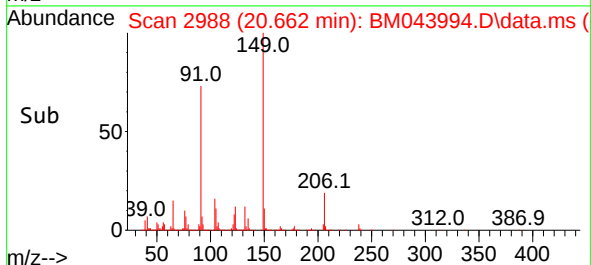
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

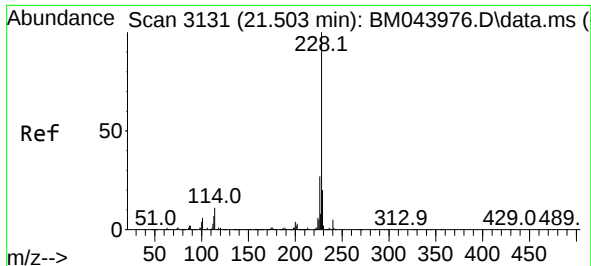


#80
Butylbenzylphthalate
Concen: 10.039 ng
RT: 20.662 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



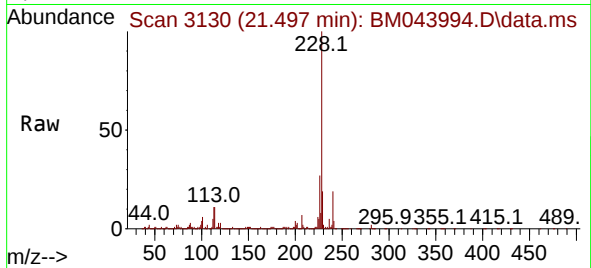
Tgt Ion:149 Resp: 499985
Ion Ratio Lower Upper
149 100
91 73.3 58.4 87.6
206 18.8 15.8 23.6





#81
Benzo(a)anthracene
Concen: 10.455 ng
RT: 21.497 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

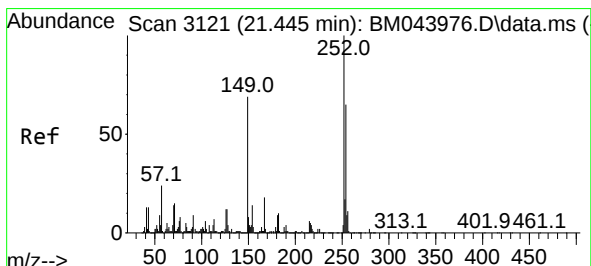
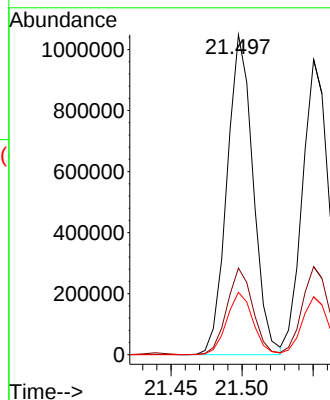
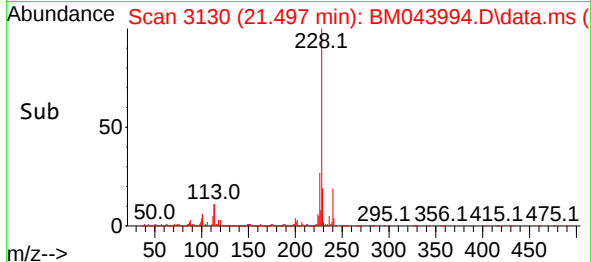
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024



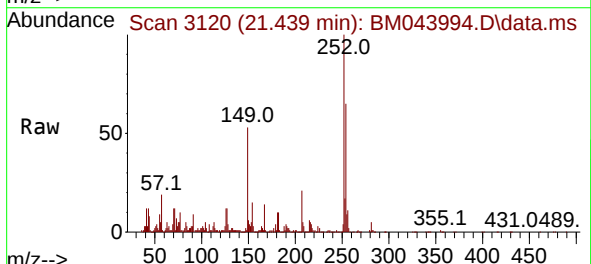
Tgt Ion:228 Resp: 1342069
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.5 16.1 24.1

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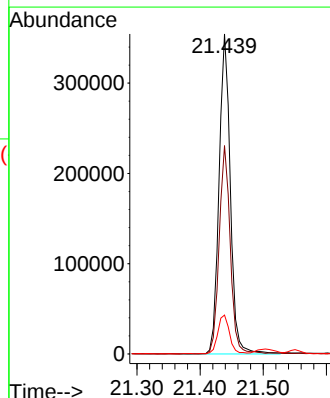
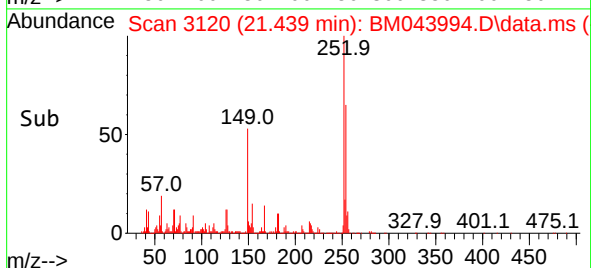
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

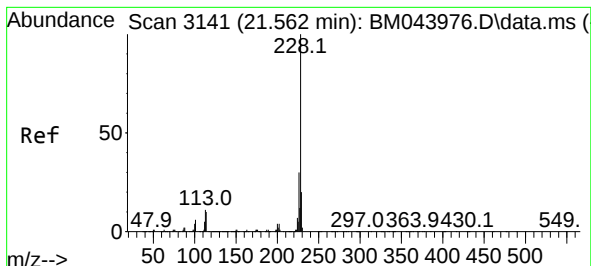


#82
3,3'-Dichlorobenzidine
Concen: 10.738 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27



Tgt Ion:252 Resp: 440727
Ion Ratio Lower Upper
252 100
254 65.1 51.6 77.4
126 12.2 9.4 14.2





#83

Chrysene

Concen: 10.107 ng

RT: 21.550 min Scan# 3141

Delta R.T. -0.012 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:228 Resp: 1242889

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

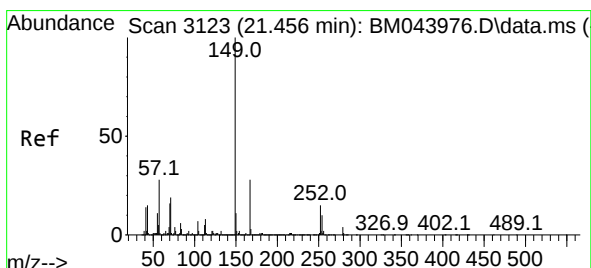
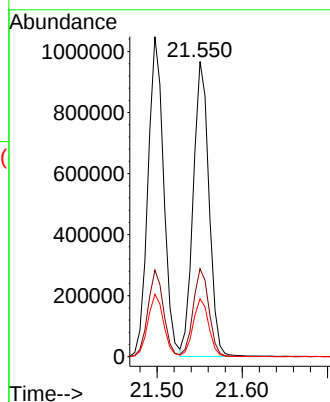
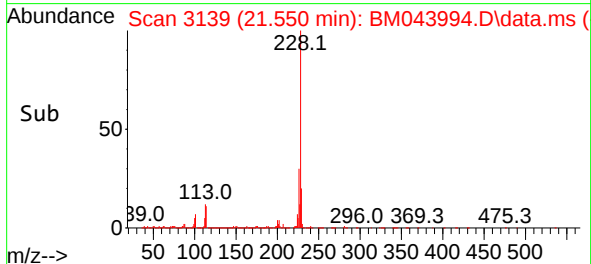
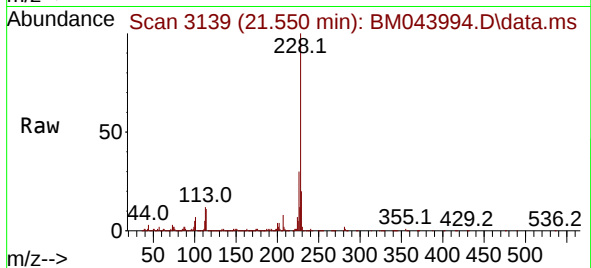
229 19.6 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.907 ng

RT: 21.450 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

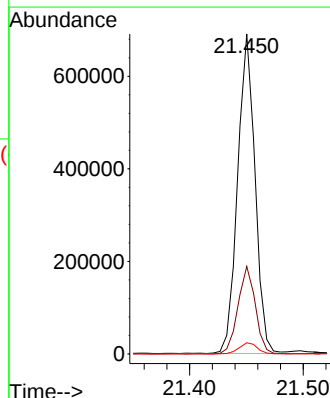
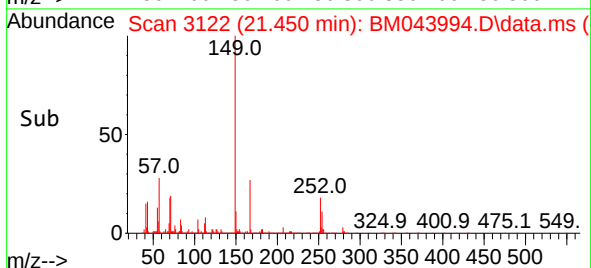
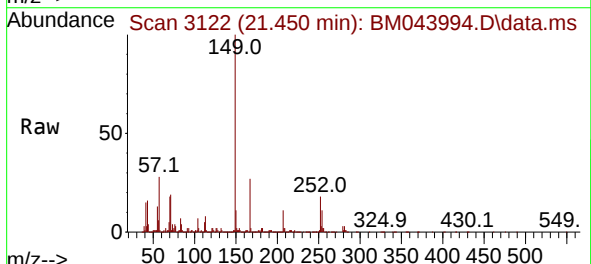
Tgt Ion:149 Resp: 733740

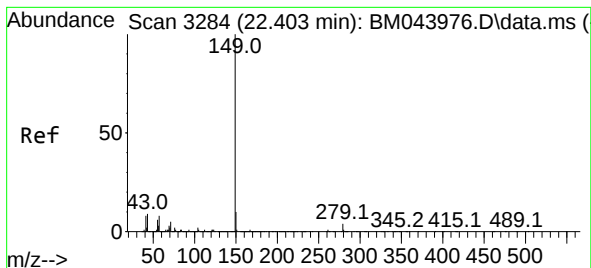
Ion Ratio Lower Upper

149 100

167 27.4 22.0 33.0

279 3.5 3.1 4.7





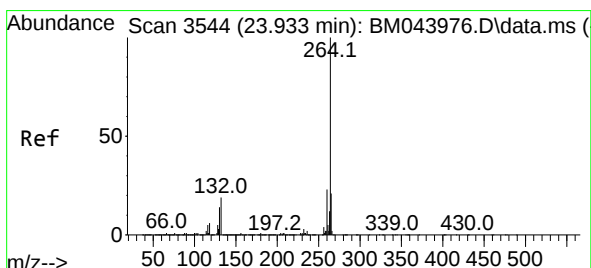
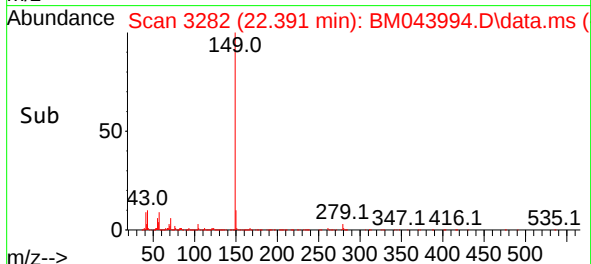
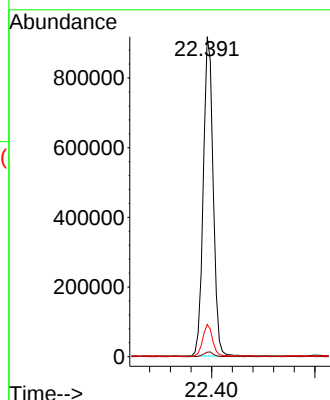
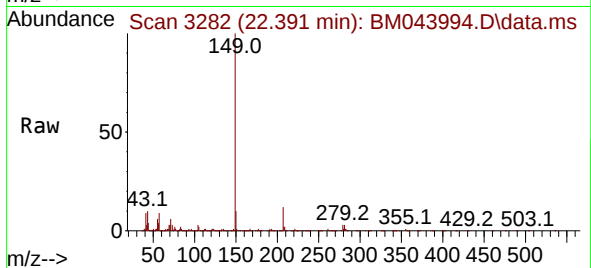
#85
Di-n-octyl phthalate
Concen: 9.509 ng
RT: 22.391 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:149 Resp: 121327
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.0 7.9 11.9

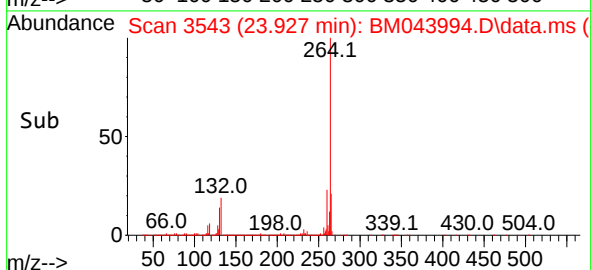
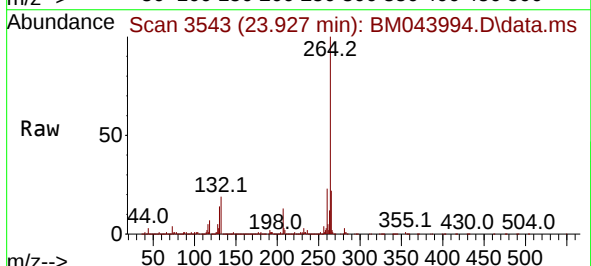
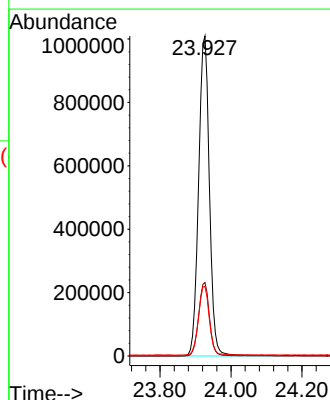
Manual Integrations
APPROVED

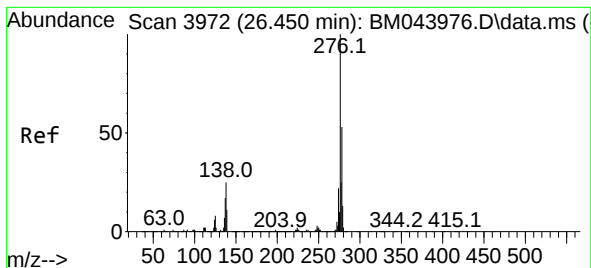
Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 3543
Delta R.T. -0.006 min
Lab File: BM043994.D
Acq: 06 Feb 2024 16:27

Tgt Ion:264 Resp: 2139326
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.280 ng

RT: 26.421 min Scan# 3972

Delta R.T. -0.029 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:276 Resp: 1645578

Ion Ratio Lower Upper

276 100

138 28.2 21.8 32.6

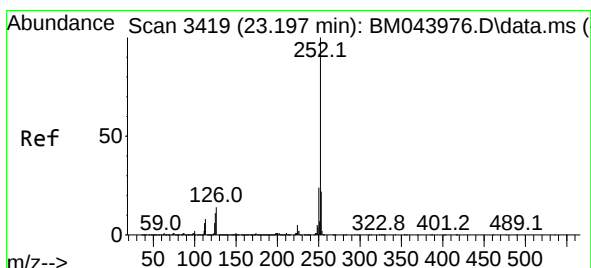
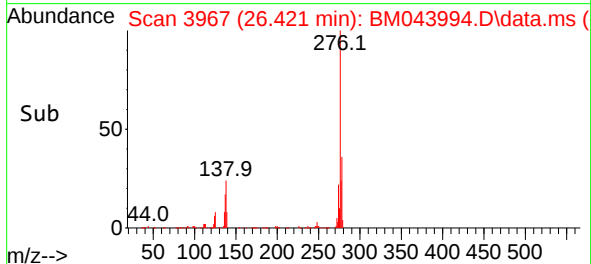
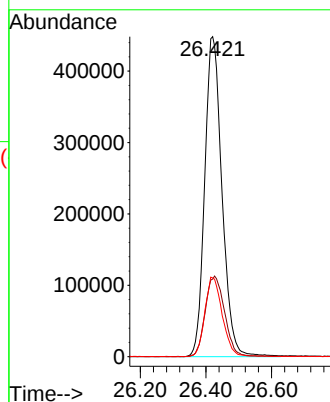
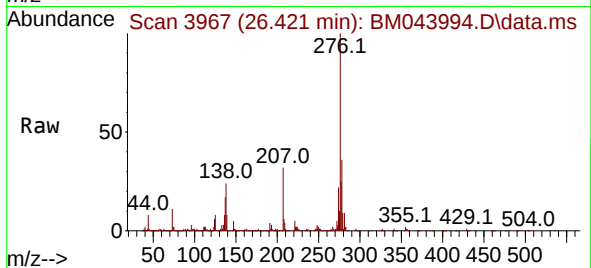
277 25.1 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#88

Benzo(b)fluoranthene

Concen: 10.535 ng

RT: 23.191 min Scan# 3418

Delta R.T. -0.006 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

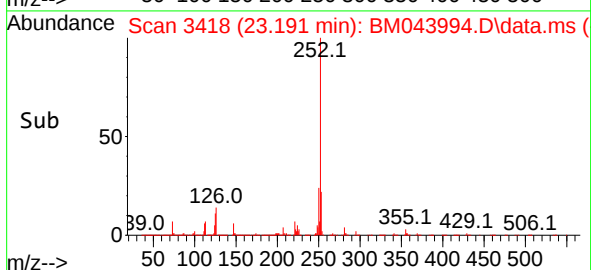
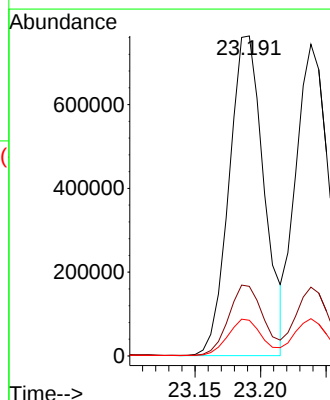
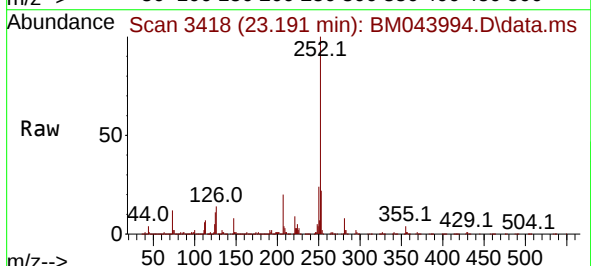
Tgt Ion:252 Resp: 1417696

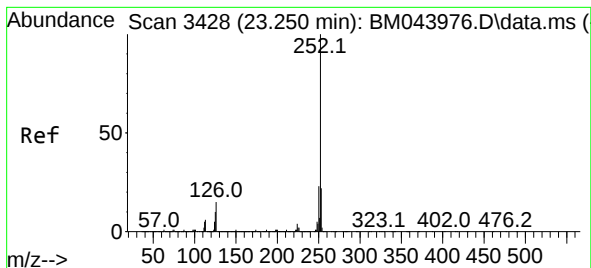
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.1 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 10.235 ng

RT: 23.238 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:252 Resp: 1321429

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

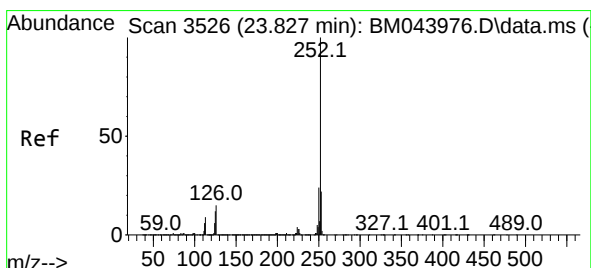
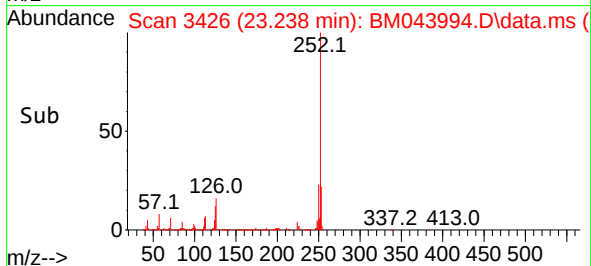
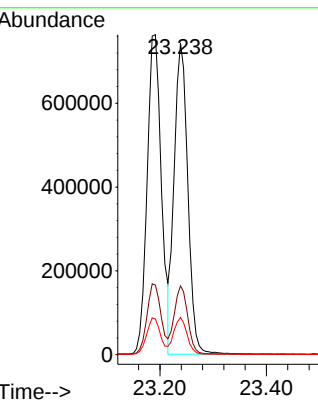
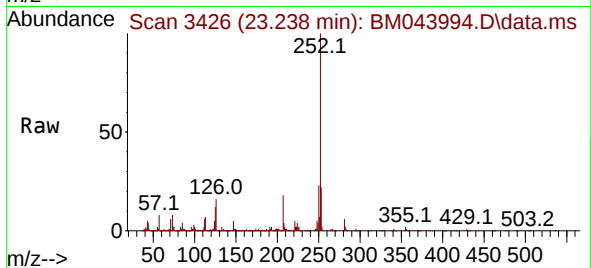
125 12.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#90

Benzo(a)pyrene

Concen: 9.845 ng

RT: 23.815 min Scan# 3524

Delta R.T. -0.012 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

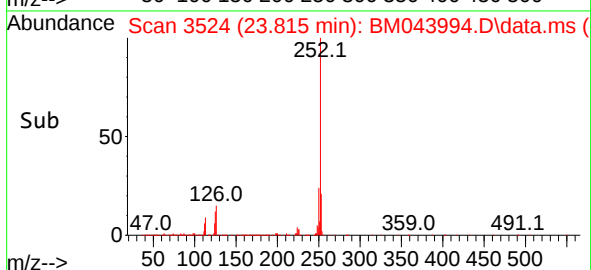
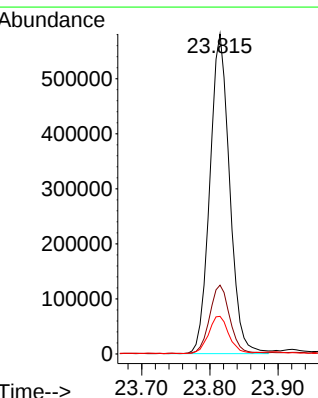
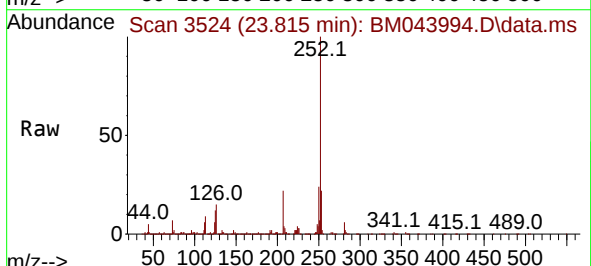
Tgt Ion:252 Resp: 1170999

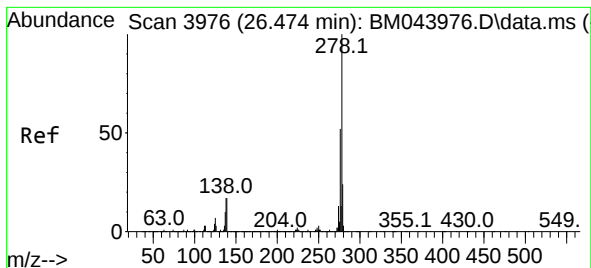
Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 11.7 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 10.452 ng

RT: 26.450 min Scan# 3976

Delta R.T. -0.024 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:278 Resp: 1379900

Ion Ratio Lower Upper

278 100

139 17.9 13.7 20.5

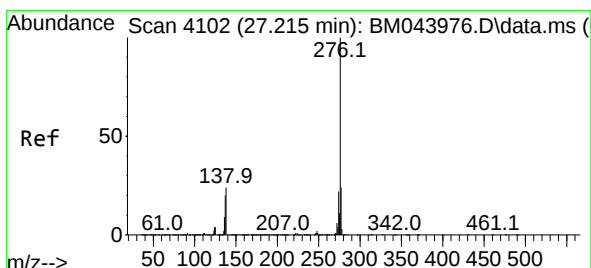
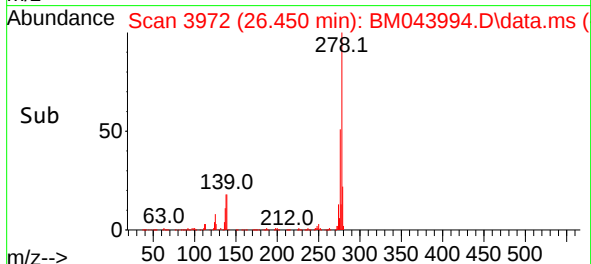
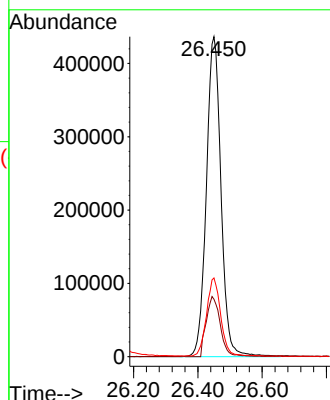
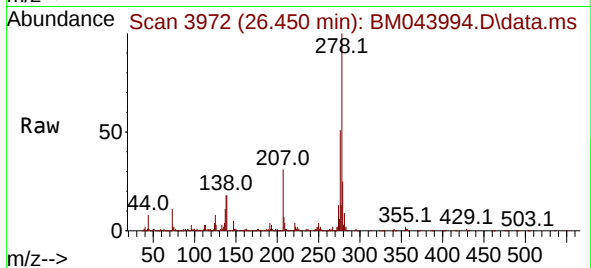
279 24.6 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024

Supervised By :mohammad ahmed 02/08/2024



#92

Benzo(g,h,i)perylene

Concen: 9.792 ng

RT: 27.185 min Scan# 4097

Delta R.T. -0.029 min

Lab File: BM043994.D

Acq: 06 Feb 2024 16:27

Tgt Ion:276 Resp: 1318523

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 24.0 18.8 28.2

