

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047154.D
 Acq On : 12 Aug 2024 13:05
 Operator : RC/JU
 Sample : P3390-01
 Misc : LOD-MDL-SOIL-4NG
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 12 14:02:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	223287	20.000	ng	0.00
21) Naphthalene-d8	10.127	136	984044	20.000	ng	0.00
39) Acenaphthene-d10	14.033	164	657208	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1516781	20.000	ng	0.00
76) Chrysene-d12	21.033	240	1506974	20.000	ng	0.00
86) Perylene-d12	23.727	264	1901369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1528633	122.328	ng	0.00
7) Phenol-d6	6.587	99	2108300	122.443	ng	0.00
23) Nitrobenzene-d5	8.522	82	1504642	76.992	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	1027530	134.839	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	3172007	74.450	ng	0.00
79) Terphenyl-d14	19.462	244	5979802	85.027	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.034	88	21357	4.125	ng	# 96
3) Pyridine	3.422	79	51563	3.396	ng	96
4) n-Nitrosodimethylamine	3.328	42	27295	4.115	ng	# 85
6) Aniline	6.722	93	79234	4.868	ng	99
8) 2-Chlorophenol	6.945	128	52725	3.869	ng	98
9) Benzaldehyde	6.539	77	57303	4.244	ng	97
10) Phenol	6.604	94	63972	3.723	ng	83
11) bis(2-Chloroethyl)ether	6.822	93	61446	4.176	ng	97
12) 1,3-Dichlorobenzene	7.257	146	62783	3.876	ng	97
13) 1,4-Dichlorobenzene	7.410	146	64406	3.928	ng	95
14) 1,2-Dichlorobenzene	7.716	146	62932	4.067	ng	98
15) Benzyl Alcohol	7.628	79	52594	4.292	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.910	45	79845	4.229	ng	95
17) 2-Methylphenol	7.833	107	45328	3.955	ng	95
18) Hexachloroethane	8.428	117	24153	3.802	ng	96
19) n-Nitroso-di-n-propyla...	8.181	70	50074	4.317	ng	97
20) 3+4-Methylphenols	8.157	107	60417	3.770	ng	95
22) Acetophenone	8.192	105	97593	4.109	ng	# 95
24) Nitrobenzene	8.563	77	80250	4.078	ng	96
25) Isophorone	9.086	82	130689	3.841	ng	97
26) 2-Nitrophenol	9.263	139	26436	3.033	ng	93
27) 2,4-Dimethylphenol	9.345	122	31137	3.050	ng	98
28) bis(2-Chloroethoxy)met...	9.575	93	83137	3.883	ng	99
29) 2,4-Dichlorophenol	9.798	162	48961	3.232	ng	95
30) 1,2,4-Trichlorobenzene	9.998	180	60316	3.519	ng	100
31) Naphthalene	10.175	128	190504	3.886	ng	99
32) Benzoic acid	9.433	122	25674	2.165	ng	90
33) 4-Chloroaniline	10.310	127	73638	3.906	ng	97
34) Hexachlorobutadiene	10.463	225	33340	3.323	ng	93
35) Caprolactam	11.092	113	17784	3.381	ng	89
36) 4-Chloro-3-methylphenol	11.451	107	54878	3.402	ng	99
37) 2-Methylnaphthalene	11.804	142	128319	3.676	ng	99
38) 1-Methylnaphthalene	12.027	142	129616	3.757	ng	99
40) 1,2,4,5-Tetrachloroben...	12.186	216	63989	3.570	ng	97
41) Hexachlorocyclopentadiene	12.163	237	22382	3.576	ng	97
43) 2,4,6-Trichlorophenol	12.445	196	39953	3.136	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047154.D
 Acq On : 12 Aug 2024 13:05
 Operator : RC/JU
 Sample : P3390-01
 Misc : LOD-MDL-SOIL-4NG
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 12 14:02:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

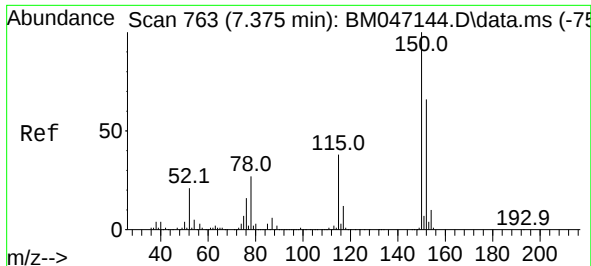
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.521	196	44742	3.163	ng	# 93
46) 1,1'-Biphenyl	12.851	154	181499	3.879	ng	98
47) 2-Chloronaphthalene	12.886	162	140909	3.853	ng	98
48) 2-Nitroaniline	13.110	65	39286	3.429	ng	91
49) Acenaphthylene	13.745	152	222582	4.129	ng	99
50) Dimethylphthalate	13.510	163	178420	3.887	ng	99
51) 2,6-Dinitrotoluene	13.621	165	33992	3.168	ng	# 80
52) Acenaphthene	14.098	154	135376	3.959	ng	99
53) 3-Nitroaniline	13.957	138	37430	3.481	ng	# 94
54) 2,4-Dinitrophenol	14.174	184	13843	2.153	ng	92
55) Dibenzofuran	14.439	168	224798	4.162	ng	99
56) 4-Nitrophenol	14.298	139	29070	3.136	ng	88
57) 2,4-Dinitrotoluene	14.427	165	45374	3.168	ng	# 78
58) Fluorene	15.092	166	179514	4.028	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.592	232	37894	3.259	ng	97
60) Diethylphthalate	14.892	149	180763	3.857	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	83366	3.929	ng	97
62) 4-Nitroaniline	15.127	138	32435	3.062	ng	85
63) Azobenzene	15.392	77	181779	4.090	ng	98
65) 4,6-Dinitro-2-methylph...	15.198	198	20838	2.346	ng	93
66) n-Nitrosodiphenylamine	15.315	169	153280	3.710	ng	98
67) 4-Bromophenyl-phenylether	15.998	248	49705	3.401	ng	97
68) Hexachlorobenzene	16.098	284	62136	3.550	ng	95
69) Atrazine	16.286	200	51410	4.135	ng	97
70) Pentachlorophenol	16.451	266	30940	2.521	ng	98
71) Phenanthrene	16.833	178	300263	3.945	ng	99
72) Anthracene	16.927	178	284697	3.844	ng	100
73) Carbazole	17.209	167	278287	3.680	ng	99
74) Di-n-butylphthalate	17.792	149	315640	3.587	ng	99
75) Fluoranthene	18.868	202	330728	3.572	ng	99
77) Benzidine	19.074	184	45558	1.783	ng	97
78) Pyrene	19.233	202	350312	3.256	ng	99
80) Butylbenzylphthalate	20.174	149	138080	3.144	ng	94
81) Benzo(a)anthracene	21.015	228	364650	3.645	ng	99
82) 3,3'-Dichlorobenzidine	20.956	252	112717	3.601	ng	99
83) Chrysene	21.068	228	341119	3.594	ng	99
84) Bis(2-ethylhexyl)phtha...	20.980	149	205755	3.304	ng	99
85) Di-n-octyl phthalate	22.009	149	322186	3.044	ng	96
87) Indeno(1,2,3-cd)pyrene	26.715	276	444526	3.617	ng	98
88) Benzo(b)fluoranthene	22.880	252	376557	3.335	ng	98
89) Benzo(k)fluoranthene	22.938	252	360854	3.383	ng	99
90) Benzo(a)pyrene	23.597	252	317981	3.251	ng	98
91) Dibenzo(a,h)anthracene	26.762	278	367943	3.699	ng	98
92) Benzo(g,h,i)perylene	27.638	276	374135	3.623	ng	100

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

Instrument :
BNA_M

ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

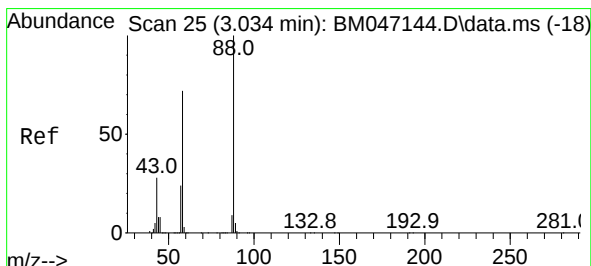
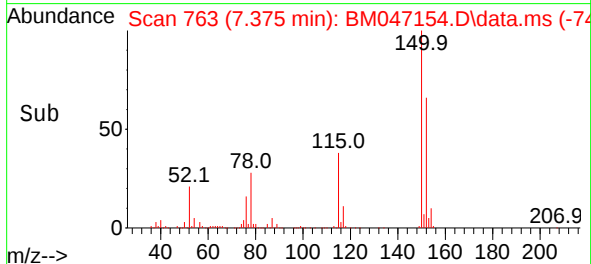
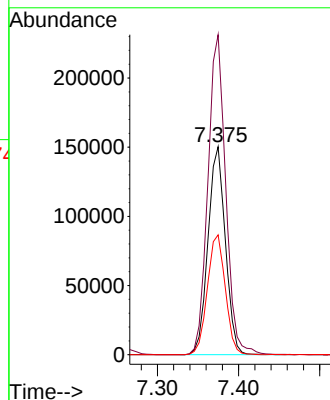
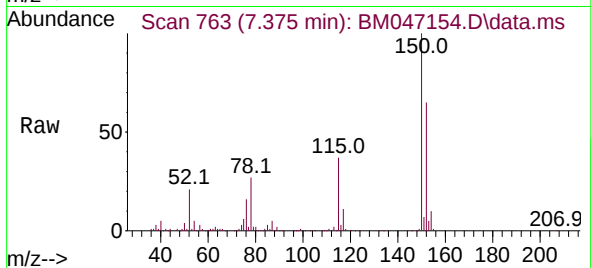
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

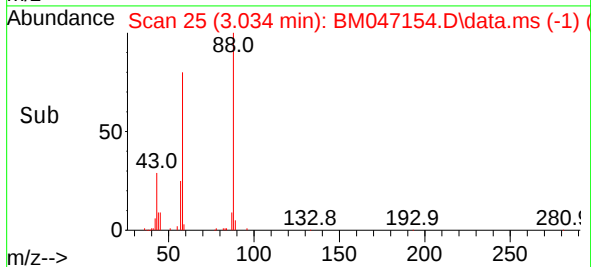
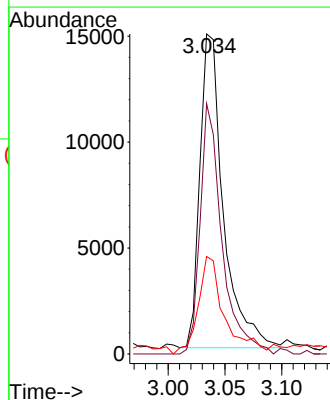
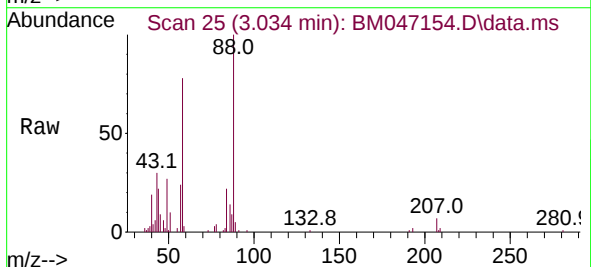
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

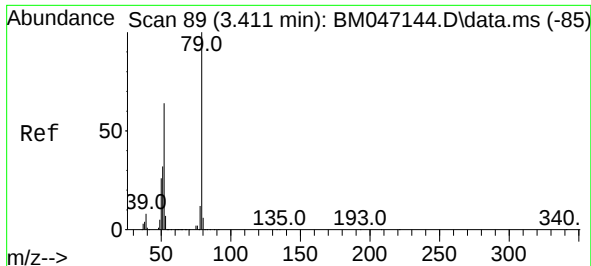
Tgt Ion:152 Resp: 223287
Ion Ratio Lower Upper
152 100
150 153.8 120.5 180.7
115 57.6 45.5 68.3



#2
1,4-Dioxane
Concen: 4.125 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion: 88 Resp: 21357
Ion Ratio Lower Upper
88 100
58 73.8 58.2 87.4
43 34.3 22.5 33.7#





#3

Pyridine

Concen: 3.396 ng

RT: 3.422 min Scan# 91

Delta R.T. 0.011 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

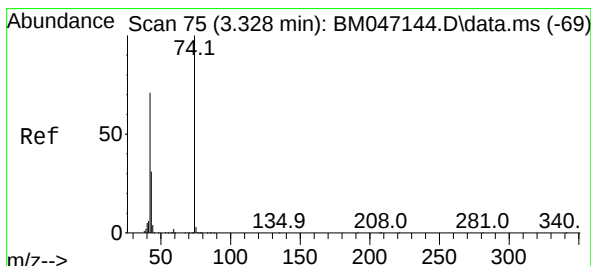
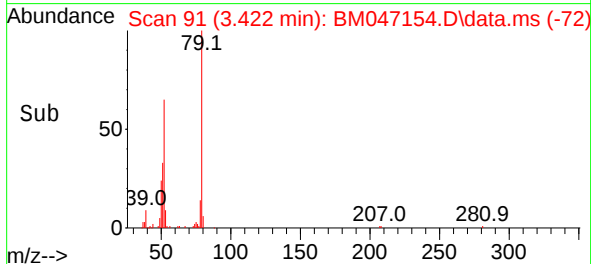
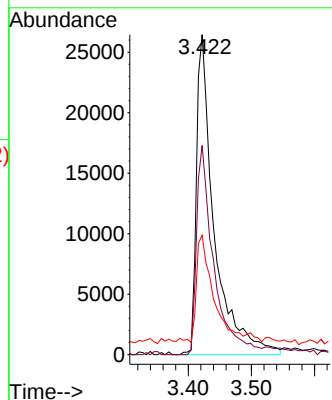
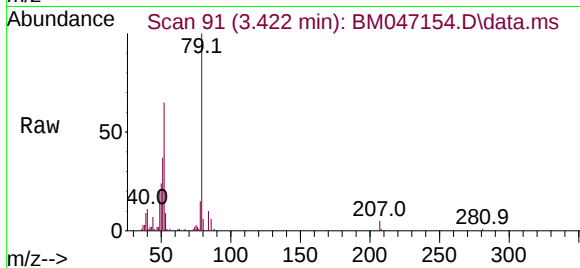
Tgt Ion: 79 Resp: 51563

Ion Ratio Lower Upper

79 100

52 65.4 51.2 76.8

51 37.3 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 4.115 ng

RT: 3.328 min Scan# 75

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

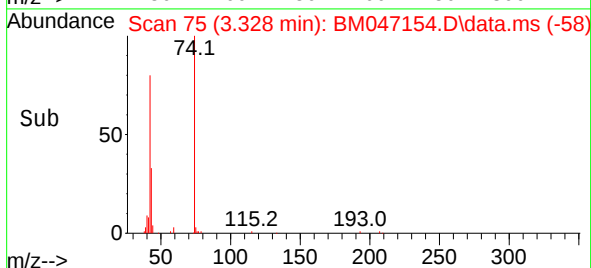
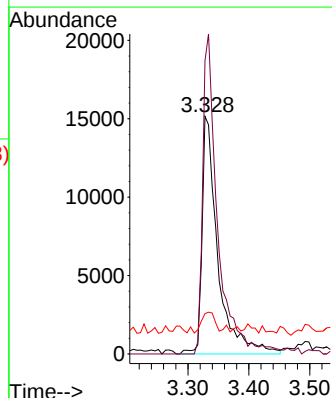
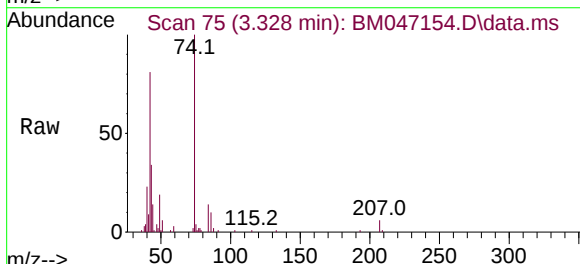
Tgt Ion: 42 Resp: 27295

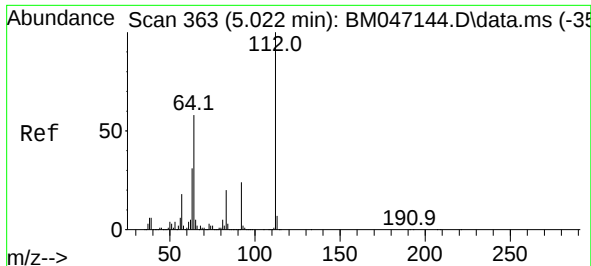
Ion Ratio Lower Upper

42 100

74 123.4 112.9 169.3

44 17.0 5.3 7.9#

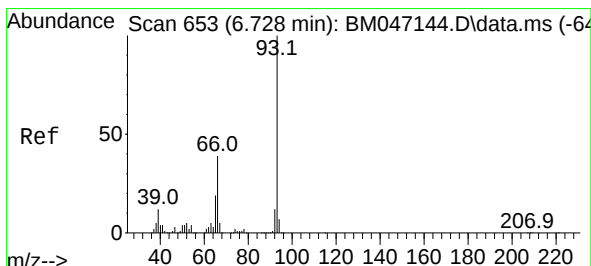
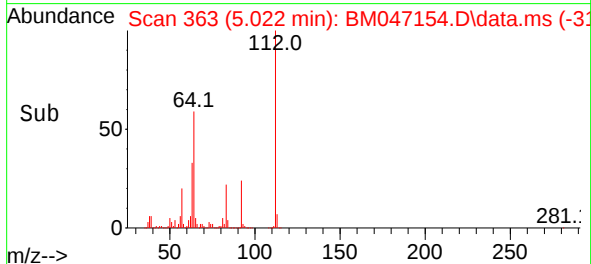
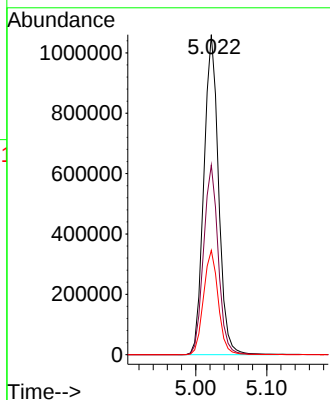
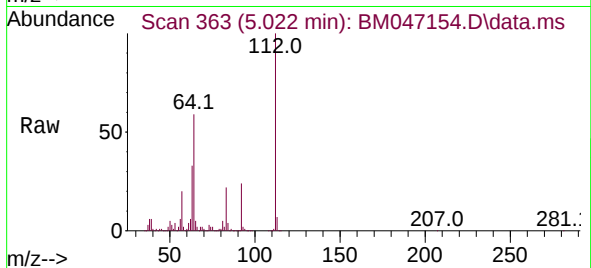




#5
2-Fluorophenol
Concen: 122.328 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

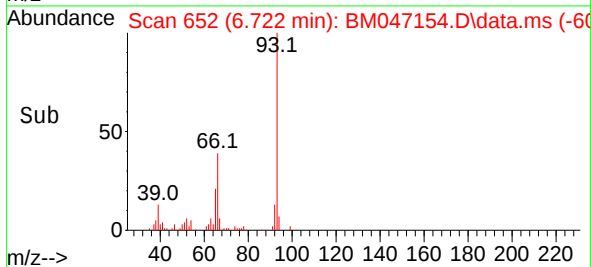
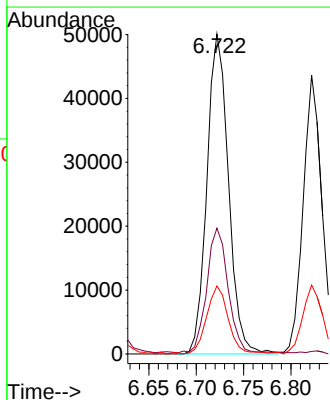
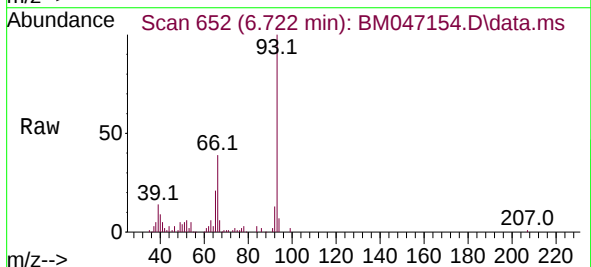
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

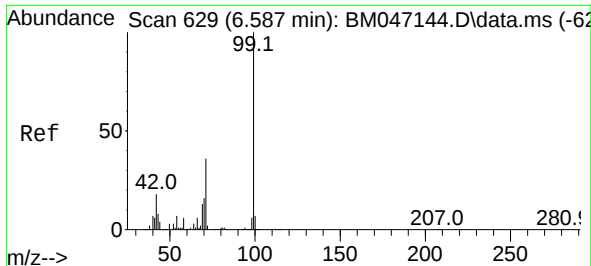
Tgt Ion:112 Resp: 1528633
Ion Ratio Lower Upper
112 100
64 59.2 46.7 70.1
63 32.6 24.8 37.2



#6
Aniline
Concen: 4.868 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion: 93 Resp: 79234
Ion Ratio Lower Upper
93 100
66 39.3 31.4 47.2
65 21.2 15.6 23.4

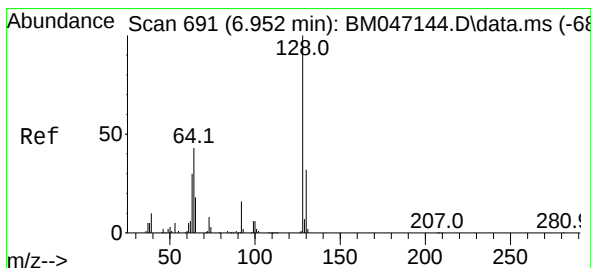
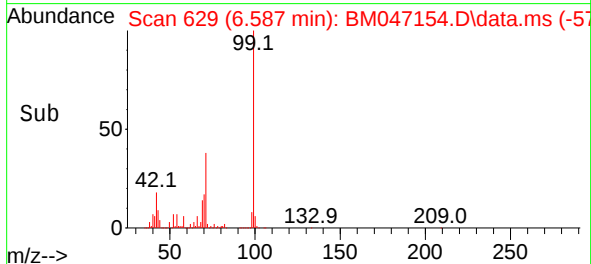
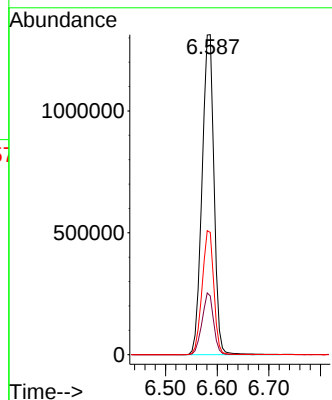
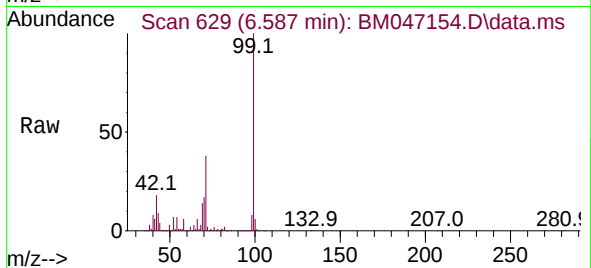




#7
Phenol-d6
Concen: 122.443 ng
RT: 6.587 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

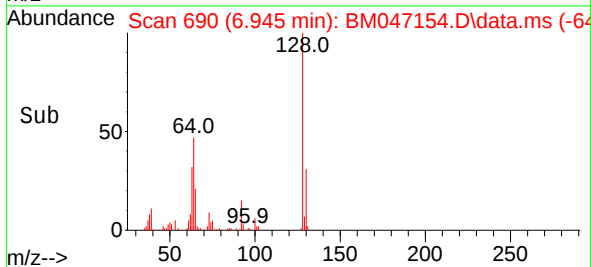
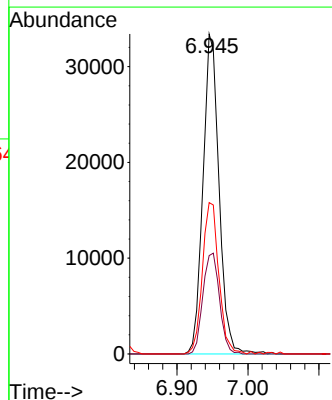
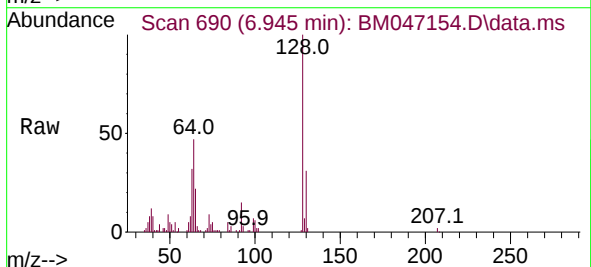
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

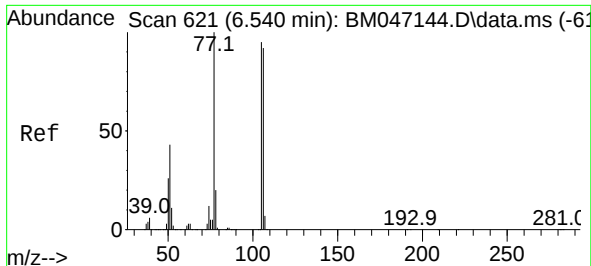
Tgt Ion: 99 Resp: 2108300
Ion Ratio Lower Upper
99 100
42 18.3 14.1 21.1
71 38.2 28.5 42.7



#8
2-Chlorophenol
Concen: 3.869 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion: 128 Resp: 52725
Ion Ratio Lower Upper
128 100
130 30.8 12.1 52.1
64 47.3 26.6 66.6

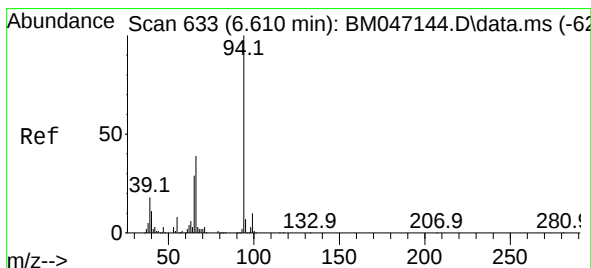
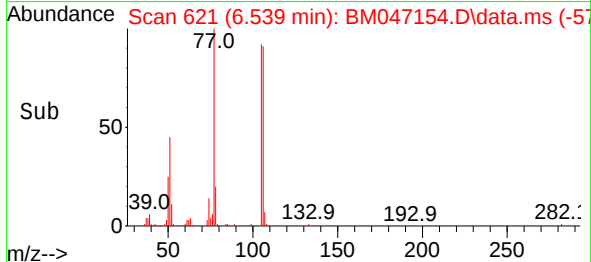
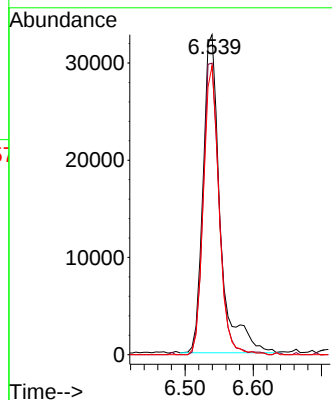
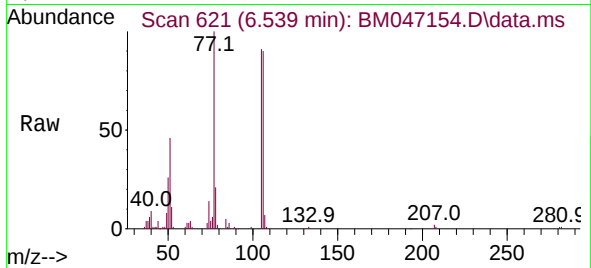




#9
Benzaldehyde
Concen: 4.244 ng
RT: 6.539 min Scan# 61
Delta R.T. -0.001 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

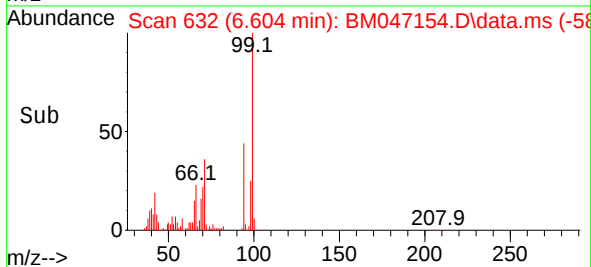
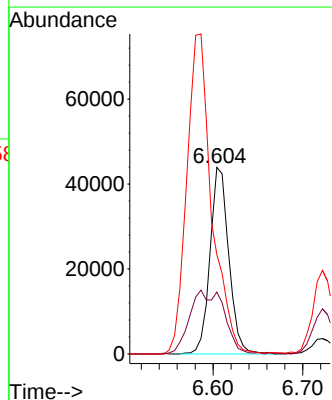
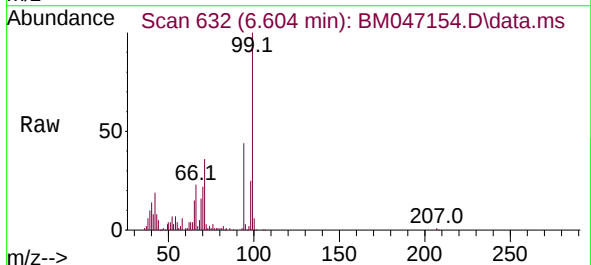
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

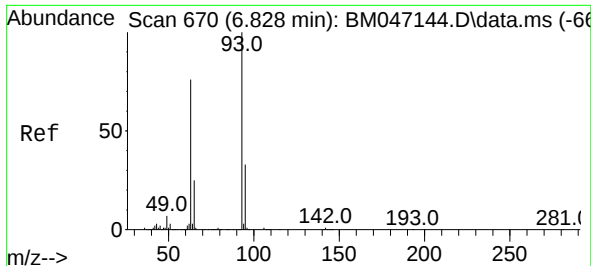
Tgt Ion: 77 Resp: 57303
Ion Ratio Lower Upper
77 100
105 91.1 74.5 114.5
106 90.2 72.3 112.3



#10
Phenol
Concen: 3.723 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion: 94 Resp: 63972
Ion Ratio Lower Upper
94 100
65 33.2 9.0 49.0
66 53.3 18.9 58.9

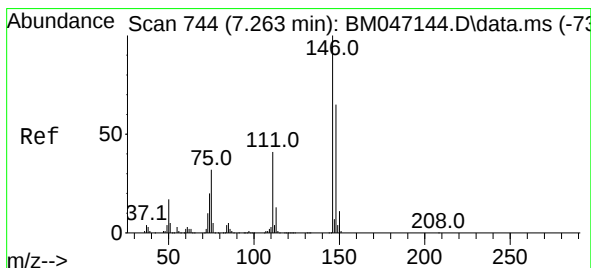
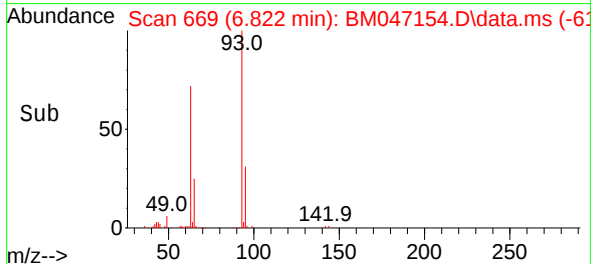
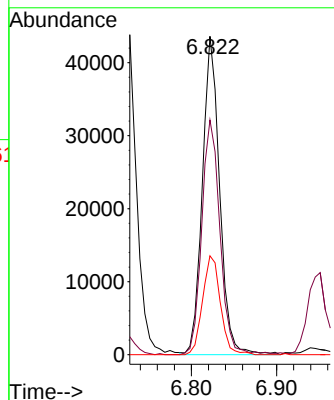
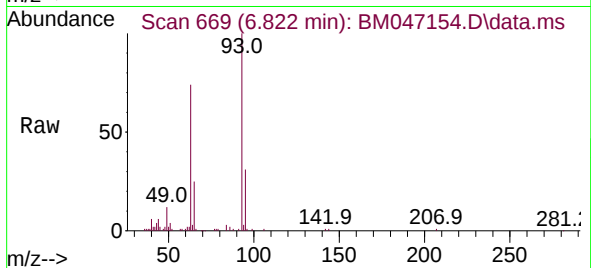




#11
bis(2-Chloroethyl)ether
Concen: 4.176 ng
RT: 6.822 min Scan# 611
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

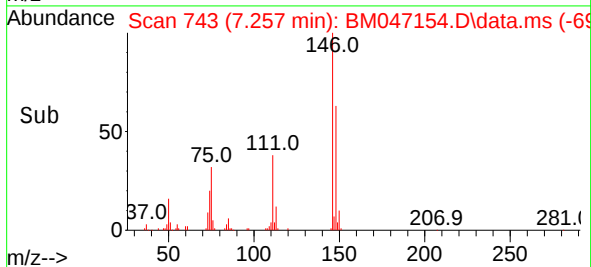
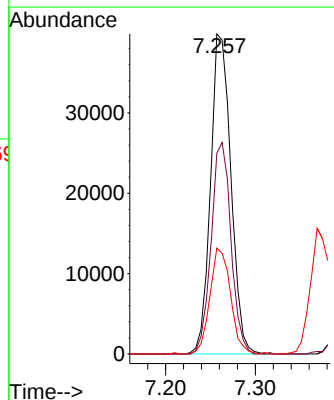
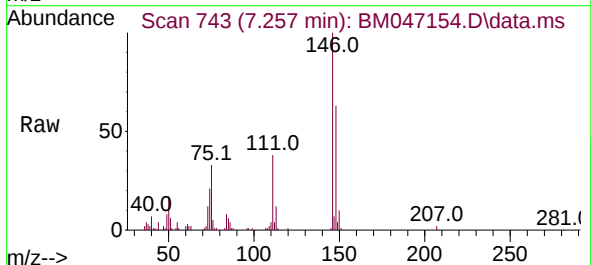
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

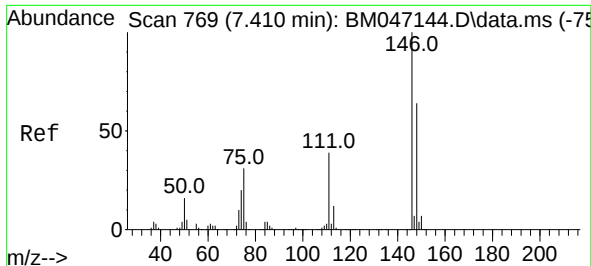
Tgt Ion: 93 Resp: 61446
Ion Ratio Lower Upper
93 100
63 73.7 55.8 95.8
95 31.1 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 3.876 ng
RT: 7.257 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:146 Resp: 62783
Ion Ratio Lower Upper
146 100
148 62.8 52.3 78.5
75 33.1 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 3.928 ng

RT: 7.410 min Scan# 7

Delta R.T. -0.000 min

Lab File: BM047154.D

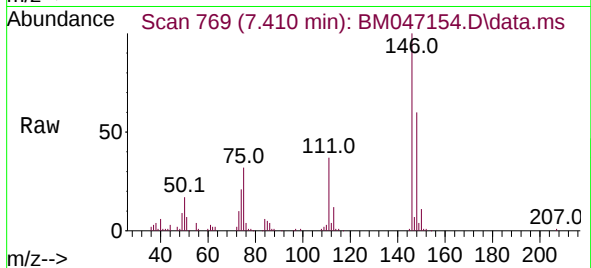
Acq: 12 Aug 2024 13:05

Instrument :

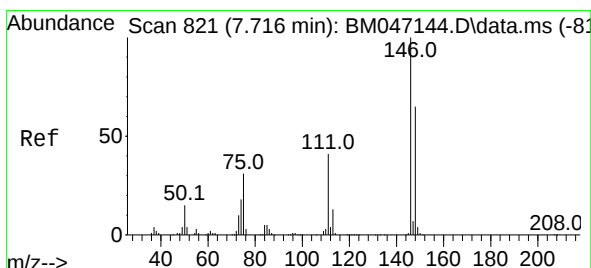
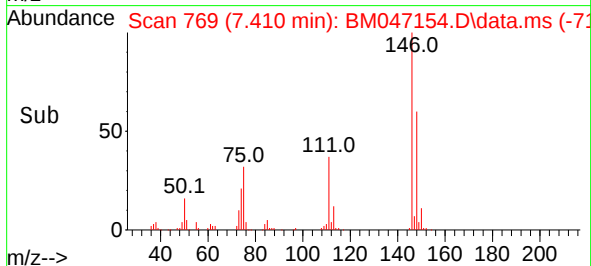
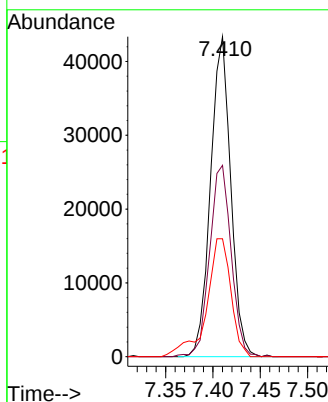
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:	146	Resp:	64406
Ion Ratio	Lower	Upper	
146	100		
148	59.8	51.4	77.2
111	36.8	31.5	47.3



#14

1,2-Dichlorobenzene

Concen: 4.067 ng

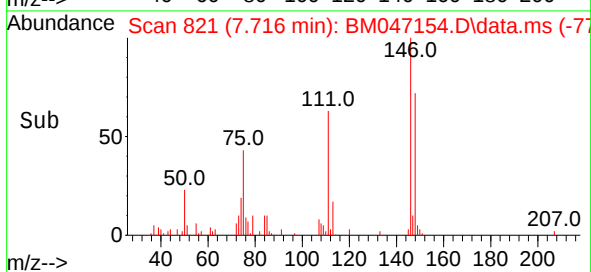
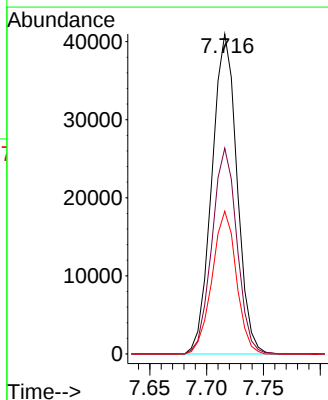
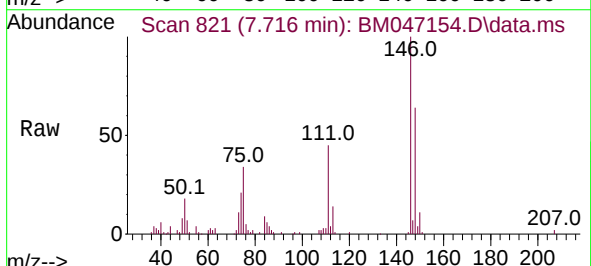
RT: 7.716 min Scan# 821

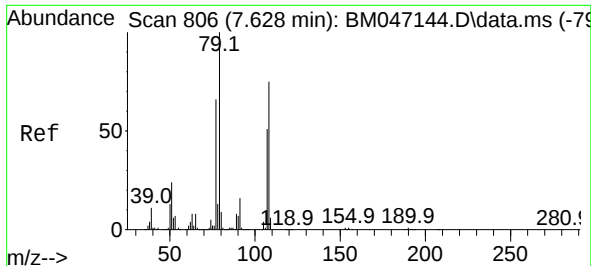
Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Tgt Ion:	146	Resp:	62932
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.8	77.8
111	44.6	33.3	49.9

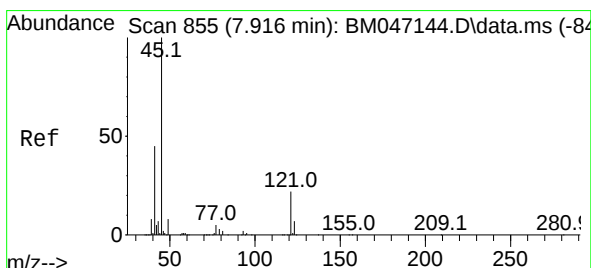
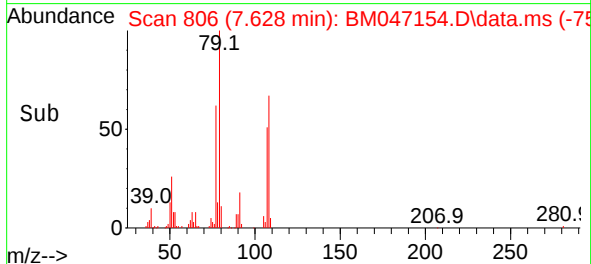
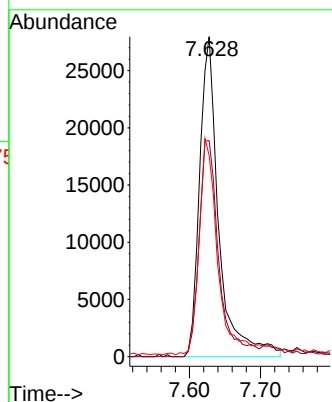
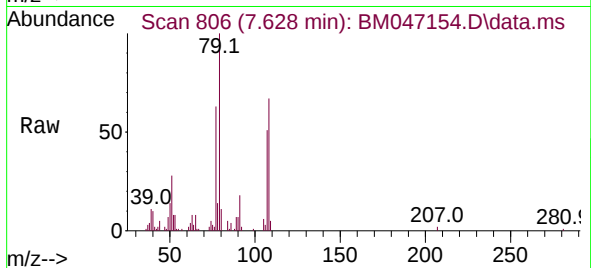




#15
Benzyl Alcohol
Concen: 4.292 ng
RT: 7.628 min Scan# 806
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

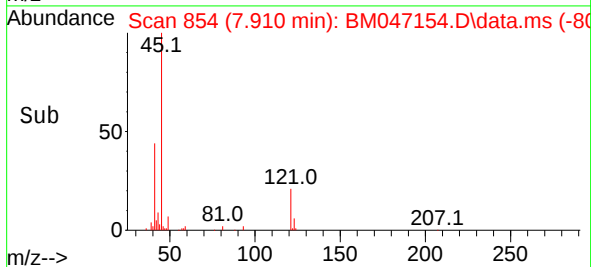
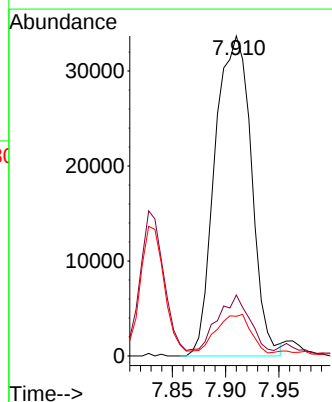
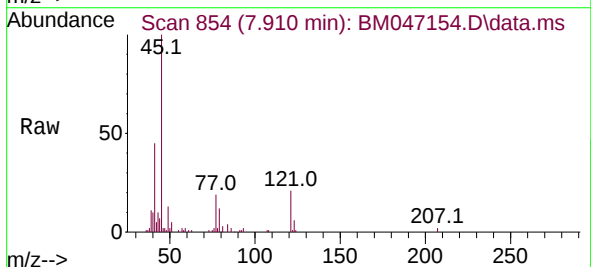
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

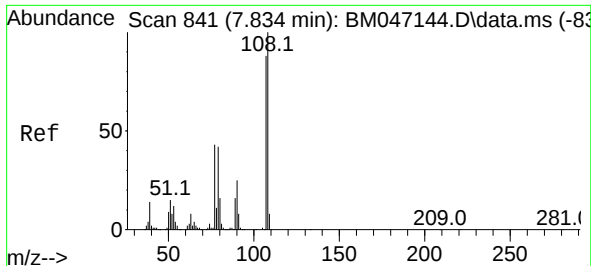
Tgt Ion: 79 Resp: 52594
Ion Ratio Lower Upper
79 100
108 67.5 59.7 89.5
77 62.8 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.229 ng
RT: 7.910 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion: 45 Resp: 79845
Ion Ratio Lower Upper
45 100
77 19.0 0.0 35.6
79 12.4 0.0 32.4

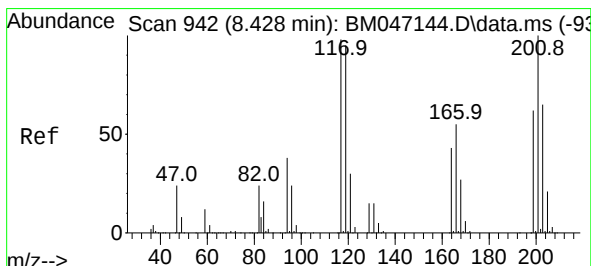
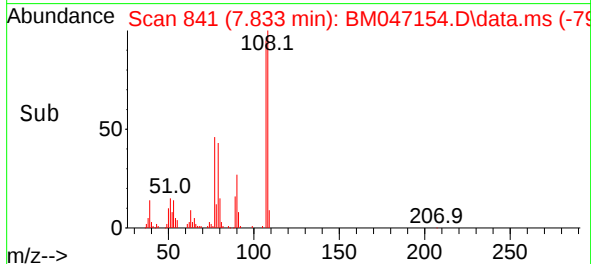
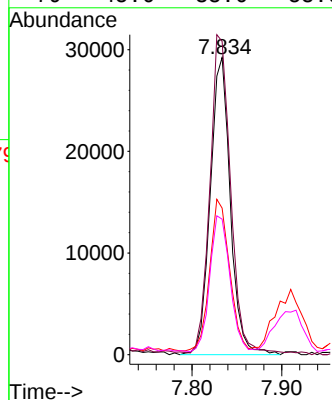
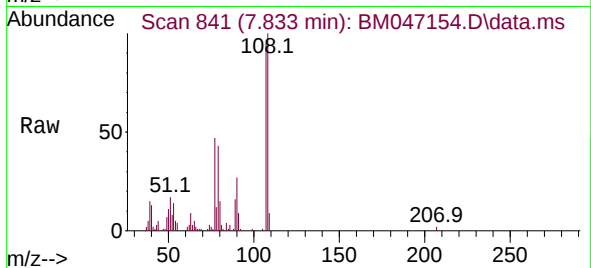




#17
2-Methylphenol
Concen: 3.955 ng
RT: 7.833 min Scan# 841
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

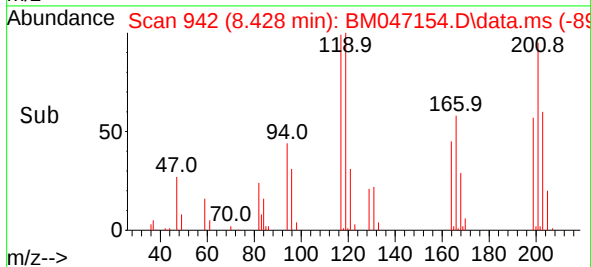
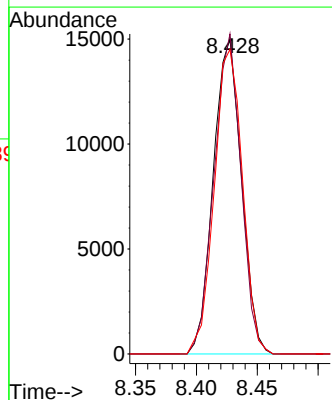
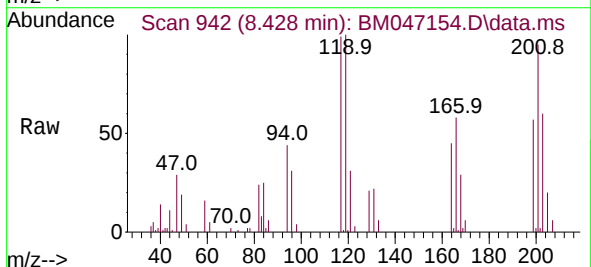
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

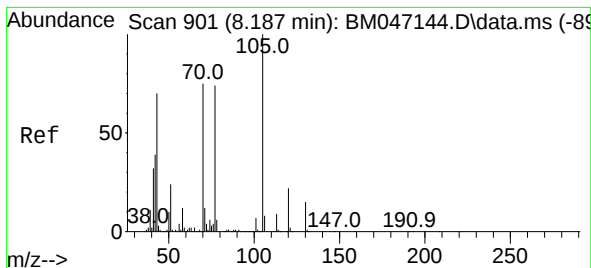
Tgt Ion:	107	Resp:	45328
Ion	Ratio	Lower	Upper
107	100		
108	105.4	90.6	135.8
77	49.3	39.3	58.9
79	45.6	38.6	58.0



#18
Hexachloroethane
Concen: 3.802 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:	117	Resp:	24153
Ion	Ratio	Lower	Upper
117	100		
119	101.5	77.0	115.4
201	98.3	81.3	121.9





#19

n-Nitroso-di-n-propylamine

Concen: 4.317 ng

RT: 8.181 min Scan# 901

Delta R.T. -0.006 min

Lab File: BM047154.D

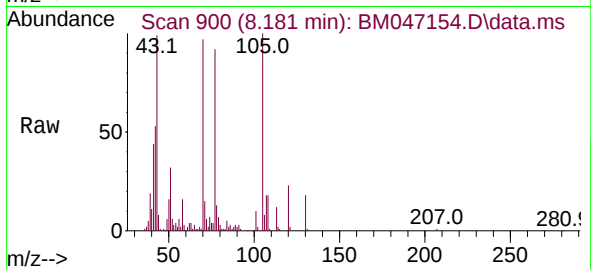
Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 70 Resp: 50074

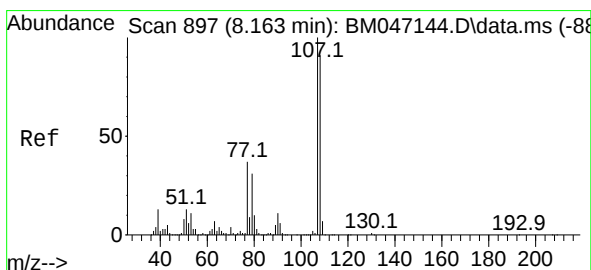
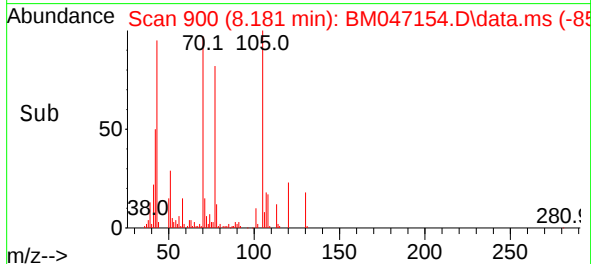
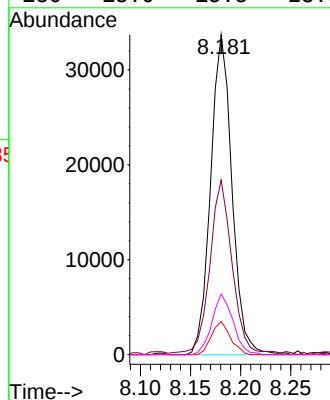
Ion Ratio Lower Upper

70 100

42 54.5 42.0 63.0

101 10.3 7.2 10.8

130 18.9 15.5 23.3



#20

3+4-Methylphenols

Concen: 3.770 ng

RT: 8.157 min Scan# 896

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Tgt Ion:107 Resp: 60417

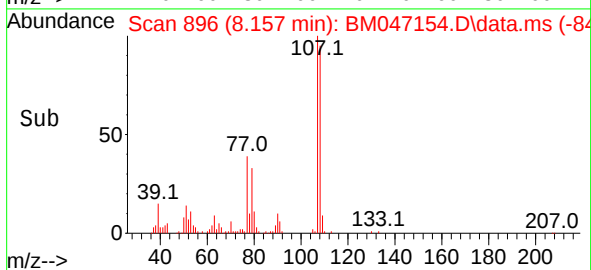
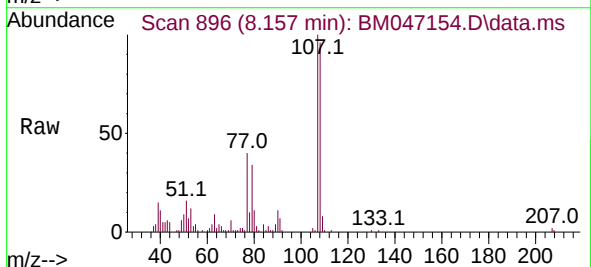
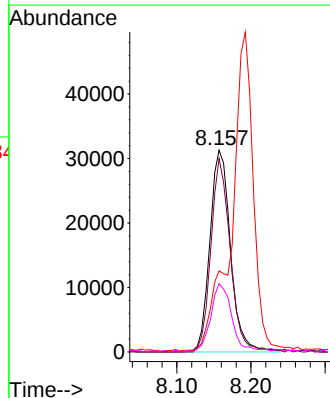
Ion Ratio Lower Upper

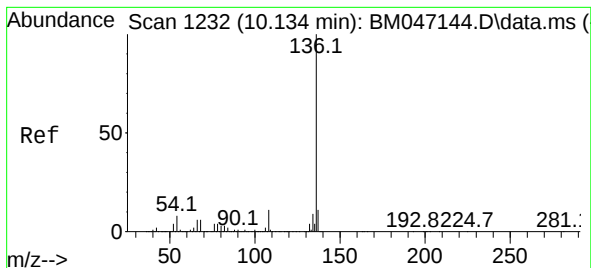
107 100

108 95.9 70.7 110.7

77 40.2 17.4 57.4

79 33.8 10.9 50.9

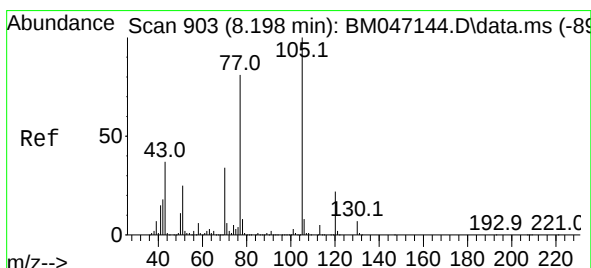
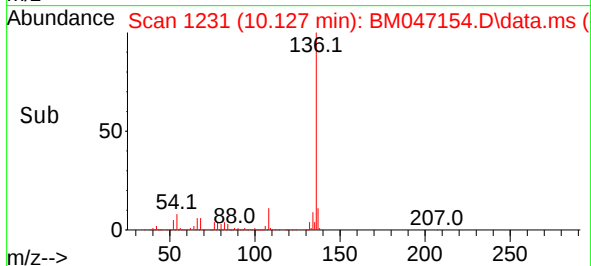
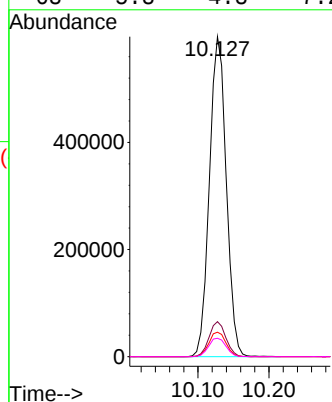
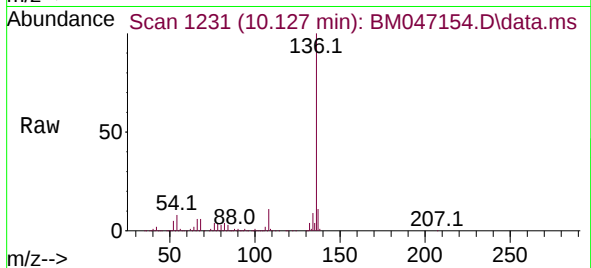




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.127 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

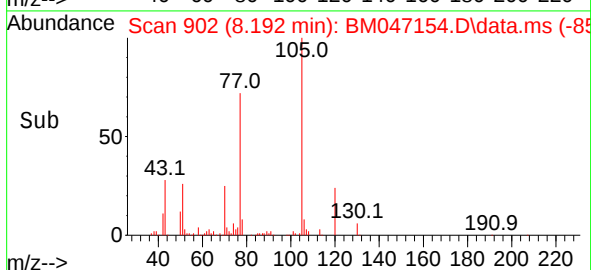
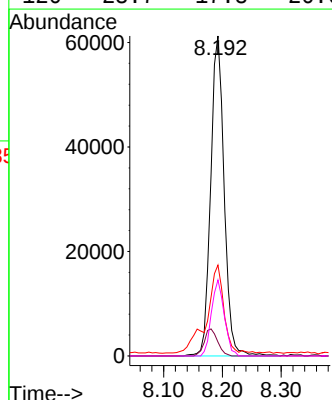
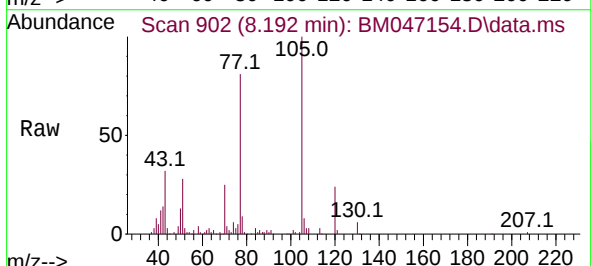
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

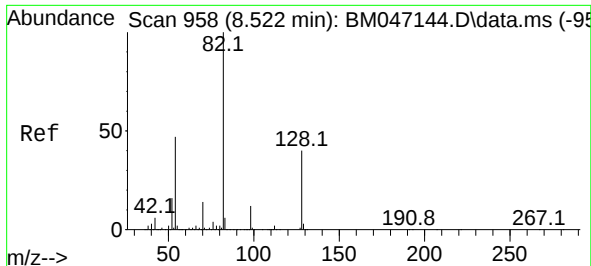
Tgt Ion:	136	Resp:	984044
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.6	6.0	9.0
68	5.8	4.8	7.2



#22
Acetophenone
Concen: 4.109 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:	105	Resp:	97593
Ion Ratio	Lower	Upper	
105	100		
71	4.4	4.5	6.7#
51	28.4	20.1	30.1
120	23.7	17.8	26.6





#23

Nitrobenzene-d5

Concen: 76.992 ng

RT: 8.522 min Scan# 958

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

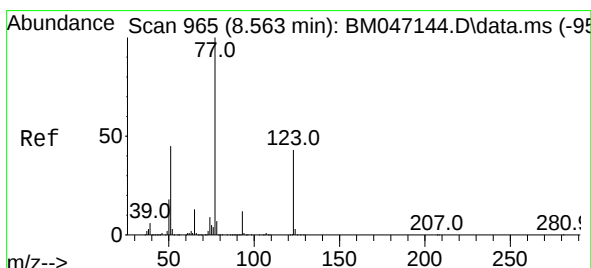
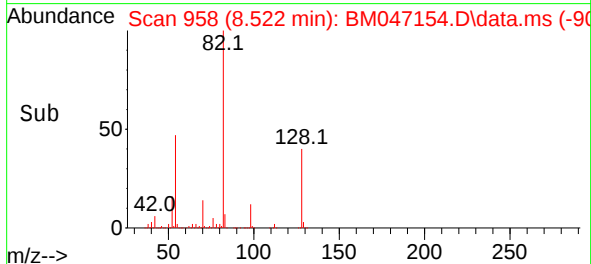
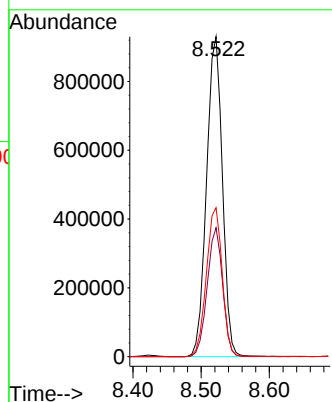
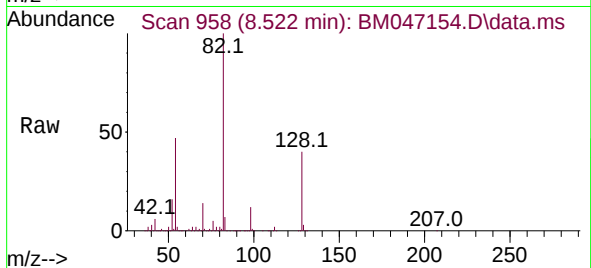
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 82 Resp: 1504642

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.3	48.5
54	46.5	37.4	56.2



#24

Nitrobenzene

Concen: 4.078 ng

RT: 8.563 min Scan# 965

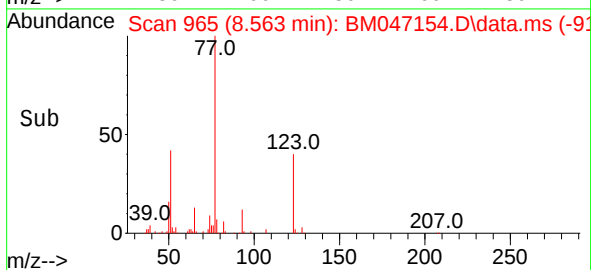
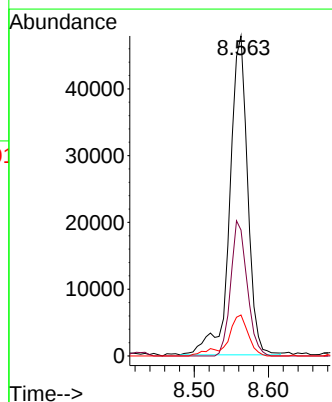
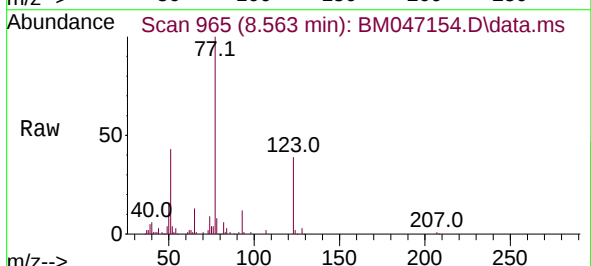
Delta R.T. -0.000 min

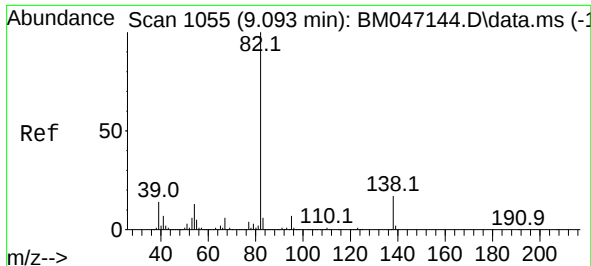
Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Tgt Ion: 77 Resp: 80250

Ion	Ratio	Lower	Upper
77	100		
123	39.3	34.0	51.0
65	12.8	10.5	15.7





#25

Isophorone

Concen: 3.841 ng

RT: 9.086 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

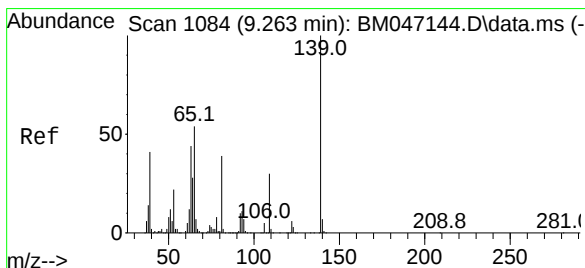
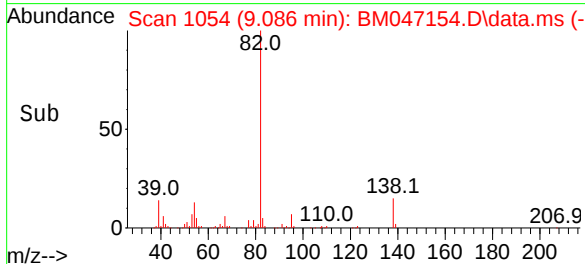
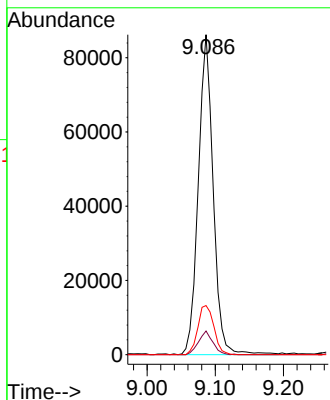
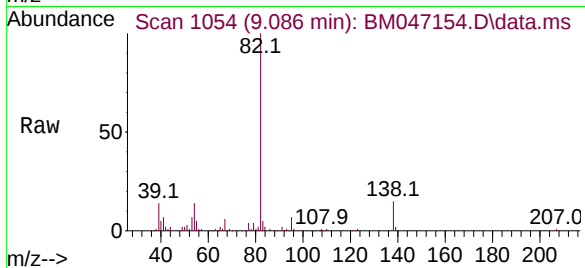
Tgt Ion: 82 Resp: 130689

Ion Ratio Lower Upper

82 100

95 7.4 5.5 8.3

138 15.4 13.5 20.3



#26

2-Nitrophenol

Concen: 3.033 ng

RT: 9.263 min Scan# 1084

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

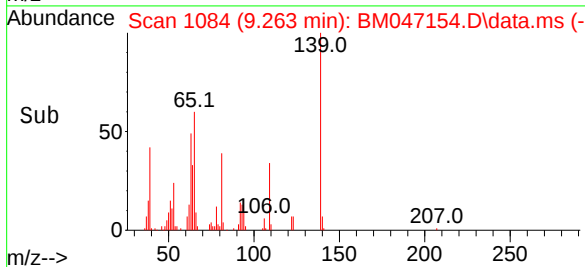
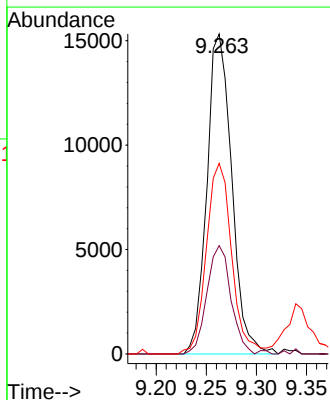
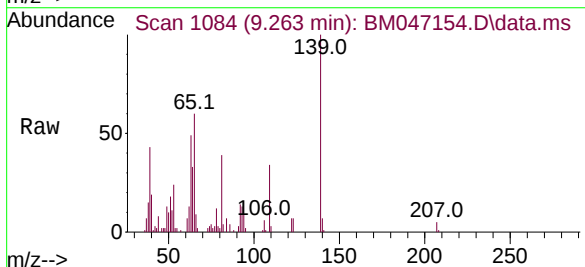
Tgt Ion:139 Resp: 26436

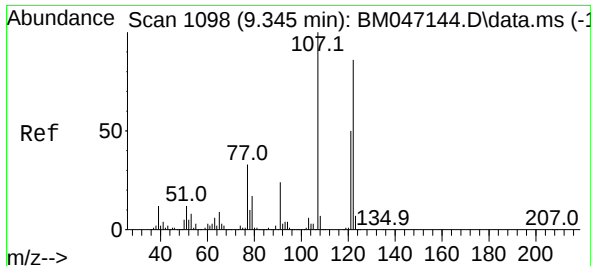
Ion Ratio Lower Upper

139 100

109 33.9 24.4 36.6

65 59.6 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 3.050 ng

RT: 9.345 min Scan# 1109

Delta R.T. -0.000 min

Lab File: BM047154.D

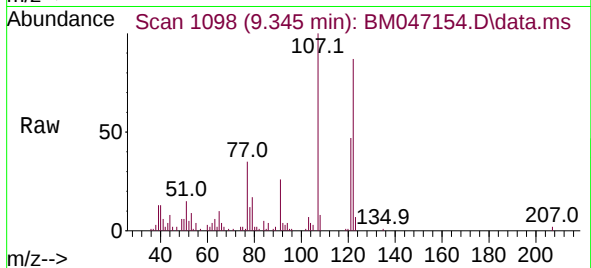
Acq: 12 Aug 2024 13:05

Instrument :

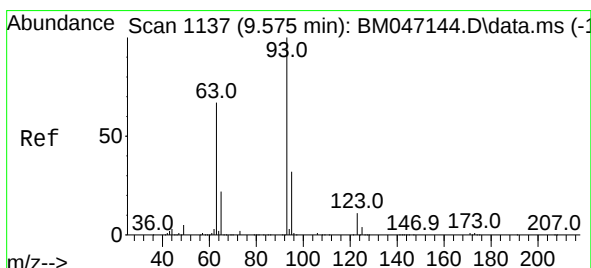
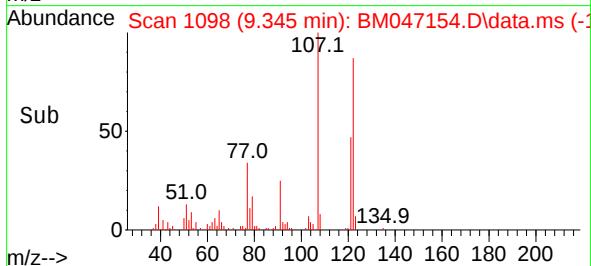
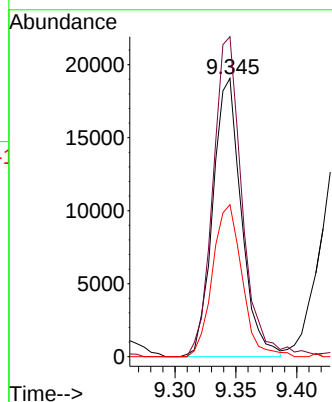
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:	122	Resp:	31137
Ion	Ratio	Lower	Upper
122	100		
107	115.0	92.8	139.2
121	54.6	46.1	69.1



#28

bis(2-Chloroethoxy)methane

Concen: 3.883 ng

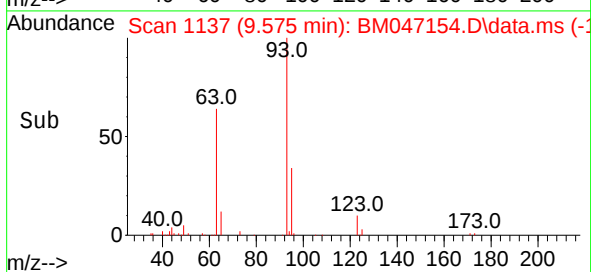
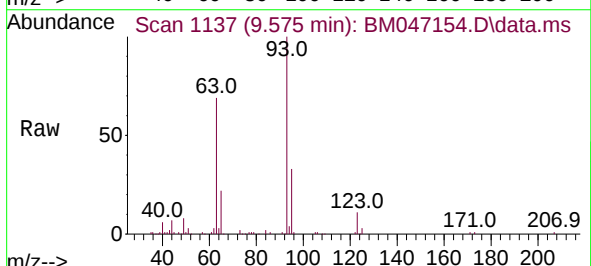
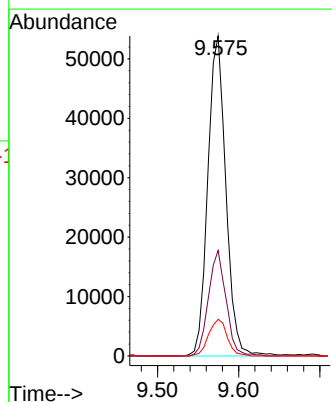
RT: 9.575 min Scan# 1137

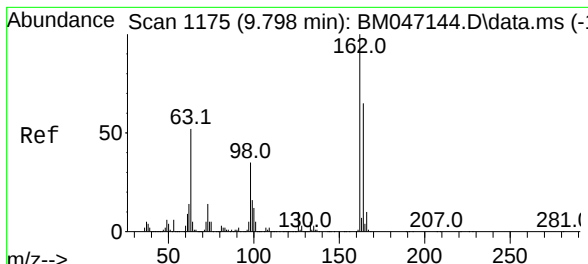
Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Tgt Ion:	93	Resp:	83137
Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.8
123	11.5	9.0	13.4

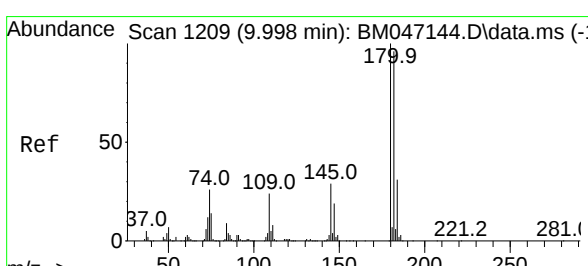
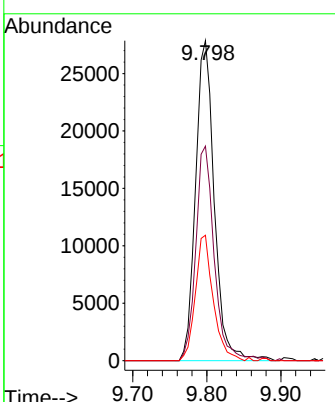
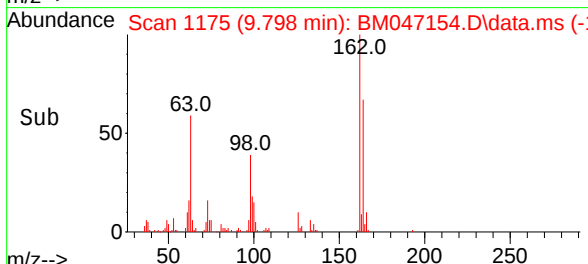
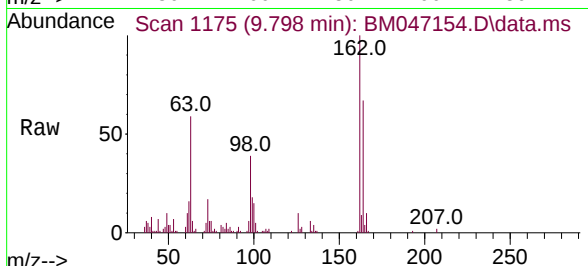




#29
 2,4-Dichlorophenol
 Concen: 3.232 ng
 RT: 9.798 min Scan# 1175
 Delta R.T. -0.000 min
 Lab File: BM047154.D
 Acq: 12 Aug 2024 13:05

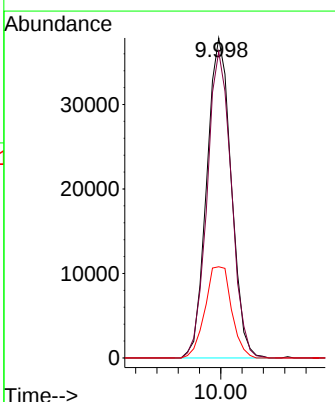
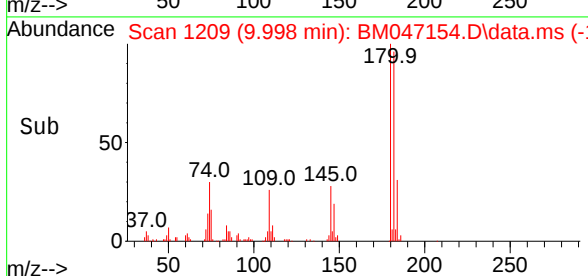
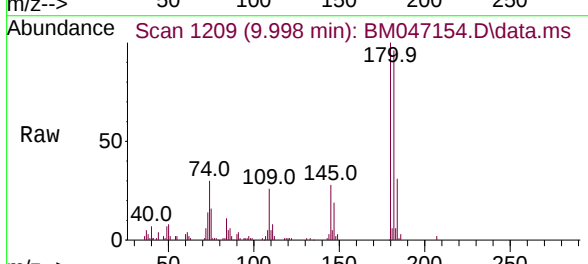
Instrument : BNA_M
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

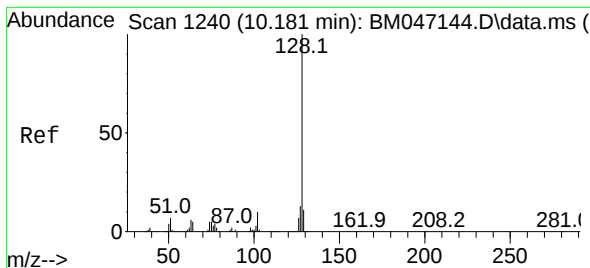
Tgt Ion:	162	Resp:	48961
Ion Ratio	Lower	Upper	
162	100		
164	67.0	44.7	84.7
98	39.2	14.9	54.9



#30
 1,2,4-Trichlorobenzene
 Concen: 3.519 ng
 RT: 9.998 min Scan# 1209
 Delta R.T. -0.000 min
 Lab File: BM047154.D
 Acq: 12 Aug 2024 13:05

Tgt Ion:	180	Resp:	60316
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.6	115.0
145	28.5	23.4	35.2





#31

Naphthalene

Concen: 3.886 ng

RT: 10.175 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

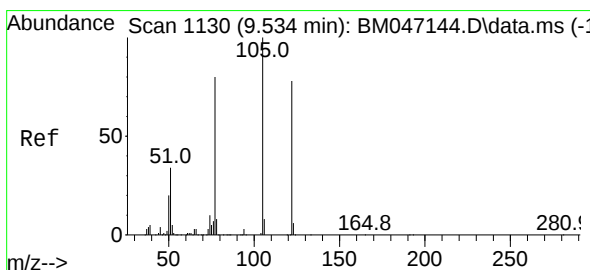
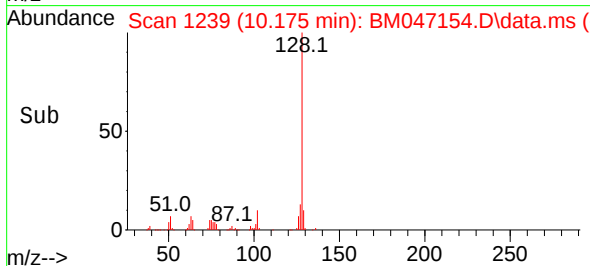
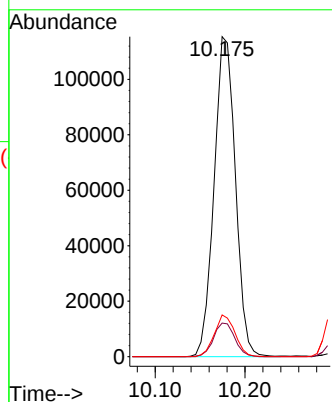
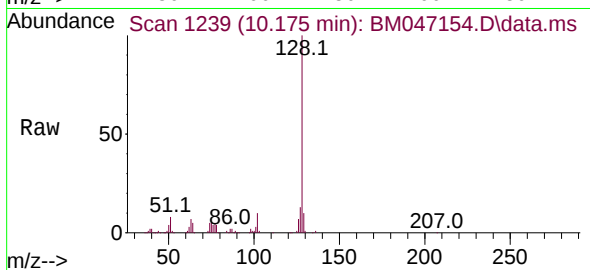
Tgt Ion:128 Resp: 190504

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 13.0 10.2 15.4



#32

Benzoic acid

Concen: 2.165 ng

RT: 9.433 min Scan# 1113

Delta R.T. -0.100 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

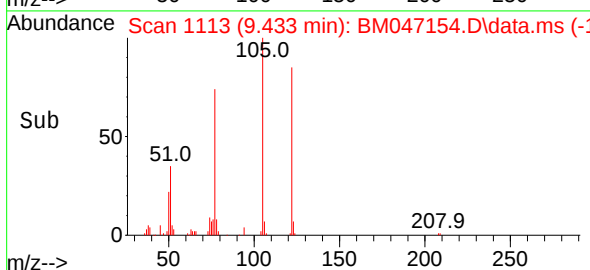
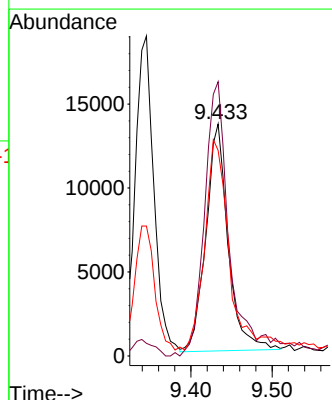
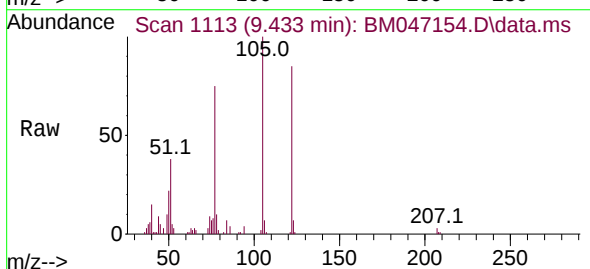
Tgt Ion:122 Resp: 25674

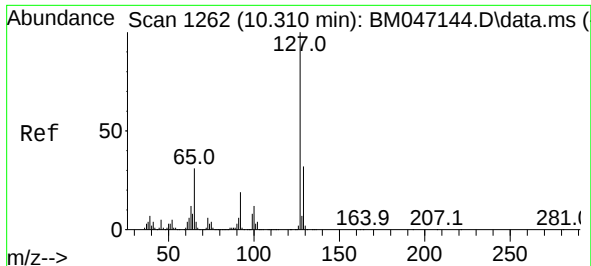
Ion Ratio Lower Upper

122 100

105 118.2 107.1 147.1

77 88.6 82.1 122.1





#33

4-Chloroaniline

Concen: 3.906 ng

RT: 10.310 min Scan# 1262

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:127 Resp: 73638

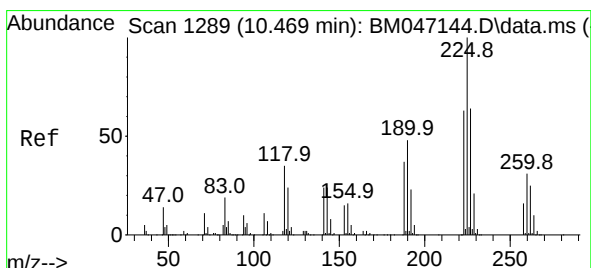
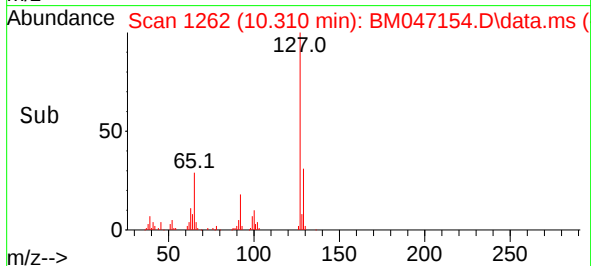
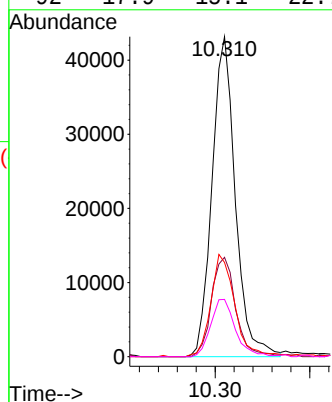
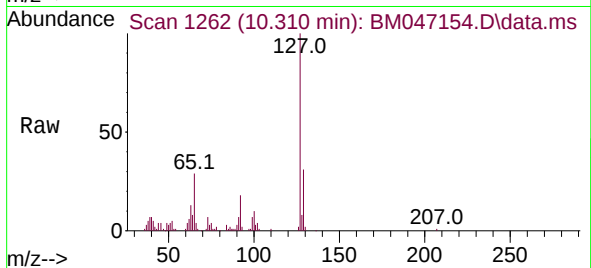
Ion Ratio Lower Upper

127 100

129 31.1 25.8 38.8

65 29.5 24.9 37.3

92 17.9 15.1 22.7



#34

Hexachlorobutadiene

Concen: 3.323 ng

RT: 10.463 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

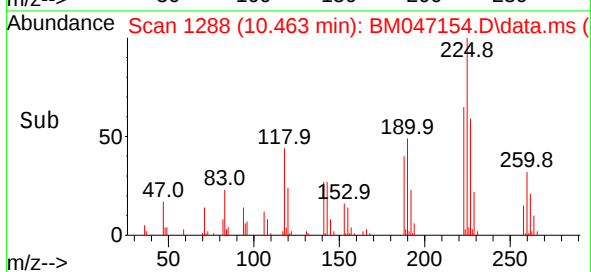
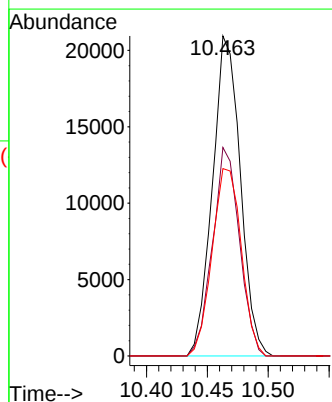
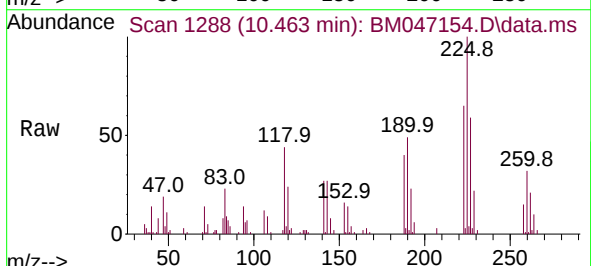
Tgt Ion:225 Resp: 33340

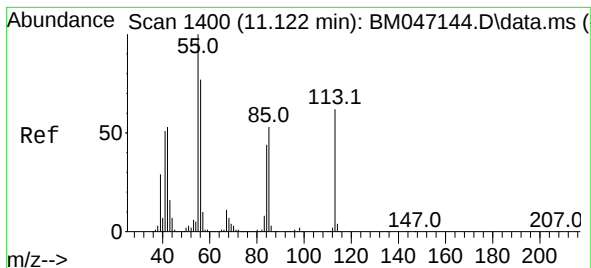
Ion Ratio Lower Upper

225 100

223 68.1 50.2 75.2

227 58.6 51.4 77.0

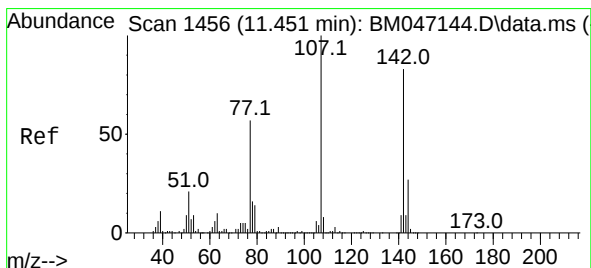
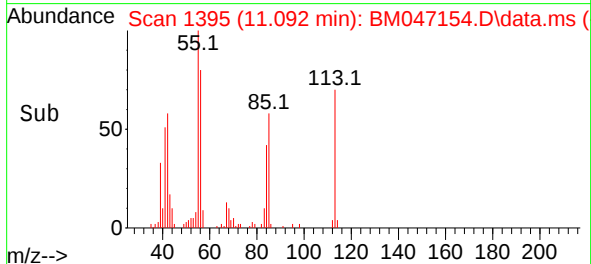
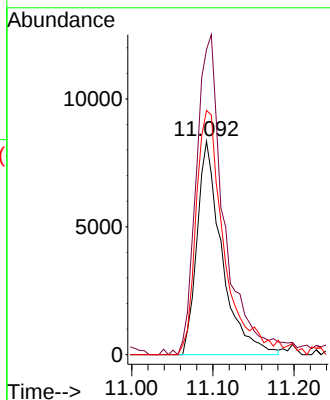
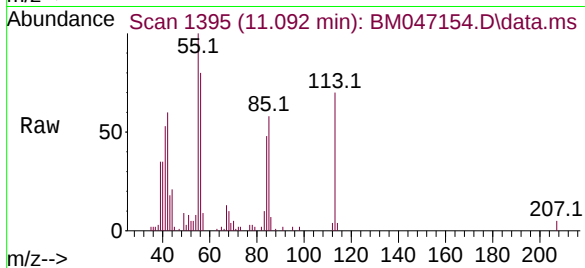




#35
Caprolactam
Concen: 3.381 ng
RT: 11.092 min Scan# 1400
Delta R.T. -0.030 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

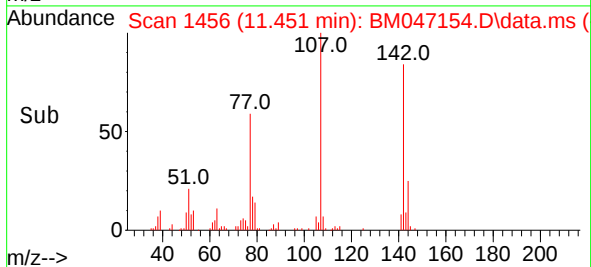
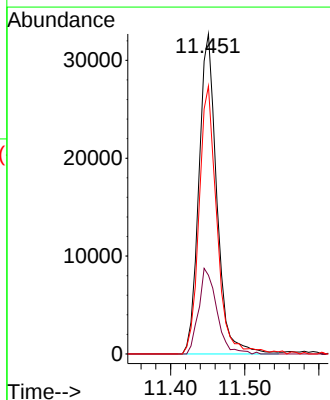
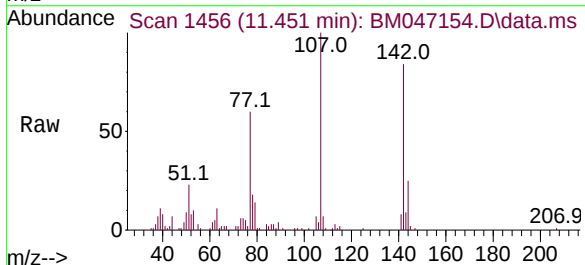
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

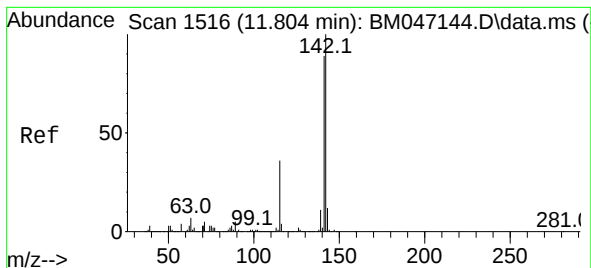
Tgt Ion:113 Resp: 17784
Ion Ratio Lower Upper
113 100
55 142.9 140.5 180.5
56 114.4 103.6 143.6



#36
4-Chloro-3-methylphenol
Concen: 3.402 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:107 Resp: 54878
Ion Ratio Lower Upper
107 100
144 24.6 21.8 32.6
142 83.7 66.8 100.2

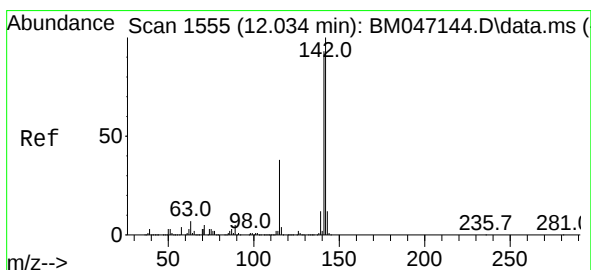
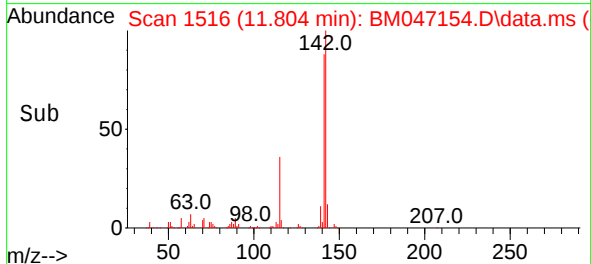
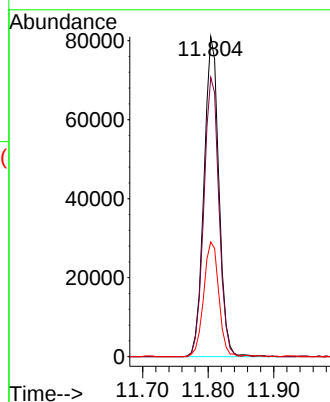
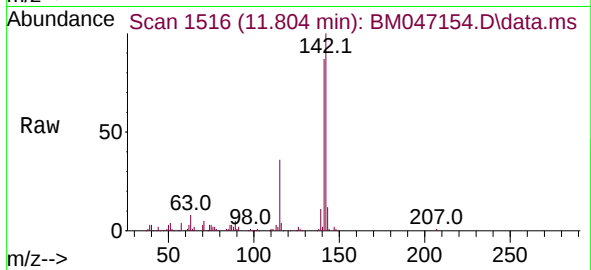




#37
2-Methylnaphthalene
Concen: 3.676 ng
RT: 11.804 min Scan# 1516
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

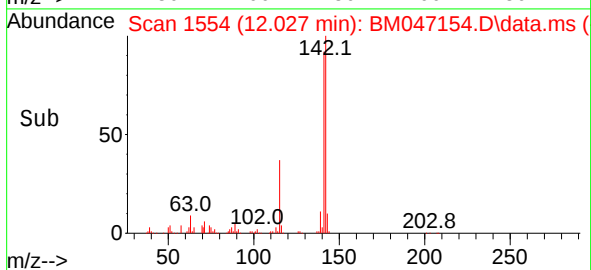
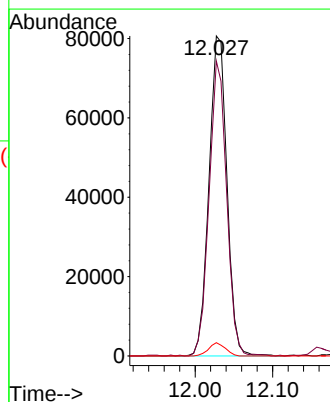
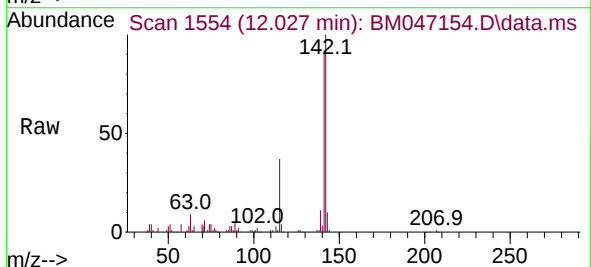
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

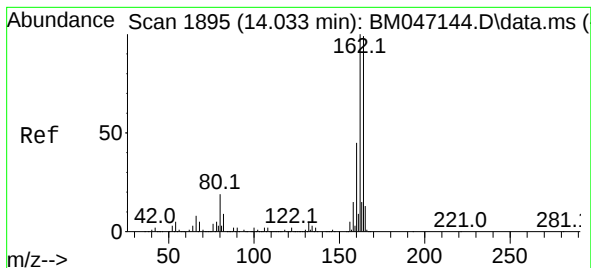
Tgt Ion:142 Resp: 128319
Ion Ratio Lower Upper
142 100
141 87.3 70.9 106.3
115 35.9 28.7 43.1



#38
1-Methylnaphthalene
Concen: 3.757 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:142 Resp: 129616
Ion Ratio Lower Upper
142 100
141 92.1 74.6 111.8
116 4.2 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.033 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047154.D

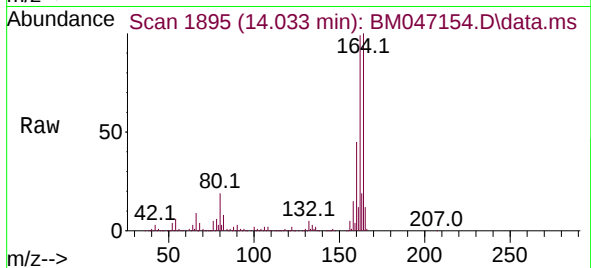
Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



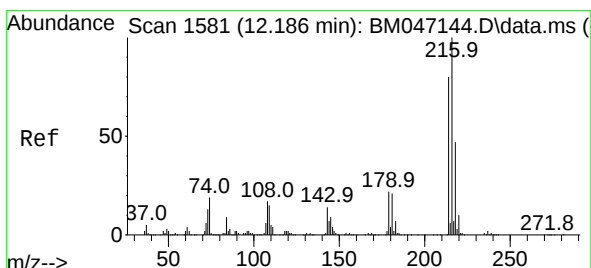
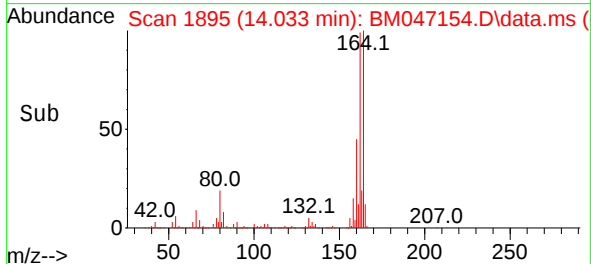
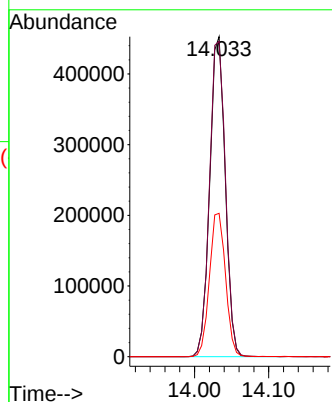
Tgt Ion:164 Resp: 657208

Ion Ratio Lower Upper

164 100

162 98.6 80.7 121.1

160 44.8 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.570 ng

RT: 12.186 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Tgt Ion:216 Resp: 63989

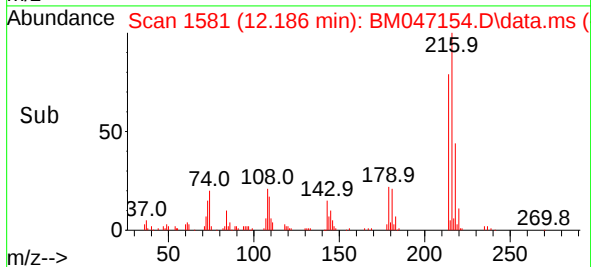
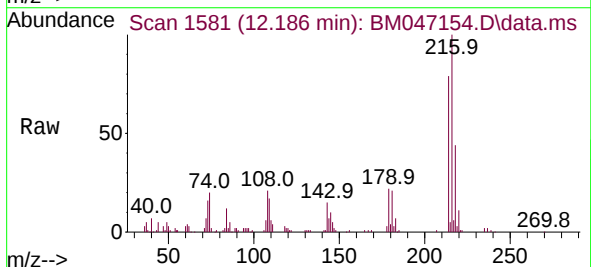
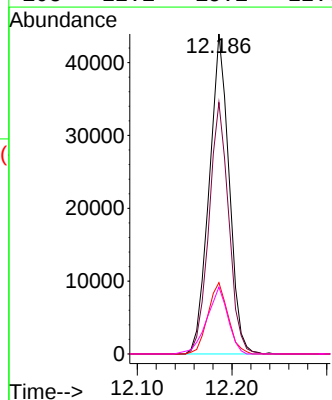
Ion Ratio Lower Upper

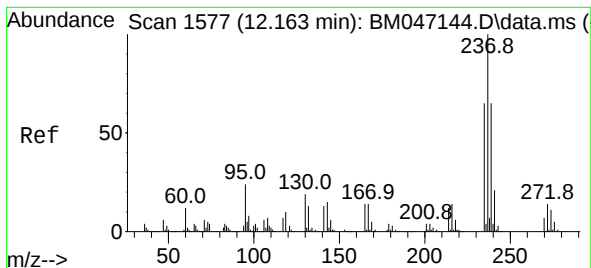
216 100

214 77.7 63.4 95.2

179 22.5 17.6 26.4

108 22.1 15.1 22.7





#41

Hexachlorocyclopentadiene

Concen: 3.576 ng

RT: 12.163 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

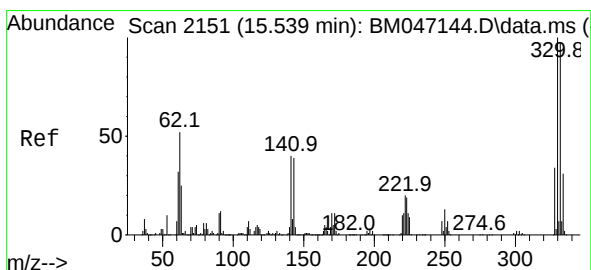
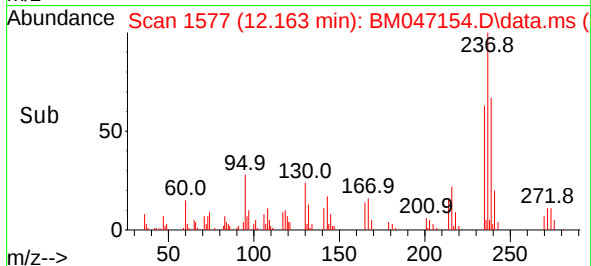
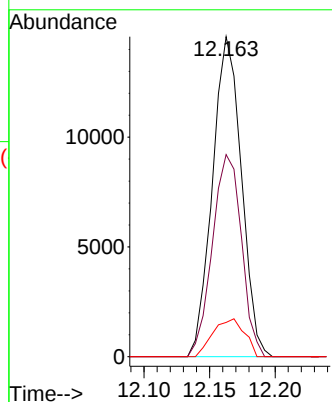
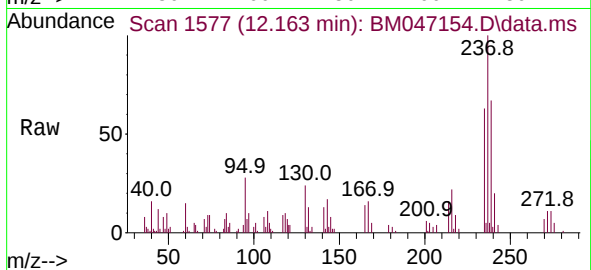
Tgt Ion:237 Resp: 22382

Ion Ratio Lower Upper

237 100

235 63.2 44.8 84.8

272 10.7 0.0 33.5



#42

2,4,6-Tribromophenol

Concen: 134.839 ng

RT: 15.539 min Scan# 2151

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

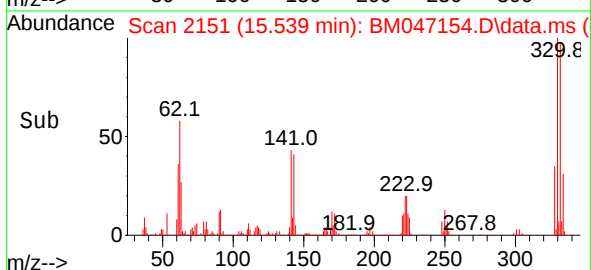
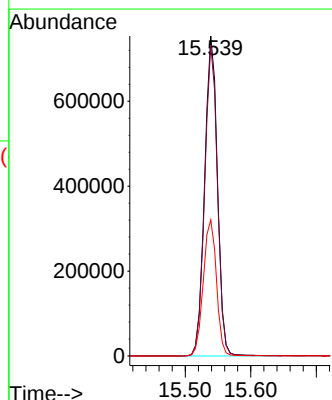
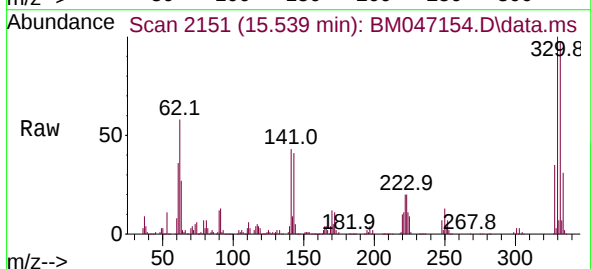
Tgt Ion:330 Resp: 1027530

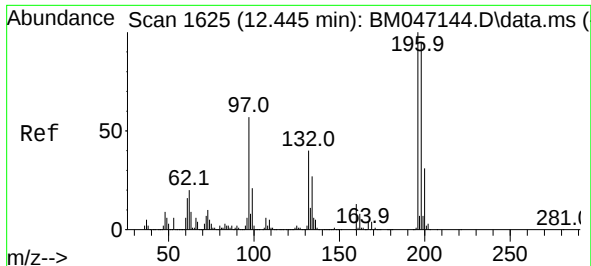
Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

141 43.6 31.6 47.4





#43

2,4,6-Trichlorophenol

Concen: 3.136 ng

RT: 12.445 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047154.D

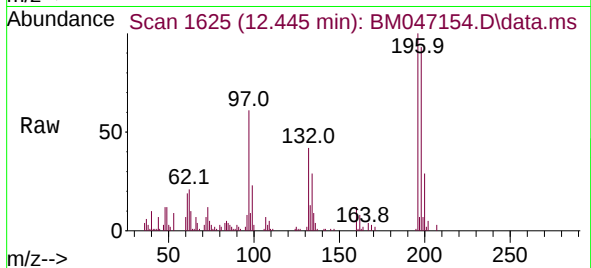
Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



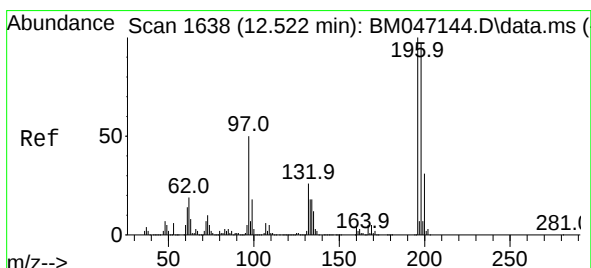
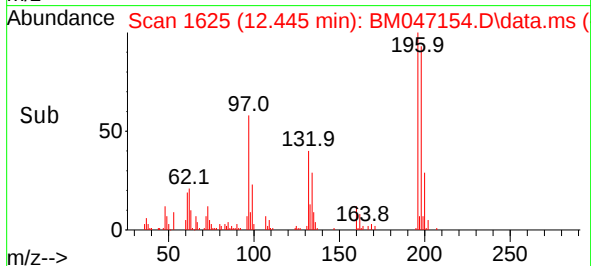
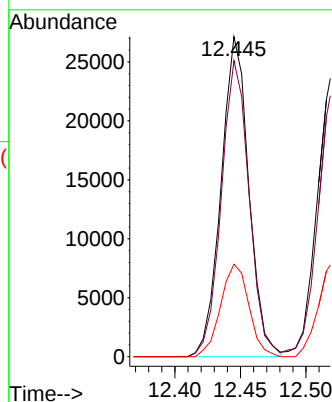
Tgt Ion:196 Resp: 39953

Ion Ratio Lower Upper

196 100

198 92.5 75.6 113.4

200 28.9 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 3.163 ng

RT: 12.521 min Scan# 1638

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Tgt Ion:196 Resp: 44742

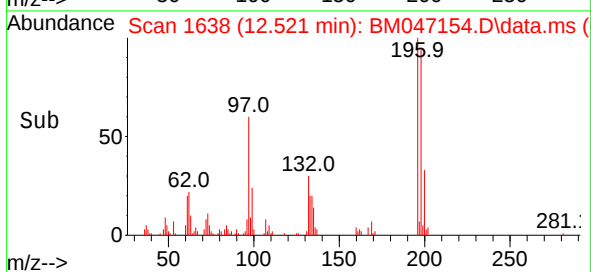
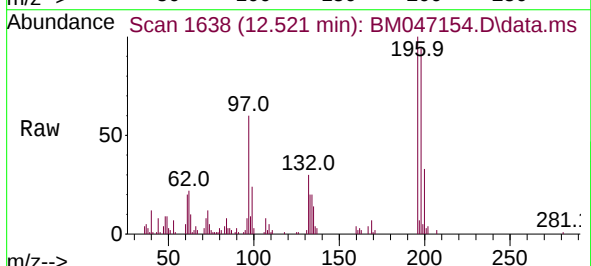
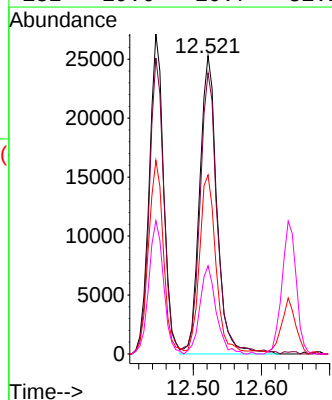
Ion Ratio Lower Upper

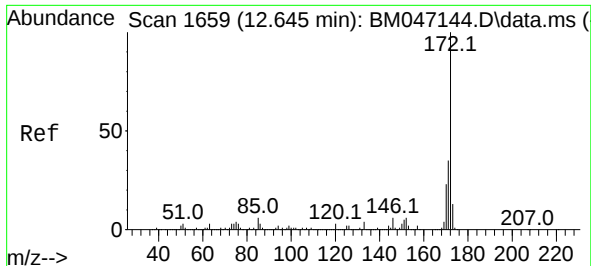
196 100

198 94.2 77.7 116.5

97 60.0 39.8 59.8#

132 29.6 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 74.450 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

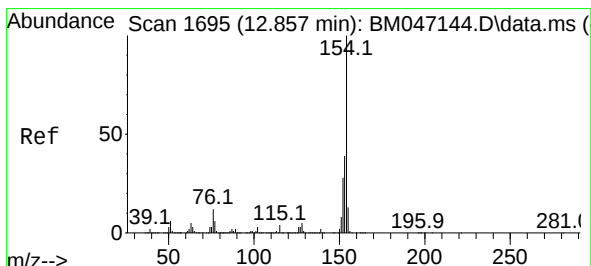
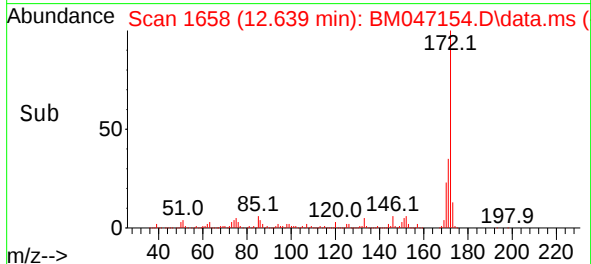
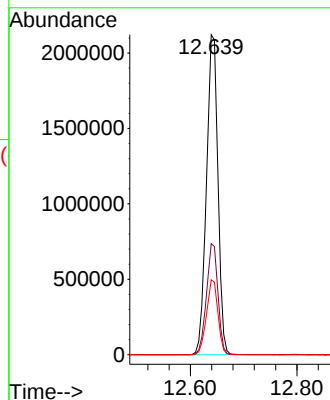
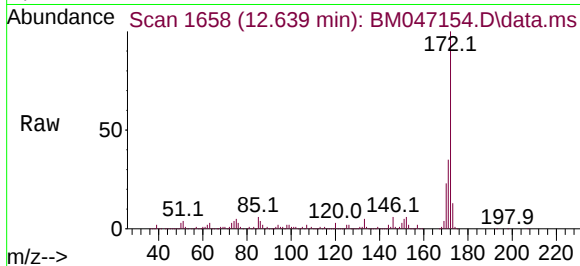
Tgt Ion:172 Resp: 3172007

Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 3.879 ng

RT: 12.851 min Scan# 1694

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

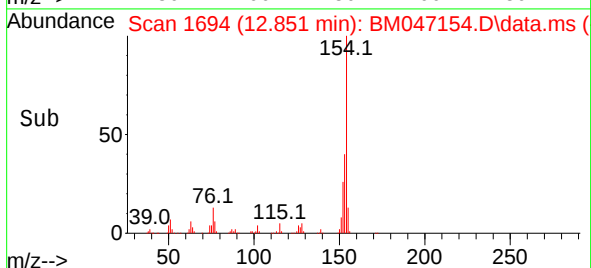
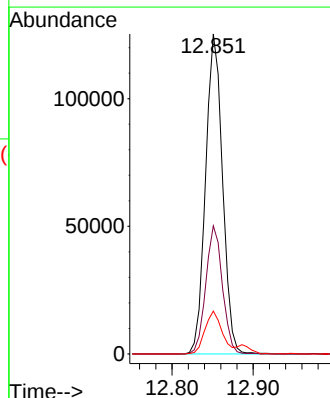
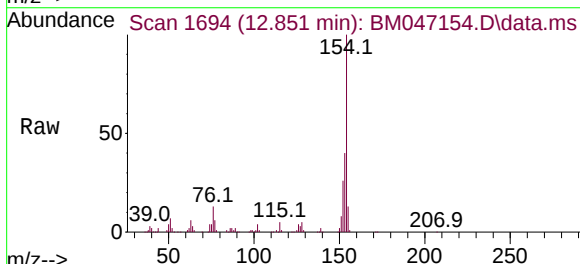
Tgt Ion:154 Resp: 181499

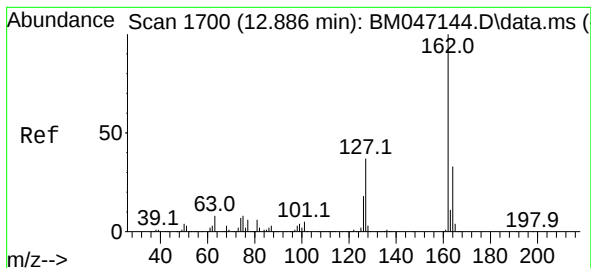
Ion Ratio Lower Upper

154 100

153 40.0 19.0 59.0

76 13.4 0.0 31.9





#47

2-Chloronaphthalene

Concen: 3.853 ng

RT: 12.886 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

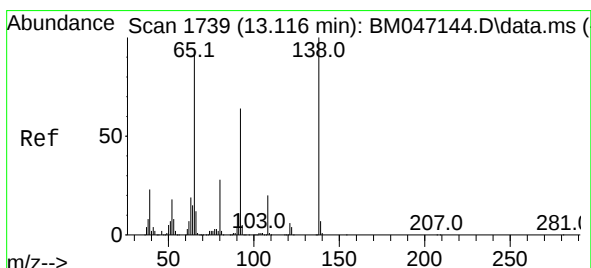
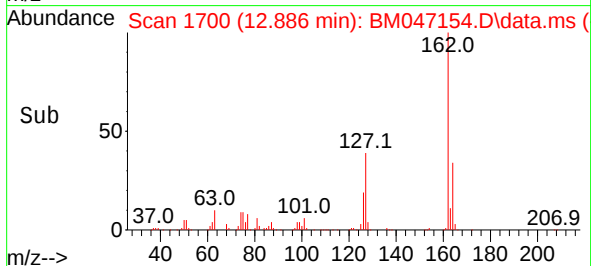
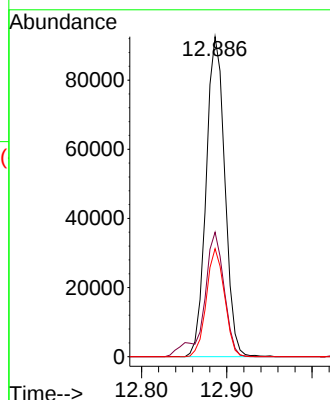
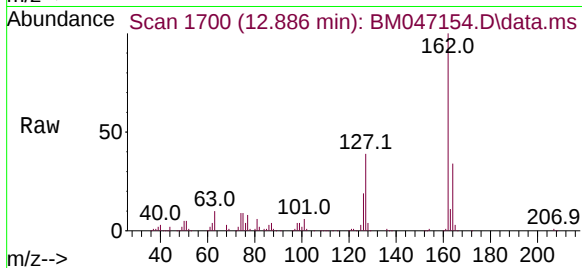
Tgt Ion:162 Resp: 140909

Ion Ratio Lower Upper

162 100

127 38.9 30.0 45.0

164 33.7 26.3 39.5



#48

2-Nitroaniline

Concen: 3.429 ng

RT: 13.110 min Scan# 1738

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

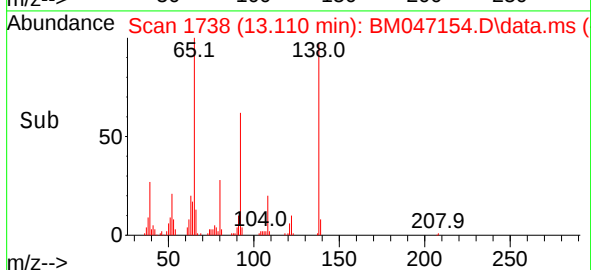
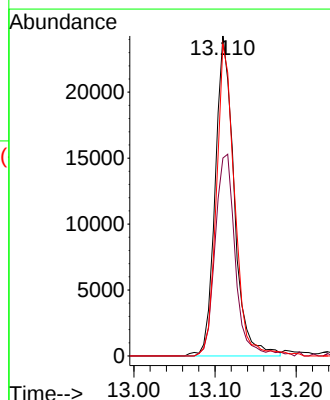
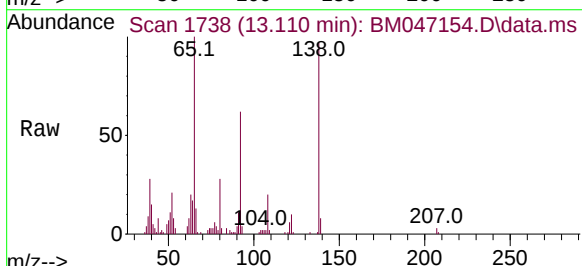
Tgt Ion: 65 Resp: 39286

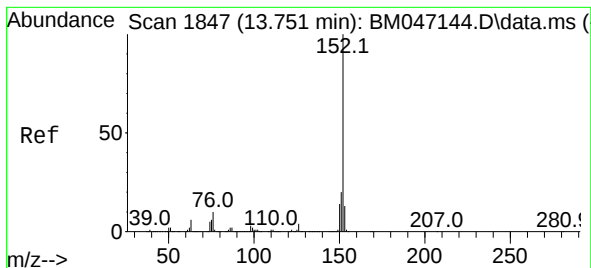
Ion Ratio Lower Upper

65 100

92 61.8 55.1 82.7

138 97.4 85.9 128.9





#49

Acenaphthylene

Concen: 4.129 ng

RT: 13.745 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BM047154.D

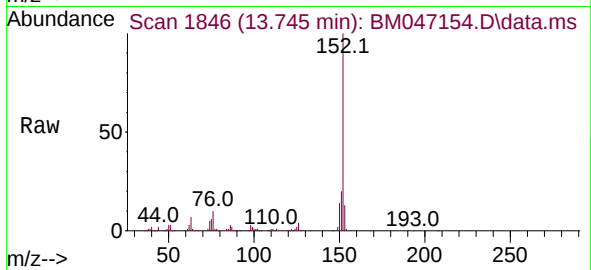
Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



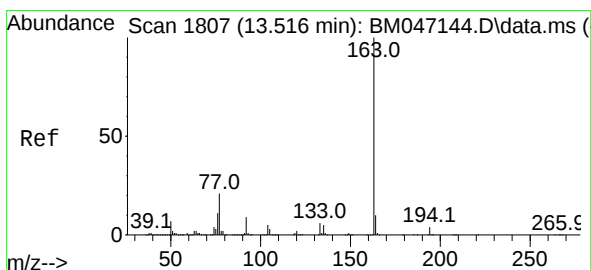
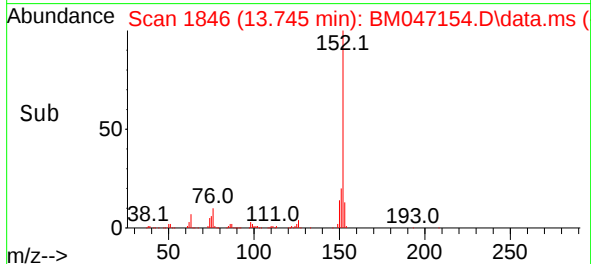
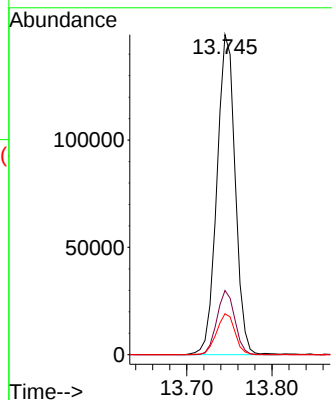
Tgt Ion:152 Resp: 222582

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

153 12.8 10.4 15.6



#50

Dimethylphthalate

Concen: 3.887 ng

RT: 13.510 min Scan# 1806

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

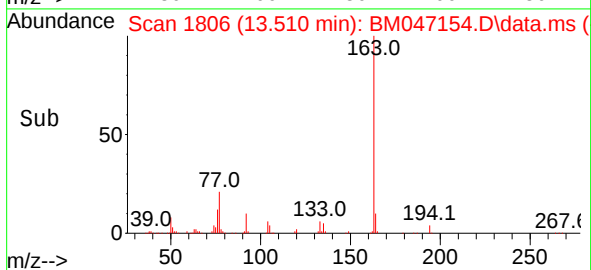
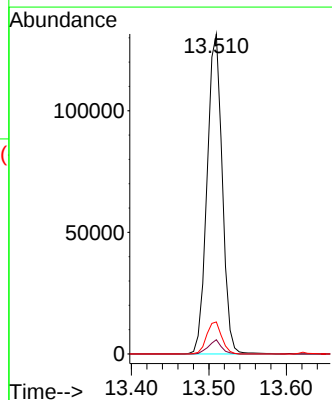
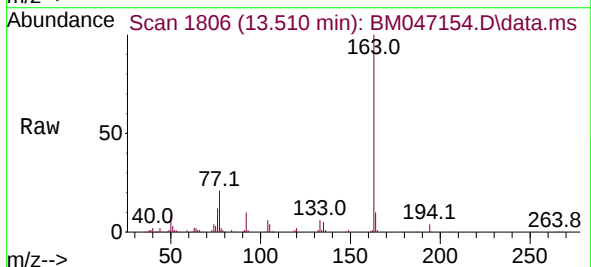
Tgt Ion:163 Resp: 178420

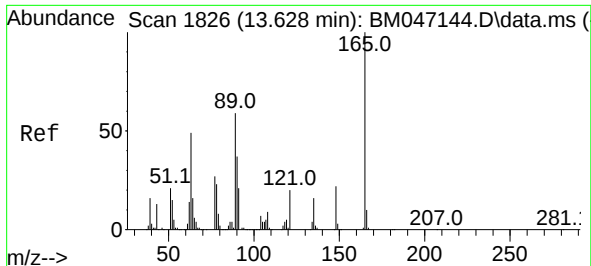
Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.6

164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 3.168 ng

RT: 13.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

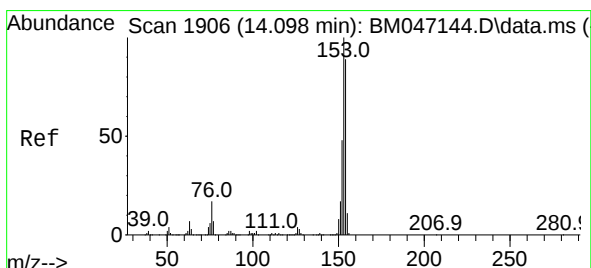
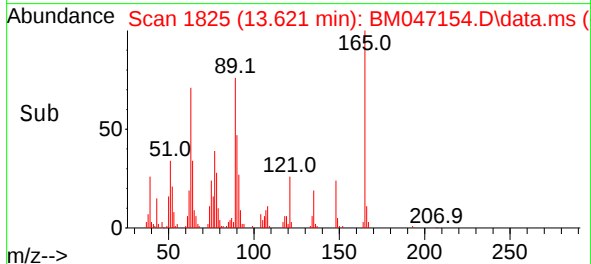
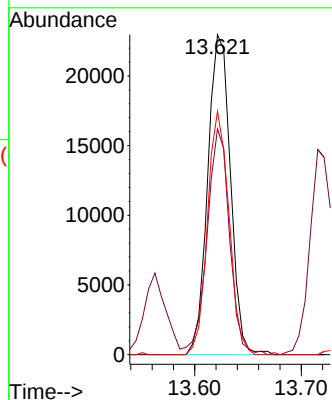
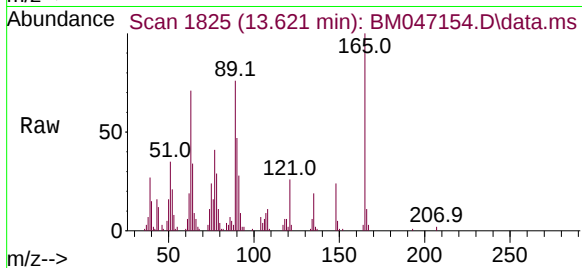
Tgt Ion:165 Resp: 33992

Ion Ratio Lower Upper

165 100

63 70.5 46.5 69.7#

89 76.1 47.3 70.9#



#52

Acenaphthene

Concen: 3.959 ng

RT: 14.098 min Scan# 1906

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

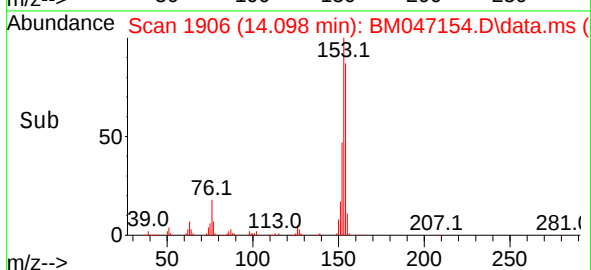
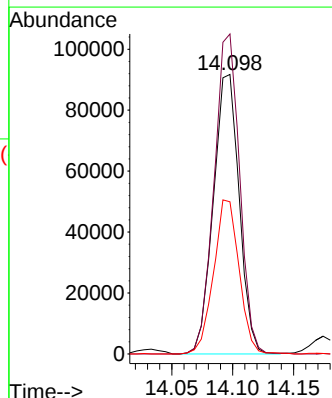
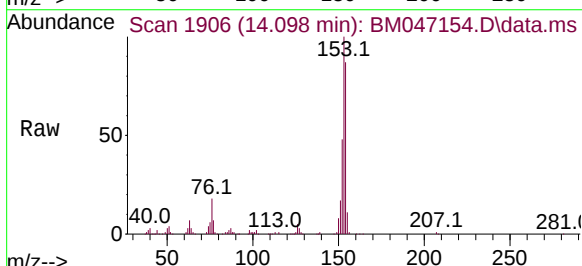
Tgt Ion:154 Resp: 135376

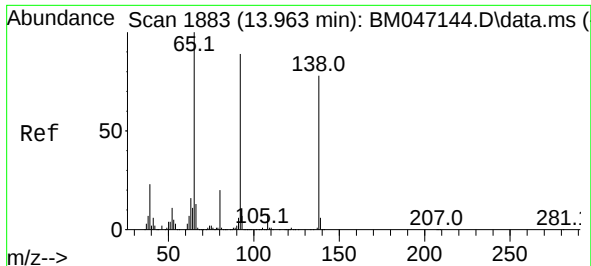
Ion Ratio Lower Upper

154 100

153 114.5 90.3 135.5

152 54.4 42.9 64.3

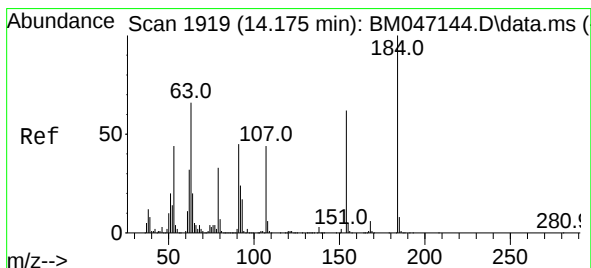
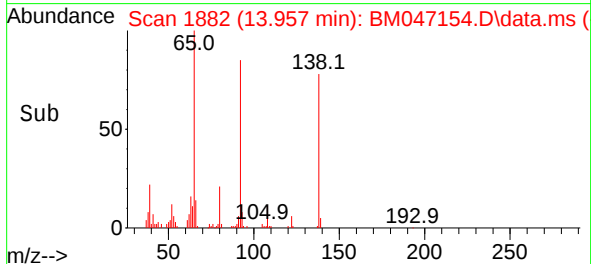
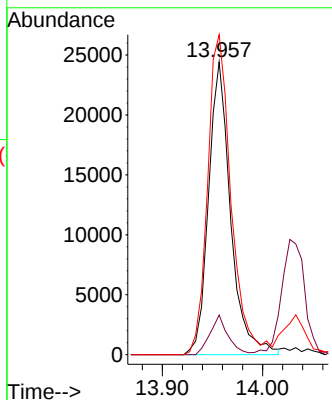
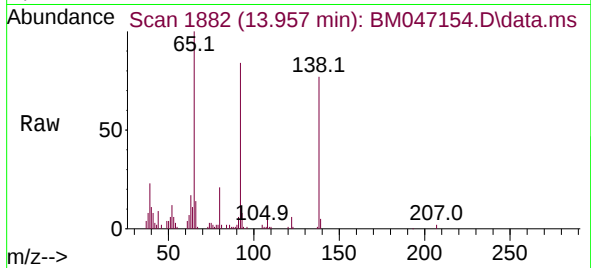




#53
3-Nitroaniline
Concen: 3.481 ng
RT: 13.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

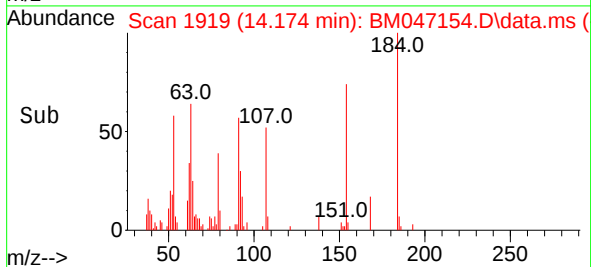
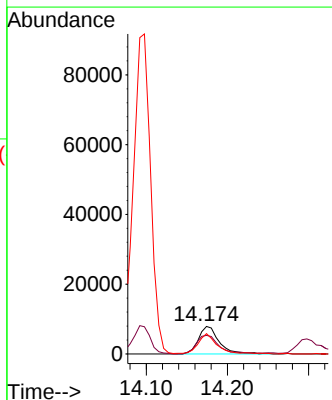
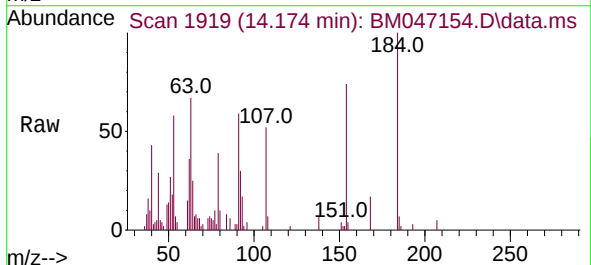
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

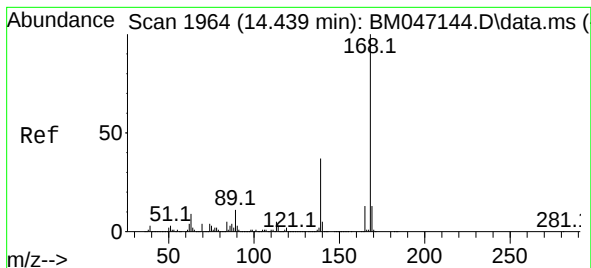
Tgt Ion:138 Resp: 37430
Ion Ratio Lower Upper
138 100
108 13.6 7.9 11.9#
92 109.3 92.0 138.0



#54
2,4-Dinitrophenol
Concen: 2.153 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:184 Resp: 13843
Ion Ratio Lower Upper
184 100
63 67.3 52.7 79.1
154 73.9 50.4 75.6





#55

Dibenzenofuran

Concen: 4.162 ng

RT: 14.439 min Scan# 1964

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

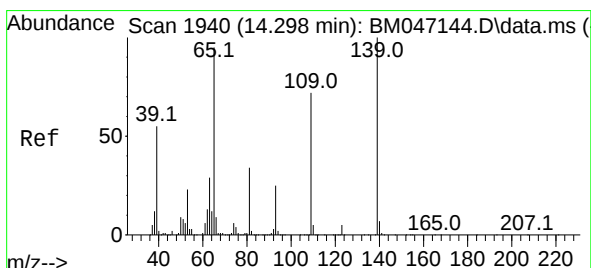
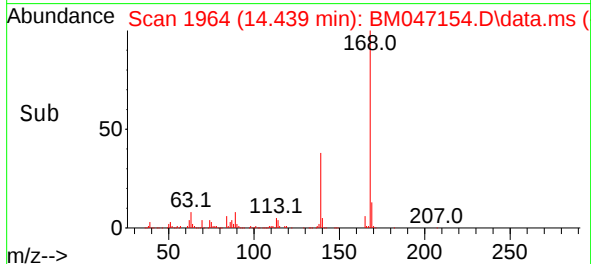
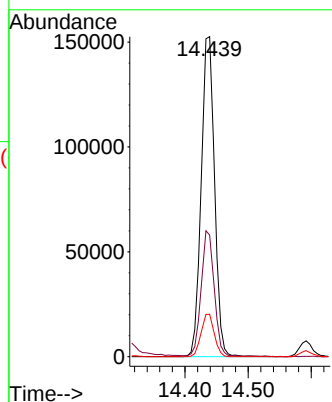
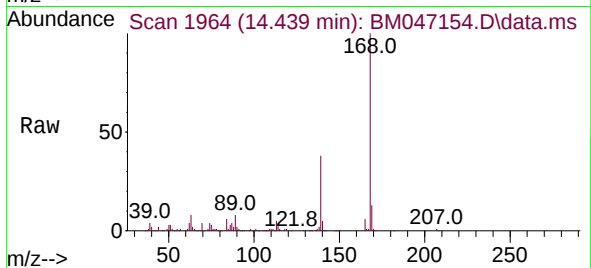
Tgt Ion:168 Resp: 224798

Ion Ratio Lower Upper

168 100

139 38.0 29.6 44.4

169 13.3 10.7 16.1



#56

4-Nitrophenol

Concen: 3.136 ng

RT: 14.298 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

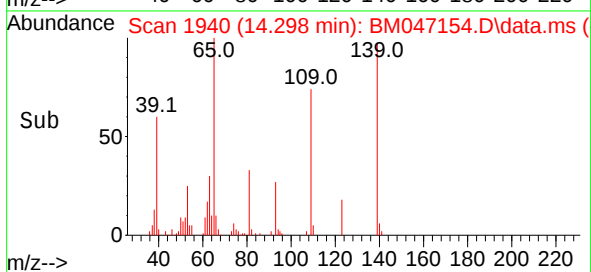
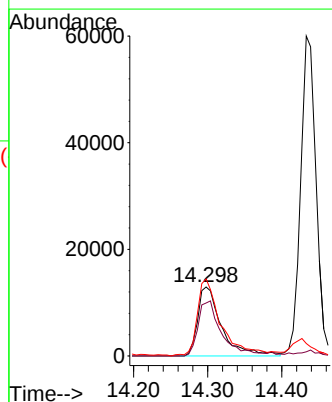
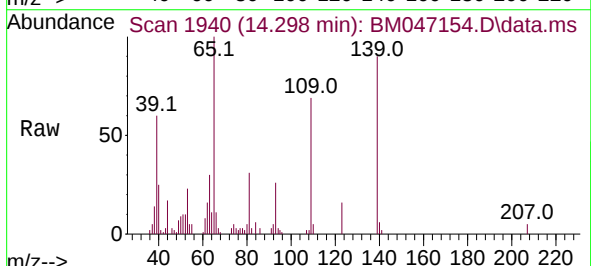
Tgt Ion:139 Resp: 29070

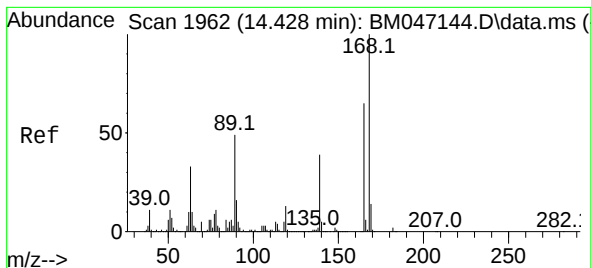
Ion Ratio Lower Upper

139 100

109 76.8 52.5 92.5

65 111.7 75.4 115.4

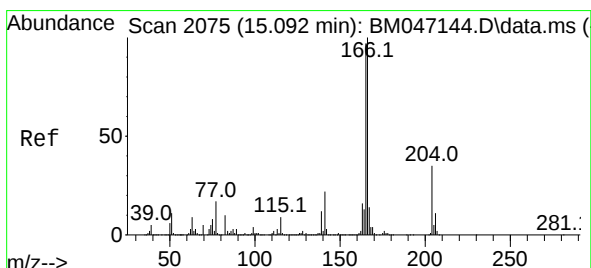
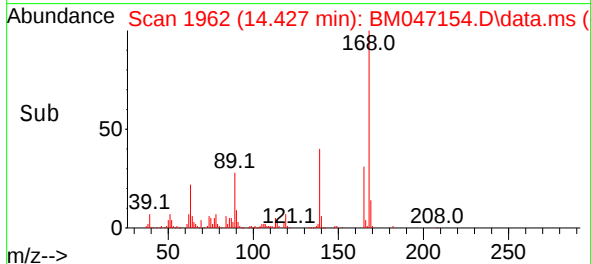
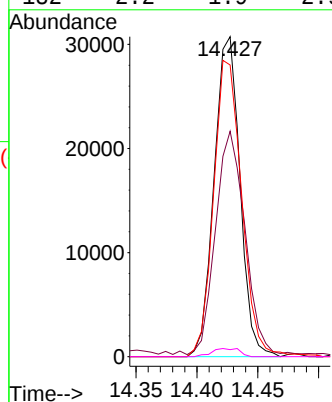
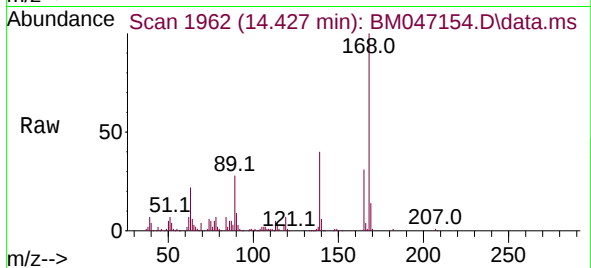




#57
2,4-Dinitrotoluene
Concen: 3.168 ng
RT: 14.427 min Scan# 1962
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

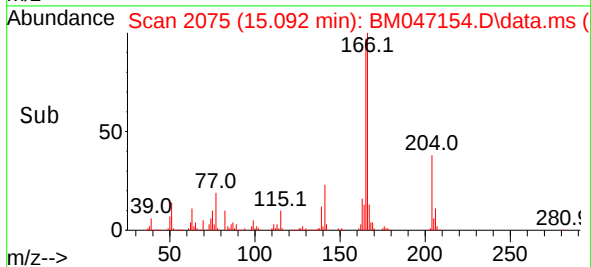
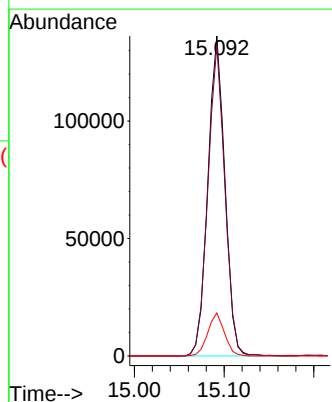
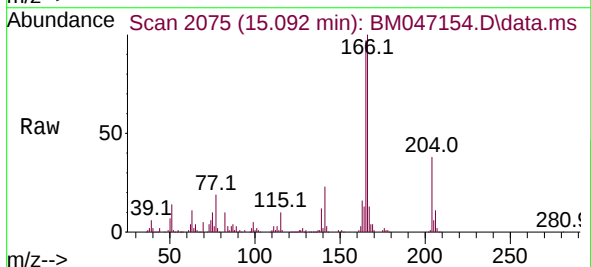
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

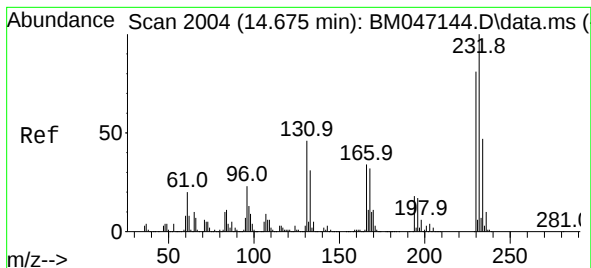
Tgt Ion:165 Resp: 45374
Ion Ratio Lower Upper
165 100
63 70.5 40.3 60.5#
89 91.1 61.0 91.6
182 2.2 1.9 2.9



#58
Fluorene
Concen: 4.028 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:166 Resp: 179514
Ion Ratio Lower Upper
166 100
165 97.0 77.4 116.0
167 13.5 11.0 16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.259 ng

RT: 14.592 min Scan# 1990

Delta R.T. -0.083 min

Lab File: BM047154.D

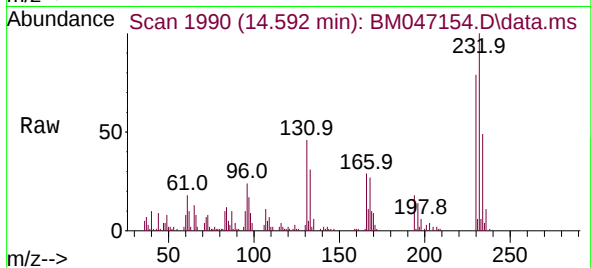
Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:232 Resp: 37894

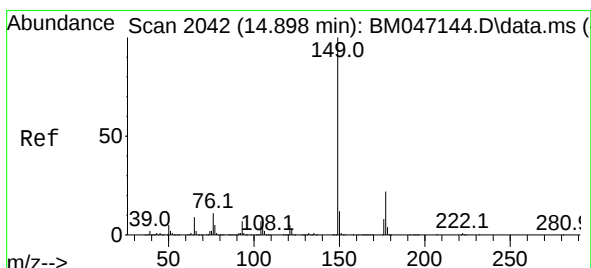
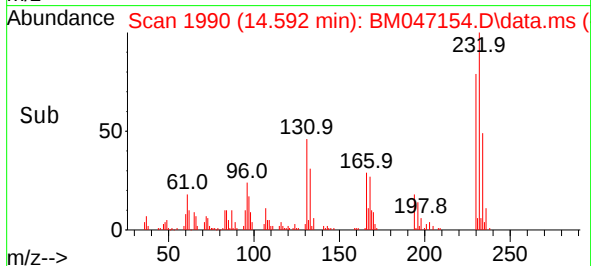
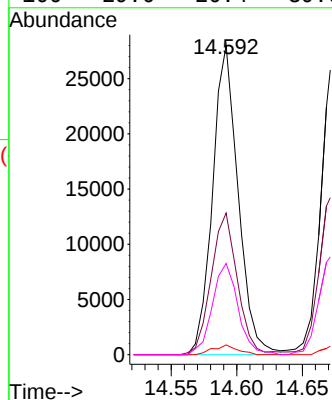
Ion Ratio Lower Upper

232 100

131 47.2 36.9 55.3

130 3.0 2.0 3.0

166 29.6 26.4 39.6



#60

Diethylphthalate

Concen: 3.857 ng

RT: 14.892 min Scan# 2041

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

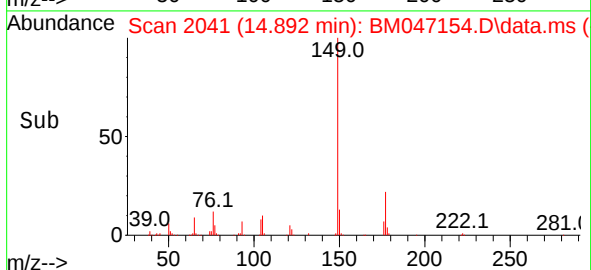
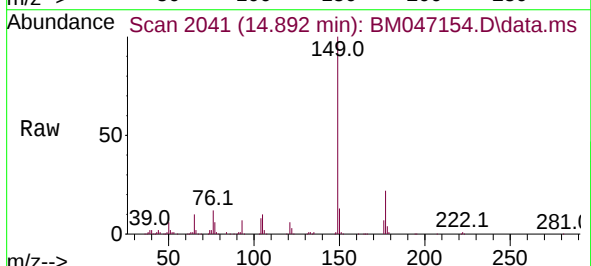
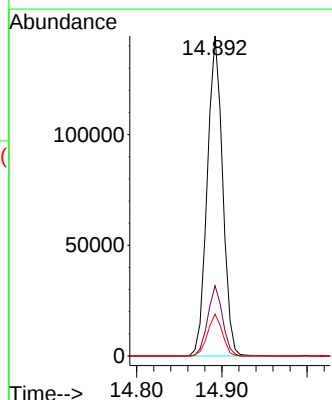
Tgt Ion:149 Resp: 180763

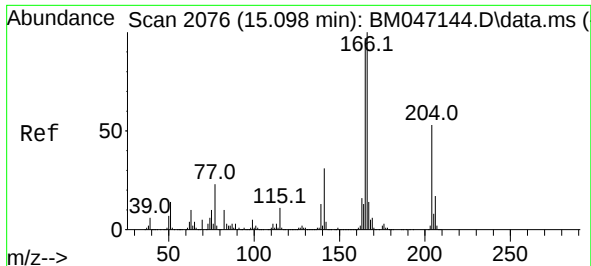
Ion Ratio Lower Upper

149 100

177 21.9 17.6 26.4

150 13.0 9.8 14.6

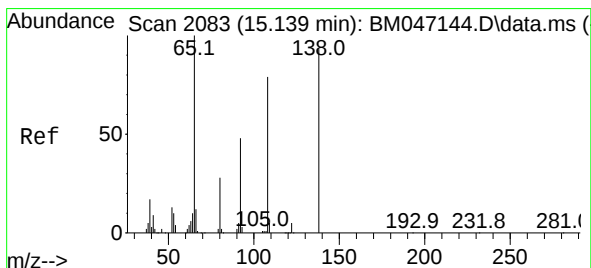
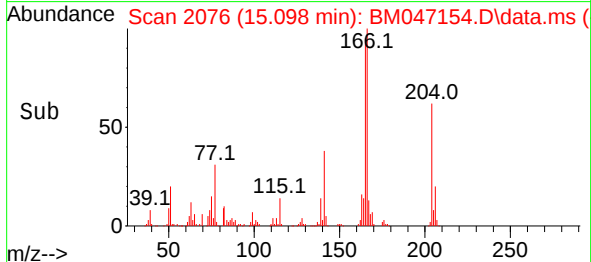
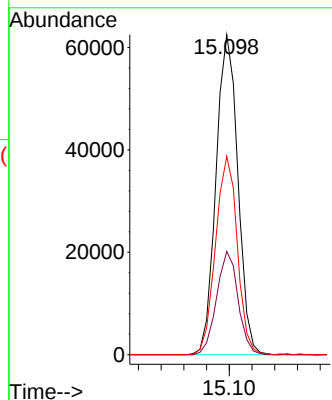
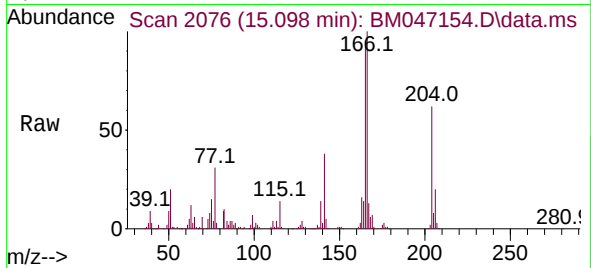




#61
4-Chlorophenyl-phenylether
Concen: 3.929 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

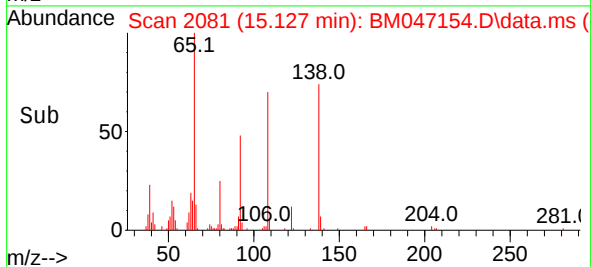
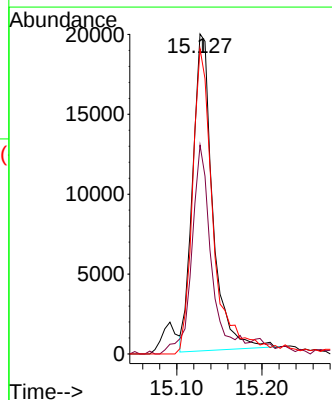
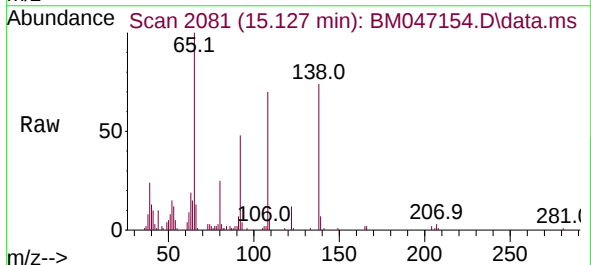
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

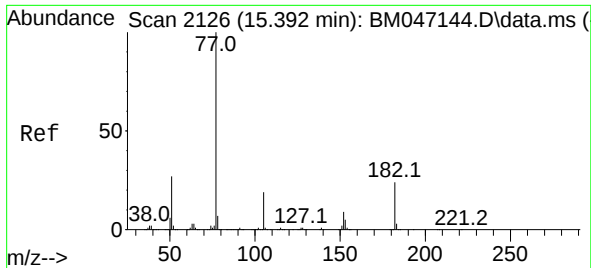
Tgt Ion:204 Resp: 83366
Ion Ratio Lower Upper
204 100
206 32.2 26.2 39.4
141 62.0 47.2 70.8



#62
4-Nitroaniline
Concen: 3.062 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:138 Resp: 32435
Ion Ratio Lower Upper
138 100
92 65.2 31.9 71.9
108 95.4 63.8 103.8

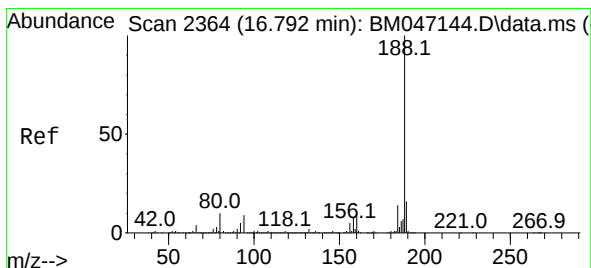
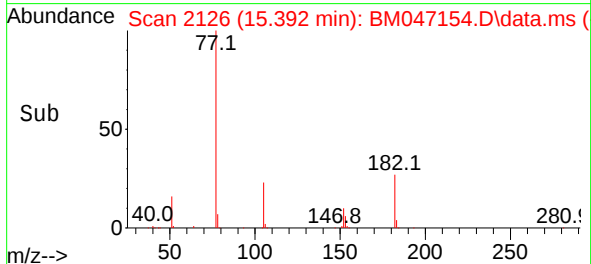
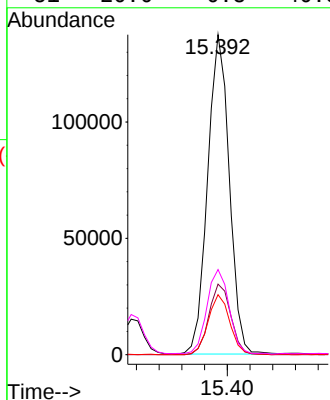
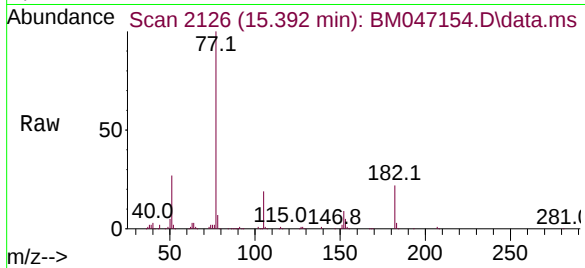




#63
 Azobenzene
 Concen: 4.090 ng
 RT: 15.392 min Scan# 2126
 Delta R.T. -0.000 min
 Lab File: BM047154.D
 Acq: 12 Aug 2024 13:05

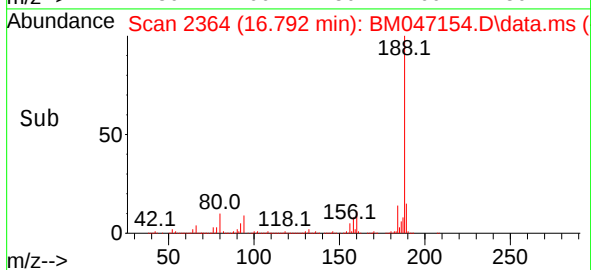
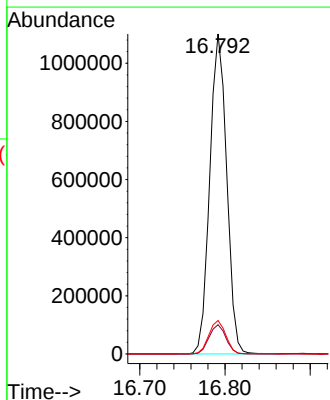
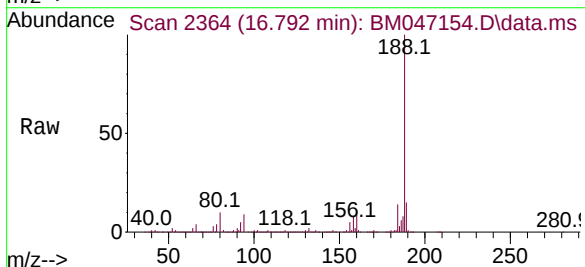
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

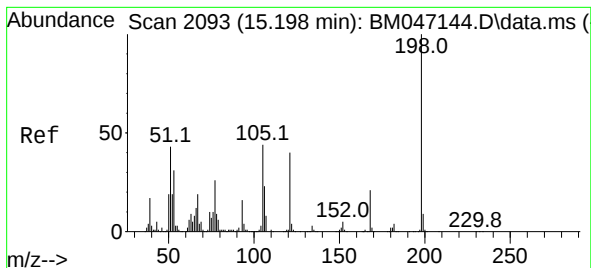
Tgt Ion:	77	Resp:	181779
Ion	Ratio	Lower	Upper
77	100		
182	22.0	3.8	43.8
105	18.7	0.0	39.5
51	26.6	6.8	46.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.792 min Scan# 2364
 Delta R.T. -0.000 min
 Lab File: BM047154.D
 Acq: 12 Aug 2024 13:05

Tgt Ion:	188	Resp:	1516781
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.0	10.6
80	10.4	8.0	12.0

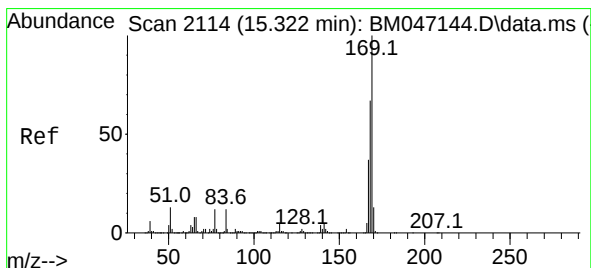
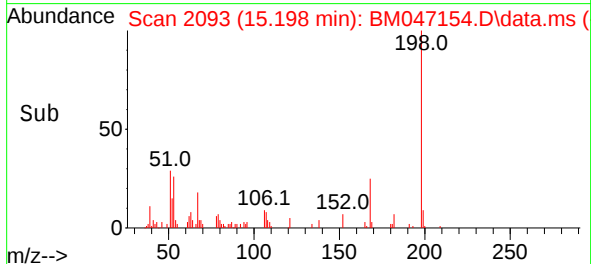
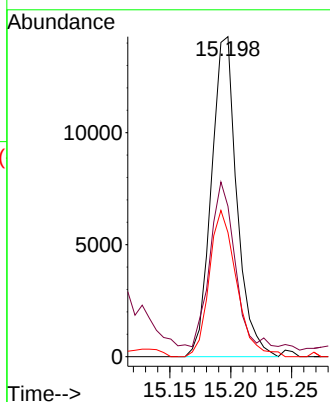
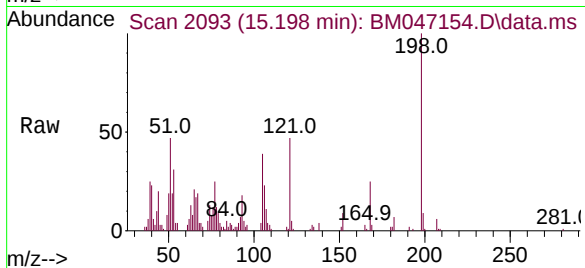




#65
4,6-Dinitro-2-methylphenol
Concen: 2.346 ng
RT: 15.198 min Scan# 2093
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

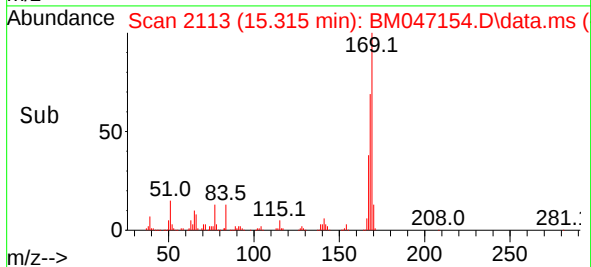
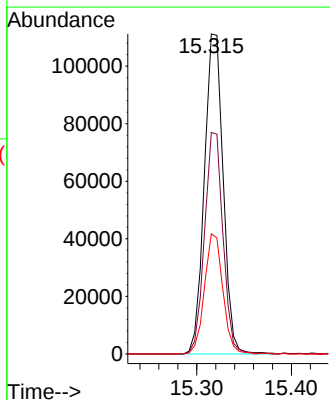
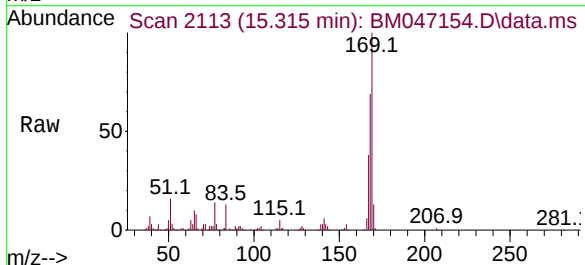
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

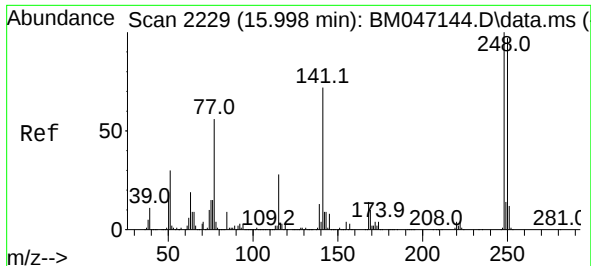
Tgt Ion:198 Resp: 20838
Ion Ratio Lower Upper
198 100
51 47.0 23.9 63.9
105 38.8 24.3 64.3



#66
n-Nitrosodiphenylamine
Concen: 3.710 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

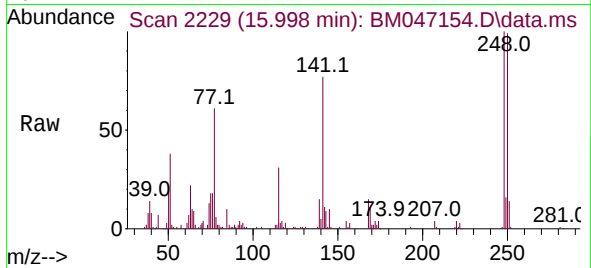
Tgt Ion:169 Resp: 153280
Ion Ratio Lower Upper
169 100
168 69.2 53.8 80.8
167 37.6 29.3 43.9



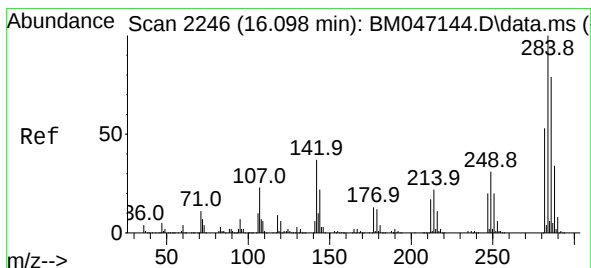
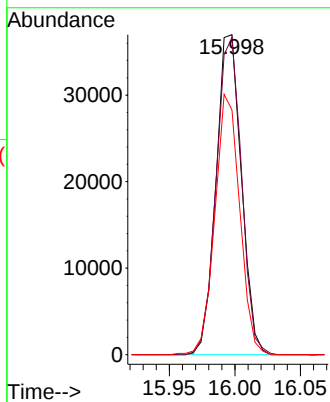
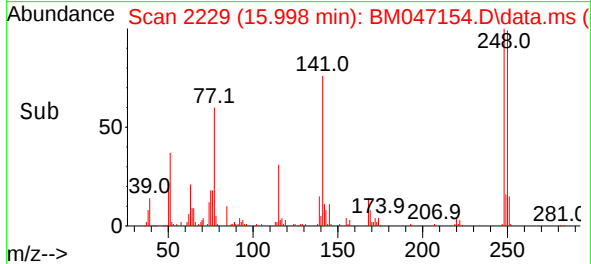


#67
4-Bromophenyl-phenylether
Concen: 3.401 ng
RT: 15.998 min Scan# 2229
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

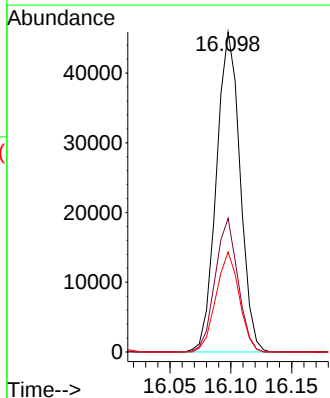
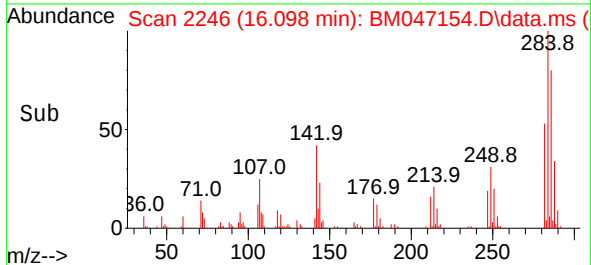
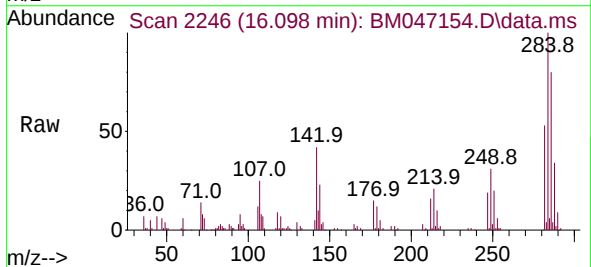


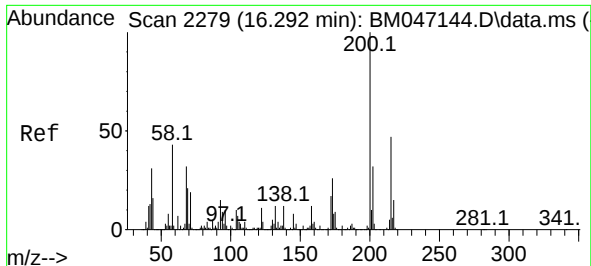
Tgt Ion:248 Resp: 49705
Ion Ratio Lower Upper
248 100
250 99.1 77.8 116.8
141 76.5 57.7 86.5



#68
Hexachlorobenzene
Concen: 3.550 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:284 Resp: 62136
Ion Ratio Lower Upper
284 100
142 41.7 29.4 44.0
249 31.3 25.1 37.7





#69

Atrazine

Concen: 4.135 ng

RT: 16.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

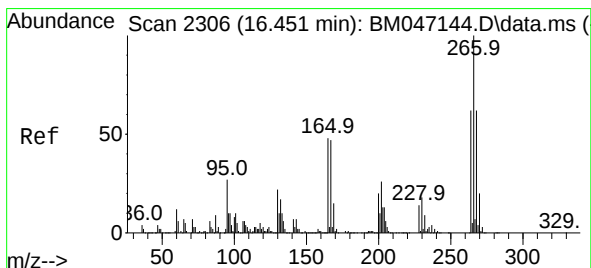
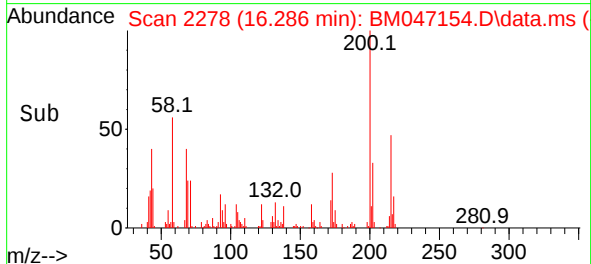
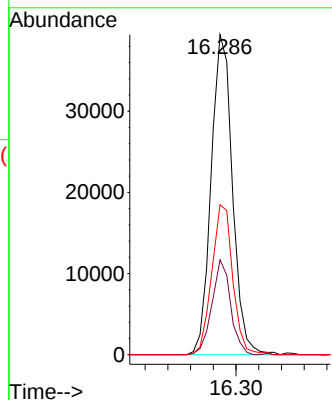
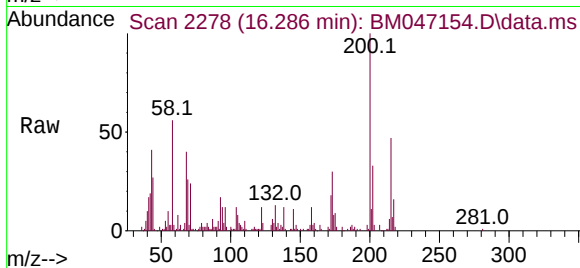
Tgt Ion:200 Resp: 51410

Ion Ratio Lower Upper

200 100

173 29.7 6.1 46.1

215 46.8 26.8 66.8



#70

Pentachlorophenol

Concen: 2.521 ng

RT: 16.451 min Scan# 2306

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

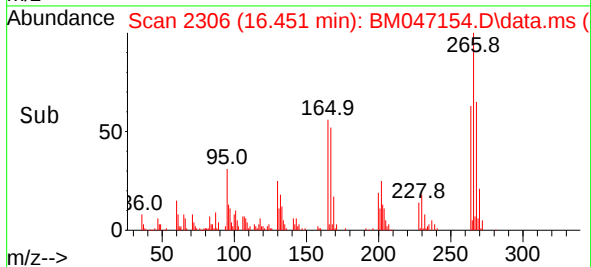
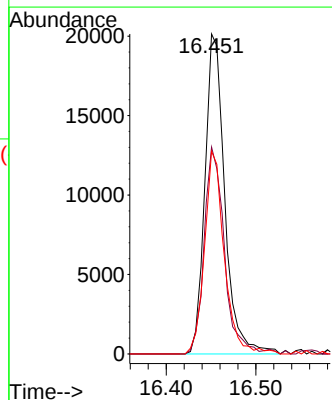
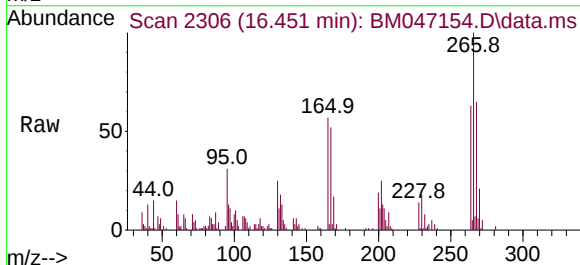
Tgt Ion:266 Resp: 30940

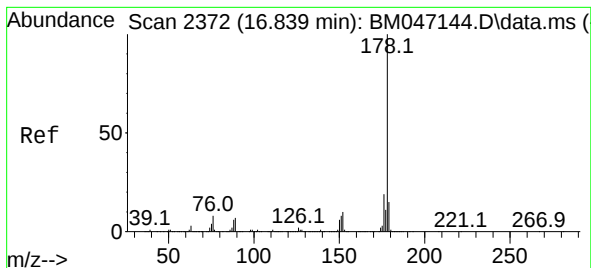
Ion Ratio Lower Upper

266 100

268 64.7 49.8 74.6

264 63.3 49.6 74.4





#71

Phenanthrene

Concen: 3.945 ng

RT: 16.833 min Scan# 2371

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

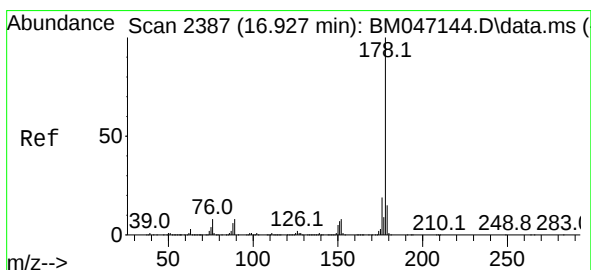
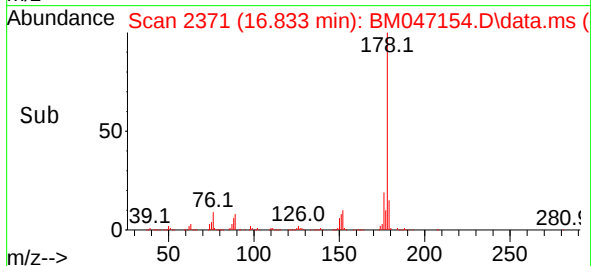
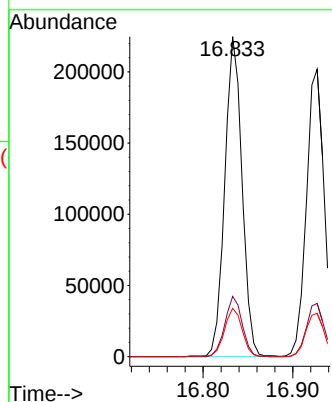
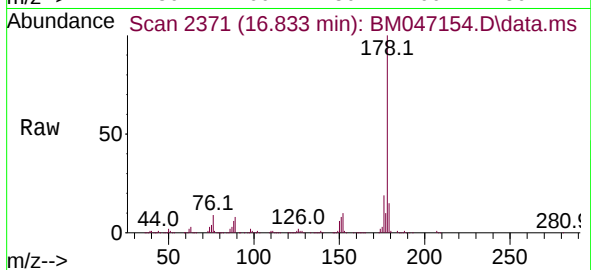
Tgt Ion:178 Resp: 300263

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.1 12.4 18.6



#72

Anthracene

Concen: 3.844 ng

RT: 16.927 min Scan# 2387

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

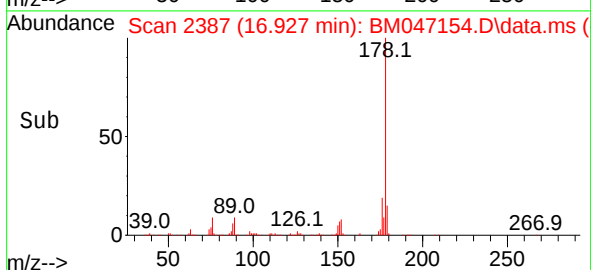
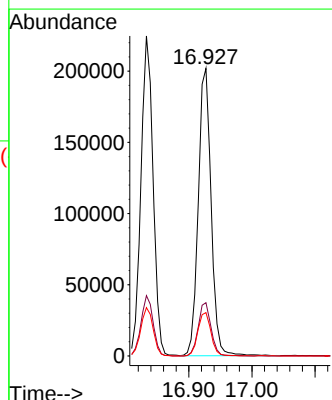
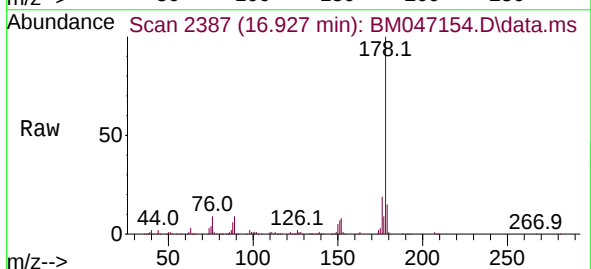
Tgt Ion:178 Resp: 284697

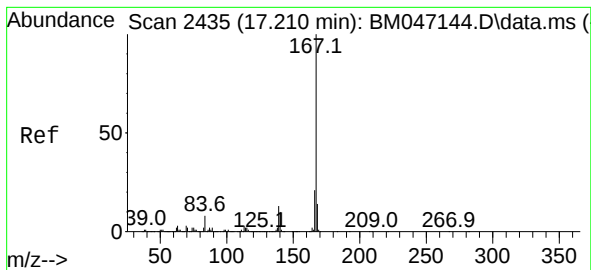
Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.1 12.4 18.6





#73

Carbazole

Concen: 3.680 ng

RT: 17.209 min Scan# 2435

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

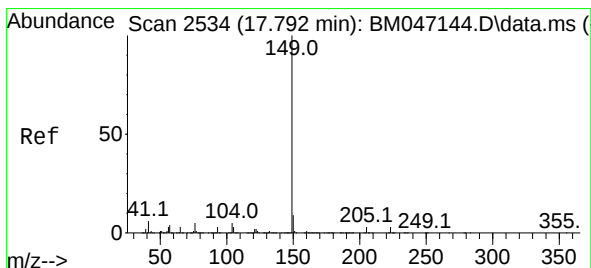
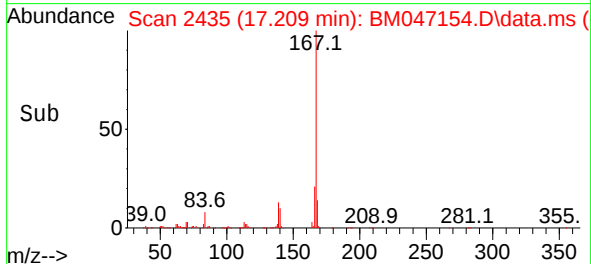
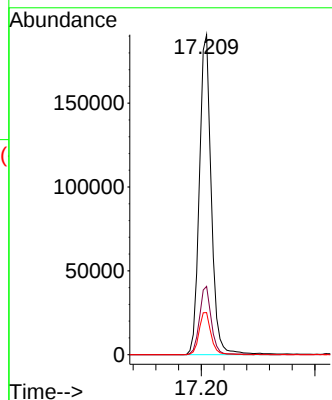
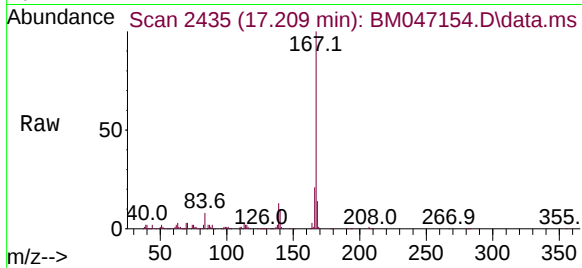
Tgt Ion:167 Resp: 278287

Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

139 13.2 10.0 15.0



#74

Di-n-butylphthalate

Concen: 3.587 ng

RT: 17.792 min Scan# 2534

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

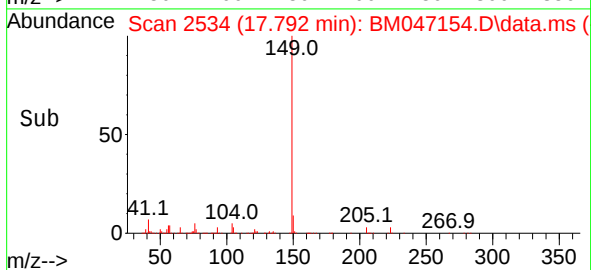
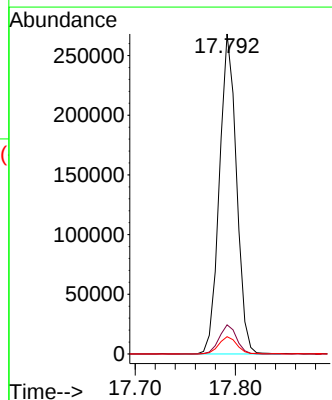
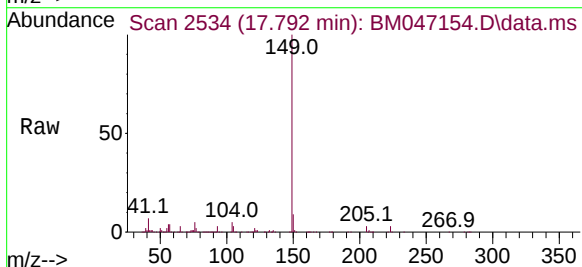
Tgt Ion:149 Resp: 315640

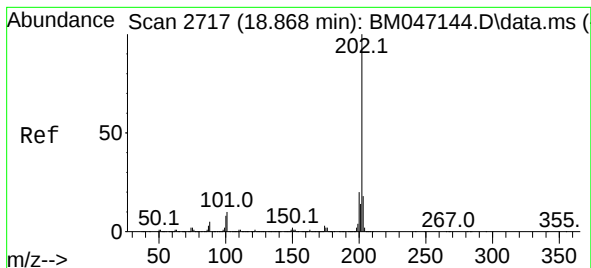
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 5.4 4.1 6.1





#75

Fluoranthene

Concen: 3.572 ng

RT: 18.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

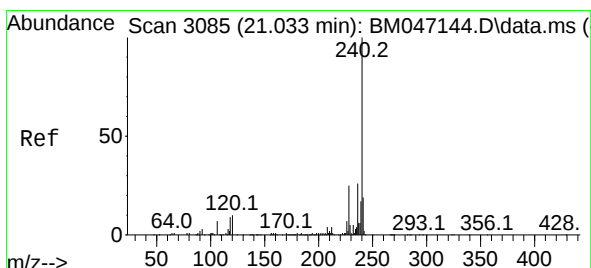
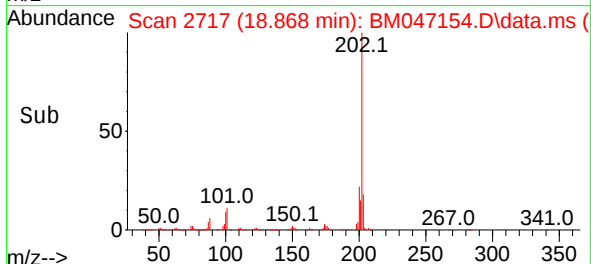
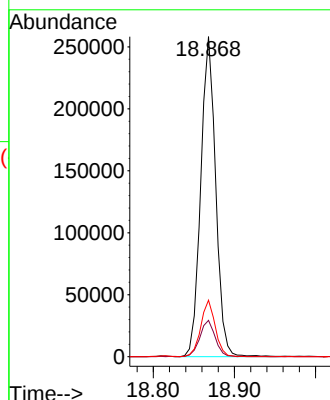
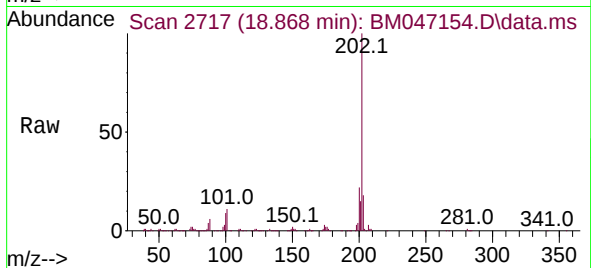
Tgt Ion:202 Resp: 330728

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.2

203 17.7 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.033 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

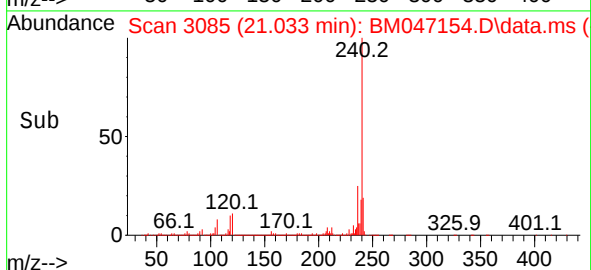
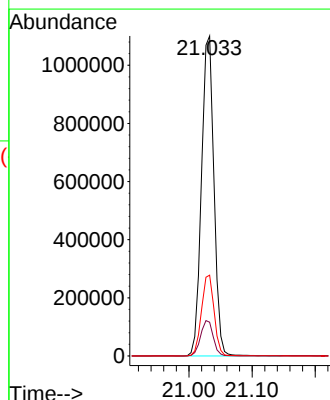
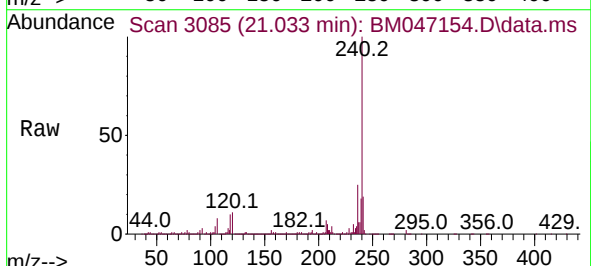
Tgt Ion:240 Resp: 1506974

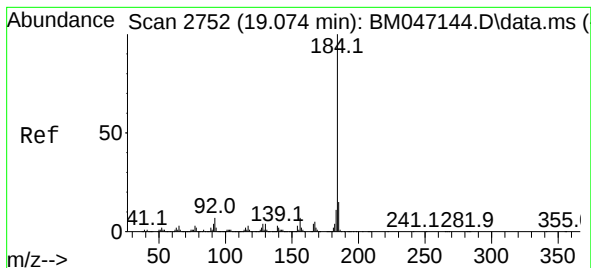
Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

236 25.3 20.6 30.8





#77

Benzidine

Concen: 1.783 ng

RT: 19.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

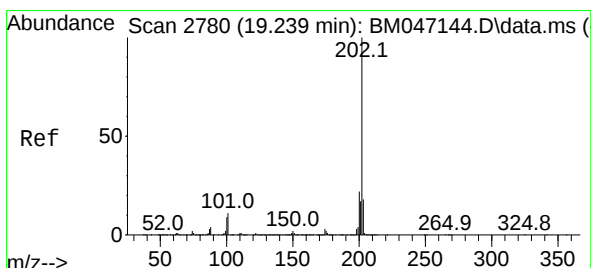
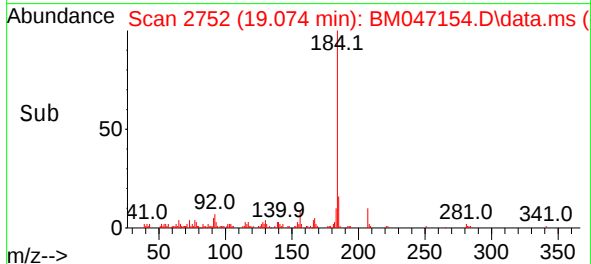
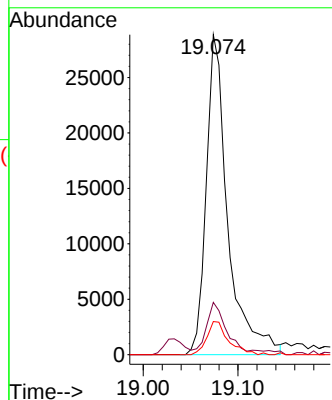
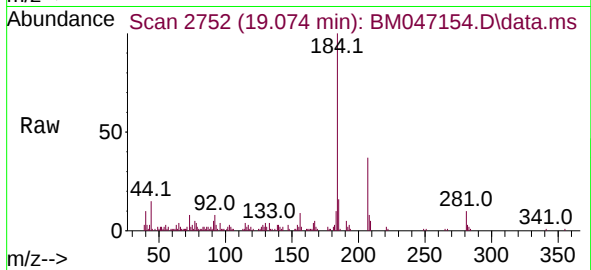
Tgt Ion:184 Resp: 45558

Ion Ratio Lower Upper

184 100

185 16.4 11.8 17.6

183 10.3 9.0 13.6



#78

Pyrene

Concen: 3.256 ng

RT: 19.233 min Scan# 2779

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

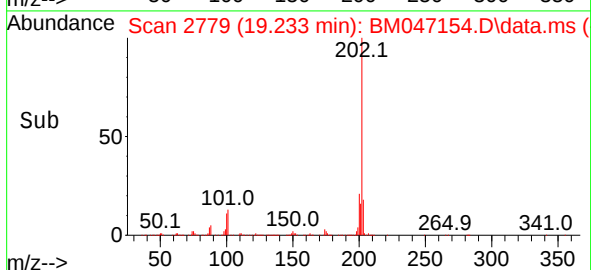
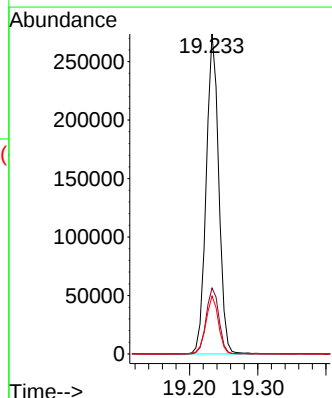
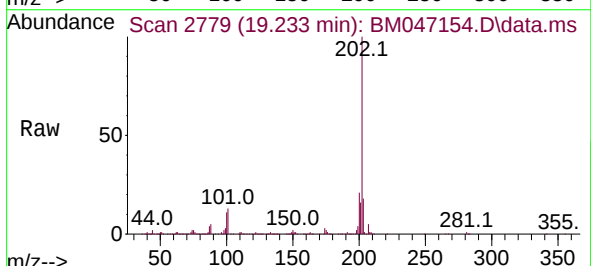
Tgt Ion:202 Resp: 350312

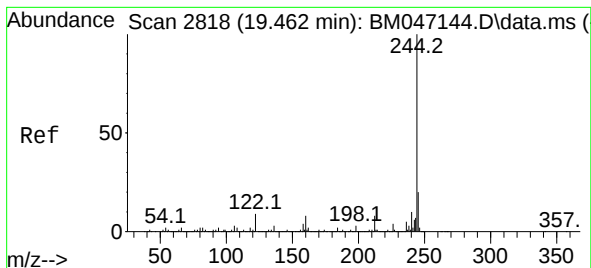
Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

203 18.1 14.2 21.2





#79

Terphenyl-d14

Concen: 85.027 ng

RT: 19.462 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047154.D

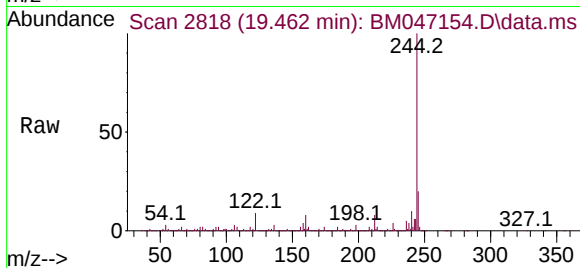
Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



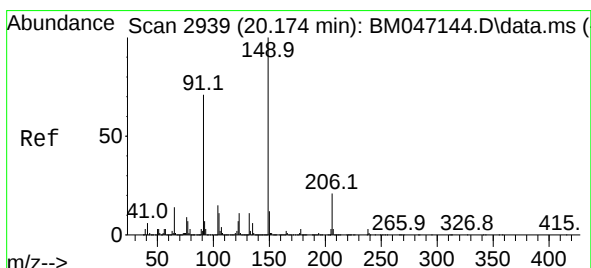
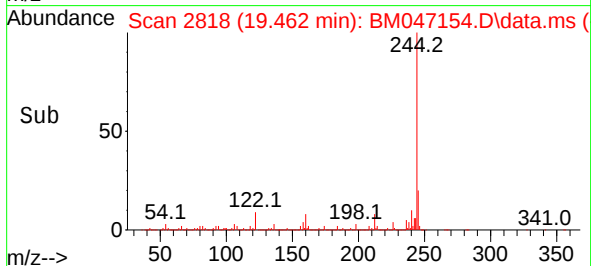
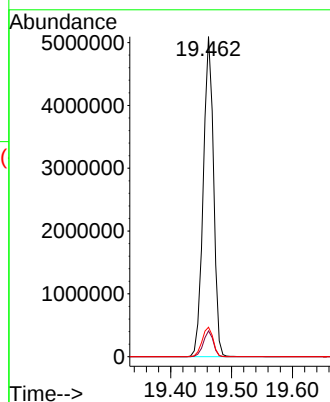
Tgt Ion:244 Resp: 5979802

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.4

122 9.2 7.1 10.7



#80

Butylbenzylphthalate

Concen: 3.144 ng

RT: 20.174 min Scan# 2939

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

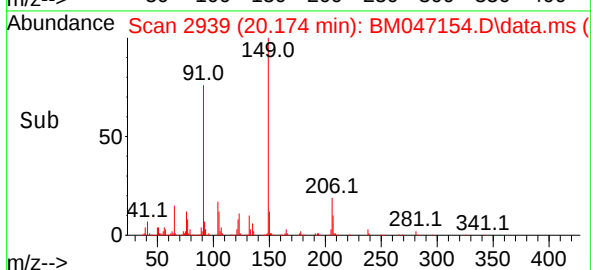
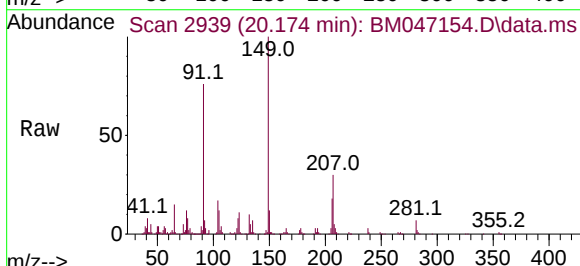
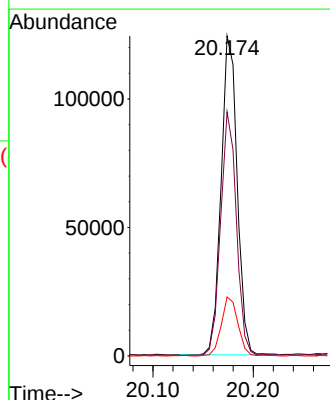
Tgt Ion:149 Resp: 138080

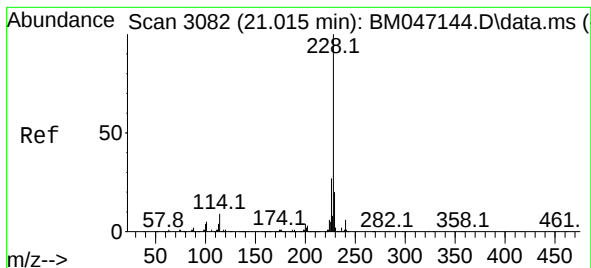
Ion Ratio Lower Upper

149 100

91 76.3 57.0 85.4

206 18.5 16.4 24.6





#81

Benzo(a)anthracene

Concen: 3.645 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

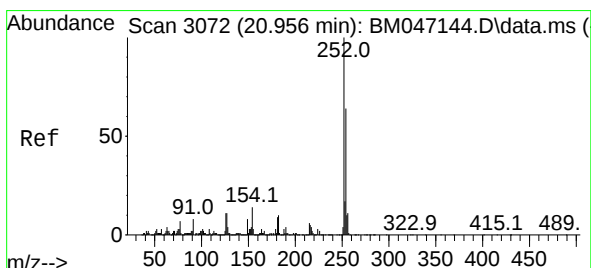
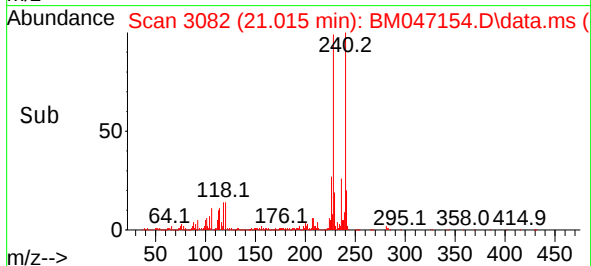
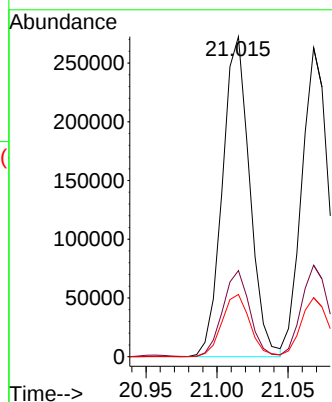
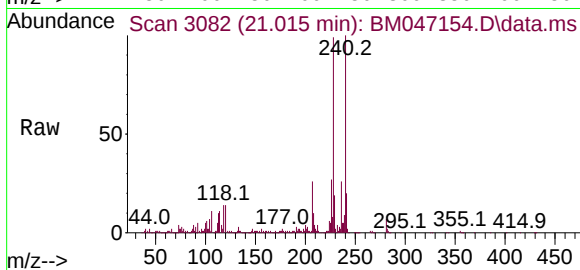
Tgt Ion:228 Resp: 364650

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.6

229 19.5 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 3.601 ng

RT: 20.956 min Scan# 3072

Delta R.T. -0.000 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

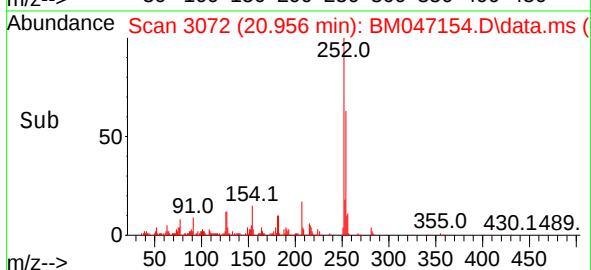
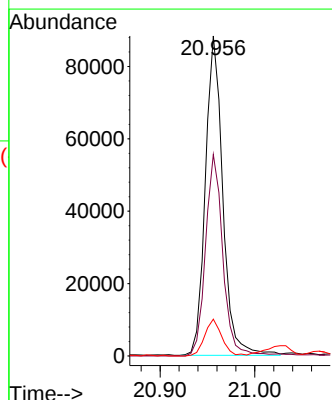
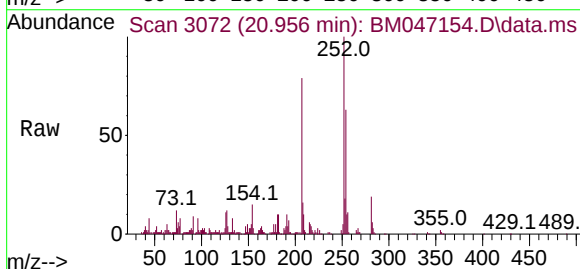
Tgt Ion:252 Resp: 112717

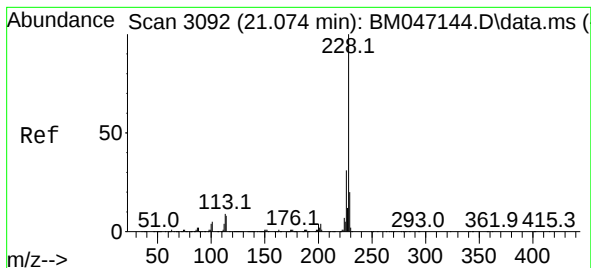
Ion Ratio Lower Upper

252 100

254 63.0 51.0 76.6

126 11.5 8.5 12.7





#83

Chrysene

Concen: 3.594 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

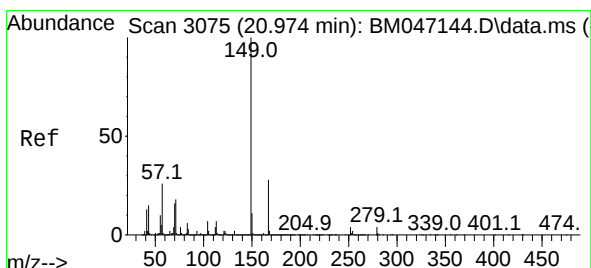
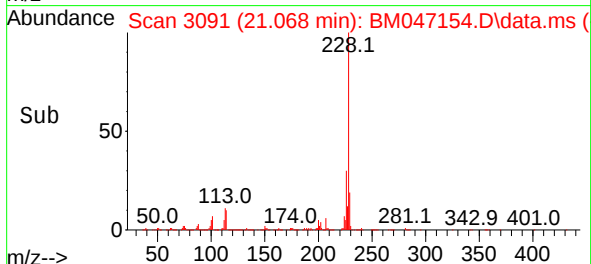
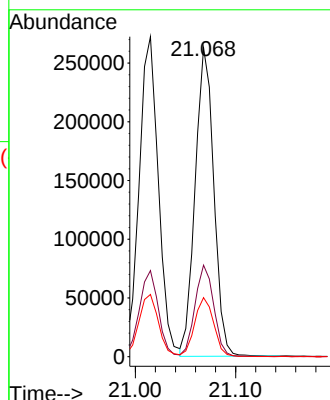
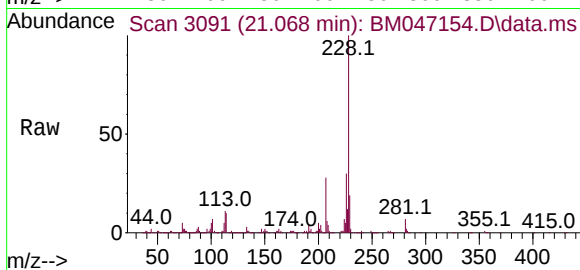
Tgt Ion:228 Resp: 341119

Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

229 19.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.304 ng

RT: 20.980 min Scan# 3076

Delta R.T. 0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

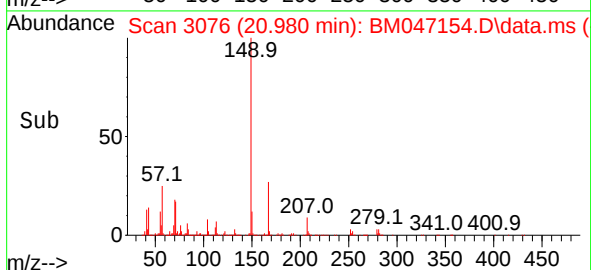
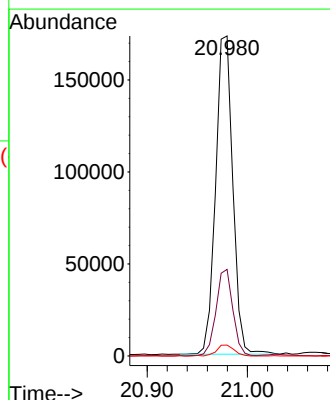
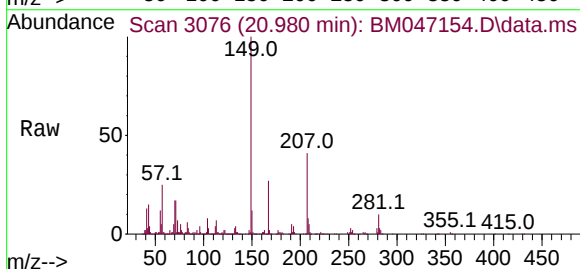
Tgt Ion:149 Resp: 205755

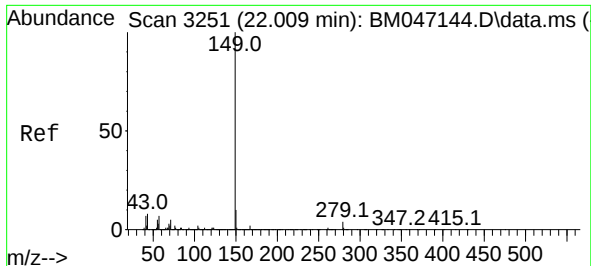
Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.2

279 3.4 3.0 4.4

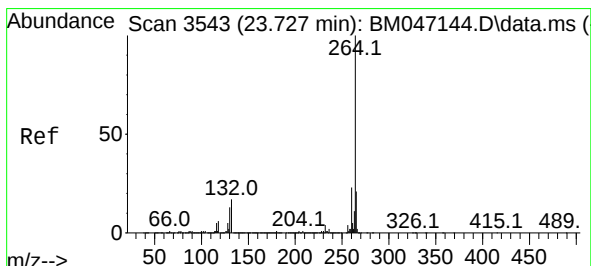
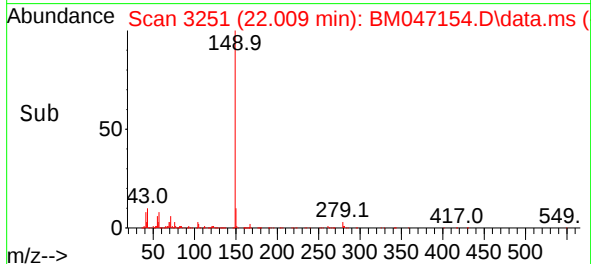
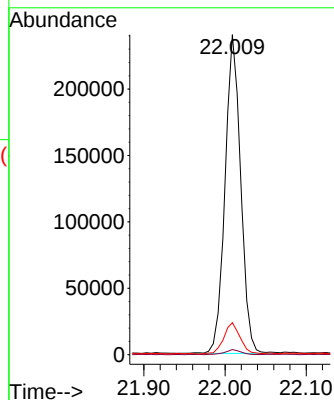
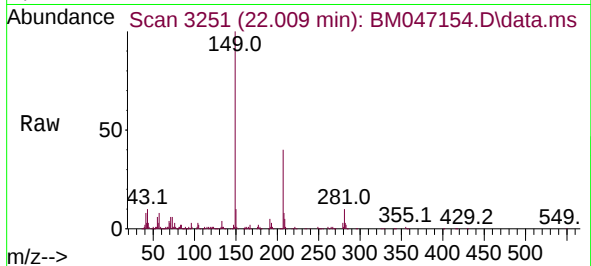




#85
Di-n-octyl phthalate
Concen: 3.044 ng
RT: 22.009 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

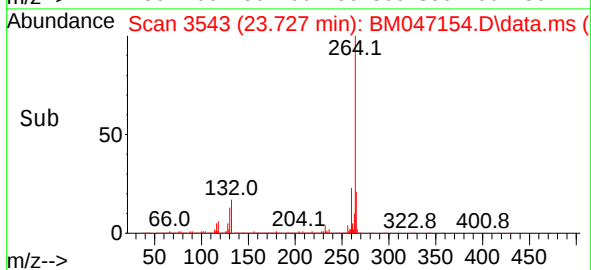
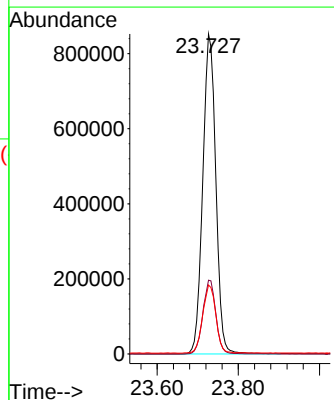
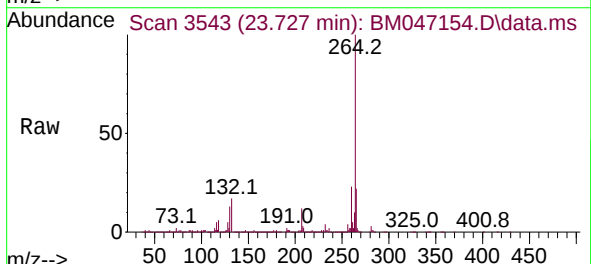
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

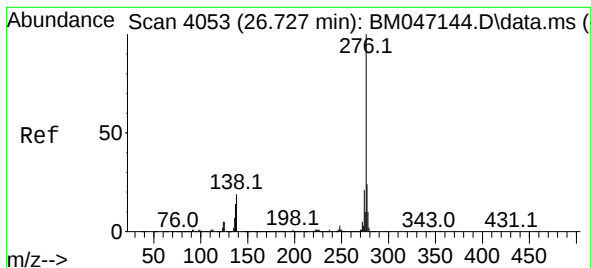
Tgt Ion:149 Resp: 322186
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.1 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. -0.000 min
Lab File: BM047154.D
Acq: 12 Aug 2024 13:05

Tgt Ion:264 Resp: 1901369
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.617 ng

RT: 26.715 min Scan# 4051

Delta R.T. -0.012 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

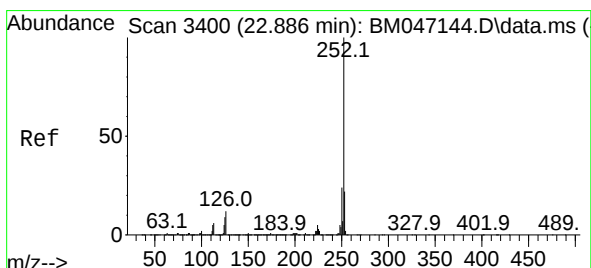
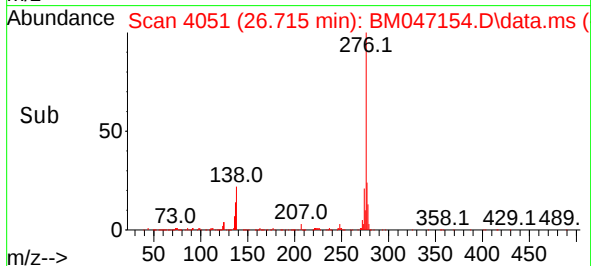
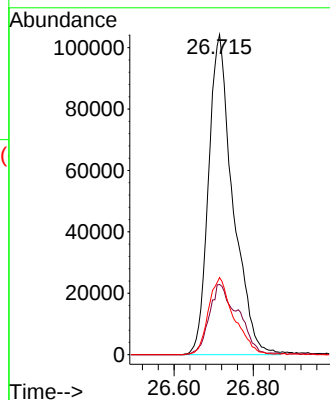
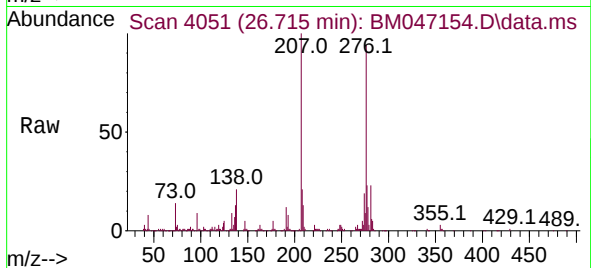
Tgt Ion:276 Resp: 444526

Ion Ratio Lower Upper

276 100

138 26.1 19.4 29.0

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 3.335 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

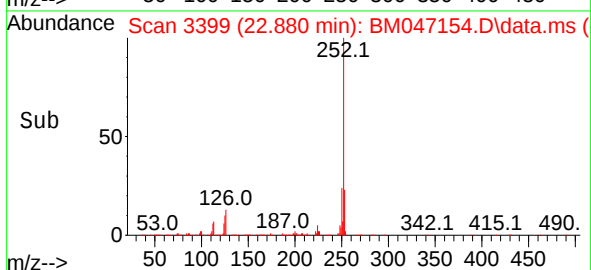
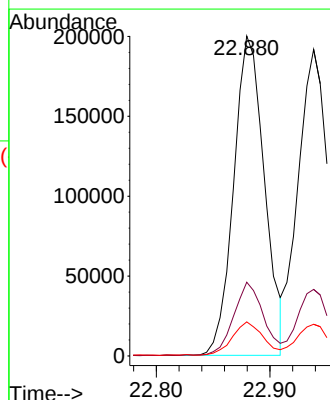
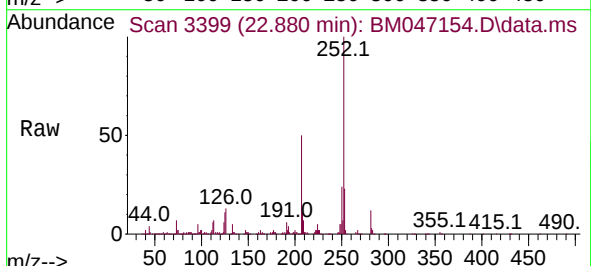
Tgt Ion:252 Resp: 376557

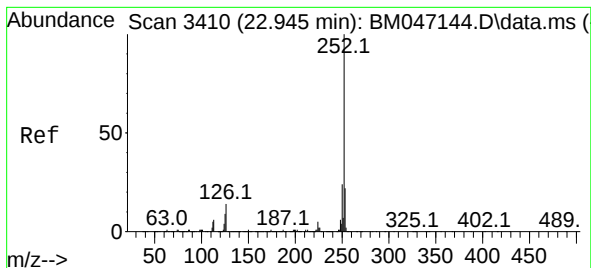
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 10.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 3.383 ng

RT: 22.938 min Scan# 3410

Delta R.T. -0.006 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

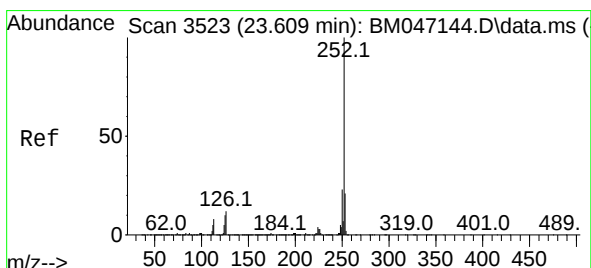
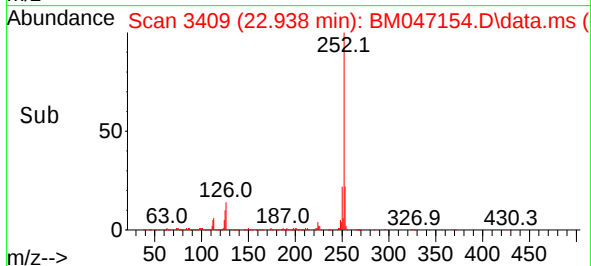
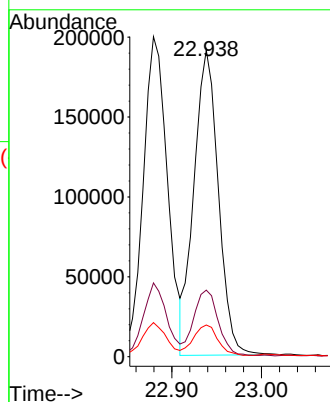
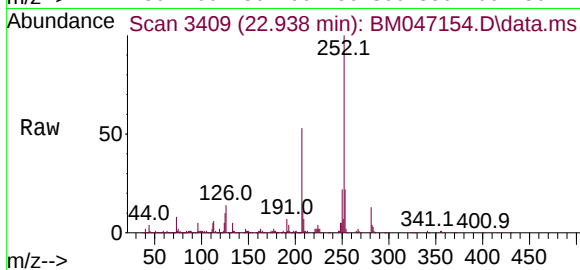
Tgt Ion:252 Resp: 360854

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 10.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 3.251 ng

RT: 23.597 min Scan# 3521

Delta R.T. -0.012 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

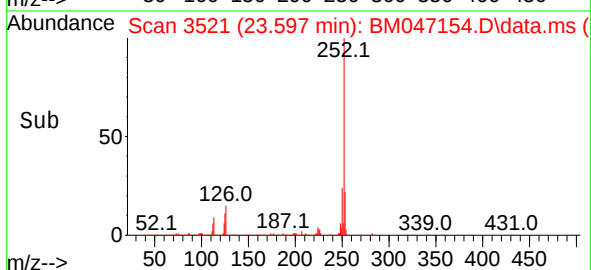
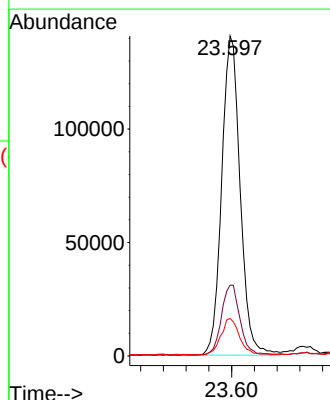
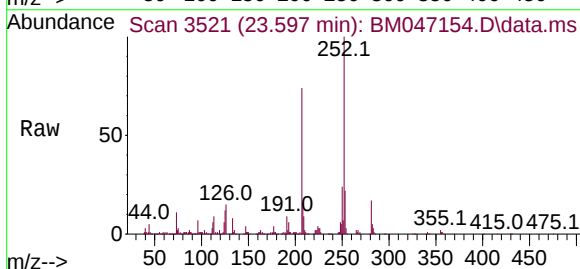
Tgt Ion:252 Resp: 317981

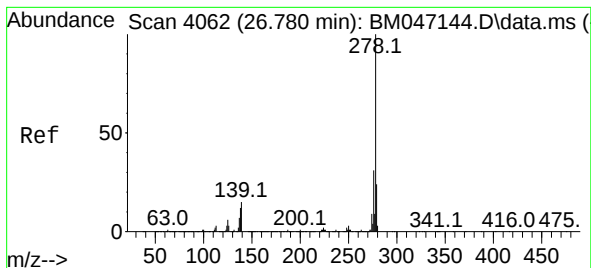
Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 11.7 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 3.699 ng

RT: 26.762 min Scan# 4062

Delta R.T. -0.018 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

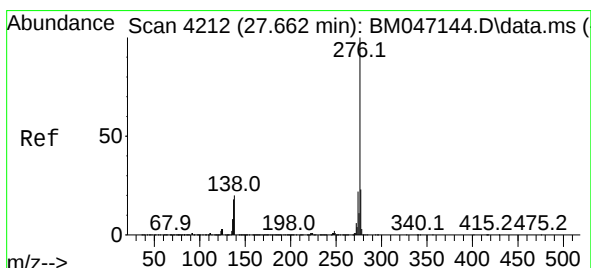
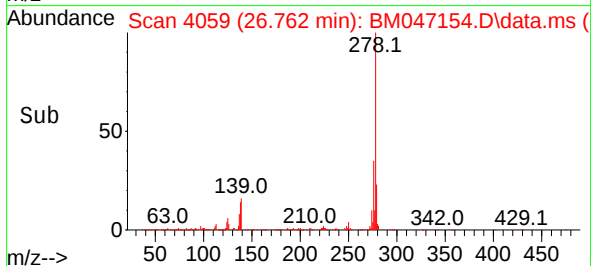
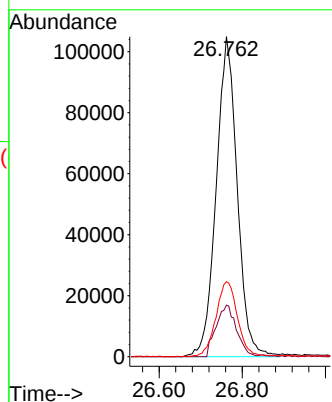
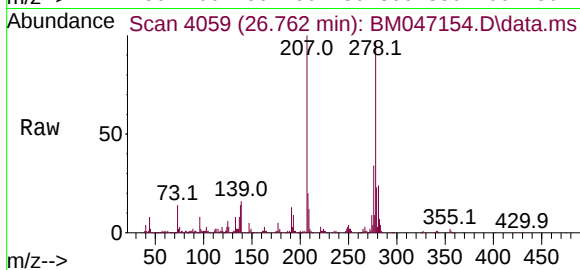
Tgt Ion:278 Resp: 367943

Ion Ratio Lower Upper

278 100

139 16.1 12.0 18.0

279 23.4 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 3.623 ng

RT: 27.638 min Scan# 4208

Delta R.T. -0.024 min

Lab File: BM047154.D

Acq: 12 Aug 2024 13:05

Tgt Ion:276 Resp: 374135

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 20.8 16.2 24.4

