

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048219.D
 Acq On : 24 Oct 2024 16:29
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 24 17:17:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 18:21:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	147193	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	597677	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	374215	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	752639	20.000	ng	0.00
76) Chrysene-d12	21.333	240	711579	20.000	ng	0.00
86) Perylene-d12	24.286	264	762405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	773876	88.377	ng	0.00
7) Phenol-d6	6.899	99	1010131	88.578	ng	0.00
23) Nitrobenzene-d5	8.875	82	656183	61.990	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	396522	86.569	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	1527193	62.624	ng	0.00
79) Terphenyl-d14	19.733	244	2084807	59.790	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.205	88	47133	13.149	ng	99
3) Pyridine	3.610	79	105019	11.029	ng	97
4) n-Nitrosodimethylamine	3.516	42	50129	12.400	ng	# 97
6) Aniline	7.051	93	146640	15.491	ng	97
8) 2-Chlorophenol	7.287	128	119286	12.539	ng	98
9) Benzaldehyde	6.863	77	95067	16.968	ng	99
10) Phenol	6.922	94	144433	12.589	ng	97
11) bis(2-Chloroethyl)ether	7.146	93	114508	12.530	ng	98
12) 1,3-Dichlorobenzene	7.610	146	135749	12.377	ng	98
13) 1,4-Dichlorobenzene	7.757	146	138994	12.474	ng	96
14) 1,2-Dichlorobenzene	8.069	146	133626	12.409	ng	96
15) Benzyl Alcohol	7.969	79	87049	11.965	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.240	45	177404	13.272	ng	98
17) 2-Methylphenol	8.169	107	86549	11.352	ng	97
18) Hexachloroethane	8.793	117	49007	12.000	ng	95
19) n-Nitroso-di-n-propyla...	8.528	70	86534	11.994	ng	99
20) 3+4-Methylphenols	8.498	107	117647	11.139	ng	99
22) Acetophenone	8.540	105	179504	12.306	ng	# 99
24) Nitrobenzene	8.916	77	125585	11.451	ng	98
25) Isophorone	9.445	82	232813	11.999	ng	99
26) 2-Nitrophenol	9.634	139	55075	10.876	ng	95
27) 2,4-Dimethylphenol	9.698	122	50720	8.255	ng	98
28) bis(2-Chloroethoxy)met...	9.928	93	144138	11.739	ng	99
29) 2,4-Dichlorophenol	10.175	162	101575	11.493	ng	97
30) 1,2,4-Trichlorobenzene	10.375	180	120524	11.907	ng	100
31) Naphthalene	10.557	128	369740	11.861	ng	99
32) Benzoic acid	9.804	122	76911	11.246	ng	97
33) 4-Chloroaniline	10.681	127	128986	12.758	ng	99
34) Hexachlorobutadiene	10.845	225	70889	11.300	ng	94
35) Caprolactam	11.451	113	30073	10.475	ng	96
36) 4-Chloro-3-methylphenol	11.810	107	101163	10.965	ng	96
37) 2-Methylnaphthalene	12.175	142	244594	11.744	ng	98
38) 1-Methylnaphthalene	12.398	142	230489	11.160	ng	99
40) 1,2,4,5-Tetrachloroben...	12.551	216	132276	12.367	ng	100
41) Hexachlorocyclopentadiene	12.528	237	47125	13.020	ng	96

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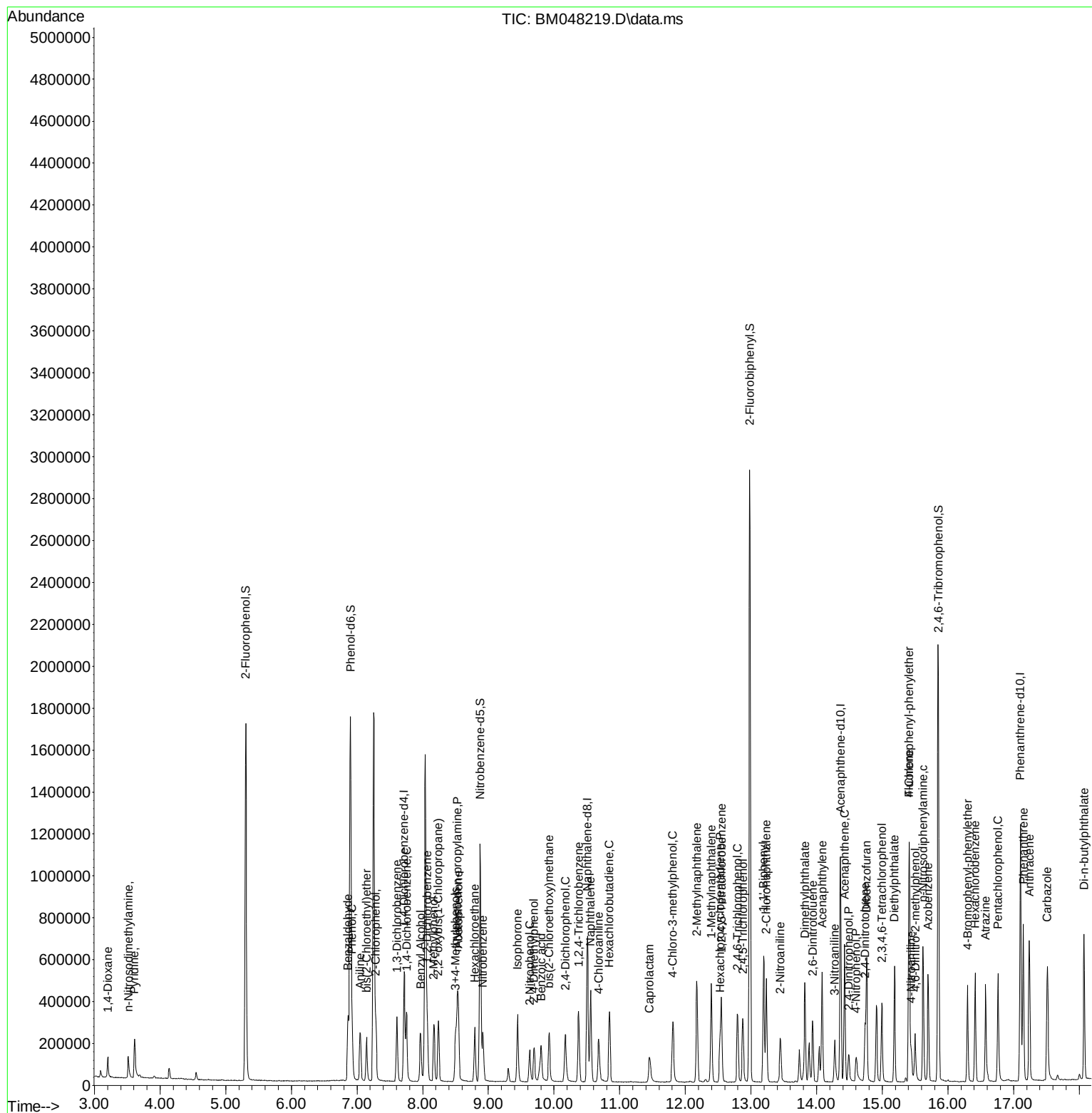
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	12.798	196	82231	11.585	ng	97
44) 2,4,5-Trichlorophenol	12.875	196	88293	11.155	ng	98
46) 1,1'-Biphenyl	13.192	154	332845	12.458	ng	99
47) 2-Chloronaphthalene	13.233	162	249173	11.828	ng	99
48) 2-Nitroaniline	13.445	65	62545	10.947	ng	96
49) Acenaphthylene	14.086	152	396573	12.903	ng	99
50) Dimethylphthalate	13.822	163	308118	12.061	ng	98
51) 2,6-Dinitrotoluene	13.939	165	61248	10.745	ng	93
52) Acenaphthene	14.427	154	230135	11.785	ng	99
53) 3-Nitroaniline	14.275	138	59717	11.109	ng	96
54) 2,4-Dinitrophenol	14.492	184	31611	9.490	ng	93
55) Dibenzofuran	14.763	168	378135	12.188	ng	99
56) 4-Nitrophenol	14.604	139	45187	9.419	ng	98
57) 2,4-Dinitrotoluene	14.739	165	79401	10.548	ng	99
58) Fluorene	15.410	166	297809	12.139	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	78263	11.929	ng	99
60) Diethylphthalate	15.186	149	300709	11.626	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	148038	12.068	ng	96
62) 4-Nitroaniline	15.439	138	54048	9.715	ng	92
63) Azobenzene	15.698	77	281788	12.155	ng	100
65) 4,6-Dinitro-2-methylph...	15.504	198	52005	11.909	ng	98
66) n-Nitrosodiphenylamine	15.621	169	247308	11.970	ng	99
67) 4-Bromophenyl-phenylether	16.304	248	89924	11.784	ng	96
68) Hexachlorobenzene	16.416	284	108596	11.849	ng	99
69) Atrazine	16.574	200	83318	14.412	ng	99
70) Pentachlorophenol	16.763	266	94243	15.662	ng	97
71) Phenanthrene	17.151	178	458475	12.302	ng	99
72) Anthracene	17.239	178	428917	11.889	ng	100
73) Carbazole	17.515	167	412314	11.658	ng	99
74) Di-n-butylphthalate	18.074	149	500626	11.372	ng	100
75) Fluoranthene	19.162	202	517716	11.645	ng	99
77) Benzidine	19.362	184	118302	14.405	ng	100
78) Pyrene	19.527	202	551252	11.574	ng	99
80) Butylbenzylphthalate	20.427	149	219089	11.000	ng	97
81) Benzo(a)anthracene	21.315	228	546384	12.016	ng	100
82) 3,3'-Dichlorobenzidine	21.245	252	185855	11.933	ng	99
83) Chrysene	21.374	228	536097	12.283	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	337099	11.645	ng	100
85) Di-n-octyl phthalate	22.350	149	537913	10.729	ng	100
87) Indeno(1,2,3-cd)pyrene	27.603	276	644296	12.780	ng	99
88) Benzo(b)fluoranthene	23.350	252	540071	12.355	ng	100
89) Benzo(k)fluoranthene	23.415	252	563528	13.333	ng	99
90) Benzo(a)pyrene	24.144	252	493677	12.990	ng	98
91) Dibenzo(a,h)anthracene	27.656	278	530967	12.647	ng	99
92) Benzo(g,h,i)perylene	28.638	276	512134	11.913	ng	98

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

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ClientSampleId :
LOQ-SOIL-02-QT4-2024

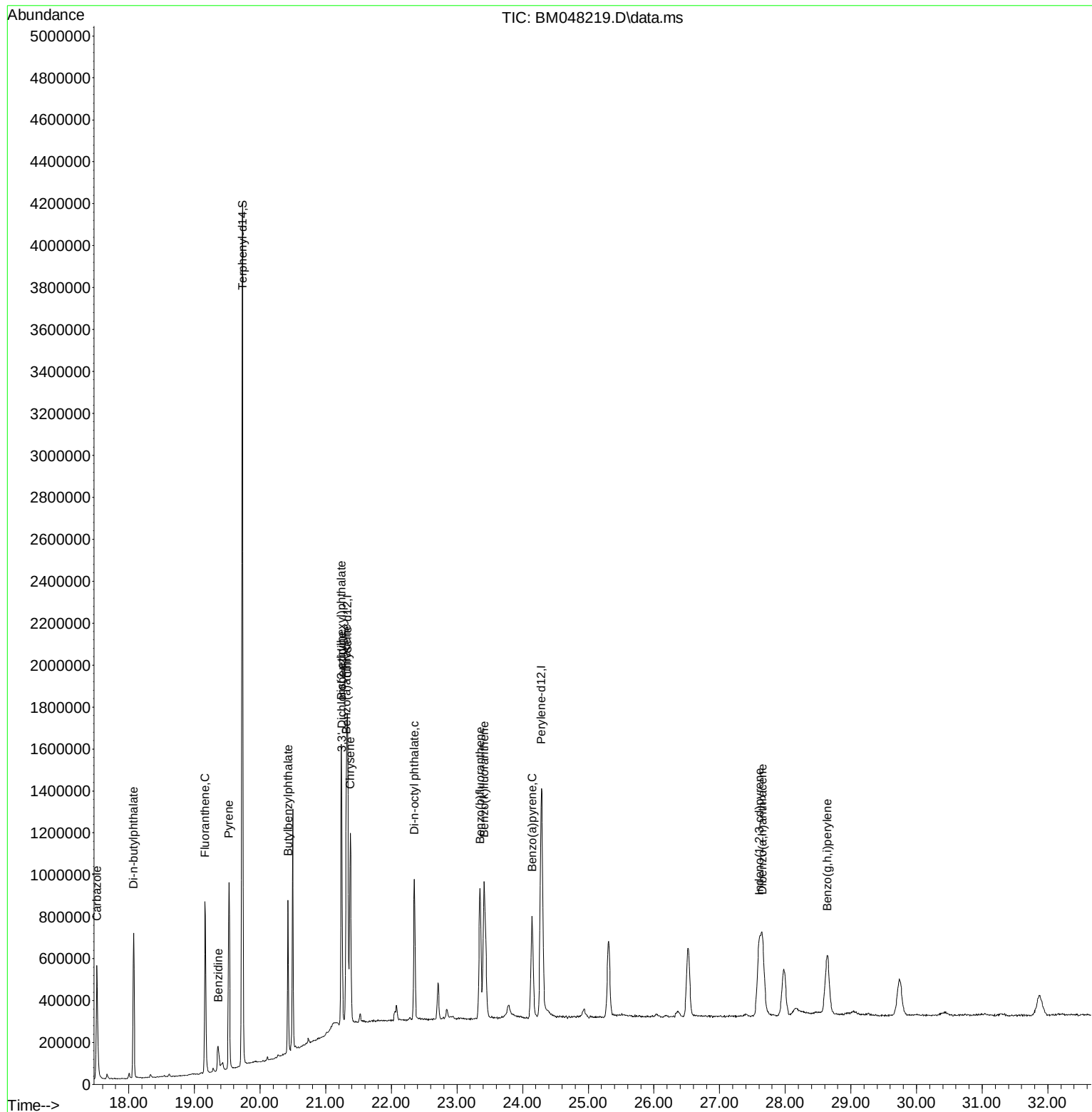
Quant Time: Oct 24 17:17:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
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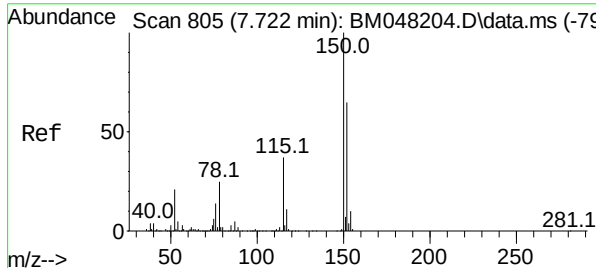


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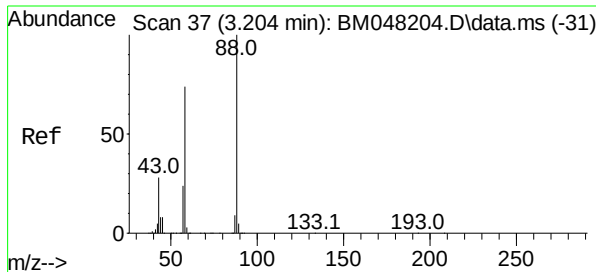
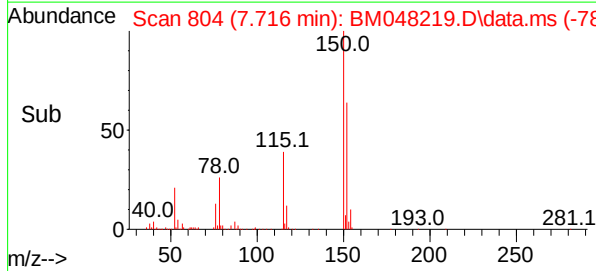
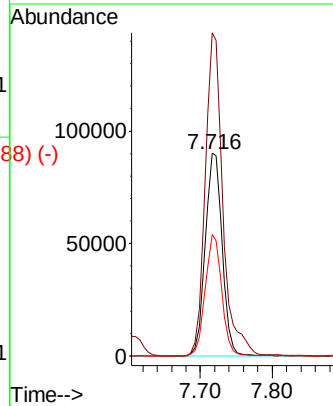
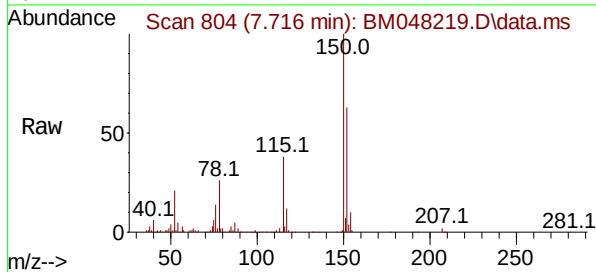




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.716 min Scan# 805
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

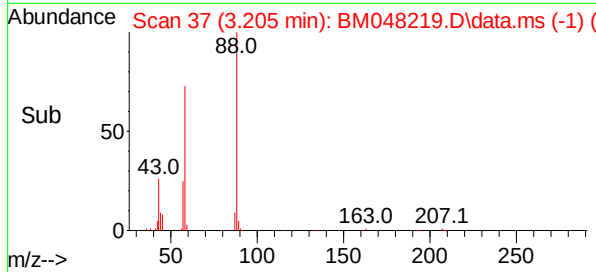
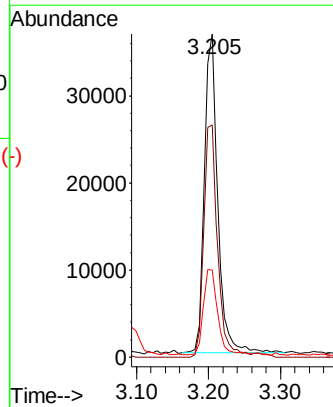
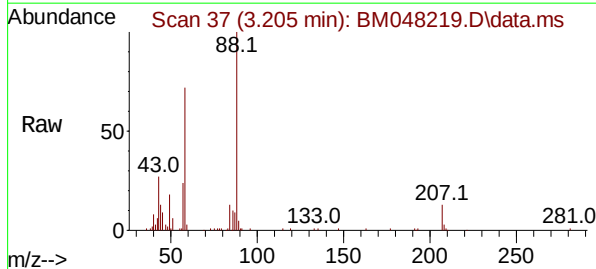
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

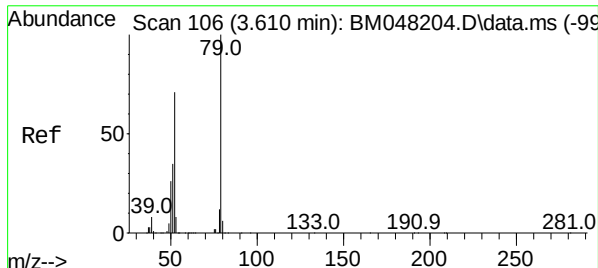
Tgt Ion:152 Resp: 147193
 Ion Ratio Lower Upper
 152 100
 150 159.5 123.0 184.6
 115 60.1 45.8 68.6



1,4-Dioxane
 Concen: 13.149 ng
 RT: 3.205 min Scan# 37
 Delta R.T. 0.000 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

Tgt Ion: 88 Resp: 47133
 Ion Ratio Lower Upper
 88 100
 58 76.2 59.7 89.5
 43 28.3 22.6 33.8





Pyridine

Concen: 11.029 ng

RT: 3.610 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

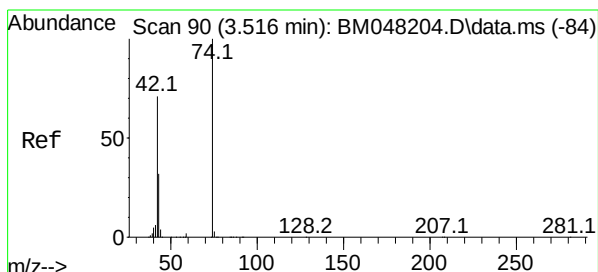
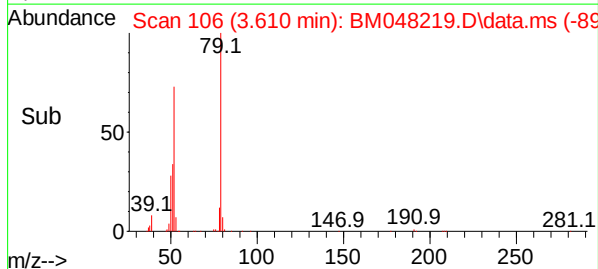
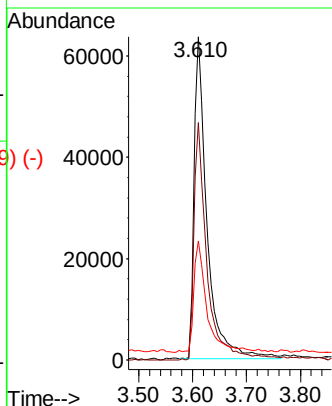
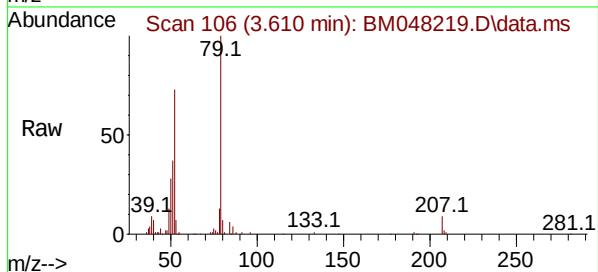
Tgt Ion: 79 Resp: 105019

Ion Ratio Lower Upper

79 100

52 73.4 56.5 84.7

51 36.8 28.5 42.7



n-Nitrosodimethylamine

Concen: 12.400 ng

RT: 3.516 min Scan# 90

Delta R.T. 0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

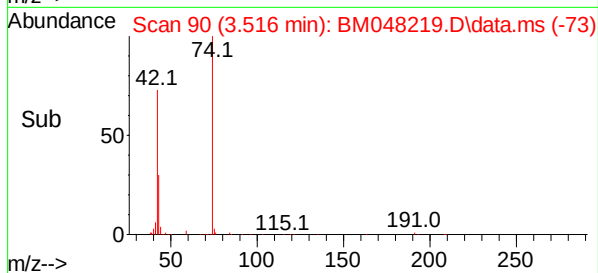
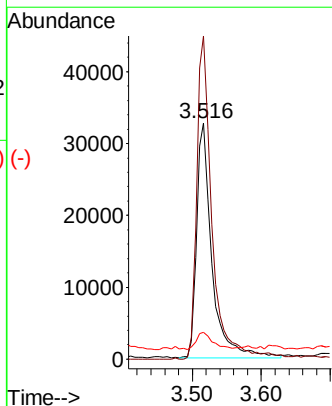
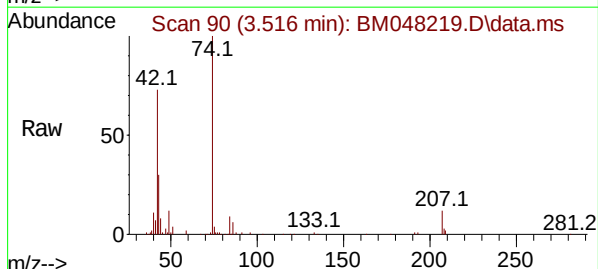
Tgt Ion: 42 Resp: 50129

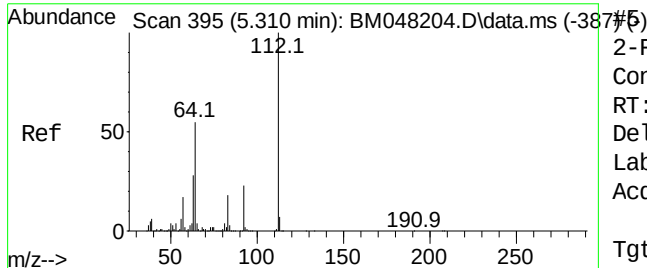
Ion Ratio Lower Upper

42 100

74 136.8 111.8 167.6

44 11.3 6.0 9.0#





2-Fluorophenol

Concen: 88.377 ng

RT: 5.305 min Scan#

Delta R.T. -0.006 min

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ClientSampleId :

LOQ-SOIL-02-QT4-2024

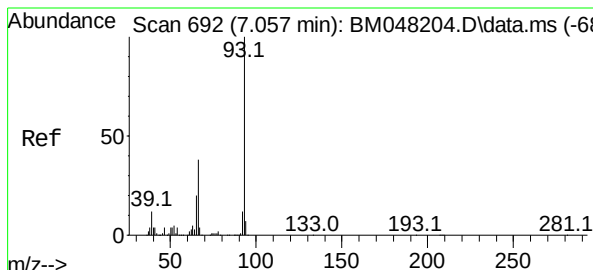
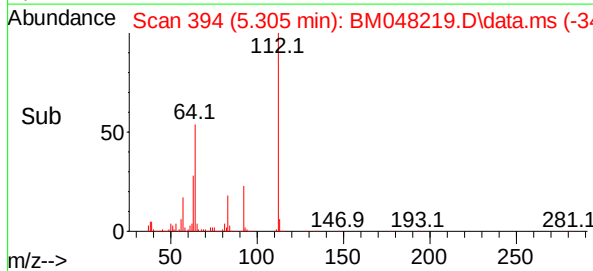
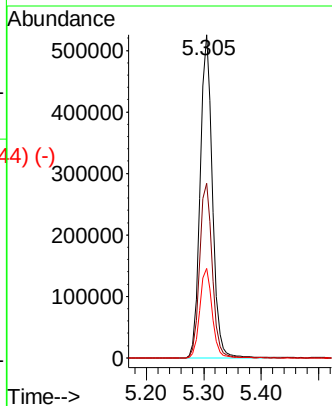
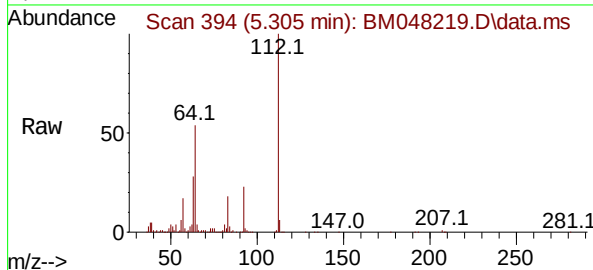
Tgt Ion:112 Resp: 773876

Ion Ratio Lower Upper

112 100

64 54.1 44.2 66.2

63 27.7 22.7 34.1



Aniline

Concen: 15.491 ng

RT: 7.051 min Scan# 691

Delta R.T. -0.006 min

Lab File: BM048219.D

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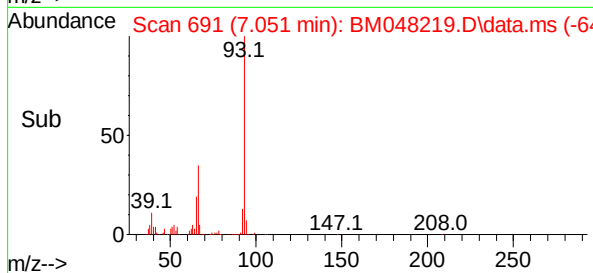
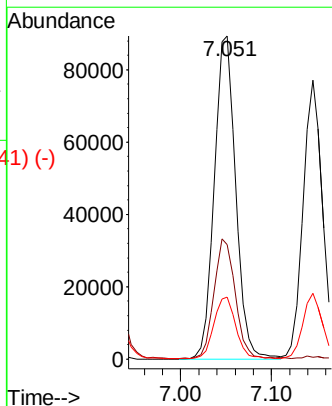
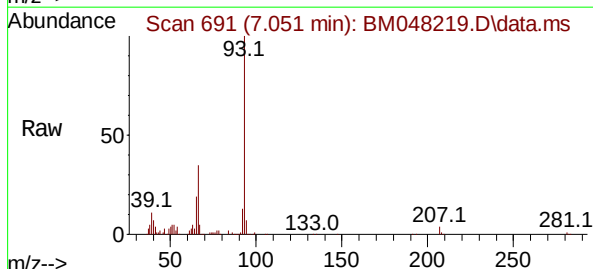
Tgt Ion: 93 Resp: 146640

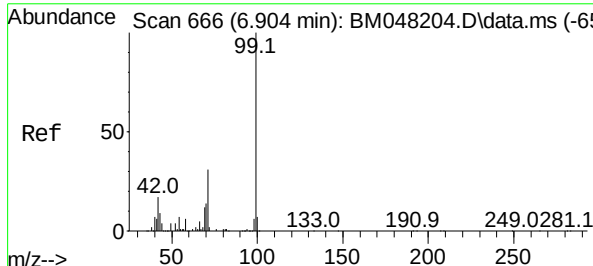
Ion Ratio Lower Upper

93 100

66 35.4 30.2 45.2

65 19.2 16.2 24.2





Phenol-d6

Concen: 88.578 ng

RT: 6.899 min Scan# 666

Delta R.T. -0.006 min

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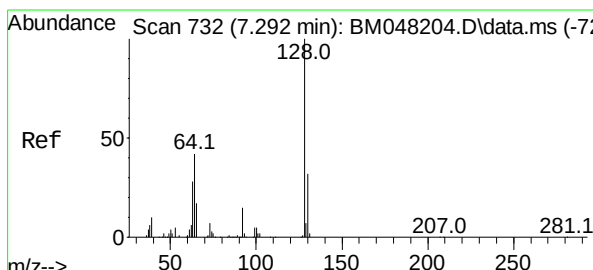
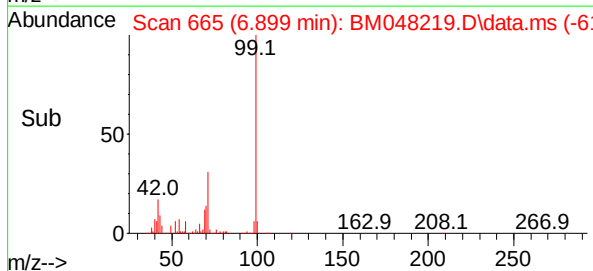
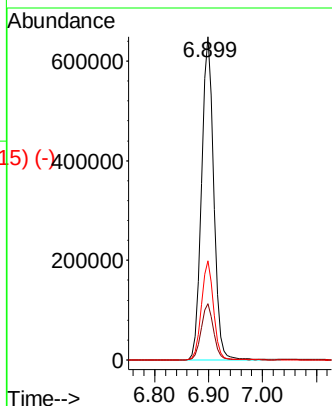
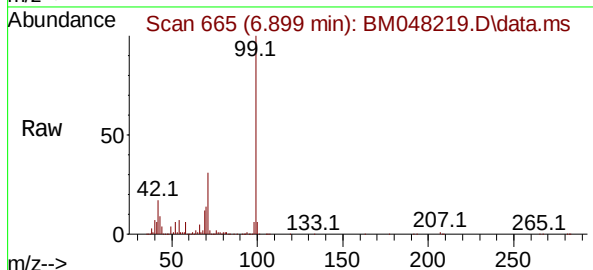
Tgt Ion: 99 Resp: 1010131

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.8

71 30.6 24.9 37.3



2-Chlorophenol

Concen: 12.539 ng

RT: 7.287 min Scan# 731

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

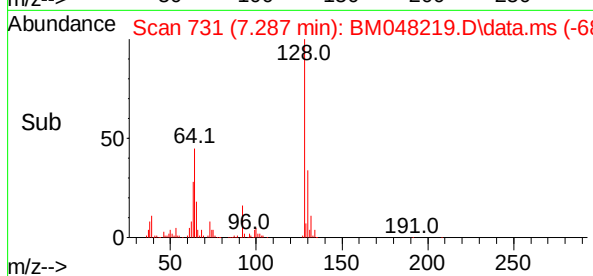
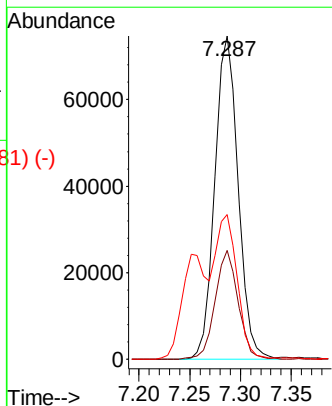
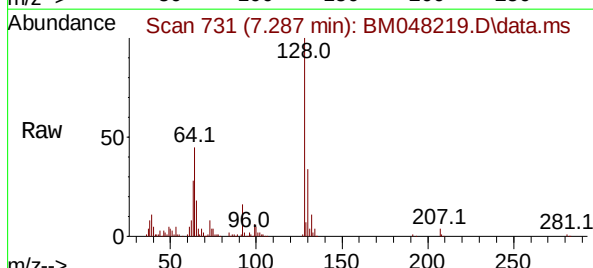
Tgt Ion: 128 Resp: 119286

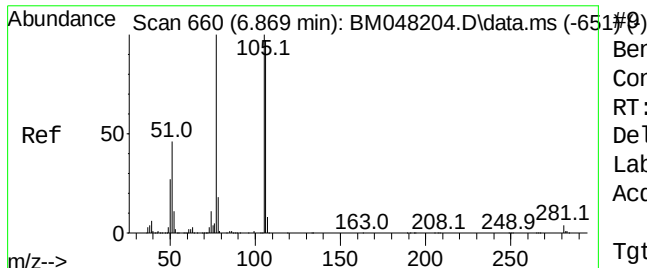
Ion Ratio Lower Upper

128 100

130 33.6 12.1 52.1

64 44.8 23.8 63.8





Benzaldehyde

Concen: 16.968 ng

RT: 6.863 min Scan#

Delta R.T. -0.006 min

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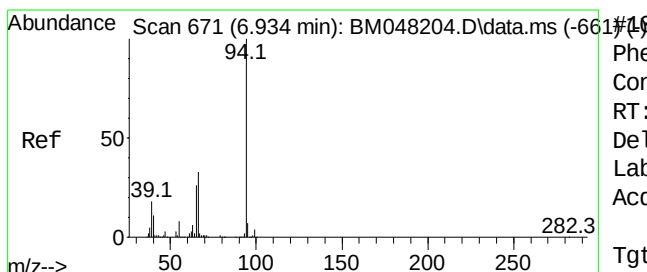
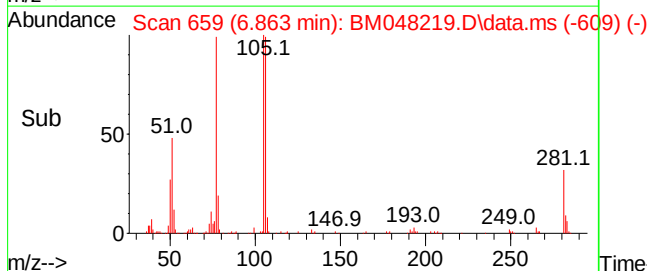
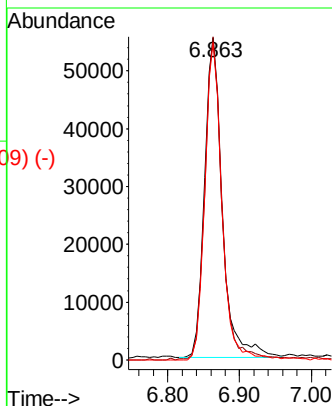
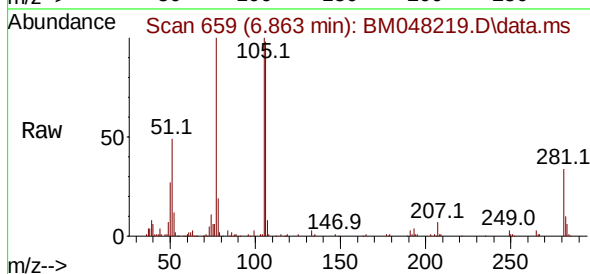
Tgt Ion: 77 Resp: 95067

Ion Ratio Lower Upper

77 100

105 100.5 79.6 119.6

106 98.7 77.0 117.0



Phenol

Concen: 12.589 ng

RT: 6.922 min Scan# 669

Delta R.T. -0.012 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

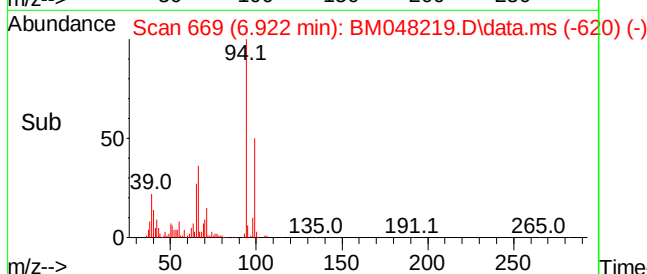
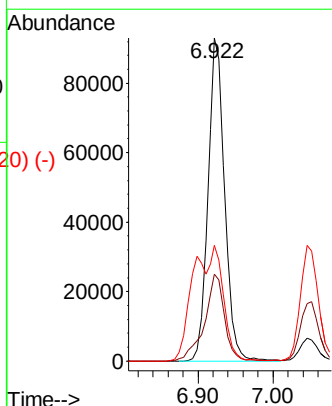
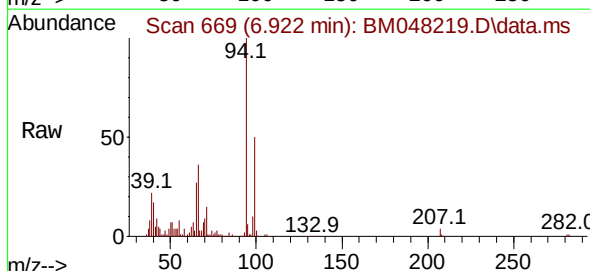
Tgt Ion: 94 Resp: 144433

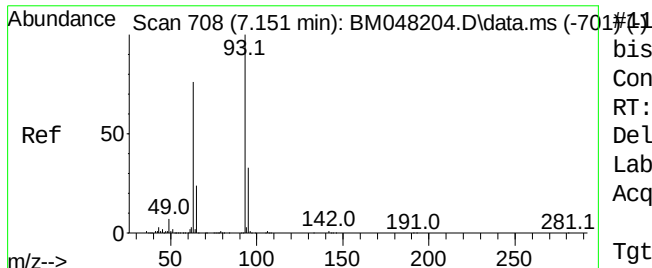
Ion Ratio Lower Upper

94 100

65 26.9 6.5 46.5

66 35.9 13.6 53.6

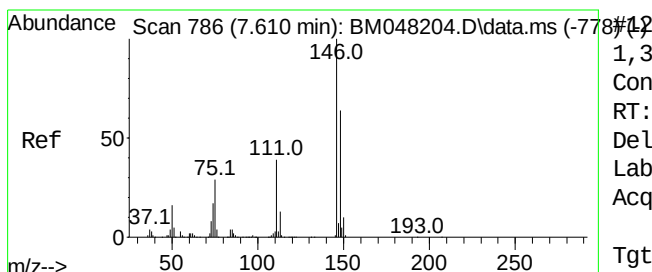
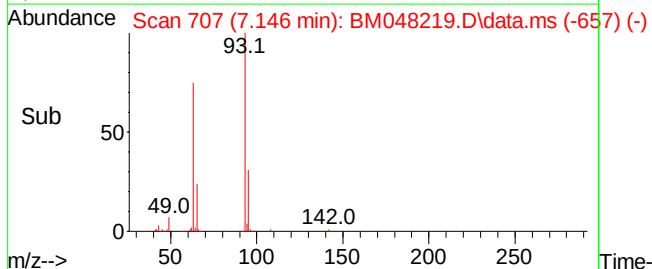
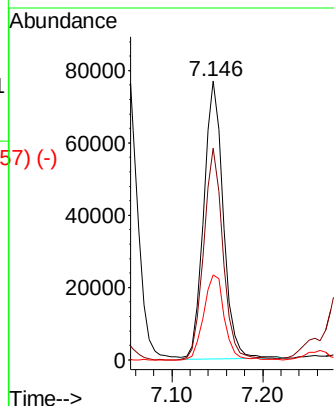
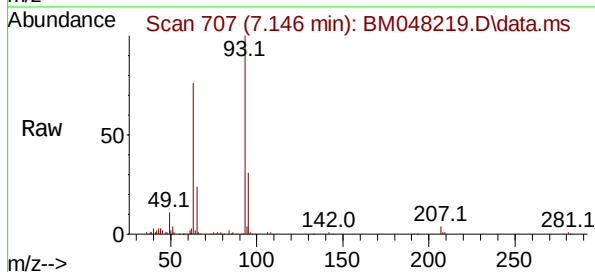




bis(2-Chloroethyl)ether
Concen: 12.530 ng
RT: 7.146 min Scan#
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

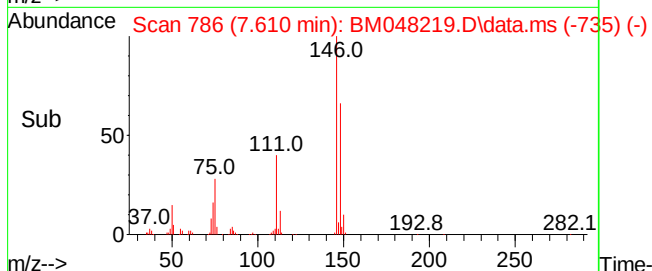
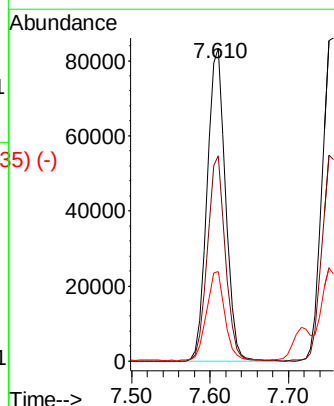
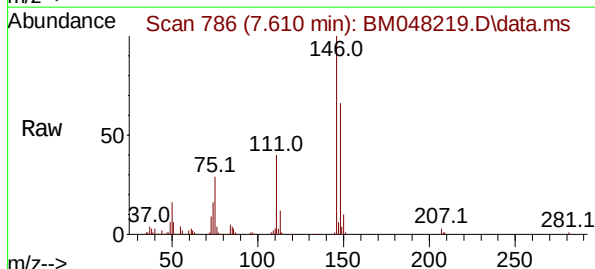
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

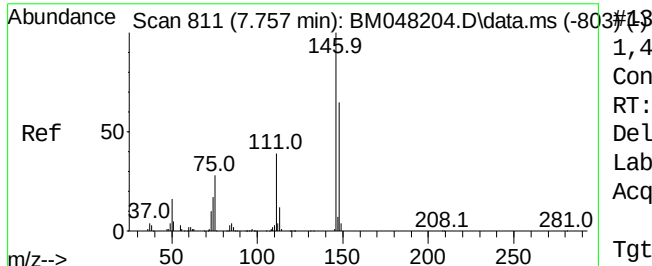
Tgt Ion:	93	Resp:	114508
Ion	Ratio	Lower	Upper
93	100		
63	75.9	55.3	95.3
95	30.5	12.4	52.4



1,3-Dichlorobenzene
Concen: 12.377 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	146	Resp:	135749
Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.0	76.6
75	28.7	22.9	34.3





1,4-Dichlorobenzene

Concen: 12.474 ng

RT: 7.757 min Scan# 811

Delta R.T. 0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

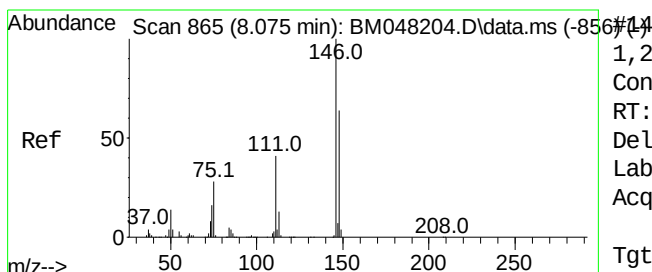
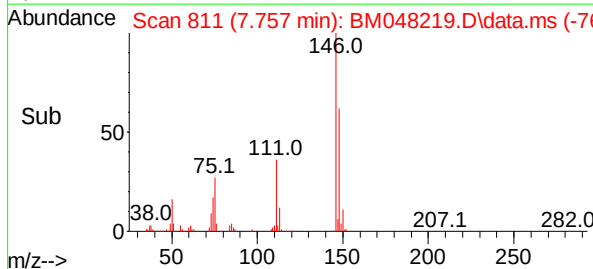
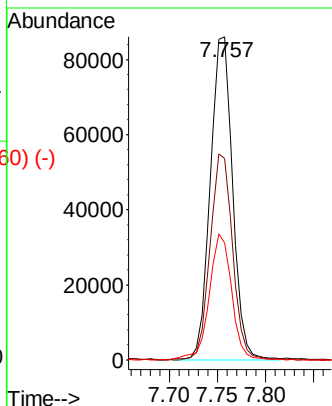
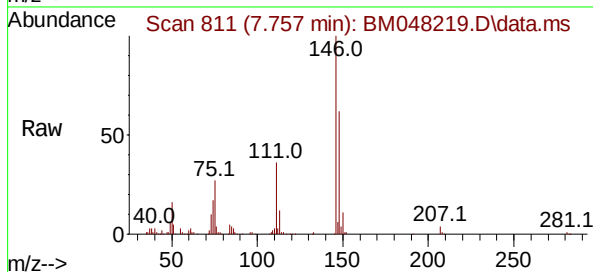
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:146 Resp: 138994

Ion	Ratio	Lower	Upper
146	100		
148	62.4	51.7	77.5
111	36.3	31.4	47.2



1,2-Dichlorobenzene

Concen: 12.409 ng

RT: 8.069 min Scan# 864

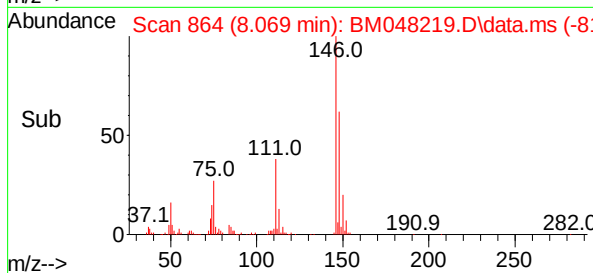
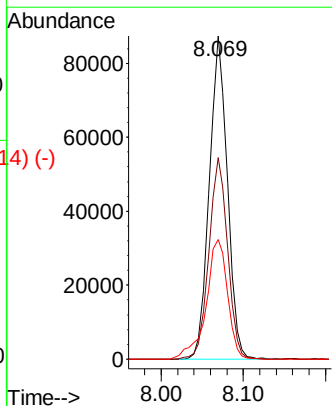
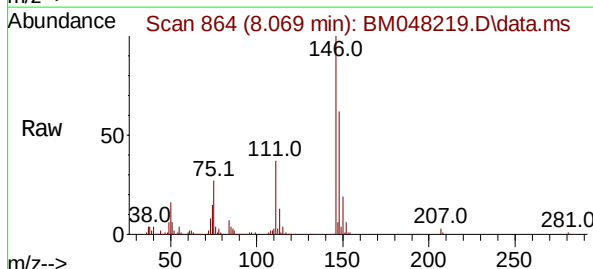
Delta R.T. -0.006 min

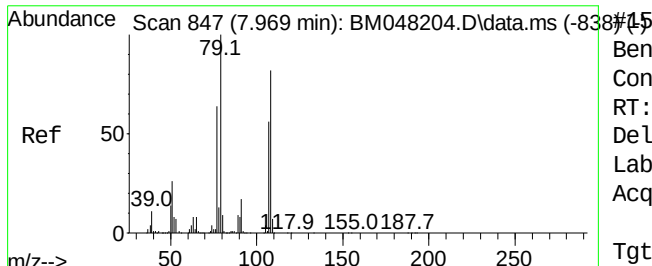
Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Tgt Ion:146 Resp: 133626

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.3	76.9
111	37.0	32.7	49.1





Benzyl Alcohol

Concen: 11.965 ng

RT: 7.969 min Scan# 847

Delta R.T. 0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

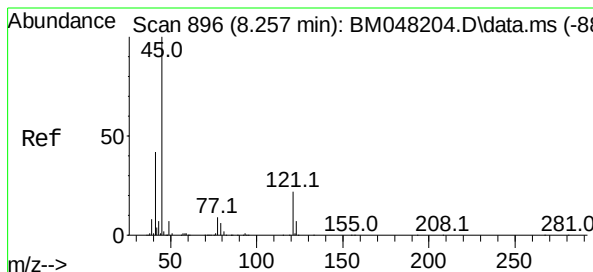
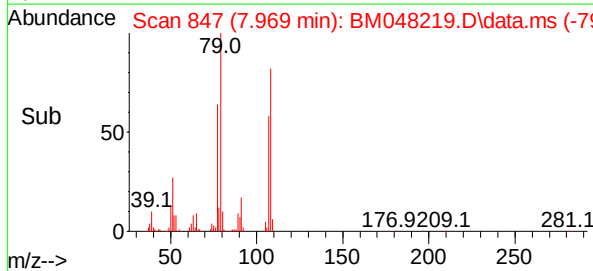
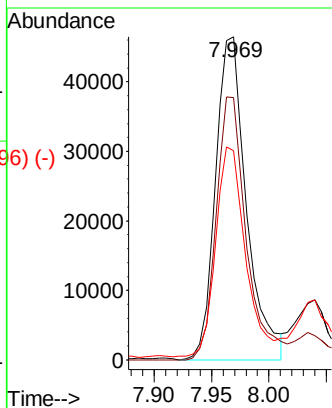
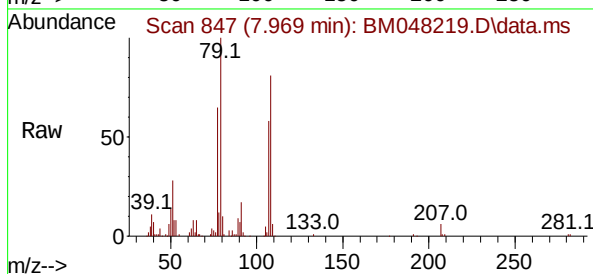
Tgt Ion: 79 Resp: 87049

Ion Ratio Lower Upper

79 100

108 81.3 65.2 97.8

77 64.8 51.4 77.2



2,2'-oxybis(1-Chloropropane)

Concen: 13.272 ng

RT: 8.240 min Scan# 893

Delta R.T. -0.017 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

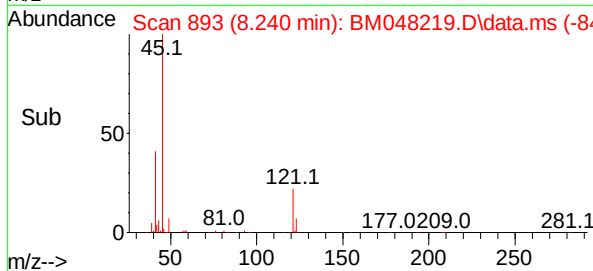
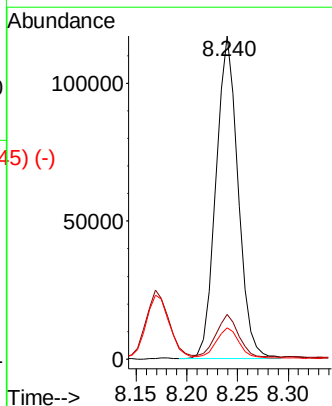
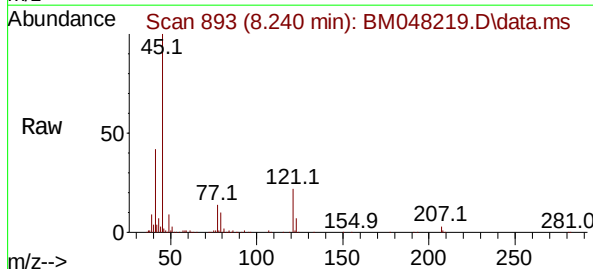
Tgt Ion: 45 Resp: 177404

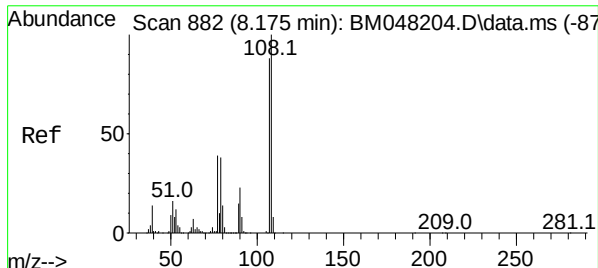
Ion Ratio Lower Upper

45 100

77 13.8 0.0 34.2

79 9.6 0.0 30.7





2-Methylphenol

Concen: 11.352 ng

RT: 8.169 min Scan# 881

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:107 Resp: 86549

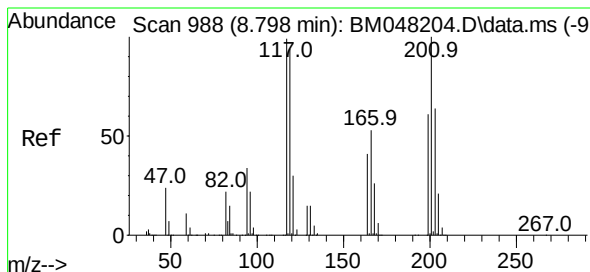
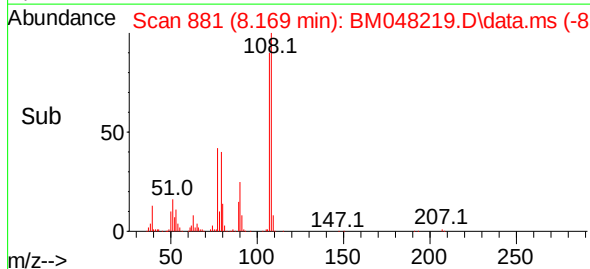
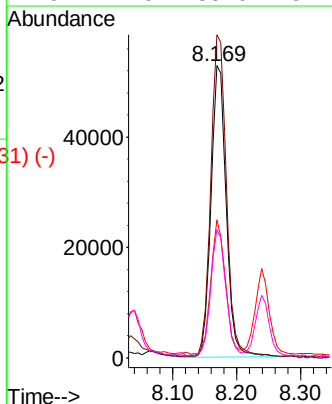
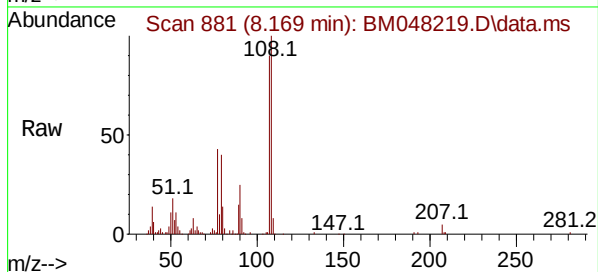
Ion Ratio Lower Upper

107 100

108 110.6 91.3 136.9

77 47.4 36.2 54.2

79 44.0 35.0 52.6



Hexachloroethane

Concen: 12.000 ng

RT: 8.793 min Scan# 987

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

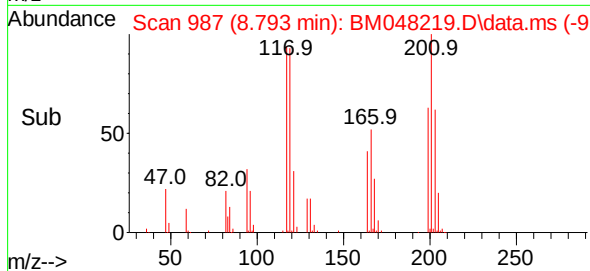
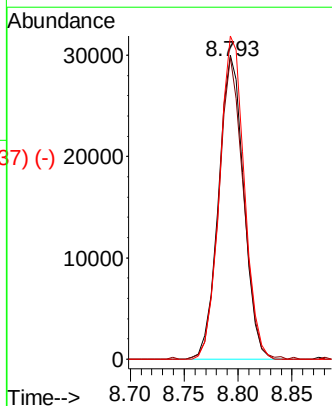
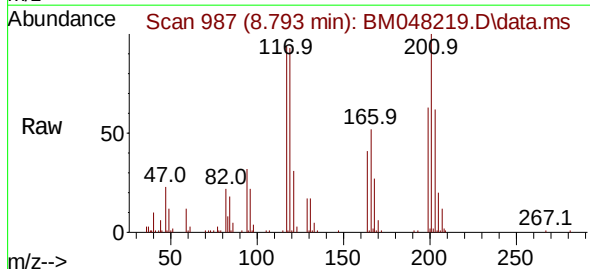
Tgt Ion:117 Resp: 49007

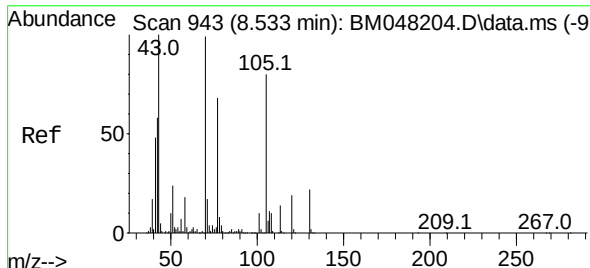
Ion Ratio Lower Upper

117 100

119 99.4 76.5 114.7

201 106.4 80.9 121.3

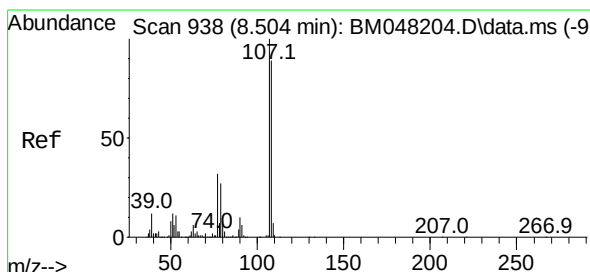
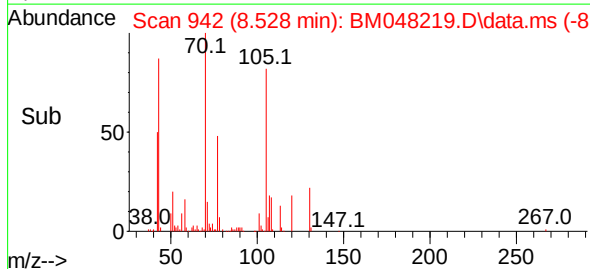
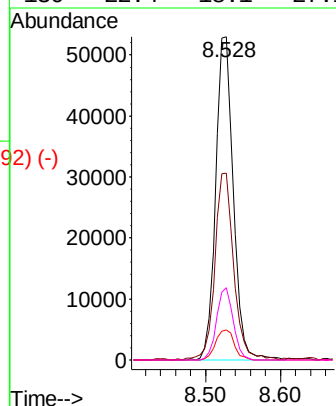
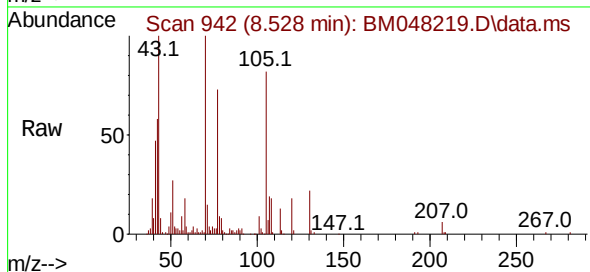




#19
n-Nitroso-di-n-propylamine
Concen: 11.994 ng
RT: 8.528 min Scan# 942
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

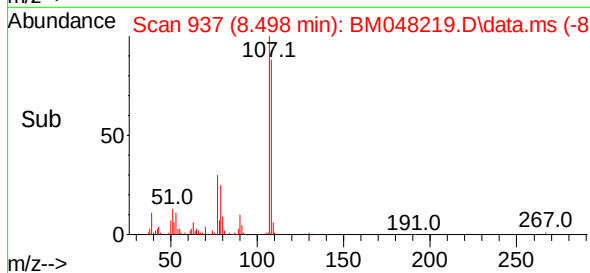
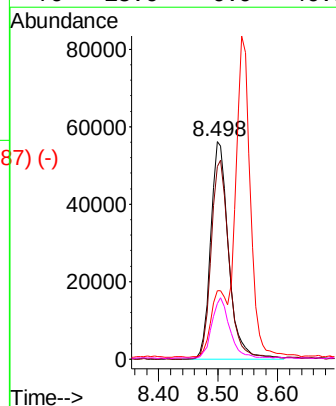
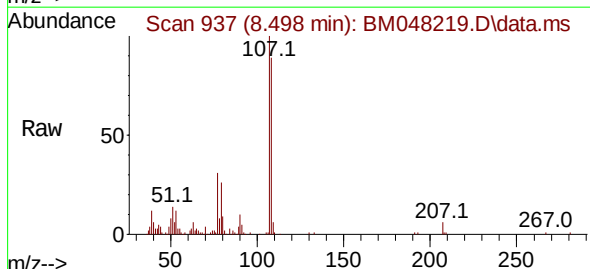
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

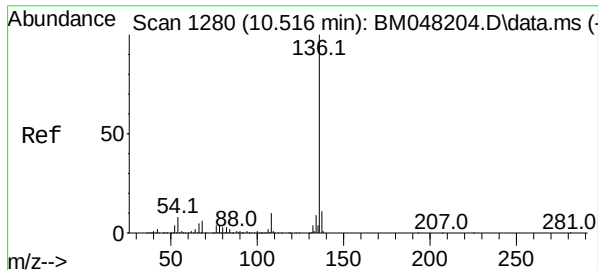
Tgt Ion:	70	Resp:	86534
Ion	Ratio	Lower	Upper
70	100		
42	57.9	47.0	70.6
101	9.3	7.8	11.6
130	22.4	18.1	27.1



#20
3+4-Methylphenols
Concen: 11.139 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	107	Resp:	117647
Ion	Ratio	Lower	Upper
107	100		
108	88.5	69.0	109.0
77	31.4	12.3	52.3
79	25.6	6.9	46.9

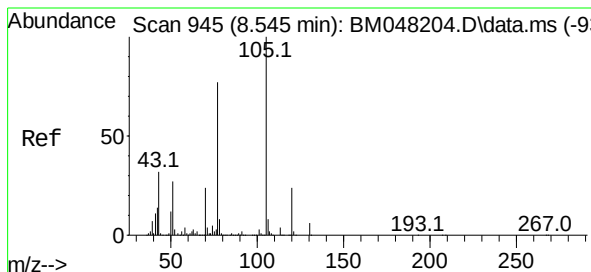
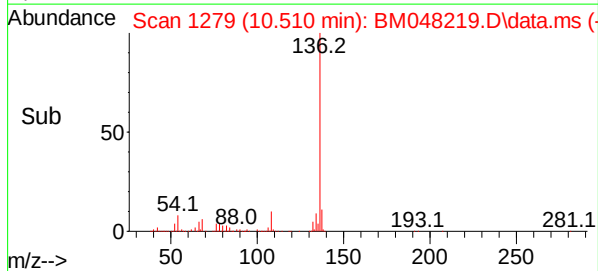
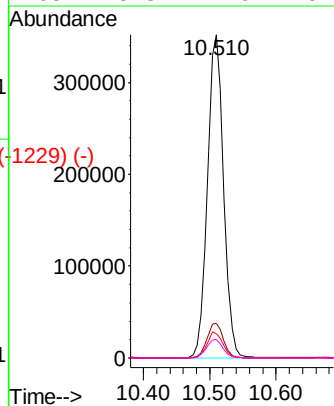
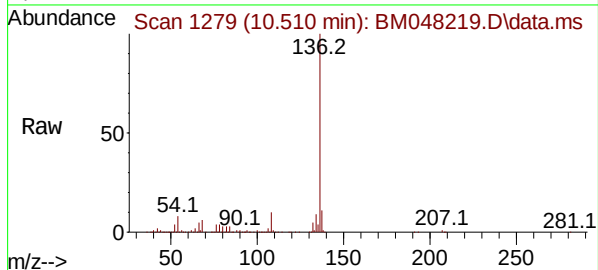




Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

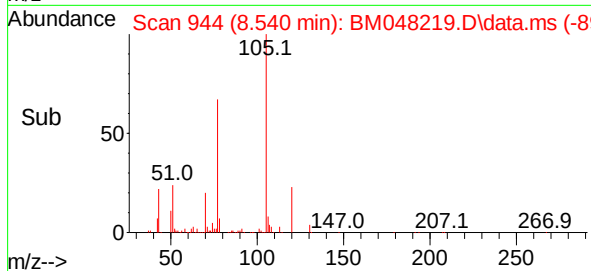
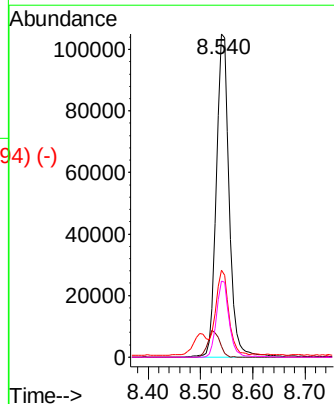
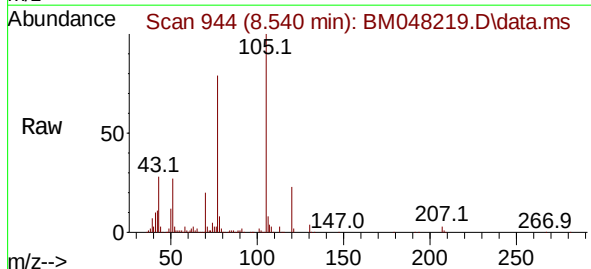
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

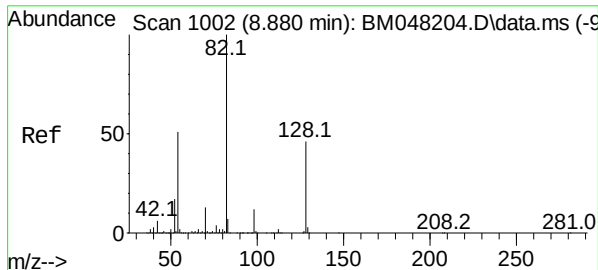
Tgt Ion:	136	Resp:	597677
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.6	6.5	9.7
68	5.8	4.6	6.8



Acetophenone
Concen: 12.306 ng
RT: 8.540 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	105	Resp:	179504
Ion	Ratio	Lower	Upper
105	100		
71	3.3	3.4	5.0#
51	27.0	21.7	32.5
120	23.5	19.0	28.4





Nitrobenzene-d5

Concen: 61.990 ng

RT: 8.875 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

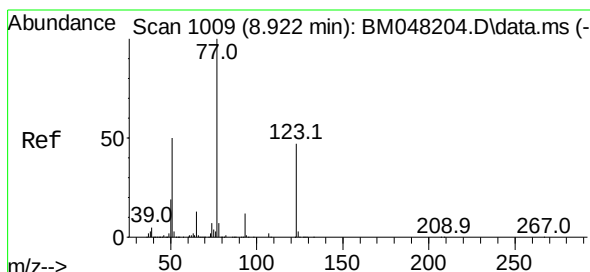
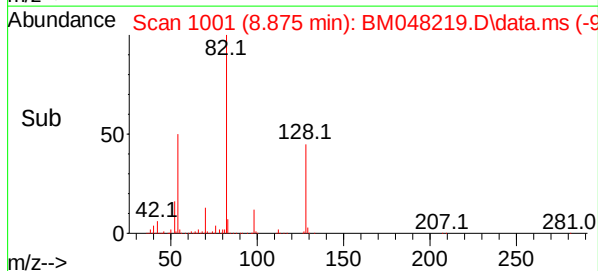
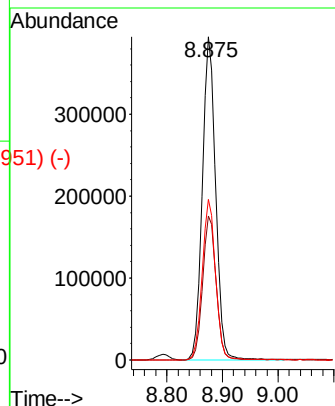
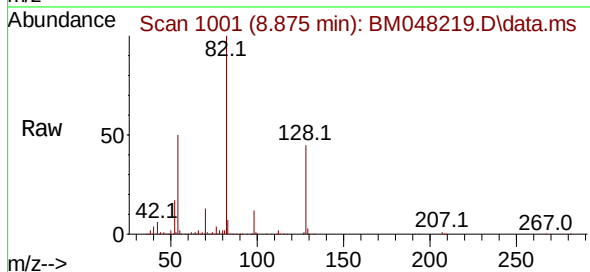
Tgt Ion: 82 Resp: 656183

Ion Ratio Lower Upper

82 100

128 44.5 36.6 54.8

54 49.6 41.0 61.4



Nitrobenzene

Concen: 11.451 ng

RT: 8.916 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

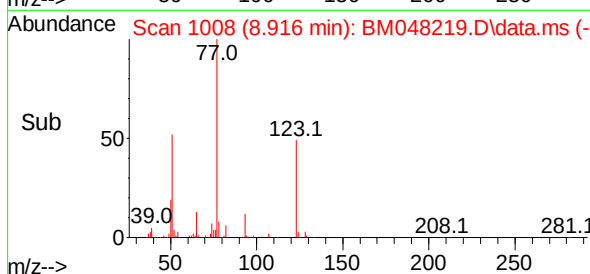
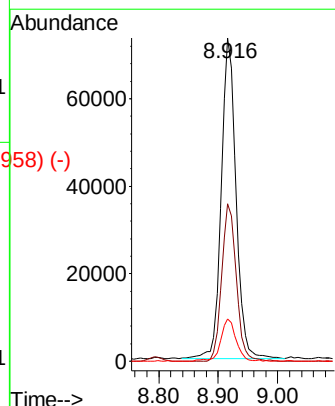
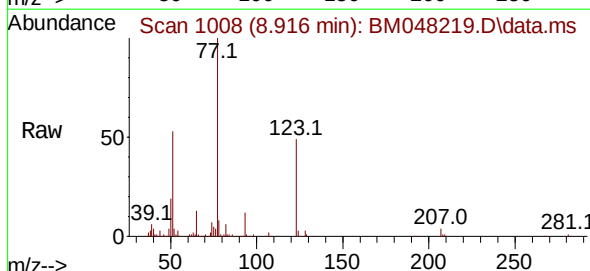
Tgt Ion: 77 Resp: 125585

Ion Ratio Lower Upper

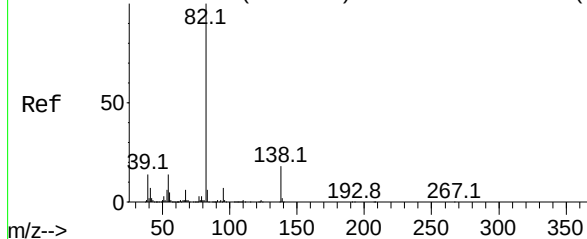
77 100

123 48.7 37.8 56.6

65 13.0 10.4 15.6



Abundance Scan 1099 (9.451 min): BM048204.D\data.ms (-1099) (-)



Isophorone

Concen: 11.999 ng

RT: 9.445 min Scan# 1099

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 82 Resp: 232813

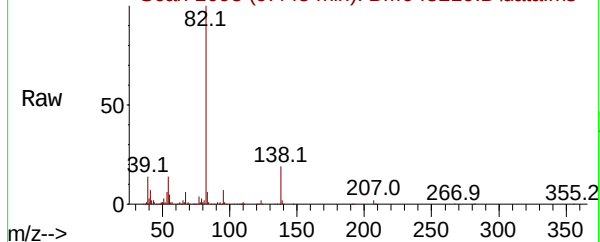
Ion Ratio Lower Upper

82 100

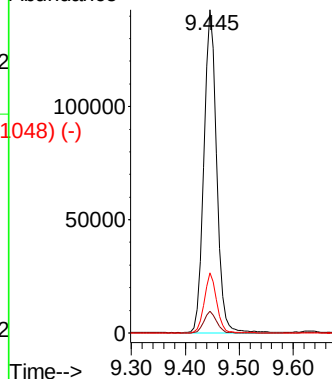
95 6.7 5.3 7.9

138 18.5 14.3 21.5

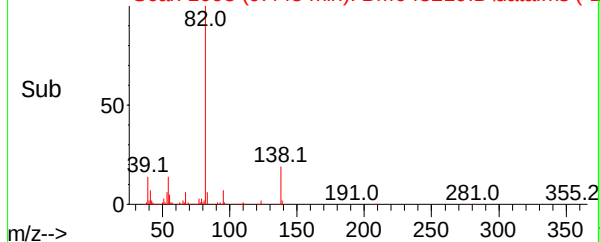
Abundance Scan 1098 (9.445 min): BM048219.D\data.ms



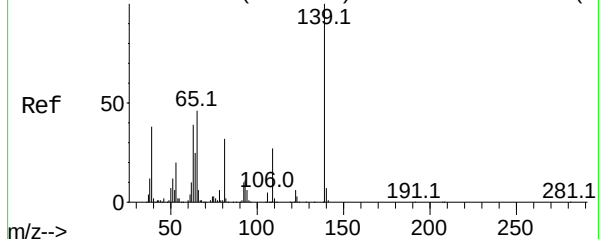
Abundance



Abundance Scan 1098 (9.445 min): BM048219.D\data.ms (-1048) (-)



Abundance Scan 1130 (9.633 min): BM048204.D\data.ms (-1130) (-)



2-Nitrophenol

Concen: 10.876 ng

RT: 9.634 min Scan# 1130

Delta R.T. 0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Tgt Ion:139 Resp: 55075

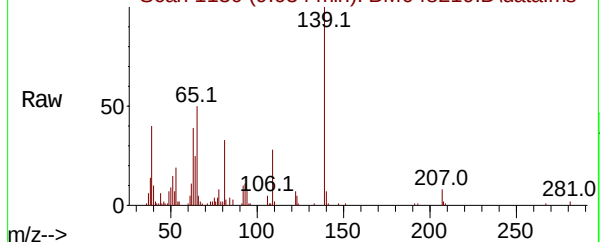
Ion Ratio Lower Upper

139 100

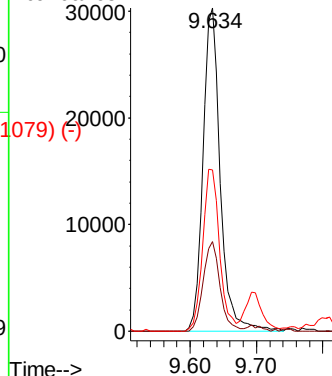
109 27.8 21.2 31.8

65 49.8 36.8 55.2

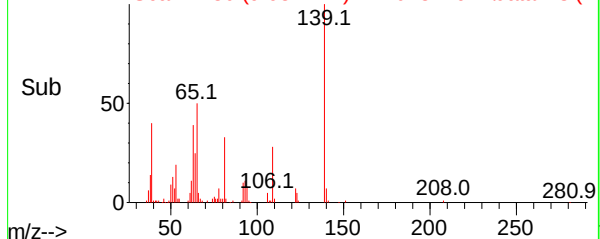
Abundance Scan 1130 (9.634 min): BM048219.D\data.ms

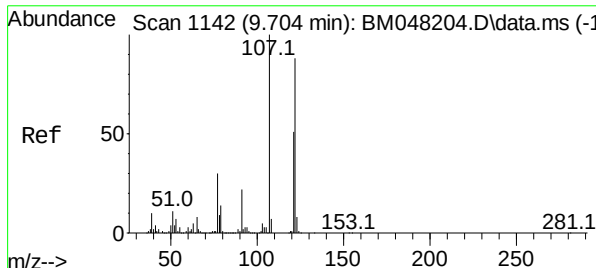


Abundance



Abundance Scan 1130 (9.634 min): BM048219.D\data.ms (-1079) (-)

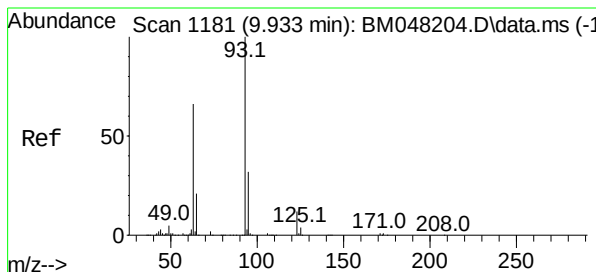
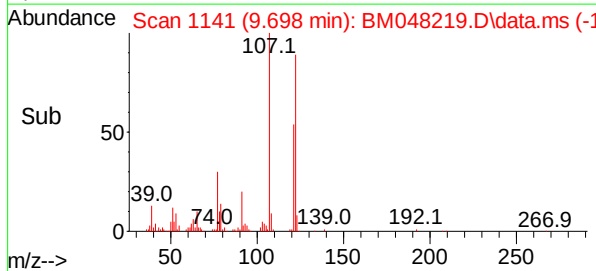
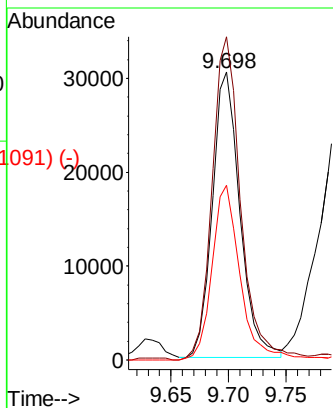
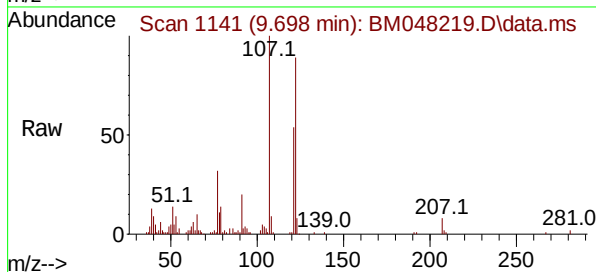




2,4-Dimethylphenol
Concen: 8.255 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

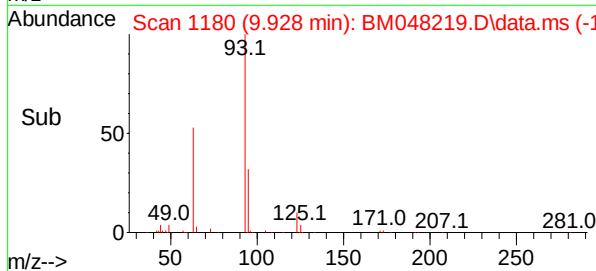
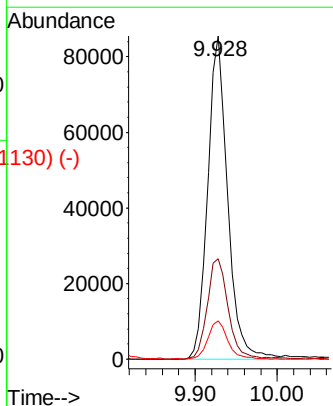
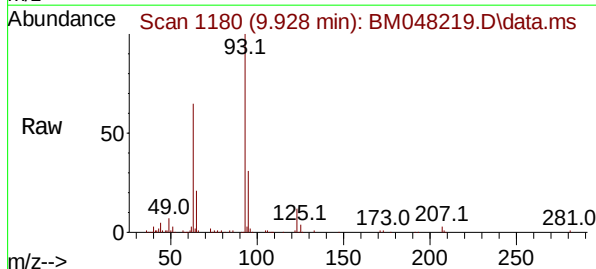
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

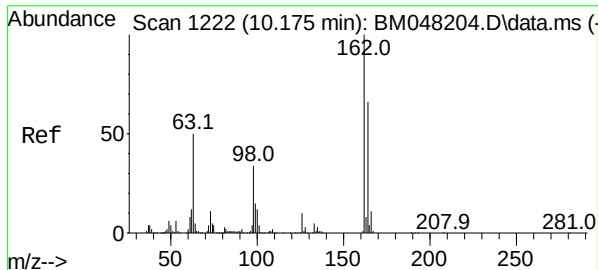
Tgt Ion:	122	Resp:	50720
Ion	Ratio	Lower	Upper
122	100		
107	112.3	91.0	136.6
121	60.7	46.1	69.1



bis(2-Chloroethoxy)methane
Concen: 11.739 ng
RT: 9.928 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	93	Resp:	144138
Ion	Ratio	Lower	Upper
93	100		
95	31.0	25.3	37.9
123	11.8	9.8	14.6

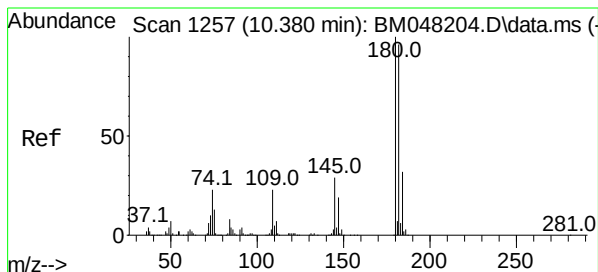
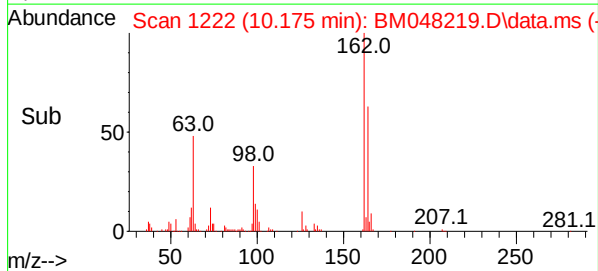
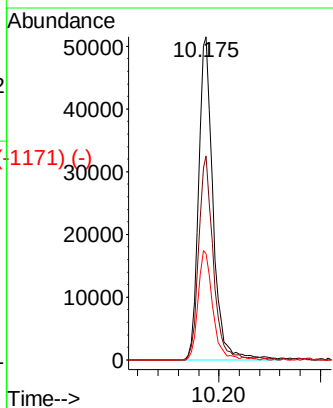
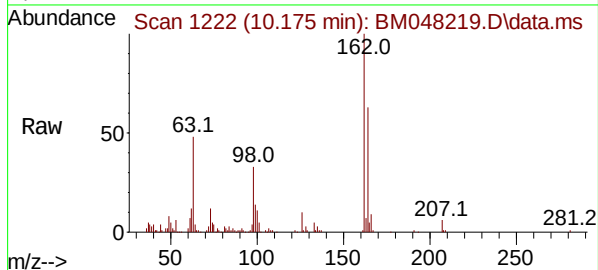




2,4-Dichlorophenol
Concen: 11.493 ng
RT: 10.175 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

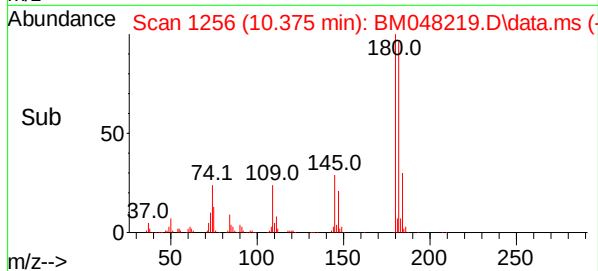
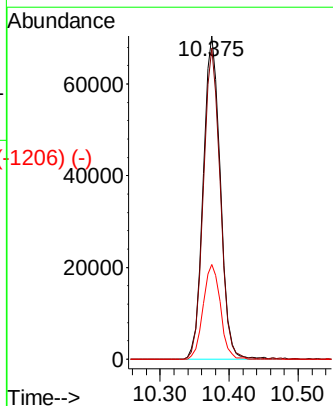
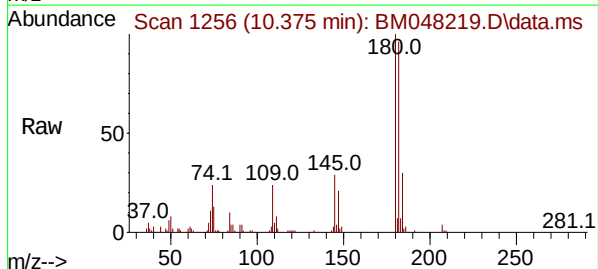
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

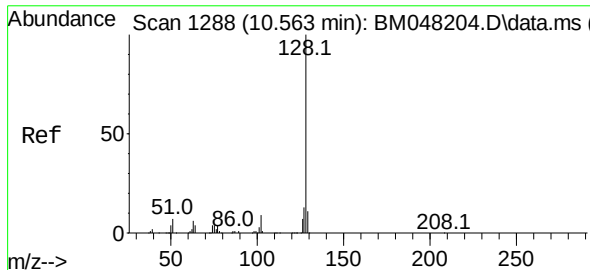
Tgt Ion:	162	Resp:	101575
Ion	Ratio	Lower	Upper
162	100		
164	63.1	46.0	86.0
98	32.8	14.4	54.4



1,2,4-Trichlorobenzene
Concen: 11.907 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	180	Resp:	120524
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	115.0
145	29.4	23.4	35.2

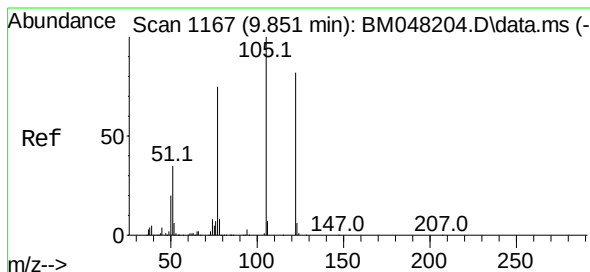
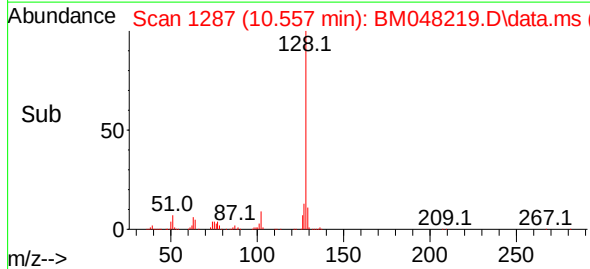
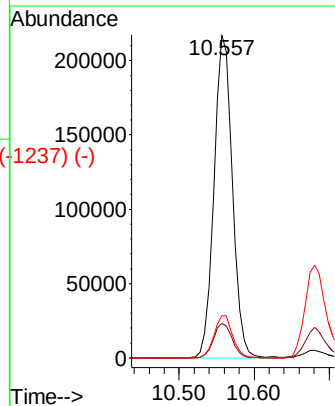
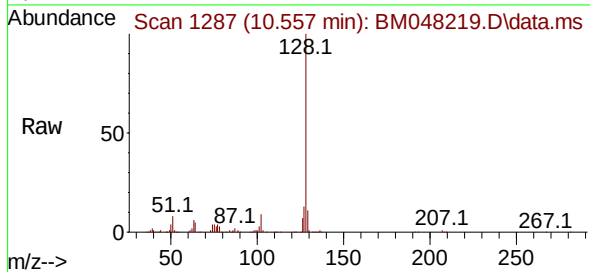




Naphthalene
Concen: 11.861 ng
RT: 10.557 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

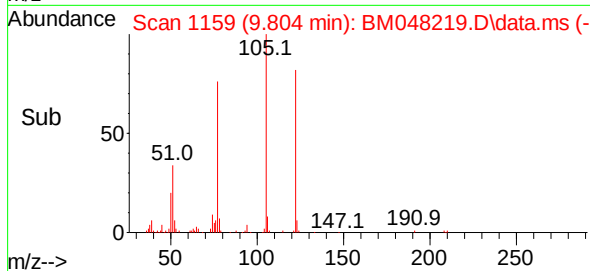
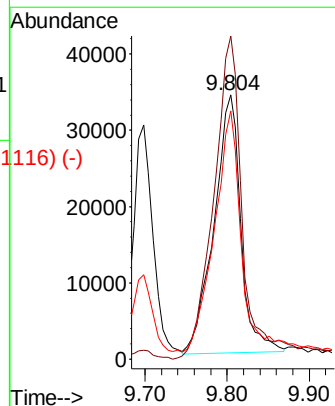
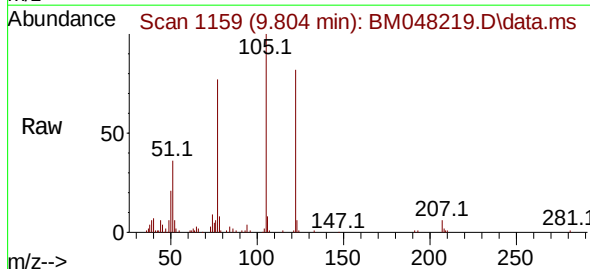
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

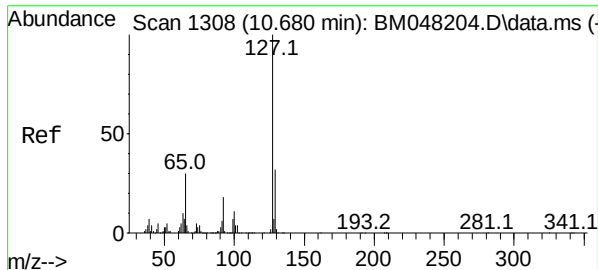
Tgt Ion:	128	Resp:	369740
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.1	10.2	15.2



Benzoic acid
Concen: 11.246 ng
RT: 9.804 min Scan# 1159
Delta R.T. -0.047 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	122	Resp:	76911
Ion	Ratio	Lower	Upper
122	100		
105	122.3	99.3	139.3
77	93.9	70.4	110.4

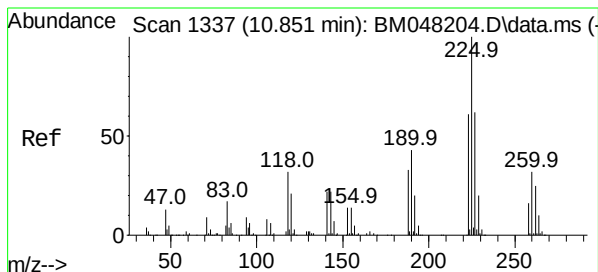
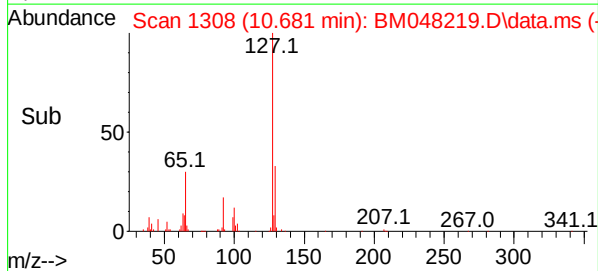
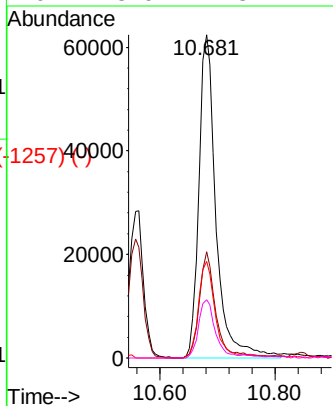
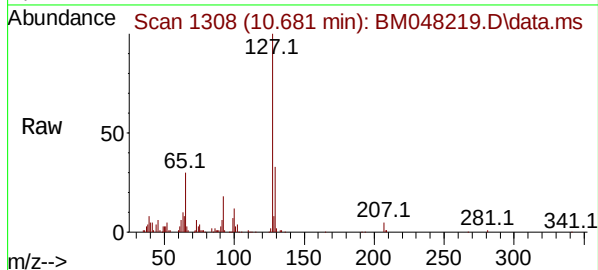




4-Chloroaniline
Concen: 12.758 ng
RT: 10.681 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

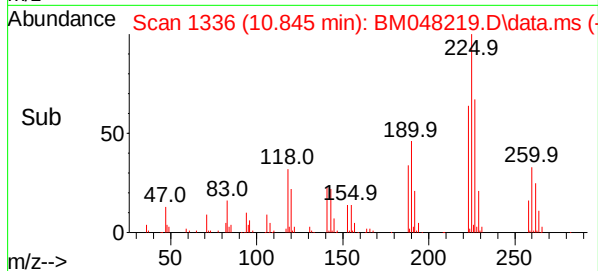
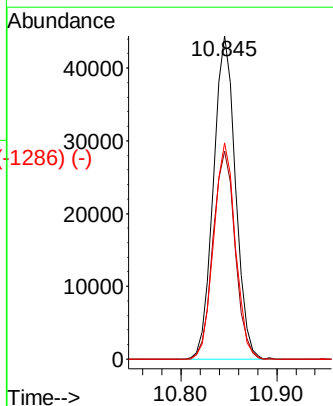
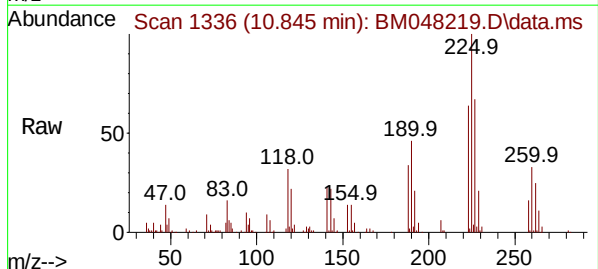
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

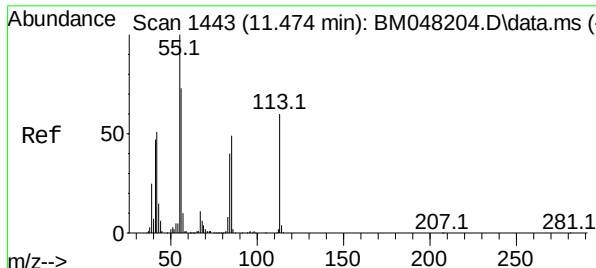
Tgt Ion:	127	Resp:	128986
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.8	38.6
65	30.0	23.7	35.5
92	18.0	14.3	21.5



Hexachlorobutadiene
Concen: 11.300 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	225	Resp:	70889
Ion	Ratio	Lower	Upper
225	100		
223	64.4	48.6	73.0
227	67.0	49.6	74.4

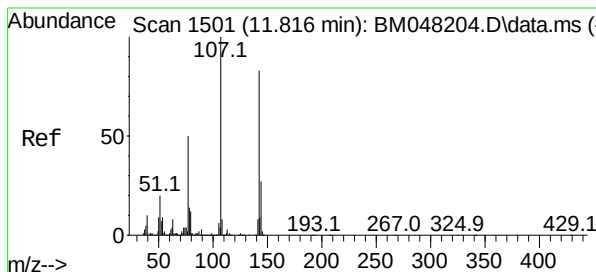
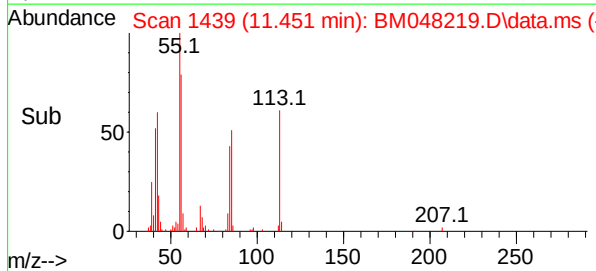
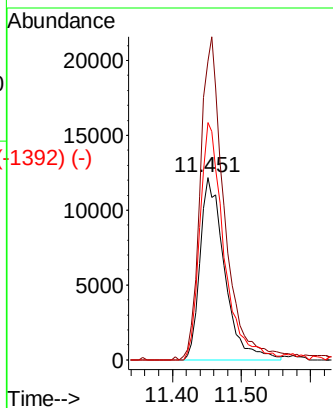
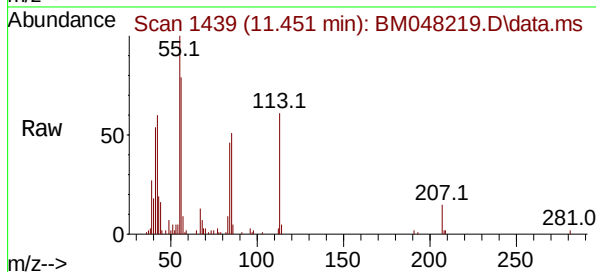




Caprolactam
Concen: 10.475 ng
RT: 11.451 min Scan# 1439
Delta R.T. -0.023 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

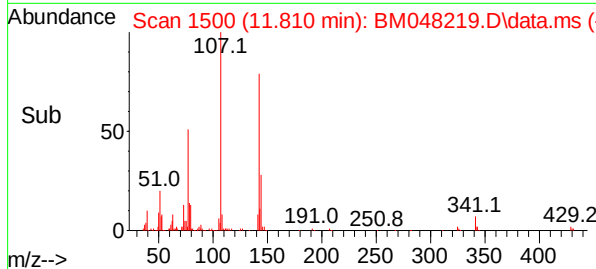
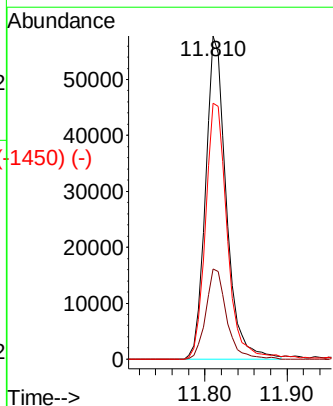
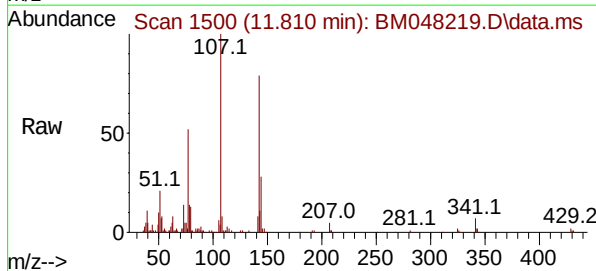
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	113	Resp:	30073
Ion	Ratio	Lower	Upper
113	100		
55	163.9	146.1	186.1
56	130.2	101.9	141.9

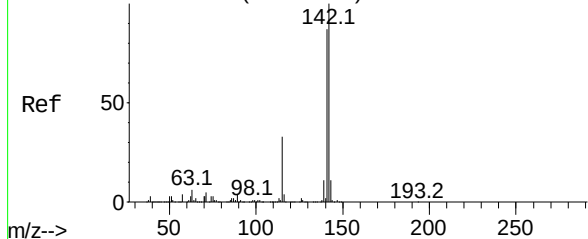


4-Chloro-3-methylphenol
Concen: 10.965 ng
RT: 11.810 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	107	Resp:	101163
Ion	Ratio	Lower	Upper
107	100		
144	28.0	21.5	32.3
142	79.2	66.8	100.2



Abundance Scan 1563 (12.180 min): BM048204.D\data.ms (-1537) (-)



2-Methylnaphthalene

Concen: 11.744 ng

RT: 12.175 min Scan# 1563

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:142 Resp: 244594

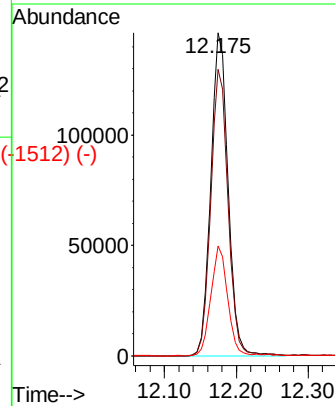
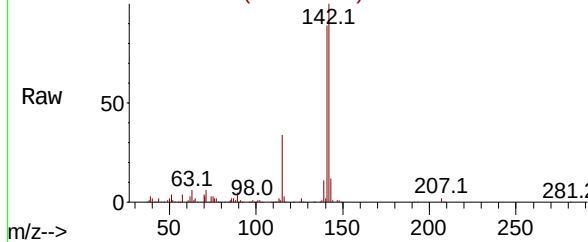
Ion Ratio Lower Upper

142 100

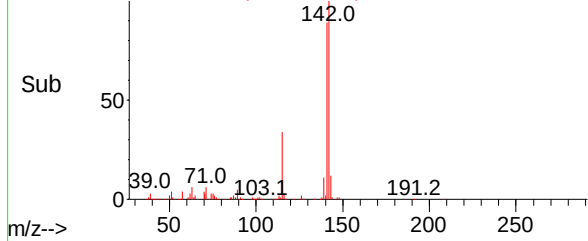
141 88.7 69.8 104.6

115 34.1 26.3 39.5

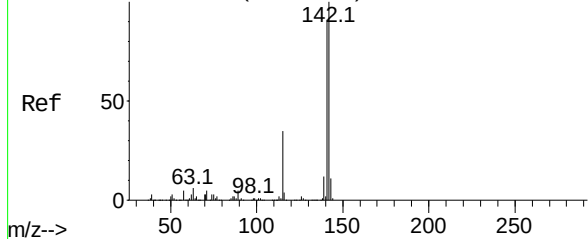
Abundance Scan 1562 (12.175 min): BM048219.D\data.ms



Abundance Scan 1562 (12.175 min): BM048219.D\data.ms (-1512) (-)



Abundance Scan 1601 (12.404 min): BM048204.D\data.ms (-1538) (-)



1-Methylnaphthalene

Concen: 11.160 ng

RT: 12.398 min Scan# 1600

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Tgt Ion:142 Resp: 230489

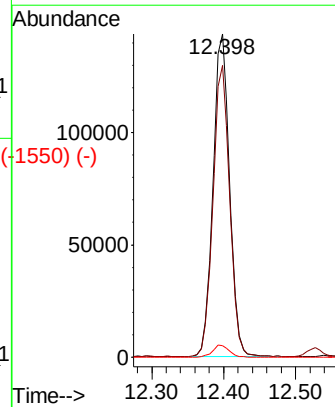
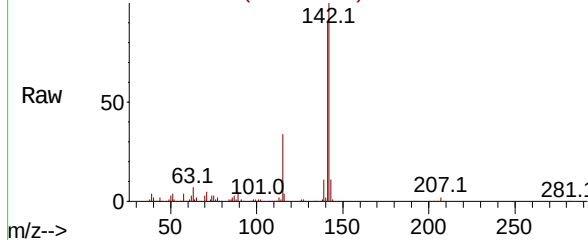
Ion Ratio Lower Upper

142 100

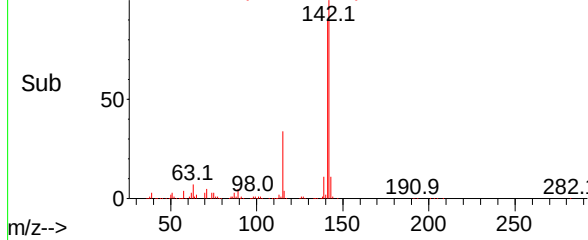
141 90.3 72.7 109.1

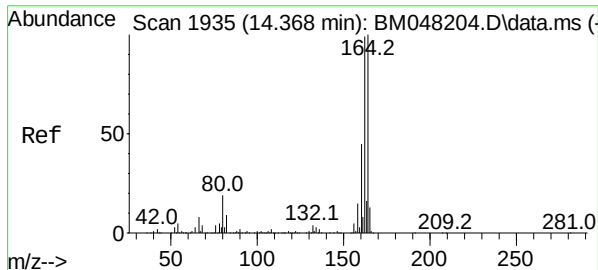
116 3.6 2.9 4.3

Abundance Scan 1600 (12.398 min): BM048219.D\data.ms



Abundance Scan 1600 (12.398 min): BM048219.D\data.ms (-1550) (-)





Acenaphthene-d10

Concen: 20.000 ng

RT: 14.363 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

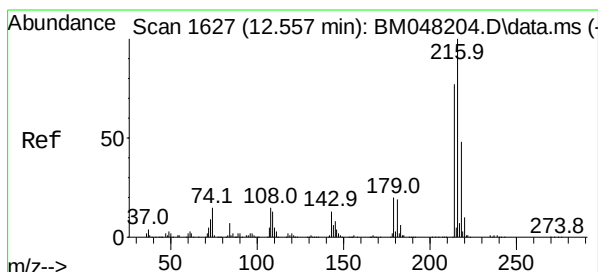
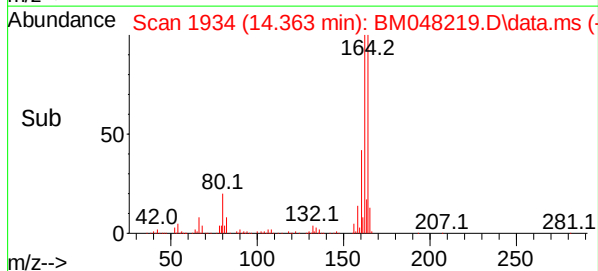
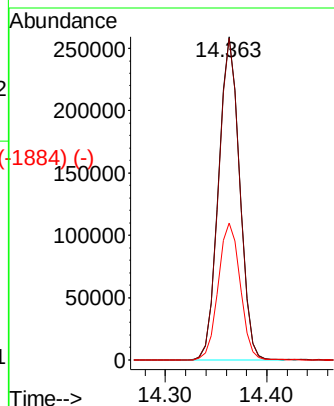
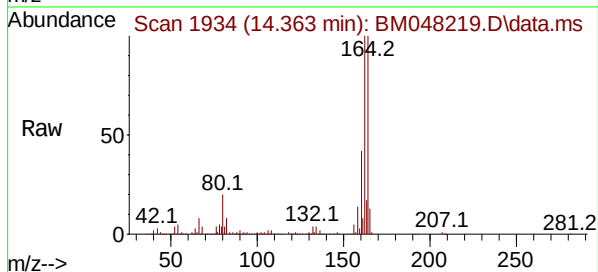
Tgt Ion:164 Resp: 374215

Ion Ratio Lower Upper

164 100

162 99.7 79.1 118.7

160 42.4 35.8 53.8



1,2,4,5-Tetrachlorobenzene

Concen: 12.367 ng

RT: 12.551 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Tgt Ion:216 Resp: 132276

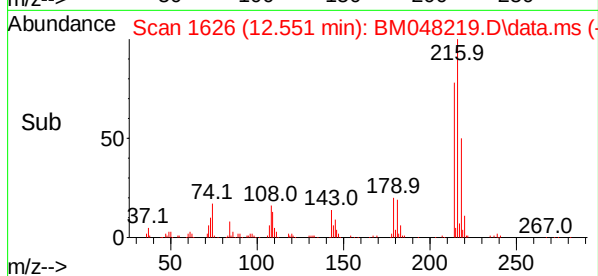
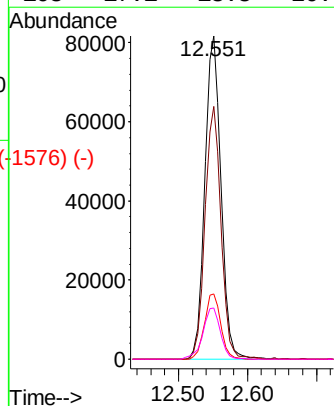
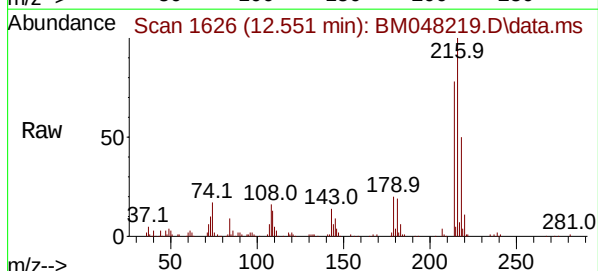
Ion Ratio Lower Upper

216 100

214 77.6 62.2 93.2

179 20.3 16.0 24.0

108 17.1 13.8 20.8



Abundance Scan 1623 (12.533 min): BM048204.D\data.ms (-1641) (-)

Hexachlorocyclopentadiene

Concen: 13.020 ng

RT: 12.528 min Scan# 1641

Delta R.T. -0.006 min

Lab File: BM048219.D

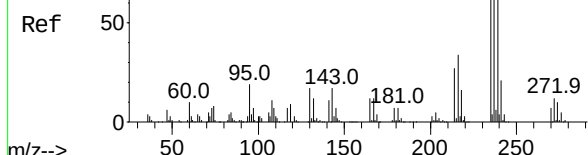
Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



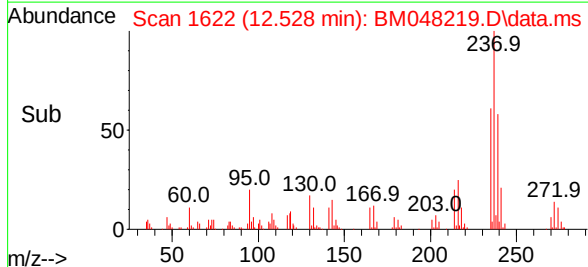
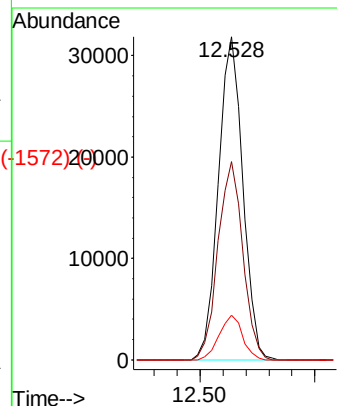
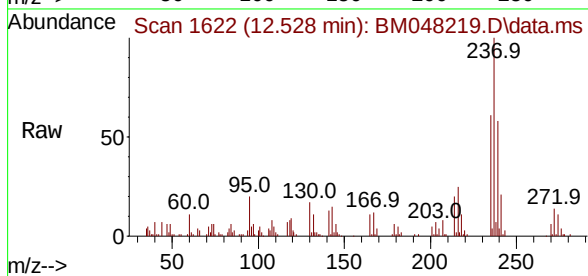
Tgt Ion: 237 Resp: 47125

Ion Ratio Lower Upper

237 100

235 61.4 44.2 84.2

272 13.8 0.0 32.4



Abundance Scan 2188 (15.857 min): BM048204.D\data.ms (-2142) (-)

2,4,6-Tribromophenol

Concen: 86.569 ng

RT: 15.857 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

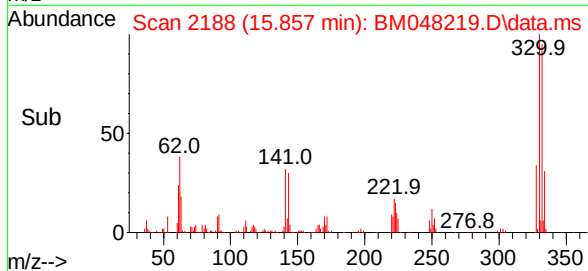
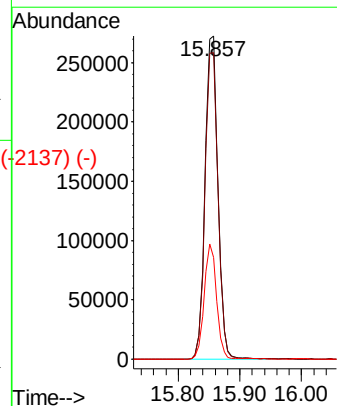
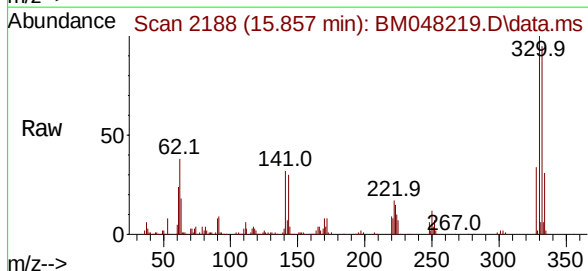
Tgt Ion: 330 Resp: 396522

Ion Ratio Lower Upper

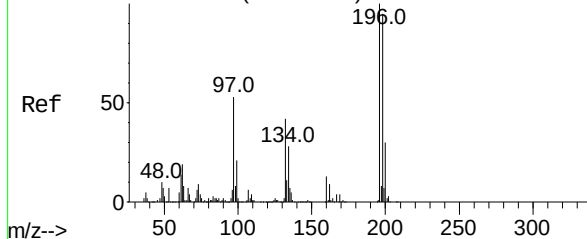
330 100

332 96.2 77.5 116.3

141 34.2 27.5 41.3



Abundance Scan 1668 (12.798 min): BM048204.D\data.ms (-1643) (-)

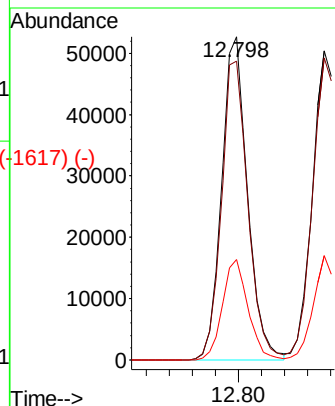
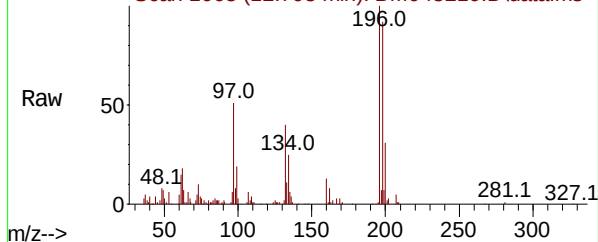


2,4,6-Trichlorophenol
Concen: 11.585 ng
RT: 12.798 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

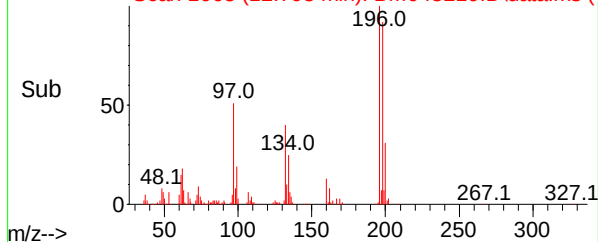
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	196	Resp:	82231
Ion	Ratio	Lower	Upper
196	100		
198	92.4	76.2	114.2
200	31.0	24.2	36.2

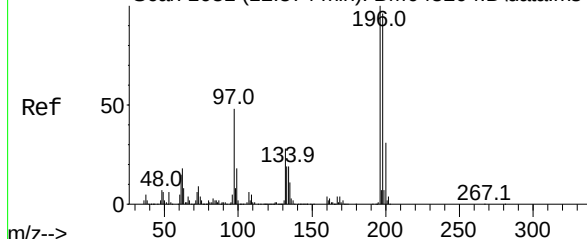
Abundance Scan 1668 (12.798 min): BM048219.D\data.ms



Abundance Scan 1668 (12.798 min): BM048219.D\data.ms (-1617) (-)



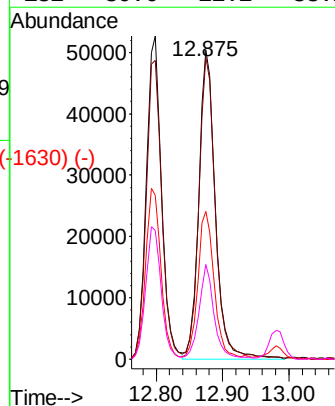
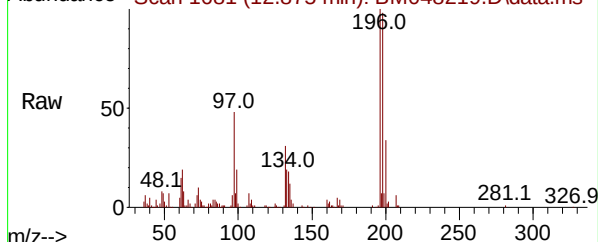
Abundance Scan 1681 (12.874 min): BM048204.D\data.ms (-1644) (-)



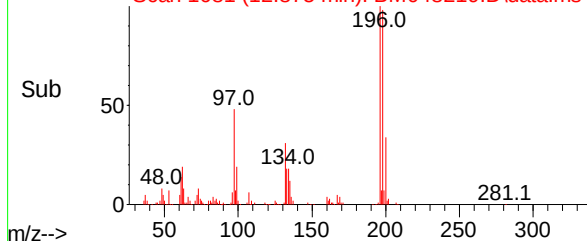
2,4,5-Trichlorophenol
Concen: 11.155 ng
RT: 12.875 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	196	Resp:	88293
Ion	Ratio	Lower	Upper
196	100		
198	97.7	76.7	115.1
97	47.9	38.5	57.7
132	30.6	22.2	33.2

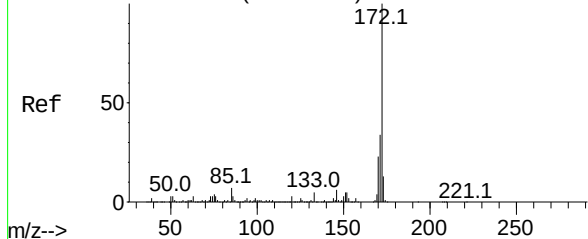
Abundance Scan 1681 (12.875 min): BM048219.D\data.ms



Abundance Scan 1681 (12.875 min): BM048219.D\data.ms (-1630) (-)



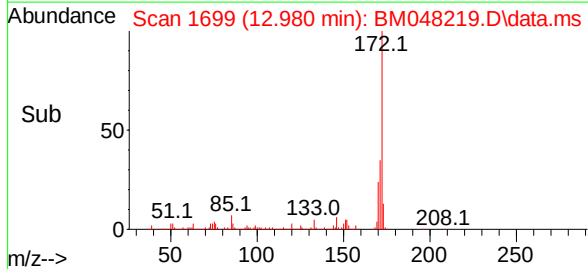
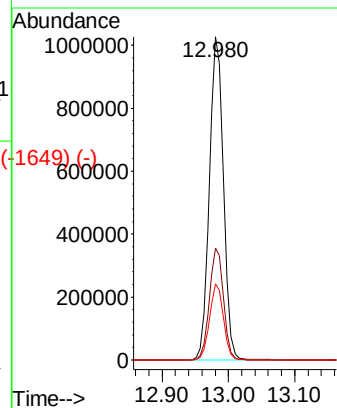
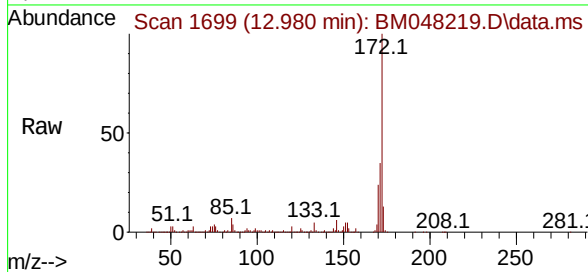
Abundance Scan 1700 (12.986 min): BM048204.D\data.ms (-1645) (-)



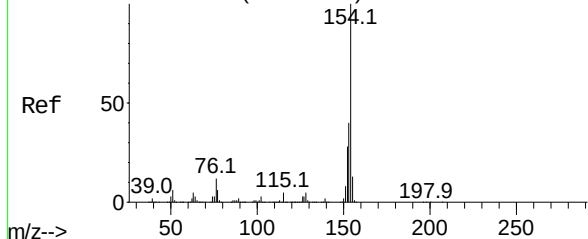
2-Fluorobiphenyl
Concen: 62.624 ng
RT: 12.980 min Scan# 1699
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:172 Resp: 1527193
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.0
170 23.6 18.5 27.7

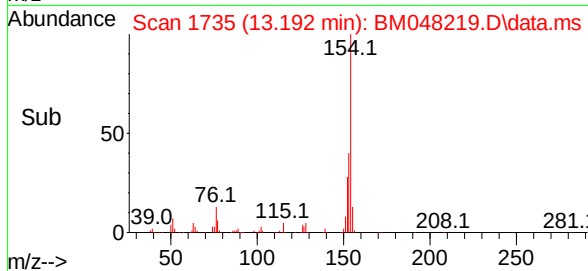
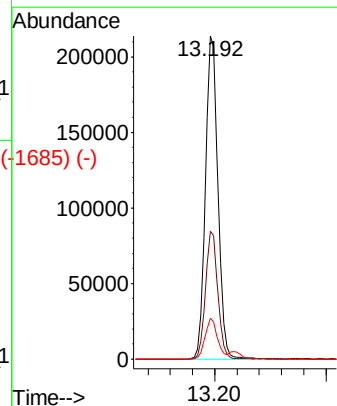
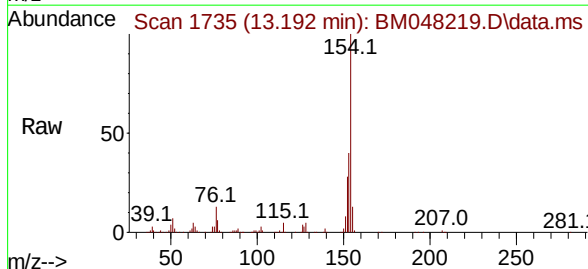


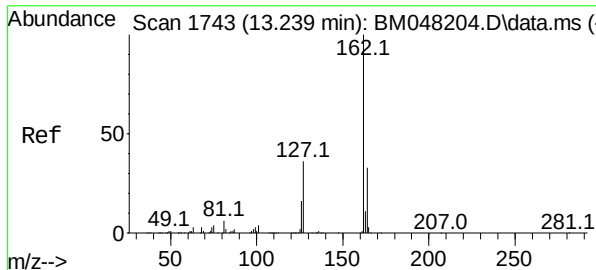
Abundance Scan 1736 (13.198 min): BM048204.D\data.ms (-1746) (-)



1,1'-Biphenyl
Concen: 12.458 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:154 Resp: 332845
Ion Ratio Lower Upper
154 100
153 39.6 19.9 59.9
76 12.7 0.0 32.4

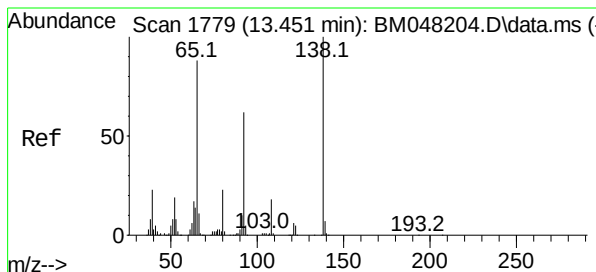
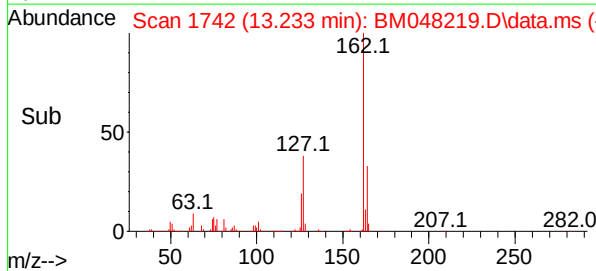
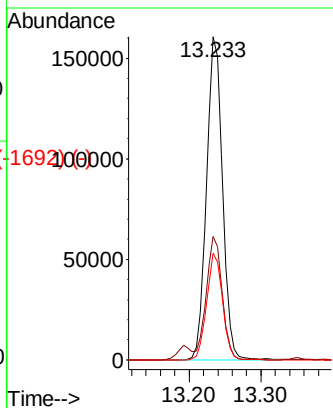
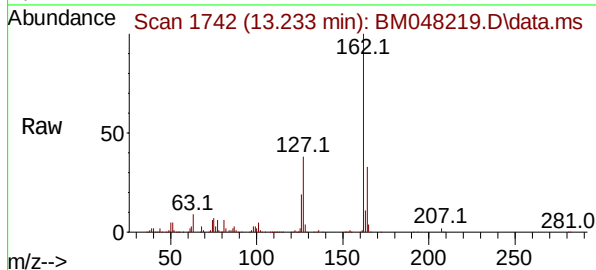




2-Chloronaphthalene
 Concen: 11.828 ng
 RT: 13.233 min Scan# 1743
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

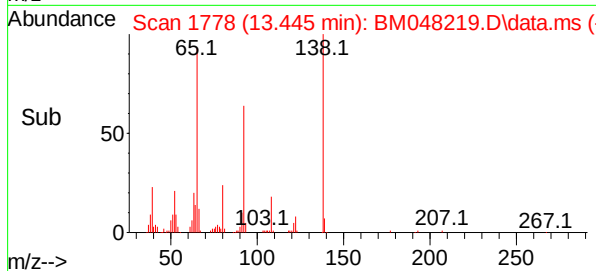
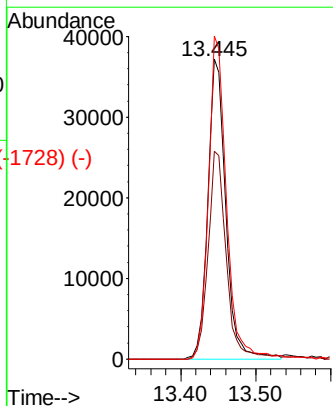
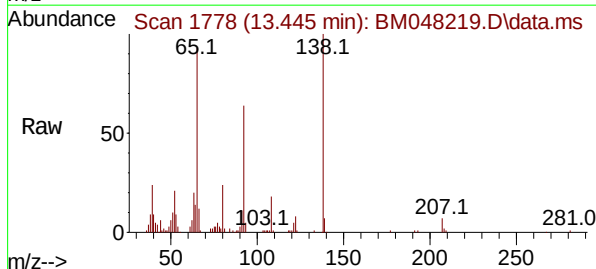
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

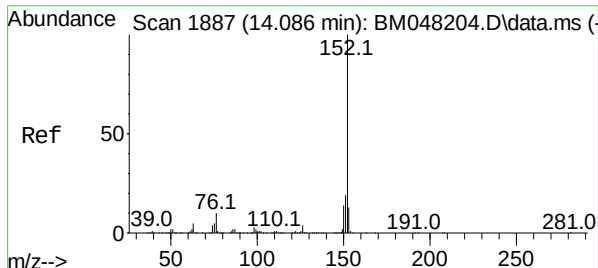
Tgt Ion:	162	Resp:	249173
Ion	Ratio	Lower	Upper
162	100		
127	38.2	31.0	46.6
164	33.1	26.2	39.4



2-Nitroaniline
 Concen: 10.947 ng
 RT: 13.445 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

Tgt Ion:	65	Resp:	62545
Ion	Ratio	Lower	Upper
65	100		
92	69.4	56.0	84.0
138	107.7	90.8	136.2





Acenaphthylene

Concen: 12.903 ng

RT: 14.086 min Scan# 1887

Delta R.T. 0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

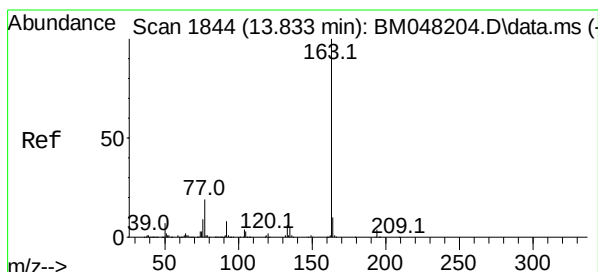
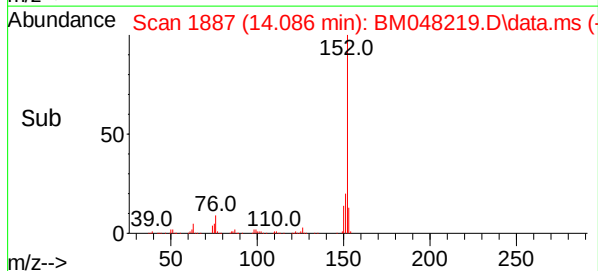
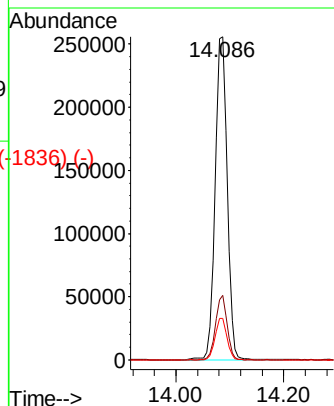
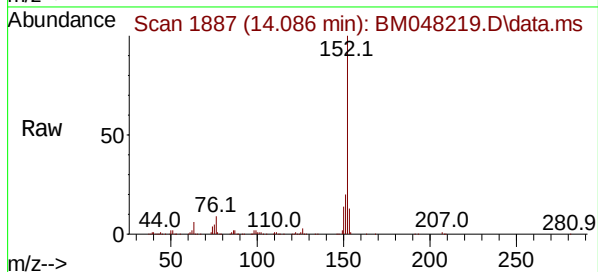
Tgt Ion:152 Resp: 396573

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.2

153 12.8 10.5 15.7



Dimethylphthalate

Concen: 12.061 ng

RT: 13.822 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

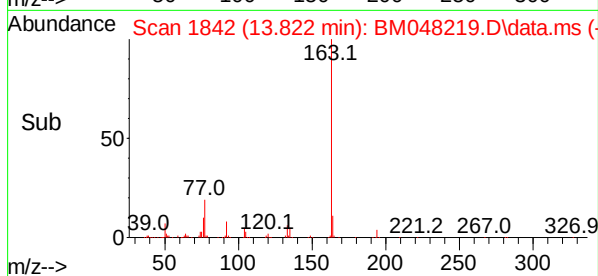
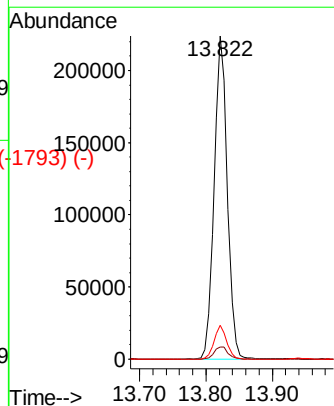
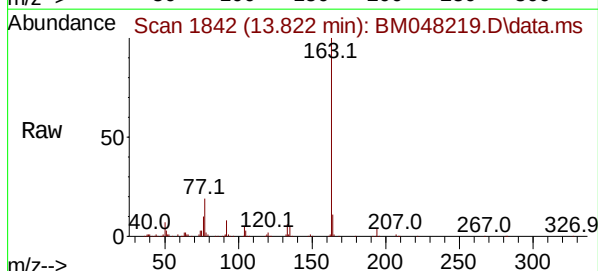
Tgt Ion:163 Resp: 308118

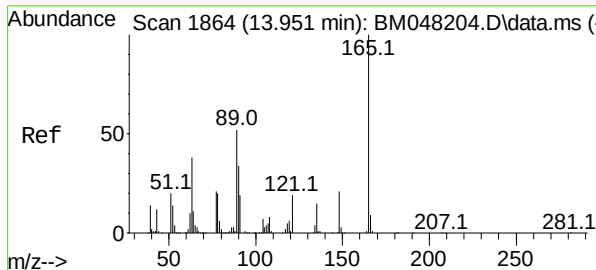
Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

164 10.5 7.8 11.6

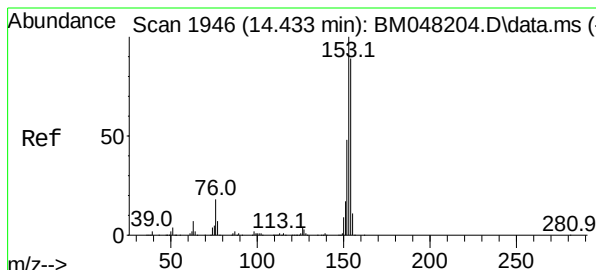
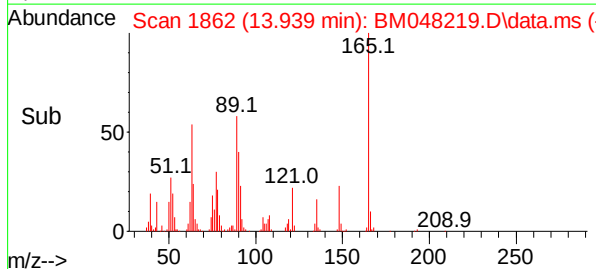
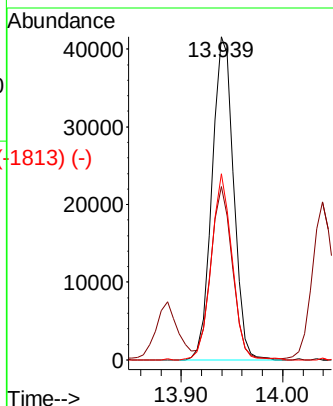
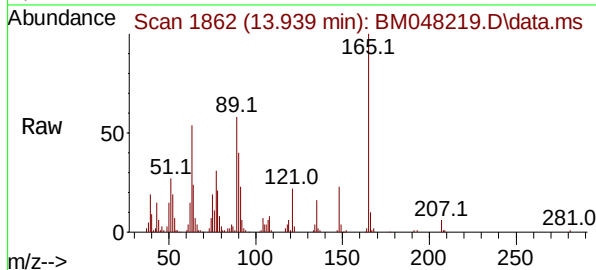




2,6-Dinitrotoluene
Concen: 10.745 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

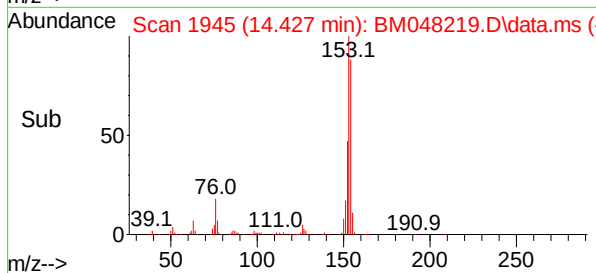
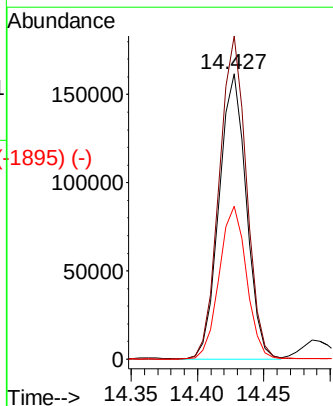
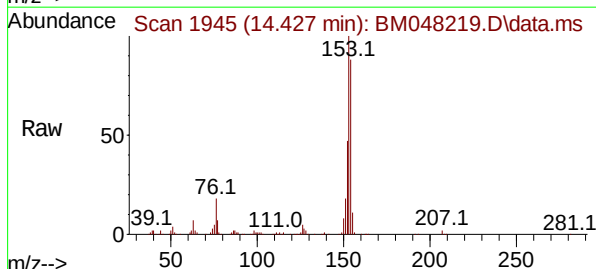
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

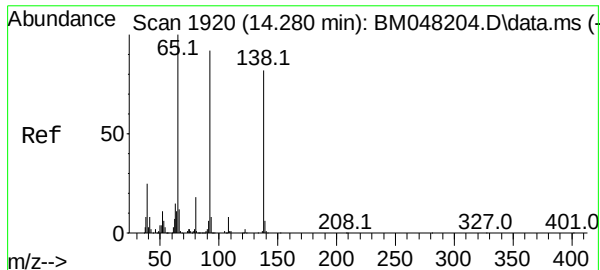
Tgt Ion:	165	Resp:	61248
Ion	Ratio	Lower	Upper
165	100		
63	53.7	39.5	59.3
89	57.6	41.8	62.6



Acenaphthene
Concen: 11.785 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	154	Resp:	230135
Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.4	135.6
152	53.5	43.6	65.4

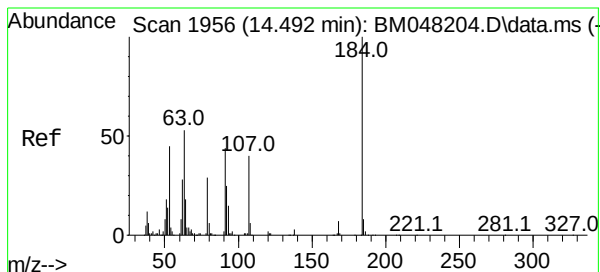
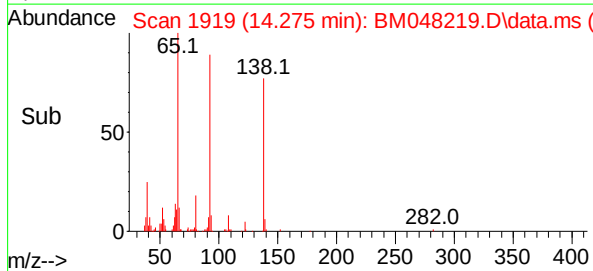
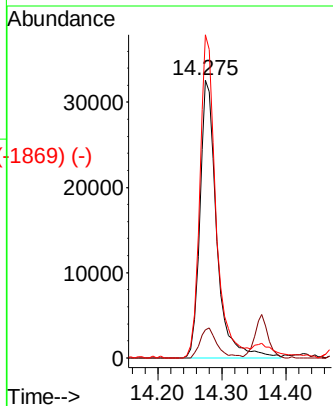
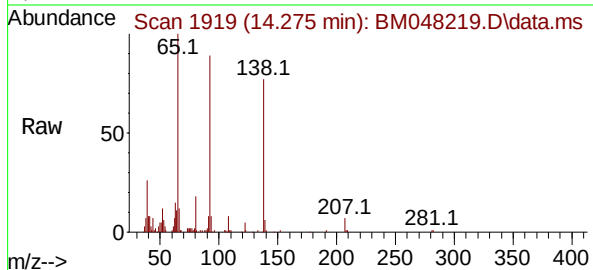




3-Nitroaniline
 Concen: 11.109 ng
 RT: 14.275 min Scan# 1919
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

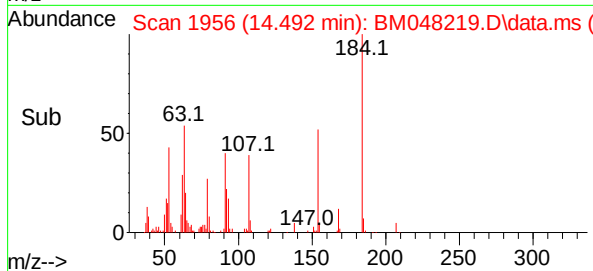
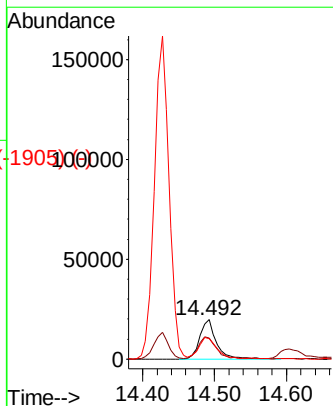
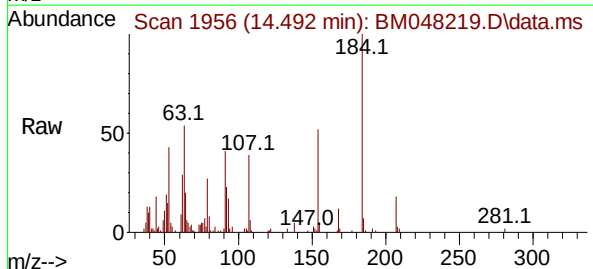
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

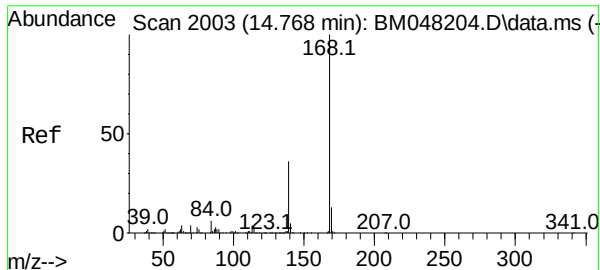
Tgt Ion:	138	Resp:	59717
Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.5	11.3
92	116.3	89.7	134.5



2,4-Dinitrophenol
 Concen: 9.490 ng
 RT: 14.492 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

Tgt Ion:	184	Resp:	31611
Ion	Ratio	Lower	Upper
184	100		
63	53.9	47.2	70.8
154	52.2	46.0	69.0

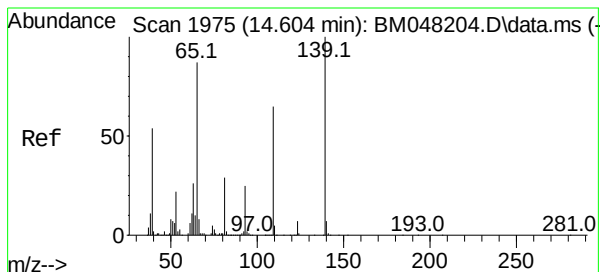
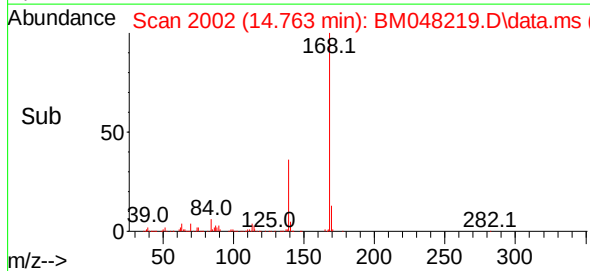
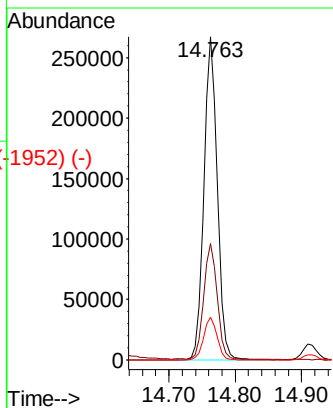
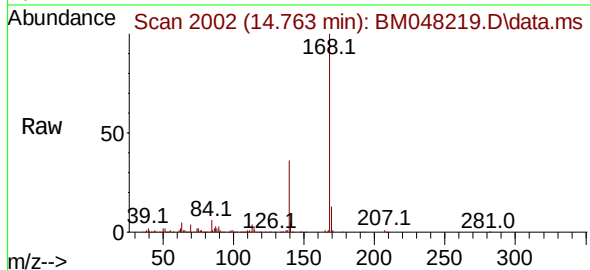




Dibenzenofuran
Concen: 12.188 ng
RT: 14.763 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

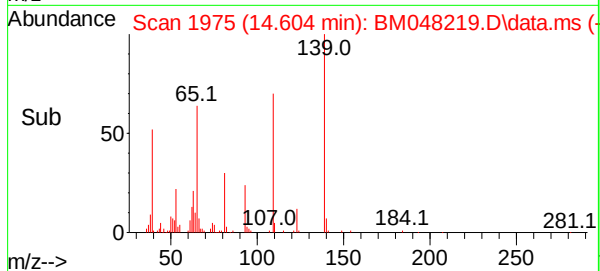
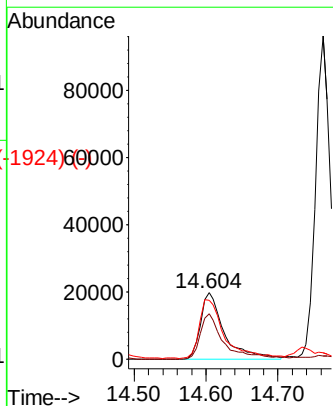
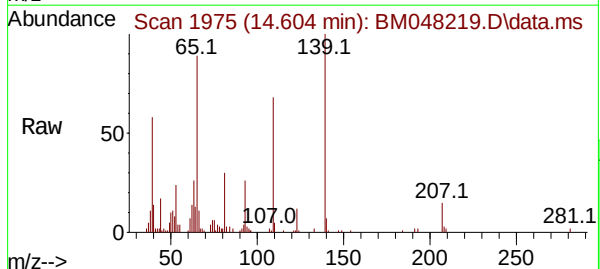
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

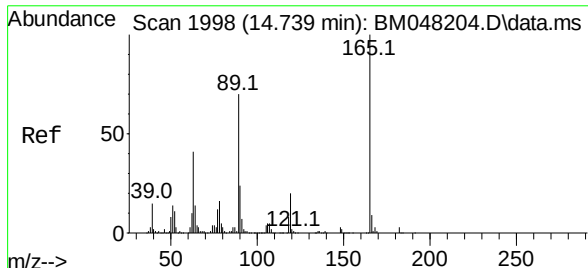
Tgt Ion:	168	Resp:	378135
Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.0	43.6
169	13.2	10.4	15.6



4-Nitrophenol
Concen: 9.419 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	139	Resp:	45187
Ion	Ratio	Lower	Upper
139	100		
109	68.3	45.4	85.4
65	88.6	67.3	107.3

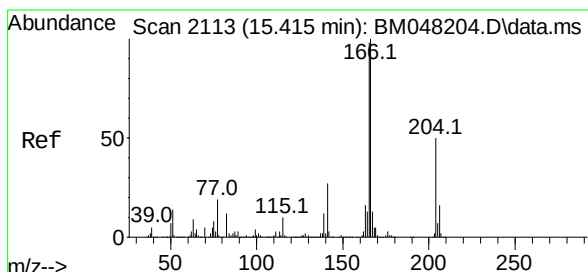
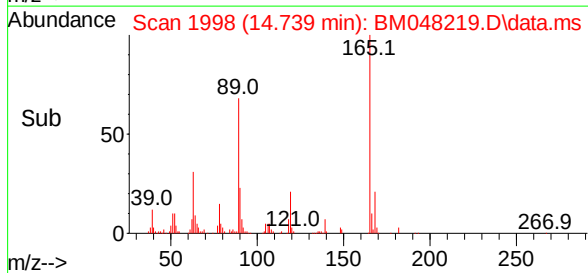
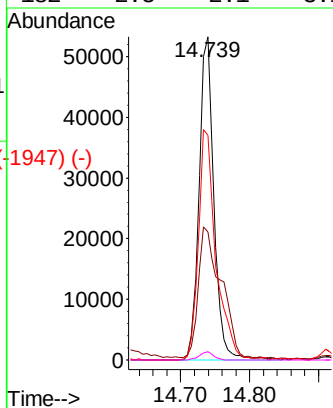
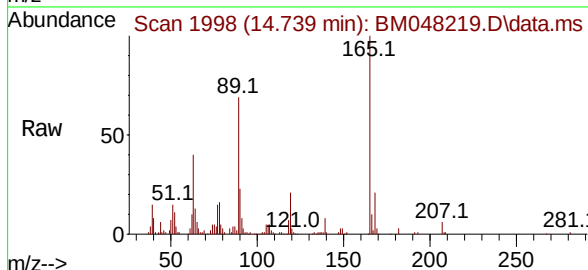




2,4-Dinitrotoluene
 Concen: 10.548 ng
 RT: 14.739 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

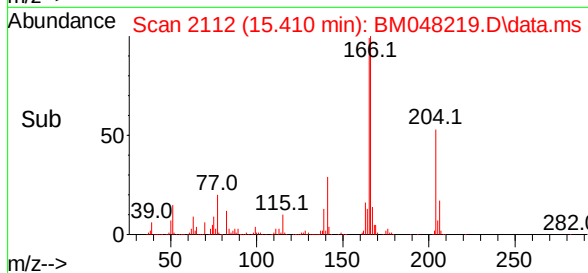
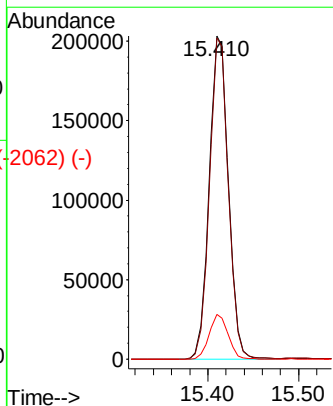
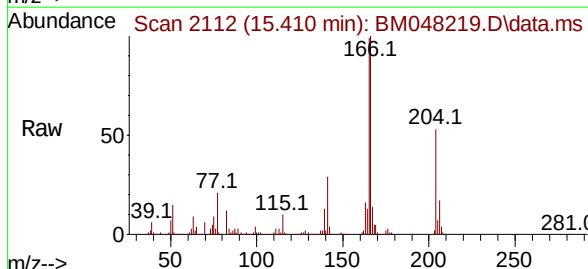
Instrument : BNA_M
 ClientSampleId : LOQ-SOIL-02-QT4-2024

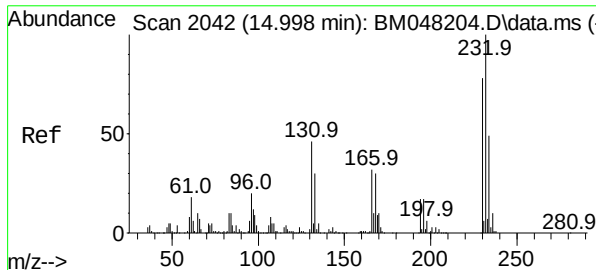
Tgt Ion:	165	Resp:	79401
Ion	Ratio	Lower	Upper
165	100		
63	39.6	33.0	49.4
89	69.5	55.8	83.6
182	2.5	2.1	3.1



Fluorene
 Concen: 12.139 ng
 RT: 15.410 min Scan# 2112
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

Tgt Ion:	166	Resp:	297809
Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.4	117.6
167	13.8	10.8	16.2

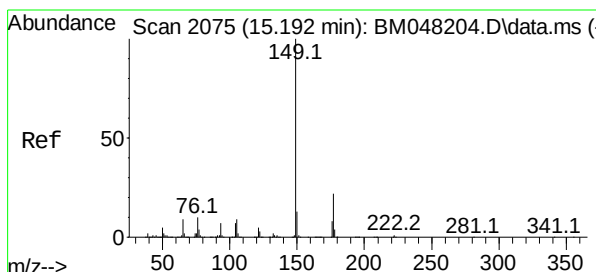
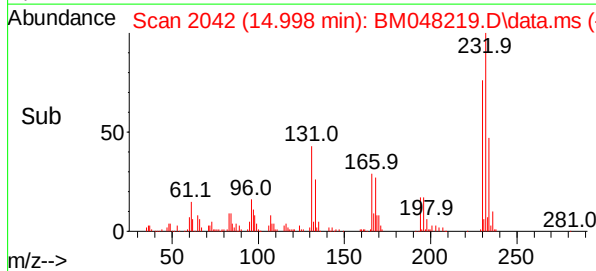
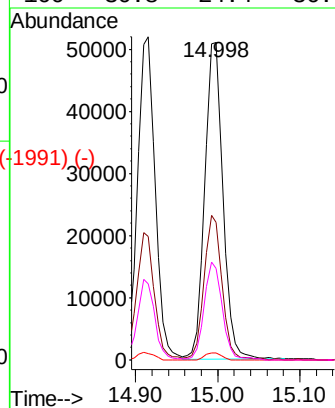
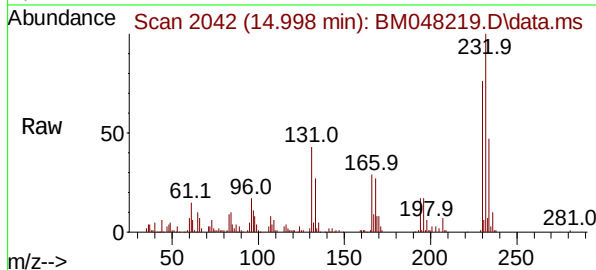




2,3,4,6-Tetrachlorophenol
Concen: 11.929 ng
RT: 14.998 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

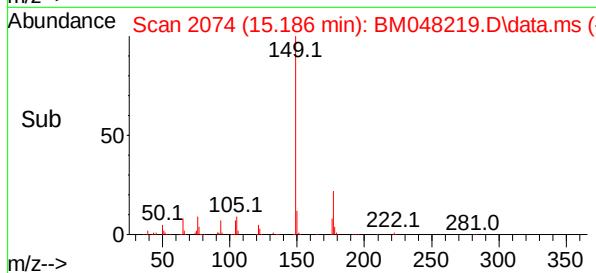
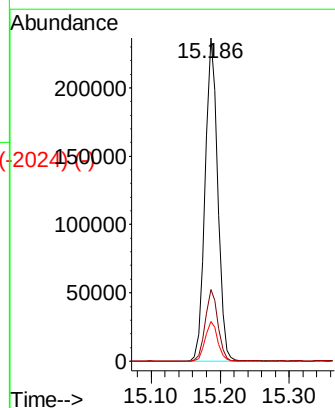
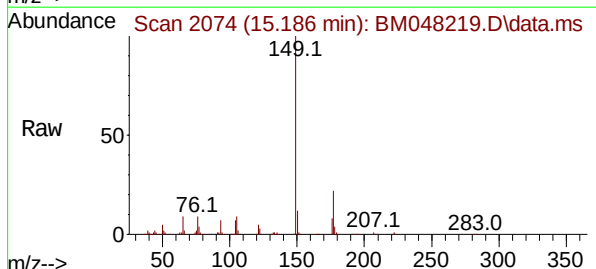
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	232	Resp:	78263
Ion	Ratio	Lower	Upper
232	100		
131	45.1	35.5	53.3
130	2.0	1.8	2.6
166	30.8	24.4	36.6



Diethylphthalate
Concen: 11.626 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	149	Resp:	300709
Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.5	26.3
150	12.3	10.1	15.1



Abundance Scan 2112 (15.409 min): BM048204.D\data.ms (-2161) (-)

4-Chlorophenyl-phenylether

Concen: 12.068 ng

RT: 15.410 min Scan# 2112

Delta R.T. 0.000 min

Lab File: BM048219.D

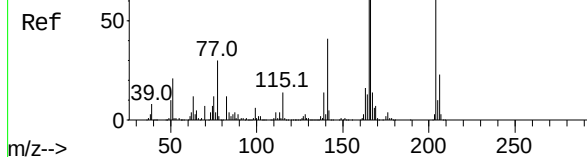
Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



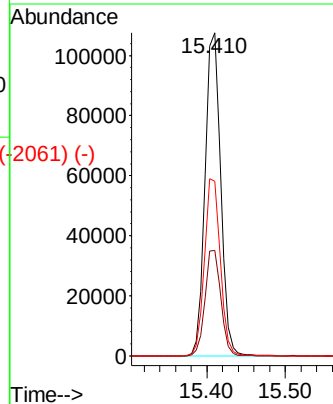
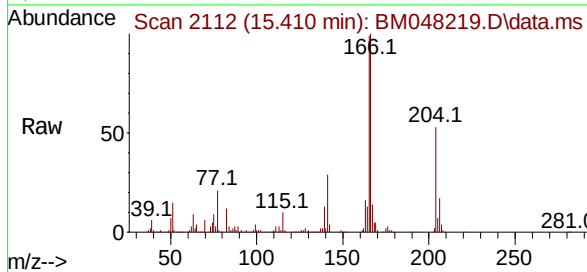
Tgt Ion:204 Resp: 148038

Ion Ratio Lower Upper

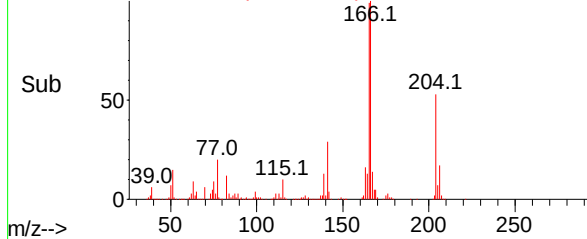
204 100

206 32.6 26.2 39.4

141 54.0 47.0 70.6



Abundance Scan 2112 (15.410 min): BM048219.D\data.ms (-2061) (-)



Abundance Scan 2118 (15.445 min): BM048204.D\data.ms (-2162) (-)

4-Nitroaniline

Concen: 9.715 ng

RT: 15.439 min Scan# 2117

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

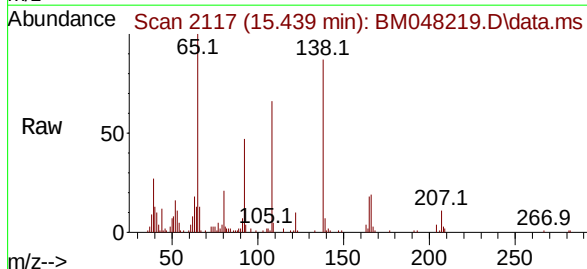
Tgt Ion:138 Resp: 54048

Ion Ratio Lower Upper

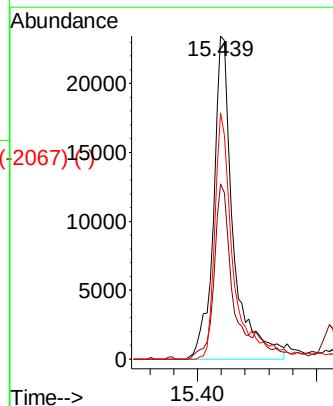
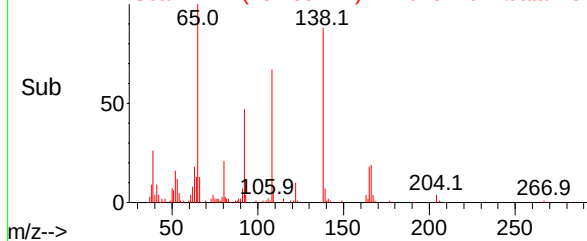
138 100

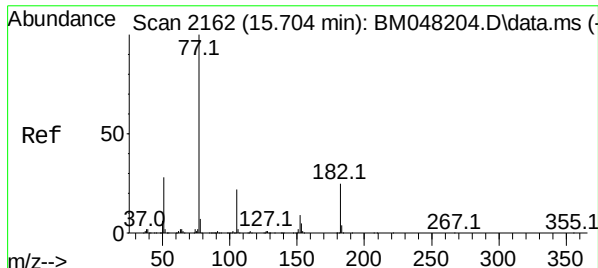
92 54.2 26.9 66.9

108 76.3 51.3 91.3



Abundance Scan 2117 (15.439 min): BM048219.D\data.ms (-2067) (-)

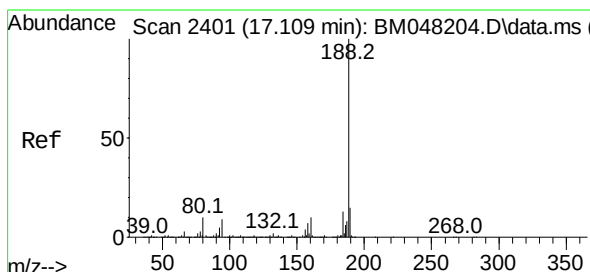
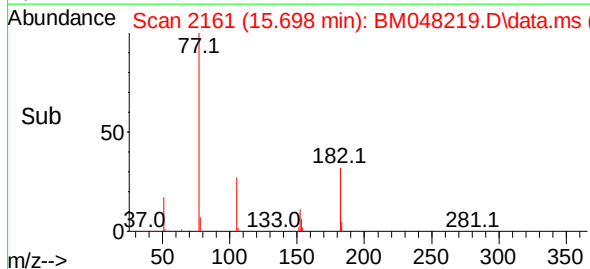
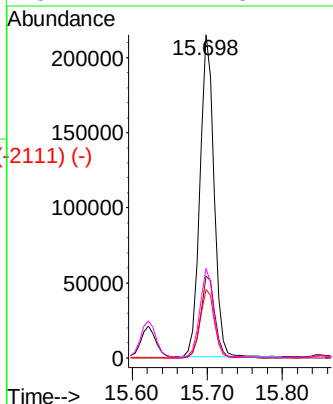
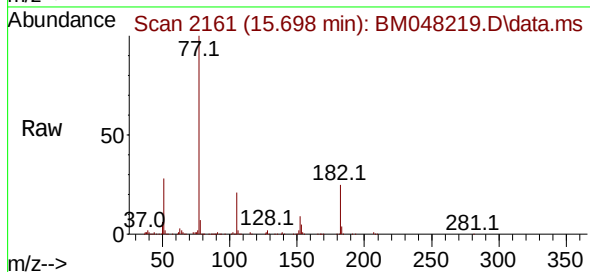




Azobenzene
Concen: 12.155 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

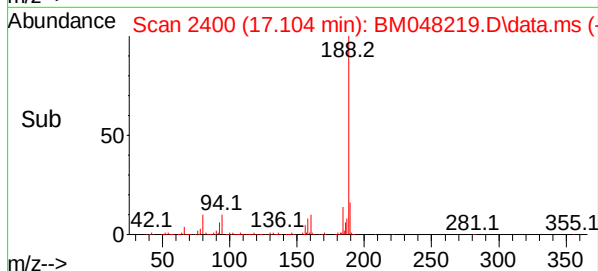
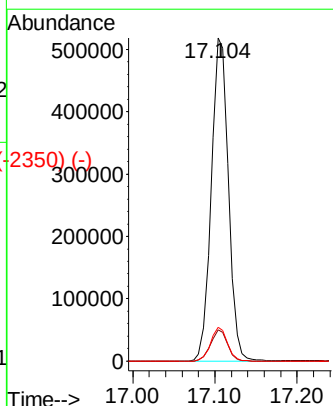
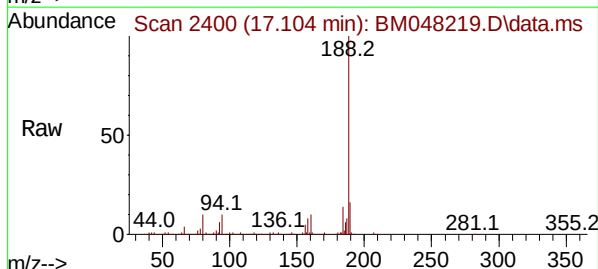
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	77	Resp:	281788
Ion	Ratio	Lower	Upper
77	100		
182	25.3	5.3	45.3
105	21.2	1.6	41.6
51	27.7	7.8	47.8



Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	188	Resp:	752639
Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.3	10.9
80	10.4	8.0	12.0



Abundance Scan 2128 (15.504 min): BM048204.D\data.ms (-2128) (-)

4,6-Dinitro-2-methylphenol

Concen: 11.909 ng

RT: 15.504 min Scan# 2128

Delta R.T. 0.000 min

Lab File: BM048219.D

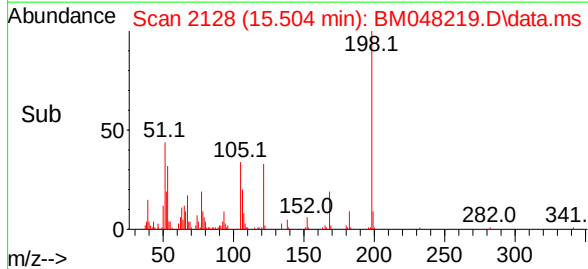
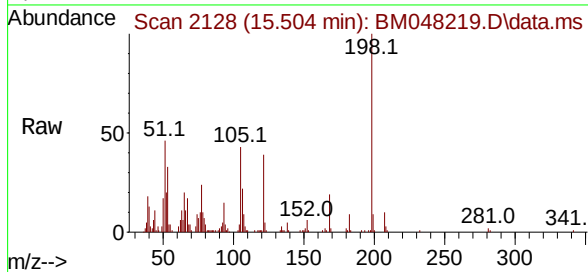
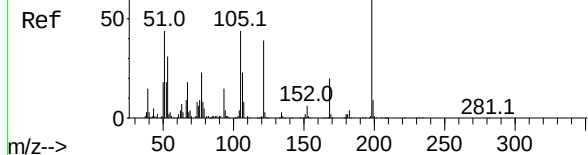
Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



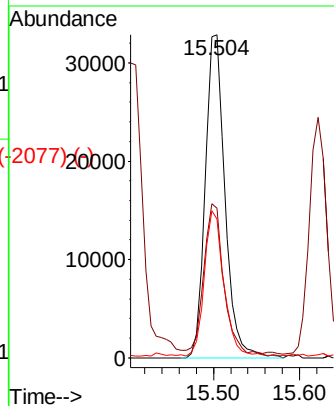
Tgt Ion:198 Resp: 52005

Ion Ratio Lower Upper

198 100

51 46.4 25.4 65.4

105 42.9 23.9 63.9



Abundance Scan 2149 (15.627 min): BM048204.D\data.ms (-2149) (-)

n-Nitrosodiphenylamine

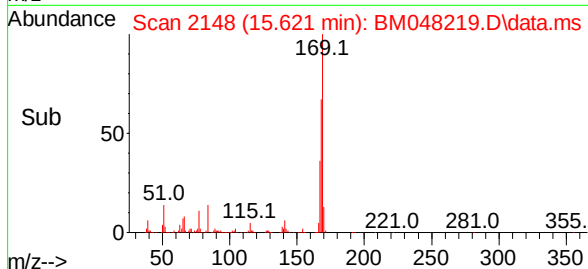
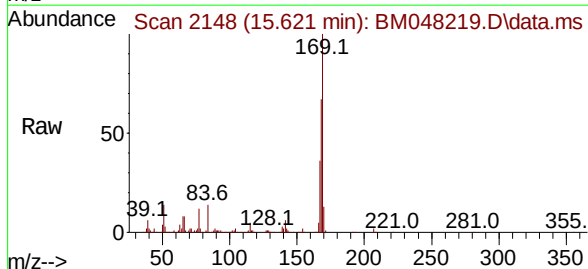
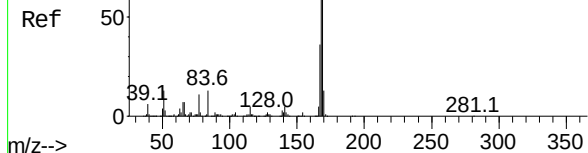
Concen: 11.970 ng

RT: 15.621 min Scan# 2148

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29



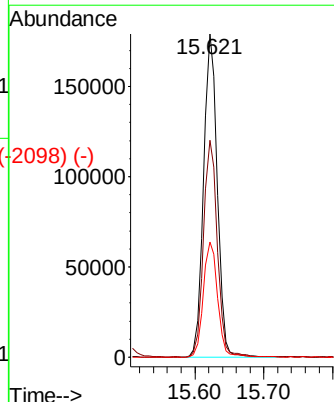
Tgt Ion:169 Resp: 247308

Ion Ratio Lower Upper

169 100

168 67.2 52.9 79.3

167 35.7 29.3 43.9



Abundance Scan 2264 (16.304 min): BM048204.D\data.ms (-2267) (-)

4-Bromophenyl-phenylether

Concen: 11.784 ng

RT: 16.304 min Scan# 2264

Delta R.T. 0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Ref



m/z-->

Tgt Ion:248 Resp: 89924

Ion Ratio Lower Upper

248 100

250 97.7 78.3 117.5

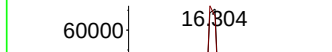
141 64.7 58.0 87.0

Raw



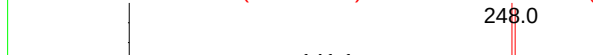
m/z-->

Abundance



Time-->

Sub



m/z-->

Abundance Scan 2284 (16.421 min): BM048204.D\data.ms (-2266) (-)

Hexachlorobenzene

Concen: 11.849 ng

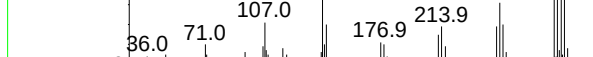
RT: 16.416 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Ref



m/z-->

Tgt Ion:284 Resp: 108596

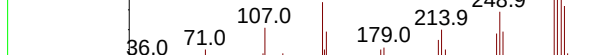
Ion Ratio Lower Upper

284 100

142 33.9 27.0 40.4

249 29.3 24.6 36.8

Raw



m/z-->

Abundance

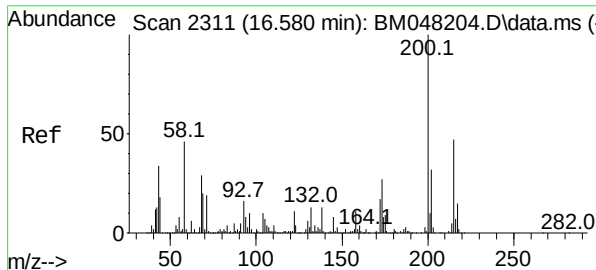


Time-->

Sub



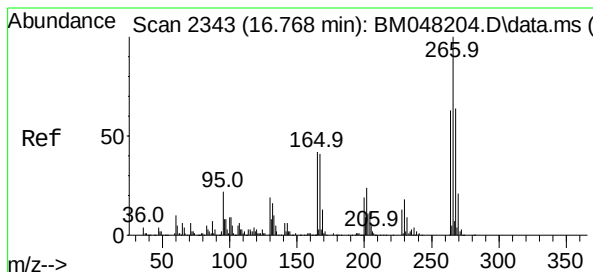
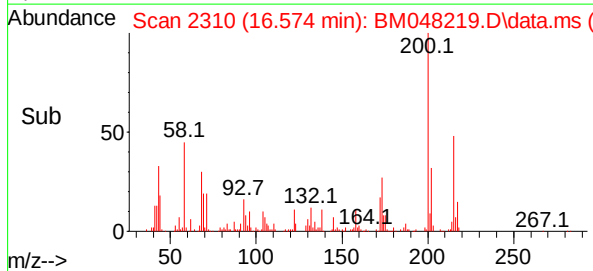
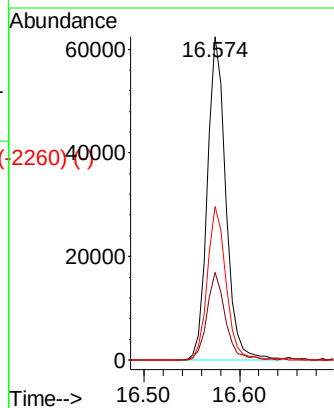
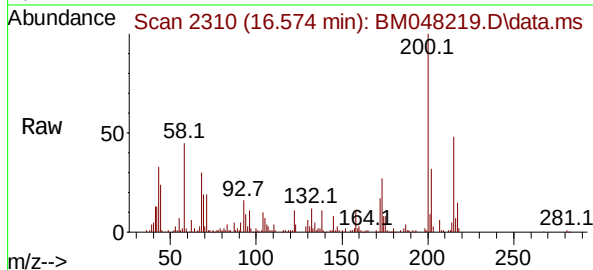
m/z-->



Atrazine
Concen: 14.412 ng
RT: 16.574 min Scan# 2310
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

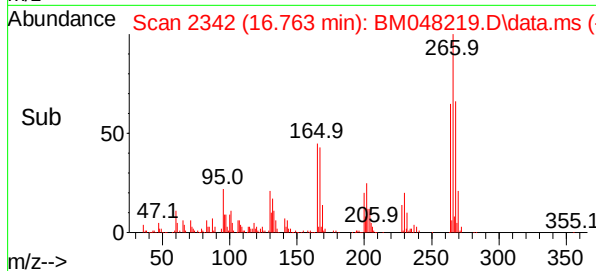
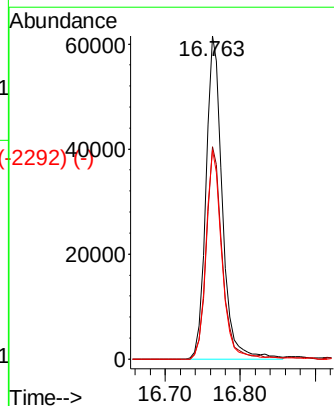
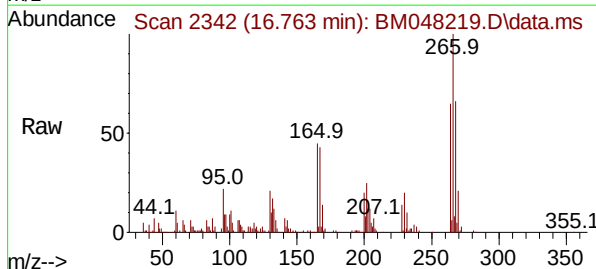
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

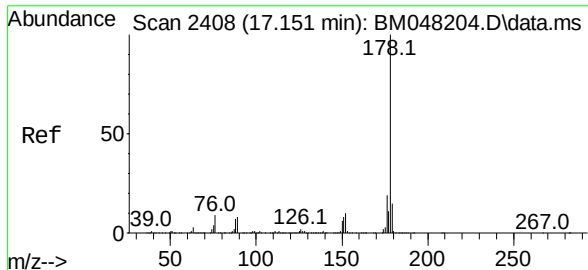
Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.5	46.5
215	47.5	27.2	67.2



Pentachlorophenol
Concen: 15.662 ng
RT: 16.763 min Scan# 2342
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.8	50.8	76.2
264	64.7	50.2	75.2

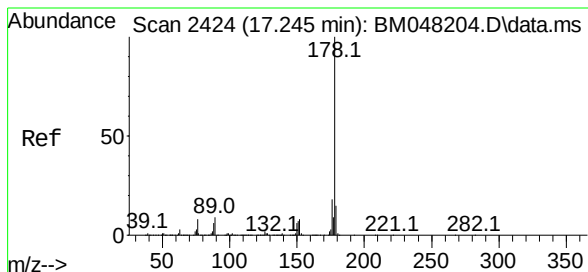
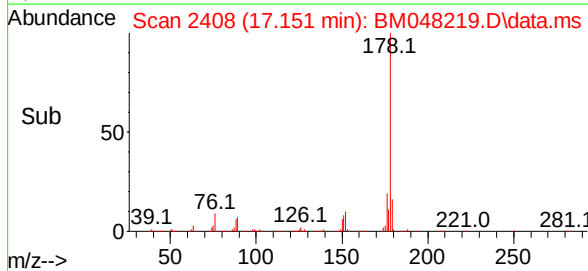
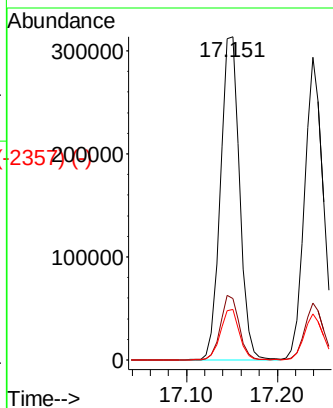
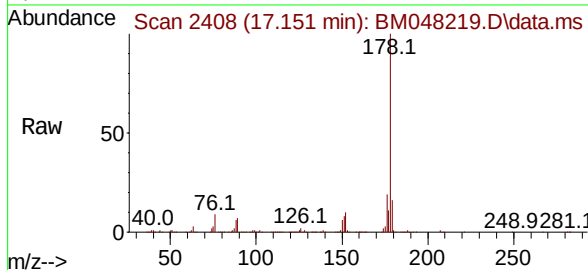




Scan 2408 (17.151 min): BM048204.D\data.ms (-2370) (-)
 Phenanthrene
 Concen: 12.302 ng
 RT: 17.151 min Scan# 2408
 Delta R.T. 0.000 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

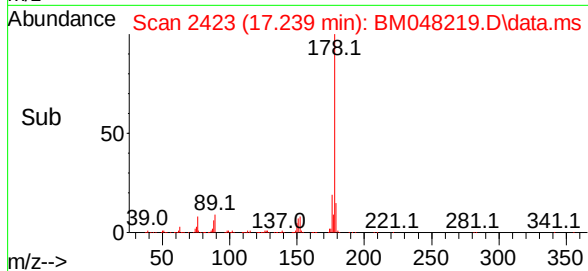
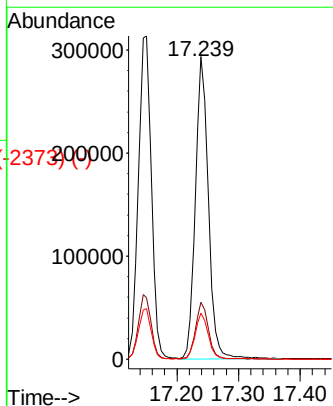
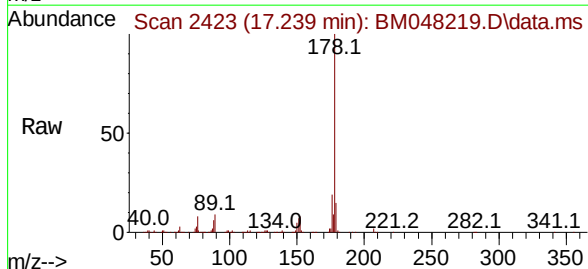
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

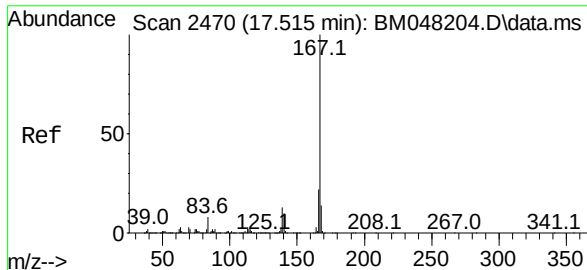
Tgt Ion:	178	Resp:	458475
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.0
179	15.7	12.4	18.6



Scan 2424 (17.245 min): BM048204.D\data.ms (-2370) (-)
 Anthracene
 Concen: 11.889 ng
 RT: 17.239 min Scan# 2423
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

Tgt Ion:	178	Resp:	428917
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.8	22.2
179	15.3	12.2	18.2





Carbazole

Concen: 11.658 ng

RT: 17.515 min Scan# 2470

Delta R.T. 0.000 min

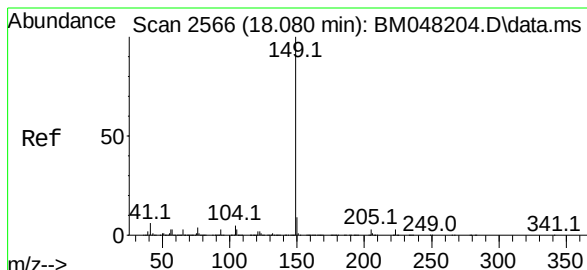
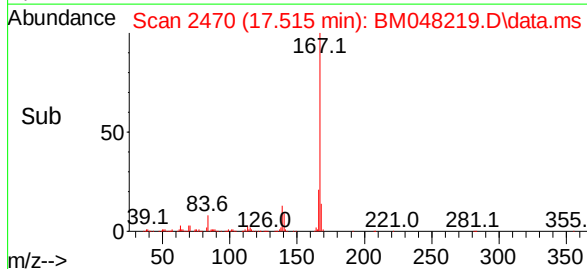
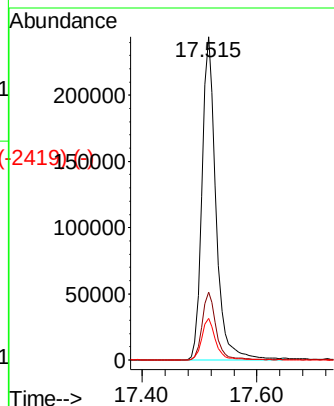
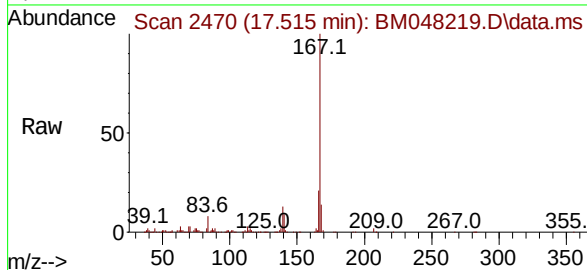
Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :
BNA_M

ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	167	Resp:	412314
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.9	10.4	15.6



Di-n-butylphthalate

Concen: 11.372 ng

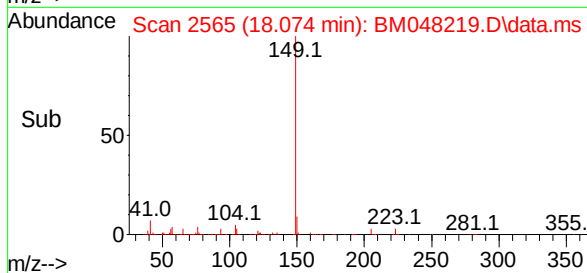
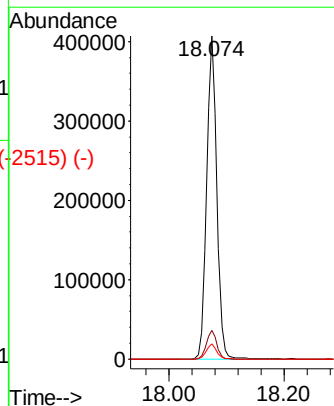
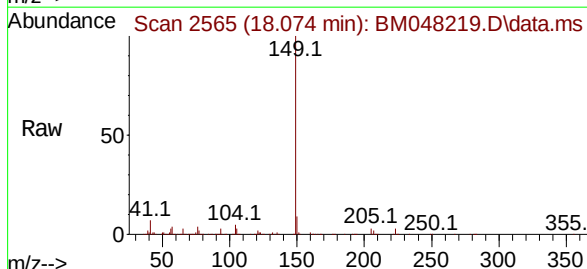
RT: 18.074 min Scan# 2565

Delta R.T. -0.006 min

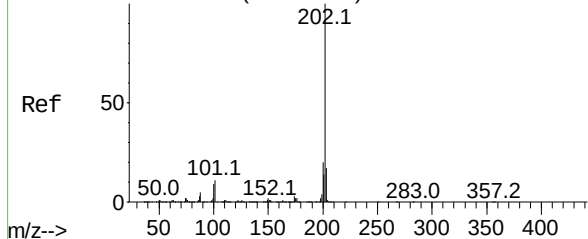
Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Tgt Ion:	149	Resp:	500626
Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	4.8	3.8	5.6



Abundance Scan 2751 (19.168 min): BM048204.D\data.ms (-2751) (-)



Fluoranthene

Concen: 11.645 ng

RT: 19.162 min Scan# 2751

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

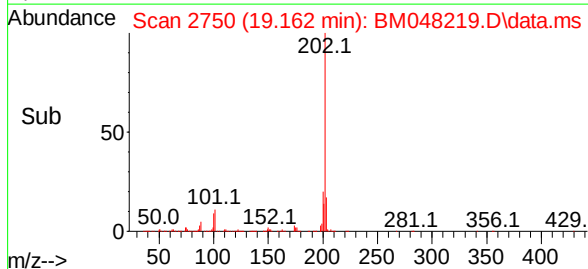
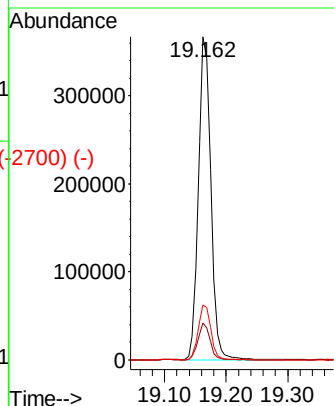
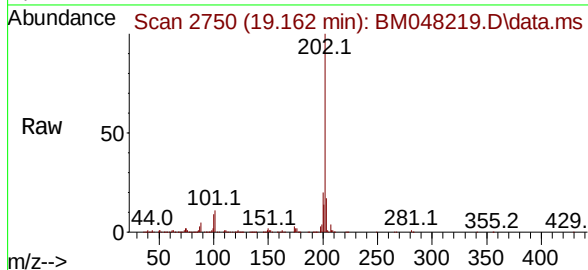
Tgt Ion:202 Resp: 517716

Ion Ratio Lower Upper

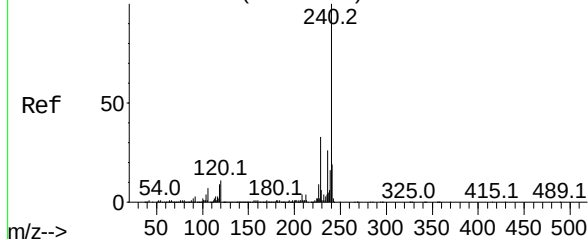
202 100

101 11.5 0.0 31.0

203 17.1 0.0 37.5



Abundance Scan 3120 (21.339 min): BM048204.D\data.ms (-3120) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 21.333 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

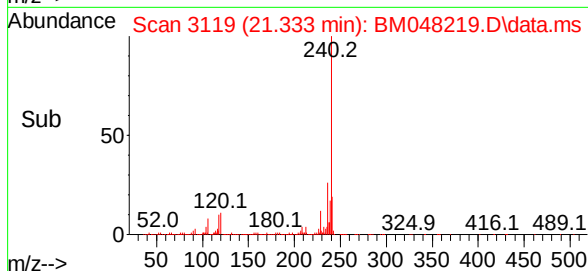
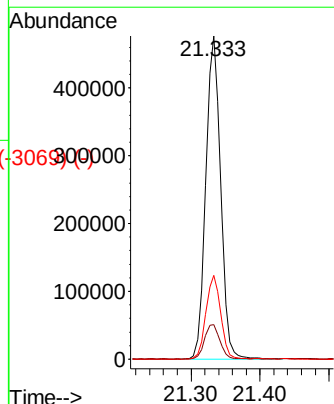
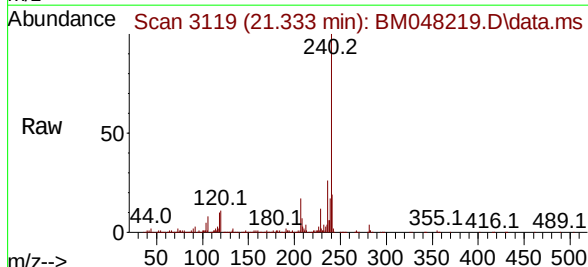
Tgt Ion:240 Resp: 711579

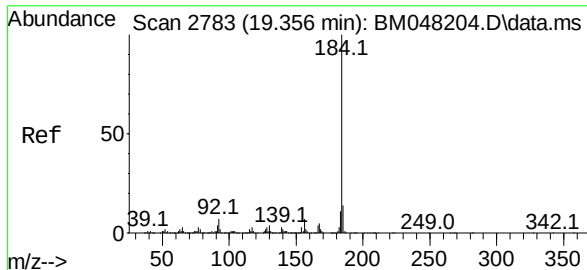
Ion Ratio Lower Upper

240 100

120 10.7 8.6 13.0

236 25.9 20.7 31.1

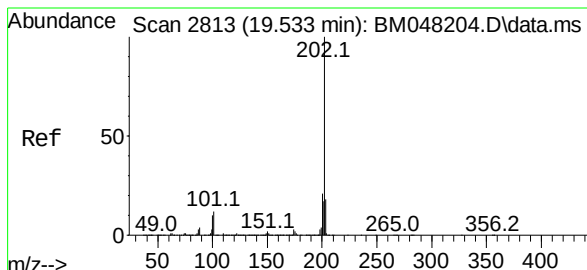
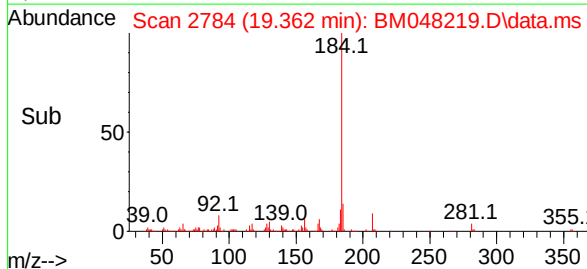
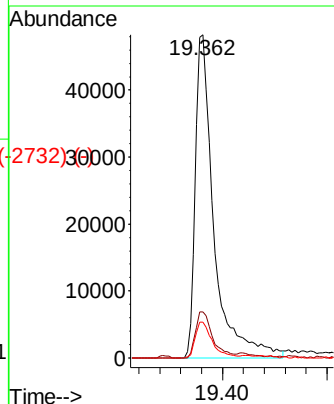
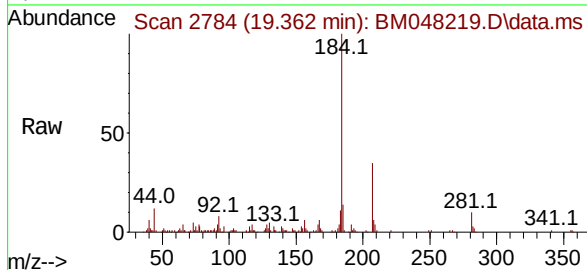




Benzidine
Concen: 14.405 ng
RT: 19.362 min Scan# 2770
Delta R.T. 0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

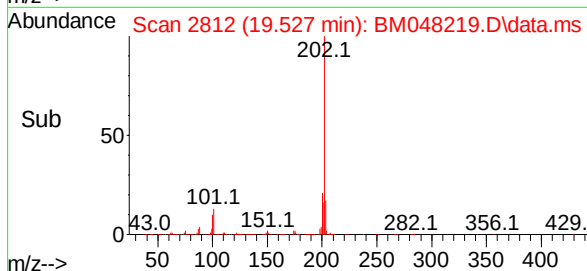
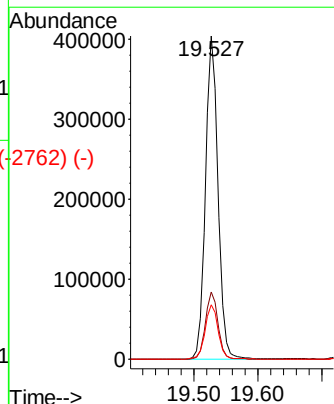
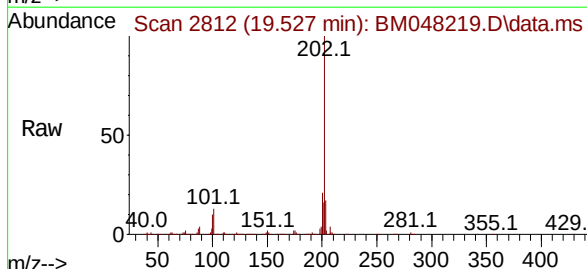
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	184	Resp:	118302
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.0	9.0	13.4

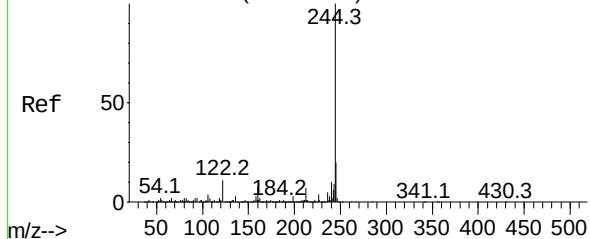


Pyrene
Concen: 11.574 ng
RT: 19.527 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	202	Resp:	551252
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	16.9	14.1	21.1



Abundance Scan 2847 (19.733 min): BM048204.D\data.ms (-2847) (-)



Terphenyl-d14

Concen: 59.790 ng

RT: 19.733 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNL_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

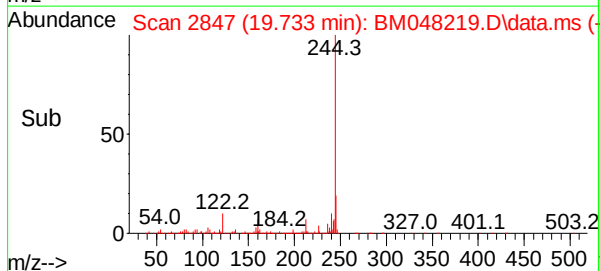
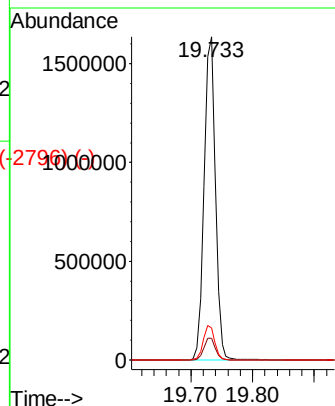
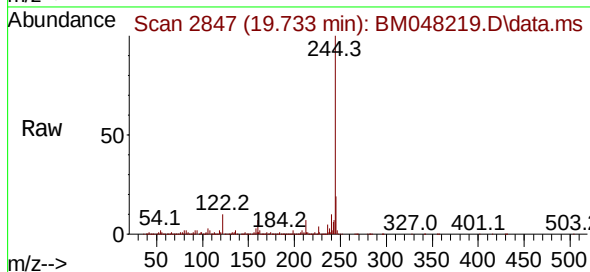
Tgt Ion:244 Resp: 2084807

Ion	Ratio	Lower	Upper
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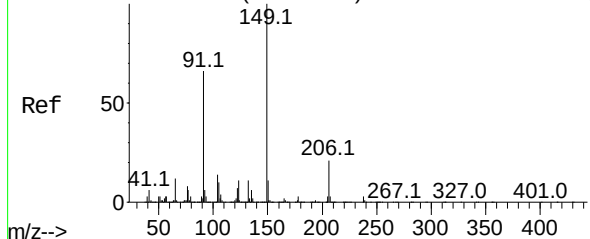
244	100		
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212	6.7	5.6	8.4
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122	9.9	8.8	13.2
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Abundance Scan 2966 (20.433 min): BM048204.D\data.ms (-2966) (-)



Butylbenzylphthalate

Concen: 11.000 ng

RT: 20.427 min Scan# 2965

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

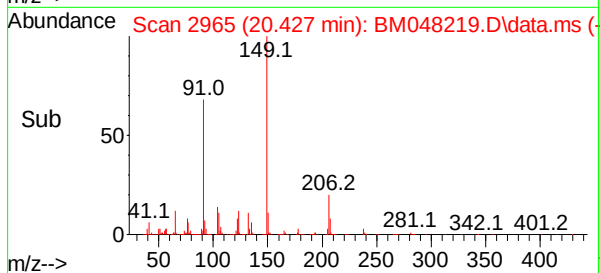
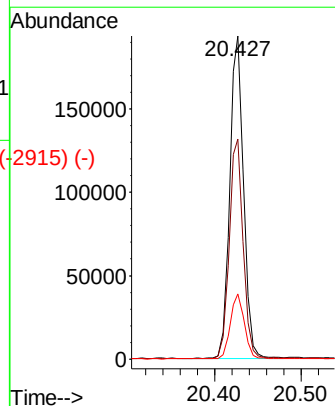
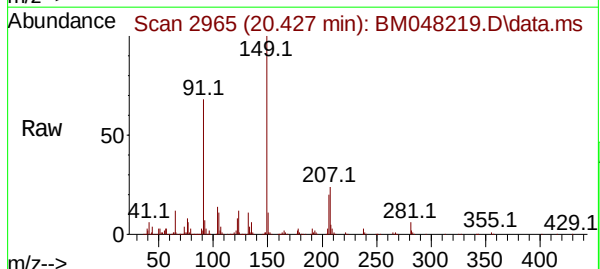
Tgt Ion:149 Resp: 219089

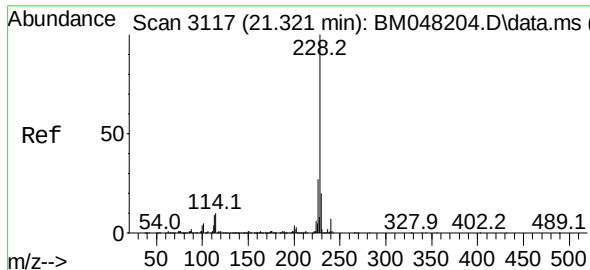
Ion	Ratio	Lower	Upper
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149	100		
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91	68.1	52.5	78.7
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206	20.3	17.0	25.6
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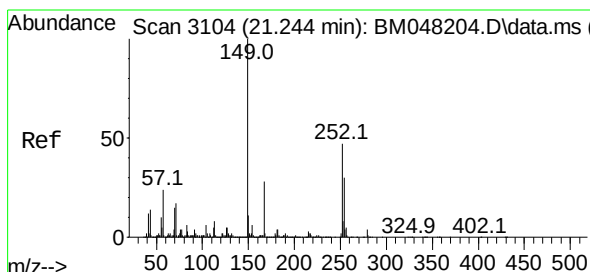
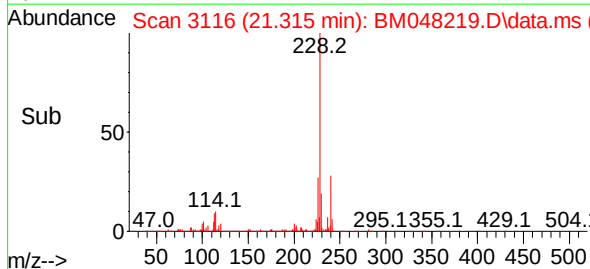
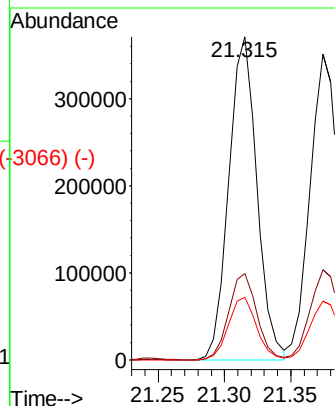
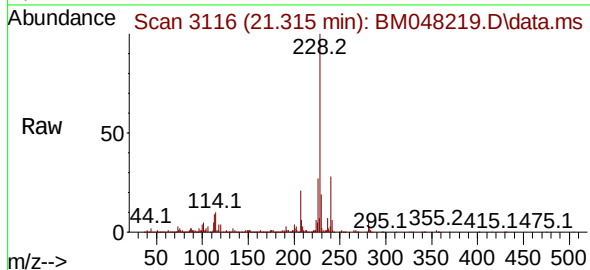




Benzo(a)anthracene
Concen: 12.016 ng
RT: 21.315 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

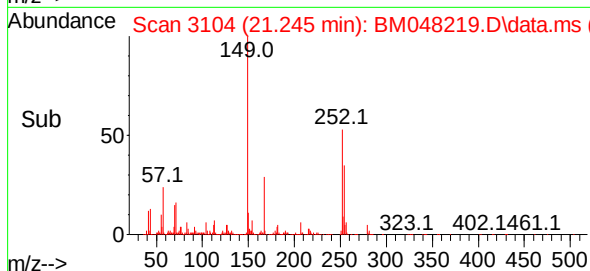
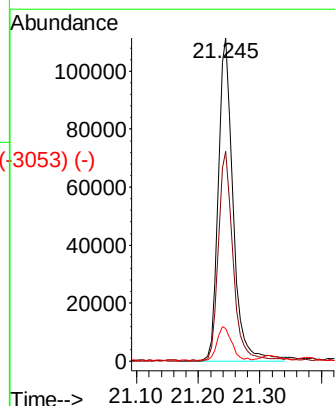
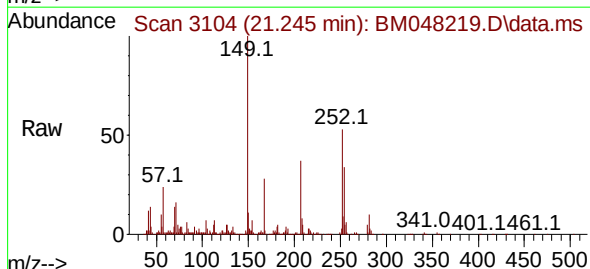
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

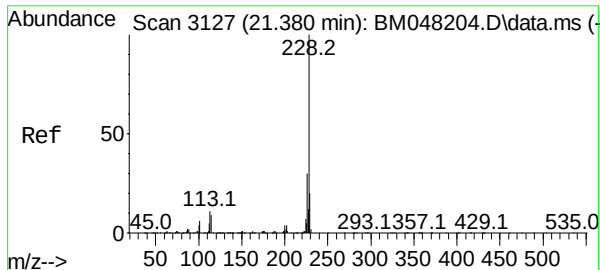
Tgt Ion:	228	Resp:	546384
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.5	32.3
229	19.5	15.7	23.5



3,3'-Dichlorobenzidine
Concen: 11.933 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	252	Resp:	185855
Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.8
126	10.1	8.8	13.2

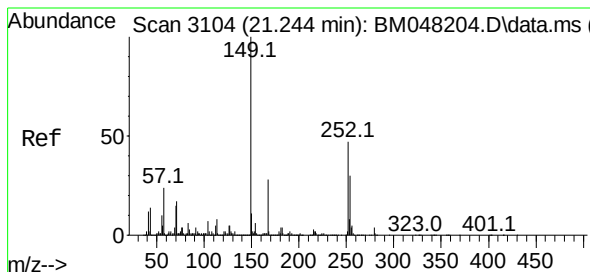
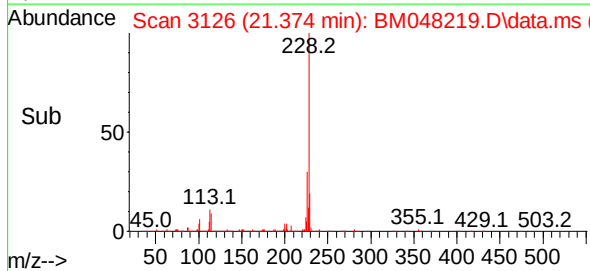
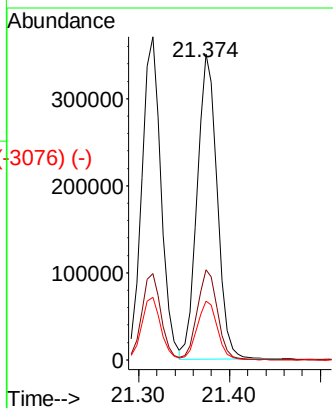
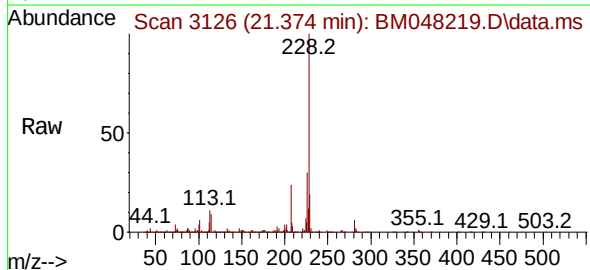




Scan 3127 (21.380 min): BM048204.D\data.ms (-3127) (-)
Chrysene
 Concen: 12.283 ng
 RT: 21.374 min Scan# 3122
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

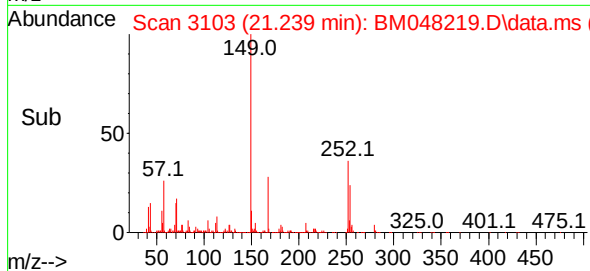
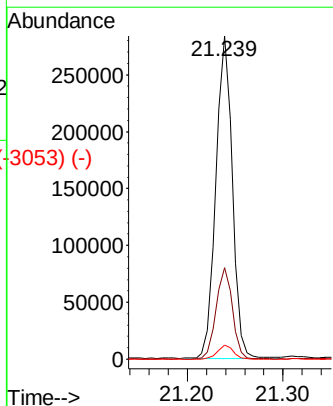
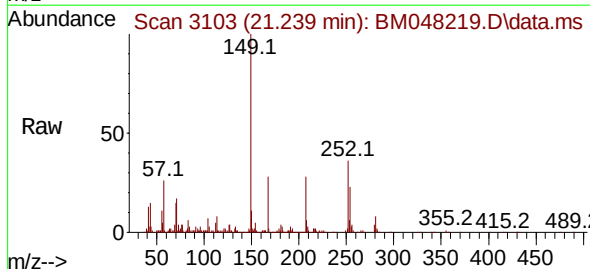
Instrument :
 BNA_M
ClientSampleId :
 LOQ-SOIL-02-QT4-2024

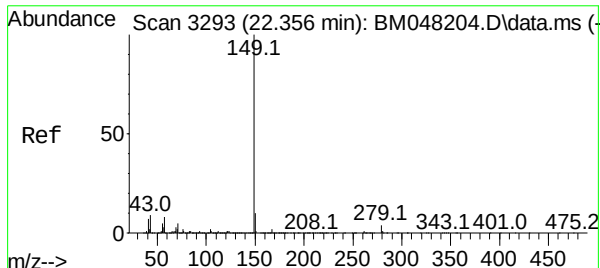
Tgt Ion:	228	Resp:	536097
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.5	35.3
229	19.3	15.7	23.5



Scan 3104 (21.244 min): BM048204.D\data.ms (-3104) (-)
Bis(2-ethylhexyl)phthalate
 Concen: 11.645 ng
 RT: 21.239 min Scan# 3103
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

Tgt Ion:	149	Resp:	337099
Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.5	33.7
279	4.3	3.3	4.9

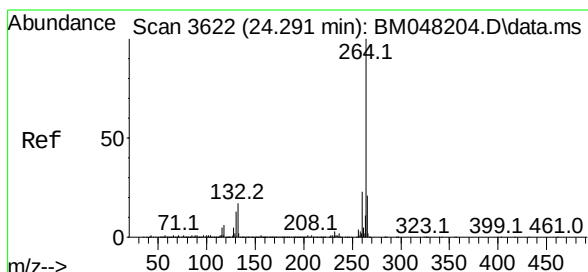
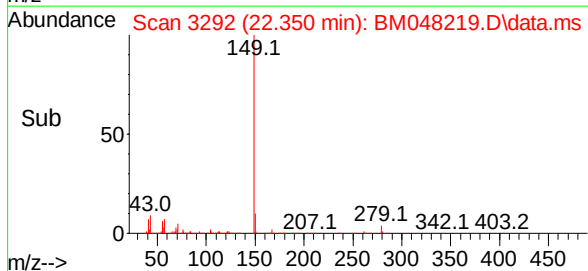
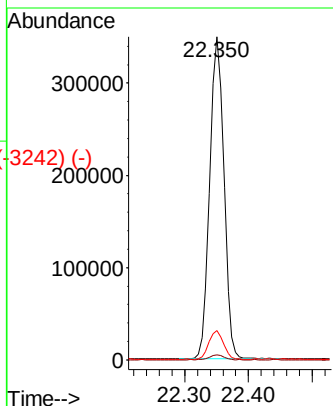
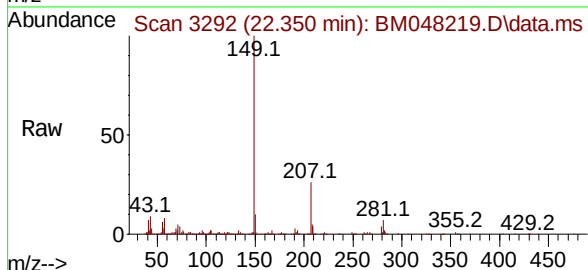




Di-n-octyl phthalate
 Concen: 10.729 ng
 RT: 22.350 min Scan# 3293
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

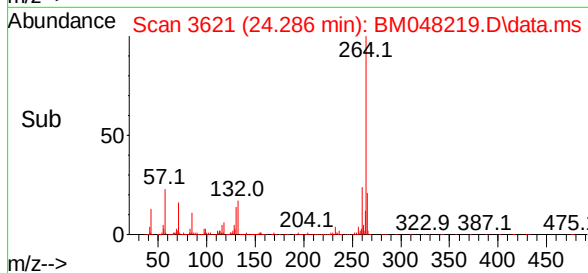
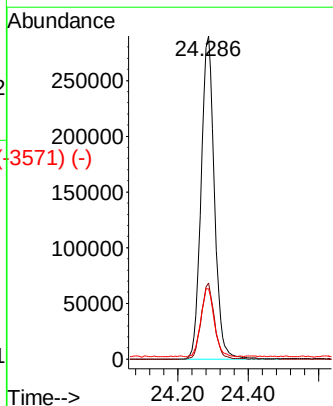
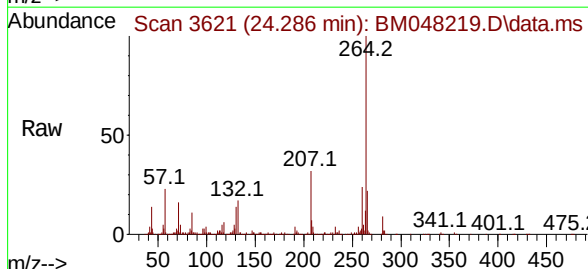
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Tgt Ion:	149	Resp:	537913
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	9.2	7.3	10.9

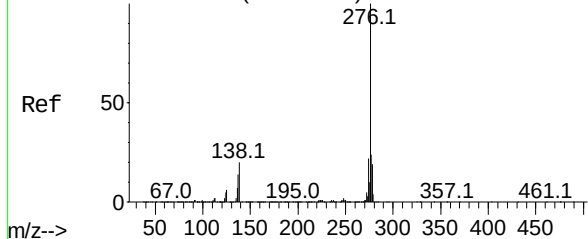


Perylene-d12
 Concen: 20.000 ng
 RT: 24.286 min Scan# 3621
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

Tgt Ion:	264	Resp:	762405
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.7	17.4	26.2



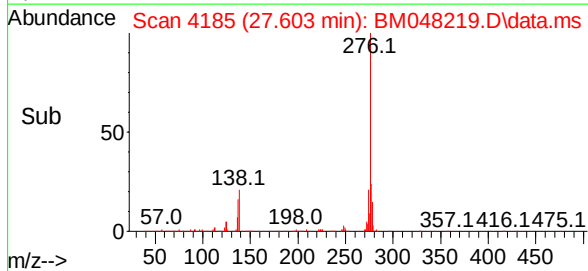
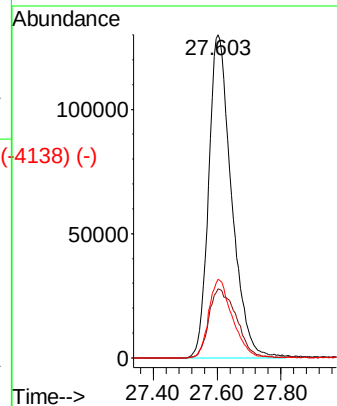
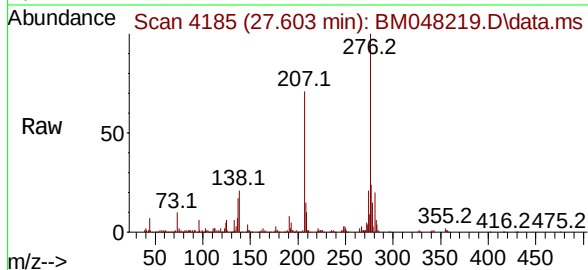
Abundance Scan 4189 (27.626 min): BM048204.D\data.ms (-4188) (-)



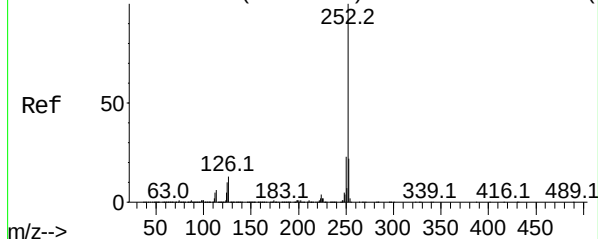
Indeno(1,2,3-cd)pyrene
Concen: 12.780 ng
RT: 27.603 min Scan# 4188
Delta R.T. -0.023 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	276	Resp:	644296
Ion	Ratio	Lower	Upper
276	100		
138	25.8	19.8	29.6
277	25.3	20.0	30.0

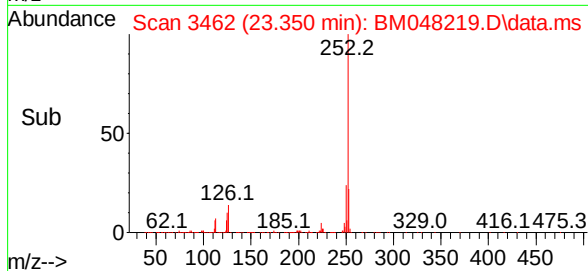
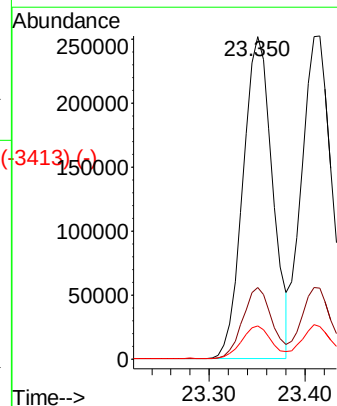
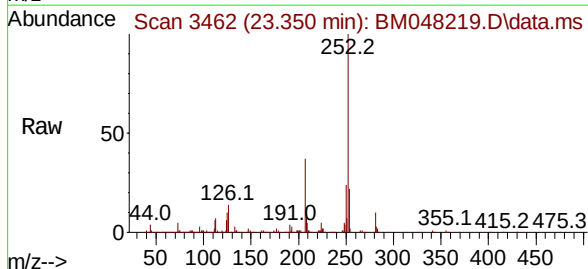


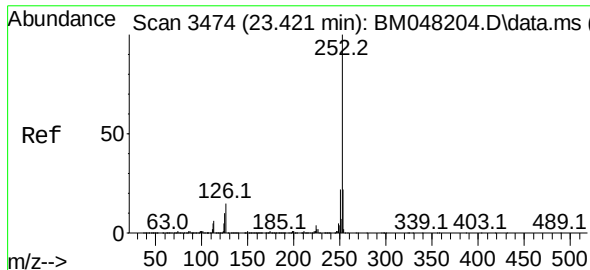
Abundance Scan 3464 (23.362 min): BM048204.D\data.ms (-3460) (-)



Benzo(b)fluoranthene
Concen: 12.355 ng
RT: 23.350 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	252	Resp:	540071
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.4	7.9	11.9





Benzo(k)fluoranthene

Concen: 13.333 ng

RT: 23.415 min Scan# 3474

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

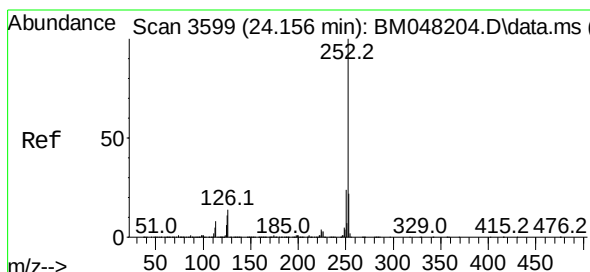
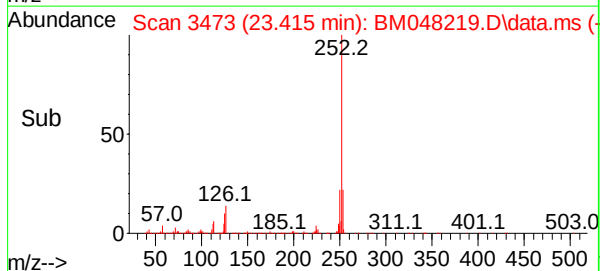
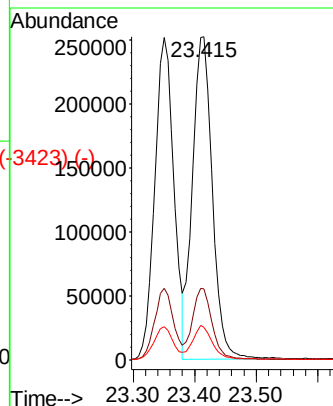
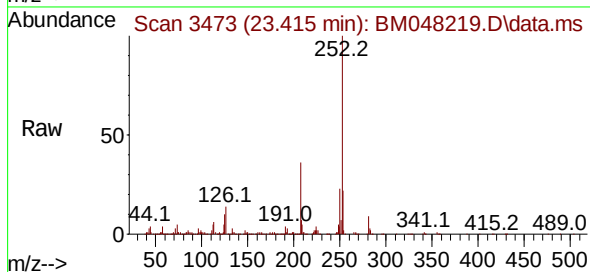
Tgt Ion:252 Resp: 563528

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 10.2 7.8 11.6



Benzo(a)pyrene

Concen: 12.990 ng

RT: 24.144 min Scan# 3597

Delta R.T. -0.012 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

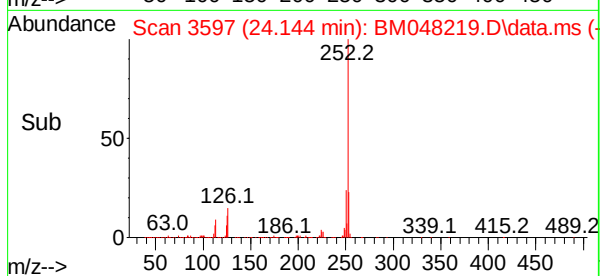
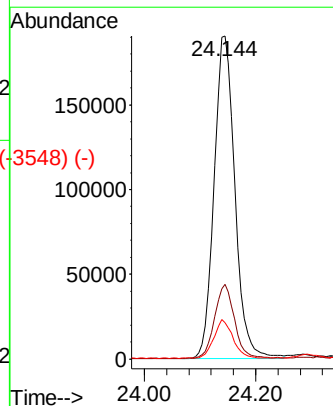
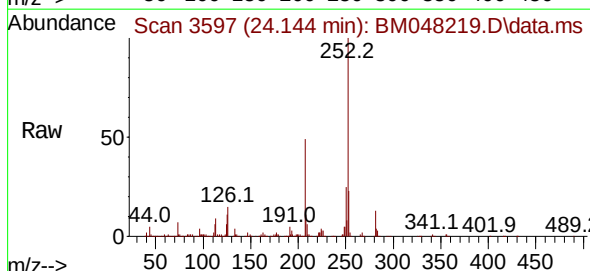
Tgt Ion:252 Resp: 493677

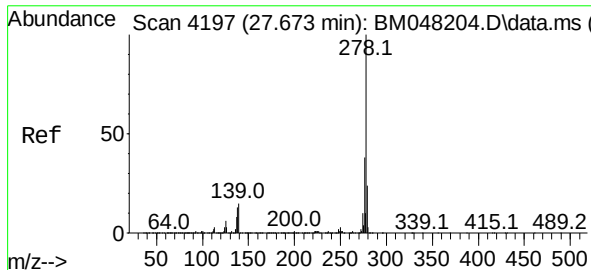
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 11.4 8.8 13.2

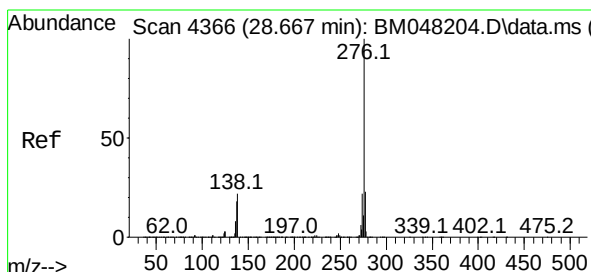
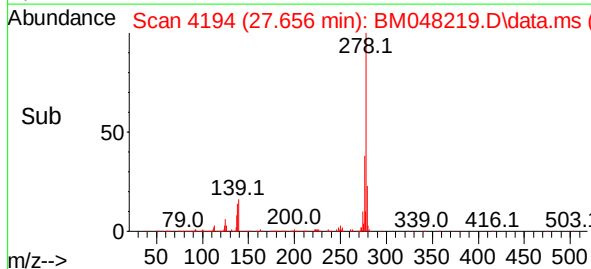
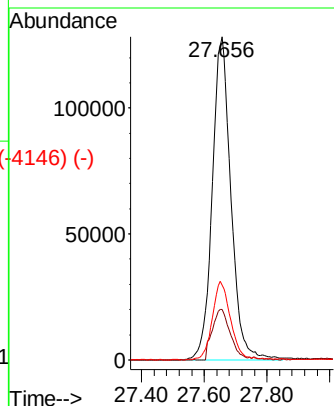
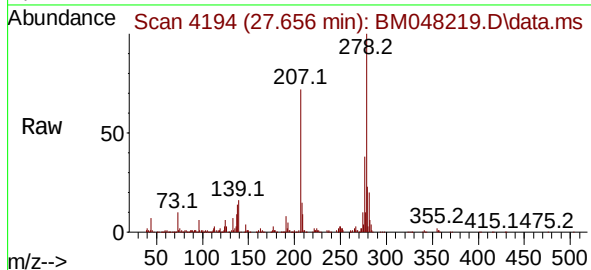




Dibenzo(a,h)anthracene
Concen: 12.647 ng
RT: 27.656 min Scan# 4191
Delta R.T. -0.017 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	278	Resp:	530967
Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.2	18.4
279	23.2	19.0	28.6



Benzo(g,h,i)perylene
Concen: 11.913 ng
RT: 28.638 min Scan# 4361
Delta R.T. -0.029 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:	276	Resp:	512134
Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.5	27.7
138	21.2	17.5	26.3

