

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049577.D
 Acq On : 06 Feb 2025 10:59
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 06 11:55:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 11:55:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	182987	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	658394	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	407605	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	778537	20.000	ng	0.00
76) Chrysene-d12	21.445	240	639419	20.000	ng	0.00
86) Perylene-d12	24.474	264	541757	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1606561	141.184	ng	0.00
7) Phenol-d6	6.981	99	2073893	139.112	ng	0.00
23) Nitrobenzene-d5	8.975	82	1393709	108.884	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	707537	146.495	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3471878	110.343	ng	0.00
79) Terphenyl-d14	19.833	244	5708422	136.327	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.293	88	29327	6.130	ng	96
3) Pyridine	3.699	79	67034	5.042	ng	94
4) n-Nitrosodimethylamine	3.599	42	35149	5.650	ng	# 88
6) Aniline	7.146	93	82115	5.812	ng	99
8) 2-Chlorophenol	7.387	128	60304	5.307	ng	94
9) Benzaldehyde	6.957	77	70714	8.958	ng	93
10) Phenol	7.004	94	80793	5.502	ng	94
11) bis(2-Chloroethyl)ether	7.246	93	67510	5.683	ng	99
12) 1,3-Dichlorobenzene	7.716	146	74483	5.647	ng	99
13) 1,4-Dichlorobenzene	7.863	146	75460	5.657	ng	96
14) 1,2-Dichlorobenzene	8.181	146	72617	5.638	ng	99
15) Benzyl Alcohol	8.057	79	49690	4.791	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.351	45	97906	6.122	ng	98
17) 2-Methylphenol	8.257	107	45035	5.016	ng	96
18) Hexachloroethane	8.910	117	26624	5.464	ng	90
19) n-Nitroso-di-n-propyla...	8.628	70	51521	5.277	ng	96
20) 3+4-Methylphenols	8.587	107	56339	4.753	ng	96
22) Acetophenone	8.640	105	98201	5.538	ng	96
24) Nitrobenzene	9.016	77	81410	6.546	ng	94
25) Isophorone	9.545	82	130365	5.647	ng	99
26) 2-Nitrophenol	9.734	139	12409	5.410	ng	97
27) 2,4-Dimethylphenol	9.792	122	41336	5.663	ng	99
28) bis(2-Chloroethoxy)met...	10.034	93	80782	5.433	ng	99
29) 2,4-Dichlorophenol	10.263	162	43163	4.294	ng	96
30) 1,2,4-Trichlorobenzene	10.486	180	69021	5.605	ng	99
31) Naphthalene	10.669	128	185485	5.342	ng	99
32) Benzoic acid	9.792	122	41336	15.631	ng	# 16
33) 4-Chloroaniline	10.769	127	70158	5.398	ng	97
34) Hexachlorobutadiene	10.969	225	40941	5.551	ng	98
35) Caprolactam	11.510	113	12049	3.929	ng	96
36) 4-Chloro-3-methylphenol	11.892	107	40001	3.990	ng	97
37) 2-Methylnaphthalene	12.286	142	124058	5.074	ng	95
38) 1-Methylnaphthalene	12.286	142	124058	5.215	ng	100
40) 1,2,4,5-Tetrachloroben...	12.651	216	71672	5.348	ng	98
41) Hexachlorocyclopentadiene	12.645	237	13899	4.063	ng	94
43) 2,4,6-Trichlorophenol	12.892	196	27500	3.760	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049577.D
 Acq On : 06 Feb 2025 10:59
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 06 11:55:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 11:55:12 2025
 Response via : Initial Calibration

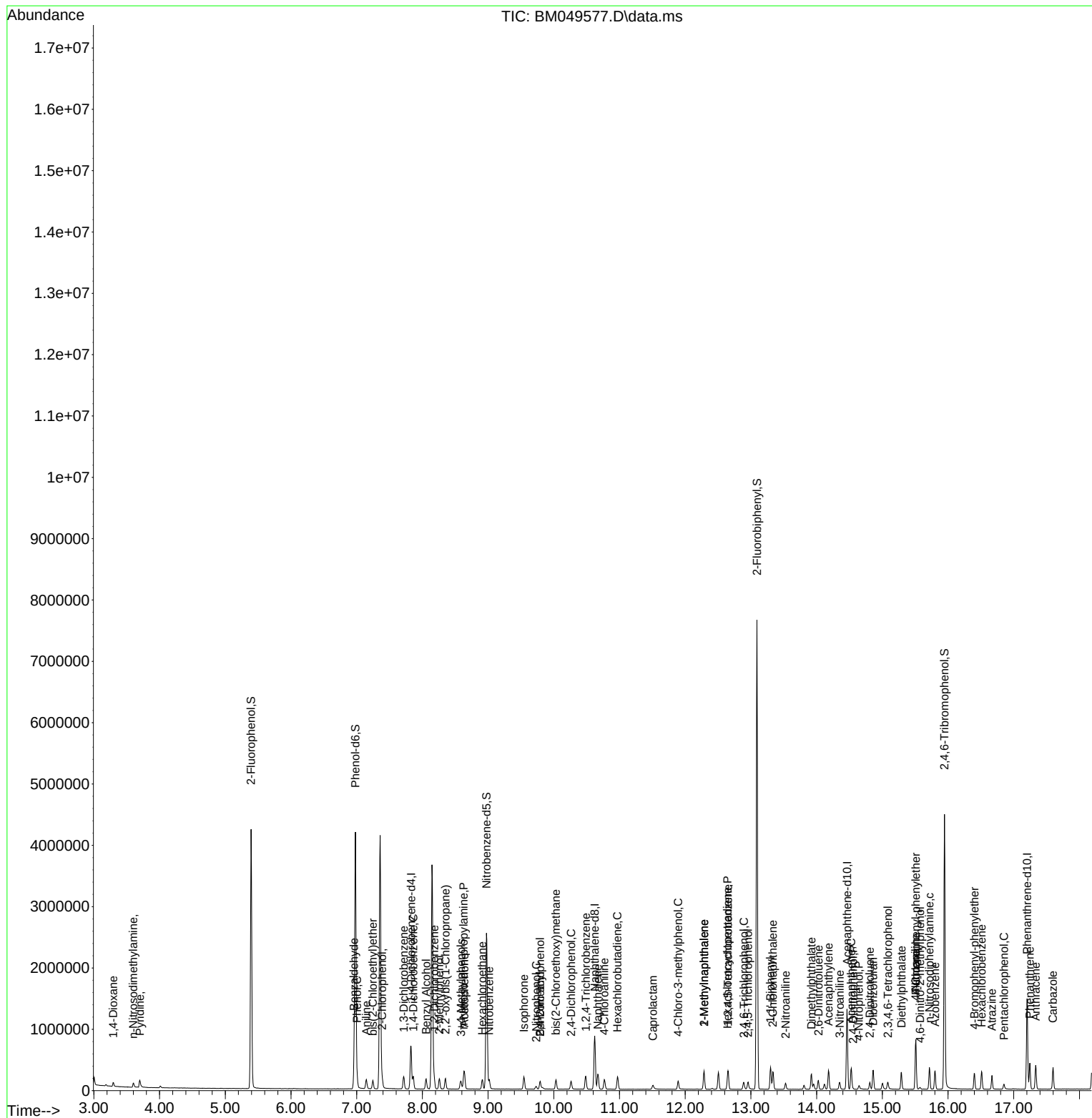
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	29489	3.669	ng	# 94
46) 1,1'-Biphenyl	13.298	154	176301	5.670	ng	99
47) 2-Chloronaphthalene	13.333	162	131343	5.459	ng	99
48) 2-Nitroaniline	13.527	65	22774	4.126	ng	88
49) Acenaphthylene	14.180	152	203206	5.728	ng	98
50) Dimethylphthalate	13.922	163	146685	5.011	ng	100
51) 2,6-Dinitrotoluene	14.027	165	21950	4.334	ng	92
52) Acenaphthene	14.527	154	114251	4.852	ng	94
53) 3-Nitroaniline	14.351	138	21861	4.239	ng	# 95
54) 2,4-Dinitrophenol	14.557	184	2597	5.491	ng	84
55) Dibenzofuran	14.863	168	193567	5.163	ng	98
56) 4-Nitrophenol	14.645	139	11855	2.727	ng	90
57) 2,4-Dinitrotoluene	14.810	165	21470	6.034	ng	# 80
58) Fluorene	15.510	166	152350	4.750	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.086	232	23086	3.400	ng	93
60) Diethylphthalate	15.292	149	140842	4.788	ng	98
61) 4-Chlorophenyl-phenyle...	15.510	204	80780	4.732	ng	93
62) 4-Nitroaniline	15.504	138	21591	3.738	ng	# 78
63) Azobenzene	15.804	77	167359	5.450	ng	98
65) 4,6-Dinitro-2-methylph...	15.574	198	4564	6.778	ng	76
66) n-Nitrosodiphenylamine	15.716	169	122779	5.001	ng	98
67) 4-Bromophenyl-phenylether	16.404	248	45060	4.982	ng	99
68) Hexachlorobenzene	16.510	284	54048	5.206	ng	94
69) Atrazine	16.668	200	34310	4.701	ng	96
70) Pentachlorophenol	16.851	266	13097	9.402	ng	89
71) Phenanthrene	17.245	178	231092	5.210	ng	100
72) Anthracene	17.333	178	222217	5.060	ng	100
73) Carbazole	17.598	167	197274	5.118	ng	99
74) Di-n-butylphthalate	18.186	149	191281	3.911	ng	99
75) Fluoranthene	19.257	202	232752	4.482	ng	99
77) Benzidine	19.439	184	33663	5.945	ng	# 96
78) Pyrene	19.621	202	243341	5.083	ng	100
80) Butylbenzylphthalate	20.533	149	35843	2.406	ng	95
81) Benzo(a)anthracene	21.427	228	221616	5.114	ng	99
82) 3,3'-Dichlorobenzidine	21.345	252	43931	3.767	ng	99
83) Chrysene	21.486	228	209491	5.160	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	71991	2.819	ng	94
85) Di-n-octyl phthalate	22.539	149	86928	2.157	ng	# 86
87) Indeno(1,2,3-cd)pyrene	27.897	276	139815	4.726	ng	# 87
88) Benzo(b)fluoranthene	23.515	252	173429	4.653	ng	# 98
89) Benzo(k)fluoranthene	23.580	252	169471	4.682	ng	99
90) Benzo(a)pyrene	24.333	252	138089	4.675	ng	99
91) Dibenzo(a,h)anthracene	27.968	278	106665	4.562	ng	96
92) Benzo(g,h,i)perylene	28.944	276	117171	4.486	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049577.D
 Acq On : 06 Feb 2025 10:59
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

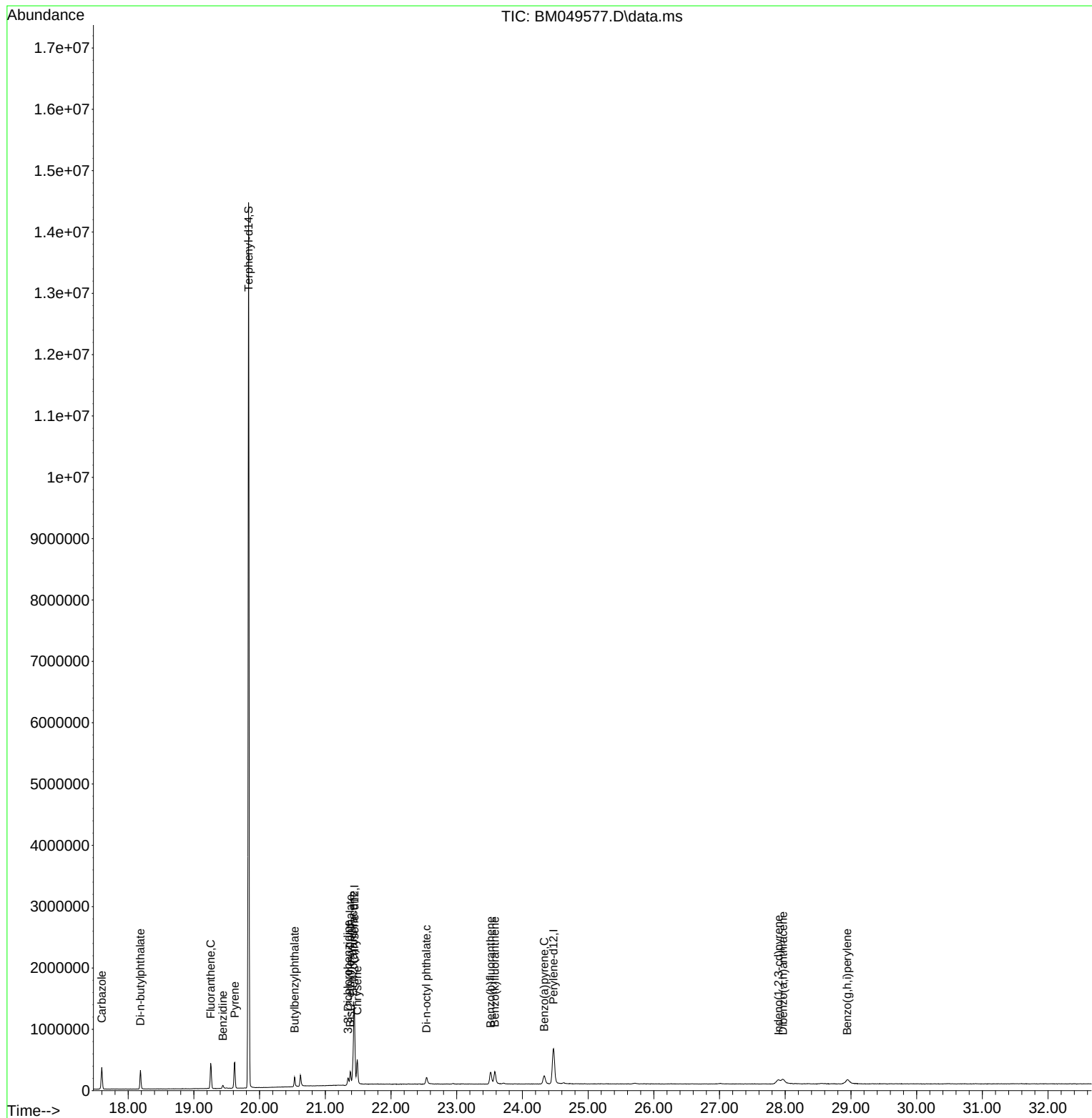
Quant Time: Feb 06 11:55:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 11:55:12 2025
 Response via : Initial Calibration

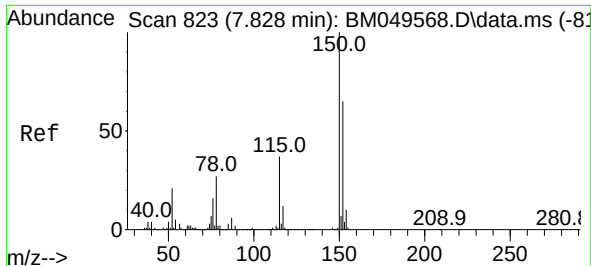


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
Data File : BM049577.D
Acq On : 06 Feb 2025 10:59
Operator : RC/JU
Sample : Q1168-02
Misc : LOQ-SOIL 5PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Quant Time: Feb 06 11:55:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 11:55:12 2025
Response via : Initial Calibration

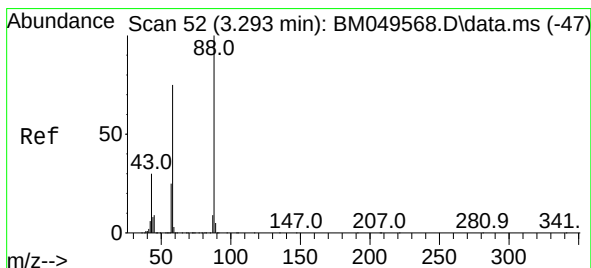
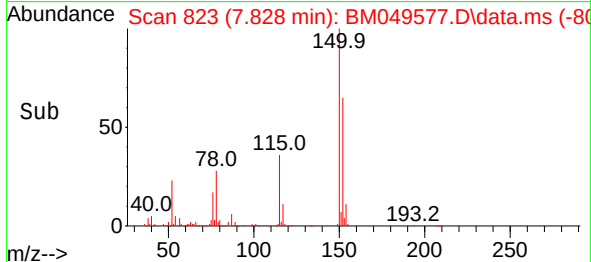
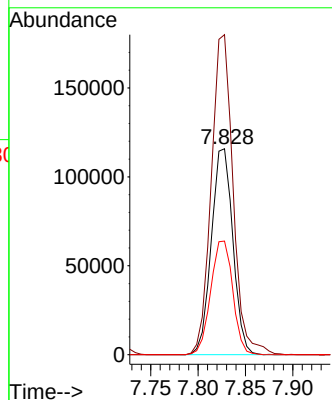
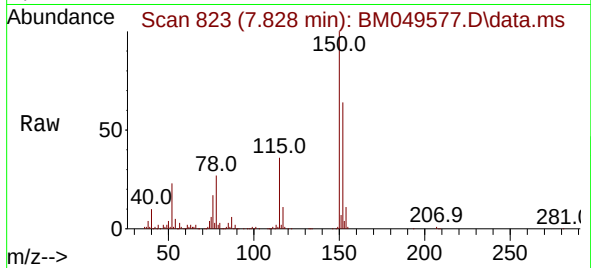




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

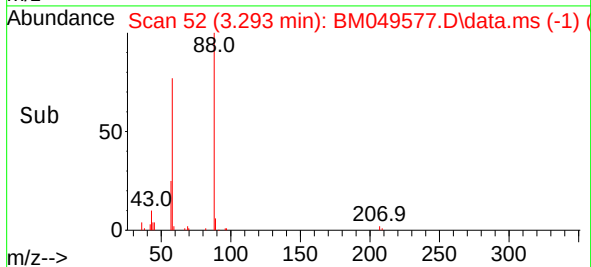
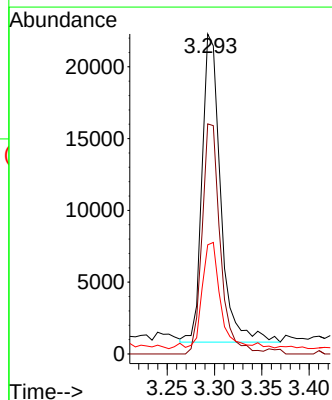
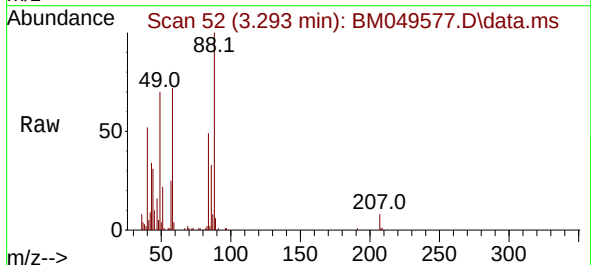
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

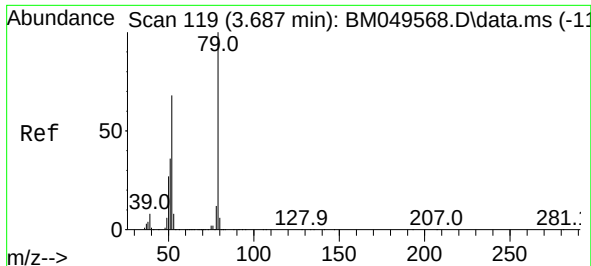
Tgt Ion:152 Resp: 182987
Ion Ratio Lower Upper
152 100
150 155.4 122.6 184.0
115 55.2 45.4 68.0



#2
1,4-Dioxane
Concen: 6.130 ng
RT: 3.293 min Scan# 52
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion: 88 Resp: 29327
Ion Ratio Lower Upper
88 100
58 73.0 60.0 90.0
43 34.0 24.4 36.6

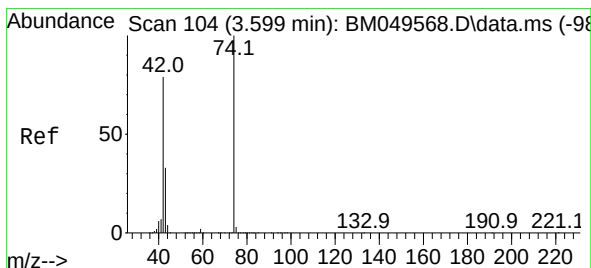
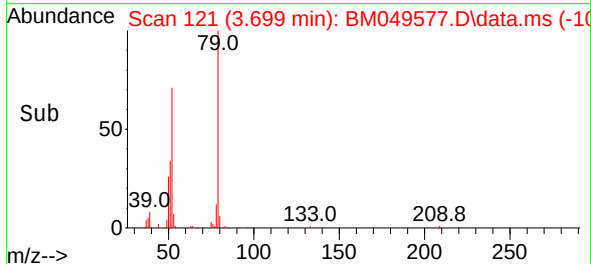
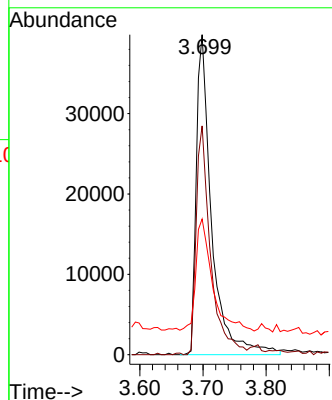
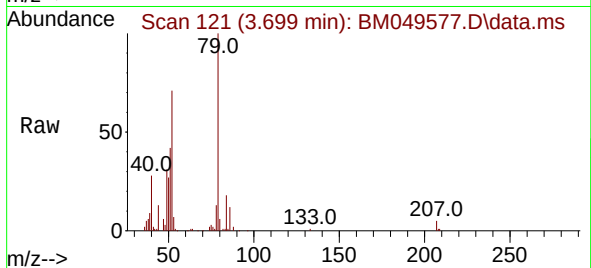




#3
Pyridine
Concen: 5.042 ng
RT: 3.699 min Scan# 119
Delta R.T. 0.012 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

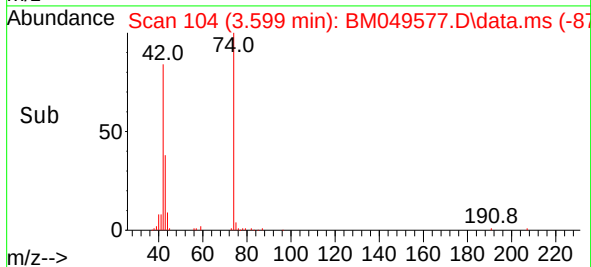
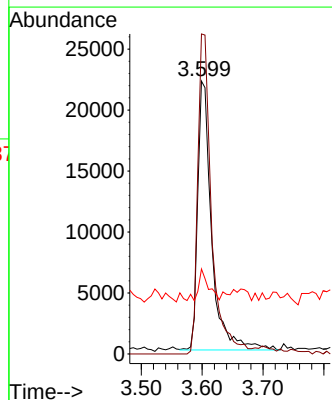
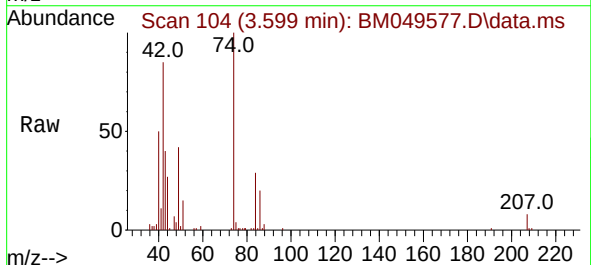
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

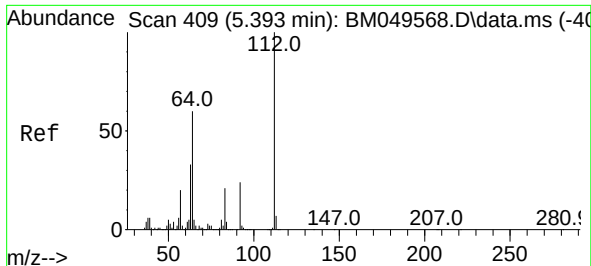
Tgt Ion: 79 Resp: 67034
Ion Ratio Lower Upper
79 100
52 71.5 54.5 81.7
51 42.4 29.0 43.6



#4
n-Nitrosodimethylamine
Concen: 5.650 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion: 42 Resp: 35149
Ion Ratio Lower Upper
42 100
74 117.3 101.3 151.9
44 31.1 6.5 9.7#

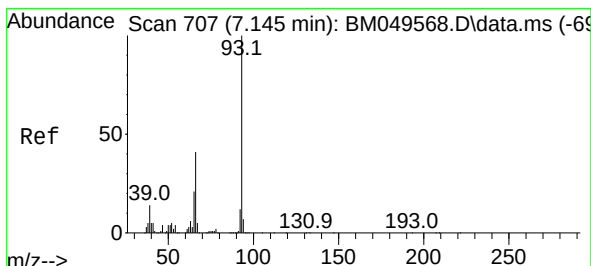
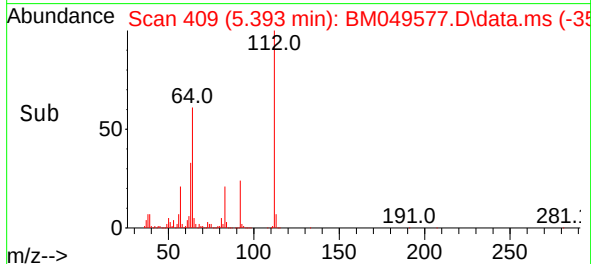
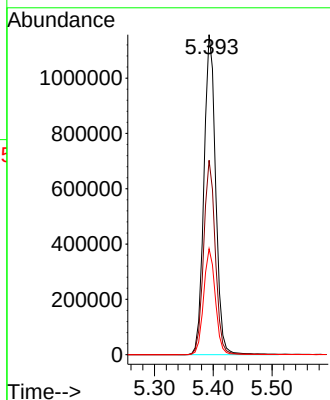
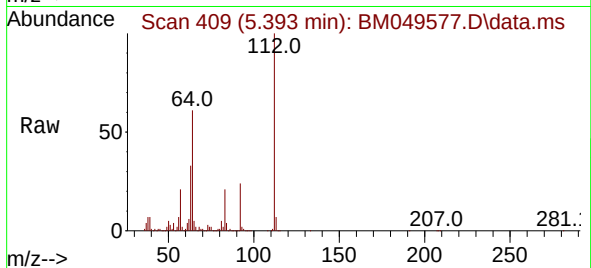




#5
2-Fluorophenol
Concen: 141.184 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

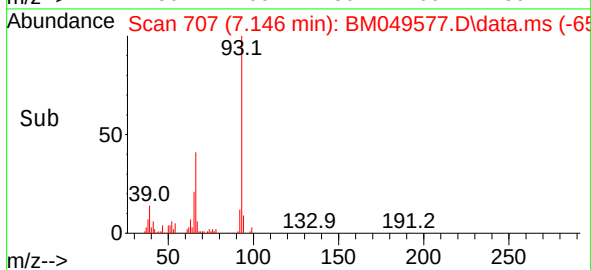
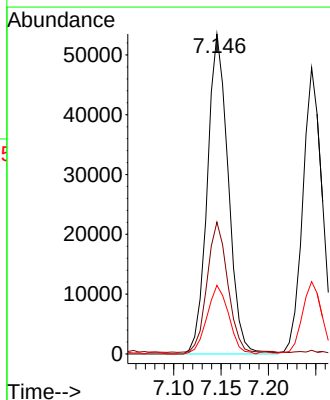
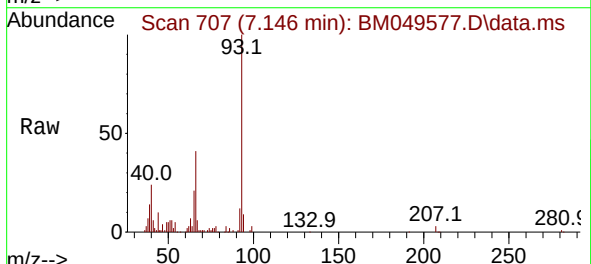
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

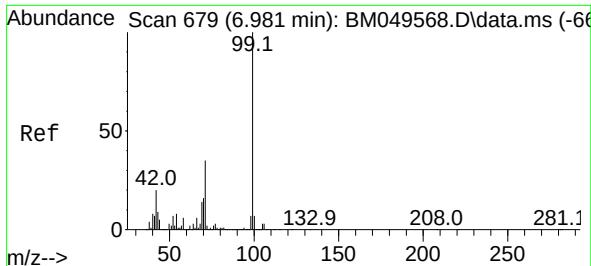
Tgt Ion:112 Resp: 1606561
Ion Ratio Lower Upper
112 100
64 60.8 47.8 71.8
63 33.1 26.2 39.4



#6
Aniline
Concen: 5.812 ng
RT: 7.146 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion: 93 Resp: 82115
Ion Ratio Lower Upper
93 100
66 41.2 33.3 49.9
65 21.5 16.8 25.2



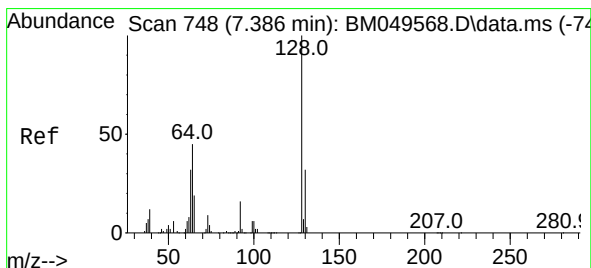
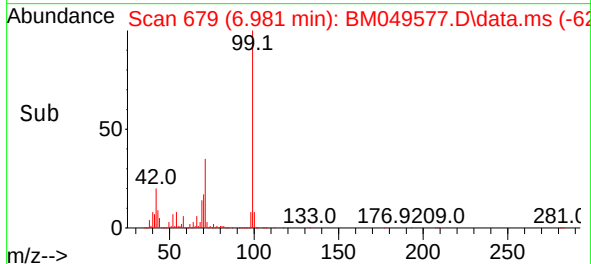
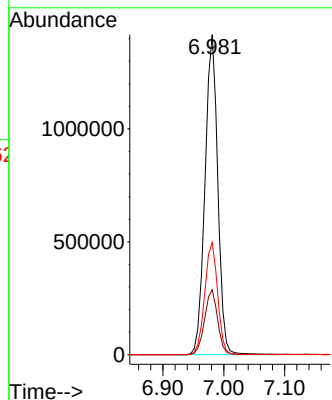
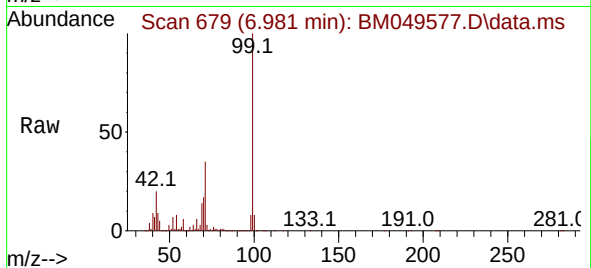


#7
Phenol-d6
Concen: 139.112 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 99 Resp: 2073893

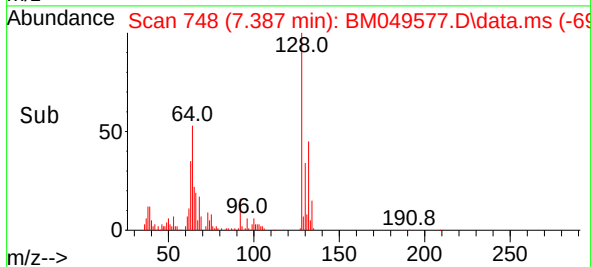
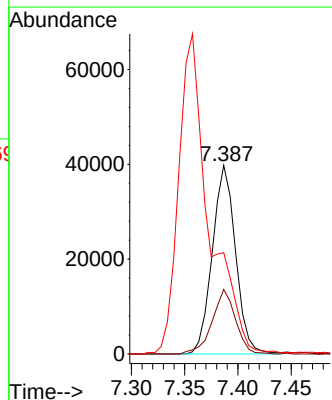
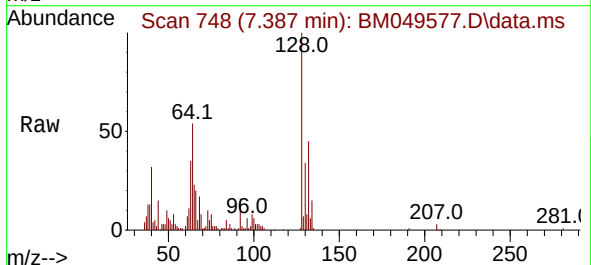
Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.0	24.0
71	35.0	27.8	41.6

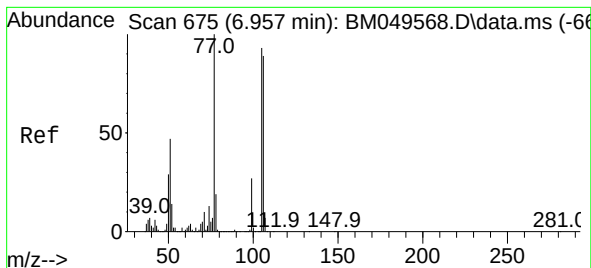


#8
2-Chlorophenol
Concen: 5.307 ng
RT: 7.387 min Scan# 748
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion: 128 Resp: 60304

Ion	Ratio	Lower	Upper
128	100		
130	34.2	12.4	52.4
64	53.7	28.7	68.7





#9

Benzaldehyde

Concen: 8.958 ng

RT: 6.957 min Scan# 61

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

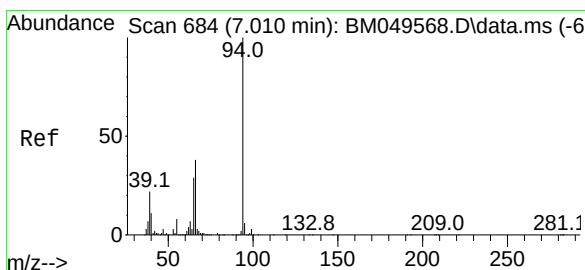
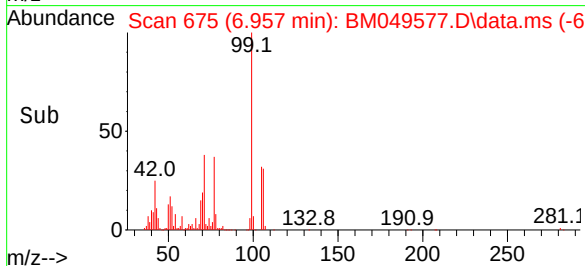
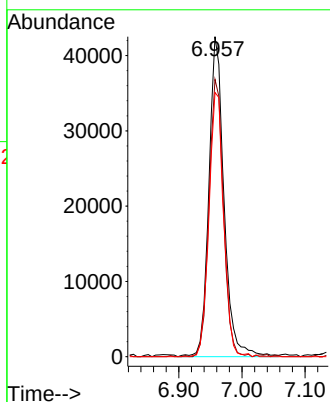
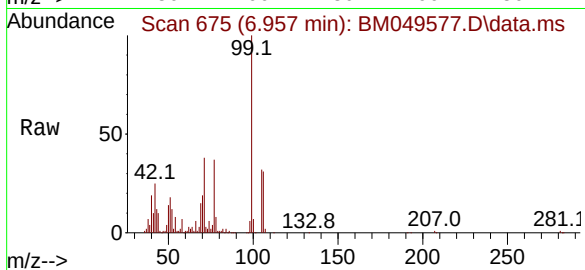
Tgt Ion: 77 Resp: 70714

Ion Ratio Lower Upper

77 100

105 86.7 72.7 112.7

106 82.5 68.9 108.9



#10

Phenol

Concen: 5.502 ng

RT: 7.004 min Scan# 683

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

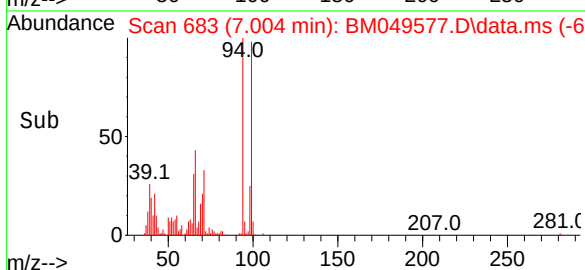
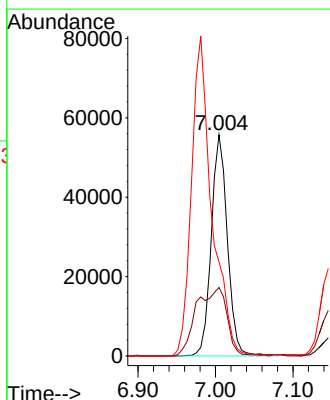
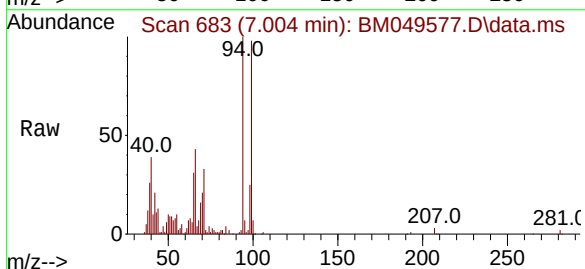
Tgt Ion: 94 Resp: 80793

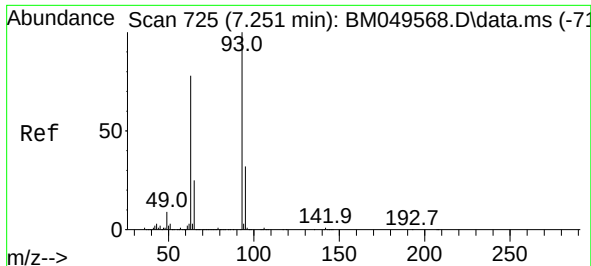
Ion Ratio Lower Upper

94 100

65 31.0 9.3 49.3

66 42.6 17.7 57.7

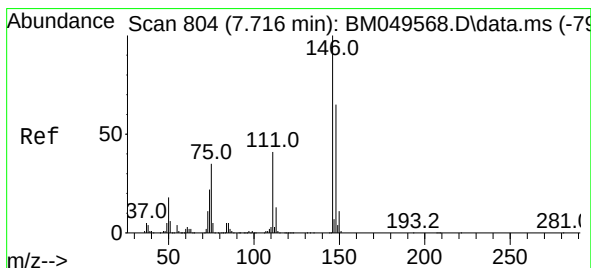
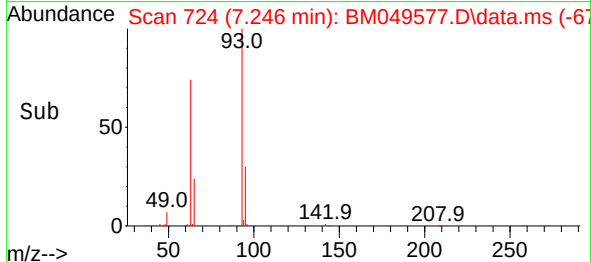
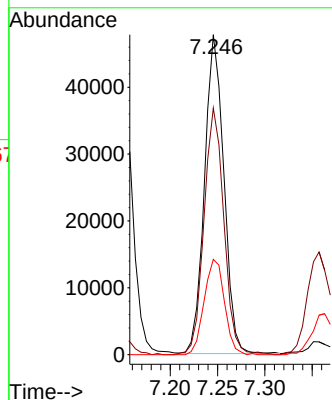
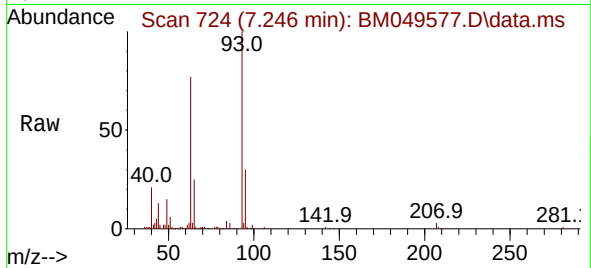




#11
bis(2-Chloroethyl)ether
Concen: 5.683 ng
RT: 7.246 min Scan# 725
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

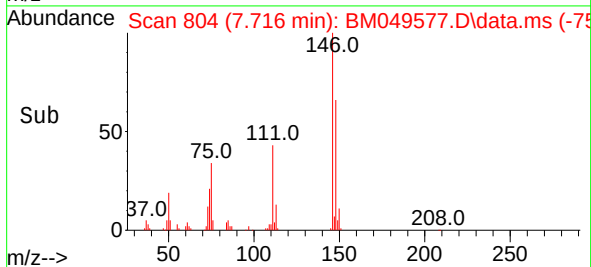
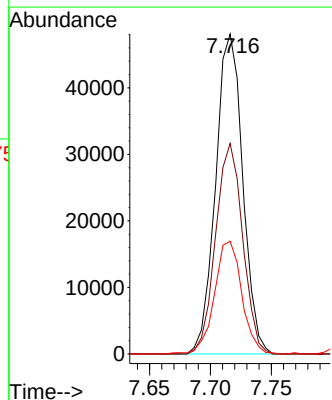
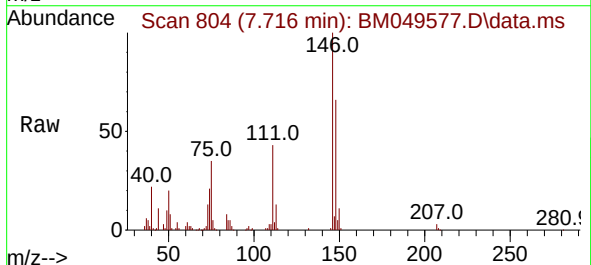
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

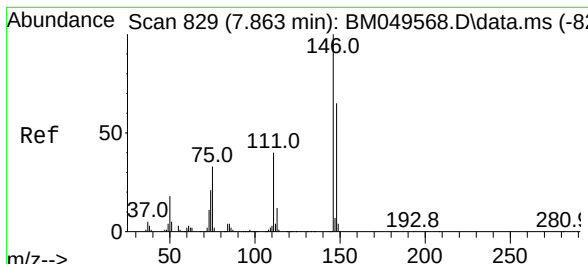
Tgt Ion: 93 Resp: 67510
Ion Ratio Lower Upper
93 100
63 77.1 57.3 97.3
95 29.8 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 5.647 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:146 Resp: 74483
Ion Ratio Lower Upper
146 100
148 65.8 52.2 78.2
75 35.2 28.3 42.5

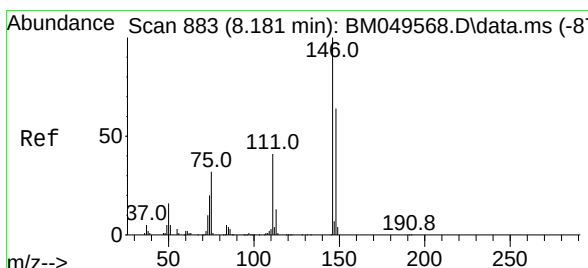
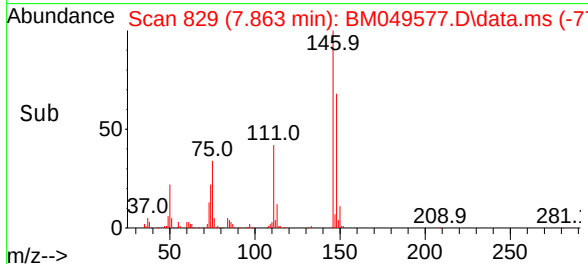
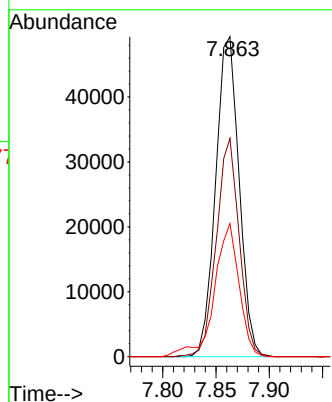
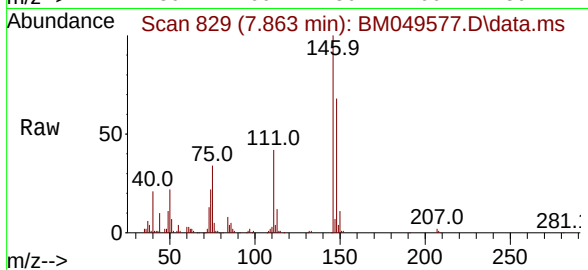




#13
 1,4-Dichlorobenzene
 Concen: 5.657 ng
 RT: 7.863 min Scan# 829
 Delta R.T. 0.000 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

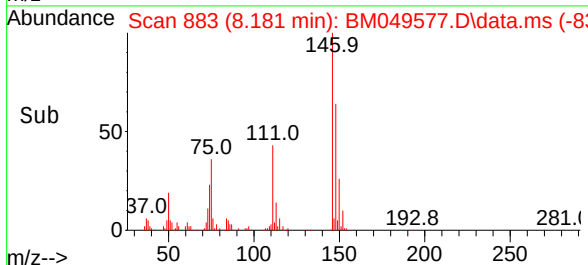
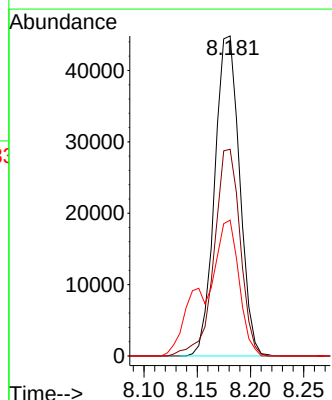
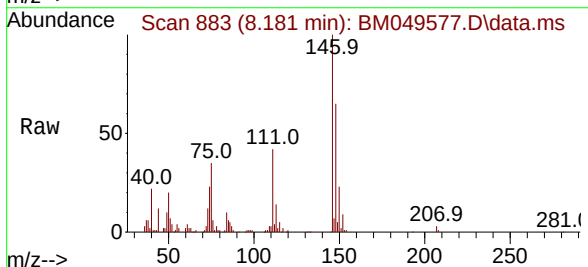
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

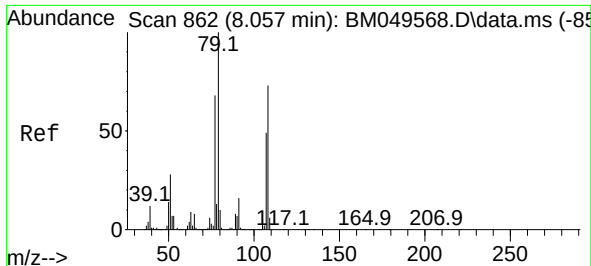
Tgt Ion:146 Resp: 75460
 Ion Ratio Lower Upper
 146 100
 148 68.2 52.1 78.1
 111 41.6 31.7 47.5



#14
 1,2-Dichlorobenzene
 Concen: 5.638 ng
 RT: 8.181 min Scan# 883
 Delta R.T. 0.000 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

Tgt Ion:146 Resp: 72617
 Ion Ratio Lower Upper
 146 100
 148 64.6 51.5 77.3
 111 42.5 33.4 50.0

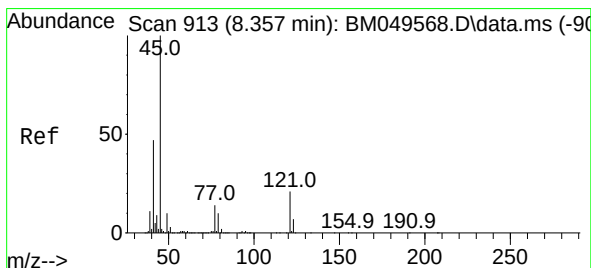
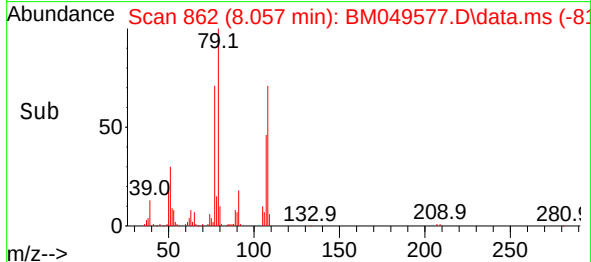
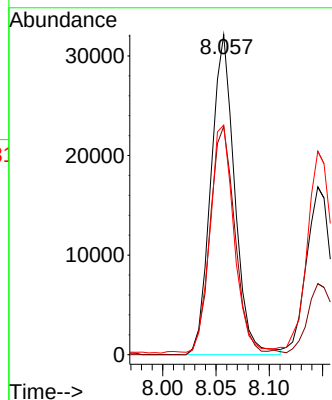
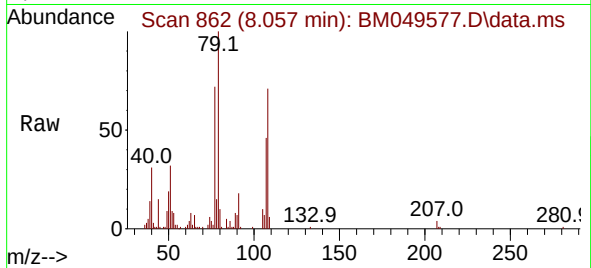




#15
Benzyl Alcohol
Concen: 4.791 ng
RT: 8.057 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

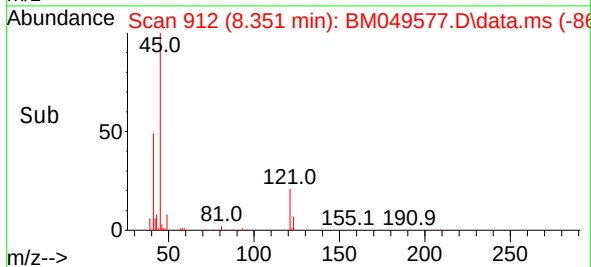
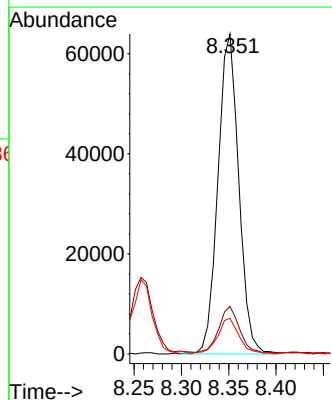
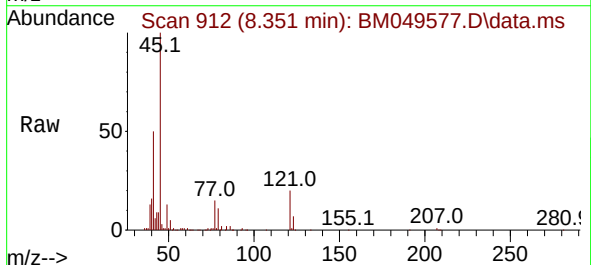
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

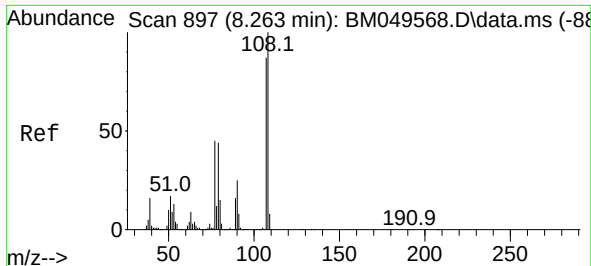
Tgt Ion: 79 Resp: 49690
Ion Ratio Lower Upper
79 100
108 71.3 58.6 88.0
77 71.8 54.0 81.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.122 ng
RT: 8.351 min Scan# 912
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion: 45 Resp: 97906
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.0
79 11.2 0.0 30.8

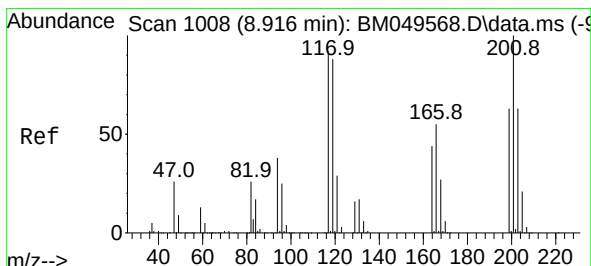
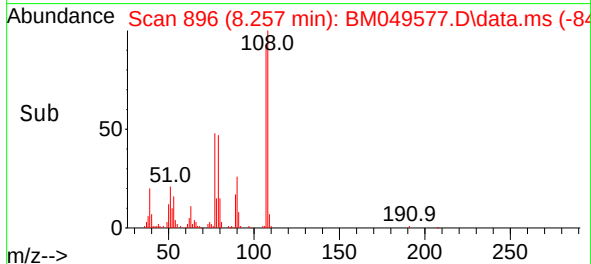
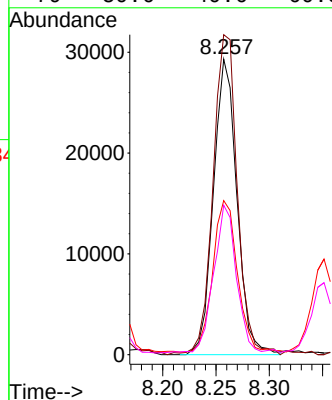
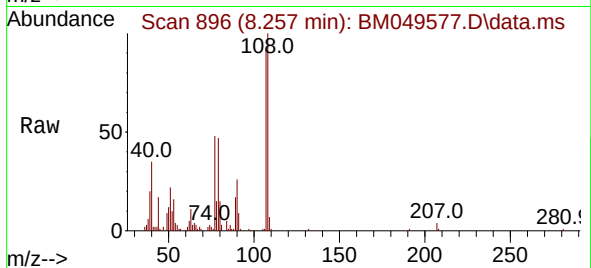




#17
2-Methylphenol
Concen: 5.016 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

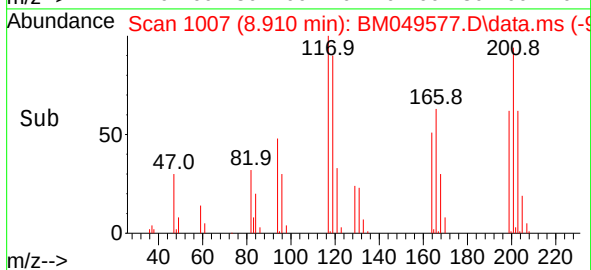
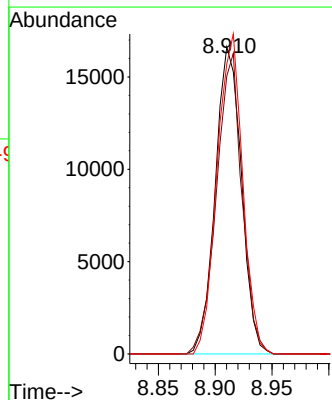
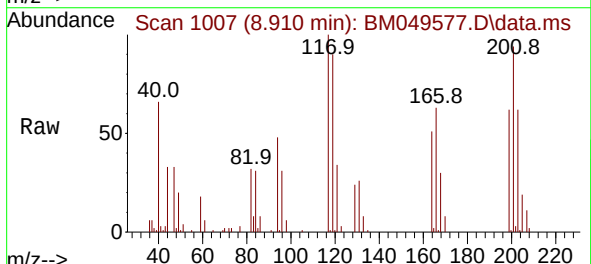
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

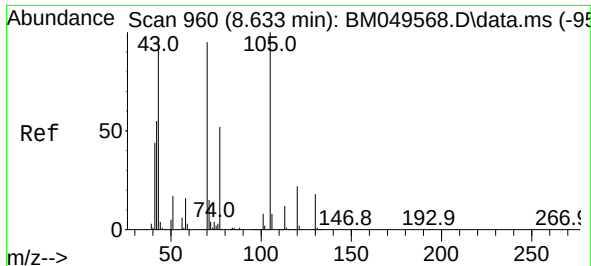
Tgt Ion:	107	Resp:	45035
Ion	Ratio	Lower	Upper
107	100		
108	108.3	92.2	138.4
77	52.1	41.3	61.9
79	50.6	40.6	60.8



#18
Hexachloroethane
Concen: 5.464 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:	117	Resp:	26624
Ion	Ratio	Lower	Upper
117	100		
119	90.5	76.8	115.2
201	94.4	87.0	130.6

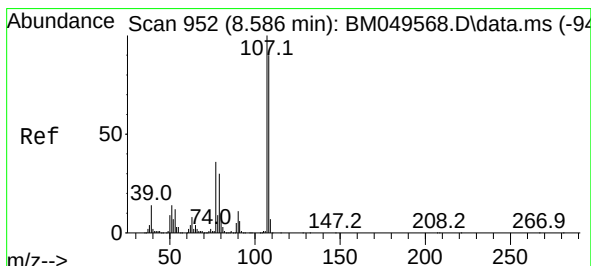
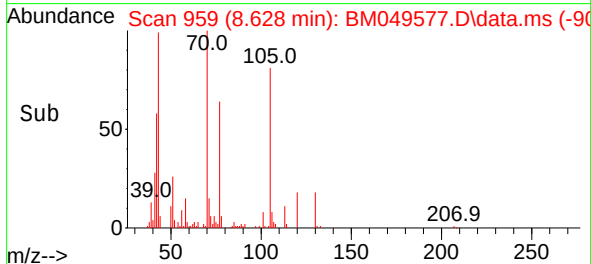
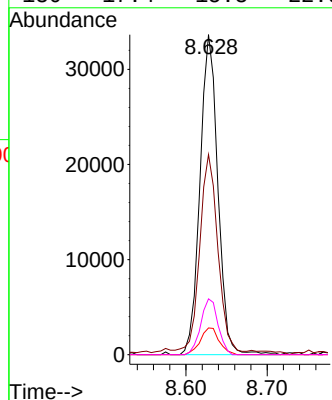
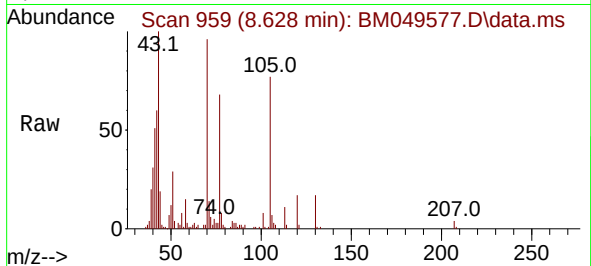




#19
n-Nitroso-di-n-propylamine
Concen: 5.277 ng
RT: 8.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

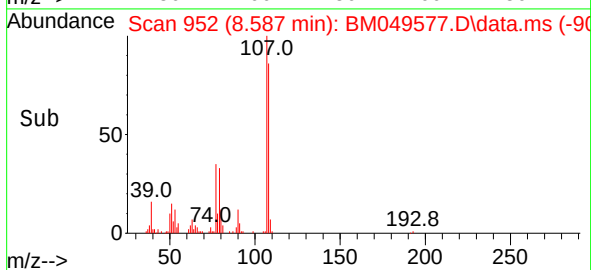
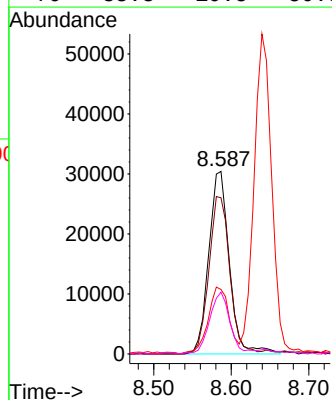
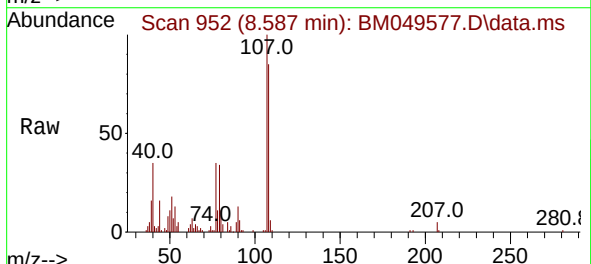
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

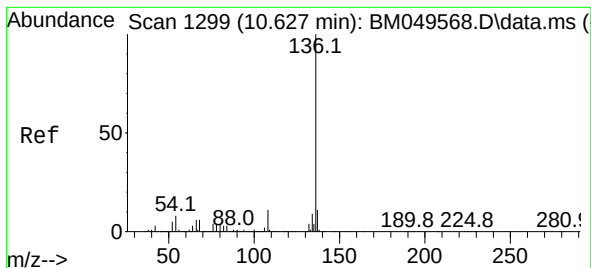
Tgt Ion:	70	Resp:	51521
Ion	Ratio	Lower	Upper
70	100		
42	62.5	47.4	71.2
101	8.4	7.1	10.7
130	17.4	15.3	22.9



#20
3+4-Methylphenols
Concen: 4.753 ng
RT: 8.587 min Scan# 952
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:	107	Resp:	56339
Ion	Ratio	Lower	Upper
107	100		
108	85.5	69.6	109.6
77	35.3	16.0	56.0
79	33.8	10.5	50.5

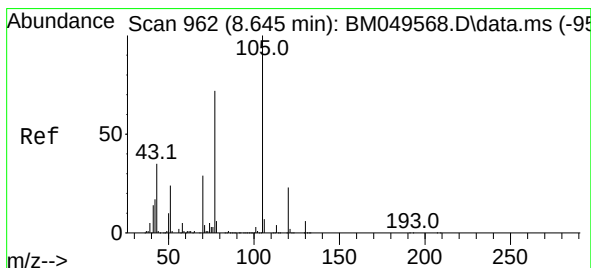
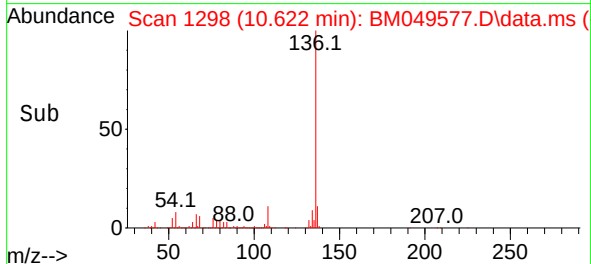
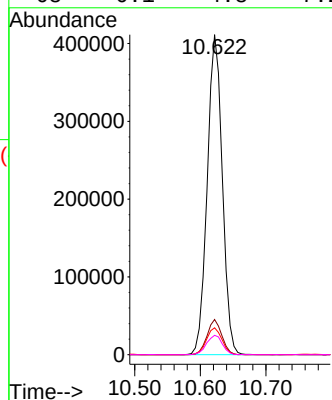
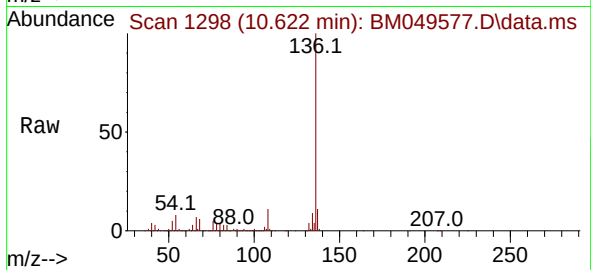




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

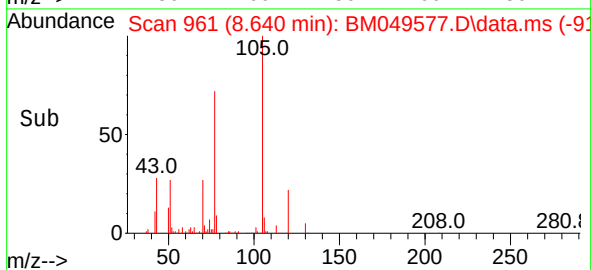
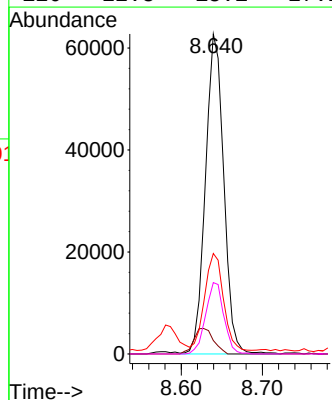
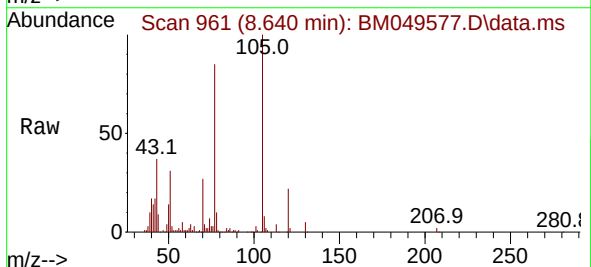
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

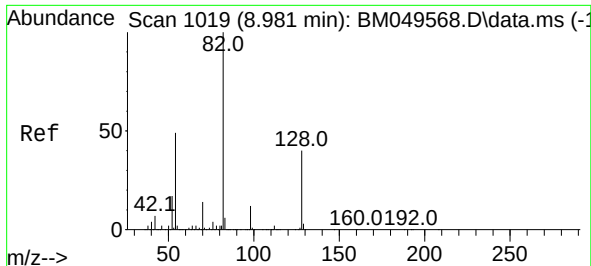
Tgt Ion:	136	Resp:	658394
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	8.4	6.6	10.0
68	6.1	4.8	7.2



#22
Acetophenone
Concen: 5.538 ng
RT: 8.640 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:	105	Resp:	98201
Ion Ratio	Lower	Upper	
105	100		
71	4.2	3.5	5.3
51	31.4	21.7	32.5
120	22.3	18.1	27.1

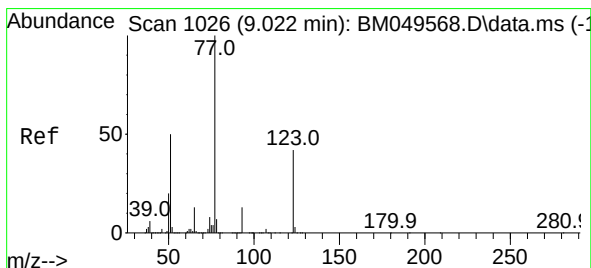
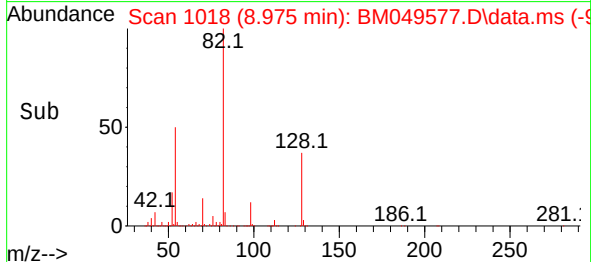
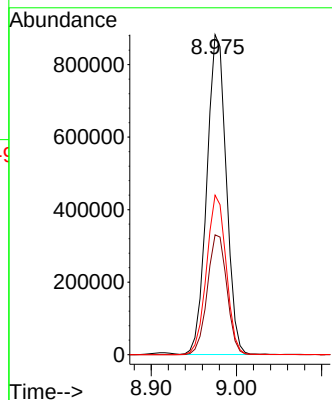
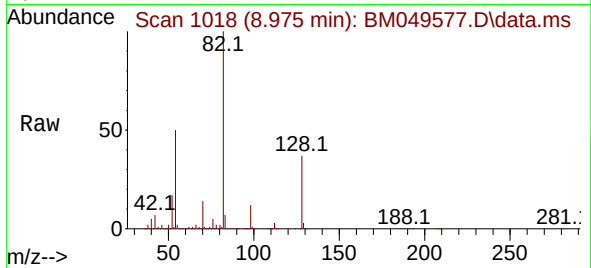




#23
Nitrobenzene-d5
Concen: 108.884 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

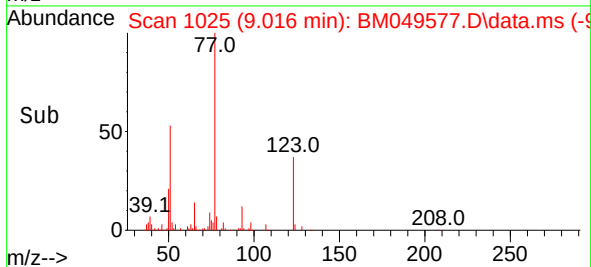
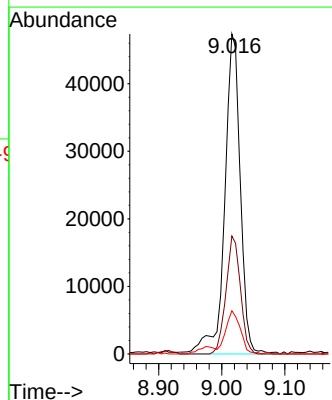
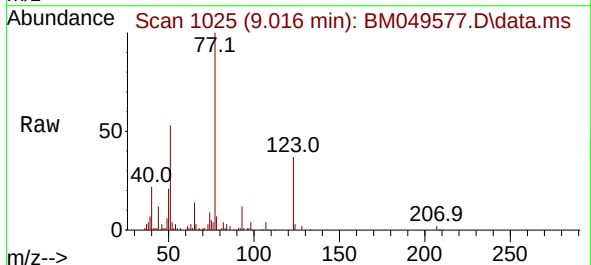
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

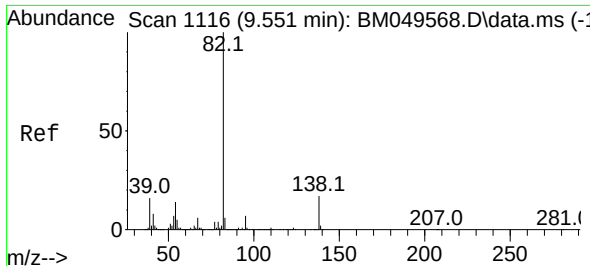
Tgt Ion: 82 Resp: 1393709
Ion Ratio Lower Upper
82 100
128 37.4 31.6 47.4
54 49.8 39.4 59.0



#24
Nitrobenzene
Concen: 6.546 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion: 77 Resp: 81410
Ion Ratio Lower Upper
77 100
123 36.9 33.4 50.2
65 13.5 10.5 15.7

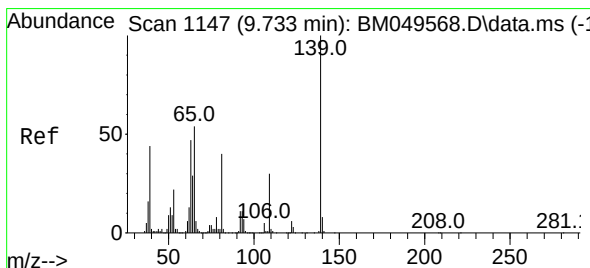
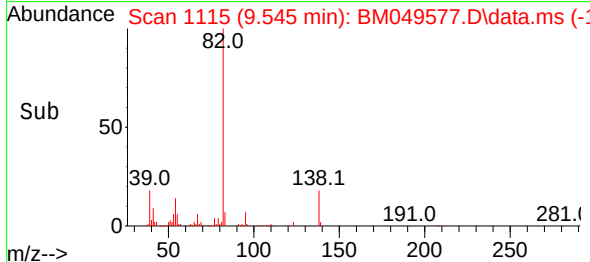
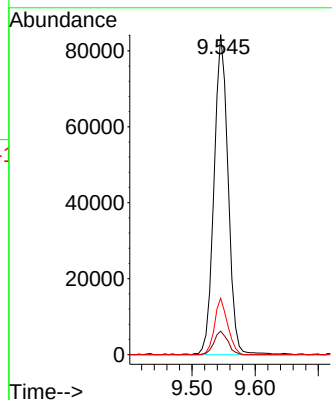
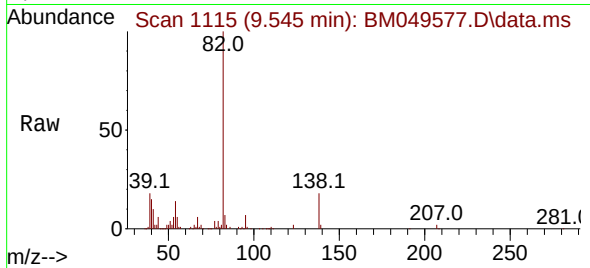




#25
Isophorone
Concen: 5.647 ng
RT: 9.545 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

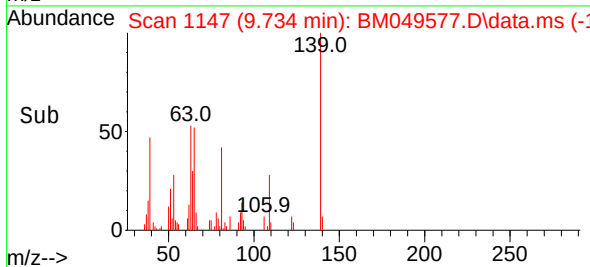
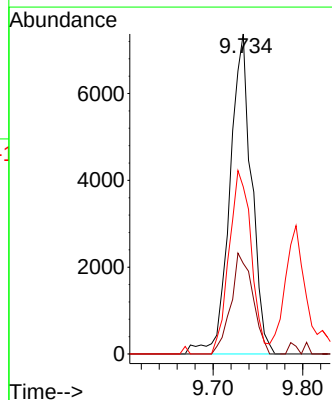
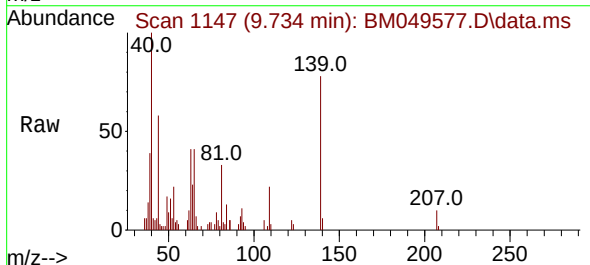
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

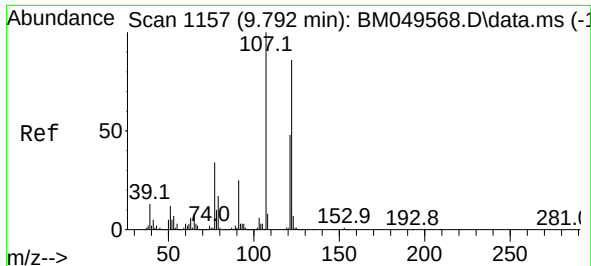
Tgt Ion: 82 Resp: 130365
Ion Ratio Lower Upper
82 100
95 7.4 5.5 8.3
138 17.6 13.6 20.4



#26
2-Nitrophenol
Concen: 5.410 ng
RT: 9.734 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:139 Resp: 12409
Ion Ratio Lower Upper
139 100
109 28.3 24.2 36.2
65 52.3 43.4 65.2

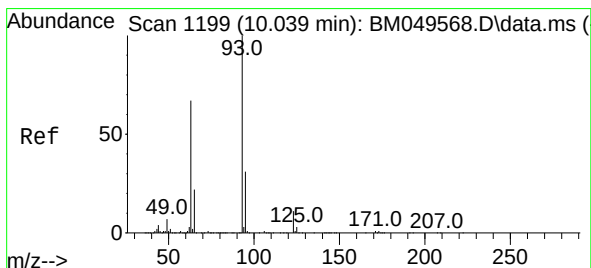
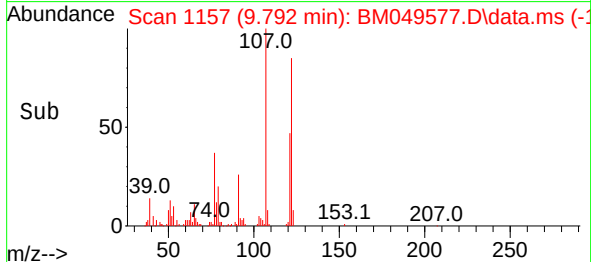
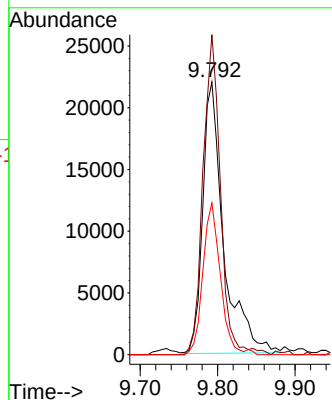
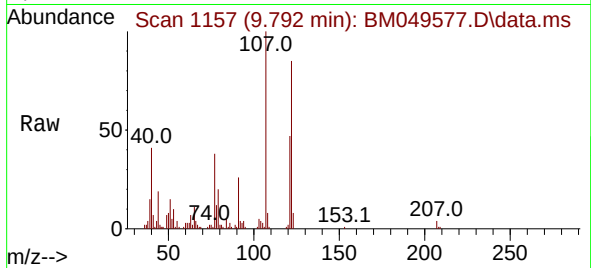




#27
2,4-Dimethylphenol
Concen: 5.663 ng
RT: 9.792 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

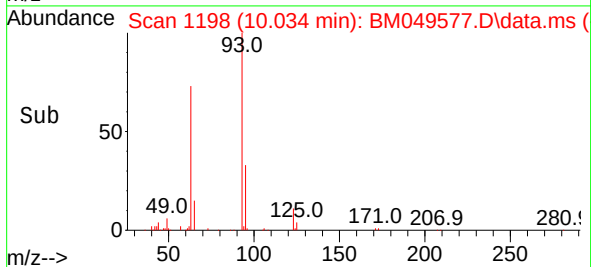
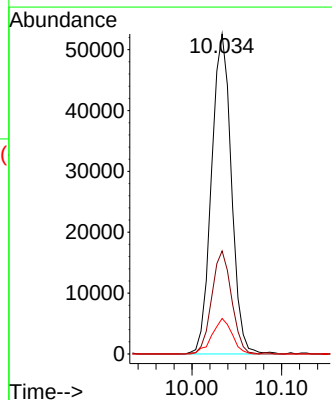
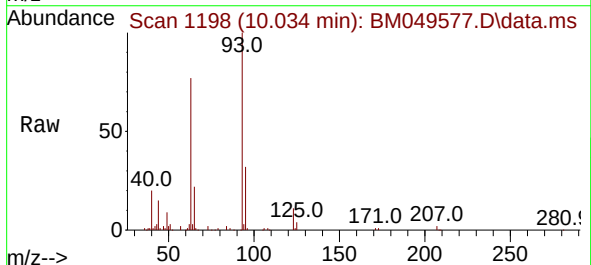
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

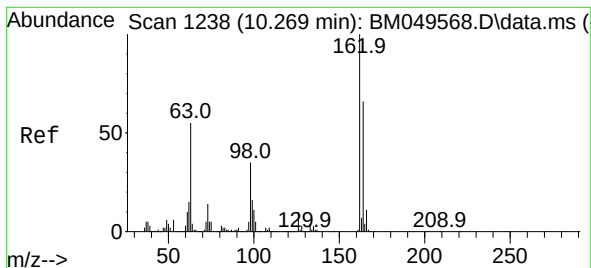
Tgt Ion:122 Resp: 41336
Ion Ratio Lower Upper
122 100
107 117.4 93.2 139.8
121 55.7 44.4 66.6



#28
bis(2-Chloroethoxy)methane
Concen: 5.433 ng
RT: 10.034 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion: 93 Resp: 80782
Ion Ratio Lower Upper
93 100
95 32.2 25.2 37.8
123 11.1 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 4.294 ng

RT: 10.263 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

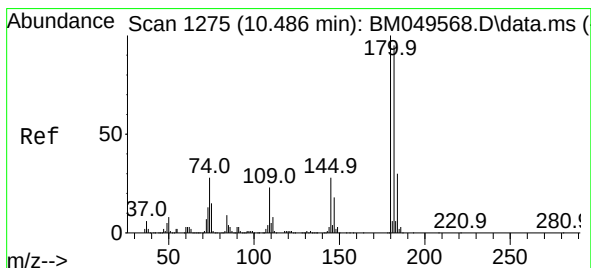
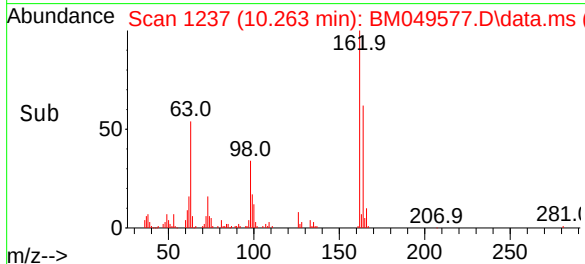
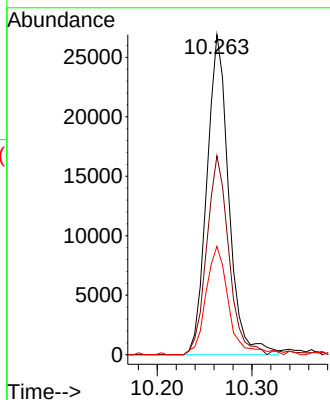
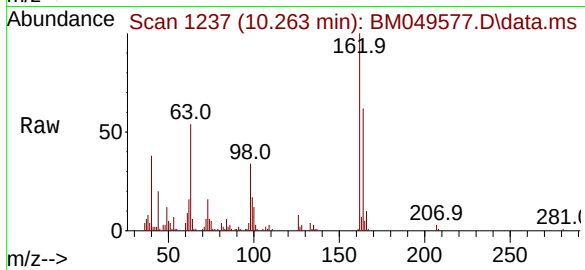
Tgt Ion:162 Resp: 43163

Ion Ratio Lower Upper

162 100

164 62.1 46.0 86.0

98 33.8 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 5.605 ng

RT: 10.486 min Scan# 1275

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

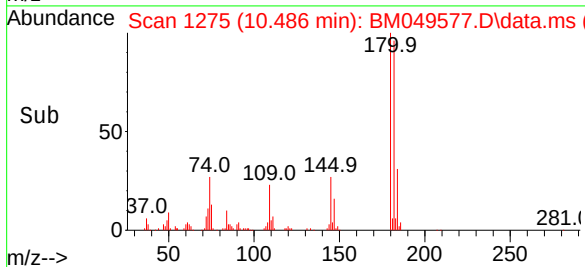
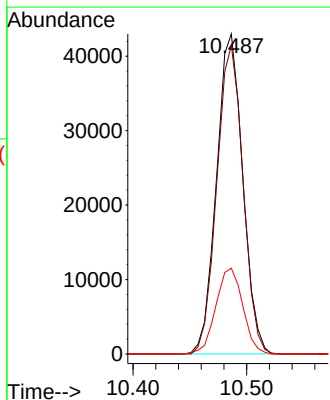
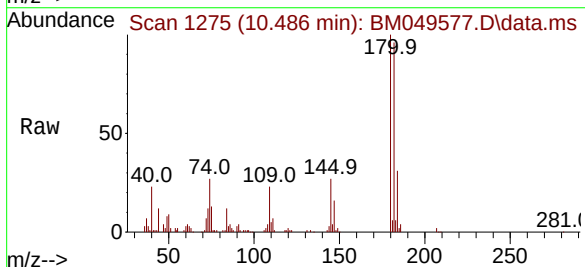
Tgt Ion:180 Resp: 69021

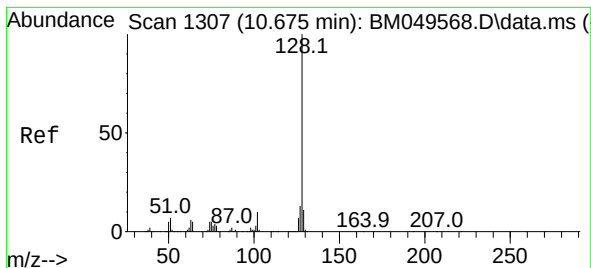
Ion Ratio Lower Upper

180 100

182 96.4 76.4 114.6

145 26.8 22.5 33.7





#31

Naphthalene

Concen: 5.342 ng

RT: 10.669 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

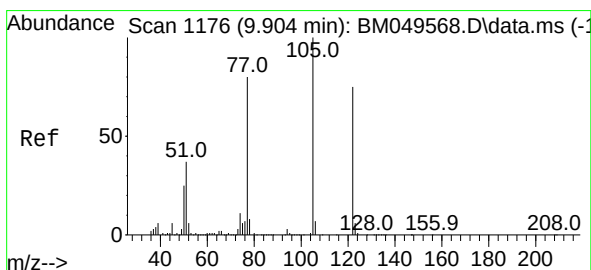
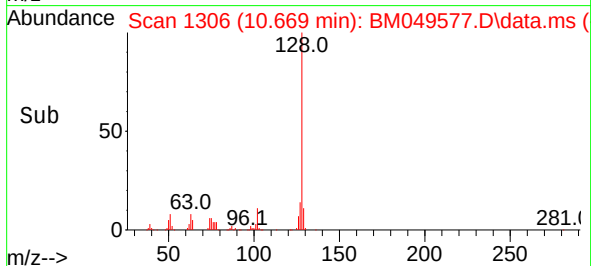
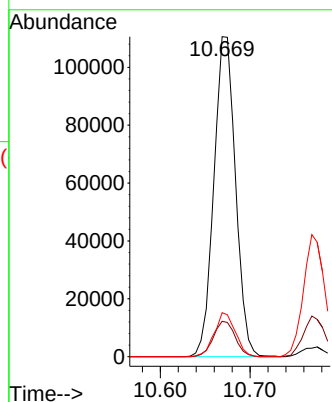
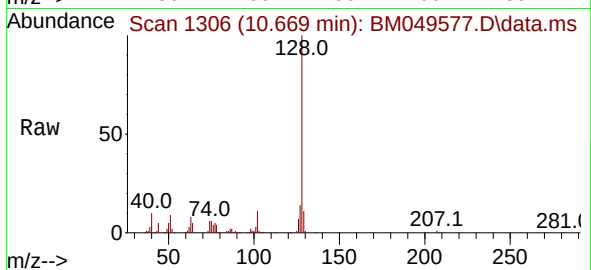
Tgt Ion:128 Resp: 185485

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.7 10.6 15.8



#32

Benzoic acid

Concen: 15.631 ng

RT: 9.792 min Scan# 1157

Delta R.T. -0.112 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

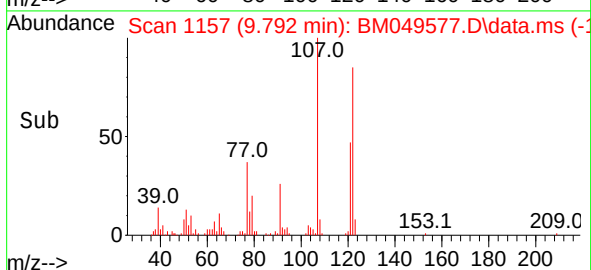
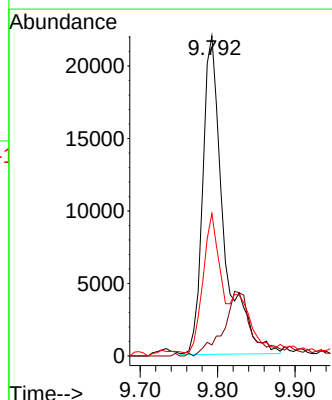
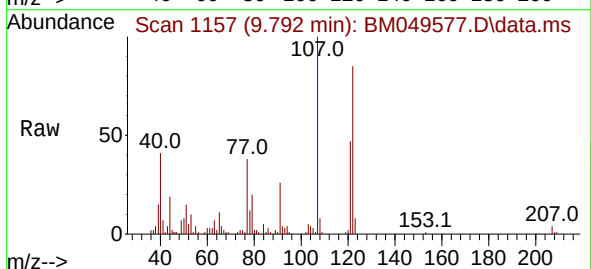
Tgt Ion:122 Resp: 41336

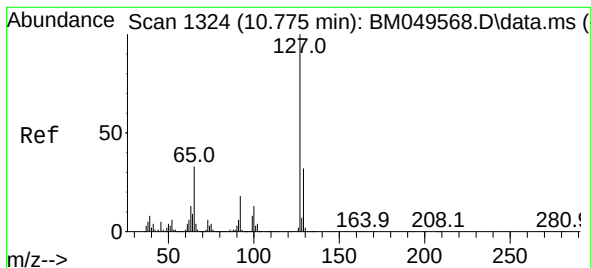
Ion Ratio Lower Upper

122 100

105 3.4 103.6 143.6#

77 44.5 82.4 122.4#





#33

4-Chloroaniline

Concen: 5.398 ng

RT: 10.769 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:127 Resp: 70158

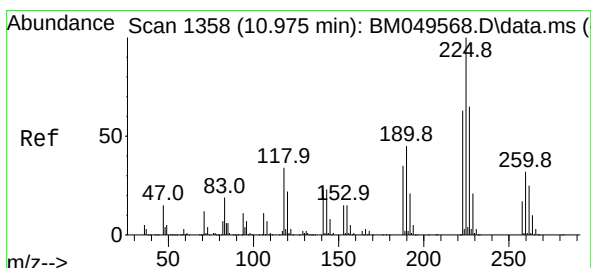
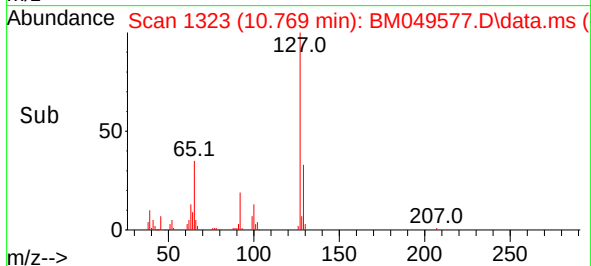
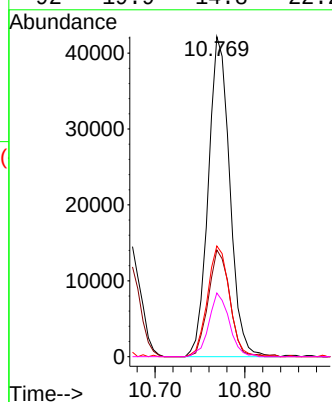
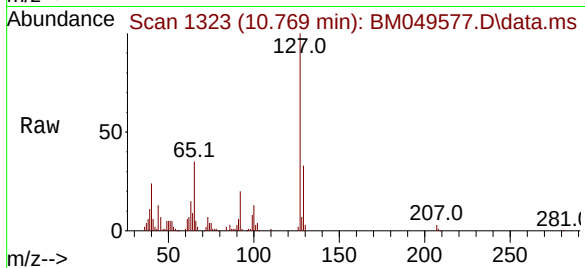
Ion Ratio Lower Upper

127 100

129 33.4 25.8 38.8

65 34.6 26.4 39.6

92 19.9 14.8 22.2



#34

Hexachlorobutadiene

Concen: 5.551 ng

RT: 10.969 min Scan# 1357

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

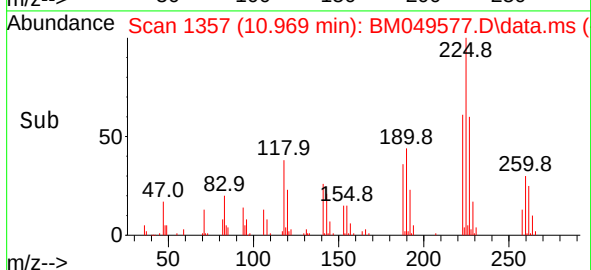
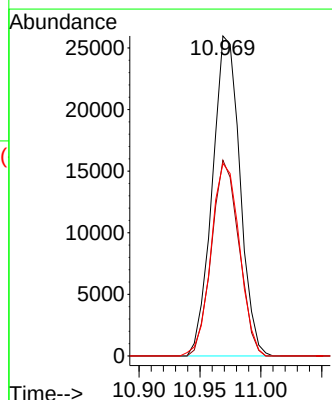
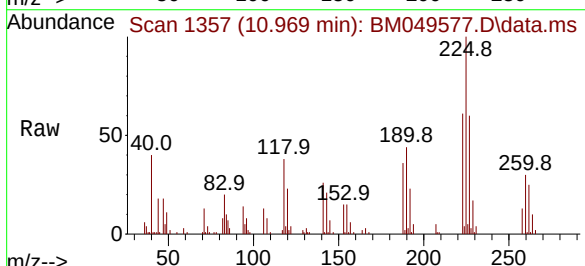
Tgt Ion:225 Resp: 40941

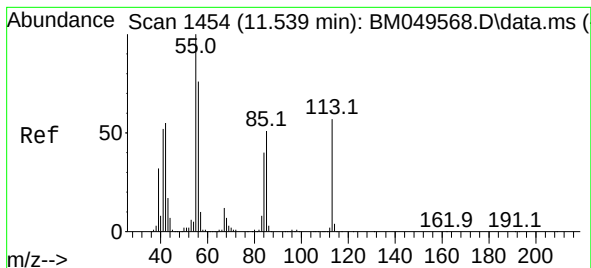
Ion Ratio Lower Upper

225 100

223 61.2 50.6 75.8

227 63.5 51.8 77.6





#35

Caprolactam

Concen: 3.929 ng

RT: 11.510 min Scan# 1449

Delta R.T. -0.029 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

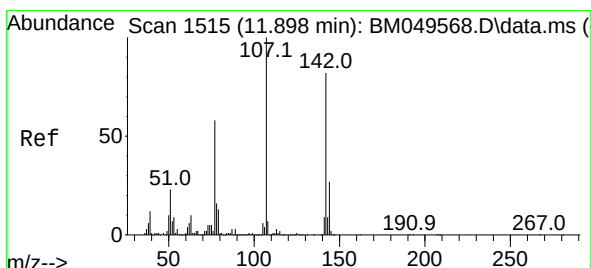
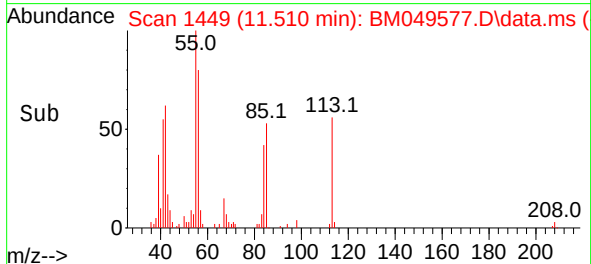
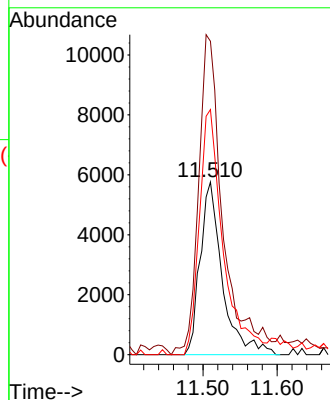
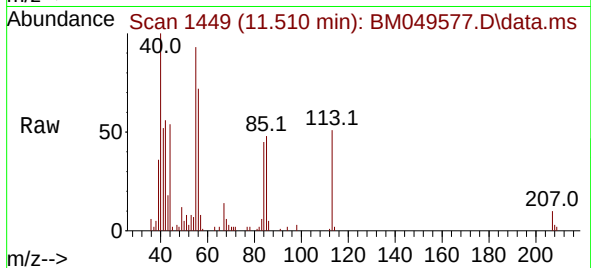
Tgt Ion:113 Resp: 12049

Ion Ratio Lower Upper

113 100

55 181.5 157.5 197.5

56 141.9 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 3.990 ng

RT: 11.892 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

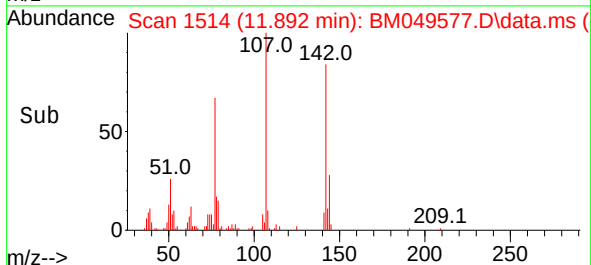
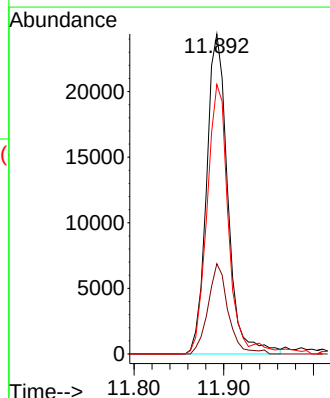
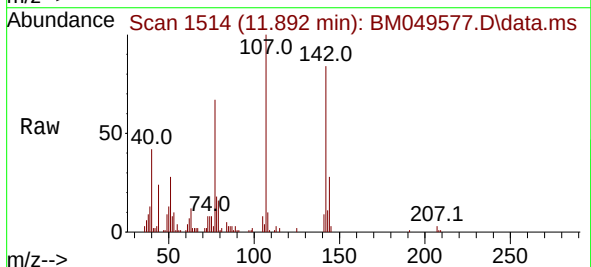
Tgt Ion:107 Resp: 40001

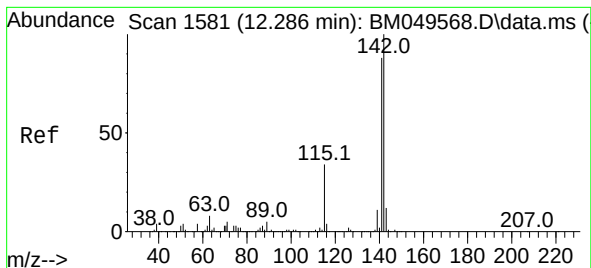
Ion Ratio Lower Upper

107 100

144 28.2 21.2 31.8

142 84.2 65.4 98.2

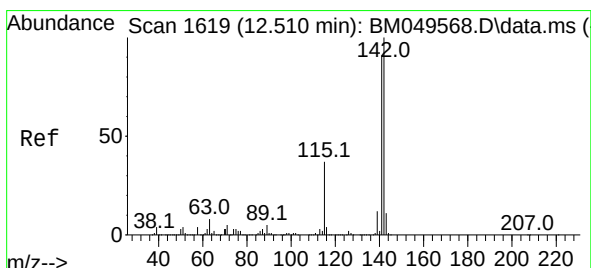
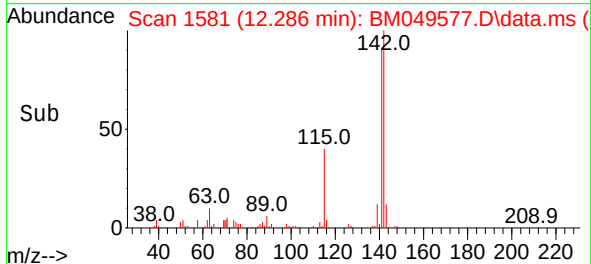
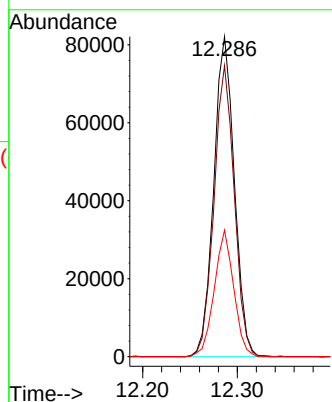
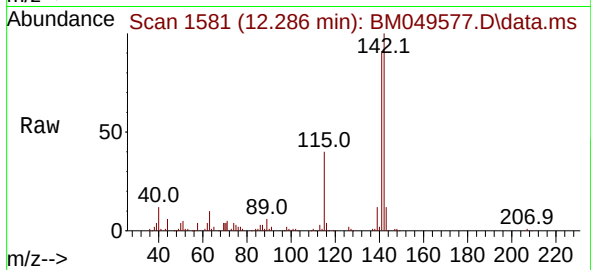




#37
2-Methylnaphthalene
Concen: 5.074 ng
RT: 12.286 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

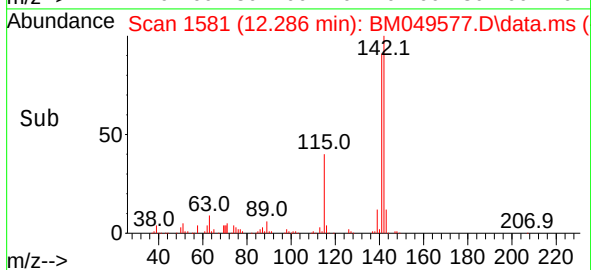
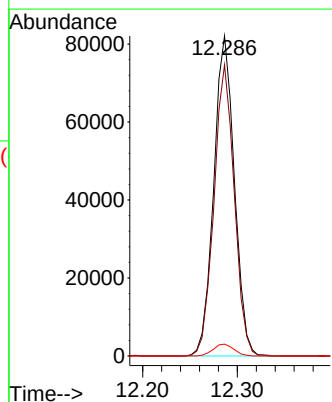
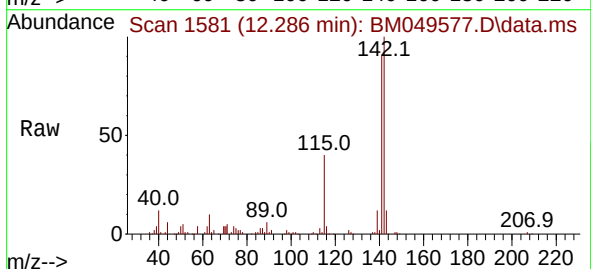
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

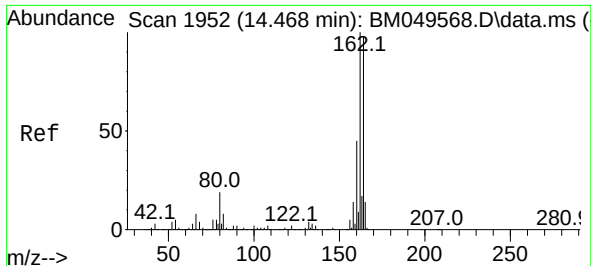
Tgt Ion:142 Resp: 124058
Ion Ratio Lower Upper
142 100
141 90.9 70.2 105.4
115 39.5 27.5 41.3



#38
1-Methylnaphthalene
Concen: 5.215 ng
RT: 12.286 min Scan# 1581
Delta R.T. -0.223 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:142 Resp: 124058
Ion Ratio Lower Upper
142 100
141 90.9 73.1 109.7
116 3.7 3.1 4.7

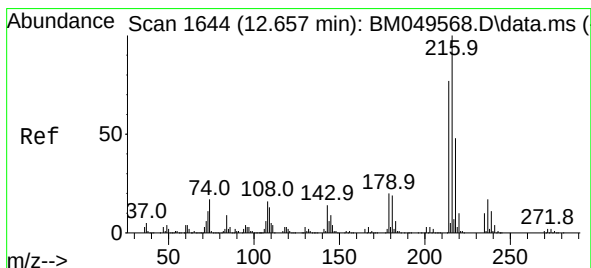
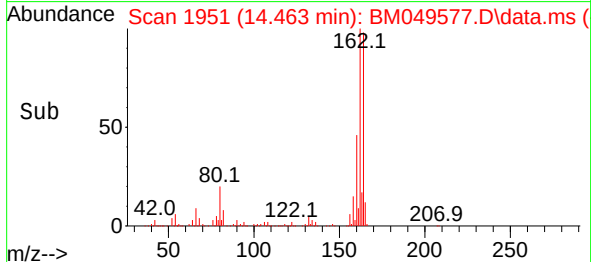
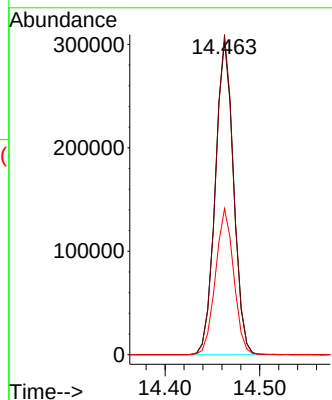
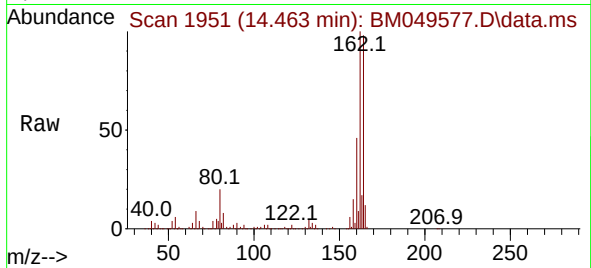




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

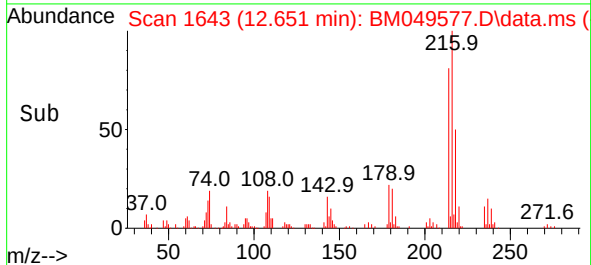
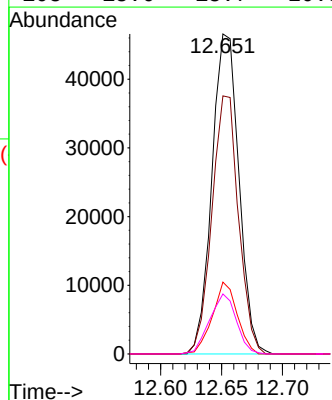
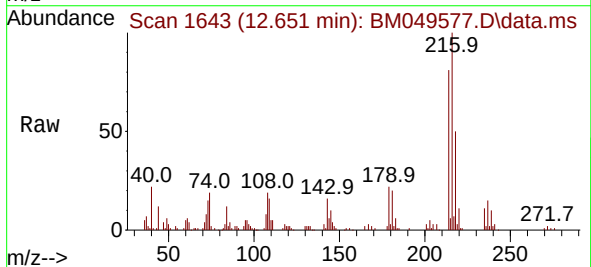
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

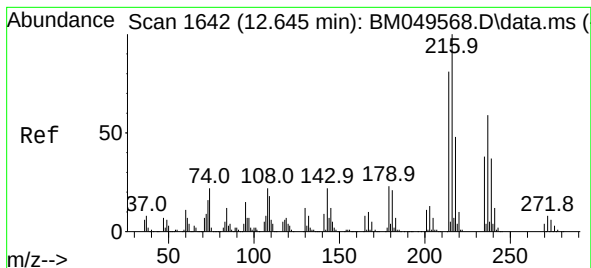
Tgt Ion:164 Resp: 407605
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.0
160 46.6 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.348 ng
RT: 12.651 min Scan# 1643
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

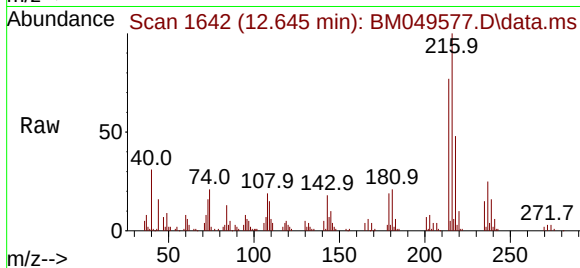
Tgt Ion:216 Resp: 71672
Ion Ratio Lower Upper
216 100
214 79.4 62.4 93.6
179 20.7 16.3 24.5
108 18.6 13.7 20.5



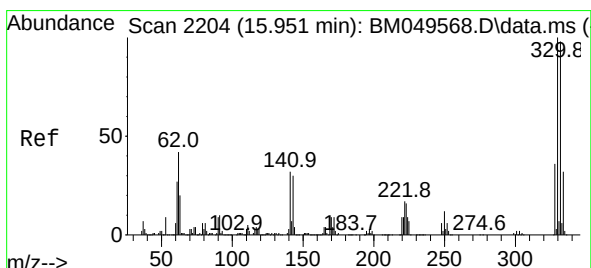
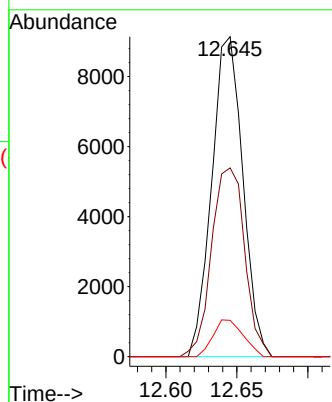
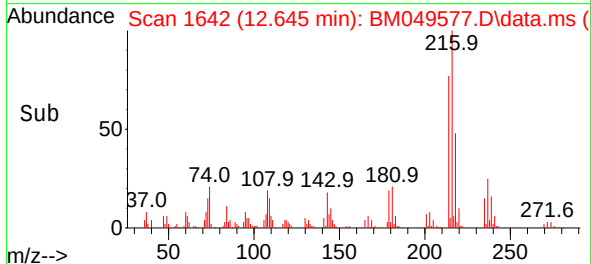


#41
Hexachlorocyclopentadiene
Concen: 4.063 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

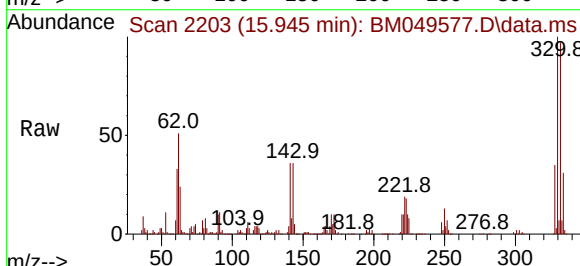
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



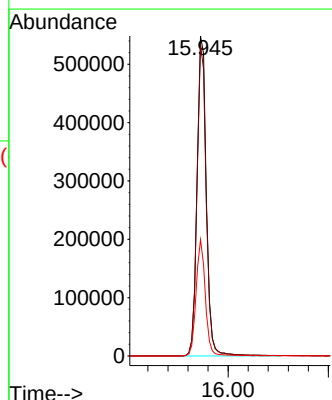
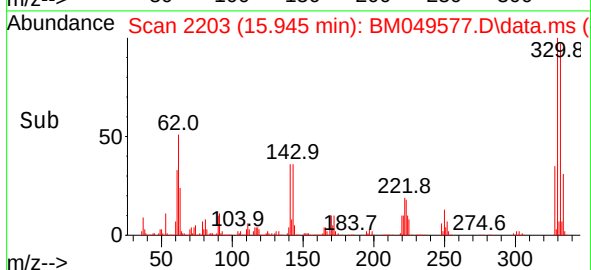
Tgt Ion:237 Resp: 13899
Ion Ratio Lower Upper
237 100
235 59.0 43.8 83.8
272 11.4 0.0 33.5

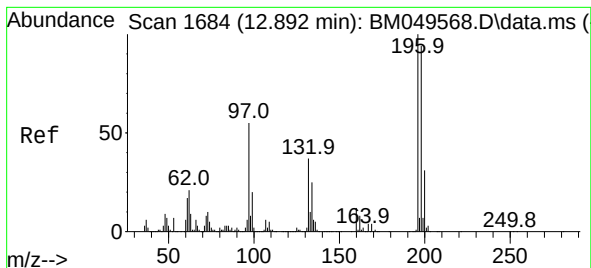


#42
2,4,6-Tribromophenol
Concen: 146.495 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



Tgt Ion:330 Resp: 707537
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 36.3 28.2 42.2





#43

2,4,6-Trichlorophenol

Concen: 3.760 ng

RT: 12.892 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

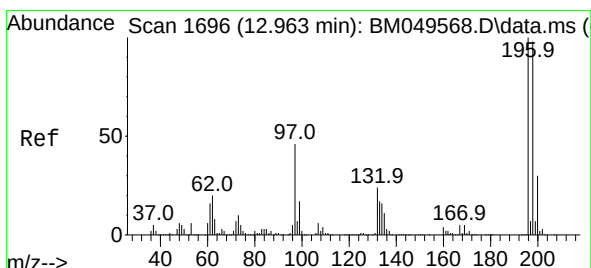
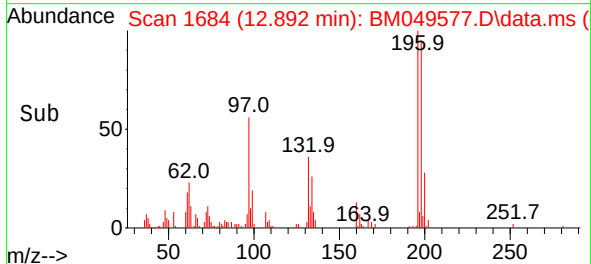
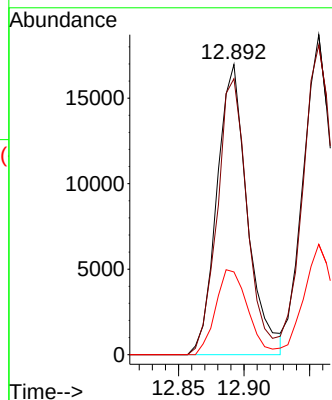
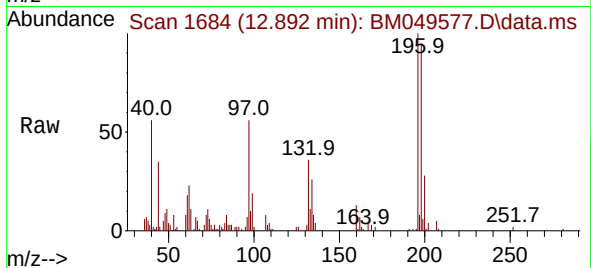
Tgt Ion:196 Resp: 27500

Ion Ratio Lower Upper

196 100

198 95.1 75.4 113.0

200 28.5 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 3.669 ng

RT: 12.957 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion:196 Resp: 29489

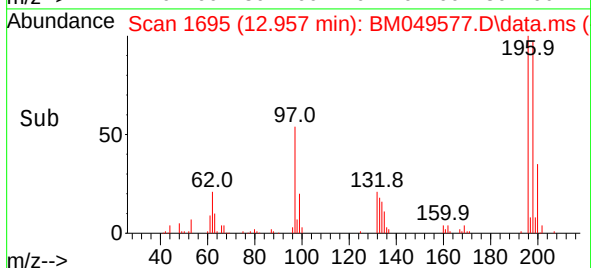
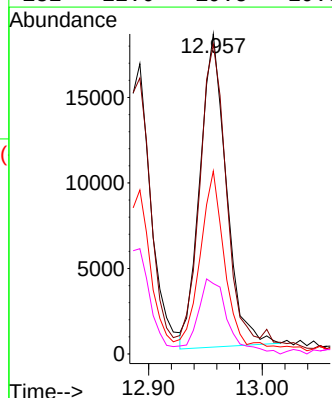
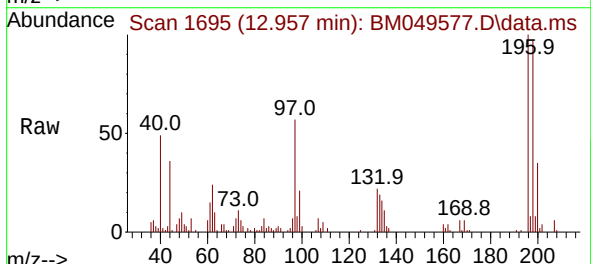
Ion Ratio Lower Upper

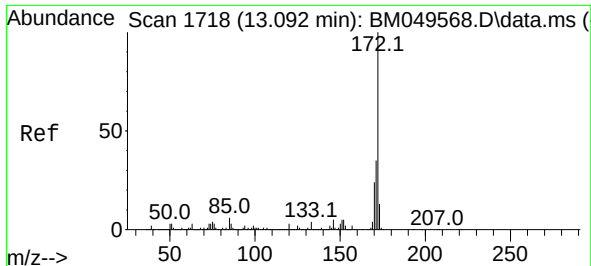
196 100

198 96.8 78.4 117.6

97 57.1 37.4 56.0#

132 22.0 19.5 29.3





#45

2-Fluorobiphenyl

Concen: 110.343 ng

RT: 13.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

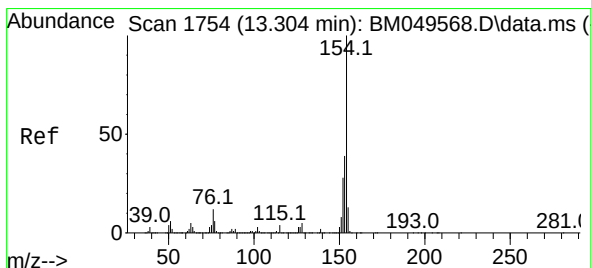
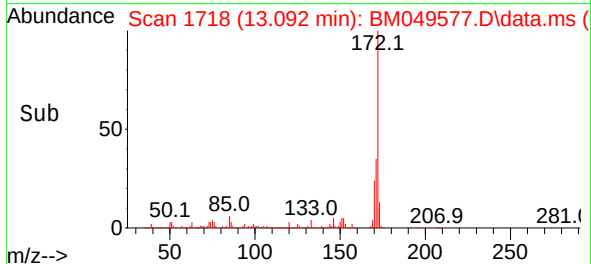
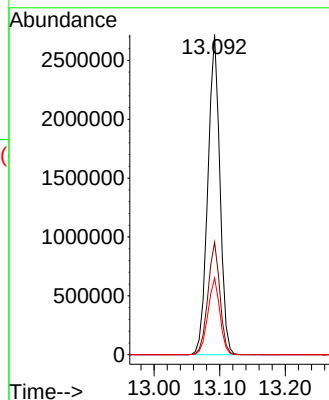
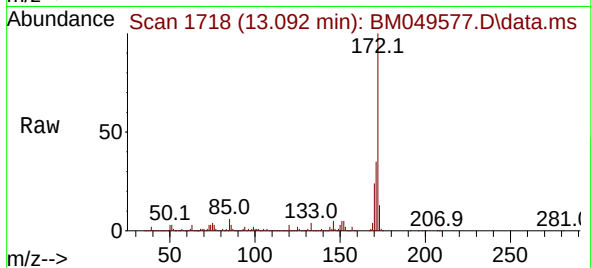
Tgt Ion:172 Resp: 3471878

Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 24.0 19.0 28.4



#46

1,1'-Biphenyl

Concen: 5.670 ng

RT: 13.298 min Scan# 1753

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

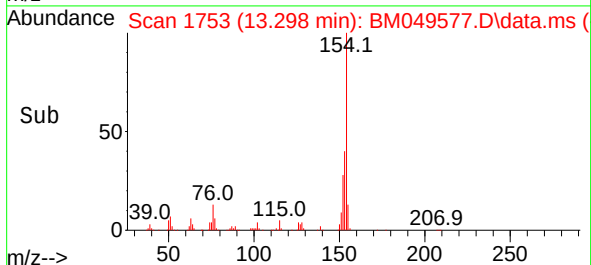
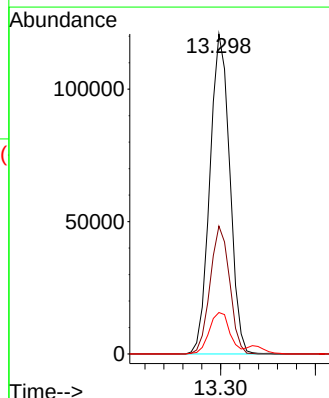
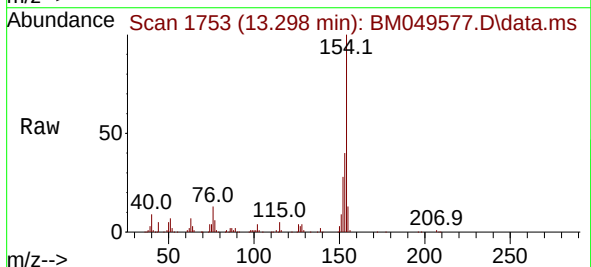
Tgt Ion:154 Resp: 176301

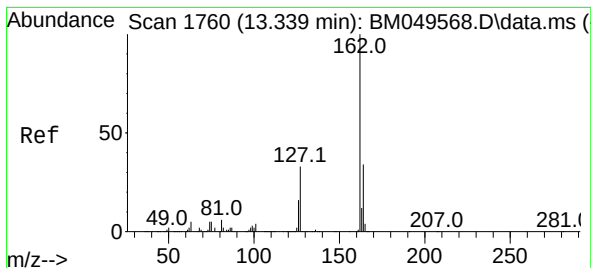
Ion Ratio Lower Upper

154 100

153 40.0 19.5 59.5

76 13.0 0.0 32.1





#47

2-Chloronaphthalene

Concen: 5.459 ng

RT: 13.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

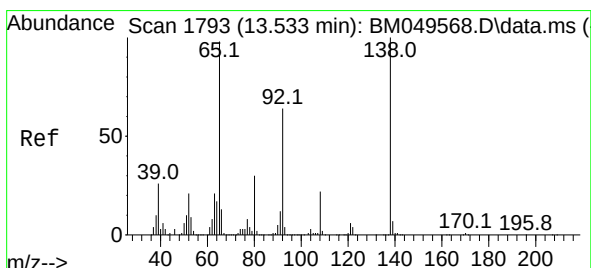
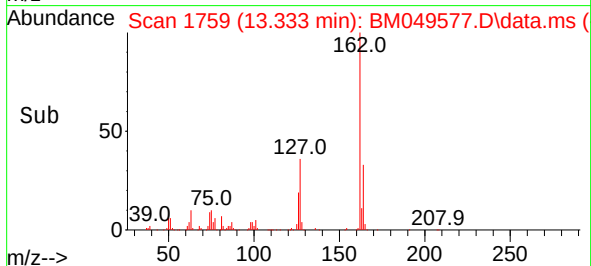
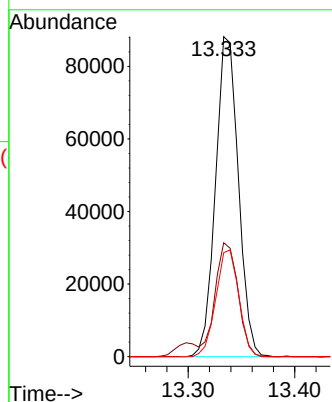
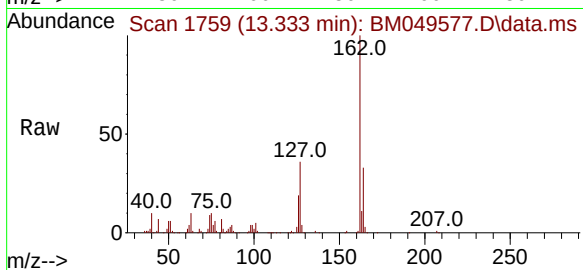
Tgt Ion:162 Resp: 131343

Ion Ratio Lower Upper

162 100

127 35.6 27.9 41.9

164 32.5 26.8 40.2



#48

2-Nitroaniline

Concen: 4.126 ng

RT: 13.527 min Scan# 1792

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

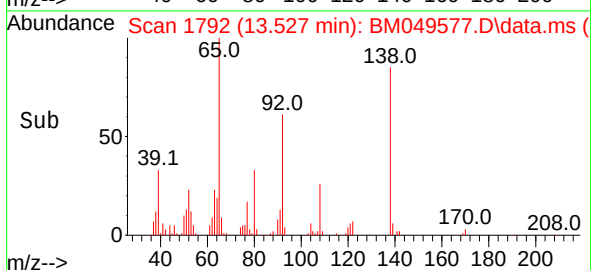
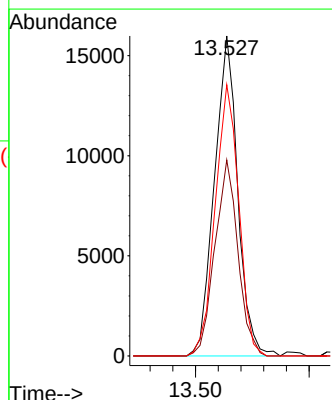
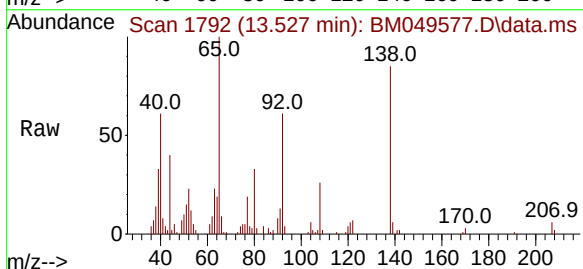
Tgt Ion: 65 Resp: 22774

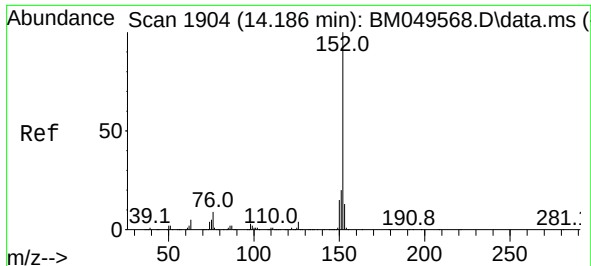
Ion Ratio Lower Upper

65 100

92 61.2 52.0 78.0

138 84.8 81.6 122.4





#49

Acenaphthylene

Concen: 5.728 ng

RT: 14.180 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

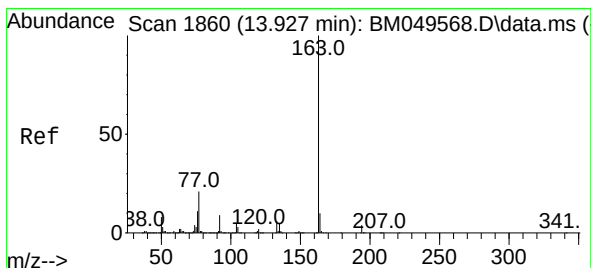
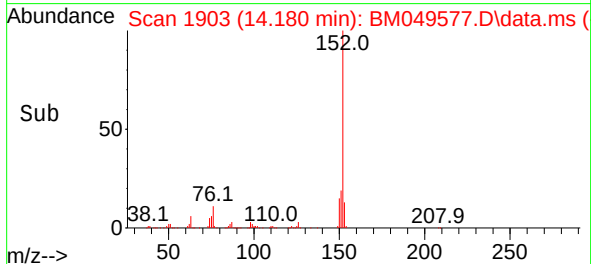
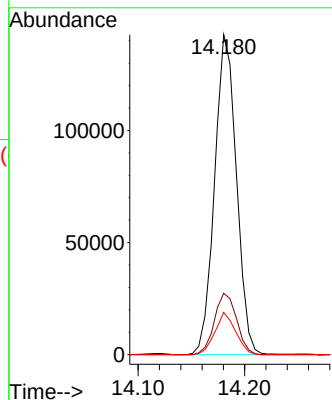
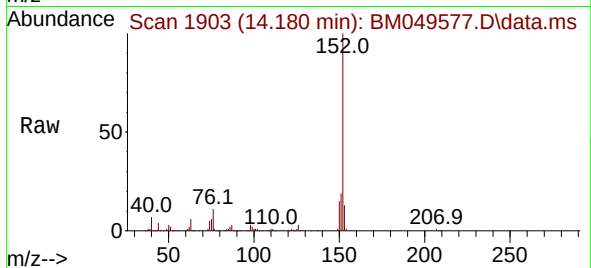
Tgt Ion:152 Resp: 203206

Ion Ratio Lower Upper

152 100

151 19.2 16.2 24.4

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 5.011 ng

RT: 13.922 min Scan# 1859

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

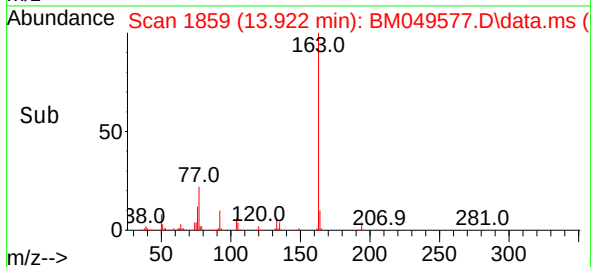
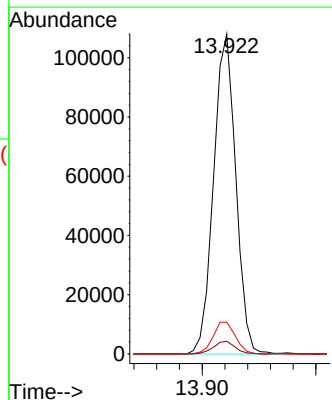
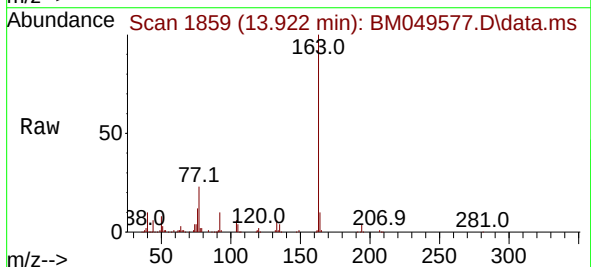
Tgt Ion:163 Resp: 146685

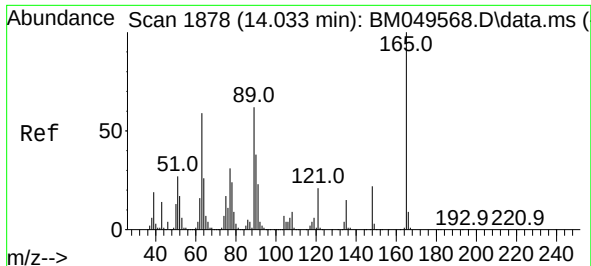
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.9 8.1 12.1

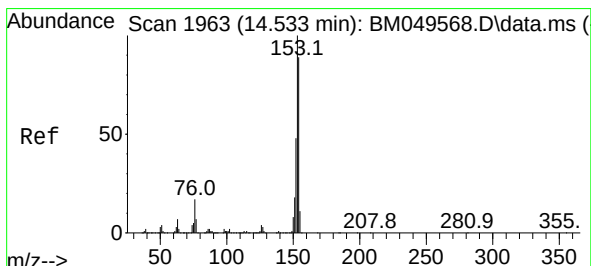
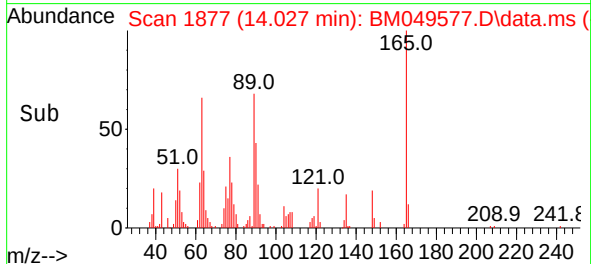
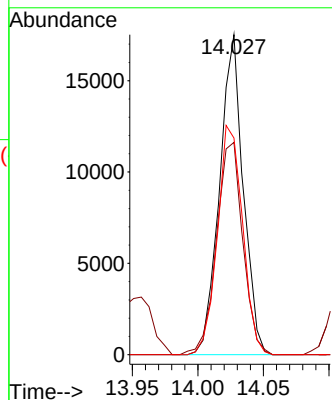
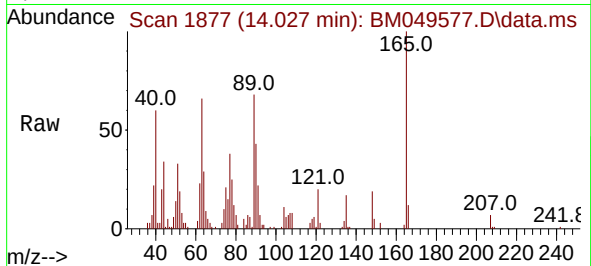




#51
2,6-Dinitrotoluene
Concen: 4.334 ng
RT: 14.027 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

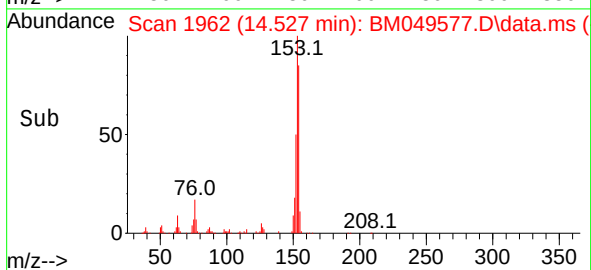
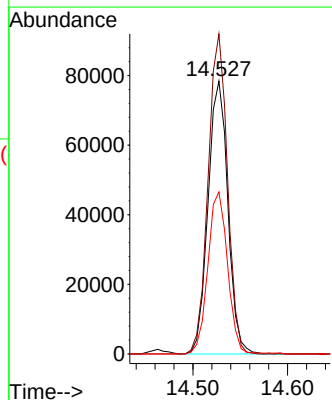
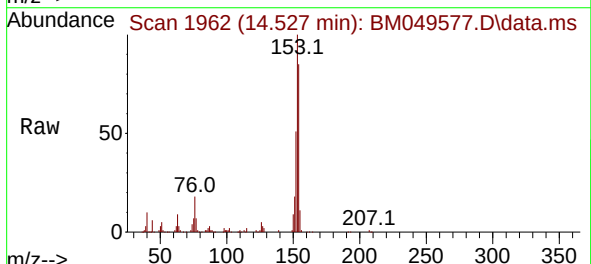
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

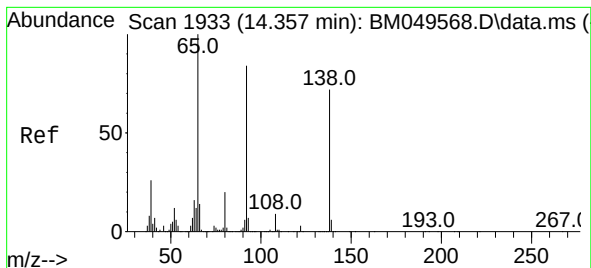
Tgt Ion:165 Resp: 21950
Ion Ratio Lower Upper
165 100
63 66.3 47.8 71.6
89 67.7 49.2 73.8



#52
Acenaphthene
Concen: 4.852 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:154 Resp: 114251
Ion Ratio Lower Upper
154 100
153 117.3 90.0 135.0
152 59.4 43.0 64.4

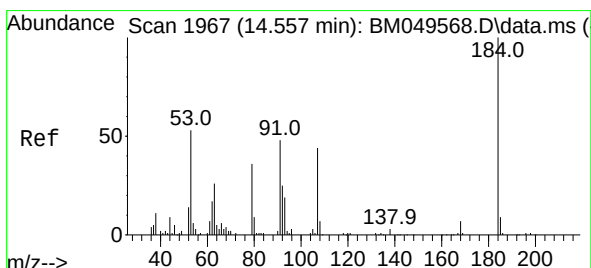
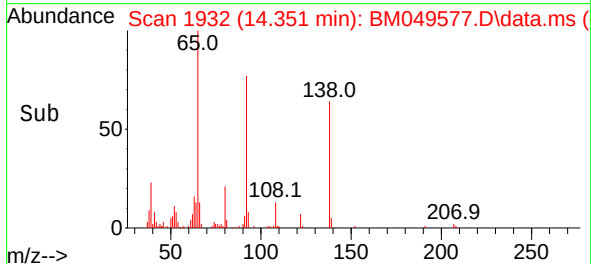
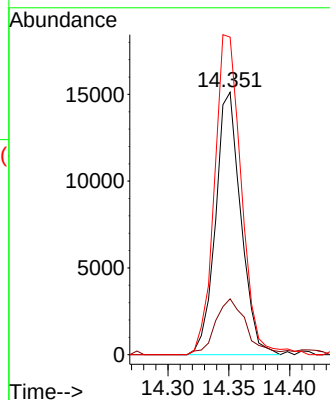
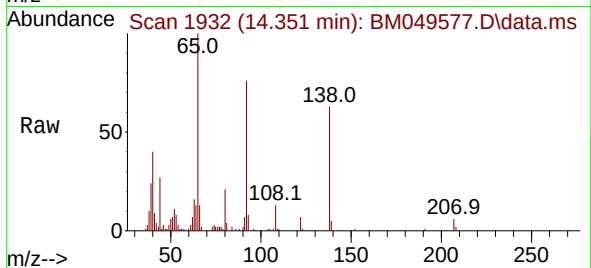




#53
3-Nitroaniline
Concen: 4.239 ng
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

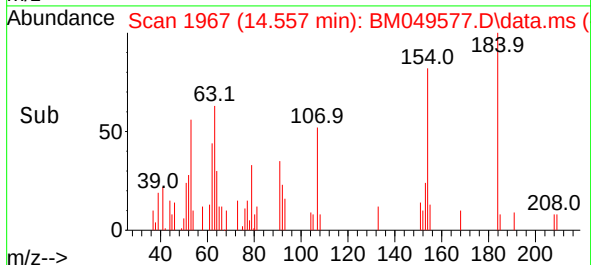
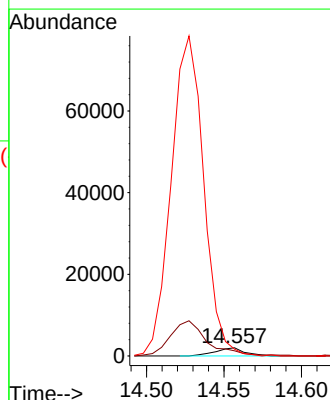
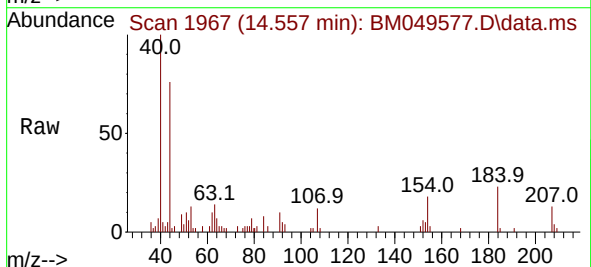
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

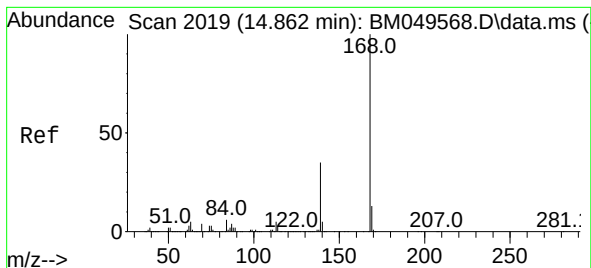
Tgt Ion:138 Resp: 21861
Ion Ratio Lower Upper
138 100
108 21.3 10.3 15.5#
92 121.1 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 5.491 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:184 Resp: 2597
Ion Ratio Lower Upper
184 100
63 62.5 60.2 90.4
154 81.9 78.2 117.4





#55

Dibenzofuran

Concen: 5.163 ng

RT: 14.863 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

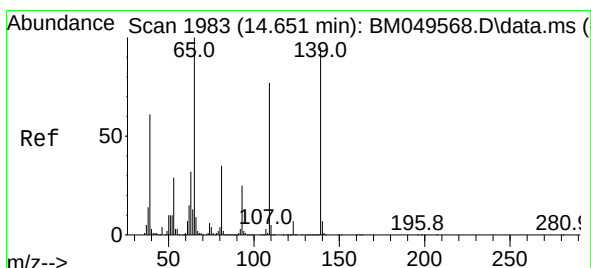
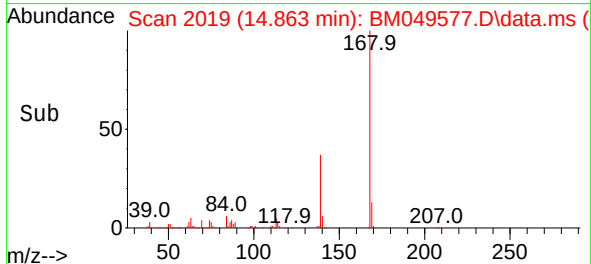
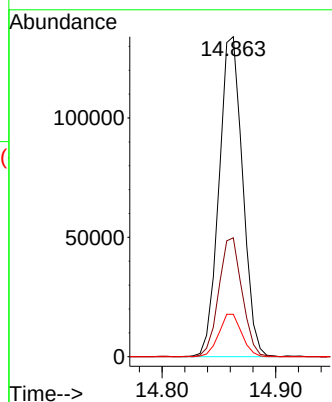
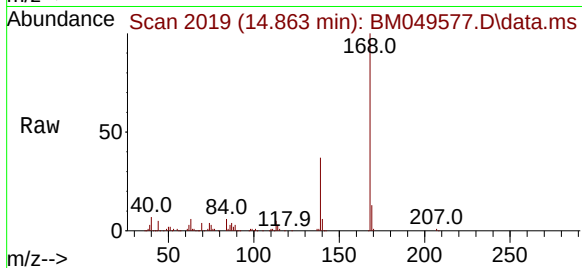
Tgt Ion:168 Resp: 193567

Ion Ratio Lower Upper

168 100

139 37.1 28.4 42.6

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 2.727 ng

RT: 14.645 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

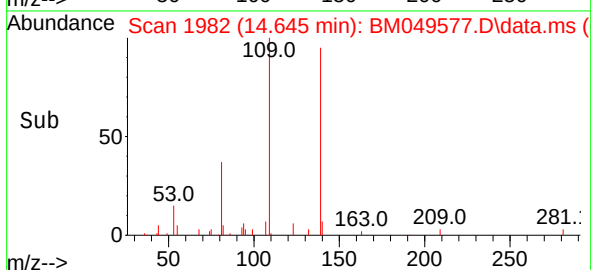
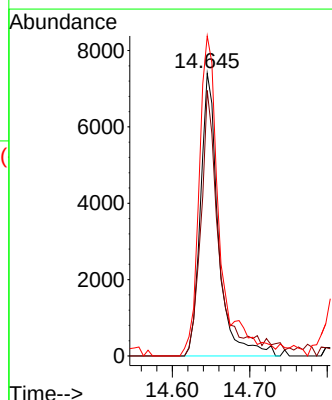
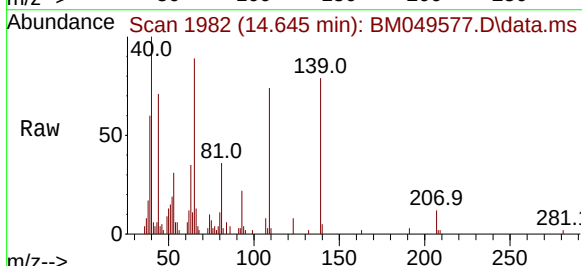
Tgt Ion:139 Resp: 11855

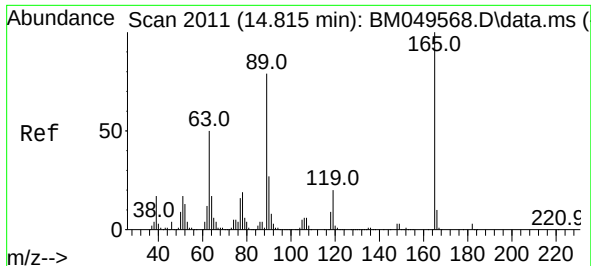
Ion Ratio Lower Upper

139 100

109 93.9 61.4 101.4

65 113.2 85.6 125.6

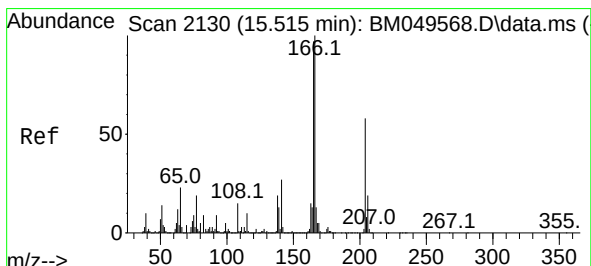
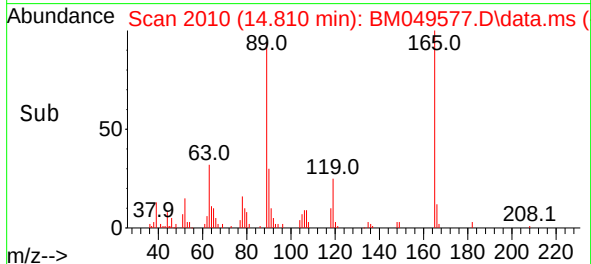
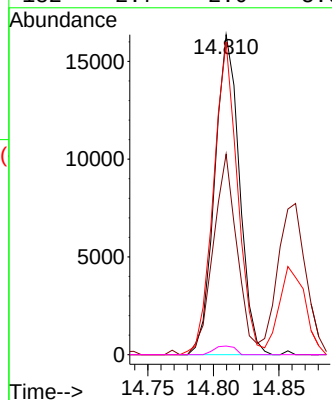
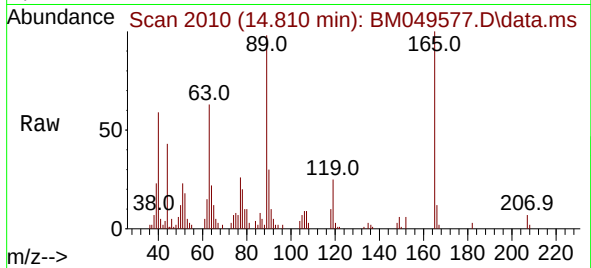




#57
2,4-Dinitrotoluene
Concen: 6.034 ng
RT: 14.810 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

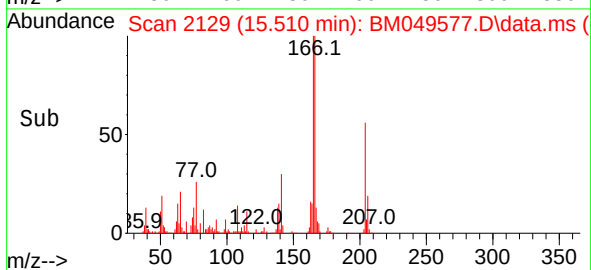
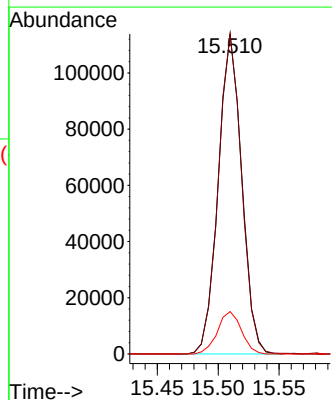
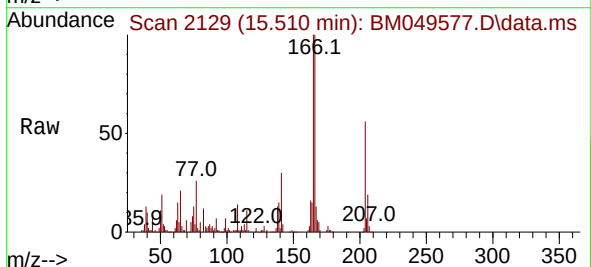
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

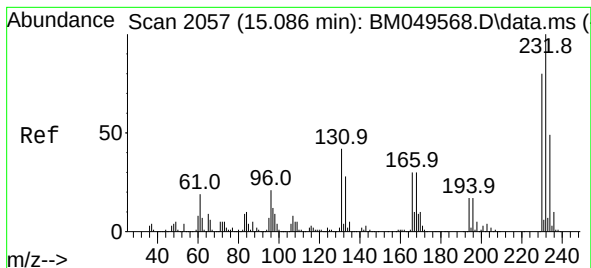
Tgt Ion:165 Resp: 21470
Ion Ratio Lower Upper
165 100
63 62.6 39.8 59.6#
89 97.7 63.5 95.3#
182 2.7 2.0 3.0



#58
Fluorene
Concen: 4.750 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:166 Resp: 152350
Ion Ratio Lower Upper
166 100
165 99.9 77.7 116.5
167 13.2 10.7 16.1

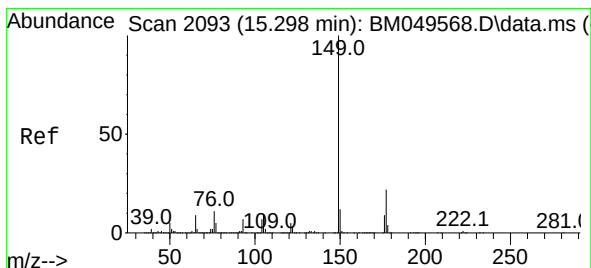
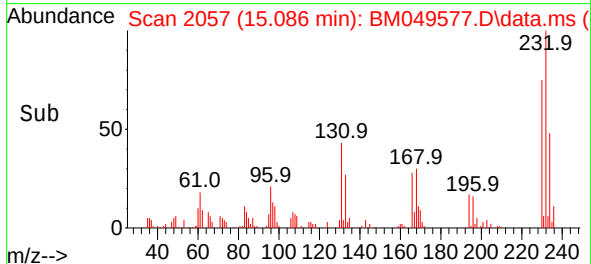
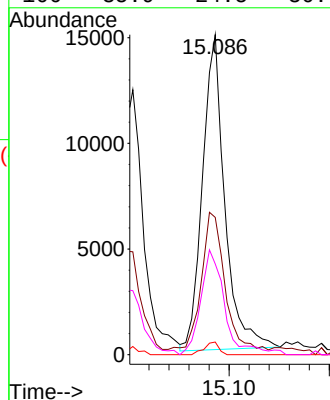
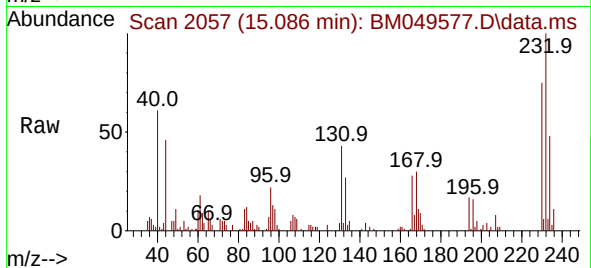




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.400 ng
RT: 15.086 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

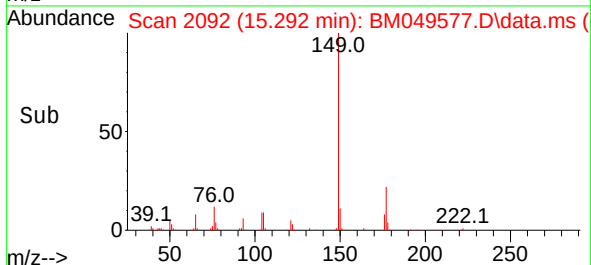
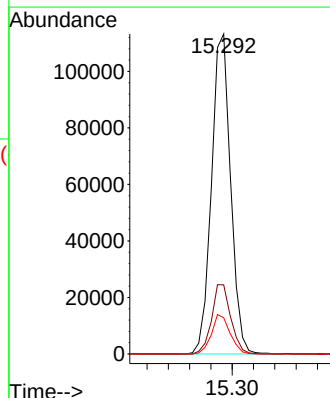
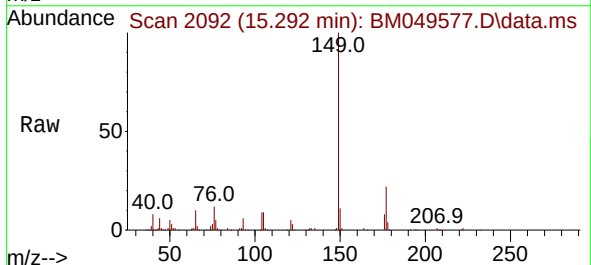
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

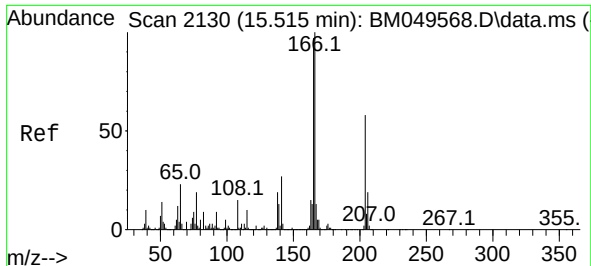
Tgt Ion:232	Resp:	23086
Ion Ratio	Lower	Upper
232	100	
131	46.6	34.5 51.7
130	2.6	1.9 2.9
166	35.9	24.5 36.7



#60
Diethylphthalate
Concen: 4.788 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:149	Resp:	140842
Ion Ratio	Lower	Upper
149	100	
177	21.6	18.0 27.0
150	11.3	9.7 14.5

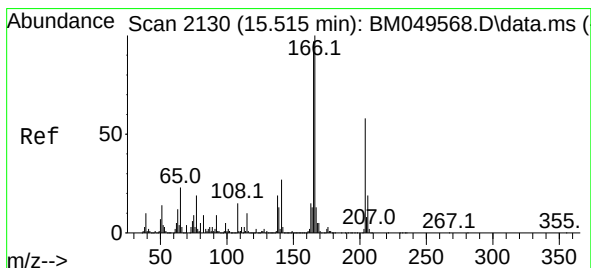
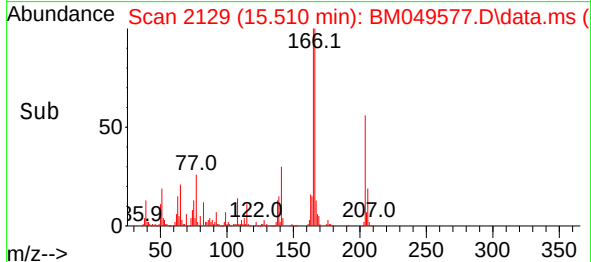
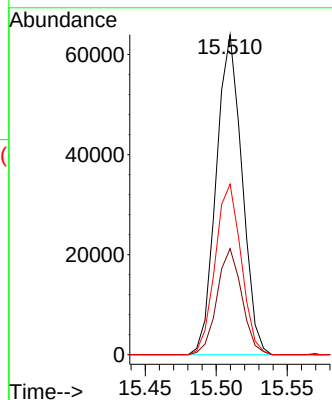
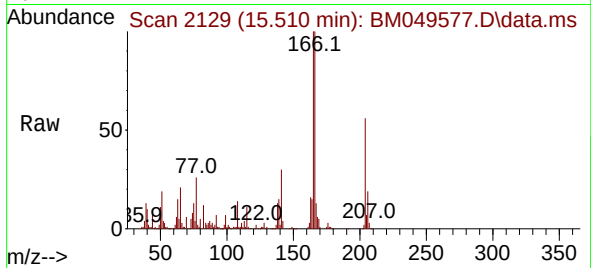




#61
4-Chlorophenyl-phenylether
Concen: 4.732 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

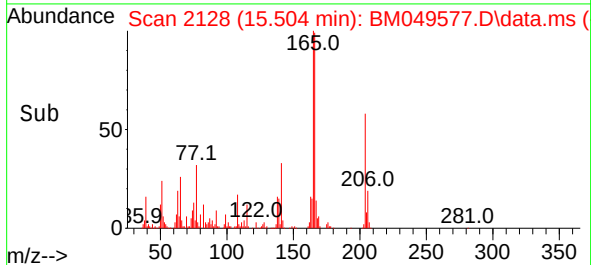
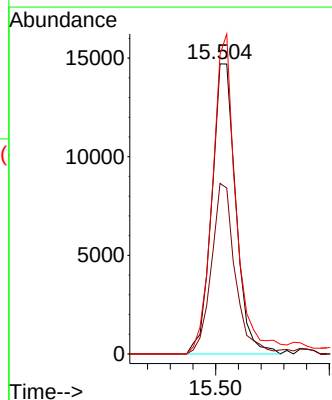
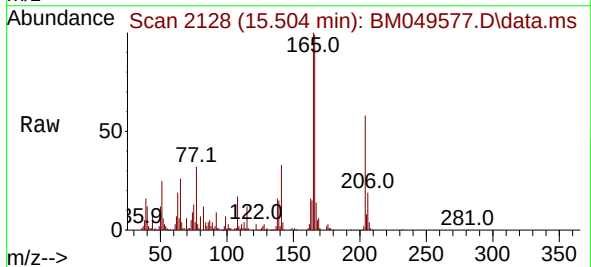
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

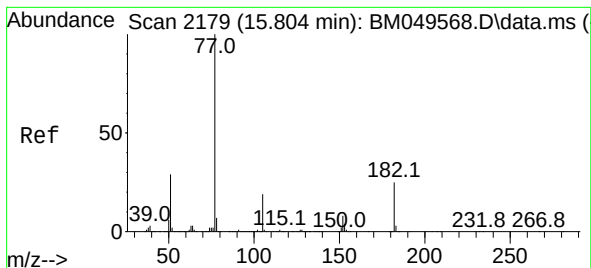
Tgt Ion:204 Resp: 80780
Ion Ratio Lower Upper
204 100
206 33.2 26.0 39.0
141 53.3 37.1 55.7



#62
4-Nitroaniline
Concen: 3.738 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.011 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:138 Resp: 21591
Ion Ratio Lower Upper
138 100
92 58.8 29.3 69.3
108 103.2 60.1 100.1#





#63

Azobenzene

Concen: 5.450 ng

RT: 15.804 min Scan# 2179

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion: 77 Resp: 167359

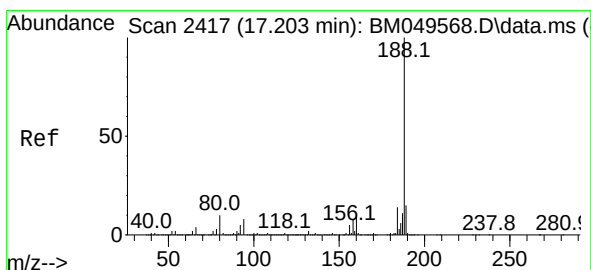
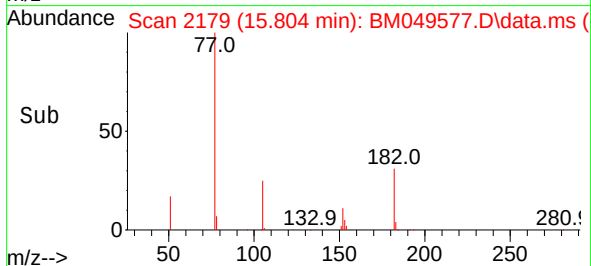
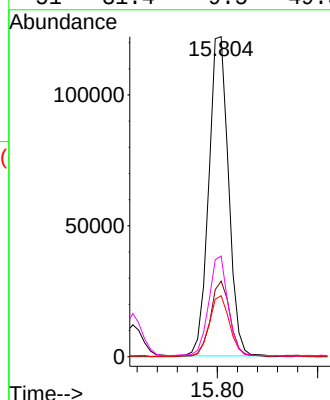
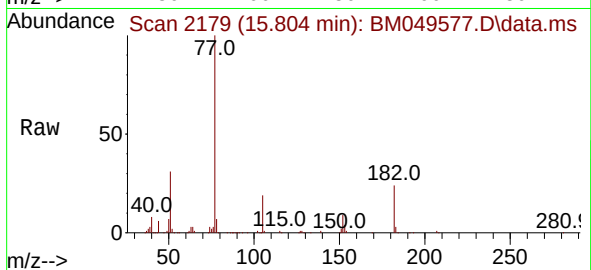
Ion Ratio Lower Upper

77 100

182 23.6 4.7 44.7

105 19.0 0.0 39.3

51 31.4 9.5 49.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

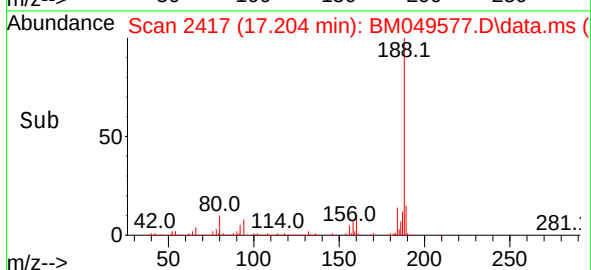
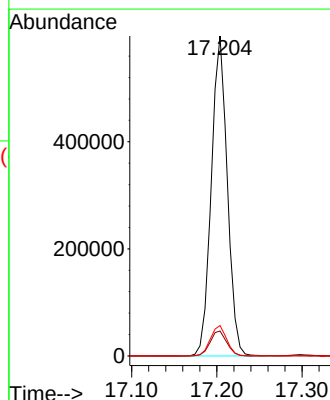
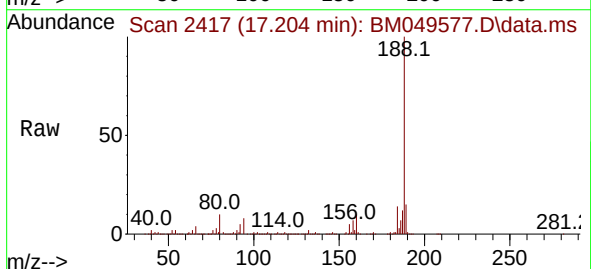
Tgt Ion: 188 Resp: 778537

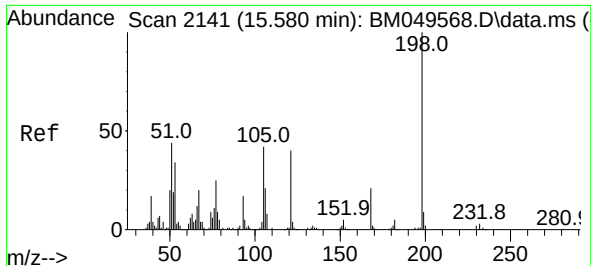
Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

80 9.5 7.7 11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 6.778 ng

RT: 15.574 min Scan# 2141

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

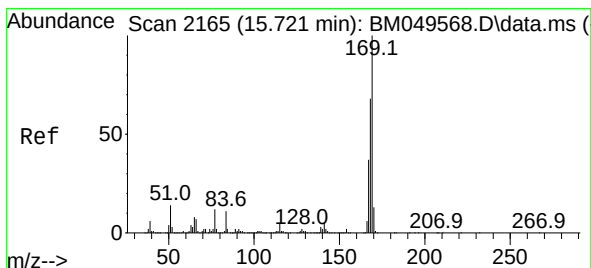
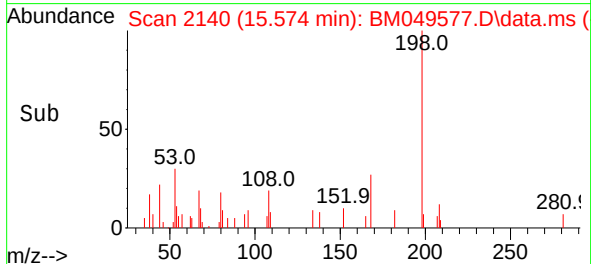
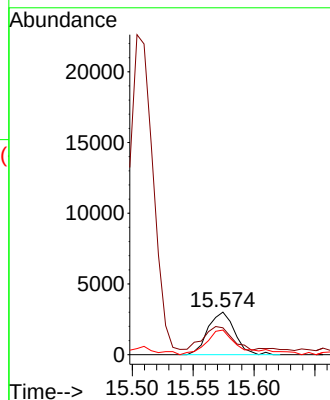
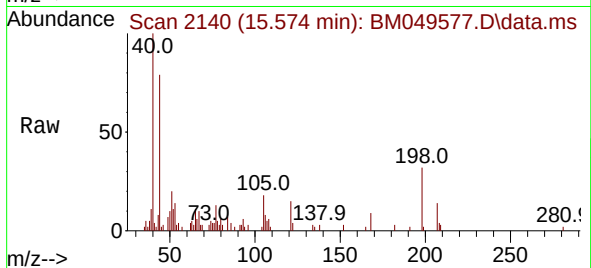
Tgt Ion:198 Resp: 4564

Ion Ratio Lower Upper

198 100

51 63.1 26.9 66.9

105 57.9 22.8 62.8



#66

n-Nitrosodiphenylamine

Concen: 5.001 ng

RT: 15.716 min Scan# 2164

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

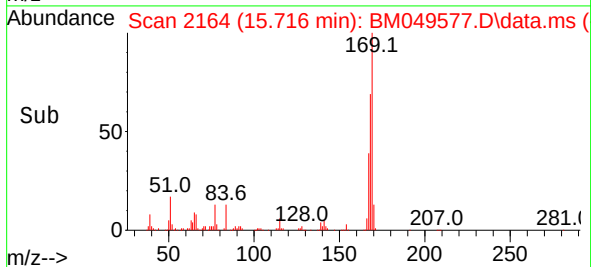
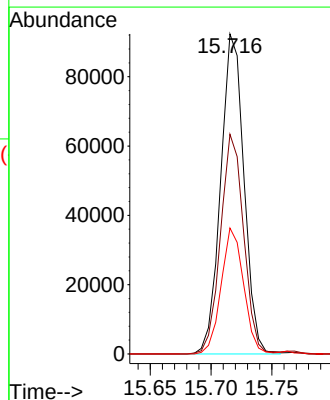
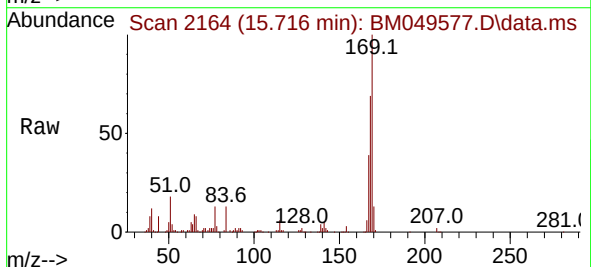
Tgt Ion:169 Resp: 122779

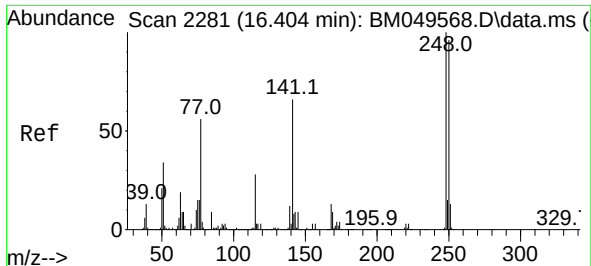
Ion Ratio Lower Upper

169 100

168 68.6 54.2 81.4

167 39.3 29.5 44.3

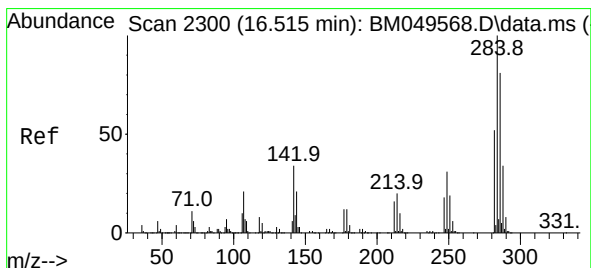
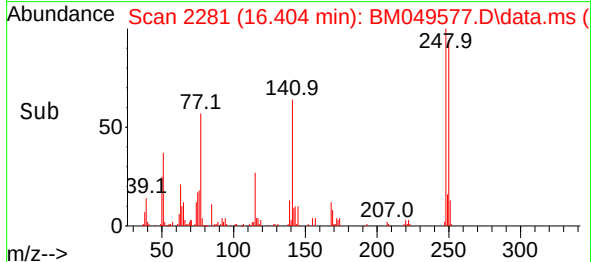
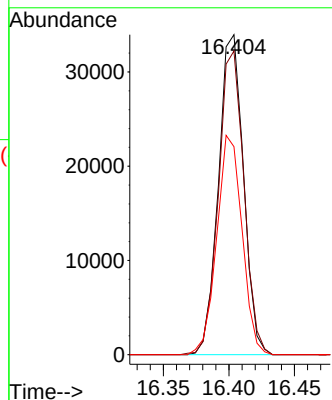
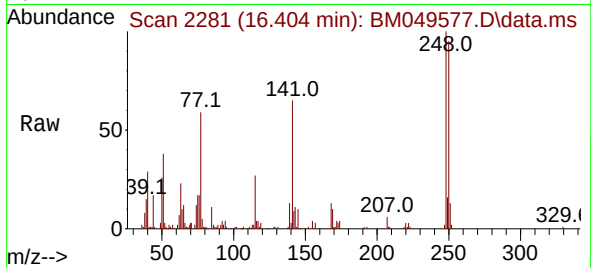




#67
4-Bromophenyl-phenylether
Concen: 4.982 ng
RT: 16.404 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

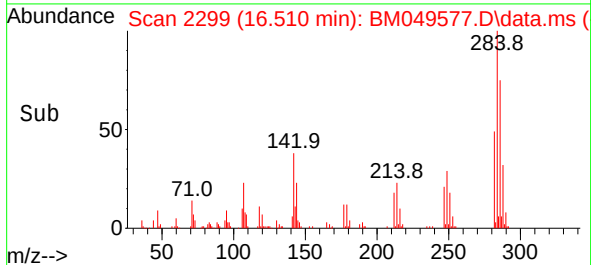
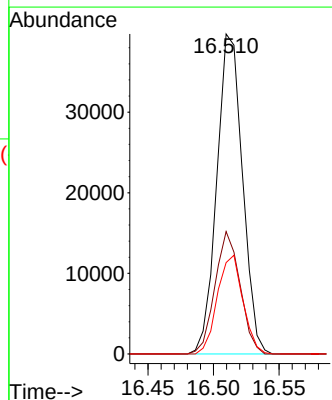
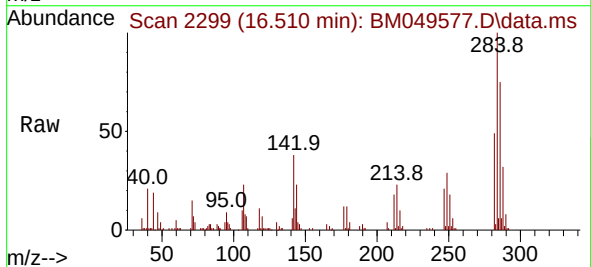
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

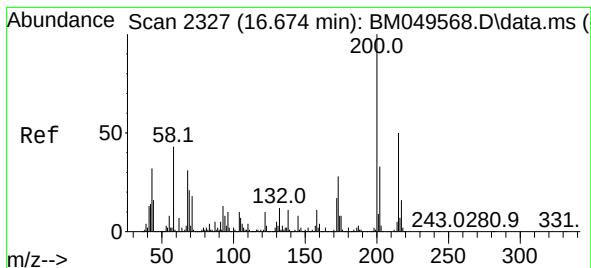
Tgt Ion:248 Resp: 45060
Ion Ratio Lower Upper
248 100
250 94.9 77.0 115.4
141 65.0 53.0 79.4



#68
Hexachlorobenzene
Concen: 5.206 ng
RT: 16.510 min Scan# 2299
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:284 Resp: 54048
Ion Ratio Lower Upper
284 100
142 38.3 27.1 40.7
249 28.5 24.6 36.8





#69

Atrazine

Concen: 4.701 ng

RT: 16.668 min Scan# 2326

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

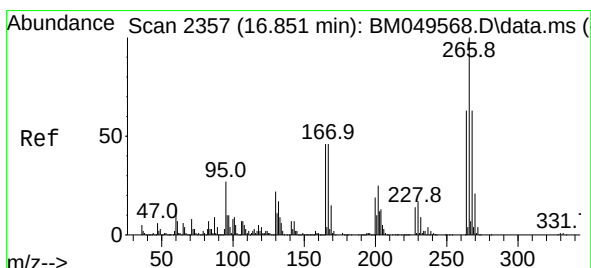
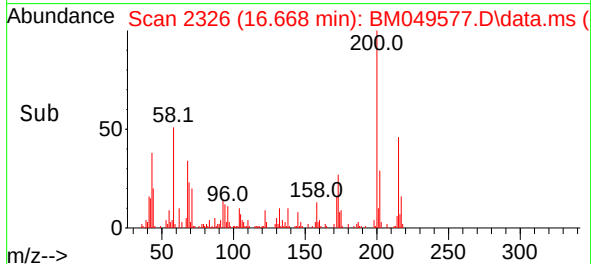
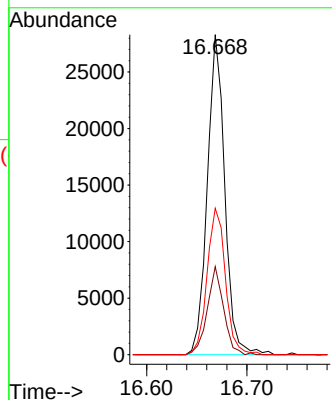
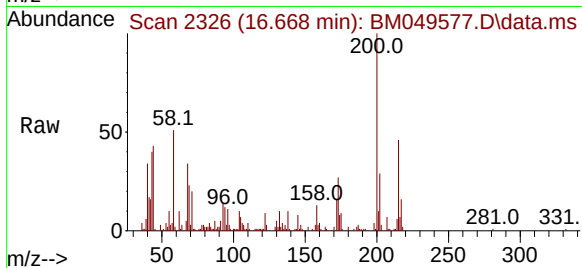
Tgt Ion:200 Resp: 34310

Ion Ratio Lower Upper

200 100

173 27.5 7.6 47.6

215 45.8 30.2 70.2



#70

Pentachlorophenol

Concen: 9.402 ng

RT: 16.851 min Scan# 2357

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

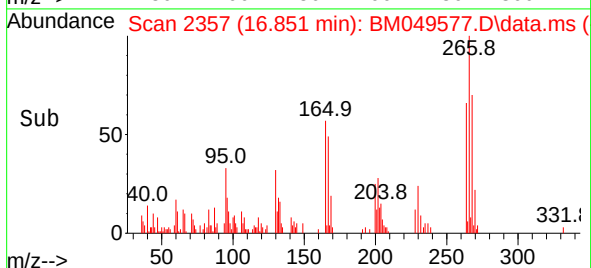
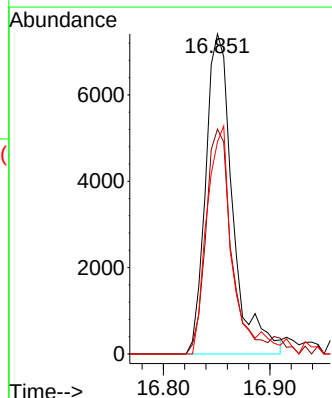
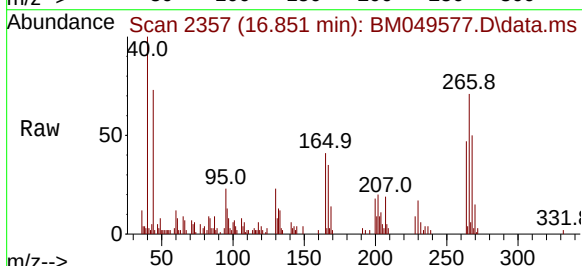
Tgt Ion:266 Resp: 13097

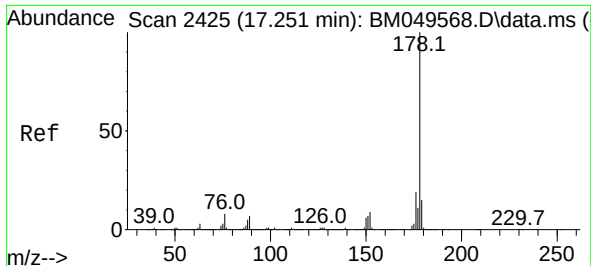
Ion Ratio Lower Upper

266 100

268 70.3 50.8 76.2

264 72.6 50.0 75.0

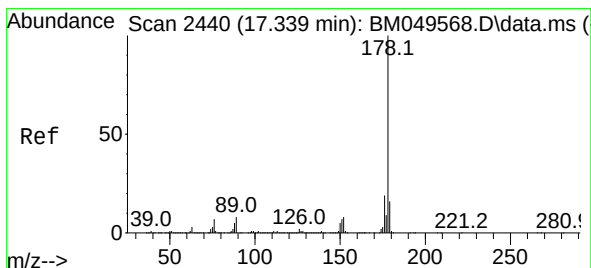
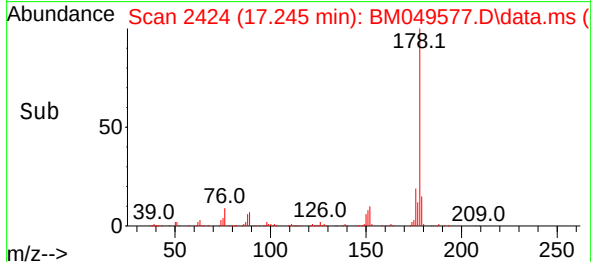
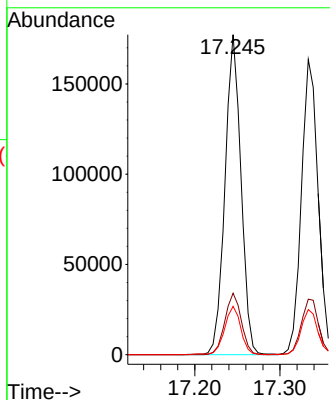
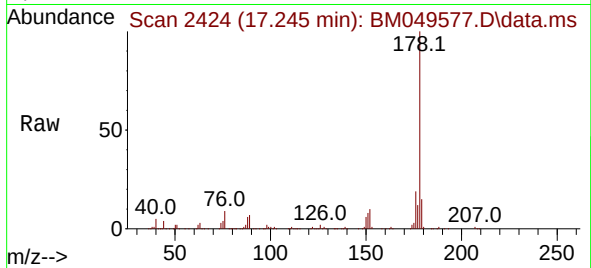




#71
Phenanthrene
Concen: 5.210 ng
RT: 17.245 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

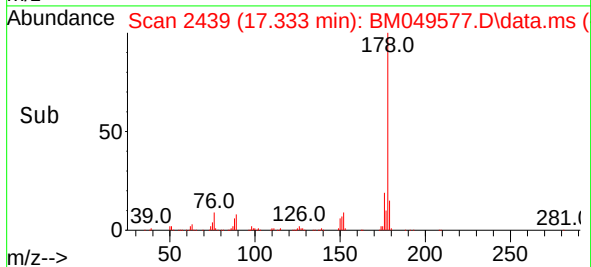
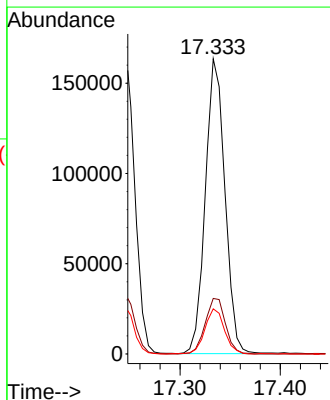
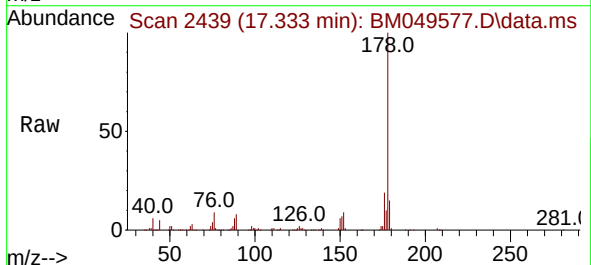
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2025

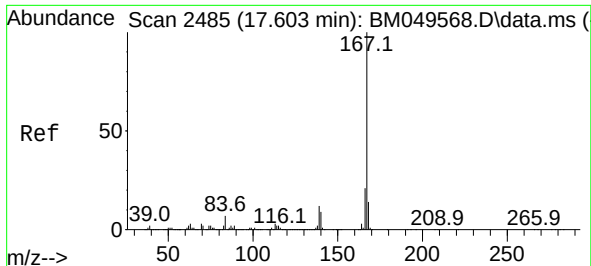
Tgt Ion:178 Resp: 231092
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.1 12.2 18.2



#72
Anthracene
Concen: 5.060 ng
RT: 17.333 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:178 Resp: 222217
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 15.3 12.4 18.6

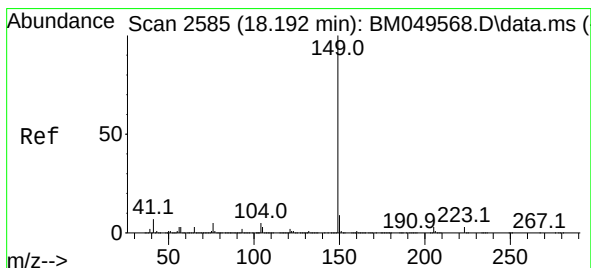
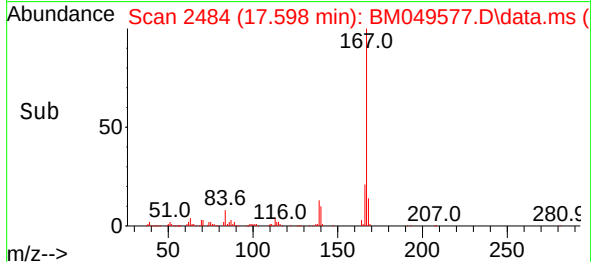
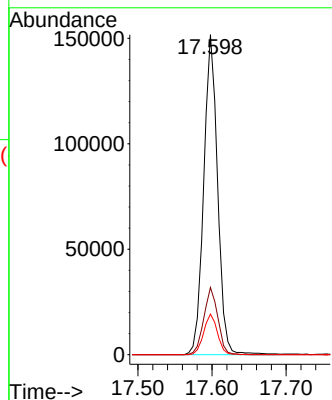
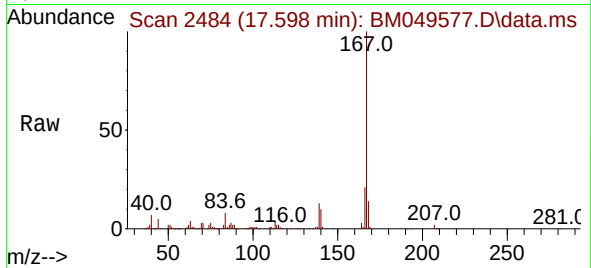




#73
 Carbazole
 Concen: 5.118 ng
 RT: 17.598 min Scan# 2484
 Delta R.T. -0.006 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

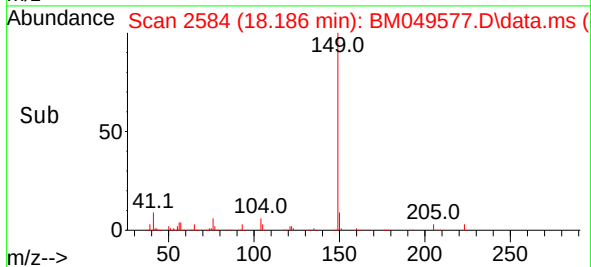
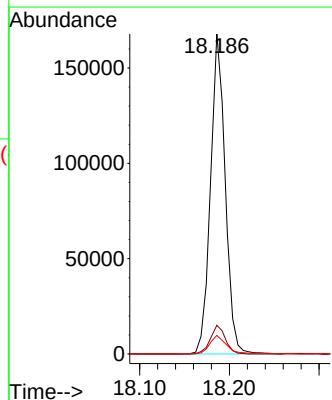
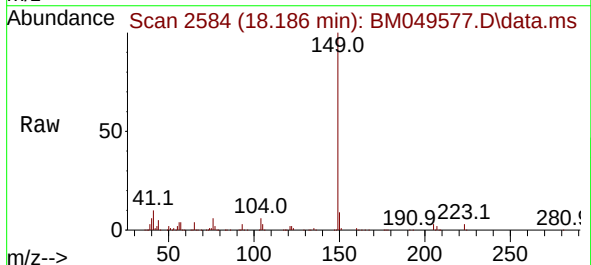
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

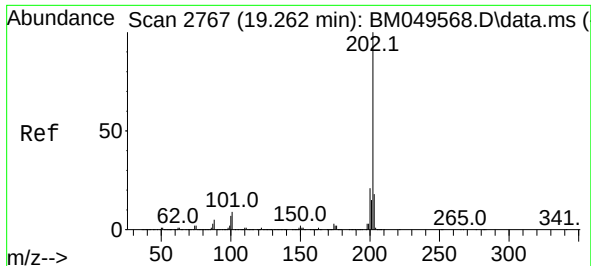
Tgt Ion:167 Resp: 197274
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.7 9.6 14.4



#74
 Di-n-butylphthalate
 Concen: 3.911 ng
 RT: 18.186 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

Tgt Ion:149 Resp: 191281
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.0
 104 5.8 4.1 6.1

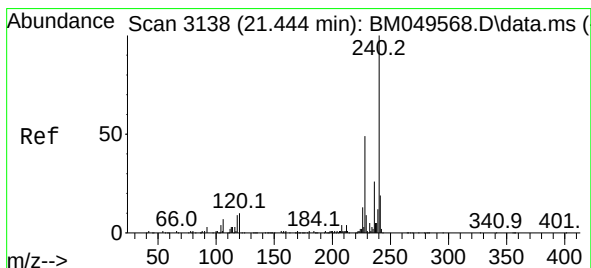
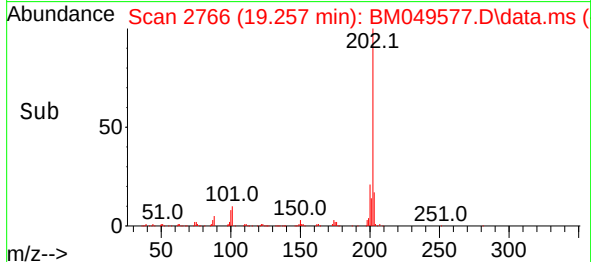
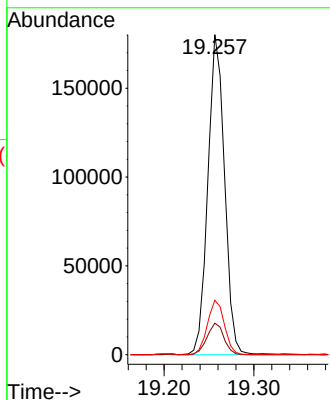
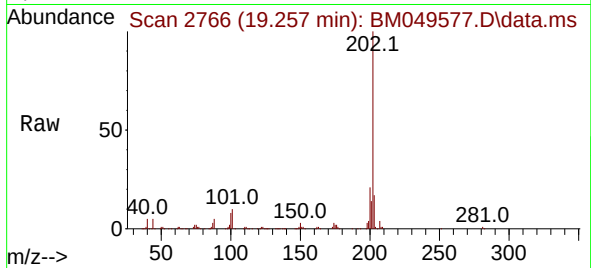




#75
Fluoranthene
Concen: 4.482 ng
RT: 19.257 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

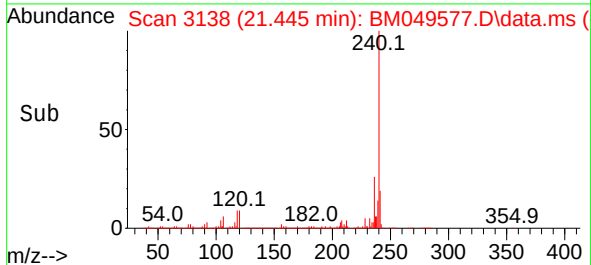
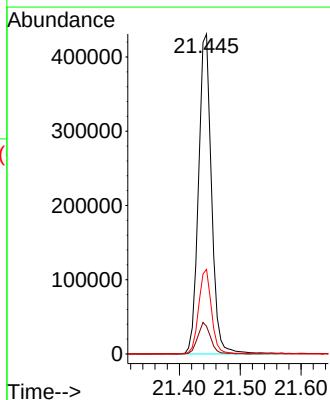
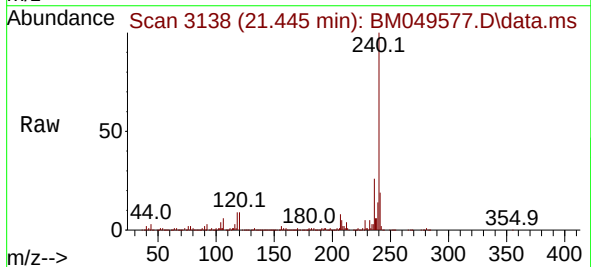
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

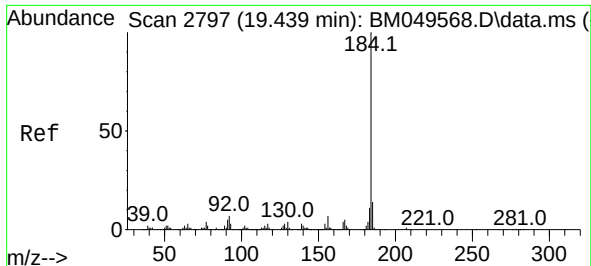
Tgt Ion:202 Resp: 232752
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.1
203 17.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:240 Resp: 639419
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.8
236 26.5 20.6 31.0

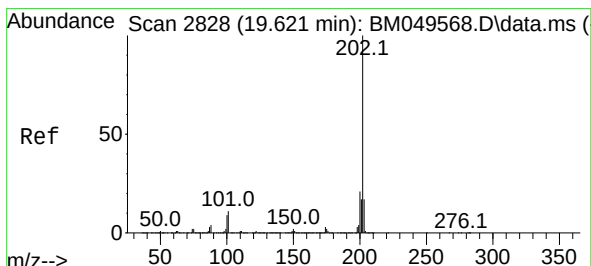
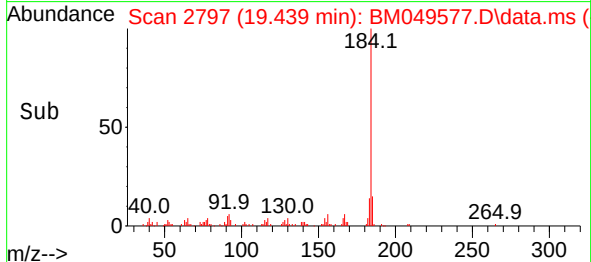
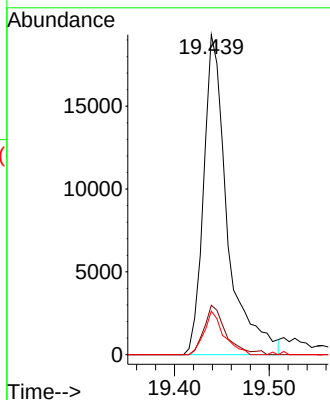
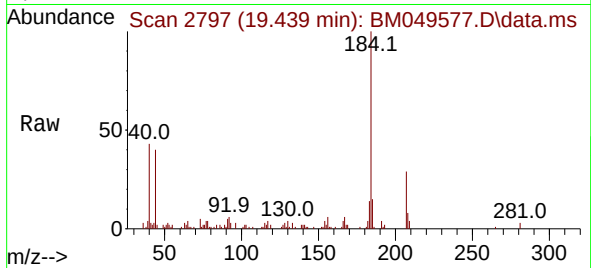




#77
Benzidine
Concen: 5.945 ng
RT: 19.439 min Scan# 2797
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

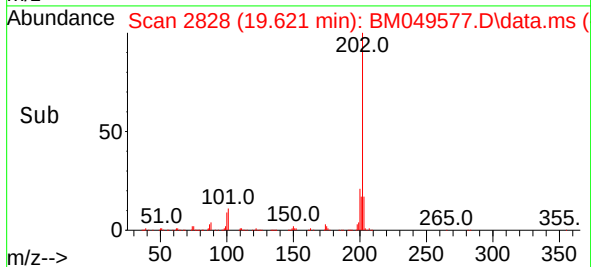
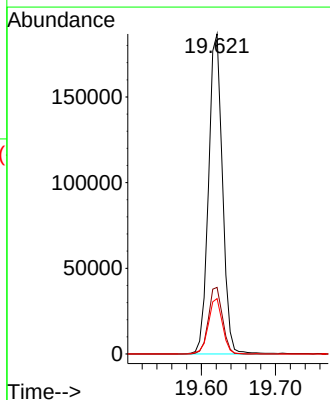
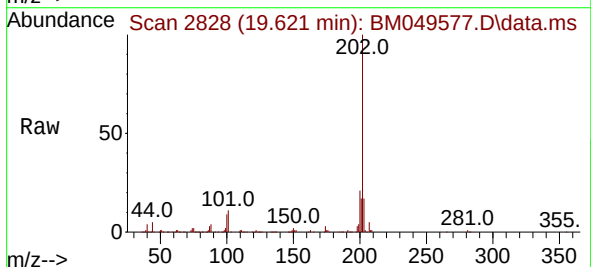
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

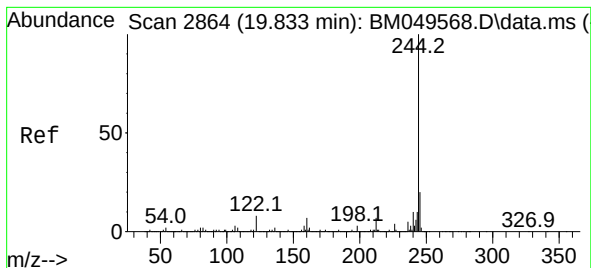
Tgt Ion:184 Resp: 33663
Ion Ratio Lower Upper
184 100
185 15.4 11.6 17.4
183 13.6 8.9 13.3#



#78
Pyrene
Concen: 5.083 ng
RT: 19.621 min Scan# 2828
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:202 Resp: 243341
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 17.3 13.8 20.8





#79

Terphenyl-d14

Concen: 136.327 ng

RT: 19.833 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

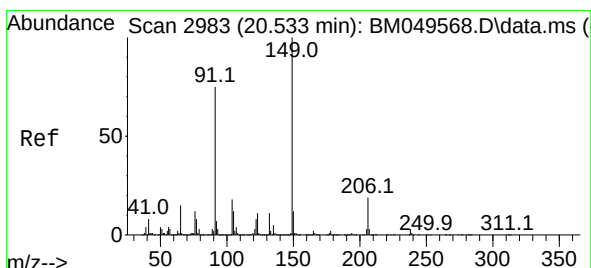
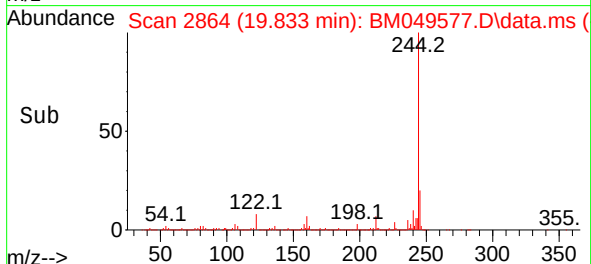
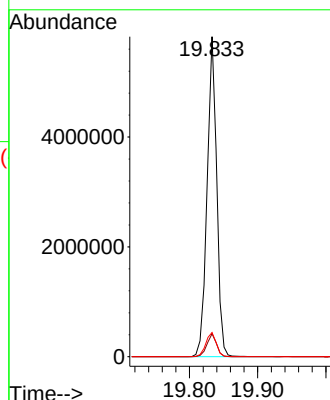
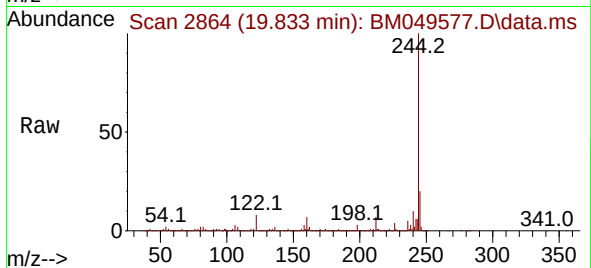
Tgt Ion:244 Resp: 5708422

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 7.6 6.2 9.2



#80

Butylbenzylphthalate

Concen: 2.406 ng

RT: 20.533 min Scan# 2983

Delta R.T. -0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

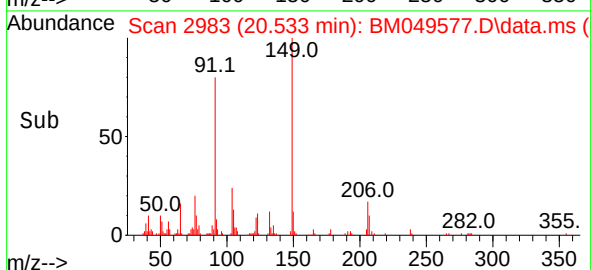
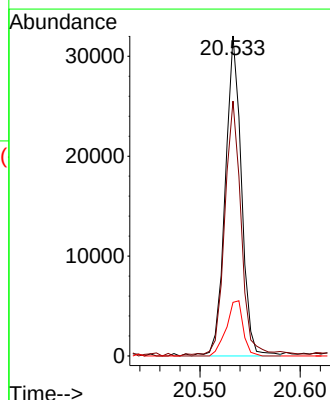
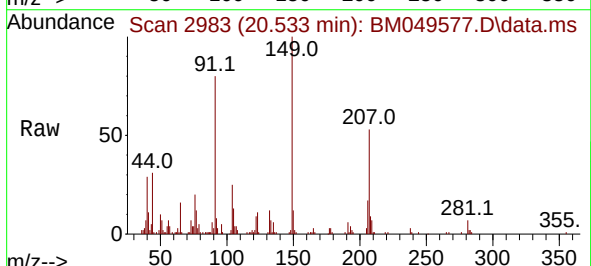
Tgt Ion:149 Resp: 35843

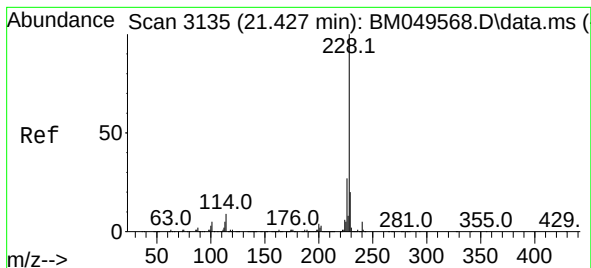
Ion Ratio Lower Upper

149 100

91 79.7 60.2 90.2

206 16.8 15.4 23.0





#81

Benzo(a)anthracene

Concen: 5.114 ng

RT: 21.427 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

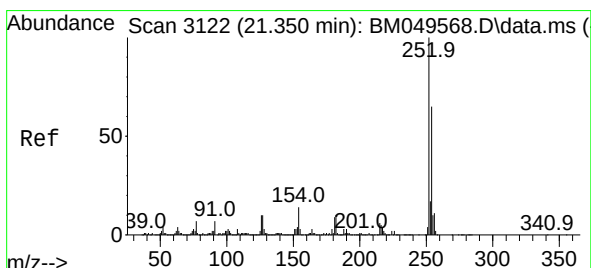
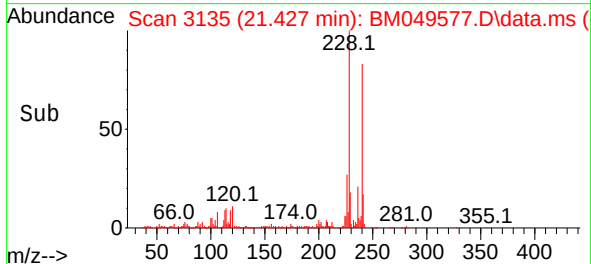
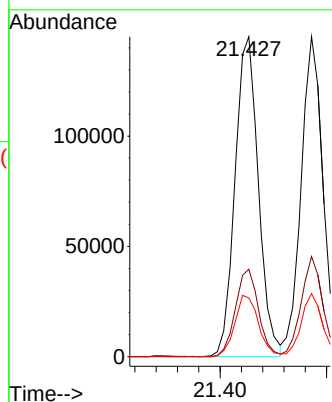
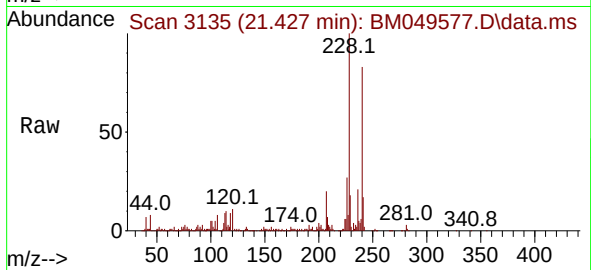
Tgt Ion:228 Resp: 221616

Ion Ratio Lower Upper

228 100

226 27.3 22.0 33.0

229 18.3 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 3.767 ng

RT: 21.345 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

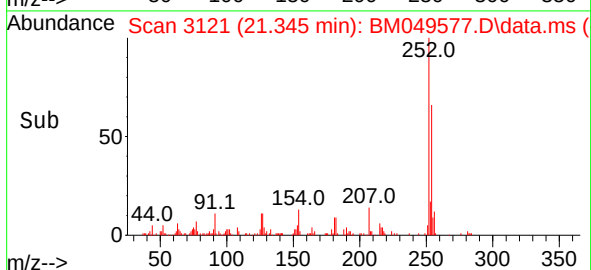
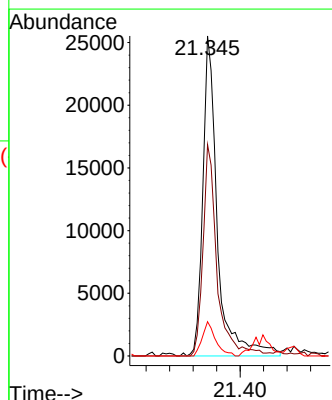
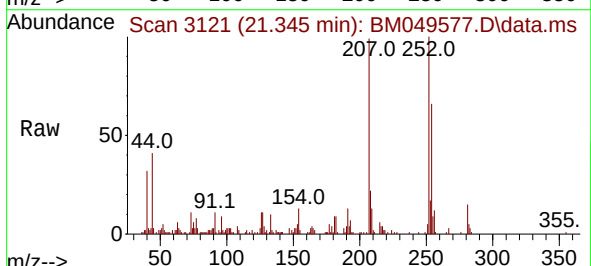
Tgt Ion:252 Resp: 43931

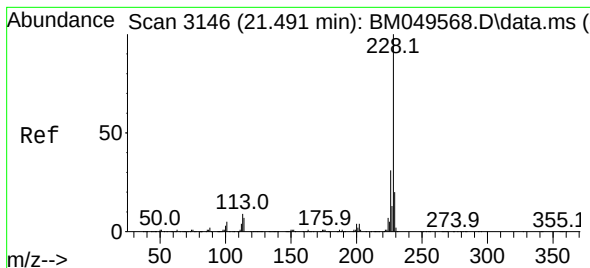
Ion Ratio Lower Upper

252 100

254 66.0 52.1 78.1

126 10.7 7.8 11.6





#83

Chrysene

Concen: 5.160 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

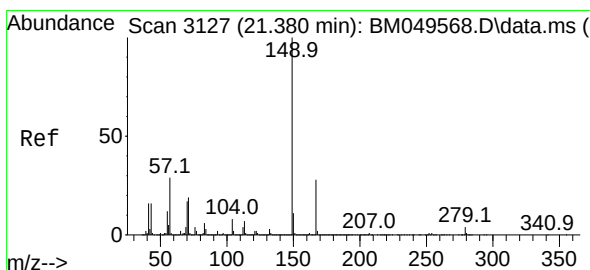
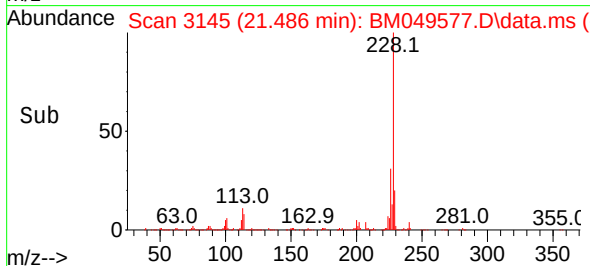
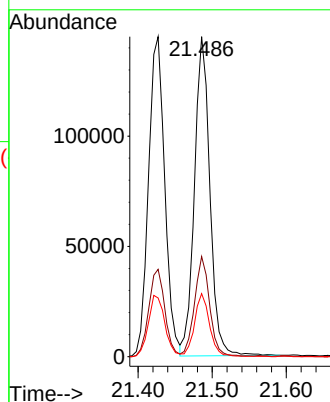
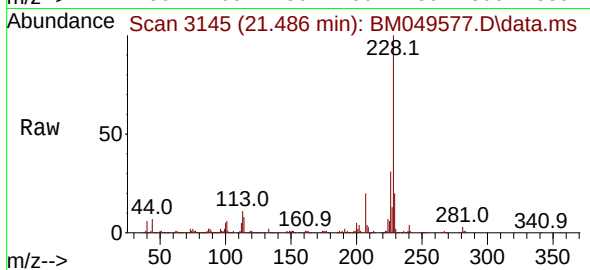
Tgt Ion:228 Resp: 209491

Ion Ratio Lower Upper

228 100

226 31.3 24.5 36.7

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.819 ng

RT: 21.380 min Scan# 3127

Delta R.T. -0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

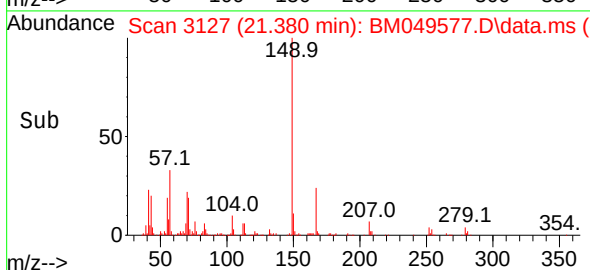
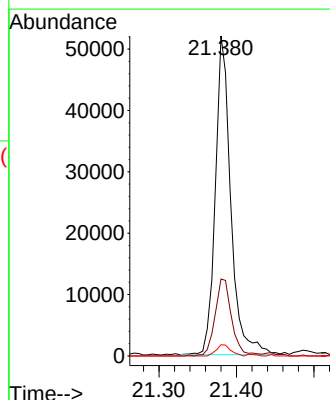
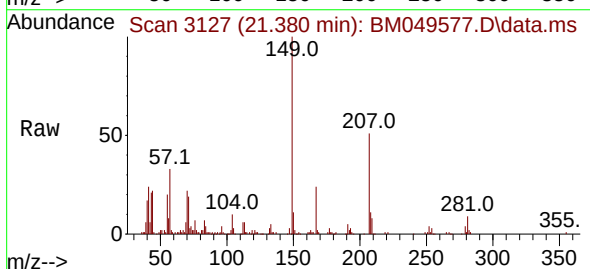
Tgt Ion:149 Resp: 71991

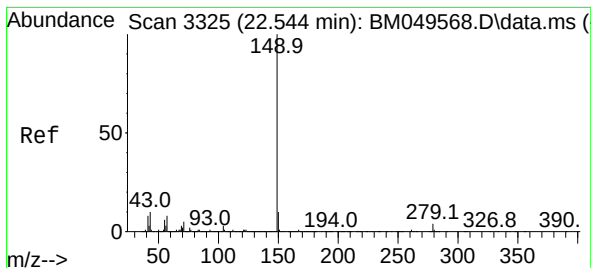
Ion Ratio Lower Upper

149 100

167 24.1 22.1 33.1

279 3.5 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 2.157 ng

RT: 22.539 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

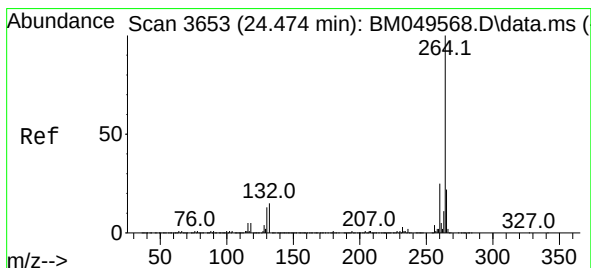
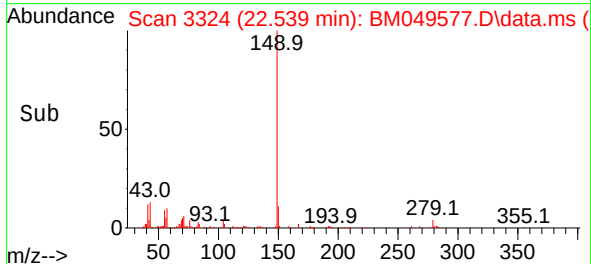
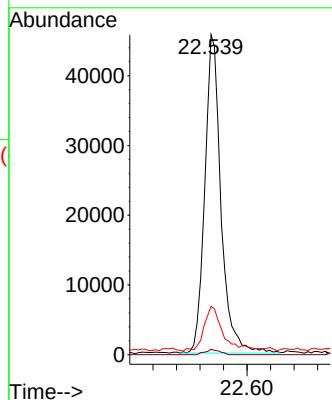
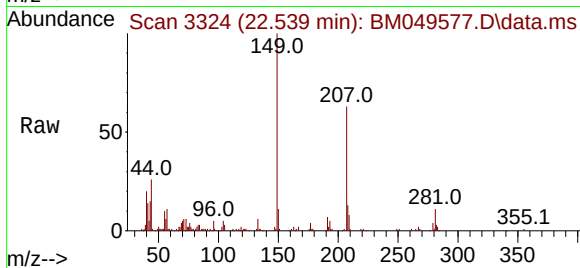
Tgt Ion:149 Resp: 86928

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 16.6 8.5 12.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.474 min Scan# 3653

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

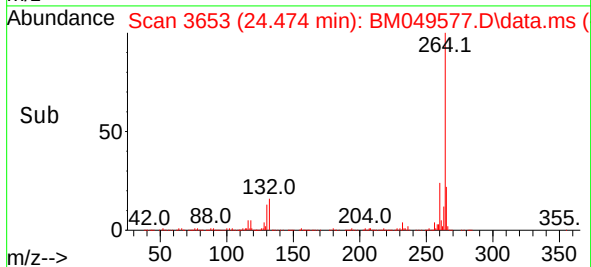
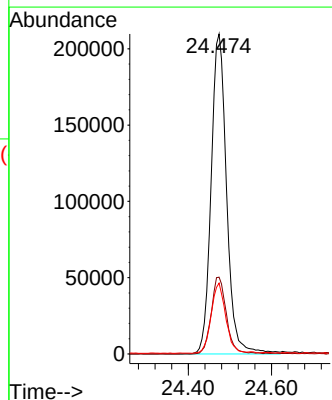
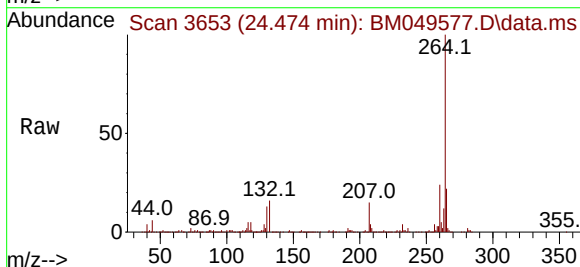
Tgt Ion:264 Resp: 541757

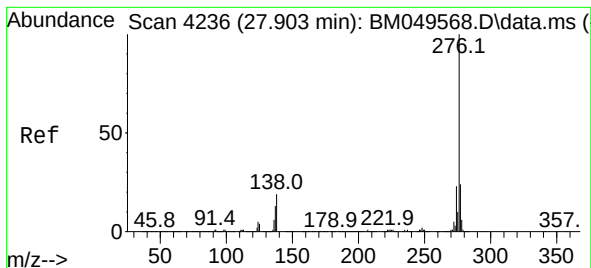
Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 22.2 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.726 ng

RT: 27.897 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

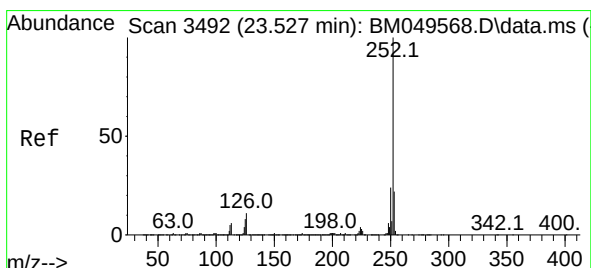
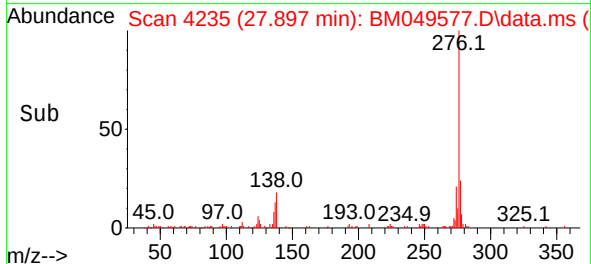
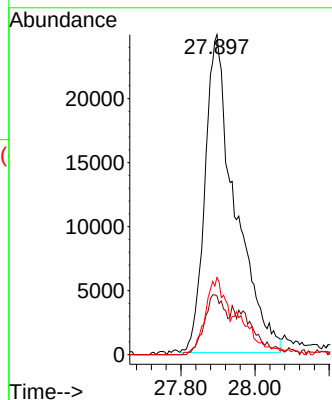
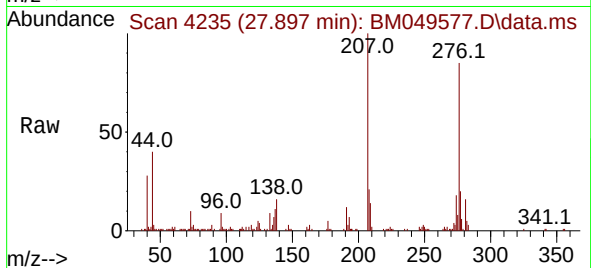
Tgt Ion:276 Resp: 139815

Ion Ratio Lower Upper

276 100

138 12.8 13.1 19.7#

277 17.2 19.9 29.9#



#88

Benzo(b)fluoranthene

Concen: 4.653 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.012 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

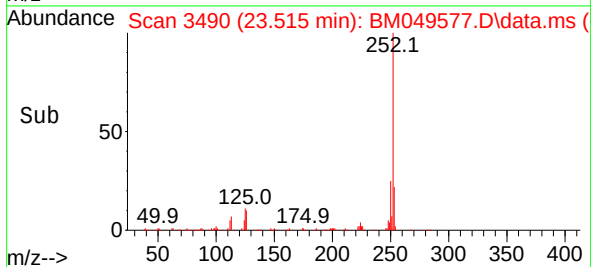
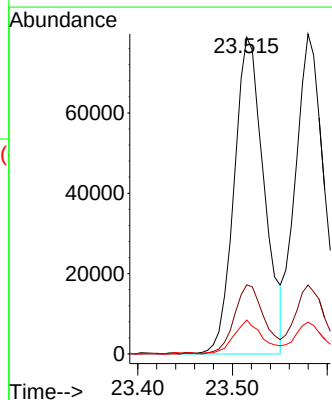
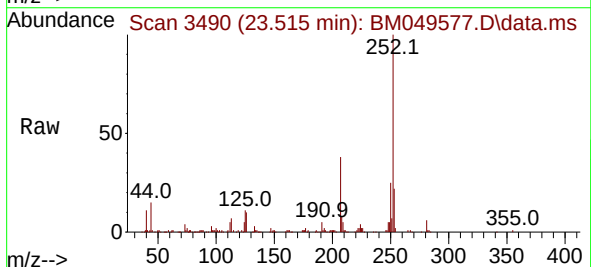
Tgt Ion:252 Resp: 173429

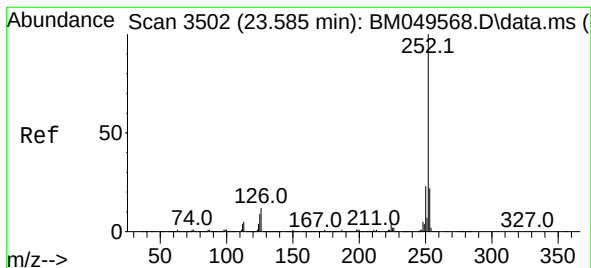
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.7 6.6 10.0#





#89

Benzo(k)fluoranthene

Concen: 4.682 ng

RT: 23.580 min Scan# 3502

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

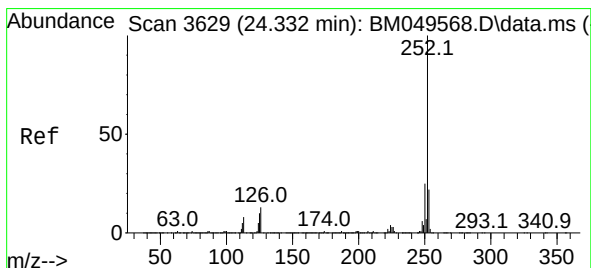
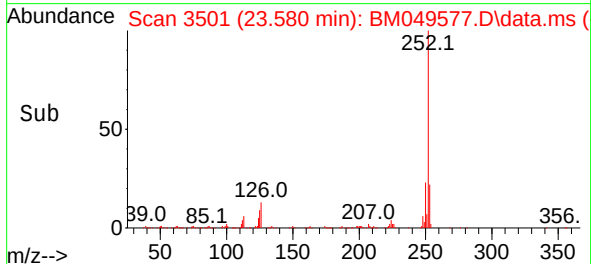
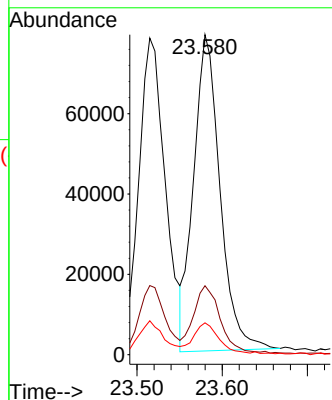
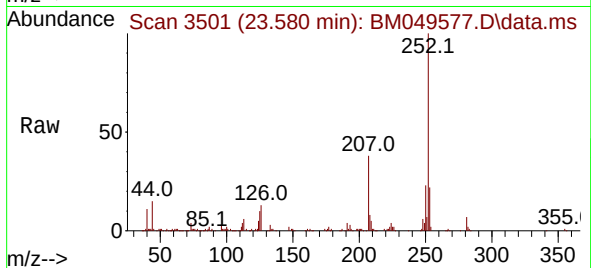
Tgt Ion:252 Resp: 169471

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.0 7.0 10.6



#90

Benzo(a)pyrene

Concen: 4.675 ng

RT: 24.333 min Scan# 3629

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

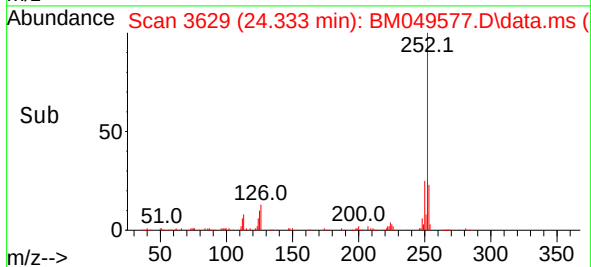
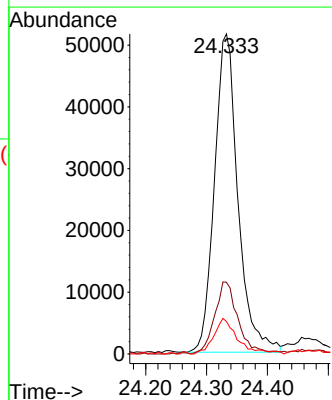
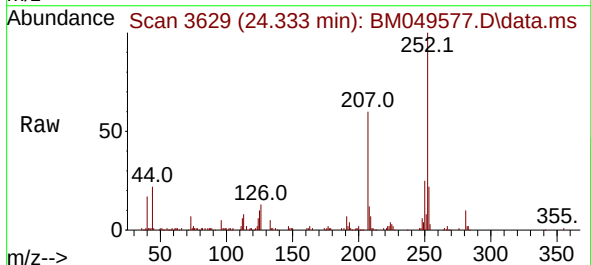
Tgt Ion:252 Resp: 138089

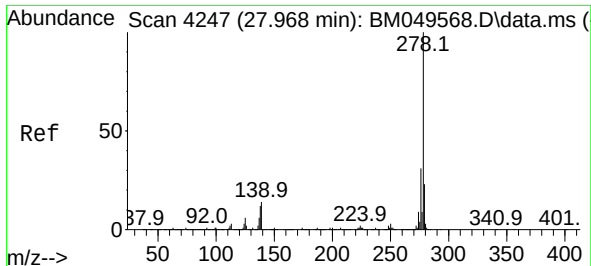
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 10.1 8.2 12.2

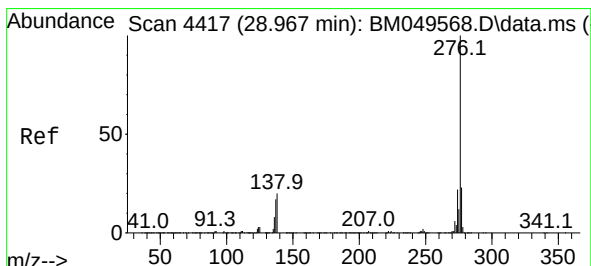
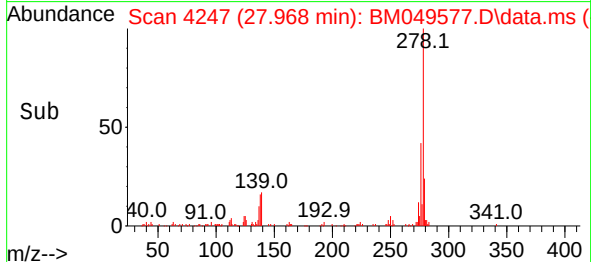
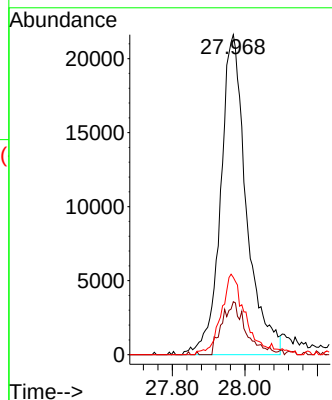
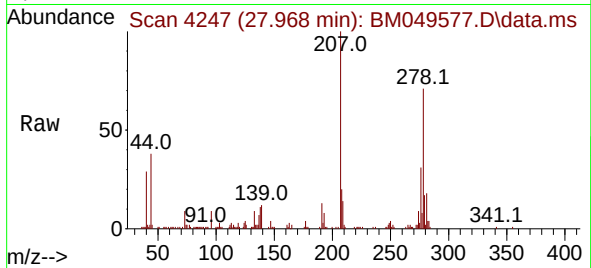




#91
Dibenzo(a,h)anthracene
Concen: 4.562 ng
RT: 27.968 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:278 Resp: 106665
Ion Ratio Lower Upper
278 100
139 16.6 11.5 17.3
279 24.2 18.2 27.2



#92
Benzo(g,h,i)perylene
Concen: 4.486 ng
RT: 28.944 min Scan# 4413
Delta R.T. -0.023 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:276 Resp: 117171
Ion Ratio Lower Upper
276 100
277 21.9 18.7 28.1
138 20.8 16.0 24.0

