

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049584.D
 Acq On : 06 Feb 2025 17:42
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 06 18:14:18 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	7.822	152	197368	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	728612	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	446218	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	846964	20.000	ng	0.00
76) Chrysene-d12	21.439	240	747530	20.000	ng	0.00
86) Perylene-d12	24.468	264	624371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	736783	60.031	ng	0.00
7) Phenol-d6	6.975	99	984094	61.201	ng	0.00
23) Nitrobenzene-d5	8.975	82	871704	61.539	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	272944	51.622	ng	0.00
45) 2-Fluorobiphenyl	13.086	172	2002013	58.122	ng	0.00
79) Terphenyl-d14	19.827	244	2935831	59.973	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	46605	9.031	ng	98
3) Pyridine	3.693	79	238587	16.638	ng	97
4) n-Nitrosodimethylamine	3.599	42	117565	17.522	ng	93
6) Aniline	7.146	93	311894	20.465	ng	99
8) 2-Chlorophenol	7.387	128	198591	16.204	ng	99
9) Benzaldehyde	6.957	77	111683	13.117	ng	98
10) Phenol	7.005	94	267086	16.864	ng	96
11) bis(2-Chloroethyl)ether	7.246	93	219042	17.095	ng	97
12) 1,3-Dichlorobenzene	7.716	146	244778	17.207	ng	99
13) 1,4-Dichlorobenzene	7.857	146	246985	17.165	ng	99
14) 1,2-Dichlorobenzene	8.175	146	237992	17.130	ng	100
15) Benzyl Alcohol	8.057	79	173710	15.528	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.352	45	326984	18.957	ng	98
17) 2-Methylphenol	8.257	107	161589	16.686	ng	98
18) Hexachloroethane	8.910	117	87837	16.713	ng	97
19) n-Nitroso-di-n-propyla...	8.628	70	173598	16.487	ng	98
20) 3+4-Methylphenols	8.581	107	205525	16.077	ng	97
22) Acetophenone	8.640	105	170962	8.712	ng	# 95
24) Nitrobenzene	9.016	77	247039	17.950	ng	98
25) Isophorone	9.546	82	443078	17.344	ng	99
26) 2-Nitrophenol	9.728	139	48815	13.653	ng	98
27) 2,4-Dimethylphenol	9.793	122	159122	19.699	ng	98
28) bis(2-Chloroethoxy)met...	10.034	93	272008	16.532	ng	99
29) 2,4-Dichlorophenol	10.263	162	162022	14.565	ng	97
30) 1,2,4-Trichlorobenzene	10.487	180	221378	16.244	ng	97
31) Naphthalene	10.669	128	621268	16.167	ng	99
32) Benzoic acid	9.793	122	159122	36.198	ng	# 14
33) 4-Chloroaniline	10.769	127	252461	17.552	ng	98
34) Hexachlorobutadiene	10.969	225	137195	16.810	ng	98
35) Caprolactam	11.516	113	20781	6.124	ng	98
36) 4-Chloro-3-methylphenol	11.892	107	157955	14.238	ng	99
37) 2-Methylnaphthalene	12.287	142	406315	15.018	ng	97
38) 1-Methylnaphthalene	12.504	142	401340	15.246	ng	98
40) 1,2,4,5-Tetrachloroben...	12.651	216	124374	8.478	ng	99
41) Hexachlorocyclopentadiene	12.645	237	70739	18.888	ng	100
43) 2,4,6-Trichlorophenol	12.887	196	109111	13.629	ng	96

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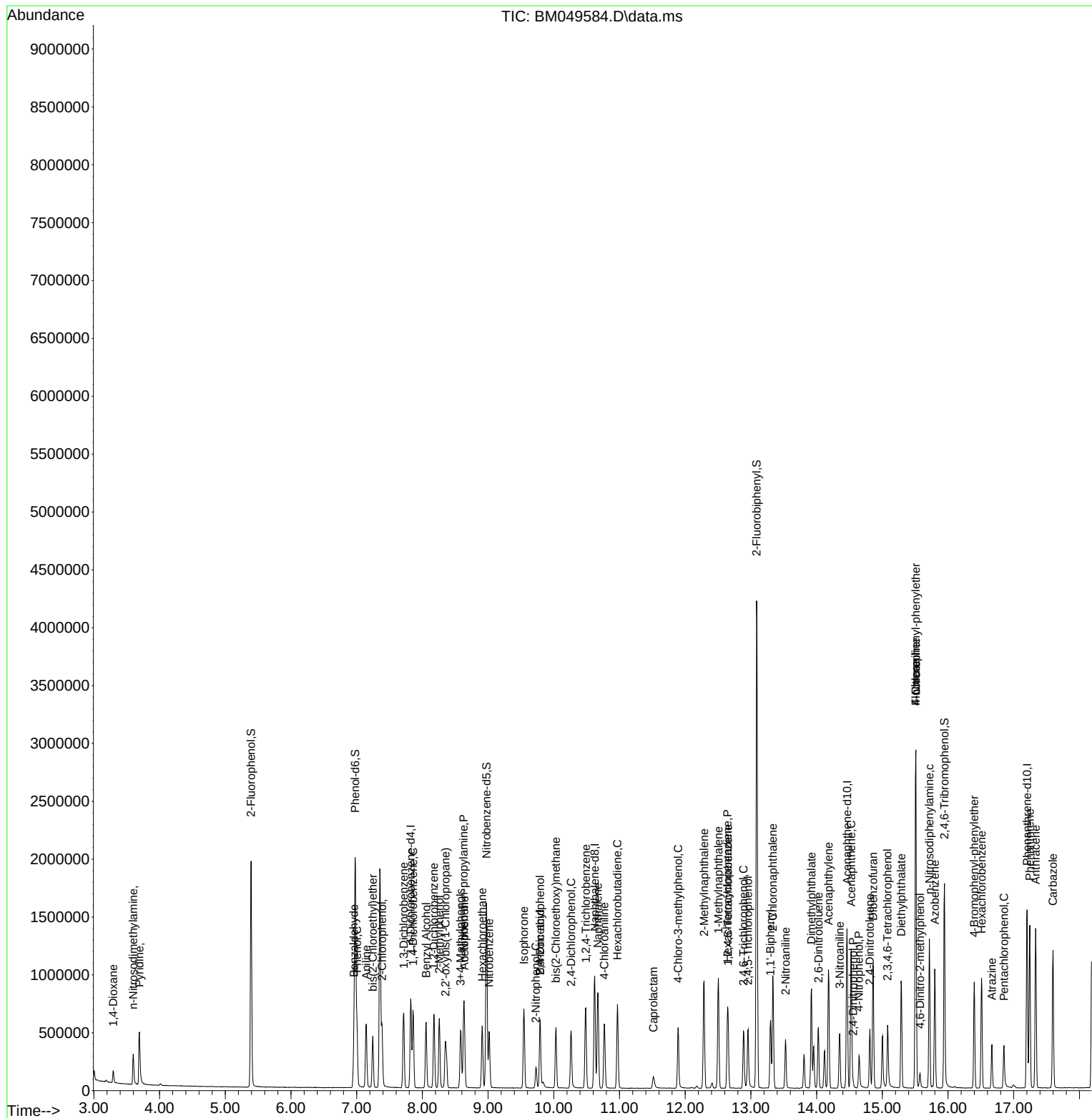
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	128761	14.635	ng	99
46) 1,1'-Biphenyl	13.298	154	283152	8.318	ng	98
47) 2-Chloronaphthalene	13.334	162	443625	16.844	ng	98
48) 2-Nitroaniline	13.528	65	94451	15.629	ng	96
49) Acenaphthylene	14.181	152	679036	17.485	ng	100
50) Dimethylphthalate	13.922	163	497489	15.525	ng	100
51) 2,6-Dinitrotoluene	14.028	165	87705	15.817	ng	91
52) Acenaphthene	14.528	154	407074	15.792	ng	95
53) 3-Nitroaniline	14.351	138	93450	16.553	ng	93
54) 2,4-Dinitrophenol	14.557	184	11921	14.975	ng	91
55) Dibenzofuran	14.863	168	648161	15.791	ng	99
56) 4-Nitrophenol	14.645	139	57613	12.106	ng	96
57) 2,4-Dinitrotoluene	14.810	165	107685	17.598	ng	95
58) Fluorene	15.510	166	542703	15.456	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.080	232	104004	13.992	ng	97
60) Diethylphthalate	15.286	149	484662	15.049	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	283756	15.183	ng	97
62) 4-Nitroaniline	15.510	138	100354	15.872	ng	91
63) Azobenzene	15.798	77	562354	16.729	ng	95
65) 4,6-Dinitro-2-methylph...	15.575	198	20599	14.743	ng	91
66) n-Nitrosodiphenylamine	15.716	169	425458	15.928	ng	99
67) 4-Bromophenyl-phenylether	16.398	248	153305	15.580	ng	97
68) Hexachlorobenzene	16.510	284	180987	16.026	ng	97
69) Atrazine	16.669	200	59719	7.521	ng	99
70) Pentachlorophenol	16.851	266	60909	14.933	ng	96
71) Phenanthrene	17.245	178	772823	16.017	ng	100
72) Anthracene	17.333	178	765624	16.025	ng	100
73) Carbazole	17.598	167	677282	16.152	ng	99
74) Di-n-butylphthalate	18.186	149	722900	13.586	ng	99
75) Fluoranthene	19.257	202	821250	14.538	ng	99
77) Benzidine	19.439	184	61559	9.299	ng	98
78) Pyrene	19.621	202	850322	15.192	ng	99
80) Butylbenzylphthalate	20.533	149	158848	9.120	ng	98
81) Benzo(a)anthracene	21.421	228	804726	15.884	ng	100
82) 3,3'-Dichlorobenzidine	21.345	252	76924	5.643	ng	94
83) Chrysene	21.486	228	757636	15.962	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	319192	10.690	ng	98
85) Di-n-octyl phthalate	22.539	149	403005	8.556	ng	# 93
87) Indeno(1,2,3-cd)pyrene	27.886	276	545393	15.995	ng	98
88) Benzo(b)fluoranthene	23.515	252	638837	14.873	ng	98
89) Benzo(k)fluoranthene	23.580	252	647756	15.527	ng	100
90) Benzo(a)pyrene	24.327	252	548970	16.128	ng	100
91) Dibenzo(a,h)anthracene	27.962	278	412568	15.309	ng	97
92) Benzo(g,h,i)perylene	28.950	276	448387	14.894	ng	99

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

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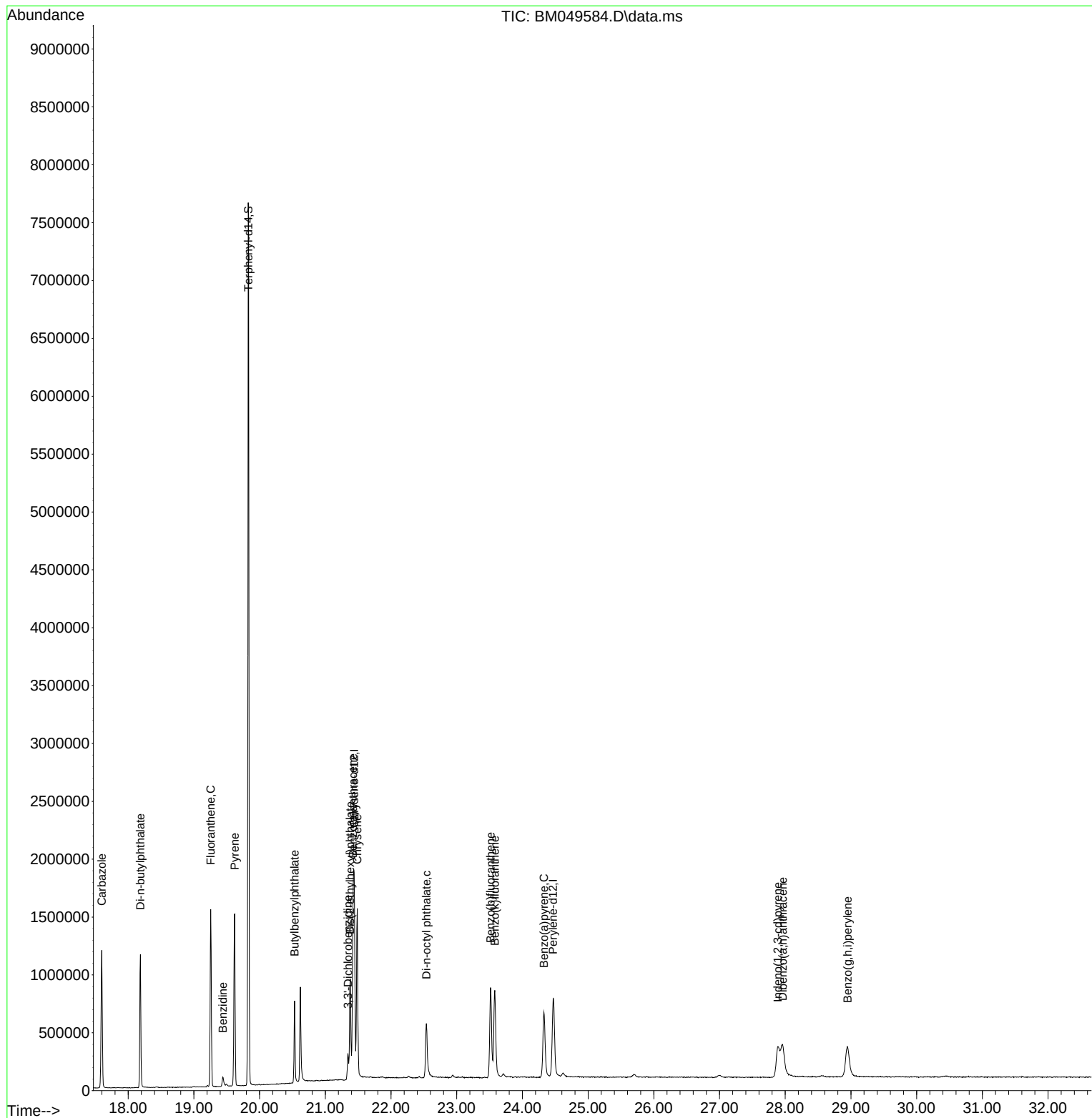
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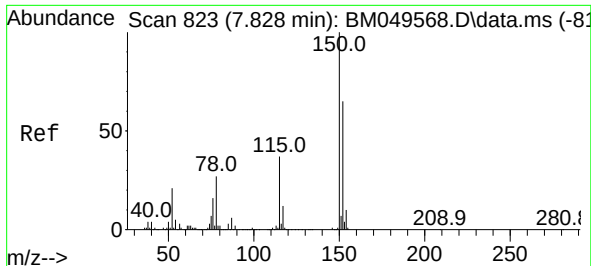


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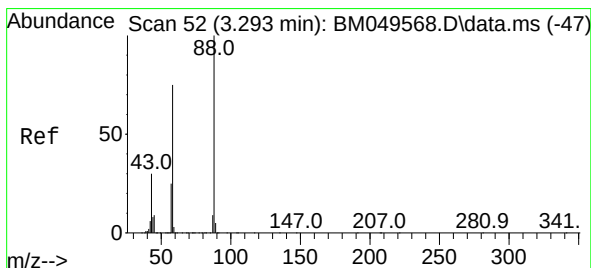
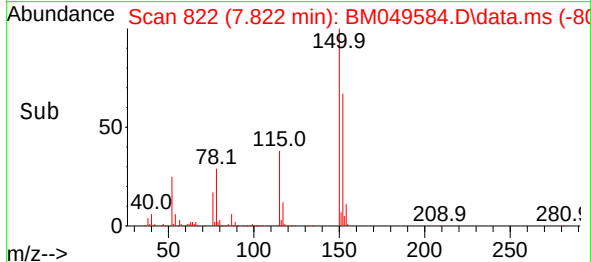
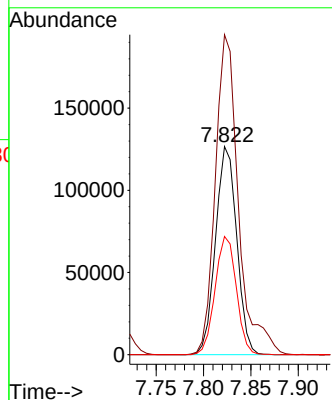
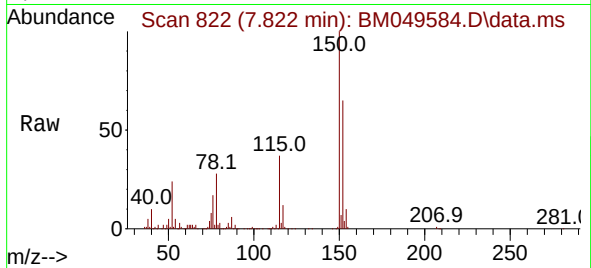




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049584.D
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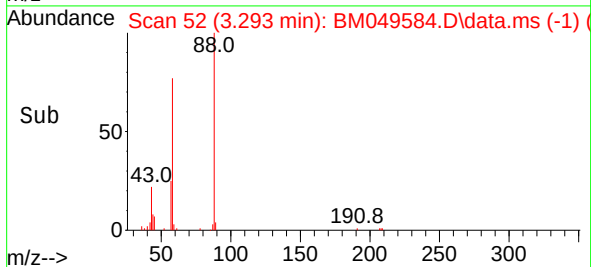
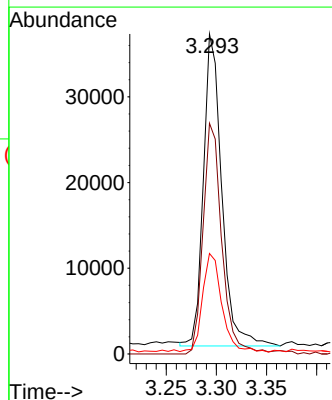
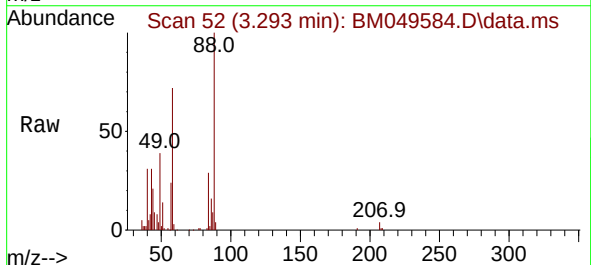
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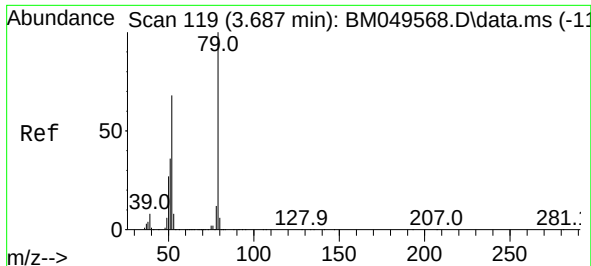
Tgt Ion:152 Resp: 197368
Ion Ratio Lower Upper
152 100
150 153.7 122.6 184.0
115 56.8 45.4 68.0



#2
1,4-Dioxane
Concen: 9.031 ng
RT: 3.293 min Scan# 52
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion: 88 Resp: 46605
Ion Ratio Lower Upper
88 100
58 75.2 60.0 90.0
43 33.1 24.4 36.6

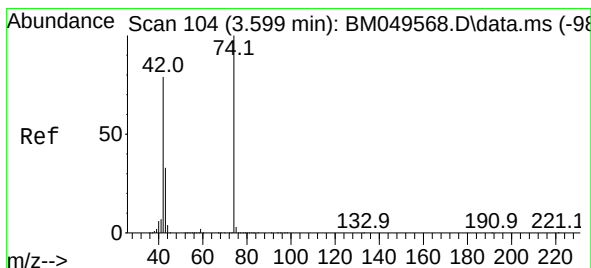
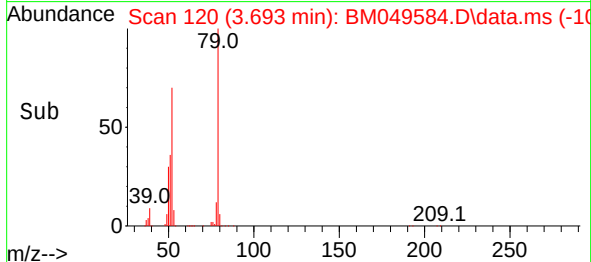
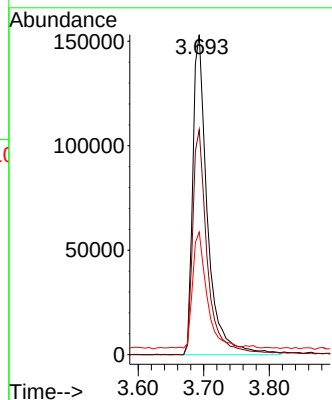
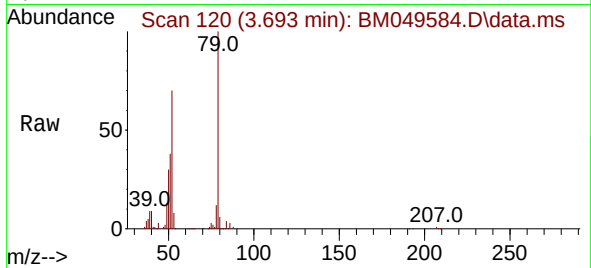




#3
 Pyridine
 Concen: 16.638 ng
 RT: 3.693 min Scan# 119
 Delta R.T. 0.006 min
 Lab File: BM049584.D
 Acq: 06 Feb 2025 17:42

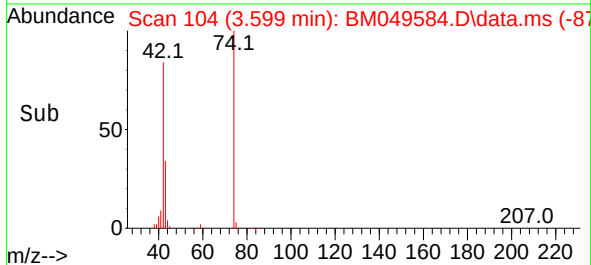
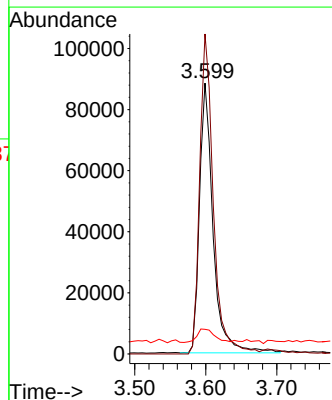
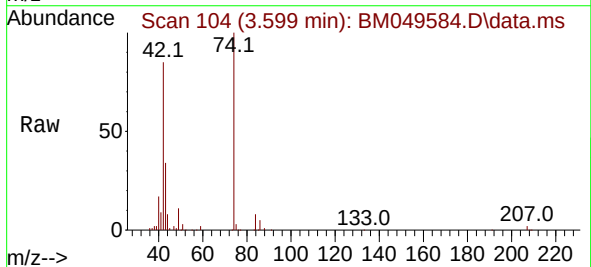
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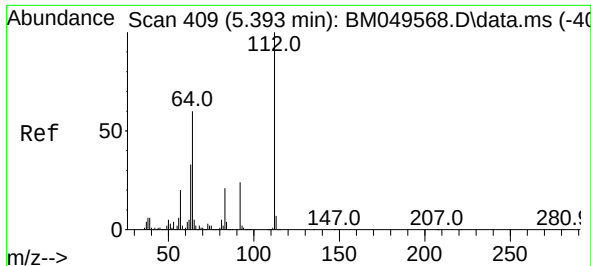
Tgt Ion: 79 Resp: 238587
 Ion Ratio Lower Upper
 79 100
 52 70.3 54.5 81.7
 51 38.3 29.0 43.6



#4
 n-Nitrosodimethylamine
 Concen: 17.522 ng
 RT: 3.599 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: BM049584.D
 Acq: 06 Feb 2025 17:42

Tgt Ion: 42 Resp: 117565
 Ion Ratio Lower Upper
 42 100
 74 118.1 101.3 151.9
 44 9.1 6.5 9.7

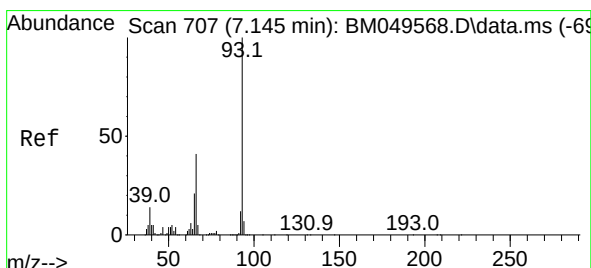
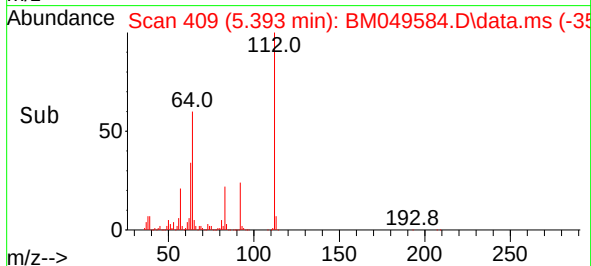
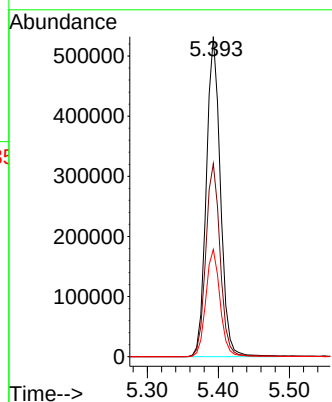
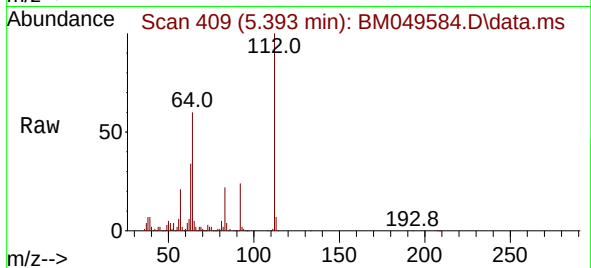




#5
2-Fluorophenol
Concen: 60.031 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

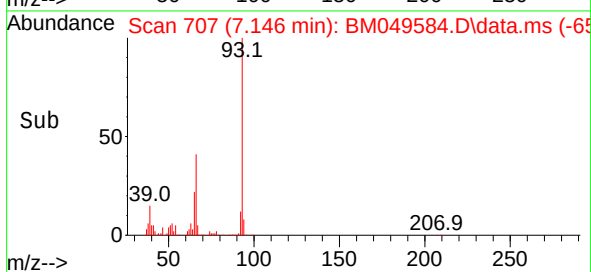
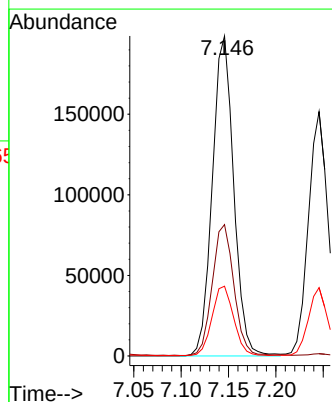
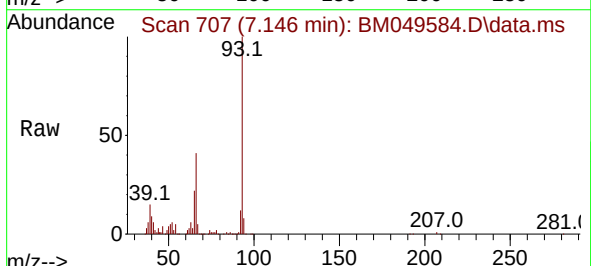
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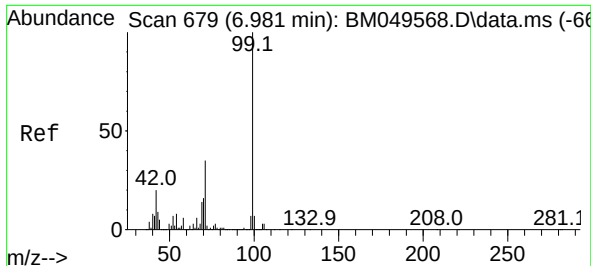
Tgt Ion:	112	Resp:	736783
Ion Ratio	Lower	Upper	
112	100		
64	60.3	47.8	71.8
63	33.5	26.2	39.4



#6
Aniline
Concen: 20.465 ng
RT: 7.146 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:	93	Resp:	311894
Ion Ratio	Lower	Upper	
93	100		
66	41.1	33.3	49.9
65	21.8	16.8	25.2

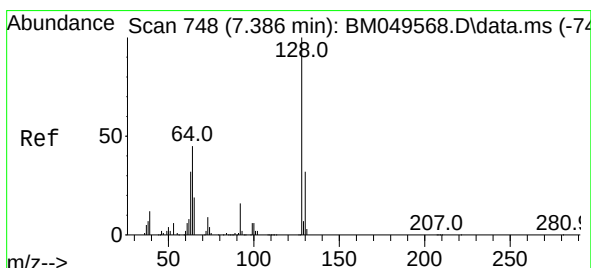
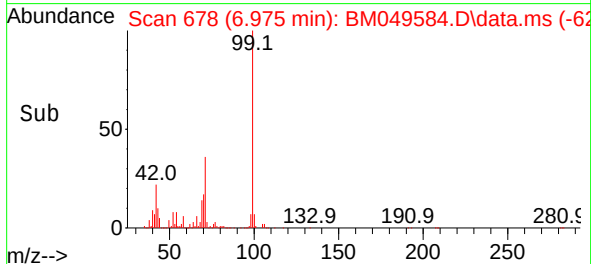
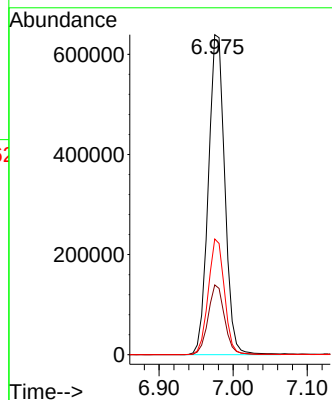
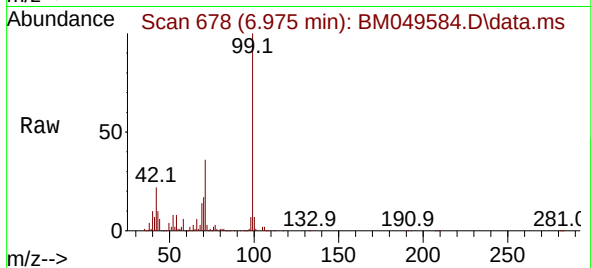




#7
Phenol-d6
Concen: 61.201 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
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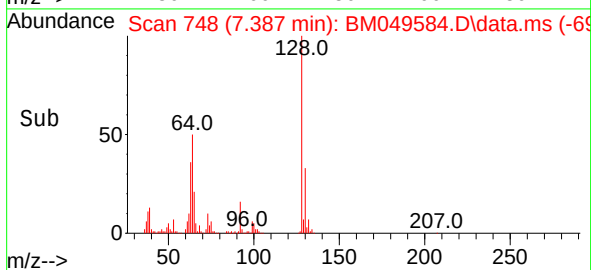
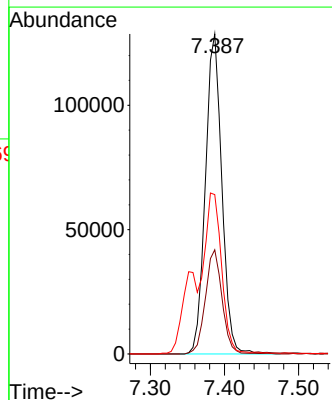
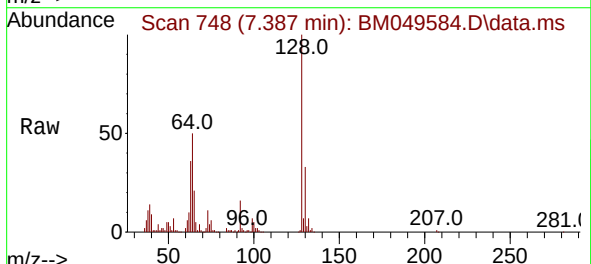
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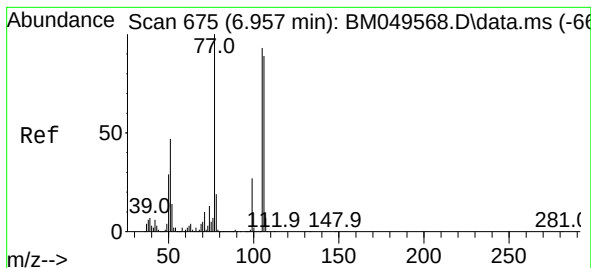
Tgt Ion: 99 Resp: 984094
Ion Ratio Lower Upper
99 100
42 21.8 16.0 24.0
71 36.2 27.8 41.6



#8
2-Chlorophenol
Concen: 16.204 ng
RT: 7.387 min Scan# 748
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion: 128 Resp: 198591
Ion Ratio Lower Upper
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130 32.6 12.4 52.4
64 49.8 28.7 68.7

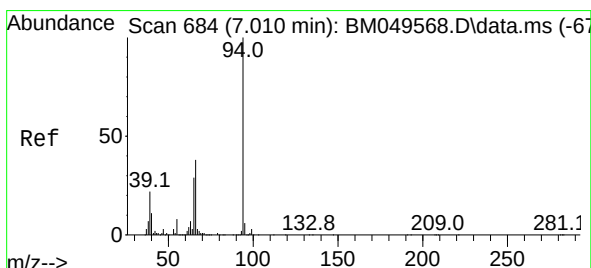
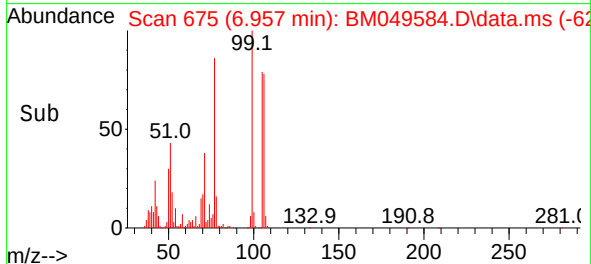
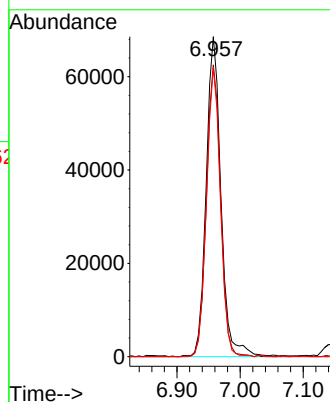
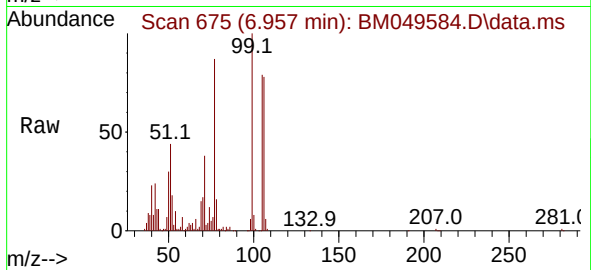




#9
Benzaldehyde
Concen: 13.117 ng
RT: 6.957 min Scan# 611
Delta R.T. 0.000 min
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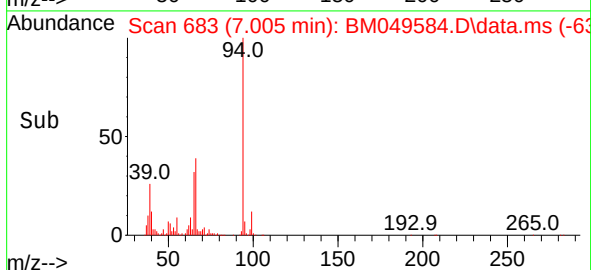
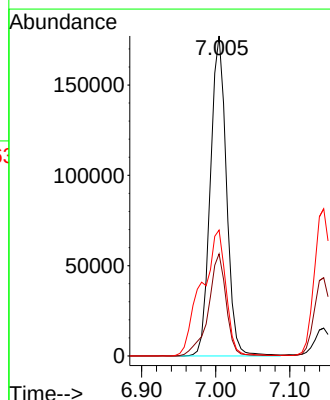
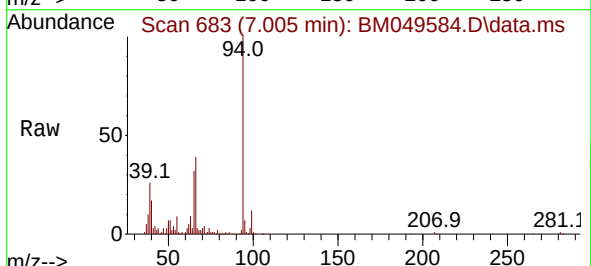
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

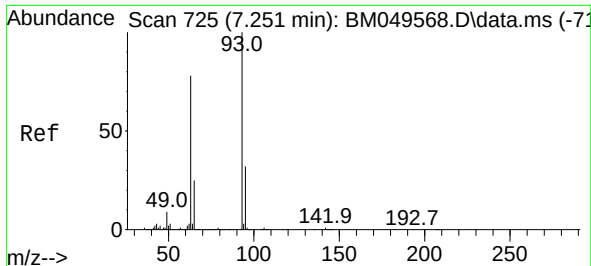
Tgt Ion: 77 Resp: 111683
Ion Ratio Lower Upper
77 100
105 91.2 72.7 112.7
106 90.4 68.9 108.9



#10
Phenol
Concen: 16.864 ng
RT: 7.005 min Scan# 683
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion: 94 Resp: 267086
Ion Ratio Lower Upper
94 100
65 31.9 9.3 49.3
66 39.3 17.7 57.7

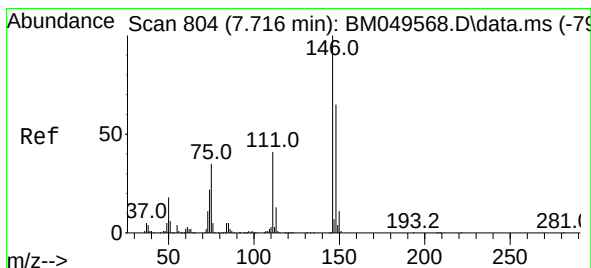
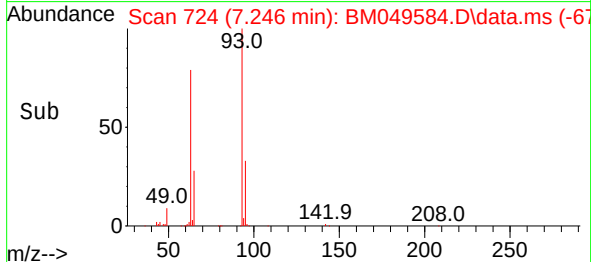
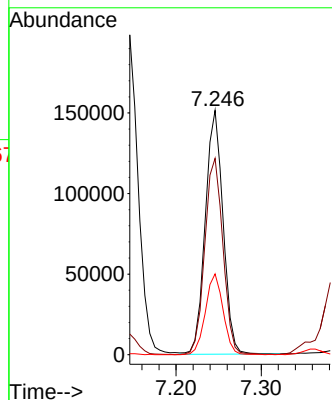
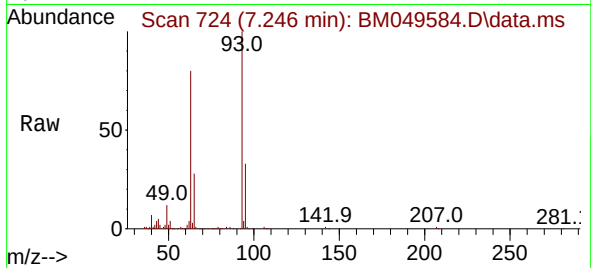




#11
bis(2-Chloroethyl)ether
Concen: 17.095 ng
RT: 7.246 min Scan# 724
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

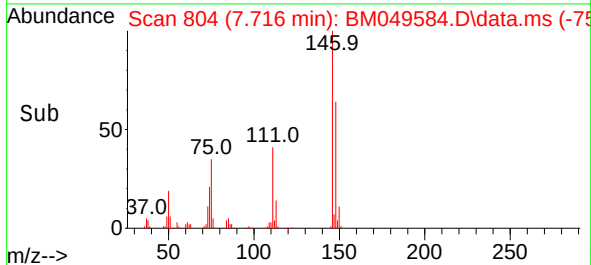
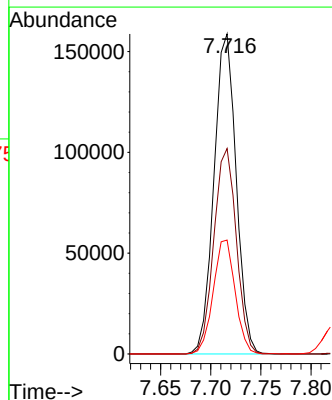
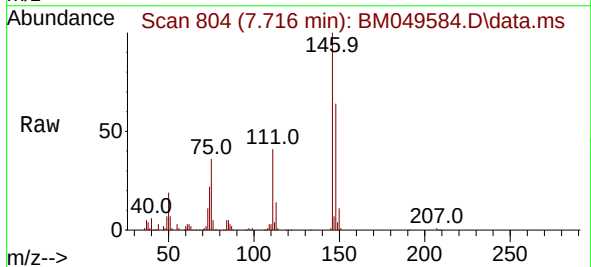
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

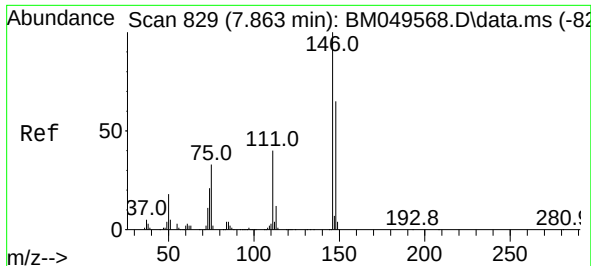
Tgt Ion: 93 Resp: 219042
Ion Ratio Lower Upper
93 100
63 80.4 57.3 97.3
95 33.1 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 17.207 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:146 Resp: 244778
Ion Ratio Lower Upper
146 100
148 64.2 52.2 78.2
75 35.6 28.3 42.5

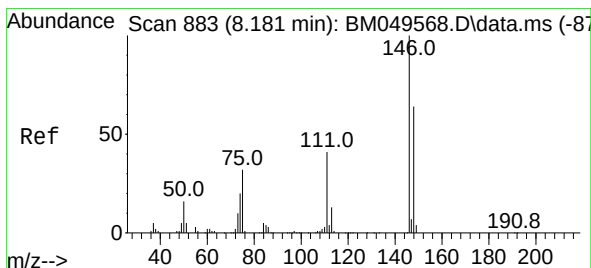
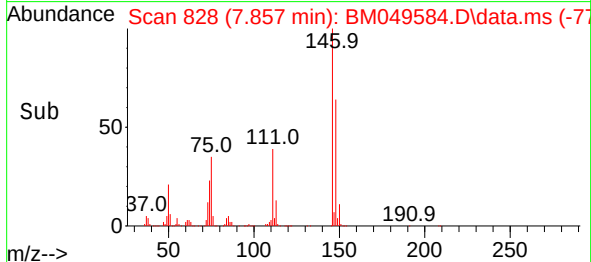
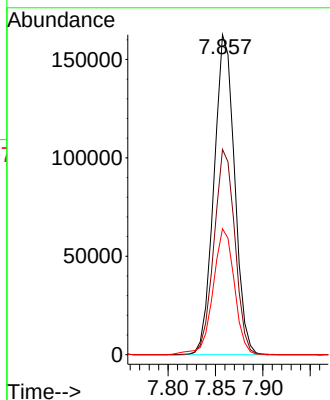
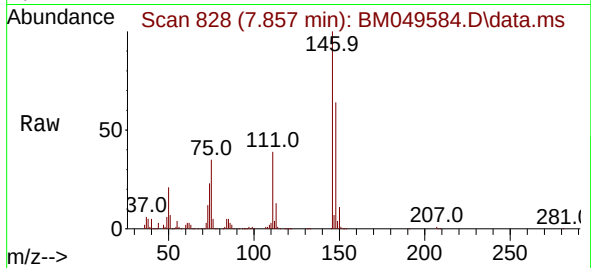




#13
1,4-Dichlorobenzene
Concen: 17.165 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

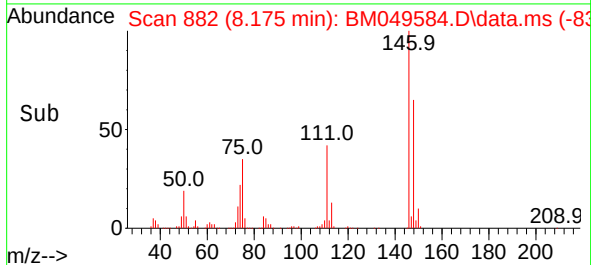
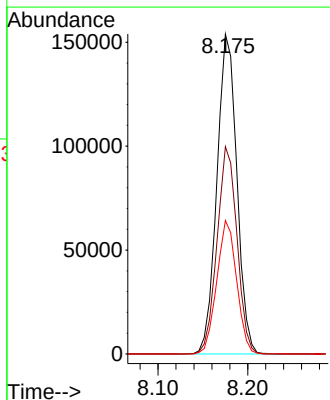
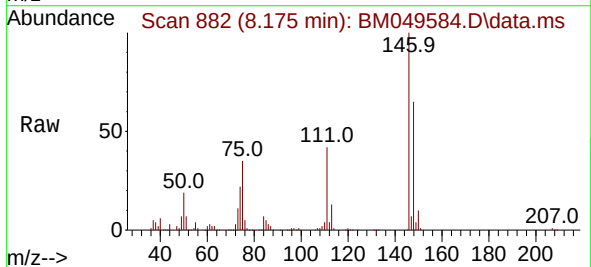
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

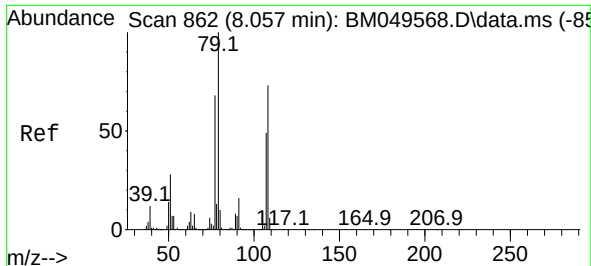
Tgt Ion:146 Resp: 246985
Ion Ratio Lower Upper
146 100
148 64.2 52.1 78.1
111 39.4 31.7 47.5



#14
1,2-Dichlorobenzene
Concen: 17.130 ng
RT: 8.175 min Scan# 882
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:146 Resp: 237992
Ion Ratio Lower Upper
146 100
148 64.8 51.5 77.3
111 41.7 33.4 50.0

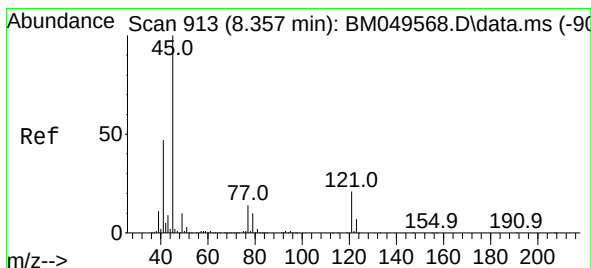
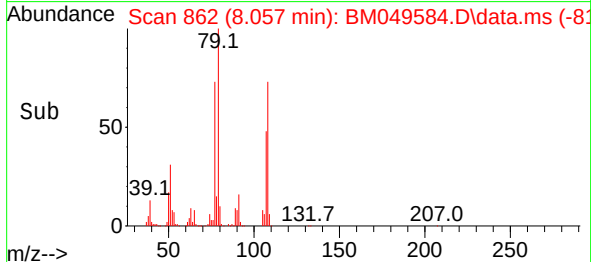
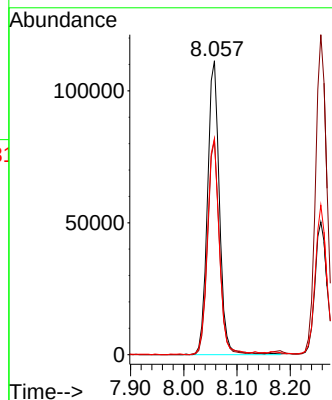
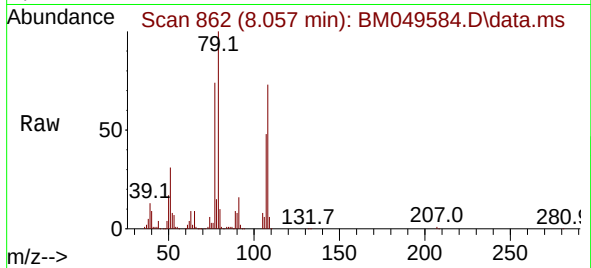




#15
Benzyl Alcohol
Concen: 15.528 ng
RT: 8.057 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

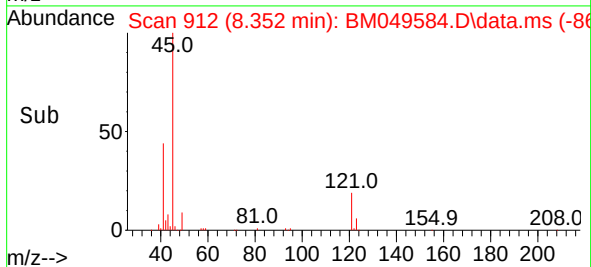
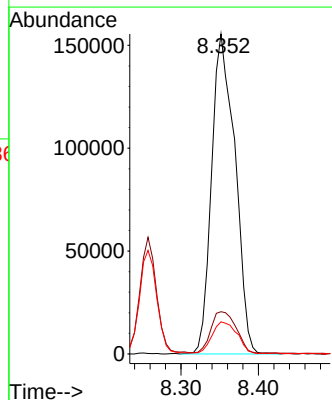
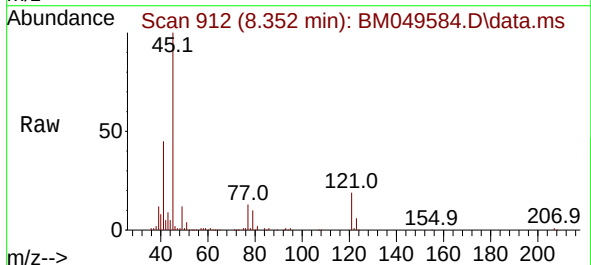
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

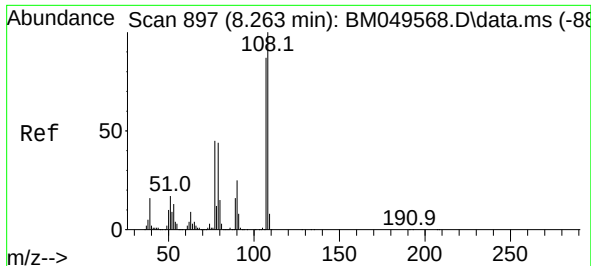
Tgt Ion: 79 Resp: 173710
Ion Ratio Lower Upper
79 100
108 73.2 58.6 88.0
77 73.5 54.0 81.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 18.957 ng
RT: 8.352 min Scan# 912
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion: 45 Resp: 326984
Ion Ratio Lower Upper
45 100
77 13.2 0.0 34.0
79 10.1 0.0 30.8

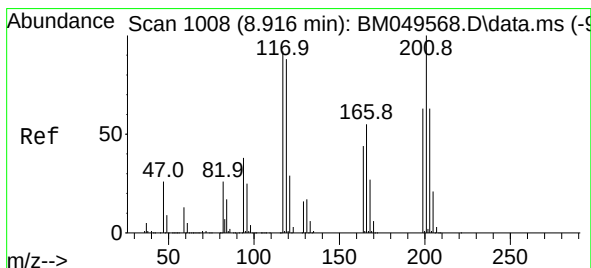
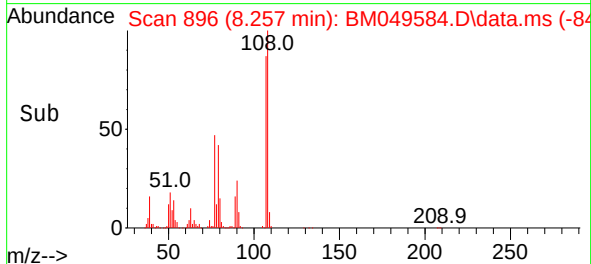
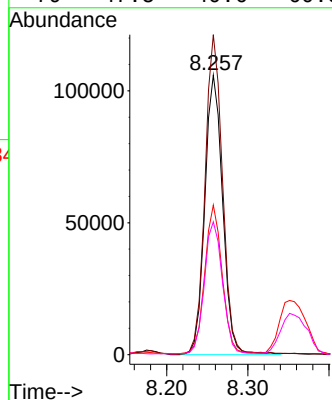
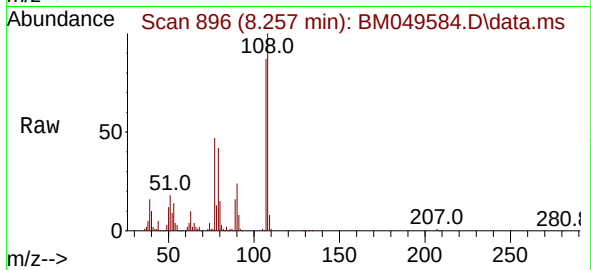




#17
2-Methylphenol
Concen: 16.686 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

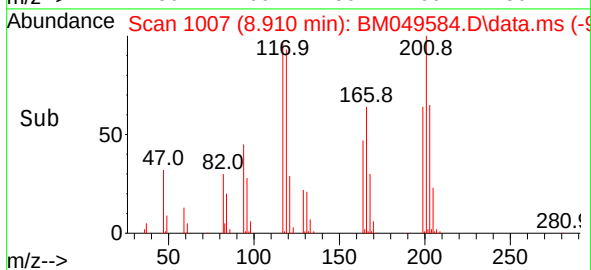
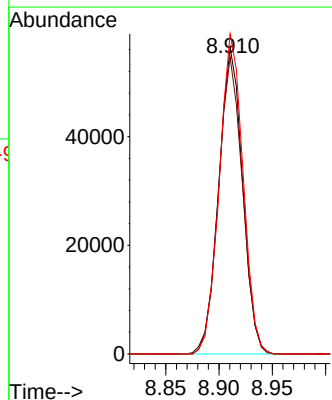
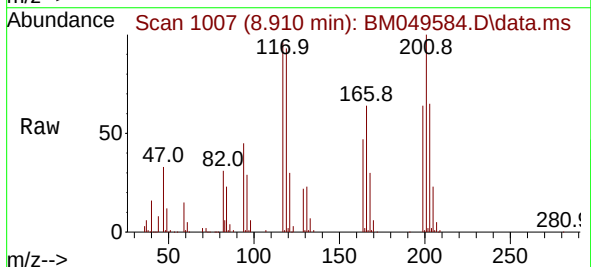
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

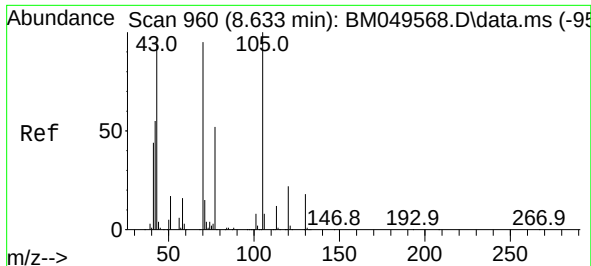
Tgt Ion:	107	Resp:	161589
Ion	Ratio	Lower	Upper
107	100		
108	114.5	92.2	138.4
77	53.5	41.3	61.9
79	47.5	40.6	60.8



#18
Hexachloroethane
Concen: 16.713 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:	117	Resp:	87837
Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.8	115.2
201	104.4	87.0	130.6





#19

n-Nitroso-di-n-propylamine

Concen: 16.487 ng

RT: 8.628 min Scan# 91

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion: 70 Resp: 173598

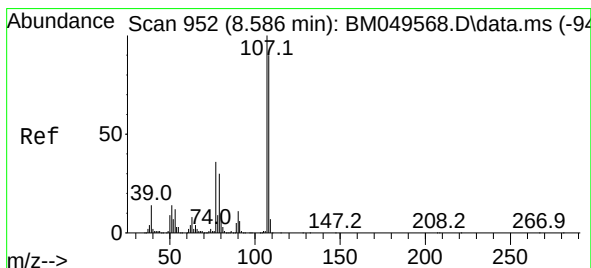
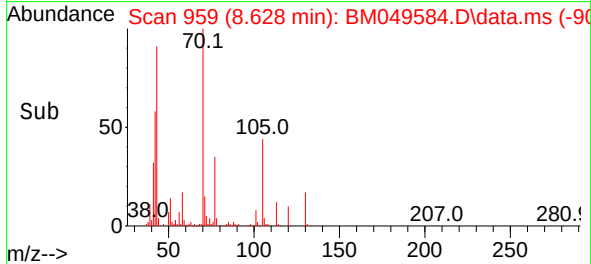
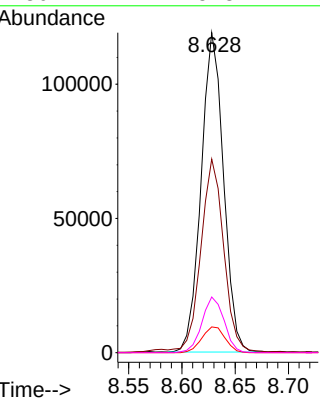
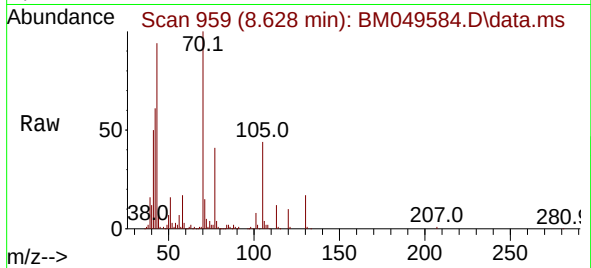
Ion Ratio Lower Upper

70 100

42 60.5 47.4 71.2

101 8.1 7.1 10.7

130 17.4 15.3 22.9



#20

3+4-Methylphenols

Concen: 16.077 ng

RT: 8.581 min Scan# 951

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Tgt Ion: 107 Resp: 205525

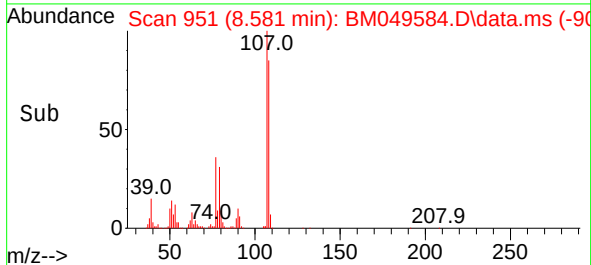
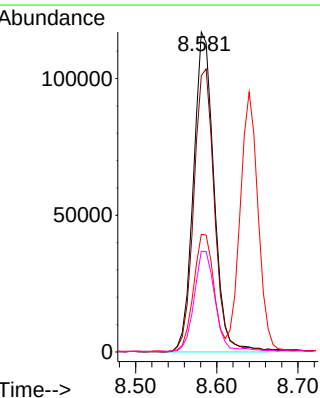
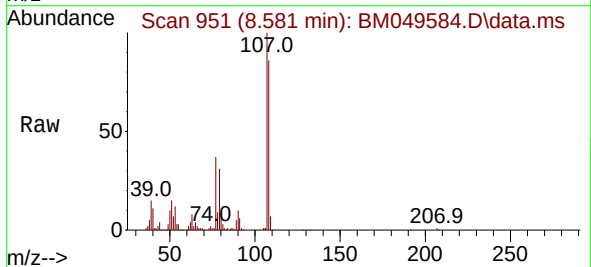
Ion Ratio Lower Upper

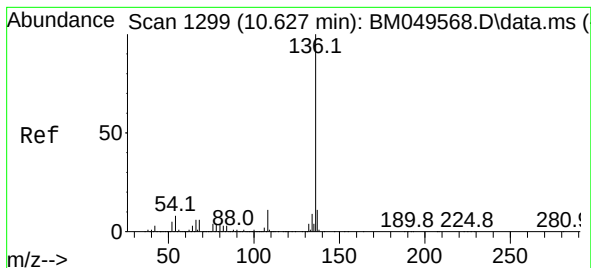
107 100

108 86.3 69.6 109.6

77 36.8 16.0 56.0

79 31.4 10.5 50.5

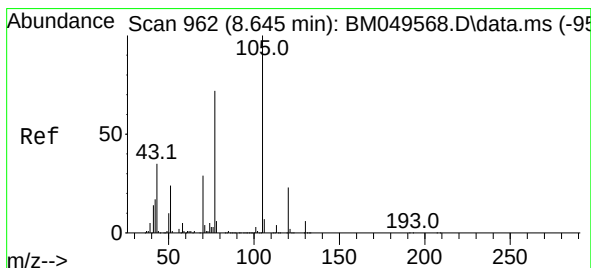
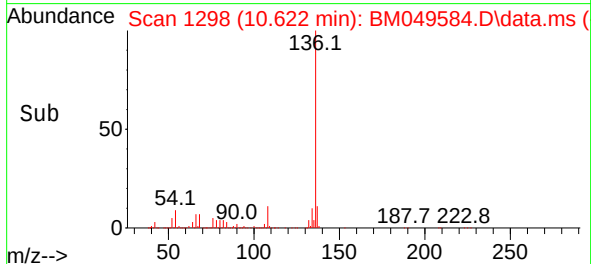
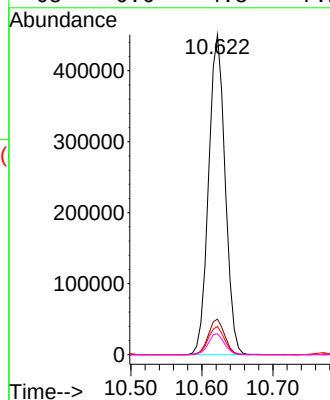
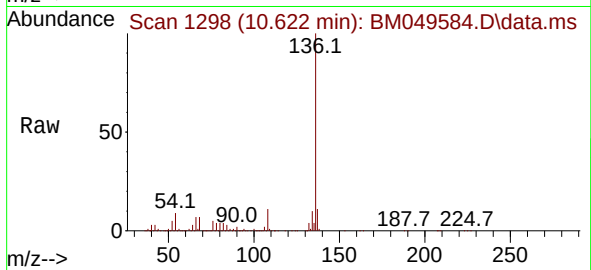




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

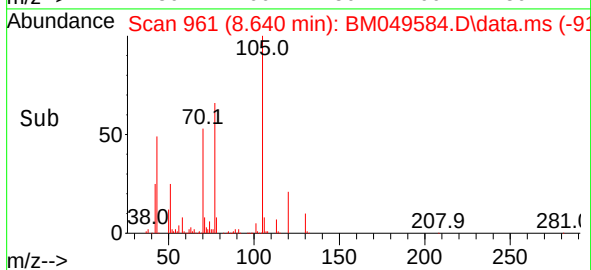
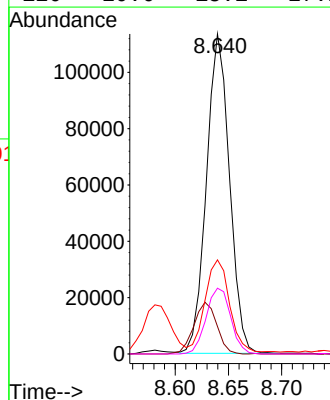
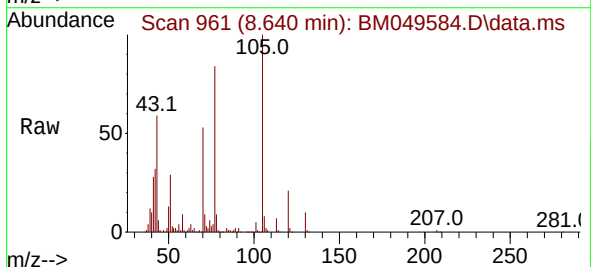
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

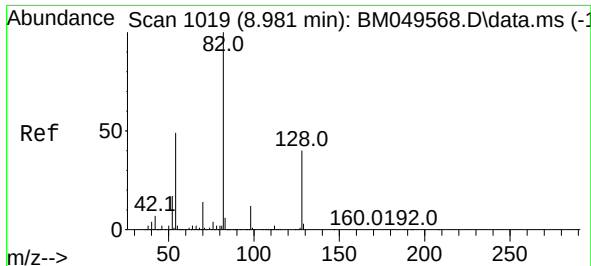
Tgt Ion:	136	Resp:	728612
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.8	6.6	10.0
68	6.6	4.8	7.2



#22
Acetophenone
Concen: 8.712 ng
RT: 8.640 min Scan# 961
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:	105	Resp:	170962
Ion	Ratio	Lower	Upper
105	100		
71	8.6	3.5	5.3#
51	29.4	21.7	32.5
120	20.6	18.1	27.1

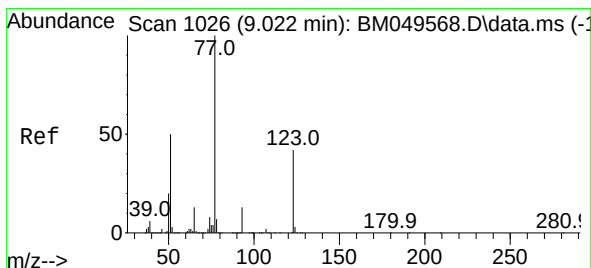
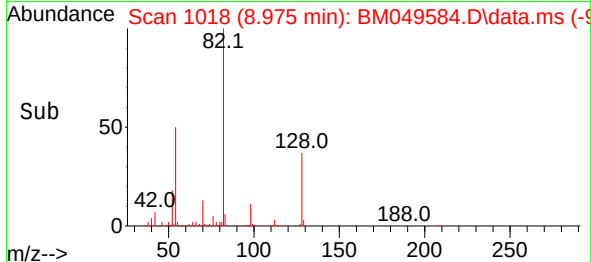
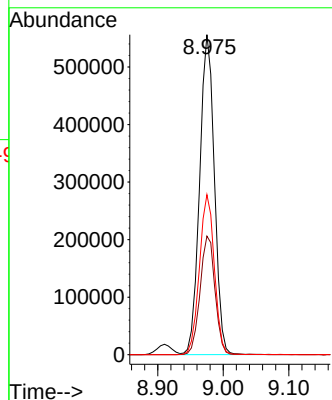
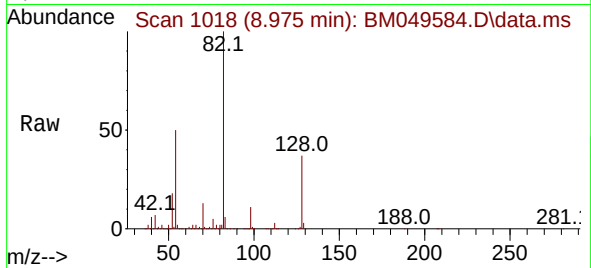




#23
Nitrobenzene-d5
Concen: 61.539 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

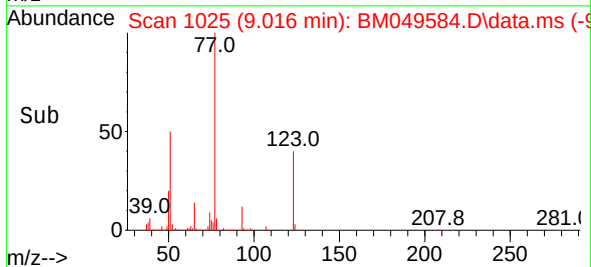
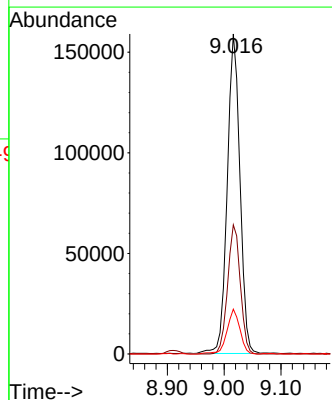
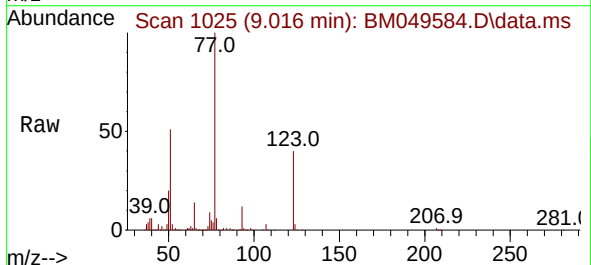
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

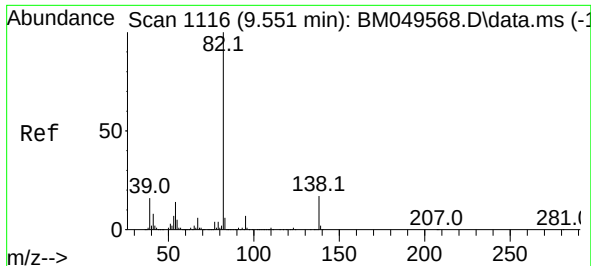
Tgt Ion: 82 Resp: 871704
Ion Ratio Lower Upper
82 100
128 37.1 31.6 47.4
54 50.0 39.4 59.0



#24
Nitrobenzene
Concen: 17.950 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion: 77 Resp: 247039
Ion Ratio Lower Upper
77 100
123 40.3 33.4 50.2
65 14.0 10.5 15.7

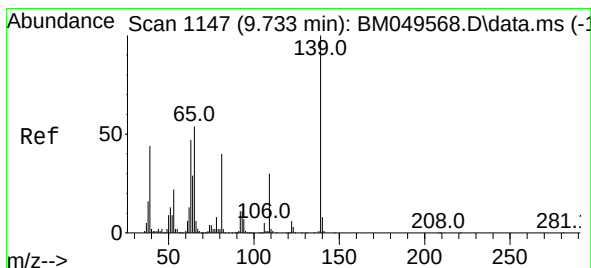
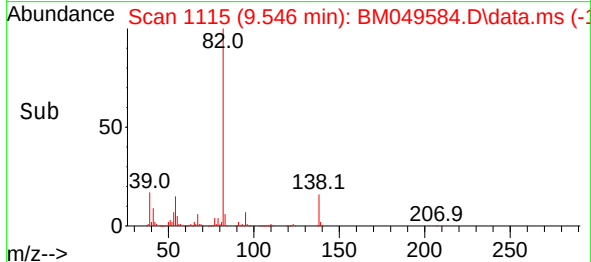
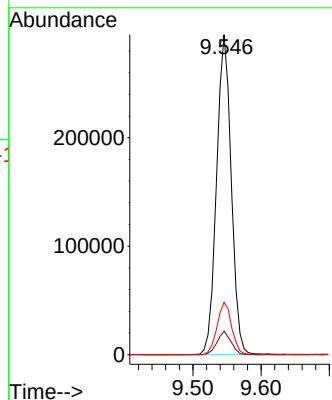
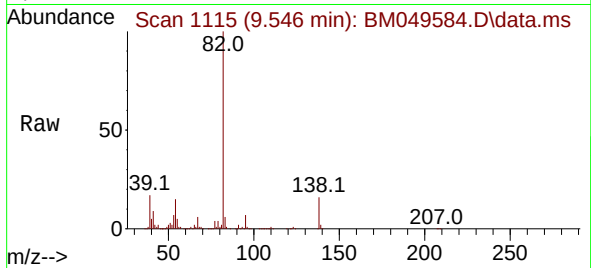




#25
Isophorone
Concen: 17.344 ng
RT: 9.546 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

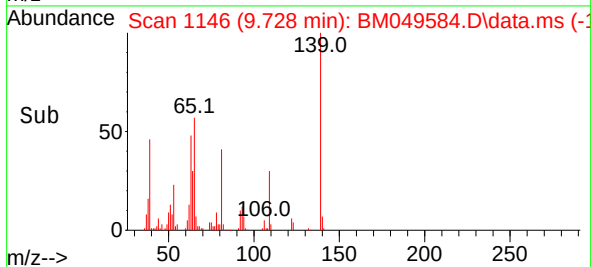
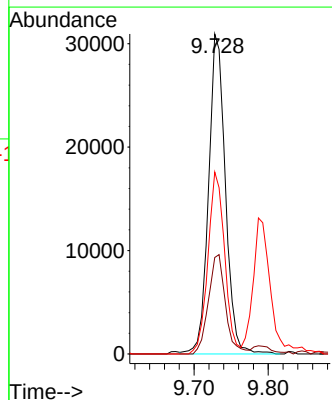
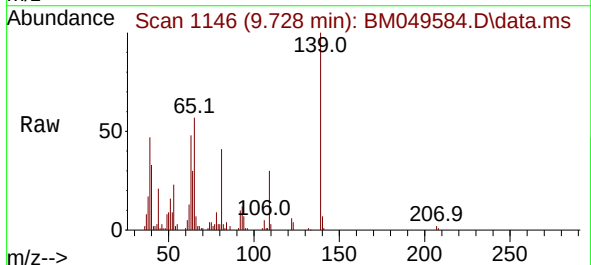
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

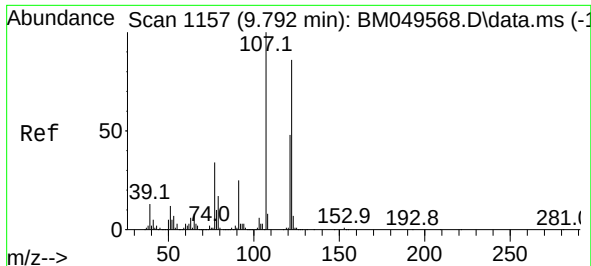
Tgt Ion: 82 Resp: 443078
Ion Ratio Lower Upper
82 100
95 7.3 5.5 8.3
138 16.3 13.6 20.4



#26
2-Nitrophenol
Concen: 13.653 ng
RT: 9.728 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:139 Resp: 48815
Ion Ratio Lower Upper
139 100
109 30.1 24.2 36.2
65 56.9 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 19.699 ng

RT: 9.793 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BM049584.D

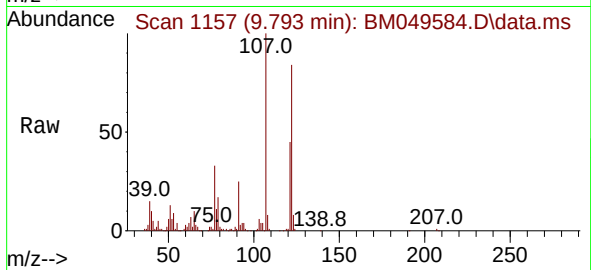
Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



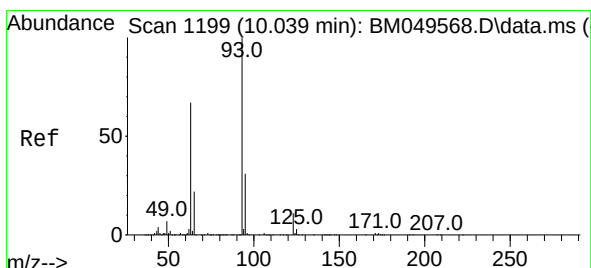
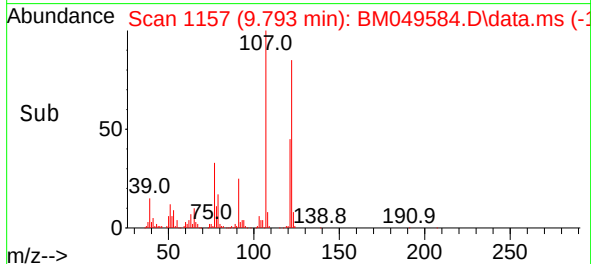
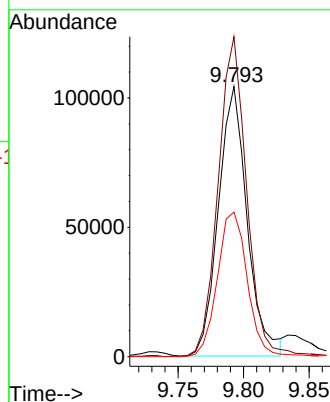
Tgt Ion:122 Resp: 159122

Ion Ratio Lower Upper

122 100

107 118.5 93.2 139.8

121 53.5 44.4 66.6



#28

bis(2-Chloroethoxy)methane

Concen: 16.532 ng

RT: 10.034 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

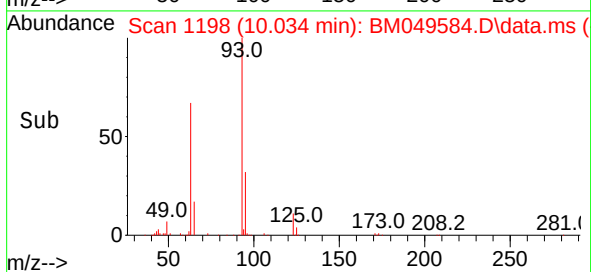
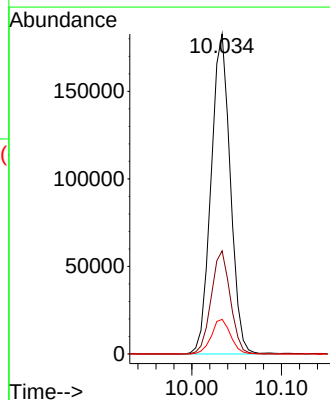
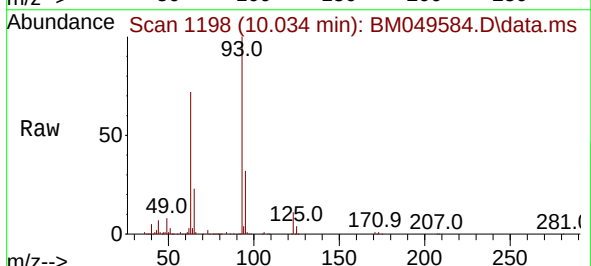
Tgt Ion: 93 Resp: 272008

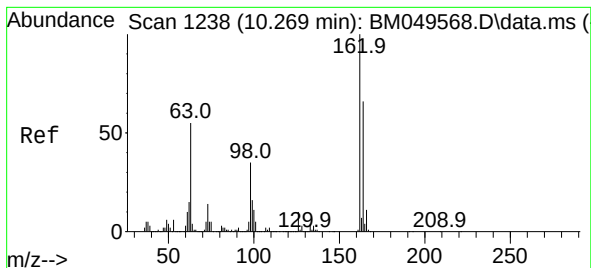
Ion Ratio Lower Upper

93 100

95 32.2 25.2 37.8

123 10.8 8.6 12.8

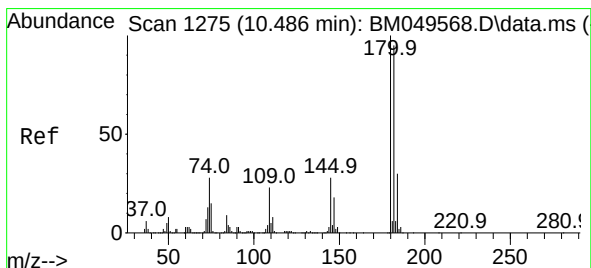
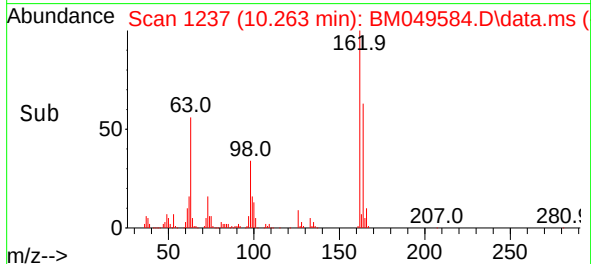
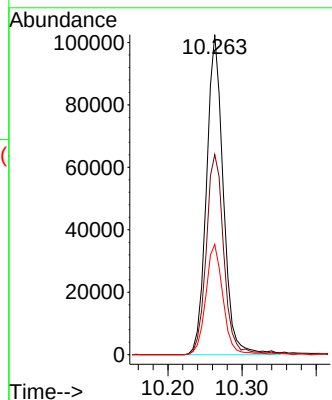
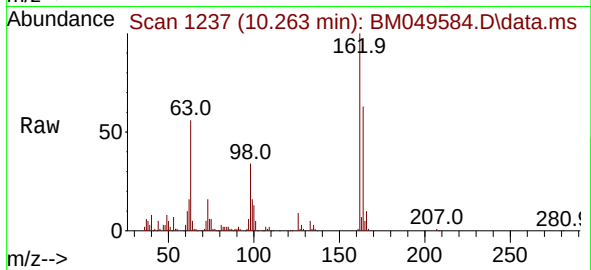




#29
2,4-Dichlorophenol
Concen: 14.565 ng
RT: 10.263 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

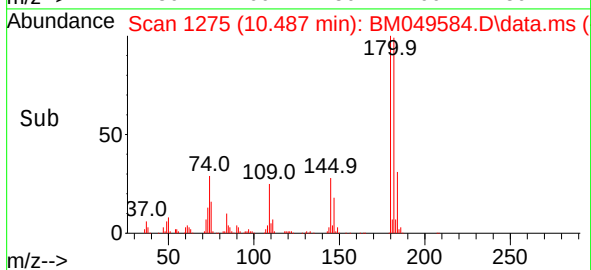
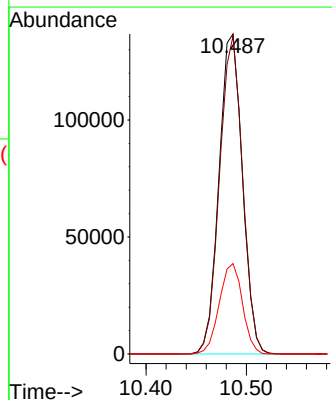
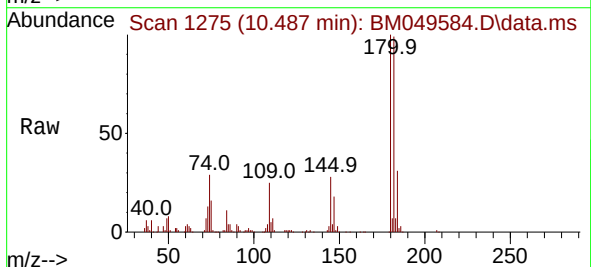
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

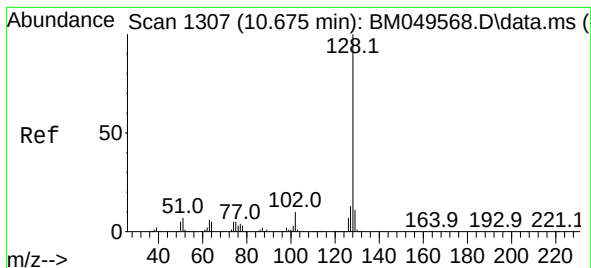
Tgt Ion:162 Resp: 162022
Ion Ratio Lower Upper
162 100
164 62.6 46.0 86.0
98 34.4 14.7 54.7



#30
1,2,4-Trichlorobenzene
Concen: 16.244 ng
RT: 10.487 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:180 Resp: 221378
Ion Ratio Lower Upper
180 100
182 99.3 76.4 114.6
145 28.3 22.5 33.7





#31

Naphthalene

Concen: 16.167 ng

RT: 10.669 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

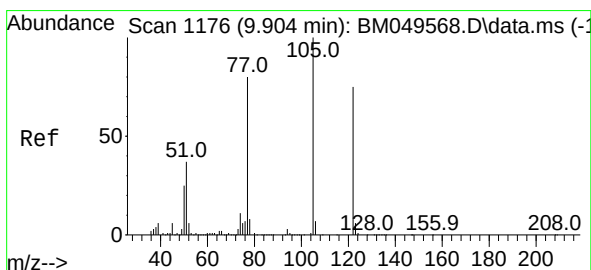
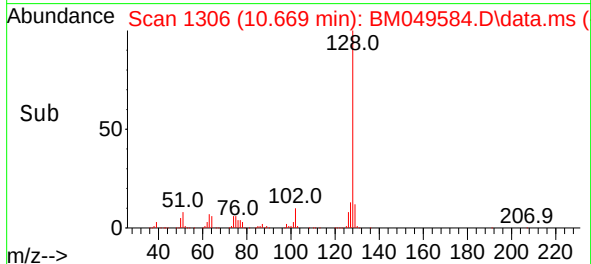
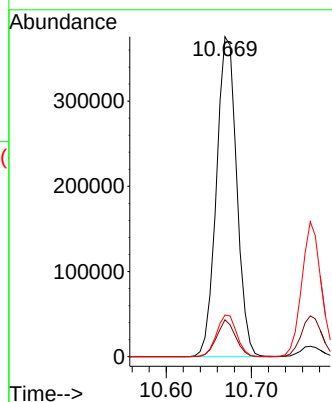
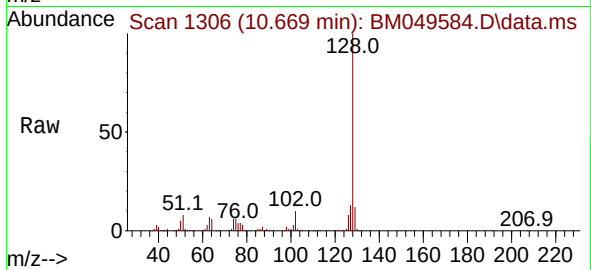
Tgt Ion:128 Resp: 621268

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.4

127 13.0 10.6 15.8



#32

Benzoic acid

Concen: 36.198 ng

RT: 9.793 min Scan# 1157

Delta R.T. -0.111 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

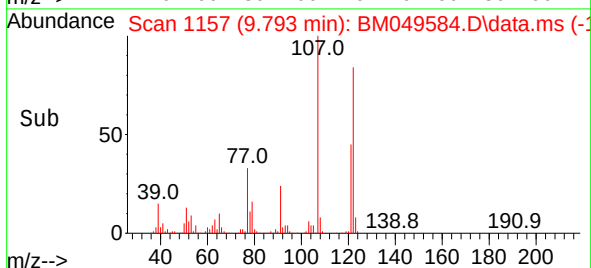
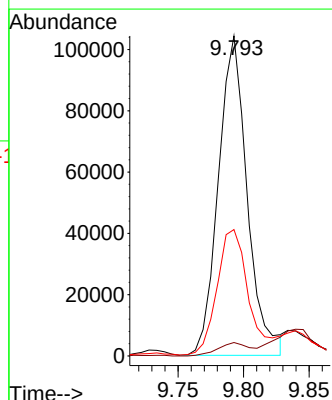
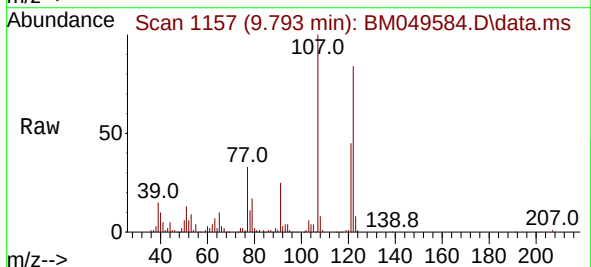
Tgt Ion:122 Resp: 159122

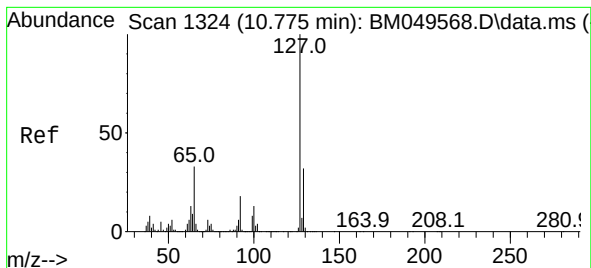
Ion Ratio Lower Upper

122 100

105 4.2 103.6 143.6#

77 39.5 82.4 122.4#





#33

4-Chloroaniline

Concen: 17.552 ng

RT: 10.769 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:127 Resp: 252461

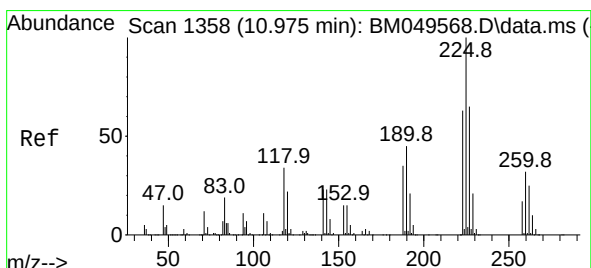
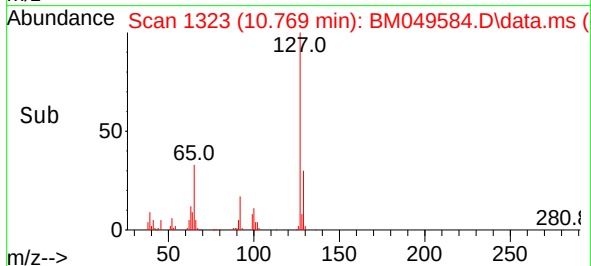
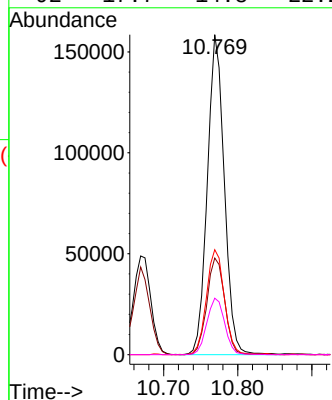
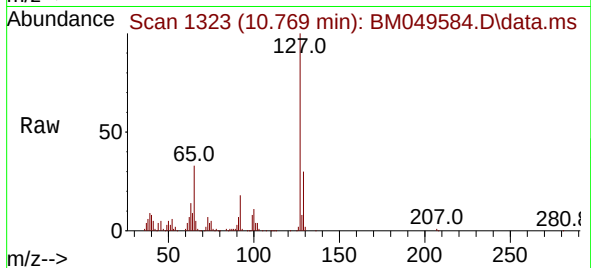
Ion Ratio Lower Upper

127 100

129 30.2 25.8 38.8

65 32.8 26.4 39.6

92 17.7 14.8 22.2



#34

Hexachlorobutadiene

Concen: 16.810 ng

RT: 10.969 min Scan# 1357

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

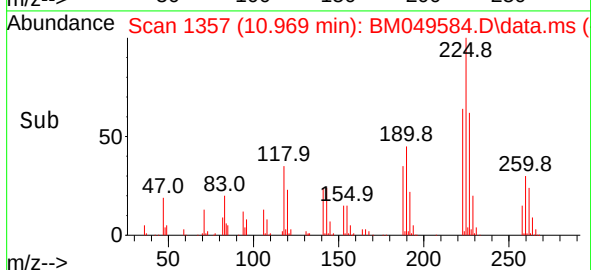
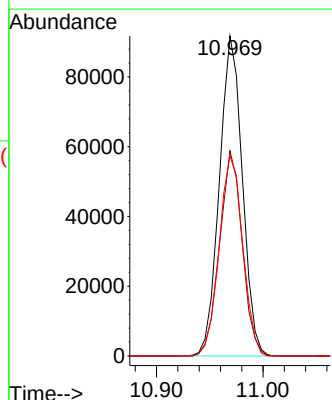
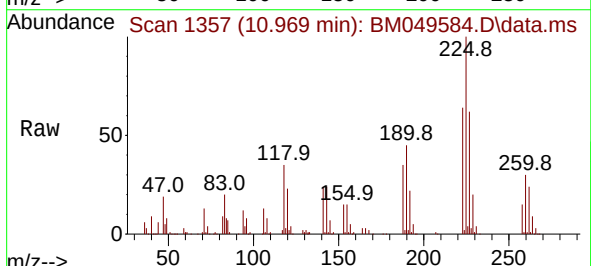
Tgt Ion:225 Resp: 137195

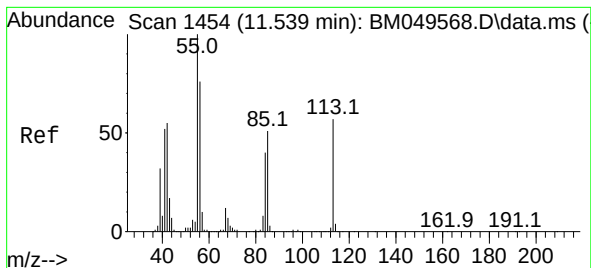
Ion Ratio Lower Upper

225 100

223 64.1 50.6 75.8

227 62.5 51.8 77.6





#35

Caprolactam

Concen: 6.124 ng

RT: 11.516 min Scan# 1450

Delta R.T. -0.023 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

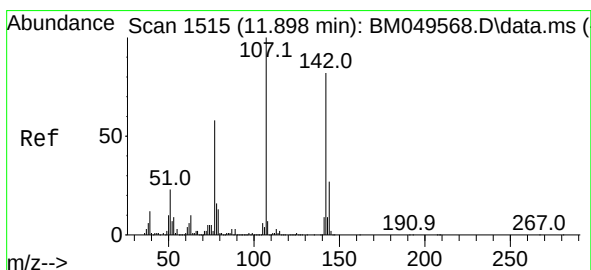
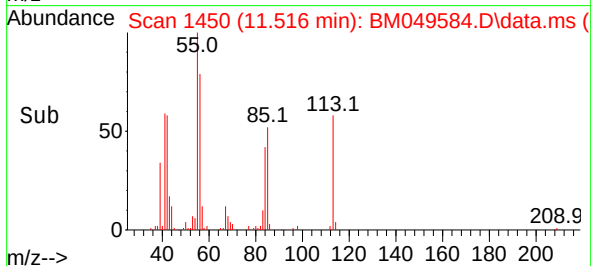
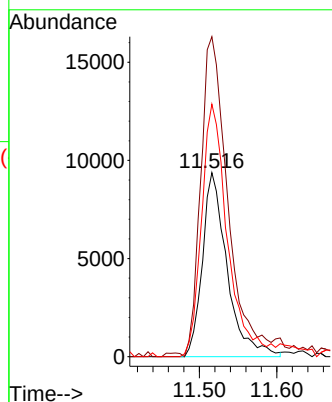
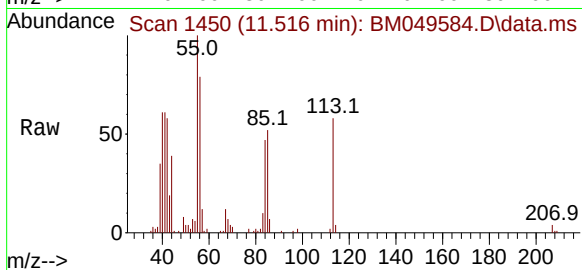
Tgt Ion:113 Resp: 20781

Ion Ratio Lower Upper

113 100

55 173.9 157.5 197.5

56 137.3 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 14.238 ng

RT: 11.892 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

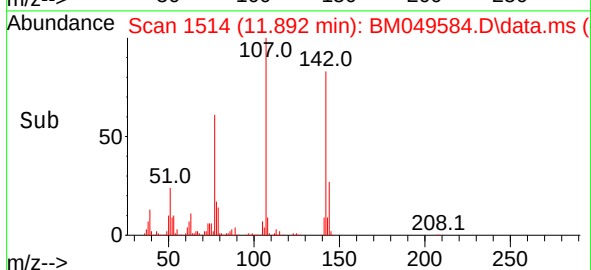
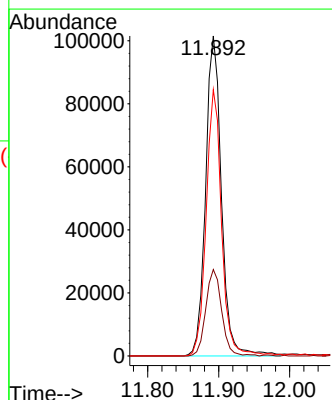
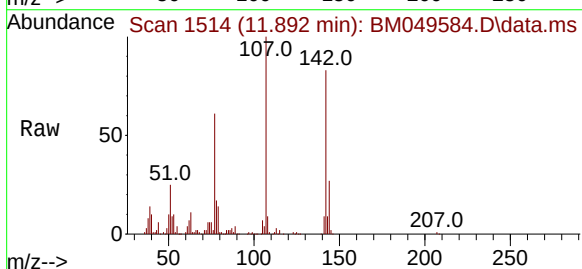
Tgt Ion:107 Resp: 157955

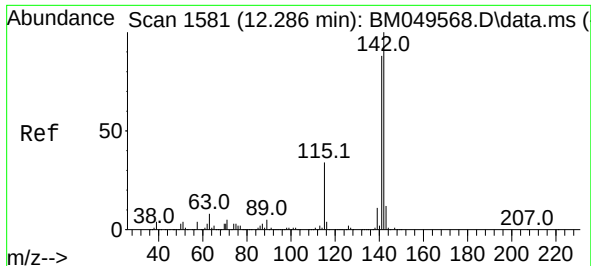
Ion Ratio Lower Upper

107 100

144 27.0 21.2 31.8

142 83.2 65.4 98.2

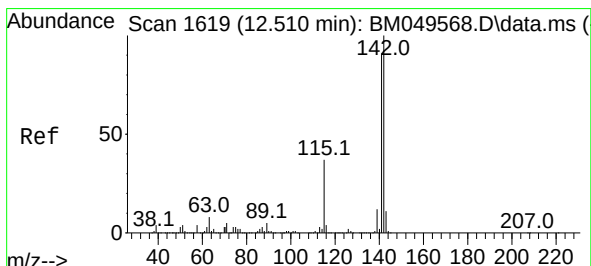
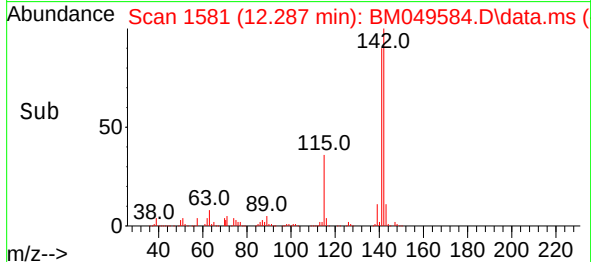
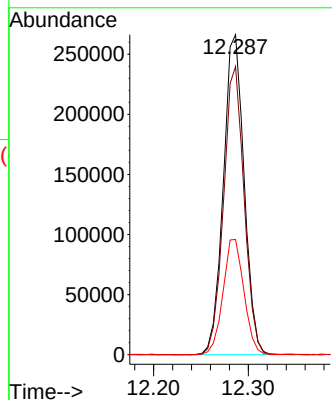
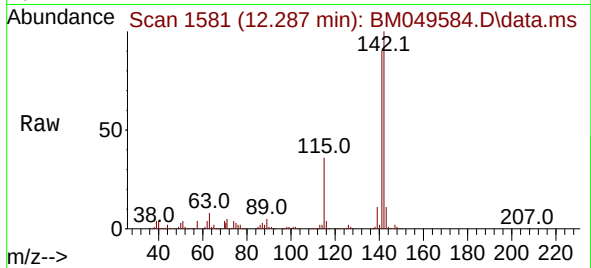




#37
2-Methylnaphthalene
Concen: 15.018 ng
RT: 12.287 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

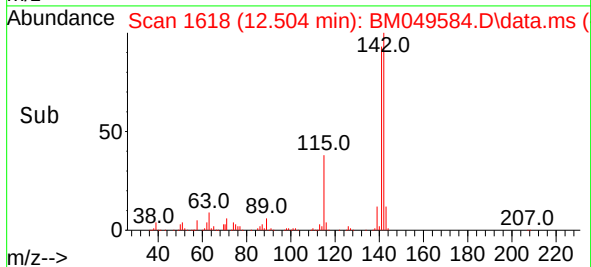
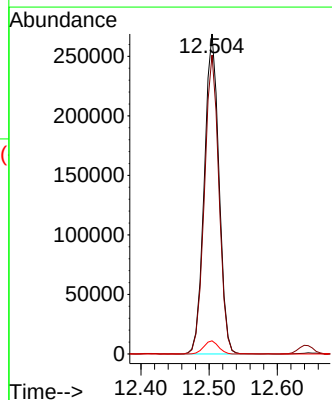
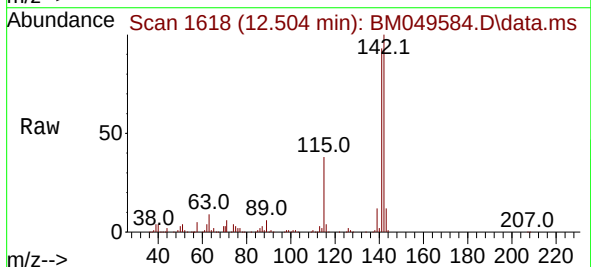
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

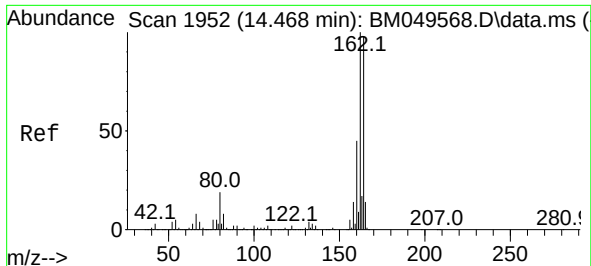
Tgt Ion:142 Resp: 406315
Ion Ratio Lower Upper
142 100
141 90.1 70.2 105.4
115 36.0 27.5 41.3



#38
1-Methylnaphthalene
Concen: 15.246 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:142 Resp: 401340
Ion Ratio Lower Upper
142 100
141 93.4 73.1 109.7
116 4.1 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

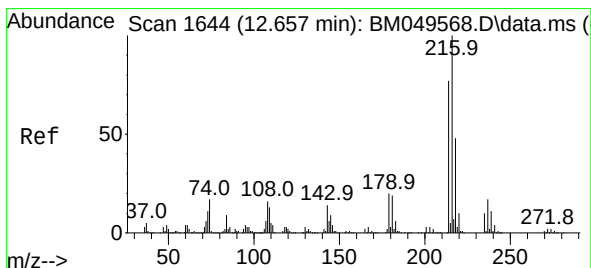
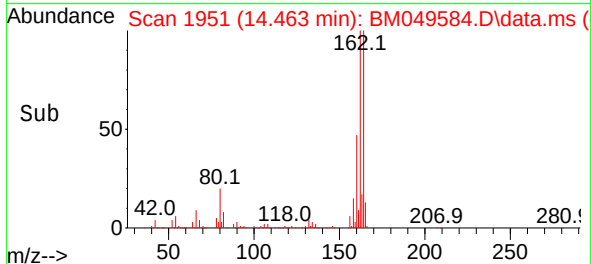
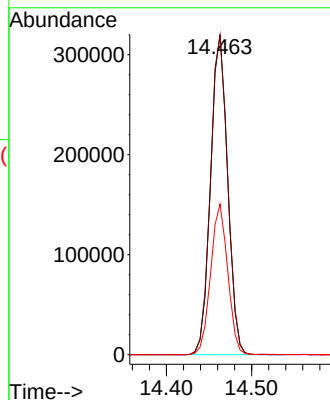
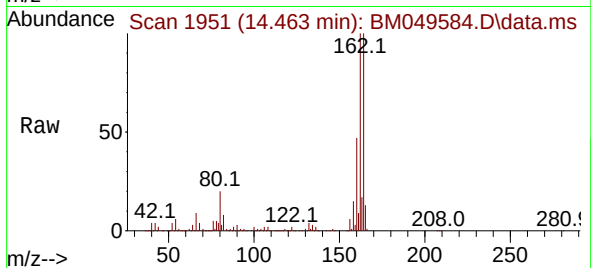
Tgt Ion:164 Resp: 446218

Ion Ratio Lower Upper

164 100

162 99.9 81.4 122.0

160 47.1 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.478 ng

RT: 12.651 min Scan# 1643

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Tgt Ion:216 Resp: 124374

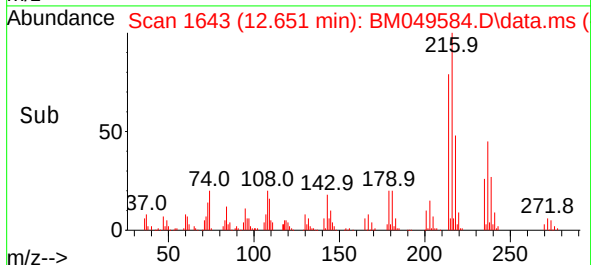
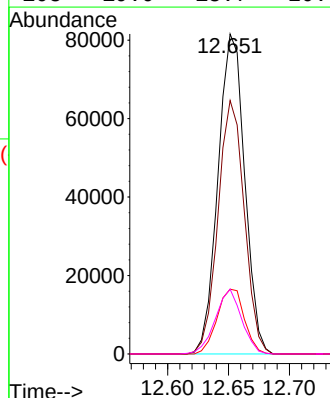
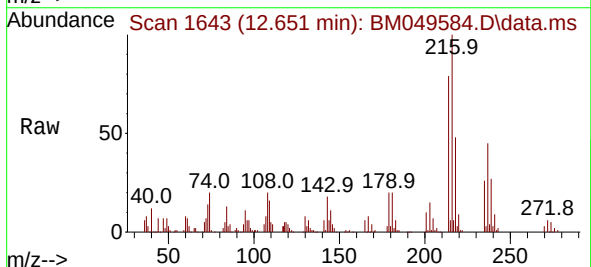
Ion Ratio Lower Upper

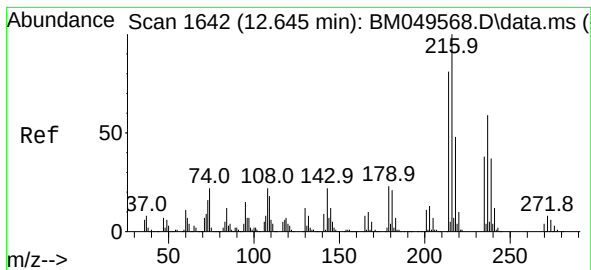
216 100

214 77.9 62.4 93.6

179 20.7 16.3 24.5

108 19.9 13.7 20.5

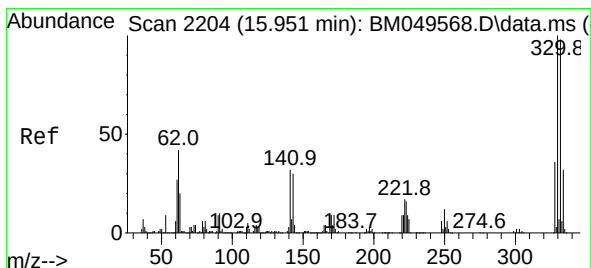
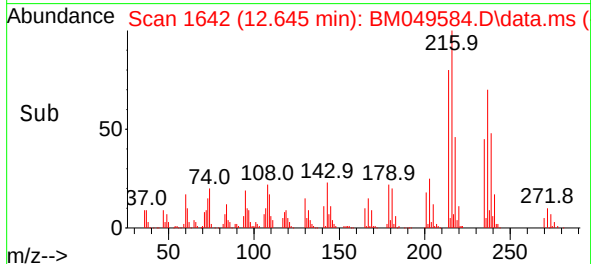
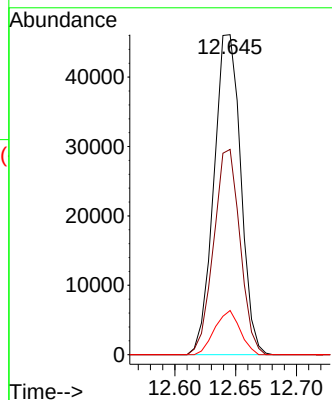
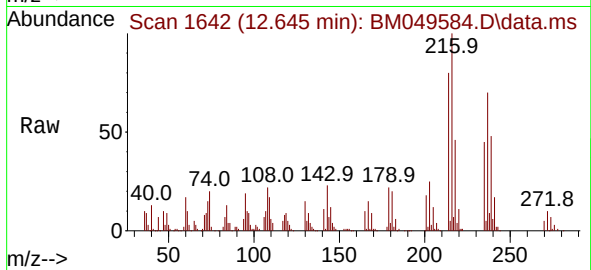




#41
Hexachlorocyclopentadiene
Concen: 18.888 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

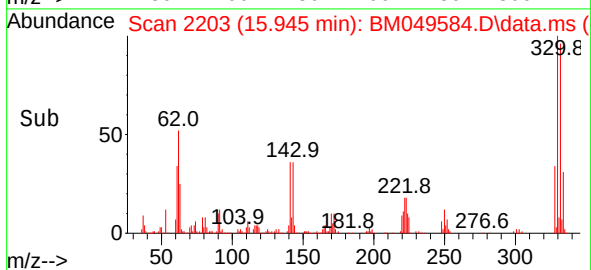
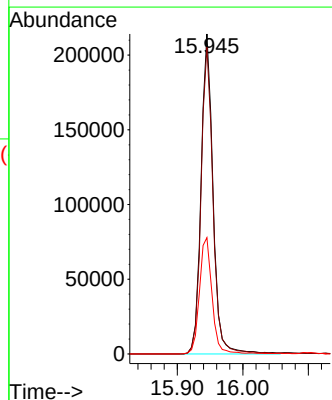
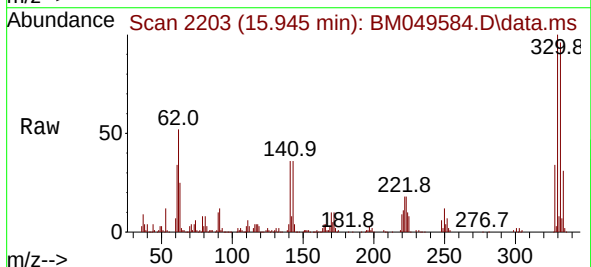
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

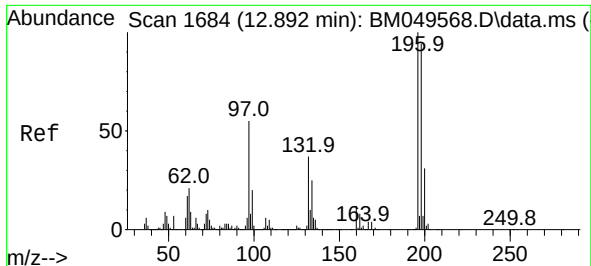
Tgt Ion:237 Resp: 70739
Ion Ratio Lower Upper
237 100
235 64.1 43.8 83.8
272 13.8 0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 51.622 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:330 Resp: 272944
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 38.4 28.2 42.2





#43

2,4,6-Trichlorophenol

Concen: 13.629 ng

RT: 12.887 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

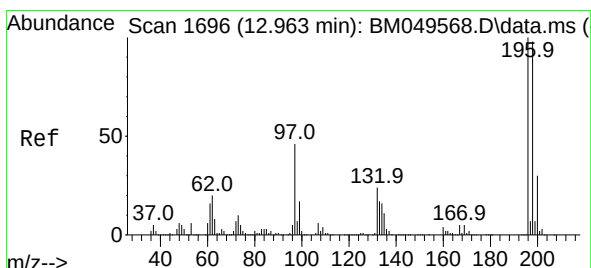
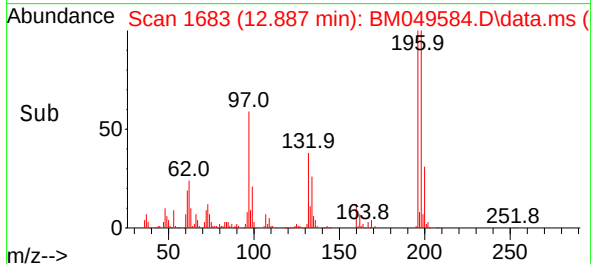
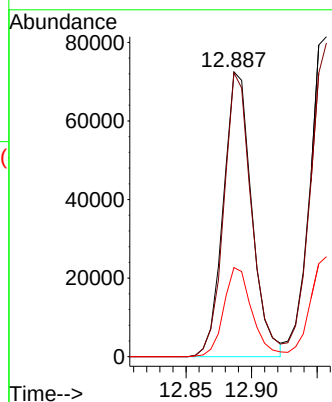
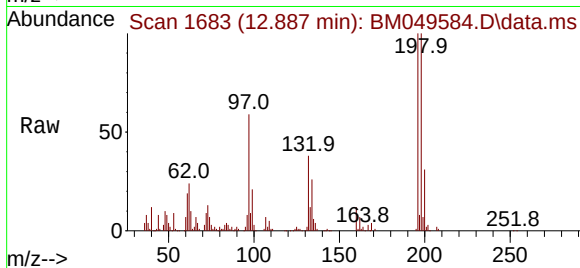
Tgt Ion:196 Resp: 109111

Ion Ratio Lower Upper

196 100

198 99.7 75.4 113.0

200 31.3 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 14.635 ng

RT: 12.957 min Scan# 1695

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Tgt Ion:196 Resp: 128761

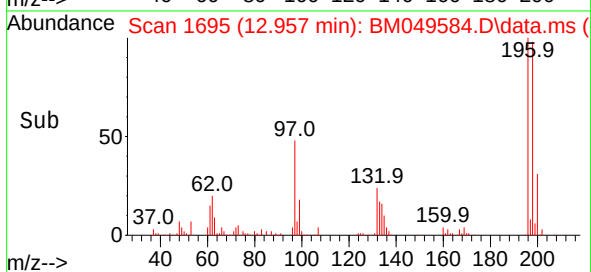
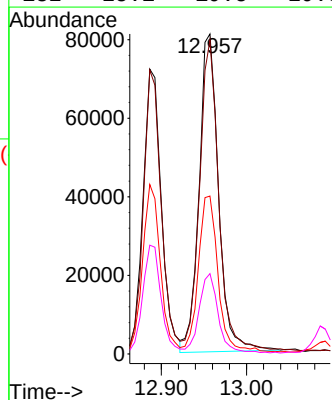
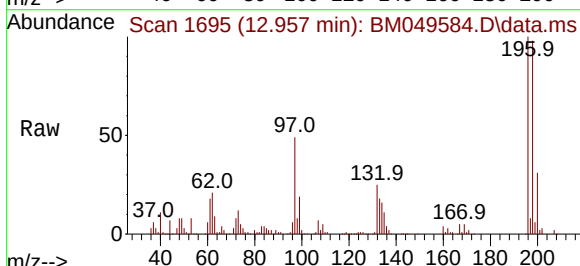
Ion Ratio Lower Upper

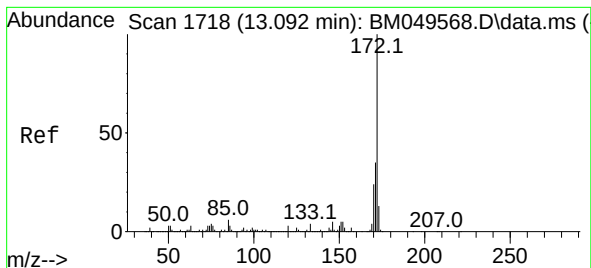
196 100

198 98.1 78.4 117.6

97 49.4 37.4 56.0

132 25.1 19.5 29.3





#45

2-Fluorobiphenyl

Concen: 58.122 ng

RT: 13.086 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

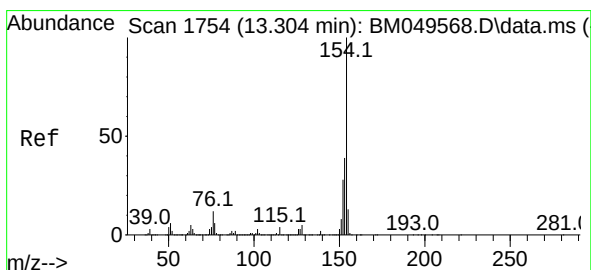
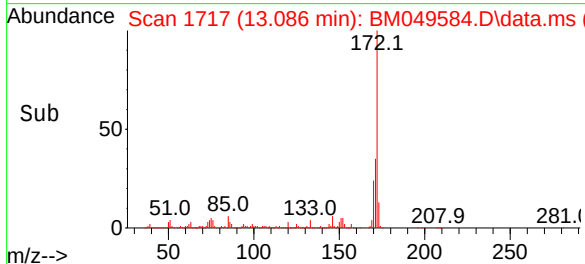
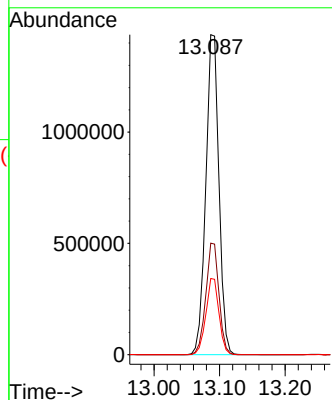
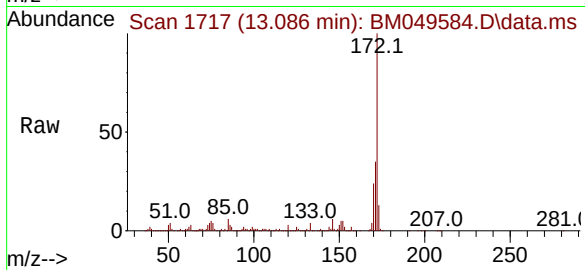
Tgt Ion:172 Resp: 2002013

Ion Ratio Lower Upper

172 100

171 34.9 28.0 42.0

170 23.8 19.0 28.4



#46

1,1'-Biphenyl

Concen: 8.318 ng

RT: 13.298 min Scan# 1753

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

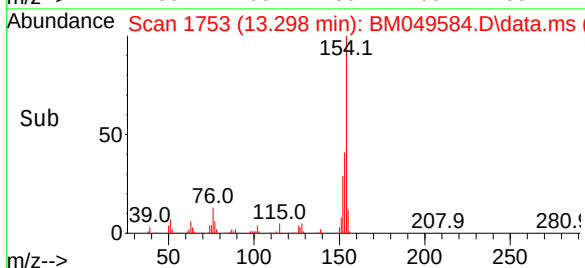
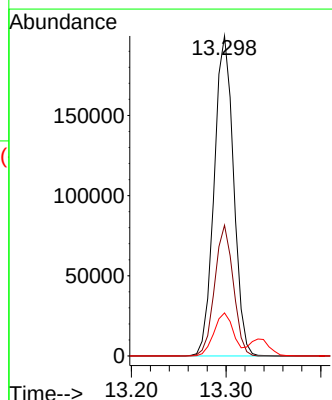
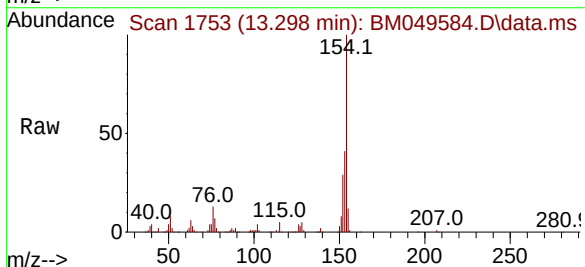
Tgt Ion:154 Resp: 283152

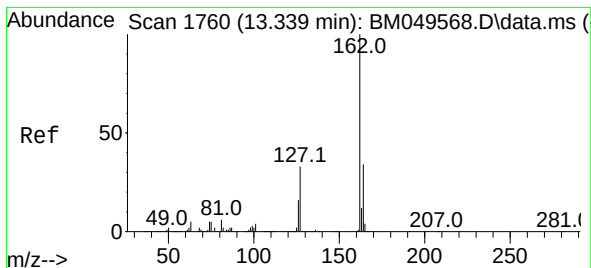
Ion Ratio Lower Upper

154 100

153 40.8 19.5 59.5

76 13.4 0.0 32.1





#47

2-Chloronaphthalene

Concen: 16.844 ng

RT: 13.334 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

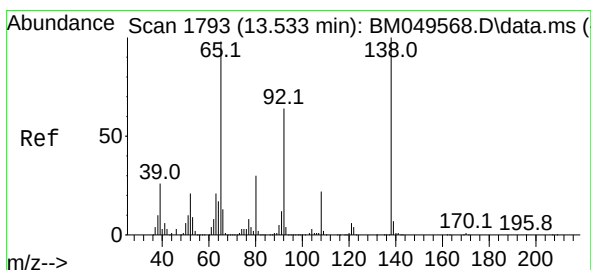
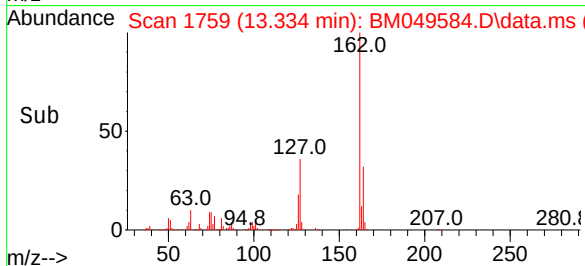
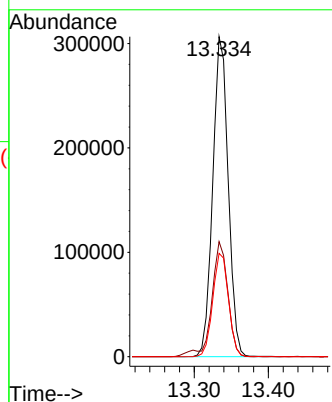
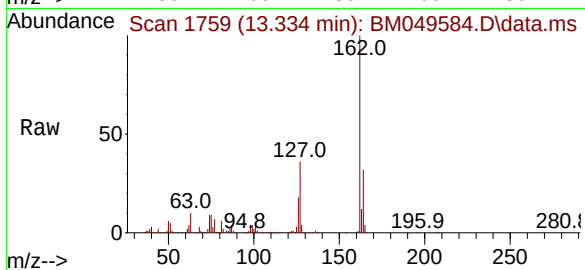
Tgt Ion:162 Resp: 443625

Ion Ratio Lower Upper

162 100

127 36.0 27.9 41.9

164 32.3 26.8 40.2



#48

2-Nitroaniline

Concen: 15.629 ng

RT: 13.528 min Scan# 1792

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

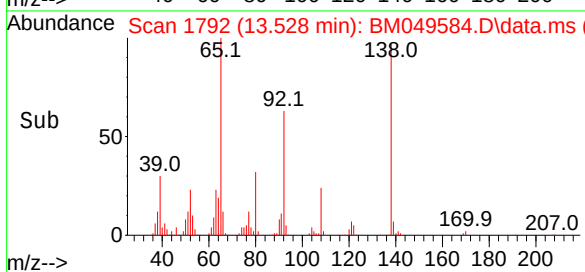
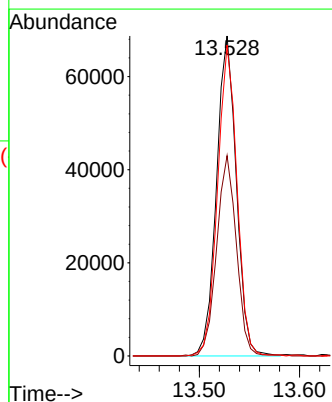
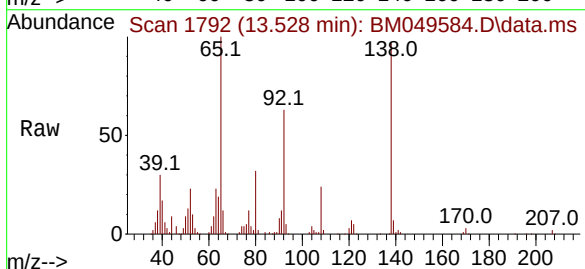
Tgt Ion: 65 Resp: 94451

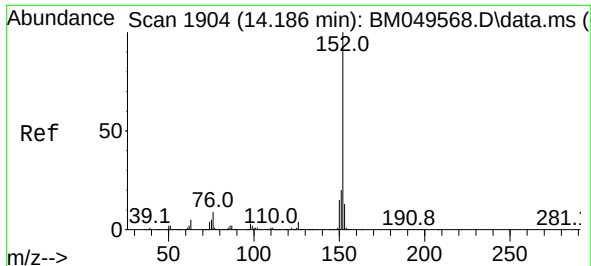
Ion Ratio Lower Upper

65 100

92 62.6 52.0 78.0

138 97.2 81.6 122.4





#49

Acenaphthylene

Concen: 17.485 ng

RT: 14.181 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

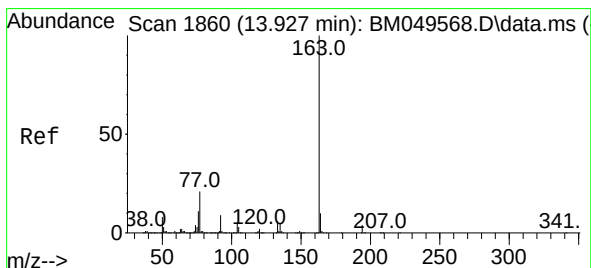
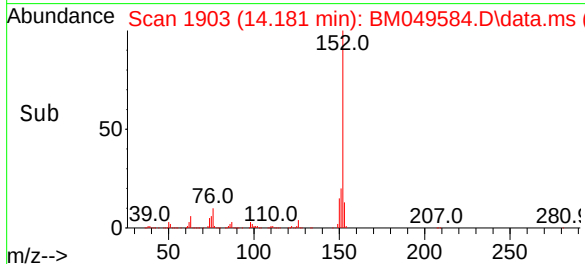
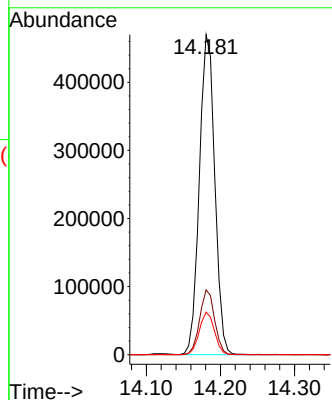
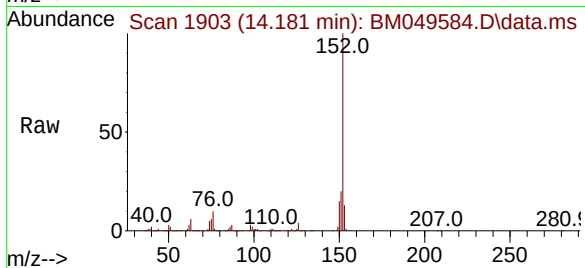
Tgt Ion:152 Resp: 679036

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 15.525 ng

RT: 13.922 min Scan# 1859

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

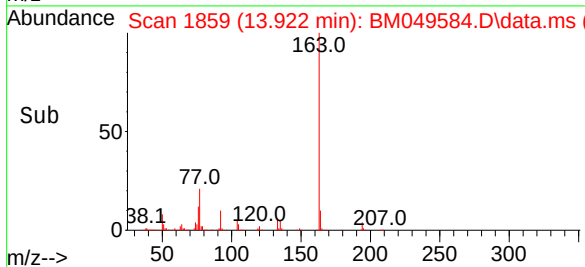
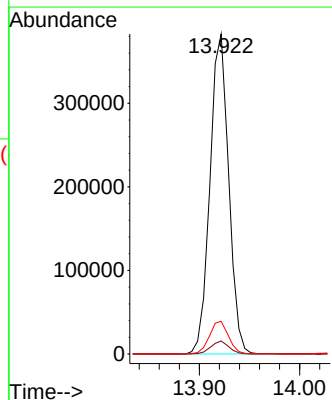
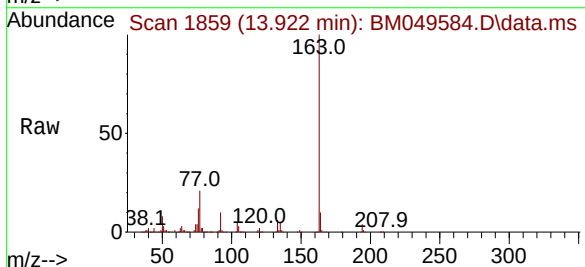
Tgt Ion:163 Resp: 497489

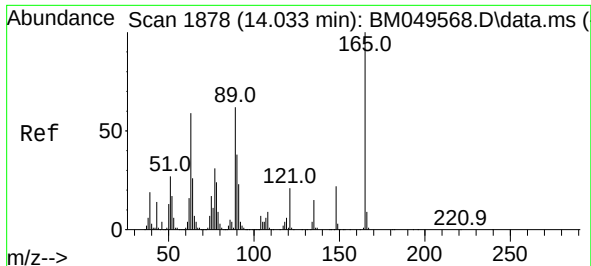
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.2 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 15.817 ng

RT: 14.028 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

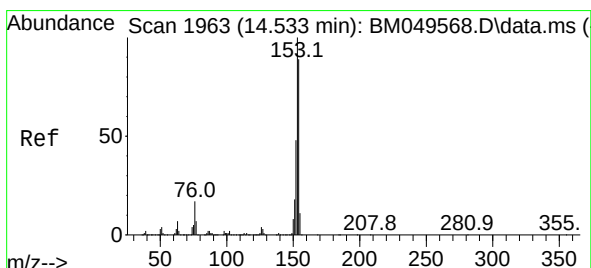
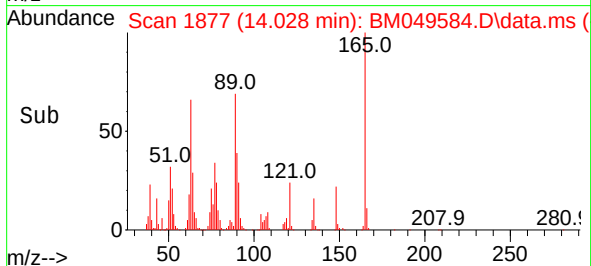
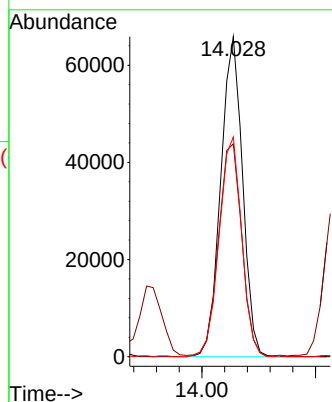
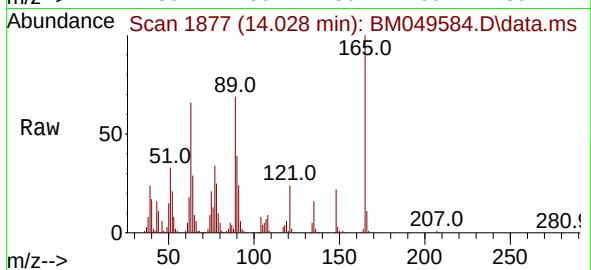
Tgt Ion:165 Resp: 87705

Ion Ratio Lower Upper

165 100

63 66.5 47.8 71.6

89 68.7 49.2 73.8



#52

Acenaphthene

Concen: 15.792 ng

RT: 14.528 min Scan# 1962

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

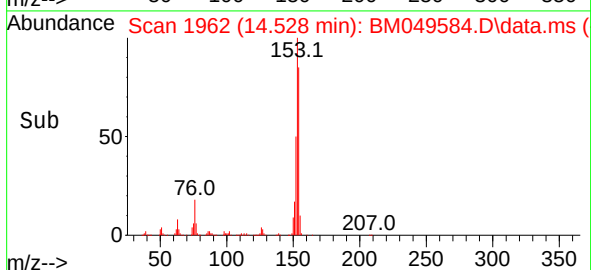
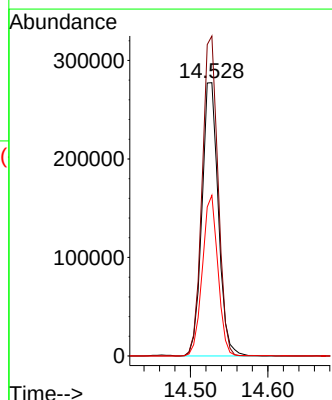
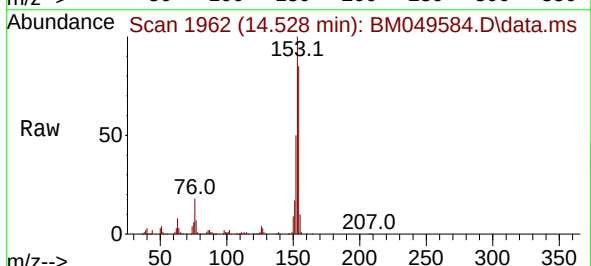
Tgt Ion:154 Resp: 407074

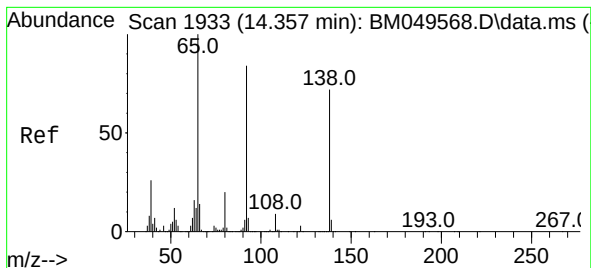
Ion Ratio Lower Upper

154 100

153 117.1 90.0 135.0

152 58.8 43.0 64.4

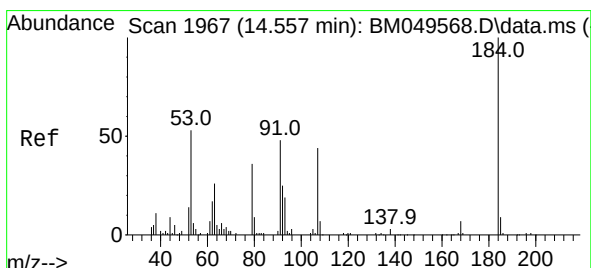
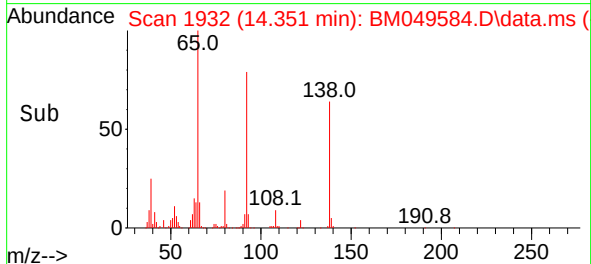
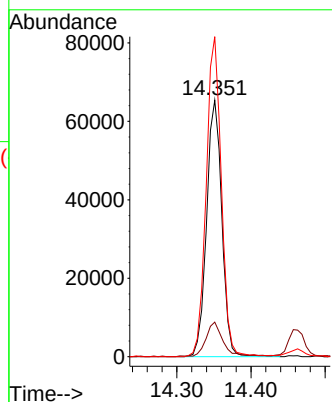
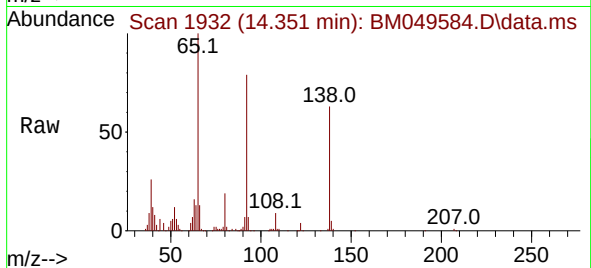




#53
3-Nitroaniline
Concen: 16.553 ng
RT: 14.351 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

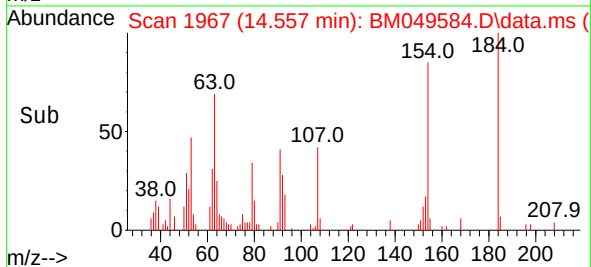
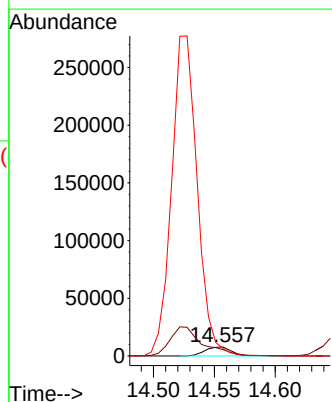
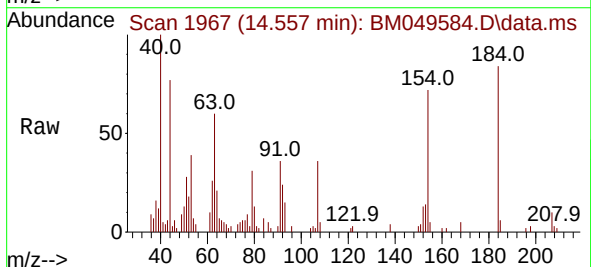
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

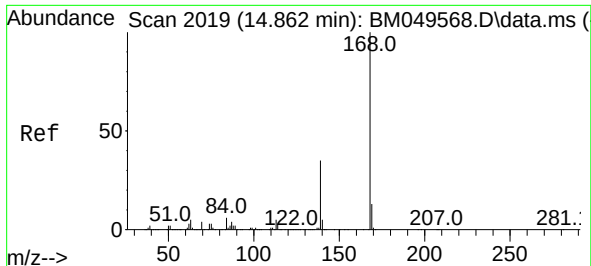
Tgt Ion:138 Resp: 93450
Ion Ratio Lower Upper
138 100
108 13.5 10.3 15.5
92 124.7 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 14.975 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:184 Resp: 11921
Ion Ratio Lower Upper
184 100
63 71.4 60.2 90.4
154 85.0 78.2 117.4

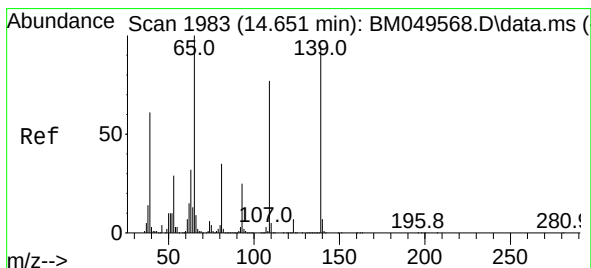
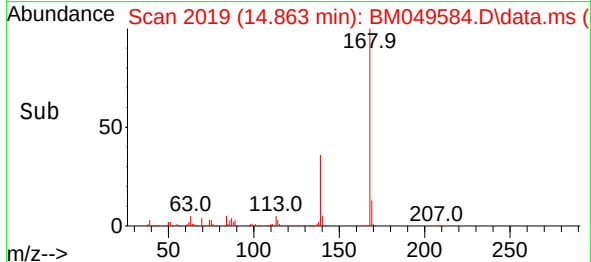
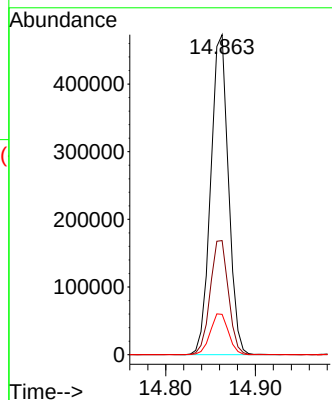
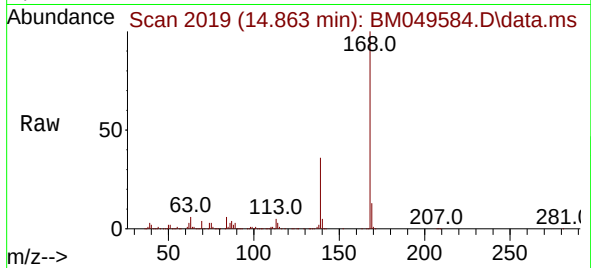




#55
Dibenzofuran
Concen: 15.791 ng
RT: 14.863 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

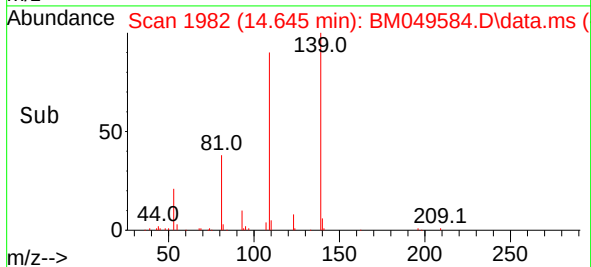
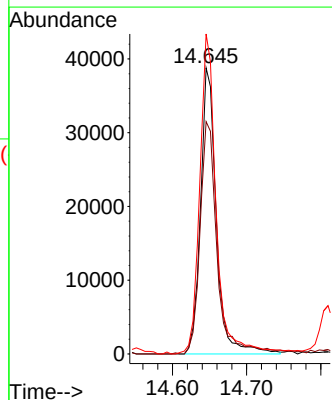
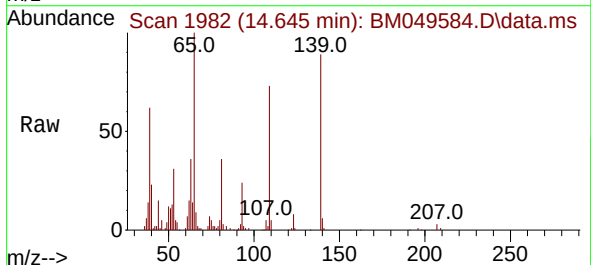
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

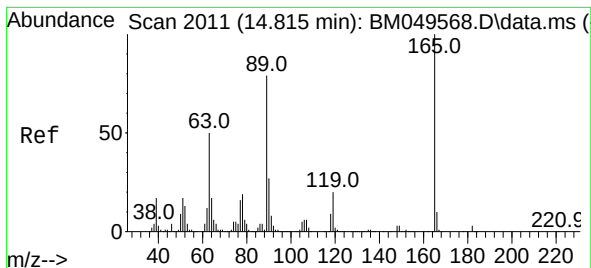
Tgt Ion:168 Resp: 648161
Ion Ratio Lower Upper
168 100
139 35.7 28.4 42.6
169 12.6 10.8 16.2



#56
4-Nitrophenol
Concen: 12.106 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:139 Resp: 57613
Ion Ratio Lower Upper
139 100
109 81.2 61.4 101.4
65 111.8 85.6 125.6

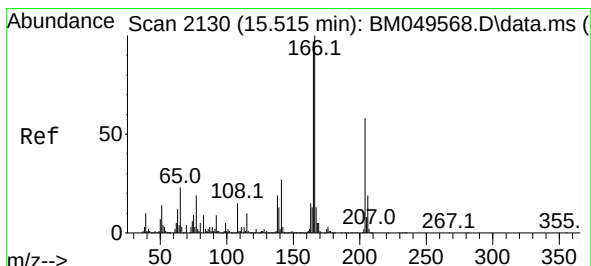
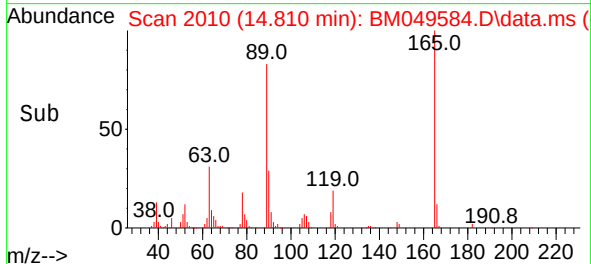
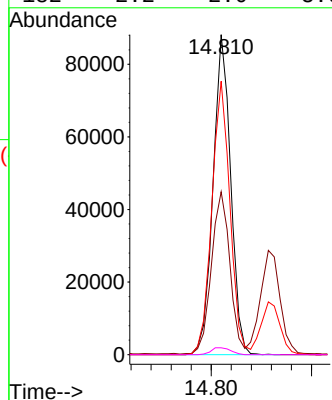
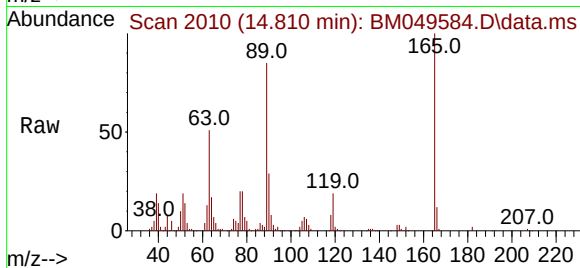




#57
2,4-Dinitrotoluene
Concen: 17.598 ng
RT: 14.810 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

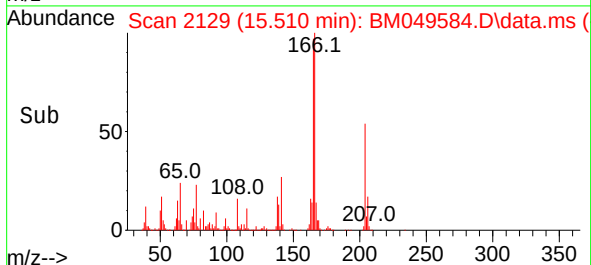
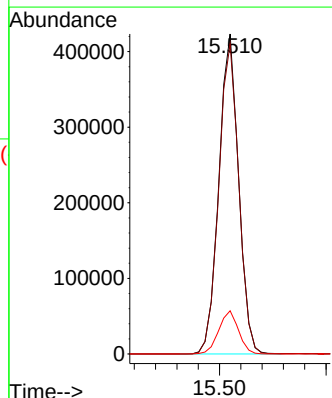
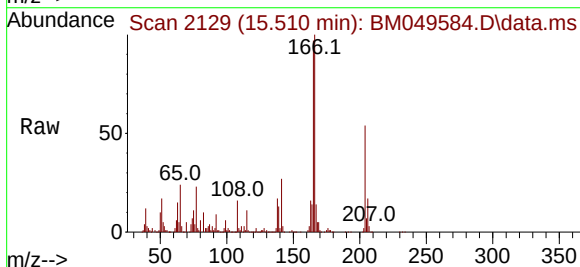
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

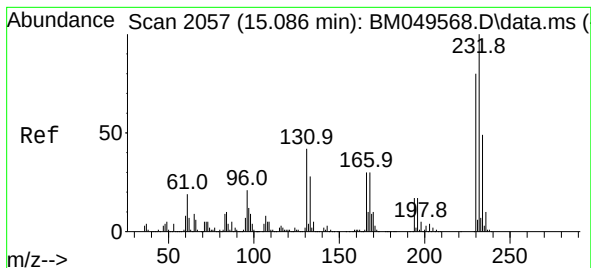
Tgt Ion:	165	Resp:	107685
Ion	Ratio	Lower	Upper
165	100		
63	50.9	39.8	59.6
89	85.5	63.5	95.3
182	2.2	2.0	3.0



#58
Fluorene
Concen: 15.456 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:	166	Resp:	542703
Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.7	116.5
167	13.5	10.7	16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 13.992 ng

RT: 15.080 min Scan# 2056

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:232 Resp: 104004

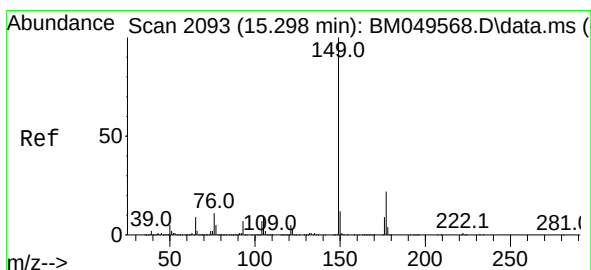
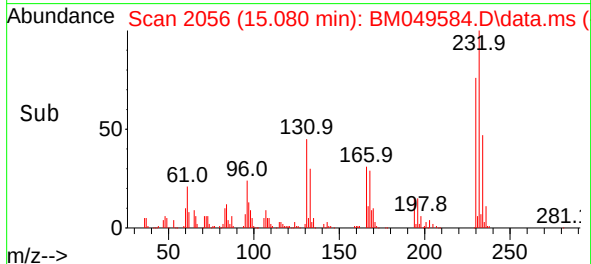
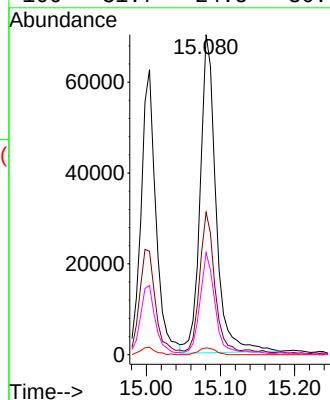
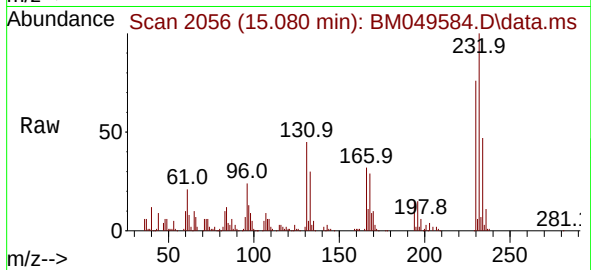
Ion Ratio Lower Upper

232 100

131 40.9 34.5 51.7

130 2.3 1.9 2.9

166 31.7 24.5 36.7



#60

Diethylphthalate

Concen: 15.049 ng

RT: 15.286 min Scan# 2091

Delta R.T. -0.011 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

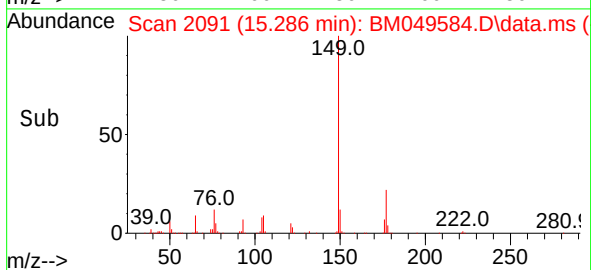
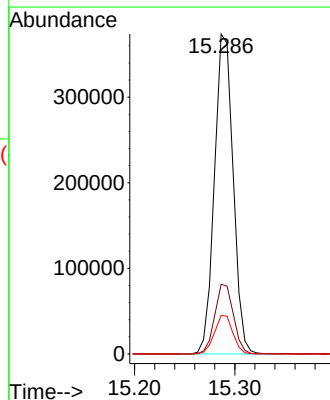
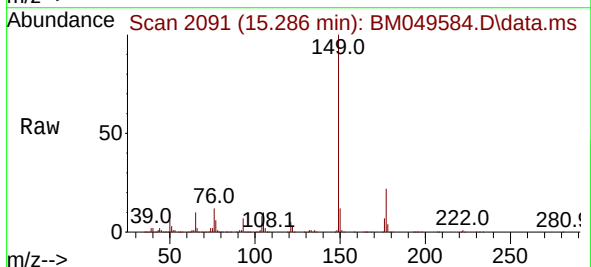
Tgt Ion:149 Resp: 484662

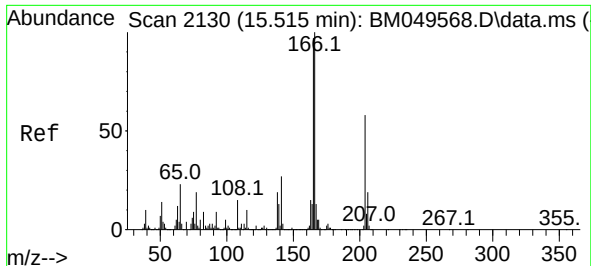
Ion Ratio Lower Upper

149 100

177 21.8 18.0 27.0

150 12.1 9.7 14.5

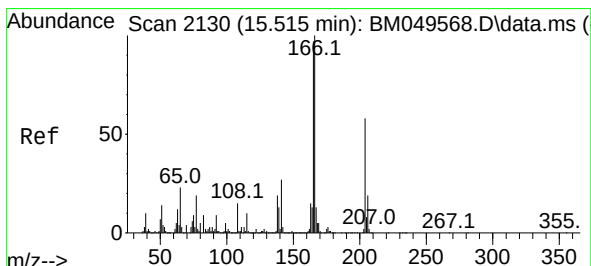
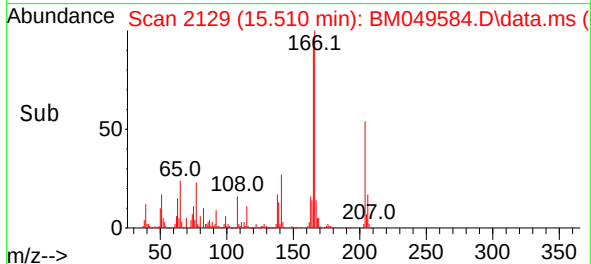
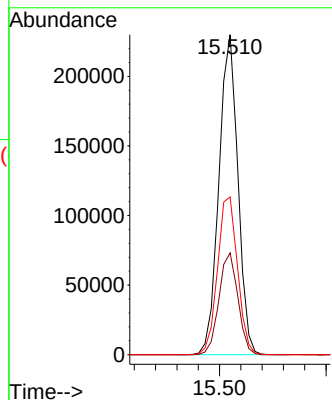
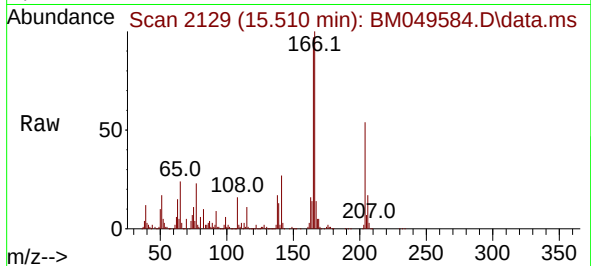




#61
4-Chlorophenyl-phenylether
Concen: 15.183 ng
RT: 15.510 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

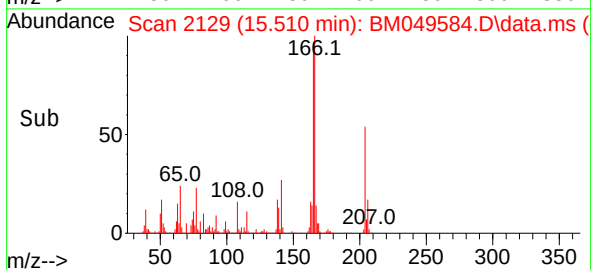
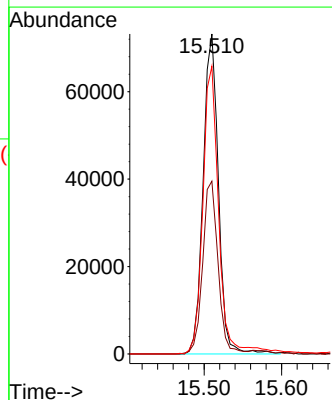
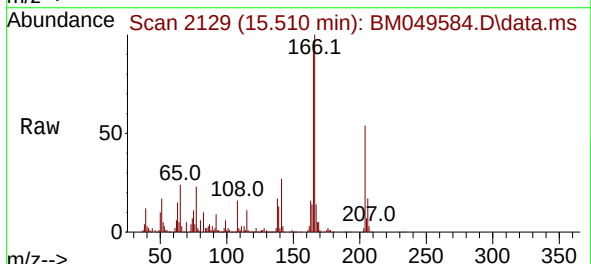
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

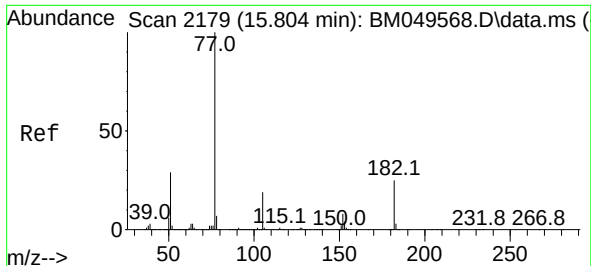
Tgt Ion:204 Resp: 283756
Ion Ratio Lower Upper
204 100
206 31.8 26.0 39.0
141 49.3 37.1 55.7



#62
4-Nitroaniline
Concen: 15.872 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:138 Resp: 100354
Ion Ratio Lower Upper
138 100
92 54.0 29.3 69.3
108 89.9 60.1 100.1

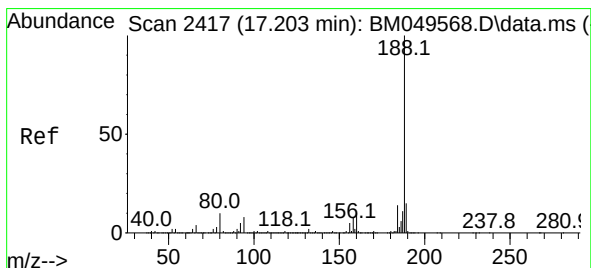
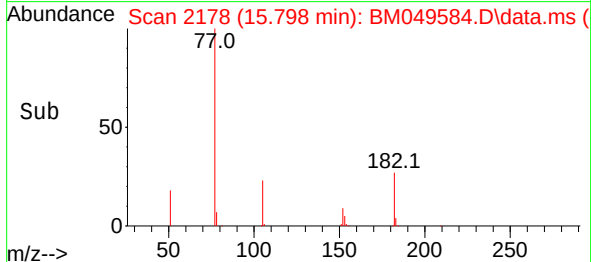
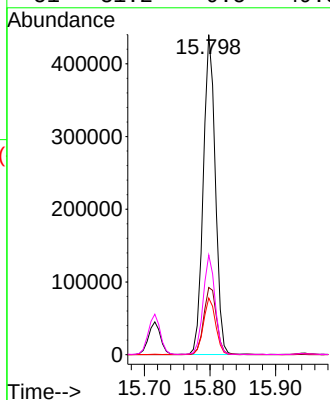
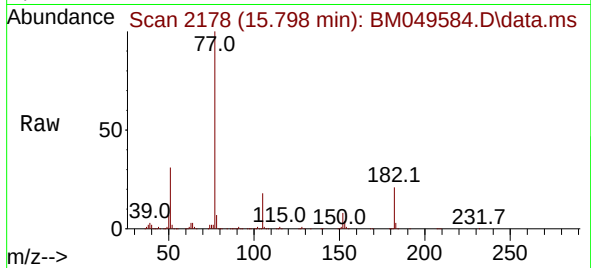




#63
Azobenzene
Concen: 16.729 ng
RT: 15.798 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

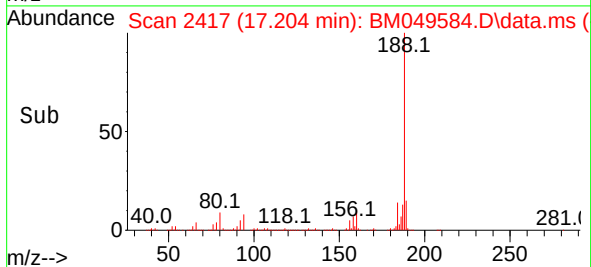
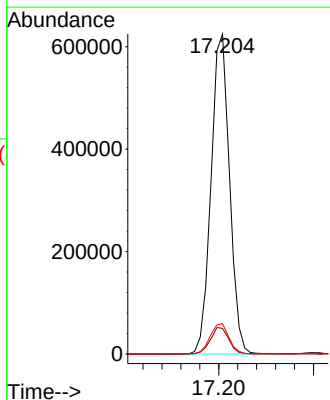
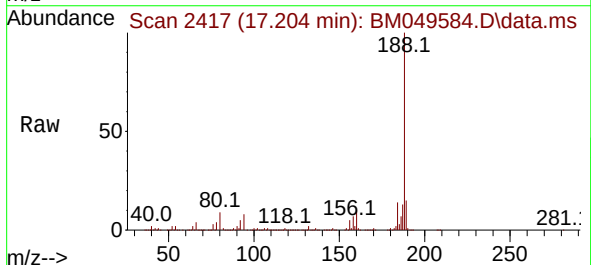
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

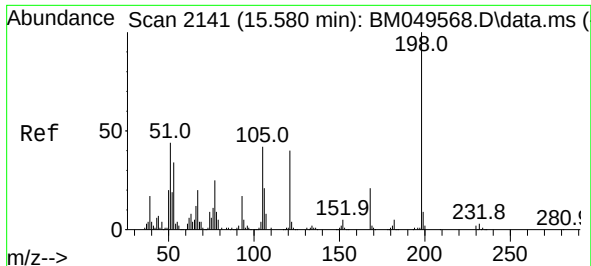
Tgt Ion: 77	Resp: 562354
Ion Ratio	Lower Upper
77 100	
182 21.0	4.7 44.7
105 17.7	0.0 39.3
51 31.2	9.5 49.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:188	Resp: 846964
Ion Ratio	Lower Upper
188 100	
94 8.0	6.7 10.1
80 9.4	7.7 11.5

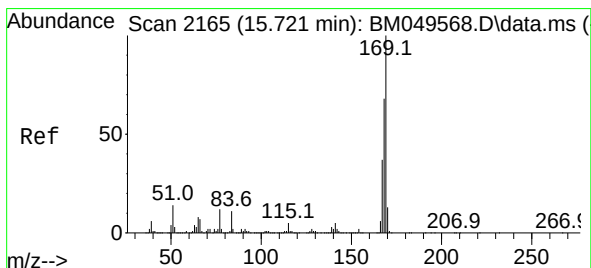
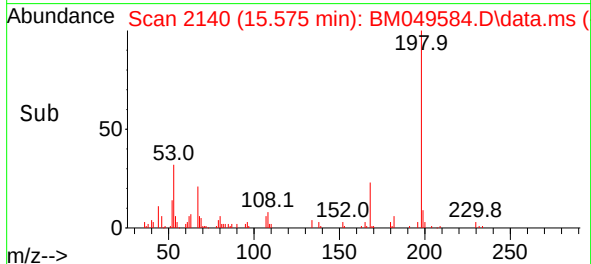
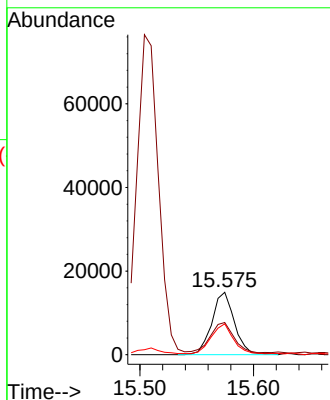
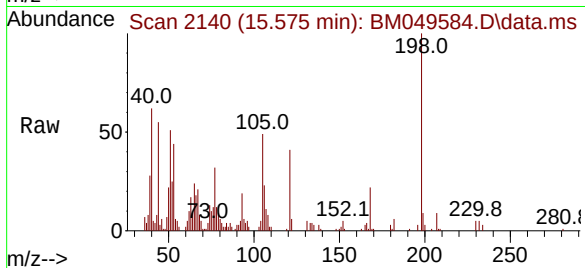




#65
4,6-Dinitro-2-methylphenol
Concen: 14.743 ng
RT: 15.575 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

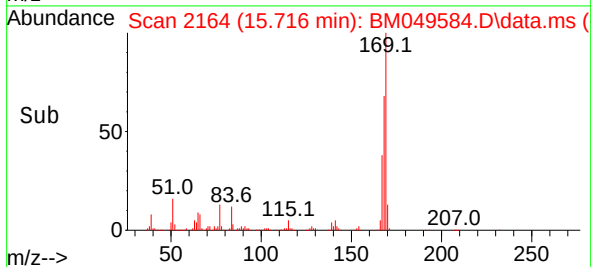
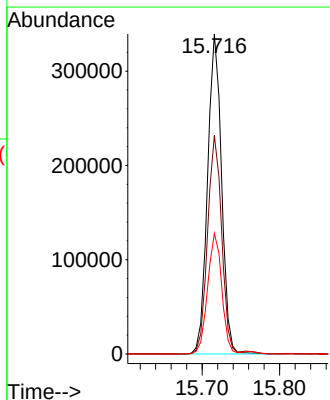
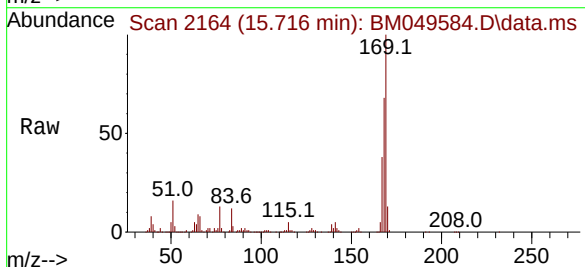
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

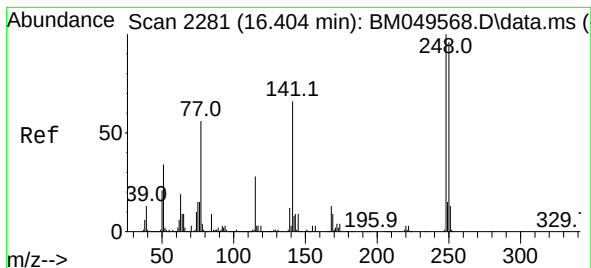
Tgt Ion	Ratio	Lower	Upper
198	100		
51	51.5	26.9	66.9
105	49.4	22.8	62.8



#66
n-Nitrosodiphenylamine
Concen: 15.928 ng
RT: 15.716 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.3	54.2	81.4
167	37.7	29.5	44.3

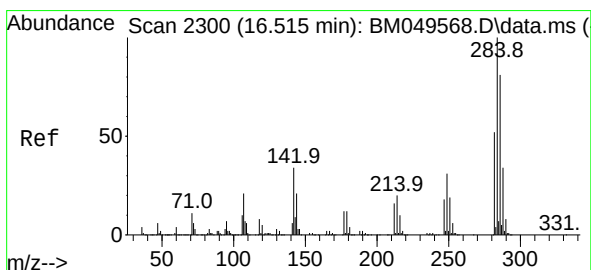
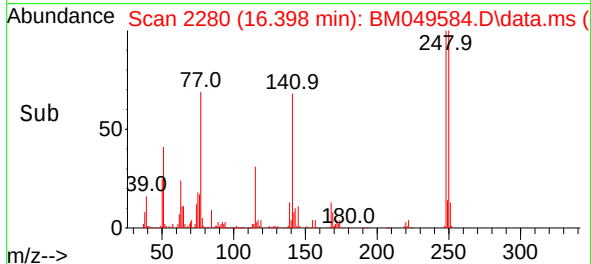
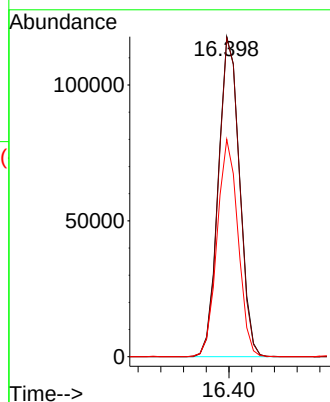
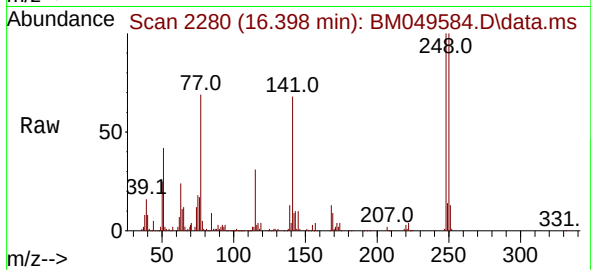




#67
4-Bromophenyl-phenylether
Concen: 15.580 ng
RT: 16.398 min Scan# 2281
Delta R.T. -0.005 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

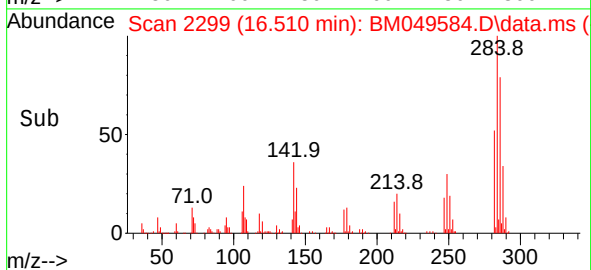
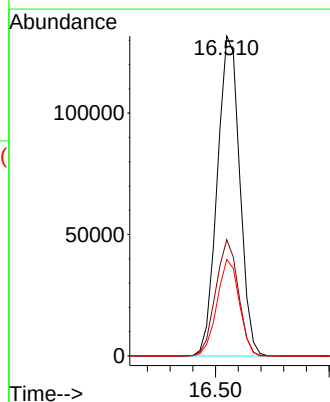
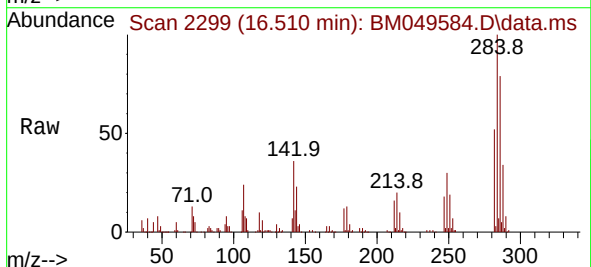
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

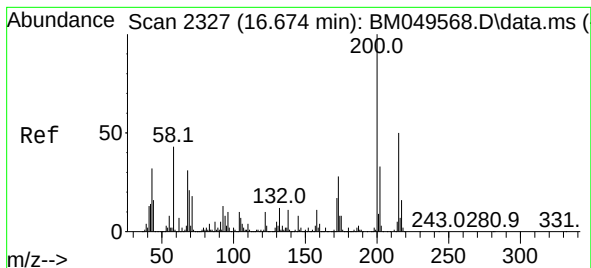
Tgt Ion:248 Resp: 153305
Ion Ratio Lower Upper
248 100
250 99.6 77.0 115.4
141 67.9 53.0 79.4



#68
Hexachlorobenzene
Concen: 16.026 ng
RT: 16.510 min Scan# 2299
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:284 Resp: 180987
Ion Ratio Lower Upper
284 100
142 36.3 27.1 40.7
249 30.1 24.6 36.8





#69

Atrazine

Concen: 7.521 ng

RT: 16.669 min Scan# 2326

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

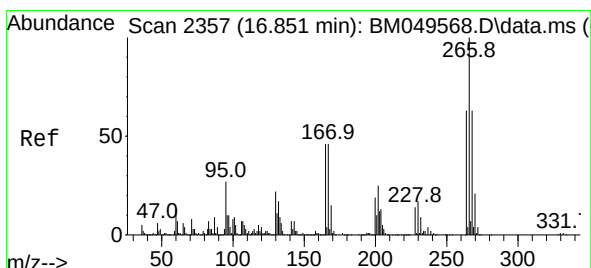
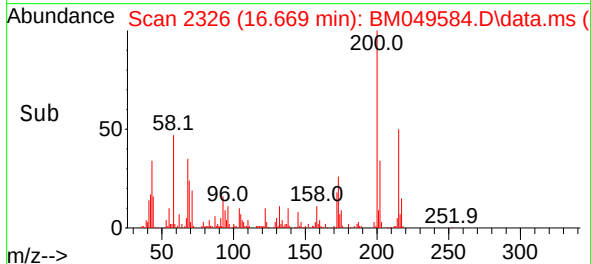
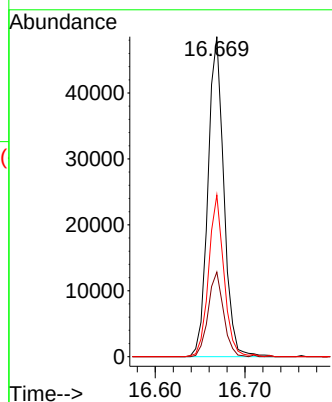
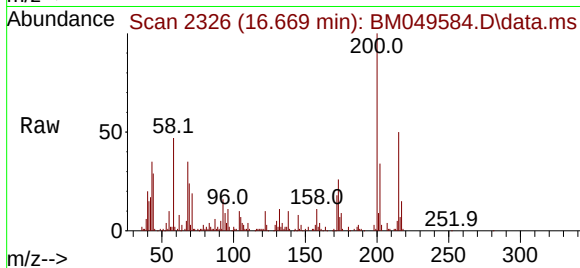
Tgt Ion:200 Resp: 59719

Ion Ratio Lower Upper

200 100

173 26.4 7.6 47.6

215 50.5 30.2 70.2



#70

Pentachlorophenol

Concen: 14.933 ng

RT: 16.851 min Scan# 2357

Delta R.T. 0.000 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

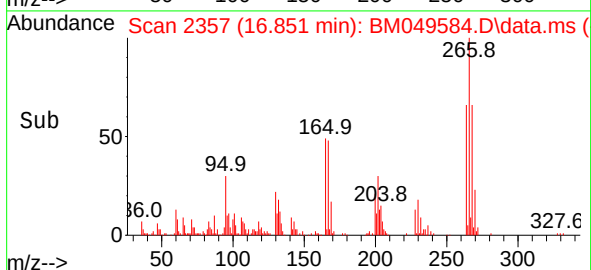
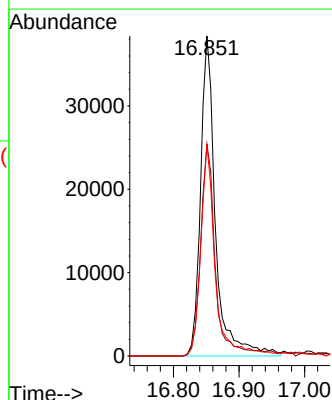
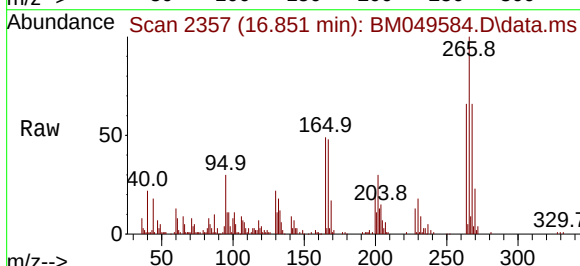
Tgt Ion:266 Resp: 60909

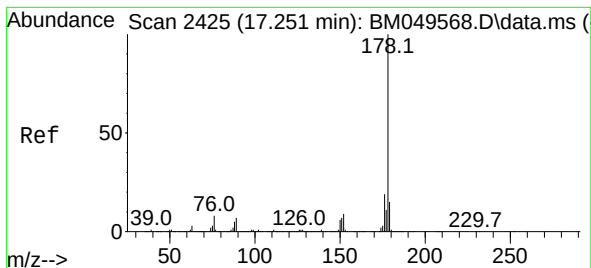
Ion Ratio Lower Upper

266 100

268 66.2 50.8 76.2

264 66.3 50.0 75.0





#71

Phenanthrene

Concen: 16.017 ng

RT: 17.245 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

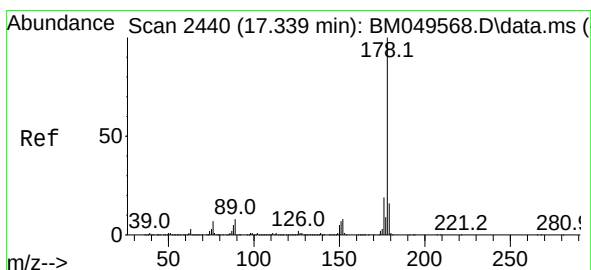
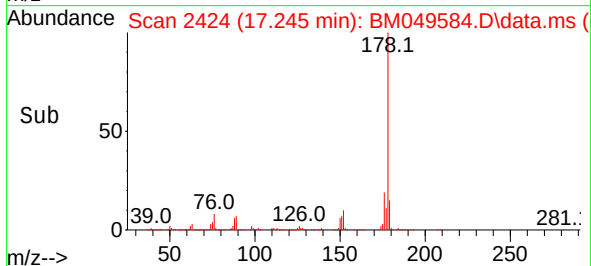
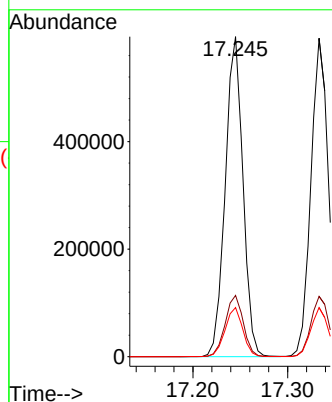
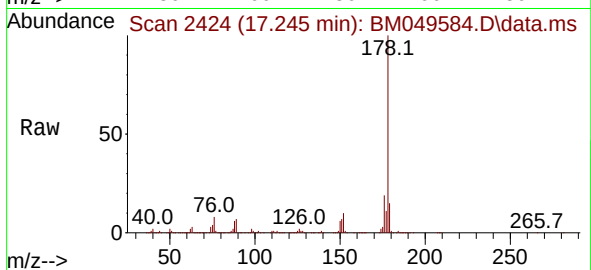
Tgt Ion:178 Resp: 772823

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.4 12.2 18.2



#72

Anthracene

Concen: 16.025 ng

RT: 17.333 min Scan# 2439

Delta R.T. -0.005 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

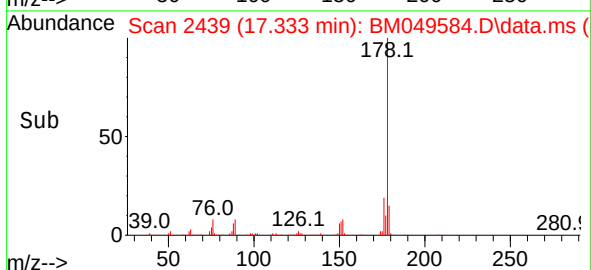
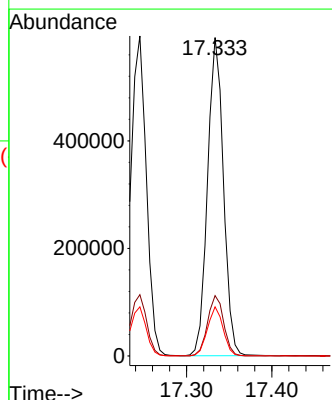
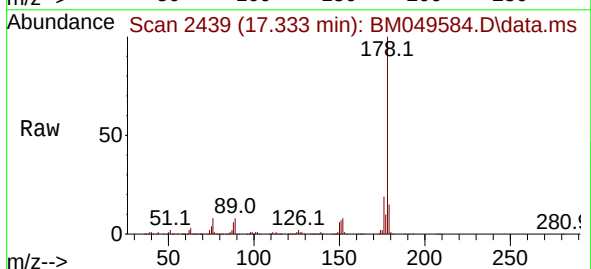
Tgt Ion:178 Resp: 765624

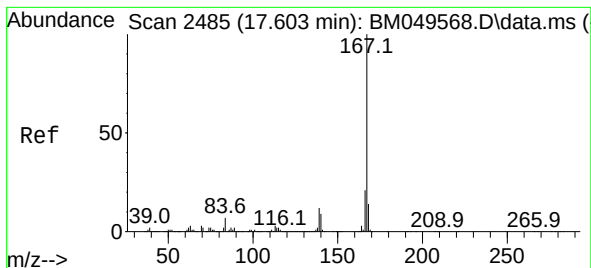
Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 15.5 12.4 18.6





#73

Carbazole

Concen: 16.152 ng

RT: 17.598 min Scan# 2484

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

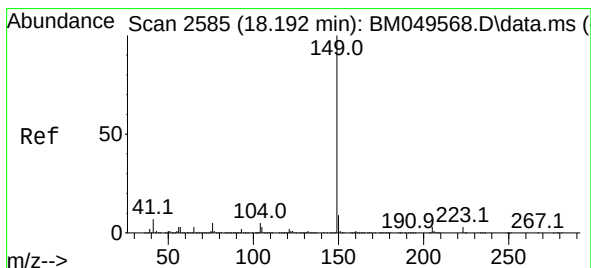
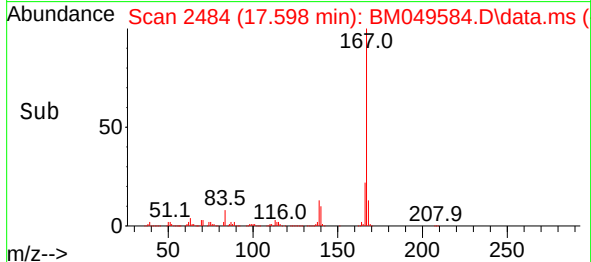
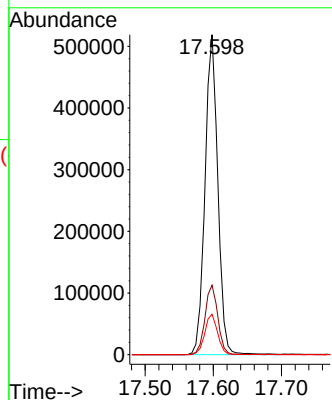
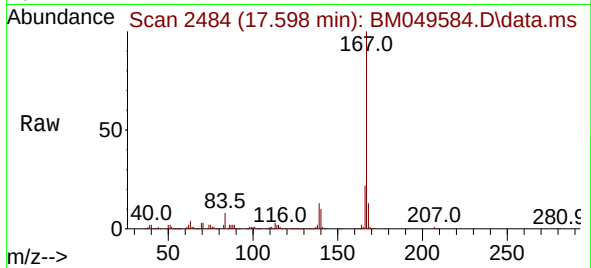
Tgt Ion:167 Resp: 677282

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

139 12.7 9.6 14.4



#74

Di-n-butylphthalate

Concen: 13.586 ng

RT: 18.186 min Scan# 2584

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

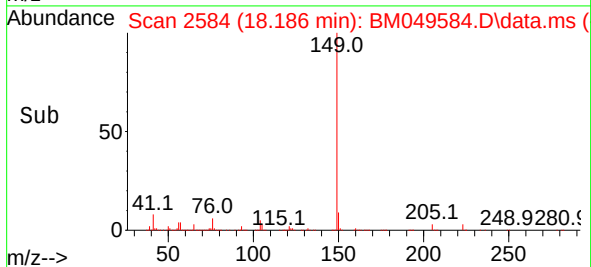
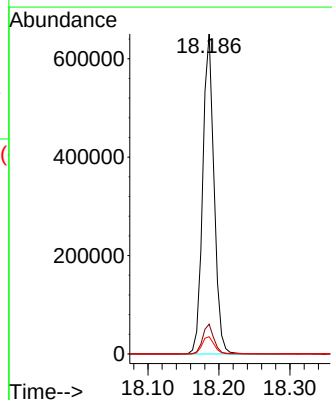
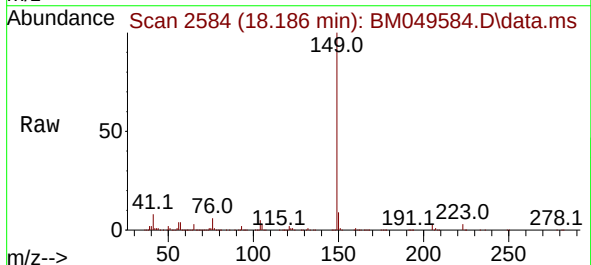
Tgt Ion:149 Resp: 722900

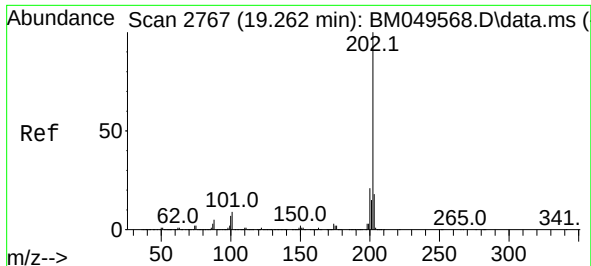
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 5.4 4.1 6.1

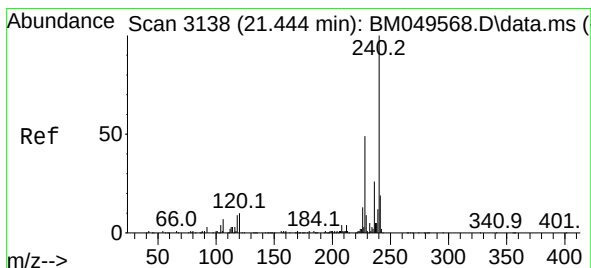
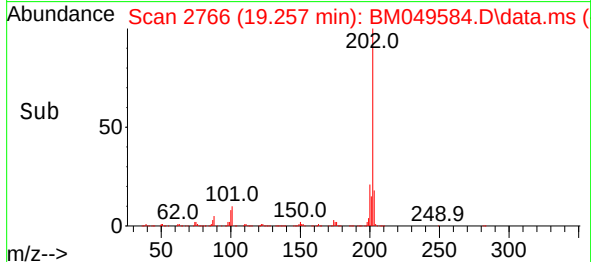
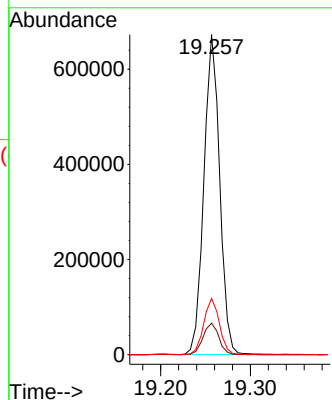
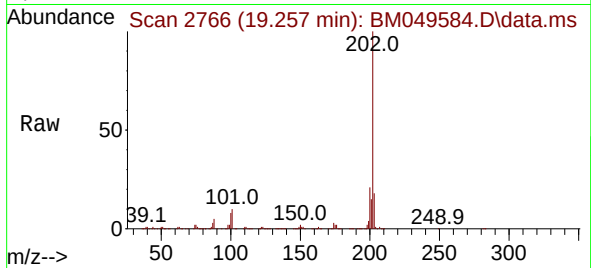




#75
Fluoranthene
Concen: 14.538 ng
RT: 19.257 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

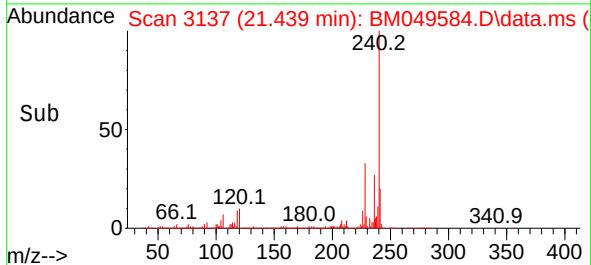
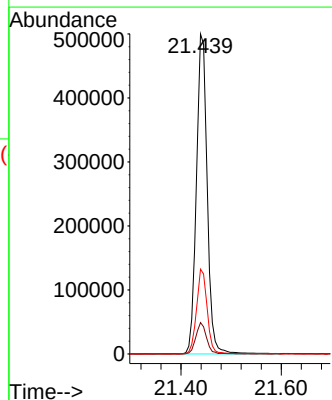
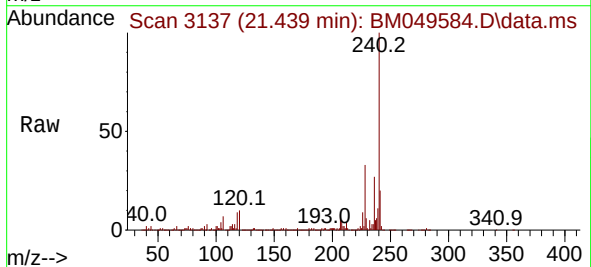
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

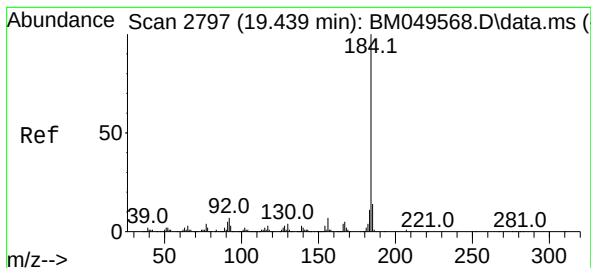
Tgt Ion:202 Resp: 821250
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.1
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:240 Resp: 747530
Ion Ratio Lower Upper
240 100
120 9.8 7.8 11.8
236 26.5 20.6 31.0





#77

Benzidine

Concen: 9.299 ng

RT: 19.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

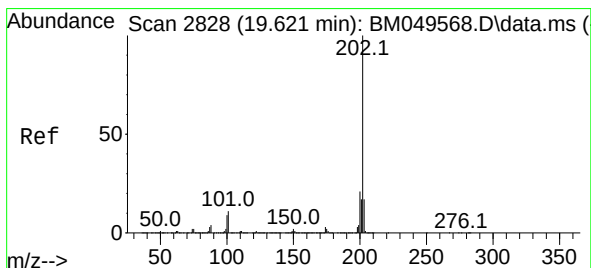
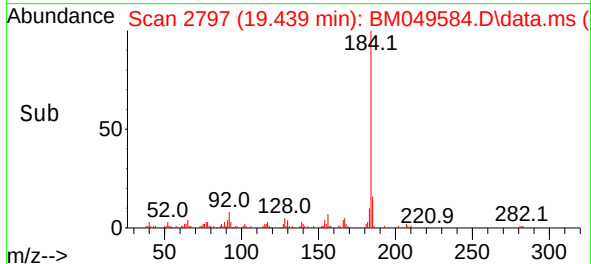
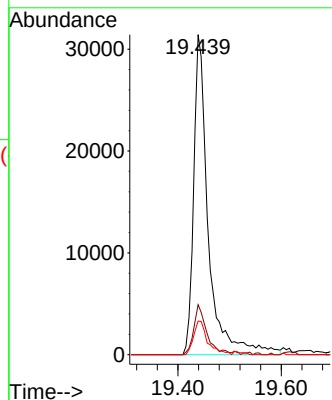
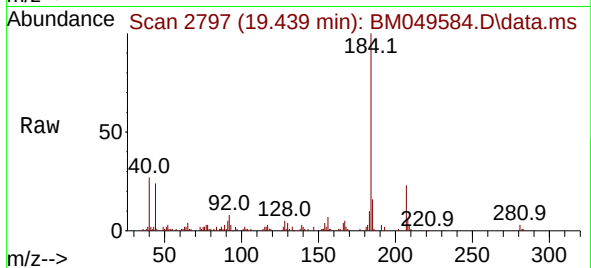
Tgt Ion:184 Resp: 61559

Ion Ratio Lower Upper

184 100

185 15.6 11.6 17.4

183 10.5 8.9 13.3



#78

Pyrene

Concen: 15.192 ng

RT: 19.621 min Scan# 2828

Delta R.T. 0.000 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

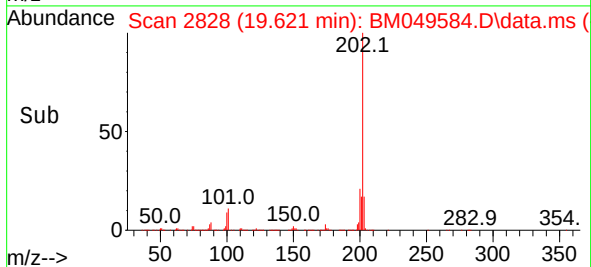
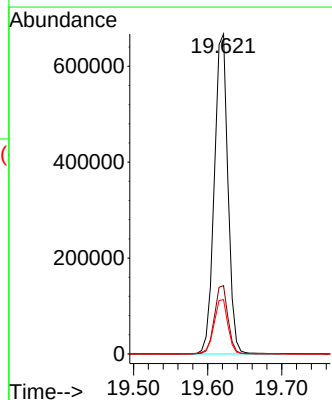
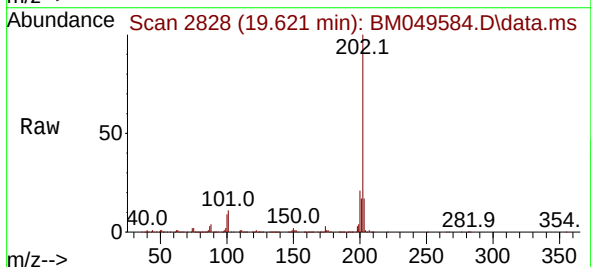
Tgt Ion:202 Resp: 850322

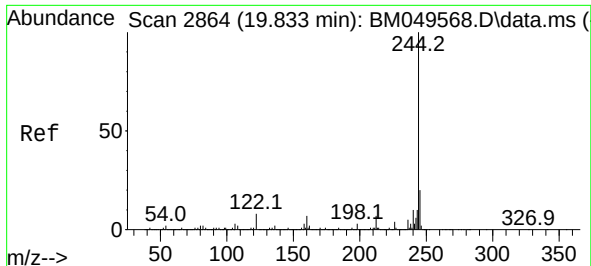
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 17.0 13.8 20.8

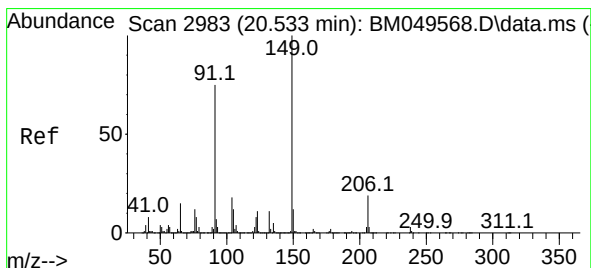
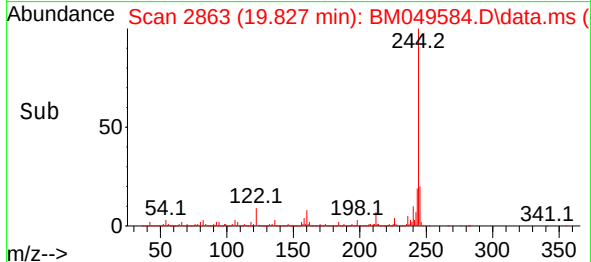
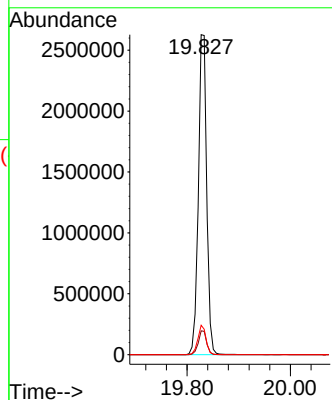
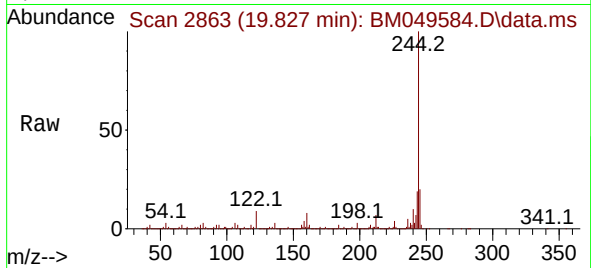




#79
 Terphenyl-d14
 Concen: 59.973 ng
 RT: 19.827 min Scan# 2863
 Delta R.T. -0.006 min
 Lab File: BM049584.D
 Acq: 06 Feb 2025 17:42

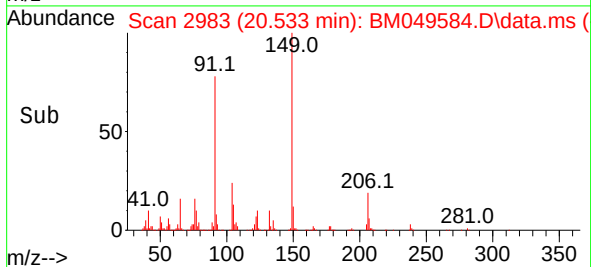
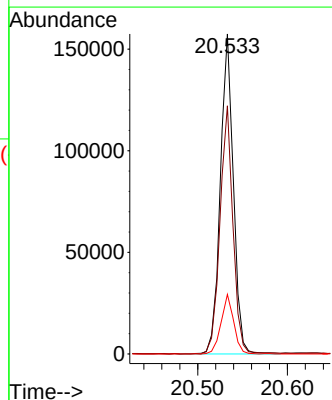
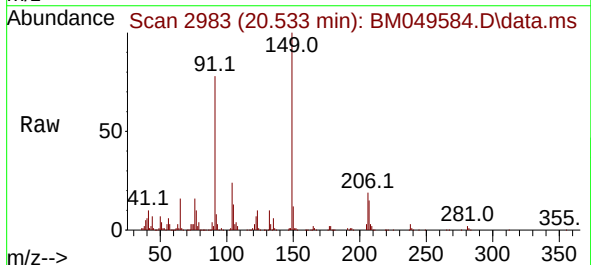
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

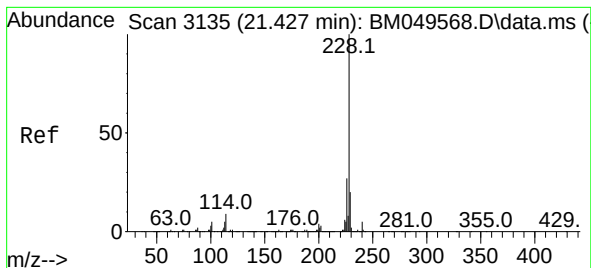
Tgt Ion:244 Resp: 2935831
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.2 6.2 9.2



#80
 Butylbenzylphthalate
 Concen: 9.120 ng
 RT: 20.533 min Scan# 2983
 Delta R.T. 0.000 min
 Lab File: BM049584.D
 Acq: 06 Feb 2025 17:42

Tgt Ion:149 Resp: 158848
 Ion Ratio Lower Upper
 149 100
 91 77.6 60.2 90.2
 206 18.6 15.4 23.0





#81

Benzo(a)anthracene

Concen: 15.884 ng

RT: 21.421 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

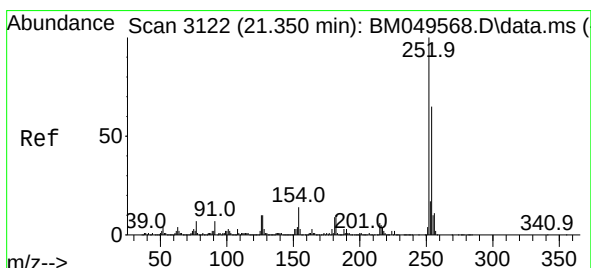
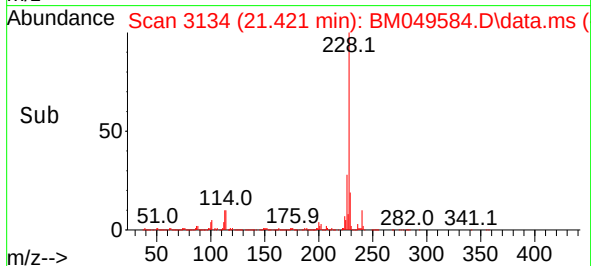
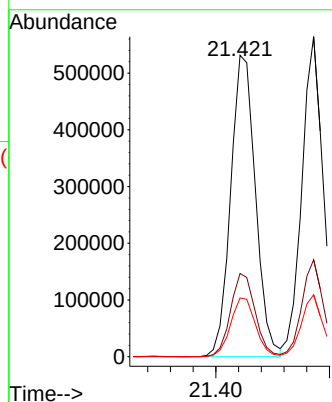
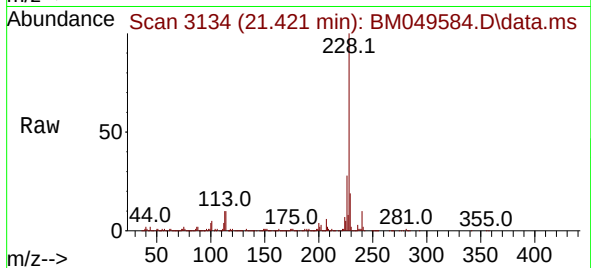
Tgt Ion:228 Resp: 804726

Ion Ratio Lower Upper

228 100

226 27.6 22.0 33.0

229 19.5 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 5.643 ng

RT: 21.345 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

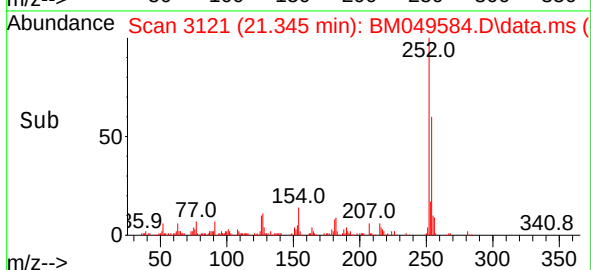
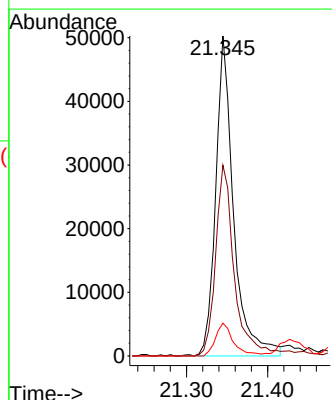
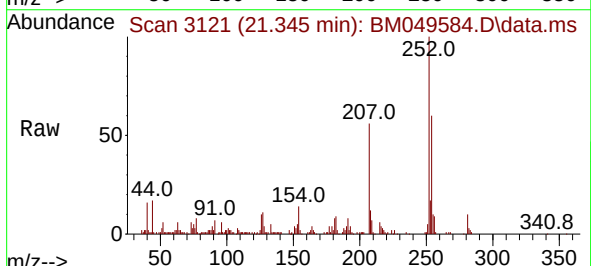
Tgt Ion:252 Resp: 76924

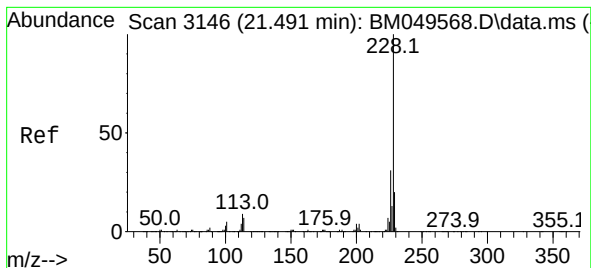
Ion Ratio Lower Upper

252 100

254 59.6 52.1 78.1

126 10.3 7.8 11.6





#83

Chrysene

Concen: 15.962 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

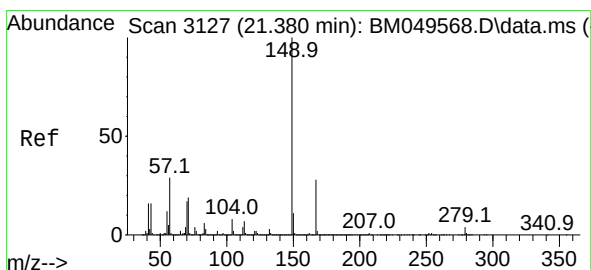
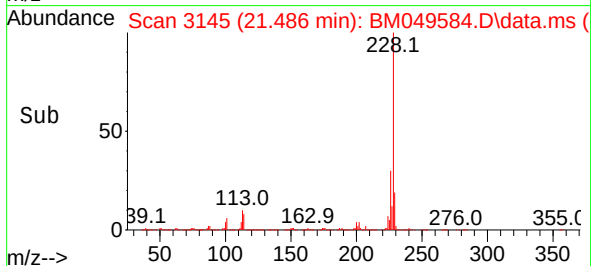
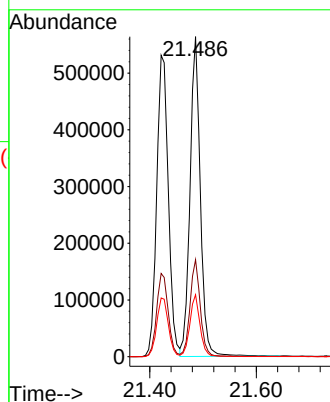
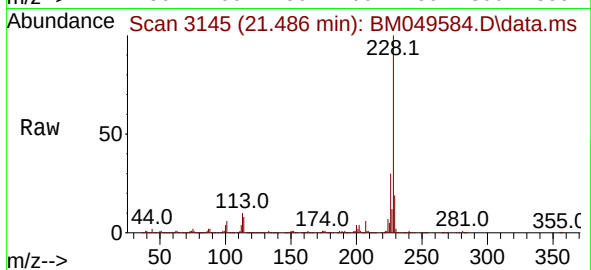
Tgt Ion:228 Resp: 757636

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 19.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.690 ng

RT: 21.380 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

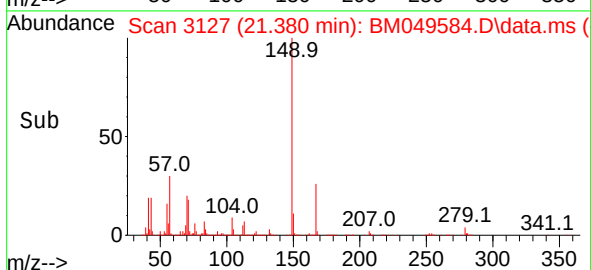
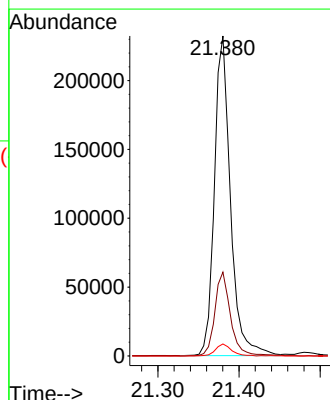
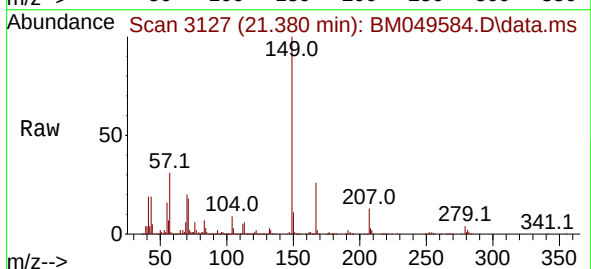
Tgt Ion:149 Resp: 319192

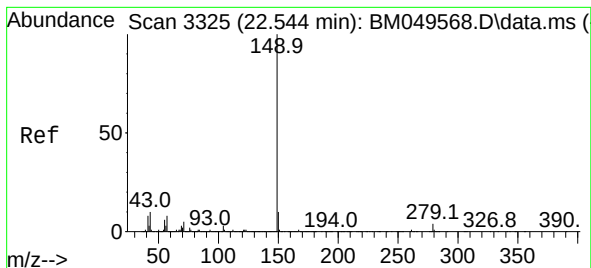
Ion Ratio Lower Upper

149 100

167 26.2 22.1 33.1

279 3.8 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 8.556 ng

RT: 22.539 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

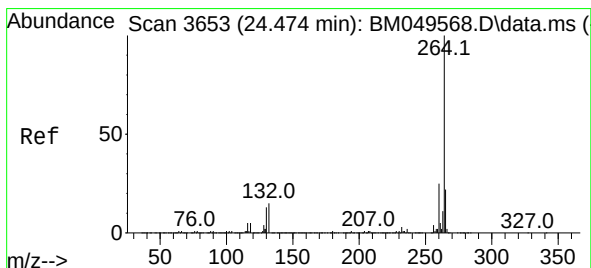
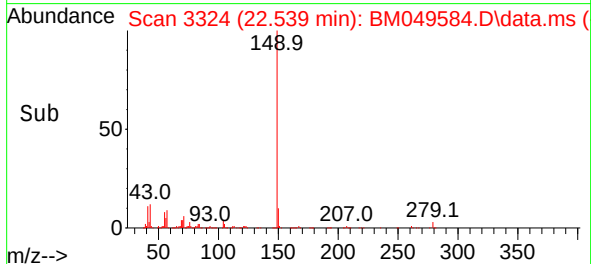
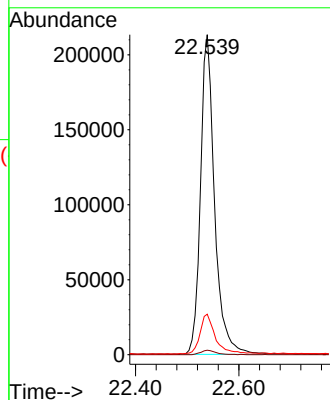
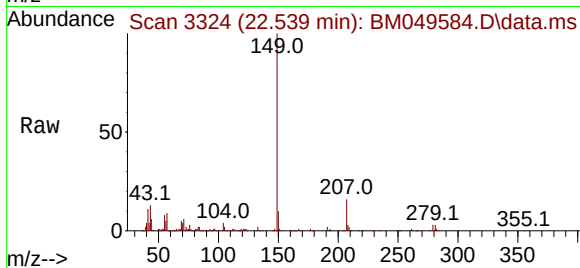
Tgt Ion:149 Resp: 403005

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 13.6 8.5 12.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3652

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

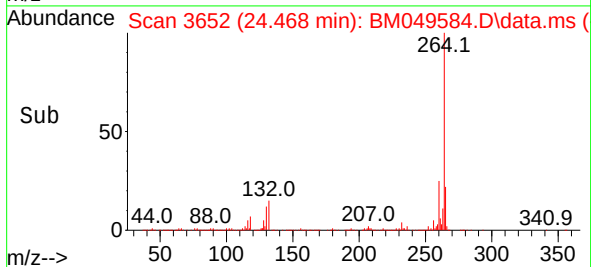
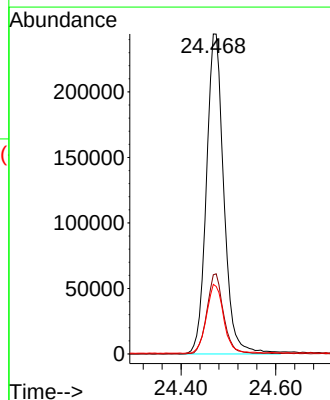
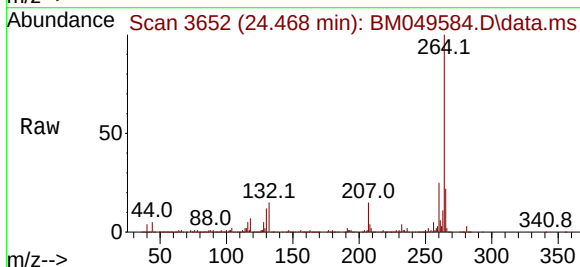
Tgt Ion:264 Resp: 624371

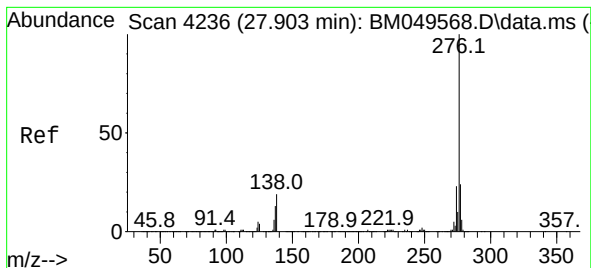
Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.6

265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.995 ng

RT: 27.886 min Scan# 41

Delta R.T. -0.017 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

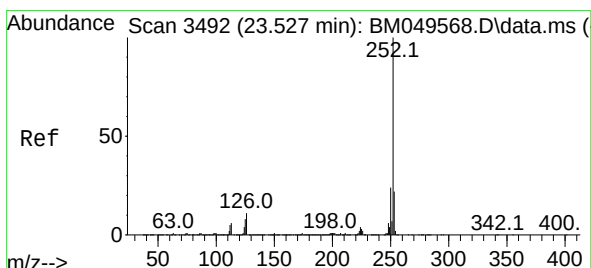
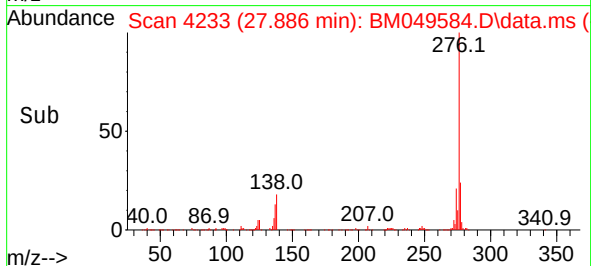
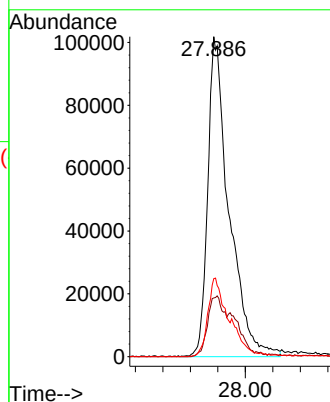
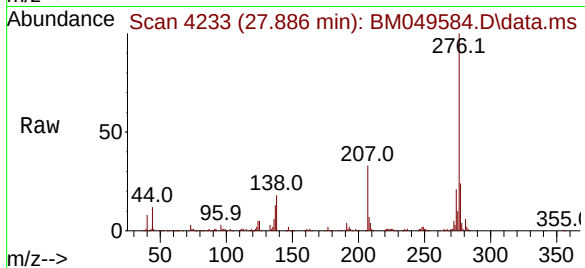
Tgt Ion:276 Resp: 545393

Ion Ratio Lower Upper

276 100

138 14.7 13.1 19.7

277 24.4 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 14.873 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.011 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

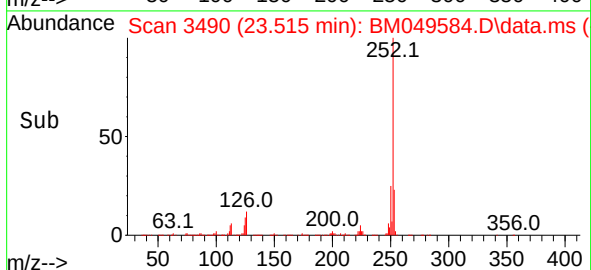
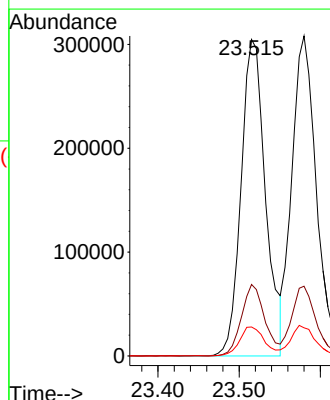
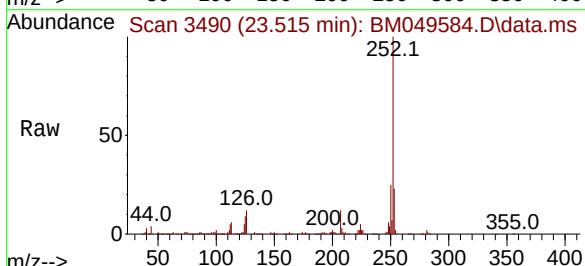
Tgt Ion:252 Resp: 638837

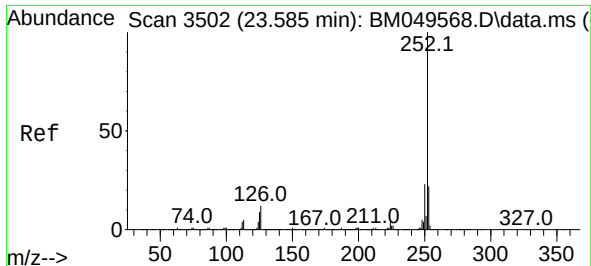
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 9.1 6.6 10.0





#89

Benzo(k)fluoranthene

Concen: 15.527 ng

RT: 23.580 min Scan# 3502

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

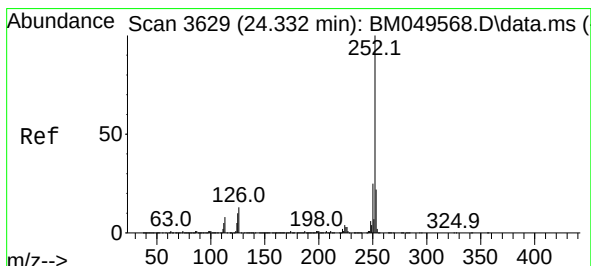
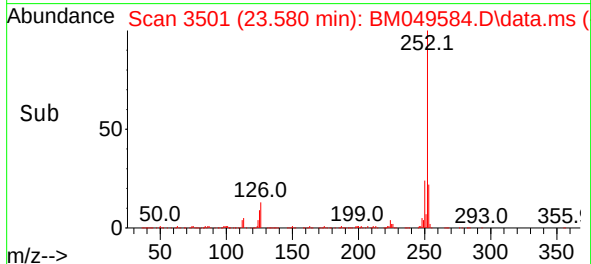
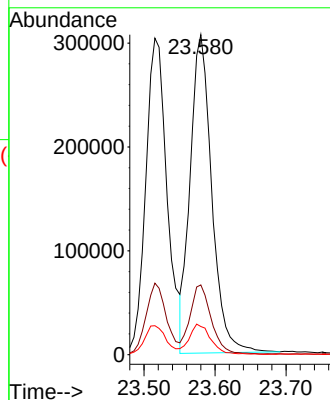
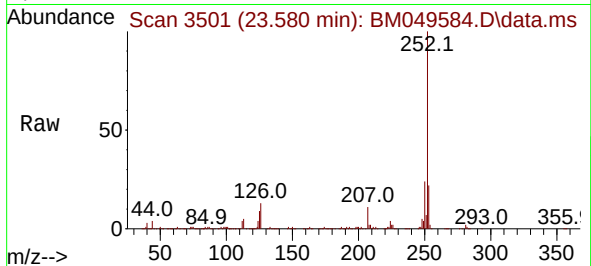
Tgt Ion:252 Resp: 647756

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 8.8 7.0 10.6



#90

Benzo(a)pyrene

Concen: 16.128 ng

RT: 24.327 min Scan# 3628

Delta R.T. -0.006 min

Lab File: BM049584.D

Acq: 06 Feb 2025 17:42

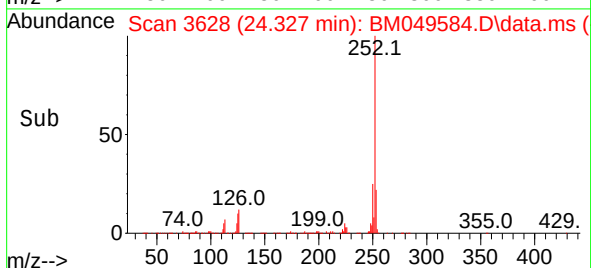
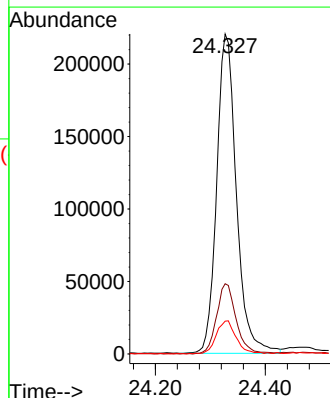
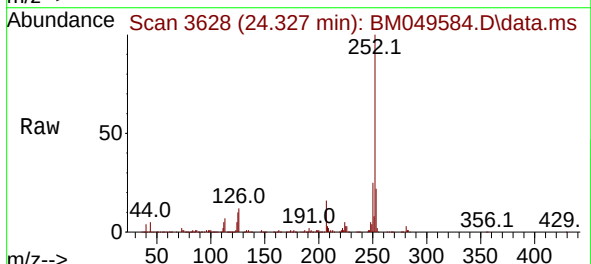
Tgt Ion:252 Resp: 548970

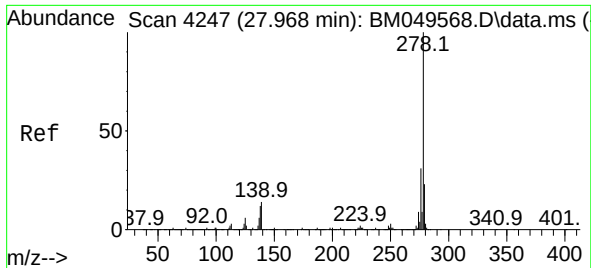
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 10.2 8.2 12.2

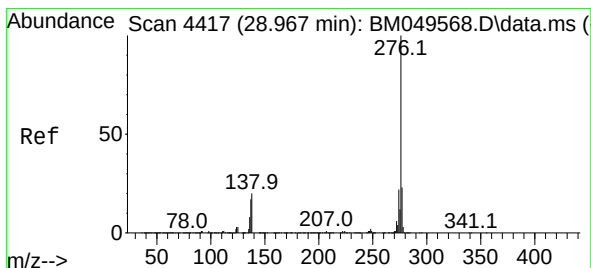
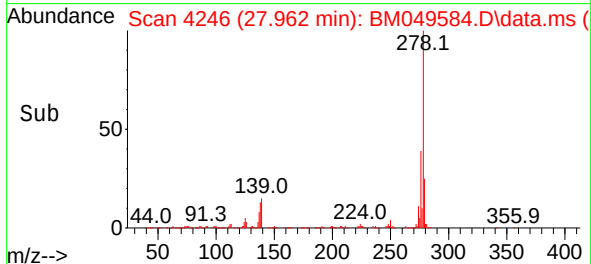
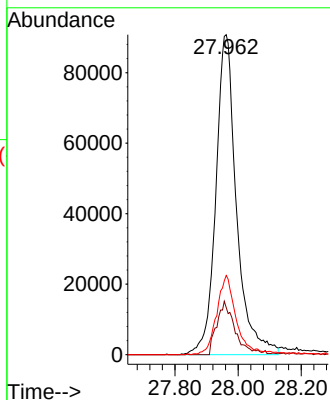
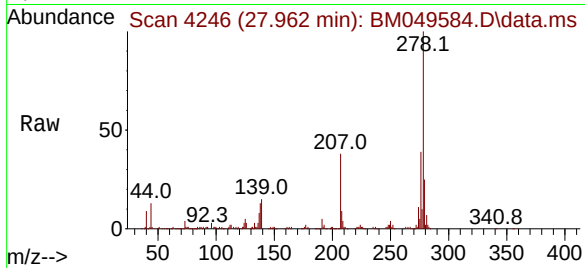




#91
Dibenzo(a,h)anthracene
Concen: 15.309 ng
RT: 27.962 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

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

Tgt Ion:278 Resp: 412568
Ion Ratio Lower Upper
278 100
139 14.7 11.5 17.3
279 24.7 18.2 27.2



#92
Benzo(g,h,i)perylene
Concen: 14.894 ng
RT: 28.950 min Scan# 4414
Delta R.T. -0.017 min
Lab File: BM049584.D
Acq: 06 Feb 2025 17:42

Tgt Ion:276 Resp: 448387
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 21.3 16.0 24.0

