

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
 Data File : BM049684.D
 Acq On : 28 Feb 2025 18:34
 Operator : RC/JU
 Sample : Q1458-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-SOILMSD

Quant Time: Feb 28 22:00:23 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 04:55:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	379241	20.000	ng	-0.02
21) Naphthalene-d8	10.598	136	1288200	20.000	ng	#-0.03
39) Acenaphthene-d10	14.445	164	805687	20.000	ng	-0.02
64) Phenanthrene-d10	17.186	188	1530140	20.000	ng	#-0.02
76) Chrysene-d12	21.427	240	1657115	20.000	ng	-0.02
86) Perylene-d12	24.438	264	1750186	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	2688590	114.004	ng	0.00
7) Phenol-d6	6.981	99	3338218	108.043	ng	0.00
23) Nitrobenzene-d5	8.957	82	1935466	77.282	ng	-0.02
42) 2,4,6-Tribromophenol	15.933	330	1455881	152.500	ng	-0.02
45) 2-Fluorobiphenyl	13.069	172	4741276	76.234	ng	-0.02
79) Terphenyl-d14	19.809	244	6562004	60.469	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.281	88	392016	39.534	ng	91
3) Pyridine	3.681	79	965661	35.045	ng	91
4) n-Nitrosodimethylamine	3.587	42	397049	30.798	ng	# 78
6) Aniline	7.128	93	548223	18.721	ng	94
8) 2-Chlorophenol	7.375	128	1007304	42.776	ng	94
9) Benzaldehyde	6.940	77	367203	22.446	ng	92
10) Phenol	7.010	94	1255427	41.253	ng	94
11) bis(2-Chloroethyl)ether	7.228	93	966585	39.260	ng	94
12) 1,3-Dichlorobenzene	7.692	146	1188060	43.465	ng	# 94
13) 1,4-Dichlorobenzene	7.839	146	1200242	43.412	ng	98
14) 1,2-Dichlorobenzene	8.157	146	1149366	43.054	ng	98
15) Benzyl Alcohol	8.045	79	814644	37.898	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.328	45	1111197	33.527	ng	95
17) 2-Methylphenol	8.257	107	778173	41.819	ng	96
18) Hexachloroethane	8.886	117	416005	41.193	ng	91
19) n-Nitroso-di-n-propyla...	8.610	70	699794	34.587	ng	90
20) 3+4-Methylphenols	8.581	107	1045132	42.547	ng	97
22) Acetophenone	8.628	105	1543150	44.476	ng	# 94
24) Nitrobenzene	9.004	77	979103	40.239	ng	92
25) Isophorone	9.533	82	1835196	40.632	ng	96
26) 2-Nitrophenol	9.716	139	505116	57.606	ng	# 86
27) 2,4-Dimethylphenol	9.781	122	800386	56.045	ng	97
28) bis(2-Chloroethoxy)met...	10.010	93	1189294	40.883	ng	97
29) 2,4-Dichlorophenol	10.251	162	996149	50.650	ng	95
30) 1,2,4-Trichlorobenzene	10.463	180	1125353	46.704	ng	98
31) Naphthalene	10.651	128	2963609	43.621	ng	99
32) Benzoic acid	9.922	122	598243	60.729	ng	92
33) 4-Chloroaniline	10.757	127	330668	13.003	ng	95
34) Hexachlorobutadiene	10.945	225	725384	50.271	ng	98
35) Caprolactam	11.539	113	285596	47.599	ng	# 80
36) 4-Chloro-3-methylphenol	11.898	107	848699	43.271	ng	92
37) 2-Methylnaphthalene	12.263	142	2043541	42.721	ng	98
38) 1-Methylnaphthalene	12.486	142	1979958	42.542	ng	99
40) 1,2,4,5-Tetrachloroben...	12.633	216	1450408	54.753	ng	98
41) Hexachlorocyclopentadiene	12.622	237	1284858	190.000	ng	100
43) 2,4,6-Trichlorophenol	12.880	196	810286	56.055	ng	100

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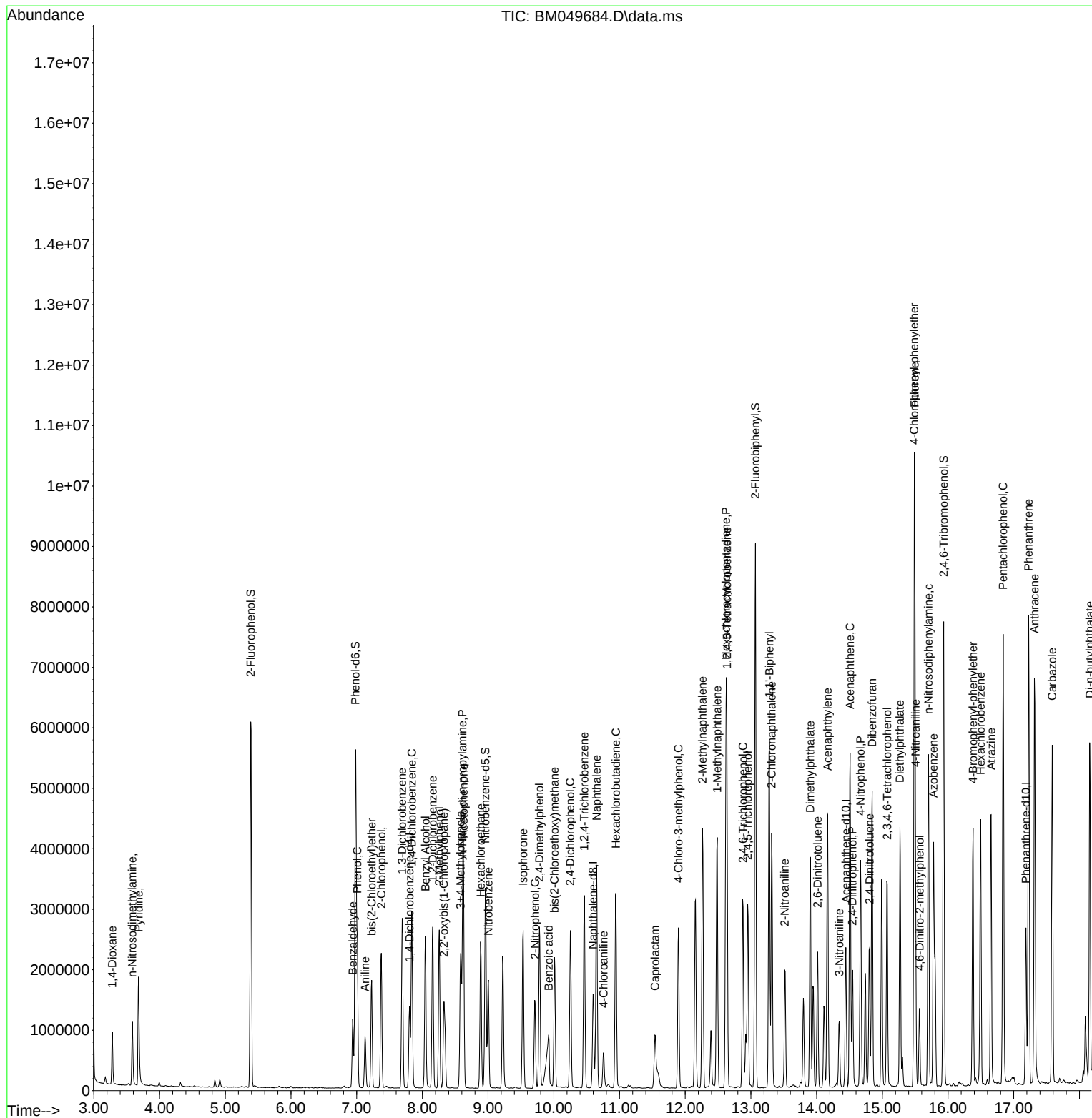
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	872916	54.951	ng	95
46) 1,1'-Biphenyl	13.280	154	3054792	49.702	ng	99
47) 2-Chloronaphthalene	13.316	162	2143640	45.079	ng	98
48) 2-Nitroaniline	13.516	65	495926	40.280	ng	88
49) Acenaphthylene	14.168	152	3336688	47.585	ng	98
50) Dimethylphthalate	13.904	163	2511679	43.410	ng	99
51) 2,6-Dinitrotoluene	14.016	165	524194	52.356	ng	# 81
52) Acenaphthene	14.510	154	2010450	43.195	ng	100
53) 3-Nitroaniline	14.345	138	284593	27.919	ng	# 88
54) 2,4-Dinitrophenol	14.545	184	459669	104.328	ng	# 67
55) Dibenzofuran	14.845	168	3211694	43.336	ng	96
56) 4-Nitrophenol	14.668	139	990580	115.279	ng	84
57) 2,4-Dinitrotoluene	14.804	165	731696	51.347	ng	# 77
58) Fluorene	15.492	166	2672428	42.152	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.074	232	729646	54.367	ng	92
60) Diethylphthalate	15.268	149	2406935	41.393	ng	98
61) 4-Chlorophenyl-phenyle...	15.486	204	1441240	42.711	ng	99
62) 4-Nitroaniline	15.504	138	485649	37.797	ng	92
63) Azobenzene	15.780	77	2617850	43.132	ng	89
65) 4,6-Dinitro-2-methylph...	15.568	198	307580	61.071	ng	80
66) n-Nitrosodiphenylamine	15.704	169	2202327	45.638	ng	99
67) 4-Bromophenyl-phenylether	16.380	248	835572	47.005	ng	95
68) Hexachlorobenzene	16.498	284	930805	45.621	ng	93
69) Atrazine	16.657	200	873695	60.907	ng	98
70) Pentachlorophenol	16.839	266	1332053	95.118	ng	98
71) Phenanthrene	17.227	178	4654189	53.391	ng	100
72) Anthracene	17.315	178	4268163	49.450	ng	100
73) Carbazole	17.586	167	3615050	47.719	ng	99
74) Di-n-butylphthalate	18.156	149	4186531	43.552	ng	99
75) Fluoranthene	19.245	202	6343901	62.160	ng	98
77) Benzidine	19.427	184	2172295	148.030	ng	99
78) Pyrene	19.603	202	6621140	53.362	ng	99
80) Butylbenzylphthalate	20.509	149	1856577	48.086	ng	# 85
81) Benzo(a)anthracene	21.409	228	5876755	52.328	ng	99
82) 3,3'-Dichlorobenzidine	21.333	252	1600362	52.956	ng	# 98
83) Chrysene	21.468	228	5358395	50.926	ng	99
84) Bis(2-ethylhexyl)phtha...	21.339	149	2814935	42.529	ng	# 95
85) Di-n-octyl phthalate	22.480	149	4823949	46.197	ng	# 92
87) Indeno(1,2,3-cd)pyrene	27.850	276	6567956	68.716	ng	# 96
88) Benzo(b)fluoranthene	23.491	252	5831970	48.438	ng	98
89) Benzo(k)fluoranthene	23.556	252	5457861	46.671	ng	98
90) Benzo(a)pyrene	24.303	252	5520787	57.860	ng	# 97
91) Dibenzo(a,h)anthracene	27.909	278	5075070	67.182	ng	97
92) Benzo(g,h,i)perylene	28.915	276	5106207	60.510	ng	97

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

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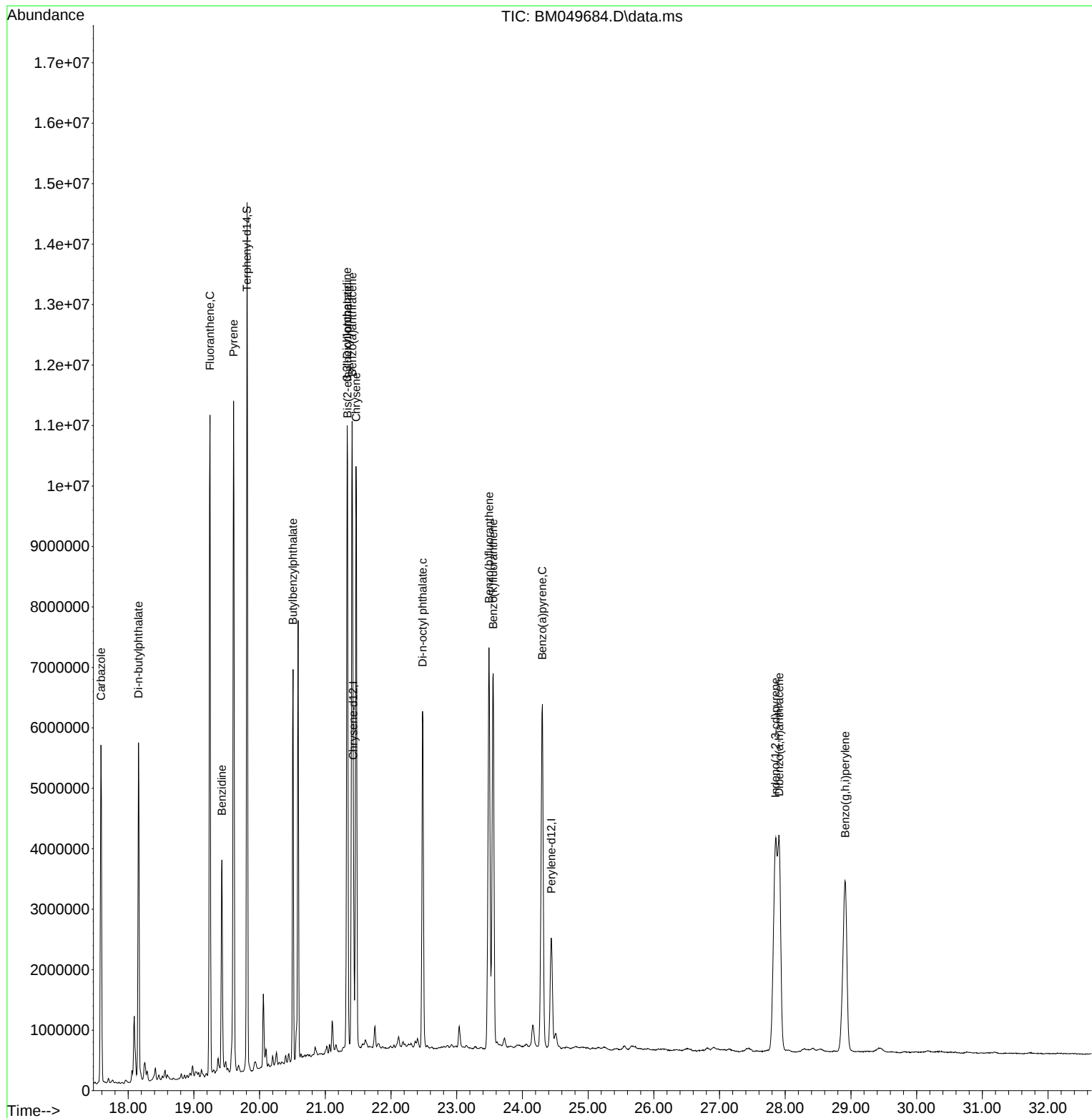
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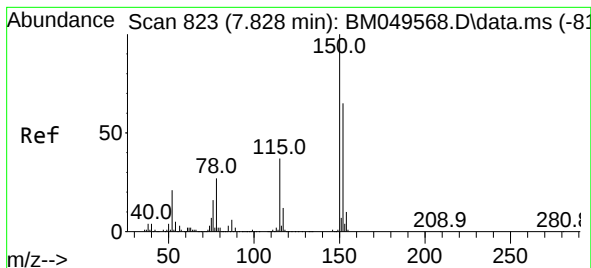


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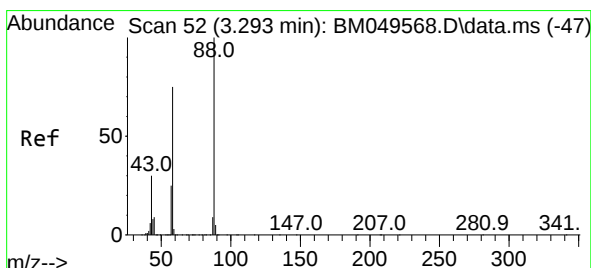
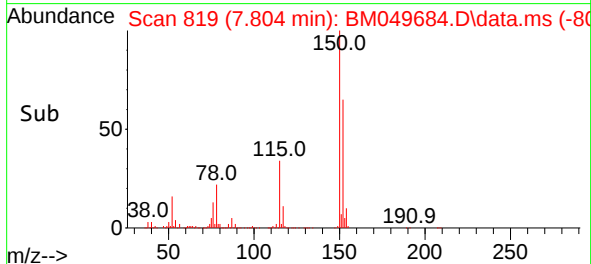
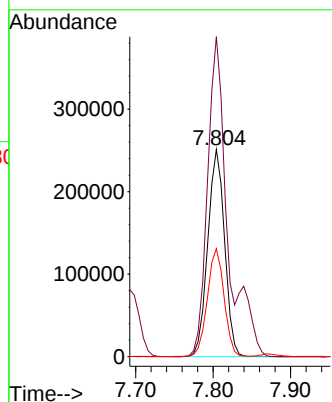
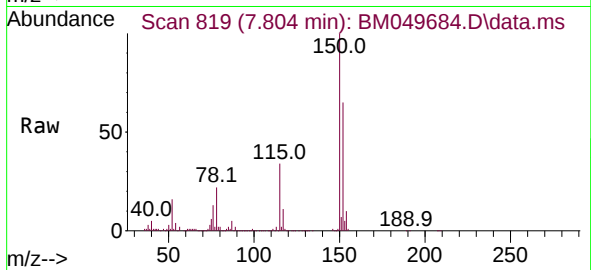




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.804 min Scan# 81
 Delta R.T. -0.024 min
 Lab File: BM049684.D
 Acq: 28 Feb 2025 18:34

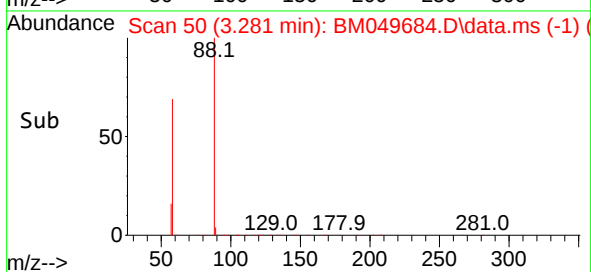
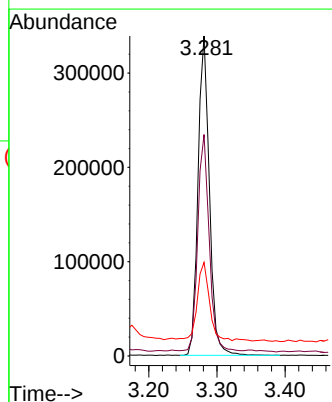
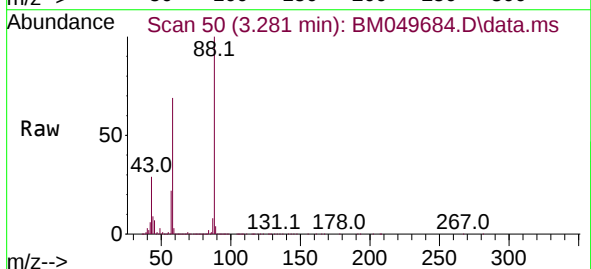
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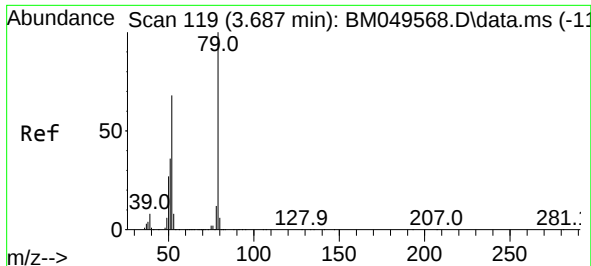
Tgt Ion:152 Resp: 379241
 Ion Ratio Lower Upper
 152 100
 150 154.4 122.6 184.0
 115 52.1 45.4 68.0



#2
 1,4-Dioxane
 Concen: 39.534 ng
 RT: 3.281 min Scan# 50
 Delta R.T. -0.012 min
 Lab File: BM049684.D
 Acq: 28 Feb 2025 18:34

Tgt Ion: 88 Resp: 392016
 Ion Ratio Lower Upper
 88 100
 58 67.3 60.0 90.0
 43 25.7 24.4 36.6

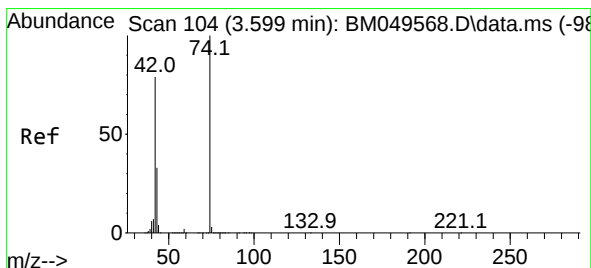
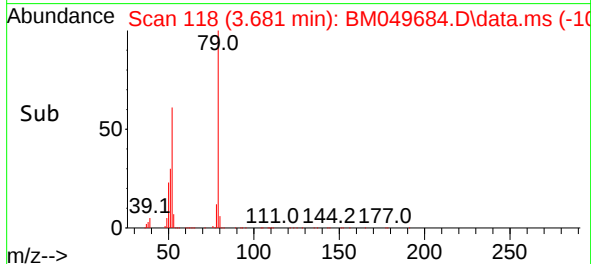
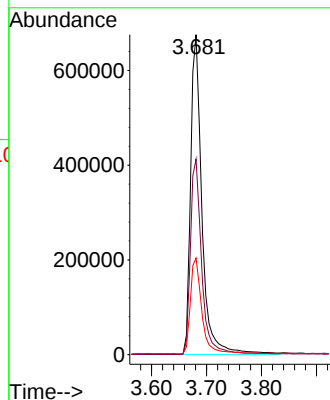
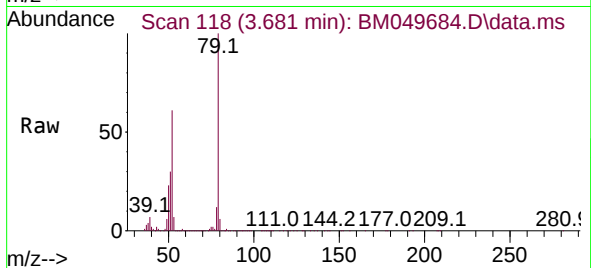




#3
Pyridine
Concen: 35.045 ng
RT: 3.681 min Scan# 119
Delta R.T. -0.006 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

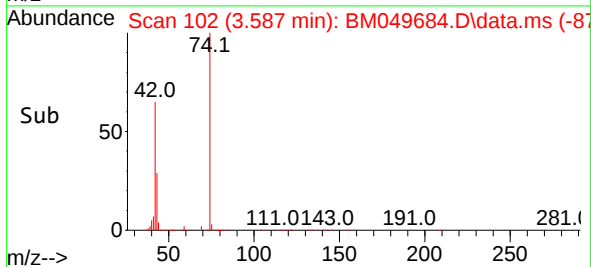
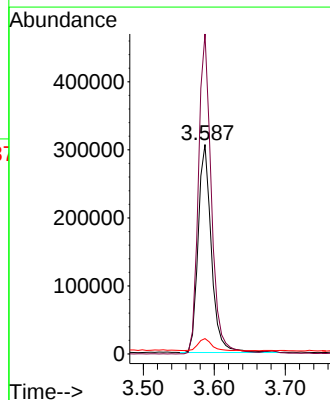
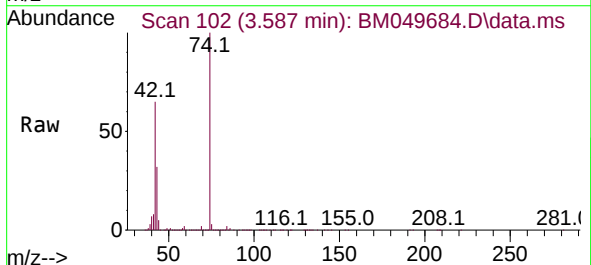
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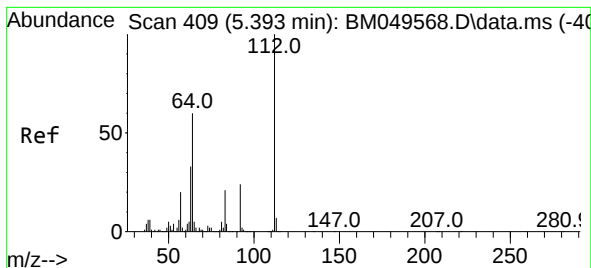
Tgt Ion: 79 Resp: 965661
Ion Ratio Lower Upper
79 100
52 61.1 54.5 81.7
51 30.2 29.0 43.6



#4
n-Nitrosodimethylamine
Concen: 30.798 ng
RT: 3.587 min Scan# 102
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion: 42 Resp: 397049
Ion Ratio Lower Upper
42 100
74 152.8 101.3 151.9#
44 7.4 6.5 9.7

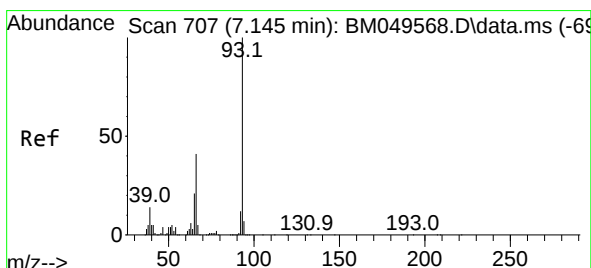
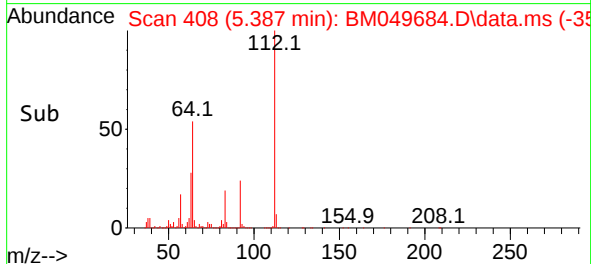
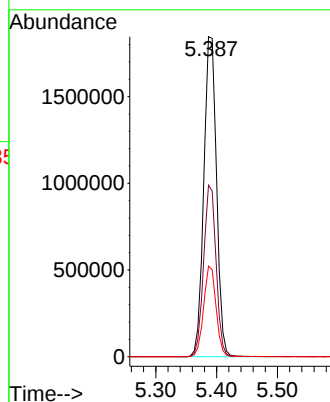
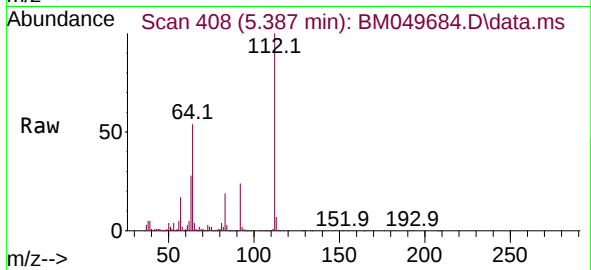




#5
2-Fluorophenol
Concen: 114.004 ng
RT: 5.387 min Scan# 409
Delta R.T. -0.006 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

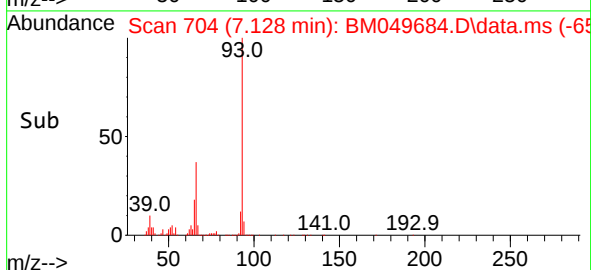
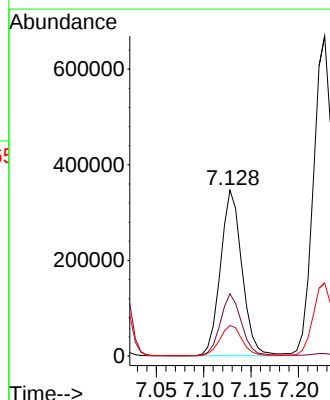
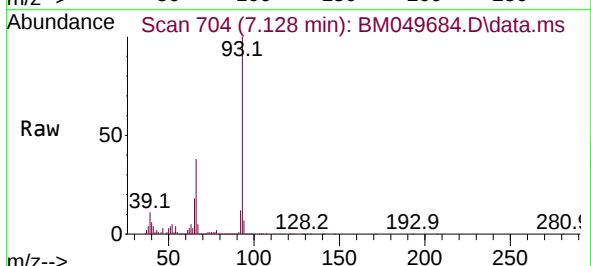
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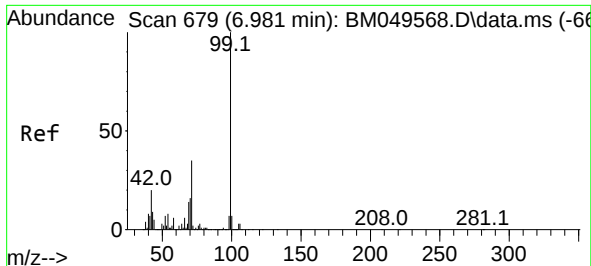
Tgt Ion:112 Resp: 2688590
Ion Ratio Lower Upper
112 100
64 53.6 47.8 71.8
63 28.3 26.2 39.4



#6
Aniline
Concen: 18.721 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion: 93 Resp: 548223
Ion Ratio Lower Upper
93 100
66 37.6 33.3 49.9
65 18.4 16.8 25.2

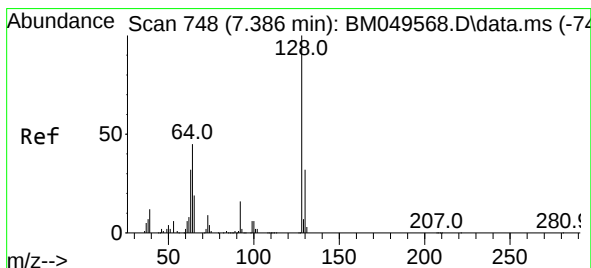
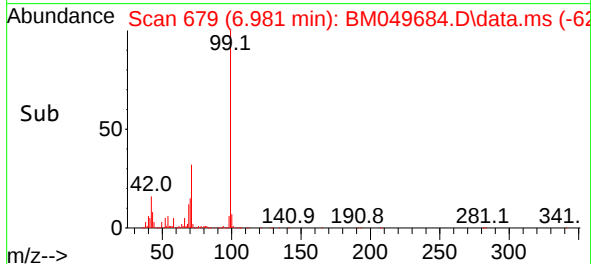
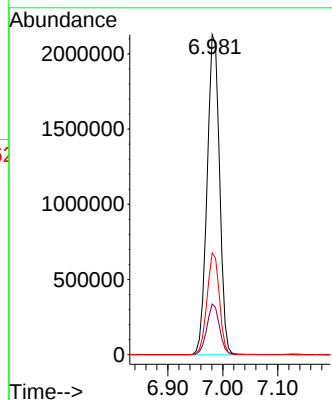
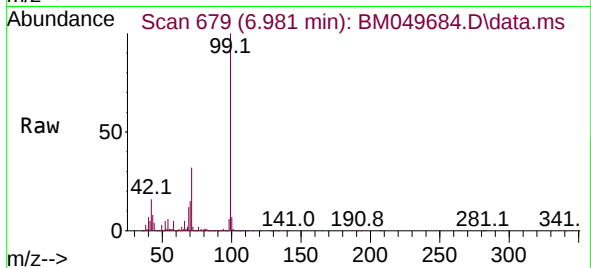




#7
Phenol-d6
Concen: 108.043 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

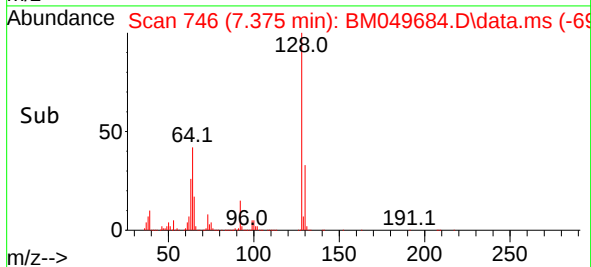
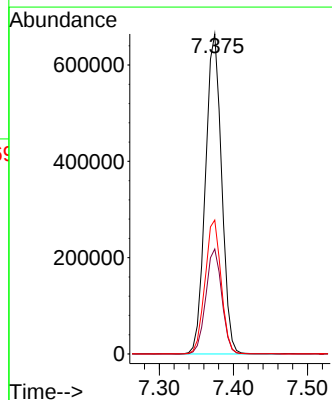
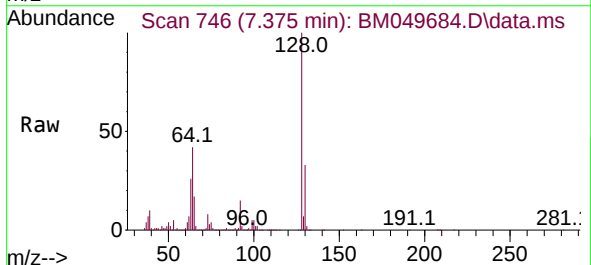
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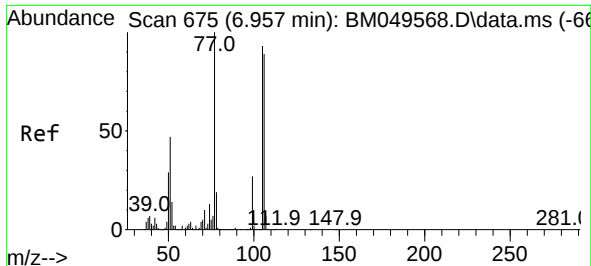
Tgt Ion: 99 Resp: 3338218
Ion Ratio Lower Upper
99 100
42 15.9 16.0 24.0#
71 31.8 27.8 41.6



#8
2-Chlorophenol
Concen: 42.776 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.012 min
Lab File: BM049684.D
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Tgt Ion:128 Resp: 1007304
Ion Ratio Lower Upper
128 100
130 32.8 12.4 52.4
64 41.9 28.7 68.7

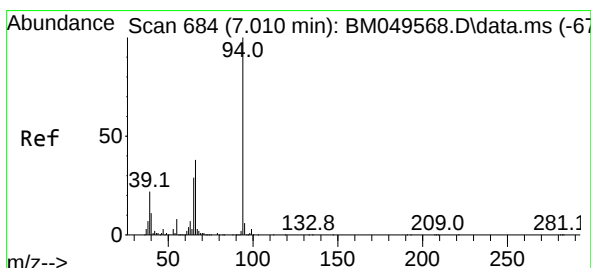
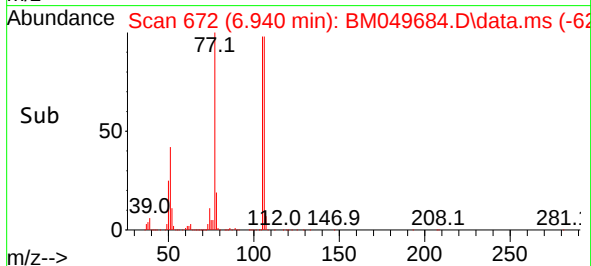
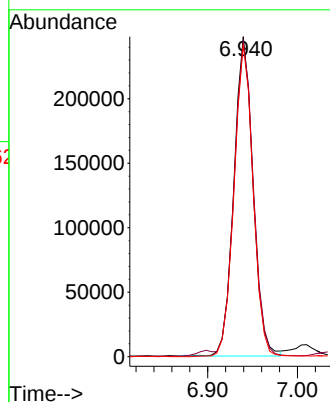
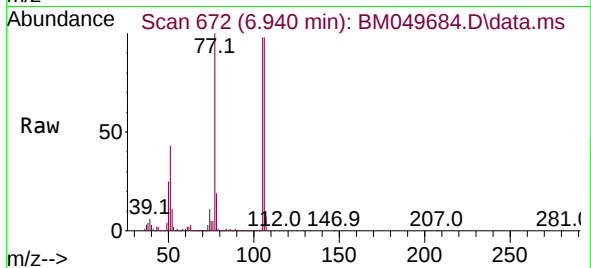




#9
Benzaldehyde
Concen: 22.446 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.018 min
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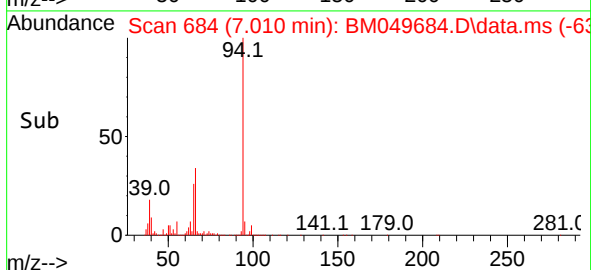
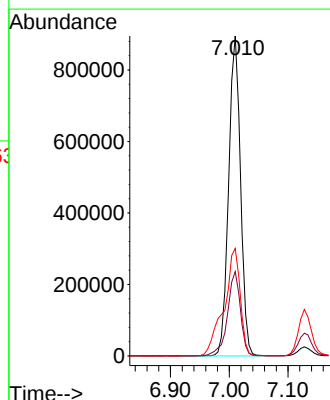
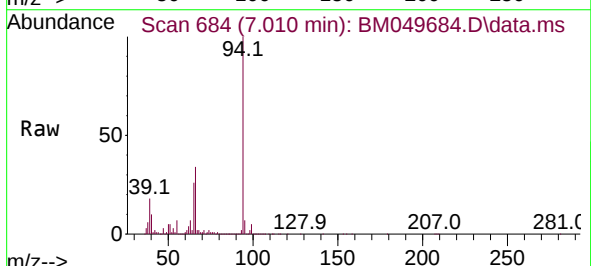
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

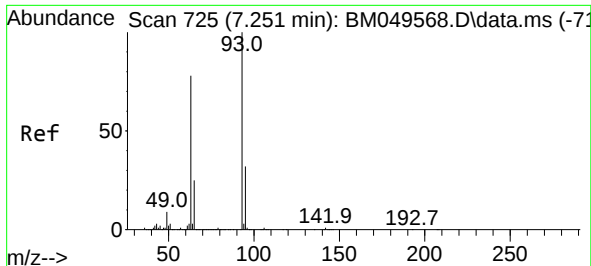
Tgt Ion: 77 Resp: 367203
Ion Ratio Lower Upper
77 100
105 98.4 72.7 112.7
106 97.5 68.9 108.9



#10
Phenol
Concen: 41.253 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.000 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion: 94 Resp: 1255427
Ion Ratio Lower Upper
94 100
65 26.4 9.3 49.3
66 33.6 17.7 57.7

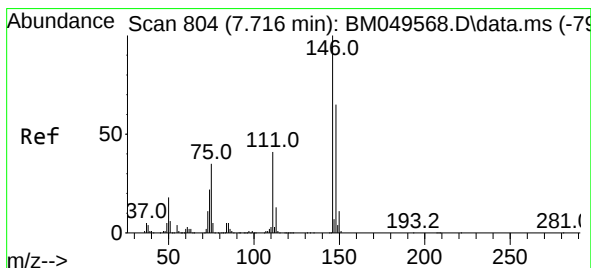
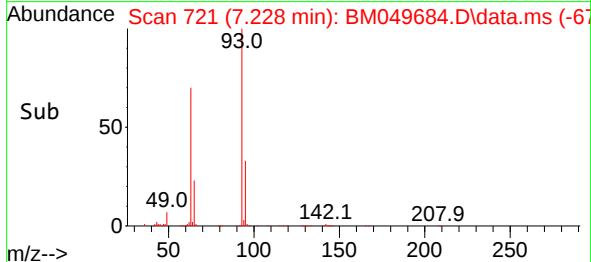
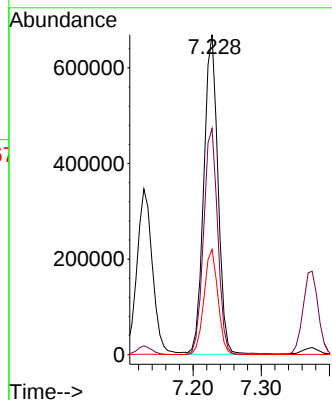
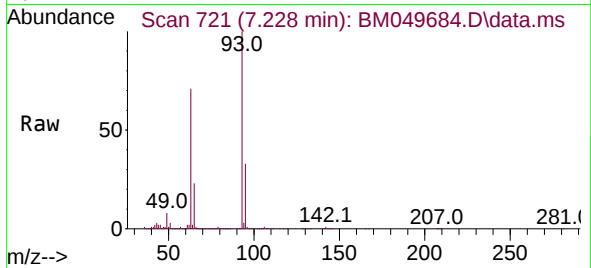




#11
bis(2-Chloroethyl)ether
Concen: 39.260 ng
RT: 7.228 min Scan# 71
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

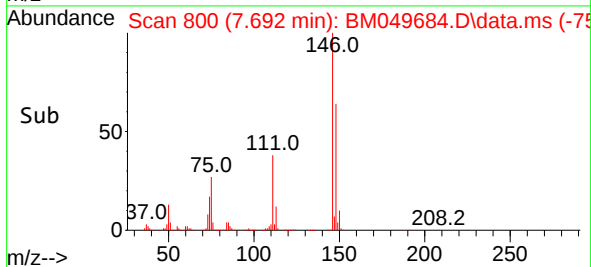
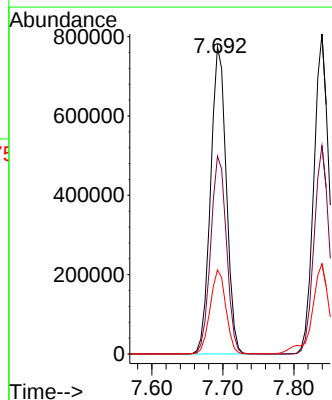
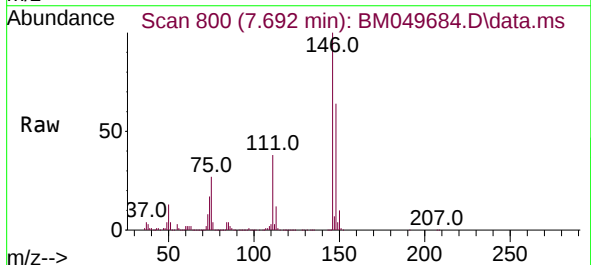
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

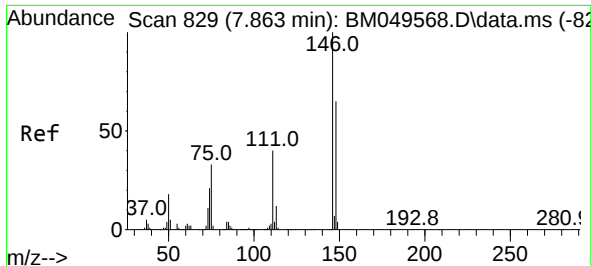
Tgt Ion: 93 Resp: 966585
Ion Ratio Lower Upper
93 100
63 70.7 57.3 97.3
95 32.9 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 43.465 ng
RT: 7.692 min Scan# 800
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:146 Resp: 1188060
Ion Ratio Lower Upper
146 100
148 64.4 52.2 78.2
75 27.3 28.3 42.5#

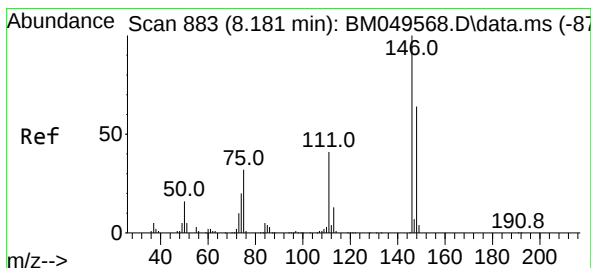
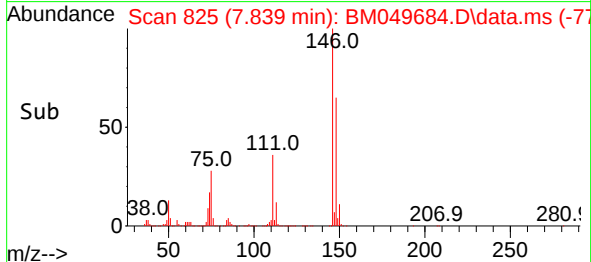
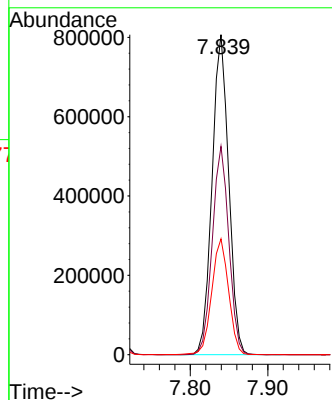
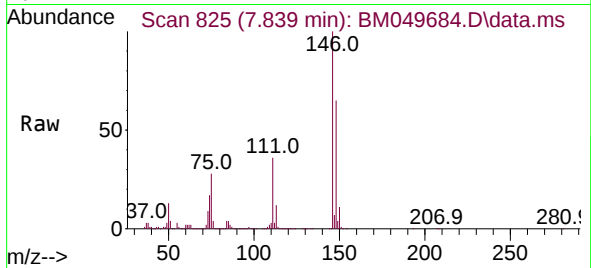




#13
1,4-Dichlorobenzene
Concen: 43.412 ng
RT: 7.839 min Scan# 81
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

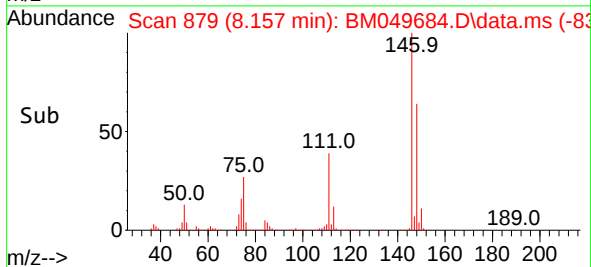
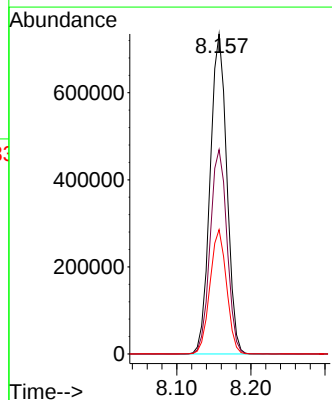
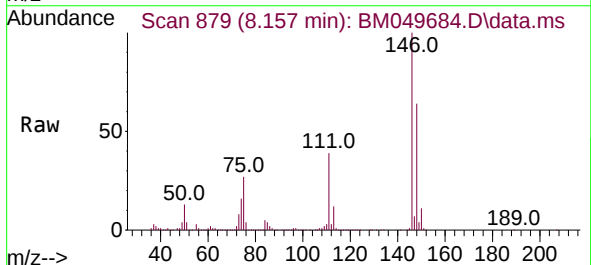
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

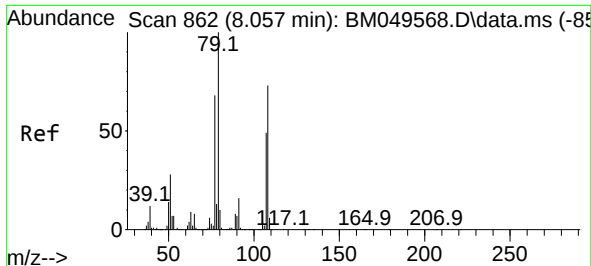
Tgt Ion:146 Resp: 1200242
Ion Ratio Lower Upper
146 100
148 65.1 52.1 78.1
111 36.2 31.7 47.5



#14
1,2-Dichlorobenzene
Concen: 43.054 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:146 Resp: 1149366
Ion Ratio Lower Upper
146 100
148 63.8 51.5 77.3
111 38.8 33.4 50.0

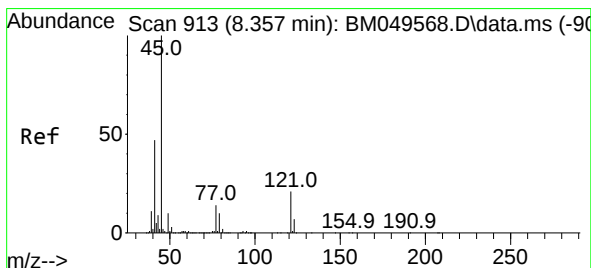
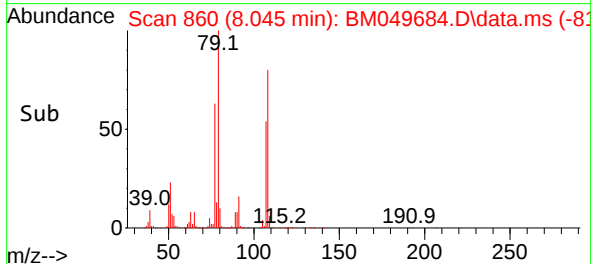
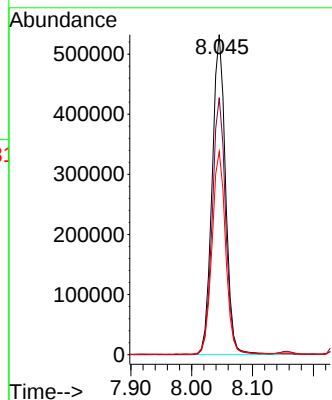
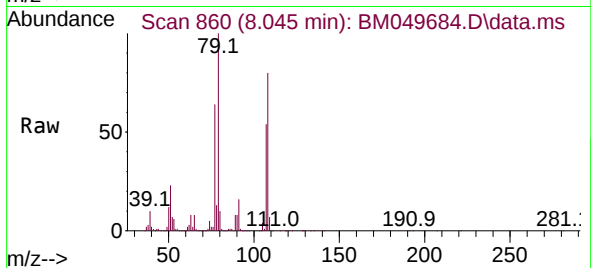




#15
Benzyl Alcohol
Concen: 37.898 ng
RT: 8.045 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

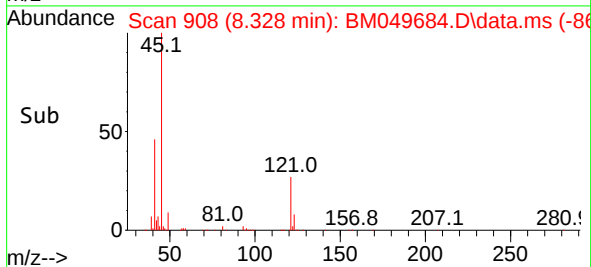
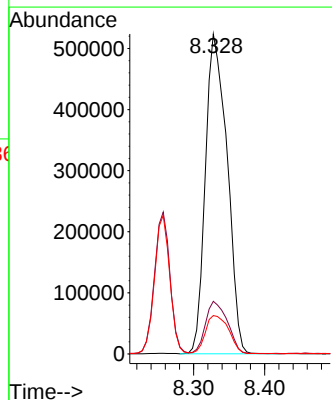
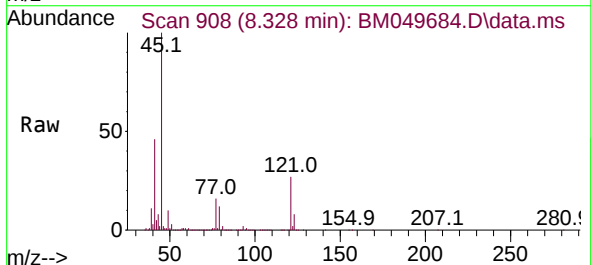
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

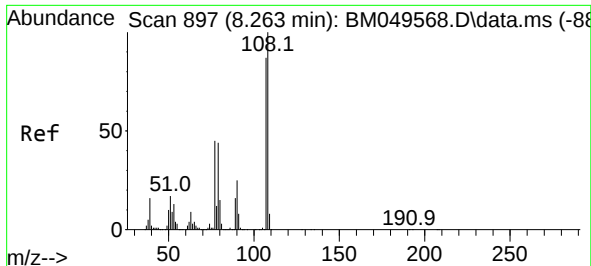
Tgt Ion: 79 Resp: 814644
Ion Ratio Lower Upper
79 100
108 80.3 58.6 88.0
77 63.5 54.0 81.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.527 ng
RT: 8.328 min Scan# 908
Delta R.T. -0.029 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion: 45 Resp: 1111197
Ion Ratio Lower Upper
45 100
77 16.5 0.0 34.0
79 12.0 0.0 30.8

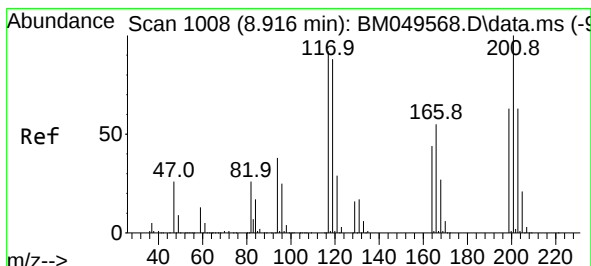
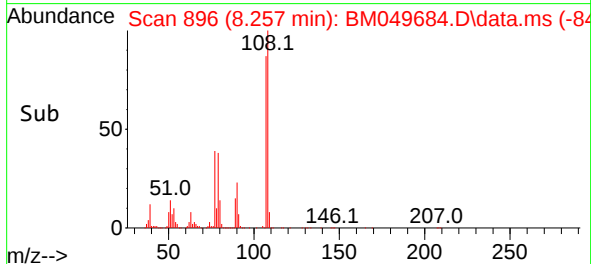
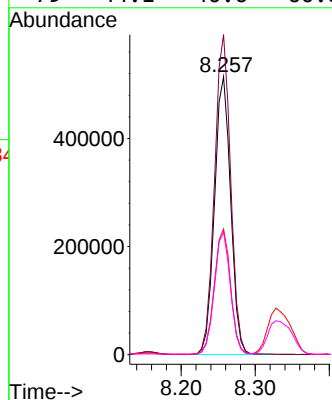
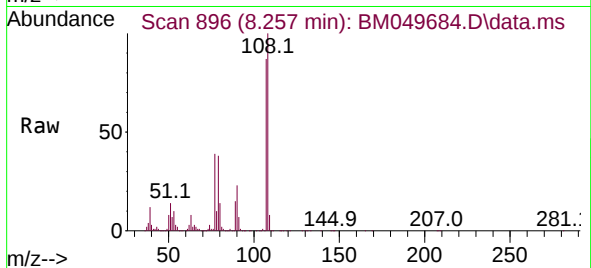




#17
2-Methylphenol
Concen: 41.819 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

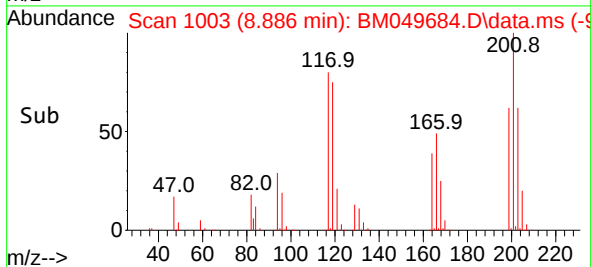
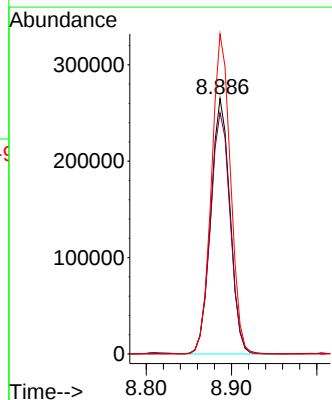
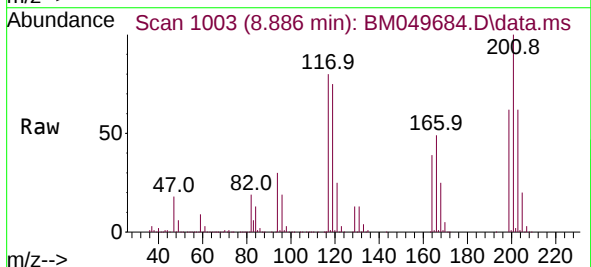
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

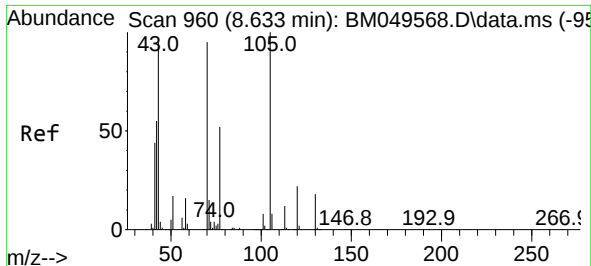
Tgt Ion:	107	Resp:	778173
Ion	Ratio	Lower	Upper
107	100		
108	115.2	92.2	138.4
77	45.2	41.3	61.9
79	44.1	40.6	60.8



#18
Hexachloroethane
Concen: 41.193 ng
RT: 8.886 min Scan# 1003
Delta R.T. -0.029 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:	117	Resp:	416005
Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.8	115.2
201	125.3	87.0	130.6

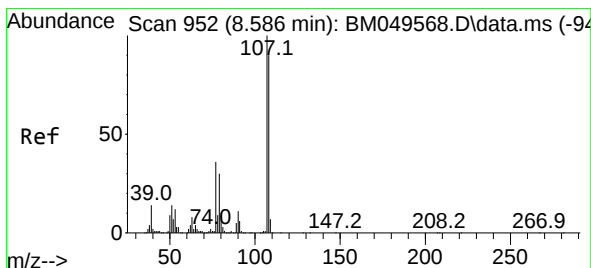
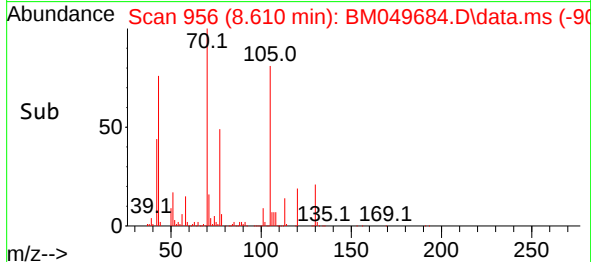
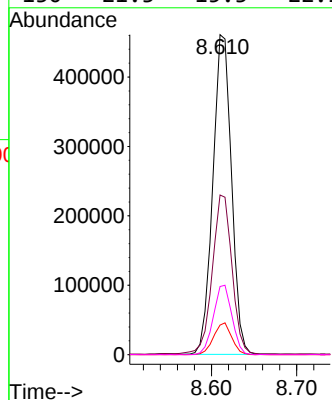
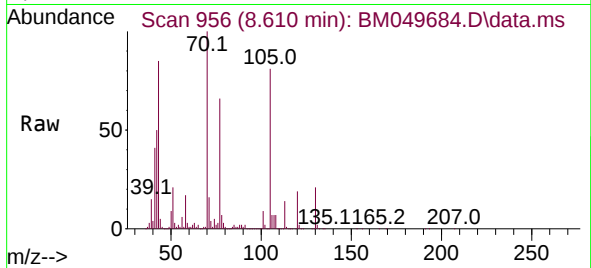




#19
n-Nitroso-di-n-propylamine
Concen: 34.587 ng
RT: 8.610 min Scan# 91
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

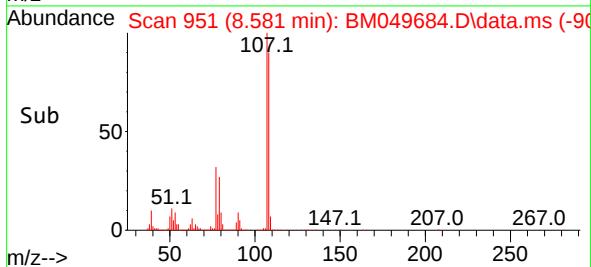
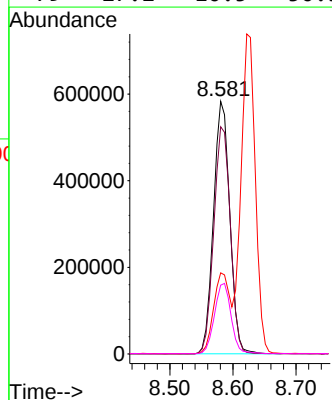
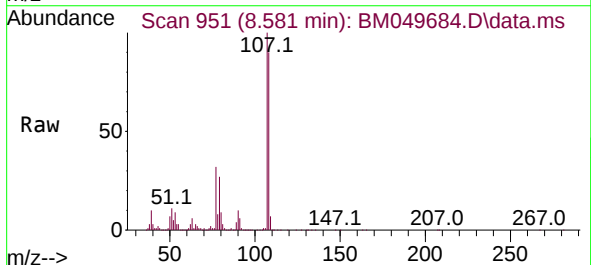
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

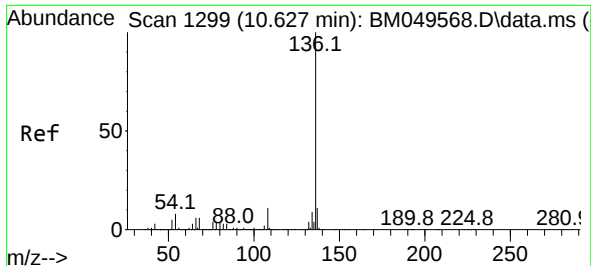
Tgt Ion: 70 Resp: 699794
Ion Ratio Lower Upper
70 100
42 49.9 47.4 71.2
101 9.3 7.1 10.7
130 21.3 15.3 22.9



#20
3+4-Methylphenols
Concen: 42.547 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion: 107 Resp: 1045132
Ion Ratio Lower Upper
107 100
108 89.9 69.6 109.6
77 32.1 16.0 56.0
79 27.2 10.5 50.5

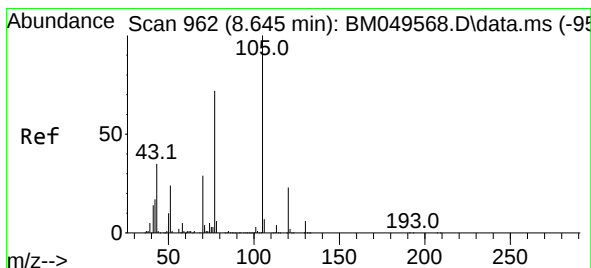
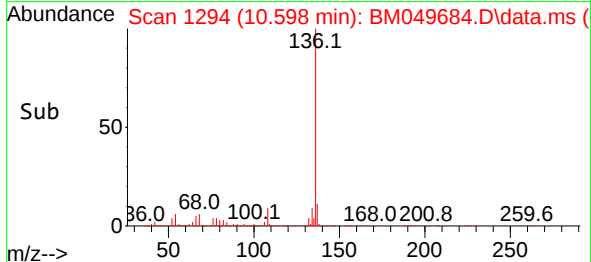
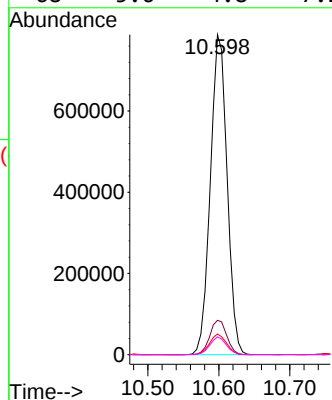
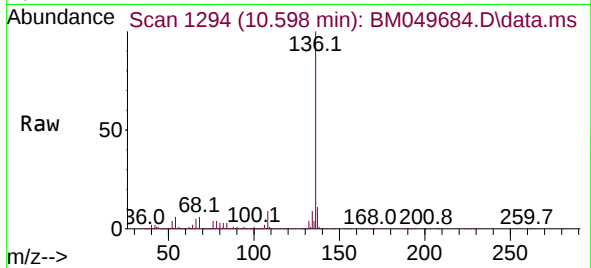




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 11
Delta R.T. -0.029 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

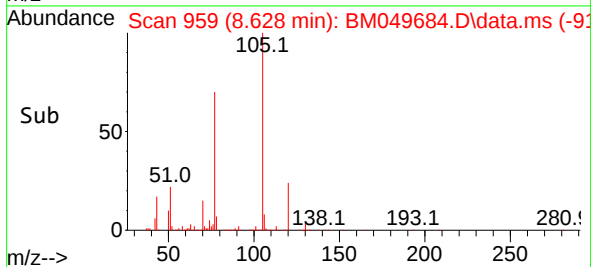
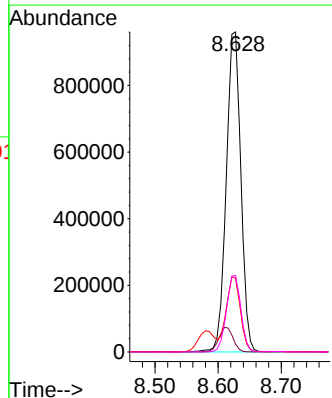
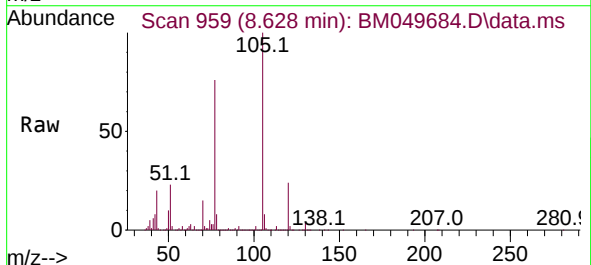
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ClientSampleId :
SP-SOILMSD

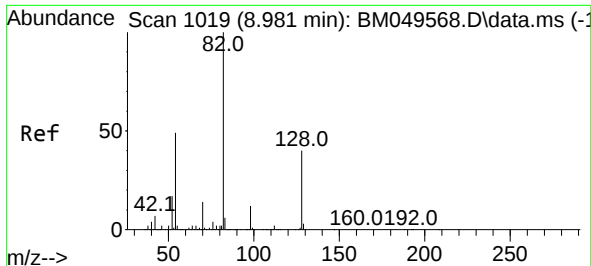
Tgt Ion:136 Resp: 1288200
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.4 6.6 10.0#
68 5.6 4.8 7.2



#22
Acetophenone
Concen: 44.476 ng
RT: 8.628 min Scan# 959
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:105 Resp: 1543150
Ion Ratio Lower Upper
105 100
71 2.5 3.5 5.3#
51 23.0 21.7 32.5
120 23.9 18.1 27.1

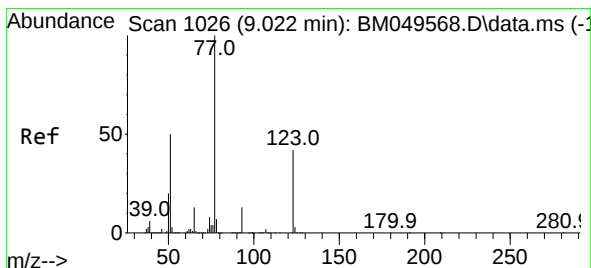
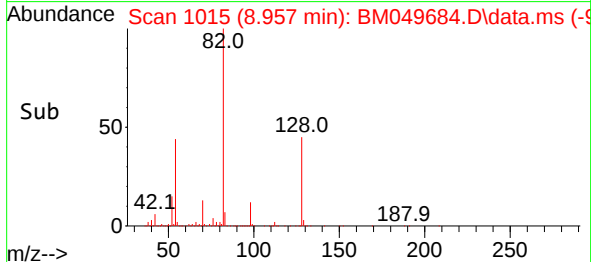
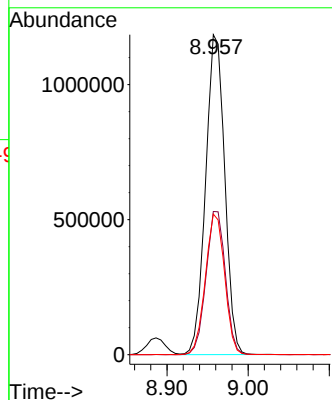
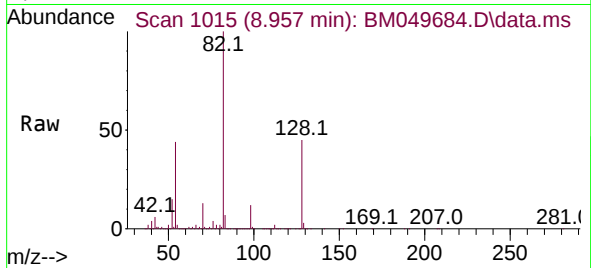




#23
Nitrobenzene-d5
Concen: 77.282 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

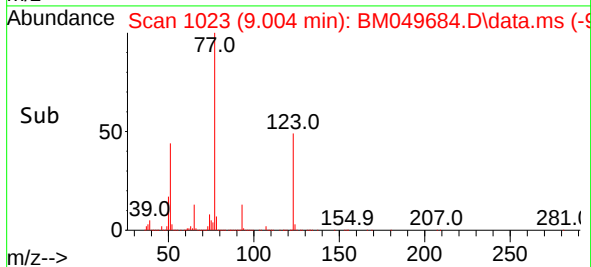
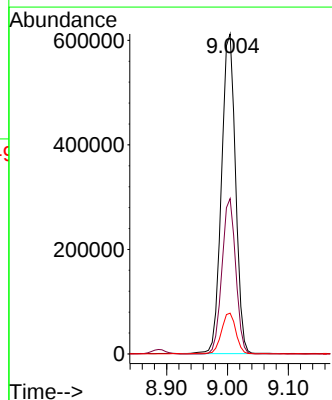
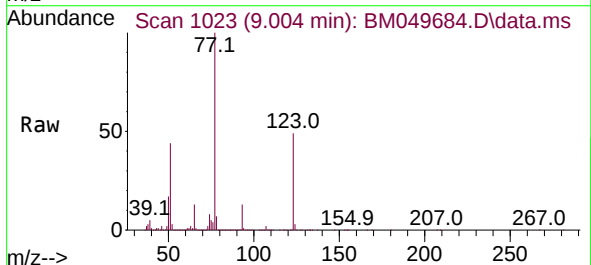
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

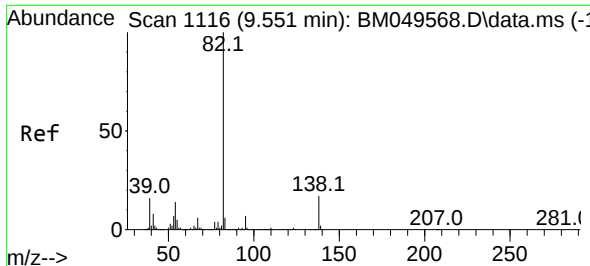
Tgt Ion: 82 Resp: 1935466
Ion Ratio Lower Upper
82 100
128 44.8 31.6 47.4
54 44.0 39.4 59.0



#24
Nitrobenzene
Concen: 40.239 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion: 77 Resp: 979103
Ion Ratio Lower Upper
77 100
123 48.6 33.4 50.2
65 12.7 10.5 15.7

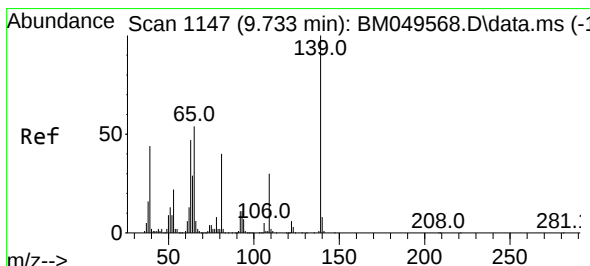
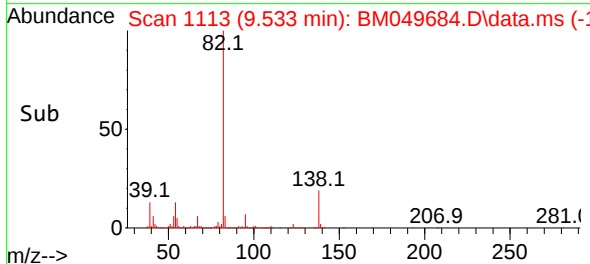
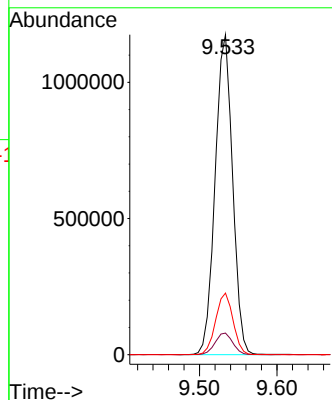
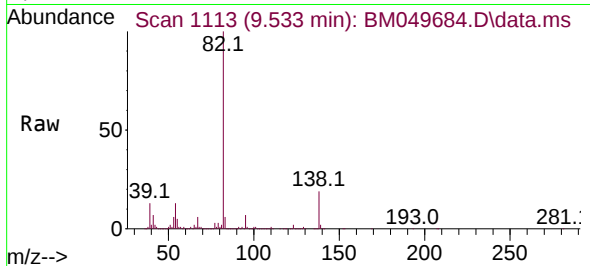




#25
Isophorone
Concen: 40.632 ng
RT: 9.533 min Scan# 1113
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

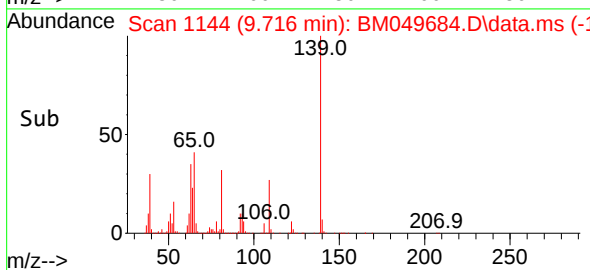
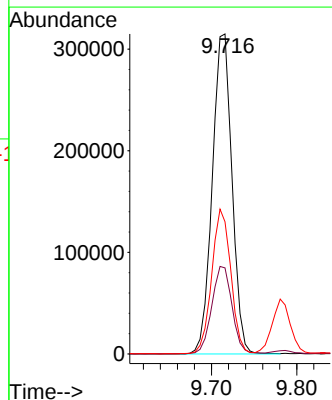
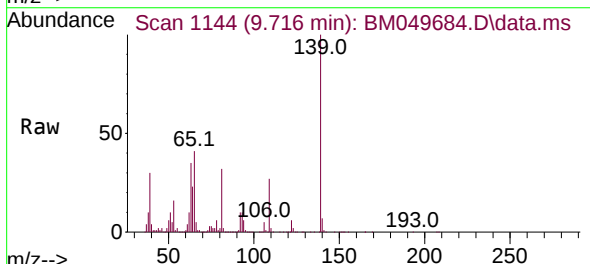
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

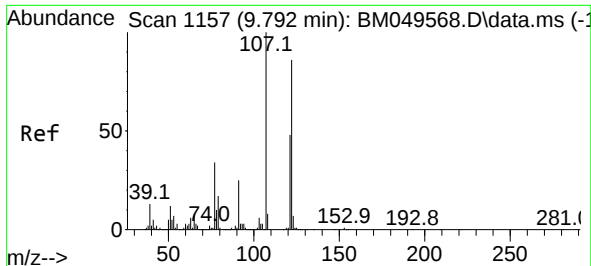
Tgt Ion: 82 Resp: 1835196
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 19.3 13.6 20.4



#26
2-Nitrophenol
Concen: 57.606 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:139 Resp: 505116
Ion Ratio Lower Upper
139 100
109 26.9 24.2 36.2
65 41.3 43.4 65.2#

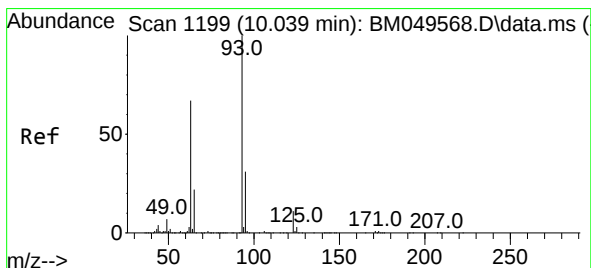
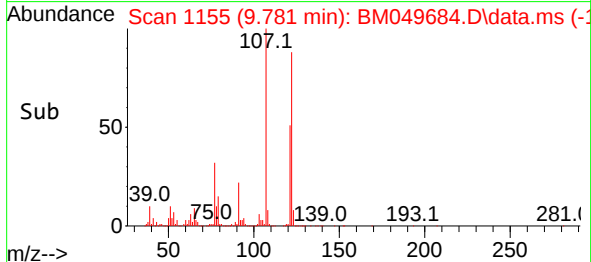
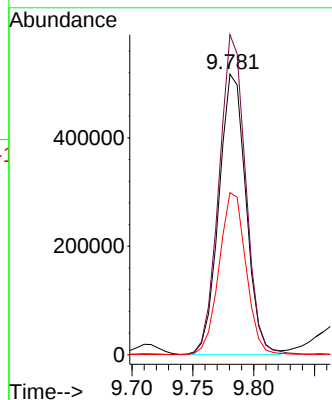
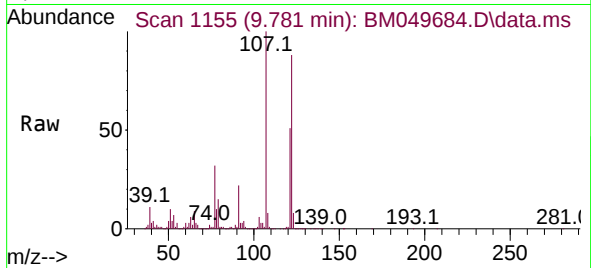




#27
2,4-Dimethylphenol
Concen: 56.045 ng
RT: 9.781 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

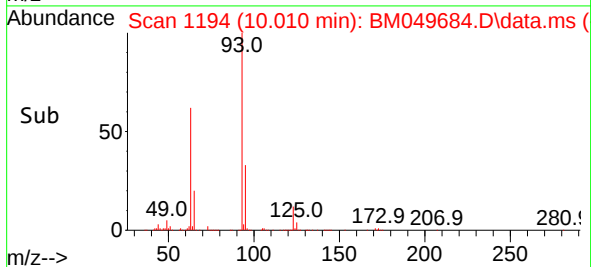
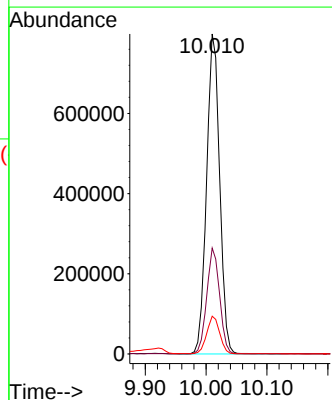
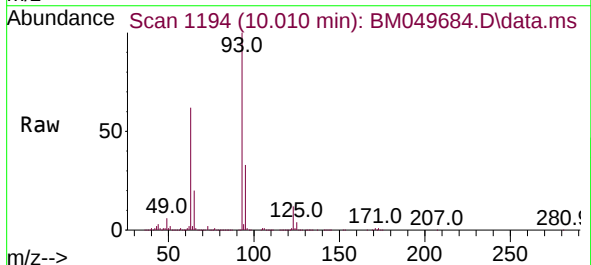
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

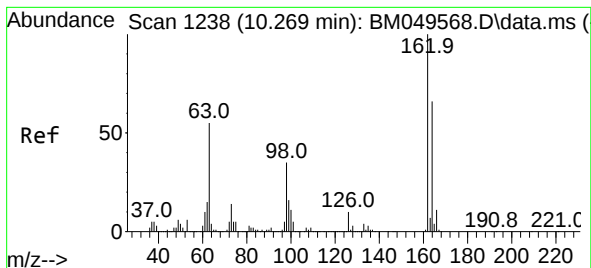
Tgt Ion:122 Resp: 800386
Ion Ratio Lower Upper
122 100
107 114.1 93.2 139.8
121 57.8 44.4 66.6



#28
bis(2-Chloroethoxy)methane
Concen: 40.883 ng
RT: 10.010 min Scan# 1194
Delta R.T. -0.029 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion: 93 Resp: 1189294
Ion Ratio Lower Upper
93 100
95 33.1 25.2 37.8
123 11.8 8.6 12.8

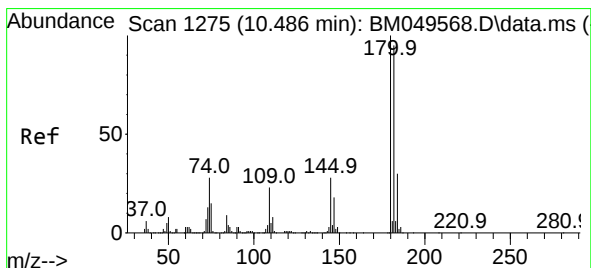
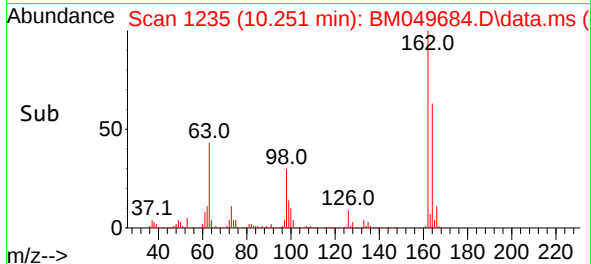
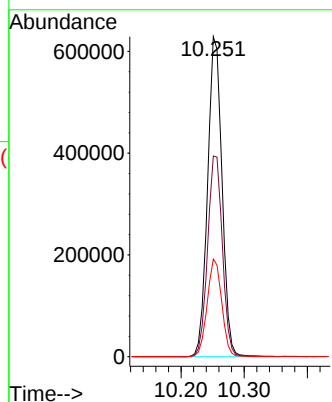
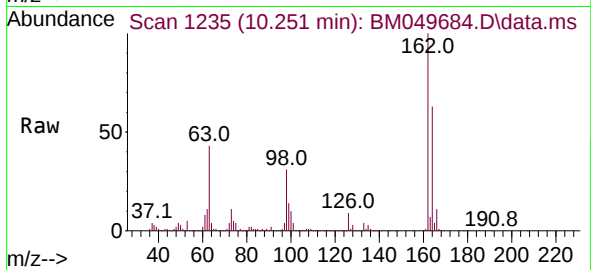




#29
2,4-Dichlorophenol
Concen: 50.650 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

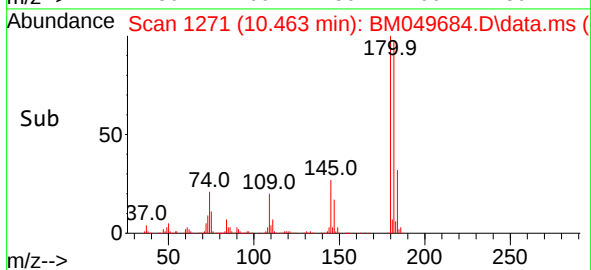
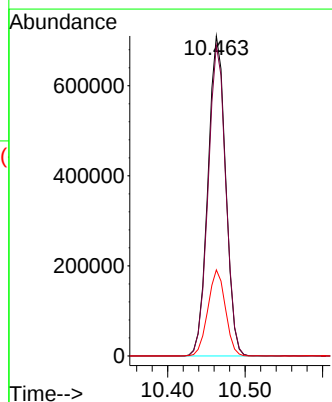
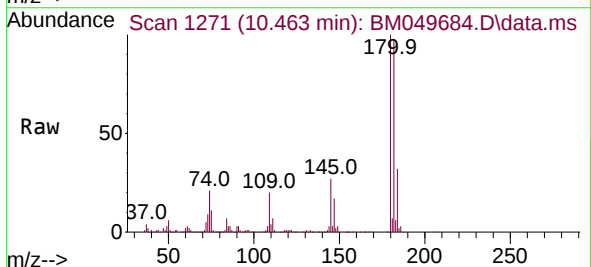
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

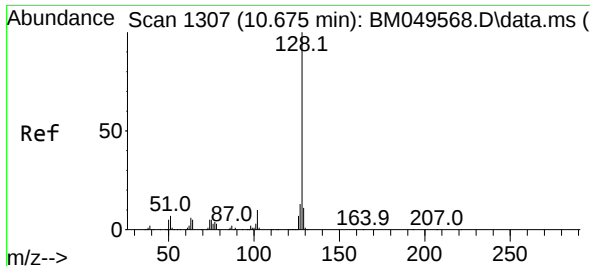
Tgt Ion:162 Resp: 996149
Ion Ratio Lower Upper
162 100
164 62.7 46.0 86.0
98 30.5 14.7 54.7



#30
1,2,4-Trichlorobenzene
Concen: 46.704 ng
RT: 10.463 min Scan# 1271
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:180 Resp: 1125353
Ion Ratio Lower Upper
180 100
182 97.1 76.4 114.6
145 26.9 22.5 33.7

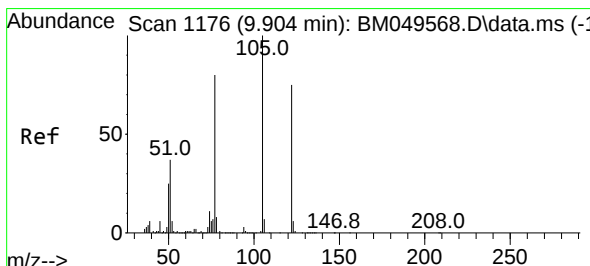
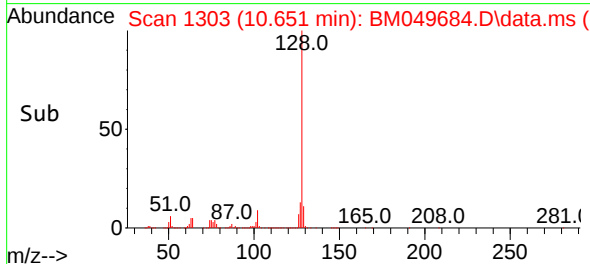
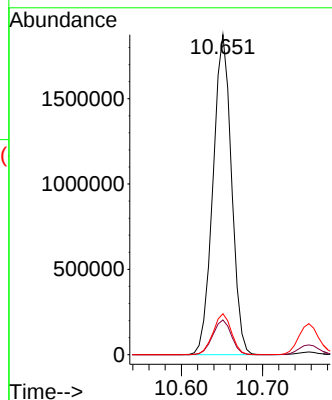
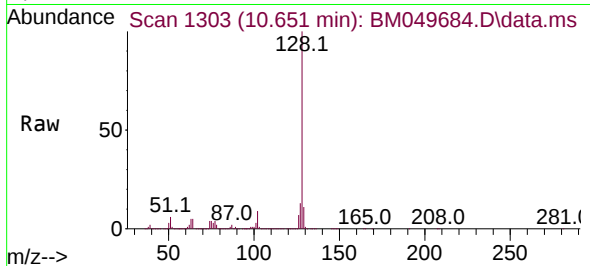




#31
Naphthalene
Concen: 43.621 ng
RT: 10.651 min Scan# 1119
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

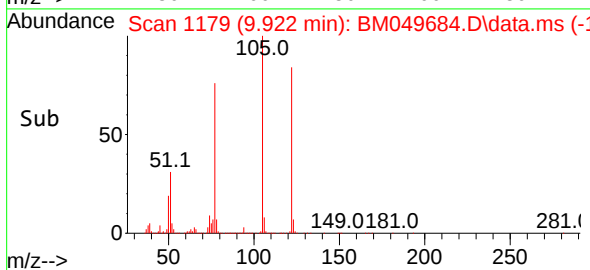
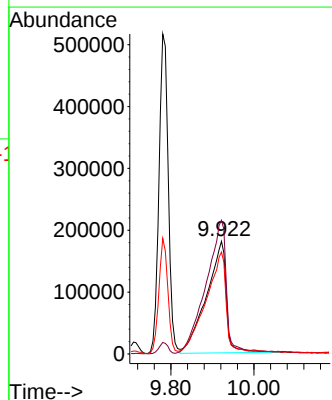
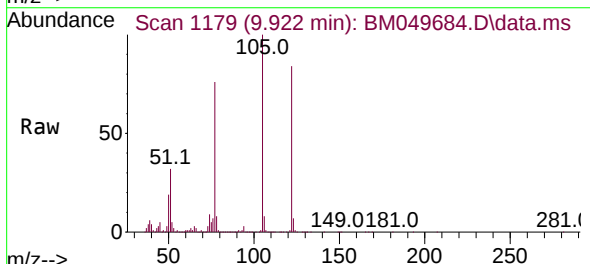
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

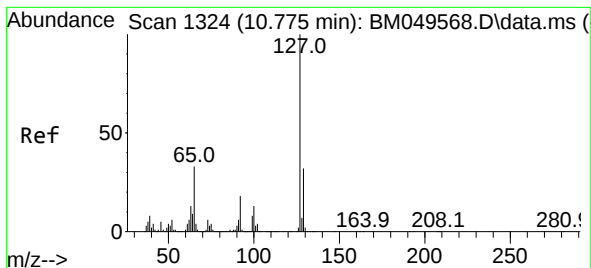
Tgt Ion:128 Resp: 2963609
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.8 10.6 15.8



#32
Benzoic acid
Concen: 60.729 ng
RT: 9.922 min Scan# 1179
Delta R.T. 0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:122 Resp: 598243
Ion Ratio Lower Upper
122 100
105 118.7 103.6 143.6
77 90.4 82.4 122.4

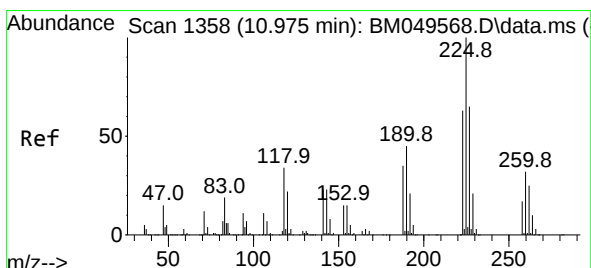
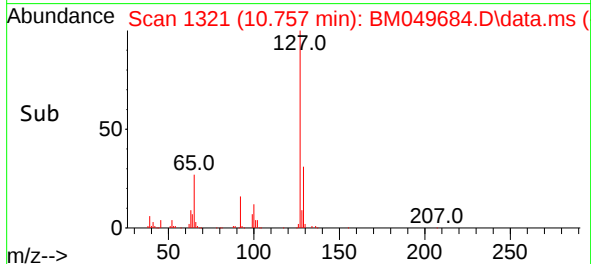
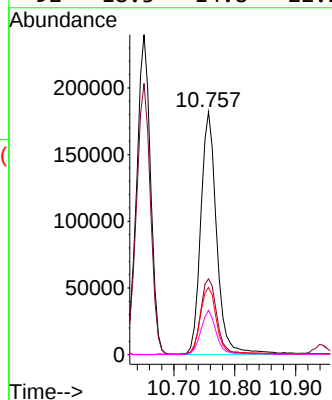
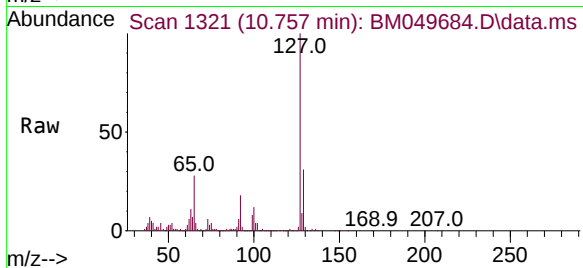




#33
4-Chloroaniline
Concen: 13.003 ng
RT: 10.757 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

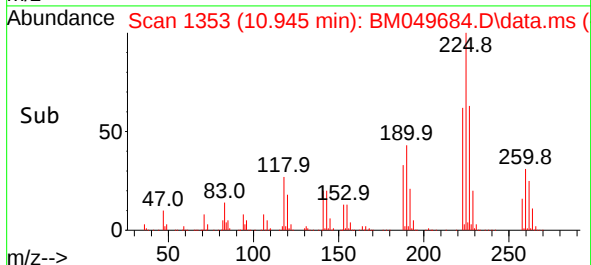
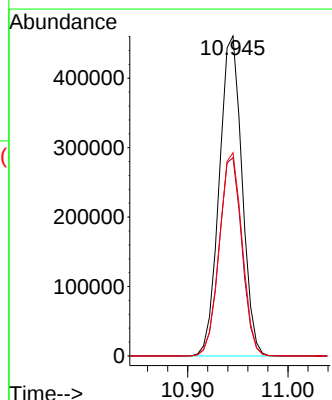
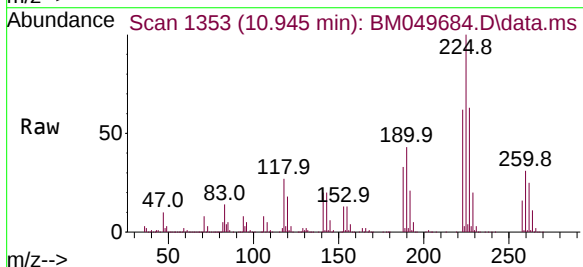
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

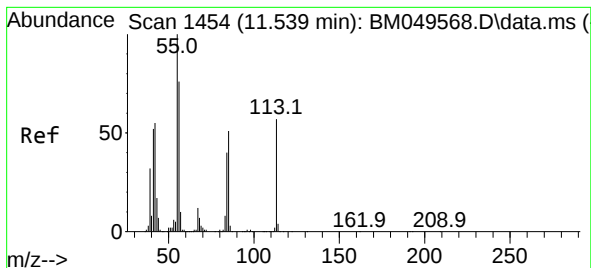
Tgt Ion:	127	Resp:	330668
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.8	38.8
65	27.7	26.4	39.6
92	18.3	14.8	22.2



#34
Hexachlorobutadiene
Concen: 50.271 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.029 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:	225	Resp:	725384
Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.6	75.8
227	63.5	51.8	77.6

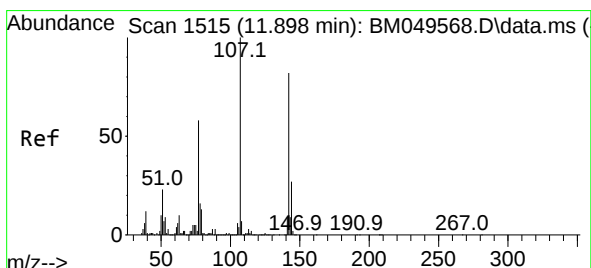
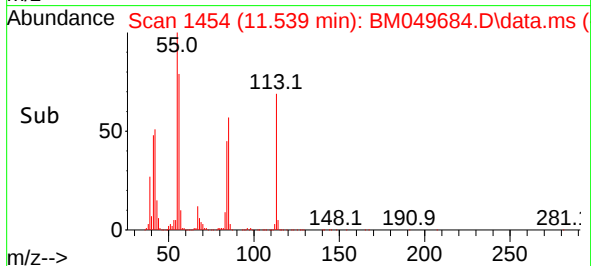
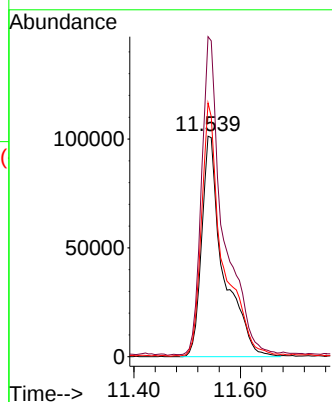
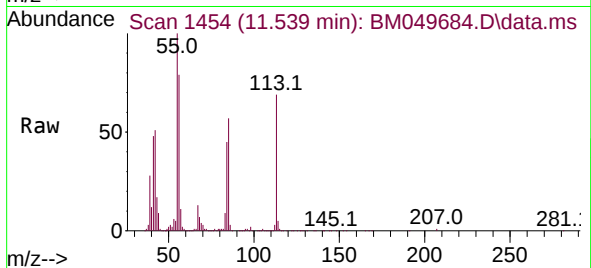




#35
Caprolactam
Concen: 47.599 ng
RT: 11.539 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

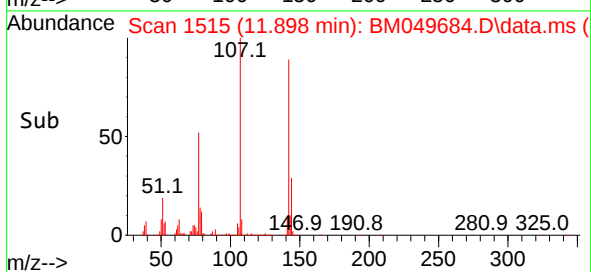
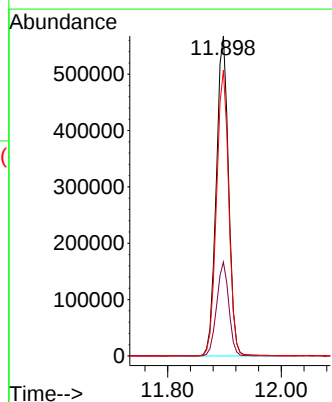
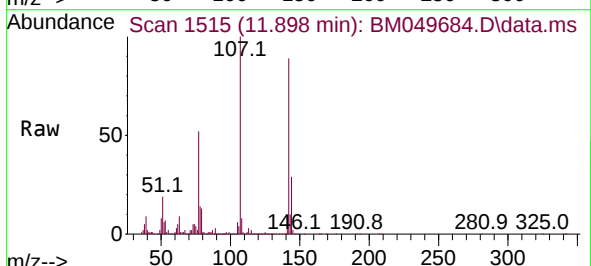
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

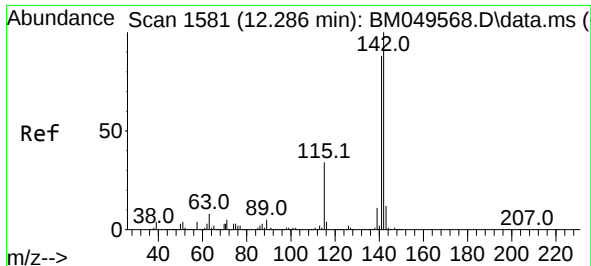
Tgt Ion:113 Resp: 285596
Ion Ratio Lower Upper
113 100
55 145.1 157.5 197.5#
56 115.0 114.6 154.6



#36
4-Chloro-3-methylphenol
Concen: 43.271 ng
RT: 11.898 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:107 Resp: 848699
Ion Ratio Lower Upper
107 100
144 29.3 21.2 31.8
142 89.3 65.4 98.2

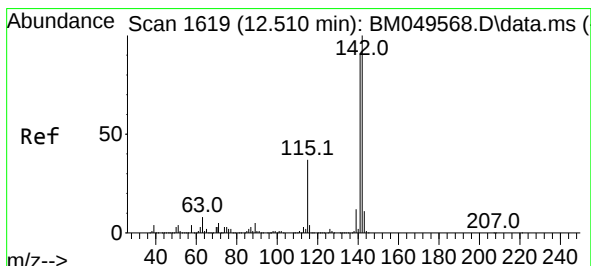
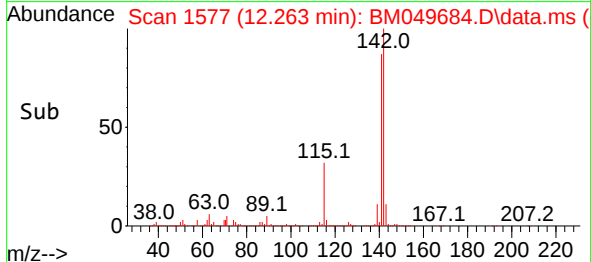
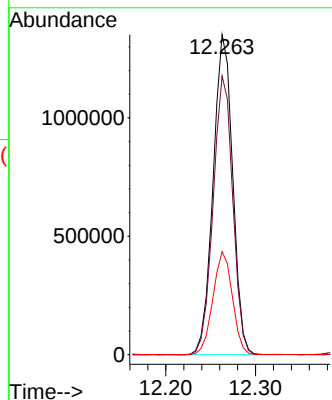
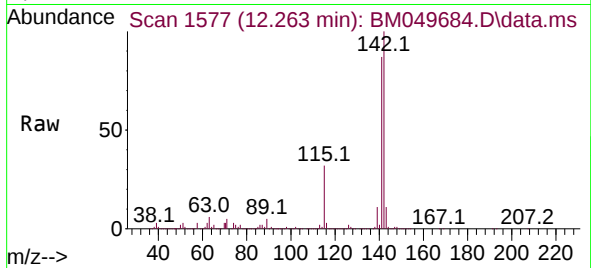




#37
2-Methylnaphthalene
Concen: 42.721 ng
RT: 12.263 min Scan# 11
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

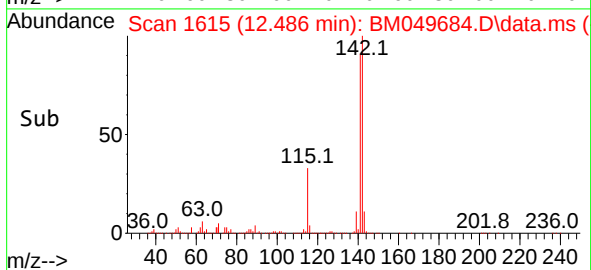
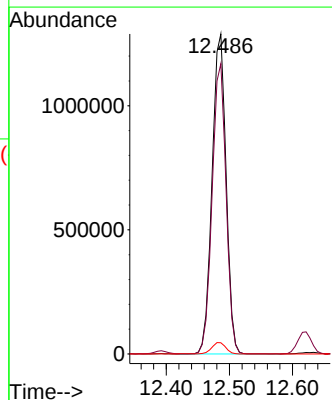
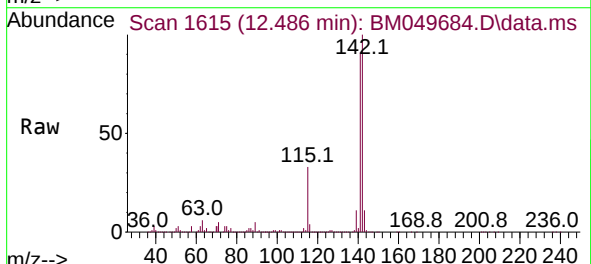
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

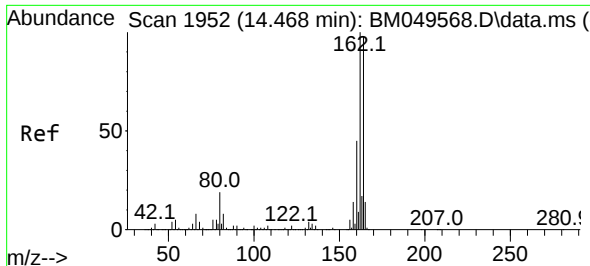
Tgt Ion:142 Resp: 2043541
Ion Ratio Lower Upper
142 100
141 87.1 70.2 105.4
115 32.2 27.5 41.3



#38
1-Methylnaphthalene
Concen: 42.542 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:142 Resp: 1979958
Ion Ratio Lower Upper
142 100
141 90.7 73.1 109.7
116 3.5 3.1 4.7

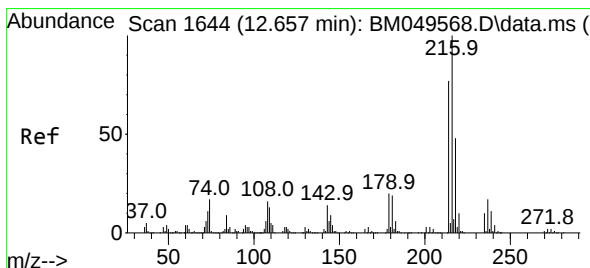
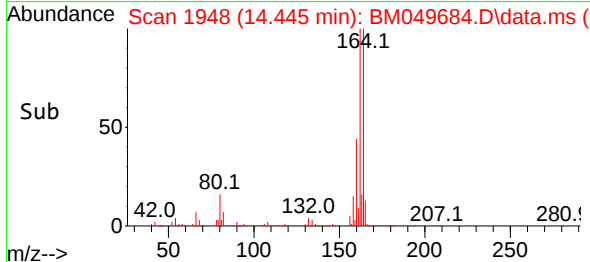
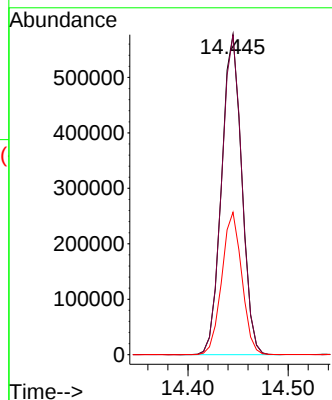
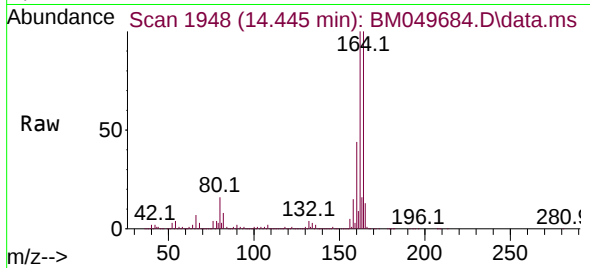




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1952
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

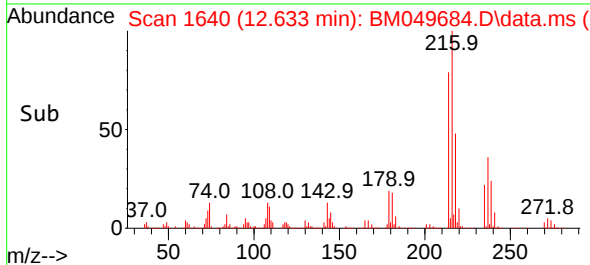
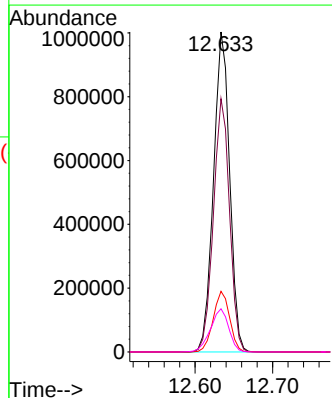
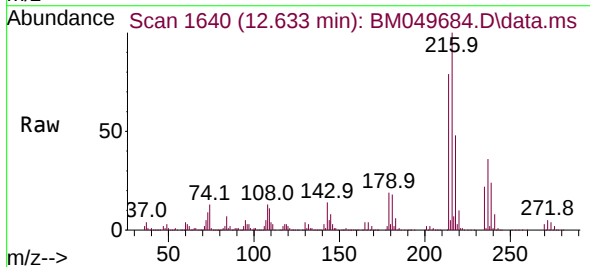
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

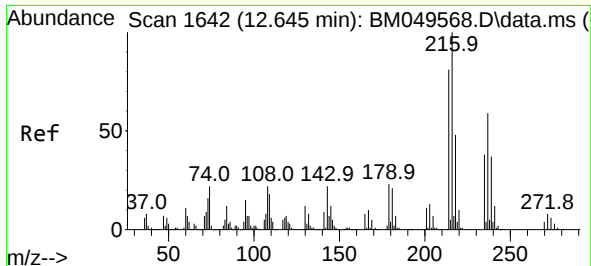
Tgt Ion:164 Resp: 805687
Ion Ratio Lower Upper
164 100
162 99.8 81.4 122.0
160 44.5 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.753 ng
RT: 12.633 min Scan# 1640
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:216 Resp: 1450408
Ion Ratio Lower Upper
216 100
214 79.0 62.4 93.6
179 19.3 16.3 24.5
108 15.3 13.7 20.5

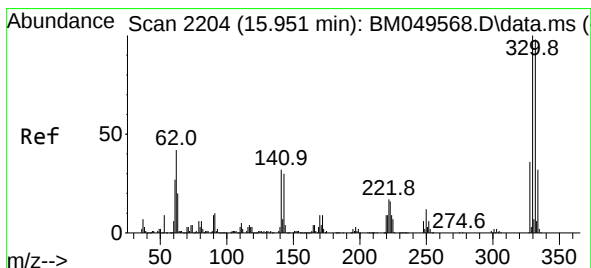
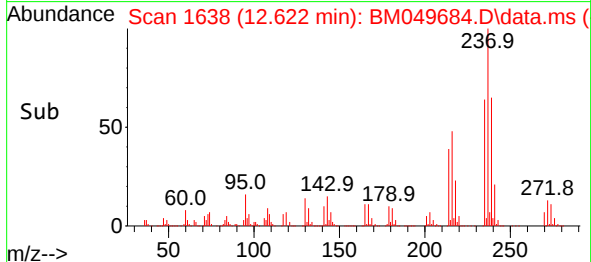
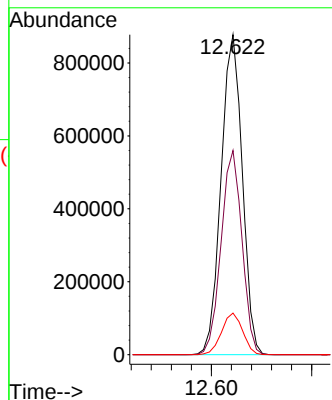
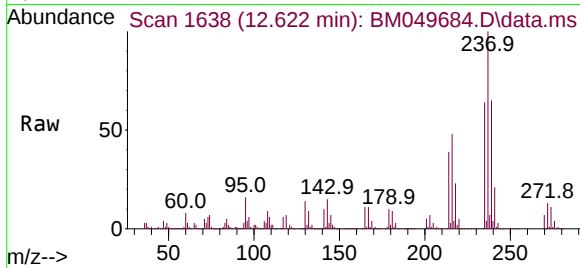




#41
Hexachlorocyclopentadiene
Concen: 190.000 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

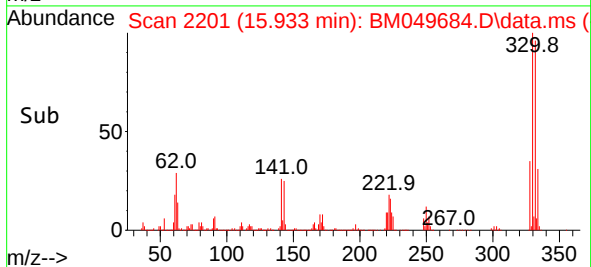
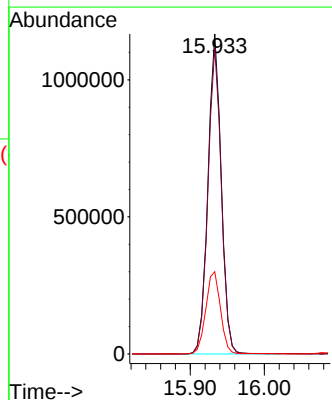
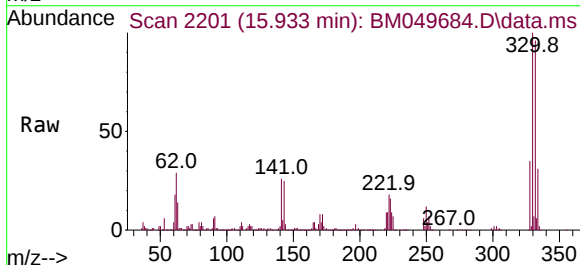
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

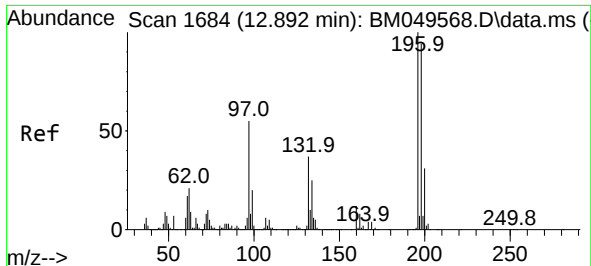
Tgt Ion:237 Resp: 1284858
Ion Ratio Lower Upper
237 100
235 63.8 43.8 83.8
272 13.0 0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 152.500 ng
RT: 15.933 min Scan# 2201
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:330 Resp: 1455881
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 28.3 28.2 42.2

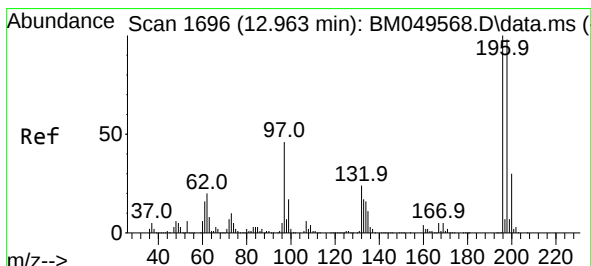
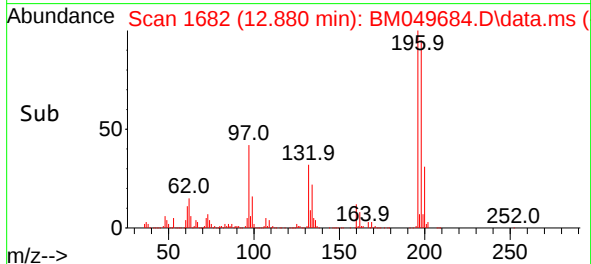
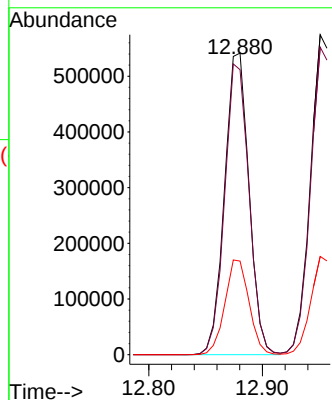
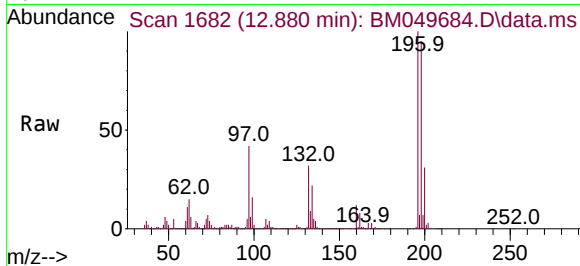




#43
2,4,6-Trichlorophenol
Concen: 56.055 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

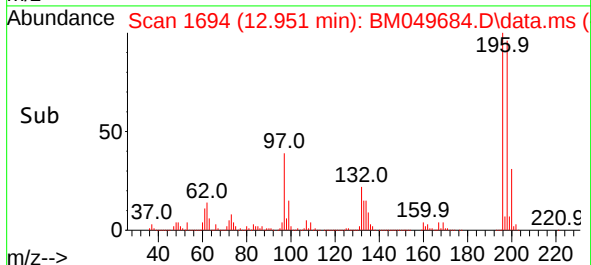
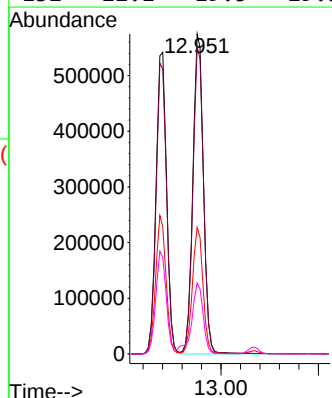
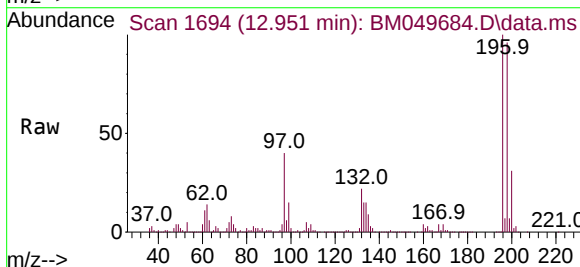
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

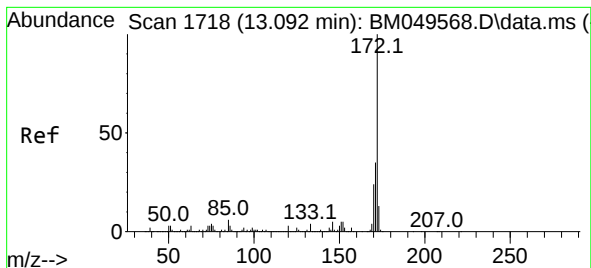
Tgt Ion:196 Resp: 810286
Ion Ratio Lower Upper
196 100
198 94.5 75.4 113.0
200 31.1 25.1 37.7



#44
2,4,5-Trichlorophenol
Concen: 54.951 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:196 Resp: 872916
Ion Ratio Lower Upper
196 100
198 96.1 78.4 117.6
97 39.5 37.4 56.0
132 22.1 19.5 29.3





#45

2-Fluorobiphenyl

Concen: 76.234 ng

RT: 13.069 min Scan# 1

Delta R.T. -0.023 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Instrument :

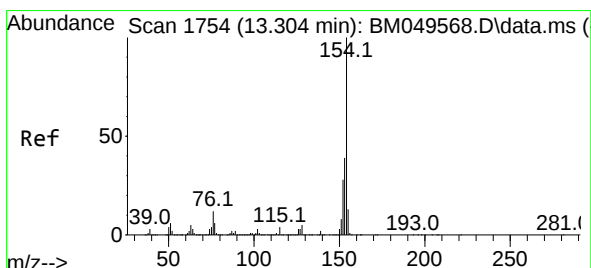
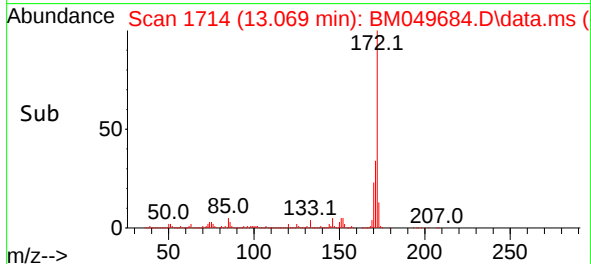
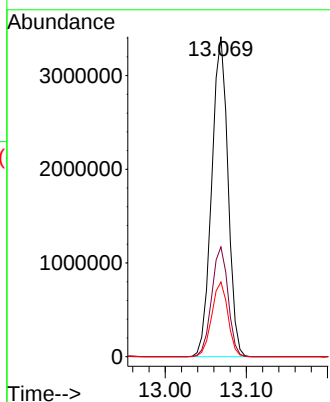
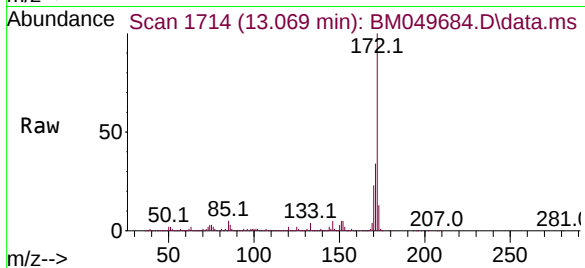
BNA_M

ClientSampleId :

SP-SOILMSD

Tgt Ion:172 Resp: 4741276

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.0	42.0
170	23.3	19.0	28.4



#46

1,1'-Biphenyl

Concen: 49.702 ng

RT: 13.280 min Scan# 1750

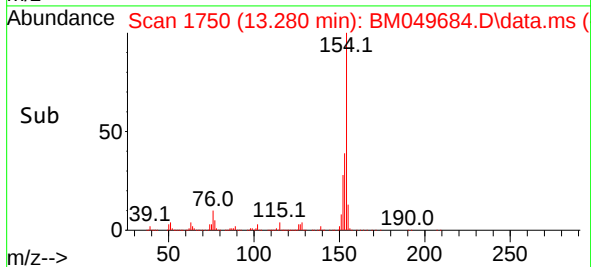
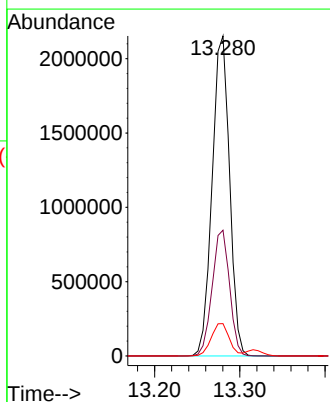
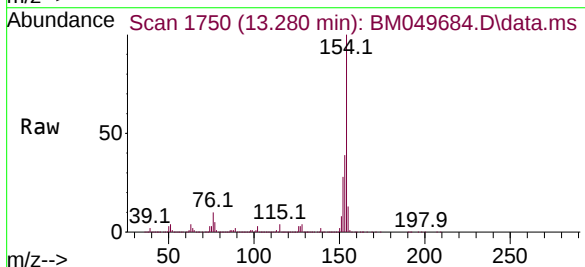
Delta R.T. -0.023 min

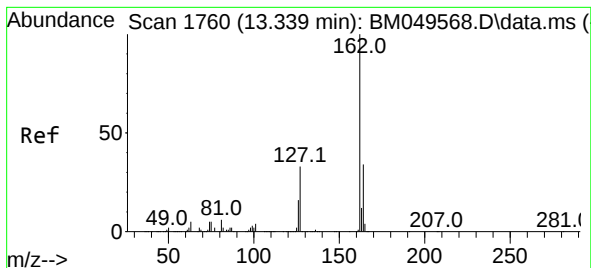
Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Tgt Ion:154 Resp: 3054792

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.5	59.5
76	10.1	0.0	32.1

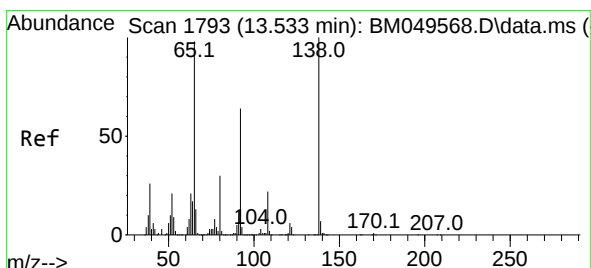
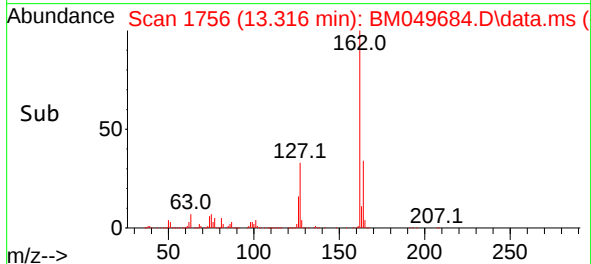
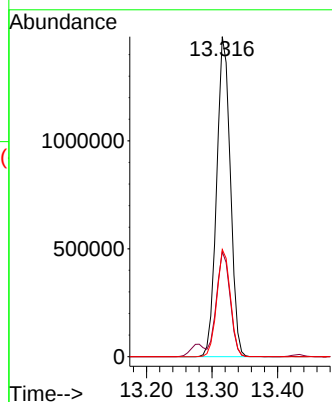
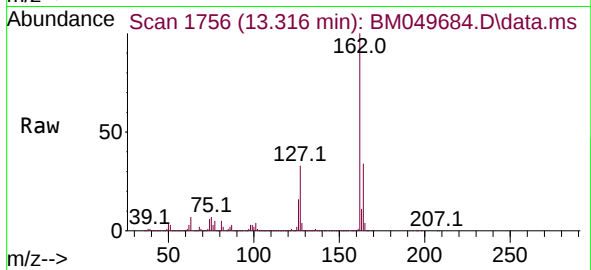




#47
2-Chloronaphthalene
Concen: 45.079 ng
RT: 13.316 min Scan# 1756
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

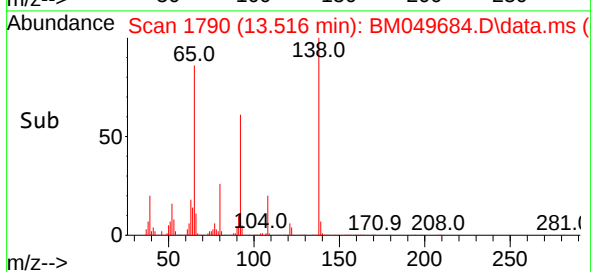
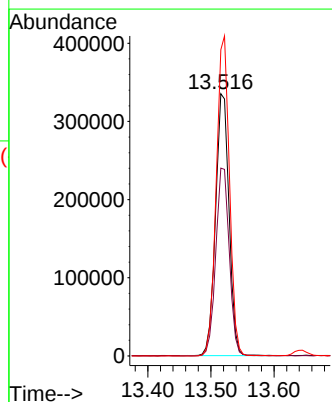
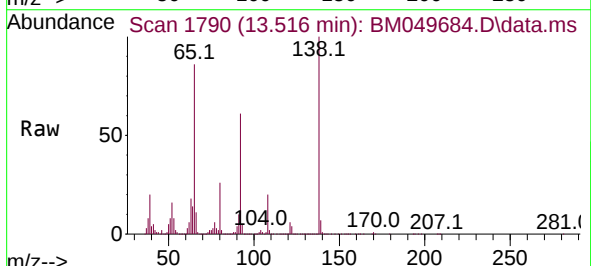
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

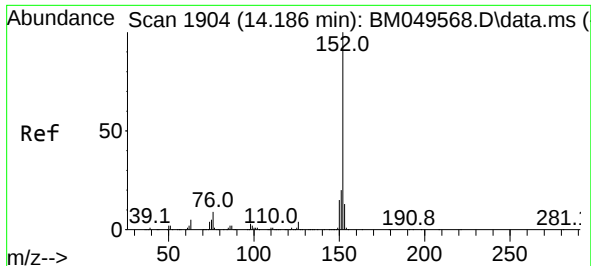
Tgt Ion:162 Resp: 2143640
Ion Ratio Lower Upper
162 100
127 32.8 27.9 41.9
164 33.5 26.8 40.2



#48
2-Nitroaniline
Concen: 40.280 ng
RT: 13.516 min Scan# 1790
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion: 65 Resp: 495926
Ion Ratio Lower Upper
65 100
92 71.6 52.0 78.0
138 116.8 81.6 122.4

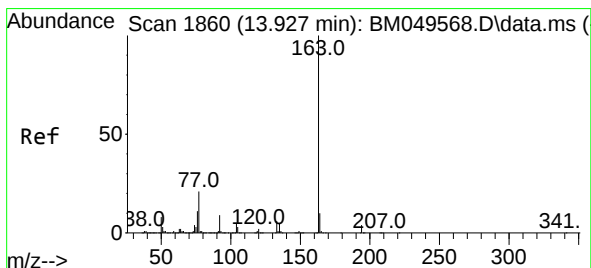
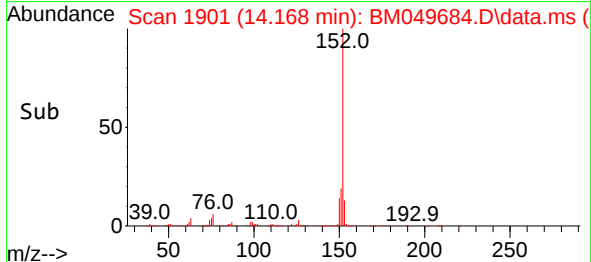
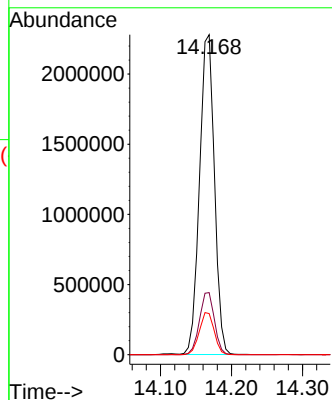
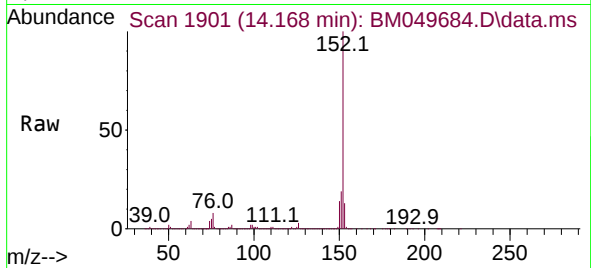




#49
Acenaphthylene
Concen: 47.585 ng
RT: 14.168 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

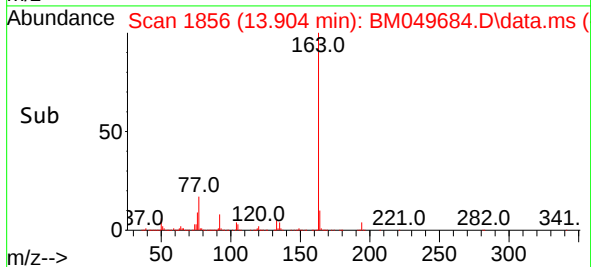
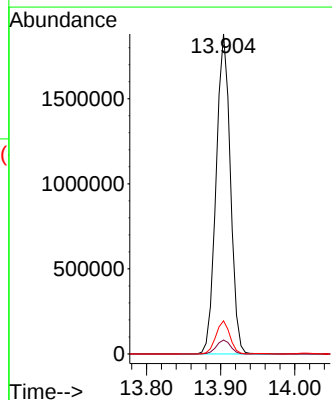
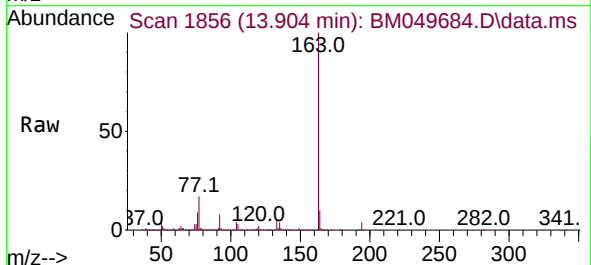
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

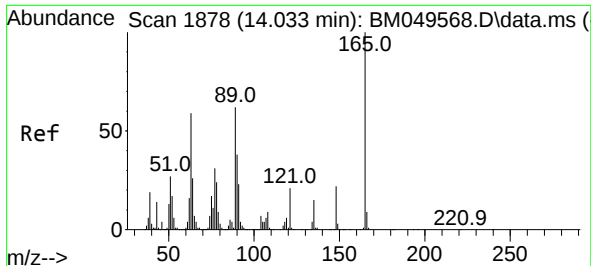
Tgt Ion:152 Resp: 3336688
Ion Ratio Lower Upper
152 100
151 19.4 16.2 24.4
153 12.9 10.6 16.0



#50
Dimethylphthalate
Concen: 43.410 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:163 Resp: 2511679
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.4 8.1 12.1

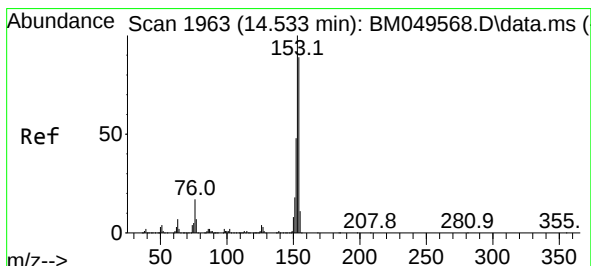
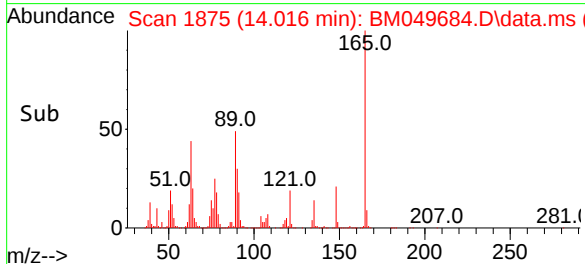
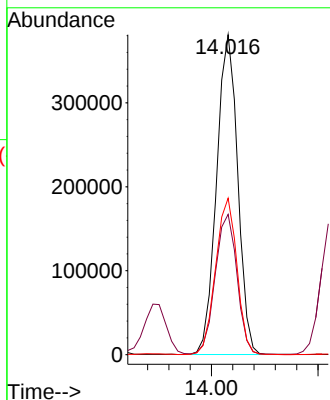
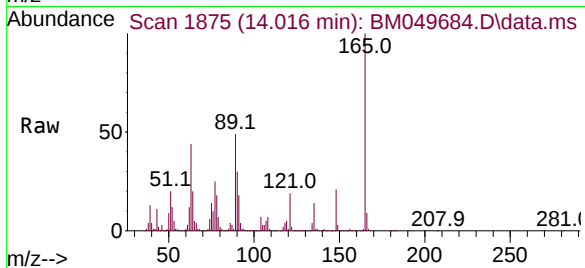




#51
2,6-Dinitrotoluene
Concen: 52.356 ng
RT: 14.016 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

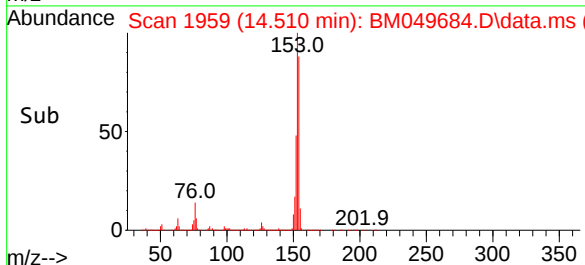
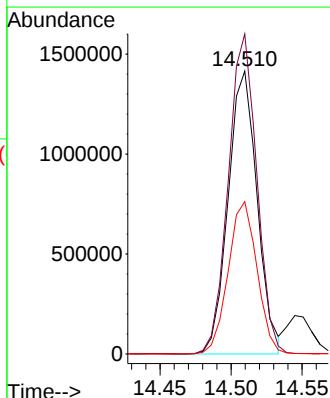
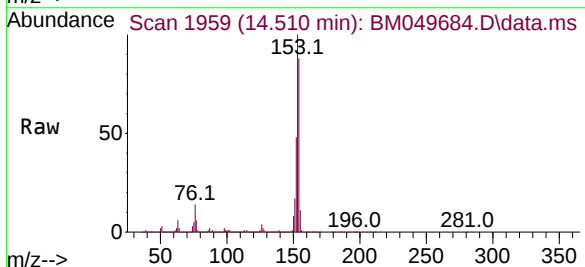
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

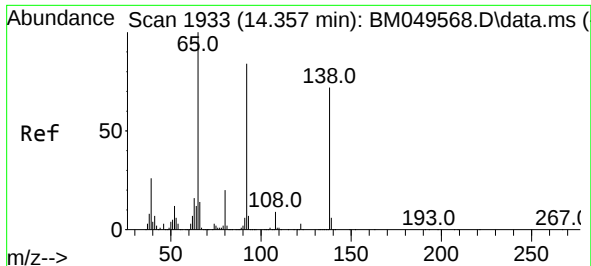
Tgt Ion:165 Resp: 524194
Ion Ratio Lower Upper
165 100
63 43.9 47.8 71.6#
89 48.9 49.2 73.8#



#52
Acenaphthene
Concen: 43.195 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:154 Resp: 2010450
Ion Ratio Lower Upper
154 100
153 113.1 90.0 135.0
152 53.9 43.0 64.4

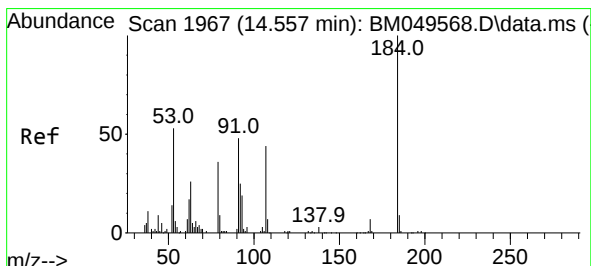
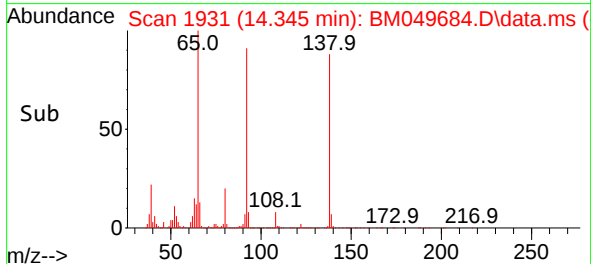
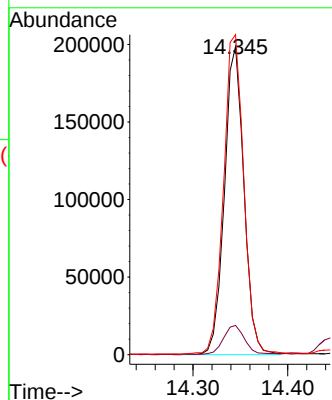
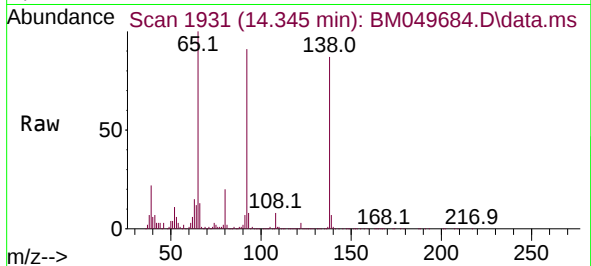




#53
3-Nitroaniline
Concen: 27.919 ng
RT: 14.345 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

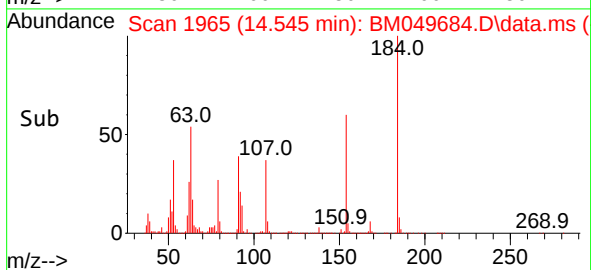
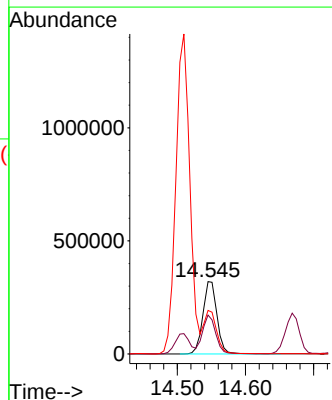
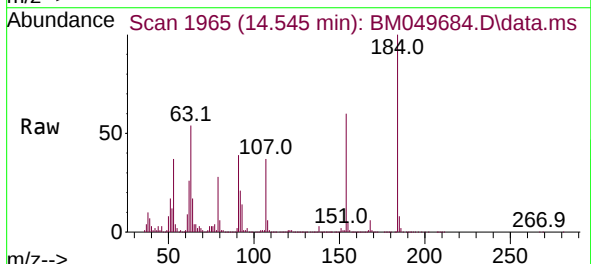
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

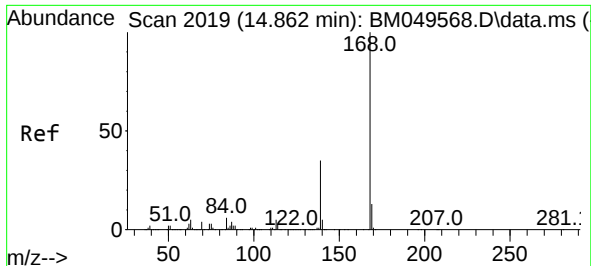
Tgt Ion:138 Resp: 284593
Ion Ratio Lower Upper
138 100
108 9.5 10.3 15.5#
92 103.8 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 104.328 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:184 Resp: 459669
Ion Ratio Lower Upper
184 100
63 53.8 60.2 90.4#
154 60.1 78.2 117.4#

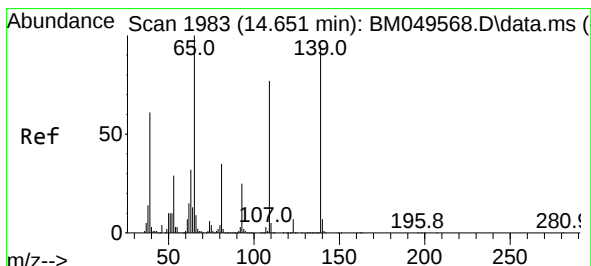
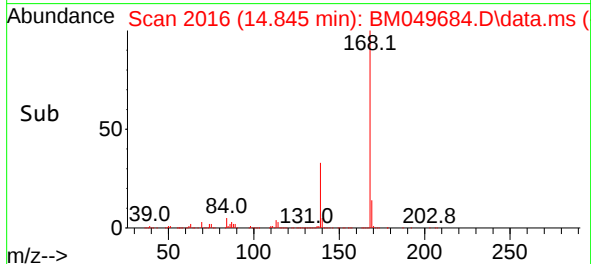
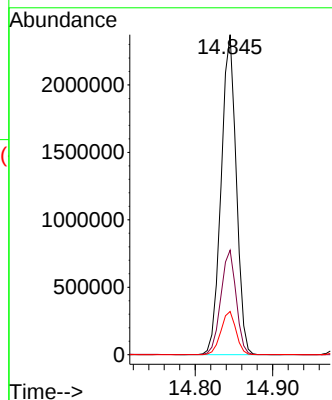
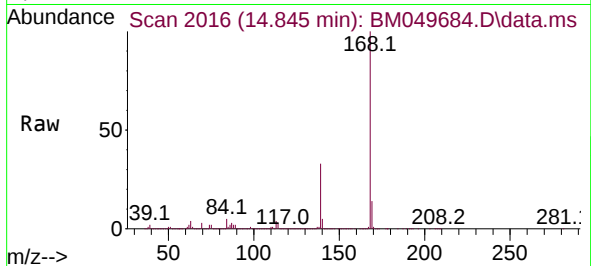




#55
Dibenzenofuran
Concen: 43.336 ng
RT: 14.845 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

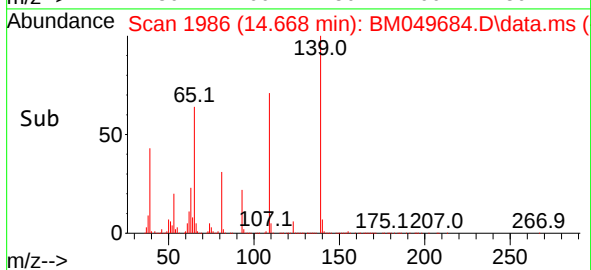
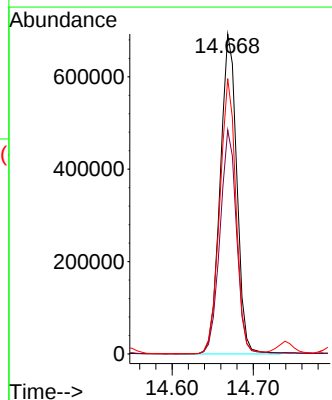
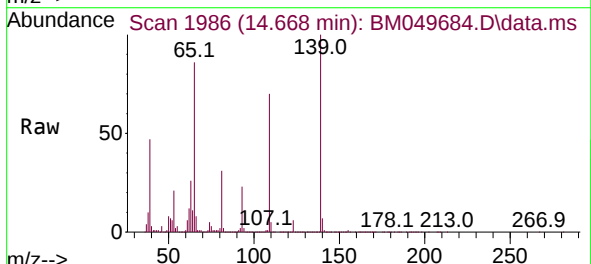
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

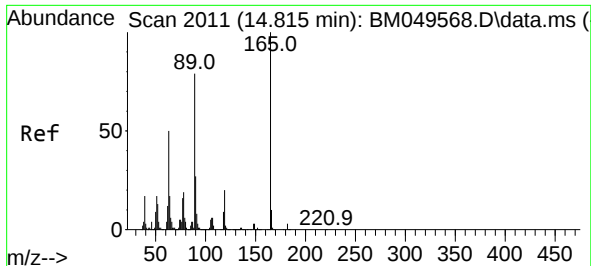
Tgt Ion:168 Resp: 3211694
Ion Ratio Lower Upper
168 100
139 32.6 28.4 42.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 115.279 ng
RT: 14.668 min Scan# 1986
Delta R.T. 0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:139 Resp: 990580
Ion Ratio Lower Upper
139 100
109 70.0 61.4 101.4
65 86.0 85.6 125.6

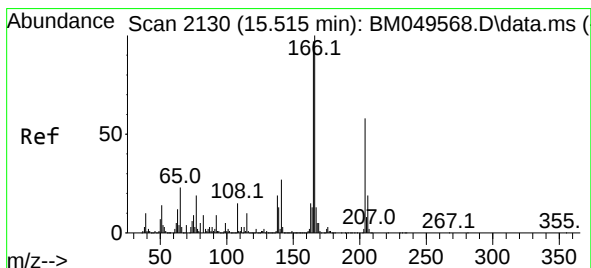
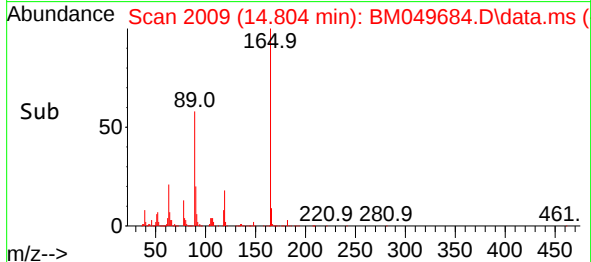
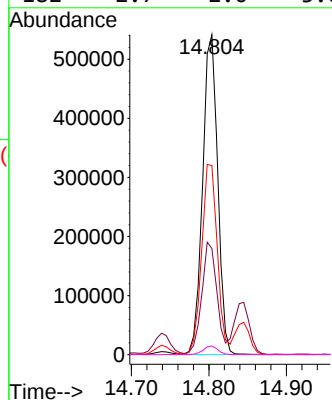
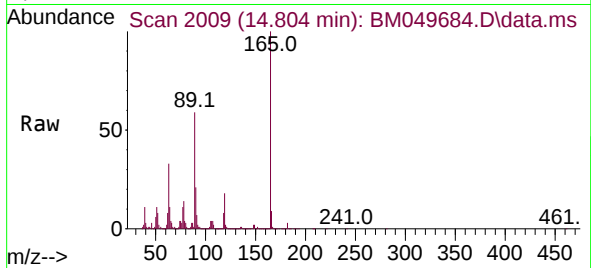




#57
2,4-Dinitrotoluene
Concen: 51.347 ng
RT: 14.804 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

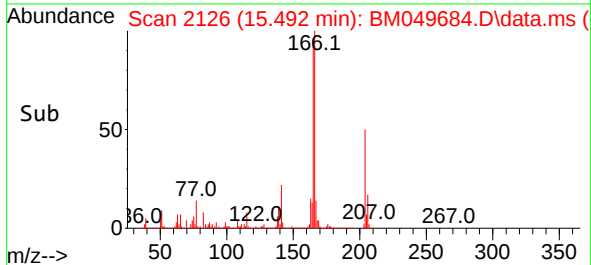
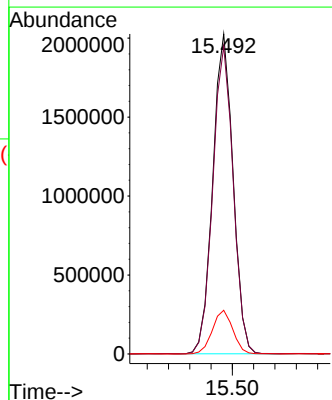
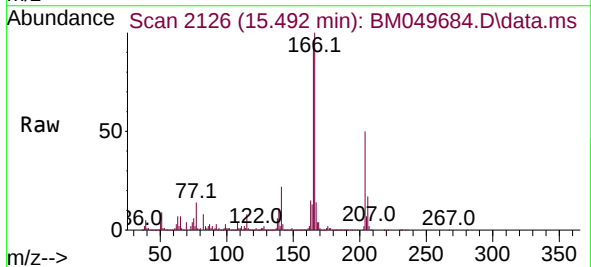
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

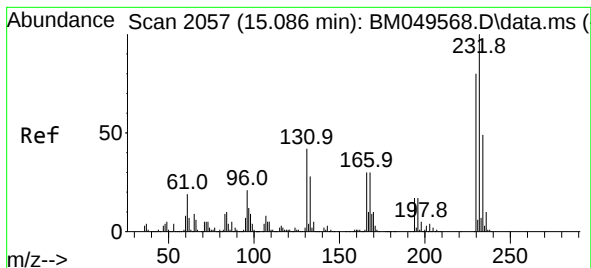
Tgt Ion:165 Resp: 731696
Ion Ratio Lower Upper
165 100
63 33.2 39.8 59.6#
89 59.1 63.5 95.3#
182 2.7 2.0 3.0



#58
Fluorene
Concen: 42.152 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:166 Resp: 2672428
Ion Ratio Lower Upper
166 100
165 96.1 77.7 116.5
167 13.7 10.7 16.1

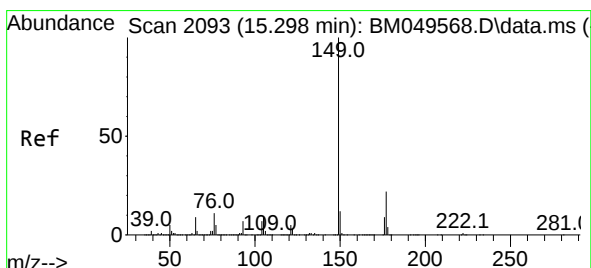
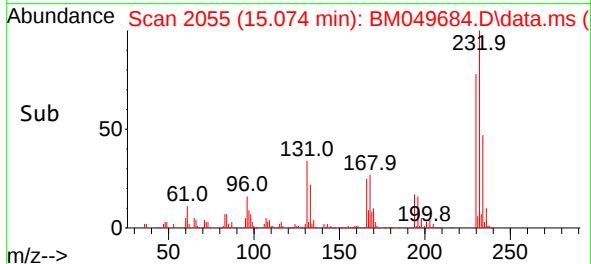
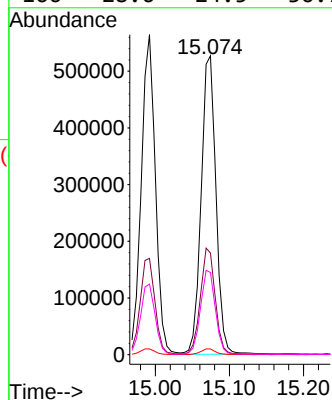
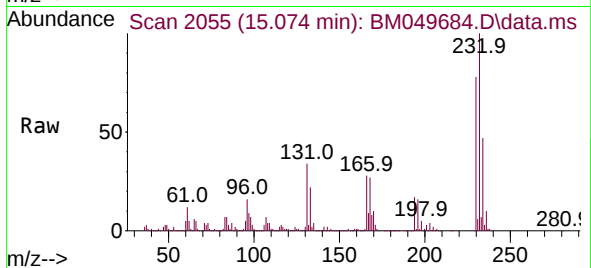




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.367 ng
RT: 15.074 min Scan# 2055
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

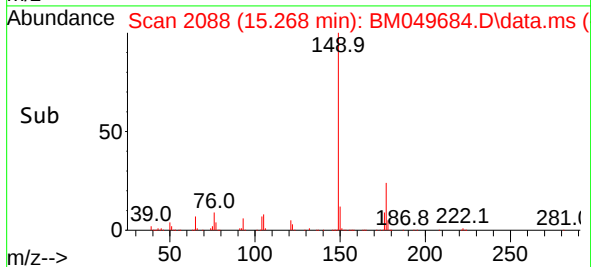
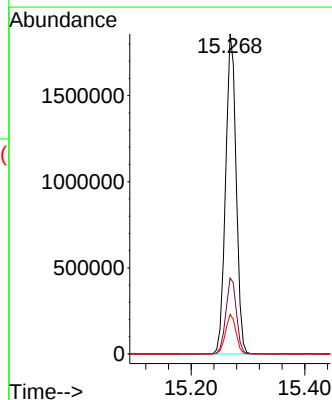
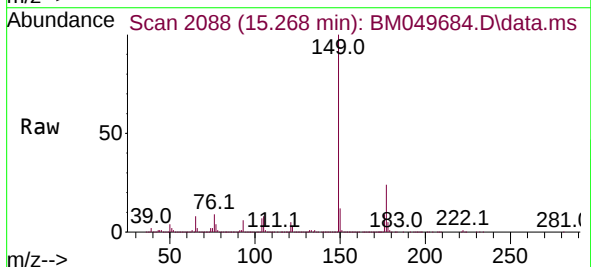
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

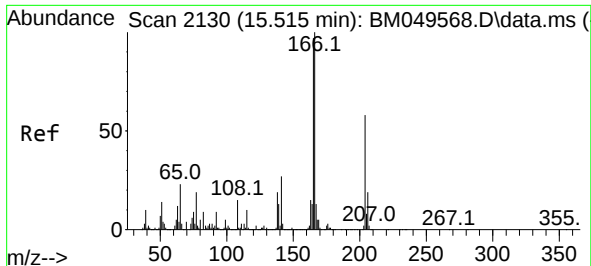
Tgt Ion:232 Resp: 729646
Ion Ratio Lower Upper
232 100
131 35.4 34.5 51.7
130 1.9 1.9 2.9
166 28.6 24.5 36.7



#60
Diethylphthalate
Concen: 41.393 ng
RT: 15.268 min Scan# 2088
Delta R.T. -0.029 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:149 Resp: 2406935
Ion Ratio Lower Upper
149 100
177 23.7 18.0 27.0
150 12.3 9.7 14.5

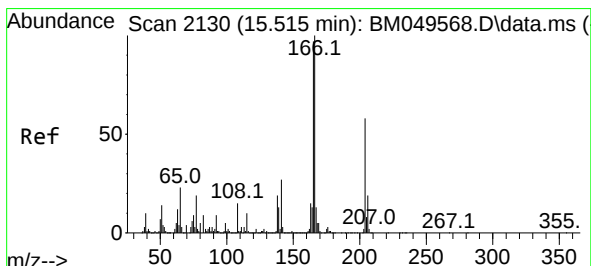
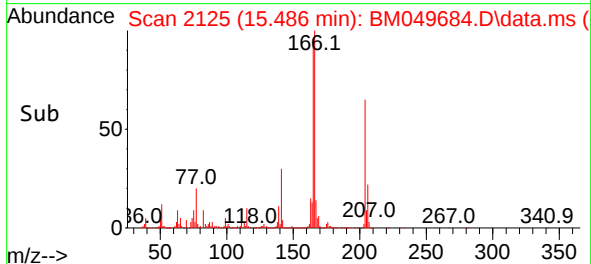
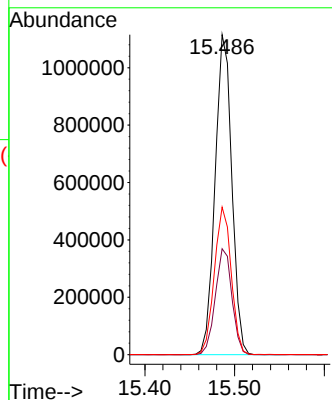
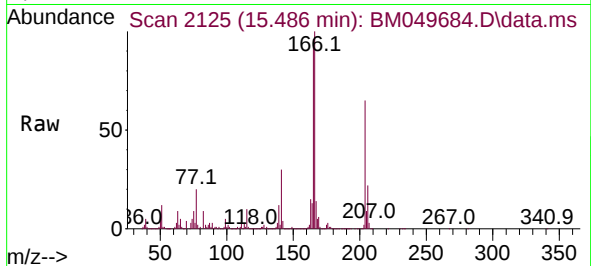




#61
4-Chlorophenyl-phenylether
Concen: 42.711 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.029 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

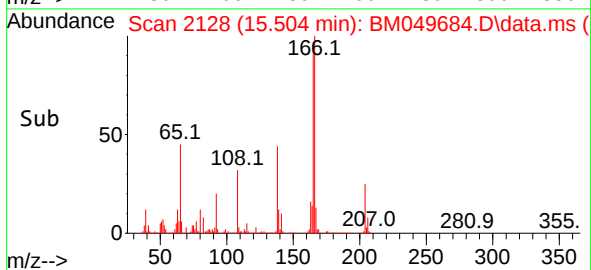
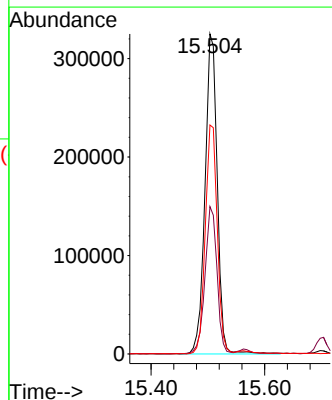
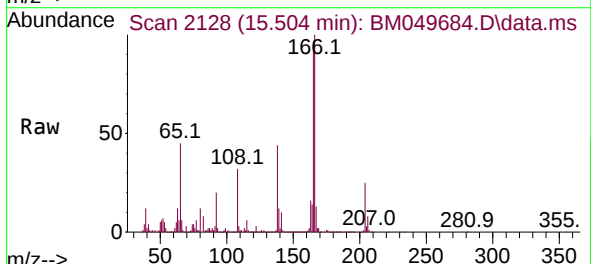
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

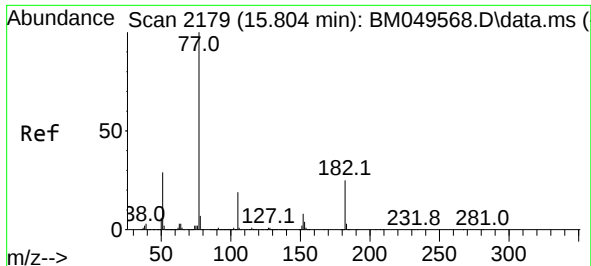
Tgt Ion:204 Resp: 1441240
Ion Ratio Lower Upper
204 100
206 33.1 26.0 39.0
141 46.1 37.1 55.7



#62
4-Nitroaniline
Concen: 37.797 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:138 Resp: 485649
Ion Ratio Lower Upper
138 100
92 46.1 29.3 69.3
108 71.6 60.1 100.1

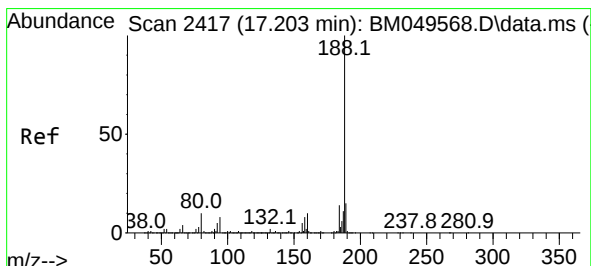
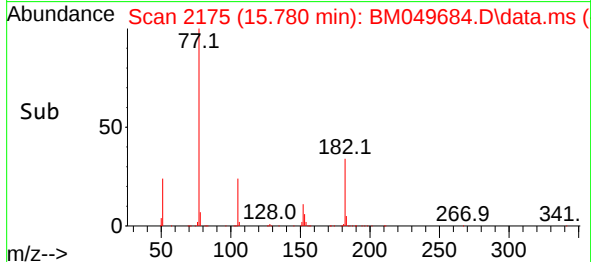
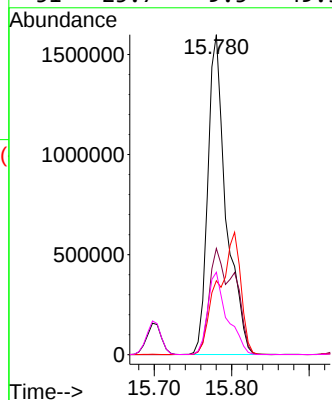
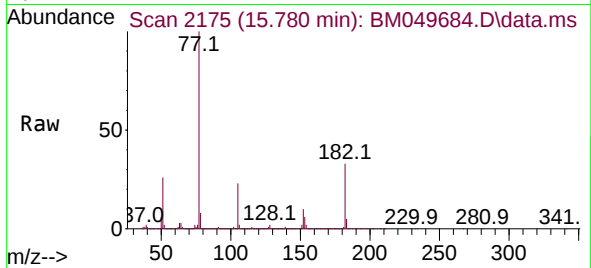




#63
Azobenzene
Concen: 43.132 ng
RT: 15.780 min Scan# 2179
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

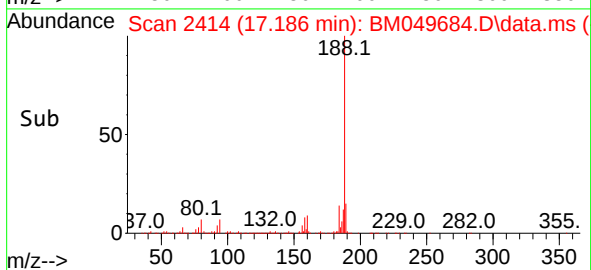
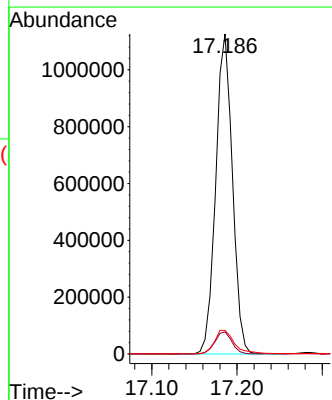
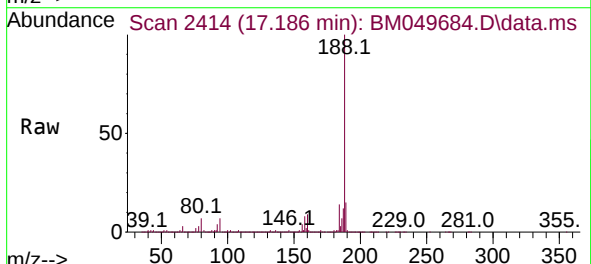
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

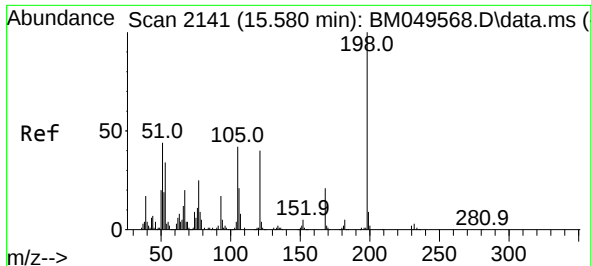
Tgt Ion: 77 Resp: 2617850
Ion Ratio Lower Upper
77 100
182 33.2 4.7 44.7
105 23.1 0.0 39.3
51 25.7 9.5 49.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:188 Resp: 1530140
Ion Ratio Lower Upper
188 100
94 6.9 6.7 10.1
80 7.4 7.7 11.5#

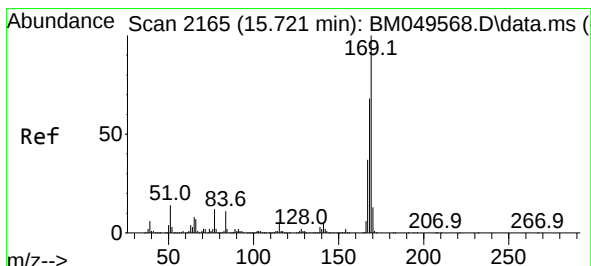
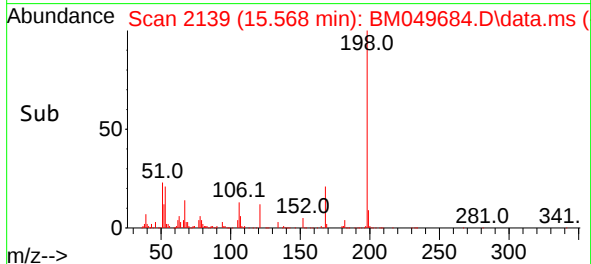
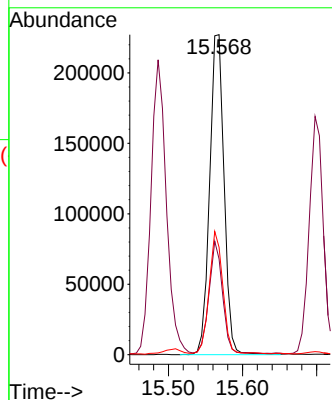
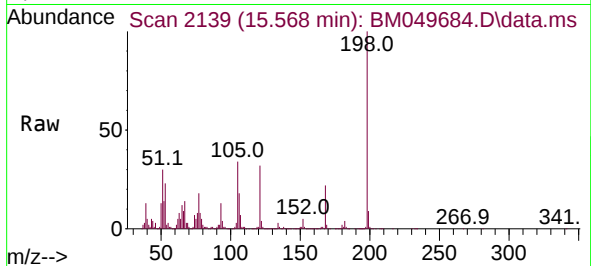




#65
4,6-Dinitro-2-methylphenol
Concen: 61.071 ng
RT: 15.568 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

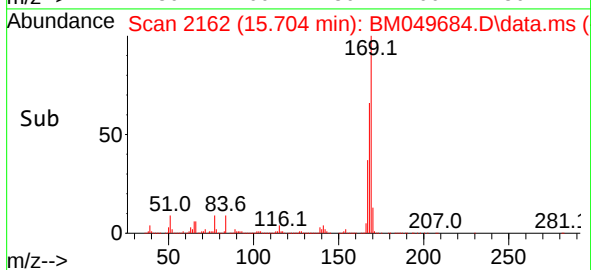
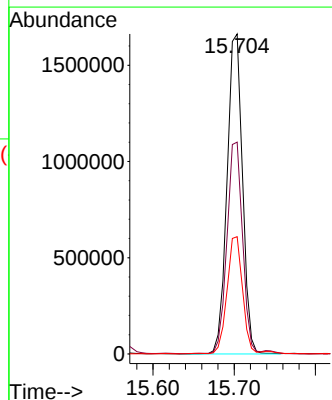
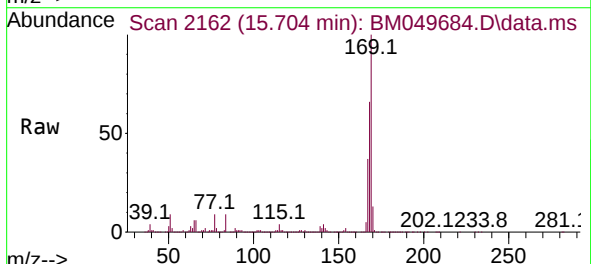
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

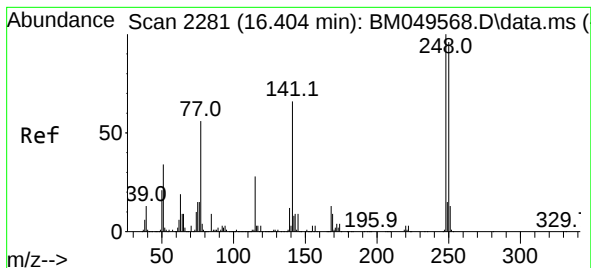
Tgt Ion:198 Resp: 307580
Ion Ratio Lower Upper
198 100
51 29.9 26.9 66.9
105 33.5 22.8 62.8



#66
n-Nitrosodiphenylamine
Concen: 45.638 ng
RT: 15.704 min Scan# 2162
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:169 Resp: 2202327
Ion Ratio Lower Upper
169 100
168 66.2 54.2 81.4
167 36.7 29.5 44.3

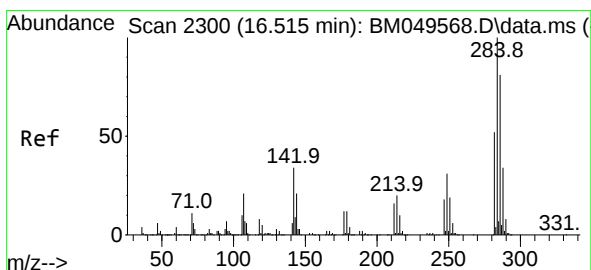
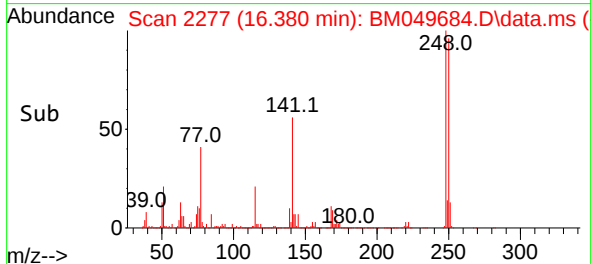
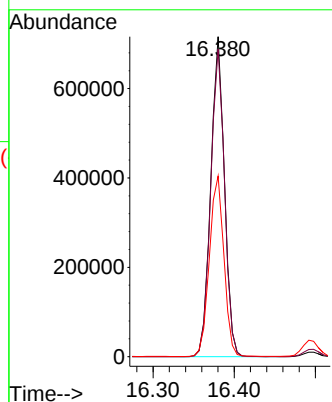
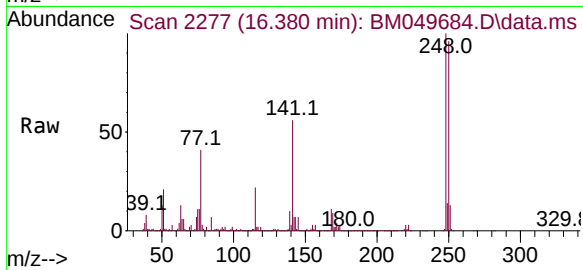




#67
4-Bromophenyl-phenylether
Concen: 47.005 ng
RT: 16.380 min Scan# 21
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

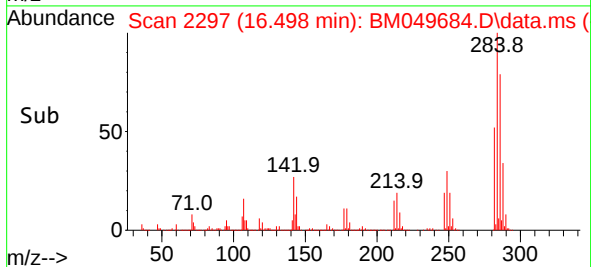
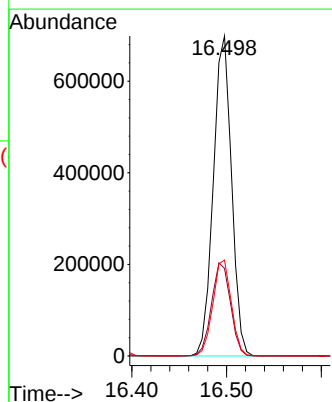
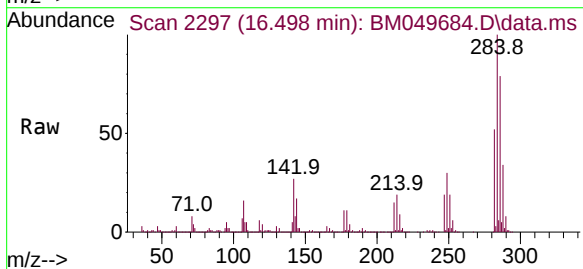
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

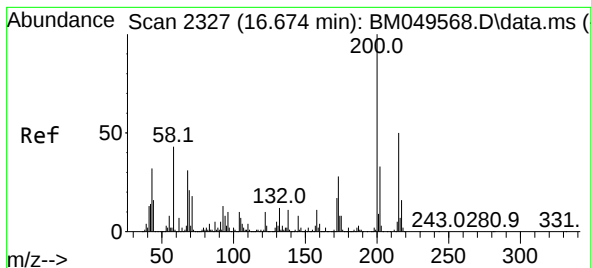
Tgt Ion:248 Resp: 835572
Ion Ratio Lower Upper
248 100
250 96.1 77.0 115.4
141 56.4 53.0 79.4



#68
Hexachlorobenzene
Concen: 45.621 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:284 Resp: 930805
Ion Ratio Lower Upper
284 100
142 27.4 27.1 40.7
249 29.9 24.6 36.8





#69

Atrazine

Concen: 60.907 ng

RT: 16.657 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Instrument :

BNA_M

ClientSampleId :

SP-SOILMSD

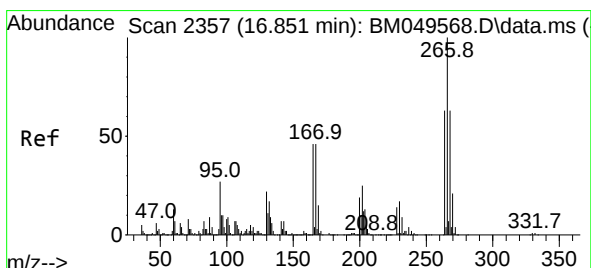
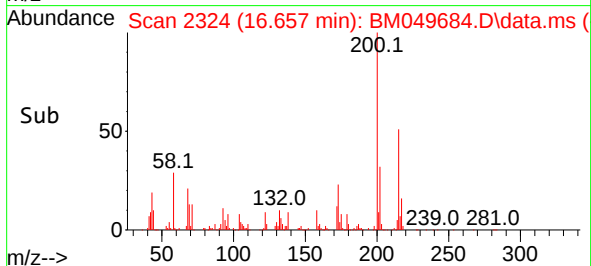
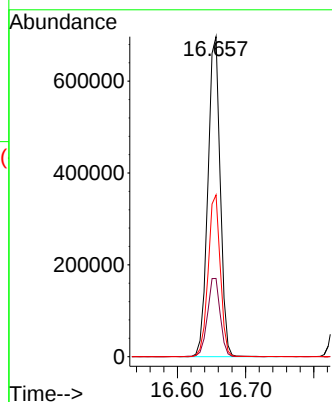
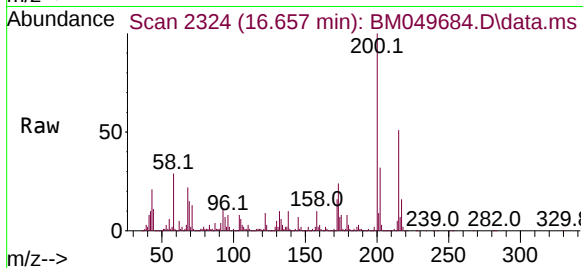
Tgt Ion:200 Resp: 873695

Ion Ratio Lower Upper

200 100

173 24.4 7.6 47.6

215 50.6 30.2 70.2



#70

Pentachlorophenol

Concen: 95.118 ng

RT: 16.839 min Scan# 2355

Delta R.T. -0.012 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

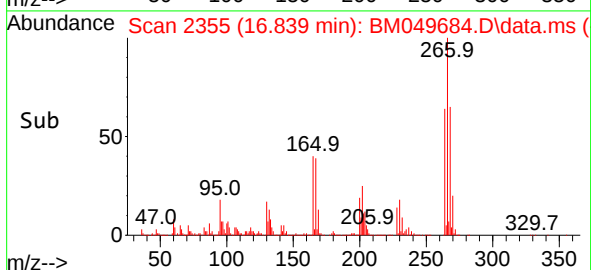
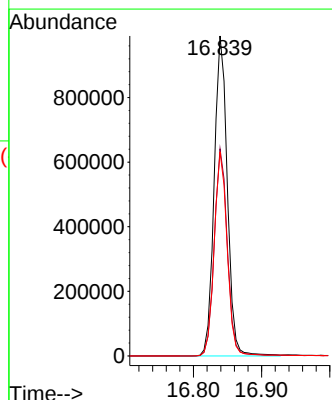
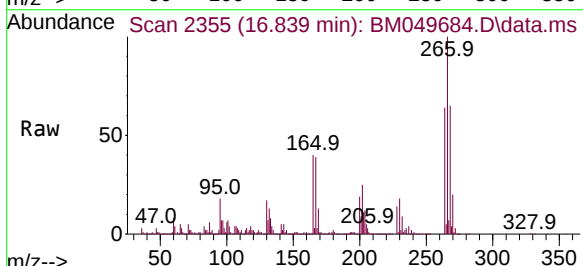
Tgt Ion:266 Resp: 1332053

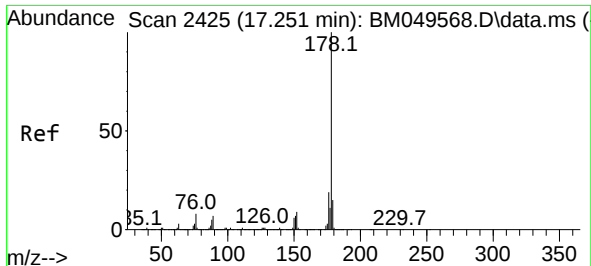
Ion Ratio Lower Upper

266 100

268 64.7 50.8 76.2

264 63.8 50.0 75.0

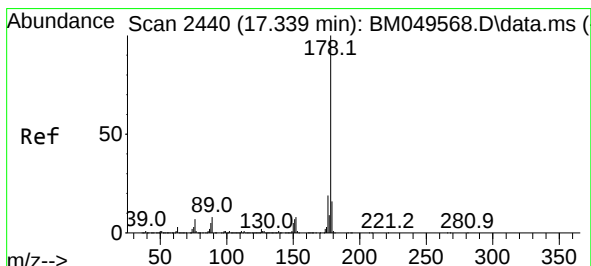
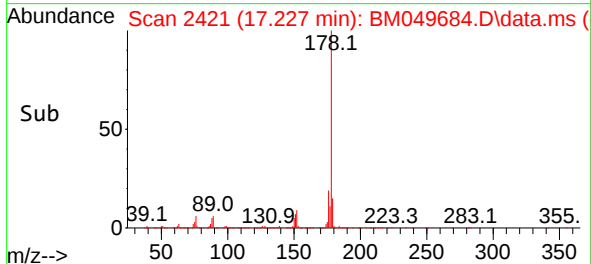
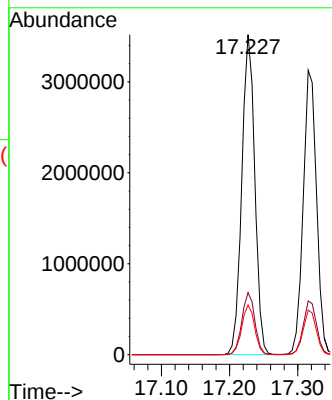
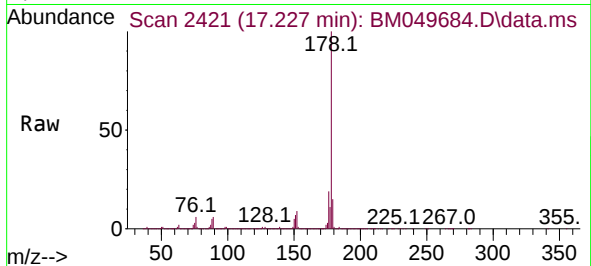




#71
Phenanthrene
Concen: 53.391 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

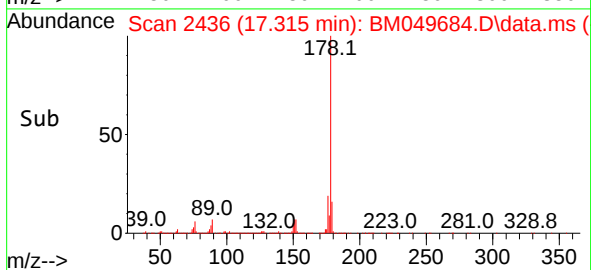
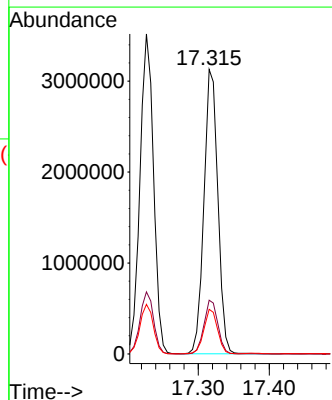
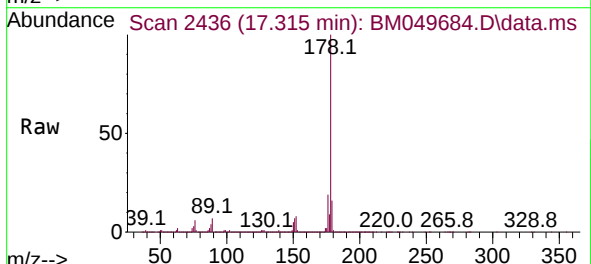
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

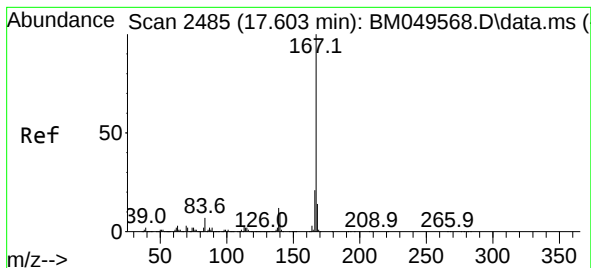
Tgt Ion:178 Resp: 4654189
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.5 12.2 18.2



#72
Anthracene
Concen: 49.450 ng
RT: 17.315 min Scan# 2436
Delta R.T. -0.023 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:178 Resp: 4268163
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.7 12.4 18.6





#73

Carbazole

Concen: 47.719 ng

RT: 17.586 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Instrument :

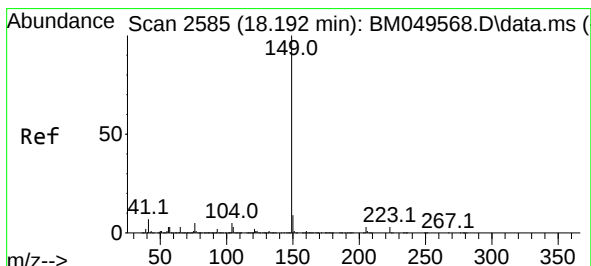
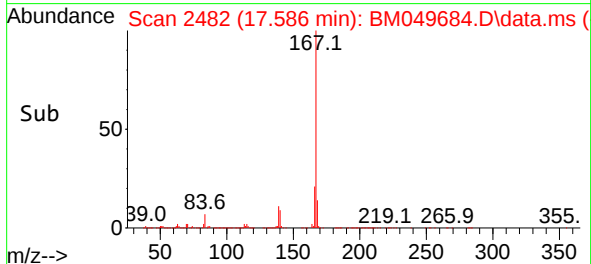
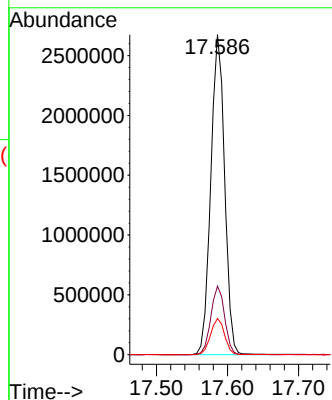
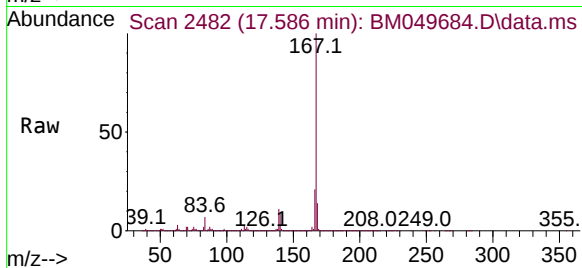
BNA_M

ClientSampleId :

SP-SOILMSD

Tgt Ion:167 Resp: 3615050

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	11.3	9.6	14.4



#74

Di-n-butylphthalate

Concen: 43.552 ng

RT: 18.156 min Scan# 2579

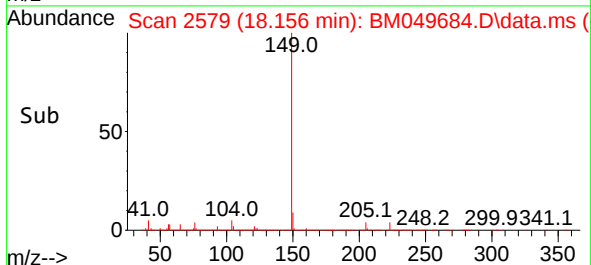
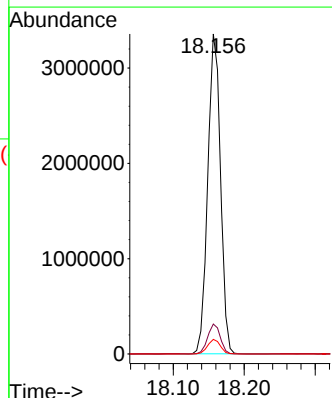
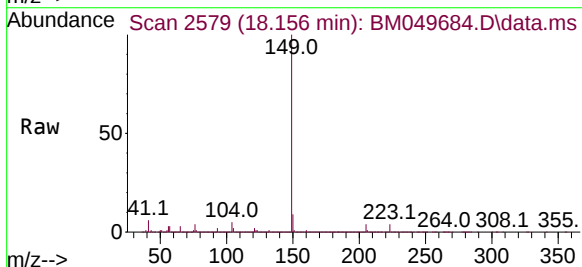
Delta R.T. -0.035 min

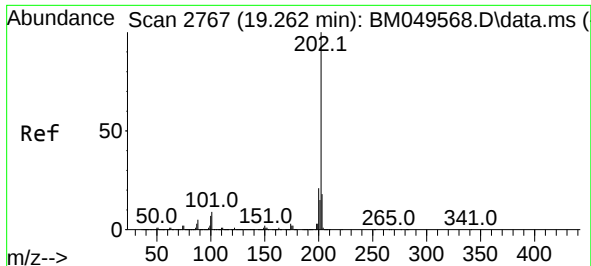
Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Tgt Ion:149 Resp: 4186531

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.5	4.1	6.1

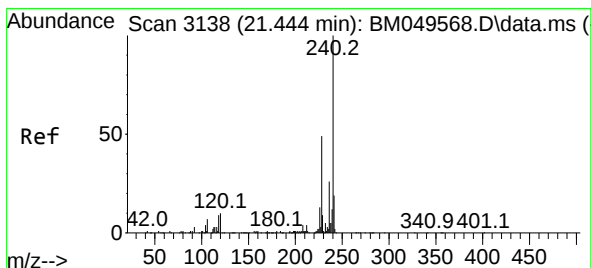
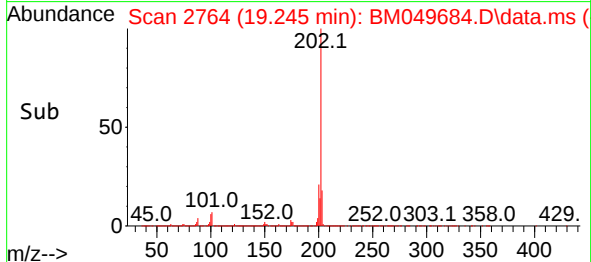
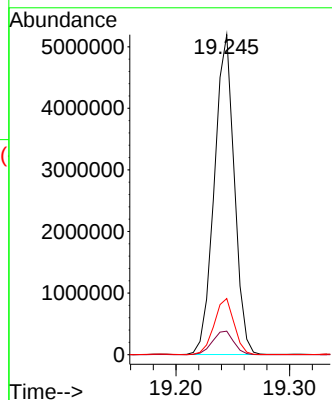
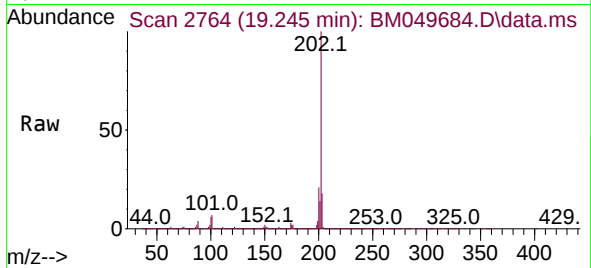




#75
Fluoranthene
Concen: 62.160 ng
RT: 19.245 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

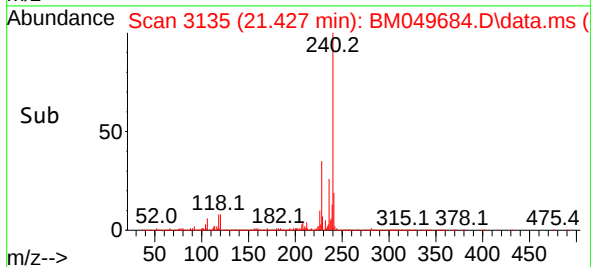
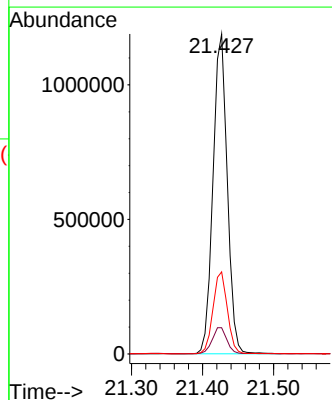
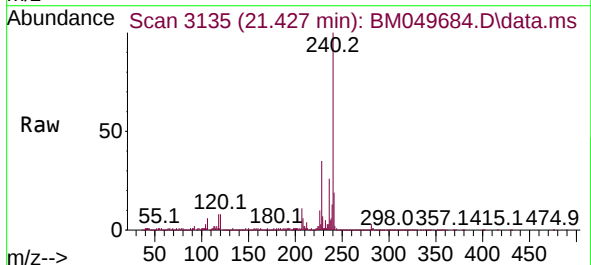
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

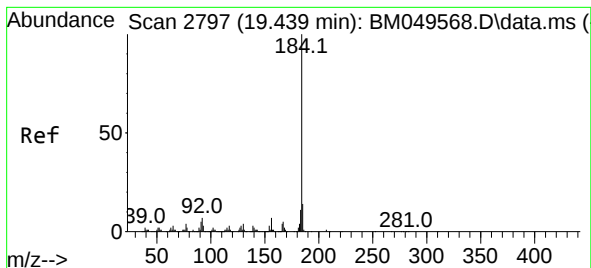
Tgt Ion:202 Resp: 6343901
Ion Ratio Lower Upper
202 100
101 7.3 0.0 29.1
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:240 Resp: 1657115
Ion Ratio Lower Upper
240 100
120 8.2 7.8 11.8
236 25.7 20.6 31.0





#77

Benzidine

Concen: 148.030 ng

RT: 19.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Instrument :

BNA_M

ClientSampleId :

SP-SOILMSD

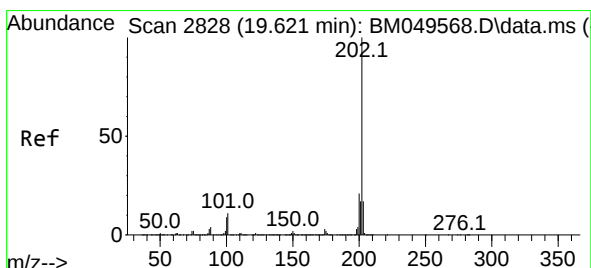
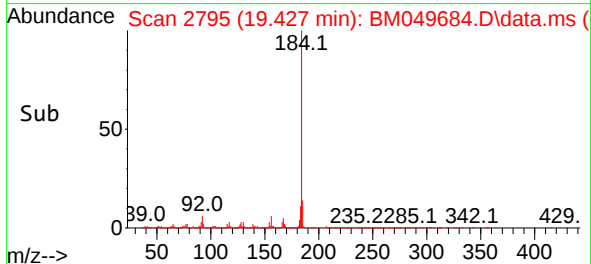
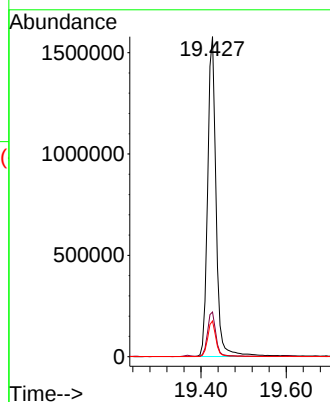
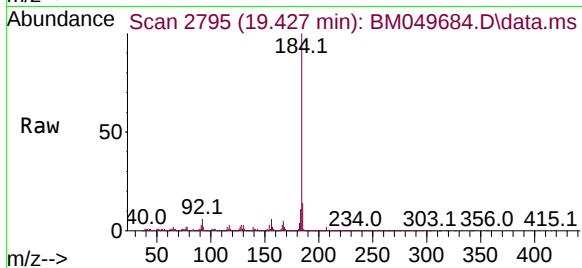
Tgt Ion:184 Resp: 2172295

Ion Ratio Lower Upper

184 100

185 14.0 11.6 17.4

183 11.2 8.9 13.3



#78

Pyrene

Concen: 53.362 ng

RT: 19.603 min Scan# 2825

Delta R.T. -0.018 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

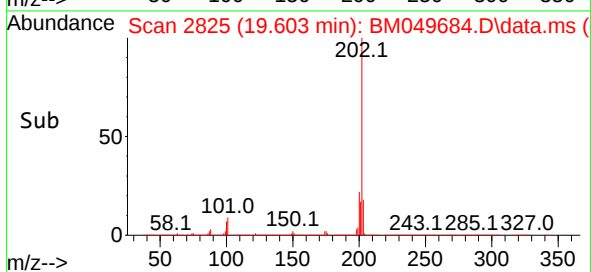
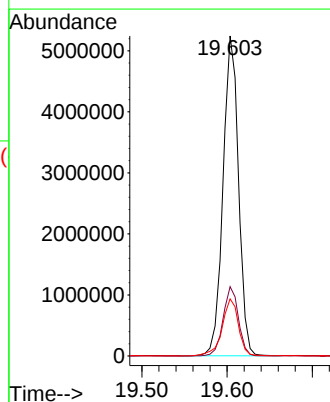
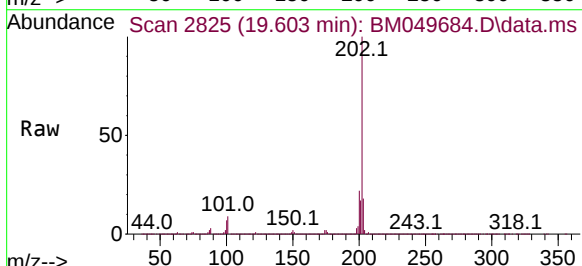
Tgt Ion:202 Resp: 6621140

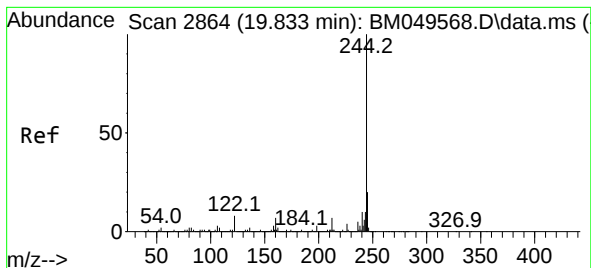
Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

203 17.8 13.8 20.8





#79

Terphenyl-d14

Concen: 60.469 ng

RT: 19.809 min Scan# 21

Delta R.T. -0.023 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Instrument :

BNA_M

ClientSampleId :

SP-SOILMSD

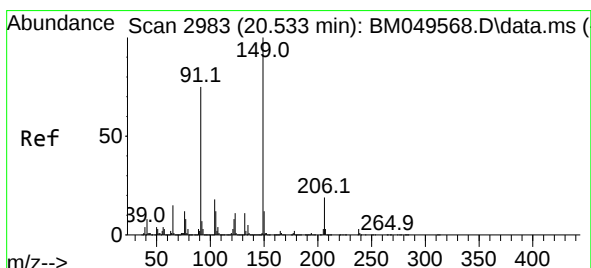
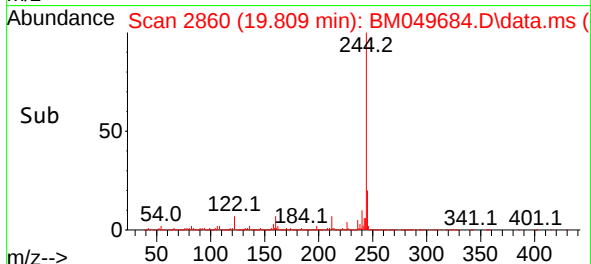
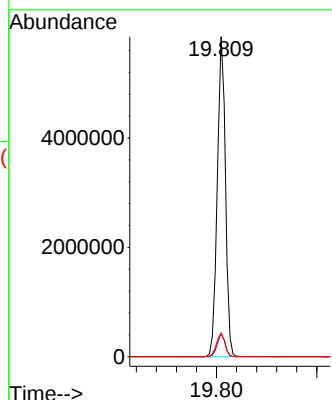
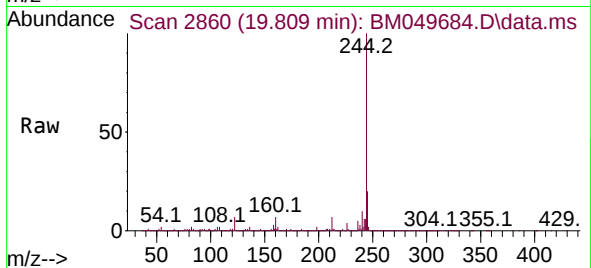
Tgt Ion:244 Resp: 6562004

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 7.3 6.2 9.2



#80

Butylbenzylphthalate

Concen: 48.086 ng

RT: 20.509 min Scan# 2979

Delta R.T. -0.023 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

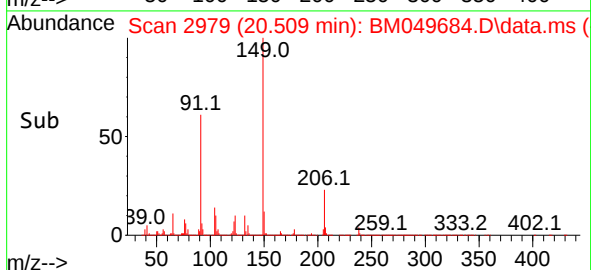
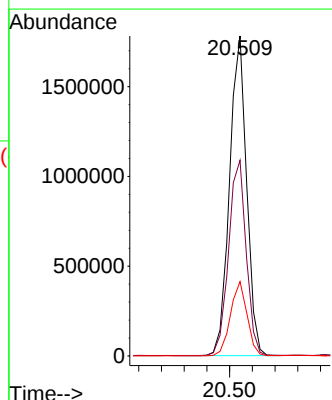
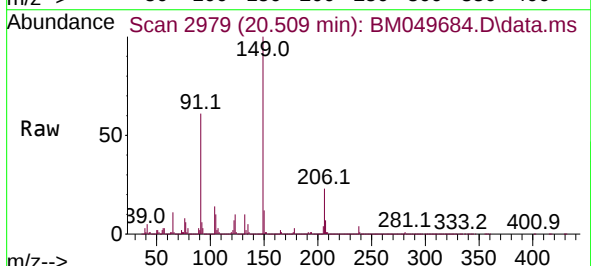
Tgt Ion:149 Resp: 1856577

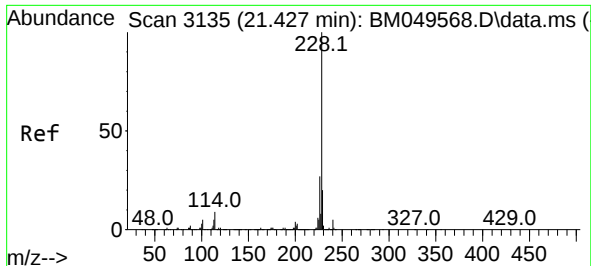
Ion Ratio Lower Upper

149 100

91 61.1 60.2 90.2

206 23.3 15.4 23.0#

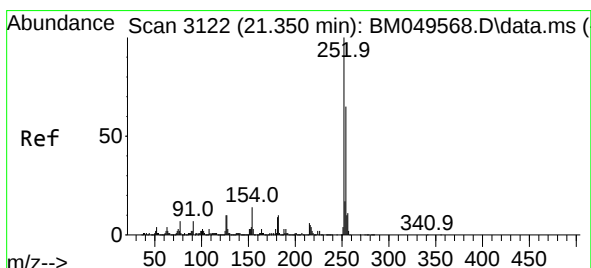
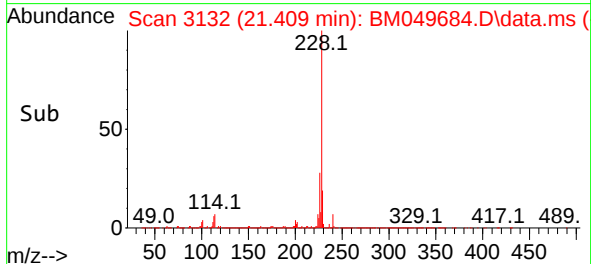
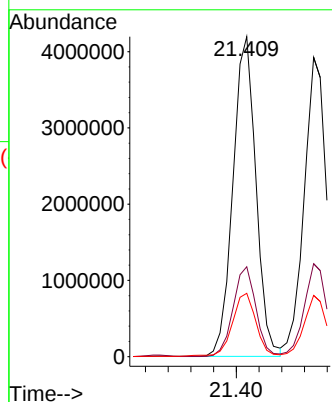
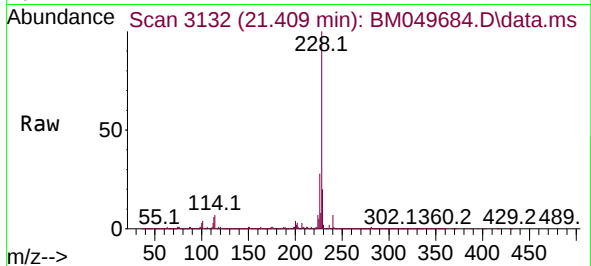




#81
Benzo(a)anthracene
Concen: 52.328 ng
RT: 21.409 min Scan# 3119
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

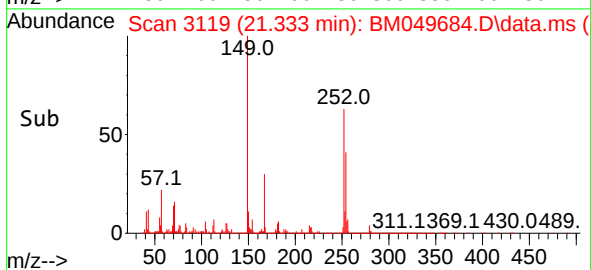
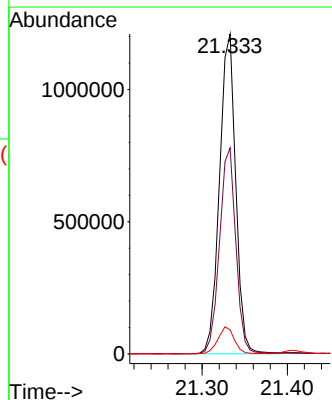
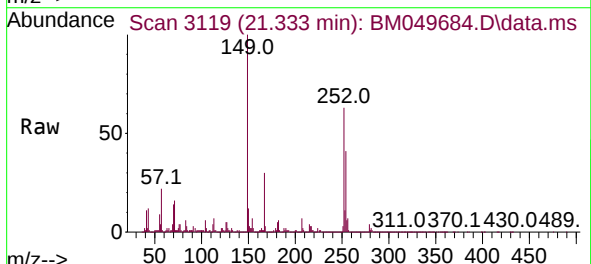
Instrument :
BNA_M
ClientSampleId :
SP-SOILMSD

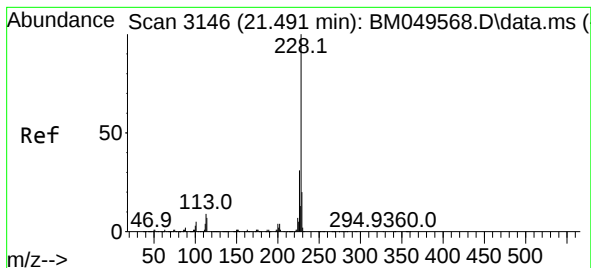
Tgt Ion:228 Resp: 5876755
Ion Ratio Lower Upper
228 100
226 28.1 22.0 33.0
229 19.8 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 52.956 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.018 min
Lab File: BM049684.D
Acq: 28 Feb 2025 18:34

Tgt Ion:252 Resp: 1600362
Ion Ratio Lower Upper
252 100
254 64.4 52.1 78.1
126 7.5 7.8 11.6#





#83

Chrysene

Concen: 50.926 ng

RT: 21.468 min Scan# 31

Delta R.T. -0.023 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Instrument :

BNA_M

ClientSampleId :

SP-SOILMSD

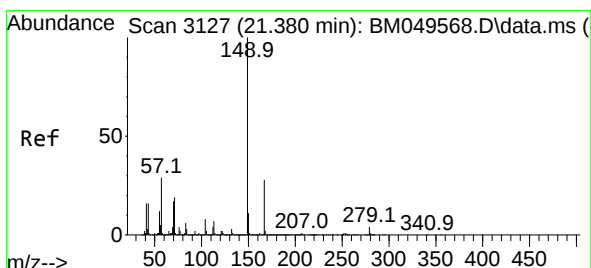
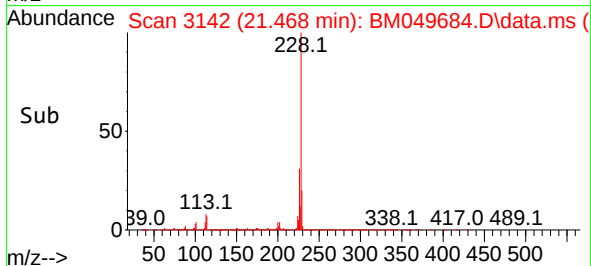
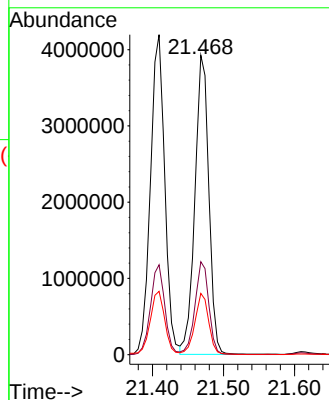
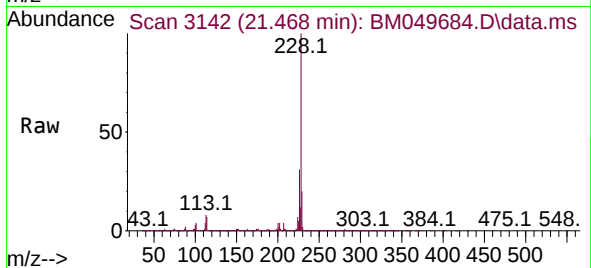
Tgt Ion:228 Resp: 5358395

Ion Ratio Lower Upper

228 100

226 31.1 24.5 36.7

229 20.5 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.529 ng

RT: 21.339 min Scan# 3120

Delta R.T. -0.041 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

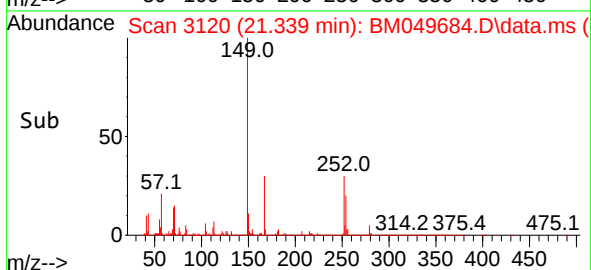
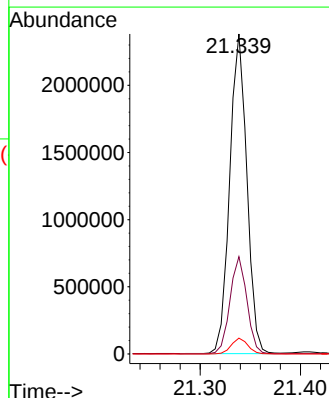
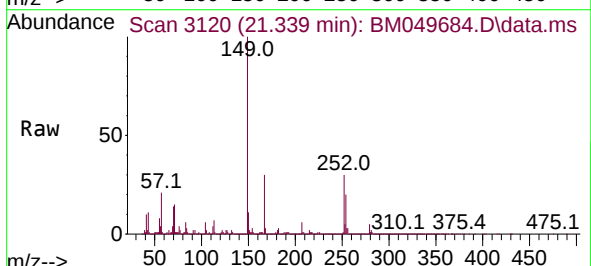
Tgt Ion:149 Resp: 2814935

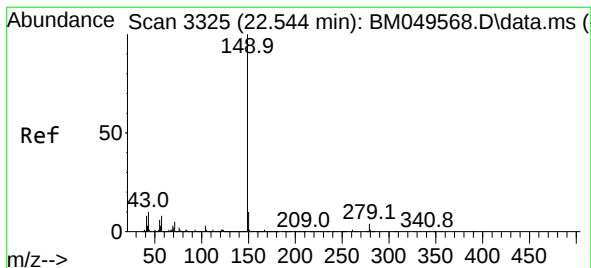
Ion Ratio Lower Upper

149 100

167 30.4 22.1 33.1

279 4.9 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 46.197 ng

RT: 22.480 min Scan# 31

Delta R.T. -0.065 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Instrument :

BNA_M

ClientSampleId :

SP-SOILMSD

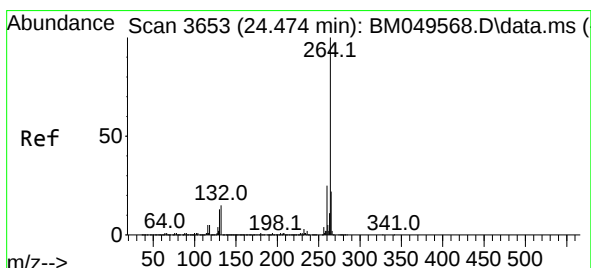
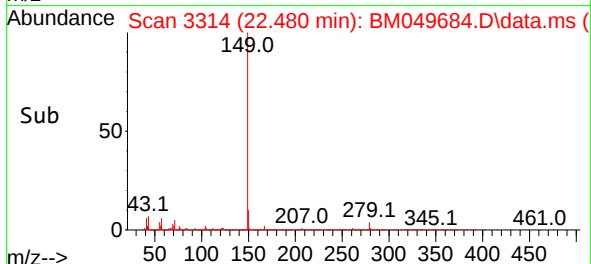
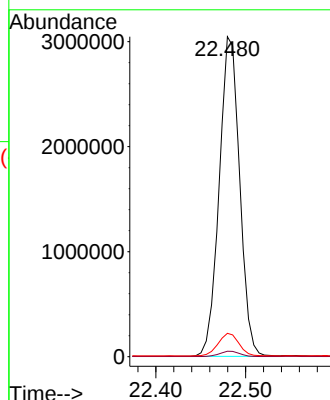
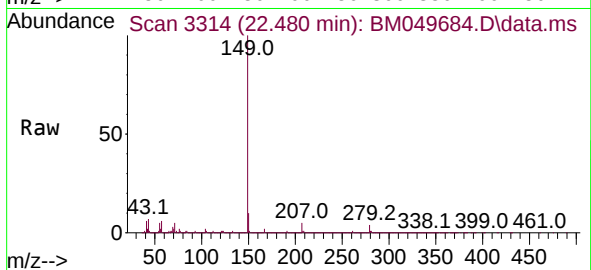
Tgt Ion:149 Resp: 4823949

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 7.1 8.5 12.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.438 min Scan# 3647

Delta R.T. -0.035 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

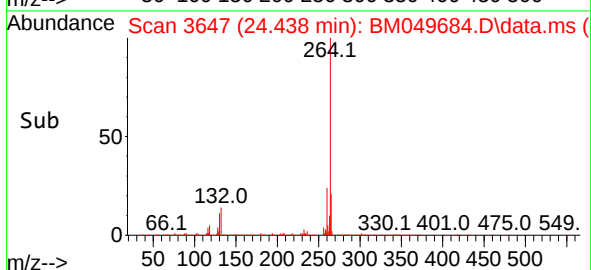
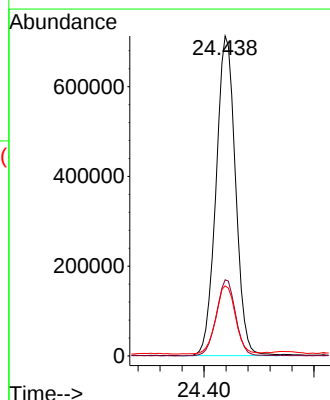
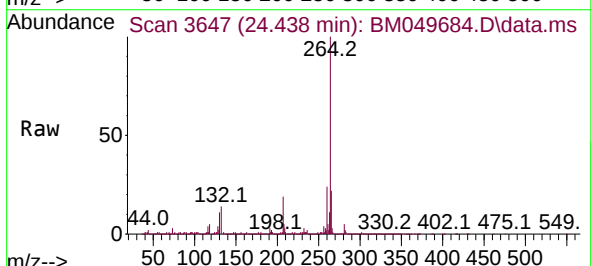
Tgt Ion:264 Resp: 1750186

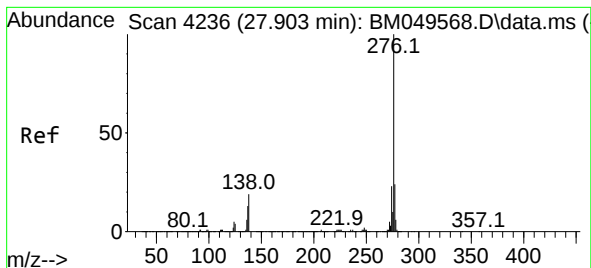
Ion Ratio Lower Upper

264 100

260 23.8 19.8 29.6

265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 68.716 ng

RT: 27.850 min Scan# 41

Delta R.T. -0.053 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Instrument :

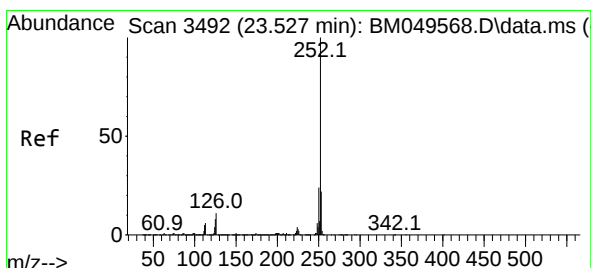
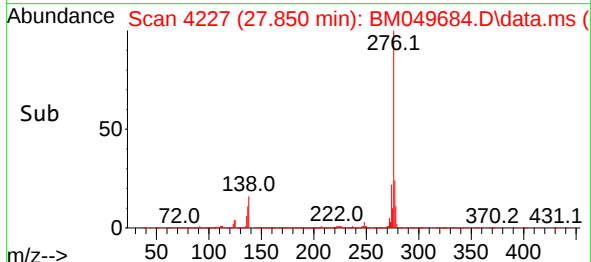
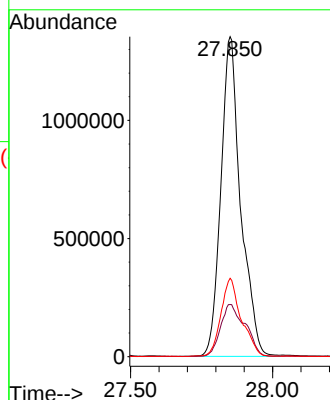
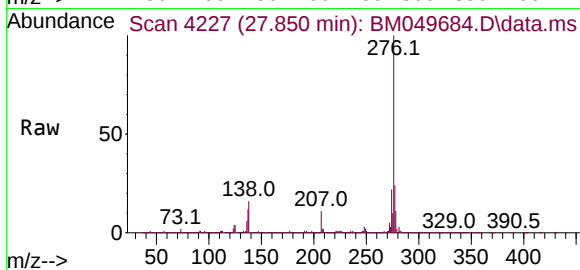
BNA_M

ClientSampleId :

SP-SOILMSD

Tgt Ion:276 Resp: 6567956

Ion	Ratio	Lower	Upper
276	100		
138	20.2	13.1	19.7#
277	25.0	19.9	29.9



#88

Benzo(b)fluoranthene

Concen: 48.438 ng

RT: 23.491 min Scan# 3486

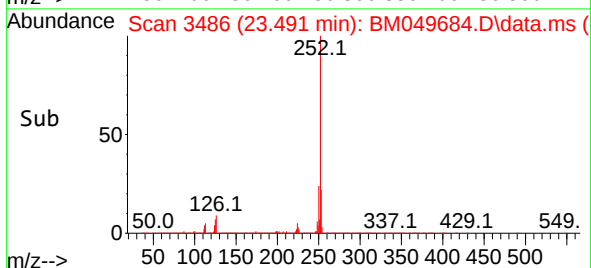
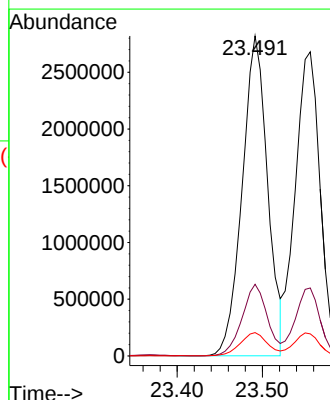
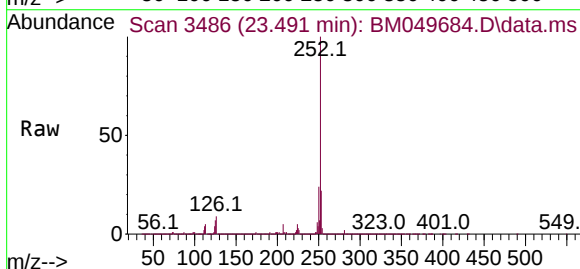
Delta R.T. -0.035 min

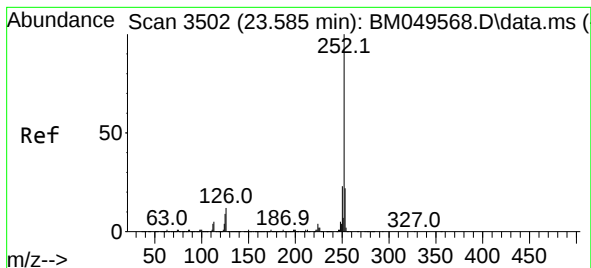
Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Tgt Ion:252 Resp: 5831970

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	7.3	6.6	10.0





#89

Benzo(k)fluoranthene

Concen: 46.671 ng

RT: 23.556 min Scan# 34

Delta R.T. -0.029 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

Instrument :

BNA_M

ClientSampleId :

SP-SOILMSD

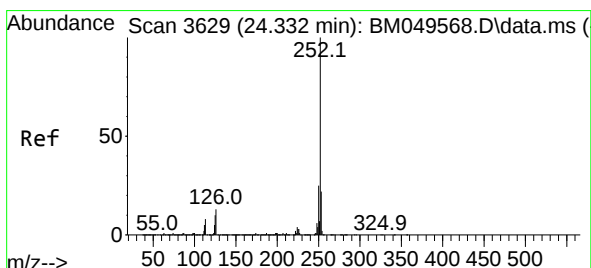
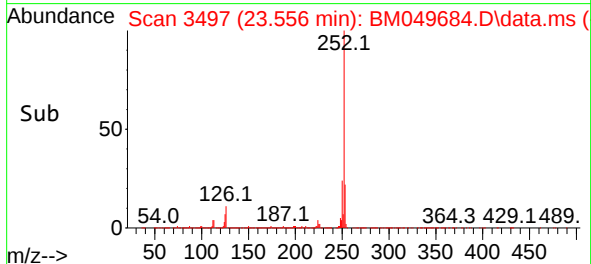
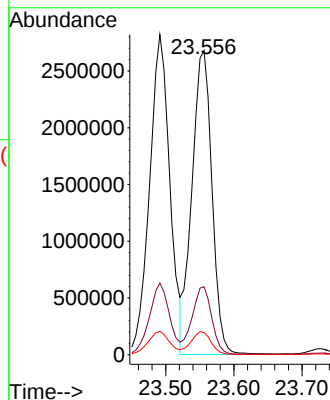
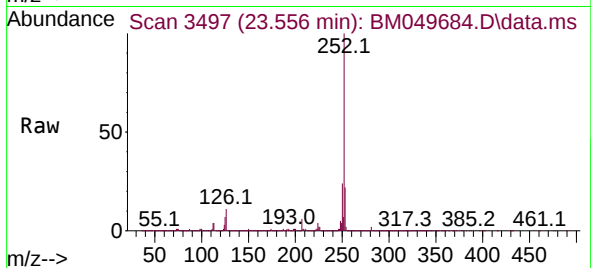
Tgt Ion:252 Resp: 5457861

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 7.3 7.0 10.6



#90

Benzo(a)pyrene

Concen: 57.860 ng

RT: 24.303 min Scan# 3624

Delta R.T. -0.029 min

Lab File: BM049684.D

Acq: 28 Feb 2025 18:34

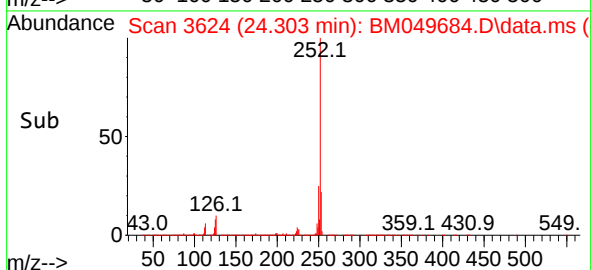
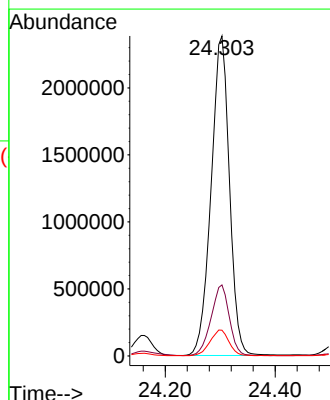
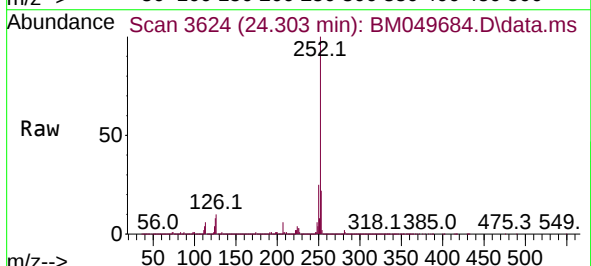
Tgt Ion:252 Resp: 5520787

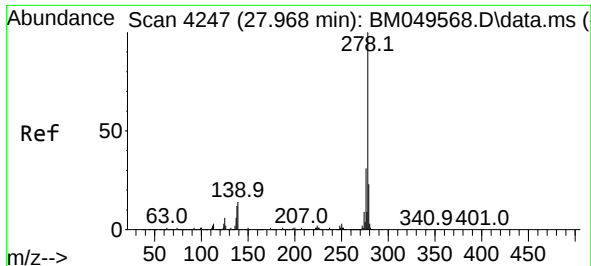
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 8.0 8.2 12.2#

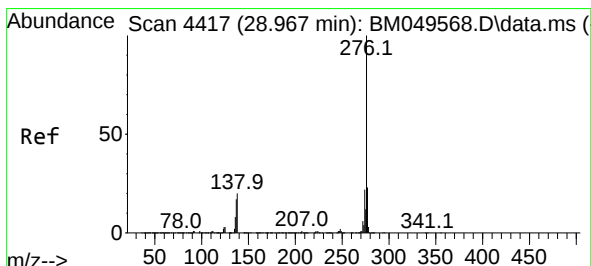
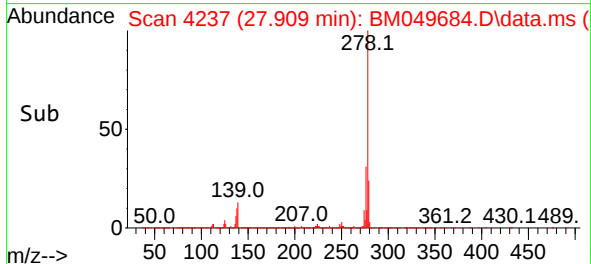
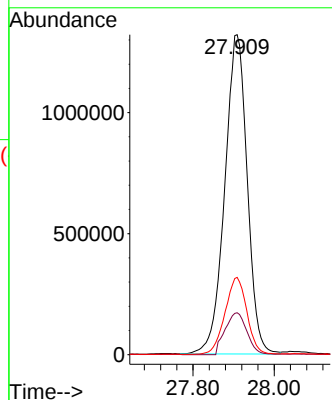
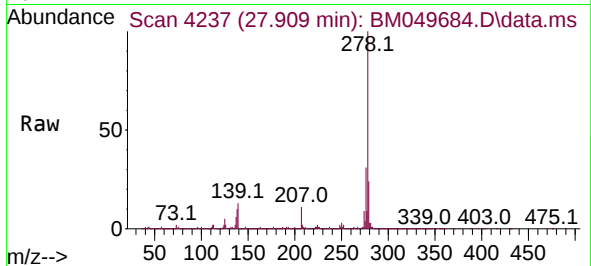




#91
 Dibenzo(a,h)anthracene
 Concen: 67.182 ng
 RT: 27.909 min Scan# 41
 Delta R.T. -0.059 min
 Lab File: BM049684.D
 Acq: 28 Feb 2025 18:34

Instrument :
 BNA_M
 ClientSampleId :
 SP-SOILMSD

Tgt Ion:278 Resp: 5075070
 Ion Ratio Lower Upper
 278 100
 139 13.1 11.5 17.3
 279 24.1 18.2 27.2



#92
 Benzo(g,h,i)perylene
 Concen: 60.510 ng
 RT: 28.915 min Scan# 4408
 Delta R.T. -0.053 min
 Lab File: BM049684.D
 Acq: 28 Feb 2025 18:34

Tgt Ion:276 Resp: 5106207
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.7 28.1
 138 17.7 16.0 24.0

