

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
 Data File : BM049683.D
 Acq On : 28 Feb 2025 17:55
 Operator : RC/JU
 Sample : Q1458-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-SOILMS

Quant Time: Feb 28 21:59:40 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	347305	20.000	ng	-0.02
21) Naphthalene-d8	10.598	136	1210606	20.000	ng	#-0.03
39) Acenaphthene-d10	14.445	164	762853	20.000	ng	-0.02
64) Phenanthrene-d10	17.186	188	1502819	20.000	ng	-0.02
76) Chrysene-d12	21.427	240	1693591	20.000	ng	-0.02
86) Perylene-d12	24.438	264	1738682	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2490582	115.319	ng	0.00
7) Phenol-d6	6.981	99	3098432	109.504	ng	0.00
23) Nitrobenzene-d5	8.957	82	1787386	75.944	ng	-0.02
42) 2,4,6-Tribromophenol	15.933	330	1378582	152.512	ng	-0.02
45) 2-Fluorobiphenyl	13.069	172	4386643	74.493	ng	-0.02
79) Terphenyl-d14	19.809	244	6599150	59.502	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.281	88	372494	41.020	ng	91
3) Pyridine	3.681	79	909357	36.036	ng	90
4) n-Nitrosodimethylamine	3.587	42	367200	31.102	ng	# 77
6) Aniline	7.128	93	477327	17.799	ng	93
8) 2-Chlorophenol	7.375	128	927494	43.008	ng	93
9) Benzaldehyde	6.940	77	339702	22.674	ng	93
10) Phenol	7.010	94	1151957	41.334	ng	95
11) bis(2-Chloroethyl)ether	7.228	93	893658	39.636	ng	95
12) 1,3-Dichlorobenzene	7.692	146	1090697	43.572	ng	# 95
13) 1,4-Dichlorobenzene	7.839	146	1100624	43.469	ng	98
14) 1,2-Dichlorobenzene	8.157	146	1058311	43.289	ng	97
15) Benzyl Alcohol	8.045	79	746511	37.922	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.328	45	1026803	33.830	ng	93
17) 2-Methylphenol	8.257	107	717422	42.100	ng	96
18) Hexachloroethane	8.886	117	383740	41.492	ng	91
19) n-Nitroso-di-n-propyla...	8.610	70	644418	34.779	ng	91
20) 3+4-Methylphenols	8.581	107	967373	43.003	ng	97
22) Acetophenone	8.622	105	1433077	43.951	ng	96
24) Nitrobenzene	9.004	77	904790	39.569	ng	92
25) Isophorone	9.534	82	1695898	39.955	ng	96
26) 2-Nitrophenol	9.710	139	458467	56.059	ng	90
27) 2,4-Dimethylphenol	9.781	122	739537	55.103	ng	96
28) bis(2-Chloroethoxy)met...	10.010	93	1094156	40.024	ng	97
29) 2,4-Dichlorophenol	10.251	162	924470	50.018	ng	95
30) 1,2,4-Trichlorobenzene	10.463	180	1036567	45.776	ng	99
31) Naphthalene	10.651	128	2736140	42.854	ng	99
32) Benzoic acid	9.916	122	540207	59.118	ng	93
33) 4-Chloroaniline	10.757	127	312299	13.068	ng	95
34) Hexachlorobutadiene	10.945	225	656379	48.404	ng	99
35) Caprolactam	11.539	113	270402	47.956	ng	# 80
36) 4-Chloro-3-methylphenol	11.898	107	786181	42.653	ng	92
37) 2-Methylnaphthalene	12.263	142	1882028	41.866	ng	99
38) 1-Methylnaphthalene	12.486	142	1836236	41.983	ng	99
40) 1,2,4,5-Tetrachloroben...	12.633	216	1349027	53.786	ng	99
41) Hexachlorocyclopentadiene	12.622	237	1201438	187.639	ng	99
43) 2,4,6-Trichlorophenol	12.880	196	754502	55.127	ng	98

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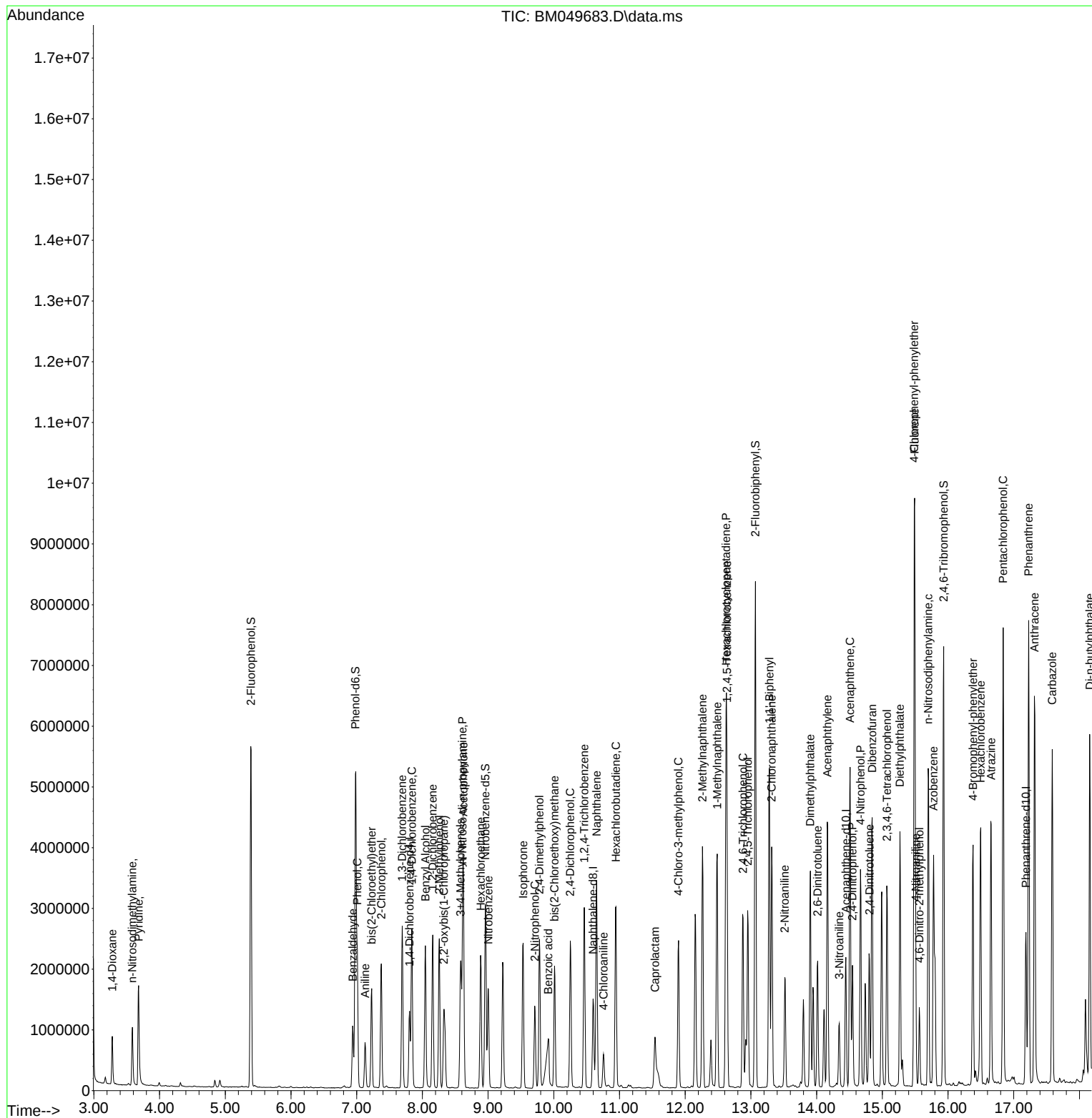
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	812939	54.049	ng	97
46) 1,1'-Biphenyl	13.280	154	2844593	48.881	ng	99
47) 2-Chloronaphthalene	13.316	162	2001974	44.463	ng	98
48) 2-Nitroaniline	13.516	65	463622	39.823	ng	88
49) Acenaphthylene	14.163	152	3119412	46.984	ng	99
50) Dimethylphthalate	13.904	163	2357564	43.034	ng	100
51) 2,6-Dinitrotoluene	14.016	165	488431	51.524	ng	# 82
52) Acenaphthene	14.510	154	2141511m	48.595	ng	
53) 3-Nitroaniline	14.345	138	273083	28.294	ng	# 90
54) 2,4-Dinitrophenol	14.545	184	454515	106.920	ng	# 66
55) Dibenzofuran	14.845	168	3010988	42.910	ng	96
56) 4-Nitrophenol	14.668	139	960944	118.109	ng	# 82
57) 2,4-Dinitrotoluene	14.804	165	688345	51.085	ng	# 78
58) Fluorene	15.492	166	2525629	42.074	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.068	232	684061	53.832	ng	92
60) Diethylphthalate	15.268	149	2273425	41.292	ng	98
61) 4-Chlorophenyl-phenyle...	15.486	204	1346603	42.147	ng	99
62) 4-Nitroaniline	15.510	138	470337	38.565	ng	92
63) Azobenzene	15.780	77	2490363	43.335	ng	90
65) 4,6-Dinitro-2-methylph...	15.563	198	303979	61.318	ng	85
66) n-Nitrosodiphenylamine	15.698	169	2093131	44.164	ng	99
67) 4-Bromophenyl-phenylether	16.380	248	785385	44.985	ng	95
68) Hexachlorobenzene	16.498	284	890427	44.436	ng	93
69) Atrazine	16.657	200	842821	59.823	ng	97
70) Pentachlorophenol	16.839	266	1311573	95.339	ng	99
71) Phenanthrene	17.227	178	4455337	52.039	ng	99
72) Anthracene	17.315	178	4080532	48.135	ng	100
73) Carbazole	17.586	167	3518716	47.292	ng	100
74) Di-n-butylphthalate	18.156	149	4099601	43.423	ng	99
75) Fluoranthene	19.245	202	6295201	62.805	ng	98
77) Benzidine	19.427	184	2046039	136.423	ng	100
78) Pyrene	19.603	202	6567296	51.788	ng	99
80) Butylbenzylphthalate	20.509	149	1870347	47.399	ng	# 85
81) Benzo(a)anthracene	21.409	228	5878271	51.214	ng	99
82) 3,3'-Dichlorobenzidine	21.327	252	1499205	48.540	ng	99
83) Chrysene	21.468	228	5335147	49.613	ng	99
84) Bis(2-ethylhexyl)phtha...	21.339	149	2892487	42.760	ng	# 97
85) Di-n-octyl phthalate	22.480	149	4923044	46.131	ng	# 92
87) Indeno(1,2,3-cd)pyrene	27.850	276	6376944	67.159	ng	# 96
88) Benzo(b)fluoranthene	23.491	252	5758593	48.145	ng	99
89) Benzo(k)fluoranthene	23.550	252	5331064	45.889	ng	99
90) Benzo(a)pyrene	24.303	252	5395741	56.924	ng	# 98
91) Dibenzo(a,h)anthracene	27.903	278	4922455	65.593	ng	98
92) Benzo(g,h,i)perylene	28.909	276	4941599	58.947	ng	97

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

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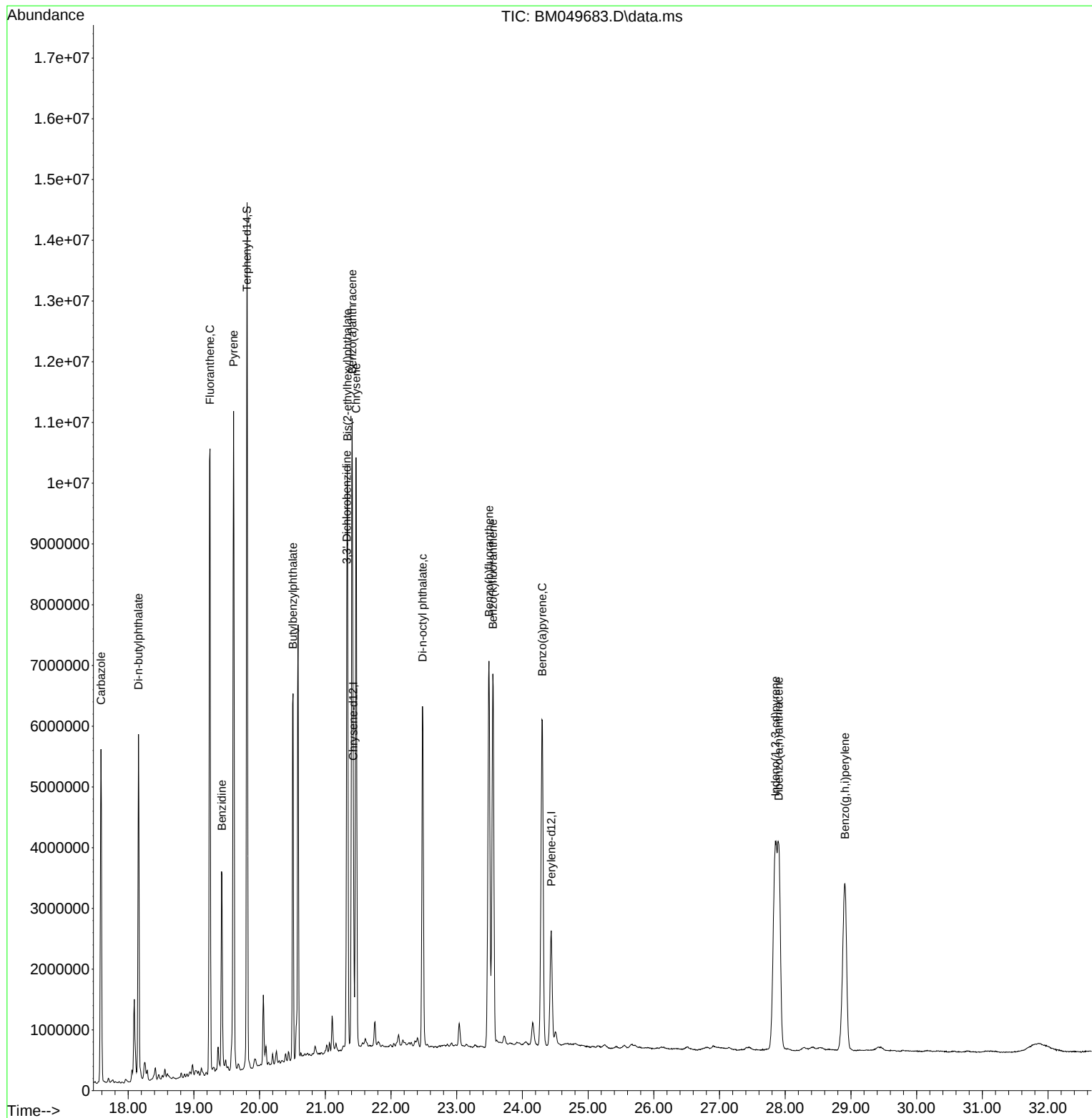
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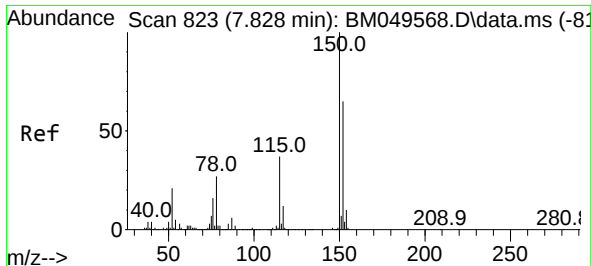


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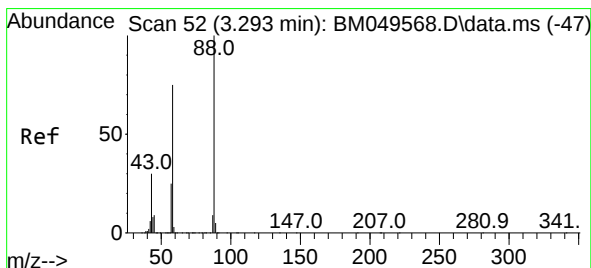
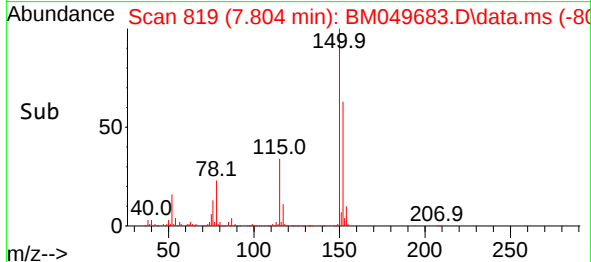
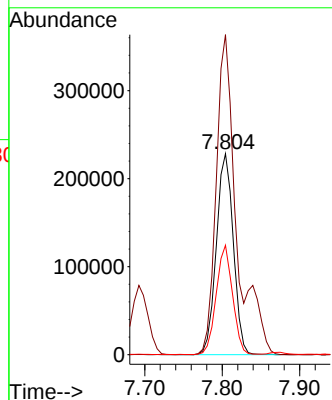
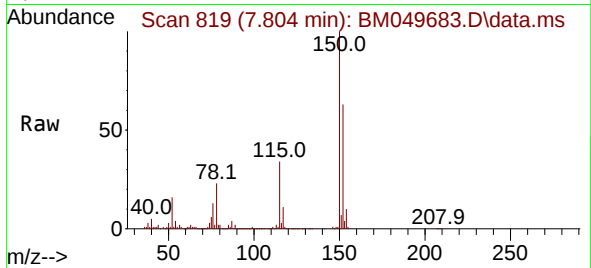




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.804 min Scan# 81
 Delta R.T. -0.024 min
 Lab File: BM049683.D
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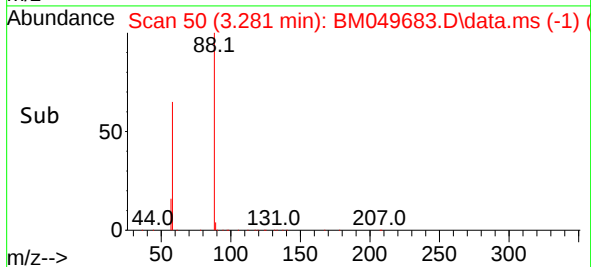
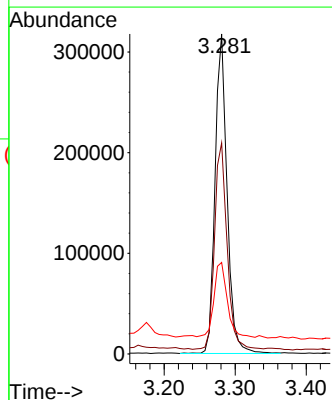
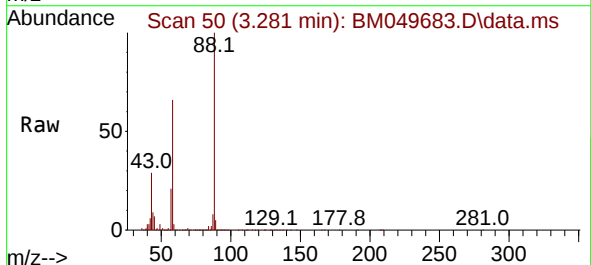
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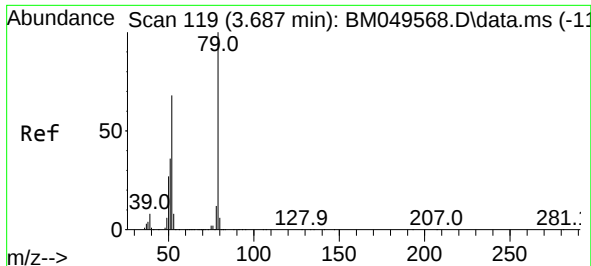
Tgt Ion:152 Resp: 347305
 Ion Ratio Lower Upper
 152 100
 150 159.2 122.6 184.0
 115 54.5 45.4 68.0



#2
 1,4-Dioxane
 Concen: 41.020 ng
 RT: 3.281 min Scan# 50
 Delta R.T. -0.012 min
 Lab File: BM049683.D
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Tgt Ion: 88 Resp: 372494
 Ion Ratio Lower Upper
 88 100
 58 67.2 60.0 90.0
 43 25.7 24.4 36.6

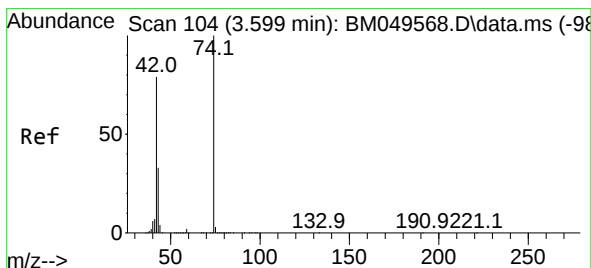
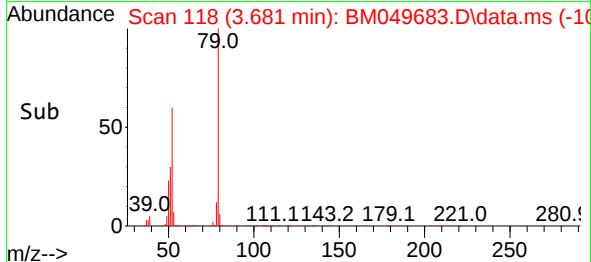
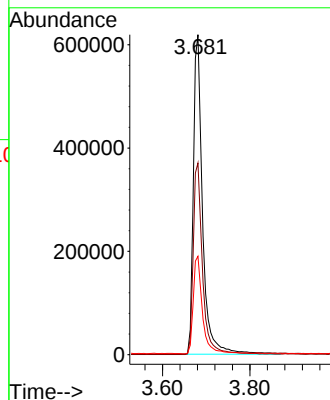
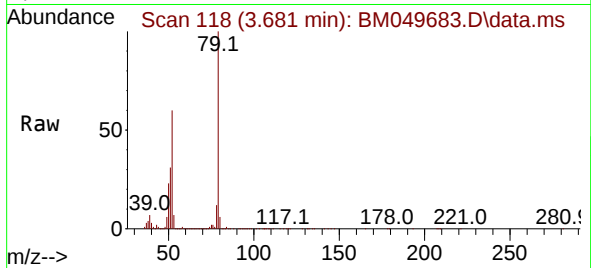




#3
 Pyridine
 Concen: 36.036 ng
 RT: 3.681 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: BM049683.D
 Acq: 28 Feb 2025 17:55

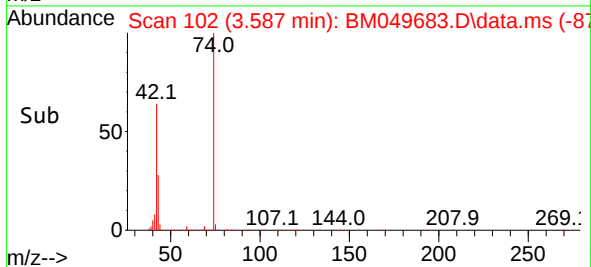
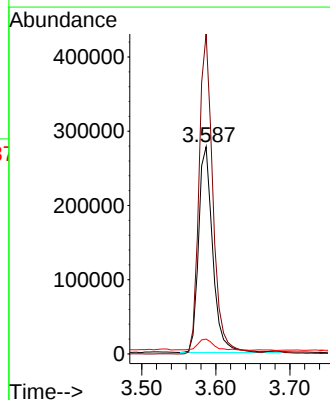
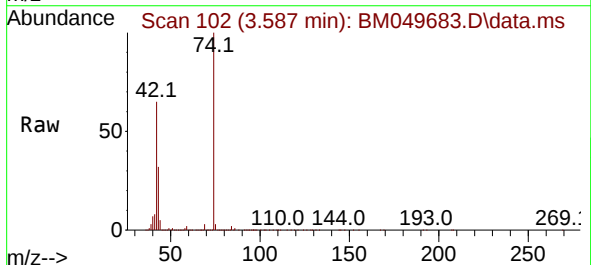
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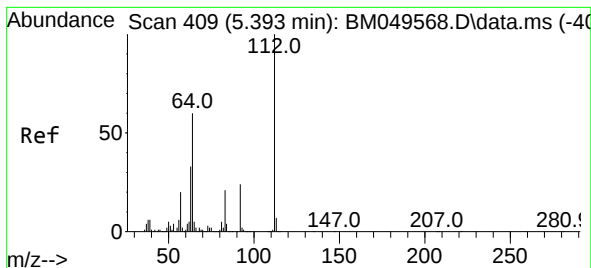
Tgt Ion: 79 Resp: 909357
 Ion Ratio Lower Upper
 79 100
 52 59.9 54.5 81.7
 51 30.7 29.0 43.6



#4
 n-Nitrosodimethylamine
 Concen: 31.102 ng
 RT: 3.587 min Scan# 102
 Delta R.T. -0.012 min
 Lab File: BM049683.D
 Acq: 28 Feb 2025 17:55

Tgt Ion: 42 Resp: 367200
 Ion Ratio Lower Upper
 42 100
 74 154.4 101.3 151.9
 44 7.2 6.5 9.7

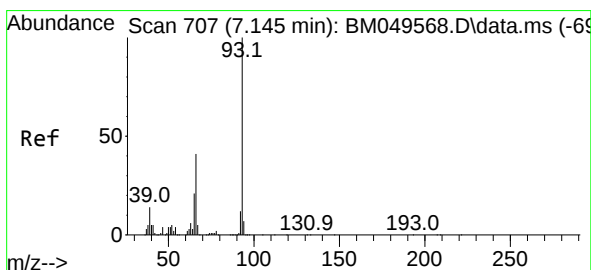
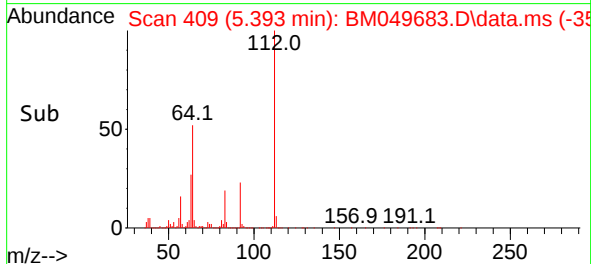
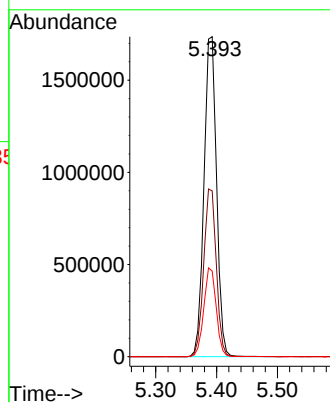
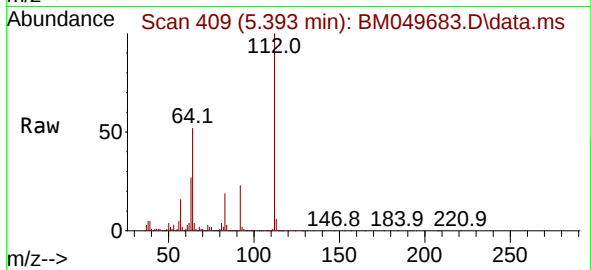




#5
2-Fluorophenol
Concen: 115.319 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049683.D
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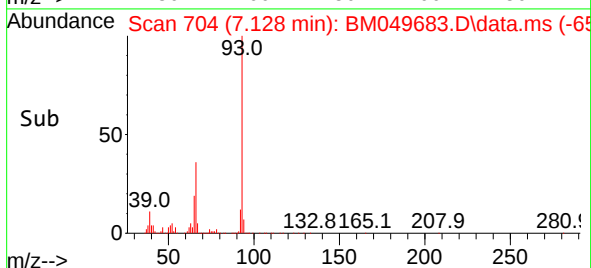
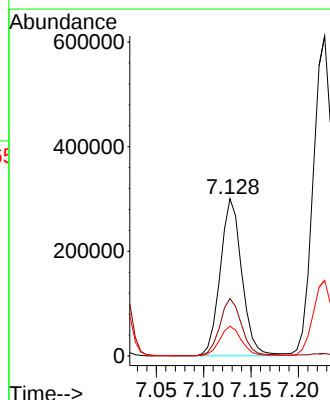
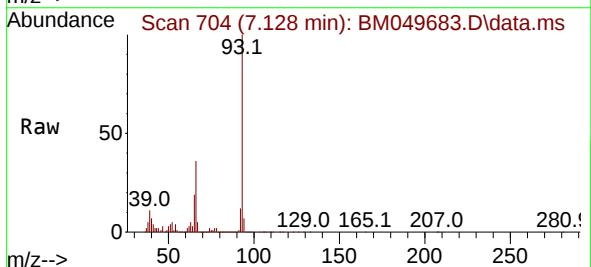
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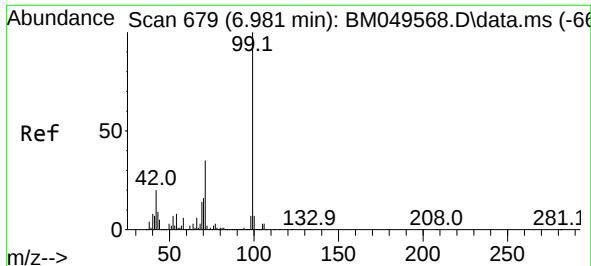
Tgt Ion:112 Resp: 2490582
Ion Ratio Lower Upper
112 100
64 51.8 47.8 71.8
63 26.7 26.2 39.4



#6
Aniline
Concen: 17.799 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion: 93 Resp: 477327
Ion Ratio Lower Upper
93 100
66 36.5 33.3 49.9
65 18.9 16.8 25.2

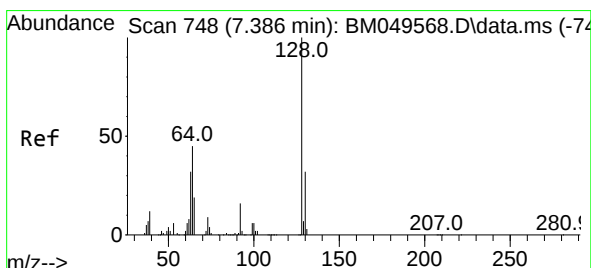
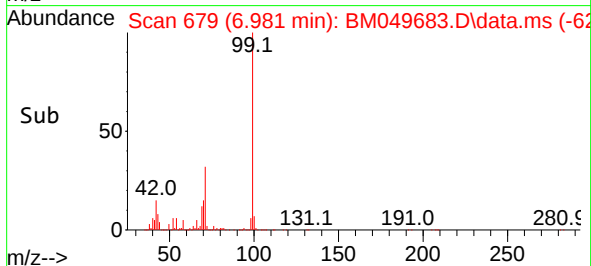
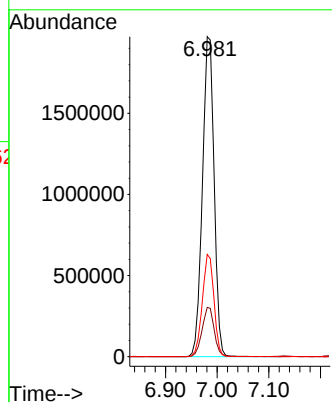
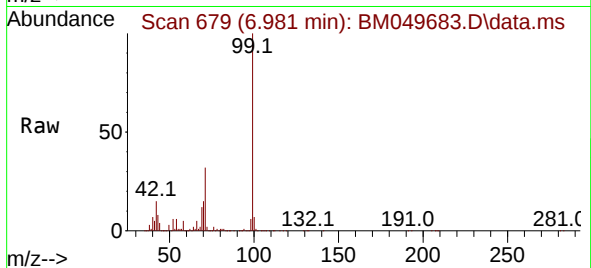




#7
Phenol-d6
Concen: 109.504 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049683.D
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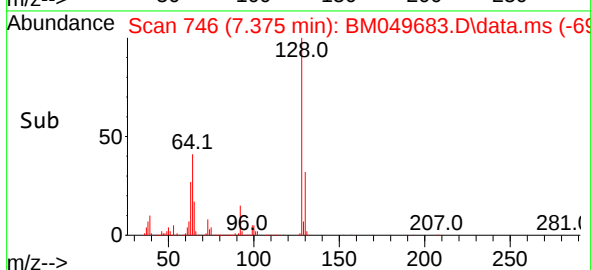
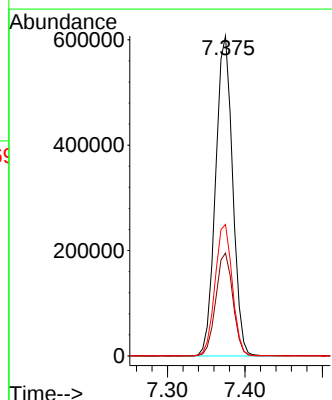
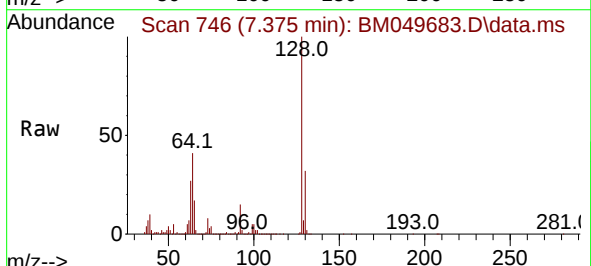
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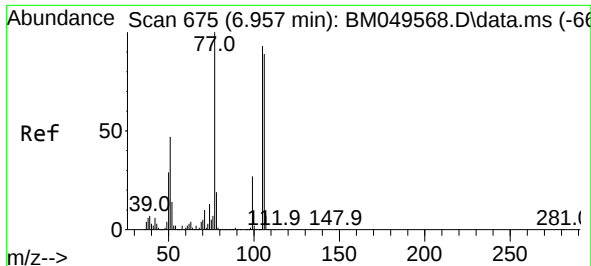
Tgt Ion: 99 Resp: 3098432
Ion Ratio Lower Upper
99 100
42 15.4 16.0 24.0#
71 31.9 27.8 41.6



#8
2-Chlorophenol
Concen: 43.008 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.012 min
Lab File: BM049683.D
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Tgt Ion:128 Resp: 927494
Ion Ratio Lower Upper
128 100
130 32.2 12.4 52.4
64 41.1 28.7 68.7

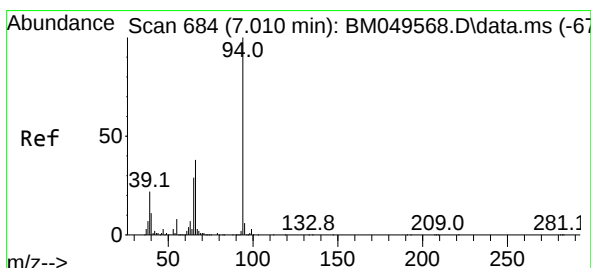
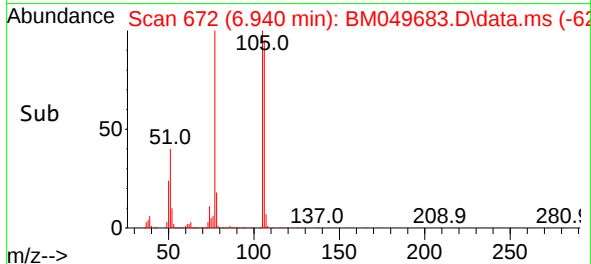
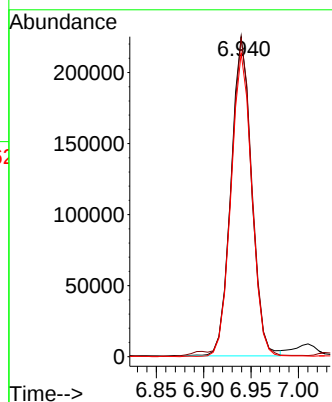
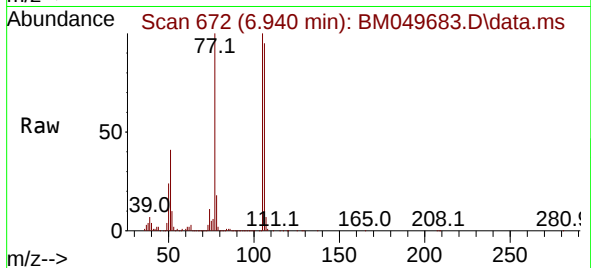




#9
Benzaldehyde
Concen: 22.674 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.018 min
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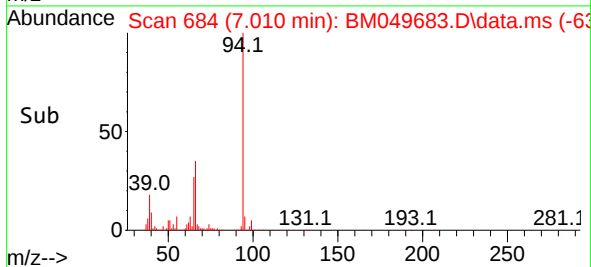
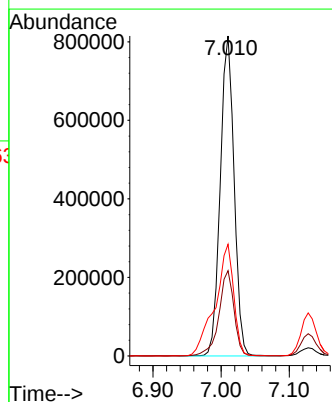
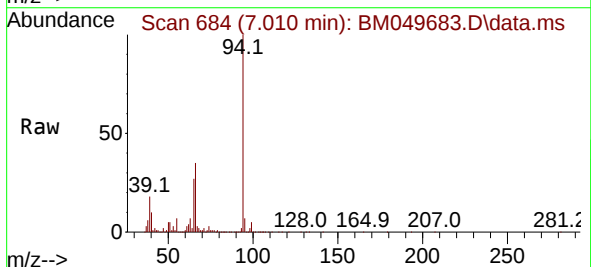
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

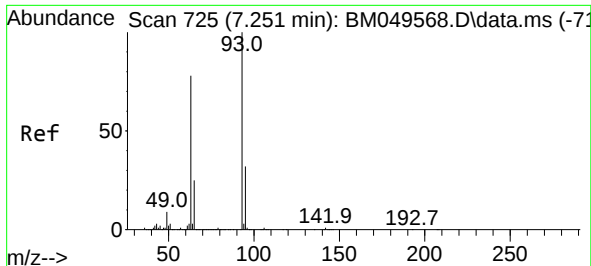
Tgt Ion: 77 Resp: 339702
Ion Ratio Lower Upper
77 100
105 99.6 72.7 112.7
106 94.8 68.9 108.9



#10
Phenol
Concen: 41.334 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.000 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion: 94 Resp: 1151957
Ion Ratio Lower Upper
94 100
65 26.7 9.3 49.3
66 34.9 17.7 57.7

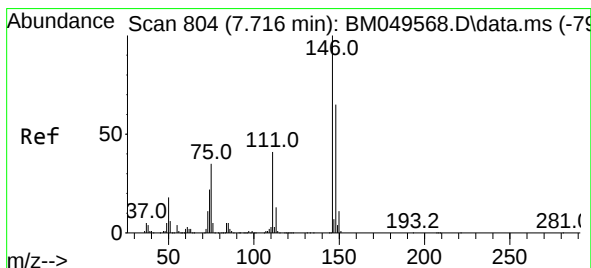
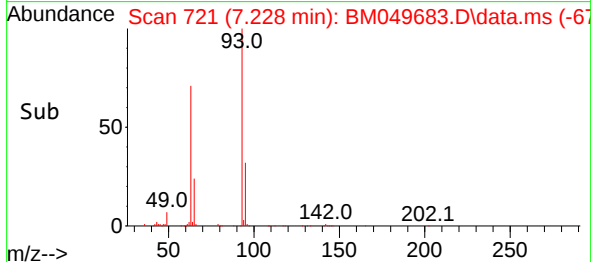
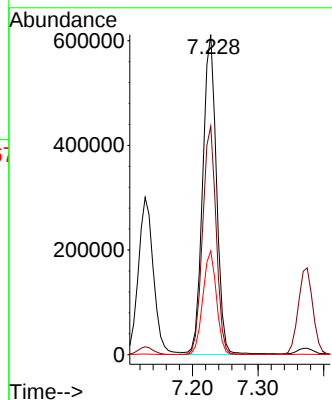
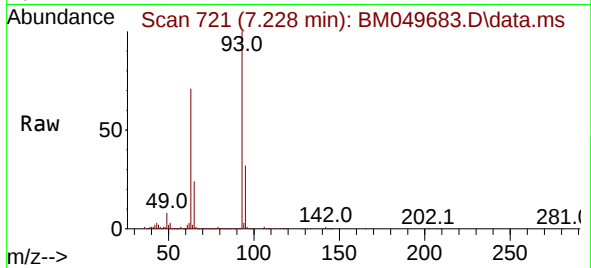




#11
bis(2-Chloroethyl)ether
Concen: 39.636 ng
RT: 7.228 min Scan# 71
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

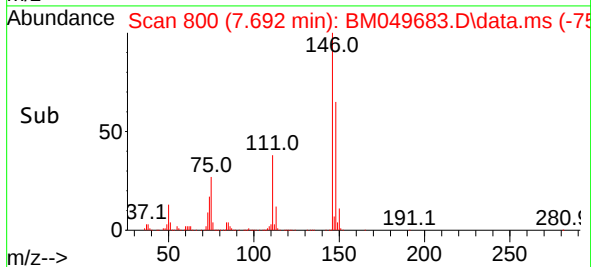
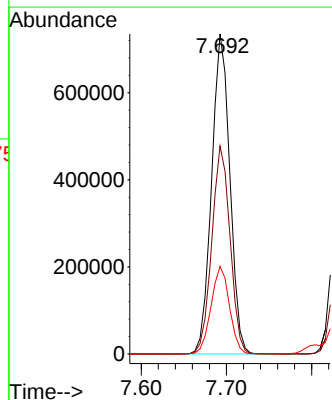
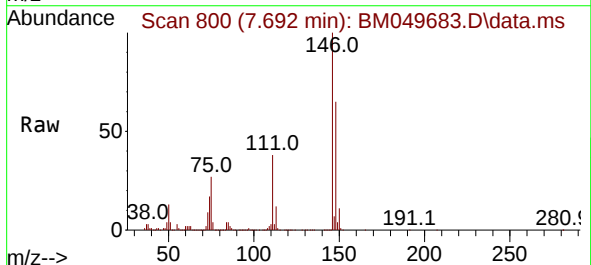
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

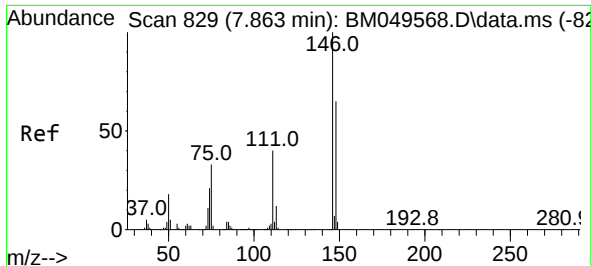
Tgt Ion: 93 Resp: 893658
Ion Ratio Lower Upper
93 100
63 71.4 57.3 97.3
95 32.4 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 43.572 ng
RT: 7.692 min Scan# 800
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:146 Resp: 1090697
Ion Ratio Lower Upper
146 100
148 64.9 52.2 78.2
75 27.3 28.3 42.5#

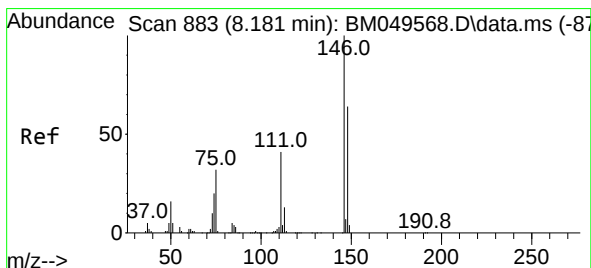
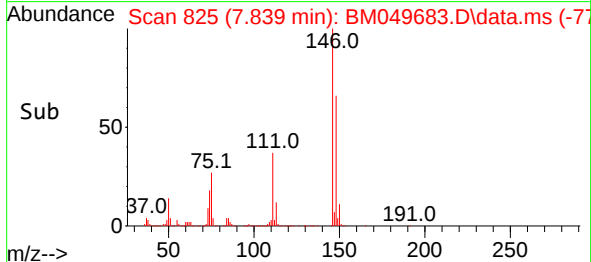
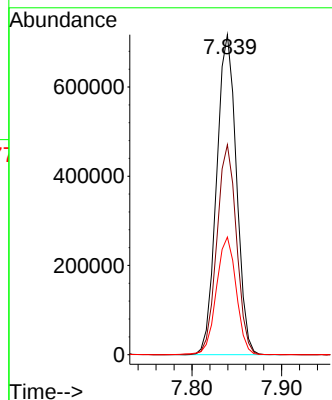
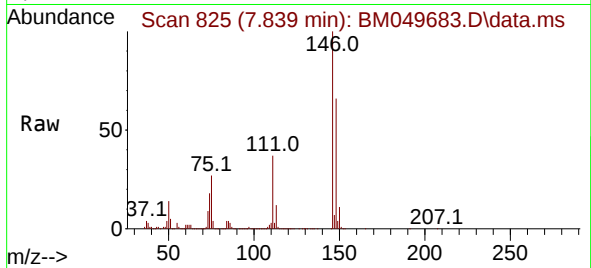




#13
1,4-Dichlorobenzene
Concen: 43.469 ng
RT: 7.839 min Scan# 81
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

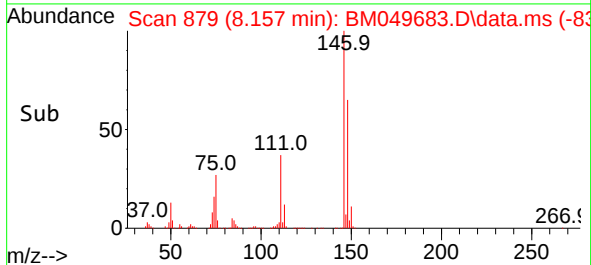
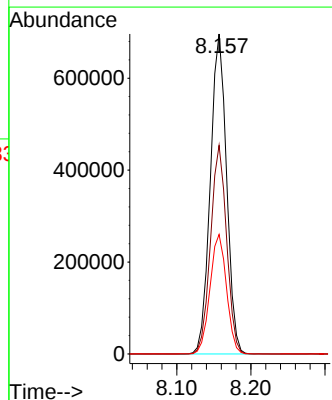
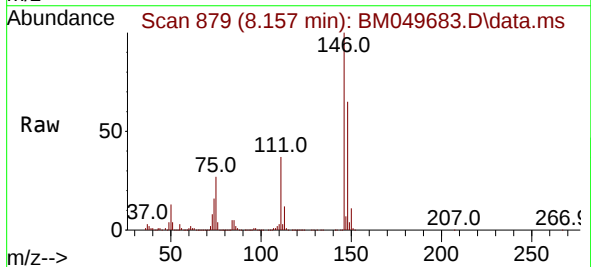
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

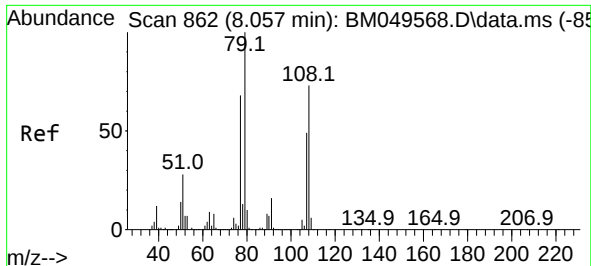
Tgt Ion:146 Resp: 1100624
Ion Ratio Lower Upper
146 100
148 65.6 52.1 78.1
111 36.7 31.7 47.5



#14
1,2-Dichlorobenzene
Concen: 43.289 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:146 Resp: 1058311
Ion Ratio Lower Upper
146 100
148 65.2 51.5 77.3
111 37.4 33.4 50.0

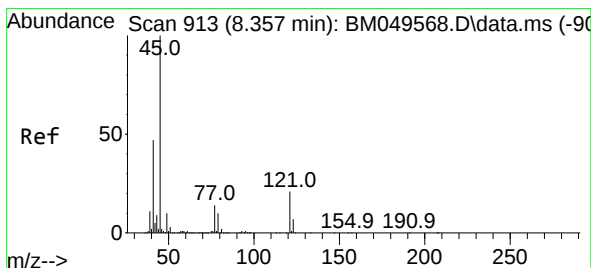
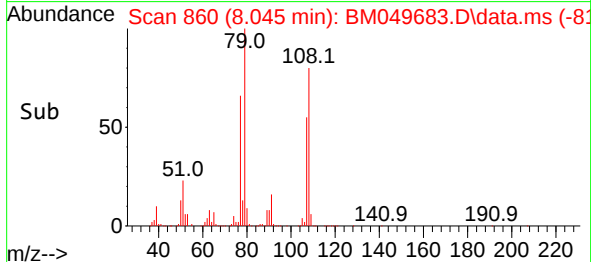
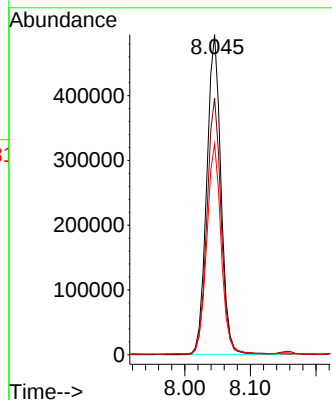
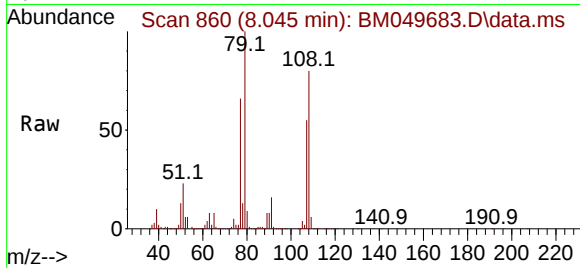




#15
Benzyl Alcohol
Concen: 37.922 ng
RT: 8.045 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

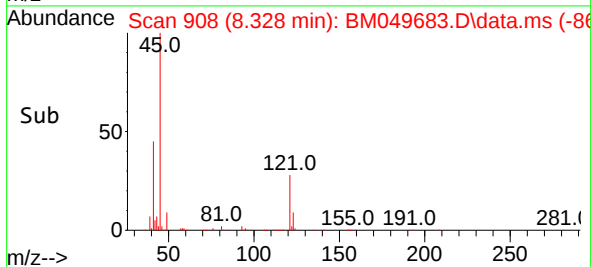
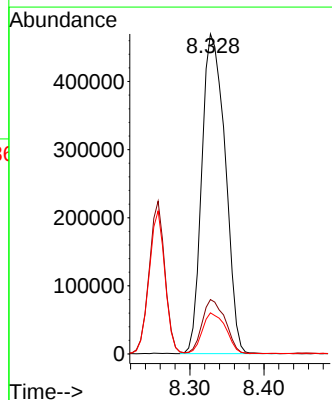
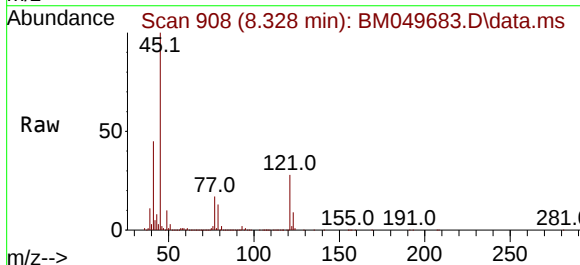
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

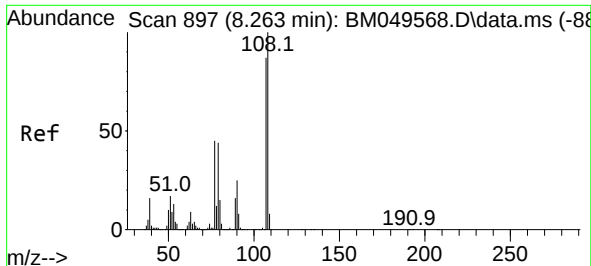
Tgt Ion: 79 Resp: 746511
Ion Ratio Lower Upper
79 100
108 80.2 58.6 88.0
77 65.9 54.0 81.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.830 ng
RT: 8.328 min Scan# 908
Delta R.T. -0.029 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion: 45 Resp: 1026803
Ion Ratio Lower Upper
45 100
77 17.0 0.0 34.0
79 12.8 0.0 30.8

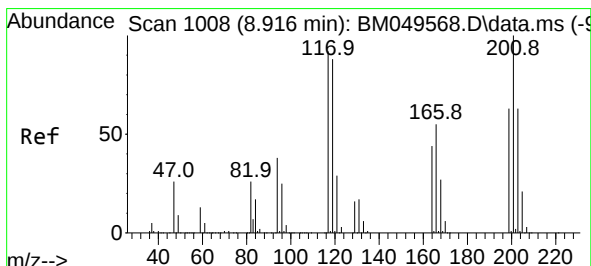
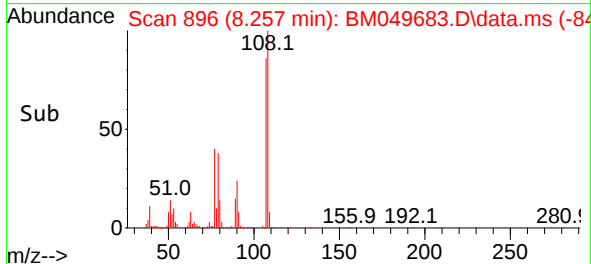
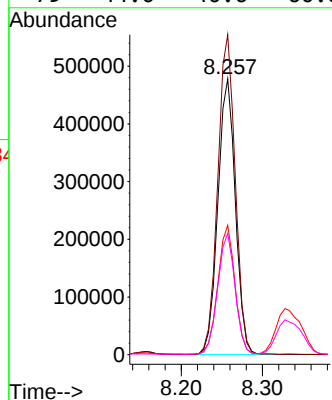
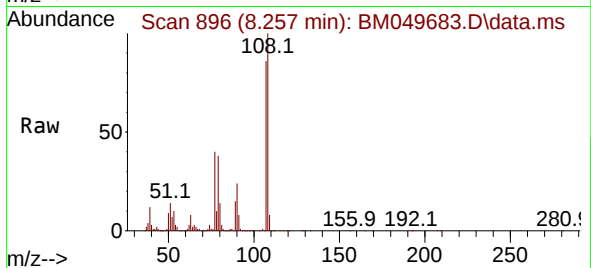




#17
2-Methylphenol
Concen: 42.100 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

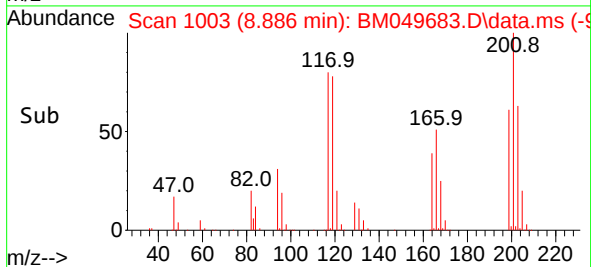
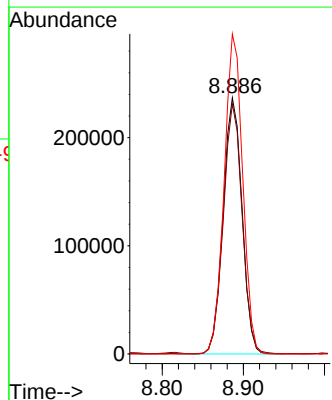
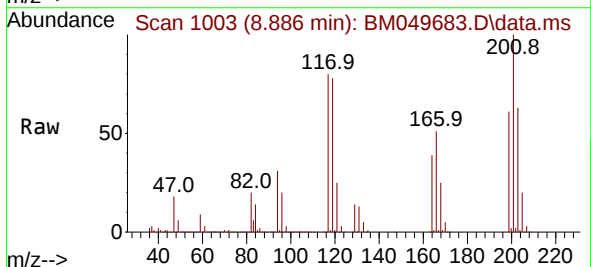
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

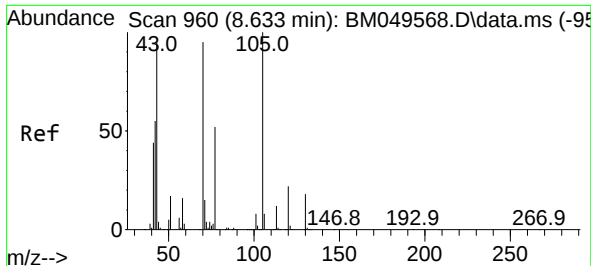
Tgt Ion:	107	Resp:	717422
Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.2	138.4
77	47.0	41.3	61.9
79	44.0	40.6	60.8



#18
Hexachloroethane
Concen: 41.492 ng
RT: 8.886 min Scan# 1003
Delta R.T. -0.029 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:	117	Resp:	383740
Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.8	115.2
201	124.9	87.0	130.6

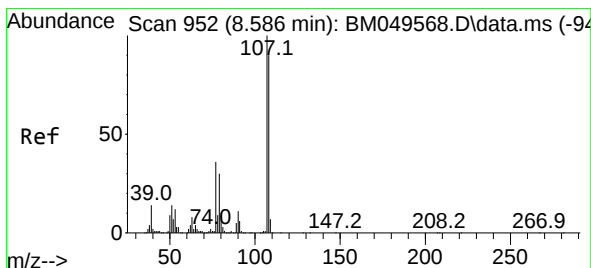
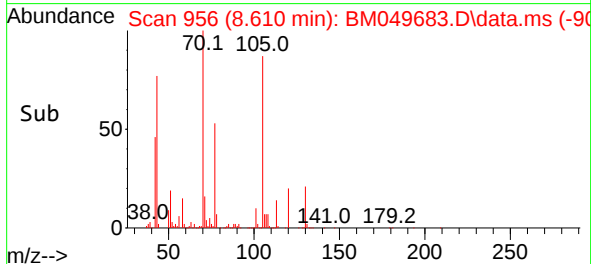
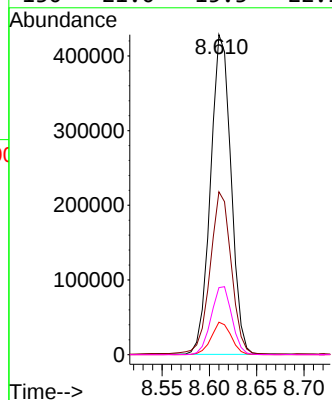
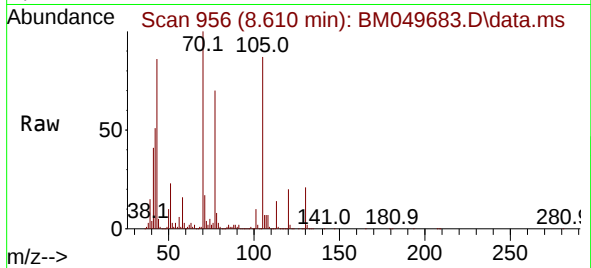




#19
n-Nitroso-di-n-propylamine
Concen: 34.779 ng
RT: 8.610 min Scan# 91
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

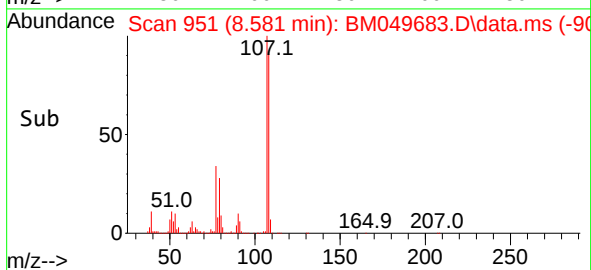
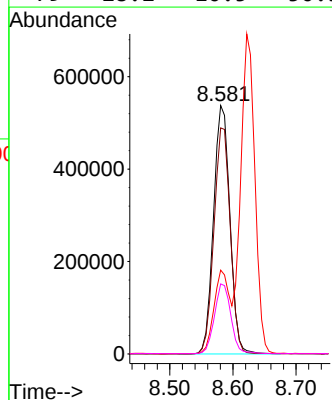
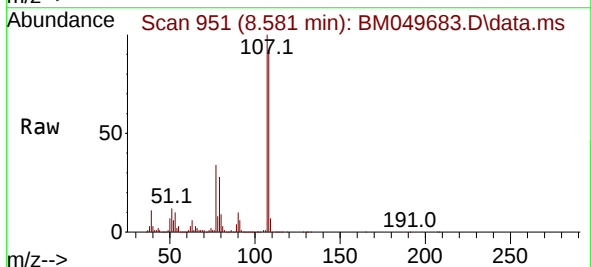
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

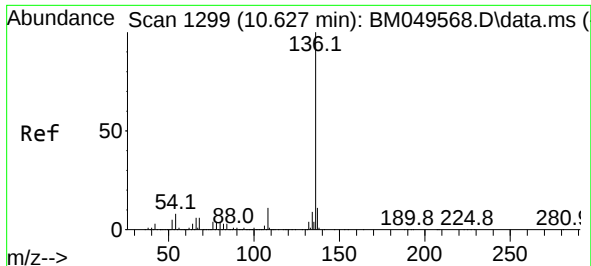
Tgt Ion: 70 Resp: 644418
Ion Ratio Lower Upper
70 100
42 50.9 47.4 71.2
101 10.2 7.1 10.7
130 21.0 15.3 22.9



#20
3+4-Methylphenols
Concen: 43.003 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion: 107 Resp: 967373
Ion Ratio Lower Upper
107 100
108 91.0 69.6 109.6
77 33.8 16.0 56.0
79 28.2 10.5 50.5

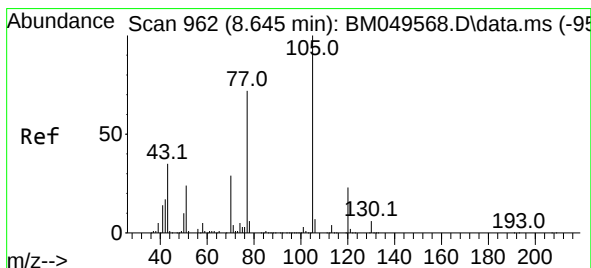
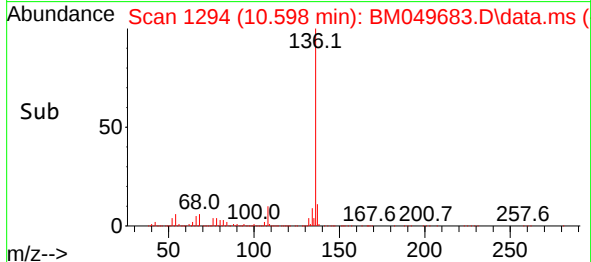
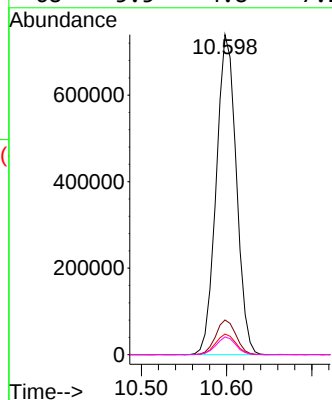
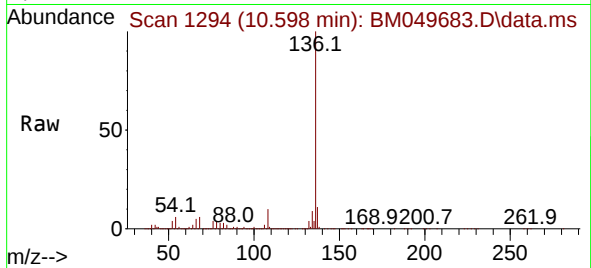




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 11
Delta R.T. -0.029 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

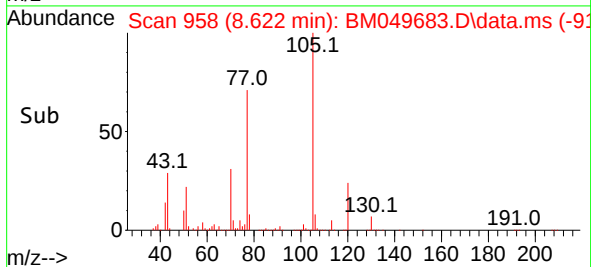
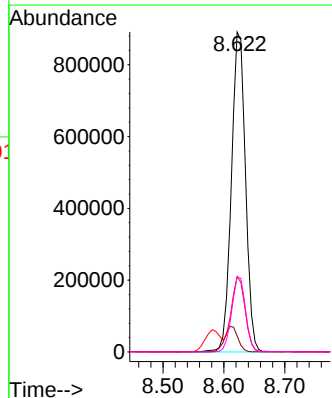
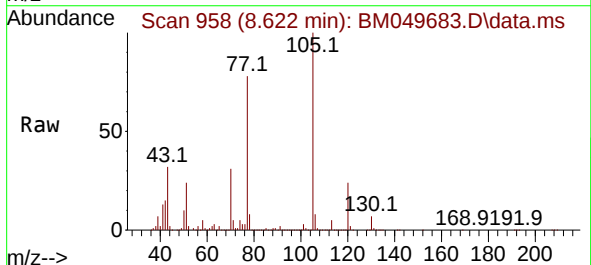
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BNA_M
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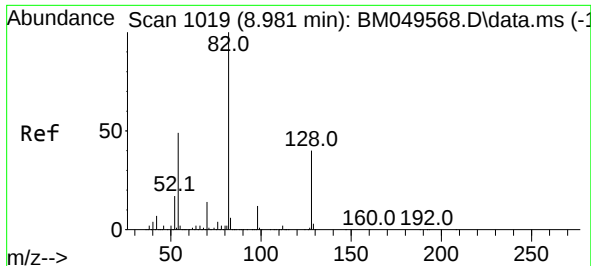
Tgt Ion:136 Resp: 1210606
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 6.5 6.6 10.0#
68 5.5 4.8 7.2



#22
Acetophenone
Concen: 43.951 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:105 Resp: 1433077
Ion Ratio Lower Upper
105 100
71 4.9 3.5 5.3
51 23.5 21.7 32.5
120 23.5 18.1 27.1

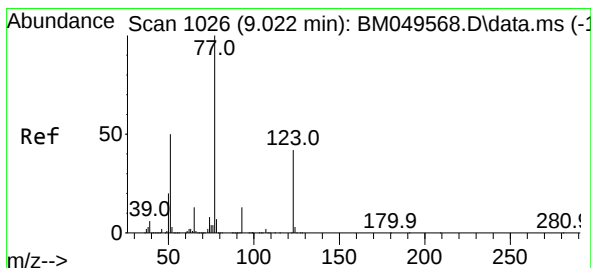
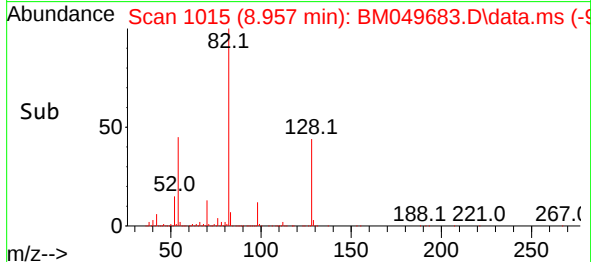
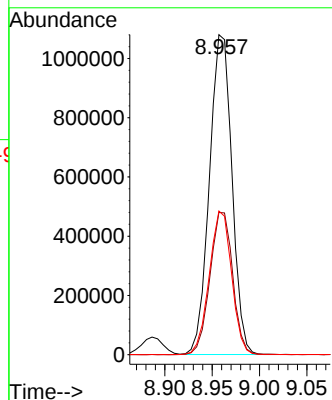
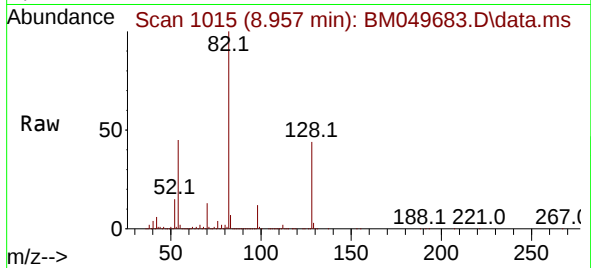




#23
Nitrobenzene-d5
Concen: 75.944 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

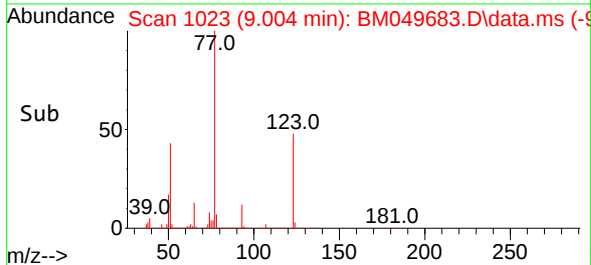
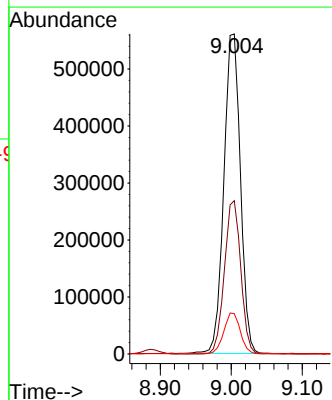
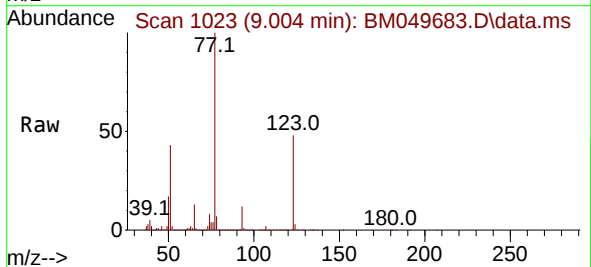
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BNA_M
ClientSampleId :
SP-SOILMS

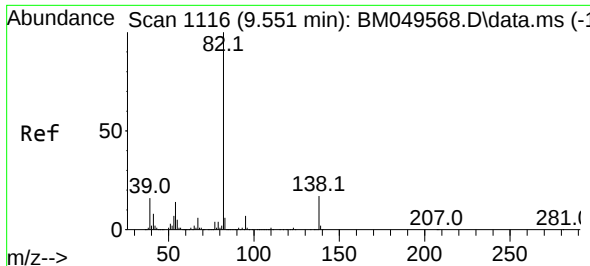
Tgt Ion: 82 Resp: 1787386
Ion Ratio Lower Upper
82 100
128 44.4 31.6 47.4
54 44.9 39.4 59.0



#24
Nitrobenzene
Concen: 39.569 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion: 77 Resp: 904790
Ion Ratio Lower Upper
77 100
123 47.9 33.4 50.2
65 12.6 10.5 15.7

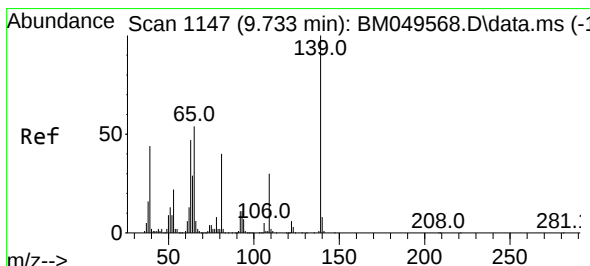
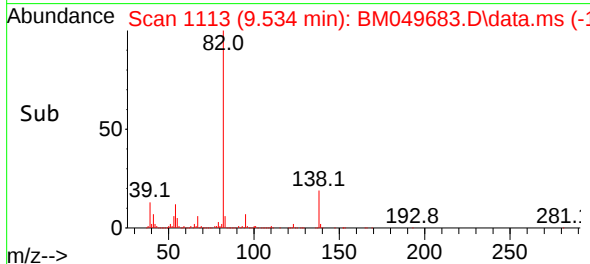
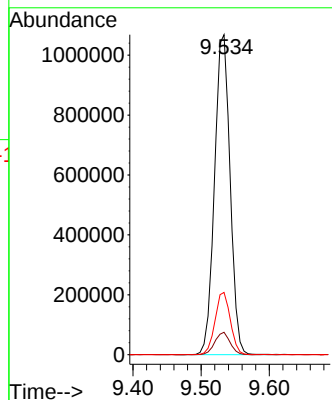
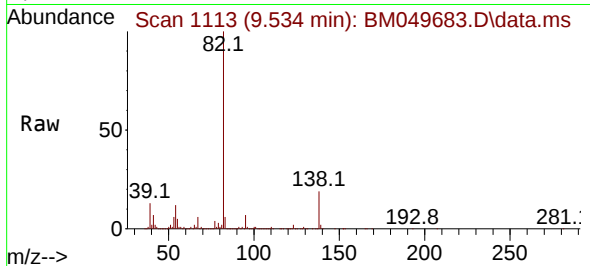




#25
Isophorone
Concen: 39.955 ng
RT: 9.534 min Scan# 1113
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

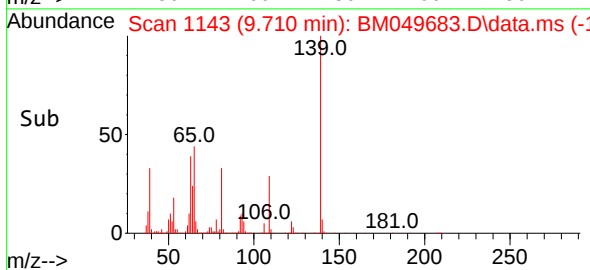
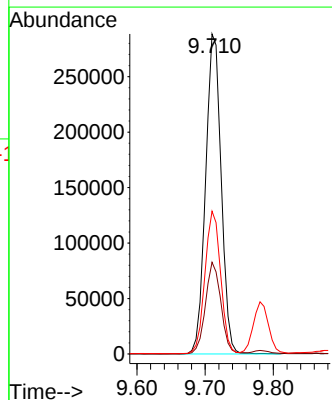
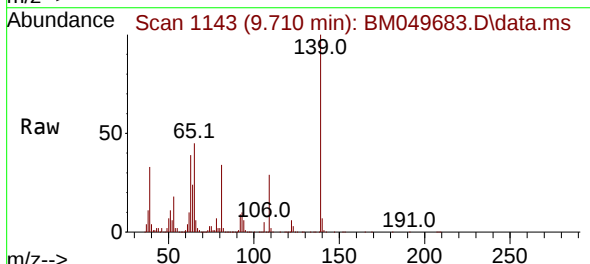
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

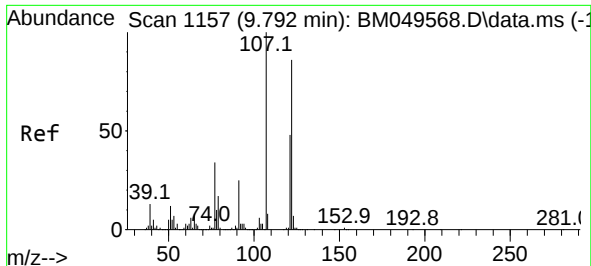
Tgt Ion: 82 Resp: 1695898
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 19.5 13.6 20.4



#26
2-Nitrophenol
Concen: 56.059 ng
RT: 9.710 min Scan# 1143
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:139 Resp: 458467
Ion Ratio Lower Upper
139 100
109 28.6 24.2 36.2
65 44.6 43.4 65.2

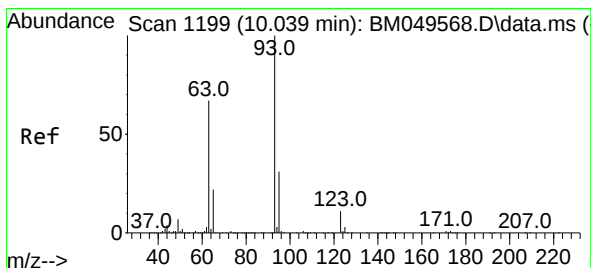
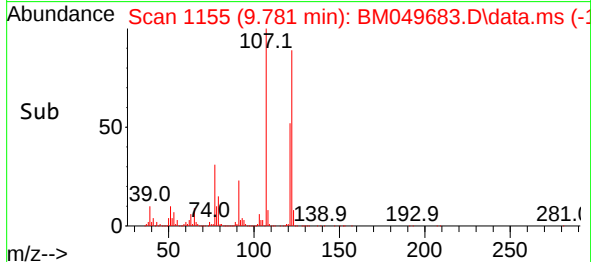
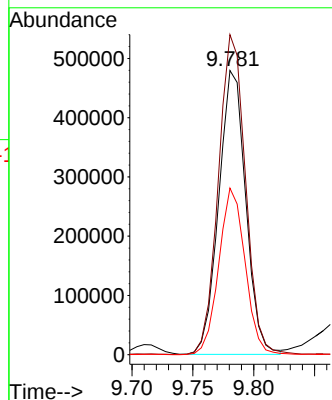
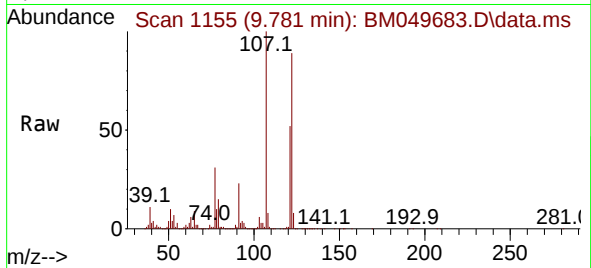




#27
2,4-Dimethylphenol
Concen: 55.103 ng
RT: 9.781 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

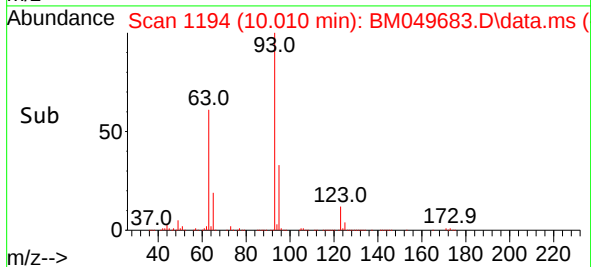
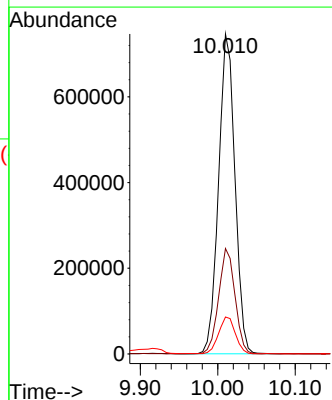
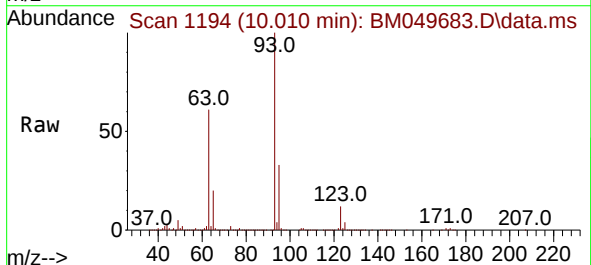
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

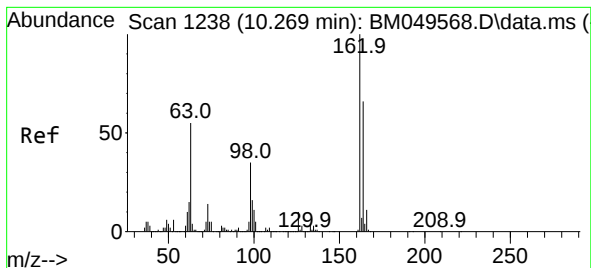
Tgt Ion:122 Resp: 739537
Ion Ratio Lower Upper
122 100
107 112.6 93.2 139.8
121 58.6 44.4 66.6



#28
bis(2-Chloroethoxy)methane
Concen: 40.024 ng
RT: 10.010 min Scan# 1194
Delta R.T. -0.029 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion: 93 Resp: 1094156
Ion Ratio Lower Upper
93 100
95 32.9 25.2 37.8
123 11.6 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 50.018 ng

RT: 10.251 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

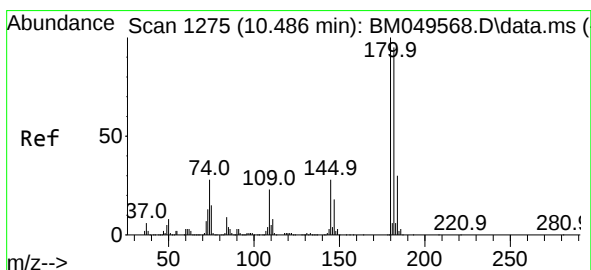
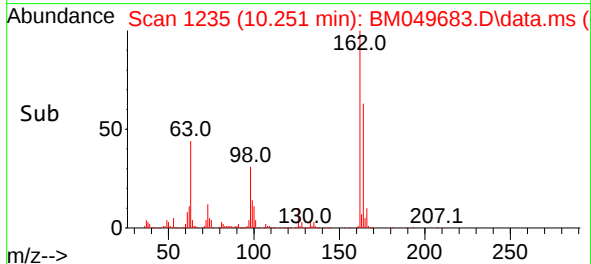
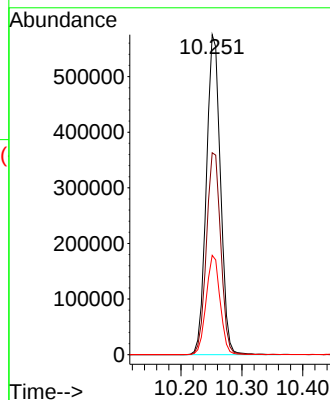
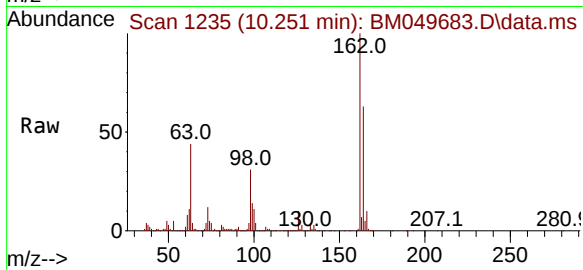
Tgt Ion:162 Resp: 924470

Ion Ratio Lower Upper

162 100

164 63.1 46.0 86.0

98 31.1 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 45.776 ng

RT: 10.463 min Scan# 1271

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

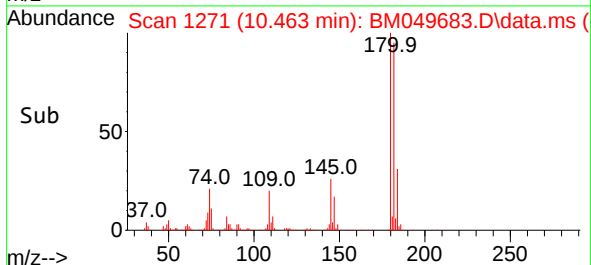
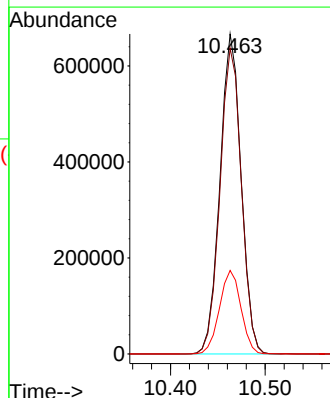
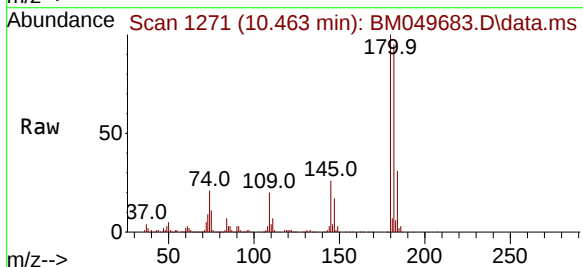
Tgt Ion:180 Resp: 1036567

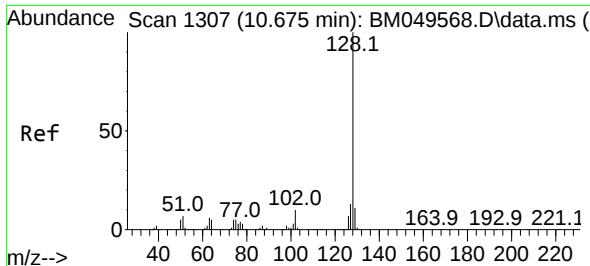
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 26.1 22.5 33.7

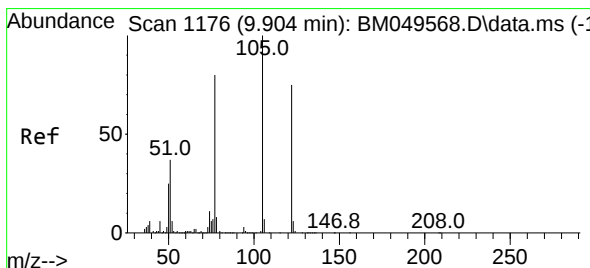
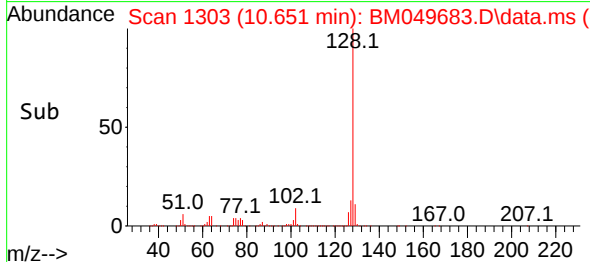
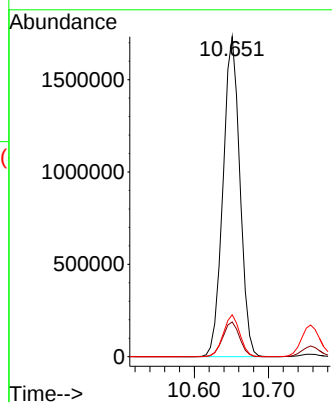
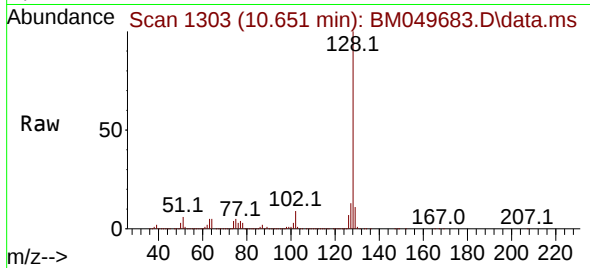




#31
Naphthalene
Concen: 42.854 ng
RT: 10.651 min Scan# 1177
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

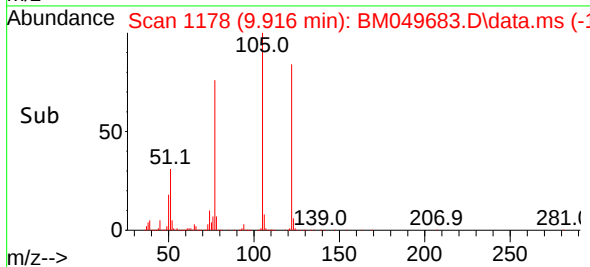
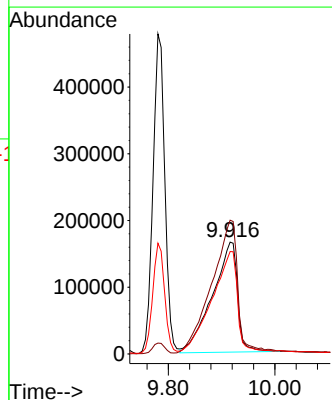
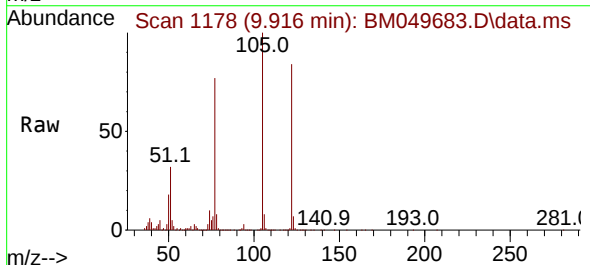
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

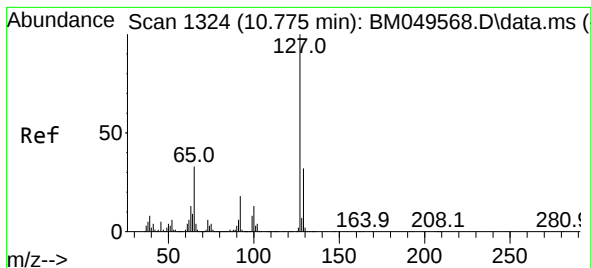
Tgt Ion:128 Resp: 2736140
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.1 10.6 15.8



#32
Benzoic acid
Concen: 59.118 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.012 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:122 Resp: 540207
Ion Ratio Lower Upper
122 100
105 119.5 103.6 143.6
77 91.6 82.4 122.4

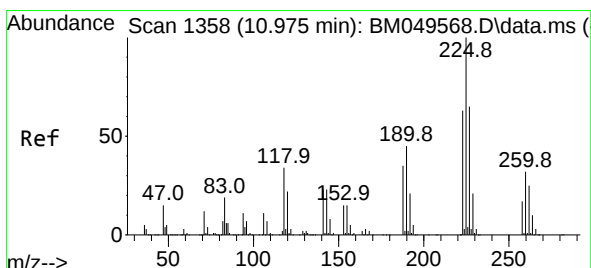
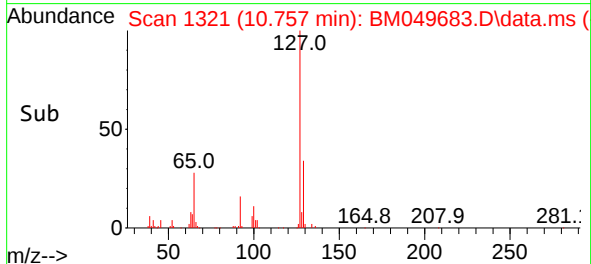
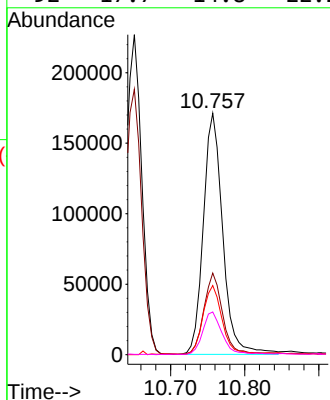
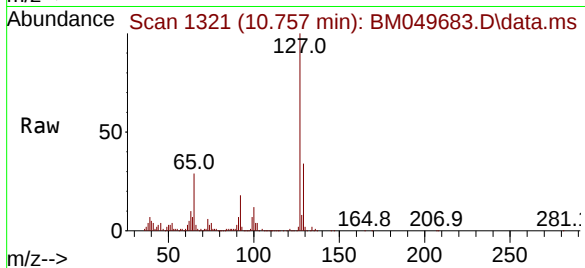




#33
4-Chloroaniline
Concen: 13.068 ng
RT: 10.757 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

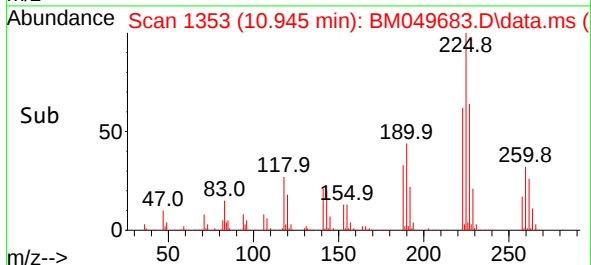
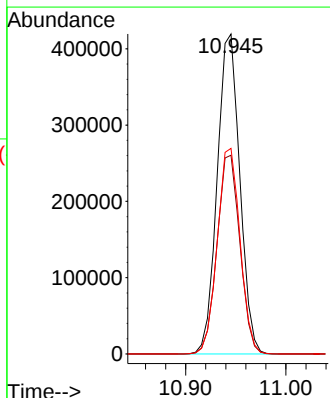
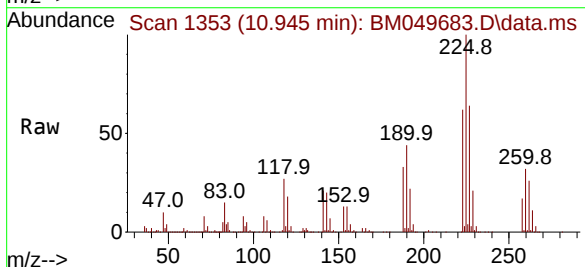
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

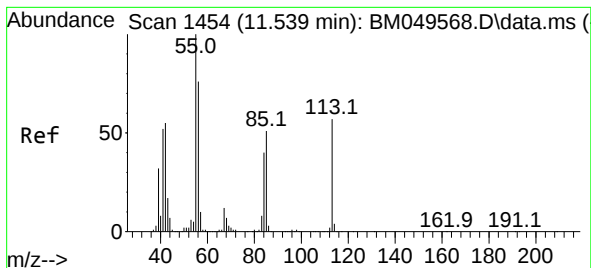
Tgt Ion:	127	Resp:	312299
Ion	Ratio	Lower	Upper
127	100		
129	33.8	25.8	38.8
65	28.6	26.4	39.6
92	17.7	14.8	22.2



#34
Hexachlorobutadiene
Concen: 48.404 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.029 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:	225	Resp:	656379
Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	75.8
227	64.3	51.8	77.6

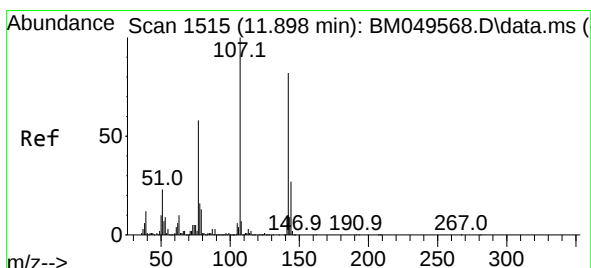
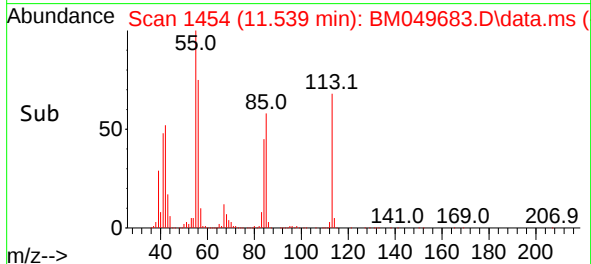
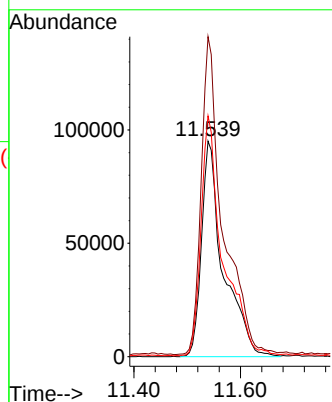
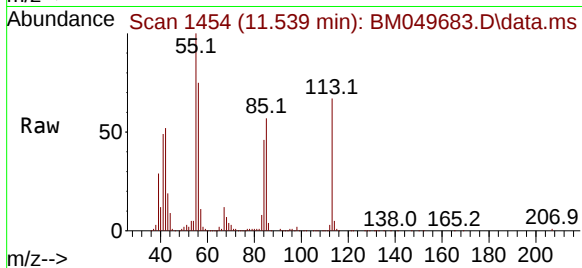




#35
Caprolactam
Concen: 47.956 ng
RT: 11.539 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

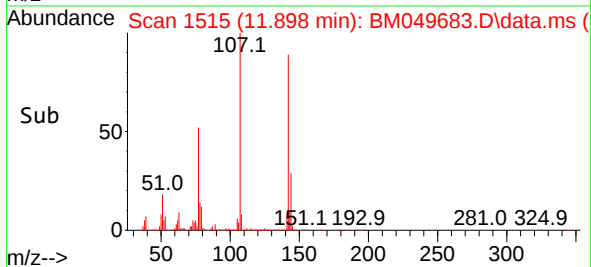
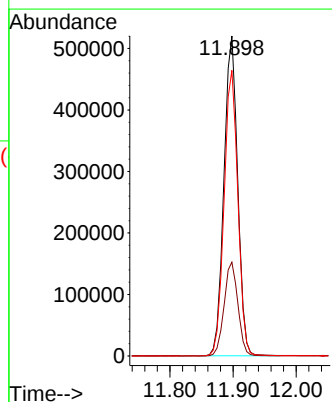
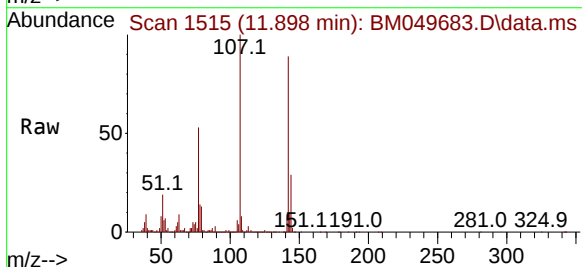
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

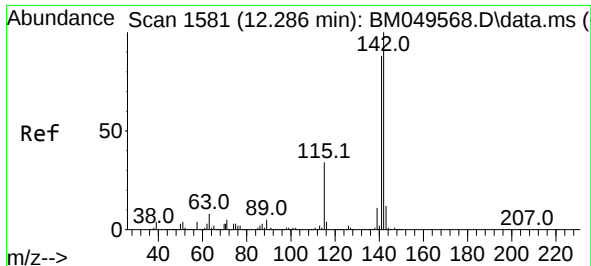
Tgt Ion:113 Resp: 270402
Ion Ratio Lower Upper
113 100
55 148.4 157.5 197.5#
56 111.7 114.6 154.6#



#36
4-Chloro-3-methylphenol
Concen: 42.653 ng
RT: 11.898 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:107 Resp: 786181
Ion Ratio Lower Upper
107 100
144 29.3 21.2 31.8
142 89.2 65.4 98.2

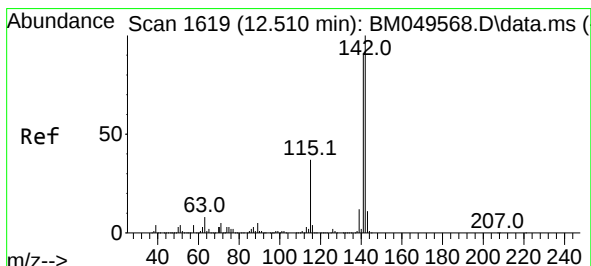
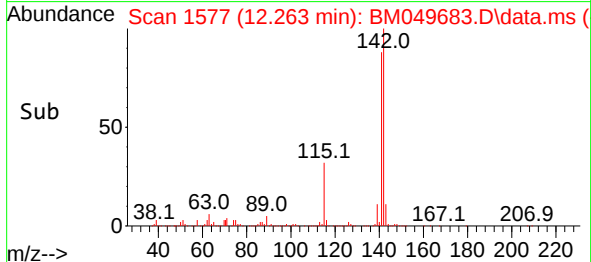
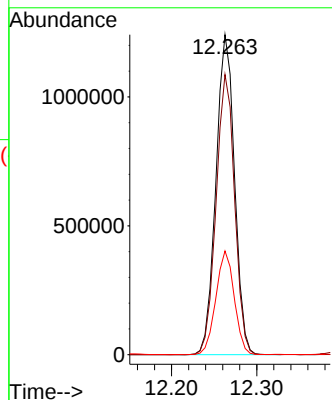
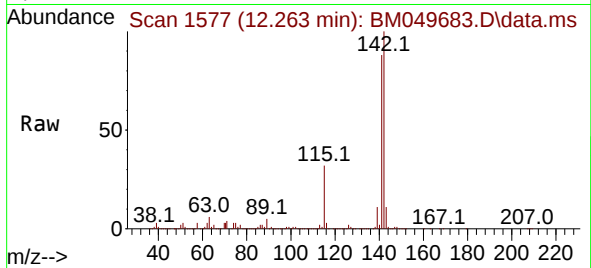




#37
2-Methylnaphthalene
Concen: 41.866 ng
RT: 12.263 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

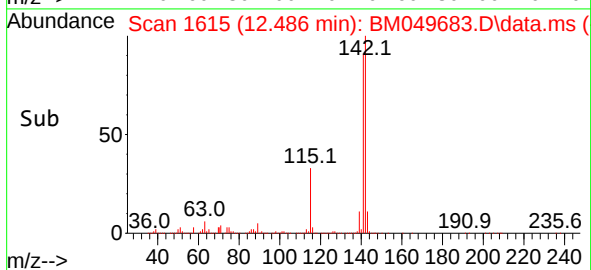
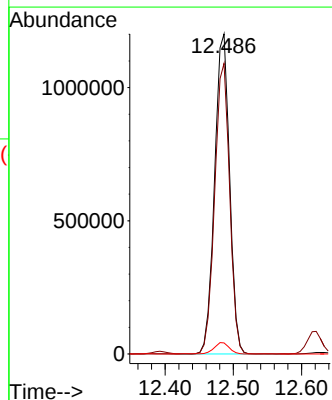
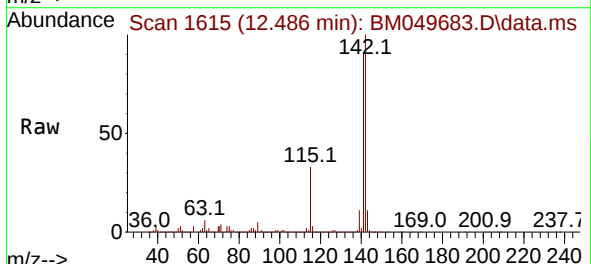
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

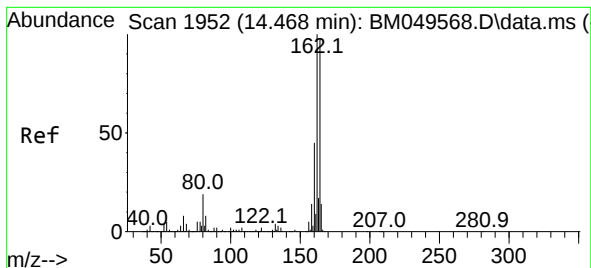
Tgt Ion:142 Resp: 1882028
Ion Ratio Lower Upper
142 100
141 87.5 70.2 105.4
115 32.4 27.5 41.3



#38
1-Methylnaphthalene
Concen: 41.983 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:142 Resp: 1836236
Ion Ratio Lower Upper
142 100
141 90.8 73.1 109.7
116 3.4 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: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

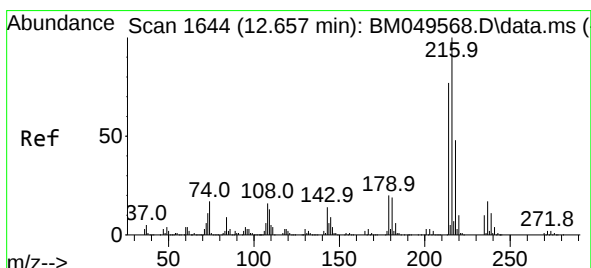
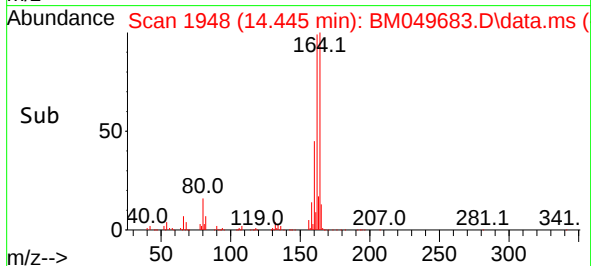
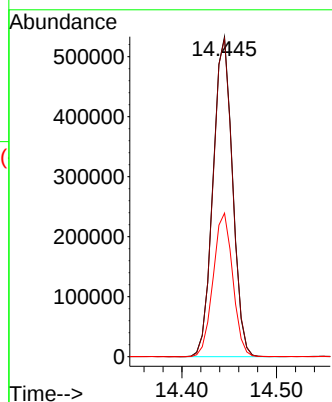
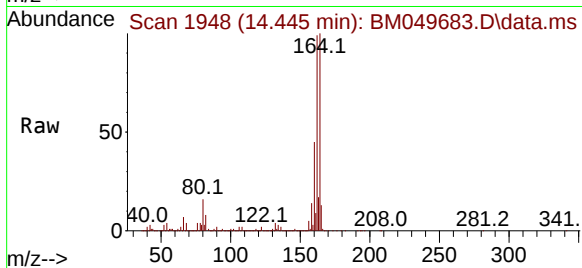
Tgt Ion:164 Resp: 762853

Ion Ratio Lower Upper

164 100

162 99.4 81.4 122.0

160 44.9 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 53.786 ng

RT: 12.633 min Scan# 1640

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Tgt Ion:216 Resp: 1349027

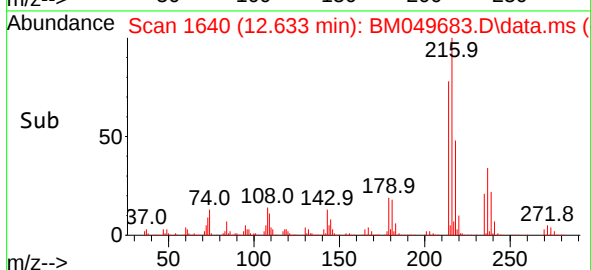
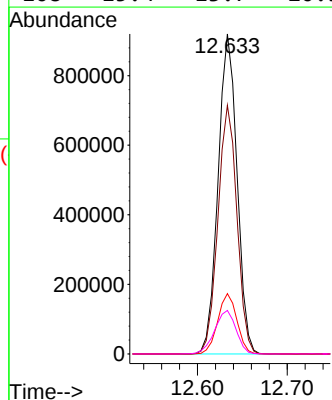
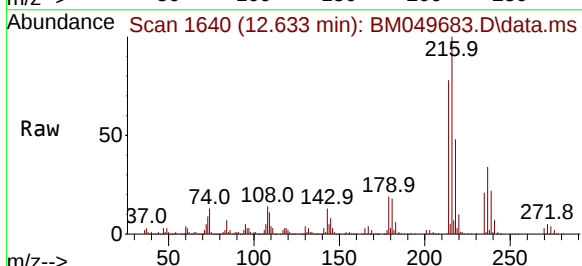
Ion Ratio Lower Upper

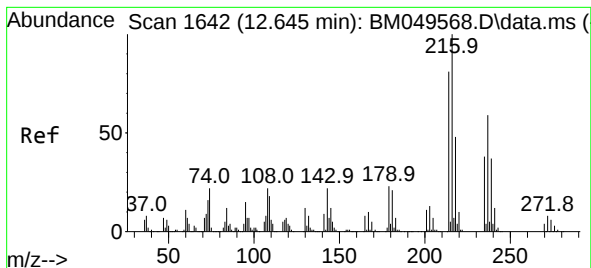
216 100

214 77.9 62.4 93.6

179 19.1 16.3 24.5

108 15.4 13.7 20.5





#41

Hexachlorocyclopentadiene

Concen: 187.639 ng

RT: 12.622 min Scan# 1

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

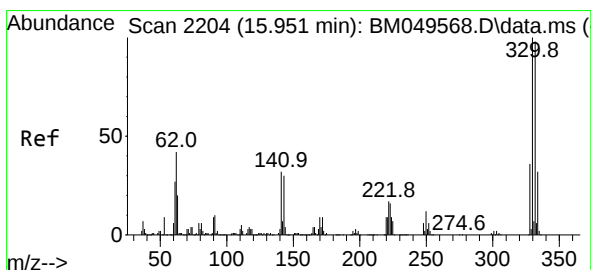
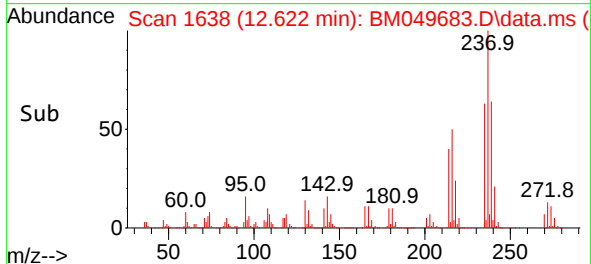
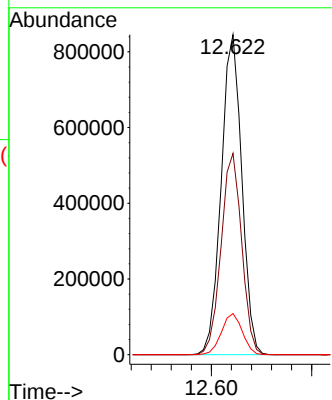
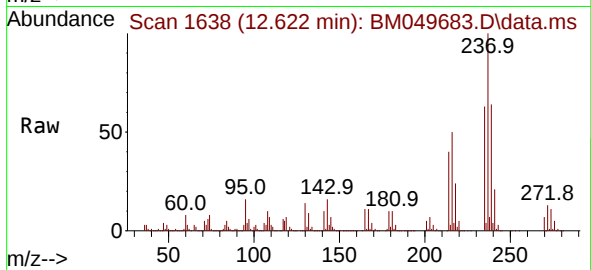
Tgt Ion:237 Resp: 1201438

Ion Ratio Lower Upper

237 100

235 62.9 43.8 83.8

272 12.8 0.0 33.5



#42

2,4,6-Tribromophenol

Concen: 152.512 ng

RT: 15.933 min Scan# 2201

Delta R.T. -0.018 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

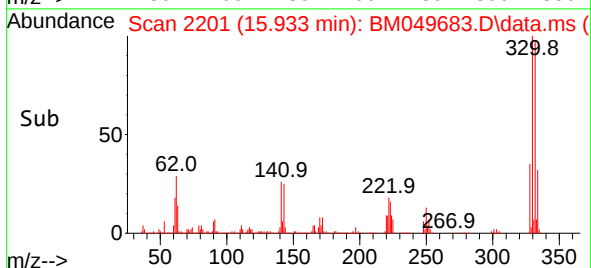
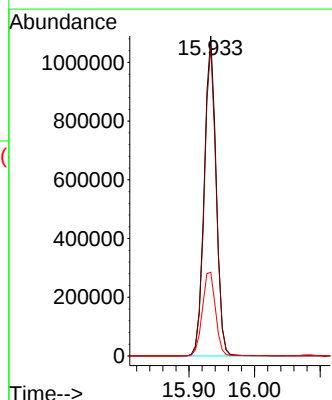
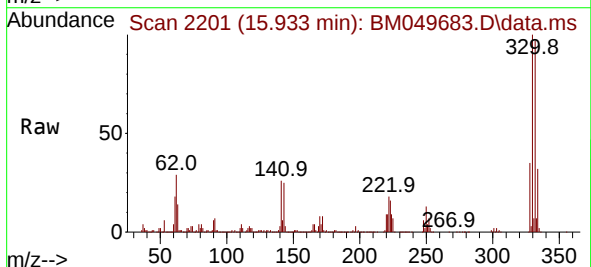
Tgt Ion:330 Resp: 1378582

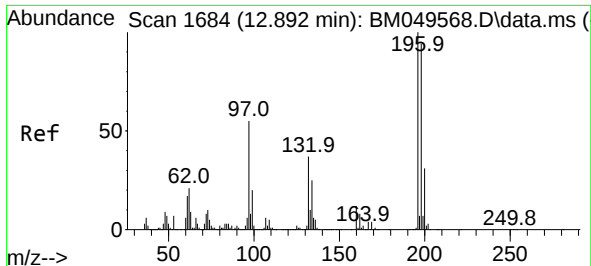
Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 28.9 28.2 42.2

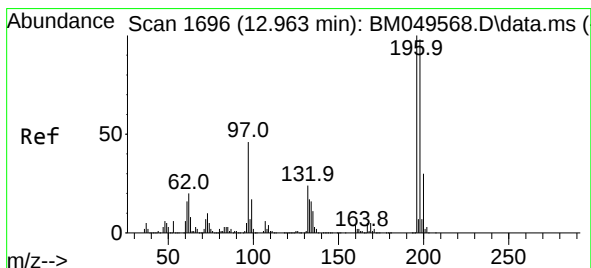
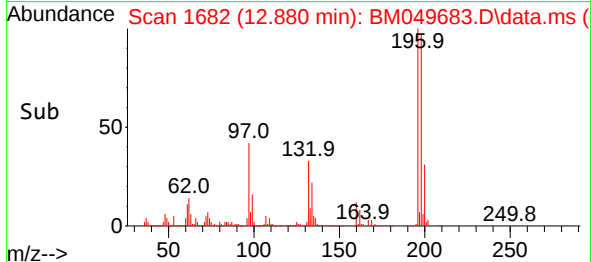
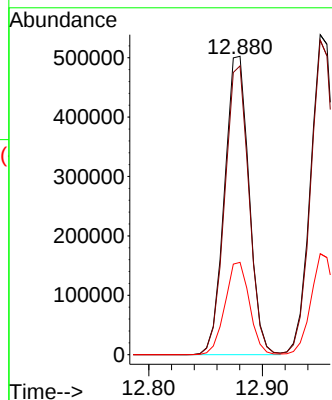
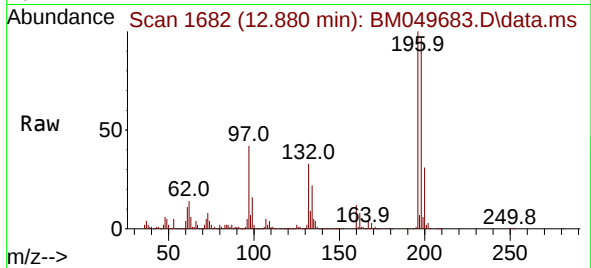




#43
2,4,6-Trichlorophenol
Concen: 55.127 ng
RT: 12.880 min Scan# 1682
Delta R.T. -0.012 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

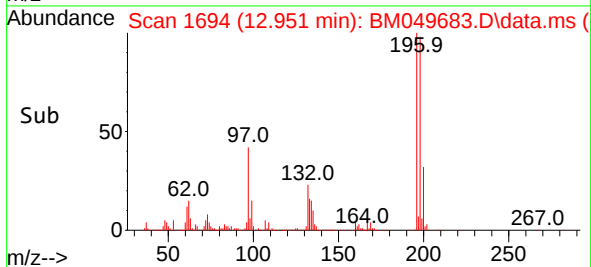
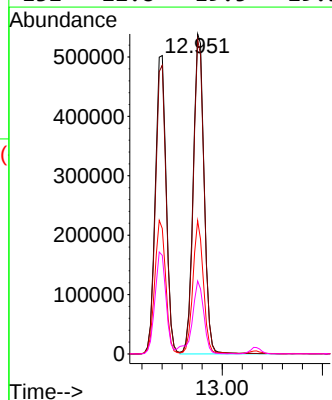
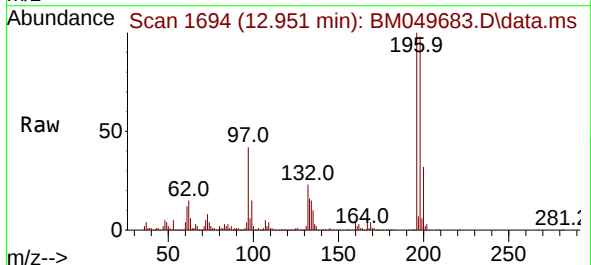
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

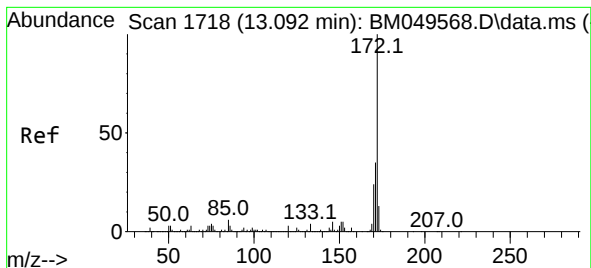
Tgt Ion:196 Resp: 754502
Ion Ratio Lower Upper
196 100
198 96.8 75.4 113.0
200 30.9 25.1 37.7



#44
2,4,5-Trichlorophenol
Concen: 54.049 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.012 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:196 Resp: 812939
Ion Ratio Lower Upper
196 100
198 98.3 78.4 117.6
97 41.7 37.4 56.0
132 22.8 19.5 29.3





#45

2-Fluorobiphenyl

Concen: 74.493 ng

RT: 13.069 min Scan# 1

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

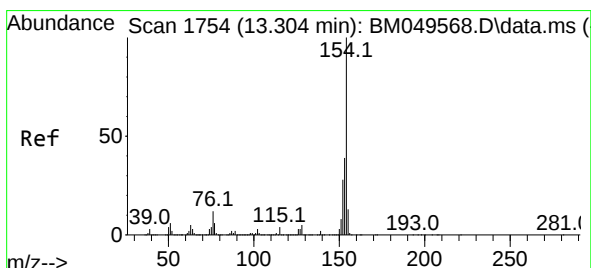
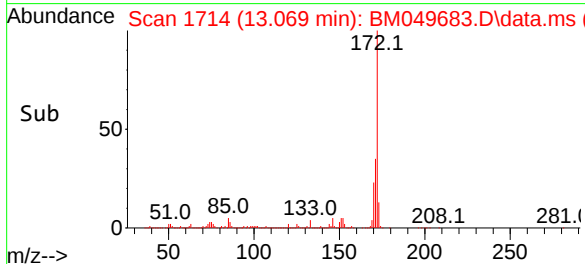
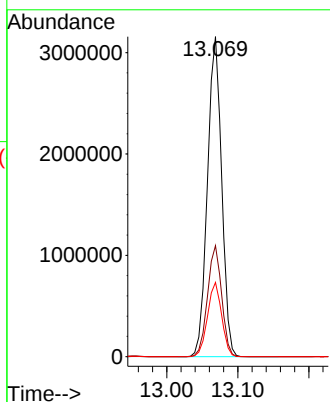
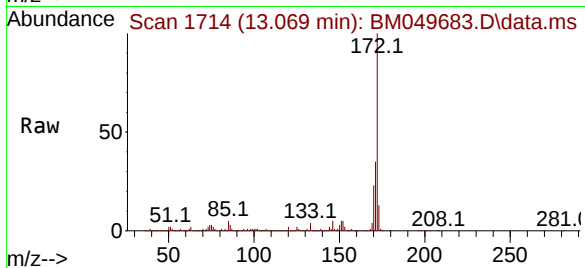
Tgt Ion:172 Resp: 4386643

Ion Ratio Lower Upper

172 100

171 34.7 28.0 42.0

170 23.2 19.0 28.4



#46

1,1'-Biphenyl

Concen: 48.881 ng

RT: 13.280 min Scan# 1750

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

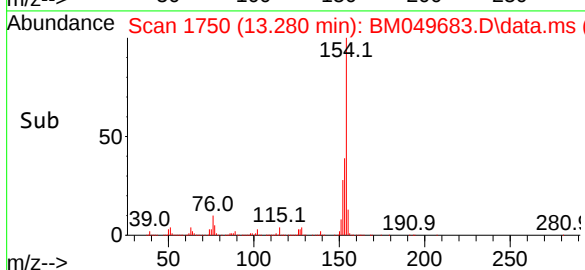
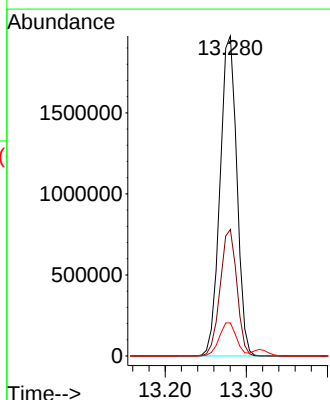
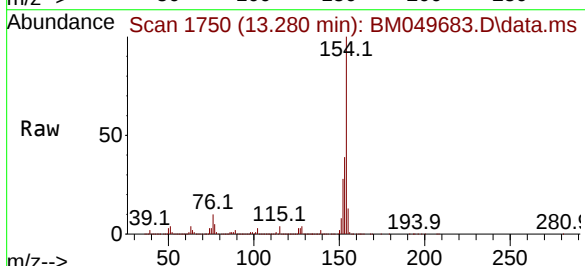
Tgt Ion:154 Resp: 2844593

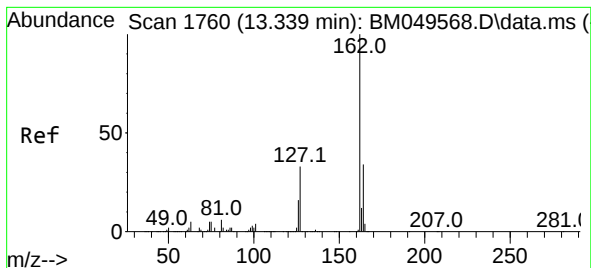
Ion Ratio Lower Upper

154 100

153 39.5 19.5 59.5

76 10.4 0.0 32.1

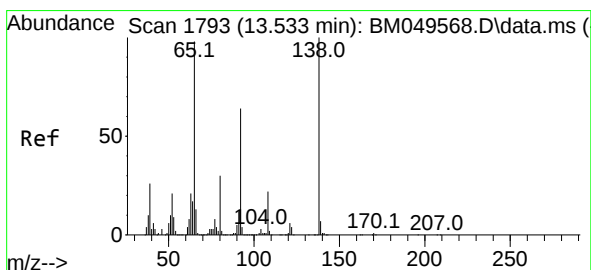
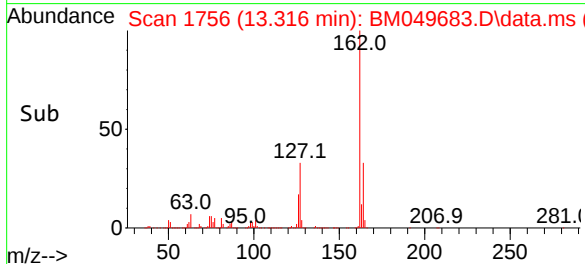
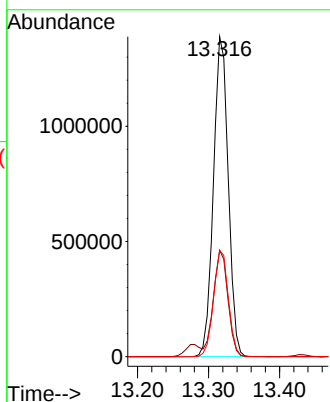
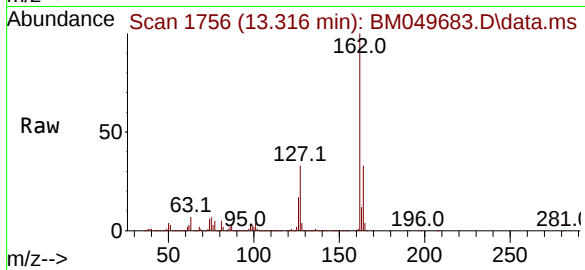




#47
2-Chloronaphthalene
Concen: 44.463 ng
RT: 13.316 min Scan# 1756
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

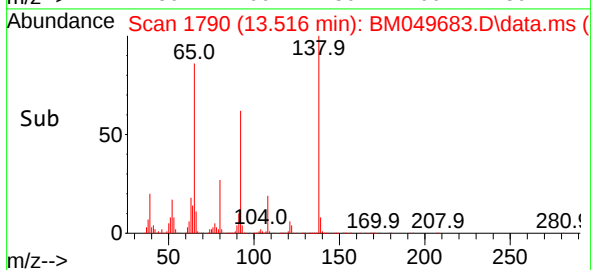
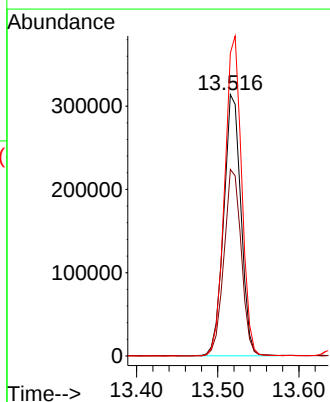
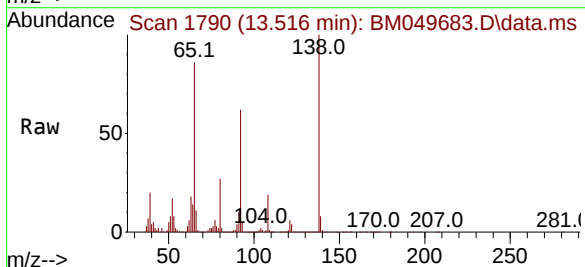
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

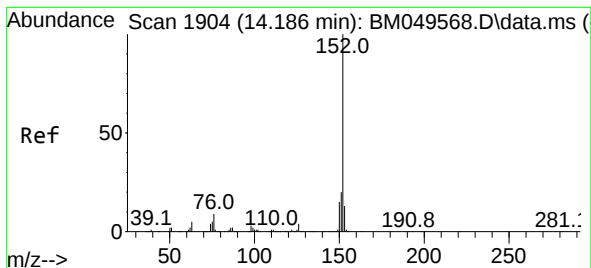
Tgt Ion:162 Resp: 2001974
Ion Ratio Lower Upper
162 100
127 33.3 27.9 41.9
164 33.2 26.8 40.2



#48
2-Nitroaniline
Concen: 39.823 ng
RT: 13.516 min Scan# 1790
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion: 65 Resp: 463622
Ion Ratio Lower Upper
65 100
92 71.4 52.0 78.0
138 115.9 81.6 122.4





#49

Acenaphthylene

Concen: 46.984 ng

RT: 14.163 min Scan# 1900

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

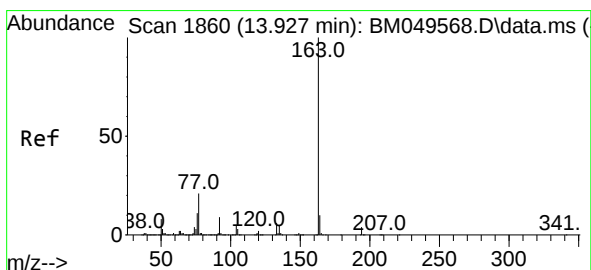
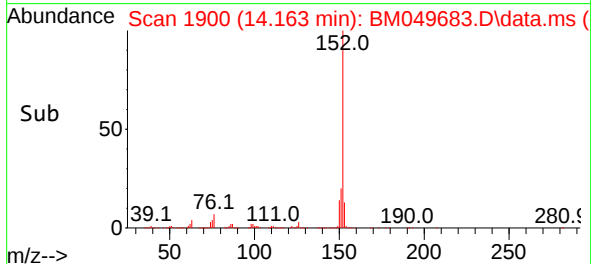
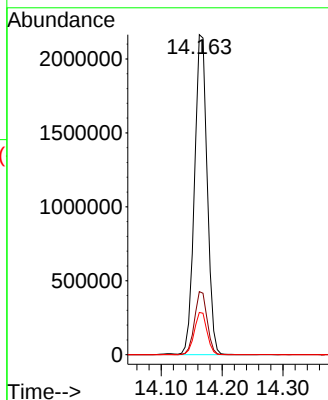
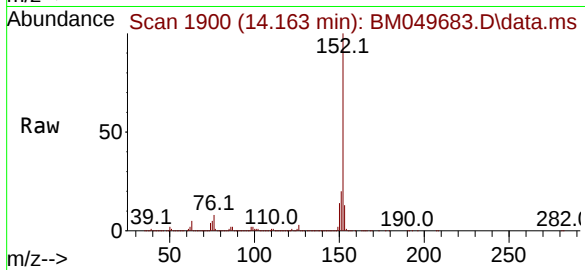
Tgt Ion:152 Resp: 3119412

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 43.034 ng

RT: 13.904 min Scan# 1856

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

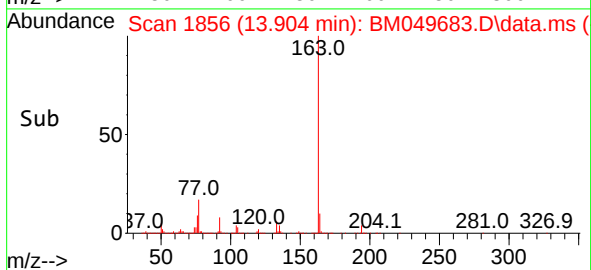
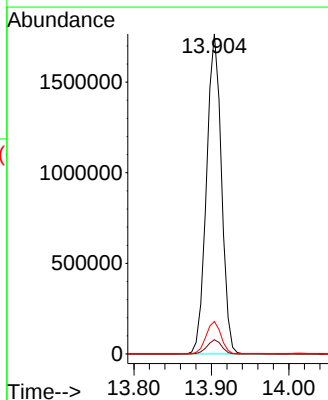
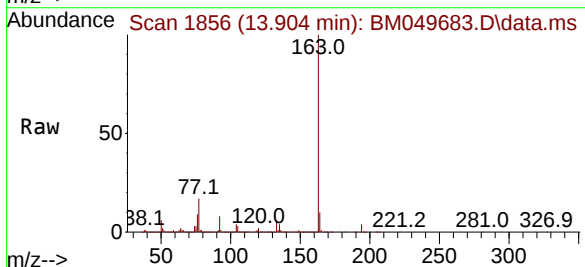
Tgt Ion:163 Resp: 2357564

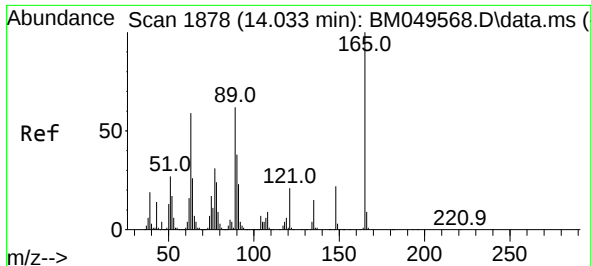
Ion Ratio Lower Upper

163 100

194 4.4 3.3 4.9

164 10.1 8.1 12.1

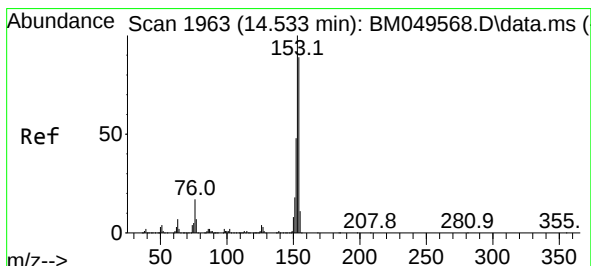
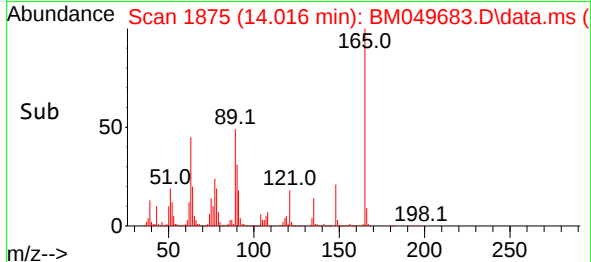
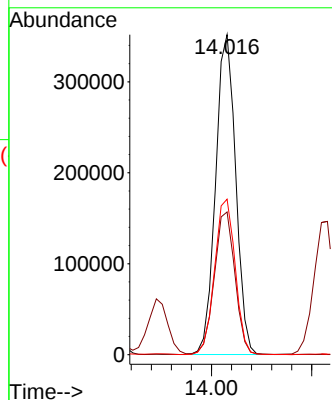
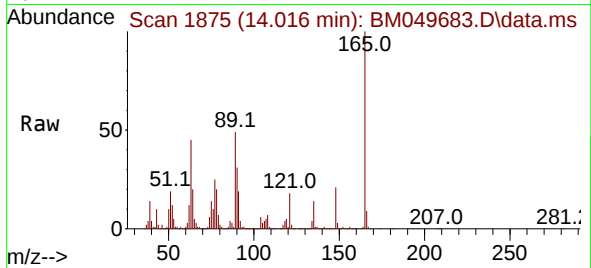




#51
2,6-Dinitrotoluene
Concen: 51.524 ng
RT: 14.016 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

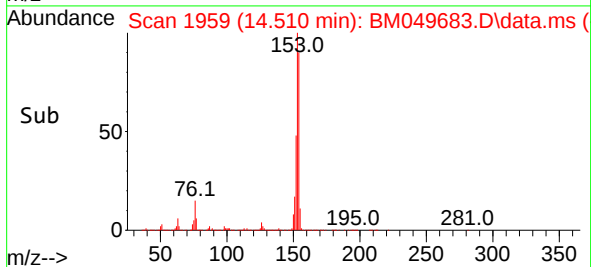
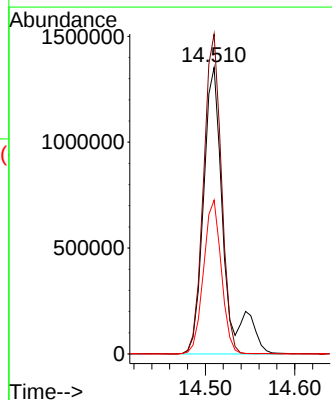
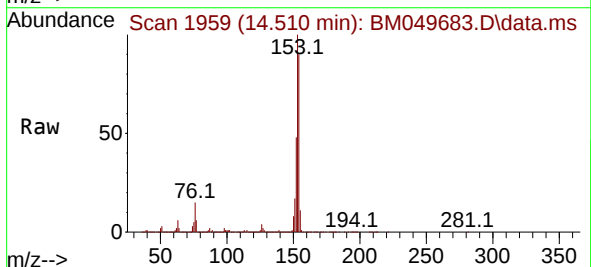
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

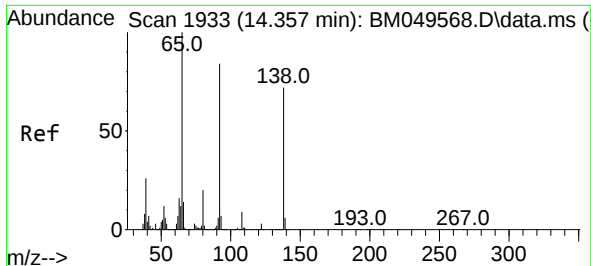
Tgt Ion:165 Resp: 488431
Ion Ratio Lower Upper
165 100
63 44.6 47.8 71.6#
89 48.6 49.2 73.8#



#52
Acenaphthene
Concen: 48.595 ng m
RT: 14.510 min Scan# 1959
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:154 Resp: 2141511
Ion Ratio Lower Upper
154 100
153 111.7 90.0 135.0
152 53.7 43.0 64.4

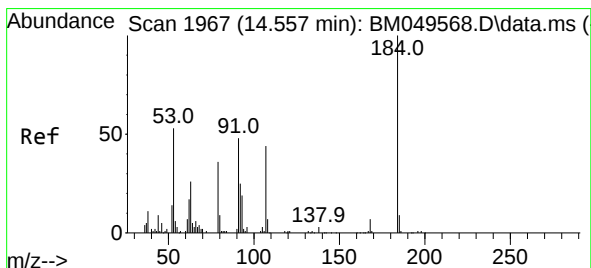
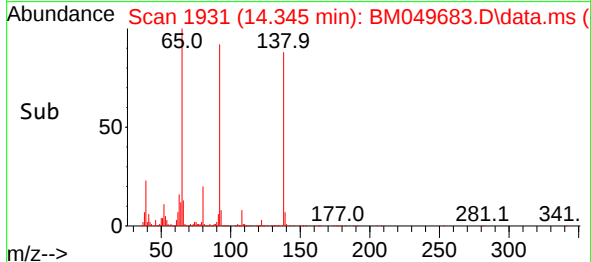
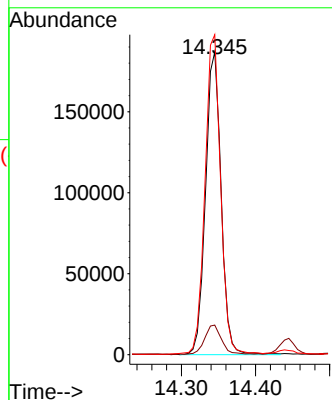
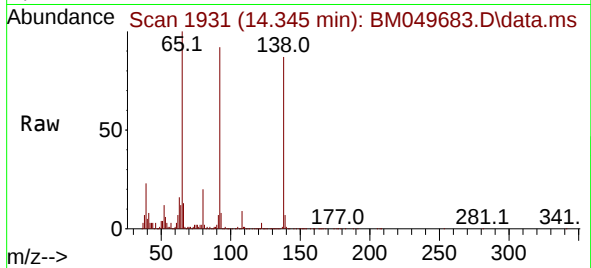




#53
3-Nitroaniline
Concen: 28.294 ng
RT: 14.345 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

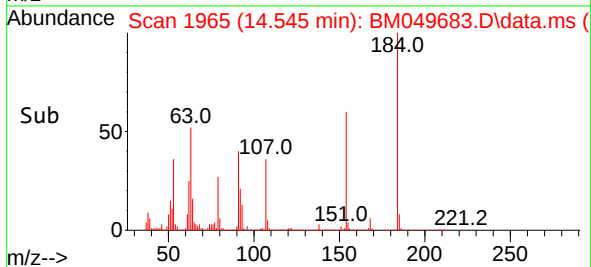
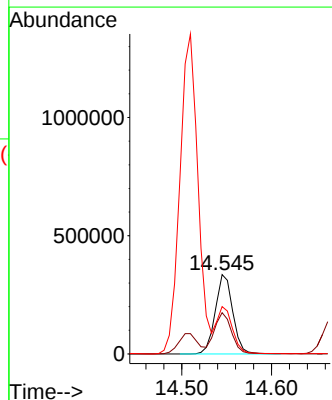
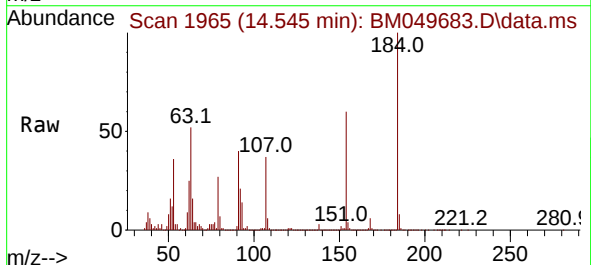
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

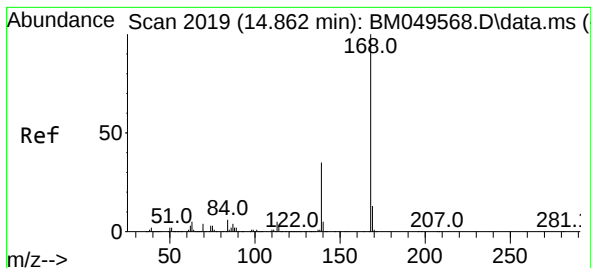
Tgt Ion:138 Resp: 273083
Ion Ratio Lower Upper
138 100
108 9.8 10.3 15.5#
92 105.7 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 106.920 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:184 Resp: 454515
Ion Ratio Lower Upper
184 100
63 52.1 60.2 90.4#
154 59.8 78.2 117.4#





#55

Dibenzenofuran

Concen: 42.910 ng

RT: 14.845 min Scan# 20

Delta R.T. -0.018 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

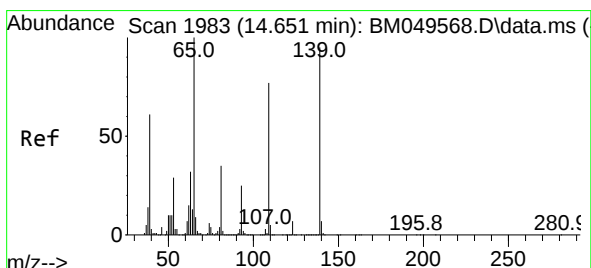
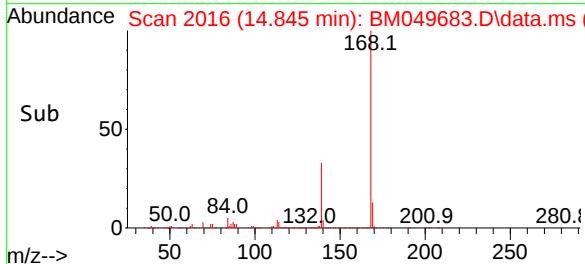
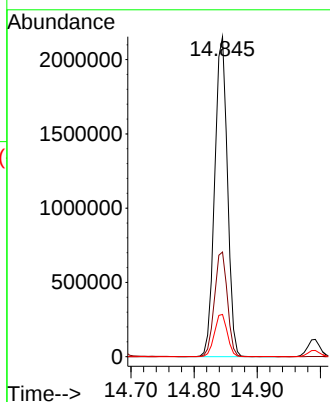
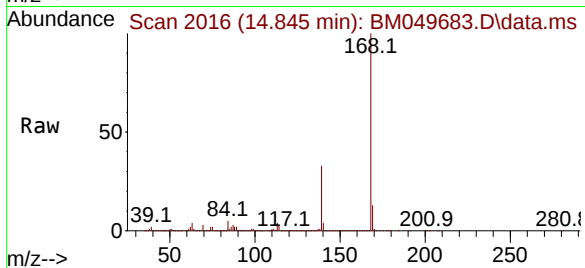
Tgt Ion:168 Resp: 3010988

Ion Ratio Lower Upper

168 100

139 32.7 28.4 42.6

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 118.109 ng

RT: 14.668 min Scan# 1986

Delta R.T. 0.018 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

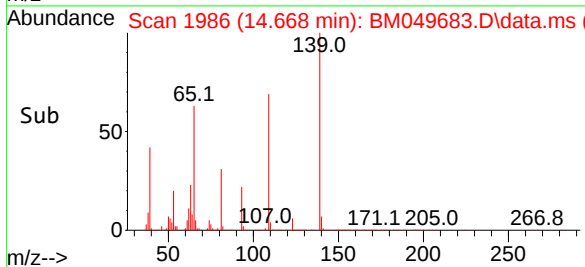
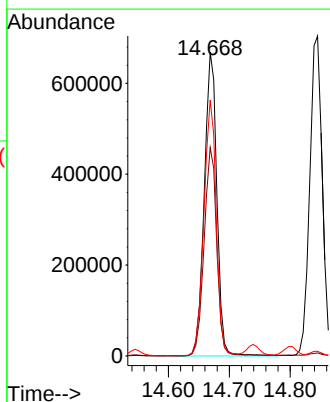
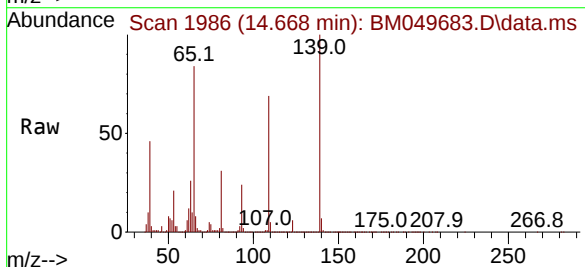
Tgt Ion:139 Resp: 960944

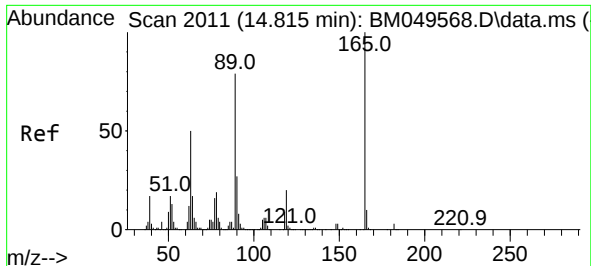
Ion Ratio Lower Upper

139 100

109 68.6 61.4 101.4

65 84.1 85.6 125.6#

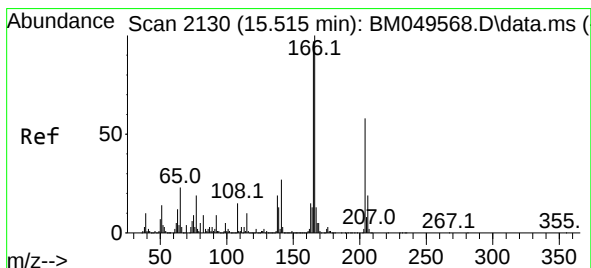
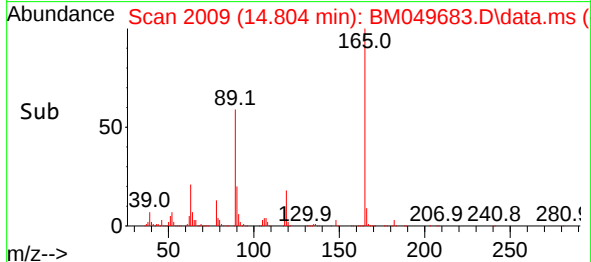
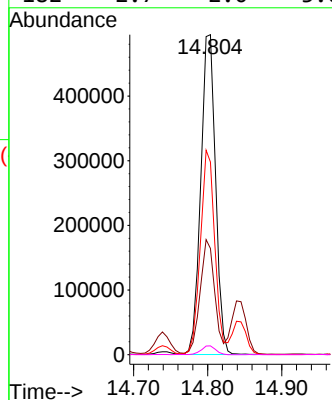
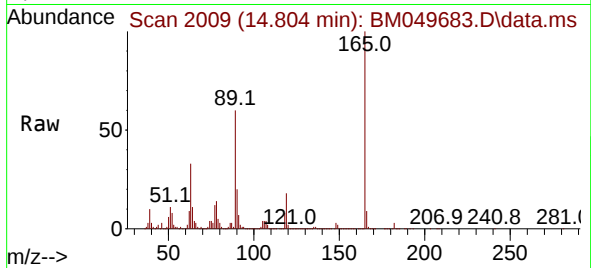




#57
2,4-Dinitrotoluene
Concen: 51.085 ng
RT: 14.804 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

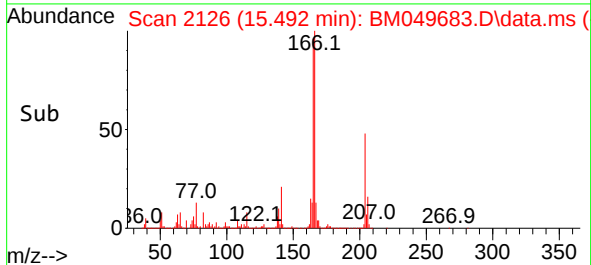
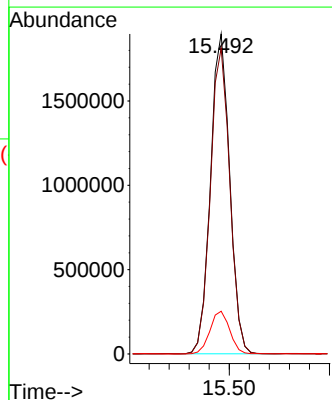
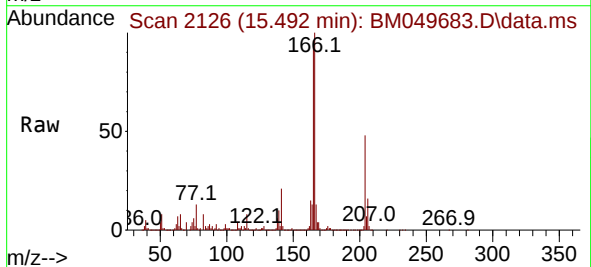
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

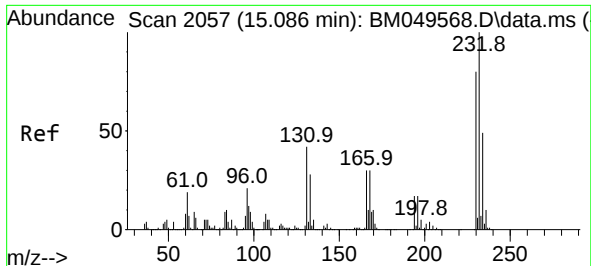
Tgt Ion:165 Resp: 688345
Ion Ratio Lower Upper
165 100
63 33.2 39.8 59.6#
89 60.2 63.5 95.3#
182 2.7 2.0 3.0



#58
Fluorene
Concen: 42.074 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:166 Resp: 2525629
Ion Ratio Lower Upper
166 100
165 95.5 77.7 116.5
167 13.3 10.7 16.1

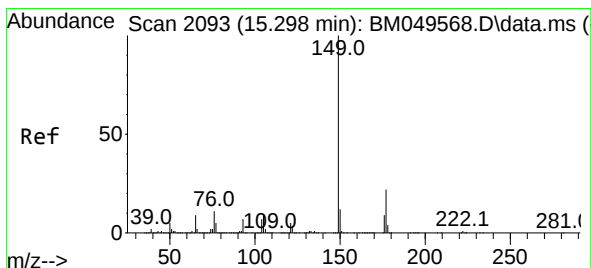
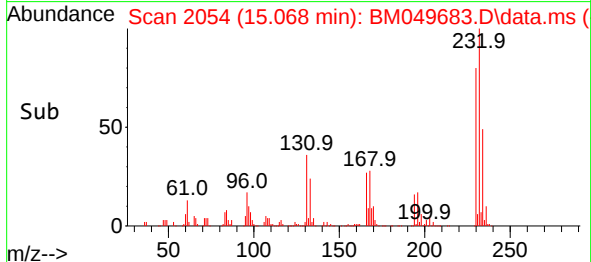
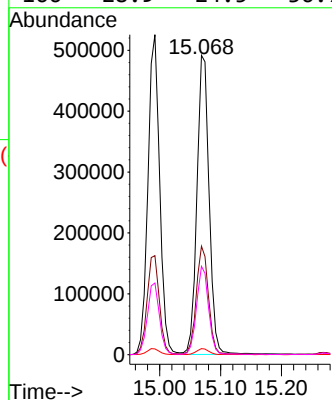
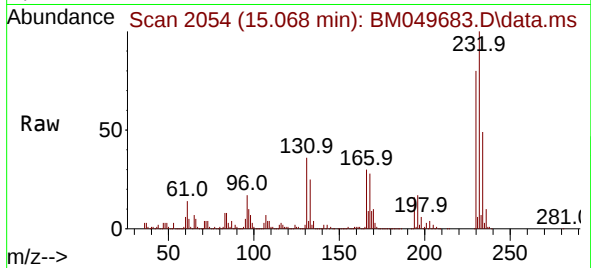




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.832 ng
RT: 15.068 min Scan# 2054
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

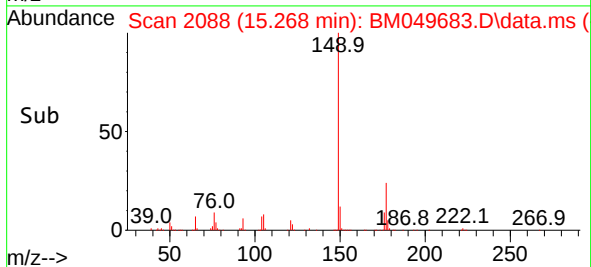
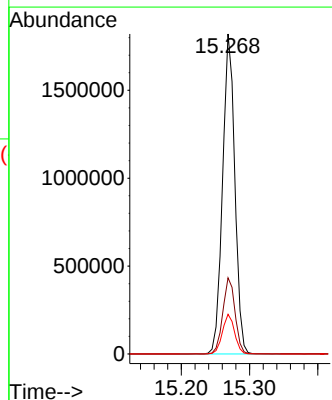
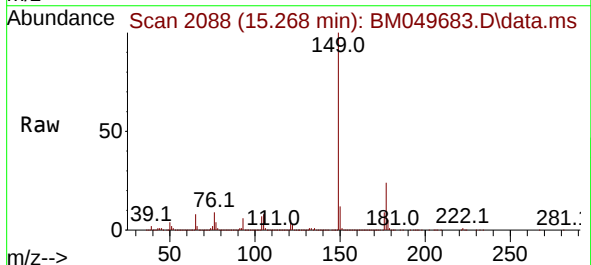
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

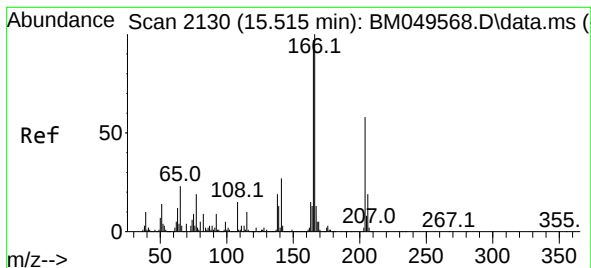
Tgt Ion:232 Resp: 684061
Ion Ratio Lower Upper
232 100
131 36.0 34.5 51.7
130 2.1 1.9 2.9
166 28.9 24.5 36.7



#60
Diethylphthalate
Concen: 41.292 ng
RT: 15.268 min Scan# 2088
Delta R.T. -0.029 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:149 Resp: 2273425
Ion Ratio Lower Upper
149 100
177 23.8 18.0 27.0
150 12.4 9.7 14.5

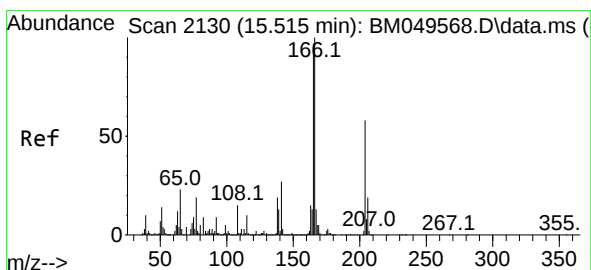
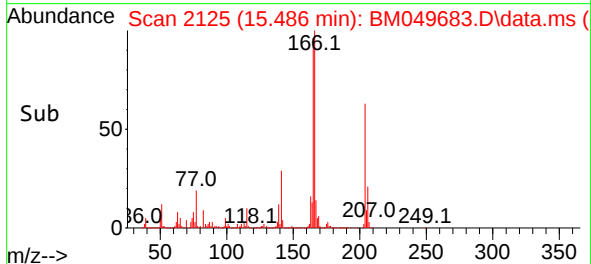
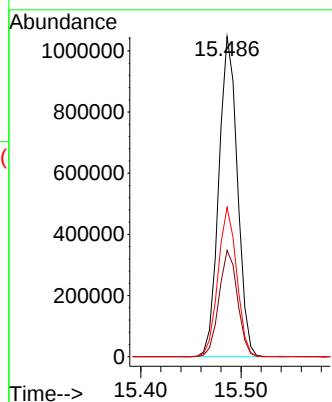
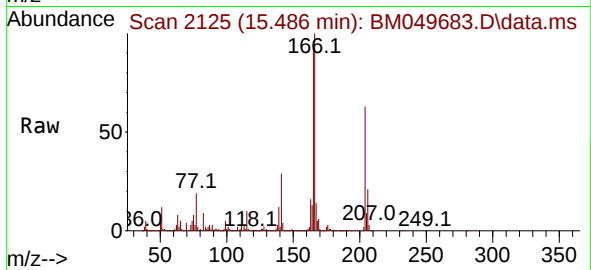




#61
4-Chlorophenyl-phenylether
Concen: 42.147 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.029 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

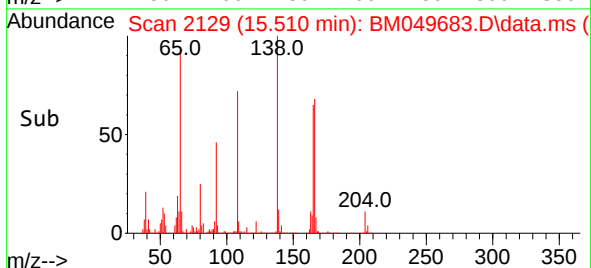
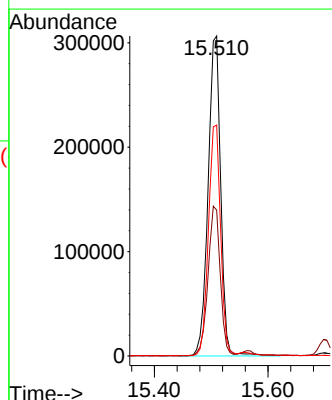
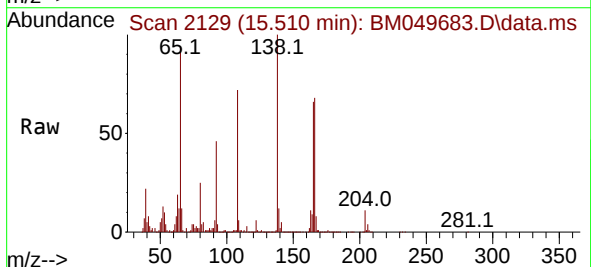
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

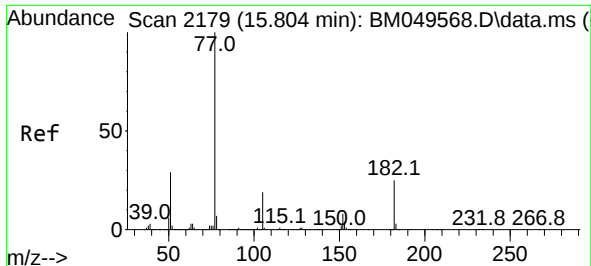
Tgt Ion:204 Resp: 1346603
Ion Ratio Lower Upper
204 100
206 33.2 26.0 39.0
141 46.6 37.1 55.7



#62
4-Nitroaniline
Concen: 38.565 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:138 Resp: 470337
Ion Ratio Lower Upper
138 100
92 45.6 29.3 69.3
108 72.2 60.1 100.1



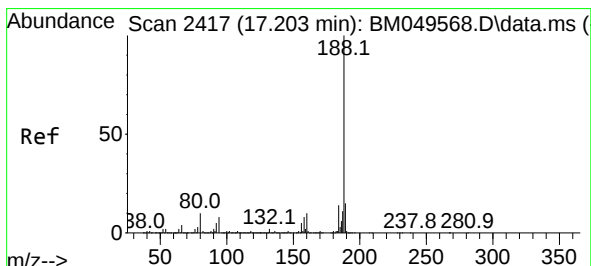
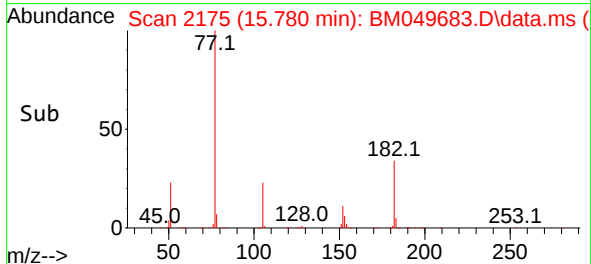
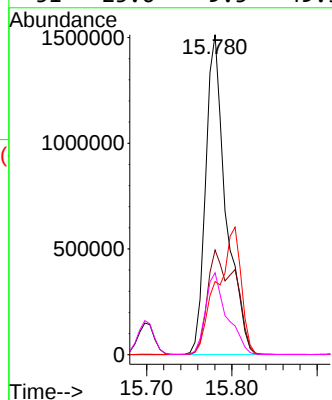
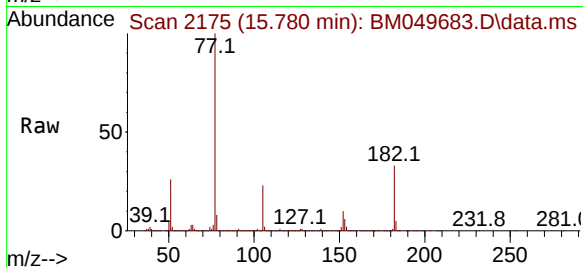


#63
Azobenzene
Concen: 43.335 ng
RT: 15.780 min Scan# 2179
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

Tgt Ion: 77 Resp: 2490363

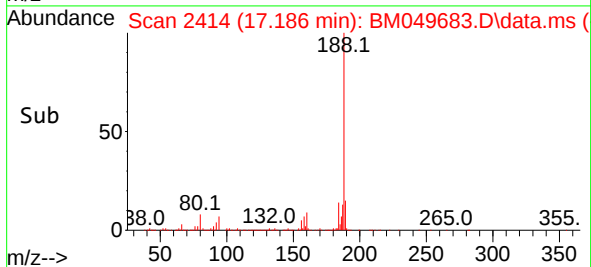
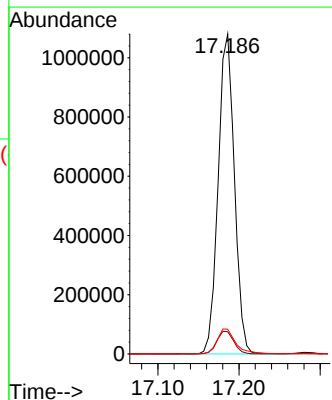
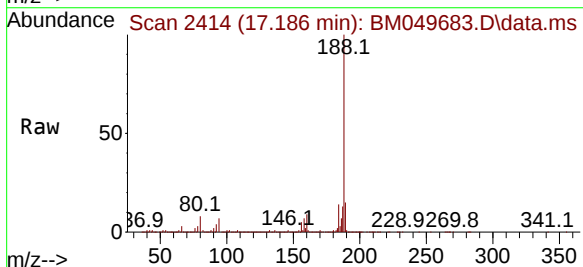
Ion	Ratio	Lower	Upper
77	100		
182	32.7	4.7	44.7
105	22.8	0.0	39.3
51	25.6	9.5	49.5

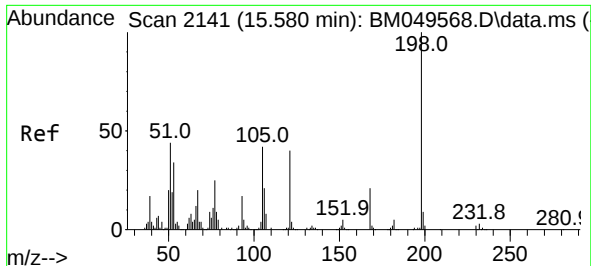


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion: 188 Resp: 1502819

Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.7	10.1
80	7.8	7.7	11.5

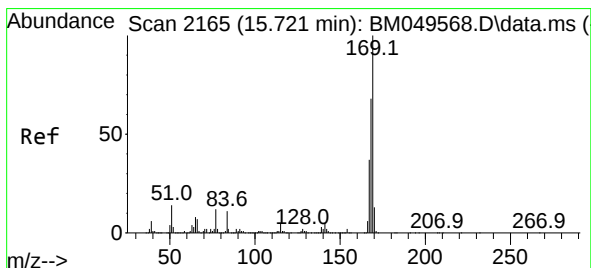
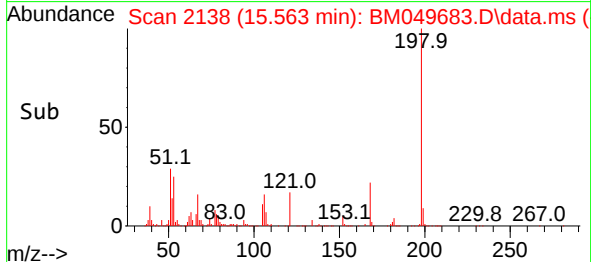
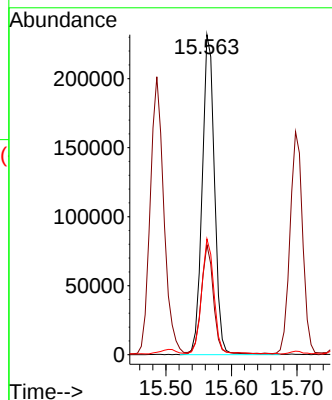
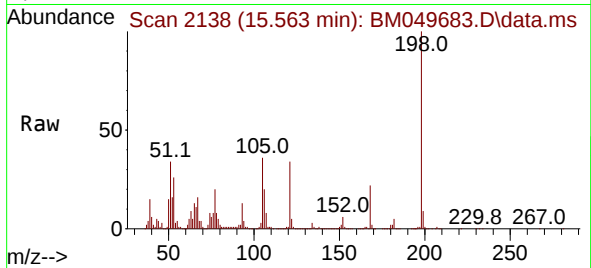




#65
4,6-Dinitro-2-methylphenol
Concen: 61.318 ng
RT: 15.563 min Scan# 2141
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

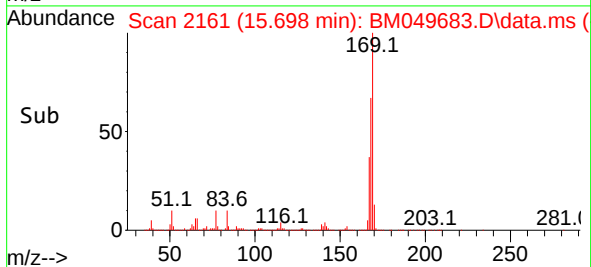
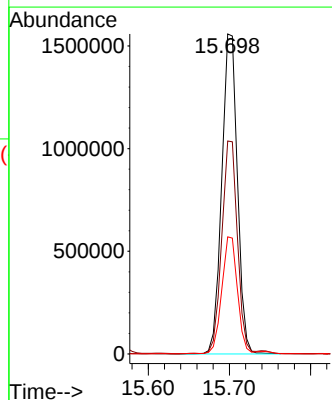
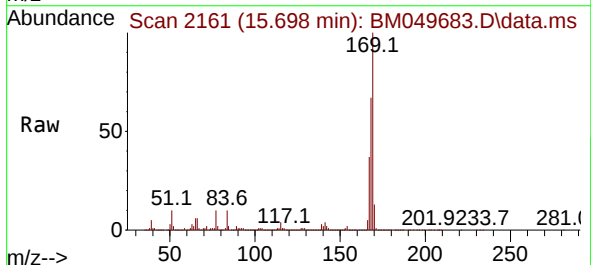
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

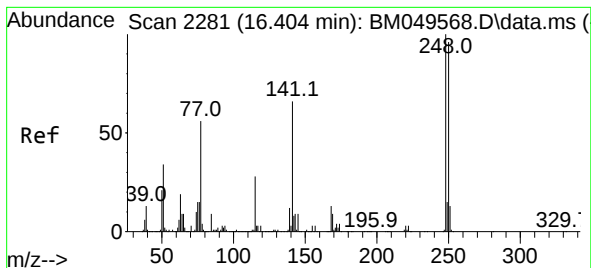
Tgt Ion:198 Resp: 303979
Ion Ratio Lower Upper
198 100
51 34.4 26.9 66.9
105 36.2 22.8 62.8



#66
n-Nitrosodiphenylamine
Concen: 44.164 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:169 Resp: 2093131
Ion Ratio Lower Upper
169 100
168 66.6 54.2 81.4
167 36.6 29.5 44.3

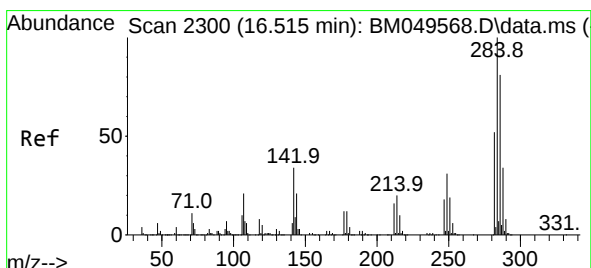
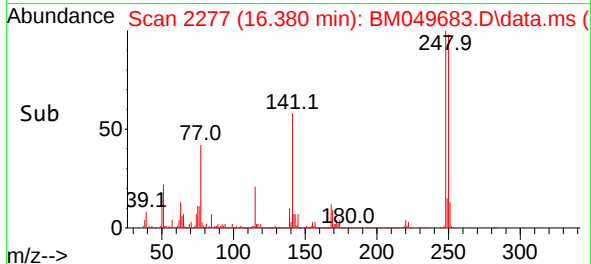
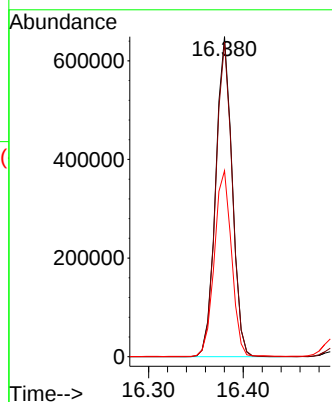
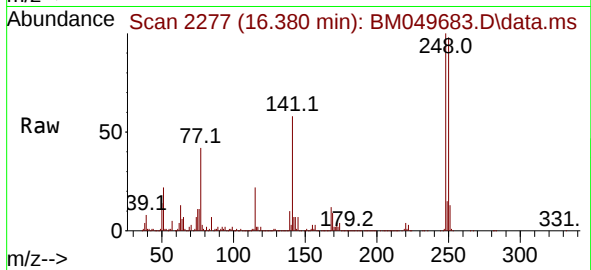




#67
4-Bromophenyl-phenylether
Concen: 44.985 ng
RT: 16.380 min Scan# 21
Delta R.T. -0.023 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

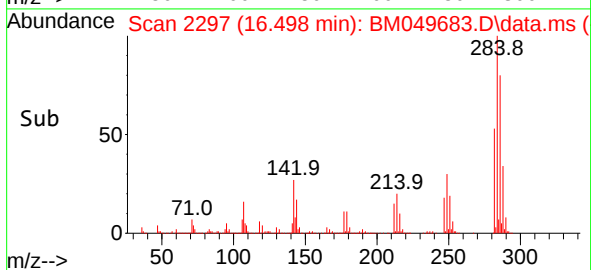
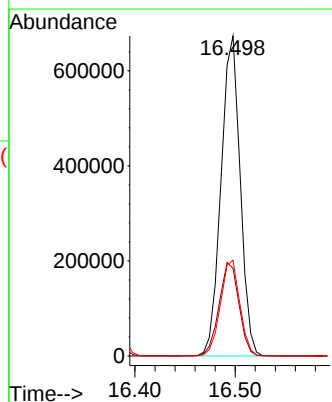
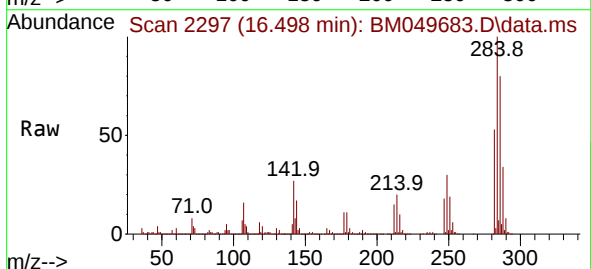
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

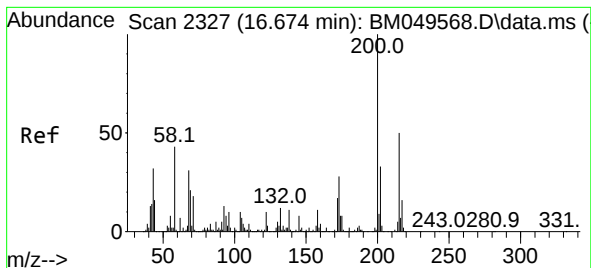
Tgt Ion:248 Resp: 785385
Ion Ratio Lower Upper
248 100
250 98.2 77.0 115.4
141 58.1 53.0 79.4



#68
Hexachlorobenzene
Concen: 44.436 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:284 Resp: 890427
Ion Ratio Lower Upper
284 100
142 27.4 27.1 40.7
249 29.9 24.6 36.8





#69

Atrazine

Concen: 59.823 ng

RT: 16.657 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

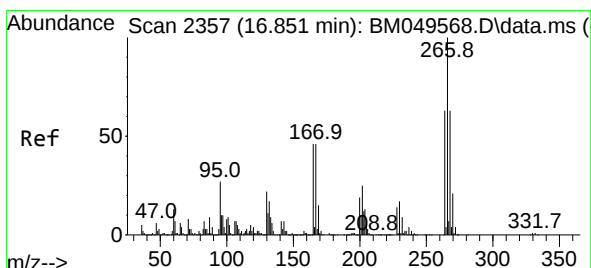
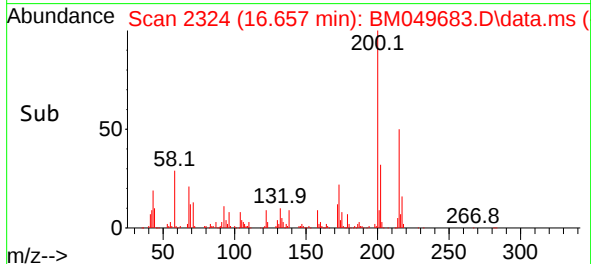
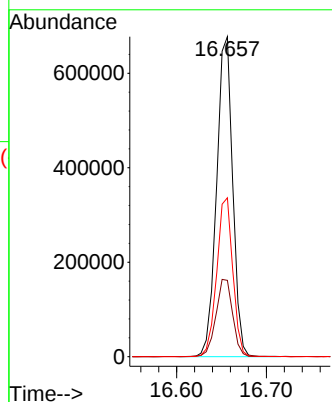
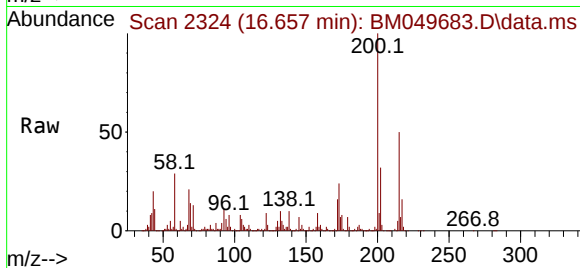
Tgt Ion:200 Resp: 842821

Ion Ratio Lower Upper

200 100

173 23.8 7.6 47.6

215 49.6 30.2 70.2



#70

Pentachlorophenol

Concen: 95.339 ng

RT: 16.839 min Scan# 2355

Delta R.T. -0.012 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

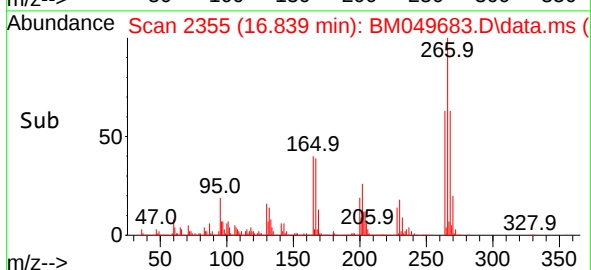
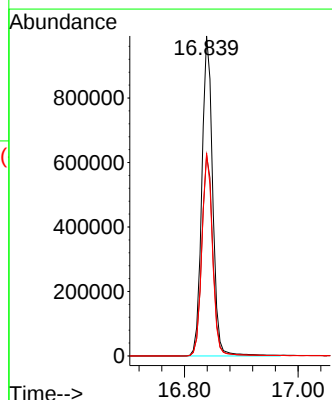
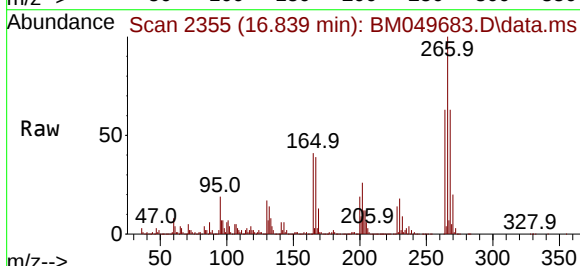
Tgt Ion:266 Resp: 1311573

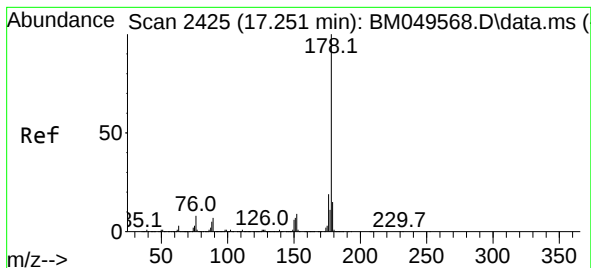
Ion Ratio Lower Upper

266 100

268 62.7 50.8 76.2

264 63.4 50.0 75.0





#71

Phenanthrene

Concen: 52.039 ng

RT: 17.227 min Scan# 2421

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

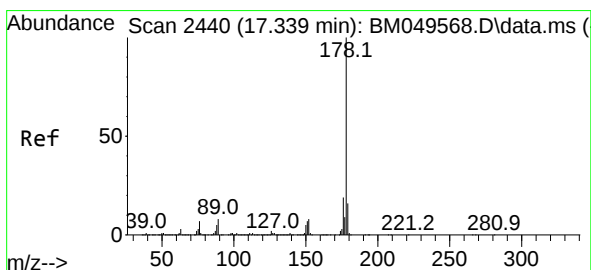
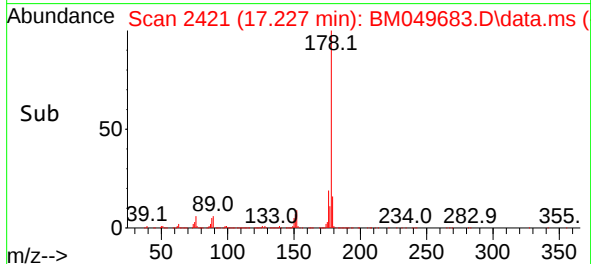
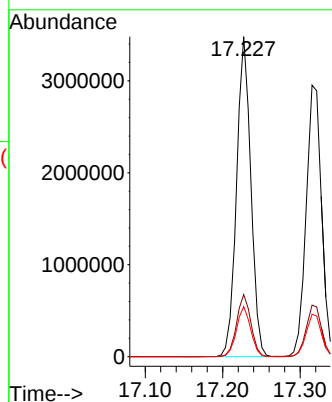
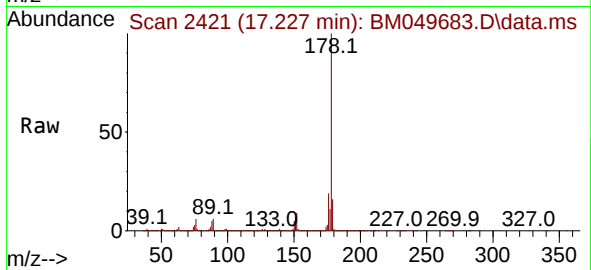
Tgt Ion:178 Resp: 4455337

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.7 12.2 18.2



#72

Anthracene

Concen: 48.135 ng

RT: 17.315 min Scan# 2436

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

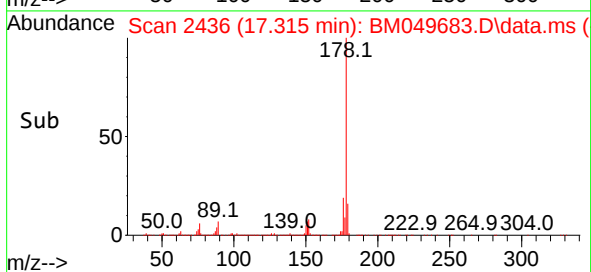
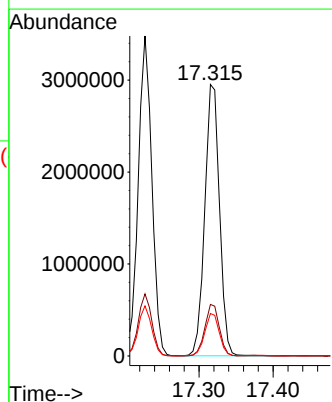
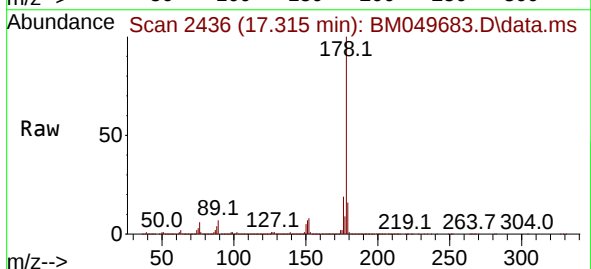
Tgt Ion:178 Resp: 4080532

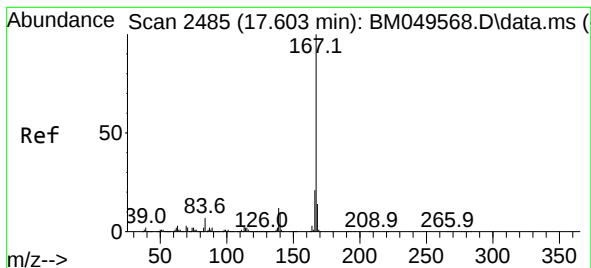
Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 15.6 12.4 18.6





#73

Carbazole

Concen: 47.292 ng

RT: 17.586 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

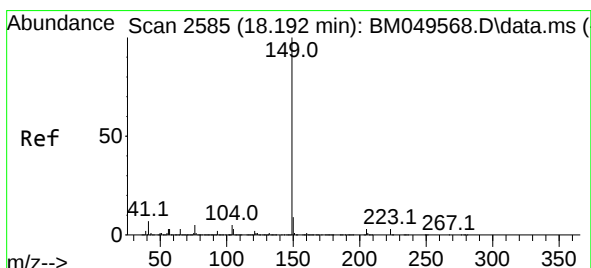
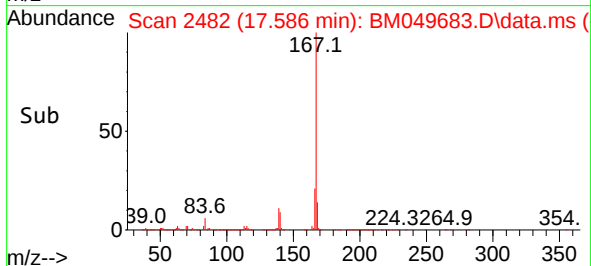
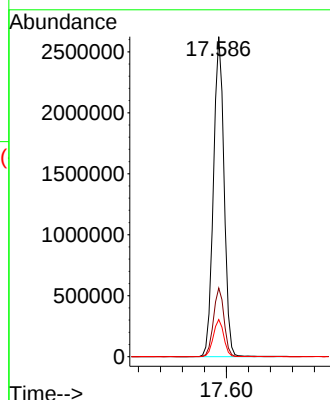
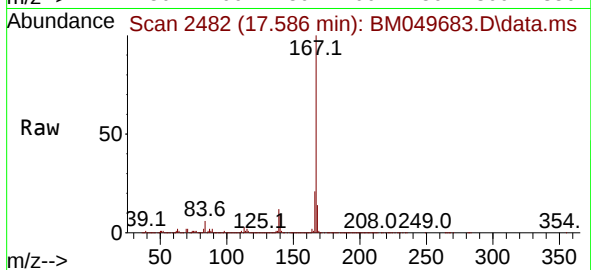
Tgt Ion:167 Resp: 3518716

Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 11.6 9.6 14.4



#74

Di-n-butylphthalate

Concen: 43.423 ng

RT: 18.156 min Scan# 2579

Delta R.T. -0.035 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

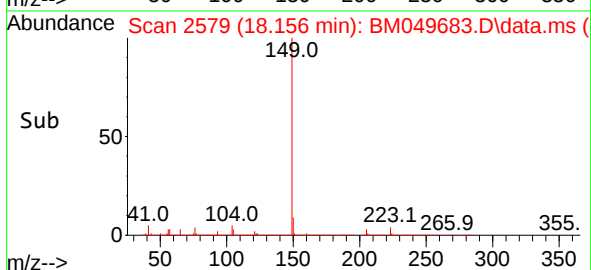
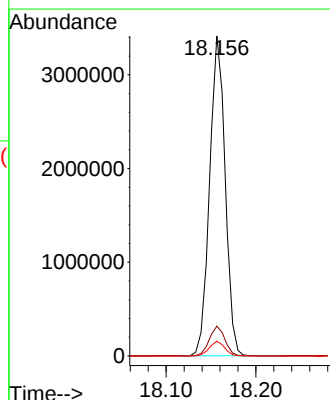
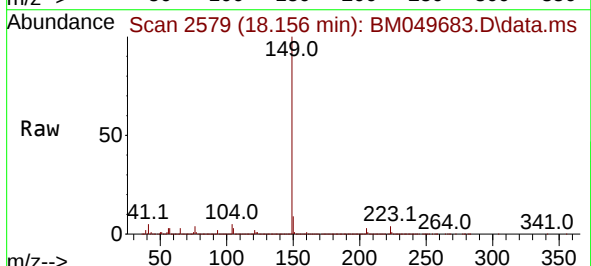
Tgt Ion:149 Resp: 4099601

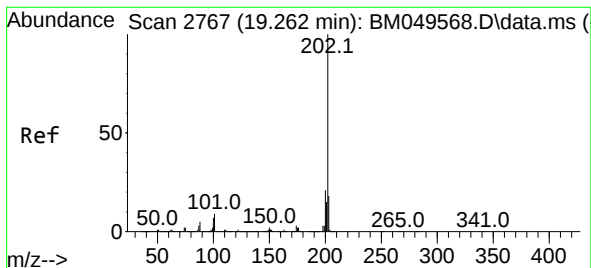
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 4.6 4.1 6.1





#75

Fluoranthene

Concen: 62.805 ng

RT: 19.245 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

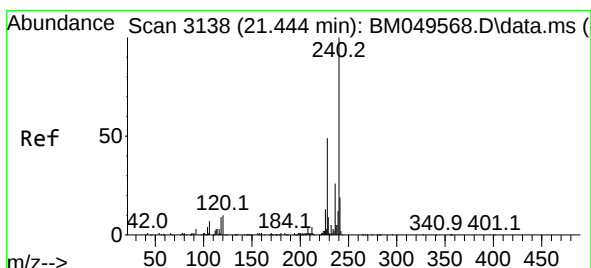
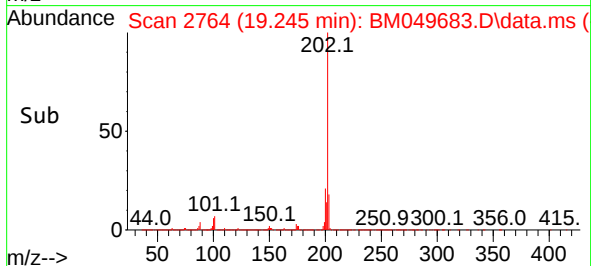
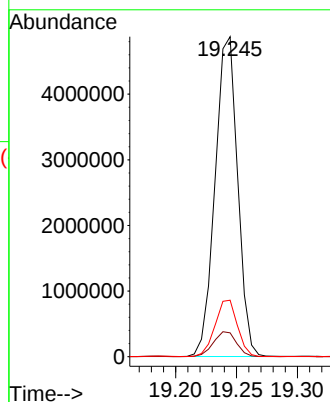
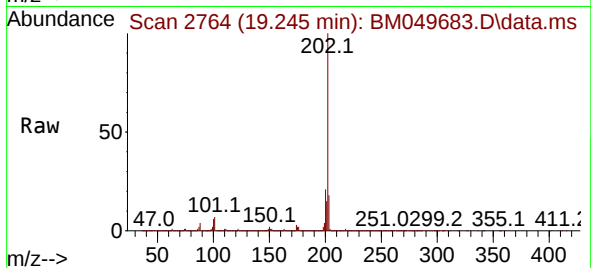
Tgt Ion:202 Resp: 6295201

Ion Ratio Lower Upper

202 100

101 7.4 0.0 29.1

203 17.6 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: BM049683.D

Acq: 28 Feb 2025 17:55

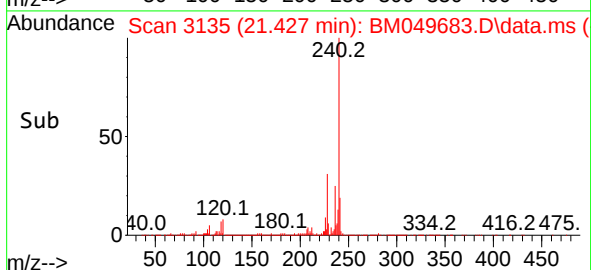
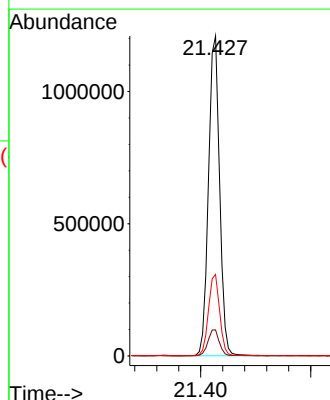
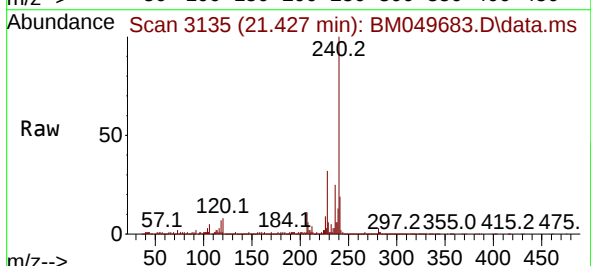
Tgt Ion:240 Resp: 1693591

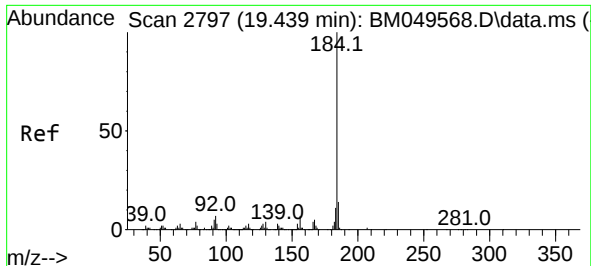
Ion Ratio Lower Upper

240 100

120 8.2 7.8 11.8

236 25.5 20.6 31.0

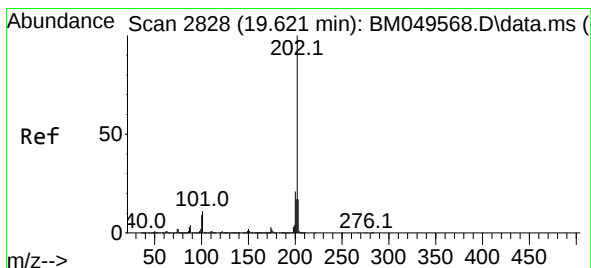
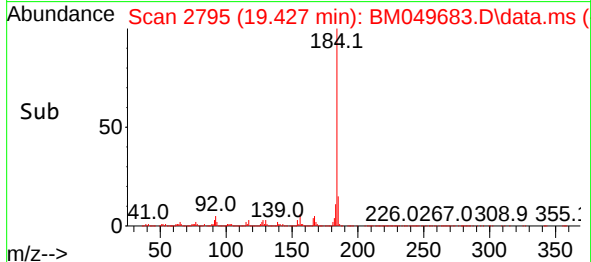
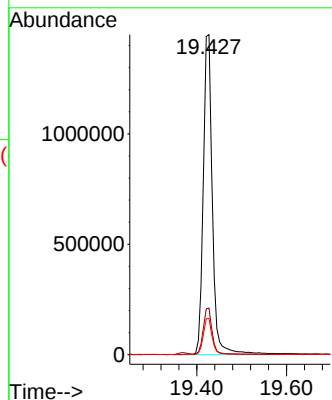
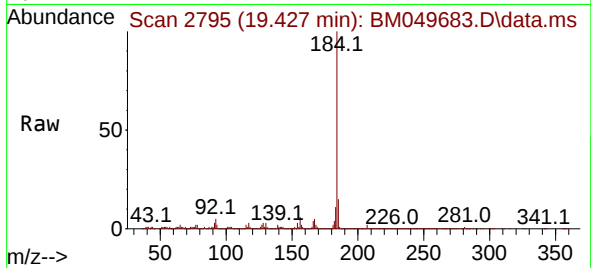




#77
Benzidine
Concen: 136.423 ng
RT: 19.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

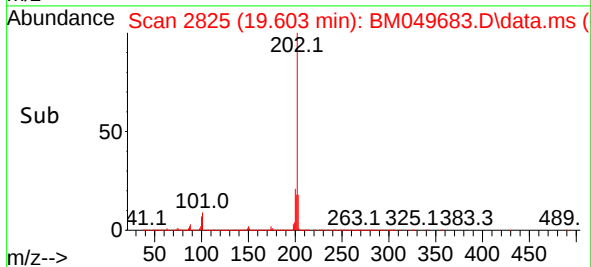
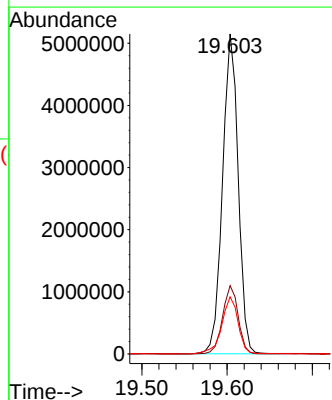
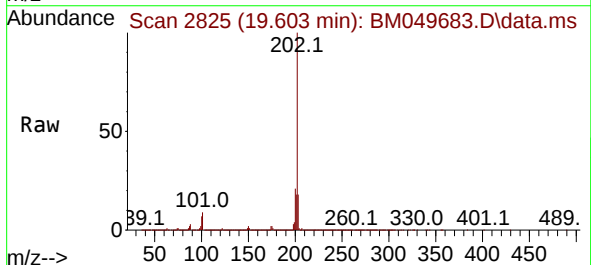
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

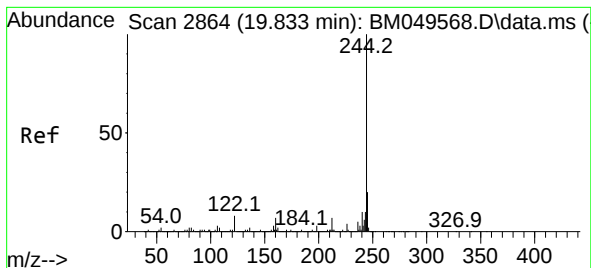
Tgt Ion:184 Resp: 2046039
Ion Ratio Lower Upper
184 100
185 14.6 11.6 17.4
183 11.3 8.9 13.3



#78
Pyrene
Concen: 51.788 ng
RT: 19.603 min Scan# 2825
Delta R.T. -0.018 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:202 Resp: 6567296
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.9 13.8 20.8





#79

Terphenyl-d14

Concen: 59.502 ng

RT: 19.809 min Scan# 21

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

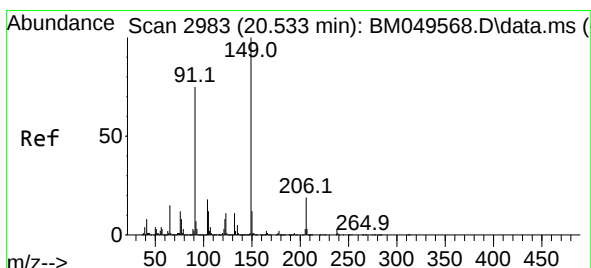
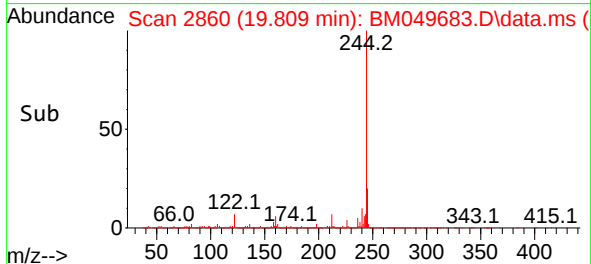
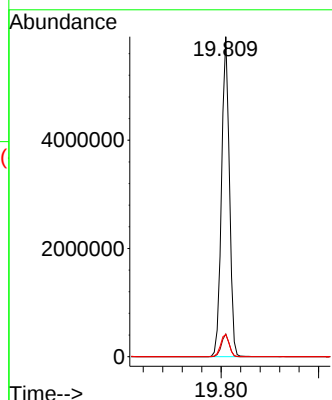
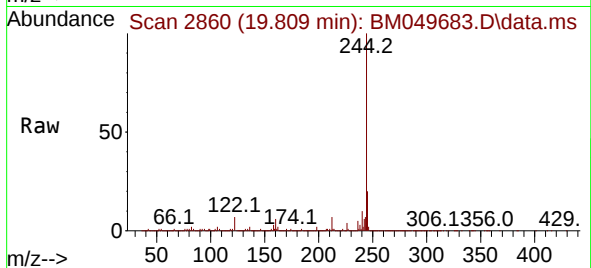
Tgt Ion:244 Resp: 6599150

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 6.9 6.2 9.2



#80

Butylbenzylphthalate

Concen: 47.399 ng

RT: 20.509 min Scan# 2979

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

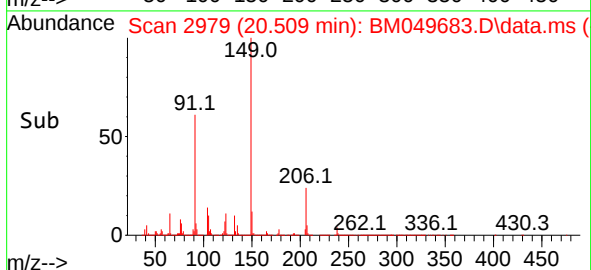
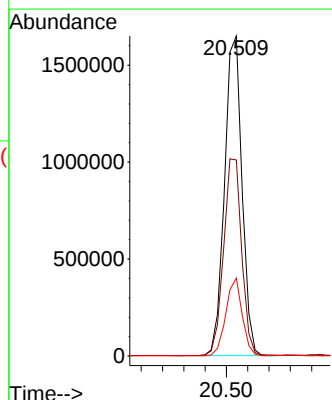
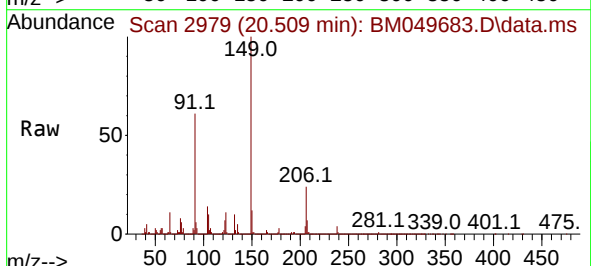
Tgt Ion:149 Resp: 1870347

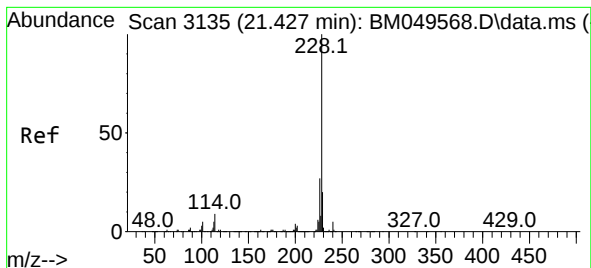
Ion Ratio Lower Upper

149 100

91 61.2 60.2 90.2

206 24.4 15.4 23.0#





#81

Benzo(a)anthracene

Concen: 51.214 ng

RT: 21.409 min Scan# 3118

Delta R.T. -0.018 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

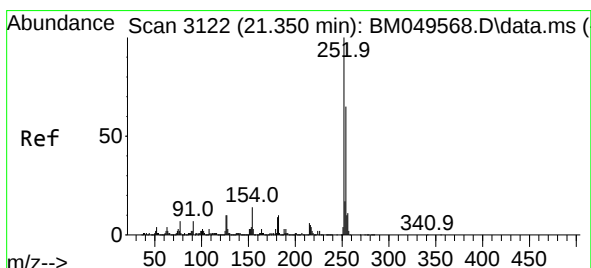
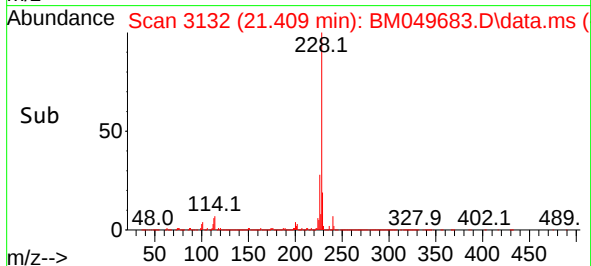
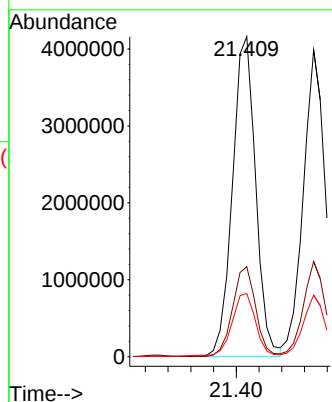
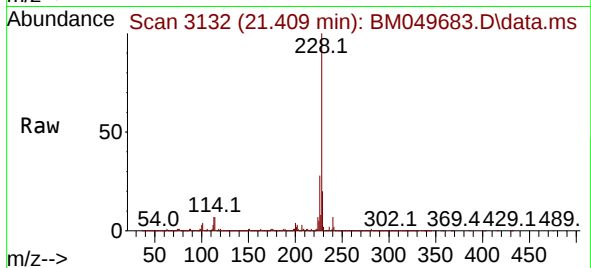
Tgt Ion:228 Resp: 5878271

Ion Ratio Lower Upper

228 100

226 28.2 22.0 33.0

229 19.8 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 48.540 ng

RT: 21.327 min Scan# 3118

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

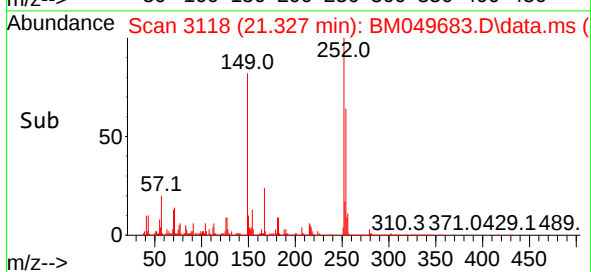
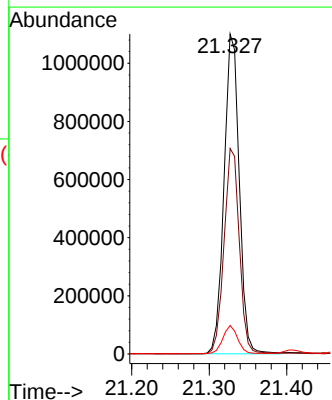
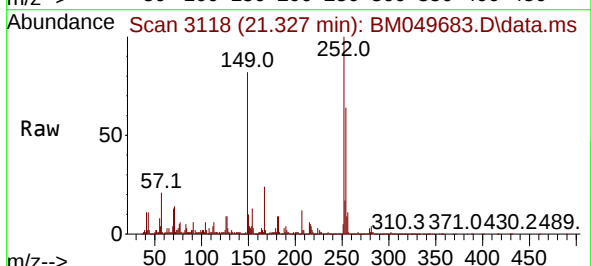
Tgt Ion:252 Resp: 1499205

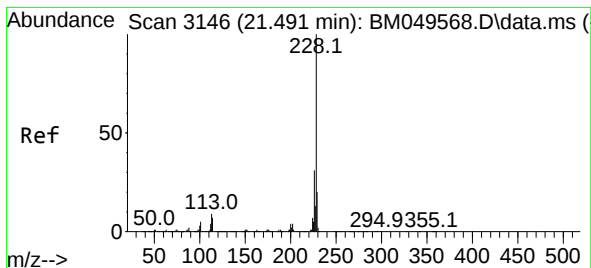
Ion Ratio Lower Upper

252 100

254 64.2 52.1 78.1

126 8.9 7.8 11.6





#83

Chrysene

Concen: 49.613 ng

RT: 21.468 min Scan# 3146

Delta R.T. -0.023 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

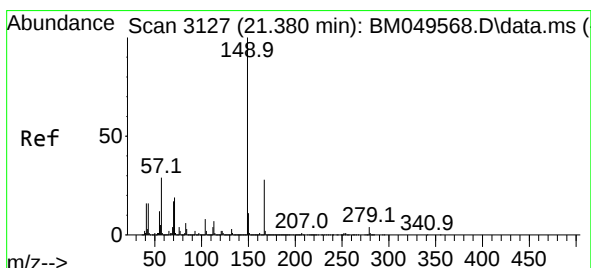
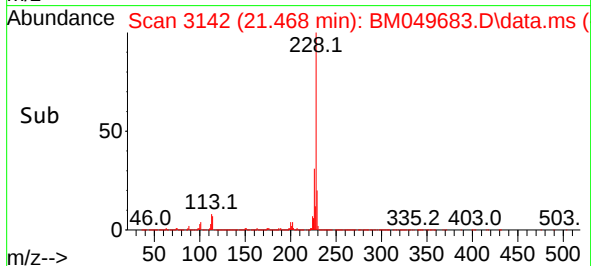
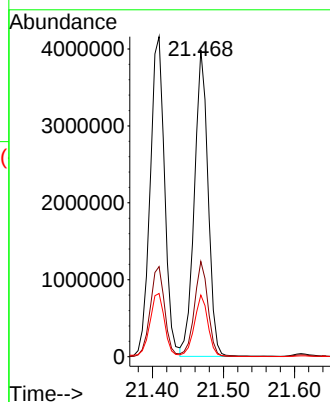
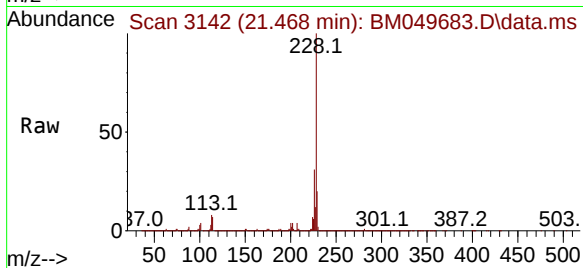
Tgt Ion:228 Resp: 5335147

Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

229 20.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.760 ng

RT: 21.339 min Scan# 3120

Delta R.T. -0.041 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

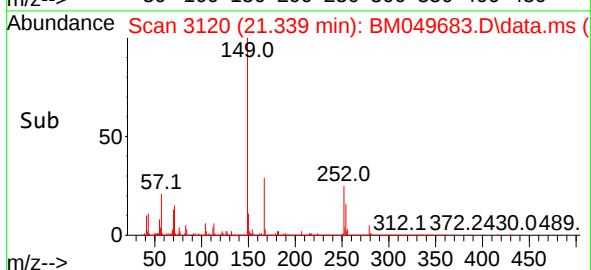
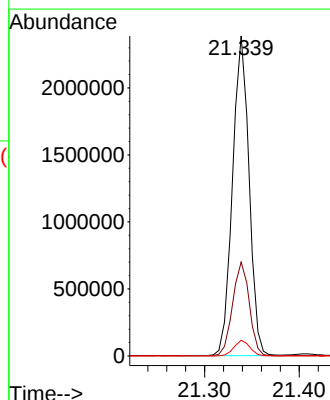
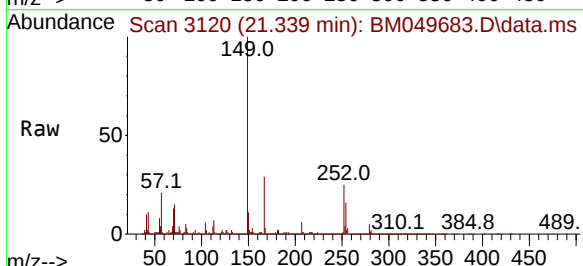
Tgt Ion:149 Resp: 2892487

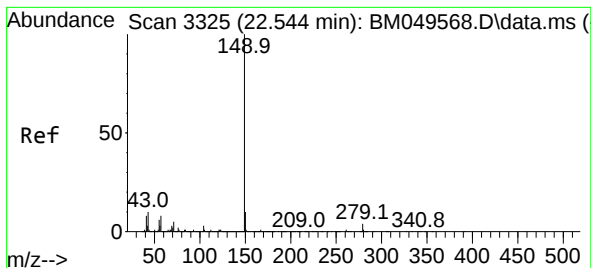
Ion Ratio Lower Upper

149 100

167 29.4 22.1 33.1

279 4.9 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 46.131 ng

RT: 22.480 min Scan# 31

Delta R.T. -0.065 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

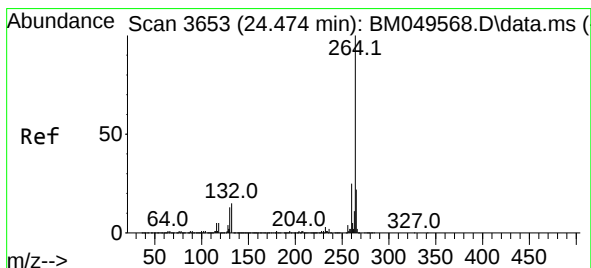
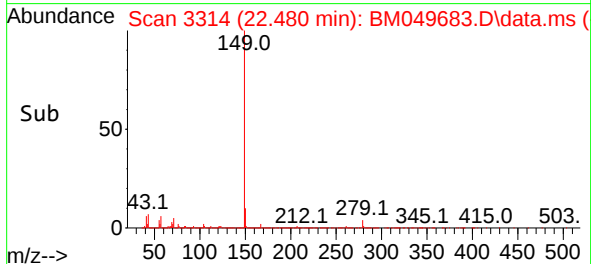
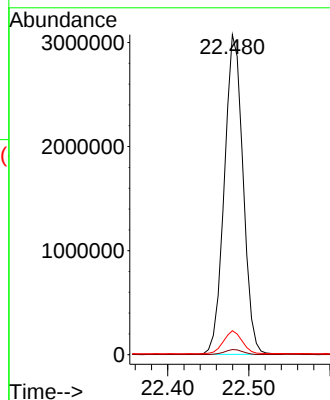
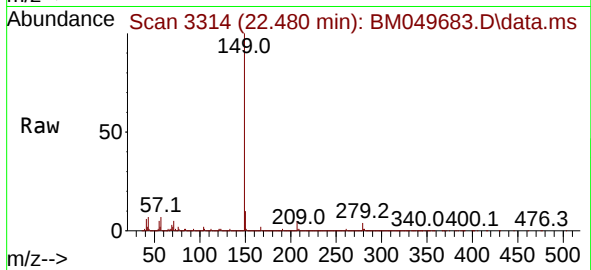
Tgt Ion:149 Resp: 4923044

Ion Ratio Lower Upper

149 100

167 1.6 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: BM049683.D

Acq: 28 Feb 2025 17:55

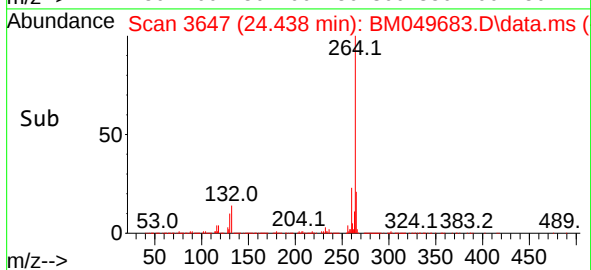
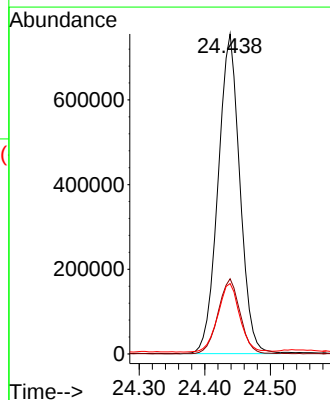
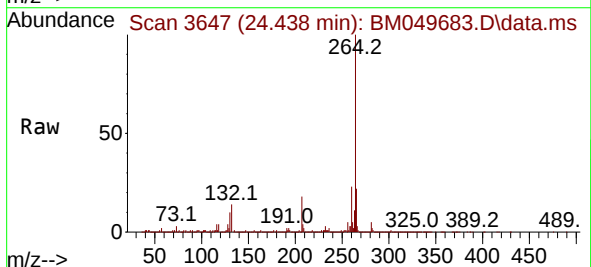
Tgt Ion:264 Resp: 1738682

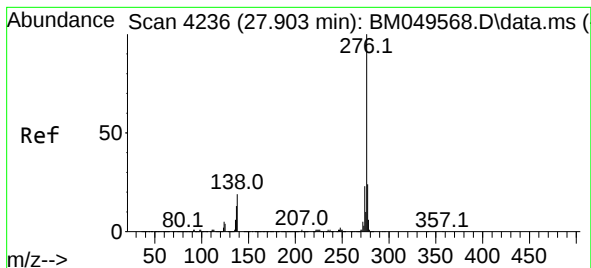
Ion Ratio Lower Upper

264 100

260 23.5 19.8 29.6

265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 67.159 ng

RT: 27.850 min Scan# 41

Delta R.T. -0.053 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

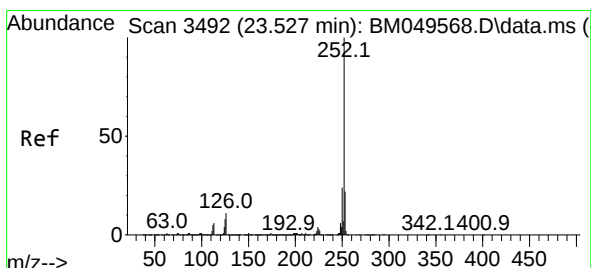
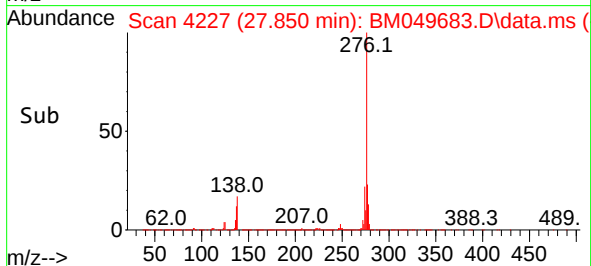
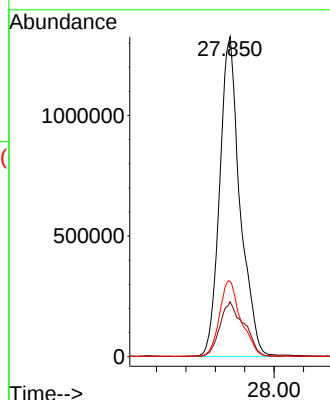
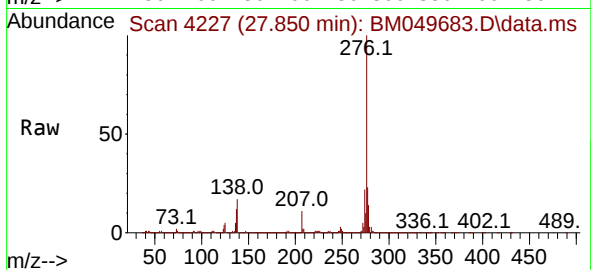
Tgt Ion:276 Resp: 6376944

Ion Ratio Lower Upper

276 100

138 20.3 13.1 19.7#

277 24.9 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 48.145 ng

RT: 23.491 min Scan# 3486

Delta R.T. -0.035 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

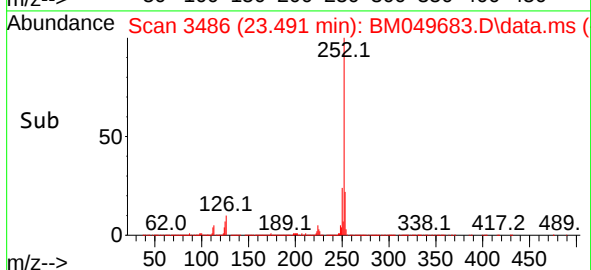
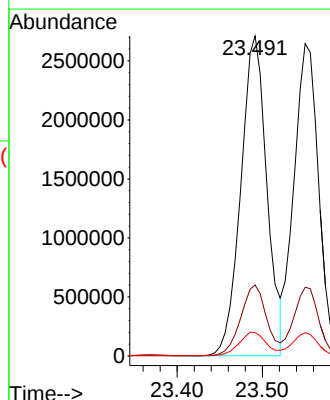
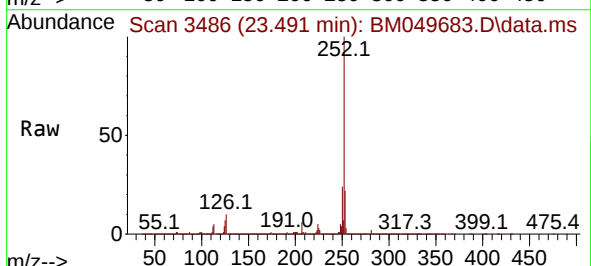
Tgt Ion:252 Resp: 5758593

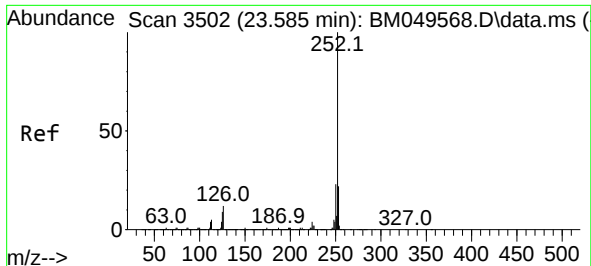
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 7.3 6.6 10.0

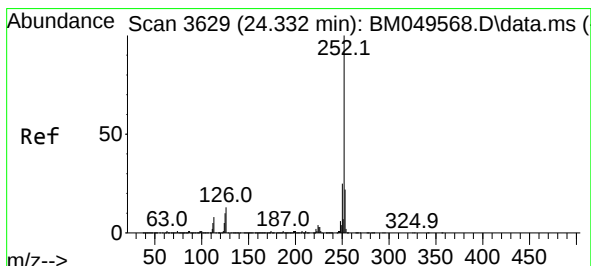
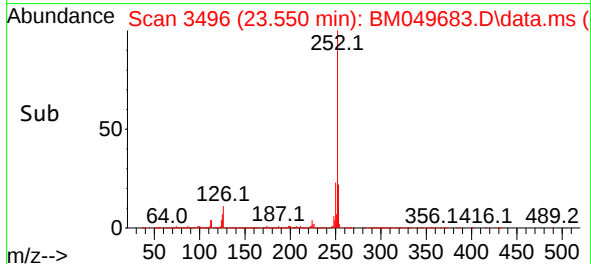
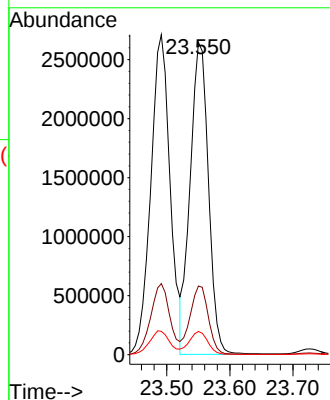
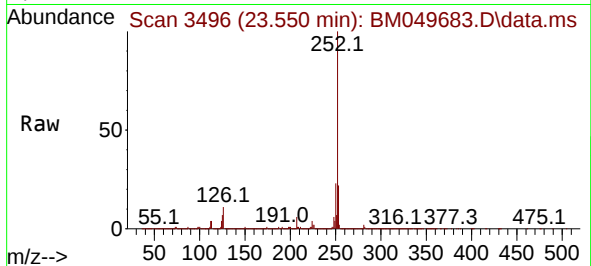




#89
Benzo(k)fluoranthene
Concen: 45.889 ng
RT: 23.550 min Scan# 34
Delta R.T. -0.035 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

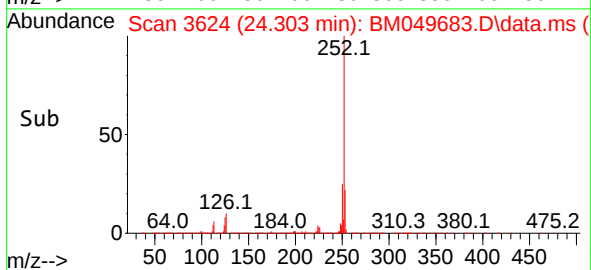
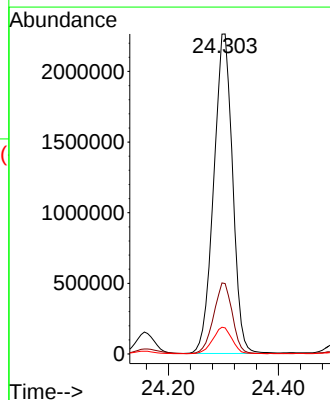
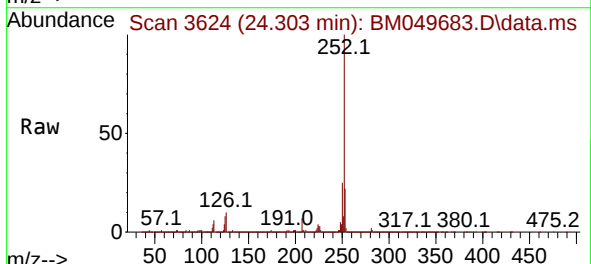
Instrument :
BNA_M
ClientSampleId :
SP-SOILMS

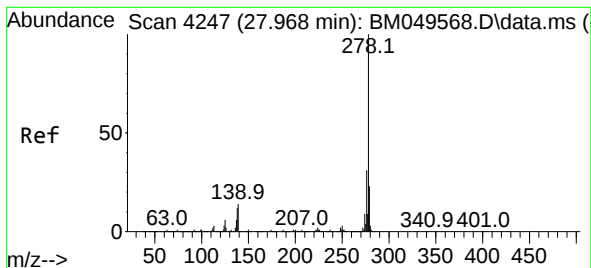
Tgt Ion:252 Resp: 5331064
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 7.4 7.0 10.6



#90
Benzo(a)pyrene
Concen: 56.924 ng
RT: 24.303 min Scan# 3624
Delta R.T. -0.029 min
Lab File: BM049683.D
Acq: 28 Feb 2025 17:55

Tgt Ion:252 Resp: 5395741
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 8.1 8.2 12.2#





#91

Dibenzo(a,h)anthracene

Concen: 65.593 ng

RT: 27.903 min Scan# 41

Delta R.T. -0.065 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Instrument :

BNA_M

ClientSampleId :

SP-SOILMS

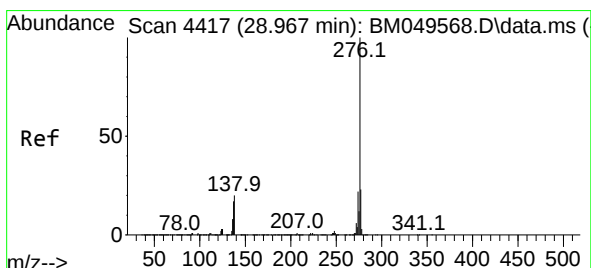
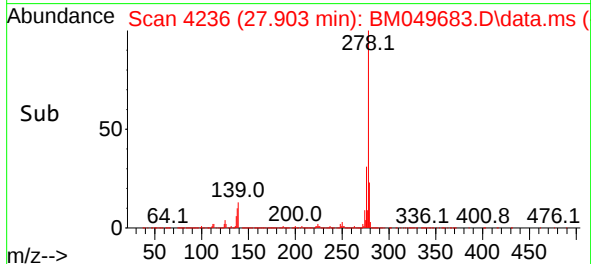
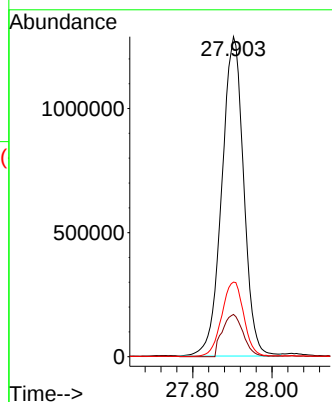
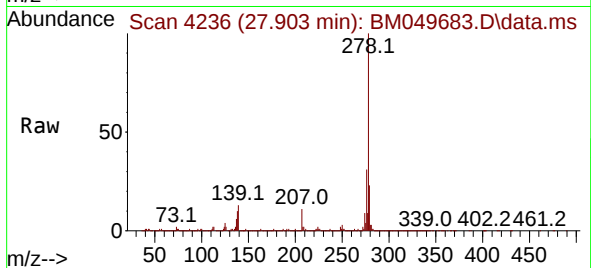
Tgt Ion:278 Resp: 4922455

Ion Ratio Lower Upper

278 100

139 13.2 11.5 17.3

279 23.3 18.2 27.2



#92

Benzo(g,h,i)perylene

Concen: 58.947 ng

RT: 28.909 min Scan# 4407

Delta R.T. -0.059 min

Lab File: BM049683.D

Acq: 28 Feb 2025 17:55

Tgt Ion:276 Resp: 4941599

Ion Ratio Lower Upper

276 100

277 23.8 18.7 28.1

138 17.4 16.0 24.0

