

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141725.D
 Acq On : 21 Feb 2025 17:45
 Operator : RC/JU
 Sample : Q1393-01MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Quant Time: Feb 21 21:48:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	90445	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	356935	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	179460	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	253875	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	176254	20.000	ng	-0.02
86) Perylene-d12	15.374	264	152054	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	621382	107.708	ng	0.00
7) Phenol-d6	6.428	99	774912	106.273	ng	-0.01
23) Nitrobenzene-d5	7.345	82	497495	72.698	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	174452	96.770	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	906784	77.846	ng	-0.02
79) Terphenyl-d14	12.880	244	732810	70.189	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.557	88	102282	44.050	ng	96
3) Pyridine	3.287	79	225430	40.799	ng	94
4) n-Nitrosodimethylamine	3.240	42	144797	39.577	ng	92
6) Aniline	6.445	93	143417	20.968	ng	# 49
8) 2-Chlorophenol	6.569	128	278246	44.635	ng	99
9) Benzaldehyde	6.328	77	120463	31.089	ng	99
10) Phenol	6.439	94	330679	43.572	ng	86
11) bis(2-Chloroethyl)ether	6.516	93	253607	44.490	ng	99
12) 1,3-Dichlorobenzene	6.722	146	290080	44.078	ng	97
13) 1,4-Dichlorobenzene	6.798	146	298166	44.344	ng	99
14) 1,2-Dichlorobenzene	6.945	146	280606	44.964	ng	99
15) Benzyl Alcohol	6.928	79	231378	41.379	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	394928	40.473	ng	74
17) 2-Methylphenol	7.045	107	217862	44.659	ng	96
18) Hexachloroethane	7.286	117	110084	44.238	ng	98
19) n-Nitroso-di-n-propyla...	7.198	70	188269	43.165	ng	93
20) 3+4-Methylphenols	7.204	107	278010	44.843	ng	# 73
22) Acetophenone	7.192	105	424300	47.787	ng	93
24) Nitrobenzene	7.363	77	285438	42.775	ng	99
25) Isophorone	7.604	82	500443	45.864	ng	99
26) 2-Nitrophenol	7.681	139	148207	44.641	ng	95
27) 2,4-Dimethylphenol	7.722	122	213100	54.944	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	313402	44.824	ng	100
29) 2,4-Dichlorophenol	7.928	162	227977	43.504	ng	100
30) 1,2,4-Trichlorobenzene	8.004	180	248020	43.462	ng	99
31) Naphthalene	8.086	128	801721	43.150	ng	99
32) Benzoic acid	7.869	122	155591	38.622	ng	99
33) 4-Chloroaniline	8.151	127	33455	5.157	ng	98
34) Hexachlorobutadiene	8.198	225	154823	45.192	ng	99
35) Caprolactam	8.510	113	60292	37.788	ng	93
36) 4-Chloro-3-methylphenol	8.633	107	237344	40.888	ng	99
37) 2-Methylnaphthalene	8.775	142	494568	40.905	ng	99
38) 1-Methylnaphthalene	8.875	142	475629	40.617	ng	98
40) 1,2,4,5-Tetrachloroben...	8.939	216	267134	51.451	ng	99
41) Hexachlorocyclopentadiene	8.928	237	214619	124.280	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	148966	44.392	ng	99

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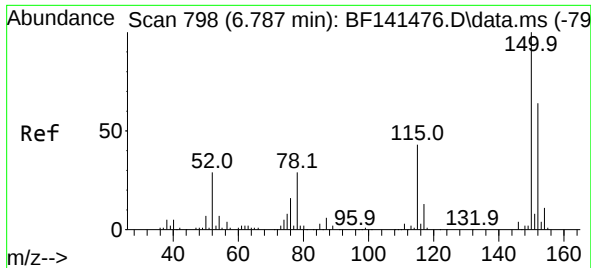
Quant Time: Feb 21 21:48:34 2025
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	156751	43.102	ng	97
46) 1,1'-Biphenyl	9.239	154	704815	50.658	ng	100
47) 2-Chloronaphthalene	9.263	162	477661	46.427	ng	99
48) 2-Nitroaniline	9.363	65	147377	42.683	ng	99
49) Acenaphthylene	9.675	152	708325	46.287	ng	99
50) Dimethylphthalate	9.539	163	558653	45.855	ng	99
51) 2,6-Dinitrotoluene	9.604	165	120041	45.072	ng	98
52) Acenaphthene	9.845	154	443504	43.109	ng	100
53) 3-Nitroaniline	9.775	138	62791	21.905	ng	100
54) 2,4-Dinitrophenol	9.892	184	113703	71.833	ng	89
55) Dibenzofuran	10.022	168	628029	41.589	ng	98
56) 4-Nitrophenol	9.957	139	147116	69.136	ng	93
57) 2,4-Dinitrotoluene	10.010	165	150202	42.364	ng	99
58) Fluorene	10.363	166	484714	41.514	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	121775	38.893	ng	94
60) Diethylphthalate	10.239	149	520629	43.434	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	244303	43.492	ng	97
62) 4-Nitroaniline	10.392	138	101261	34.789	ng	97
63) Azobenzene	10.516	77	576437	48.374	ng	91
65) 4,6-Dinitro-2-methylph...	10.422	198	75314	42.706	ng	92
66) n-Nitrosodiphenylamine	10.475	169	418931	51.549	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	139126	49.033	ng	99
68) Hexachlorobenzene	10.910	284	142049	48.618	ng	98
69) Atrazine	11.004	200	146673	60.160	ng	99
70) Pentachlorophenol	11.110	266	130299	69.745	ng	98
71) Phenanthrene	11.322	178	626888	44.859	ng	100
72) Anthracene	11.374	178	641761	45.684	ng	100
73) Carbazole	11.533	167	526396	41.645	ng	99
74) Di-n-butylphthalate	11.857	149	662894	45.419	ng	100
75) Fluoranthene	12.510	202	582756	39.333	ng	99
77) Benzidine	12.639	184	143363	36.881	ng	100
78) Pyrene	12.739	202	581460	38.754	ng	100
80) Butylbenzylphthalate	13.357	149	243882	46.928	ng	97
81) Benzo(a)anthracene	13.927	228	531104	45.331	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	111538	33.234	ng	99
83) Chrysene	13.963	228	485757	44.902	ng	100
84) Bis(2-ethylhexyl)phtha...	13.910	149	327142	55.813	ng	100
85) Di-n-octyl phthalate	14.521	149	558292	66.768	ng	97
87) Indeno(1,2,3-cd)pyrene	16.809	276	361745	38.503	ng	99
88) Benzo(b)fluoranthene	14.962	252	461750	45.227	ng	99
89) Benzo(k)fluoranthene	14.992	252	423795	48.611	ng	98
90) Benzo(a)pyrene	15.315	252	390519	47.271	ng	98
91) Dibenzo(a,h)anthracene	16.815	278	293878	38.603	ng	98
92) Benzo(g,h,i)perylene	17.233	276	266880	33.500	ng	99

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

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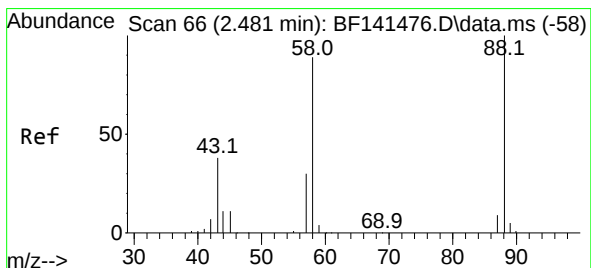
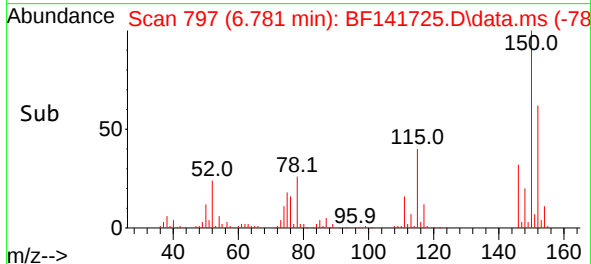
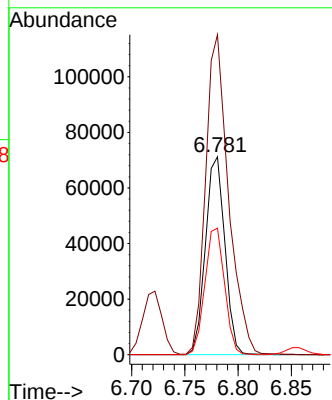
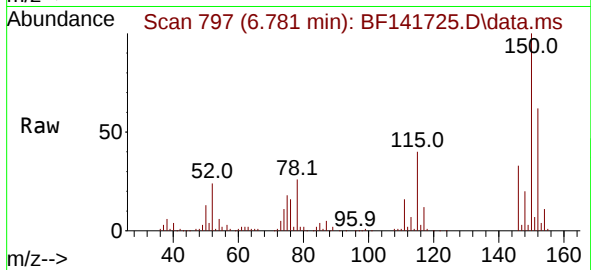




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141725.D
 Acq: 21 Feb 2025 17:45

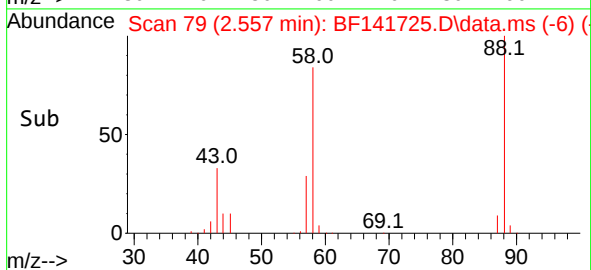
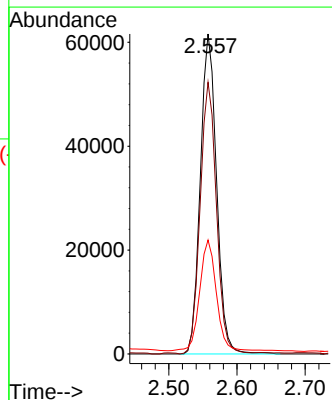
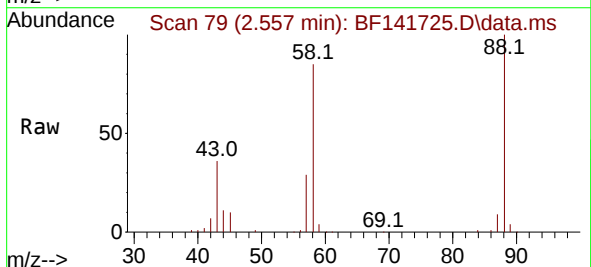
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

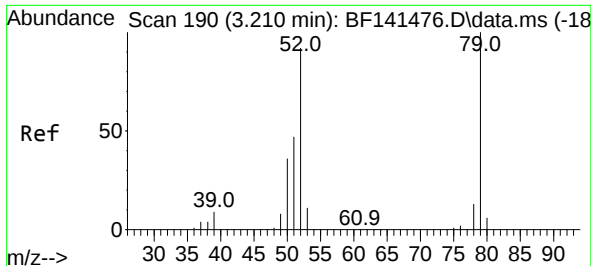
Tgt Ion:152 Resp: 90445
 Ion Ratio Lower Upper
 152 100
 150 161.7 125.0 187.4
 115 64.0 53.6 80.4



#2
 1,4-Dioxane
 Concen: 44.050 ng
 RT: 2.557 min Scan# 79
 Delta R.T. 0.077 min
 Lab File: BF141725.D
 Acq: 21 Feb 2025 17:45

Tgt Ion: 88 Resp: 102282
 Ion Ratio Lower Upper
 88 100
 58 85.1 71.1 106.7
 43 36.5 30.6 46.0





#3

Pyridine

Concen: 40.799 ng

RT: 3.287 min Scan# 20

Delta R.T. 0.071 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

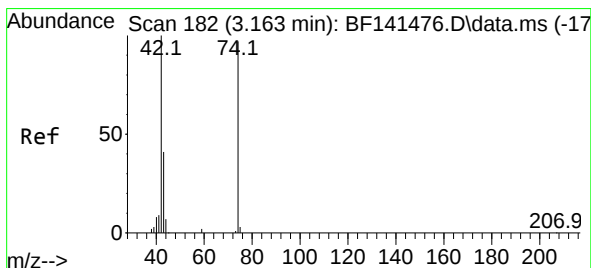
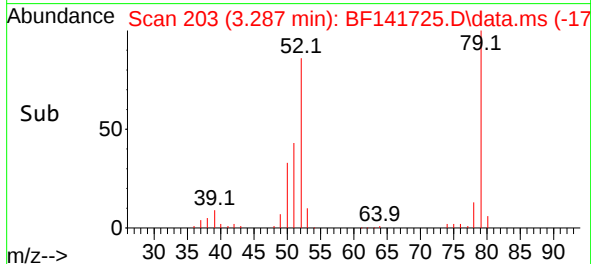
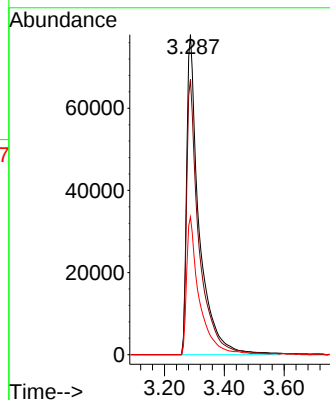
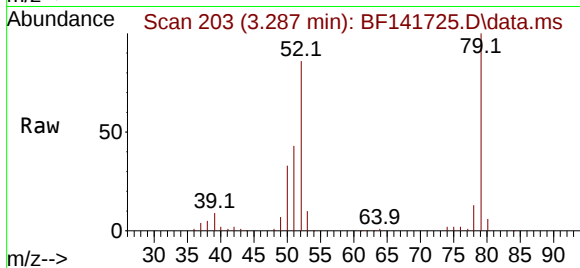
Tgt Ion: 79 Resp: 225430

Ion Ratio Lower Upper

79 100

52 86.0 73.7 110.5

51 43.1 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 39.577 ng

RT: 3.240 min Scan# 195

Delta R.T. 0.053 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

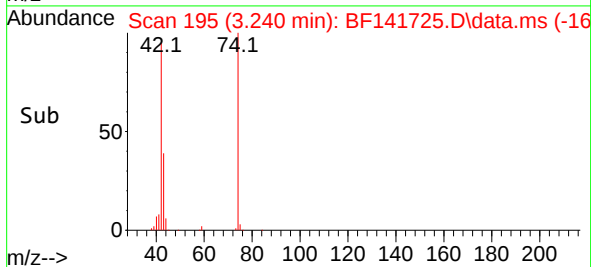
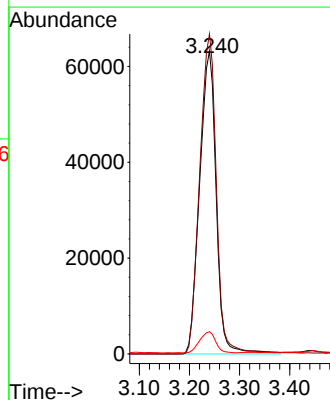
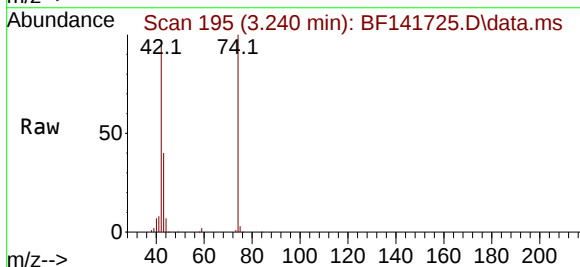
Tgt Ion: 42 Resp: 144797

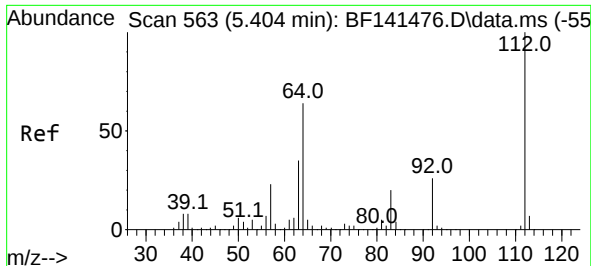
Ion Ratio Lower Upper

42 100

74 105.6 78.0 117.0

44 7.3 5.4 8.2

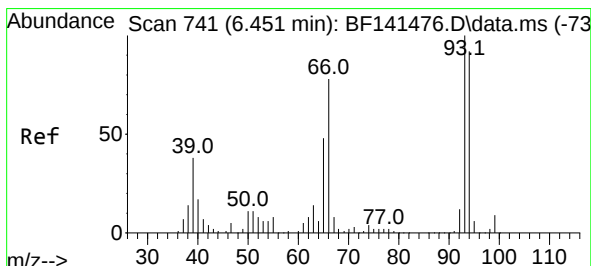
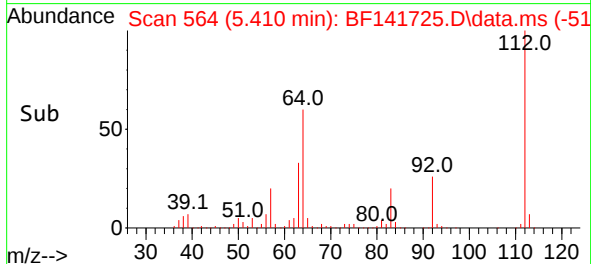
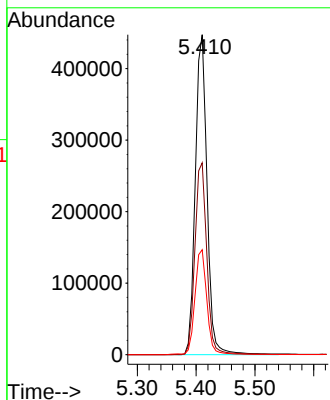
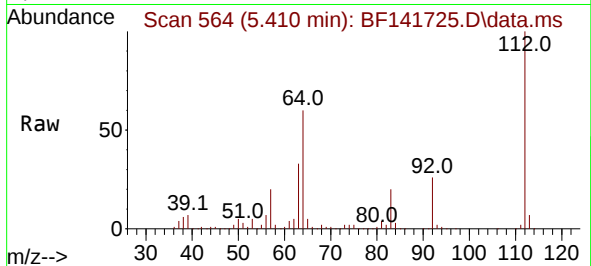




#5
2-Fluorophenol
Concen: 107.708 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

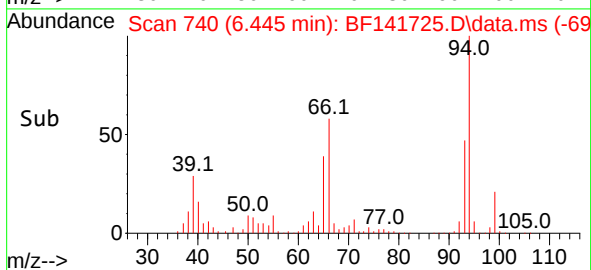
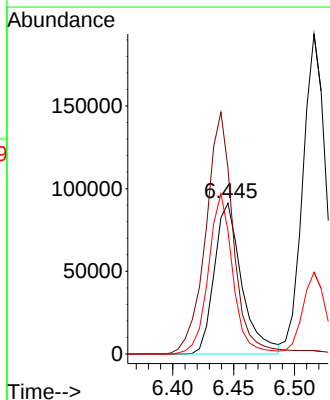
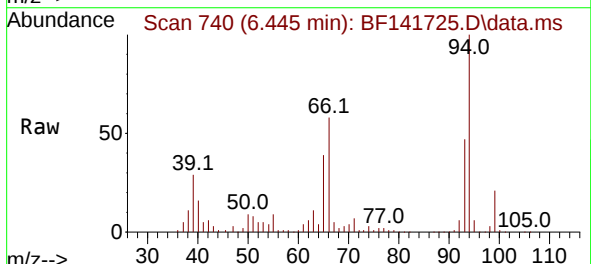
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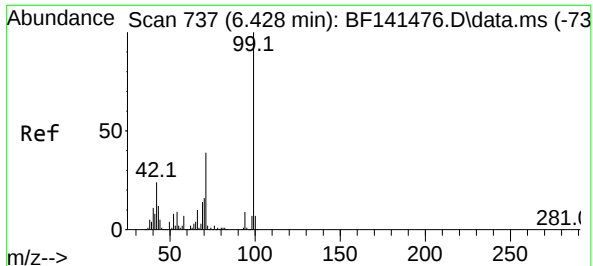
Tgt Ion:112 Resp: 621382
Ion Ratio Lower Upper
112 100
64 60.0 51.1 76.7
63 32.8 28.4 42.6



#6
Aniline
Concen: 20.968 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion: 93 Resp: 143417
Ion Ratio Lower Upper
93 100
66 123.3 62.6 94.0#
65 81.7 38.3 57.5#

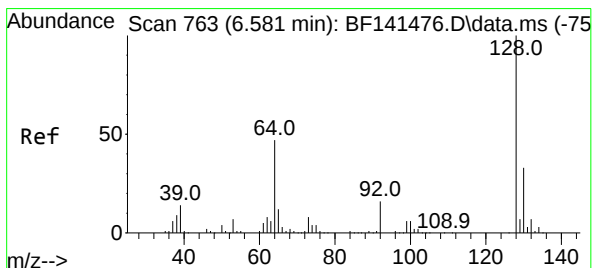
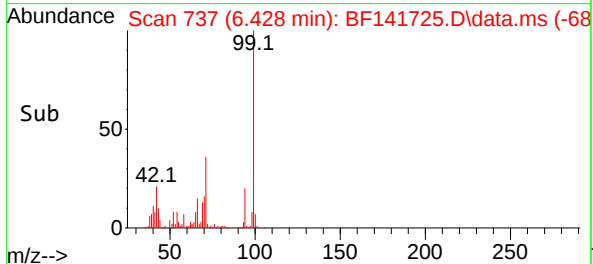
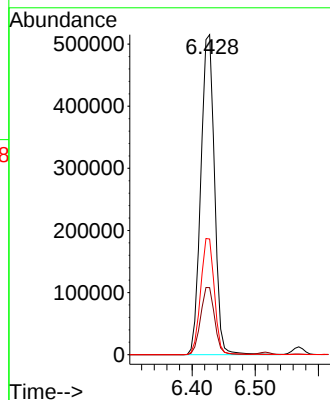
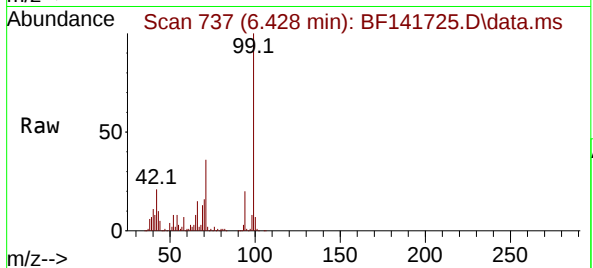




#7
Phenol-d6
Concen: 106.273 ng
RT: 6.428 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

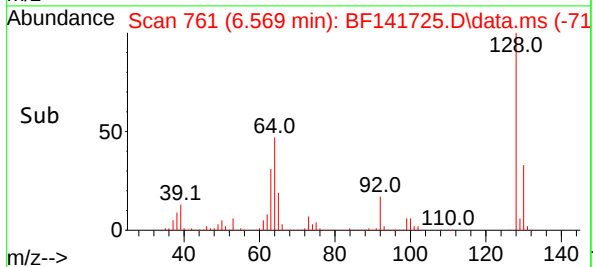
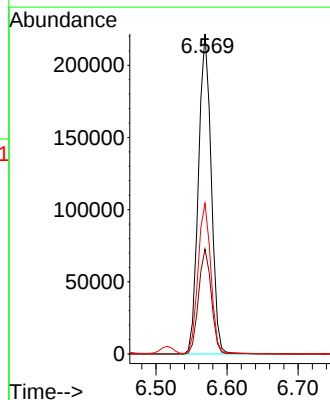
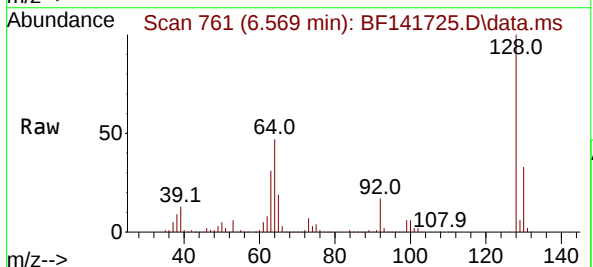
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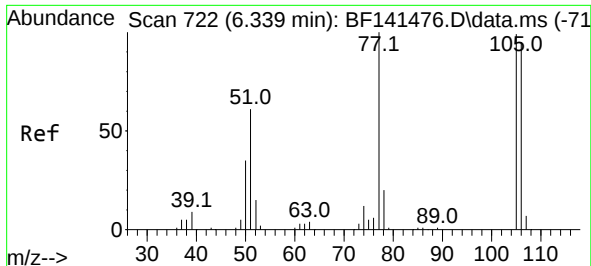
Tgt Ion: 99 Resp: 774912
Ion Ratio Lower Upper
99 100
42 20.9 19.1 28.7
71 36.1 31.1 46.7



#8
2-Chlorophenol
Concen: 44.635 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion: 128 Resp: 278246
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 47.1 28.3 68.3





#9

Benzaldehyde

Concen: 31.089 ng

RT: 6.328 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

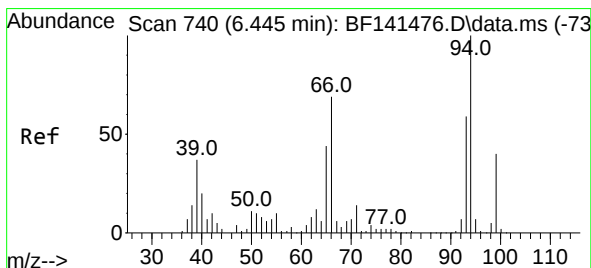
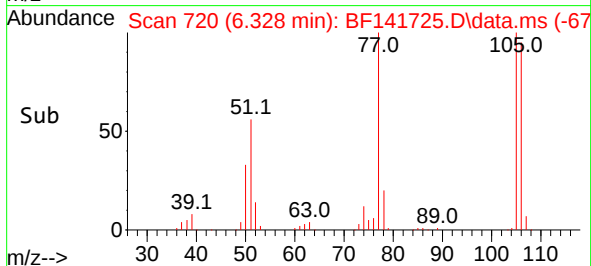
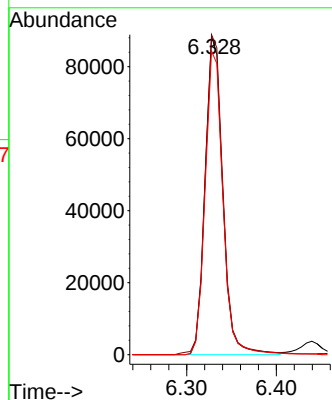
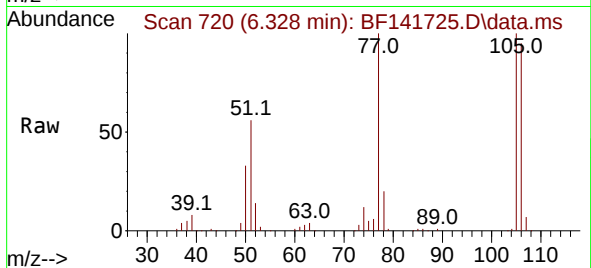
Tgt Ion: 77 Resp: 120463

Ion Ratio Lower Upper

77 100

105 100.4 79.4 119.4

106 95.3 75.1 115.1



#10

Phenol

Concen: 43.572 ng

RT: 6.439 min Scan# 739

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

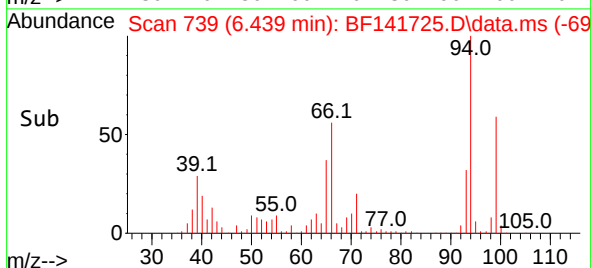
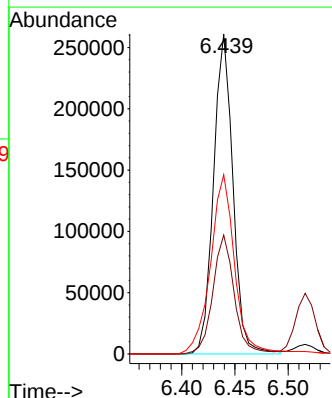
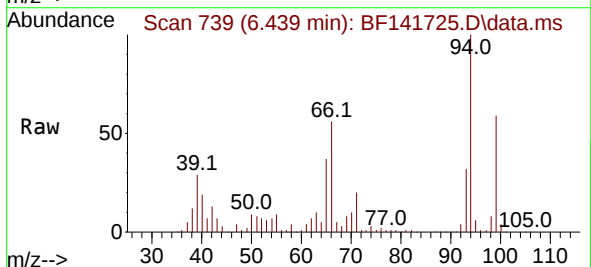
Tgt Ion: 94 Resp: 330679

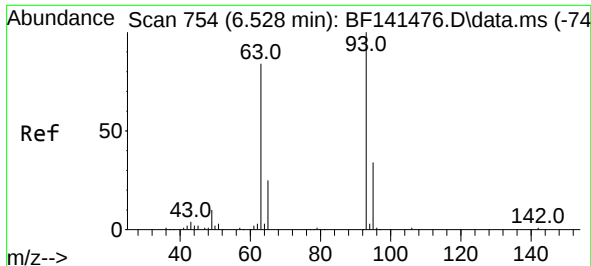
Ion Ratio Lower Upper

94 100

65 37.1 23.7 63.7

66 56.0 49.3 89.3

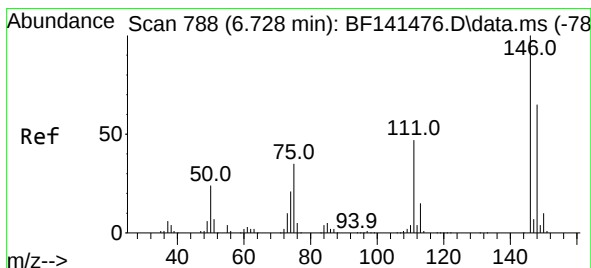
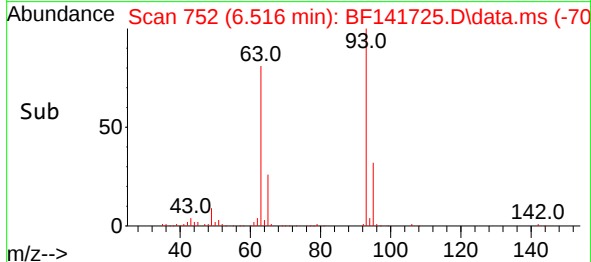
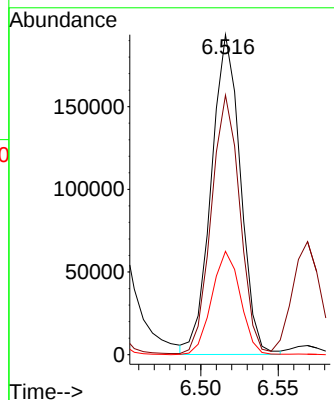
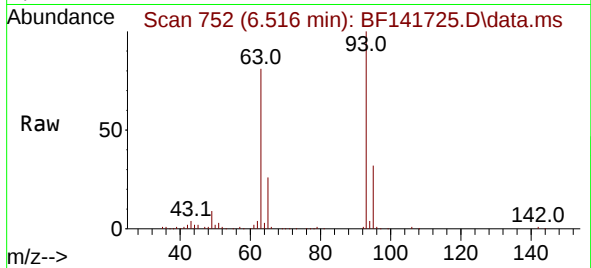




#11
bis(2-Chloroethyl)ether
Concen: 44.490 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

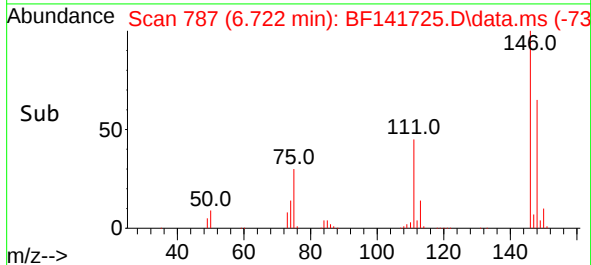
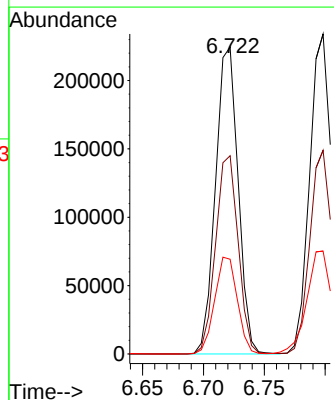
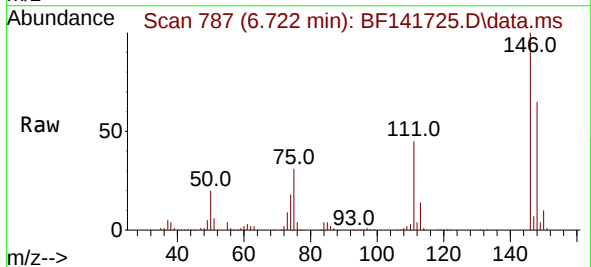
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

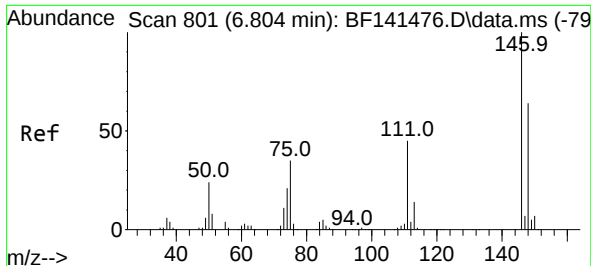
Tgt Ion: 93 Resp: 253607
Ion Ratio Lower Upper
93 100
63 81.1 62.0 102.0
95 32.3 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 44.078 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:146 Resp: 290080
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
75 30.8 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 44.344 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.012 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

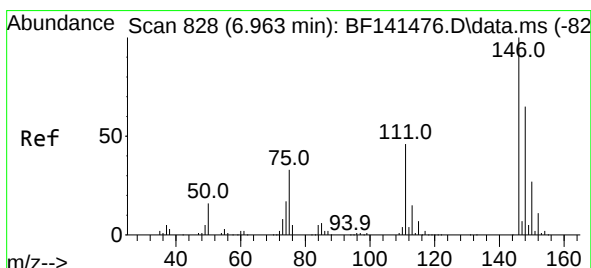
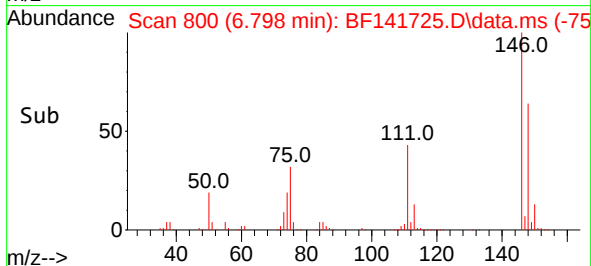
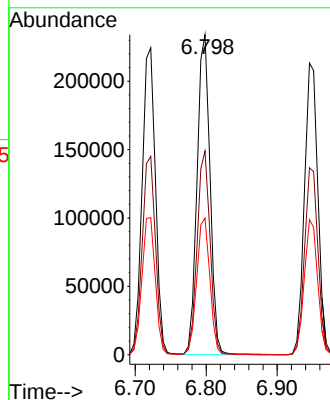
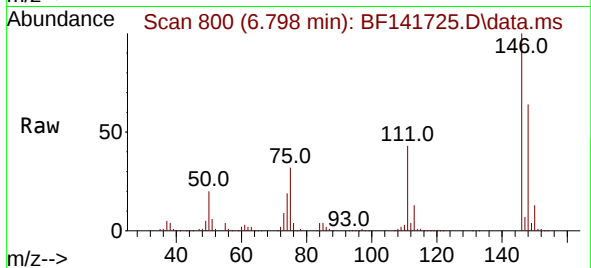
Tgt Ion:146 Resp: 298166

Ion Ratio Lower Upper

146 100

148 63.6 50.9 76.3

111 42.7 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 44.964 ng

RT: 6.945 min Scan# 825

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

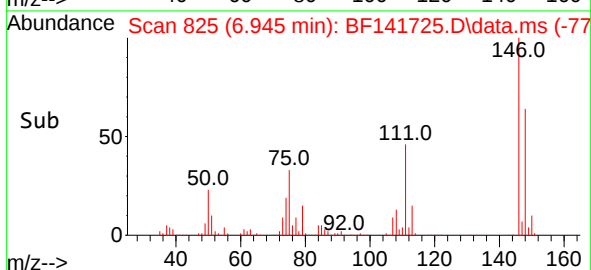
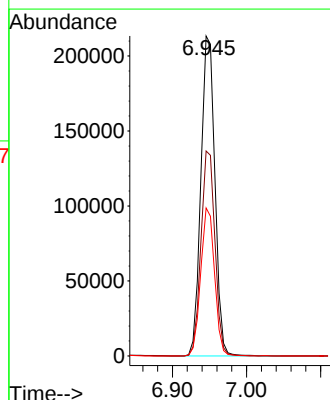
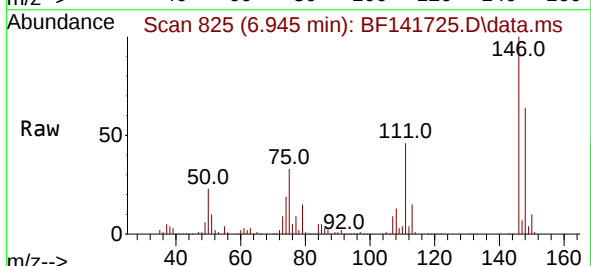
Tgt Ion:146 Resp: 280606

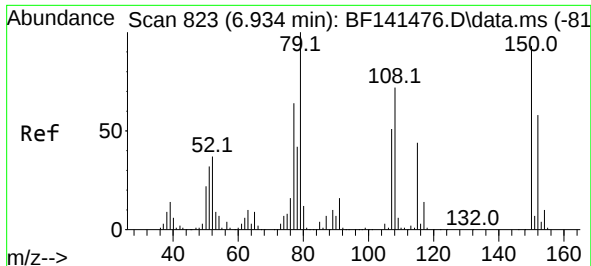
Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.6

111 46.3 37.0 55.4

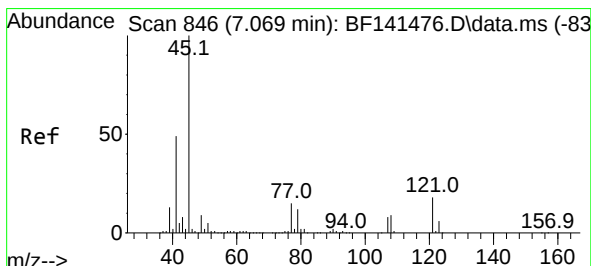
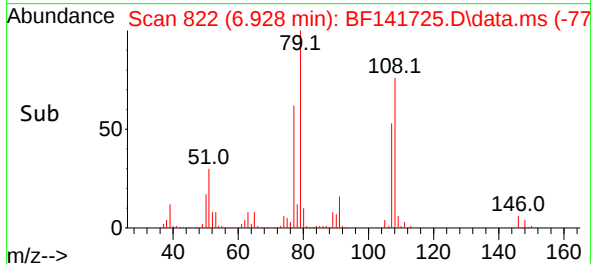
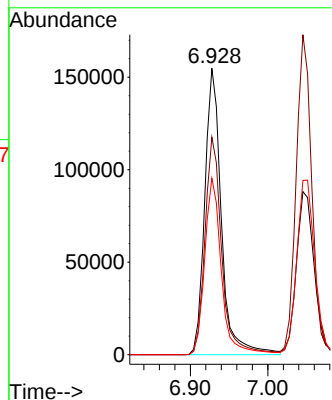
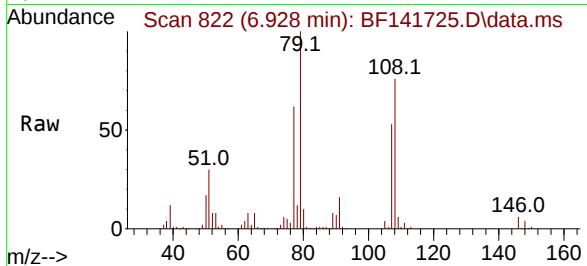




#15
Benzyl Alcohol
Concen: 41.379 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

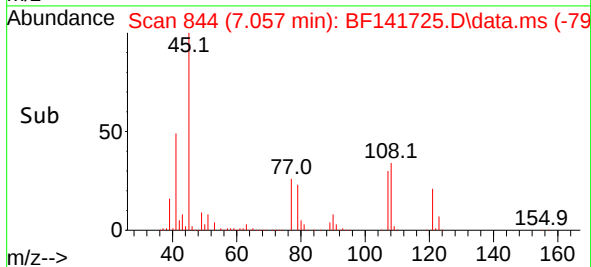
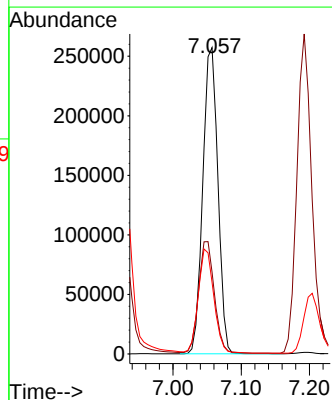
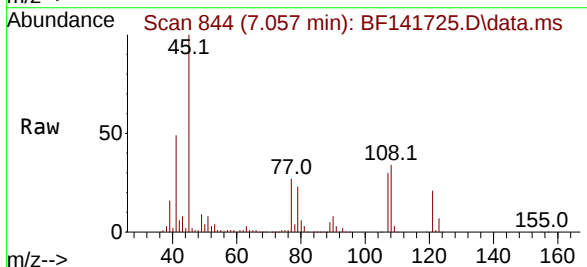
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

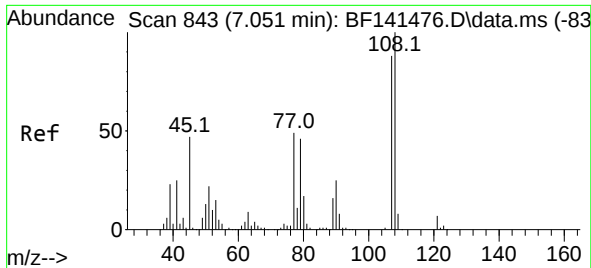
Tgt Ion: 79 Resp: 231378
Ion Ratio Lower Upper
79 100
108 75.9 57.4 86.2
77 61.6 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.473 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

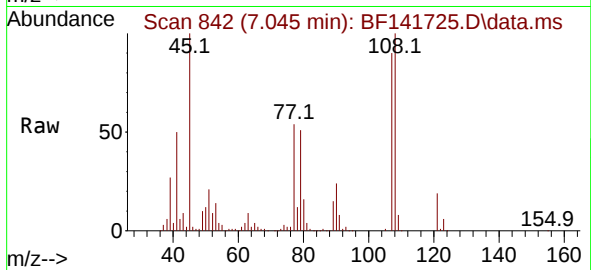
Tgt Ion: 45 Resp: 394928
Ion Ratio Lower Upper
45 100
77 26.8 0.0 35.8
79 23.4 0.0 32.7



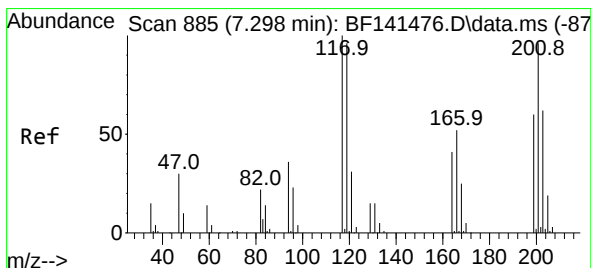
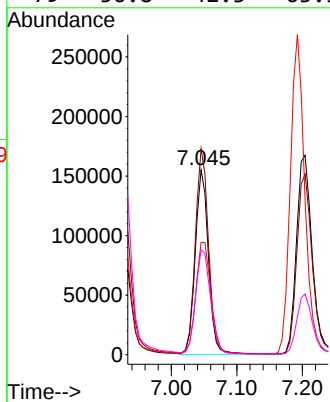
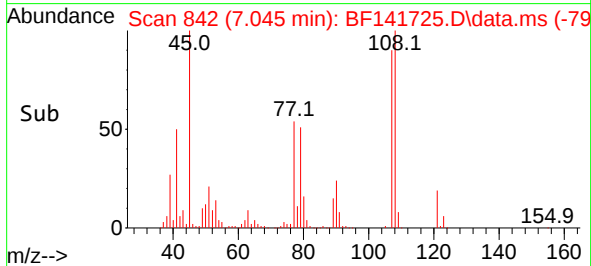


#17
2-Methylphenol
Concen: 44.659 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

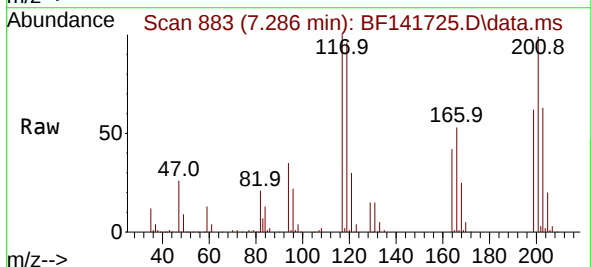
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS



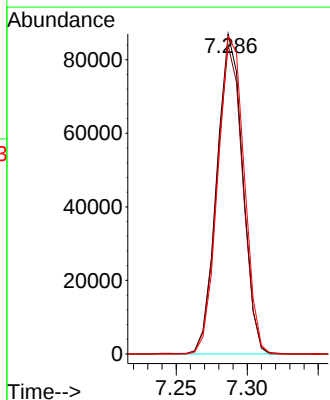
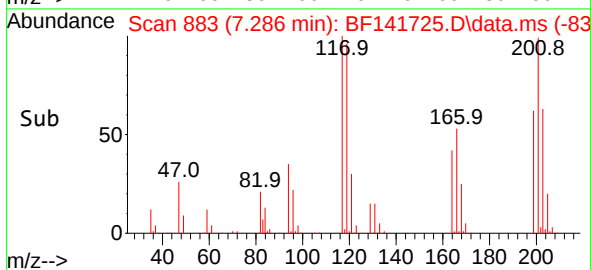
Tgt Ion:	107	Resp:	217862
Ion	Ratio	Lower	Upper
107	100		
108	111.4	90.6	136.0
77	60.7	44.4	66.6
79	56.8	42.3	63.5

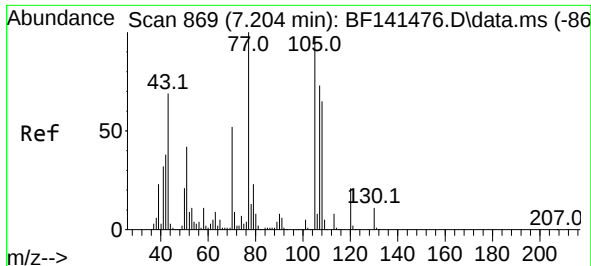


#18
Hexachloroethane
Concen: 44.238 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45



Tgt Ion:	117	Resp:	110084
Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.5	114.7
201	99.3	76.7	115.1

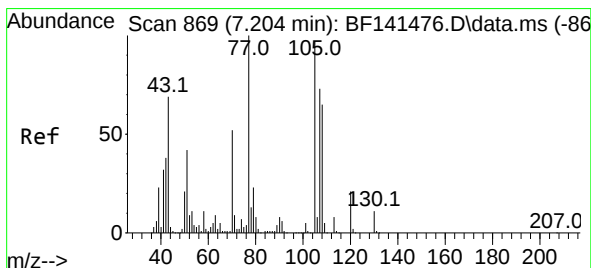
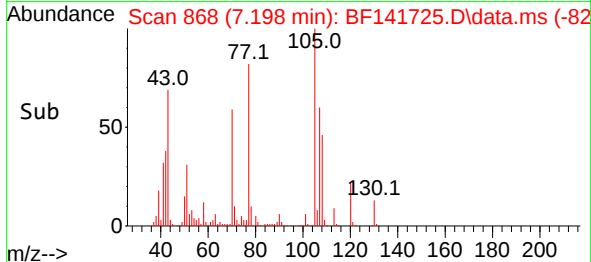
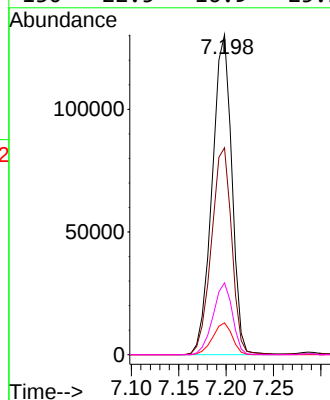
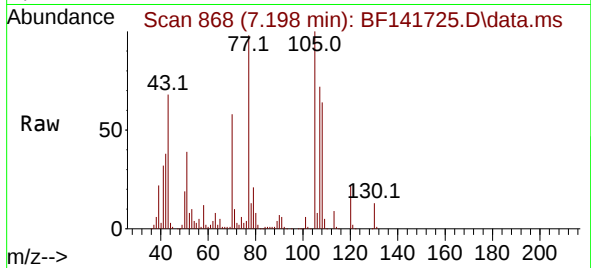




#19
n-Nitroso-di-n-propylamine
Concen: 43.165 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

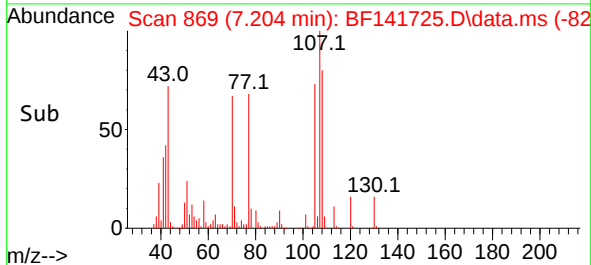
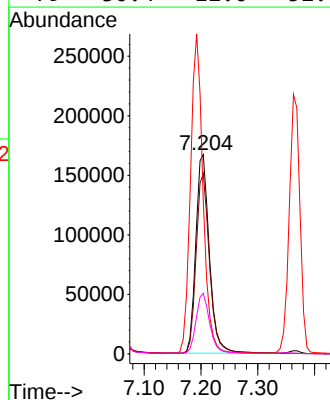
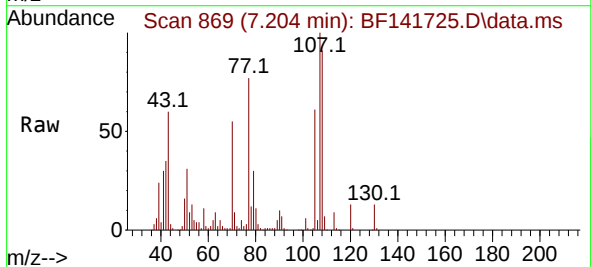
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

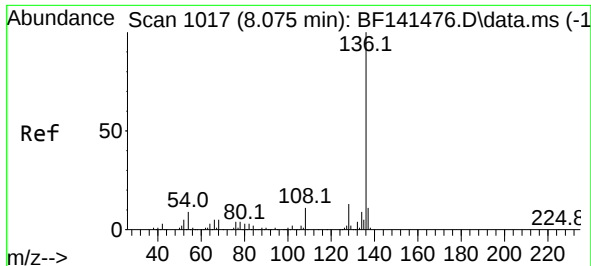
Tgt Ion: 70 Resp: 188269
Ion Ratio Lower Upper
70 100
42 64.6 57.4 86.2
101 9.9 8.0 12.0
130 22.5 16.9 25.3



#20
3+4-Methylphenols
Concen: 44.843 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:107 Resp: 278010
Ion Ratio Lower Upper
107 100
108 90.6 68.5 108.5
77 77.5 116.5 156.5#
79 30.4 12.0 52.0

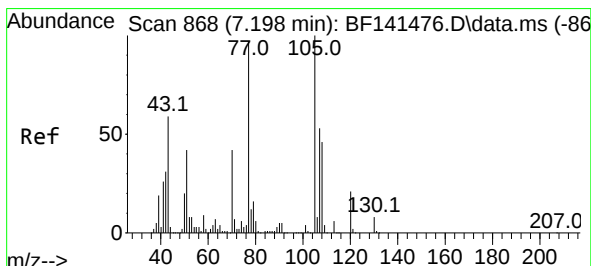
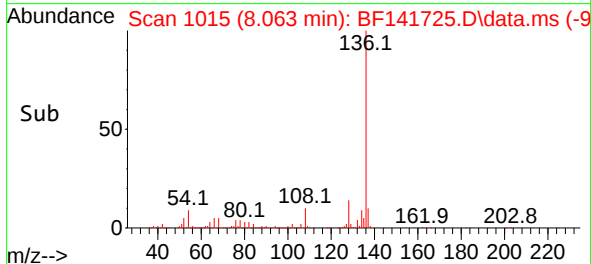
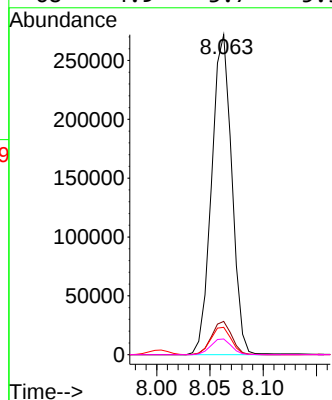
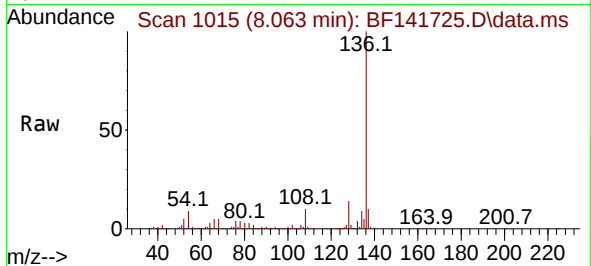




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

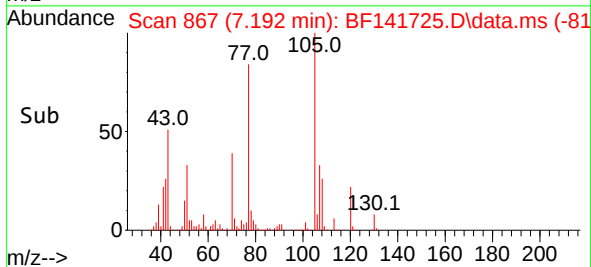
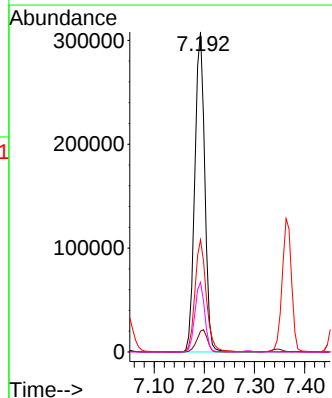
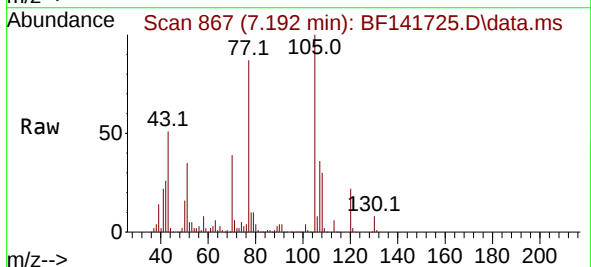
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

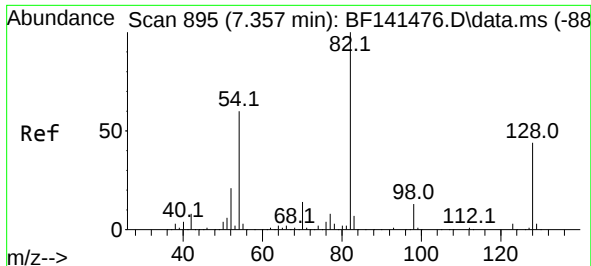
Tgt Ion:136 Resp: 356935
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 8.5 7.2 10.8
68 4.9 3.7 5.5



#22
Acetophenone
Concen: 47.787 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:105 Resp: 424300
Ion Ratio Lower Upper
105 100
71 6.5 5.7 8.5
51 35.1 33.7 50.5
120 21.8 17.0 25.6





#23

Nitrobenzene-d5

Concen: 72.698 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

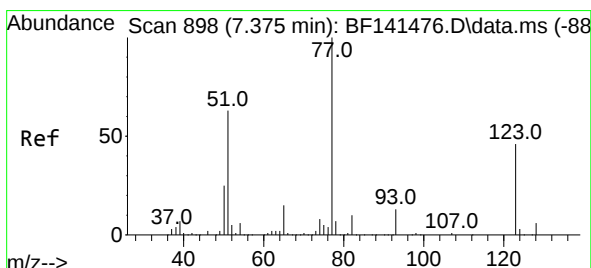
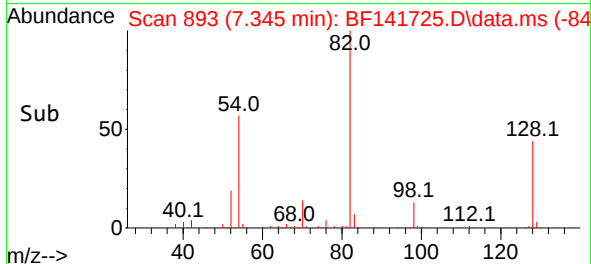
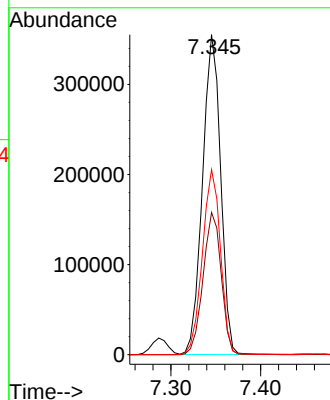
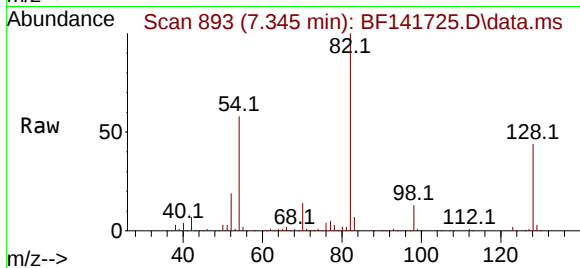
Tgt Ion: 82 Resp: 497495

Ion Ratio Lower Upper

82 100

128 44.5 34.8 52.2

54 57.8 48.2 72.4



#24

Nitrobenzene

Concen: 42.775 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

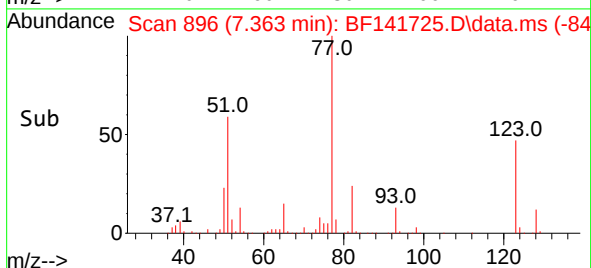
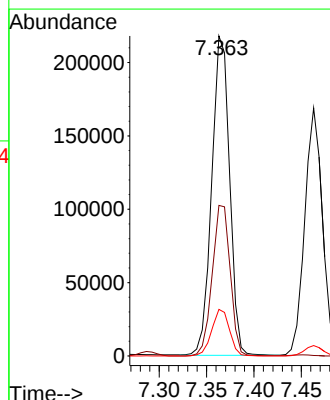
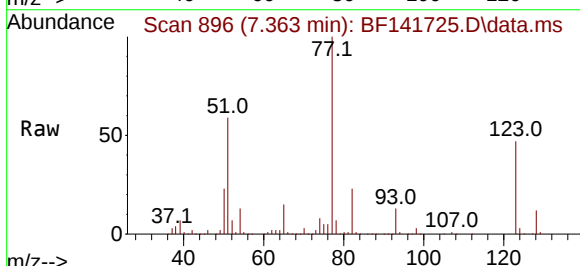
Tgt Ion: 77 Resp: 285438

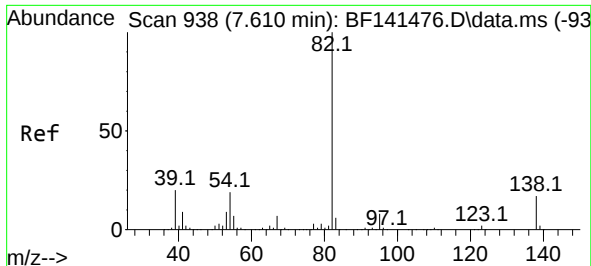
Ion Ratio Lower Upper

77 100

123 47.0 36.9 55.3

65 14.6 11.9 17.9

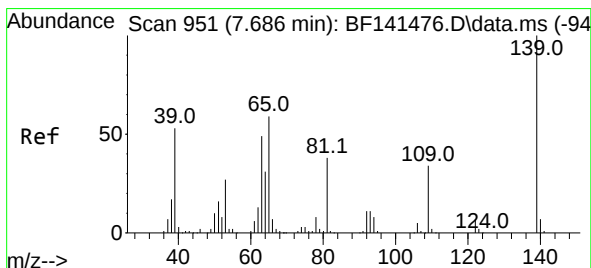
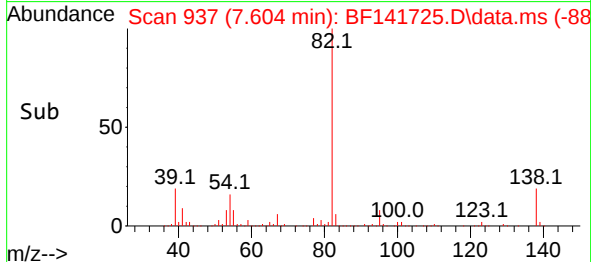
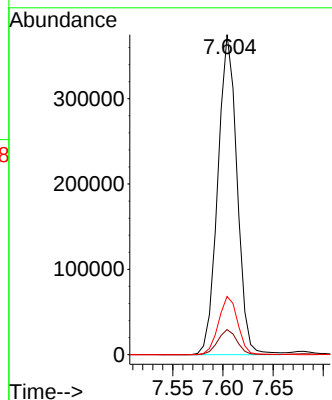
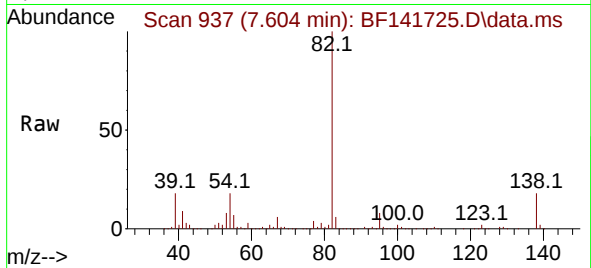




#25
Isophorone
Concen: 45.864 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

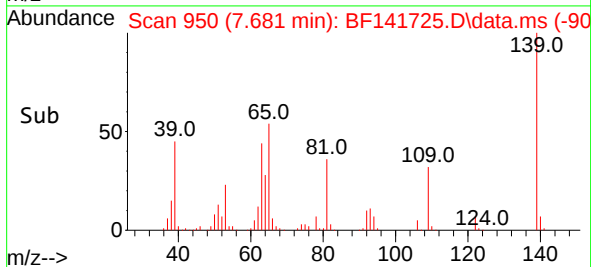
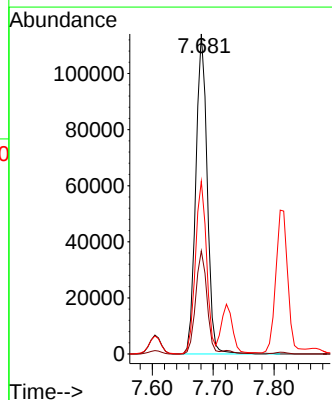
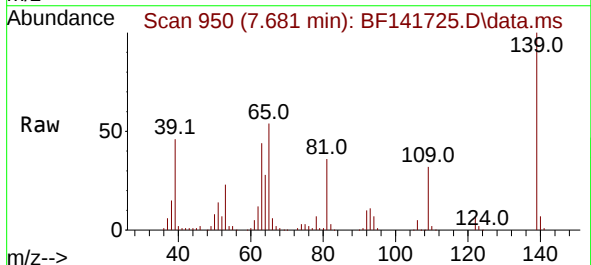
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

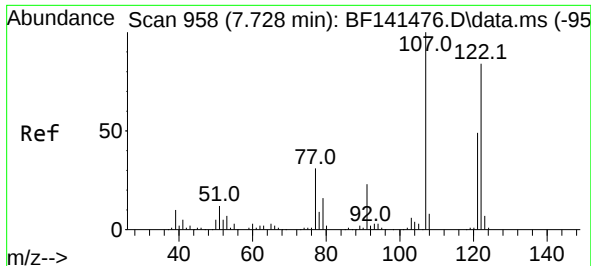
Tgt Ion: 82 Resp: 500443
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 18.2 13.9 20.9



#26
2-Nitrophenol
Concen: 44.641 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:139 Resp: 148207
Ion Ratio Lower Upper
139 100
109 32.2 27.0 40.6
65 54.0 47.1 70.7

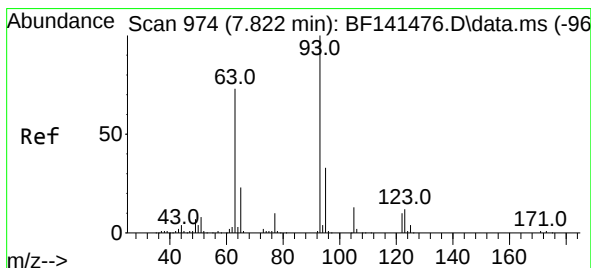
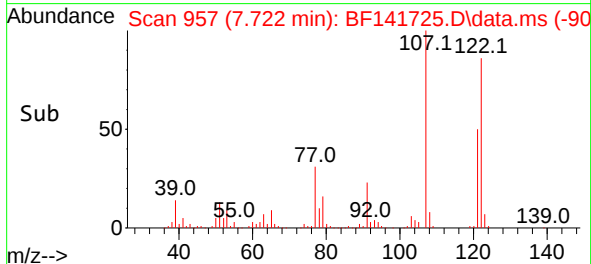
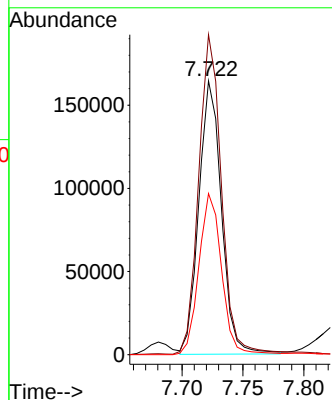
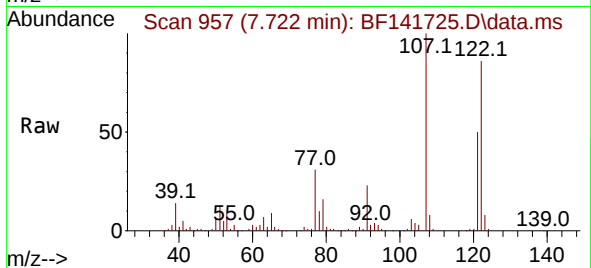




#27
2,4-Dimethylphenol
Concen: 54.944 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

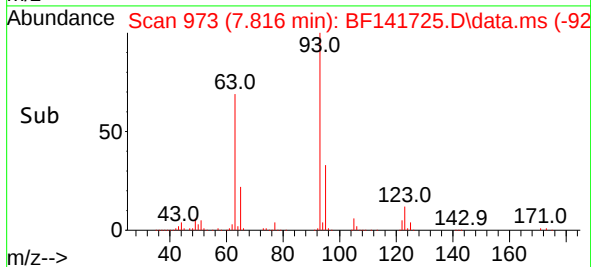
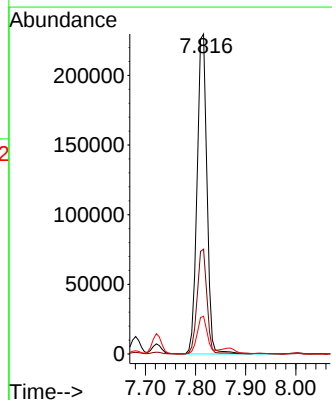
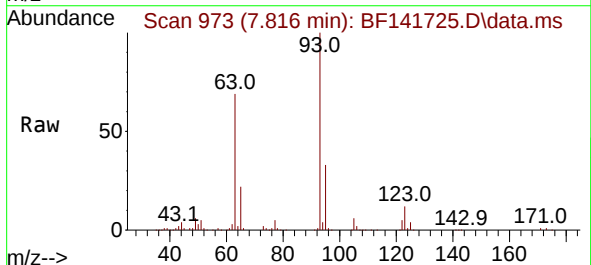
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BNA_F
ClientSampleId :
SOIL-COMPMS

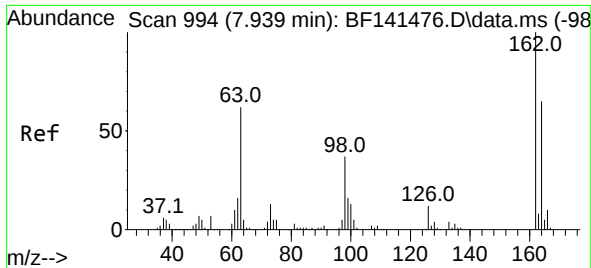
Tgt Ion:122 Resp: 213100
Ion Ratio Lower Upper
122 100
107 116.9 94.3 141.5
121 58.8 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 44.824 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

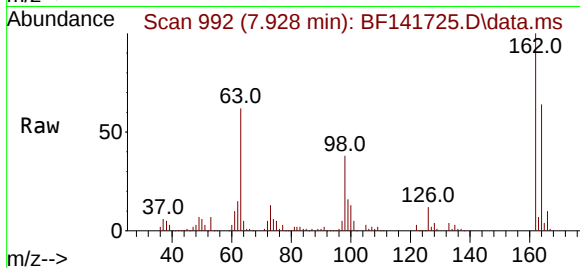
Tgt Ion: 93 Resp: 313402
Ion Ratio Lower Upper
93 100
95 32.7 26.1 39.1
123 11.8 9.5 14.3



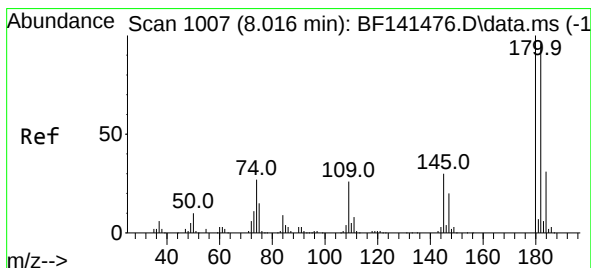
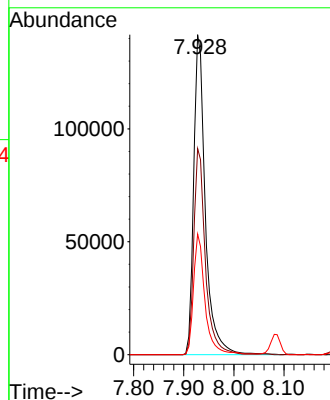
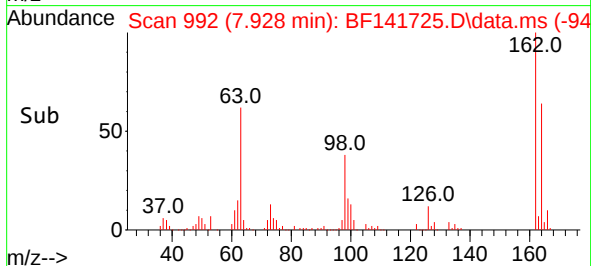


#29
2,4-Dichlorophenol
Concen: 43.504 ng
RT: 7.928 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

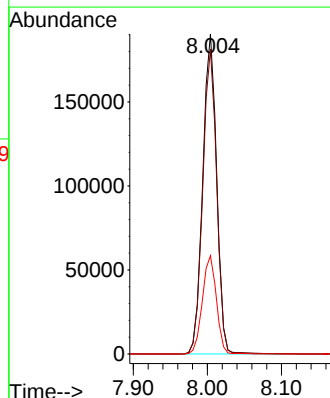
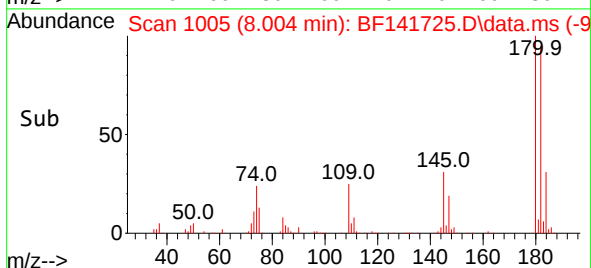
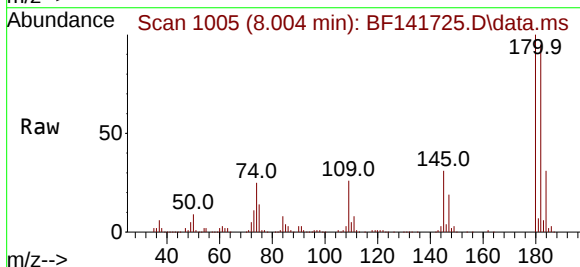


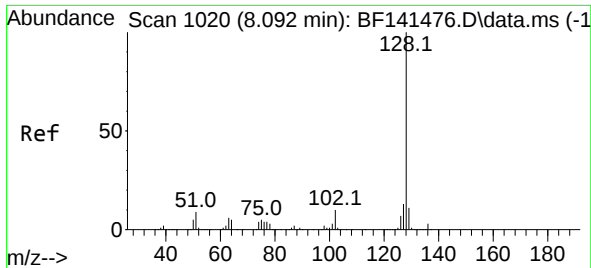
Tgt Ion:162 Resp: 227977
Ion Ratio Lower Upper
162 100
164 64.4 44.6 84.6
98 37.7 17.2 57.2



#30
1,2,4-Trichlorobenzene
Concen: 43.462 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:180 Resp: 248020
Ion Ratio Lower Upper
180 100
182 95.2 76.8 115.2
145 30.7 24.2 36.4

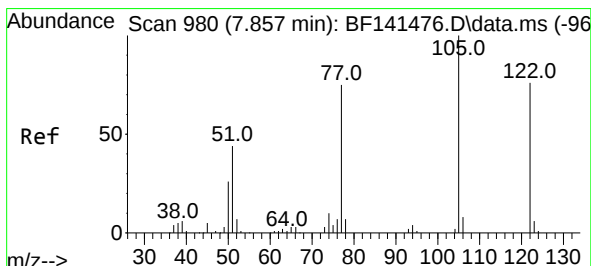
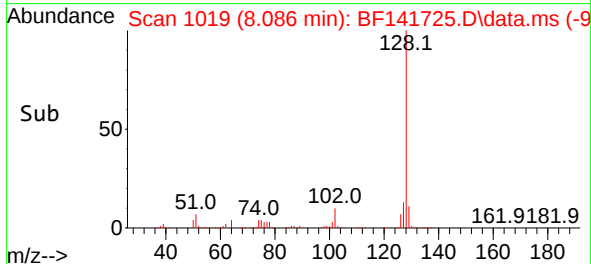
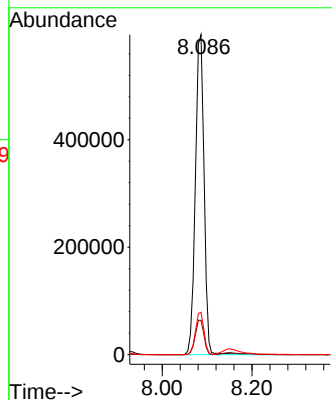
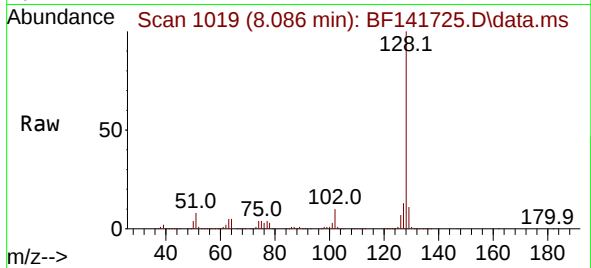




#31
Naphthalene
Concen: 43.150 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

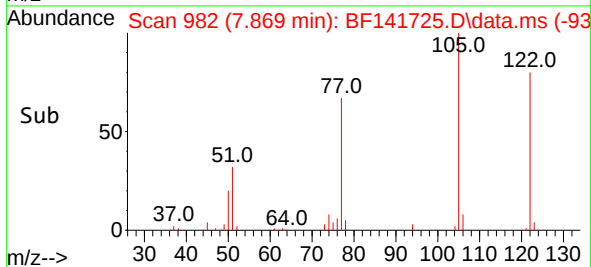
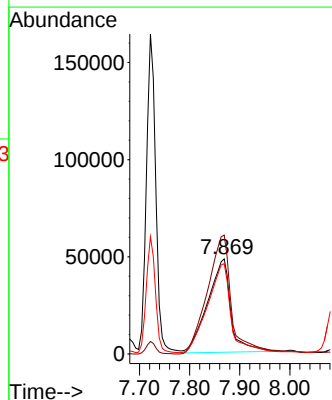
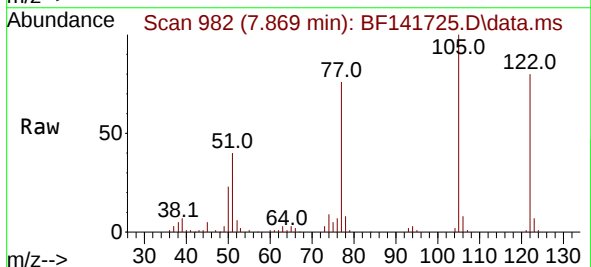
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

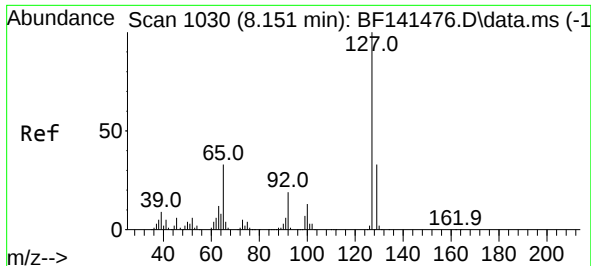
Tgt Ion:128 Resp: 801721
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 38.622 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:122 Resp: 155591
Ion Ratio Lower Upper
122 100
105 125.1 106.5 146.5
77 94.9 76.3 116.3

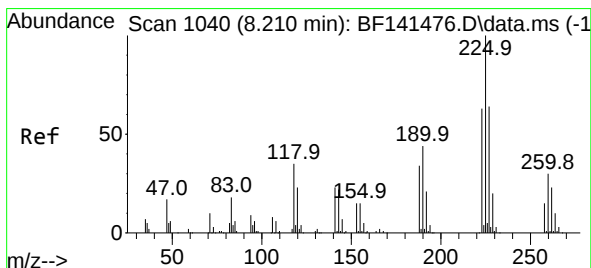
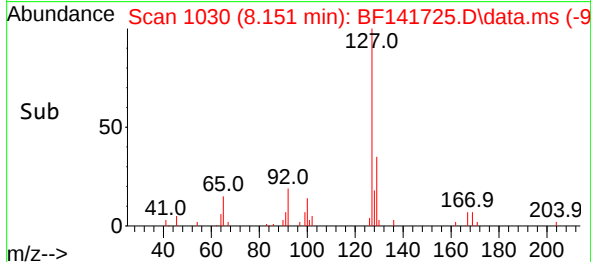
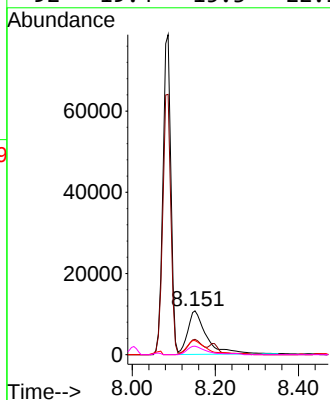
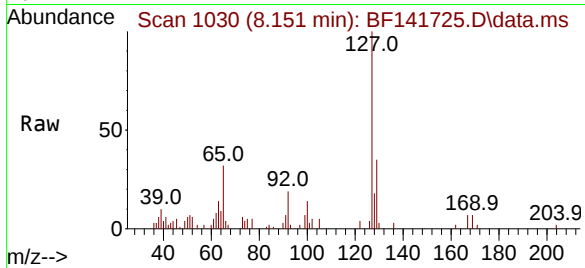




#33
4-Chloroaniline
Concen: 5.157 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

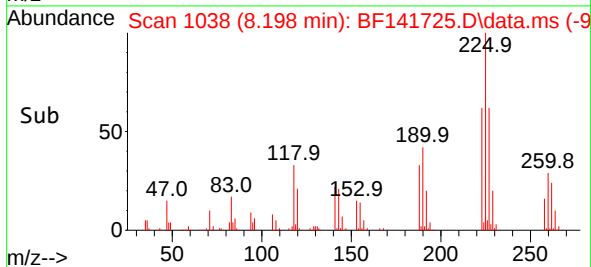
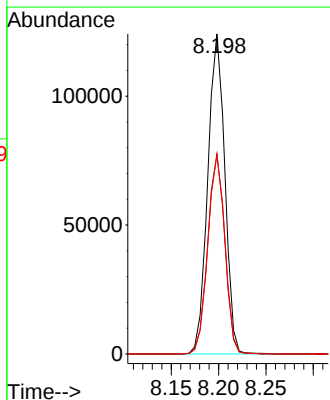
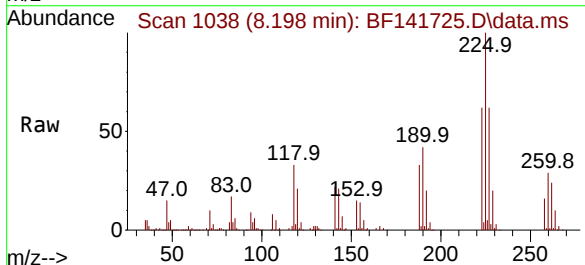
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

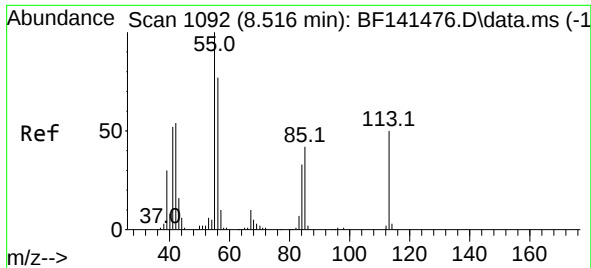
Tgt Ion:	127	Resp:	33455
Ion Ratio	Lower	Upper	
127	100		
129	34.9	26.5	39.7
65	32.1	26.4	39.6
92	19.4	15.3	22.9



#34
Hexachlorobutadiene
Concen: 45.192 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:	225	Resp:	154823
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.1	75.1
227	62.3	51.0	76.6

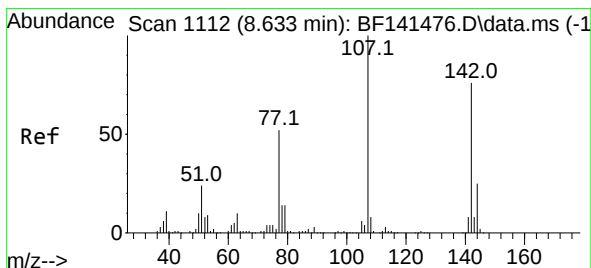
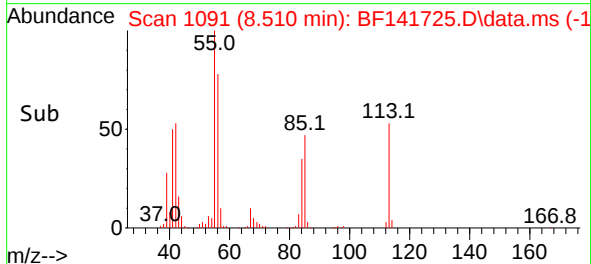
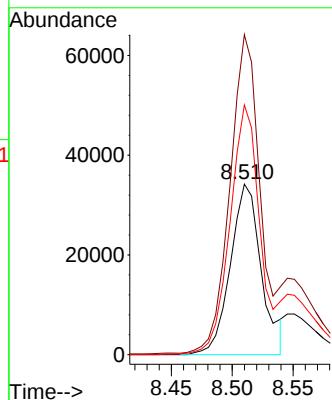
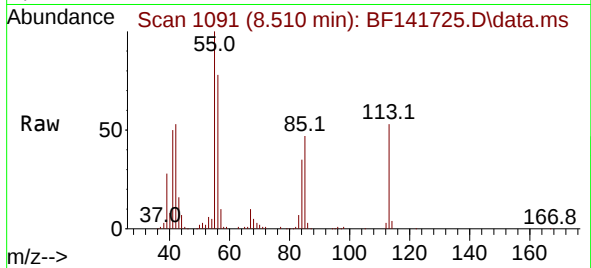




#35
 Caprolactam
 Concen: 37.788 ng
 RT: 8.510 min Scan# 1091
 Delta R.T. -0.035 min
 Lab File: BF141725.D
 Acq: 21 Feb 2025 17:45

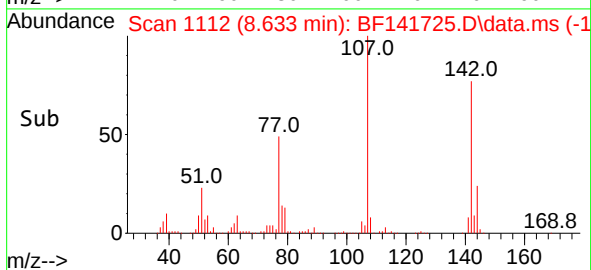
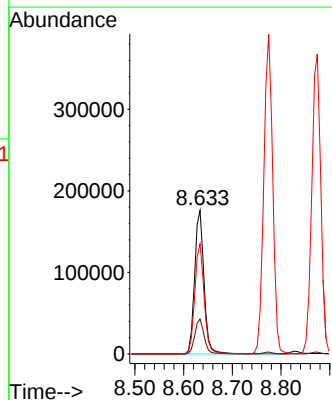
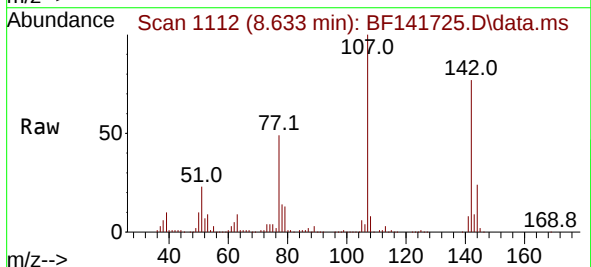
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

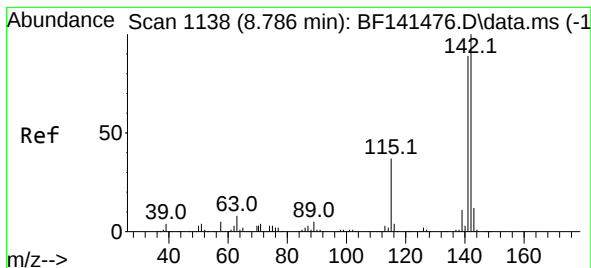
Tgt Ion:113 Resp: 60292
 Ion Ratio Lower Upper
 113 100
 55 187.7 180.8 220.8
 56 146.4 133.6 173.6



#36
 4-Chloro-3-methylphenol
 Concen: 40.888 ng
 RT: 8.633 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141725.D
 Acq: 21 Feb 2025 17:45

Tgt Ion:107 Resp: 237344
 Ion Ratio Lower Upper
 107 100
 144 24.3 19.7 29.5
 142 76.7 60.8 91.2





#37

2-Methylnaphthalene

Concen: 40.905 ng

RT: 8.775 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

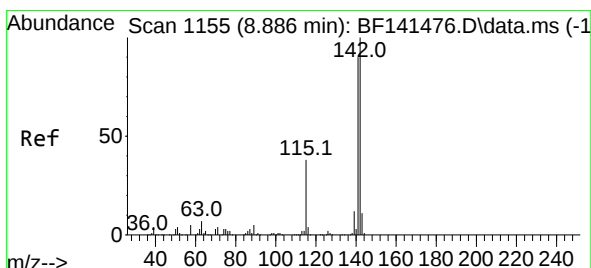
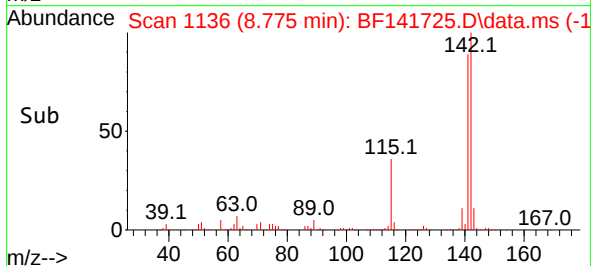
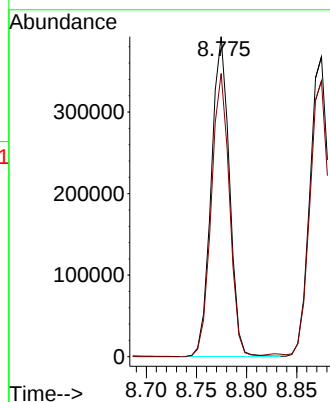
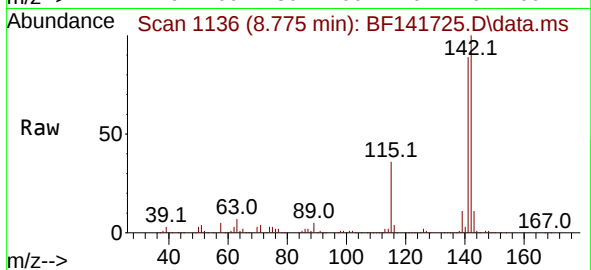
SOIL-COMPMS

Tgt Ion:142 Resp: 494568

Ion Ratio Lower Upper

142 100

141 88.5 71.2 106.8



#38

1-Methylnaphthalene

Concen: 40.617 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.012 min

Lab File: BF141725.D

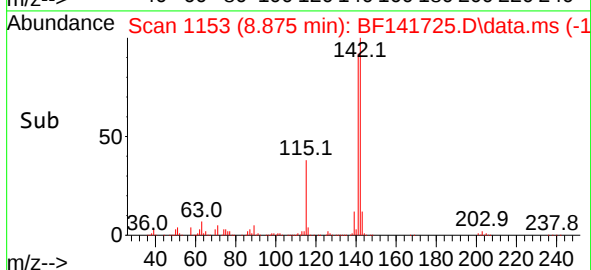
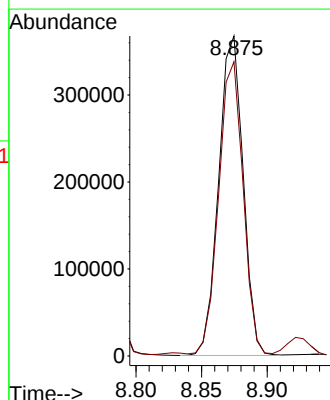
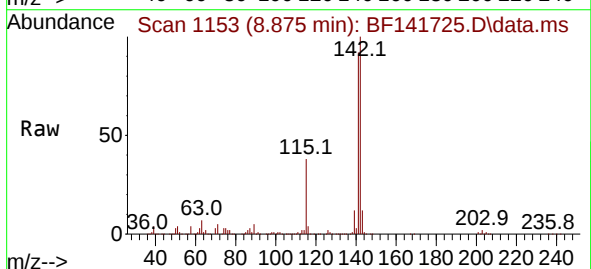
Acq: 21 Feb 2025 17:45

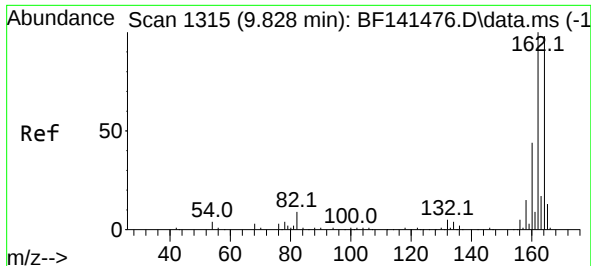
Tgt Ion:142 Resp: 475629

Ion Ratio Lower Upper

142 100

141 92.0 72.1 108.1

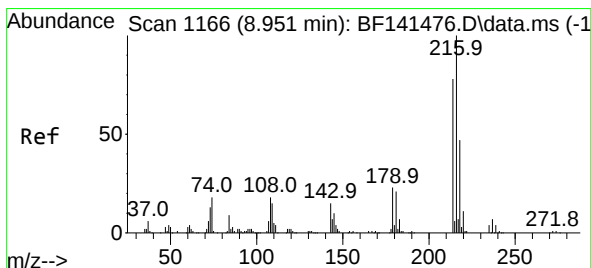
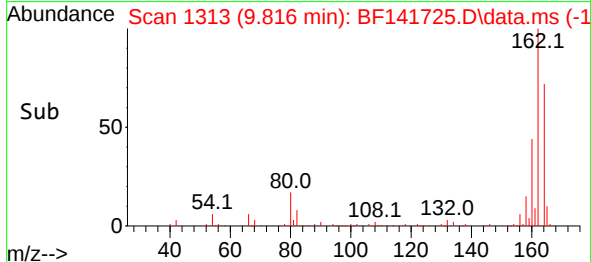
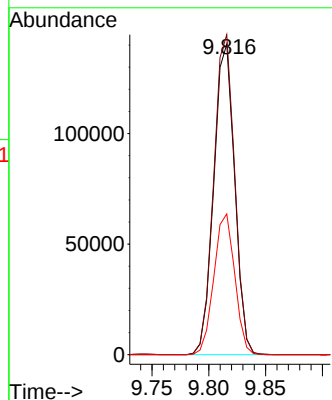
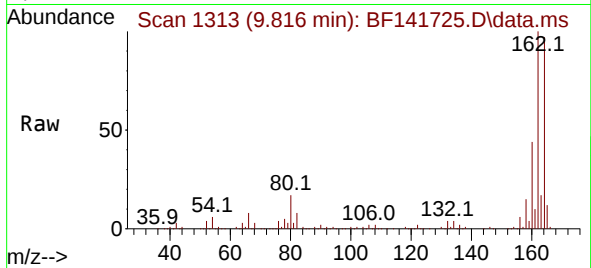




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1164
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

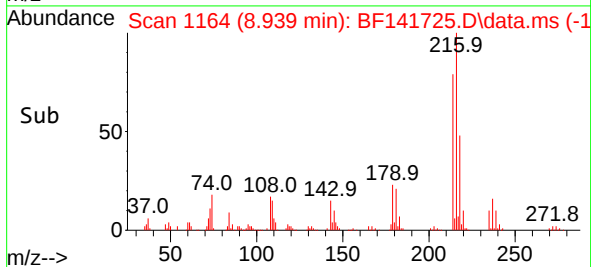
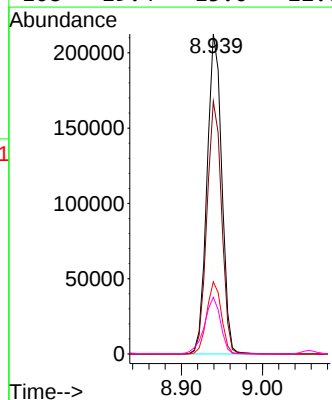
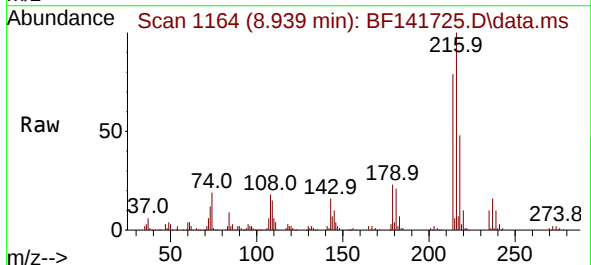
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

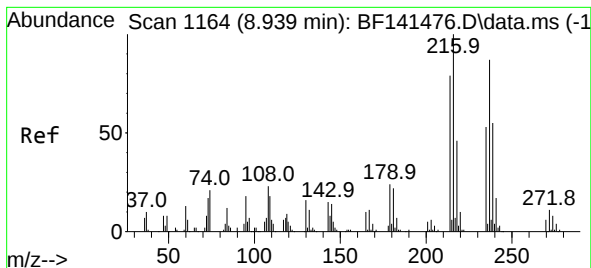
Tgt Ion:164 Resp: 179460
Ion Ratio Lower Upper
164 100
162 103.1 81.3 121.9
160 45.3 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.451 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:216 Resp: 267134
Ion Ratio Lower Upper
216 100
214 78.7 62.3 93.5
179 22.4 18.0 27.0
108 19.4 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 124.280 ng

RT: 8.928 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF141725.D

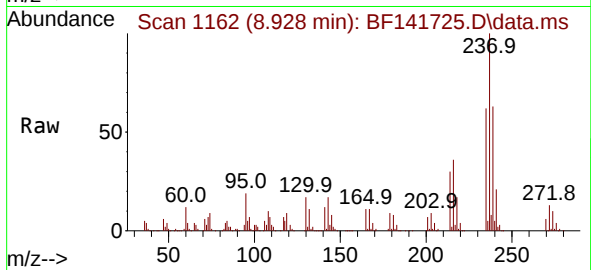
Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

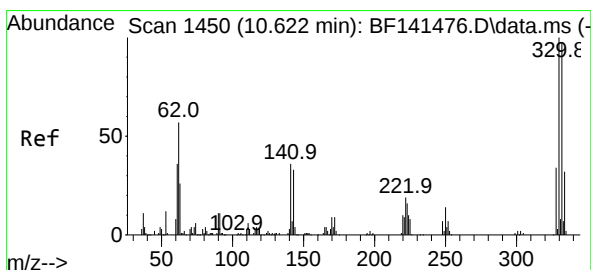
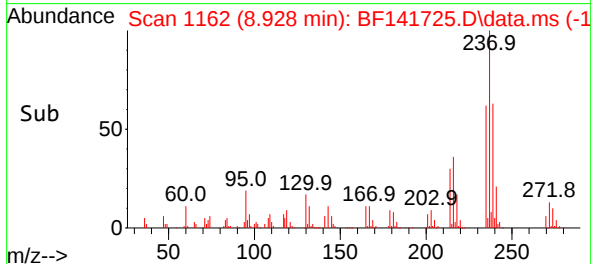
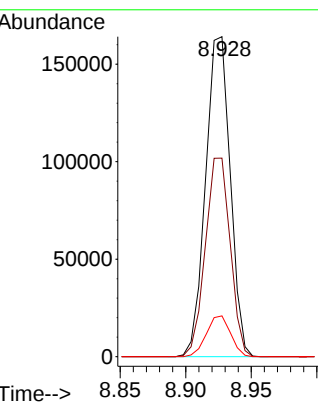
ClientSampleId :

SOIL-COMPMS



Tgt Ion:237 Resp: 214619

Ion	Ratio	Lower	Upper
237	100		
235	62.1	41.4	81.4
272	12.7	0.0	32.4



#42

2,4,6-Tribromophenol

Concen: 96.770 ng

RT: 10.604 min Scan# 1447

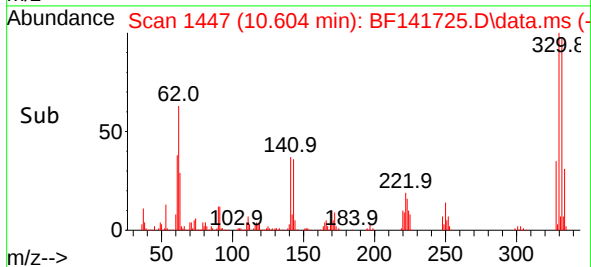
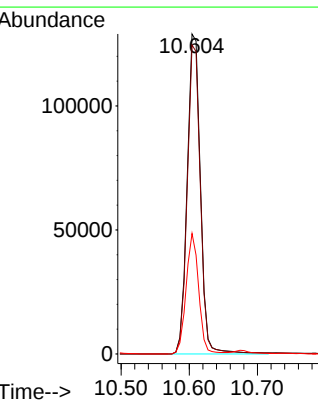
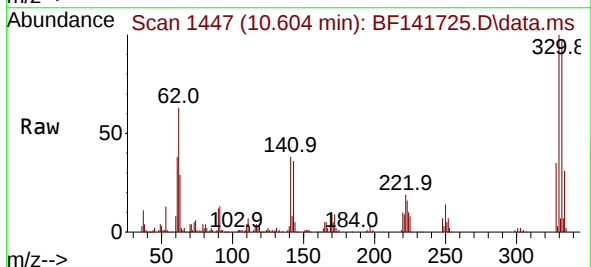
Delta R.T. -0.023 min

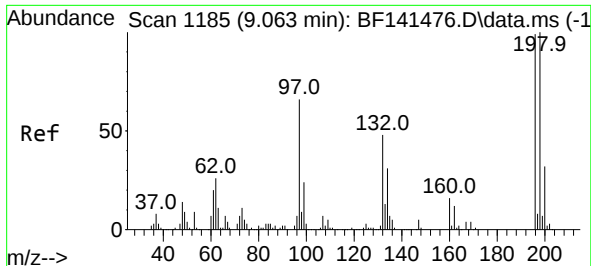
Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Tgt Ion:330 Resp: 174452

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.5	117.7
141	35.7	31.0	46.4

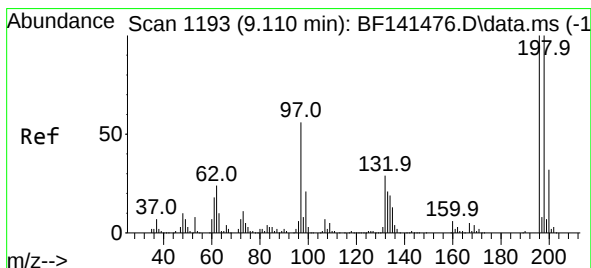
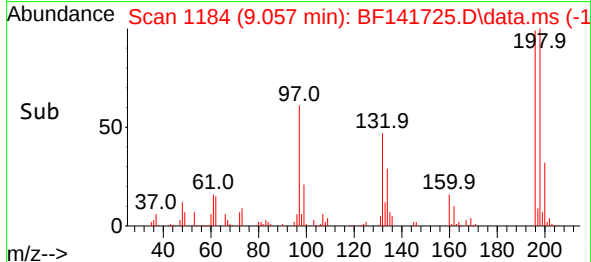
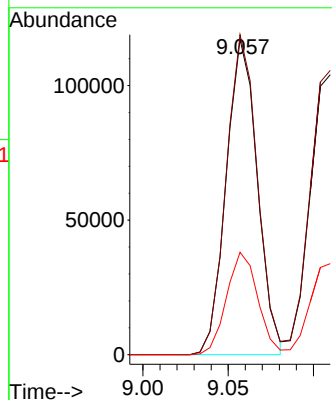
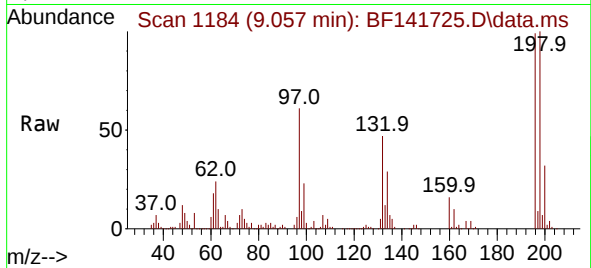




#43
2,4,6-Trichlorophenol
Concen: 44.392 ng
RT: 9.057 min Scan# 1184
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

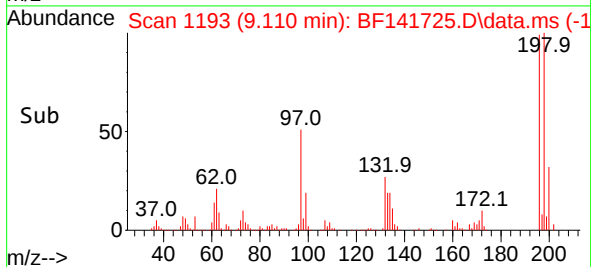
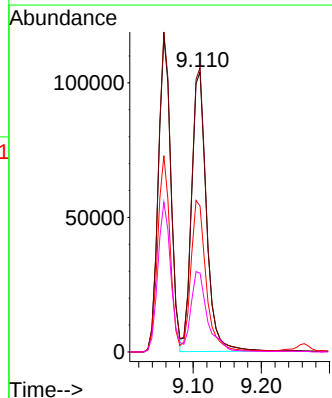
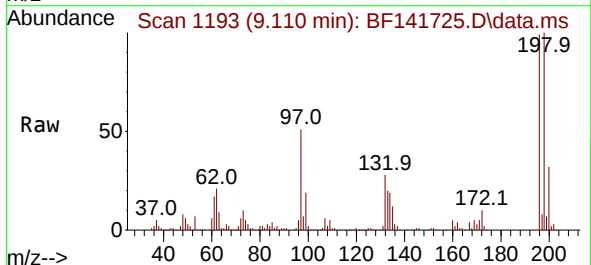
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

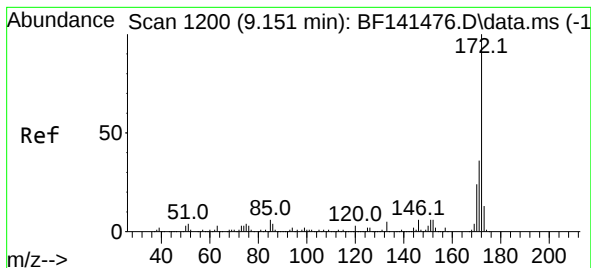
Tgt Ion:196 Resp: 148966
Ion Ratio Lower Upper
196 100
198 101.5 80.6 121.0
200 32.5 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 43.102 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:196 Resp: 156751
Ion Ratio Lower Upper
196 100
198 101.5 79.8 119.8
97 52.1 44.8 67.2
132 28.2 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 77.846 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

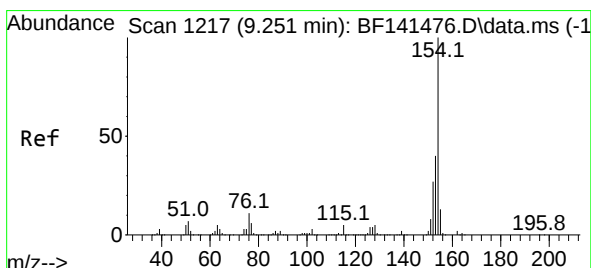
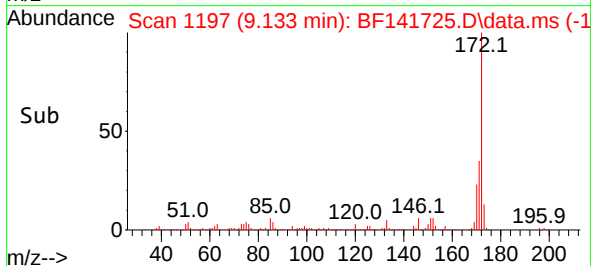
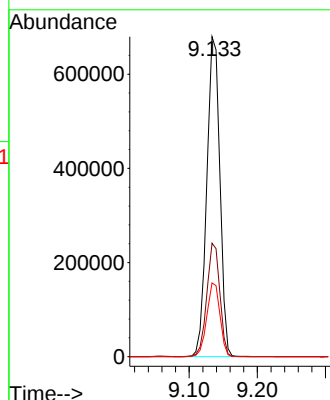
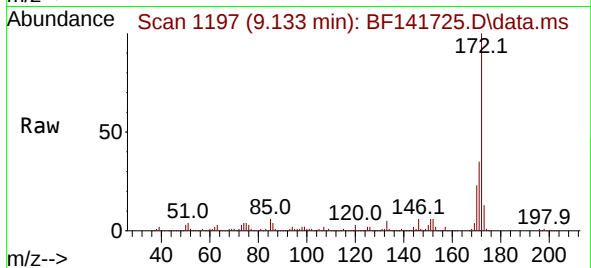
Tgt Ion:172 Resp: 906784

Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.1 18.9 28.3



#46

1,1'-Biphenyl

Concen: 50.658 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

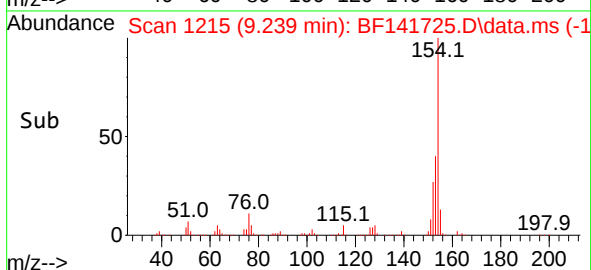
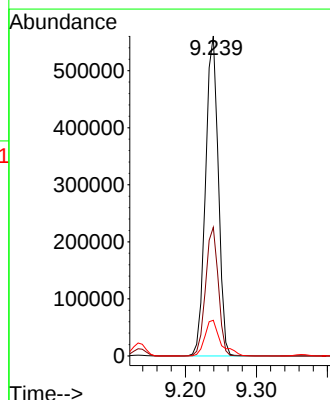
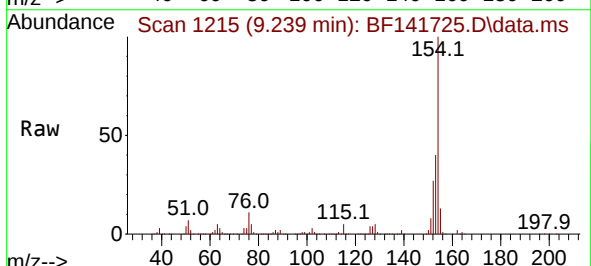
Tgt Ion:154 Resp: 704815

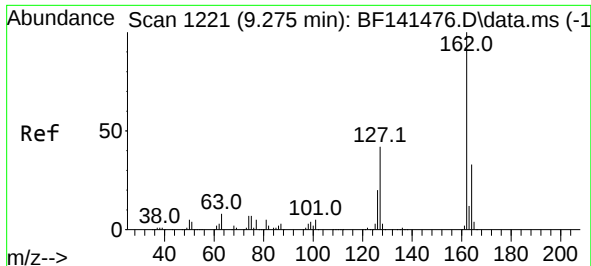
Ion Ratio Lower Upper

154 100

153 40.2 20.4 60.4

76 11.2 0.0 30.8

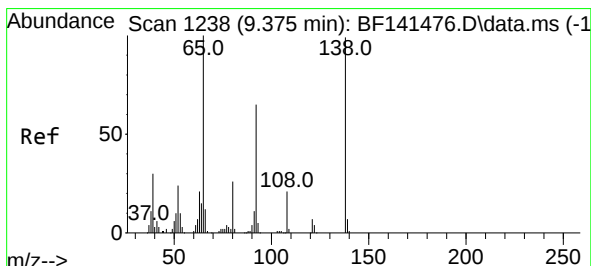
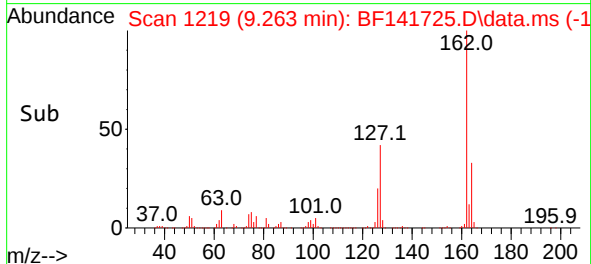
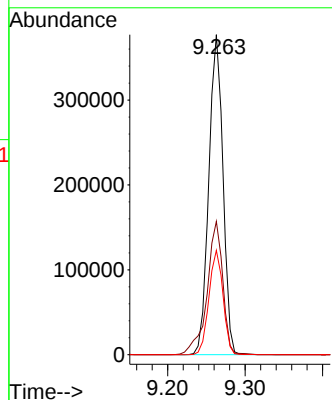
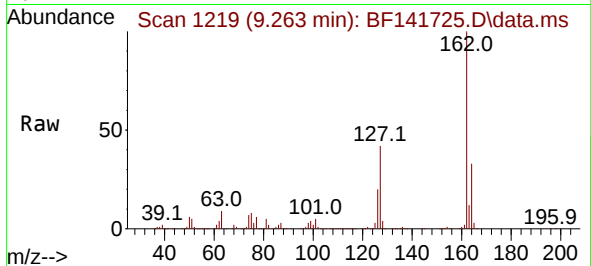




#47
2-Chloronaphthalene
Concen: 46.427 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

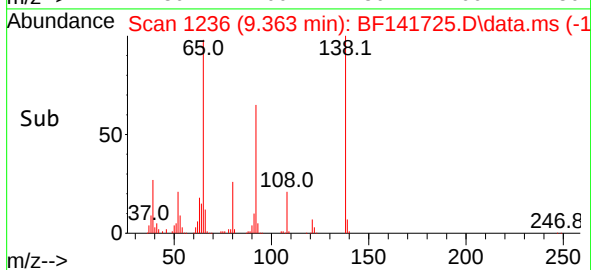
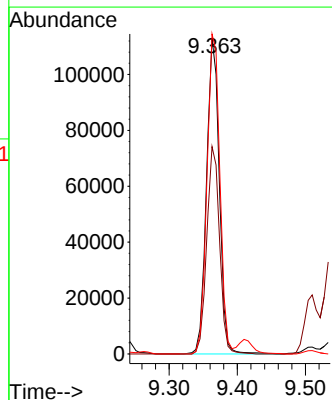
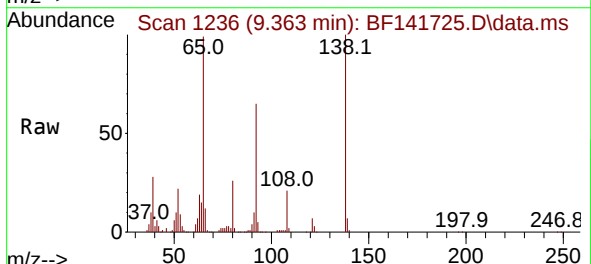
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

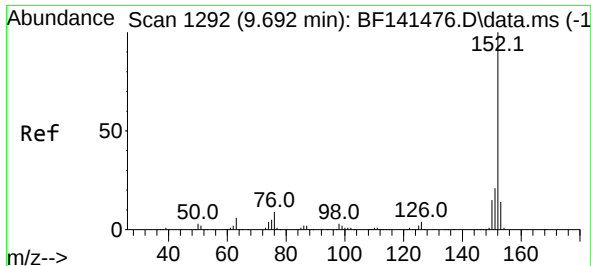
Tgt Ion:162 Resp: 477661
Ion Ratio Lower Upper
162 100
127 41.6 34.1 51.1
164 32.6 26.3 39.5



#48
2-Nitroaniline
Concen: 42.683 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion: 65 Resp: 147377
Ion Ratio Lower Upper
65 100
92 65.7 52.2 78.2
138 101.4 79.5 119.3

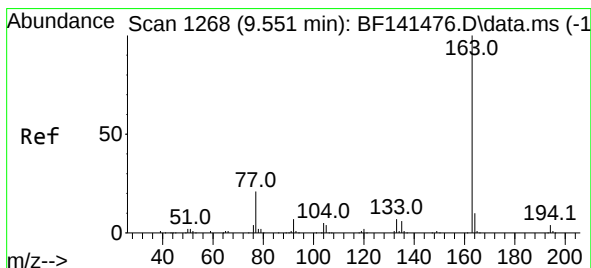
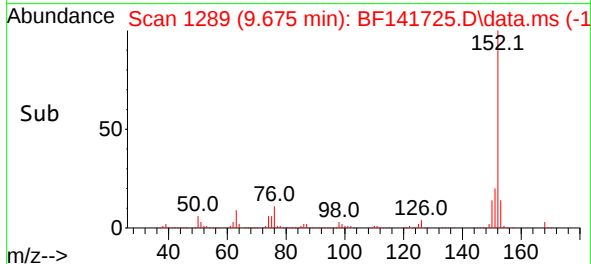
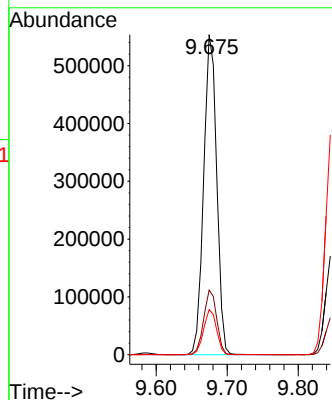
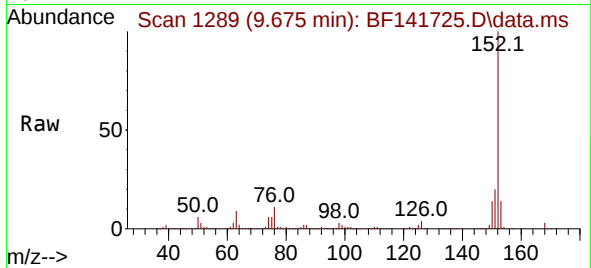




#49
Acenaphthylene
Concen: 46.287 ng
RT: 9.675 min Scan# 1289
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

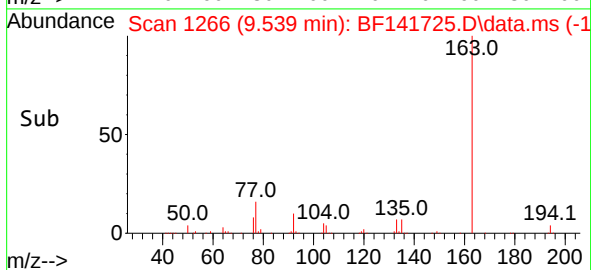
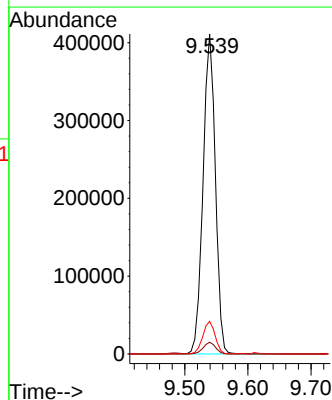
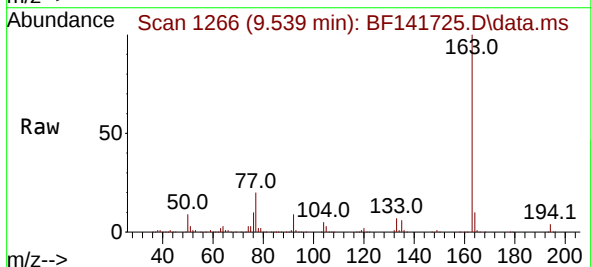
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

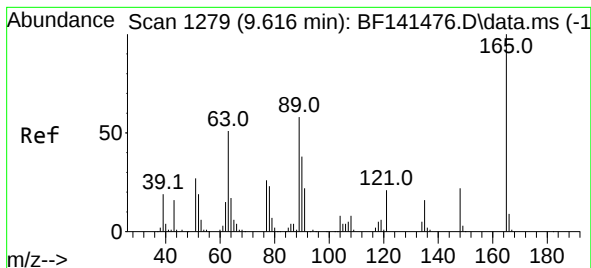
Tgt Ion:152 Resp: 708325
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 14.1 10.9 16.3



#50
Dimethylphthalate
Concen: 45.855 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:163 Resp: 558653
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.2 7.9 11.9

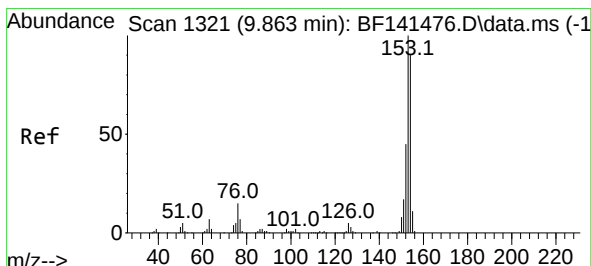
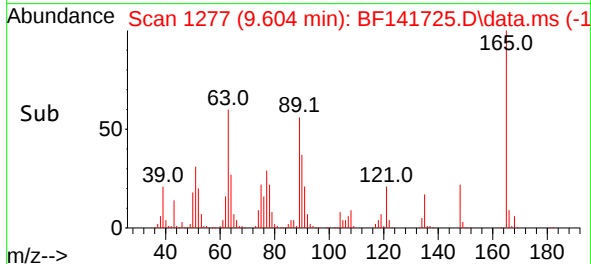
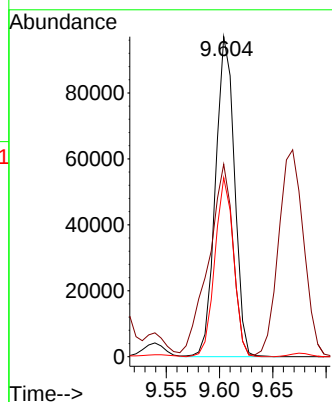
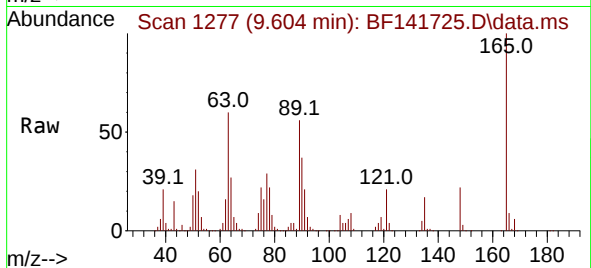




#51
2,6-Dinitrotoluene
Concen: 45.072 ng
RT: 9.604 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

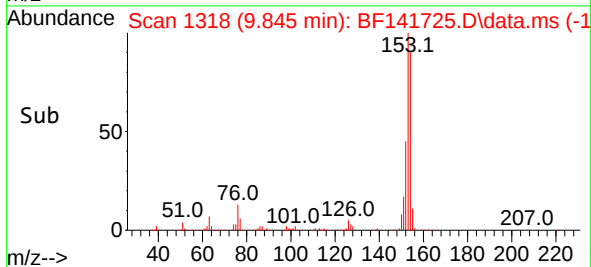
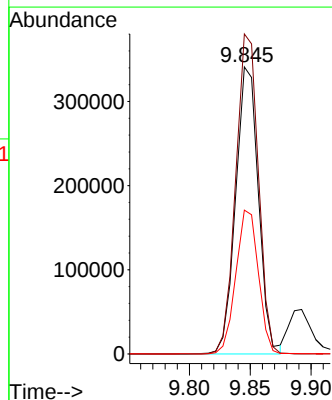
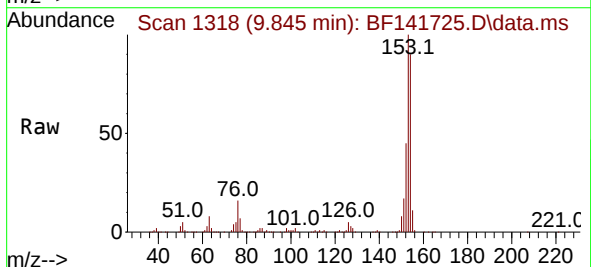
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

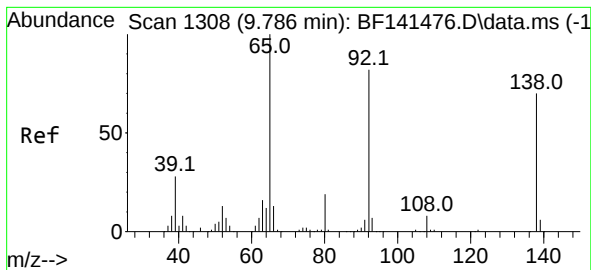
Tgt Ion:165 Resp: 120041
Ion Ratio Lower Upper
165 100
63 60.1 49.4 74.0
89 55.9 46.5 69.7



#52
Acenaphthene
Concen: 43.109 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:154 Resp: 443504
Ion Ratio Lower Upper
154 100
153 111.5 89.2 133.8
152 50.1 39.8 59.8





#53

3-Nitroaniline

Concen: 21.905 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

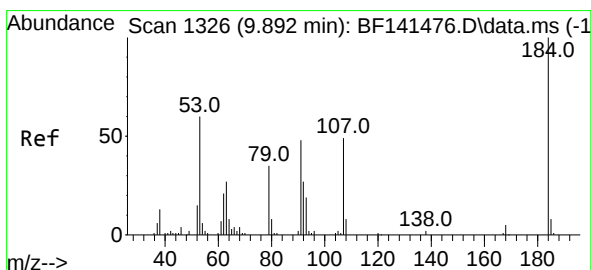
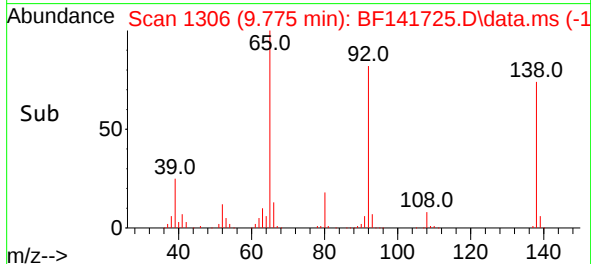
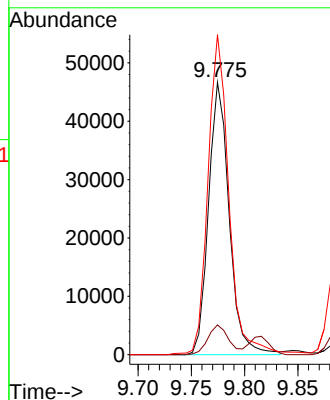
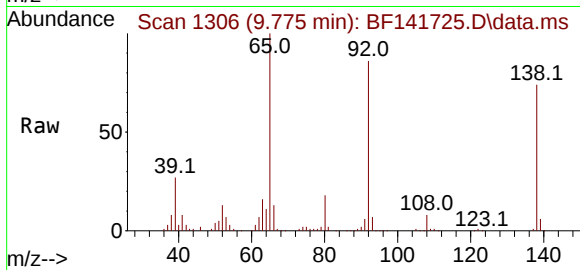
Tgt Ion:138 Resp: 62791

Ion Ratio Lower Upper

138 100

108 10.9 9.0 13.4

92 117.5 93.7 140.5



#54

2,4-Dinitrophenol

Concen: 71.833 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

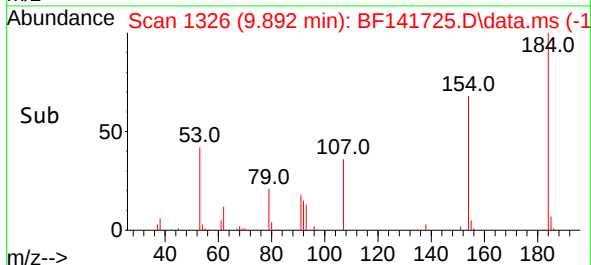
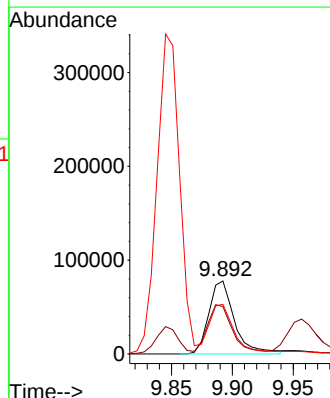
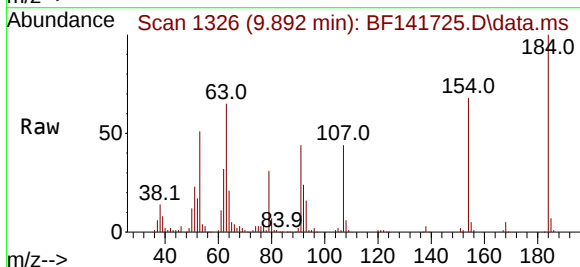
Tgt Ion:184 Resp: 113703

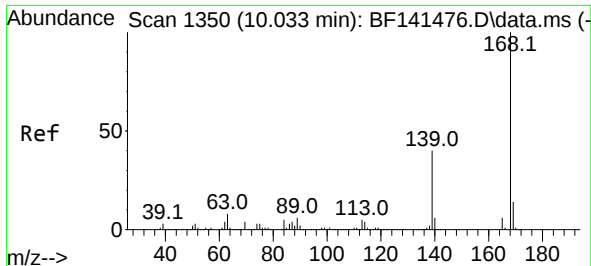
Ion Ratio Lower Upper

184 100

63 64.9 61.0 91.6

154 68.0 59.9 89.9

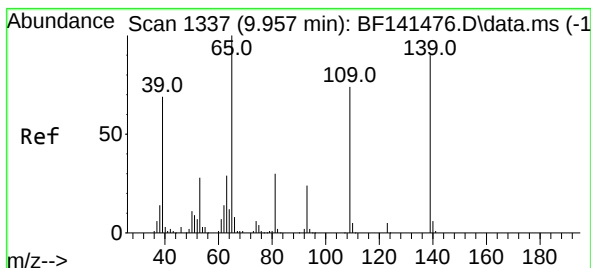
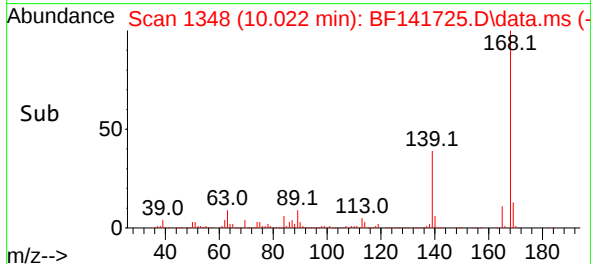
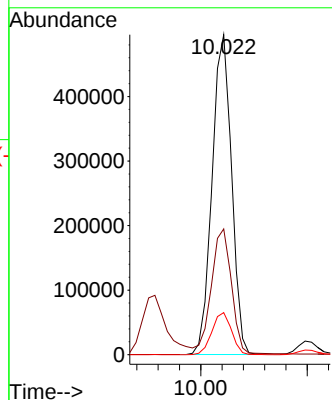
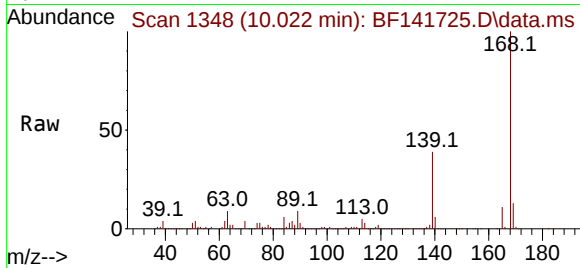




#55
Dibenzofuran
Concen: 41.589 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

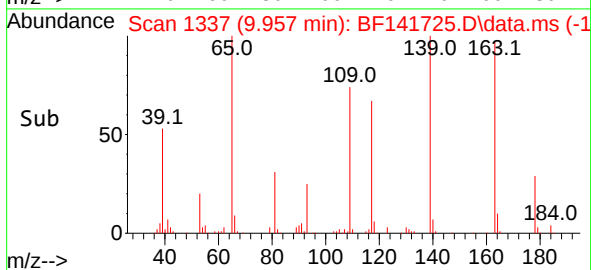
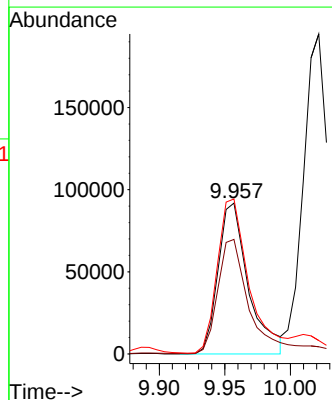
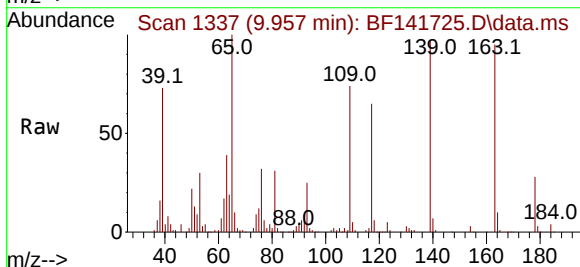
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

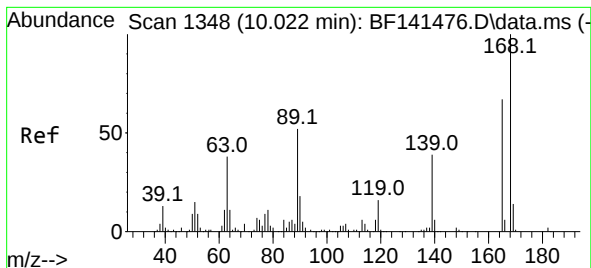
Tgt Ion:168 Resp: 628029
Ion Ratio Lower Upper
168 100
139 39.3 32.7 49.1
169 13.2 10.8 16.2



#56
4-Nitrophenol
Concen: 69.136 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:139 Resp: 147116
Ion Ratio Lower Upper
139 100
109 75.9 62.0 102.0
65 102.7 91.2 131.2

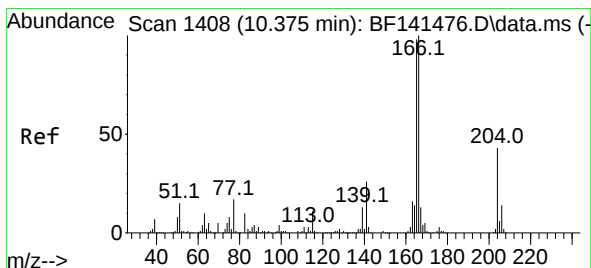
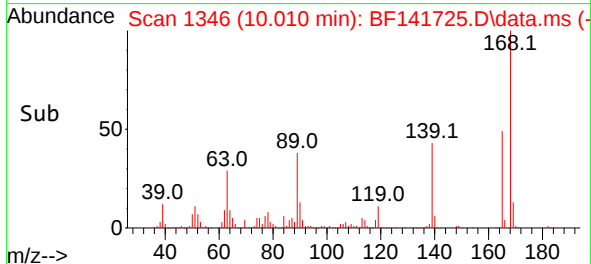
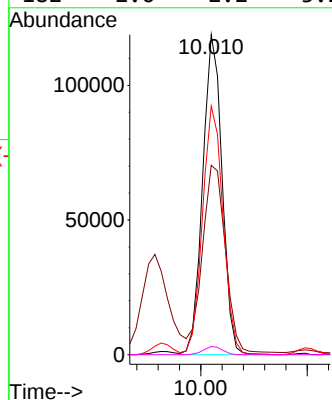
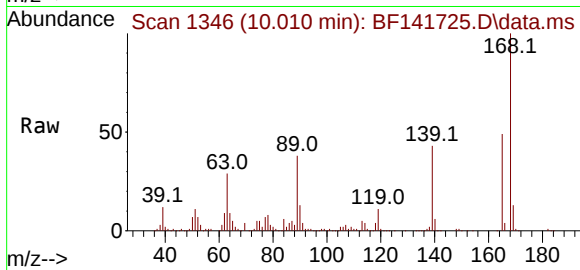




#57
2,4-Dinitrotoluene
Concen: 42.364 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

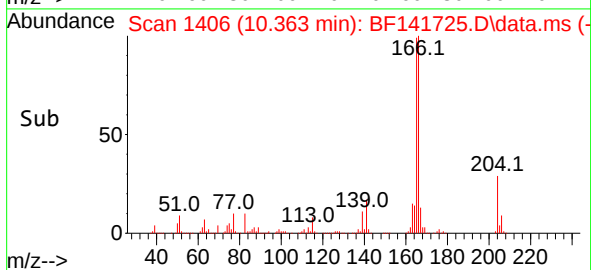
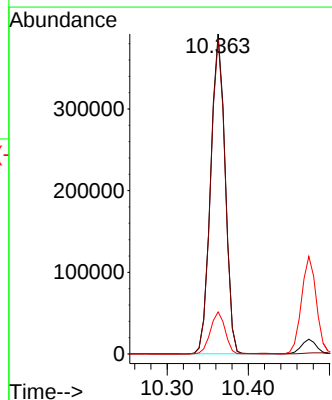
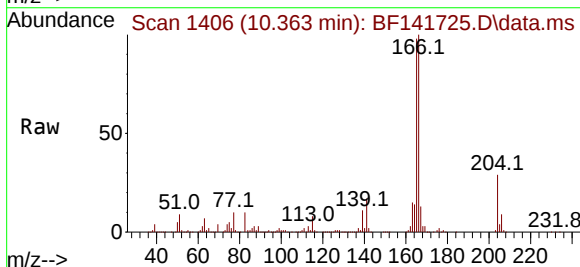
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

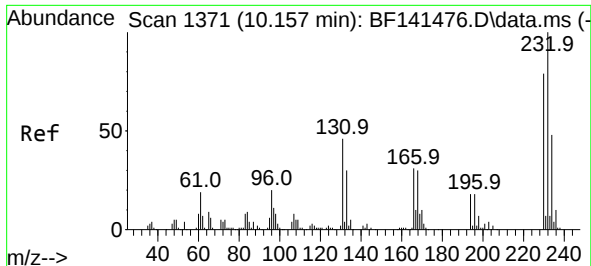
Tgt Ion:165 Resp: 150202
Ion Ratio Lower Upper
165 100
63 59.2 46.4 69.6
89 77.7 61.8 92.6
182 2.6 2.2 3.2



#58
Fluorene
Concen: 41.514 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:166 Resp: 484714
Ion Ratio Lower Upper
166 100
165 98.4 78.2 117.2
167 13.1 10.7 16.1

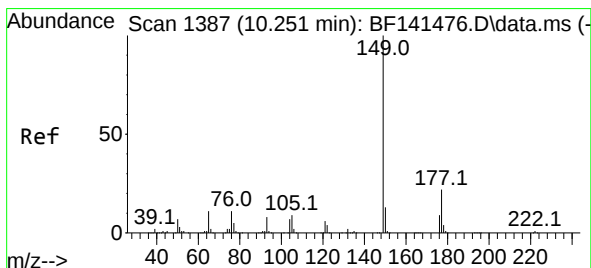
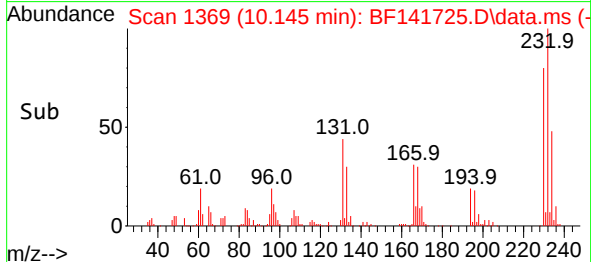
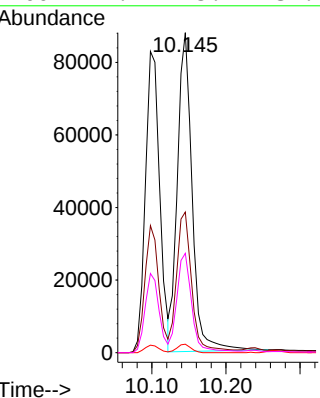
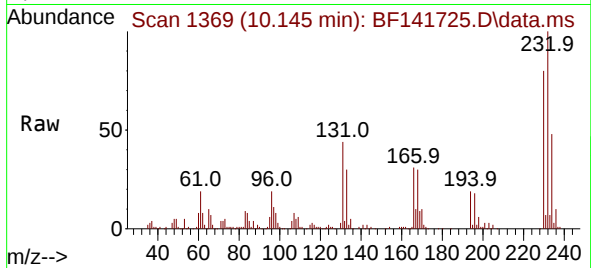




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.893 ng
RT: 10.145 min Scan# 1369
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

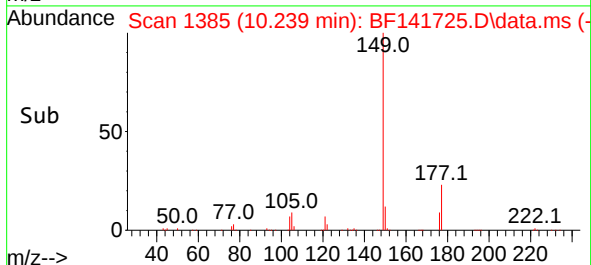
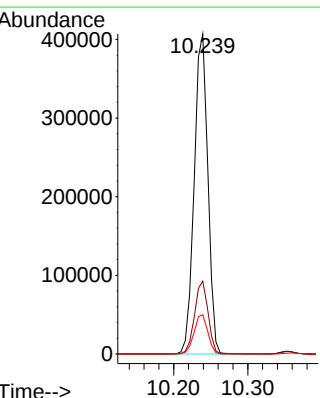
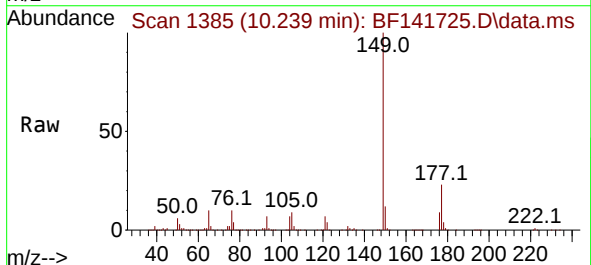
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

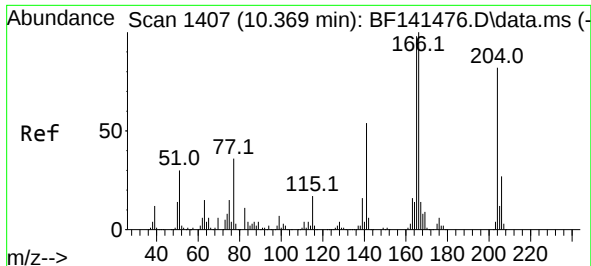
Tgt Ion:232 Resp: 121775
Ion Ratio Lower Upper
232 100
131 43.4 39.2 58.8
130 2.5 2.1 3.1
166 29.9 25.1 37.7



#60
Diethylphthalate
Concen: 43.434 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:149 Resp: 520629
Ion Ratio Lower Upper
149 100
177 22.8 17.8 26.6
150 12.3 10.1 15.1

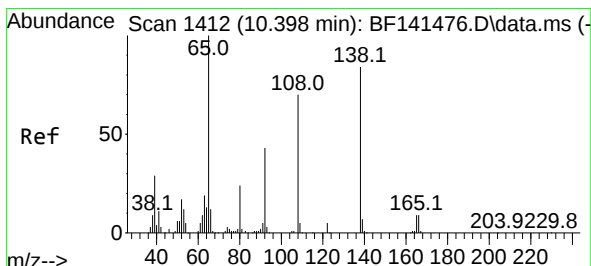
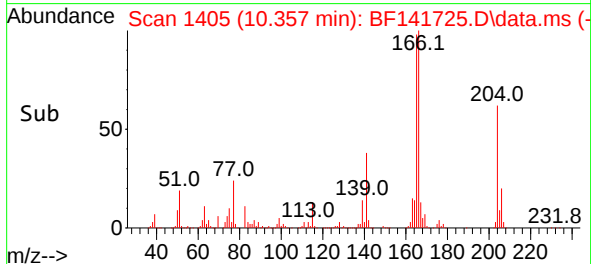
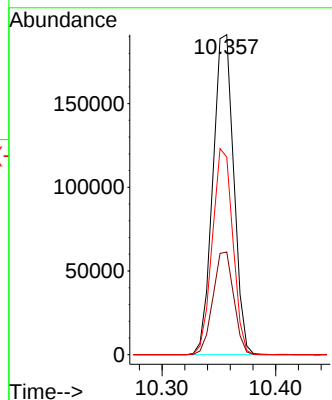
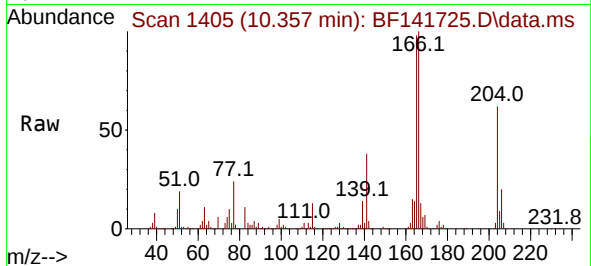




#61
4-Chlorophenyl-phenylether
Concen: 43.492 ng
RT: 10.357 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

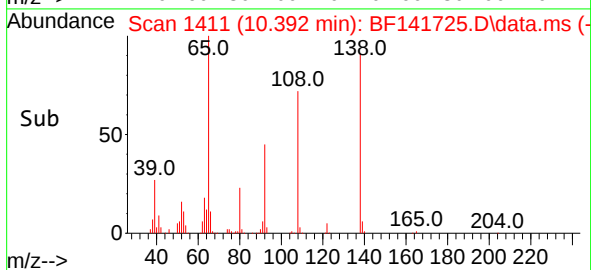
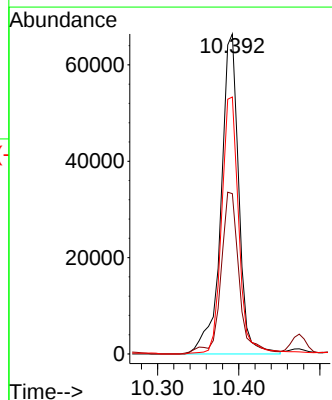
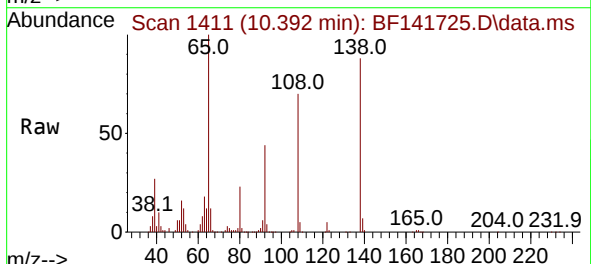
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

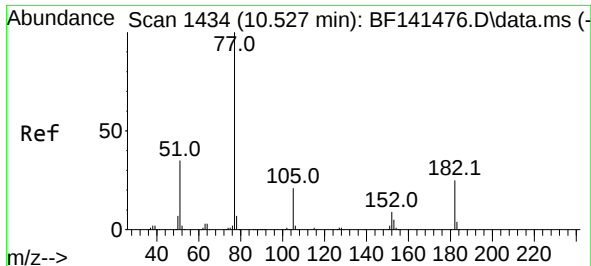
Tgt Ion:204 Resp: 244303
Ion Ratio Lower Upper
204 100
206 32.1 26.6 40.0
141 61.7 51.9 77.9



#62
4-Nitroaniline
Concen: 34.789 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:138 Resp: 101261
Ion Ratio Lower Upper
138 100
92 50.1 31.3 71.3
108 80.3 63.7 103.7

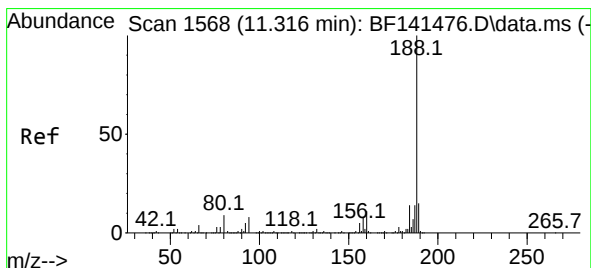
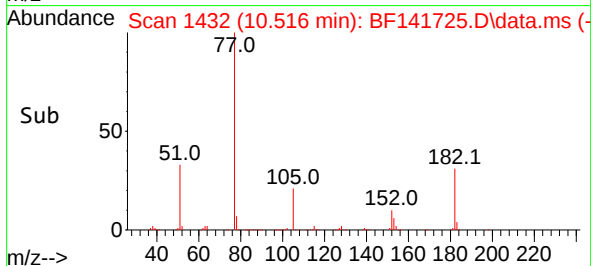
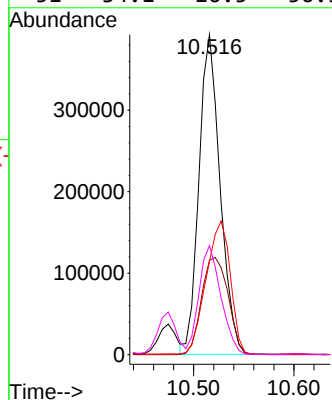
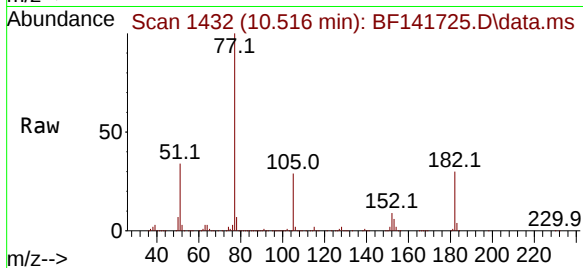




#63
Azobenzene
Concen: 48.374 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

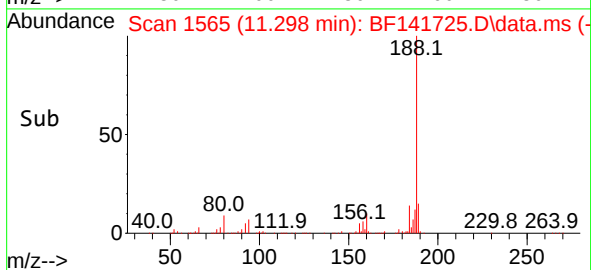
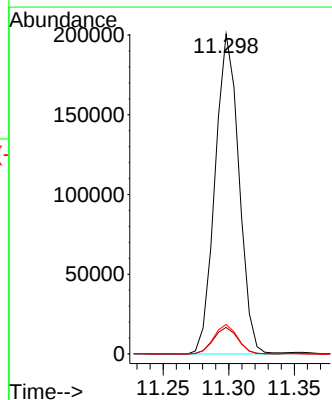
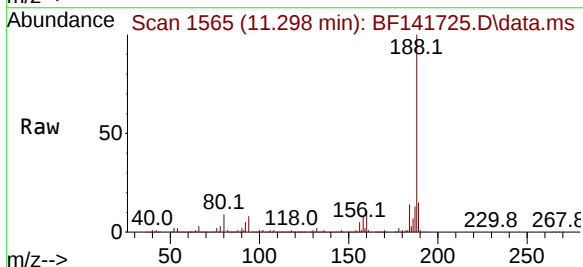
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

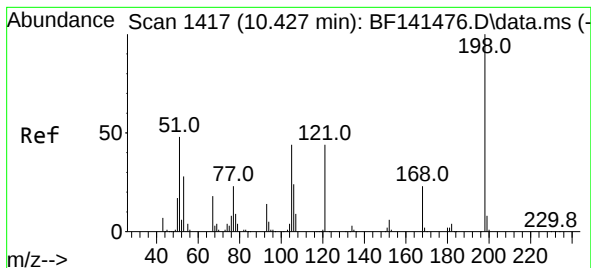
Tgt Ion:	77	Resp:	576437
Ion	Ratio	Lower	Upper
77	100		
182	29.5	4.7	44.7
105	29.2	0.4	40.4
51	34.1	16.5	56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:	188	Resp:	253875
Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.2	7.3	10.9

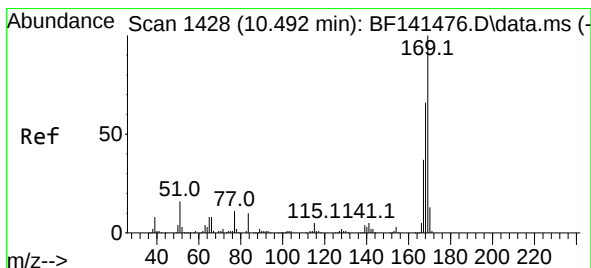
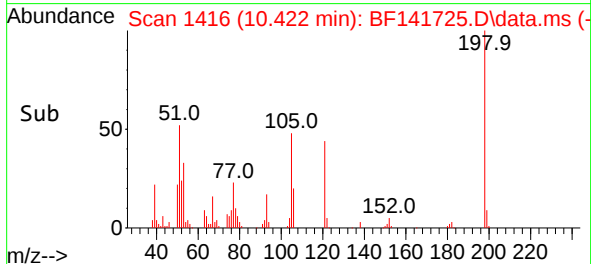
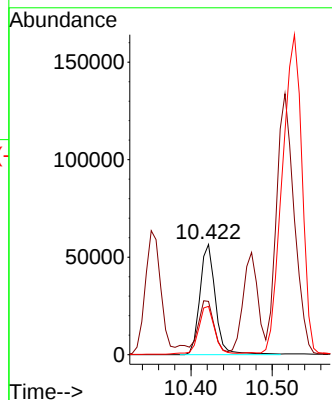
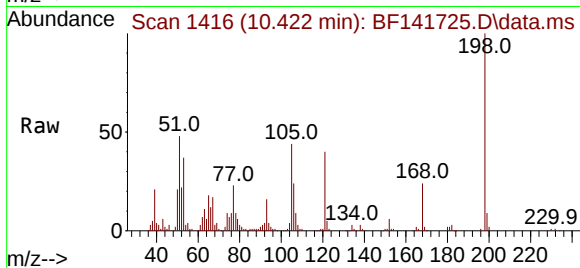




#65
4,6-Dinitro-2-methylphenol
Concen: 42.706 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

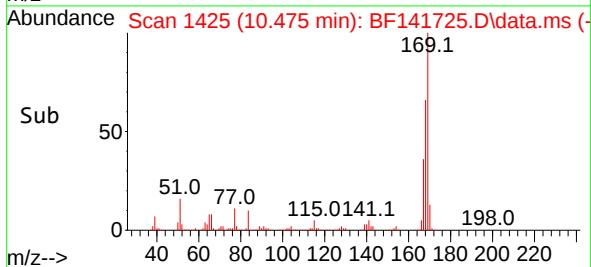
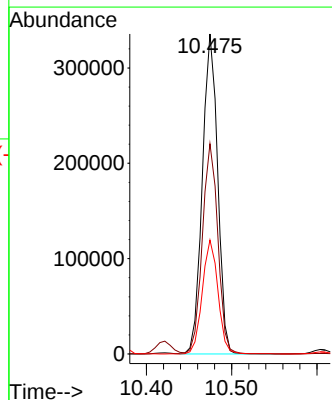
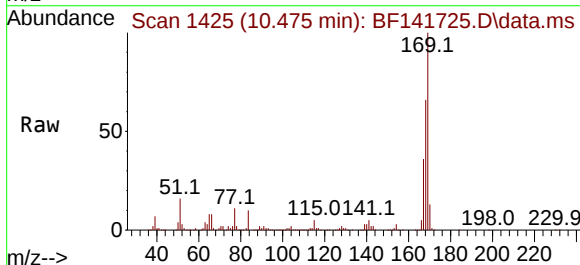
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

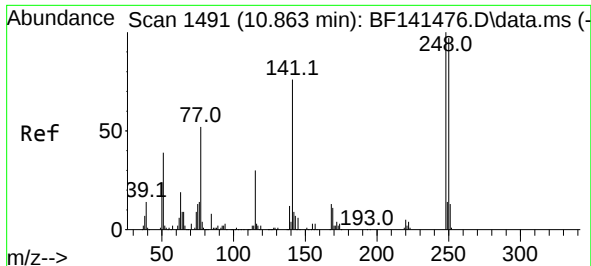
Tgt Ion:198 Resp: 75314
Ion Ratio Lower Upper
198 100
51 48.3 37.4 77.4
105 43.8 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 51.549 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:169 Resp: 418931
Ion Ratio Lower Upper
169 100
168 65.7 53.3 79.9
167 35.6 29.4 44.2

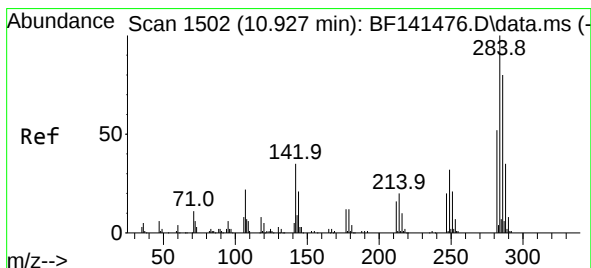
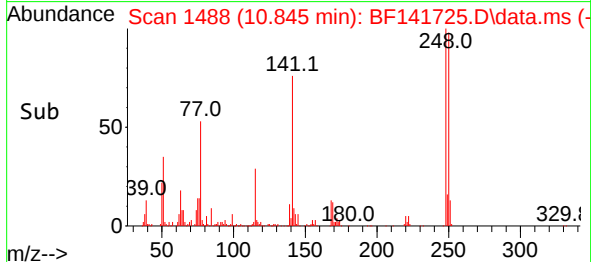
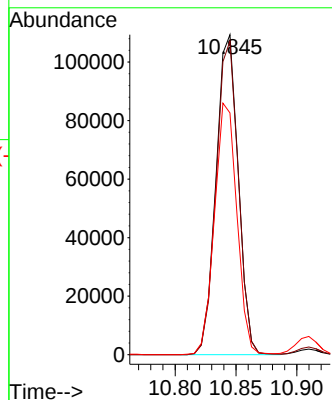
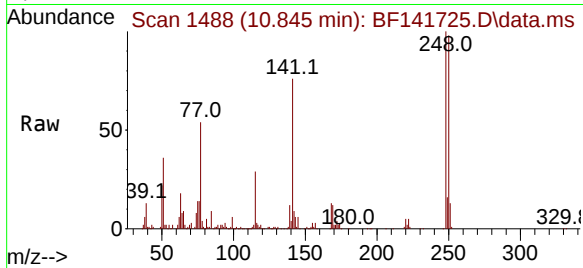




#67
4-Bromophenyl-phenylether
Concen: 49.033 ng
RT: 10.845 min Scan# 1488
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

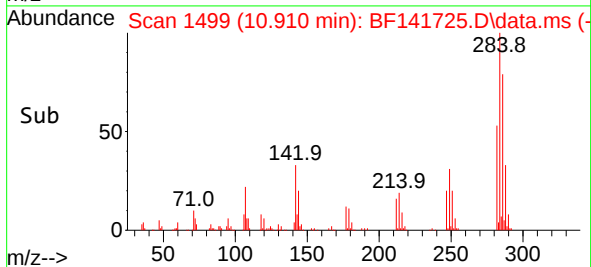
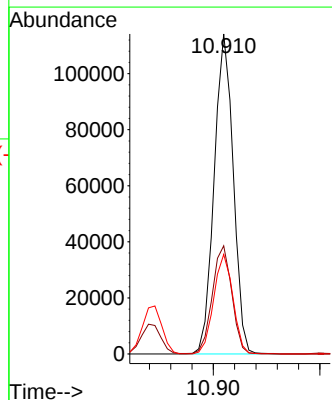
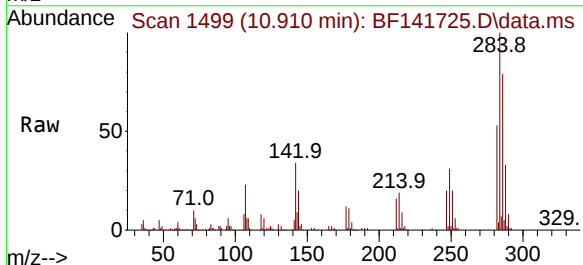
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

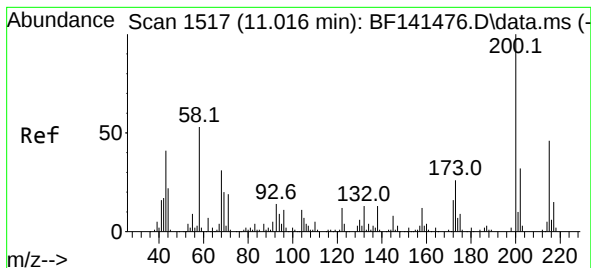
Tgt Ion:248 Resp: 139126
Ion Ratio Lower Upper
248 100
250 98.0 77.8 116.6
141 75.5 60.6 90.8



#68
Hexachlorobenzene
Concen: 48.618 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:284 Resp: 142049
Ion Ratio Lower Upper
284 100
142 33.8 28.0 42.0
249 31.1 25.8 38.8





#69

Atrazine

Concen: 60.160 ng

RT: 11.004 min Scan# 1515

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

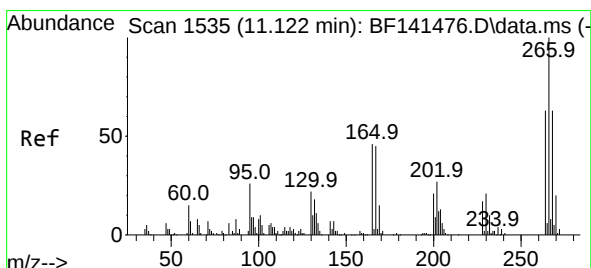
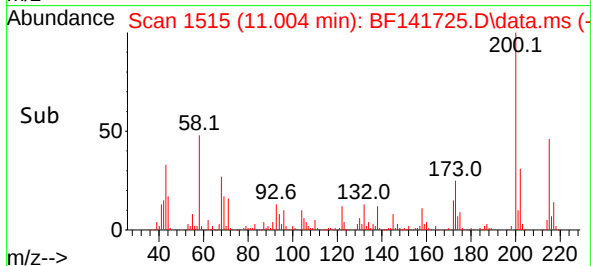
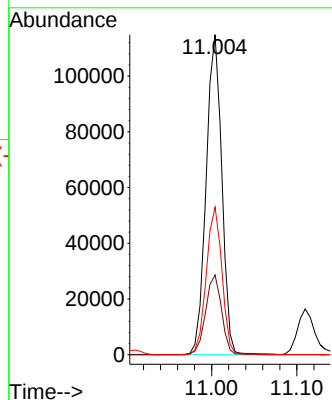
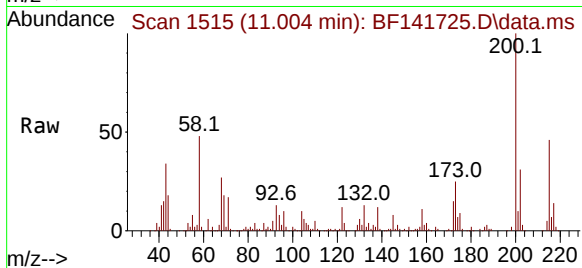
Tgt Ion:200 Resp: 146673

Ion Ratio Lower Upper

200 100

173 24.9 5.9 45.9

215 46.1 25.9 65.9



#70

Pentachlorophenol

Concen: 69.745 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

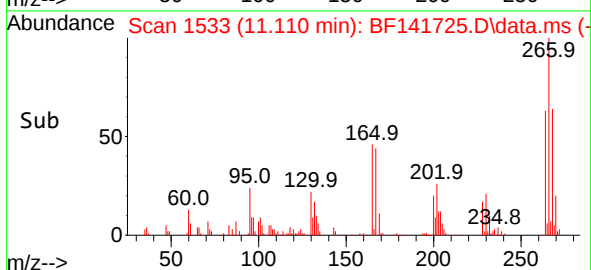
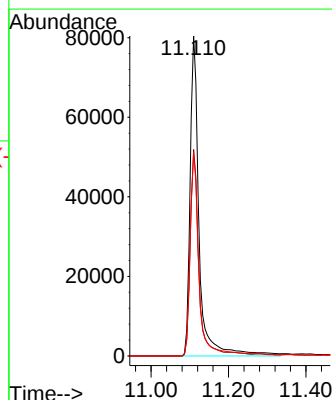
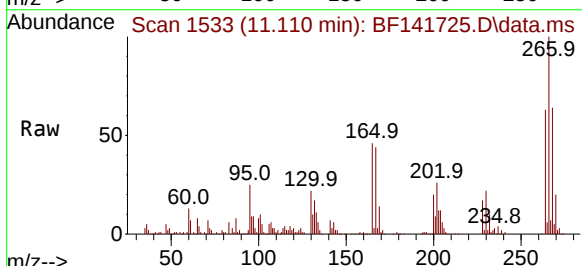
Tgt Ion:266 Resp: 130299

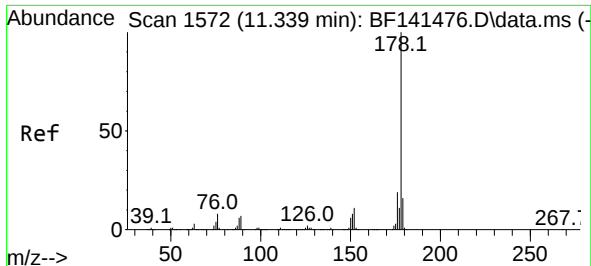
Ion Ratio Lower Upper

266 100

268 64.5 50.1 75.1

264 63.5 50.1 75.1

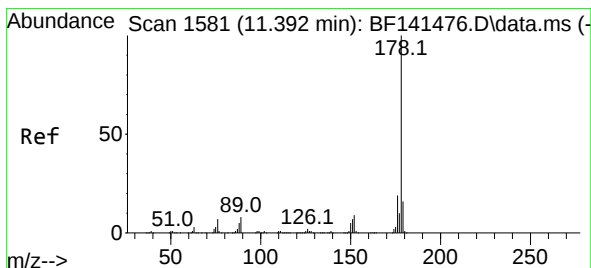
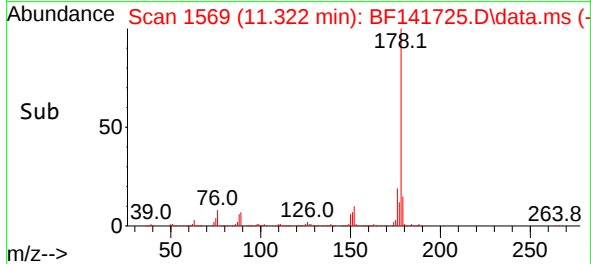
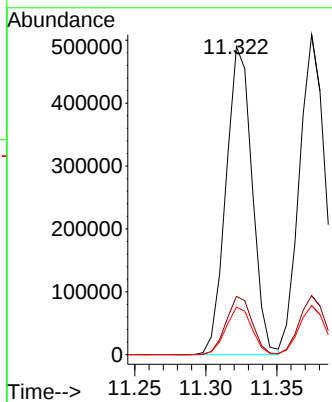
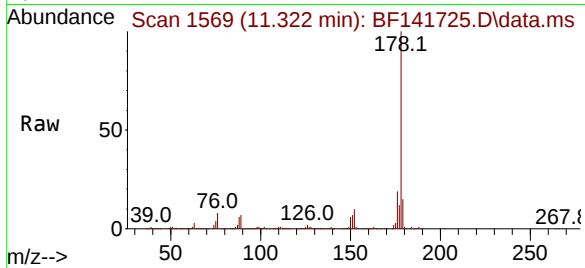




#71
Phenanthrene
Concen: 44.859 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

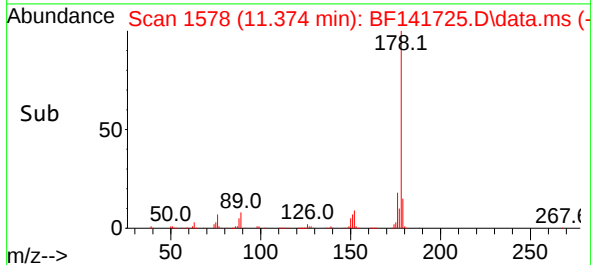
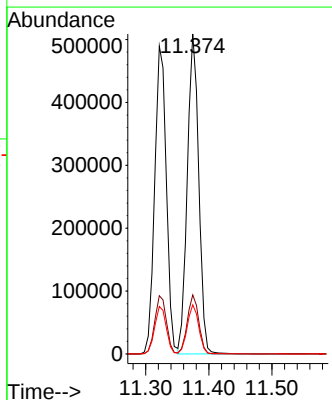
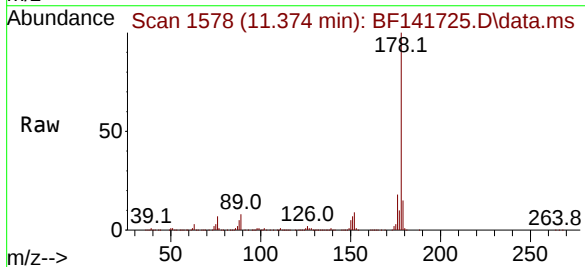
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

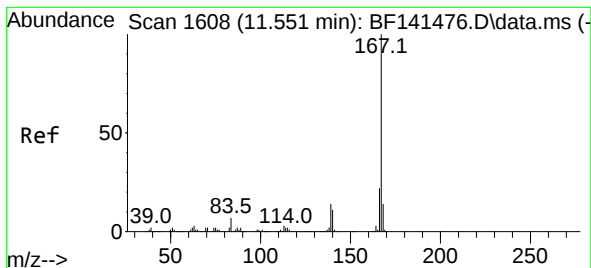
Tgt Ion:178 Resp: 626888
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 45.684 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:178 Resp: 641761
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.4 12.4 18.6





#73

Carbazole

Concen: 41.645 ng

RT: 11.533 min Scan# 1605

Delta R.T. -0.018 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

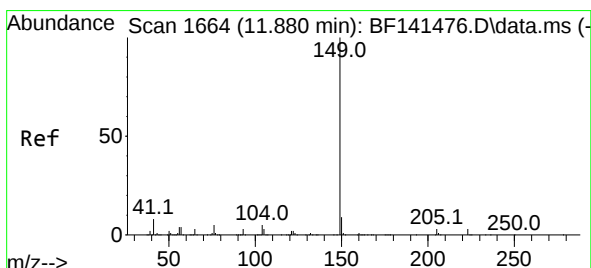
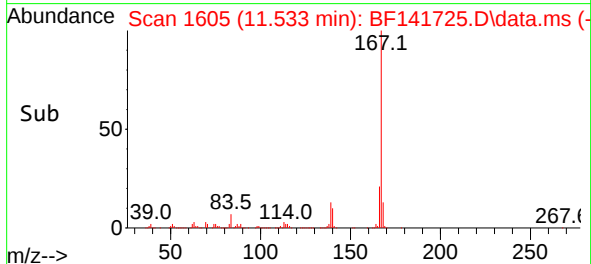
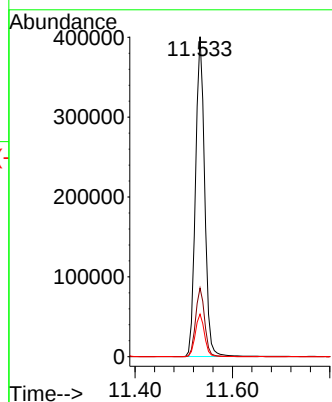
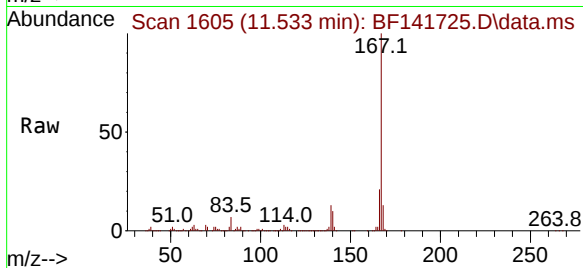
Tgt Ion:167 Resp: 526396

Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

139 13.3 10.9 16.3



#74

Di-n-butylphthalate

Concen: 45.419 ng

RT: 11.857 min Scan# 1660

Delta R.T. -0.023 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

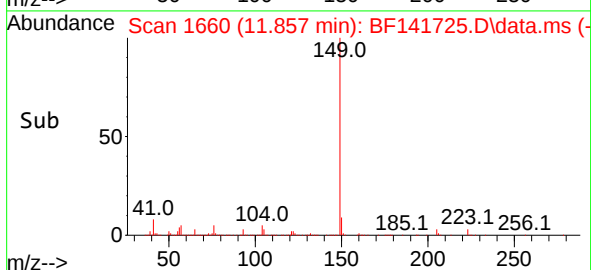
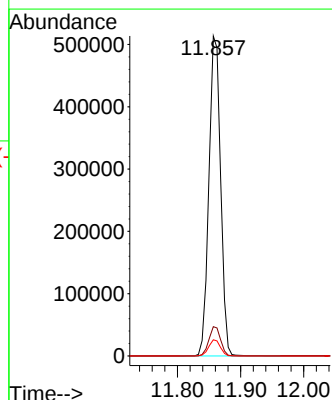
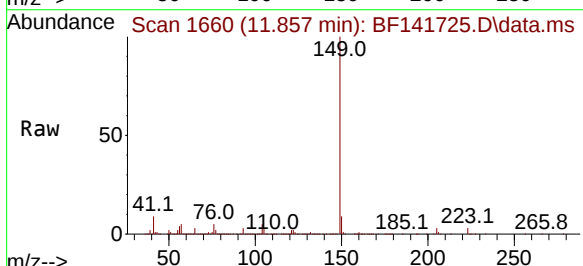
Tgt Ion:149 Resp: 662894

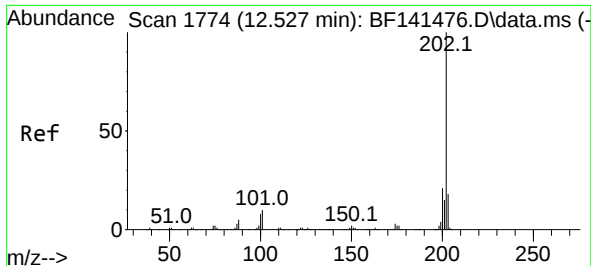
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.1 4.2 6.2

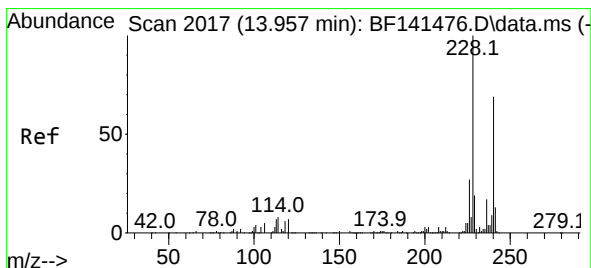
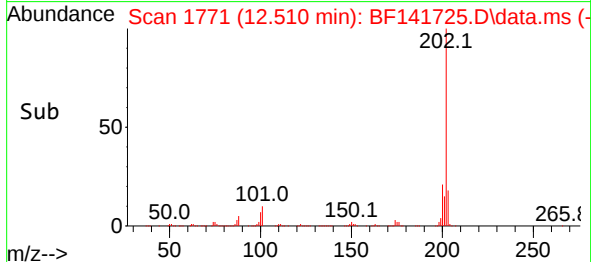
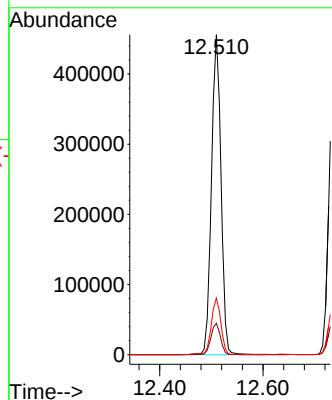
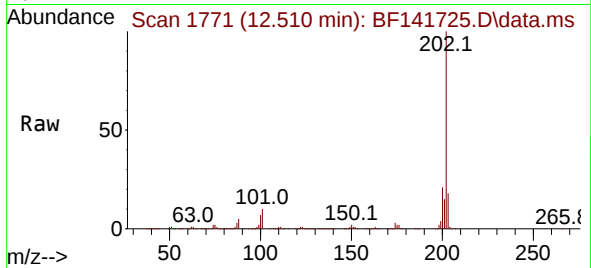




#75
Fluoranthene
Concen: 39.333 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

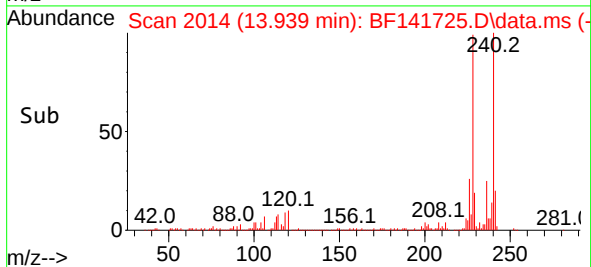
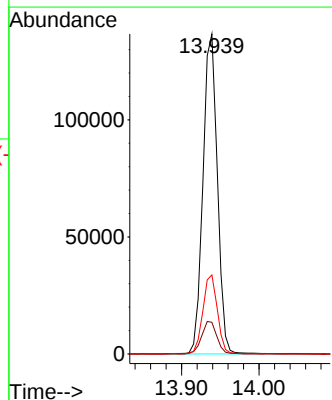
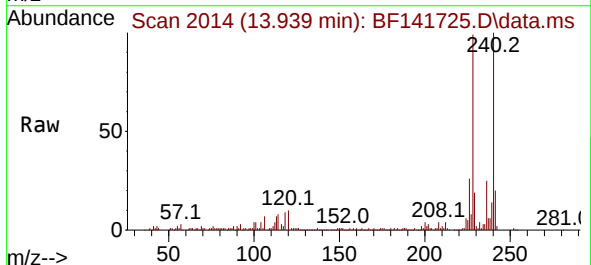
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

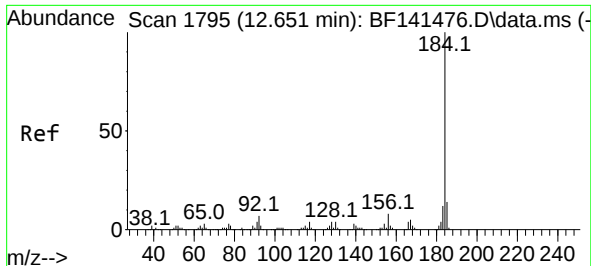
Tgt Ion:202 Resp: 582756
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:240 Resp: 176254
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 24.7 19.8 29.8

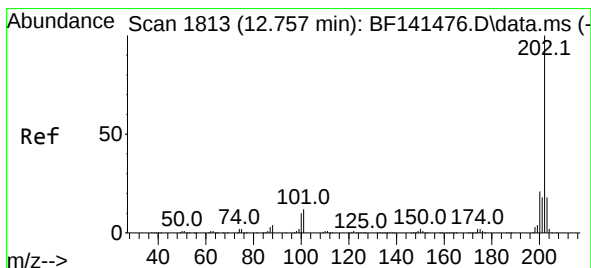
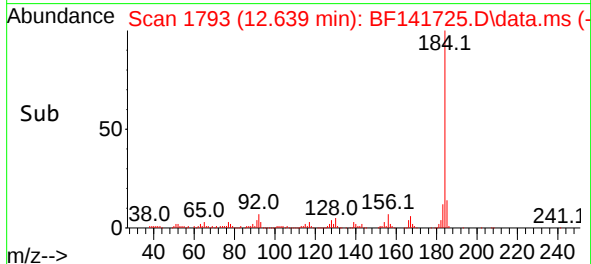
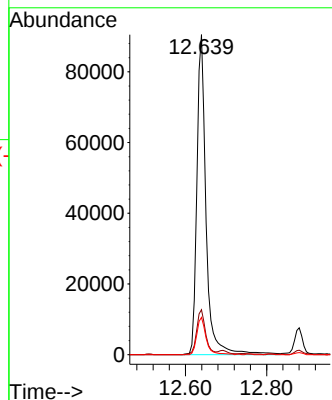
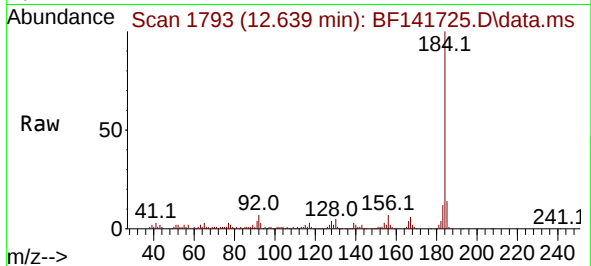




#77
Benzidine
Concen: 36.881 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

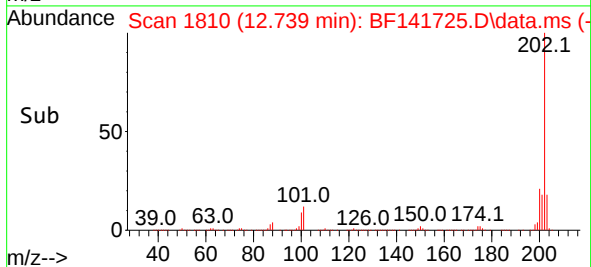
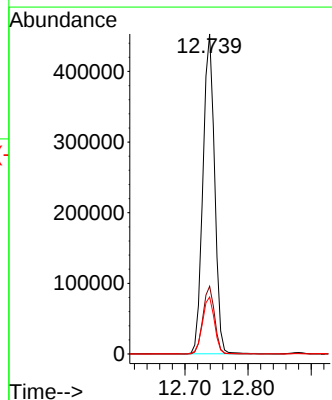
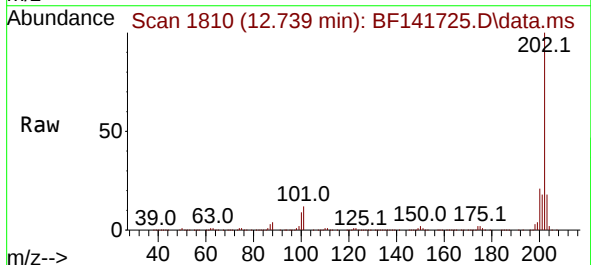
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

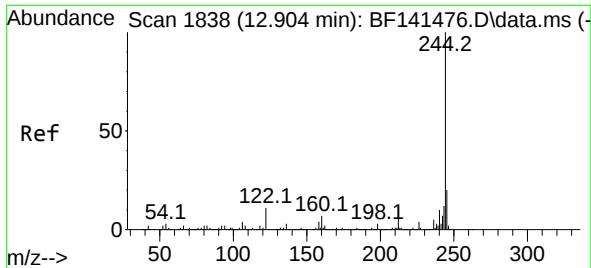
Tgt Ion:184 Resp: 143363
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 11.7 9.3 13.9



#78
Pyrene
Concen: 38.754 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:202 Resp: 581460
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.8 14.3 21.5

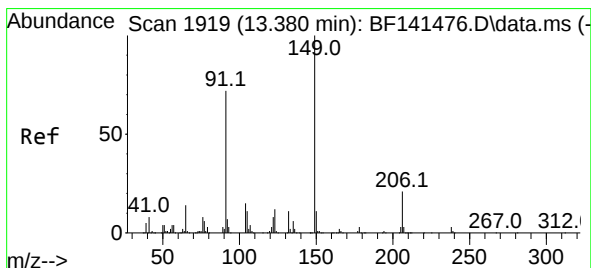
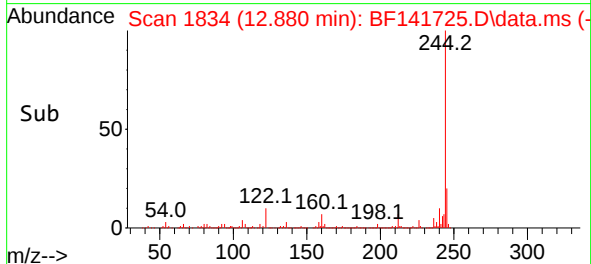
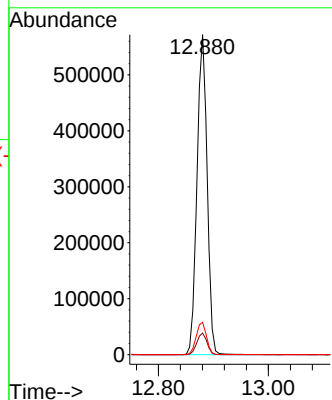
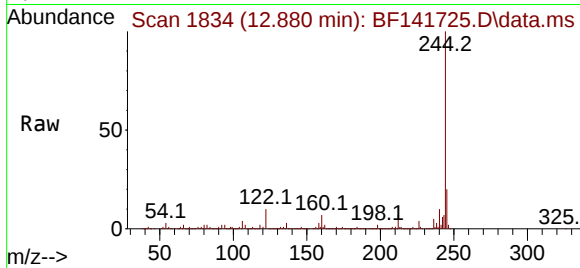




#79
 Terphenyl-d14
 Concen: 70.189 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141725.D
 Acq: 21 Feb 2025 17:45

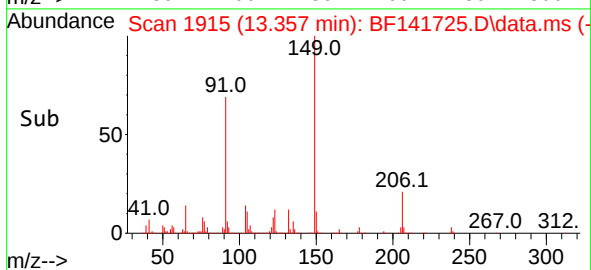
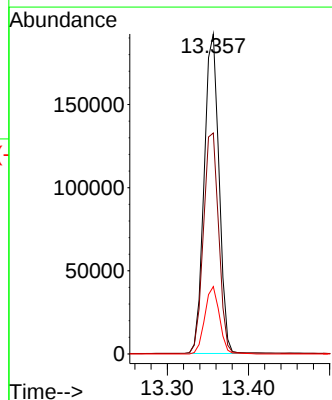
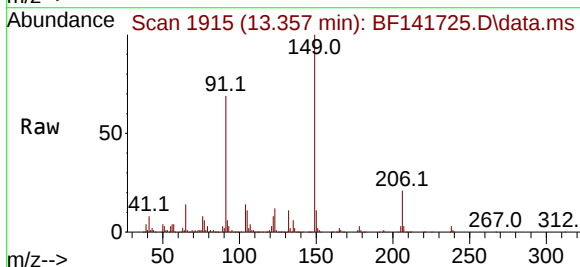
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

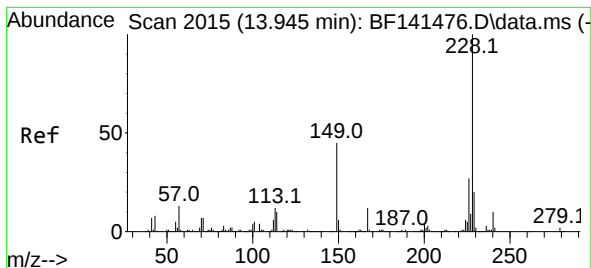
Tgt Ion:244 Resp: 732810
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.1 8.4 12.6



#80
 Butylbenzylphthalate
 Concen: 46.928 ng
 RT: 13.357 min Scan# 1915
 Delta R.T. -0.023 min
 Lab File: BF141725.D
 Acq: 21 Feb 2025 17:45

Tgt Ion:149 Resp: 243882
 Ion Ratio Lower Upper
 149 100
 91 69.1 57.8 86.8
 206 21.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 45.331 ng

RT: 13.927 min Scan# 2015

Delta R.T. -0.023 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

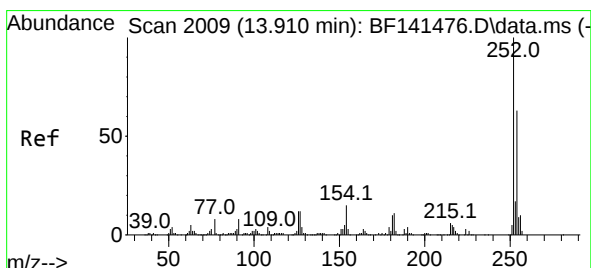
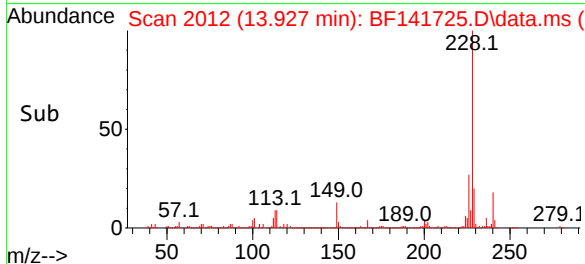
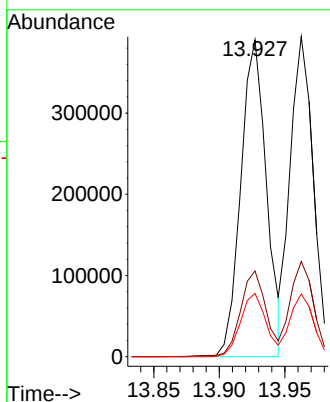
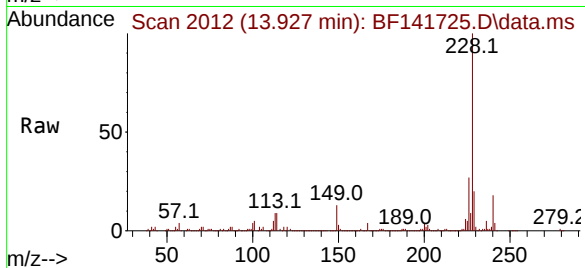
Tgt Ion:228 Resp: 531104

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

229 20.0 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 33.234 ng

RT: 13.892 min Scan# 2006

Delta R.T. -0.023 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

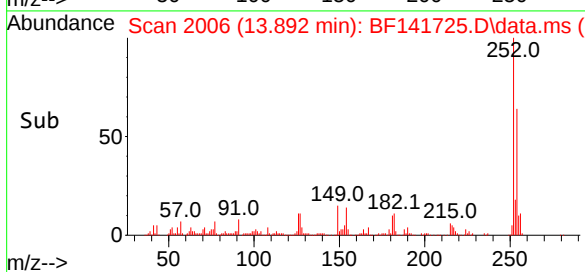
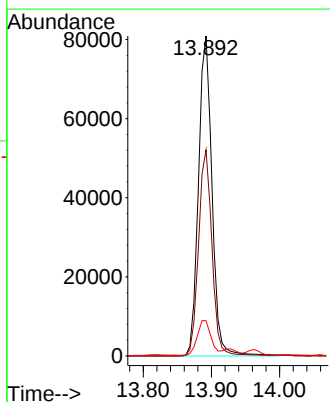
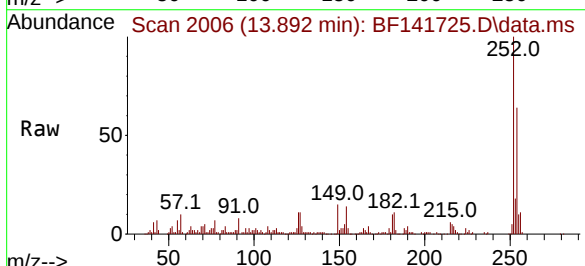
Tgt Ion:252 Resp: 111538

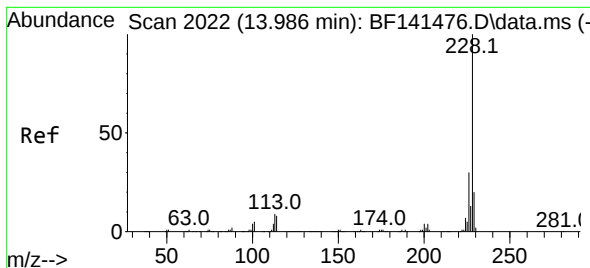
Ion Ratio Lower Upper

252 100

254 64.4 50.6 76.0

126 11.0 9.3 13.9





#83

Chrysene

Concen: 44.902 ng

RT: 13.963 min Scan# 2009

Delta R.T. -0.029 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

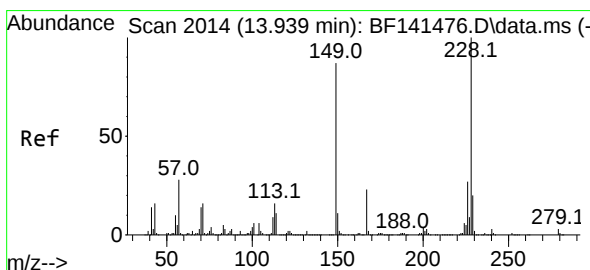
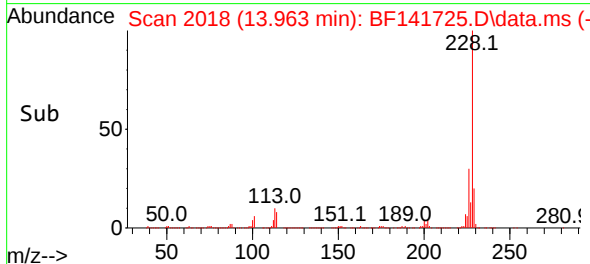
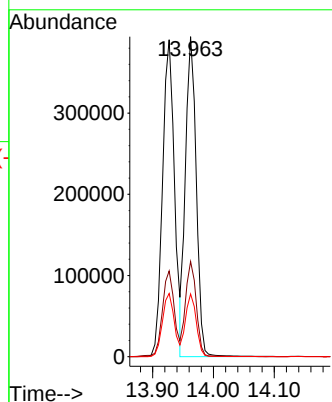
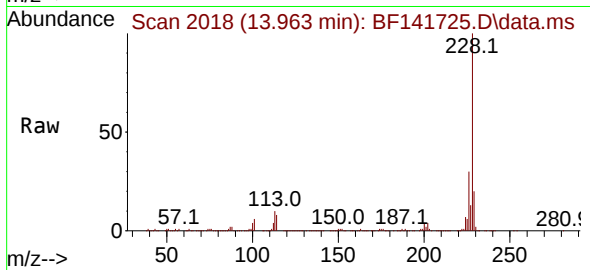
Tgt Ion:228 Resp: 485757

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.813 ng

RT: 13.910 min Scan# 2009

Delta R.T. -0.029 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

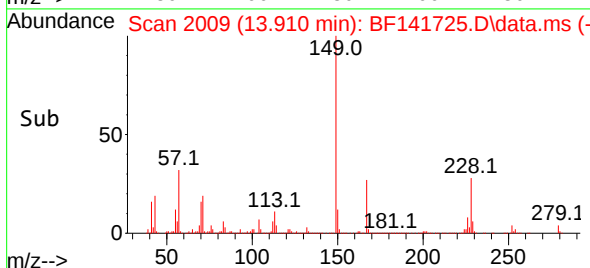
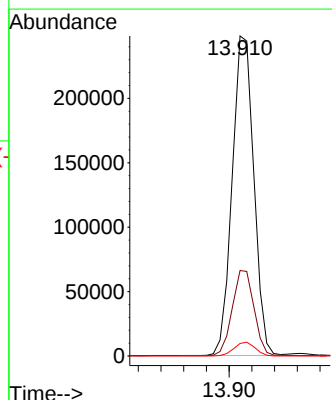
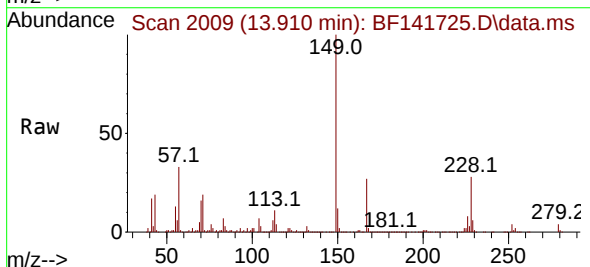
Tgt Ion:149 Resp: 327142

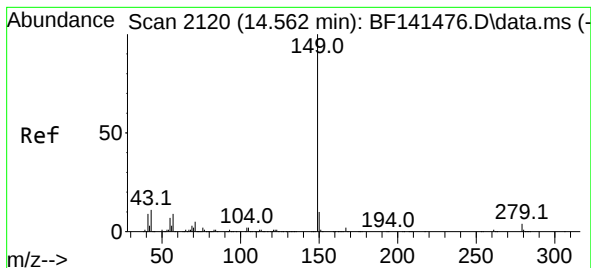
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 66.768 ng

RT: 14.521 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

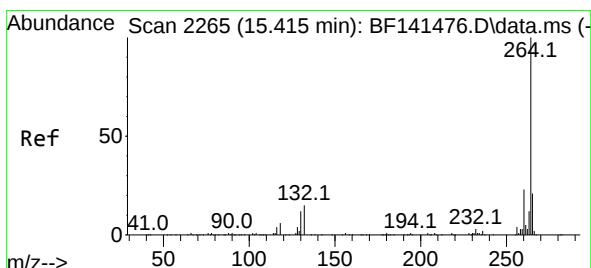
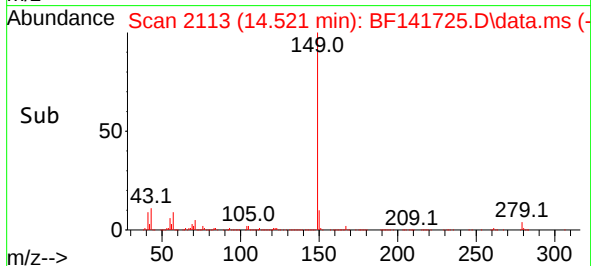
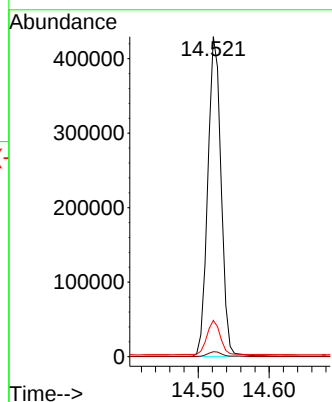
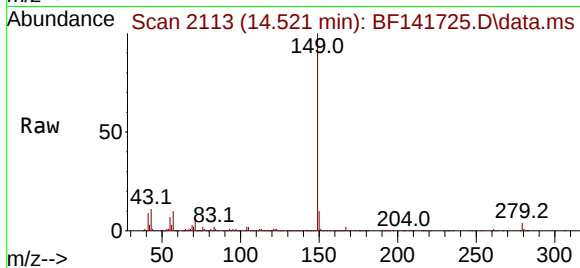
Tgt Ion:149 Resp: 558292

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.8 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.041 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

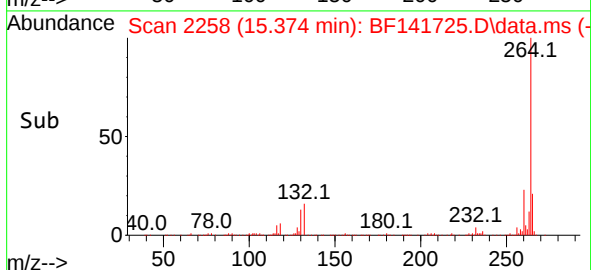
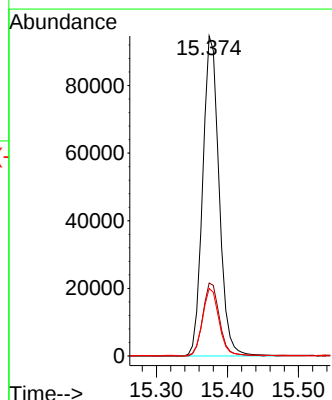
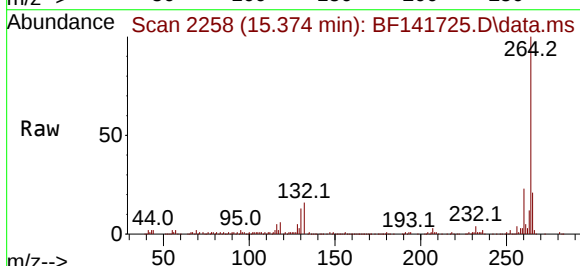
Tgt Ion:264 Resp: 152054

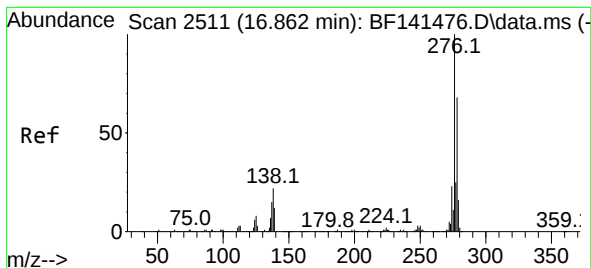
Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.503 ng

RT: 16.809 min Scan# 2188

Delta R.T. -0.065 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

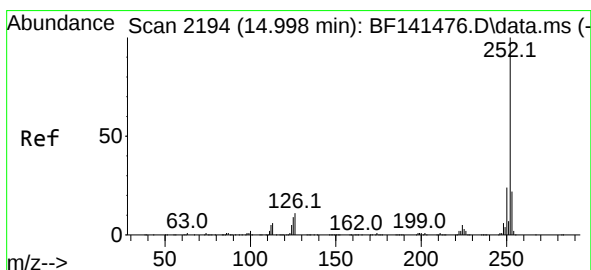
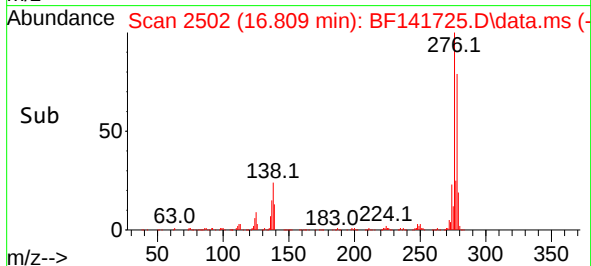
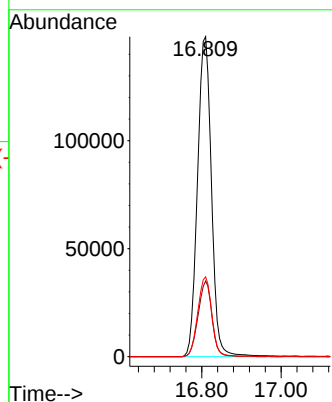
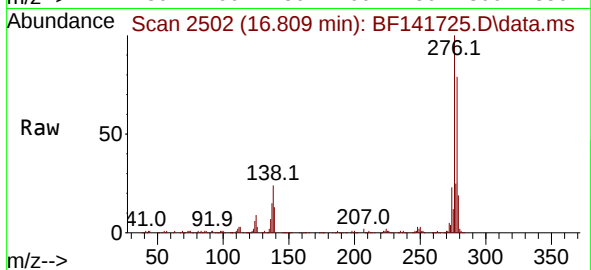
Tgt Ion:276 Resp: 361745

Ion Ratio Lower Upper

276 100

138 23.3 18.0 27.0

277 25.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 45.227 ng

RT: 14.962 min Scan# 2188

Delta R.T. -0.041 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

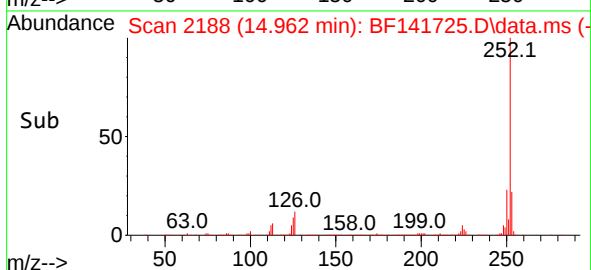
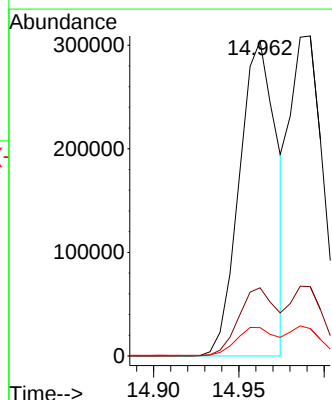
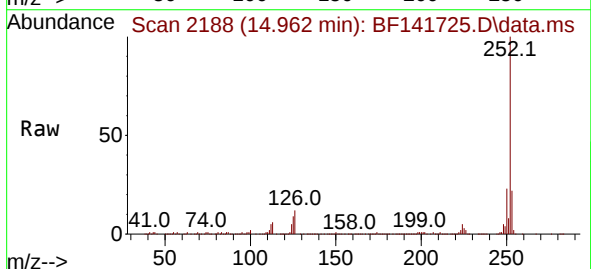
Tgt Ion:252 Resp: 461750

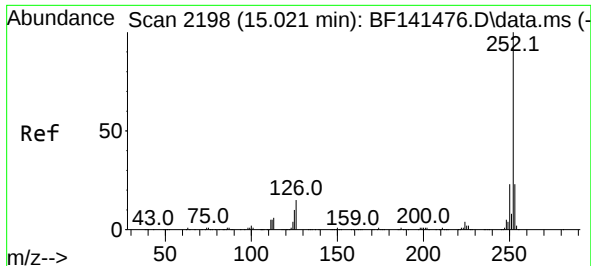
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 48.611 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

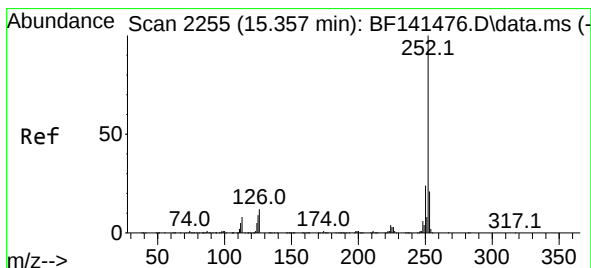
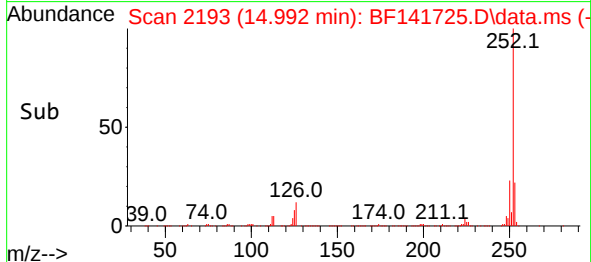
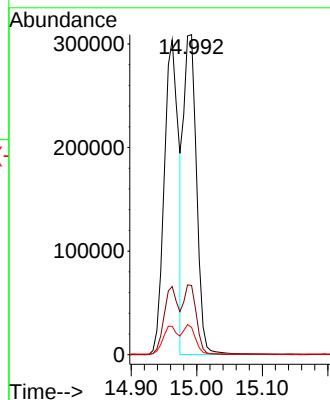
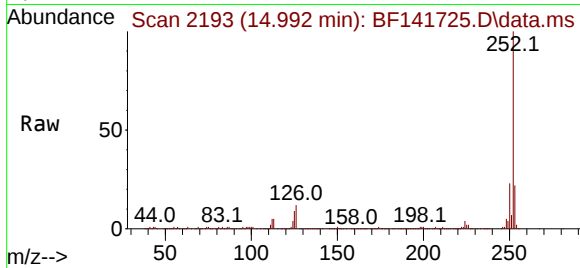
Tgt Ion:252 Resp: 423795

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 8.5 7.4 11.0



#90

Benzo(a)pyrene

Concen: 47.271 ng

RT: 15.315 min Scan# 2248

Delta R.T. -0.047 min

Lab File: BF141725.D

Acq: 21 Feb 2025 17:45

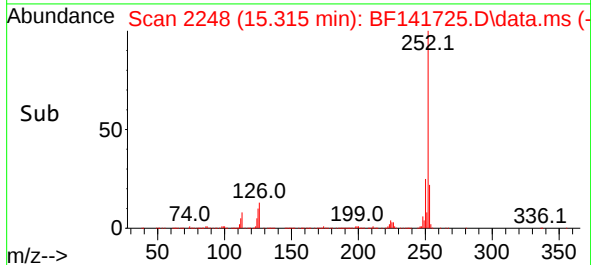
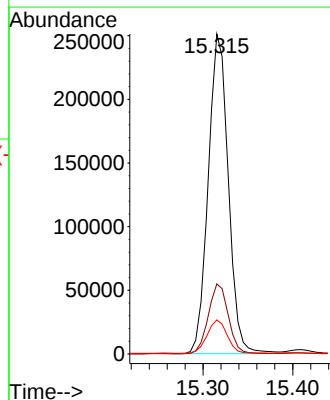
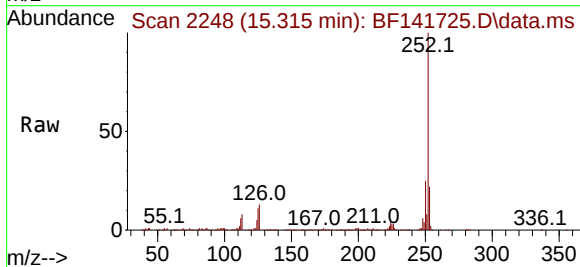
Tgt Ion:252 Resp: 390519

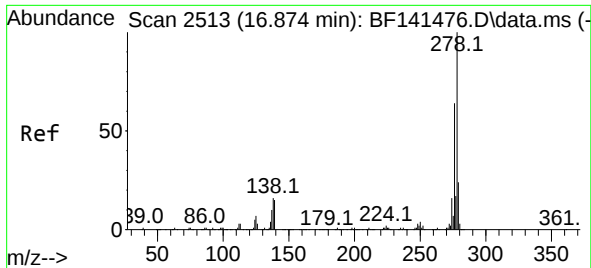
Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 10.7 7.4 11.2

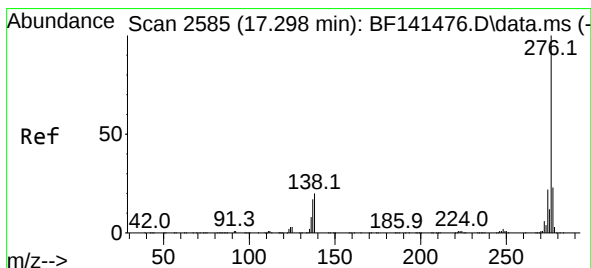
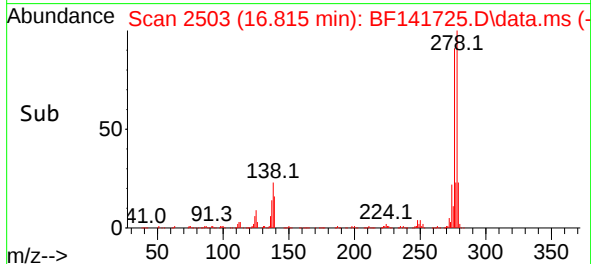
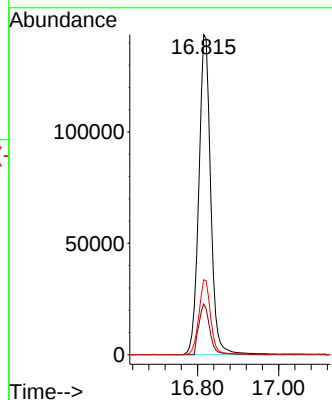
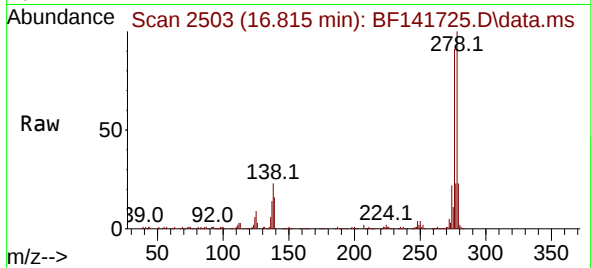




#91
Dibenzo(a,h)anthracene
Concen: 38.603 ng
RT: 16.815 min Scan# 2503
Delta R.T. -0.076 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:278 Resp: 293878
Ion Ratio Lower Upper
278 100
139 15.8 11.8 17.6
279 23.4 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 33.500 ng
RT: 17.233 min Scan# 2574
Delta R.T. -0.082 min
Lab File: BF141725.D
Acq: 21 Feb 2025 17:45

Tgt Ion:276 Resp: 266880
Ion Ratio Lower Upper
276 100
277 22.7 18.6 28.0
138 19.2 15.9 23.9

