

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141726.D
 Acq On : 21 Feb 2025 18:14
 Operator : RC/JU
 Sample : Q1393-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Quant Time: Feb 21 21:49:29 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	93428	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	368497	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	187214	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	260341	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	184303	20.000	ng	-0.02
86) Perylene-d12	15.374	264	150876	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	604571	101.448	ng	0.00
7) Phenol-d6	6.428	99	747459	99.235	ng	-0.01
23) Nitrobenzene-d5	7.345	82	492996	69.780	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	170055	90.424	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	883101	72.673	ng	-0.02
79) Terphenyl-d14	12.880	244	722590	66.188	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.558	88	98985	41.269	ng	97
3) Pyridine	3.287	79	220783	38.682	ng	94
4) n-Nitrosodimethylamine	3.240	42	141582	37.463	ng	92
6) Aniline	6.446	93	147199	20.833	ng	# 55
8) 2-Chlorophenol	6.569	128	266926	41.452	ng	99
9) Benzaldehyde	6.328	77	117116	29.260	ng	99
10) Phenol	6.440	94	324721	41.421	ng	86
11) bis(2-Chloroethyl)ether	6.516	93	245857	41.753	ng	100
12) 1,3-Dichlorobenzene	6.722	146	285281	41.964	ng	97
13) 1,4-Dichlorobenzene	6.798	146	287123	41.338	ng	98
14) 1,2-Dichlorobenzene	6.945	146	274099	42.519	ng	100
15) Benzyl Alcohol	6.928	79	226999	39.300	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.057	45	386944	38.388	ng	77
17) 2-Methylphenol	7.045	107	208507	41.377	ng	96
18) Hexachloroethane	7.287	117	106613	41.475	ng	98
19) n-Nitroso-di-n-propyla...	7.198	70	182885	40.592	ng	94
20) 3+4-Methylphenols	7.204	107	271346	42.371	ng	# 72
22) Acetophenone	7.193	105	413246	45.082	ng	93
24) Nitrobenzene	7.363	77	281283	40.829	ng	99
25) Isophorone	7.604	82	489286	43.435	ng	99
26) 2-Nitrophenol	7.681	139	142192	41.485	ng	95
27) 2,4-Dimethylphenol	7.722	122	210323	52.527	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	303846	42.094	ng	100
29) 2,4-Dichlorophenol	7.928	162	222355	41.100	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	238588	40.498	ng	99
31) Naphthalene	8.087	128	776256	40.469	ng	100
32) Benzoic acid	7.863	122	152362	36.634	ng	99
33) 4-Chloroaniline	8.151	127	37431	5.589	ng	98
34) Hexachlorobutadiene	8.198	225	151111	42.725	ng	99
35) Caprolactam	8.510	113	73727m	44.759	ng	
36) 4-Chloro-3-methylphenol	8.634	107	230487	38.461	ng	98
37) 2-Methylnaphthalene	8.775	142	487035	39.019	ng	99
38) 1-Methylnaphthalene	8.875	142	467914	38.705	ng	100
40) 1,2,4,5-Tetrachloroben...	8.939	216	261681	48.313	ng	99
41) Hexachlorocyclopentadiene	8.922	237	199572	110.780	ng	98
43) 2,4,6-Trichlorophenol	9.057	196	148390	42.389	ng	98

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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	156149	41.158	ng	96
46) 1,1'-Biphenyl	9.239	154	685262	47.213	ng	100
47) 2-Chloronaphthalene	9.263	162	463205	43.157	ng	99
48) 2-Nitroaniline	9.363	65	144295	40.060	ng	97
49) Acenaphthylene	9.675	152	685649	42.950	ng	99
50) Dimethylphthalate	9.539	163	546933	43.033	ng	100
51) 2,6-Dinitrotoluene	9.604	165	117010	42.115	ng	97
52) Acenaphthene	9.845	154	430815	40.141	ng	99
53) 3-Nitroaniline	9.775	138	62718	20.973	ng	96
54) 2,4-Dinitrophenol	9.892	184	106124	64.268	ng	91
55) Dibenzofuran	10.022	168	607233	38.547	ng	99
56) 4-Nitrophenol	9.957	139	143873	64.812	ng	95
57) 2,4-Dinitrotoluene	10.010	165	148094	40.039	ng	99
58) Fluorene	10.363	166	469956	38.583	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	122979	37.651	ng	93
60) Diethylphthalate	10.239	149	508283	40.648	ng	99
61) 4-Chlorophenyl-phenyle...	10.351	204	236788	40.409	ng	99
62) 4-Nitroaniline	10.386	138	98665	32.494	ng	97
63) Azobenzene	10.516	77	564933	45.445	ng	90
65) 4,6-Dinitro-2-methylph...	10.422	198	71256	39.401	ng	90
66) n-Nitrosodiphenylamine	10.475	169	406355	48.760	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	136956	47.070	ng	99
68) Hexachlorobenzene	10.910	284	140125	46.768	ng	99
69) Atrazine	11.004	200	144322	57.726	ng	99
70) Pentachlorophenol	11.110	266	128272	66.955	ng	99
71) Phenanthrene	11.322	178	611288	42.656	ng	100
72) Anthracene	11.375	178	624653	43.361	ng	100
73) Carbazole	11.533	167	519008	40.040	ng	99
74) Di-n-butylphthalate	11.857	149	652629	43.605	ng	100
75) Fluoranthene	12.510	202	571495	37.615	ng	99
77) Benzidine	12.639	184	158072	38.889	ng	98
78) Pyrene	12.739	202	581984	37.095	ng	99
80) Butylbenzylphthalate	13.357	149	245866	45.244	ng	97
81) Benzo(a)anthracene	13.927	228	522266	42.630	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	120998	34.478	ng	98
83) Chrysene	13.963	228	477306	42.194	ng	100
84) Bis(2-ethylhexyl)phtha...	13.910	149	331301	54.054	ng	100
85) Di-n-octyl phthalate	14.521	149	543489	62.159	ng	98
87) Indeno(1,2,3-cd)pyrene	16.804	276	342420	36.731	ng	100
88) Benzo(b)fluoranthene	14.963	252	429842	42.430	ng	99
89) Benzo(k)fluoranthene	14.992	252	408858	47.263	ng	98
90) Benzo(a)pyrene	15.316	252	373556	45.570	ng	99
91) Dibenzo(a,h)anthracene	16.815	278	281130	37.217	ng	98
92) Benzo(g,h,i)perylene	17.233	276	254920	32.249	ng	99

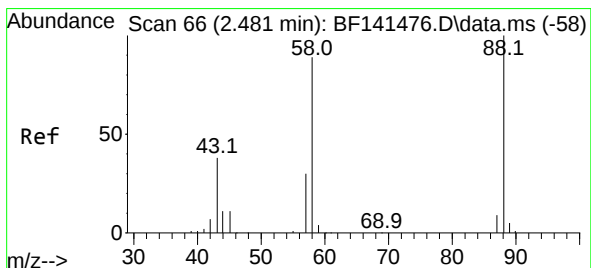
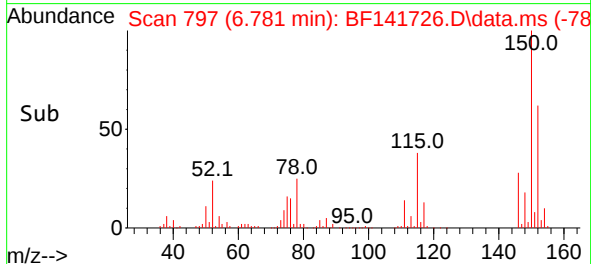
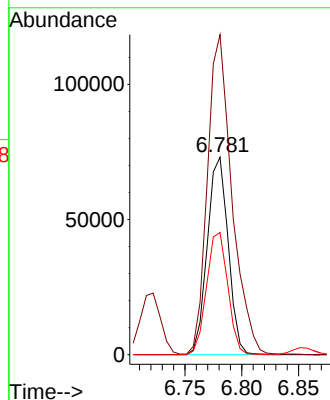
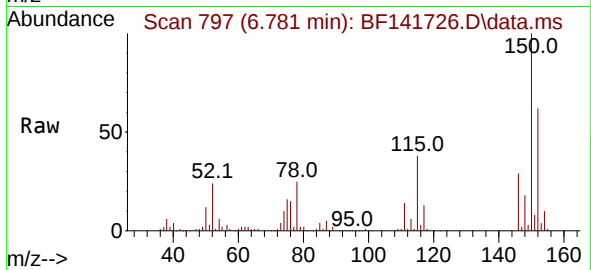
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141726.D
 Acq: 21 Feb 2025 18:14

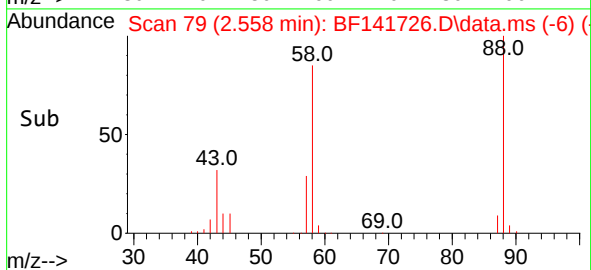
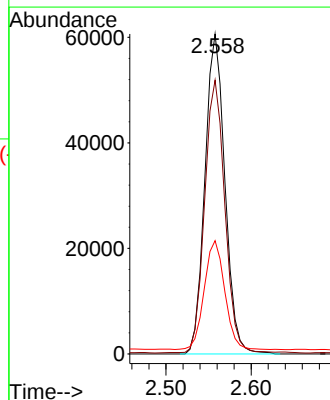
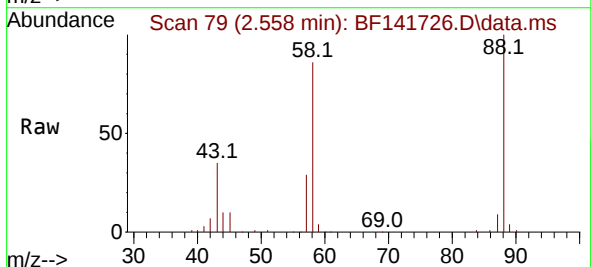
Instrument :
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 SOIL-COMPMSD

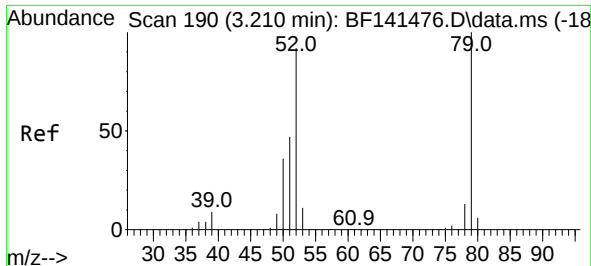
Tgt Ion:152 Resp: 93428
 Ion Ratio Lower Upper
 152 100
 150 162.1 125.0 187.4
 115 61.9 53.6 80.4



#2
 1,4-Dioxane
 Concen: 41.269 ng
 RT: 2.558 min Scan# 79
 Delta R.T. 0.077 min
 Lab File: BF141726.D
 Acq: 21 Feb 2025 18:14

Tgt Ion: 88 Resp: 98985
 Ion Ratio Lower Upper
 88 100
 58 86.6 71.1 106.7
 43 35.0 30.6 46.0





#3

Pyridine

Concen: 38.682 ng

RT: 3.287 min Scan# 20

Delta R.T. 0.071 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

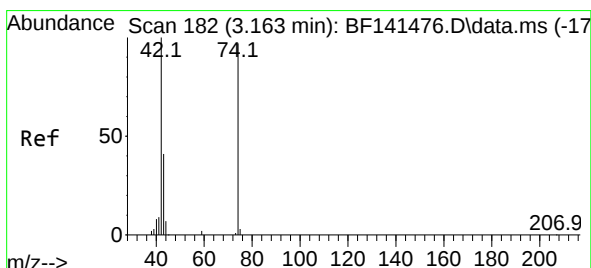
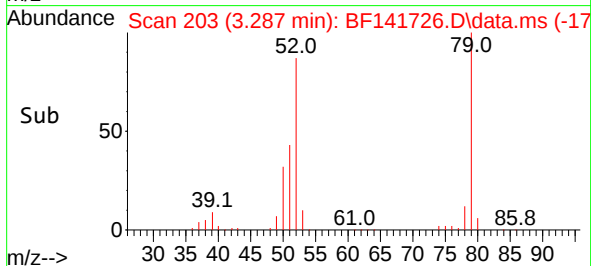
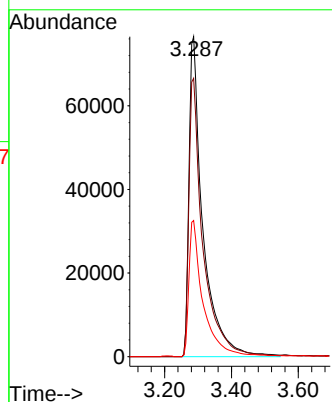
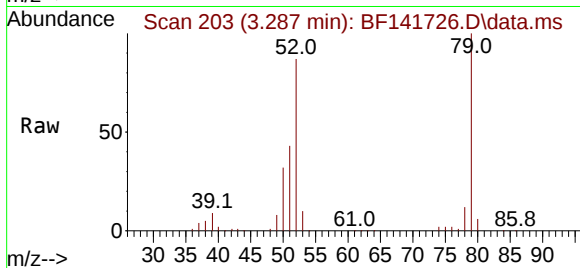
Tgt Ion: 79 Resp: 220783

Ion Ratio Lower Upper

79 100

52 87.0 73.7 110.5

51 42.5 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 37.463 ng

RT: 3.240 min Scan# 195

Delta R.T. 0.053 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

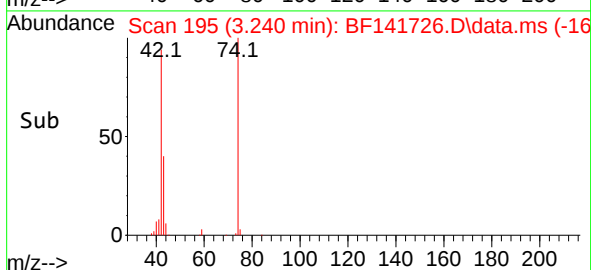
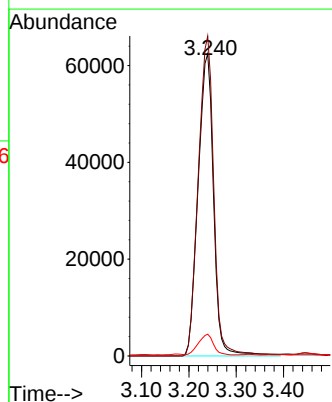
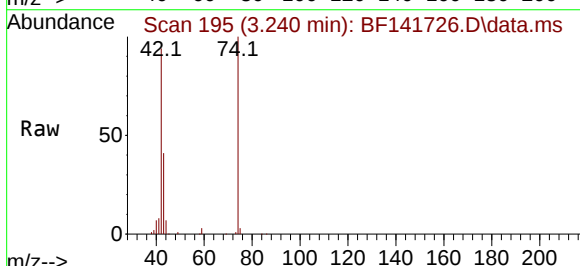
Tgt Ion: 42 Resp: 141582

Ion Ratio Lower Upper

42 100

74 105.9 78.0 117.0

44 7.2 5.4 8.2

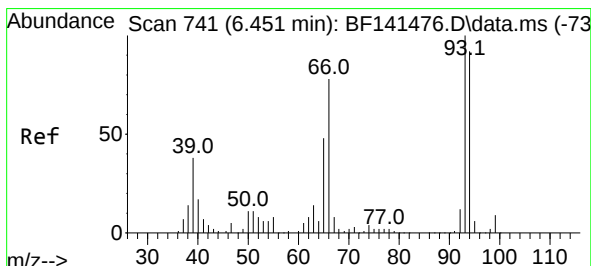
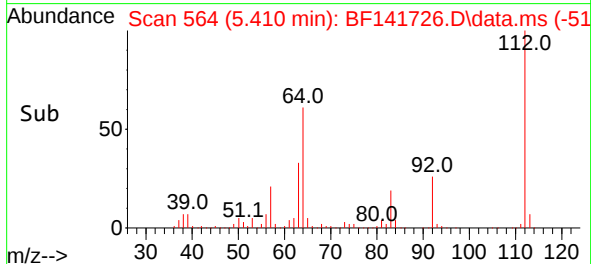
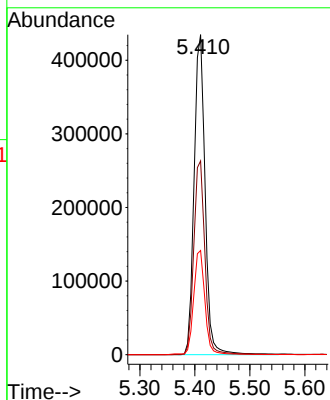
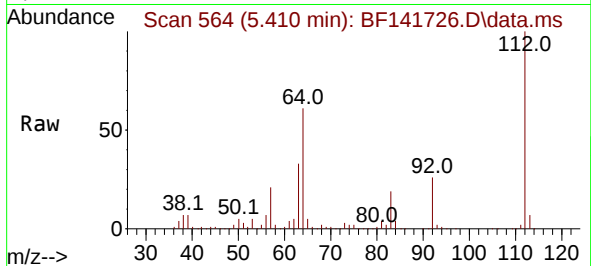




#5
2-Fluorophenol
Concen: 101.448 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

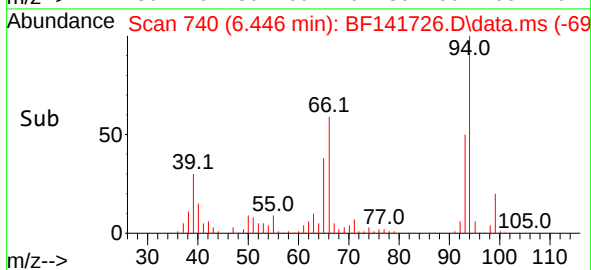
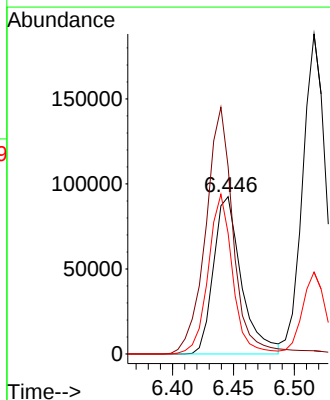
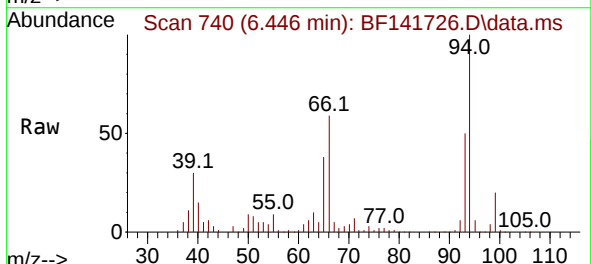
Instrument :
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ClientSampleId :
SOIL-COMPMSD

Tgt Ion:112 Resp: 604571
Ion Ratio Lower Upper
112 100
64 60.6 51.1 76.7
63 32.5 28.4 42.6



#6
Aniline
Concen: 20.833 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion: 93 Resp: 147199
Ion Ratio Lower Upper
93 100
66 119.2 62.6 94.0#
65 76.7 38.3 57.5#

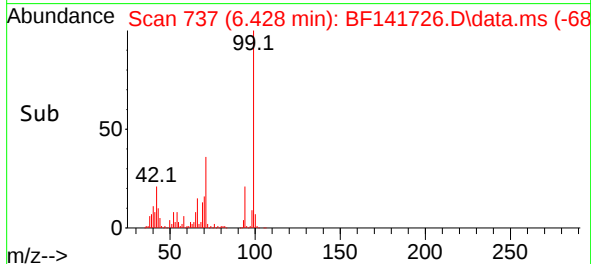
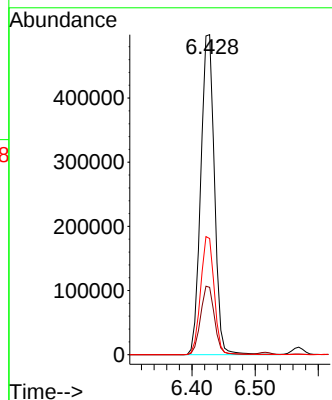
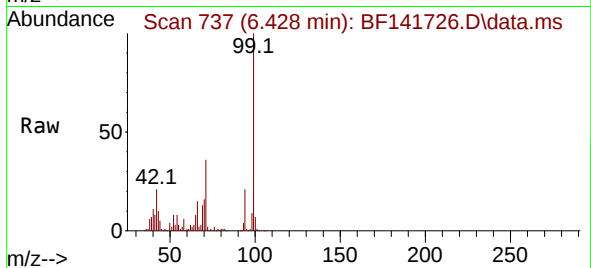




#7
Phenol-d6
Concen: 99.235 ng
RT: 6.428 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

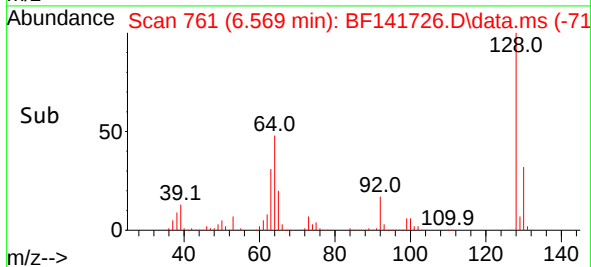
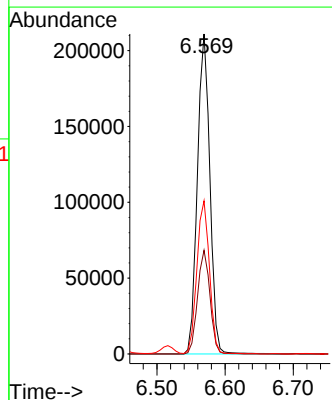
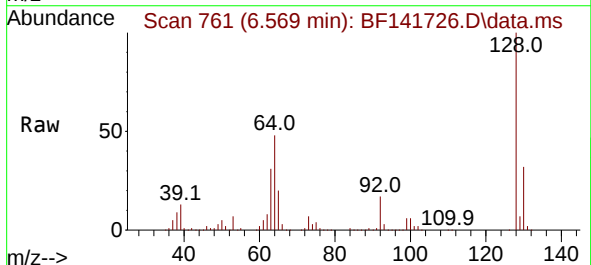
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion: 99 Resp: 747459
Ion Ratio Lower Upper
99 100
42 21.1 19.1 28.7
71 36.3 31.1 46.7



#8
2-Chlorophenol
Concen: 41.452 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion: 128 Resp: 266926
Ion Ratio Lower Upper
128 100
130 32.4 12.7 52.7
64 47.9 28.3 68.3

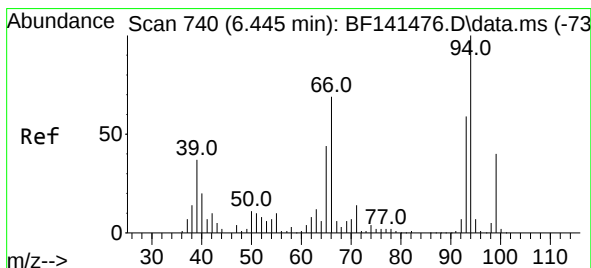
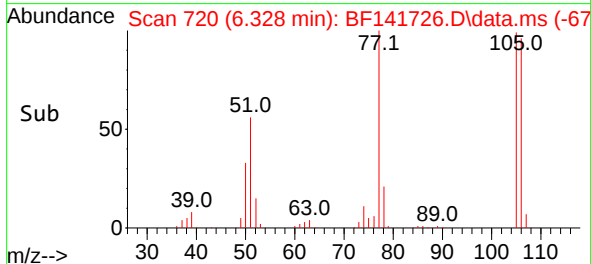
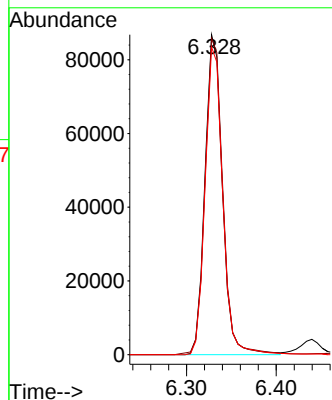
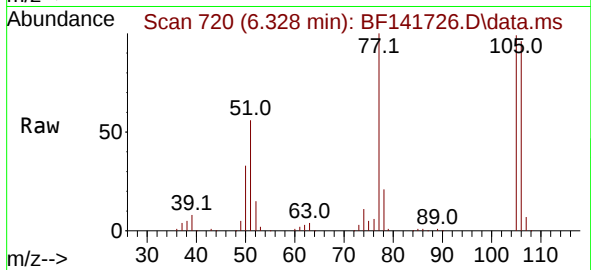




#9
Benzaldehyde
Concen: 29.260 ng
RT: 6.328 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

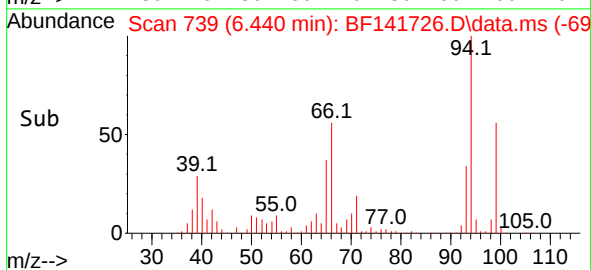
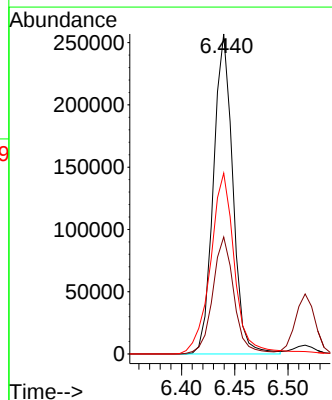
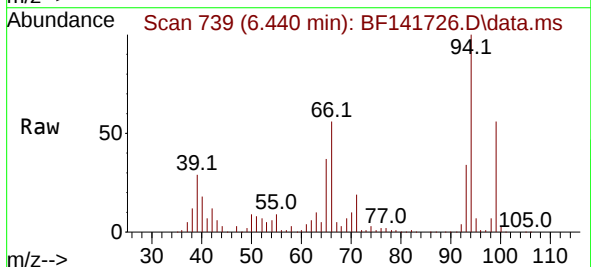
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion: 77 Resp: 117116
Ion Ratio Lower Upper
77 100
105 98.9 79.4 119.4
106 96.1 75.1 115.1



#10
Phenol
Concen: 41.421 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion: 94 Resp: 324721
Ion Ratio Lower Upper
94 100
65 36.6 23.7 63.7
66 56.5 49.3 89.3

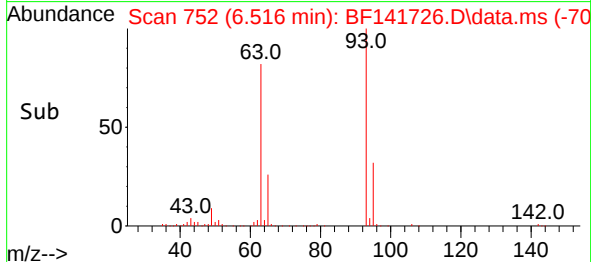
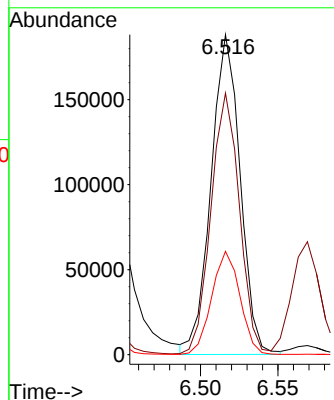
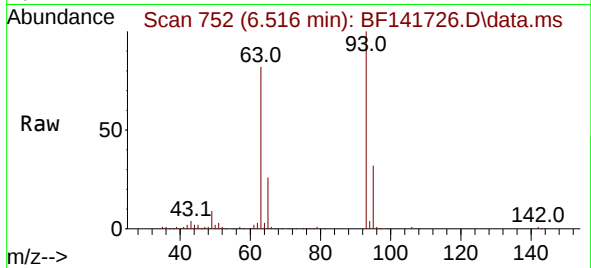




#11
bis(2-Chloroethyl)ether
Concen: 41.753 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

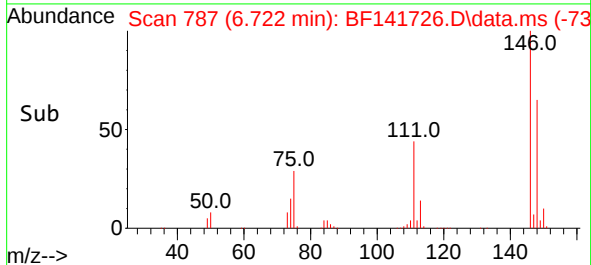
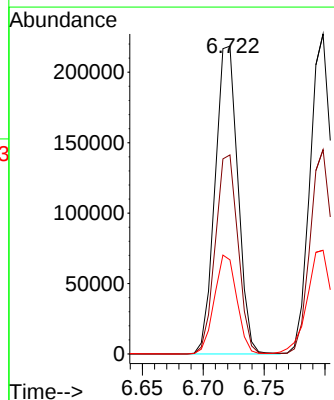
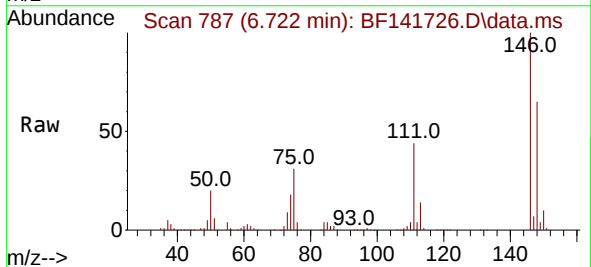
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion: 93 Resp: 245857
Ion Ratio Lower Upper
93 100
63 81.7 62.0 102.0
95 32.3 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 41.964 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:146 Resp: 285281
Ion Ratio Lower Upper
146 100
148 64.7 51.9 77.9
75 30.6 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 41.338 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

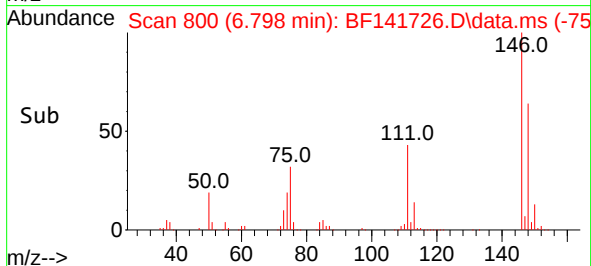
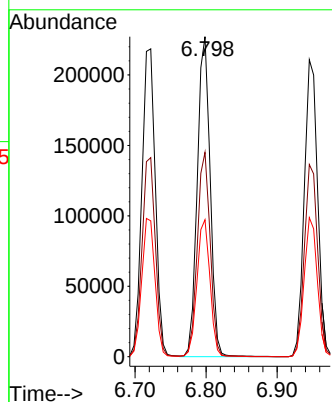
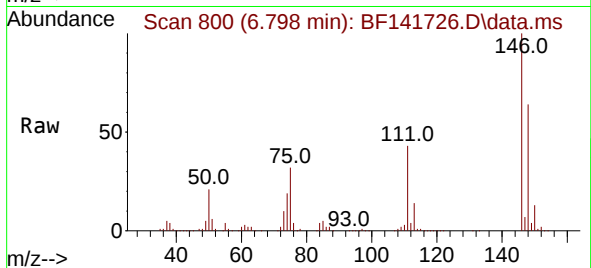
Tgt Ion:146 Resp: 287123

Ion Ratio Lower Upper

146 100

148 63.9 50.9 76.3

111 42.8 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 42.519 ng

RT: 6.945 min Scan# 825

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

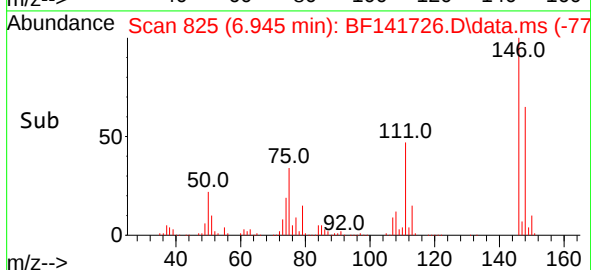
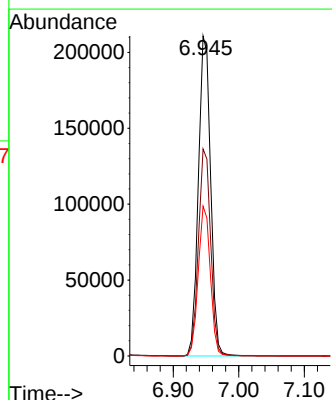
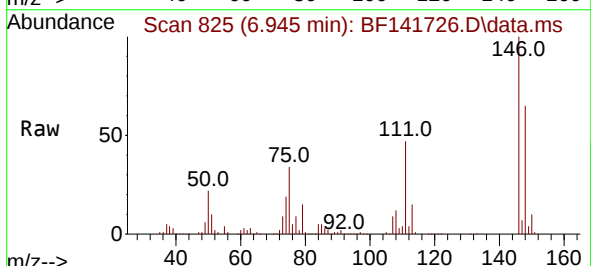
Tgt Ion:146 Resp: 274099

Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.6

111 46.8 37.0 55.4

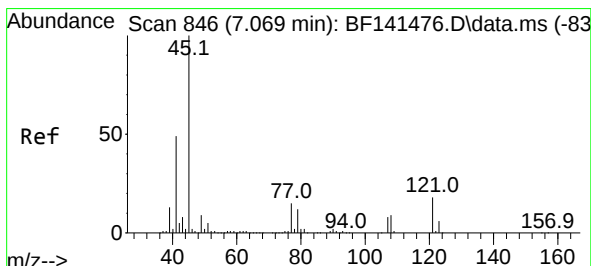
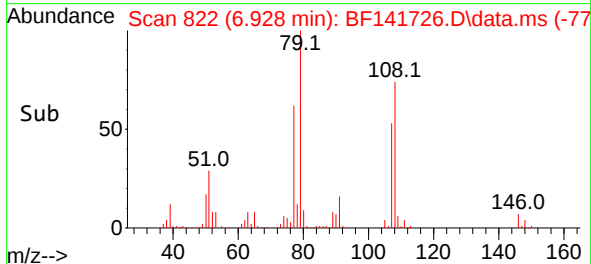
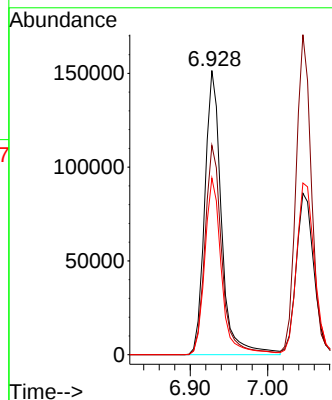
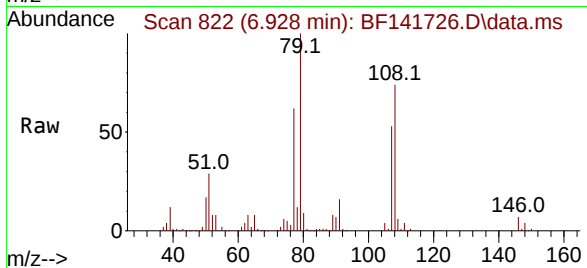




#15
Benzyl Alcohol
Concen: 39.300 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

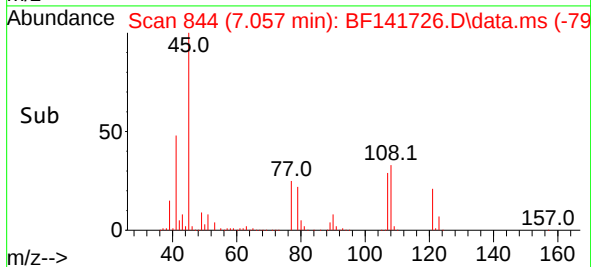
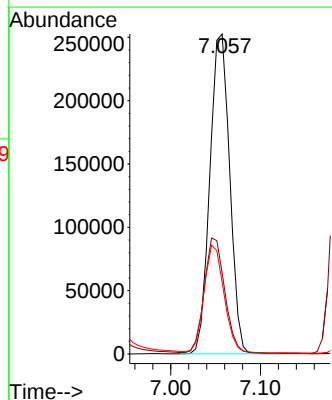
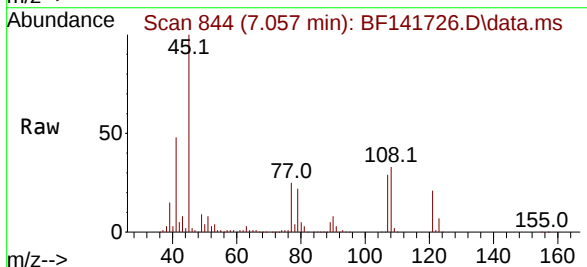
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

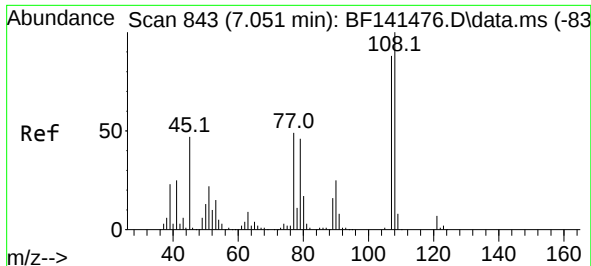
Tgt Ion: 79 Resp: 226999
Ion Ratio Lower Upper
79 100
108 73.6 57.4 86.2
77 62.2 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.388 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

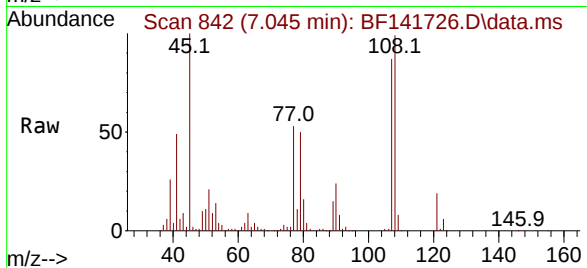
Tgt Ion: 45 Resp: 386944
Ion Ratio Lower Upper
45 100
77 25.3 0.0 35.8
79 22.4 0.0 32.7



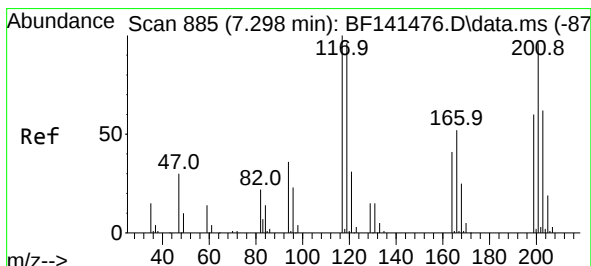
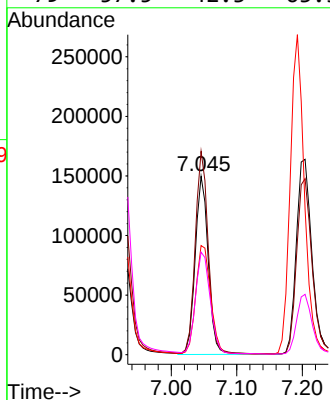
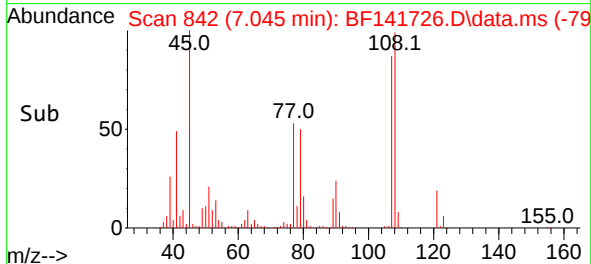


#17
2-Methylphenol
Concen: 41.377 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

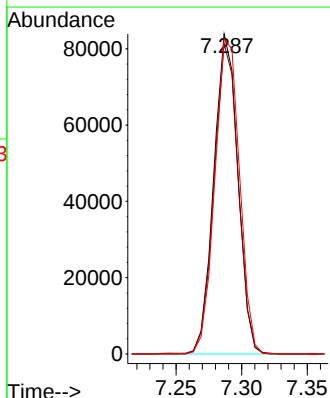
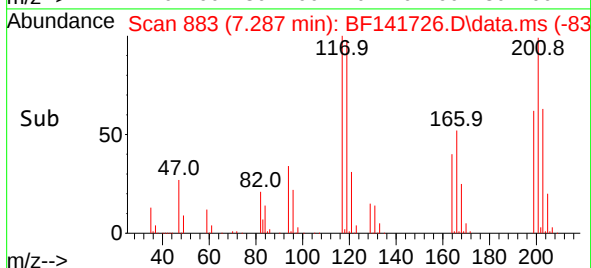
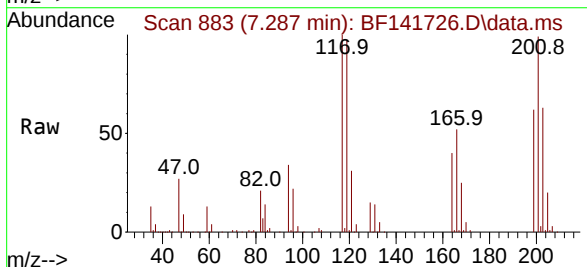


Tgt Ion:107 Resp: 208507
Ion Ratio Lower Upper
107 100
108 114.0 90.6 136.0
77 61.2 44.4 66.6
79 57.5 42.3 63.5



#18
Hexachloroethane
Concen: 41.475 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:117 Resp: 106613
Ion Ratio Lower Upper
117 100
119 97.0 76.5 114.7
201 98.5 76.7 115.1

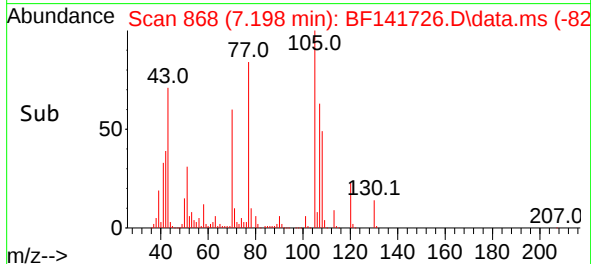
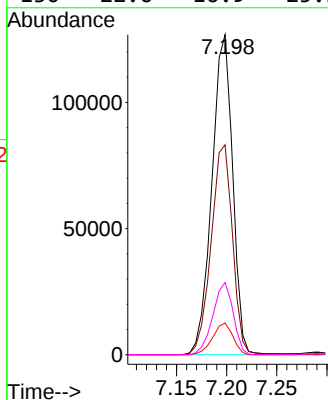
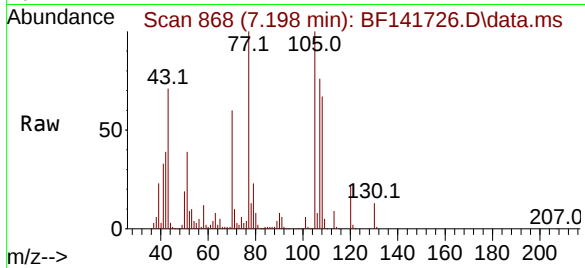




#19
n-Nitroso-di-n-propylamine
Concen: 40.592 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

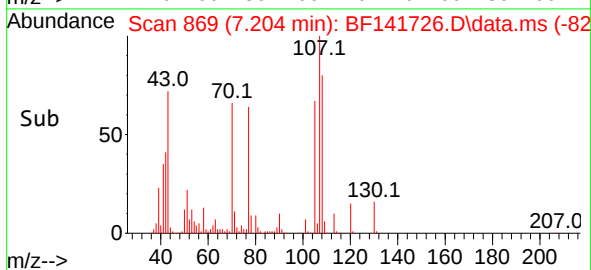
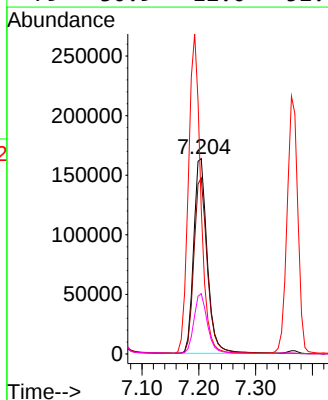
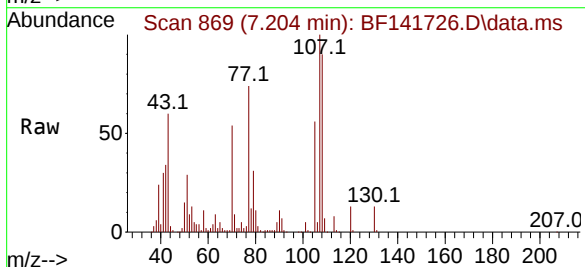
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

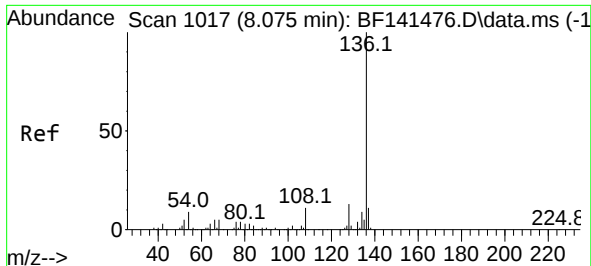
Tgt Ion: 70 Resp: 182885
Ion Ratio Lower Upper
70 100
42 65.6 57.4 86.2
101 9.9 8.0 12.0
130 22.6 16.9 25.3



#20
3+4-Methylphenols
Concen: 42.371 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion: 107 Resp: 271346
Ion Ratio Lower Upper
107 100
108 90.1 68.5 108.5
77 74.4 116.5 156.5#
79 30.9 12.0 52.0

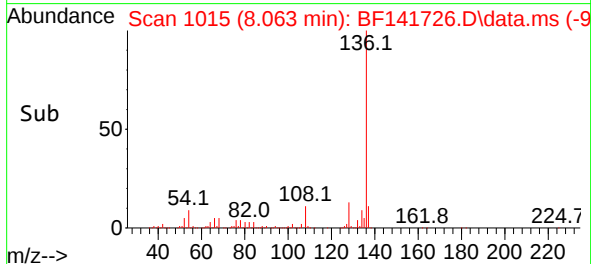
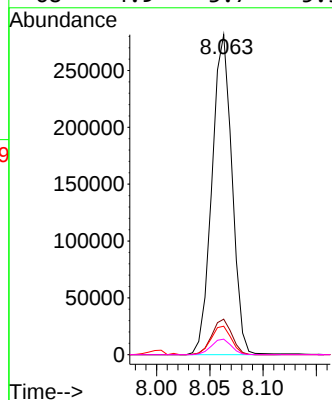
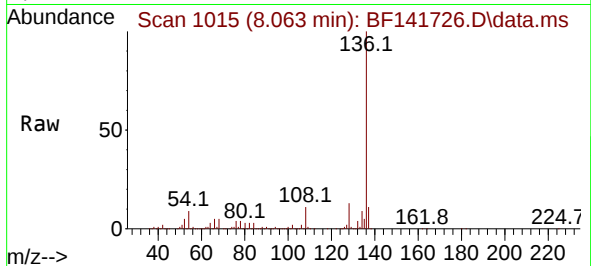




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

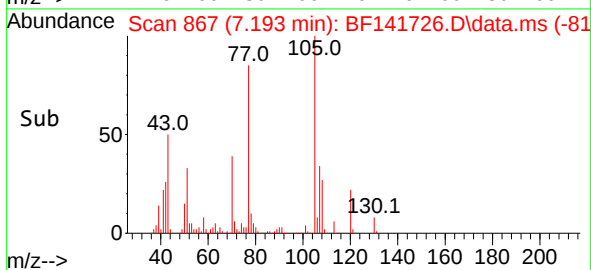
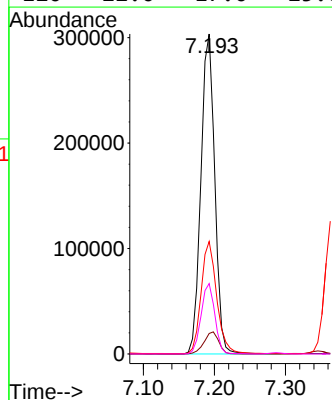
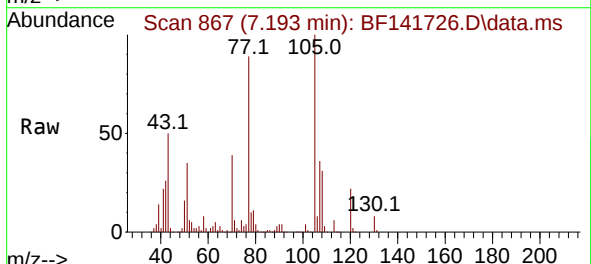
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:136 Resp: 368497
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.9 7.2 10.8
68 4.9 3.7 5.5



#22
Acetophenone
Concen: 45.082 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:105 Resp: 413246
Ion Ratio Lower Upper
105 100
71 6.4 5.7 8.5
51 35.2 33.7 50.5
120 22.0 17.0 25.6

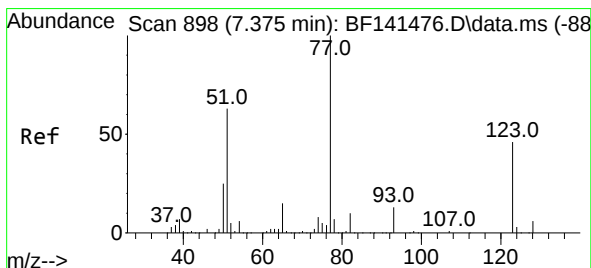
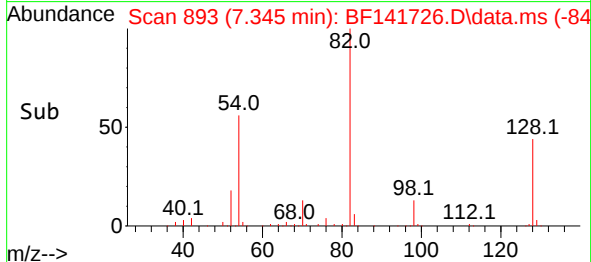
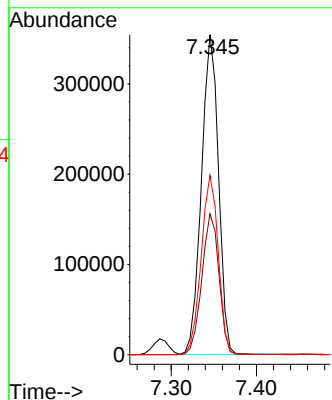
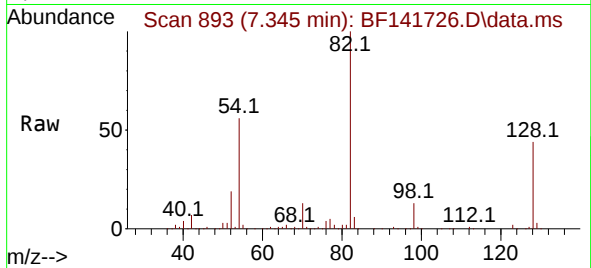




#23
Nitrobenzene-d5
Concen: 69.780 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

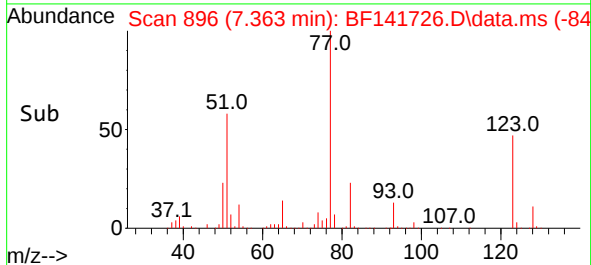
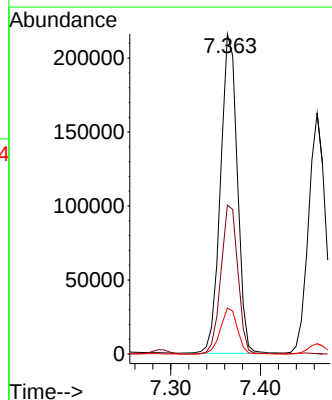
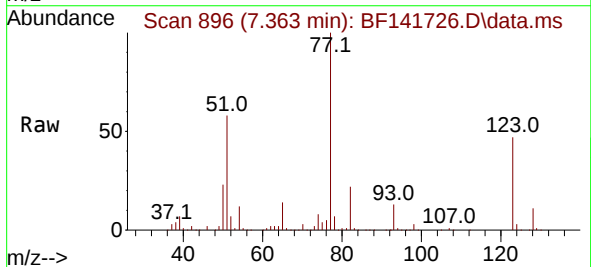
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion: 82 Resp: 492996
Ion Ratio Lower Upper
82 100
128 44.0 34.8 52.2
54 56.0 48.2 72.4



#24
Nitrobenzene
Concen: 40.829 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion: 77 Resp: 281283
Ion Ratio Lower Upper
77 100
123 46.5 36.9 55.3
65 14.4 11.9 17.9

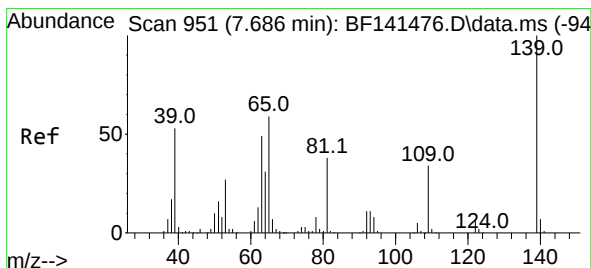
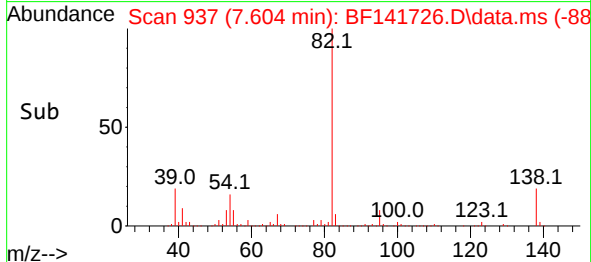
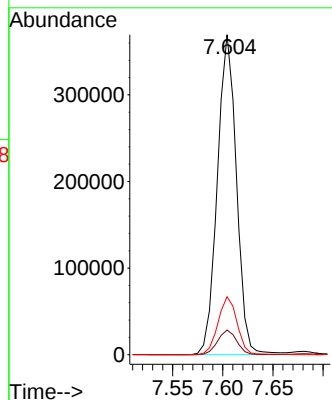
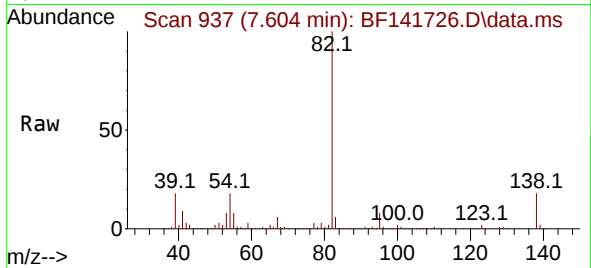




#25
Isophorone
Concen: 43.435 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

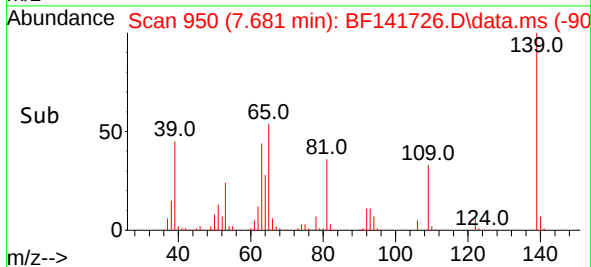
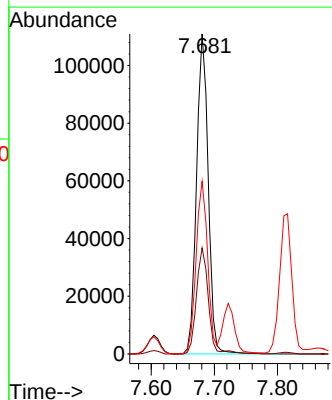
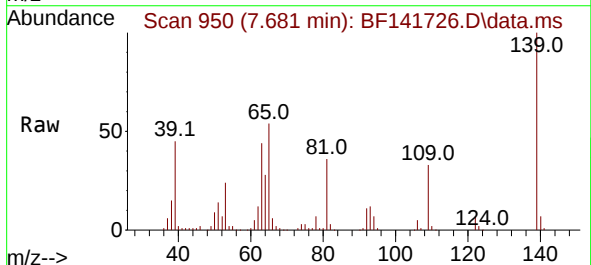
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion: 82 Resp: 489286
Ion Ratio Lower Upper
82 100
95 7.7 6.4 9.6
138 18.1 13.9 20.9



#26
2-Nitrophenol
Concen: 41.485 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion: 139 Resp: 142192
Ion Ratio Lower Upper
139 100
109 33.2 27.0 40.6
65 53.9 47.1 70.7

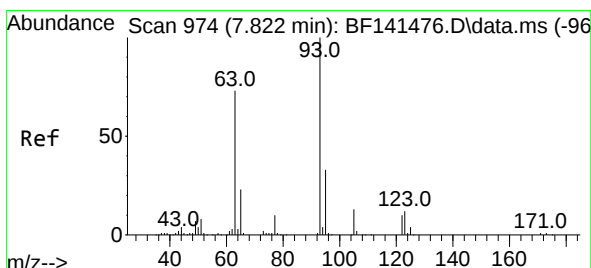
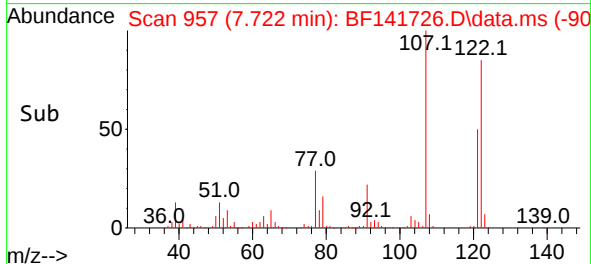
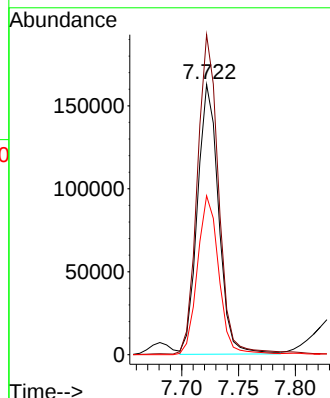
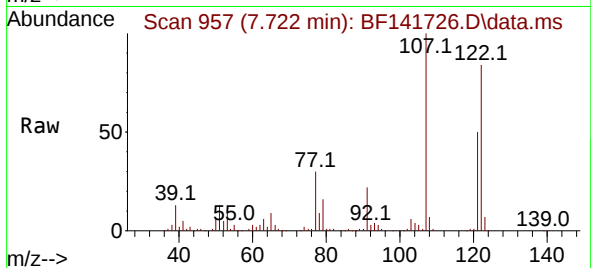




#27
2,4-Dimethylphenol
Concen: 52.527 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

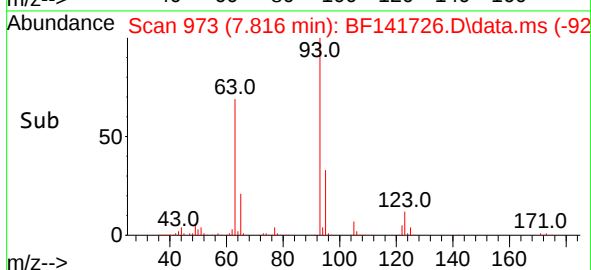
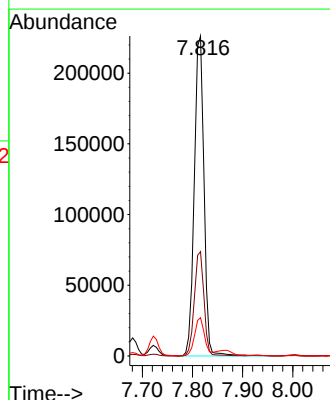
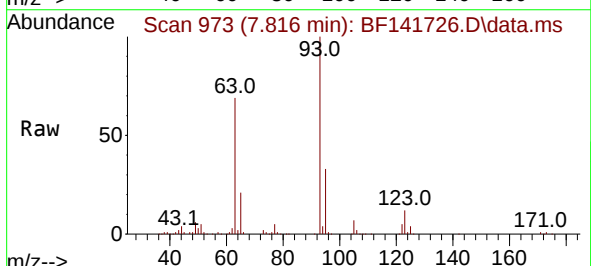
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:122 Resp: 210323
Ion Ratio Lower Upper
122 100
107 118.4 94.3 141.5
121 58.8 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 42.094 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion: 93 Resp: 303846
Ion Ratio Lower Upper
93 100
95 32.6 26.1 39.1
123 12.0 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 41.100 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

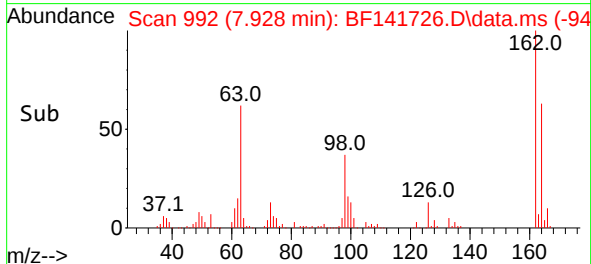
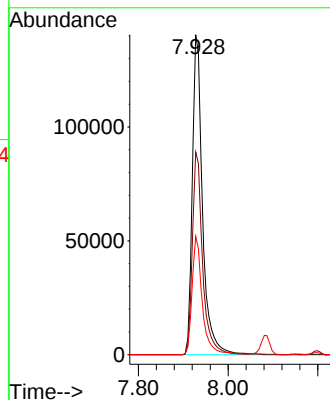
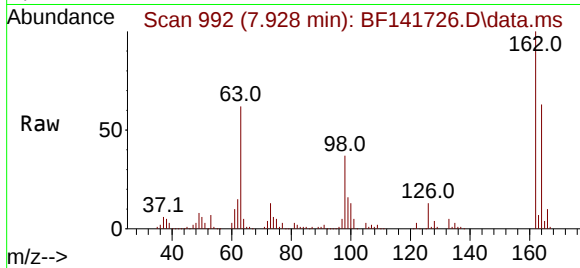
Tgt Ion:162 Resp: 222355

Ion Ratio Lower Upper

162 100

164 63.4 44.6 84.6

98 37.0 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 40.498 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

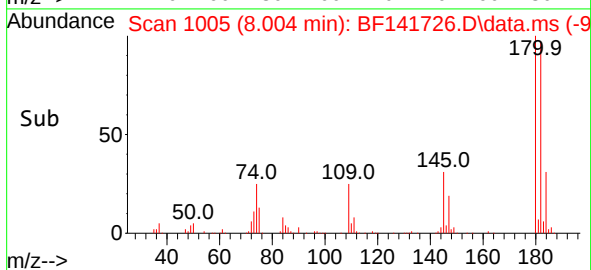
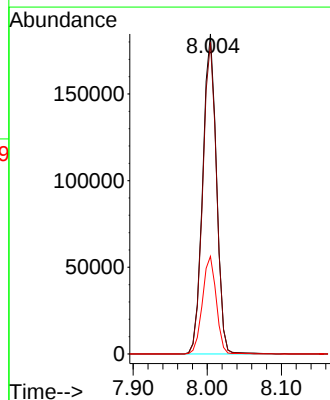
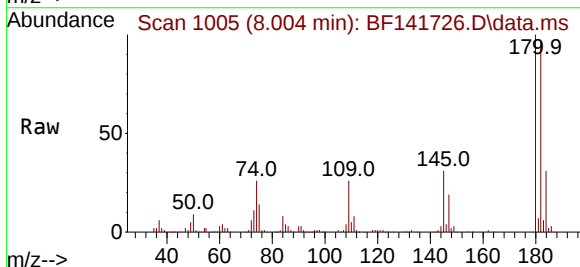
Tgt Ion:180 Resp: 238588

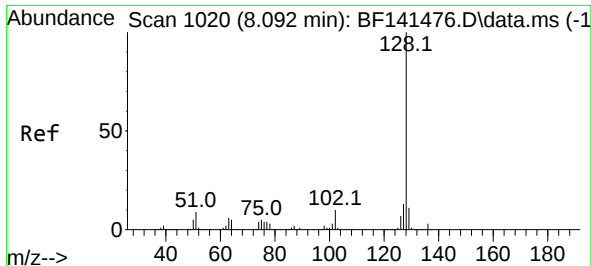
Ion Ratio Lower Upper

180 100

182 97.4 76.8 115.2

145 30.5 24.2 36.4

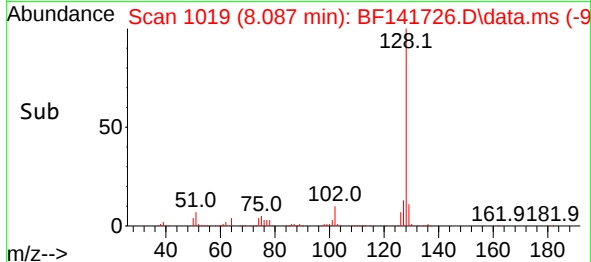
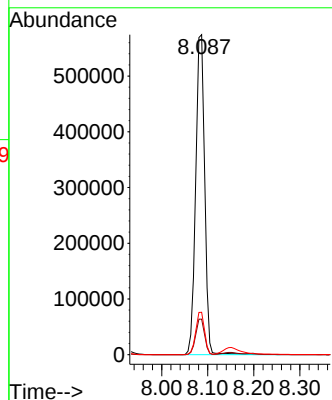
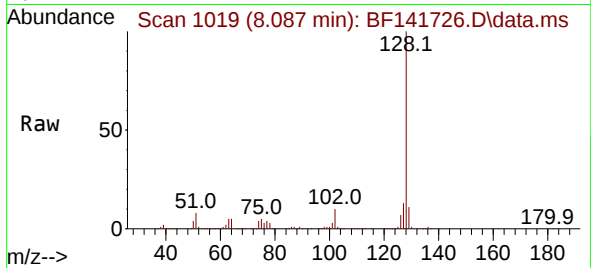




#31
Naphthalene
Concen: 40.469 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

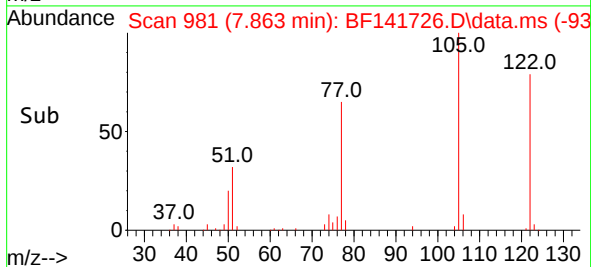
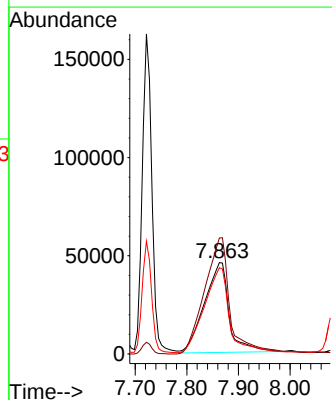
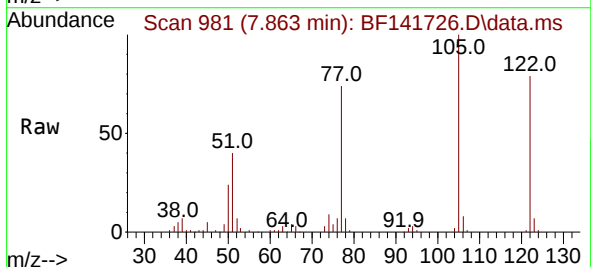
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

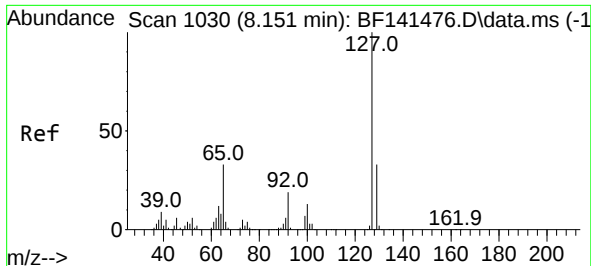
Tgt Ion:128 Resp: 776256
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 36.634 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:122 Resp: 152362
Ion Ratio Lower Upper
122 100
105 127.1 106.5 146.5
77 94.4 76.3 116.3

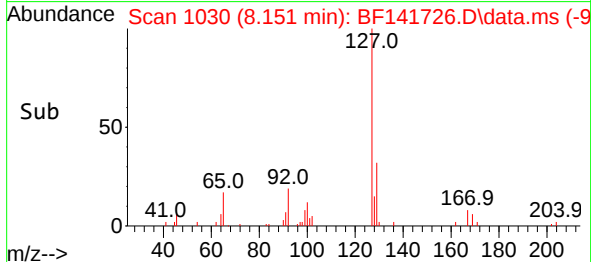
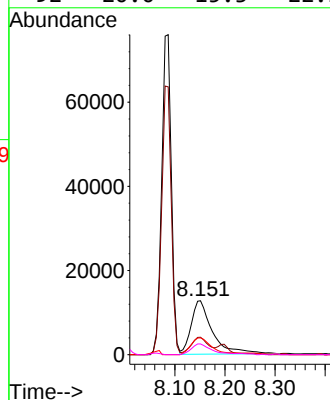
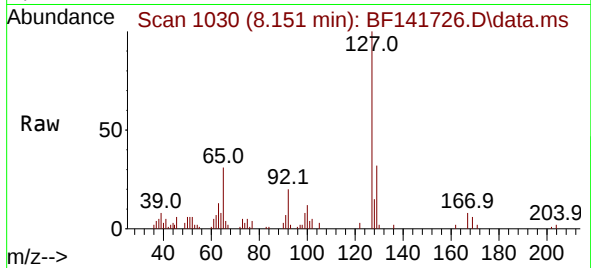




#33
4-Chloroaniline
Concen: 5.589 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

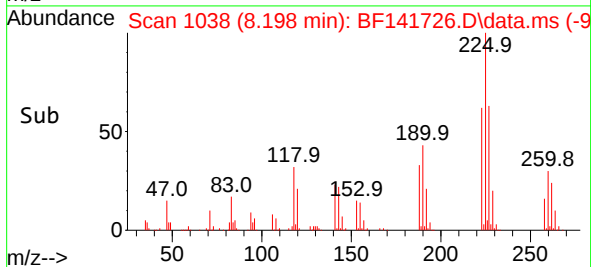
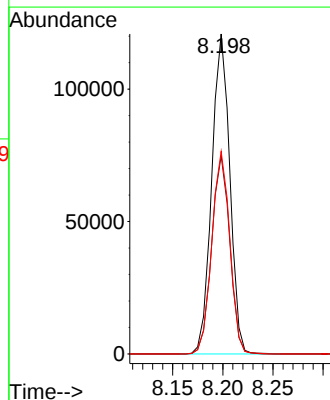
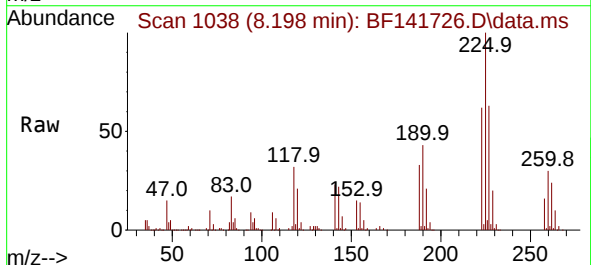
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

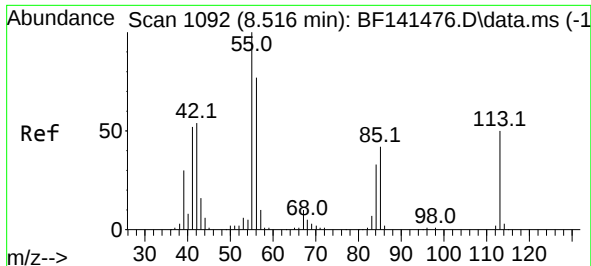
Tgt Ion:	127	Resp:	37431
Ion Ratio	Lower	Upper	
127	100		
129	32.5	26.5	39.7
65	31.2	26.4	39.6
92	20.0	15.3	22.9



#34
Hexachlorobutadiene
Concen: 42.725 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:	225	Resp:	151111
Ion Ratio	Lower	Upper	
225	100		
223	61.9	50.1	75.1
227	63.3	51.0	76.6

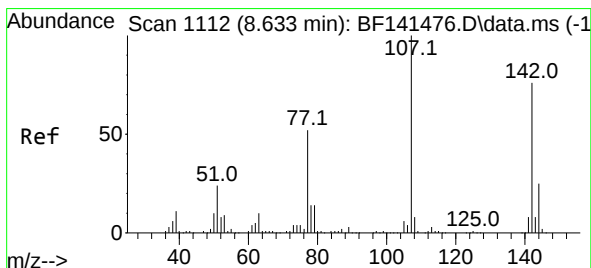
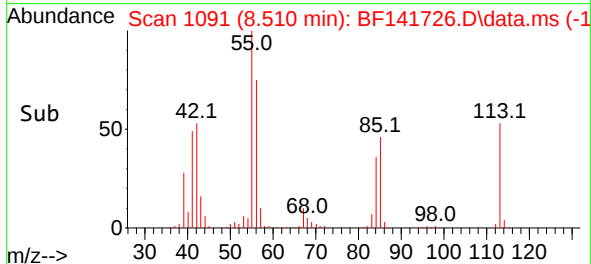
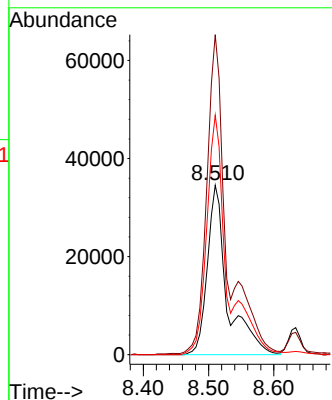
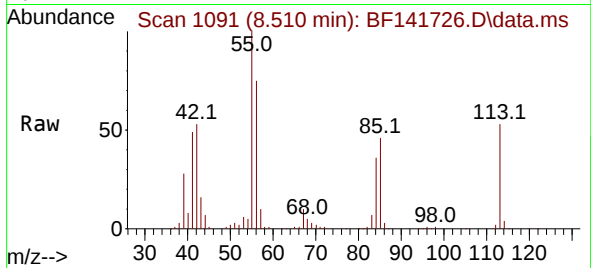




#35
 Caprolactam
 Concen: 44.759 ng m
 RT: 8.510 min Scan# 1092
 Delta R.T. -0.035 min
 Lab File: BF141726.D
 Acq: 21 Feb 2025 18:14

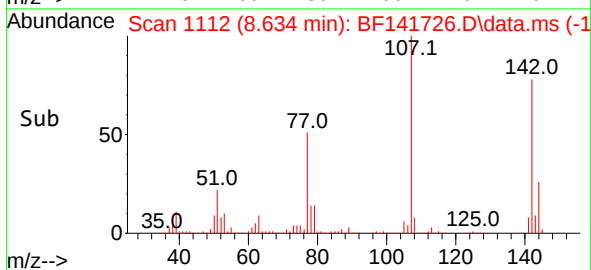
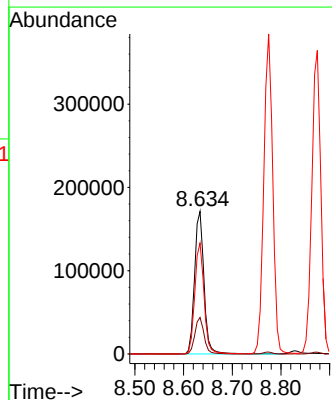
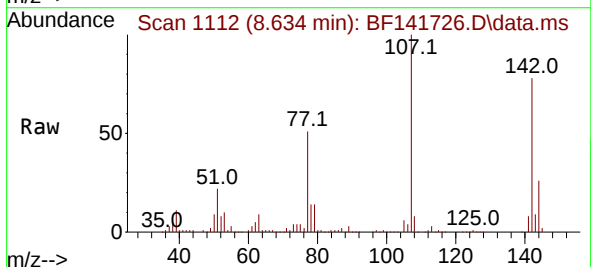
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

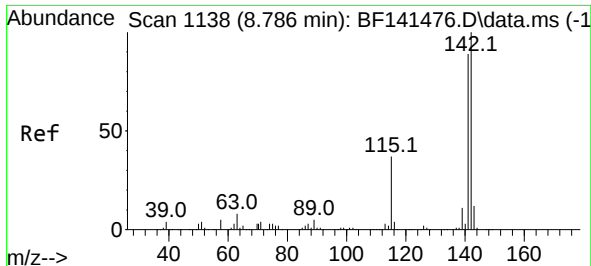
Tgt Ion:113 Resp: 73727
 Ion Ratio Lower Upper
 113 100
 55 188.8 180.8 220.8
 56 141.3 133.6 173.6



#36
 4-Chloro-3-methylphenol
 Concen: 38.461 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141726.D
 Acq: 21 Feb 2025 18:14

Tgt Ion:107 Resp: 230487
 Ion Ratio Lower Upper
 107 100
 144 25.6 19.7 29.5
 142 77.8 60.8 91.2

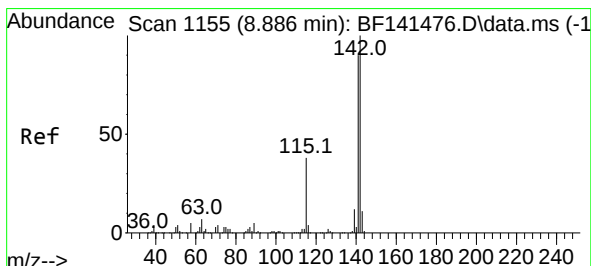
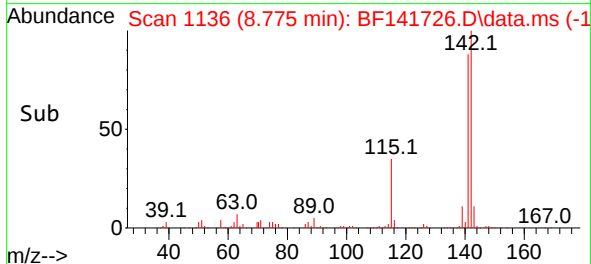
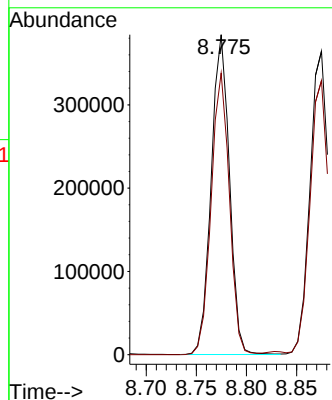
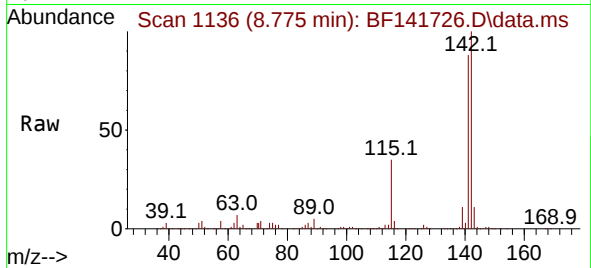




#37
2-Methylnaphthalene
Concen: 39.019 ng
RT: 8.775 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

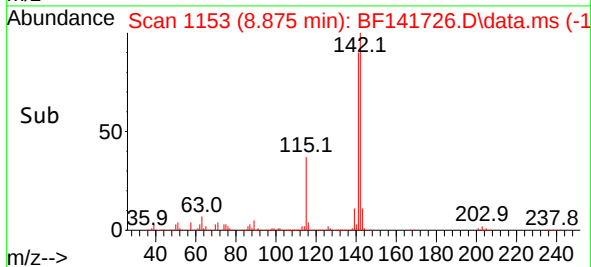
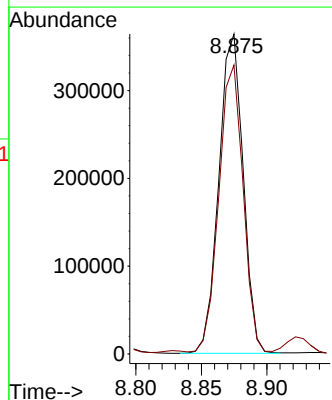
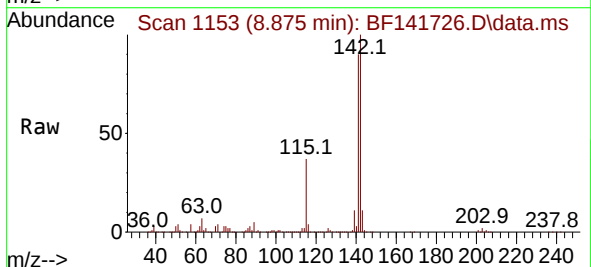
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

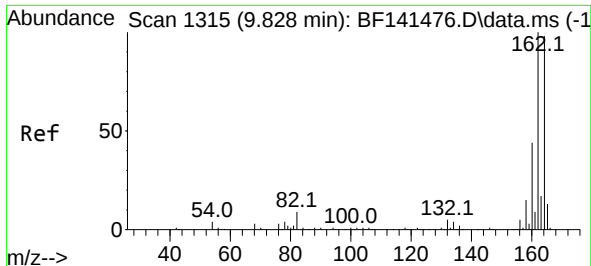
Tgt Ion:142 Resp: 487035
Ion Ratio Lower Upper
142 100
141 88.0 71.2 106.8



#38
1-Methylnaphthalene
Concen: 38.705 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

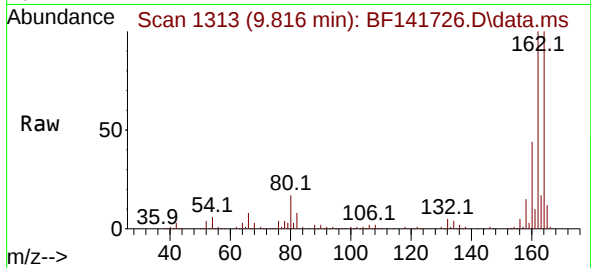
Tgt Ion:142 Resp: 467914
Ion Ratio Lower Upper
142 100
141 90.3 72.1 108.1





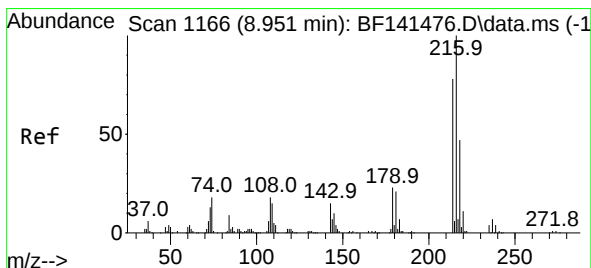
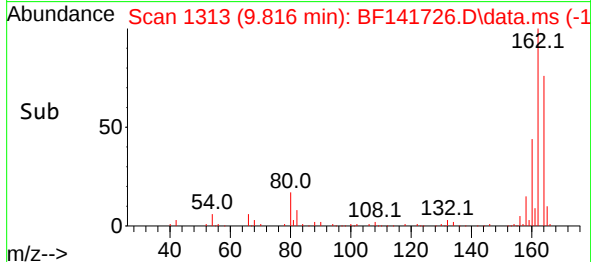
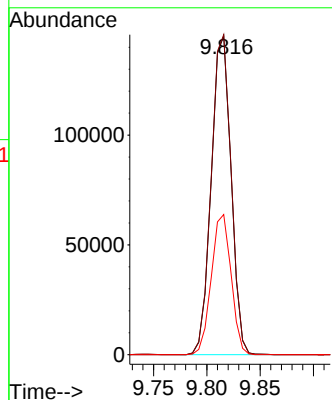
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1164
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:164 Resp: 187214

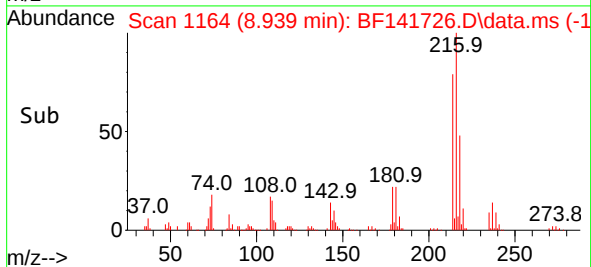
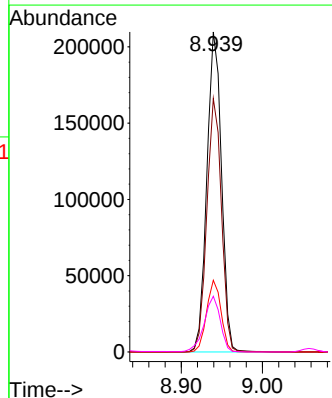
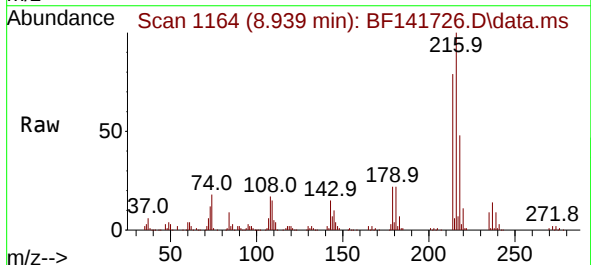
Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.3	121.9
160	44.0	35.9	53.9

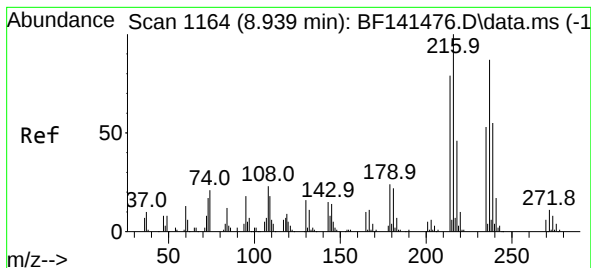


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.313 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:216 Resp: 261681

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.3	93.5
179	22.1	18.0	27.0
108	19.3	15.0	22.6





#41

Hexachlorocyclopentadiene

Concen: 110.780 ng

RT: 8.922 min Scan# 1161

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

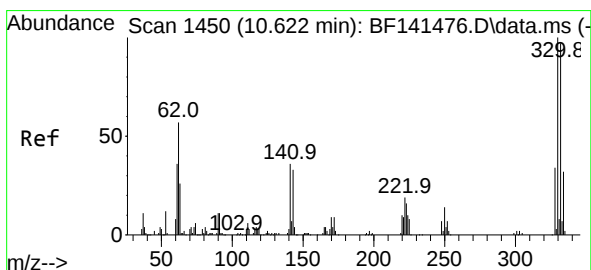
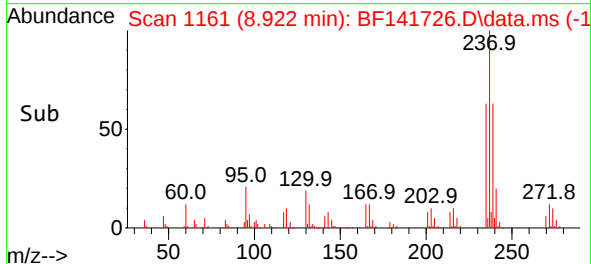
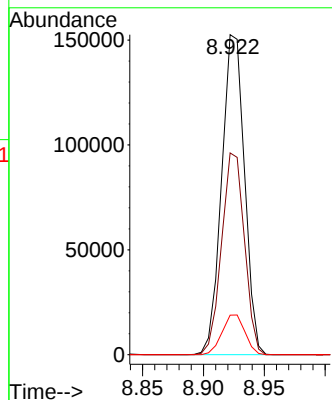
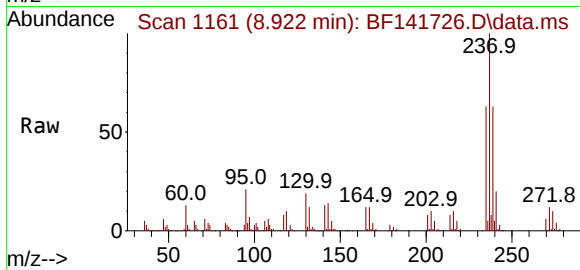
Tgt Ion:237 Resp: 199572

Ion Ratio Lower Upper

237 100

235 63.1 41.4 81.4

272 12.3 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 90.424 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

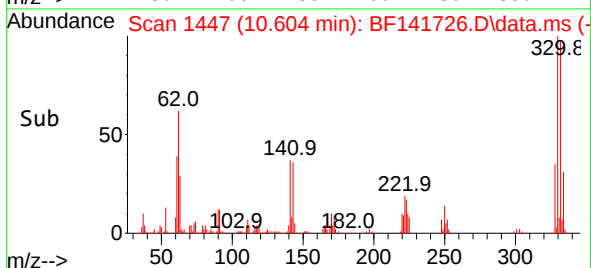
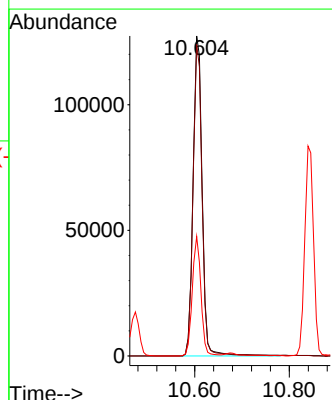
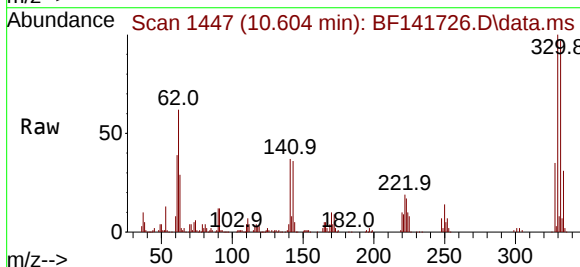
Tgt Ion:330 Resp: 170055

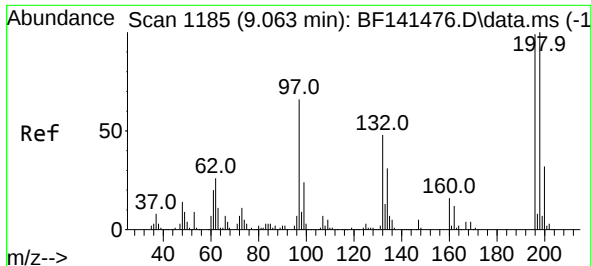
Ion Ratio Lower Upper

330 100

332 96.3 78.5 117.7

141 35.6 31.0 46.4

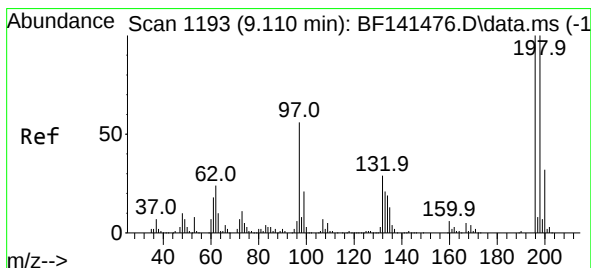
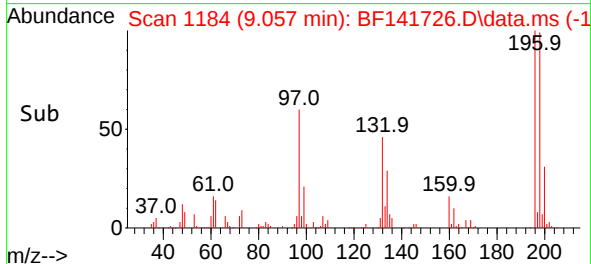
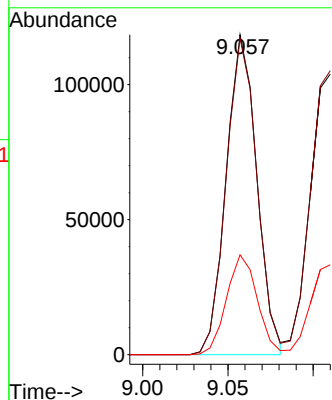
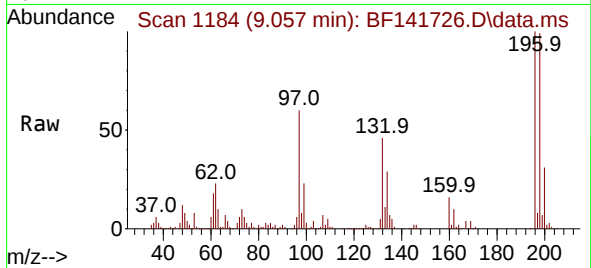




#43
2,4,6-Trichlorophenol
Concen: 42.389 ng
RT: 9.057 min Scan# 1184
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

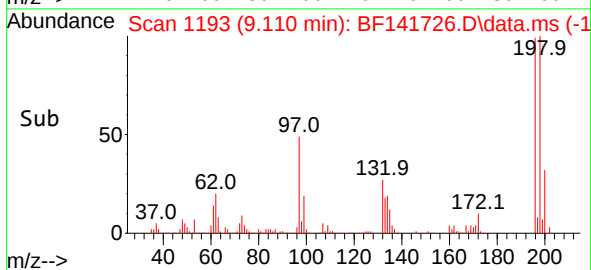
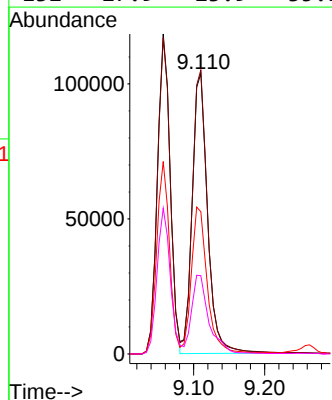
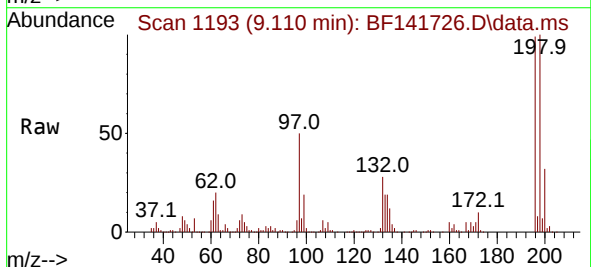
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:196 Resp: 148390
Ion Ratio Lower Upper
196 100
198 98.9 80.6 121.0
200 31.2 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 41.158 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:196 Resp: 156149
Ion Ratio Lower Upper
196 100
198 101.2 79.8 119.8
97 50.7 44.8 67.2
132 27.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 72.673 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

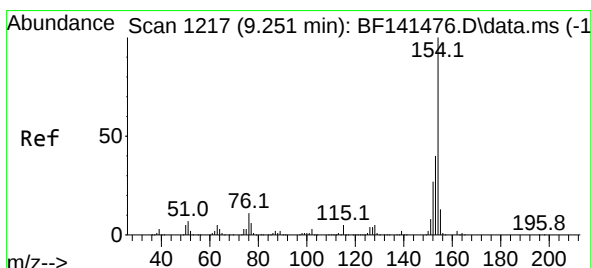
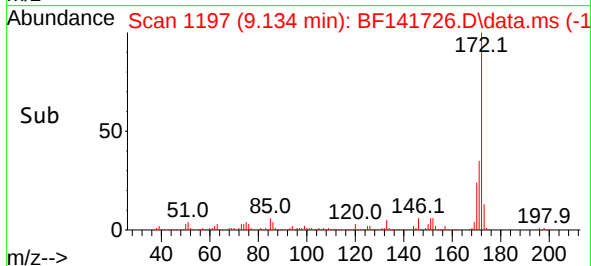
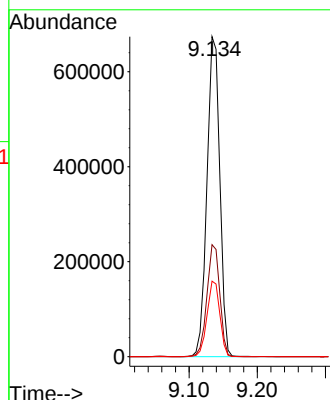
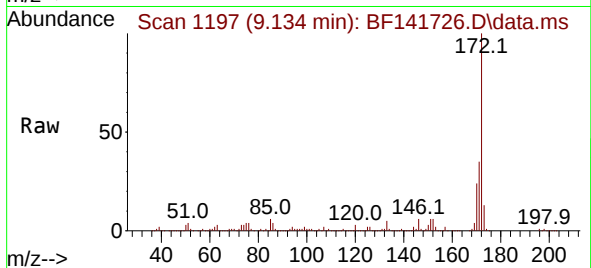
Tgt Ion:172 Resp: 883101

Ion Ratio Lower Upper

172 100

171 35.0 28.7 43.1

170 23.6 18.9 28.3



#46

1,1'-Biphenyl

Concen: 47.213 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

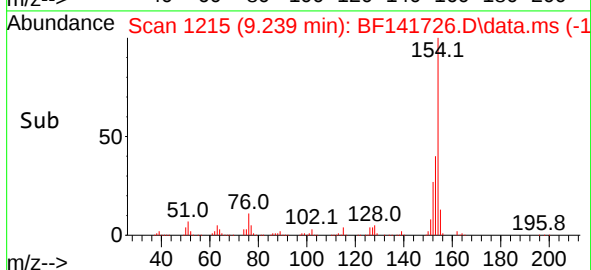
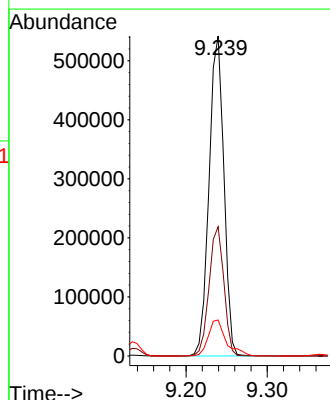
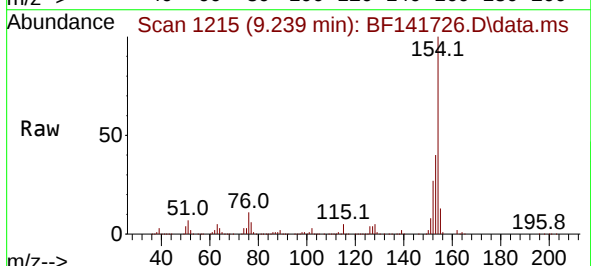
Tgt Ion:154 Resp: 685262

Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 11.2 0.0 30.8





#47

2-Chloronaphthalene

Concen: 43.157 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

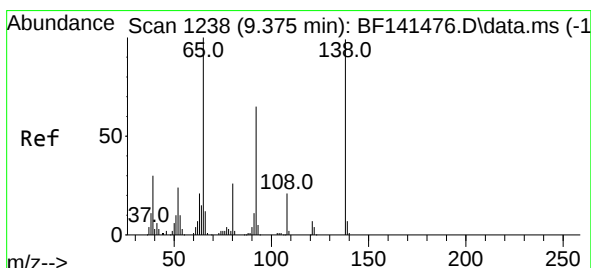
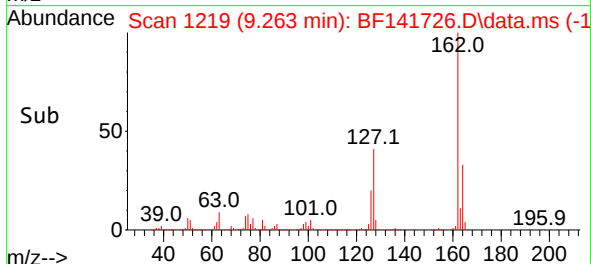
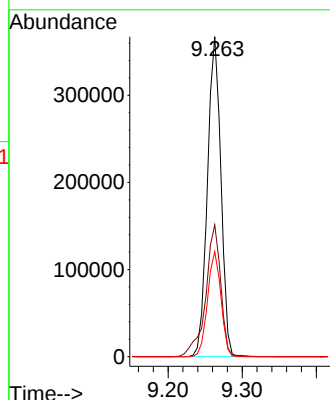
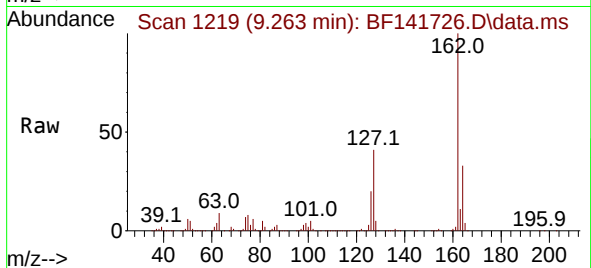
Tgt Ion:162 Resp: 463205

Ion Ratio Lower Upper

162 100

127 41.2 34.1 51.1

164 32.8 26.3 39.5



#48

2-Nitroaniline

Concen: 40.060 ng

RT: 9.363 min Scan# 1236

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

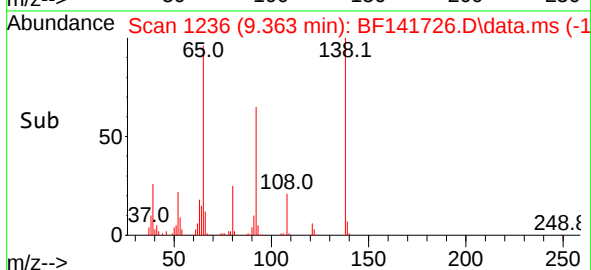
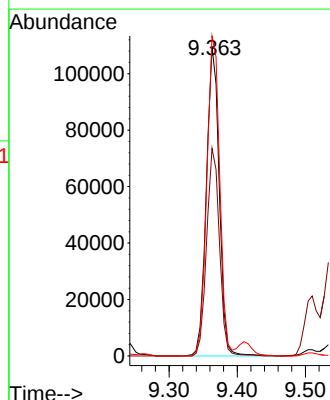
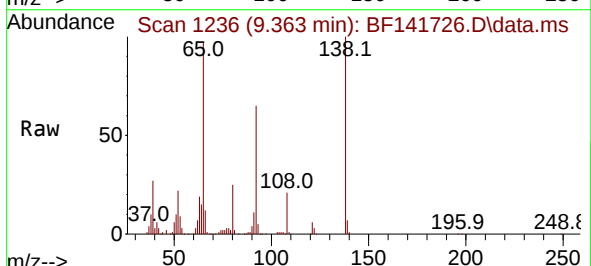
Tgt Ion: 65 Resp: 144295

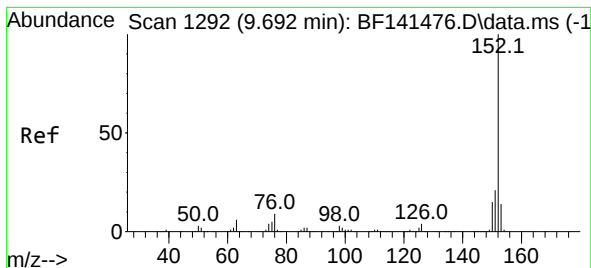
Ion Ratio Lower Upper

65 100

92 67.1 52.2 78.2

138 103.5 79.5 119.3





#49

Acenaphthylene

Concen: 42.950 ng

RT: 9.675 min Scan# 1289

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

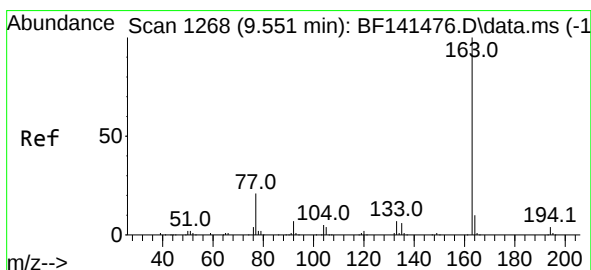
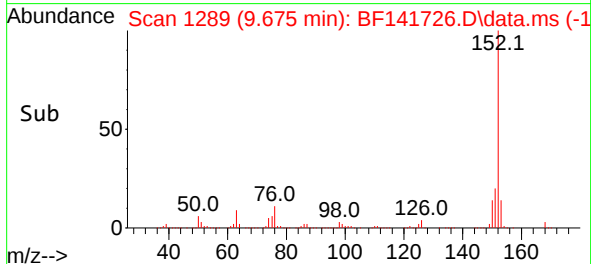
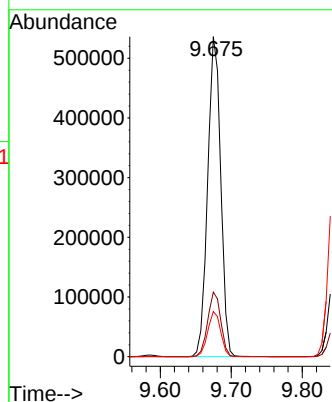
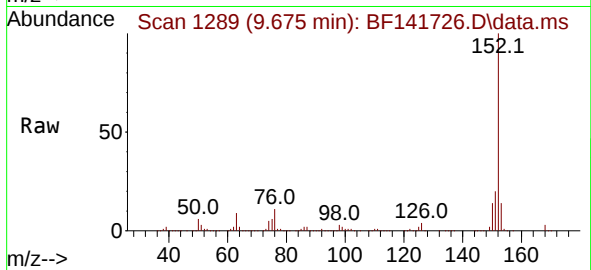
Tgt Ion:152 Resp: 685649

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 14.1 10.9 16.3



#50

Dimethylphthalate

Concen: 43.033 ng

RT: 9.539 min Scan# 1266

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

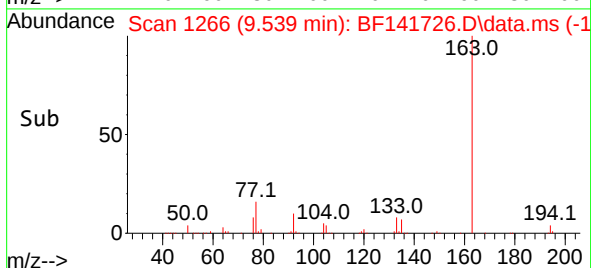
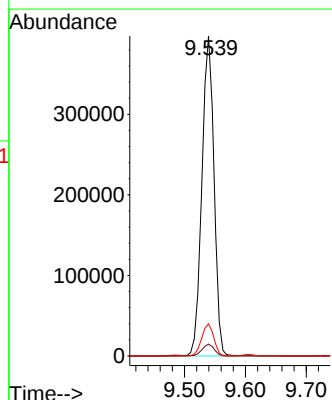
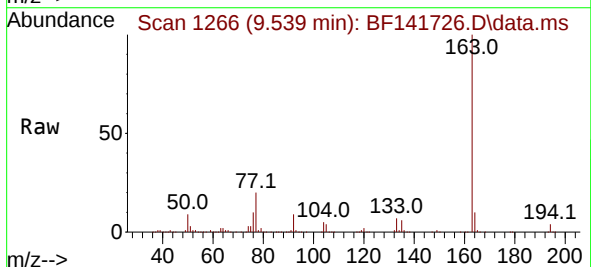
Tgt Ion:163 Resp: 546933

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

164 10.0 7.9 11.9

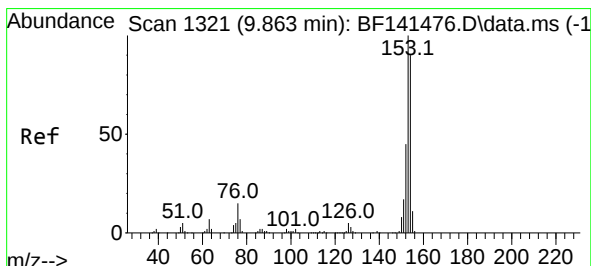
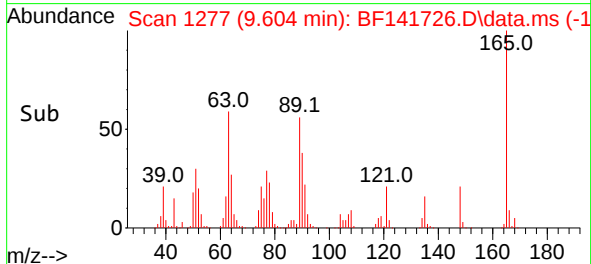
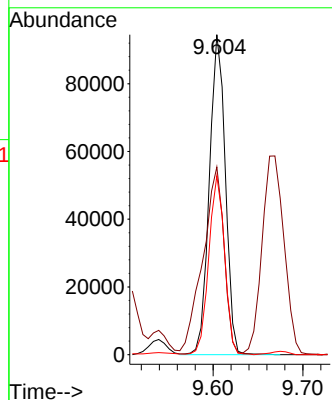
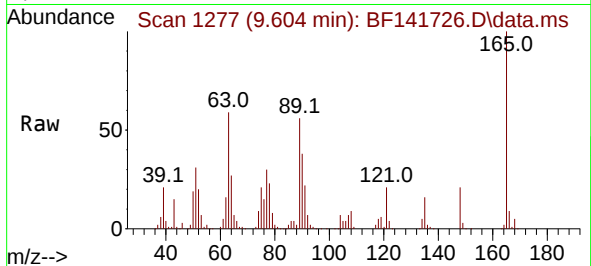




#51
2,6-Dinitrotoluene
Concen: 42.115 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

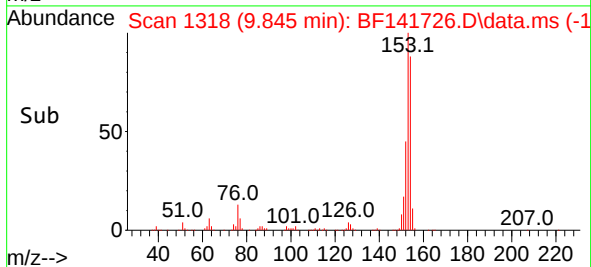
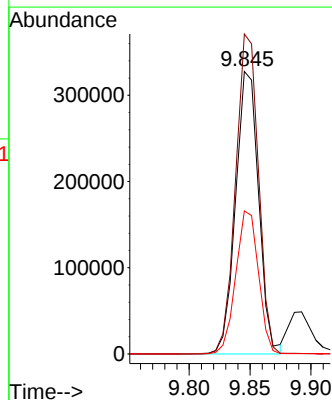
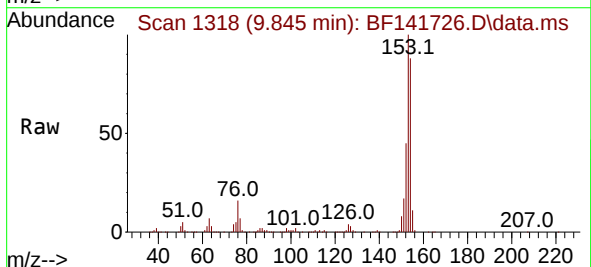
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

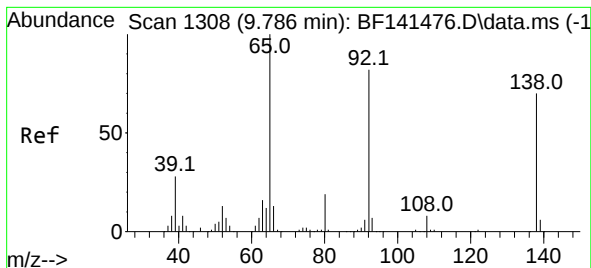
Tgt Ion:165 Resp: 117010
Ion Ratio Lower Upper
165 100
63 58.7 49.4 74.0
89 55.9 46.5 69.7



#52
Acenaphthene
Concen: 40.141 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:154 Resp: 430815
Ion Ratio Lower Upper
154 100
153 113.2 89.2 133.8
152 50.6 39.8 59.8





#53

3-Nitroaniline

Concen: 20.973 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

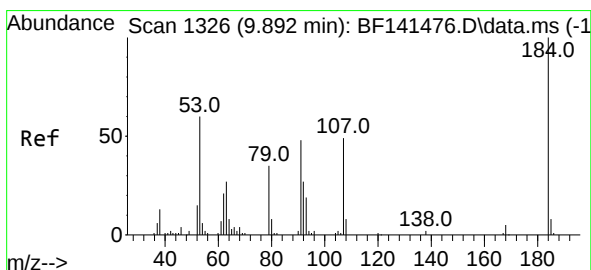
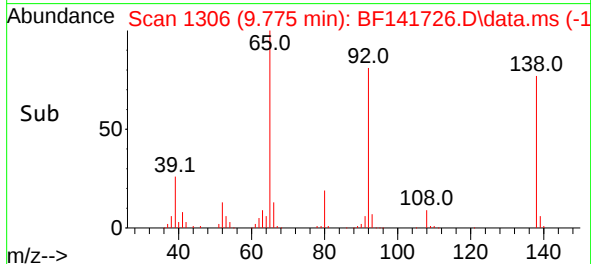
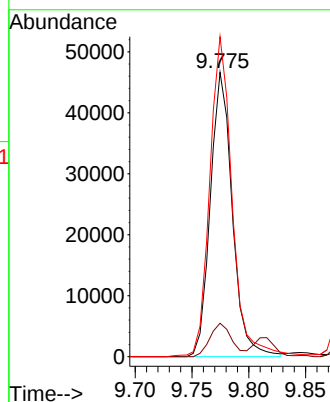
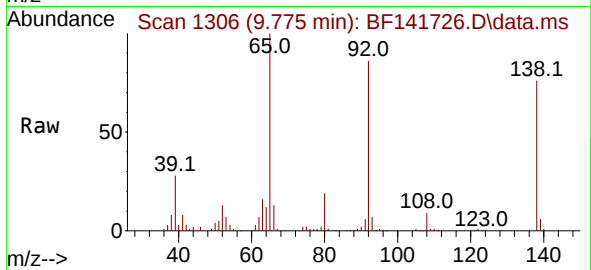
Tgt Ion:138 Resp: 62718

Ion Ratio Lower Upper

138 100

108 11.8 9.0 13.4

92 112.6 93.7 140.5



#54

2,4-Dinitrophenol

Concen: 64.268 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

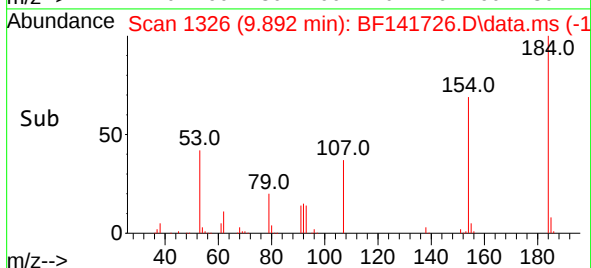
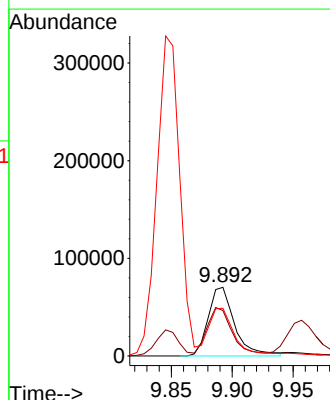
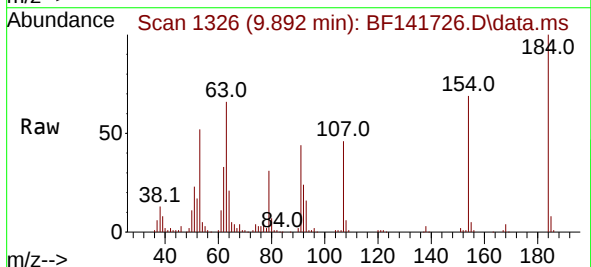
Tgt Ion:184 Resp: 106124

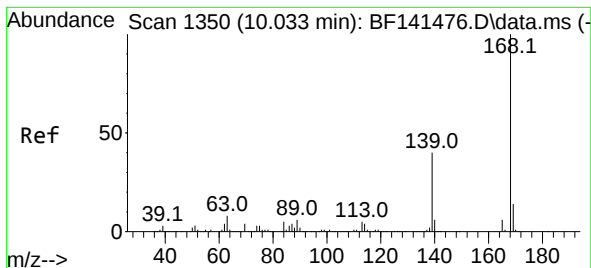
Ion Ratio Lower Upper

184 100

63 66.1 61.0 91.6

154 69.3 59.9 89.9

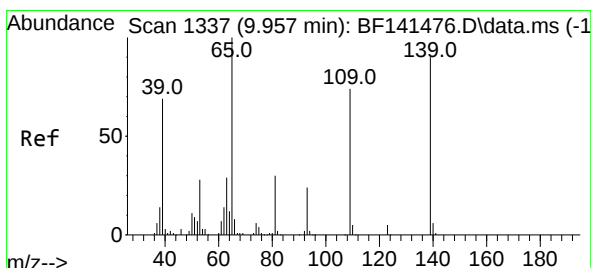
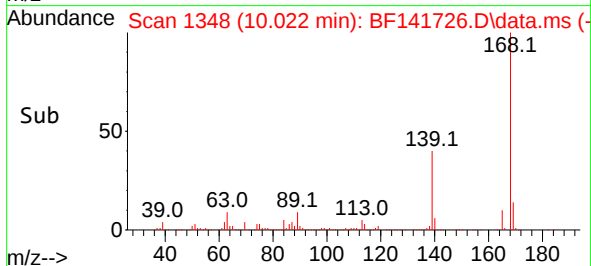
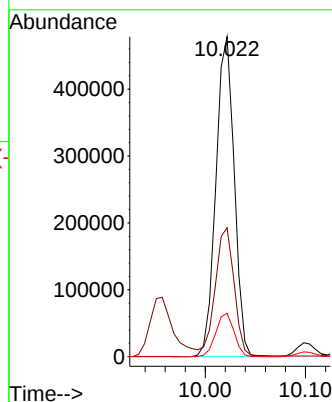
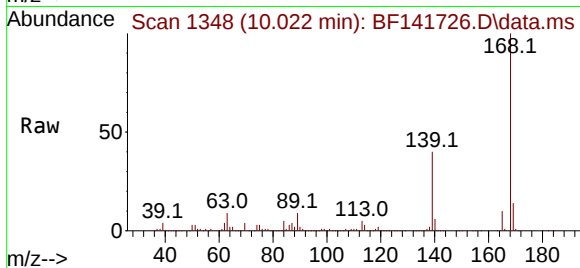




#55
Dibenzenofuran
Concen: 38.547 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

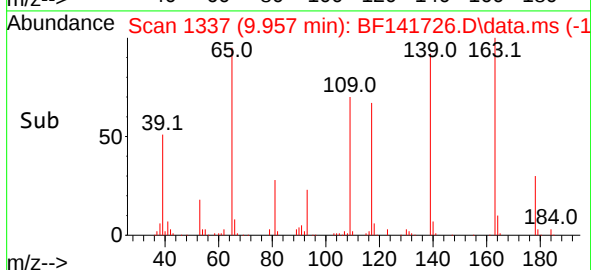
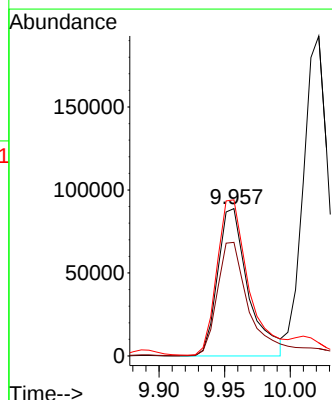
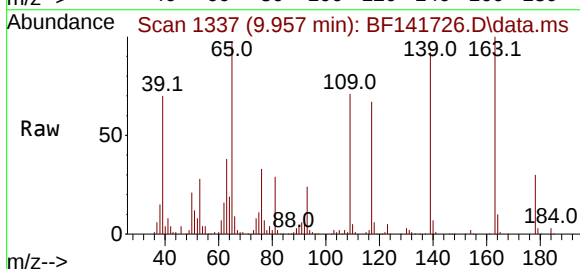
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

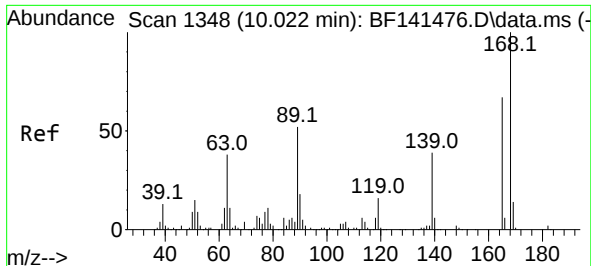
Tgt Ion:168 Resp: 607233
Ion Ratio Lower Upper
168 100
139 40.3 32.7 49.1
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 64.812 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:139 Resp: 143873
Ion Ratio Lower Upper
139 100
109 77.1 62.0 102.0
65 105.9 91.2 131.2

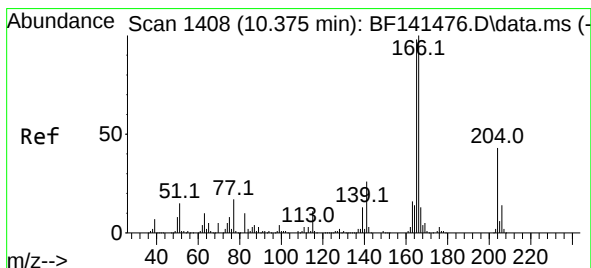
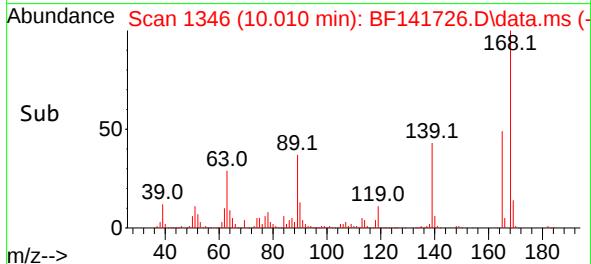
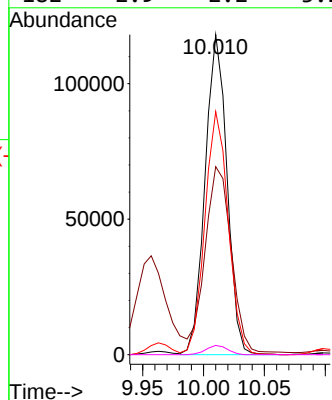
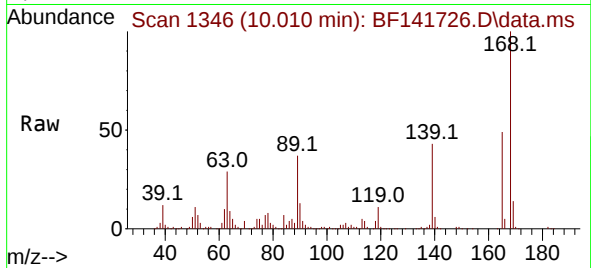




#57
2,4-Dinitrotoluene
Concen: 40.039 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

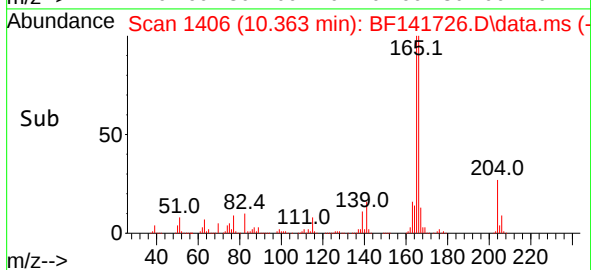
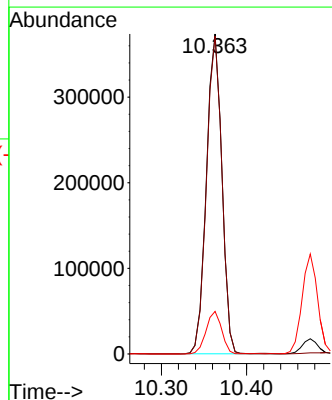
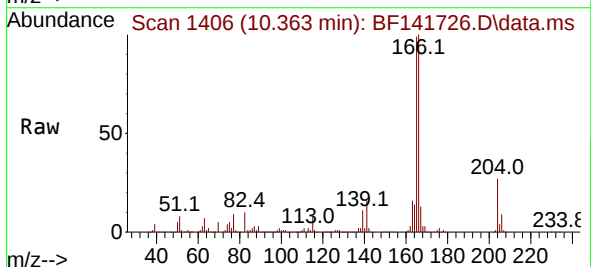
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

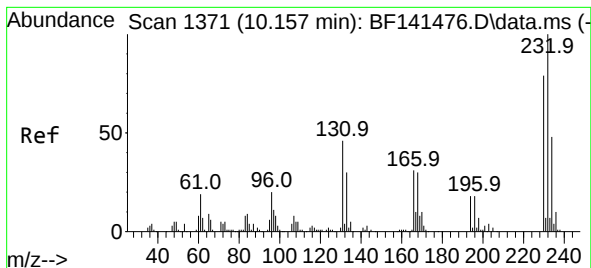
Tgt Ion:165 Resp: 148094
Ion Ratio Lower Upper
165 100
63 58.7 46.4 69.6
89 76.0 61.8 92.6
182 2.9 2.2 3.2



#58
Fluorene
Concen: 38.583 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:166 Resp: 469956
Ion Ratio Lower Upper
166 100
165 99.3 78.2 117.2
167 13.3 10.7 16.1

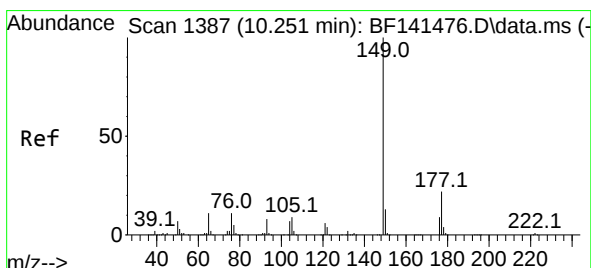
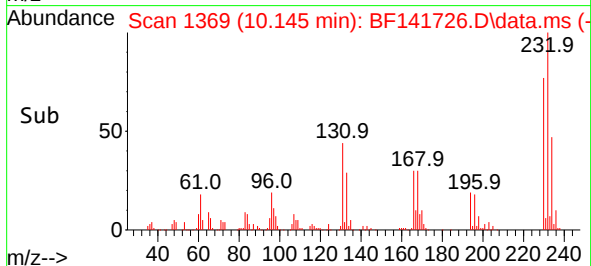
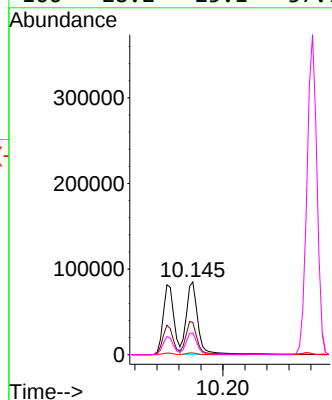
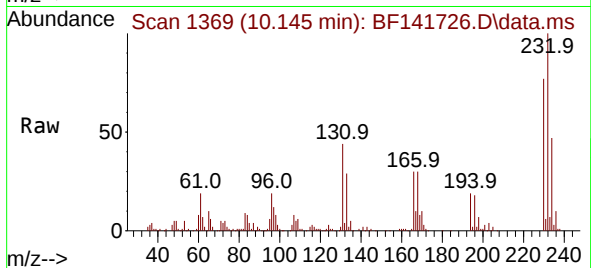




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.651 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

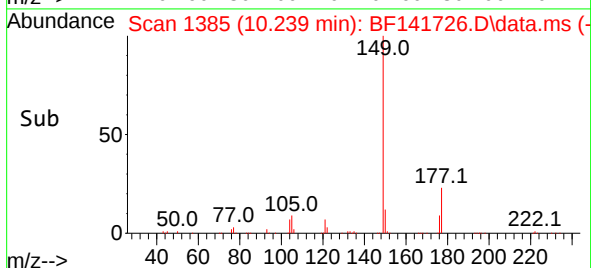
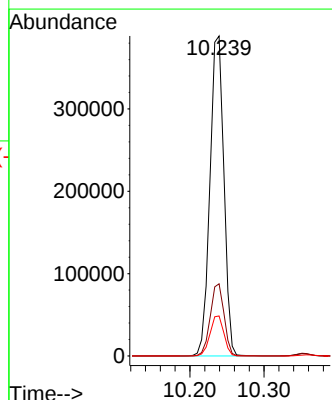
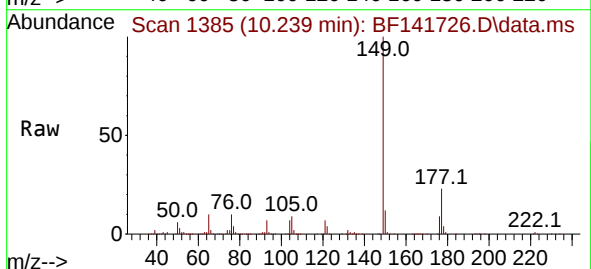
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

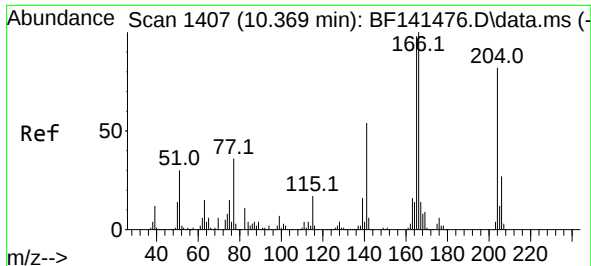
Tgt Ion:232 Resp: 122979
Ion Ratio Lower Upper
232 100
131 43.4 39.2 58.8
130 2.4 2.1 3.1
166 28.2 25.1 37.7



#60
Diethylphthalate
Concen: 40.648 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:149 Resp: 508283
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.6
150 12.5 10.1 15.1

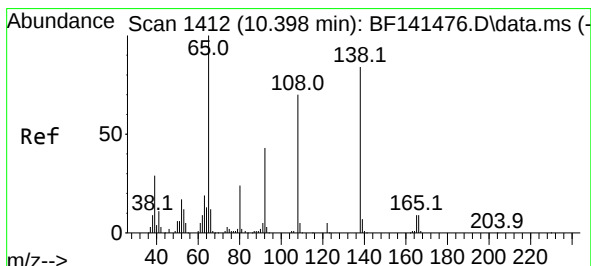
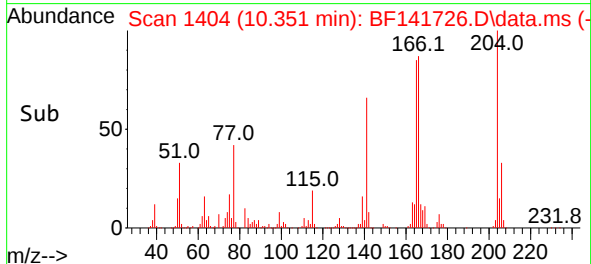
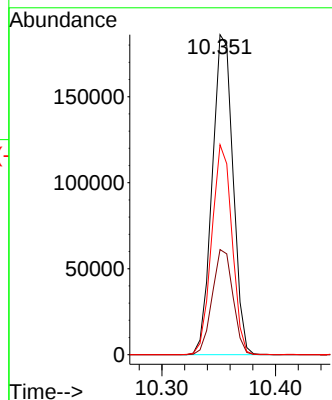
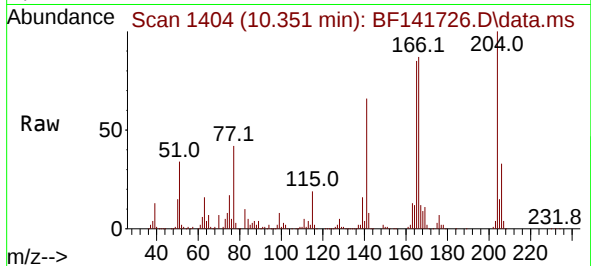




#61
4-Chlorophenyl-phenylether
Concen: 40.409 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.023 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

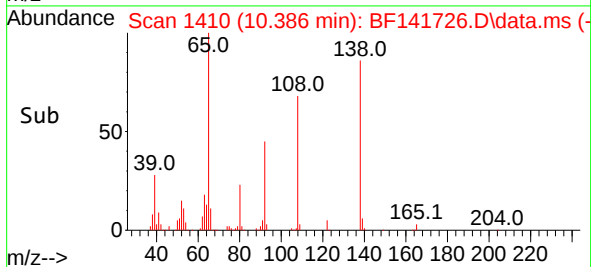
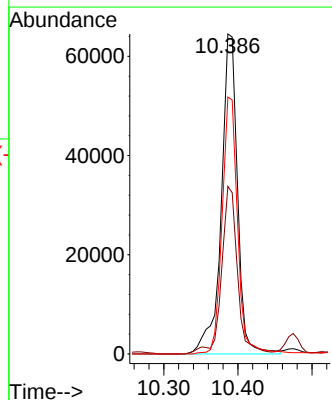
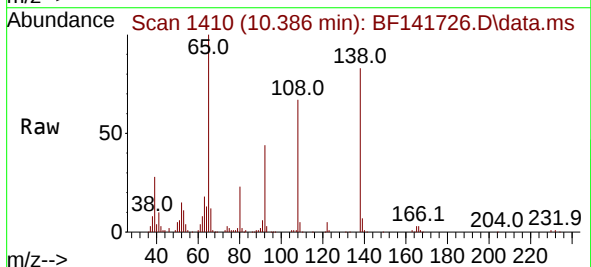
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

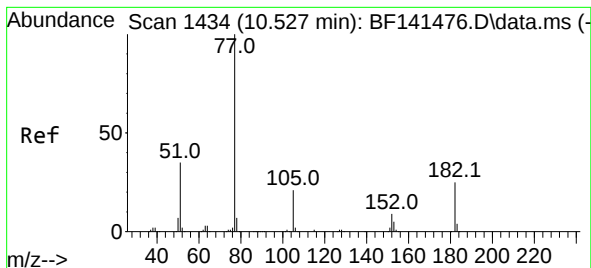
Tgt Ion:204 Resp: 236788
Ion Ratio Lower Upper
204 100
206 32.8 26.6 40.0
141 65.6 51.9 77.9



#62
4-Nitroaniline
Concen: 32.494 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:138 Resp: 98665
Ion Ratio Lower Upper
138 100
92 52.3 31.3 71.3
108 80.3 63.7 103.7





#63

Azobenzene

Concen: 45.445 ng

RT: 10.516 min Scan# 1432

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion: 77 Resp: 564933

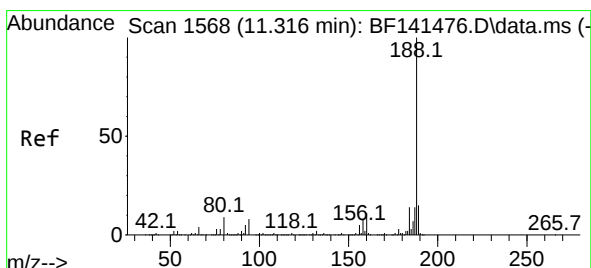
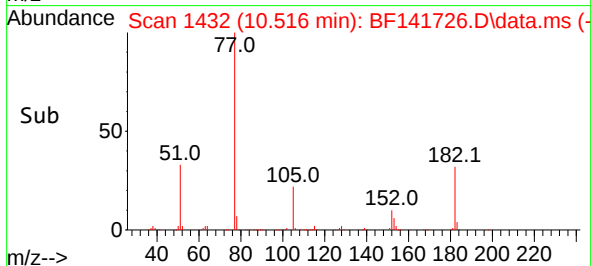
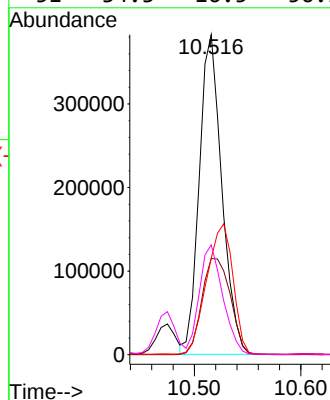
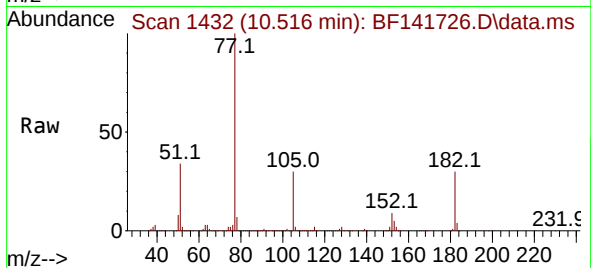
Ion Ratio Lower Upper

77 100

182 30.0 4.7 44.7

105 30.2 0.4 40.4

51 34.3 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

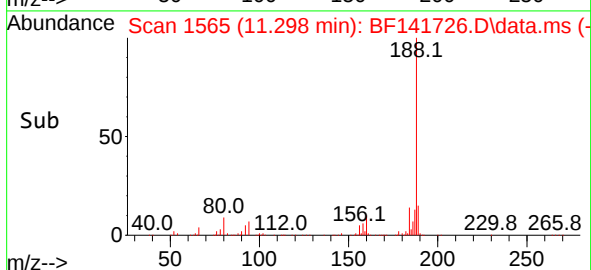
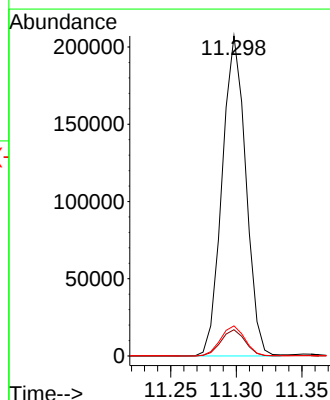
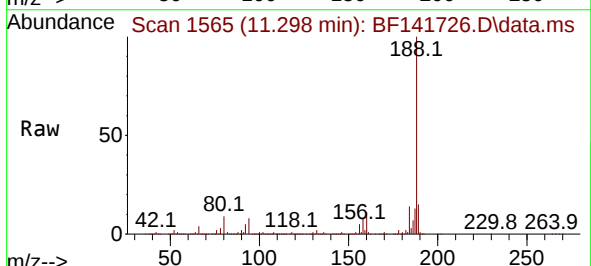
Tgt Ion: 188 Resp: 260341

Ion Ratio Lower Upper

188 100

94 8.2 6.6 10.0

80 9.4 7.3 10.9

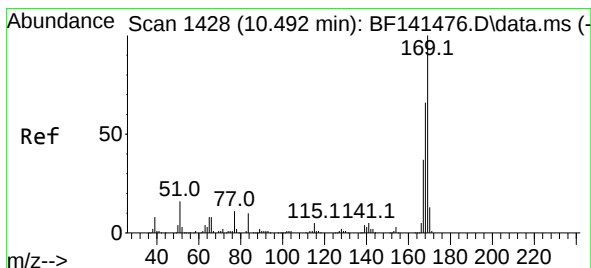
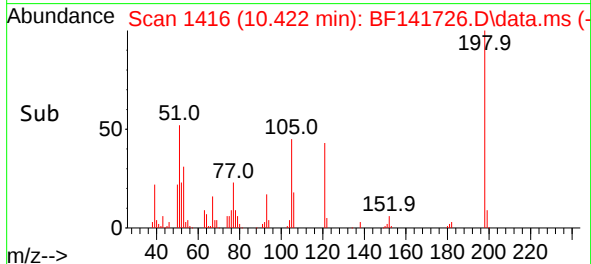
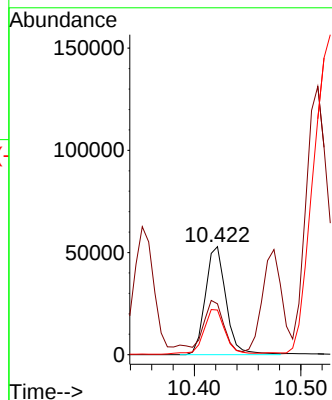
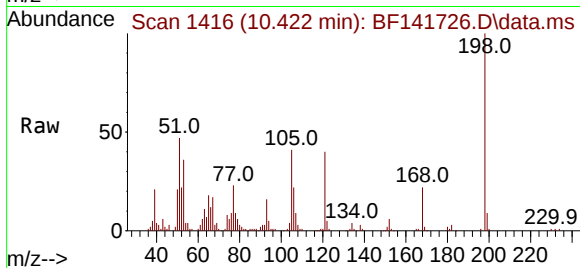




#65
4,6-Dinitro-2-methylphenol
Concen: 39.401 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

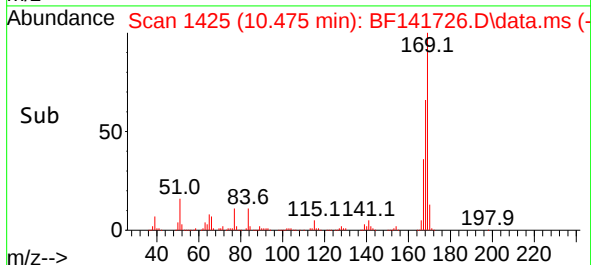
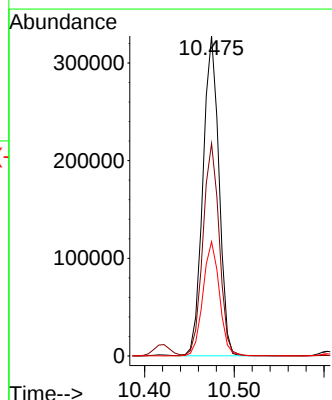
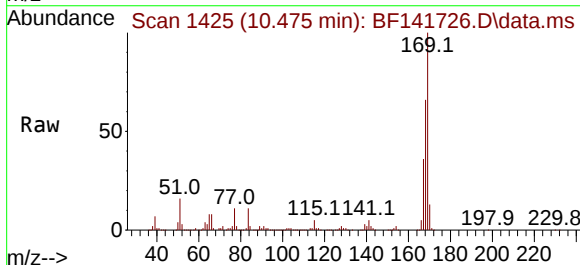
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

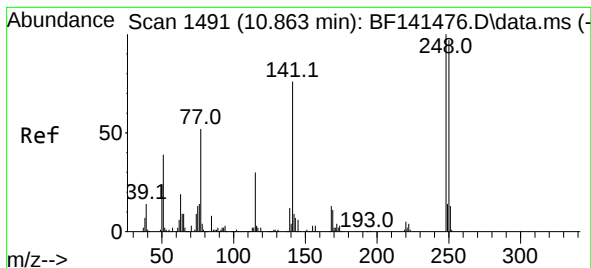
Tgt Ion:198 Resp: 71256
Ion Ratio Lower Upper
198 100
51 47.2 37.4 77.4
105 41.3 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 48.760 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:169 Resp: 406355
Ion Ratio Lower Upper
169 100
168 66.4 53.3 79.9
167 35.7 29.4 44.2

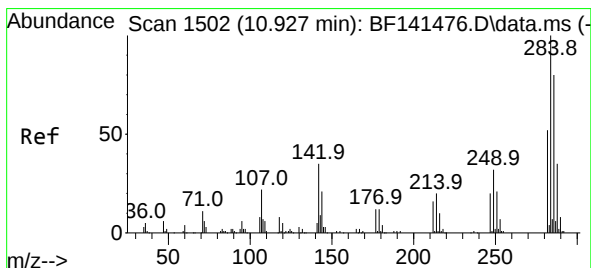
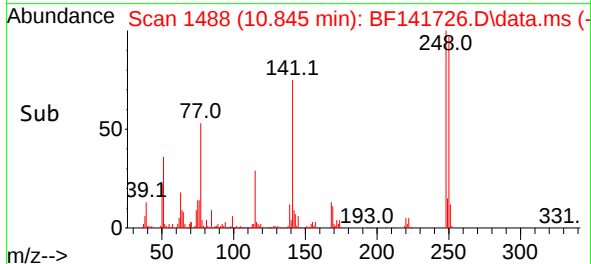
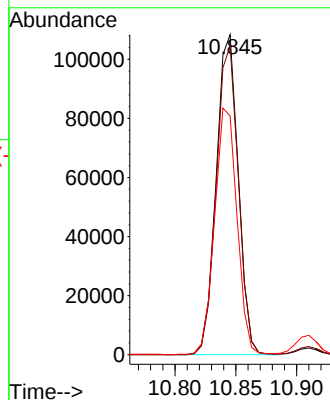
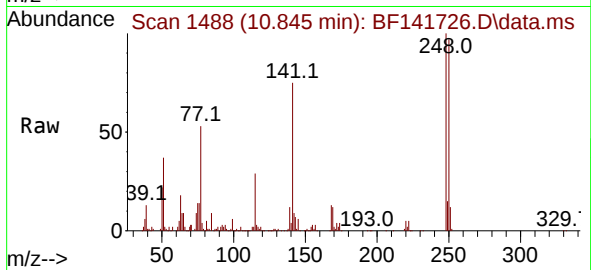




#67
4-Bromophenyl-phenylether
Concen: 47.070 ng
RT: 10.845 min Scan# 1488
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

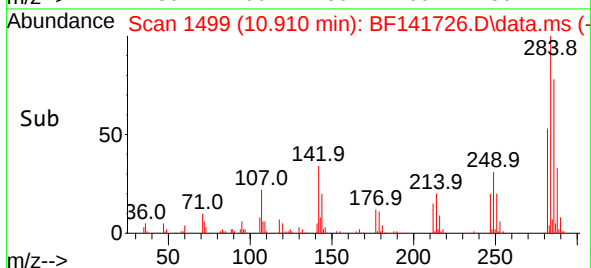
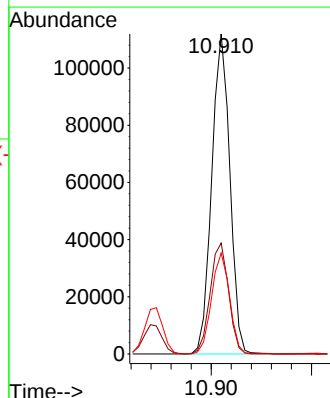
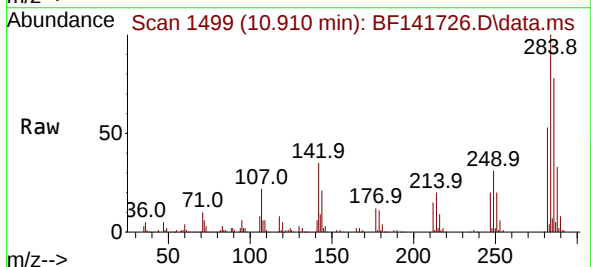
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

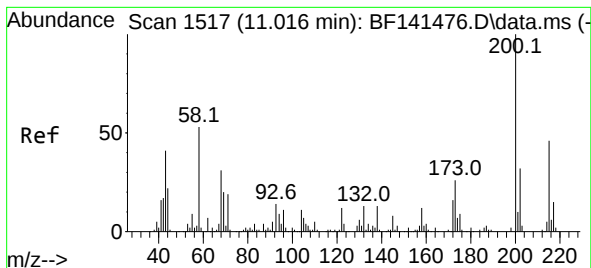
Tgt Ion:248 Resp: 136956
Ion Ratio Lower Upper
248 100
250 96.5 77.8 116.6
141 74.6 60.6 90.8



#68
Hexachlorobenzene
Concen: 46.768 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:284 Resp: 140125
Ion Ratio Lower Upper
284 100
142 34.6 28.0 42.0
249 31.5 25.8 38.8





#69

Atrazine

Concen: 57.726 ng

RT: 11.004 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

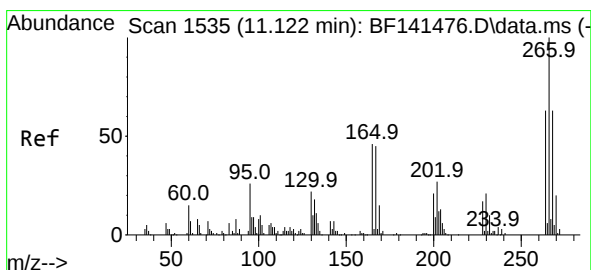
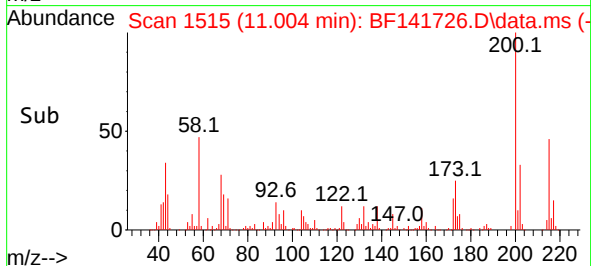
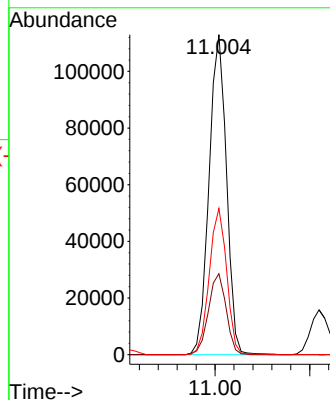
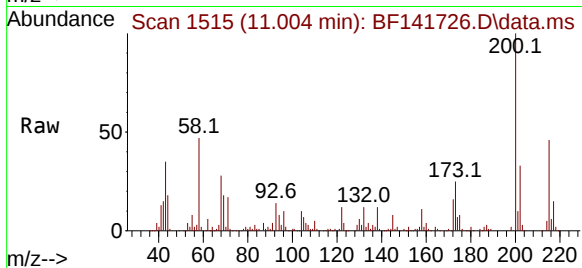
Tgt Ion:200 Resp: 144322

Ion Ratio Lower Upper

200 100

173 25.3 5.9 45.9

215 45.7 25.9 65.9



#70

Pentachlorophenol

Concen: 66.955 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

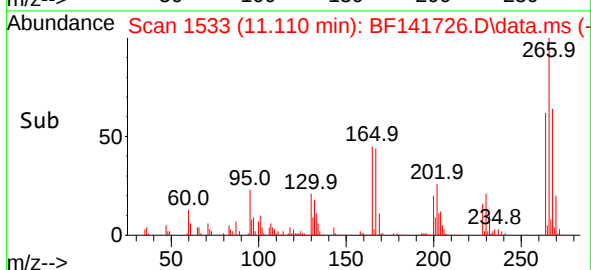
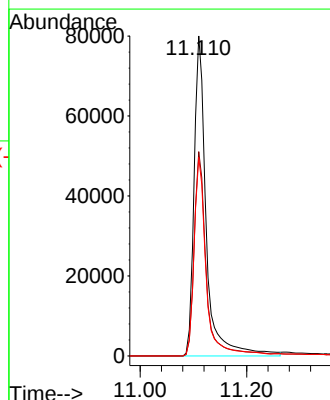
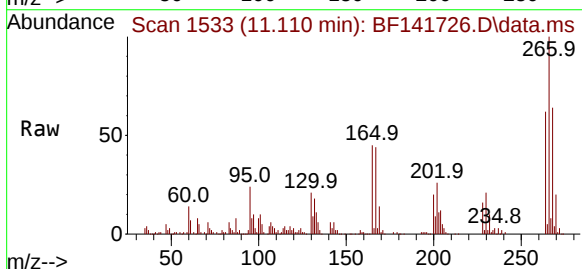
Tgt Ion:266 Resp: 128272

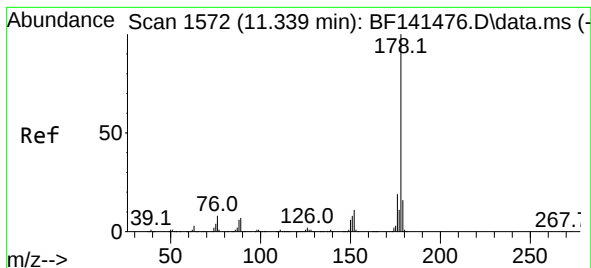
Ion Ratio Lower Upper

266 100

268 63.9 50.1 75.1

264 62.0 50.1 75.1





#71

Phenanthrene

Concen: 42.656 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

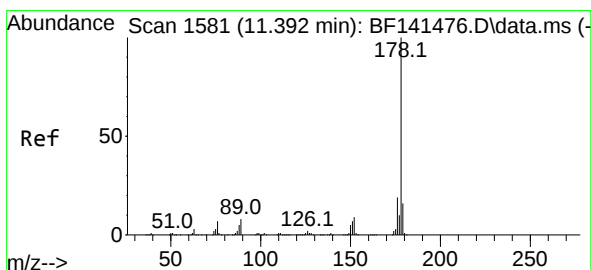
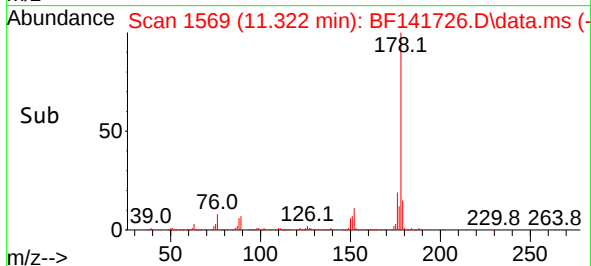
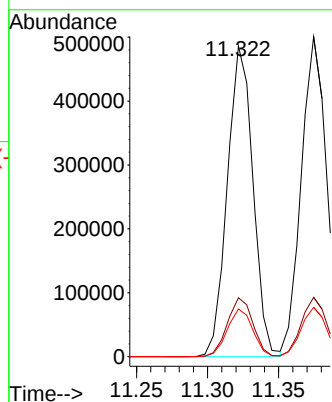
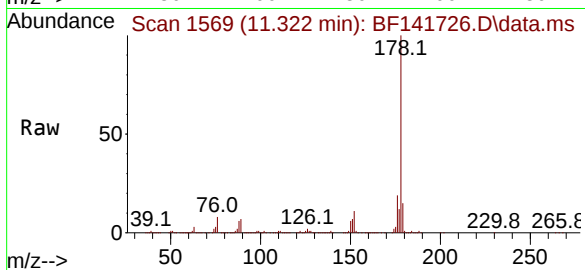
Tgt Ion:178 Resp: 611288

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.3 12.4 18.6



#72

Anthracene

Concen: 43.361 ng

RT: 11.375 min Scan# 1578

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

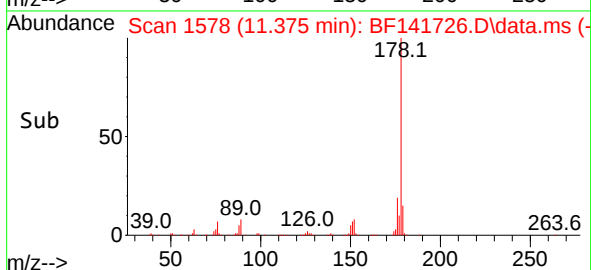
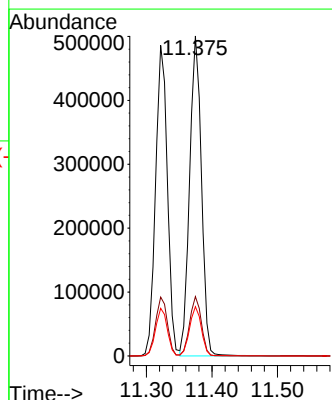
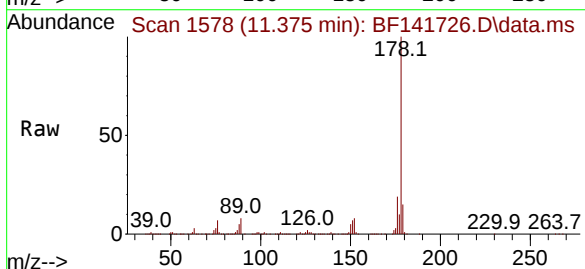
Tgt Ion:178 Resp: 624653

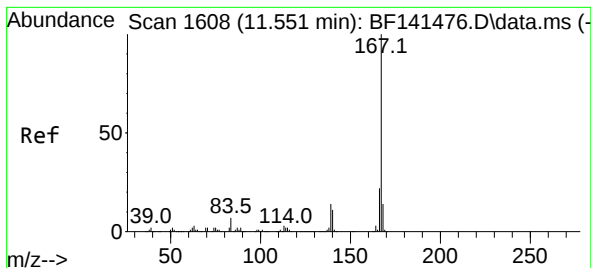
Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.4 12.4 18.6





#73

Carbazole

Concen: 40.040 ng

RT: 11.533 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

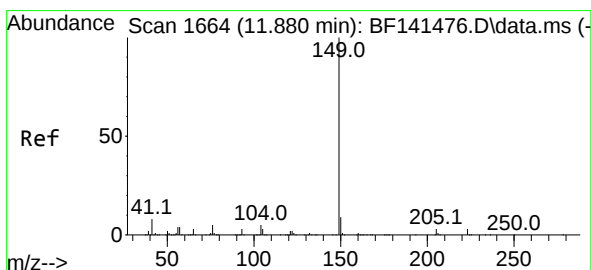
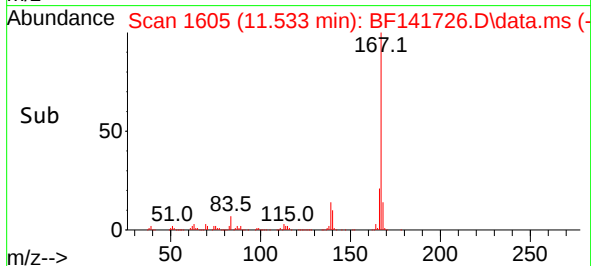
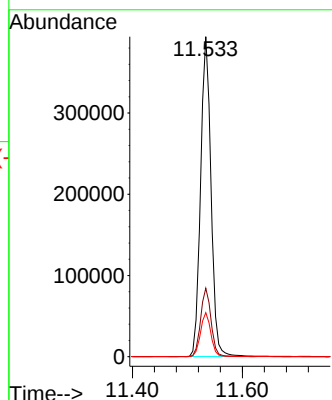
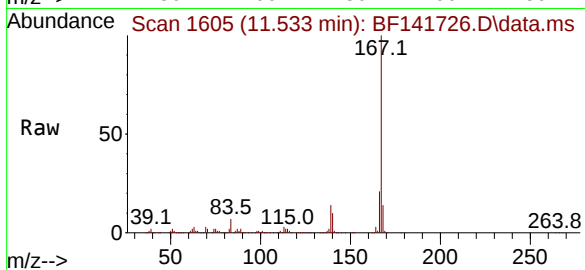
Tgt Ion:167 Resp: 519008

Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

139 13.7 10.9 16.3



#74

Di-n-butylphthalate

Concen: 43.605 ng

RT: 11.857 min Scan# 1660

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

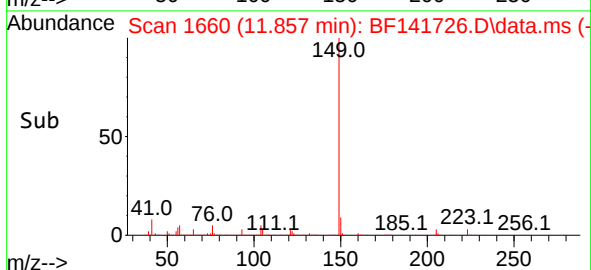
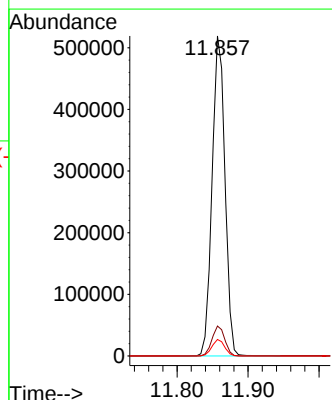
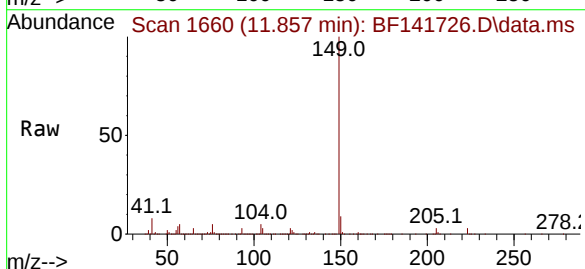
Tgt Ion:149 Resp: 652629

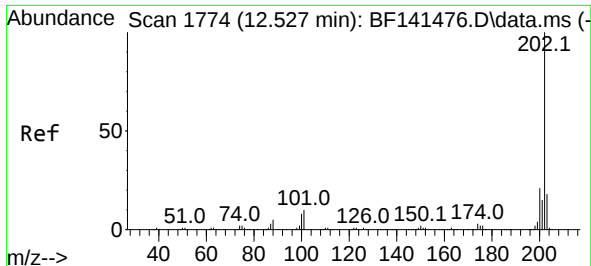
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

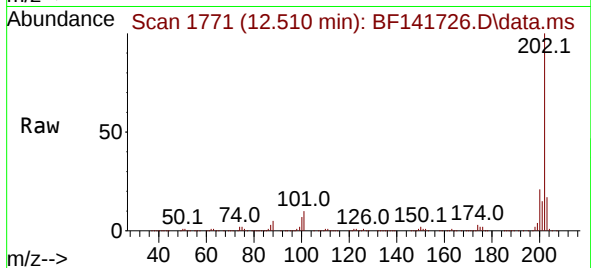
104 5.2 4.2 6.2



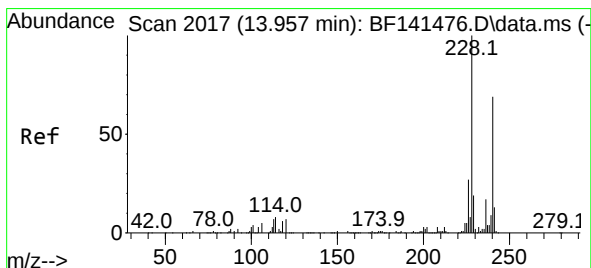
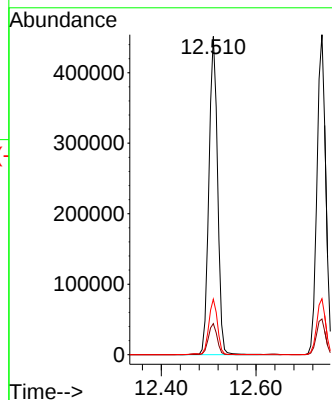


#75
Fluoranthene
Concen: 37.615 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

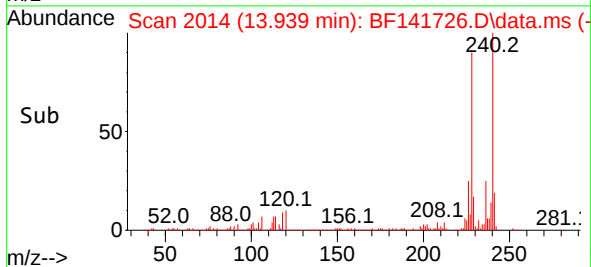
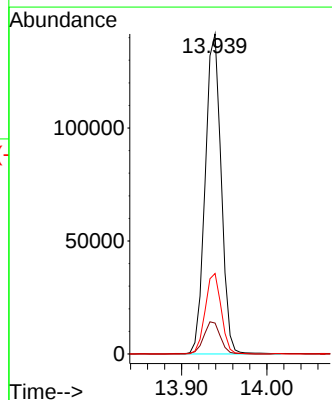
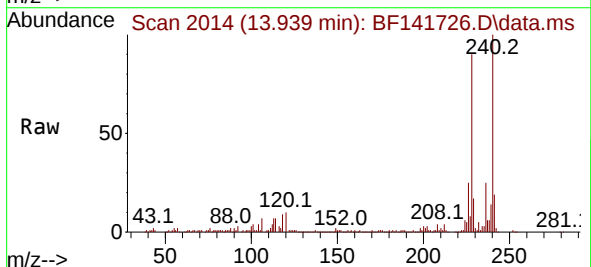


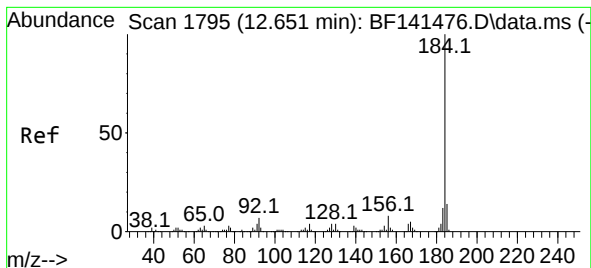
Tgt Ion:202 Resp: 571495
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:240 Resp: 184303
Ion Ratio Lower Upper
240 100
120 9.7 8.0 12.0
236 25.2 19.8 29.8





#77

Benzidine

Concen: 38.889 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

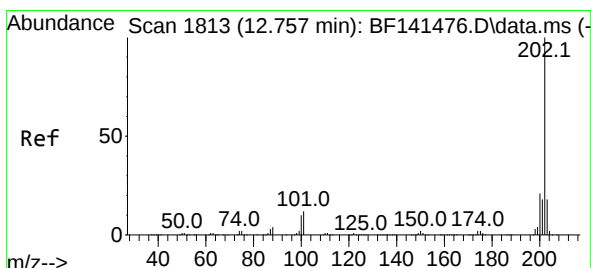
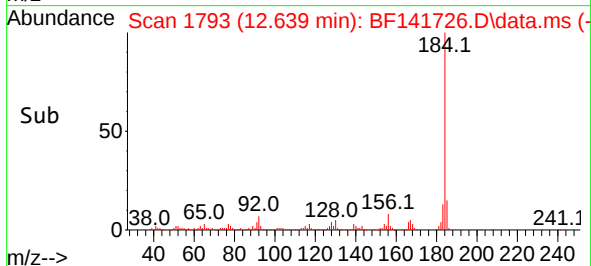
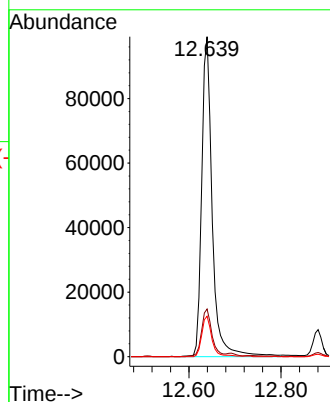
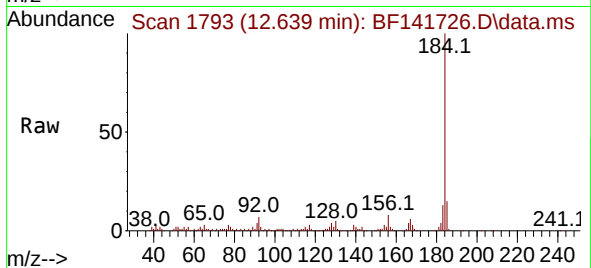
Tgt Ion:184 Resp: 158072

Ion Ratio Lower Upper

184 100

185 14.9 11.3 16.9

183 12.7 9.3 13.9



#78

Pyrene

Concen: 37.095 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

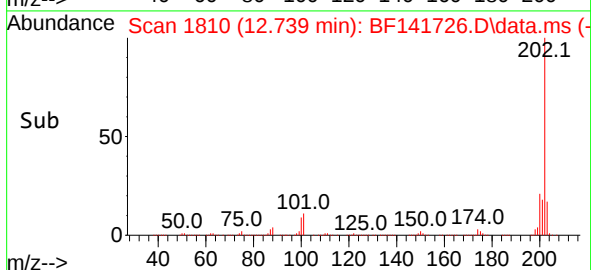
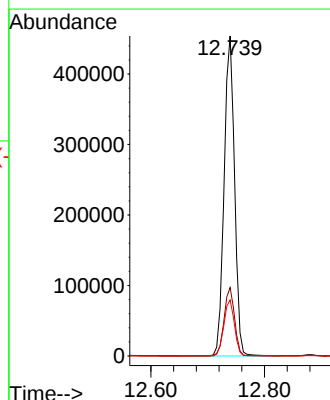
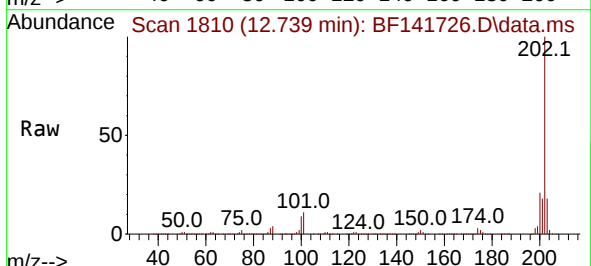
Tgt Ion:202 Resp: 581984

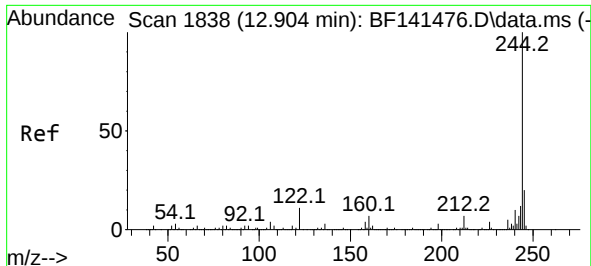
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

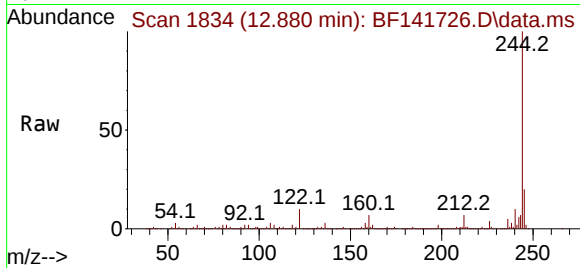
203 17.5 14.3 21.5



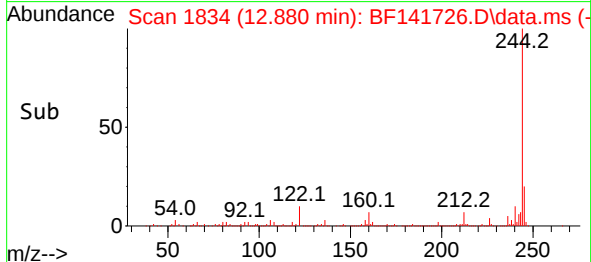
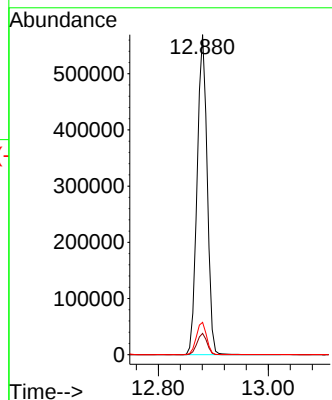


#79
 Terphenyl-d14
 Concen: 66.188 ng
 RT: 12.880 min Scan# 1834
 Delta R.T. -0.023 min
 Lab File: BF141726.D
 Acq: 21 Feb 2025 18:14

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

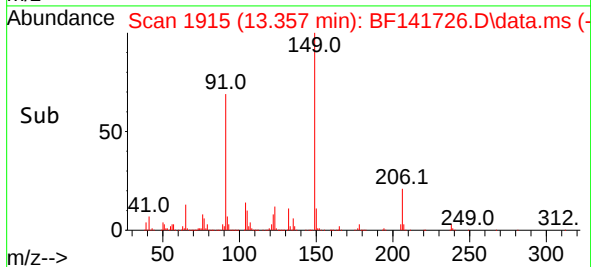
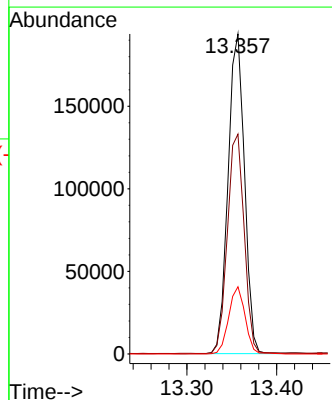
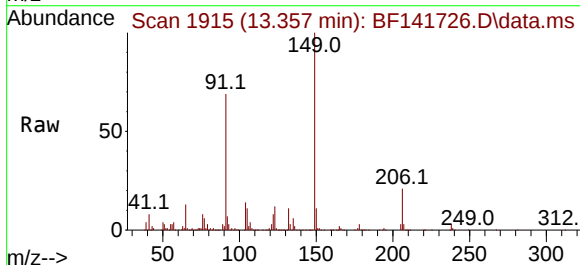


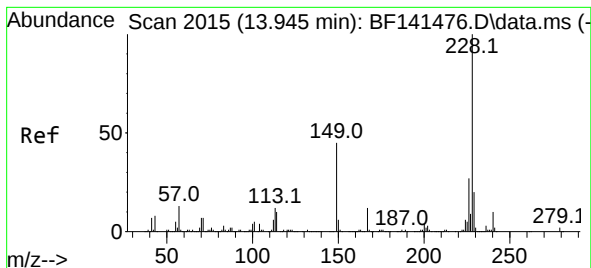
Tgt Ion:244 Resp: 722590
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.1 8.4 12.6



#80
 Butylbenzylphthalate
 Concen: 45.244 ng
 RT: 13.357 min Scan# 1915
 Delta R.T. -0.023 min
 Lab File: BF141726.D
 Acq: 21 Feb 2025 18:14

Tgt Ion:149 Resp: 245866
 Ion Ratio Lower Upper
 149 100
 91 68.7 57.8 86.8
 206 21.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 42.630 ng

RT: 13.927 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

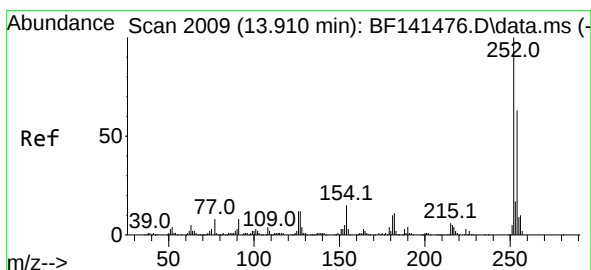
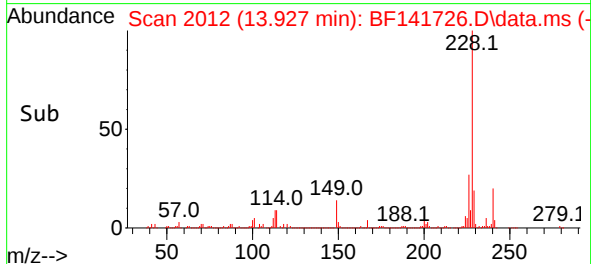
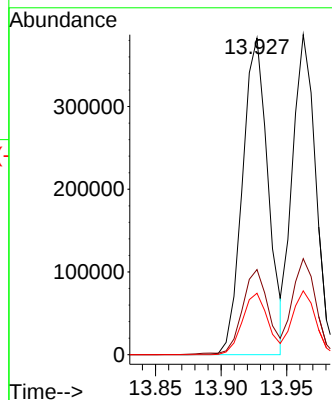
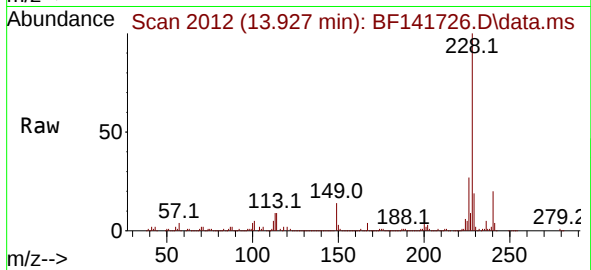
Tgt Ion:228 Resp: 522266

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

229 19.4 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 34.478 ng

RT: 13.892 min Scan# 2006

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

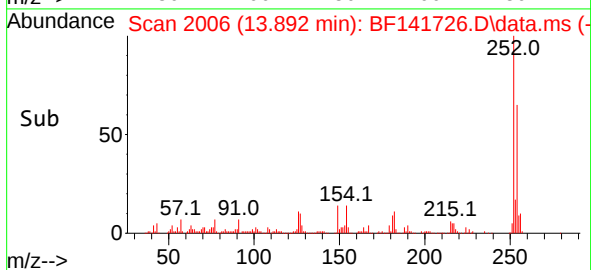
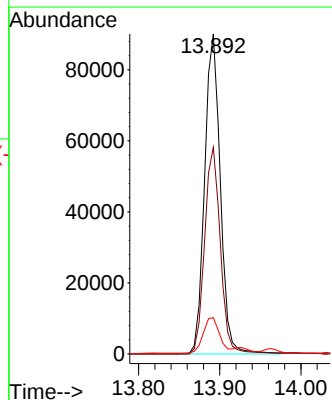
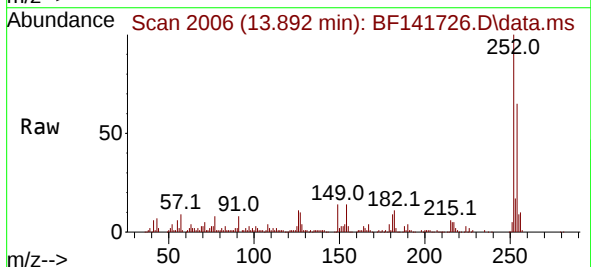
Tgt Ion:252 Resp: 120998

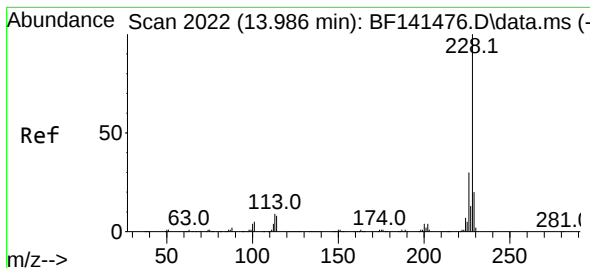
Ion Ratio Lower Upper

252 100

254 64.6 50.6 76.0

126 11.3 9.3 13.9





#83

Chrysene

Concen: 42.194 ng

RT: 13.963 min Scan# 2009

Delta R.T. -0.029 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

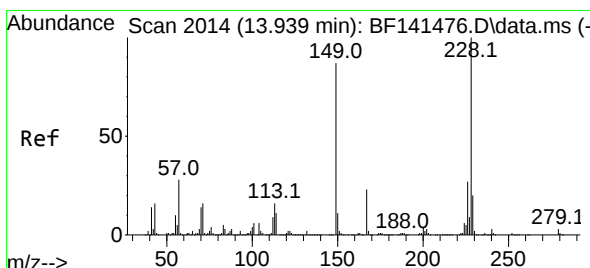
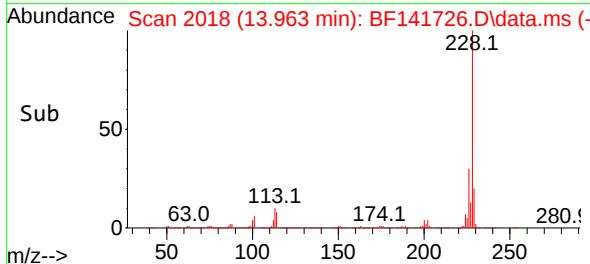
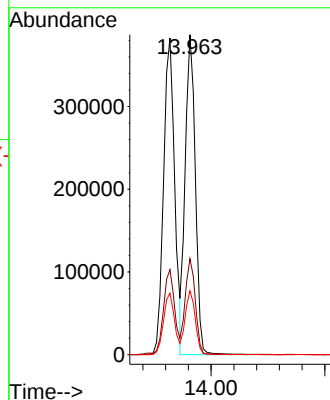
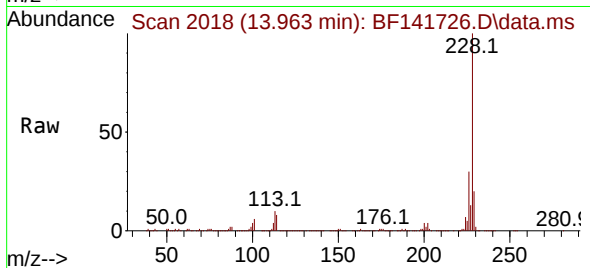
Tgt Ion:228 Resp: 477306

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.054 ng

RT: 13.910 min Scan# 2009

Delta R.T. -0.029 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

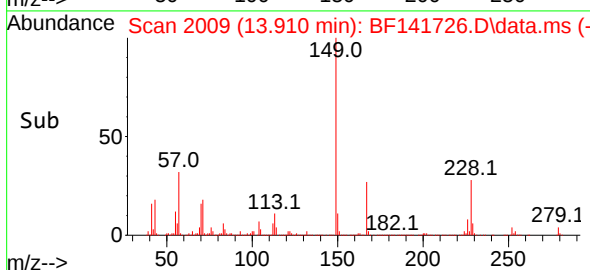
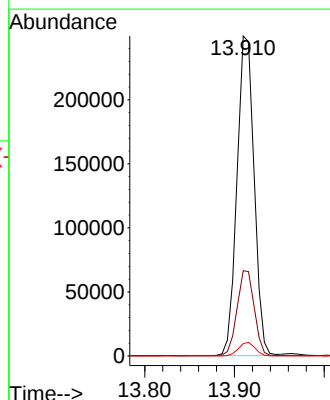
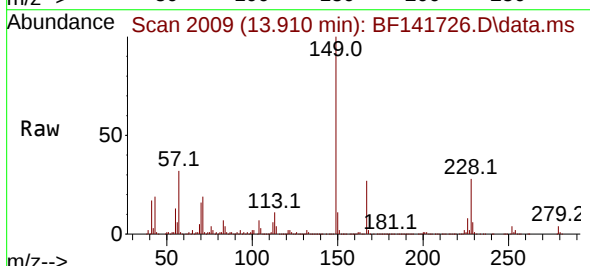
Tgt Ion:149 Resp: 331301

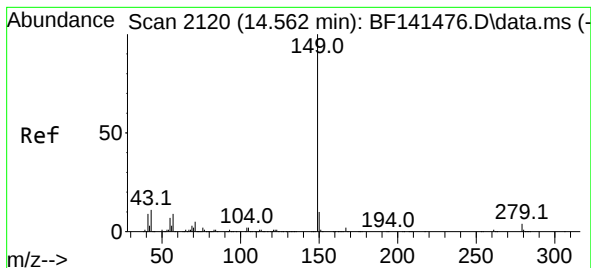
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 62.159 ng

RT: 14.521 min Scan# 2113

Delta R.T. -0.041 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

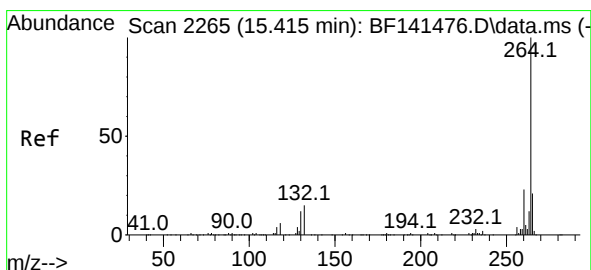
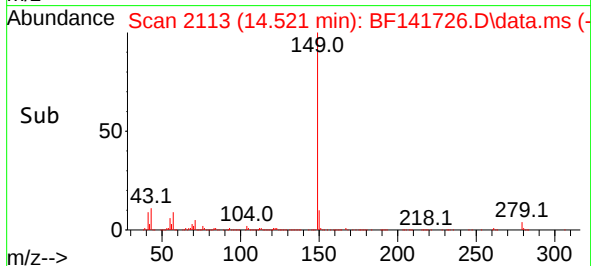
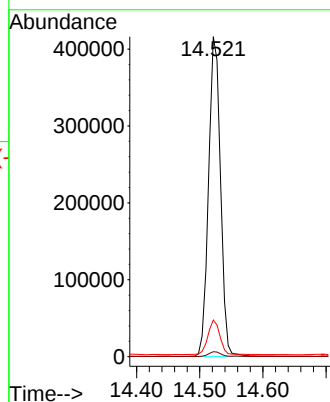
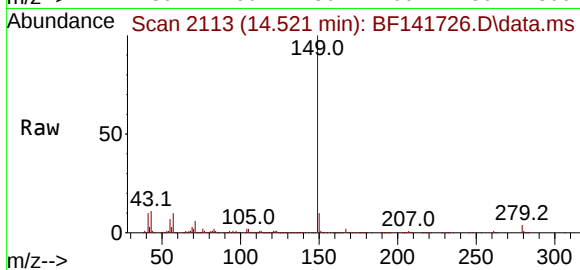
Tgt Ion:149 Resp: 543489

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.9 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: BF141726.D

Acq: 21 Feb 2025 18:14

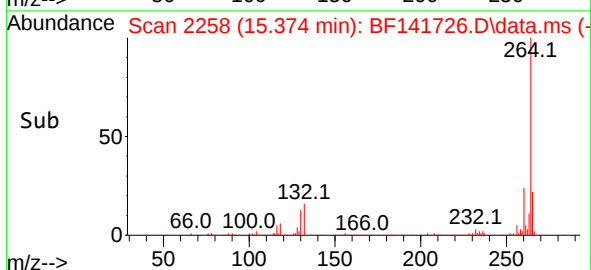
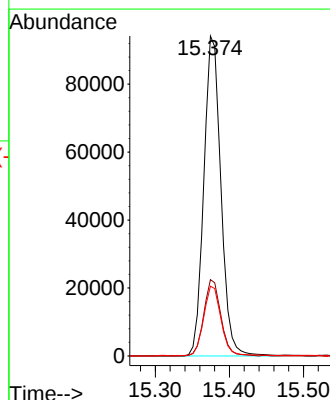
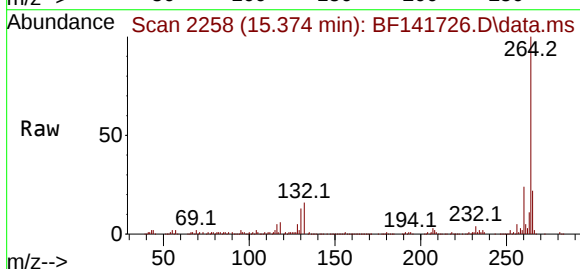
Tgt Ion:264 Resp: 150876

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 21.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 36.731 ng

RT: 16.804 min Scan# 2188

Delta R.T. -0.070 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

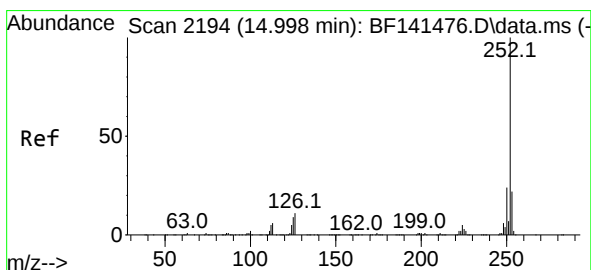
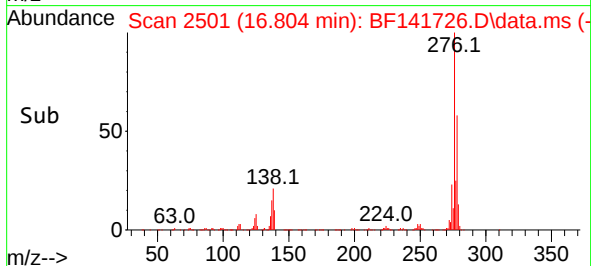
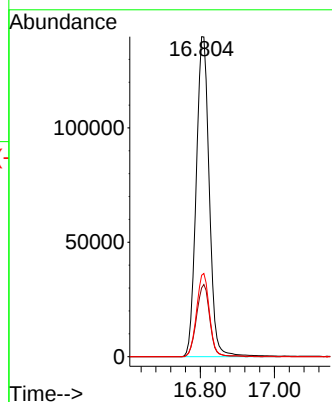
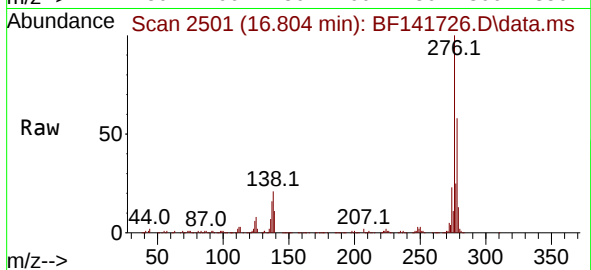
Tgt Ion:276 Resp: 342420

Ion Ratio Lower Upper

276 100

138 22.6 18.0 27.0

277 25.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 42.430 ng

RT: 14.963 min Scan# 2188

Delta R.T. -0.041 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

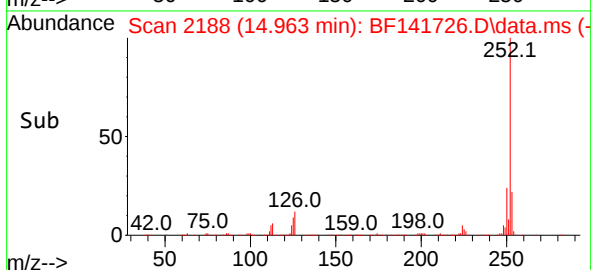
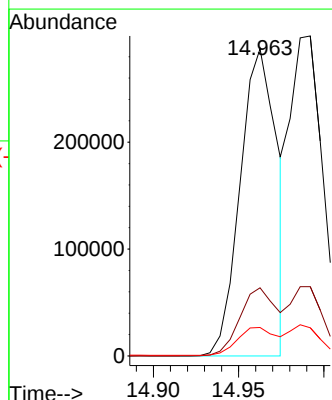
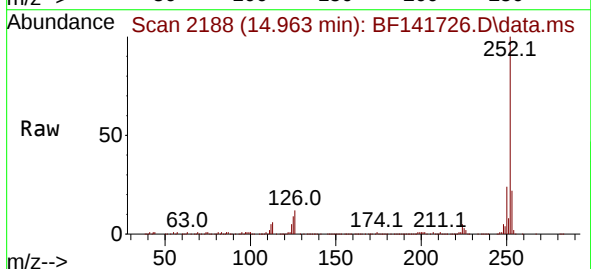
Tgt Ion:252 Resp: 429842

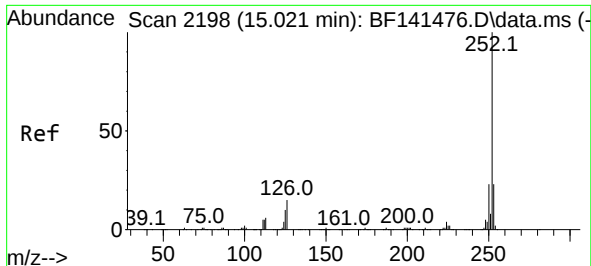
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.3 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 47.263 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

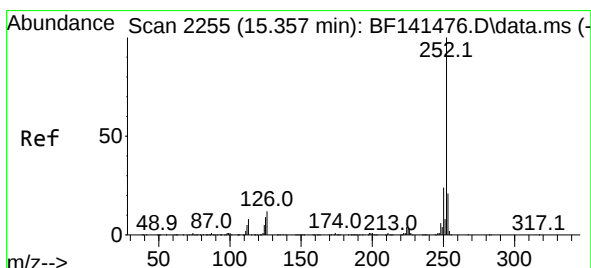
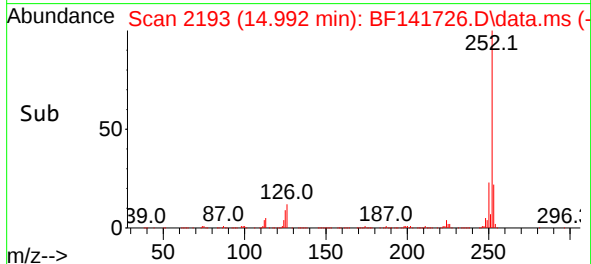
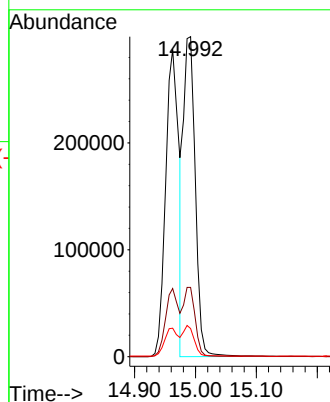
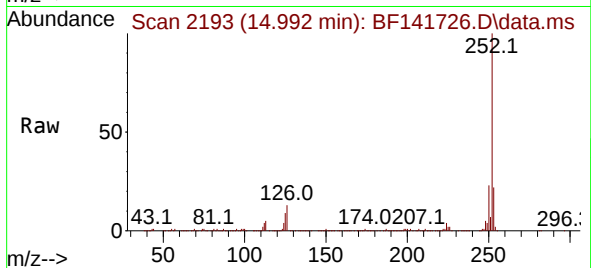
Tgt Ion:252 Resp: 408858

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

125 8.8 7.4 11.0



#90

Benzo(a)pyrene

Concen: 45.570 ng

RT: 15.316 min Scan# 2248

Delta R.T. -0.047 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

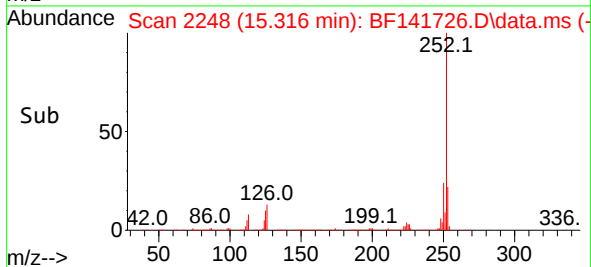
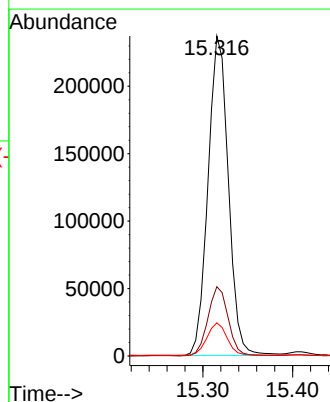
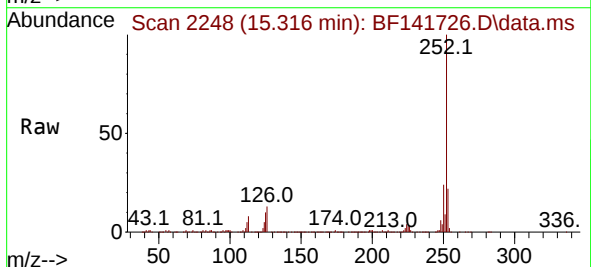
Tgt Ion:252 Resp: 373556

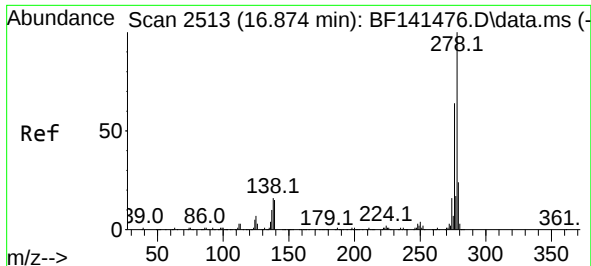
Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 10.4 7.4 11.2

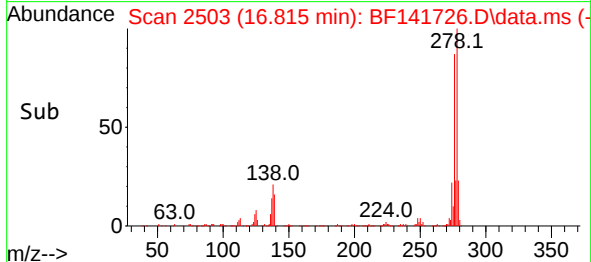
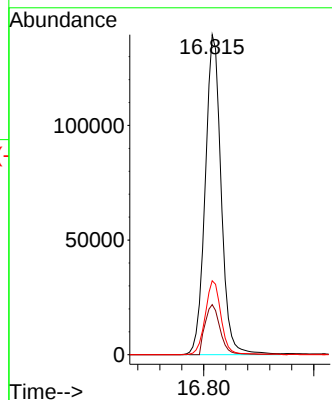
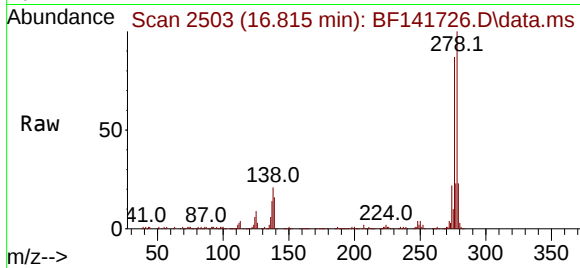




#91
Dibenzo(a,h)anthracene
Concen: 37.217 ng
RT: 16.815 min Scan# 2503
Delta R.T. -0.076 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:278 Resp: 281130
Ion Ratio Lower Upper
278 100
139 15.6 11.8 17.6
279 23.1 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 32.249 ng
RT: 17.233 min Scan# 2574
Delta R.T. -0.082 min
Lab File: BF141726.D
Acq: 21 Feb 2025 18:14

Tgt Ion:276 Resp: 254920
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 19.8 15.9 23.9

