

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141724.D
 Acq On : 21 Feb 2025 17:15
 Operator : RC/JU
 Sample : Q1393-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: Feb 21 17:44:40 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)

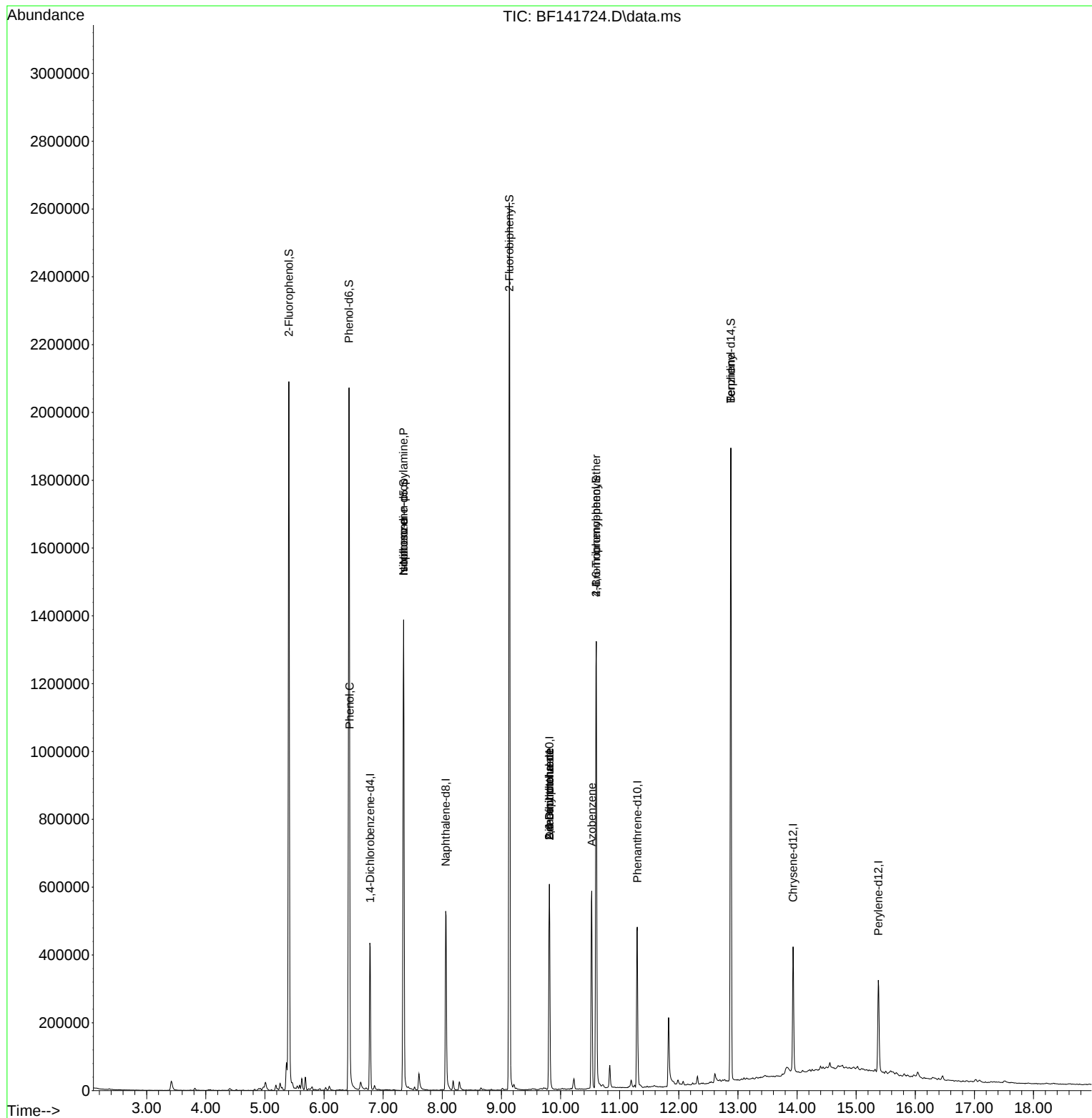
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	91089	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	368979	20.000	ng	-0.02
39) Acenaphthene-d10	9.810	164	188189	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	264612	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	187345	20.000	ng	-0.03
86) Perylene-d12	15.374	264	168236	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	800093	137.705	ng	0.00
7) Phenol-d6	6.422	99	1007046	137.132	ng	-0.02
23) Nitrobenzene-d5	7.345	82	649022	91.745	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	227130	120.146	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	1174430	96.147	ng	-0.02
79) Terphenyl-d14	12.880	244	922338	83.112	ng	-0.02
Target Compounds						
						Qvalue
10) Phenol	6.434	94	17356	2.271	ng	# 35
19) n-Nitroso-di-n-propyla...	7.345	70	88104	20.057	ng	# 71
25) Isophorone	7.345	82	643131	57.017	ng	# 66
50) Dimethylphthalate	9.810	163	25893	2.027	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	23910	8.561	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	23910	6.431	ng	# 19
63) Azobenzene	10.528	77	151111	12.093	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	14966	5.061	ng	# 1
77) Benzidine	12.880	184	12487	3.022	ng	# 91

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

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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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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
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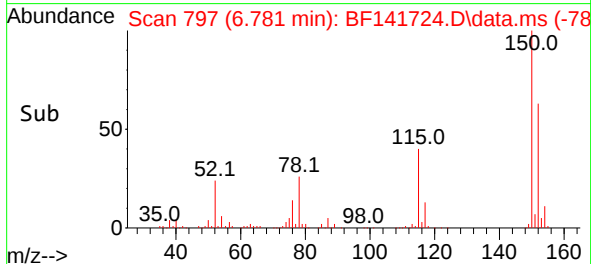
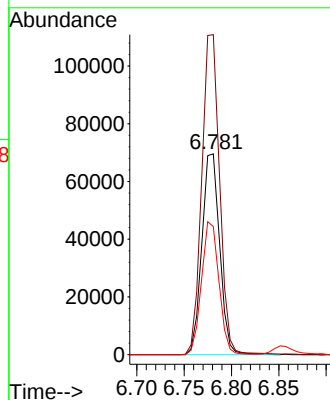
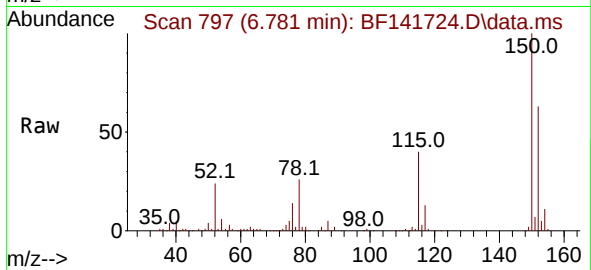




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

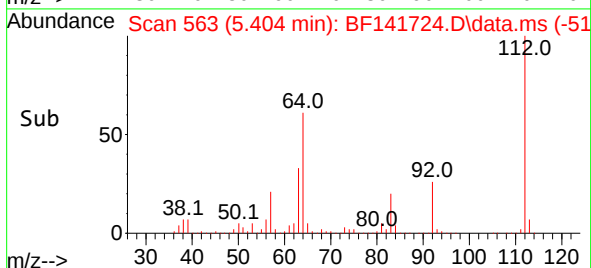
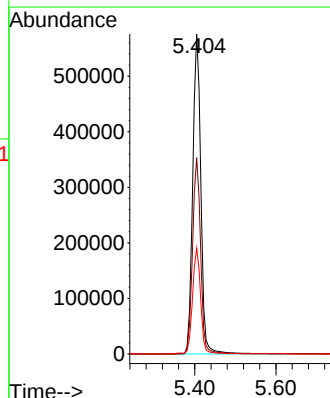
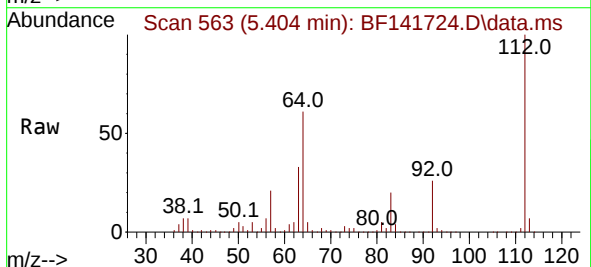
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:152 Resp: 91089
Ion Ratio Lower Upper
152 100
150 159.4 125.0 187.4
115 63.8 53.6 80.4



#5
2-Fluorophenol
Concen: 137.705 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

Tgt Ion:112 Resp: 800093
Ion Ratio Lower Upper
112 100
64 61.4 51.1 76.7
63 33.1 28.4 42.6

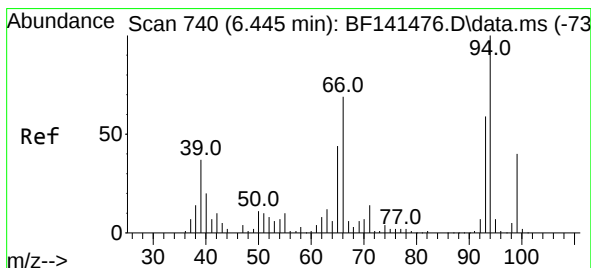
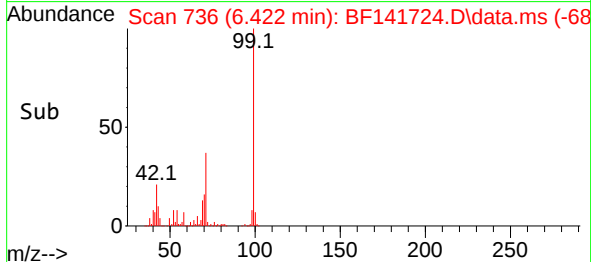
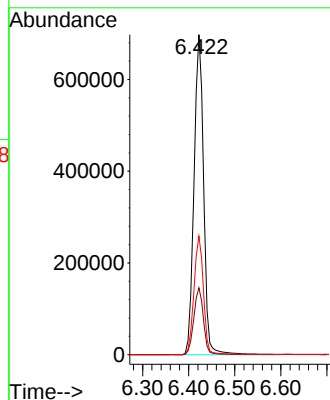
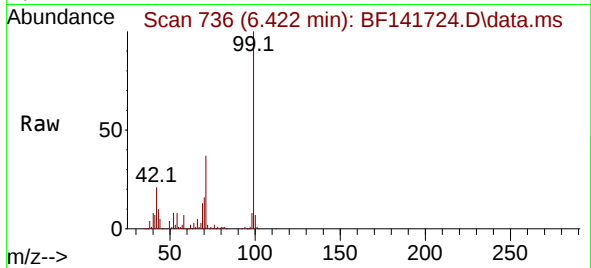




#7
Phenol-d6
Concen: 137.132 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

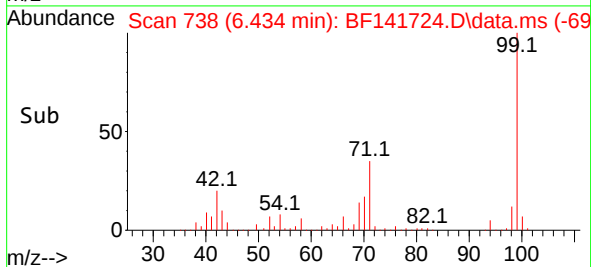
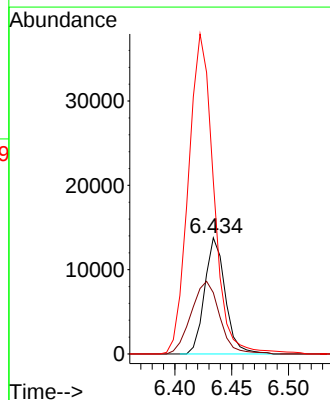
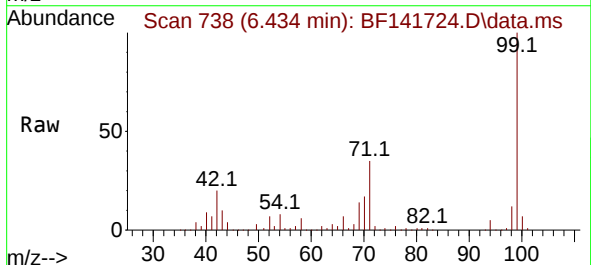
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

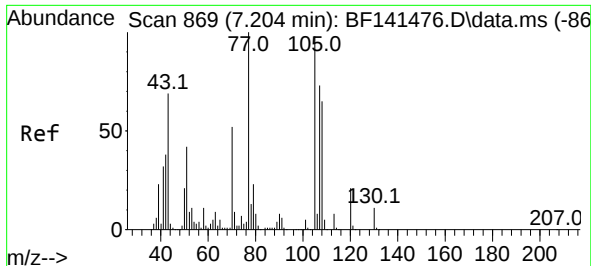
Tgt Ion: 99 Resp: 1007046
Ion Ratio Lower Upper
99 100
42 20.9 19.1 28.7
71 37.1 31.1 46.7



#10
Phenol
Concen: 2.271 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.023 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

Tgt Ion: 94 Resp: 17356
Ion Ratio Lower Upper
94 100
65 52.7 23.7 63.7
66 148.9 49.3 89.3#

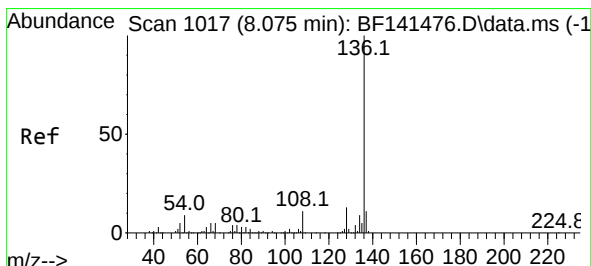
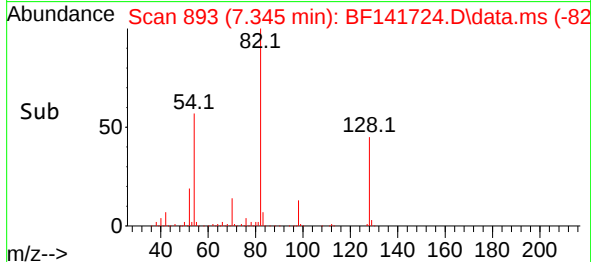
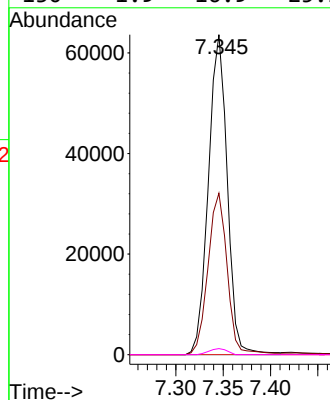
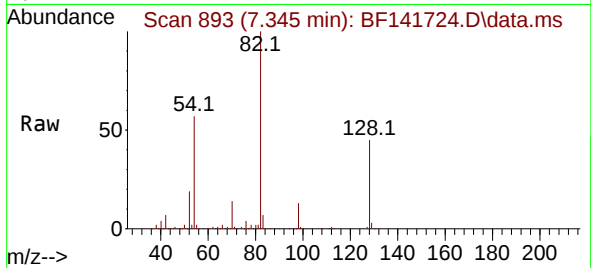




#19
n-Nitroso-di-n-propylamine
Concen: 20.057 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

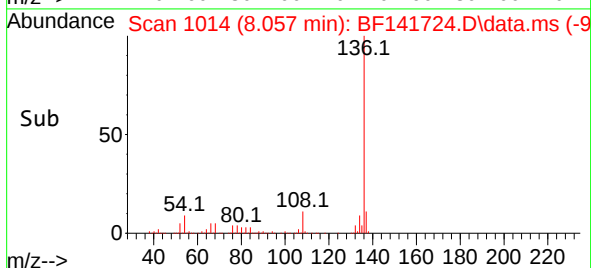
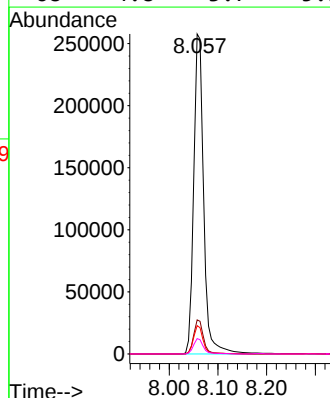
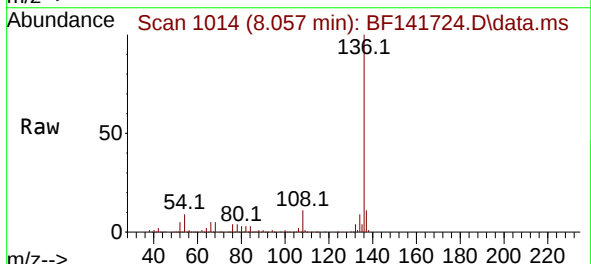
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

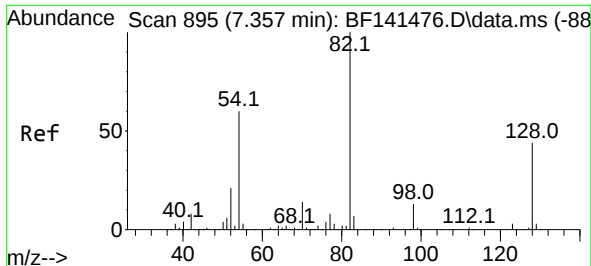
Tgt Ion:	70	Resp:	88104
Ion	Ratio	Lower	Upper
70	100		
42	50.4	57.4	86.2#
101	0.0	8.0	12.0#
130	1.9	16.9	25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.017 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

Tgt Ion:	136	Resp:	368979
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5





#23

Nitrobenzene-d5

Concen: 91.745 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF141724.D

Acq: 21 Feb 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

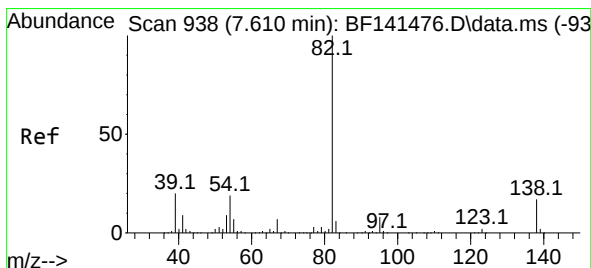
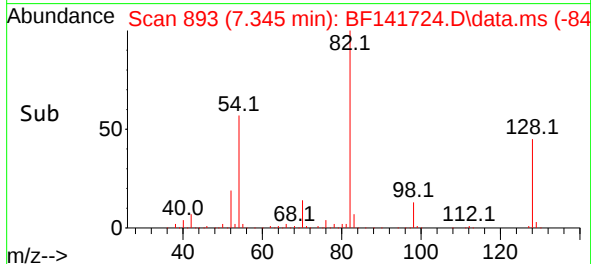
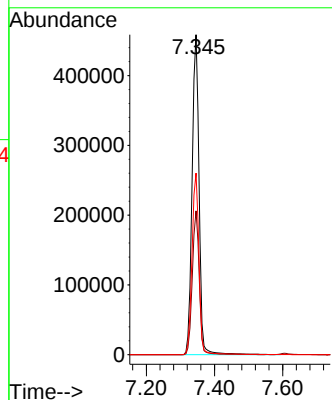
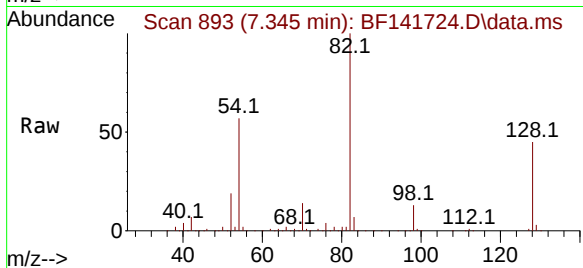
Tgt Ion: 82 Resp: 649022

Ion Ratio Lower Upper

82 100

128 44.9 34.8 52.2

54 56.7 48.2 72.4



#25

Isophorone

Concen: 57.017 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.276 min

Lab File: BF141724.D

Acq: 21 Feb 2025 17:15

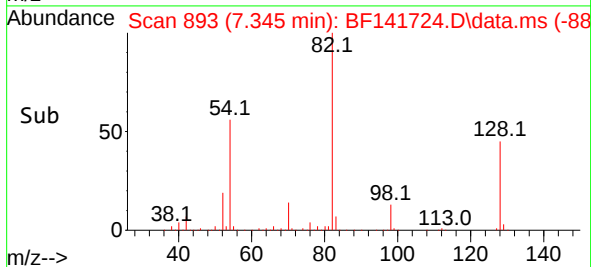
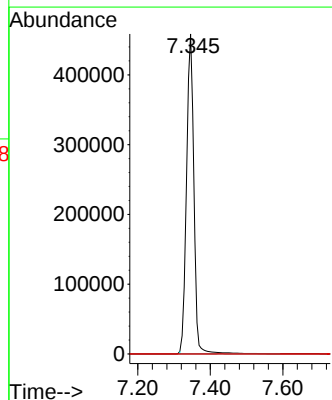
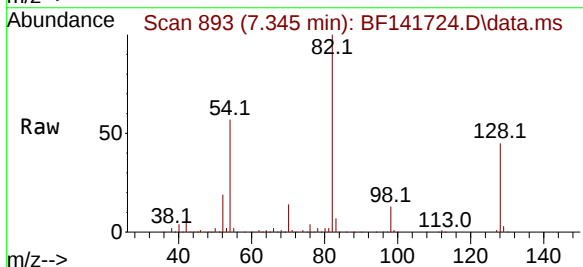
Tgt Ion: 82 Resp: 643131

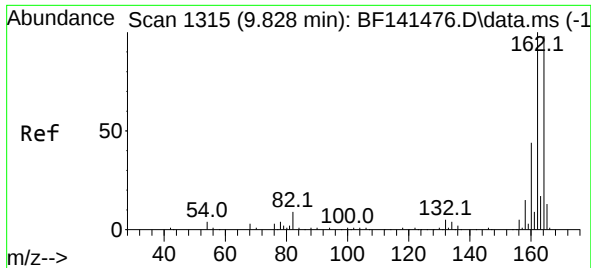
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 13.9 20.9#

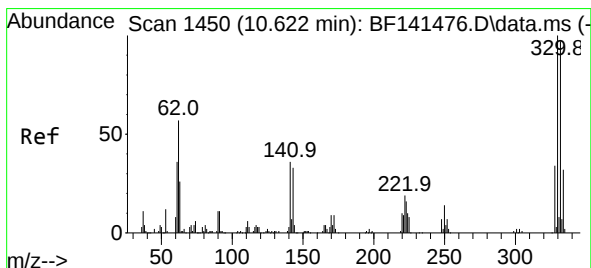
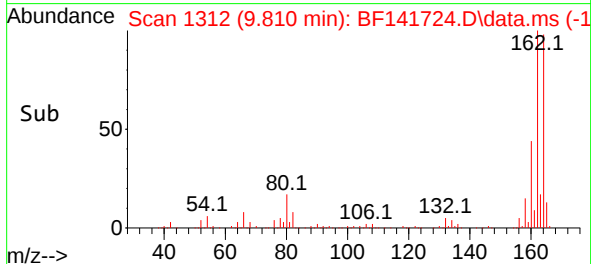
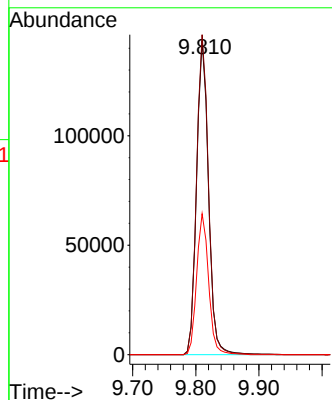
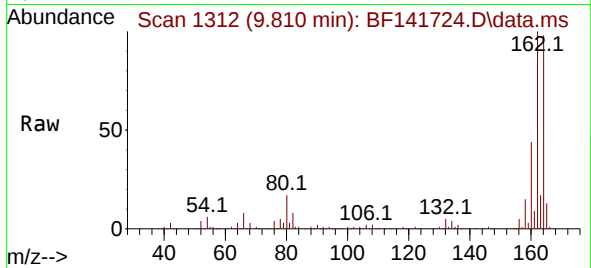




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

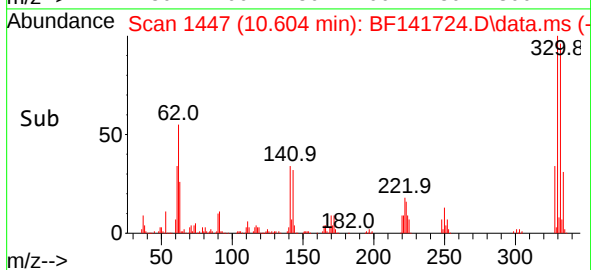
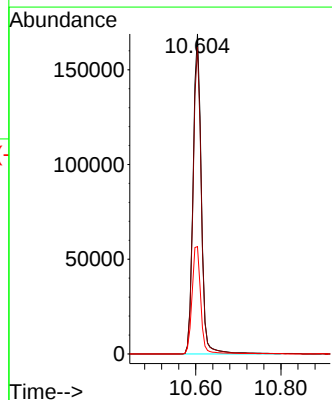
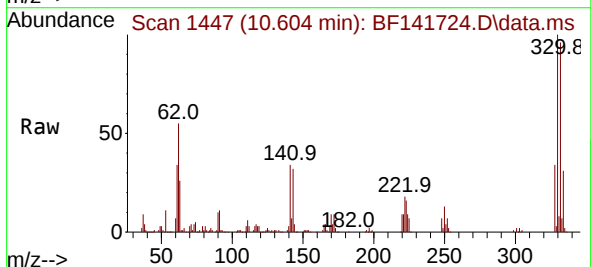
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

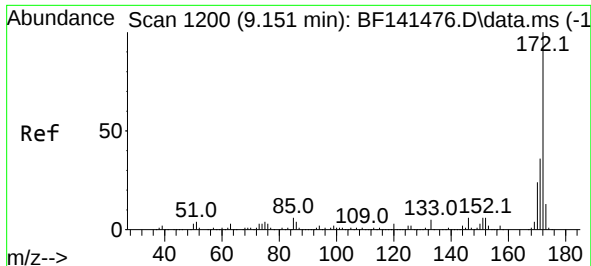
Tgt Ion:164 Resp: 188189
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 44.9 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 120.146 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

Tgt Ion:330 Resp: 227130
Ion Ratio Lower Upper
330 100
332 95.0 78.5 117.7
141 35.4 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 96.147 ng

RT: 9.134 min Scan# 1117

Delta R.T. -0.017 min

Lab File: BF141724.D

Acq: 21 Feb 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

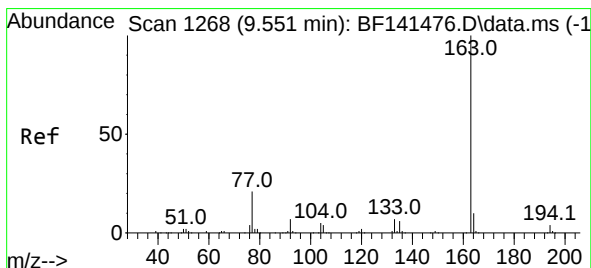
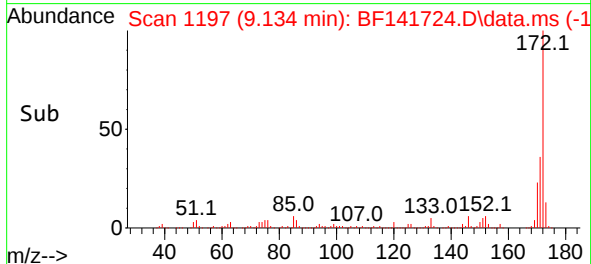
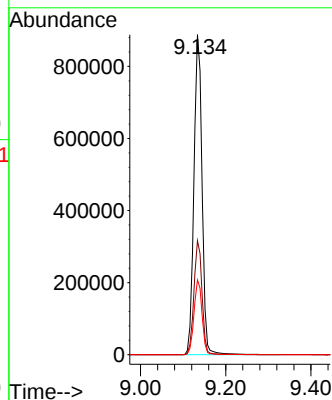
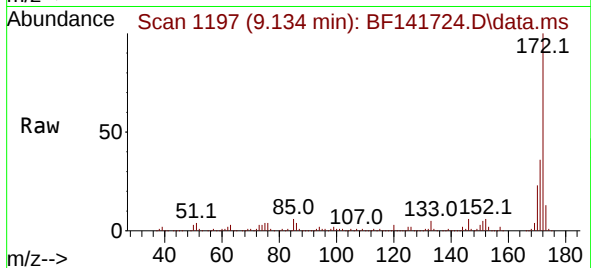
Tgt Ion:172 Resp: 1174430

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.4 18.9 28.3



#50

Dimethylphthalate

Concen: 2.027 ng

RT: 9.810 min Scan# 1312

Delta R.T. 0.247 min

Lab File: BF141724.D

Acq: 21 Feb 2025 17:15

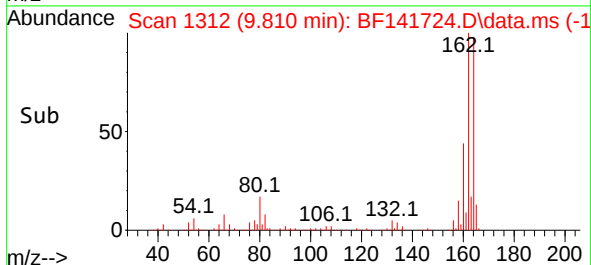
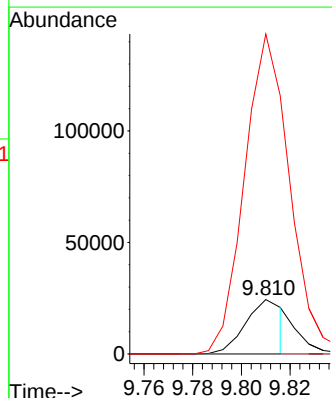
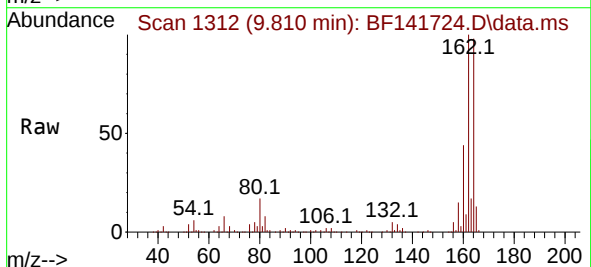
Tgt Ion:163 Resp: 25893

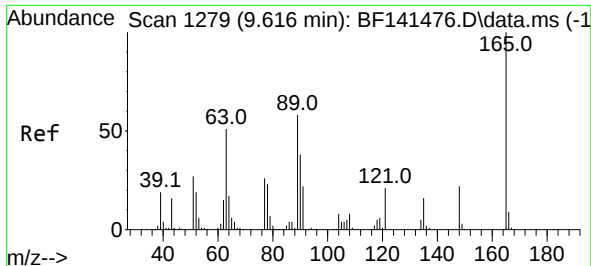
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

164 588.1 7.9 11.9#

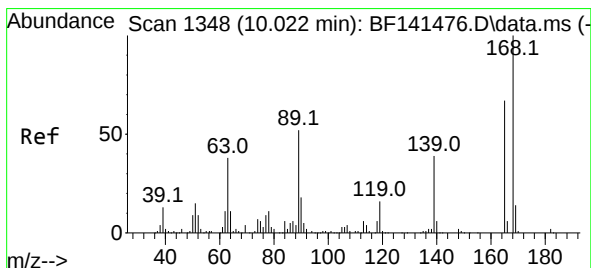
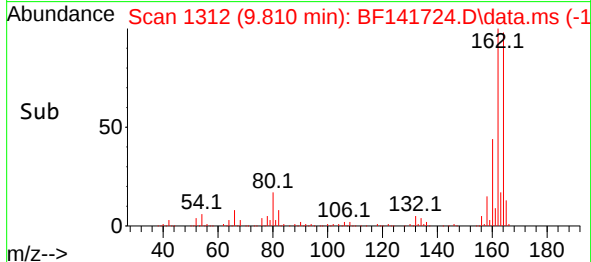
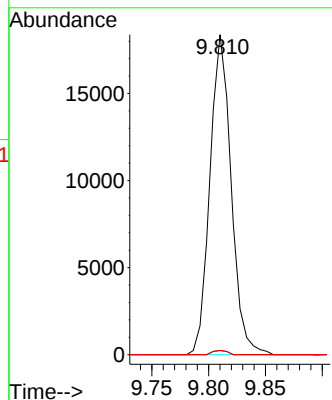
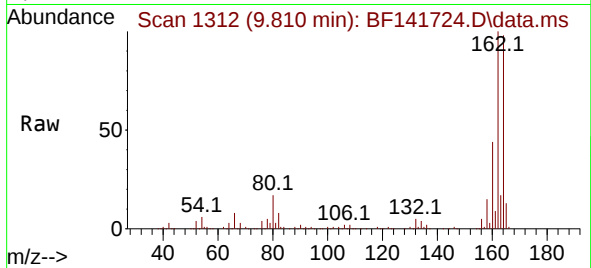




#51
2,6-Dinitrotoluene
Concen: 8.561 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

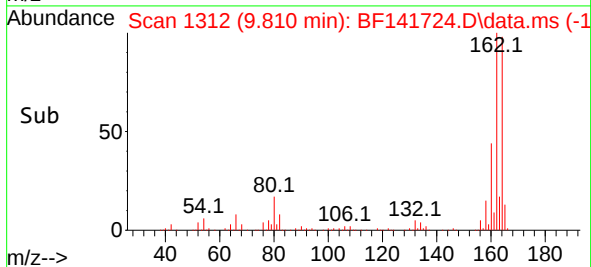
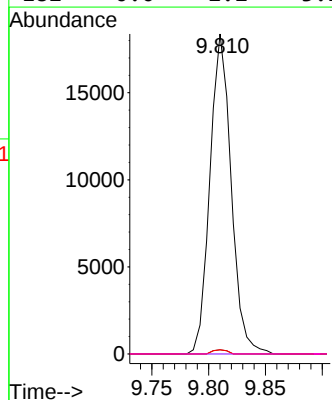
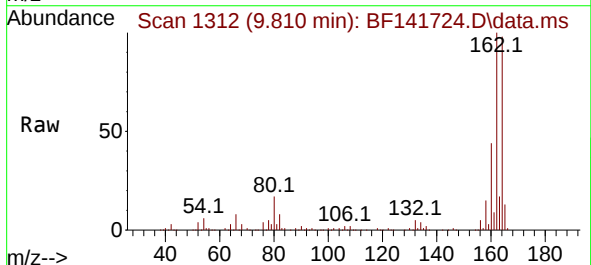
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

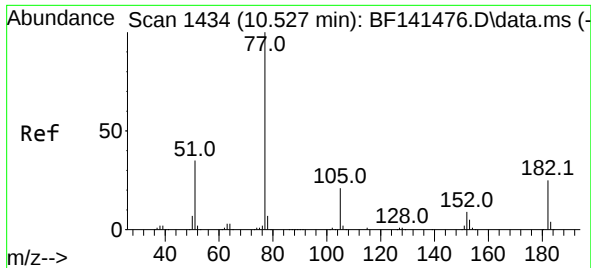
Tgt Ion:165 Resp: 23910
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 1.3 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.431 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.217 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

Tgt Ion:165 Resp: 23910
Ion Ratio Lower Upper
165 100
63 1.3 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#

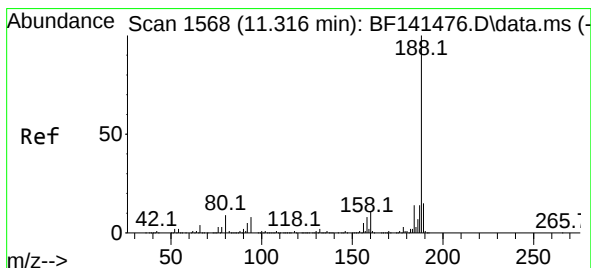
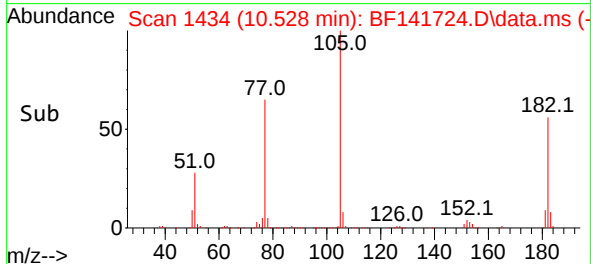
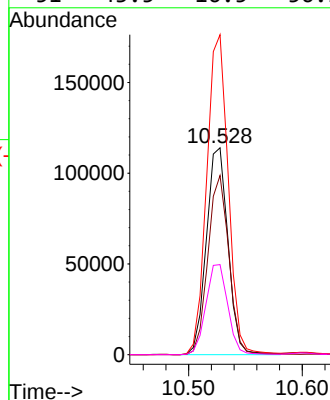
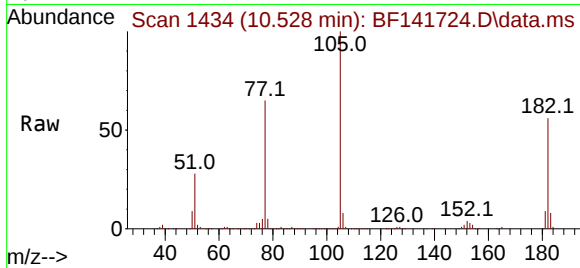




#63
Azobenzene
Concen: 12.093 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

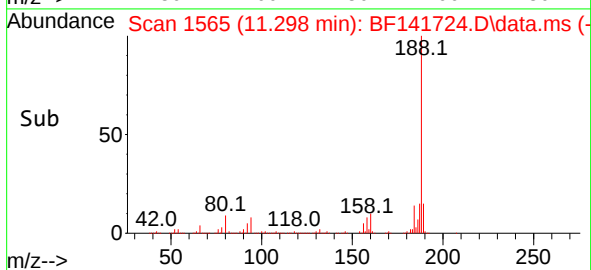
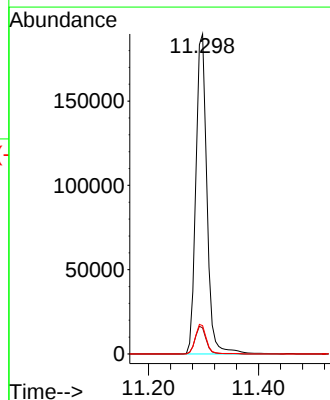
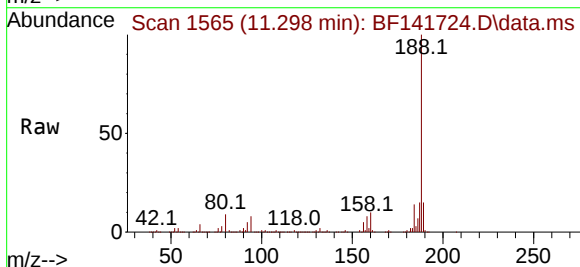
Instrument :
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ClientSampleId :
SOIL-COMP

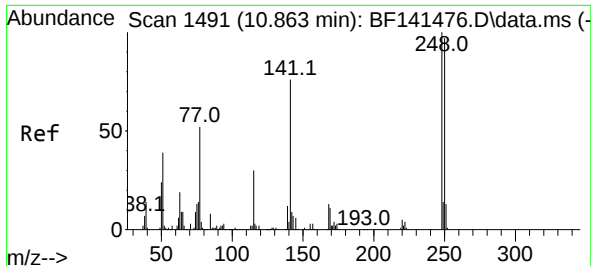
Tgt Ion: 77 Resp: 151111
Ion Ratio Lower Upper
77 100
182 86.6 4.7 44.7#
105 154.7 0.4 40.4#
51 43.5 16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

Tgt Ion:188 Resp: 264612
Ion Ratio Lower Upper
188 100
94 8.1 6.6 10.0
80 8.9 7.3 10.9

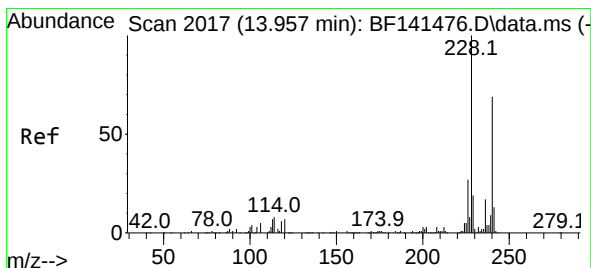
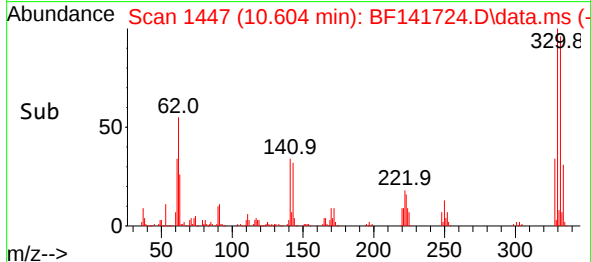
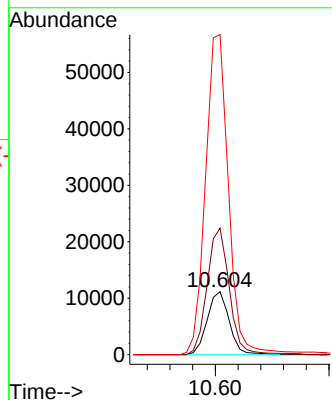
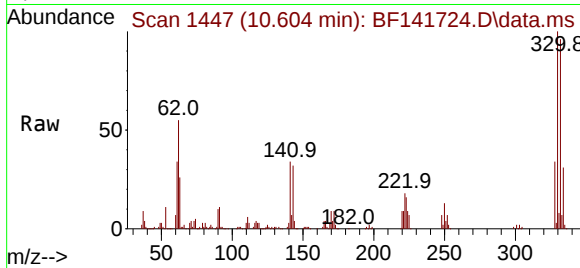




#67
4-Bromophenyl-phenylether
Concen: 5.061 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

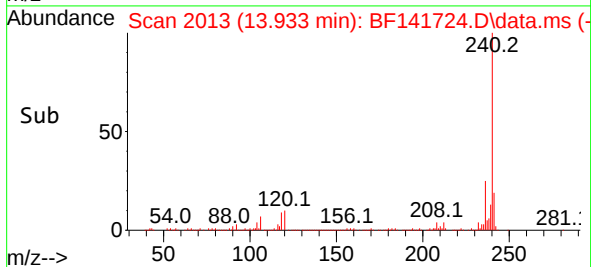
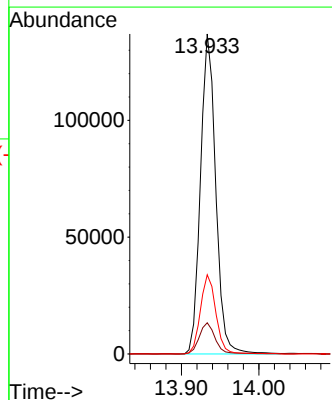
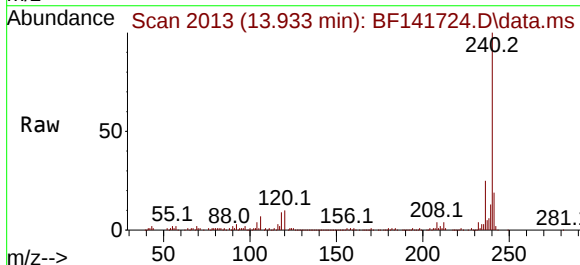
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

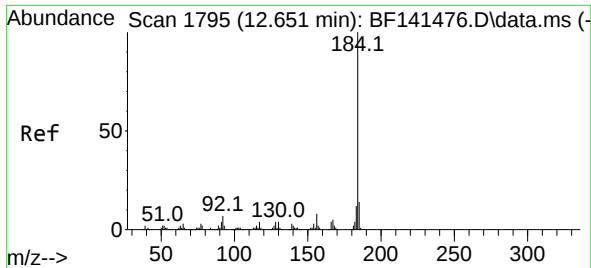
Tgt Ion:248 Resp: 14966
Ion Ratio Lower Upper
248 100
250 200.7 77.8 116.6#
141 507.4 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

Tgt Ion:240 Resp: 187345
Ion Ratio Lower Upper
240 100
120 9.7 8.0 12.0
236 24.8 19.8 29.8

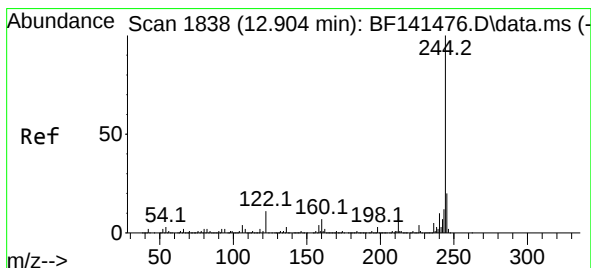
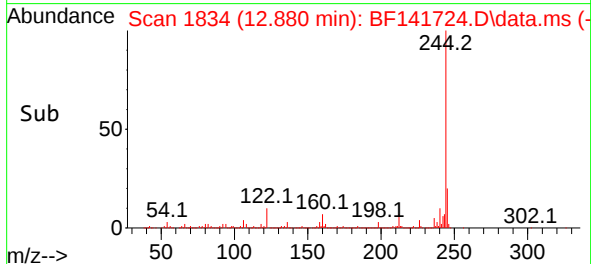
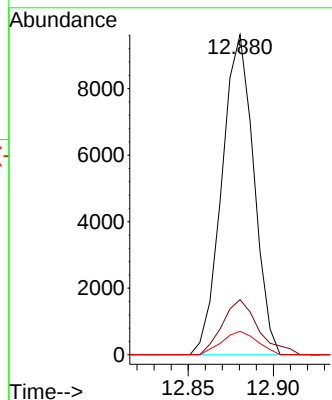
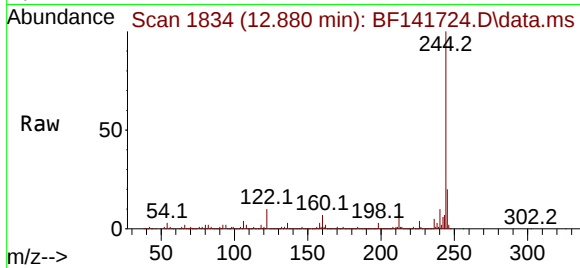




#77
Benzidine
Concen: 3.022 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

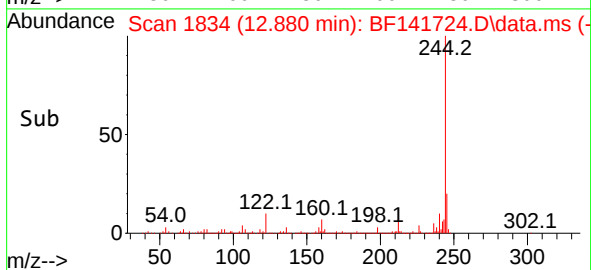
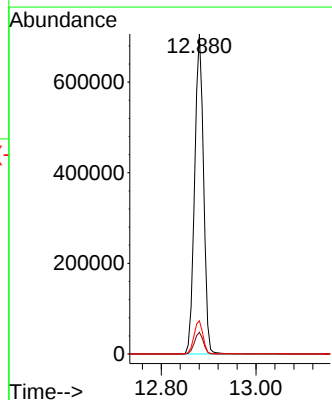
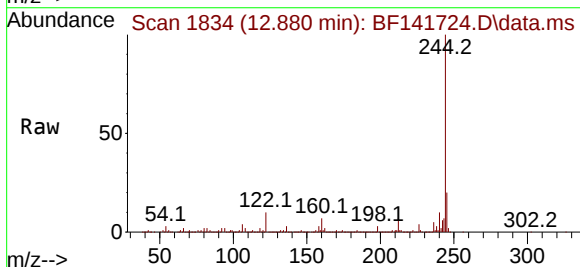
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

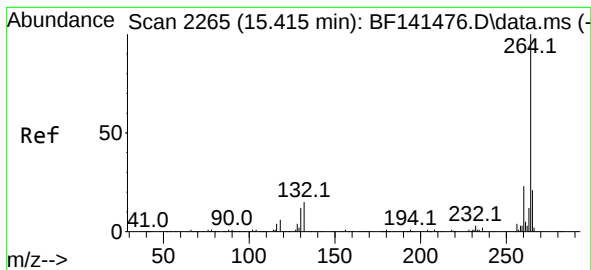
Tgt Ion:184 Resp: 12487
Ion Ratio Lower Upper
184 100
185 17.2 11.3 16.9#
183 7.3 9.3 13.9#



#79
Terphenyl-d14
Concen: 83.112 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141724.D
Acq: 21 Feb 2025 17:15

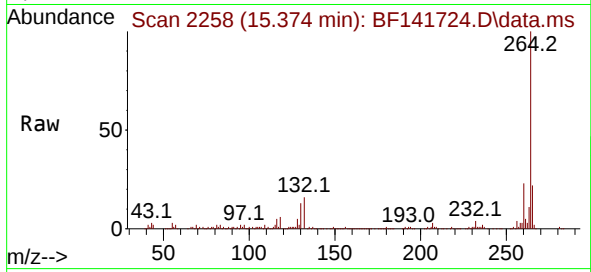
Tgt Ion:244 Resp: 922338
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.4 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.374 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BF141724.D
 Acq: 21 Feb 2025 17:15

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP



Tgt Ion:264 Resp: 168236
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 28.0
 265 22.0 17.0 25.4

