

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141877.D
 Acq On : 06 Mar 2025 19:28
 Operator : RC/JU
 Sample : Q1494-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

Quant Time: Mar 07 00:21:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

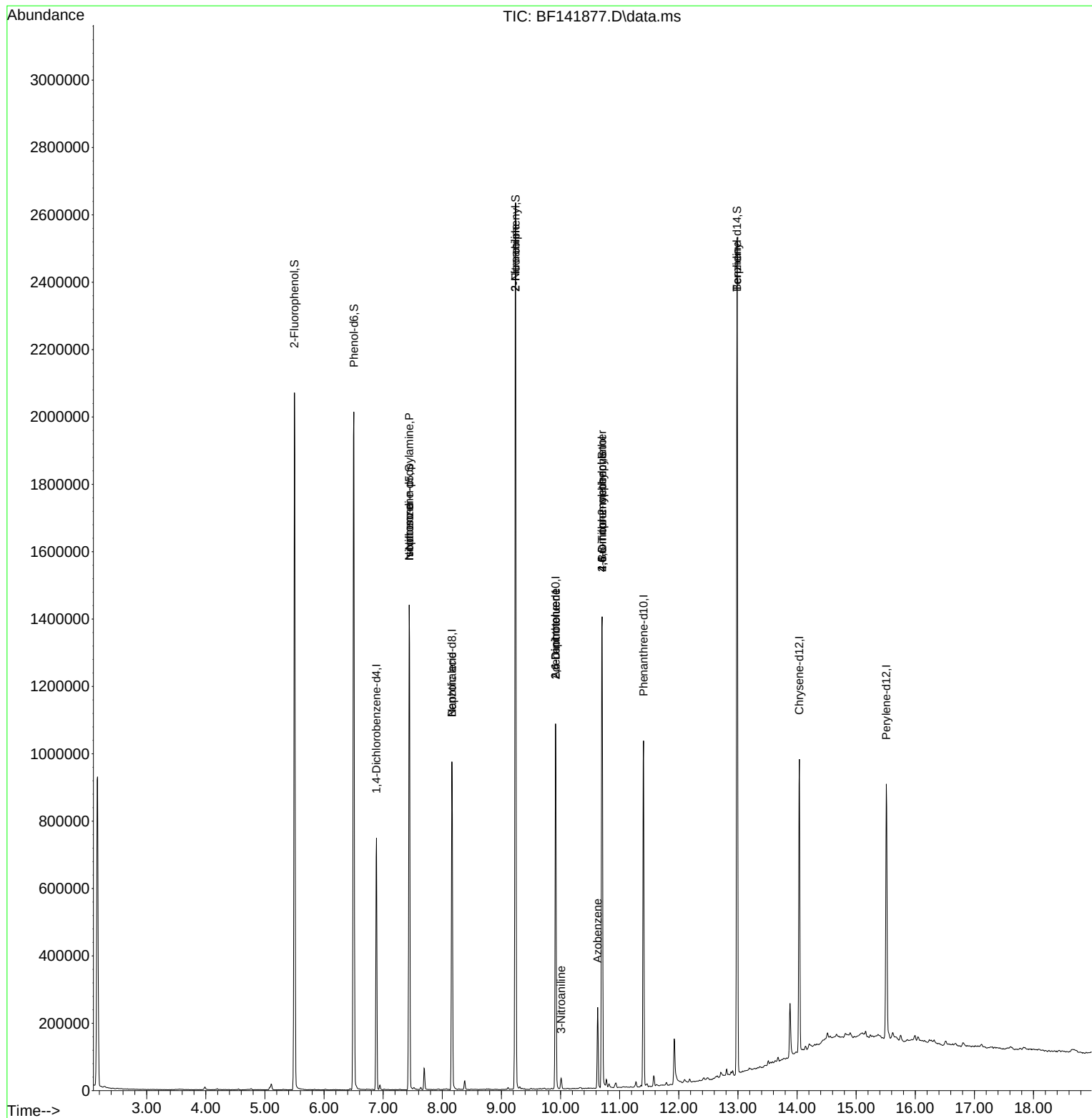
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	156206	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	598619	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	316531	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	516276	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	421272	20.000	ng	-0.01
86) Perylene-d12	15.510	264	441787	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	787253	80.486	ng	0.00
7) Phenol-d6	6.504	99	973380	76.456	ng	0.00
23) Nitrobenzene-d5	7.440	82	643881	68.753	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	242939	81.752	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1169102	59.223	ng	0.00
79) Terphenyl-d14	12.986	244	1188389	45.641	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	86678	10.357	ng	# 77
25) Isophorone	7.440	82	639731	31.796	ng	# 66
32) Benzoic acid	8.163	122	59	7.699	ng	# 1
48) 2-Nitroaniline	9.234	65	2073	4.727	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	41964	12.567	ng	# 21
53) 3-Nitroaniline	10.010	138	401	3.054	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	41964	11.375	ng	# 20
63) Azobenzene	10.628	77	58240	2.603	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	502	8.298	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	16285	2.701	ng	# 1
77) Benzidine	12.986	184	16187	3.053	ng	# 92

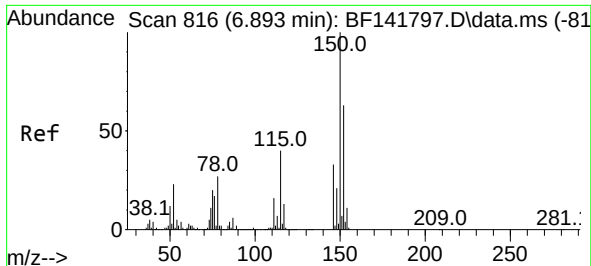
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141877.D
Acq On : 06 Mar 2025 19:28
Operator : RC/JU
Sample : Q1494-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

Quant Time: Mar 07 00:21:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

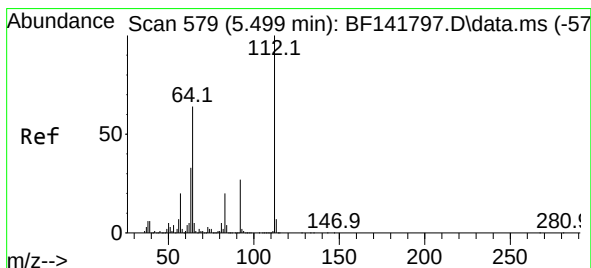
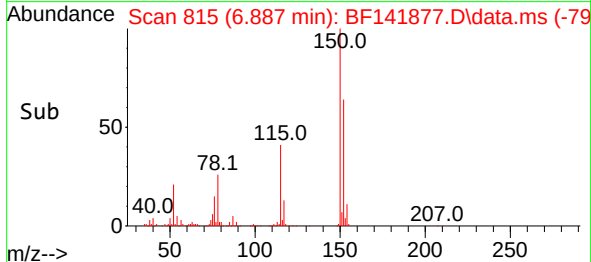
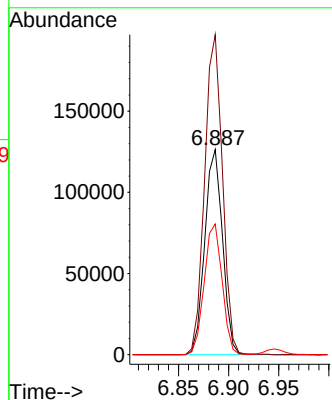
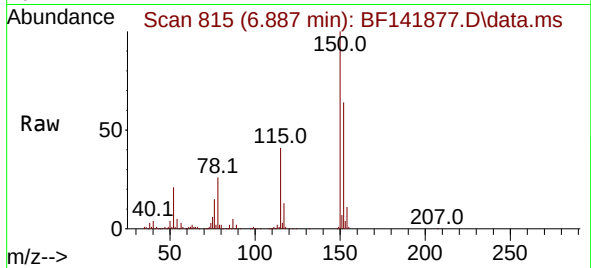




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141877.D
 Acq: 06 Mar 2025 19:28

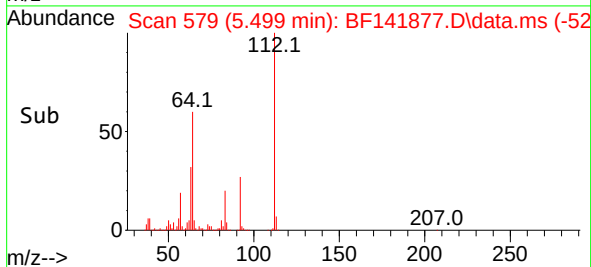
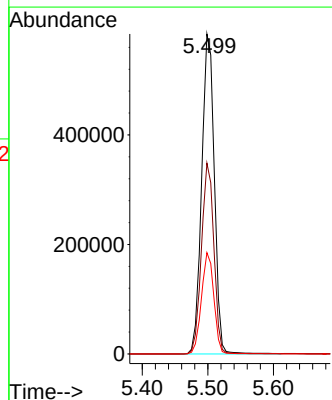
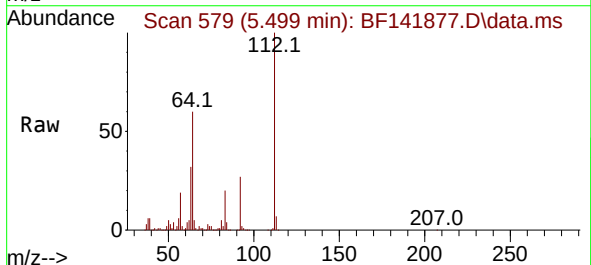
Instrument :
 BNA_F
 ClientSampleId :
 SOIL

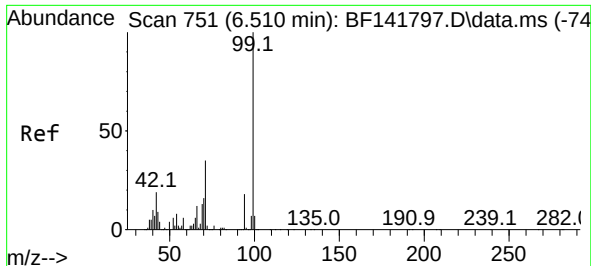
Tgt Ion:152 Resp: 156206
 Ion Ratio Lower Upper
 152 100
 150 156.0 127.5 191.3
 115 63.7 51.4 77.2



#5
 2-Fluorophenol
 Concen: 80.486 ng
 RT: 5.499 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141877.D
 Acq: 06 Mar 2025 19:28

Tgt Ion:112 Resp: 787253
 Ion Ratio Lower Upper
 112 100
 64 59.6 51.3 76.9
 63 31.6 26.2 39.4

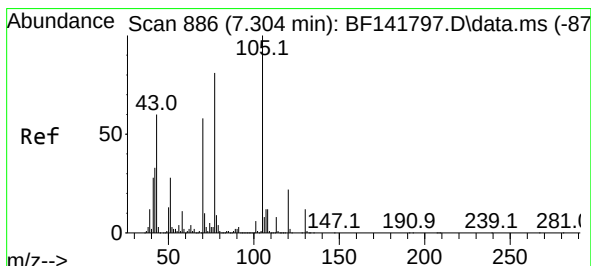
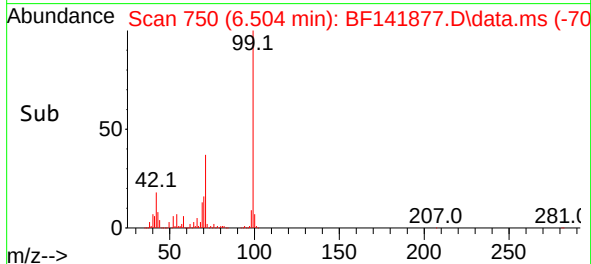
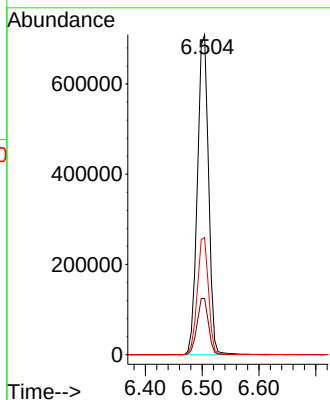
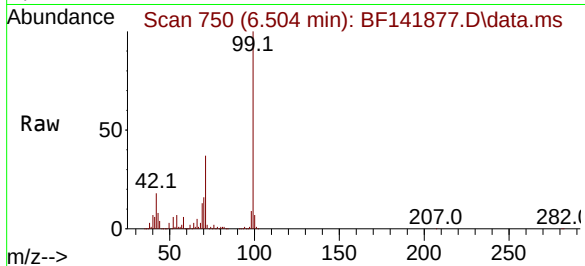




#7
Phenol-d6
Concen: 76.456 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

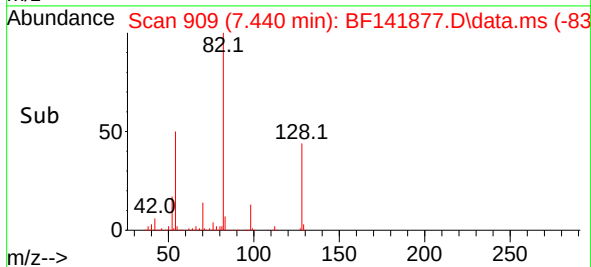
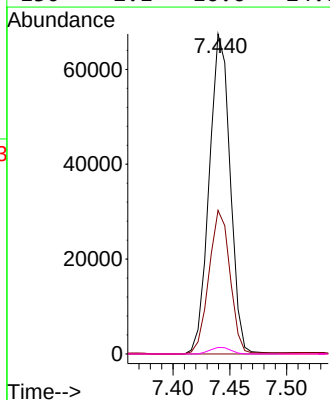
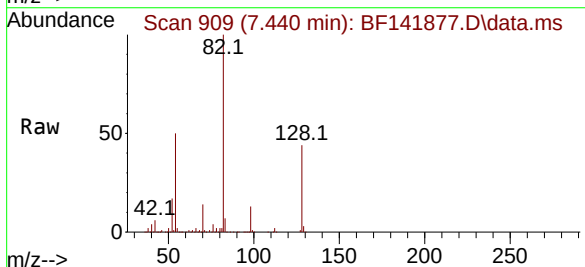
Instrument :
BNA_F
ClientSampleId :
SOIL

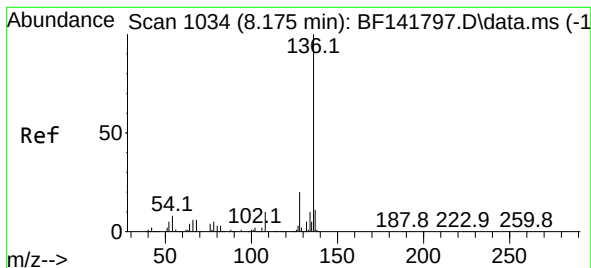
Tgt Ion: 99 Resp: 973380
Ion Ratio Lower Upper
99 100
42 17.5 15.2 22.8
71 36.6 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.357 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

Tgt Ion: 70 Resp: 86678
Ion Ratio Lower Upper
70 100
42 44.9 45.4 68.0#
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

Instrument :

BNA_F

ClientSampleId :

SOIL

Tgt Ion:136 Resp: 598619

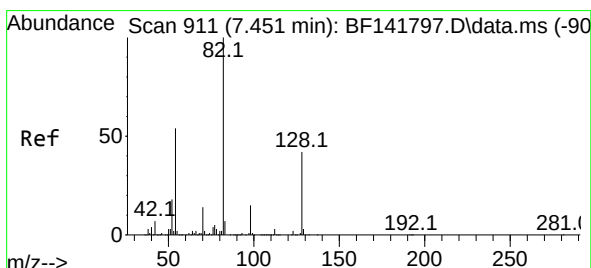
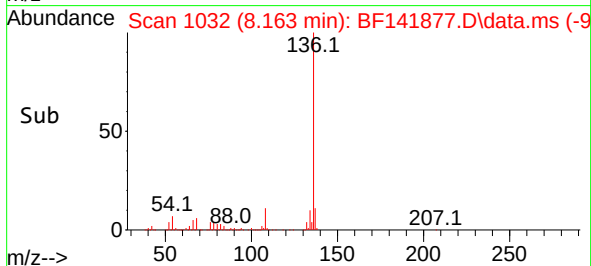
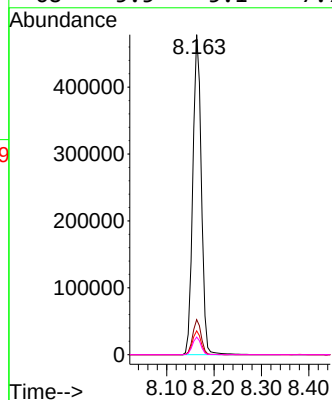
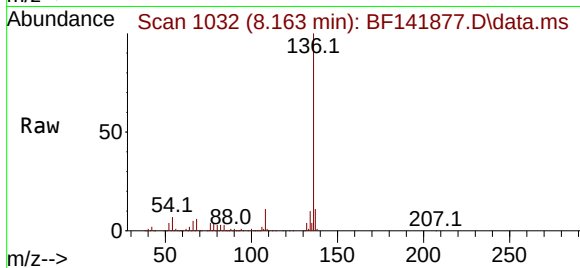
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.5 6.9 10.3

68 5.5 5.1 7.7



#23

Nitrobenzene-d5

Concen: 68.753 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

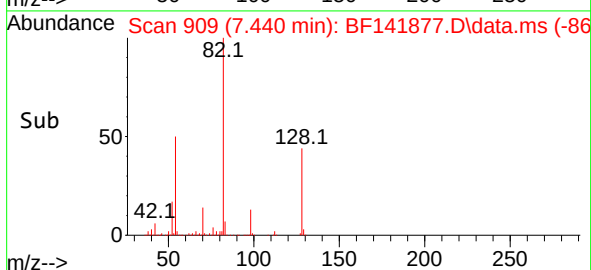
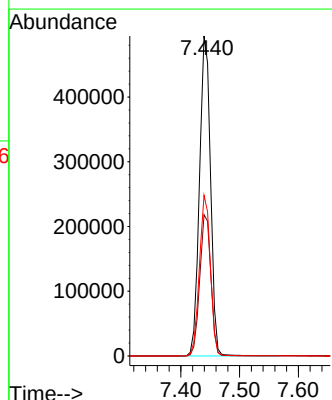
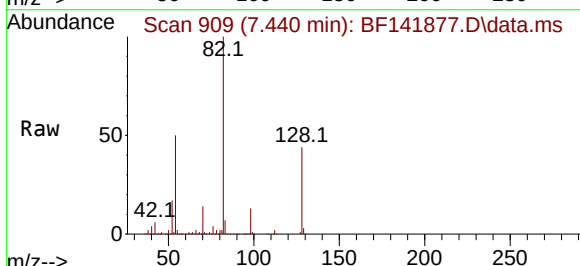
Tgt Ion: 82 Resp: 643881

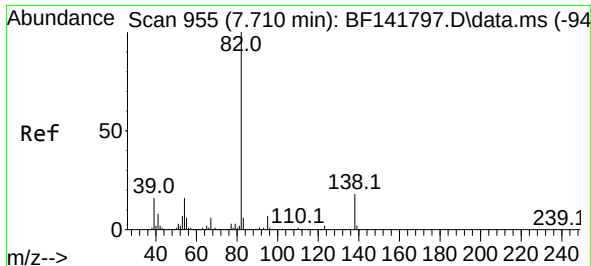
Ion Ratio Lower Upper

82 100

128 44.2 33.5 50.3

54 50.2 42.7 64.1

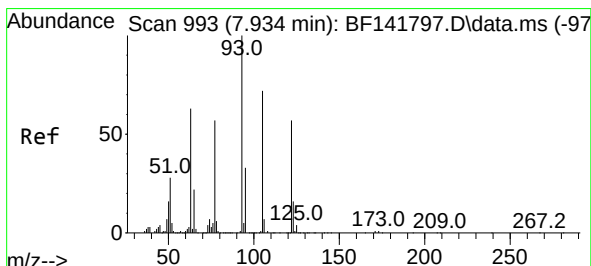
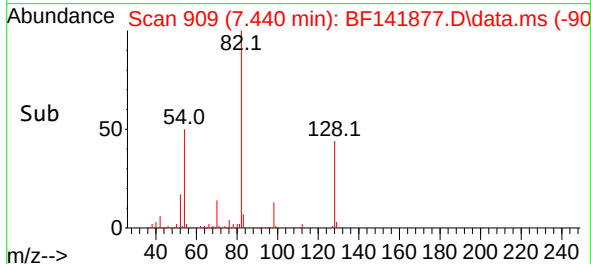
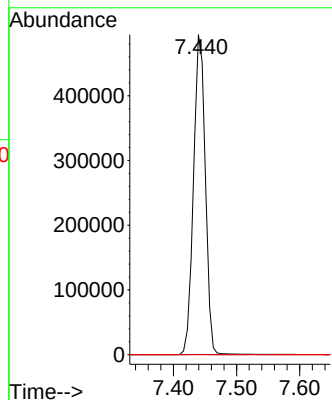
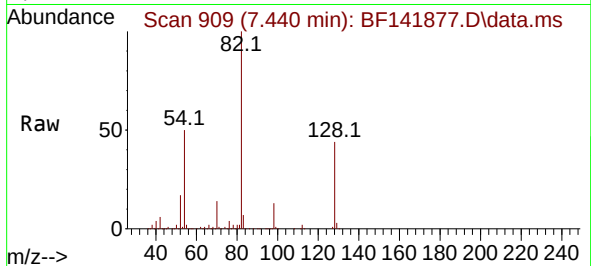




#25
Isophorone
Concen: 31.796 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

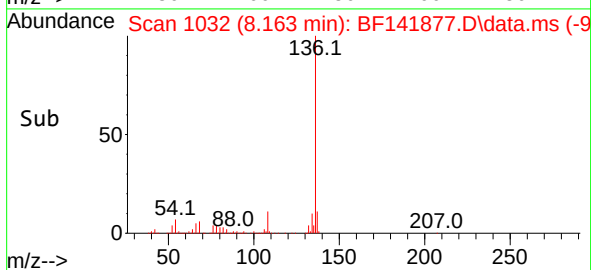
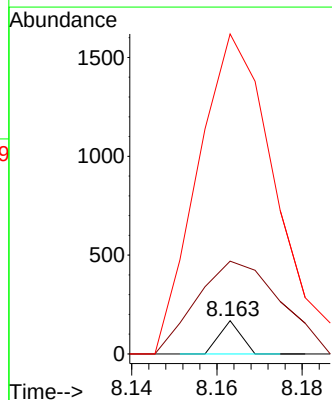
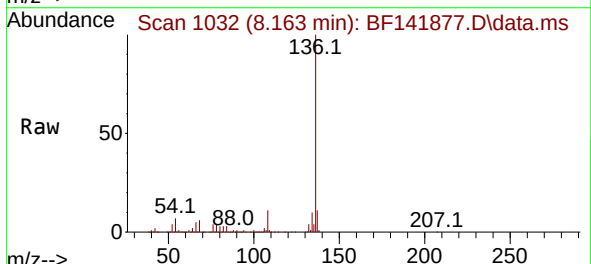
Instrument :
BNA_F
ClientSampleId :
SOIL

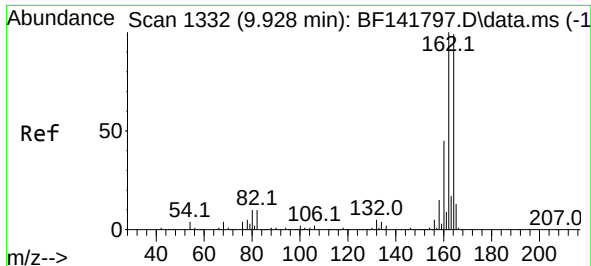
Tgt Ion: 82 Resp: 639731
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.699 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.229 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 279.2 105.8 145.8#
77 963.7 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

Instrument :

BNA_F

ClientSampleId :

SOIL

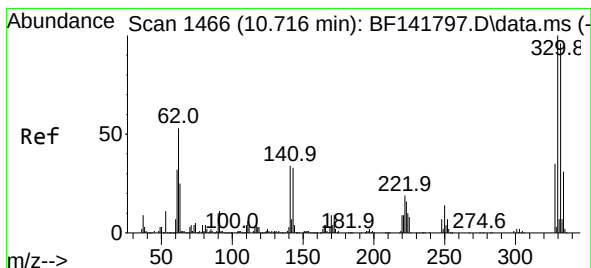
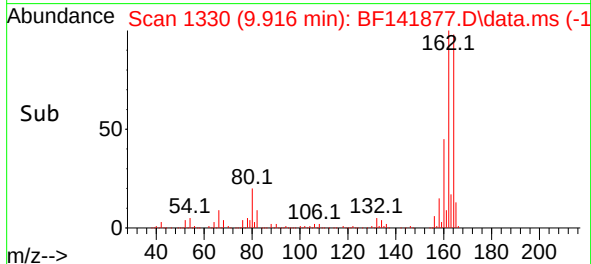
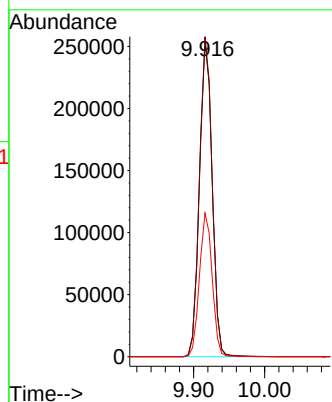
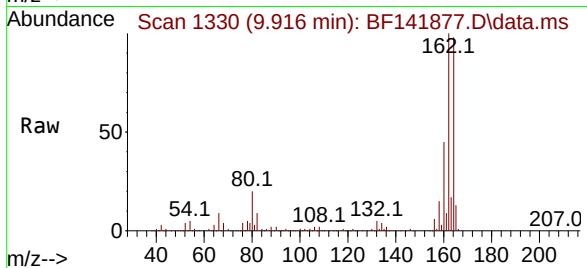
Tgt Ion:164 Resp: 316531

Ion Ratio Lower Upper

164 100

162 101.6 80.6 120.8

160 45.6 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 81.752 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

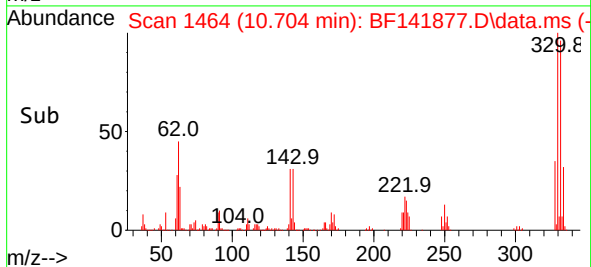
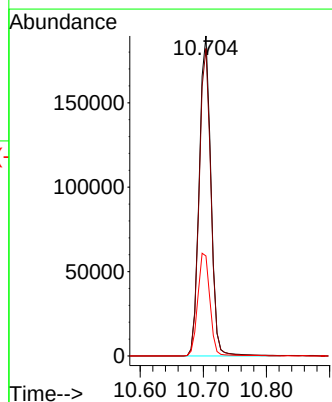
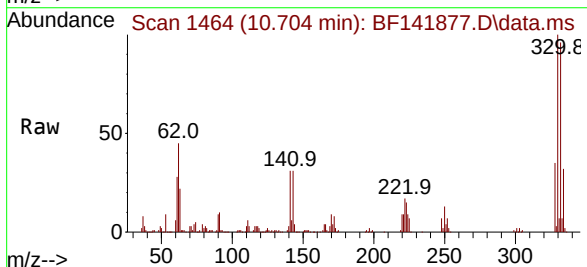
Tgt Ion:330 Resp: 242939

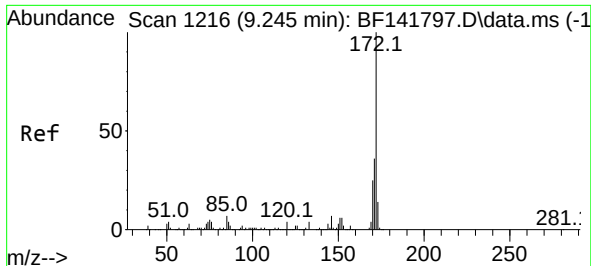
Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

141 33.3 29.0 43.4

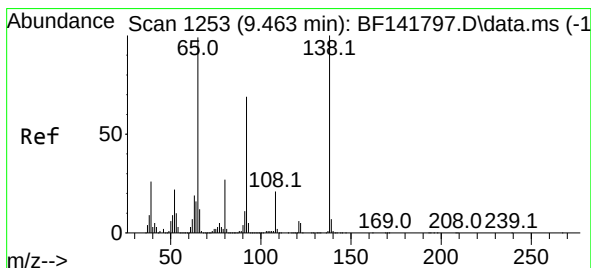
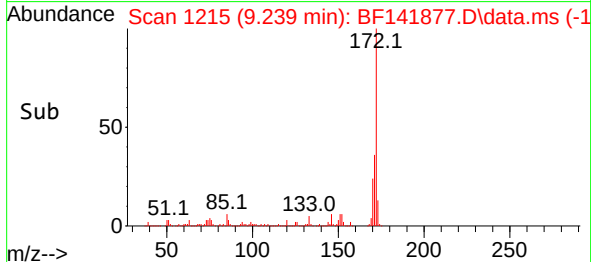
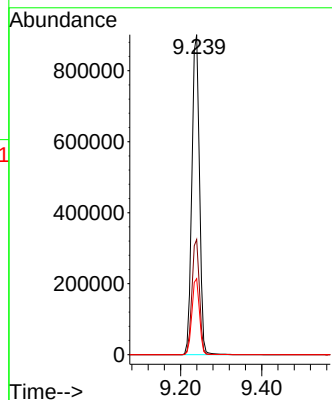
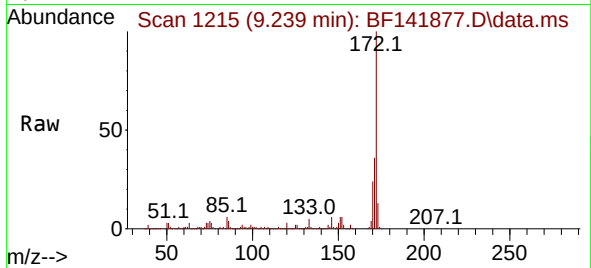




#45
2-Fluorobiphenyl
Concen: 59.223 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

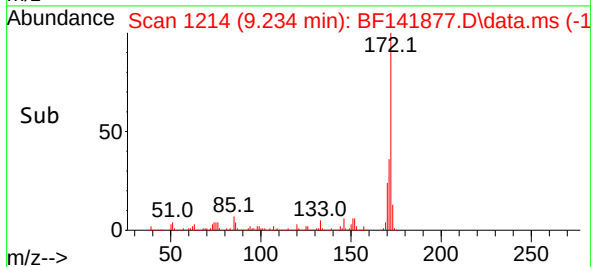
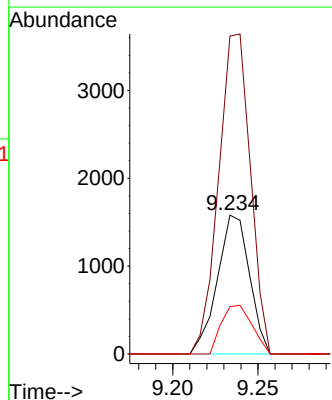
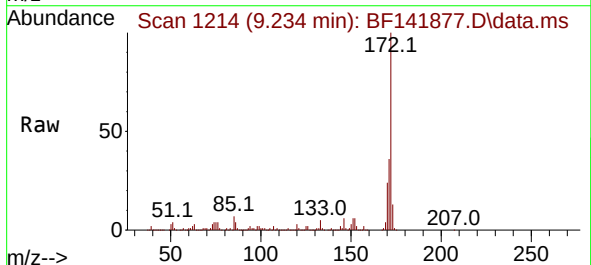
Instrument :
BNA_F
ClientSampleId :
SOIL

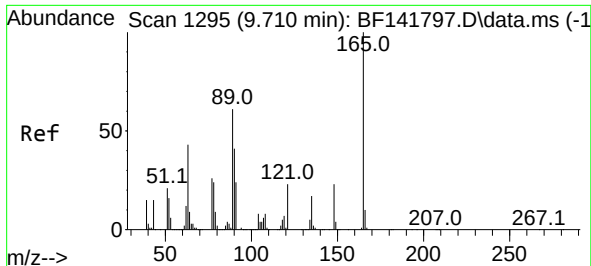
Tgt Ion:172 Resp: 1169102
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 23.7 19.7 29.5



#48
2-Nitroaniline
Concen: 4.727 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.229 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

Tgt Ion: 65 Resp: 2073
Ion Ratio Lower Upper
65 100
92 228.9 55.7 83.5#
138 34.2 80.6 121.0#

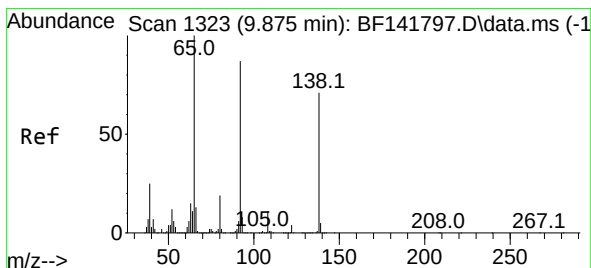
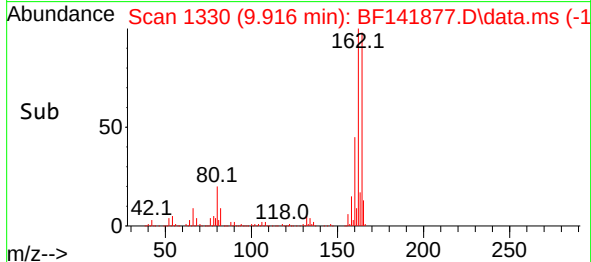
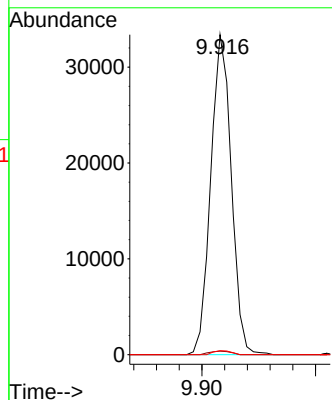
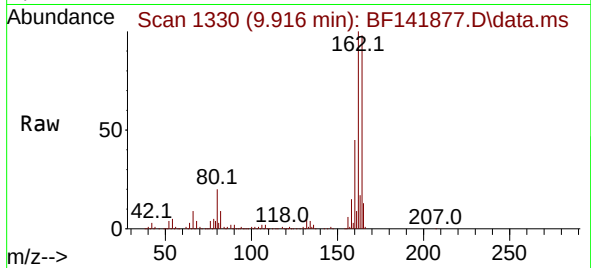




#51
2,6-Dinitrotoluene
Concen: 12.567 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

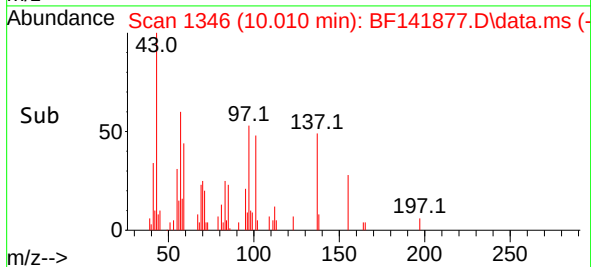
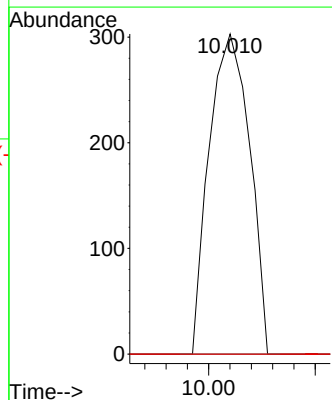
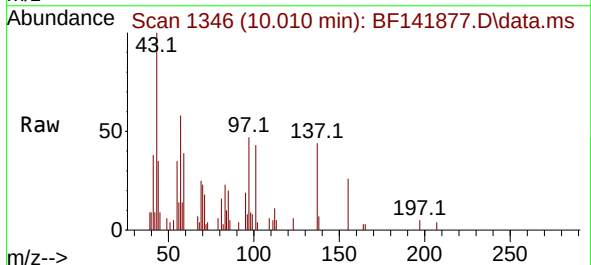
Instrument :
BNA_F
ClientSampleId :
SOIL

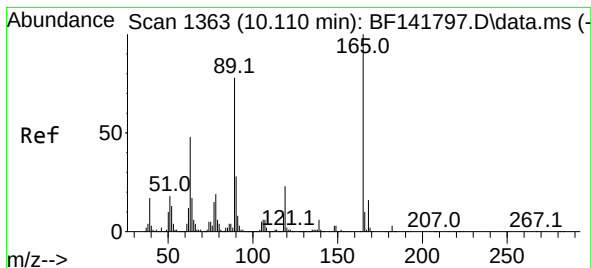
Tgt Ion:165 Resp: 41964
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.3 49.0 73.4#



#53
3-Nitroaniline
Concen: 3.054 ng
RT: 10.010 min Scan# 1346
Delta R.T. 0.135 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

Tgt Ion:138 Resp: 401
Ion Ratio Lower Upper
138 100
108 0.0 12.7 19.1#
92 0.0 97.9 146.9#

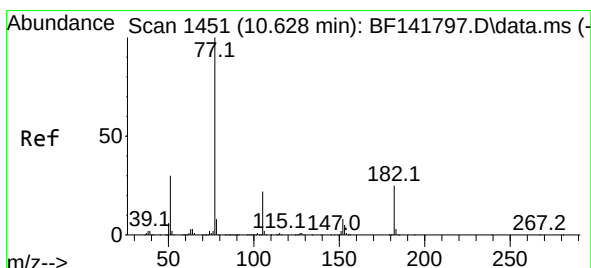
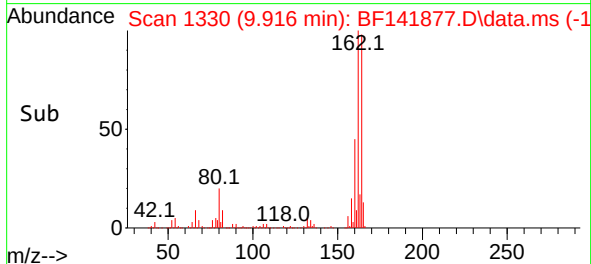
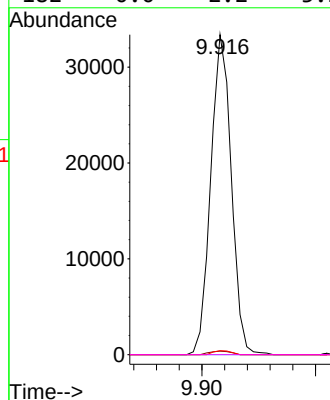
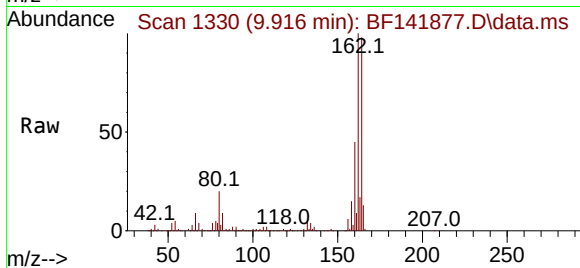




#57
2,4-Dinitrotoluene
Concen: 11.375 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

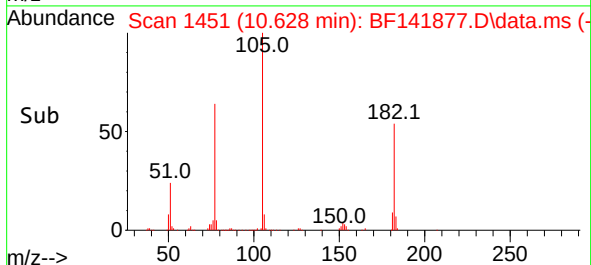
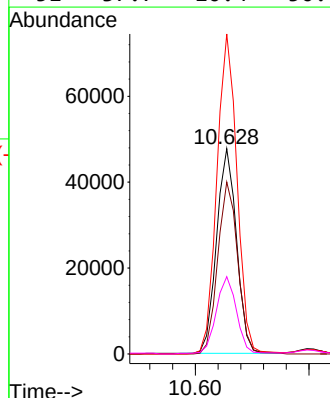
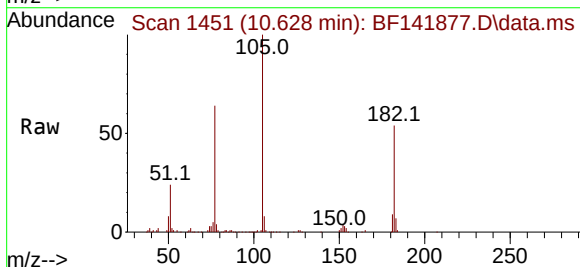
Instrument :
BNA_F
ClientSampleId :
SOIL

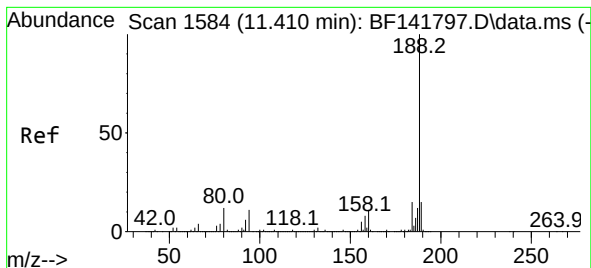
Tgt Ion:165 Resp: 41964
Ion Ratio Lower Upper
165 100
63 1.1 38.8 58.2#
89 1.3 62.6 94.0#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.603 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

Tgt Ion: 77 Resp: 58240
Ion Ratio Lower Upper
77 100
182 83.8 4.2 44.2#
105 155.9 1.5 41.5#
51 37.7 10.4 50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

Instrument :

BNA_F

ClientSampleId :

SOIL

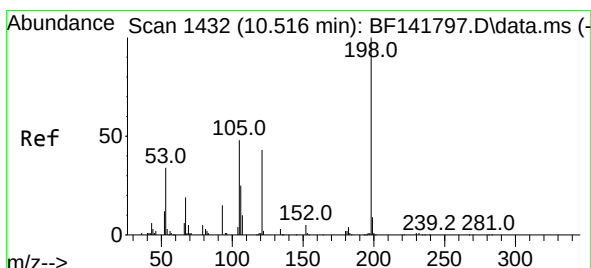
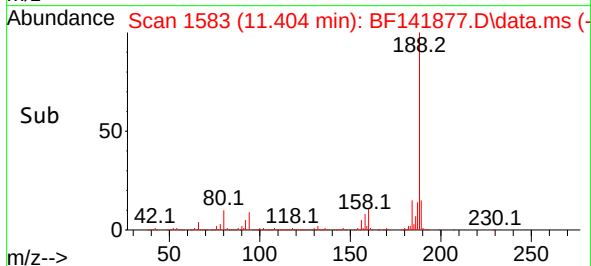
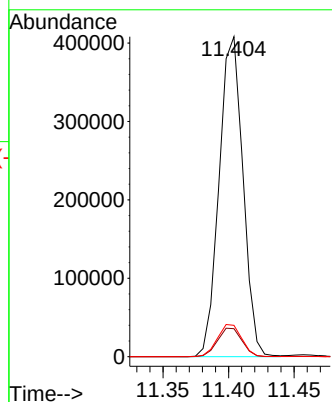
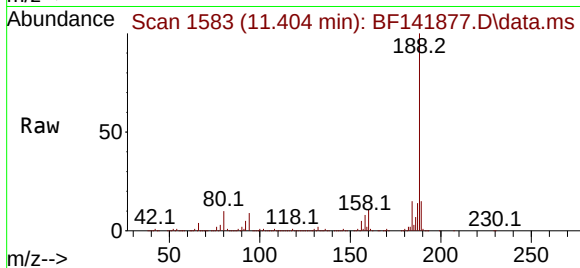
Tgt Ion:188 Resp: 516276

Ion Ratio Lower Upper

188 100

94 8.8 8.9 13.3#

80 9.8 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.298 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141877.D

Acq: 06 Mar 2025 19:28

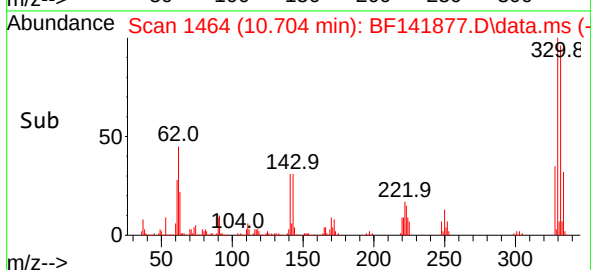
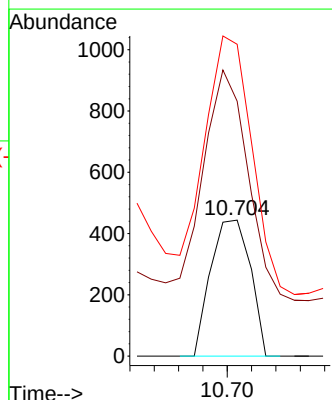
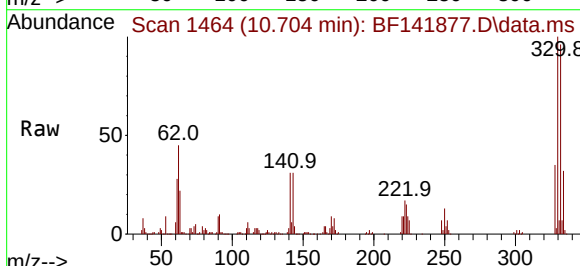
Tgt Ion:198 Resp: 502

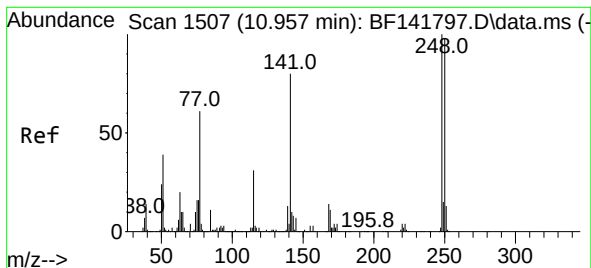
Ion Ratio Lower Upper

198 100

51 187.4 32.1 72.1#

105 229.3 28.5 68.5#

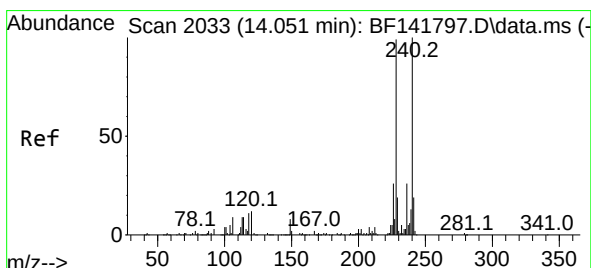
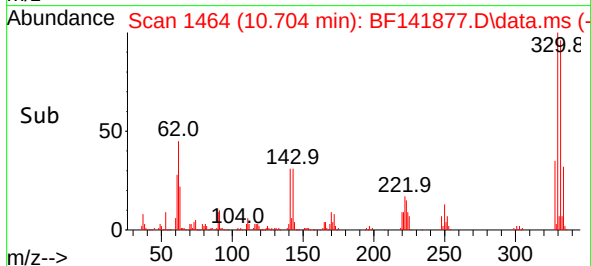
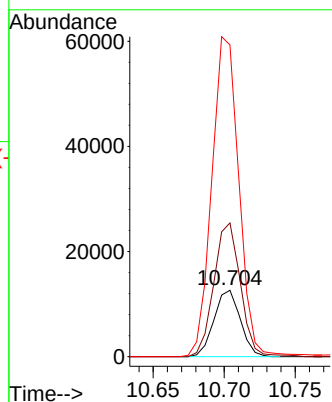
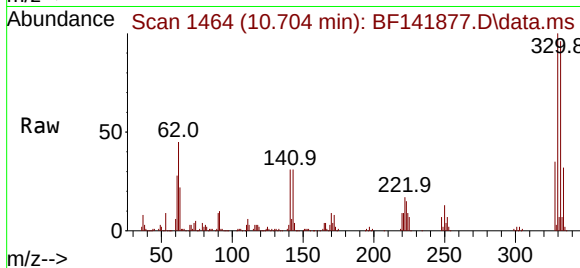




#67
4-Bromophenyl-phenylether
Concen: 2.701 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.253 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

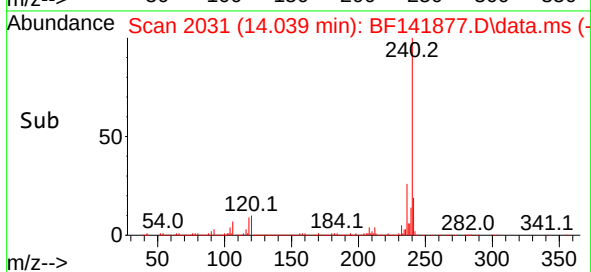
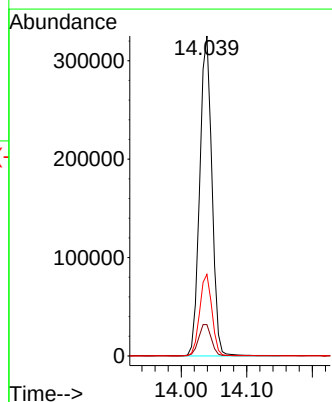
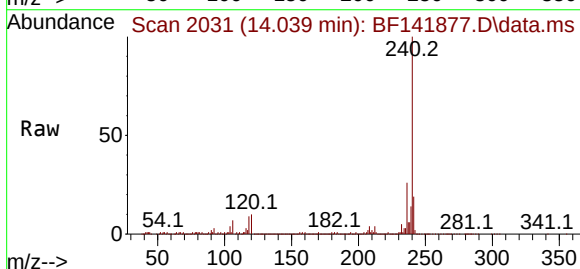
Instrument :
BNA_F
ClientSampleId :
SOIL

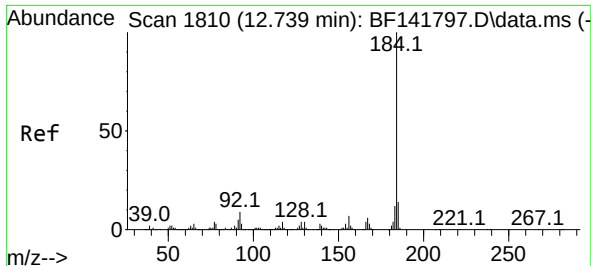
Tgt Ion:248 Resp: 16285
Ion Ratio Lower Upper
248 100
250 201.4 78.1 117.1#
141 469.4 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

Tgt Ion:240 Resp: 421272
Ion Ratio Lower Upper
240 100
120 9.8 9.7 14.5
236 25.5 21.0 31.4

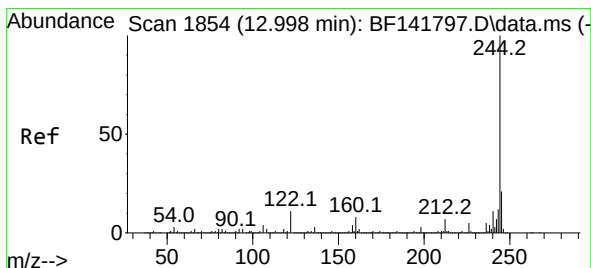
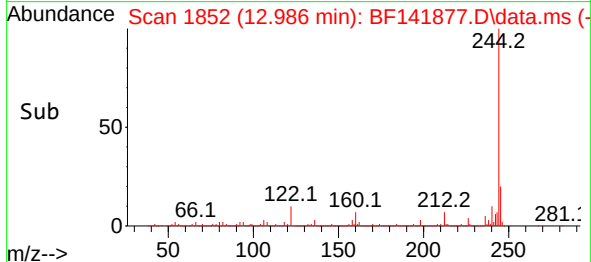
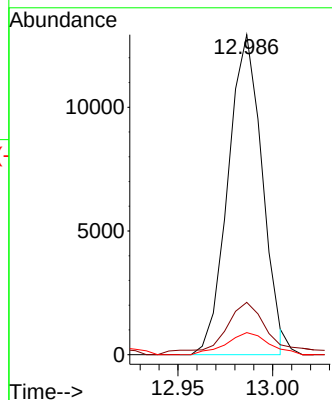
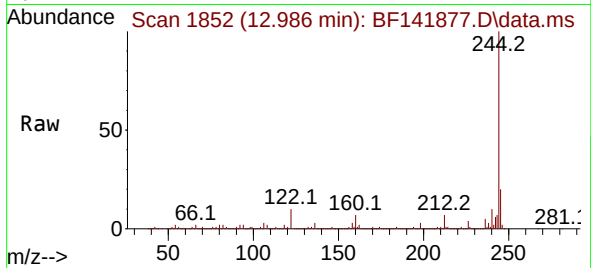




#77
Benzidine
Concen: 3.053 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.247 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

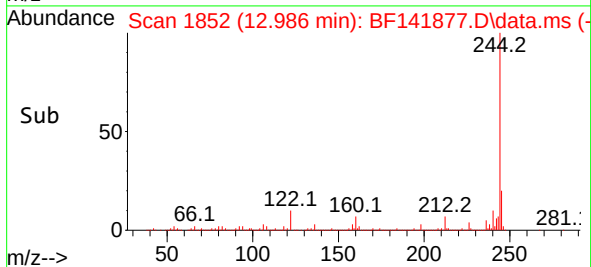
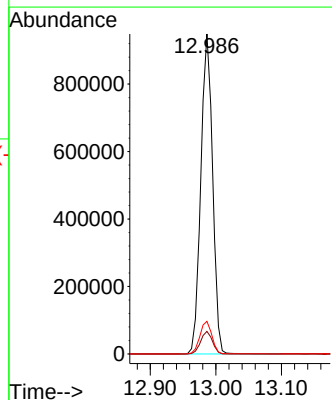
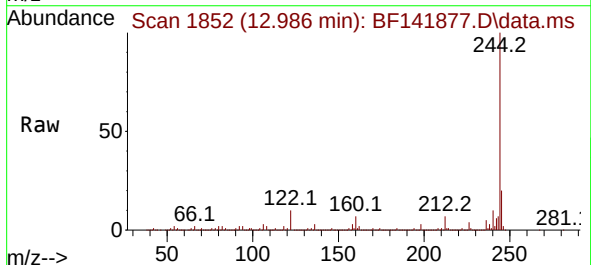
Instrument :
BNA_F
ClientSampleId :
SOIL

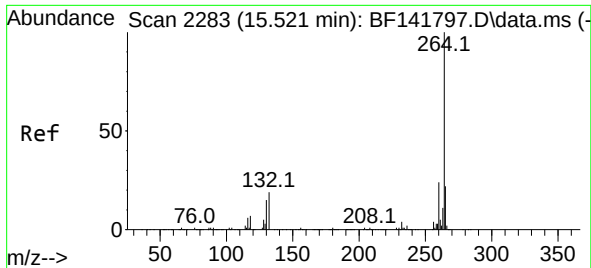
Tgt Ion:184 Resp: 16187
Ion Ratio Lower Upper
184 100
185 16.4 11.6 17.4
183 6.9 9.4 14.0#



#79
Terphenyl-d14
Concen: 45.641 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

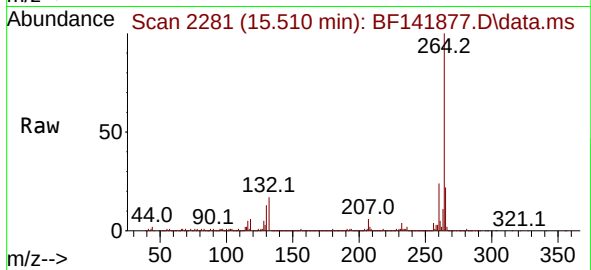
Tgt Ion:244 Resp: 1188389
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 10.2 9.0 13.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141877.D
Acq: 06 Mar 2025 19:28

Instrument :
BNA_F
ClientSampleId :
SOIL



Tgt Ion:264 Resp: 441787
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.6 17.4 26.0

