

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141565.D
 Acq On : 11 Feb 2025 16:42
 Operator : RC/JU
 Sample : Q1340-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RV-SOIL

Quant Time: Feb 11 17:11:16 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)

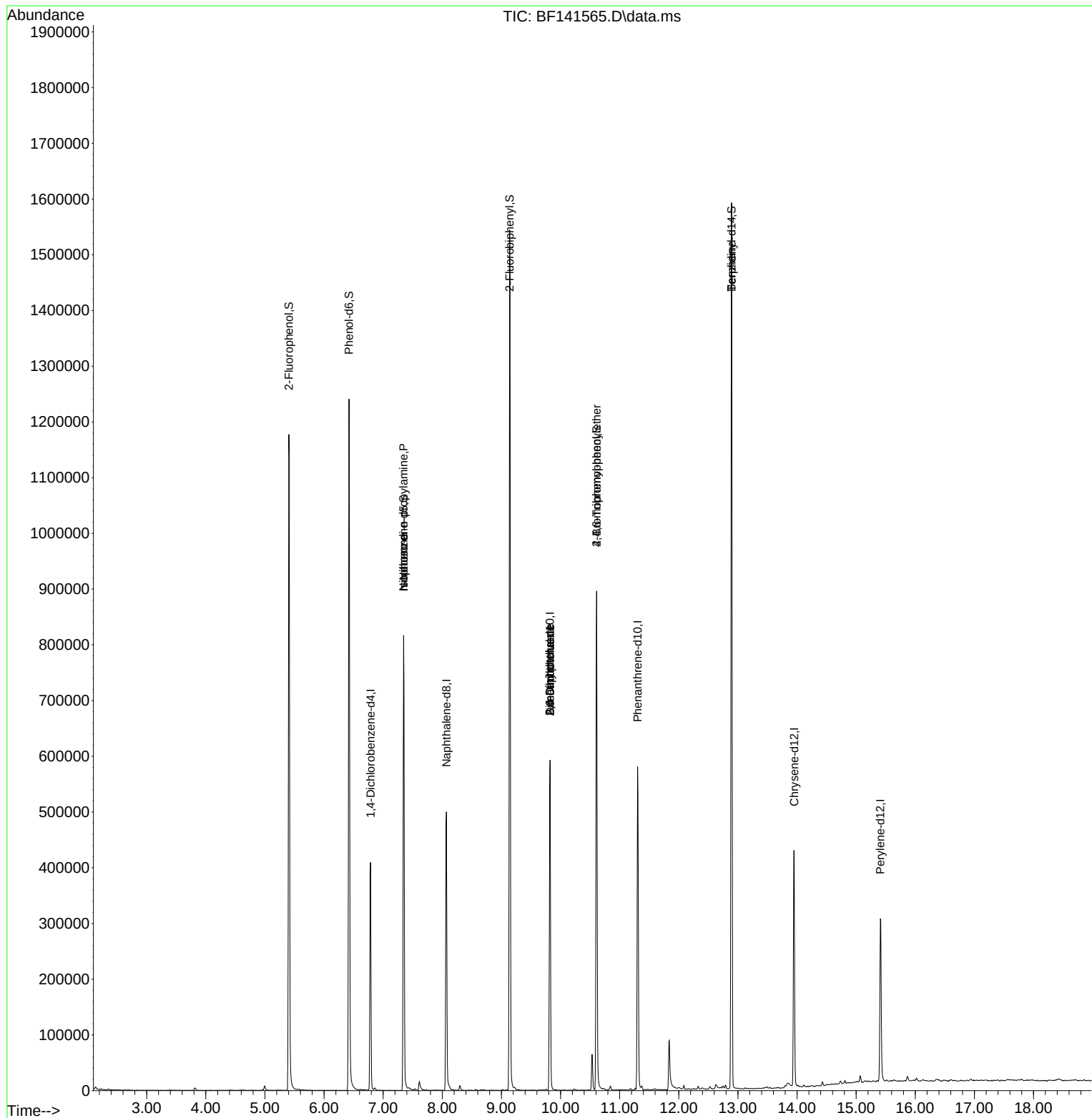
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	86017	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	341898	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	183578	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	316189	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	223357	20.000	ng	-0.01
86) Perylene-d12	15.410	264	181562	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	443911	80.907	ng	0.00
7) Phenol-d6	6.422	99	543748	78.410	ng	-0.02
23) Nitrobenzene-d5	7.345	82	359227	54.802	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	144839	78.541	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	688337	57.767	ng	-0.01
79) Terphenyl-d14	12.892	244	772434	58.382	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	49256	11.874	ng	# 75
25) Isophorone	7.345	82	347120	33.212	ng	# 66
50) Dimethylphthalate	9.822	163	27620	2.216	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	23465	8.613	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	23465	6.470	ng	# 18
67) 4-Bromophenyl-phenylether	10.610	248	10295	2.913	ng	# 1
77) Benzidine	12.892	184	10585	2.149	ng	# 94

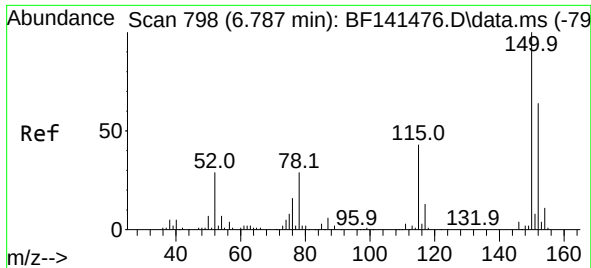
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141565.D
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Sample : Q1340-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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BNA_F
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Quant Time: Feb 11 17:11:16 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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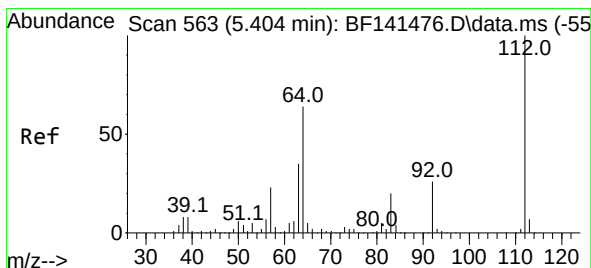
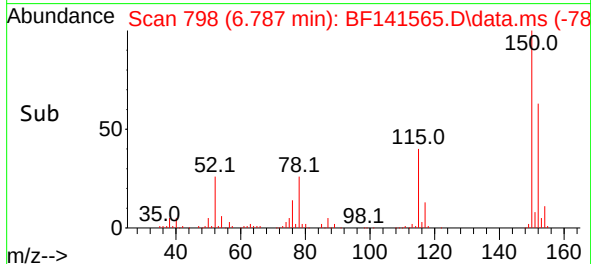
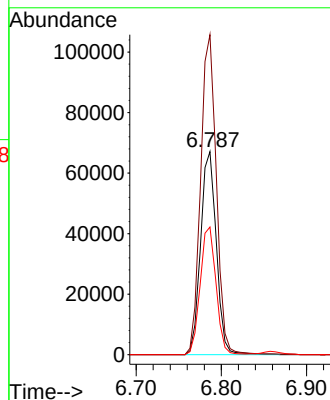
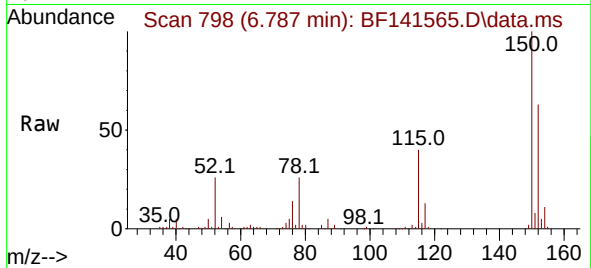




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

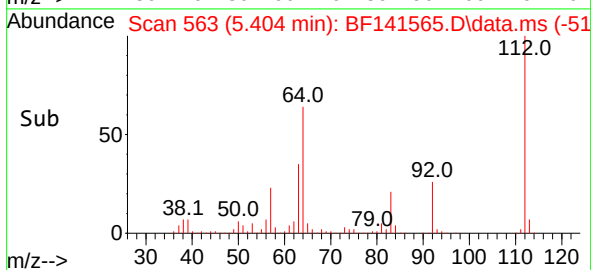
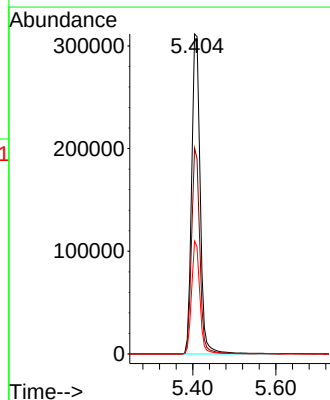
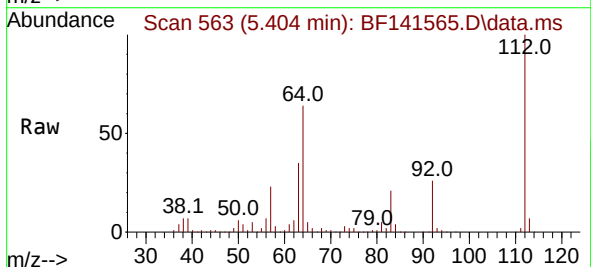
Instrument :
BNA_F
ClientSampleId :
RV-SOIL

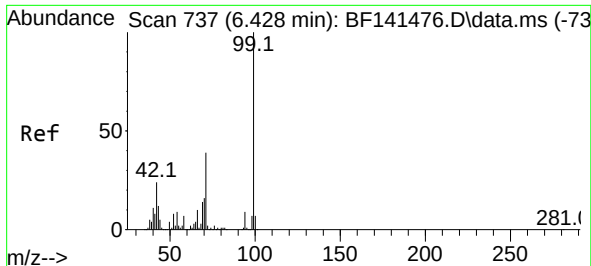
Tgt Ion:152 Resp: 86017
Ion Ratio Lower Upper
152 100
150 157.7 125.0 187.4
115 62.9 53.6 80.4



#5
2-Fluorophenol
Concen: 80.907 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

Tgt Ion:112 Resp: 443911
Ion Ratio Lower Upper
112 100
64 64.3 51.1 76.7
63 35.2 28.4 42.6





#7
Phenol-d6
Concen: 78.410 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

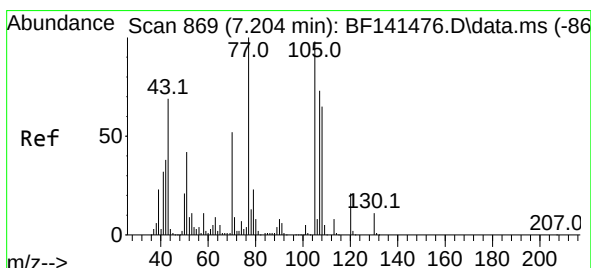
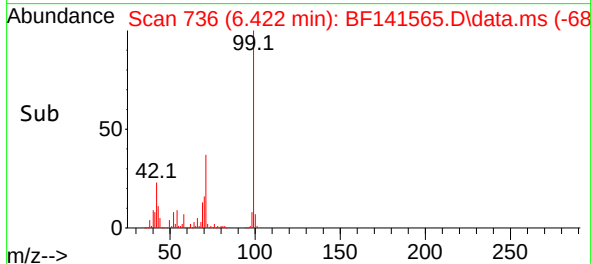
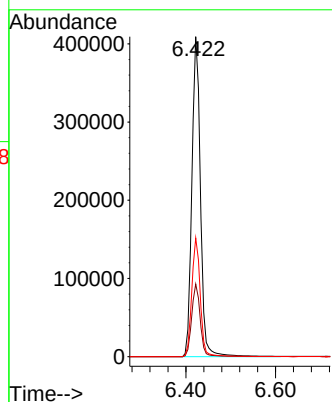
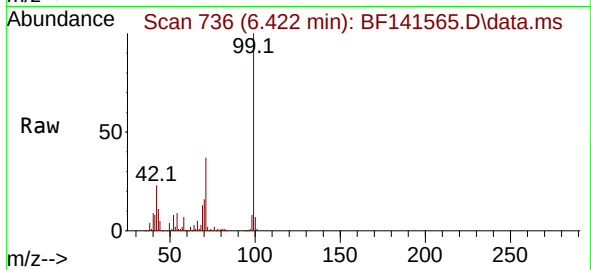
Instrument :

BNA_F

ClientSampleId :

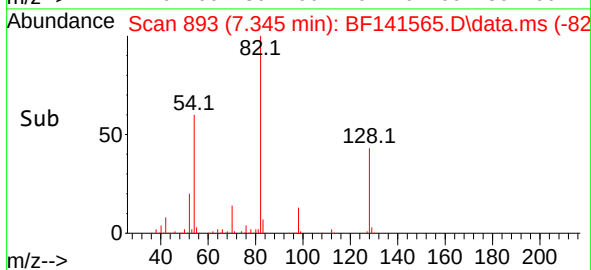
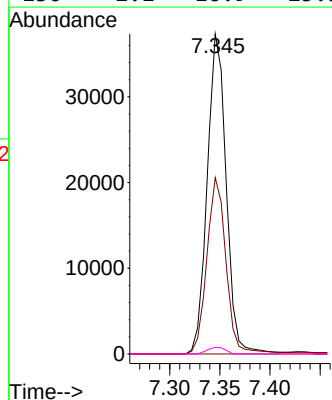
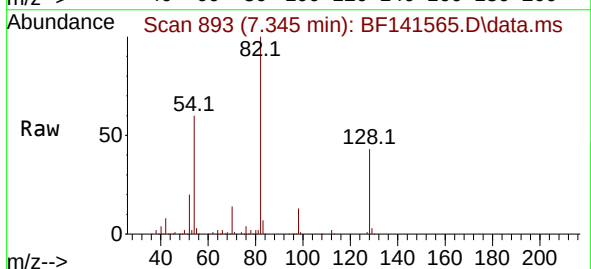
RV-SOIL

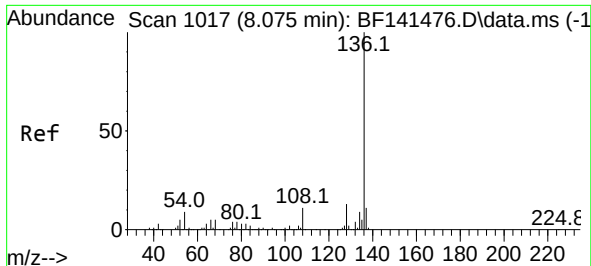
Tgt Ion: 99 Resp: 543748
Ion Ratio Lower Upper
99 100
42 22.7 19.1 28.7
71 37.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.874 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

Tgt Ion: 70 Resp: 49256
Ion Ratio Lower Upper
70 100
42 55.1 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

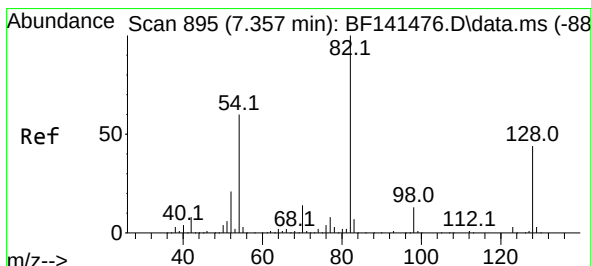
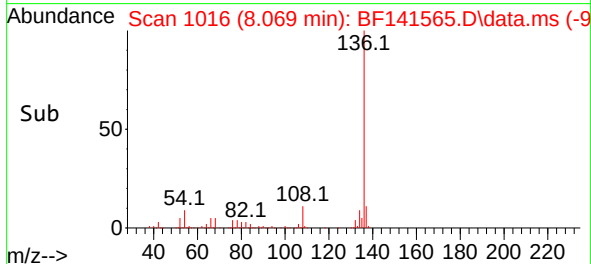
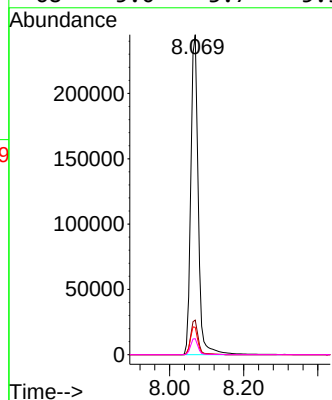
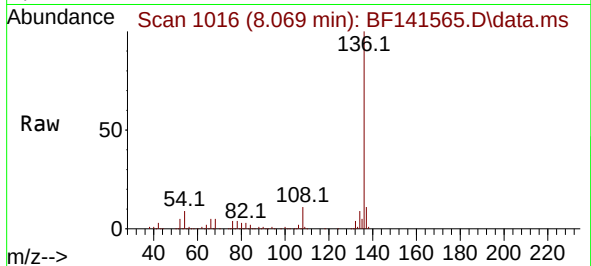




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

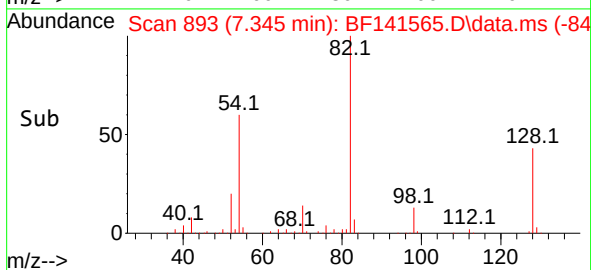
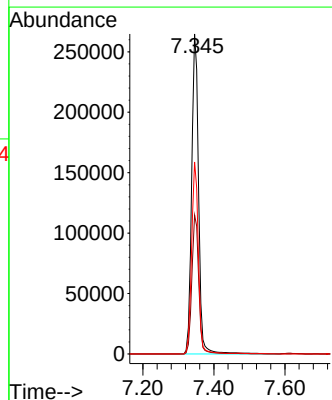
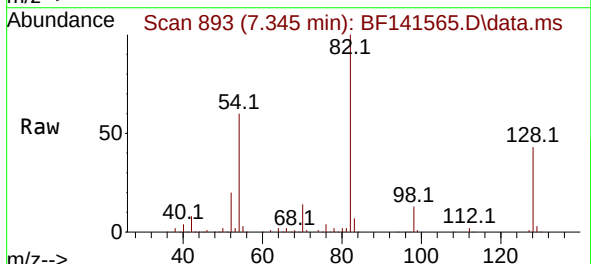
Instrument :
BNA_F
ClientSampleId :
RV-SOIL

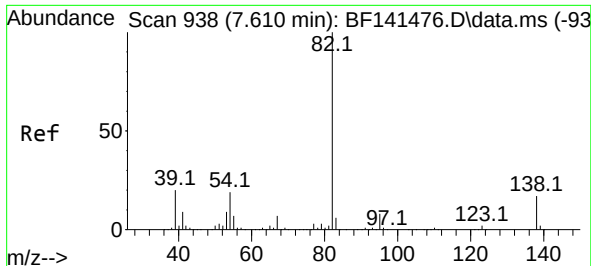
Tgt Ion:136 Resp: 341898
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 7.2 10.8
68 5.0 3.7 5.5



#23
Nitrobenzene-d5
Concen: 54.802 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

Tgt Ion: 82 Resp: 359227
Ion Ratio Lower Upper
82 100
128 43.4 34.8 52.2
54 60.0 48.2 72.4

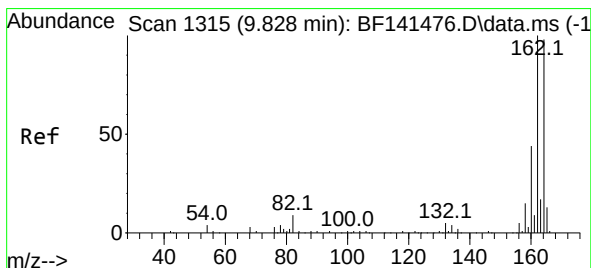
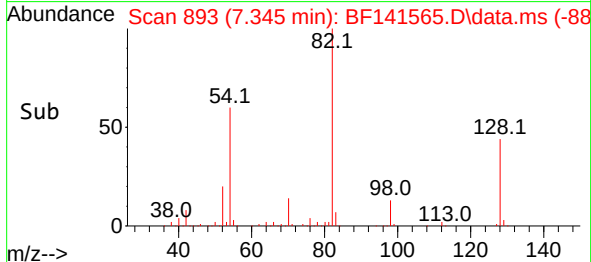
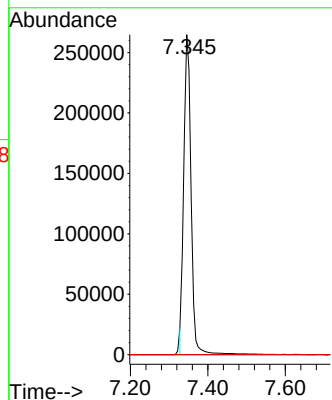
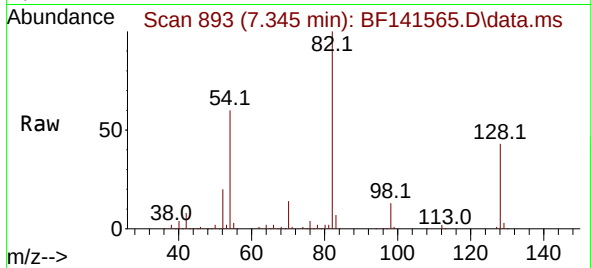




#25
Isophorone
Concen: 33.212 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

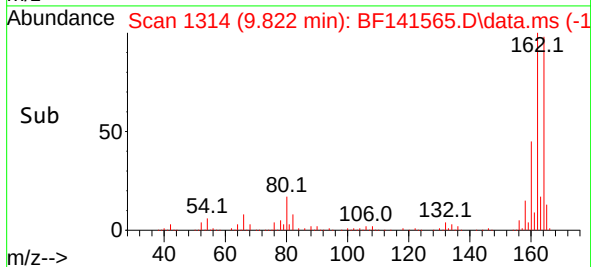
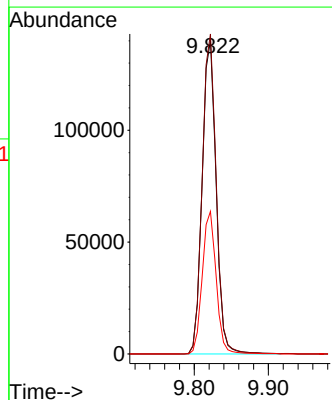
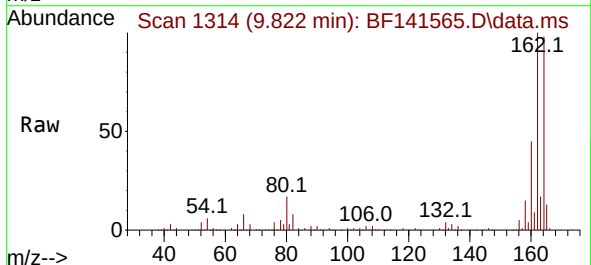
Instrument :
BNA_F
ClientSampleId :
RV-SOIL

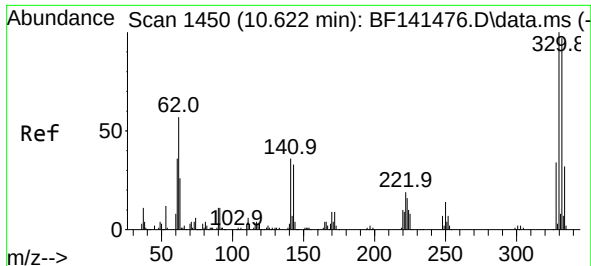
Tgt Ion: 82 Resp: 347120
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

Tgt Ion: 164 Resp: 183578
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 45.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 78.541 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.017 min

Lab File: BF141565.D

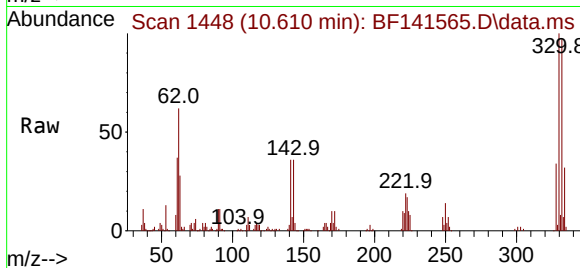
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Instrument :

BNA_F

ClientSampleId :

RV-SOIL



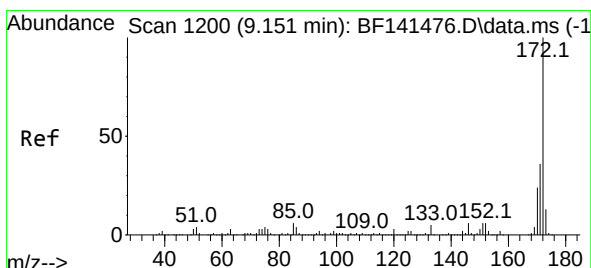
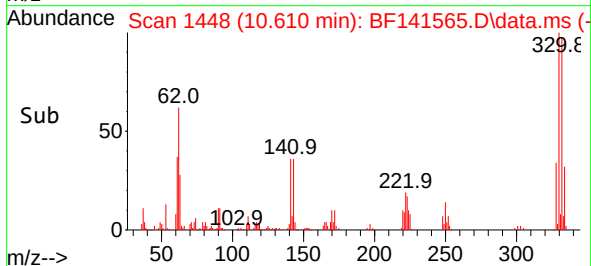
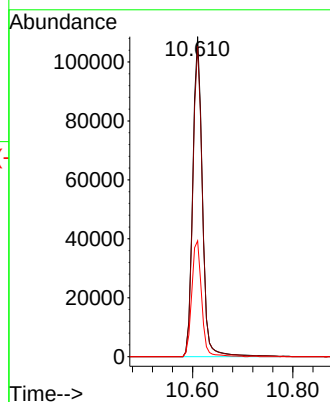
Tgt Ion:330 Resp: 144839

Ion Ratio Lower Upper

330 100

332 96.6 78.5 117.7

141 37.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 57.767 ng

RT: 9.139 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF141565.D

Acq: 11 Feb 2025 16:42

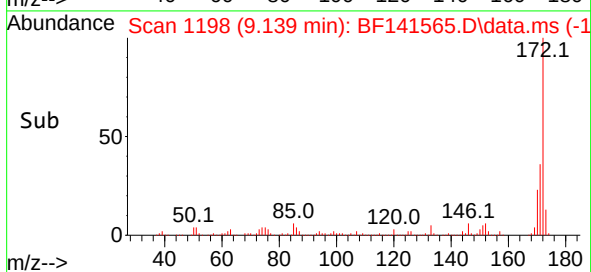
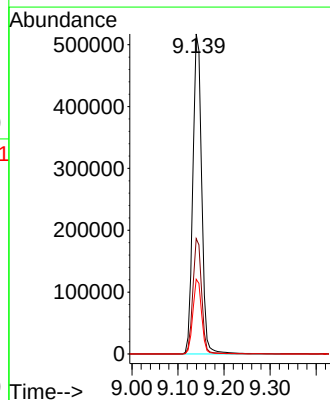
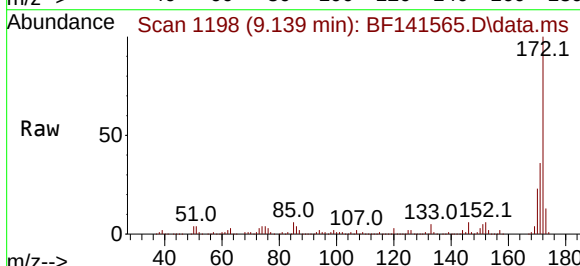
Tgt Ion:172 Resp: 688337

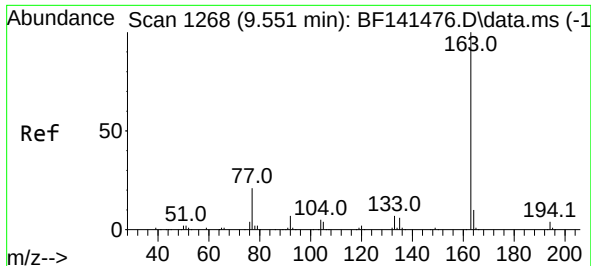
Ion Ratio Lower Upper

172 100

171 36.0 28.7 43.1

170 23.4 18.9 28.3

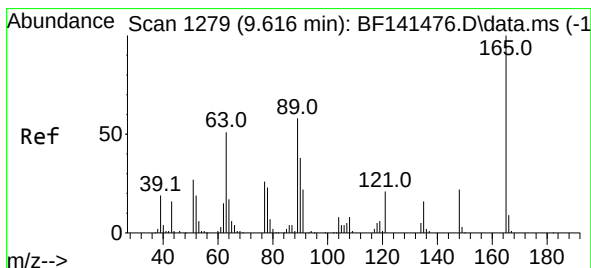
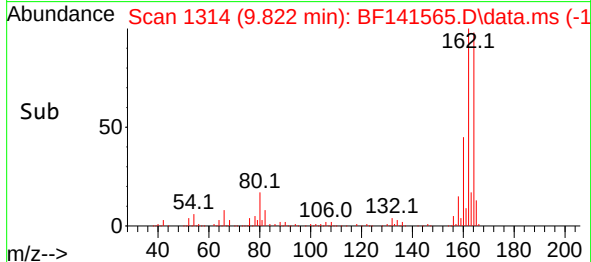
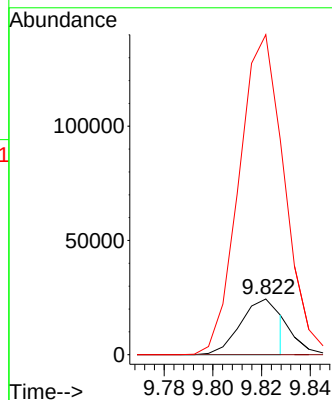
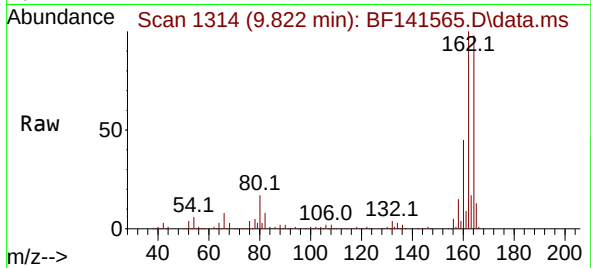




#50
Dimethylphthalate
Concen: 2.216 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

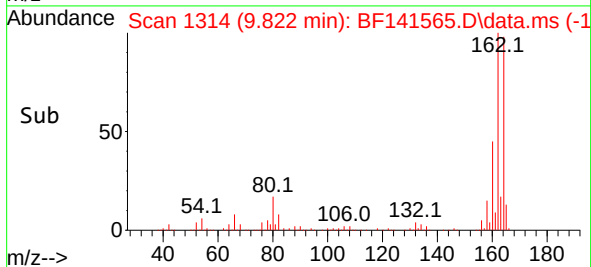
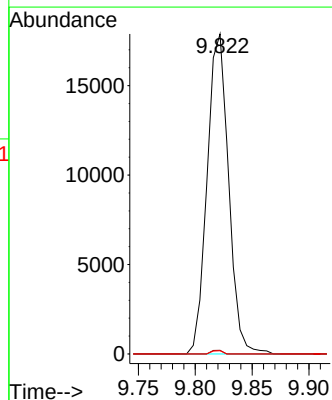
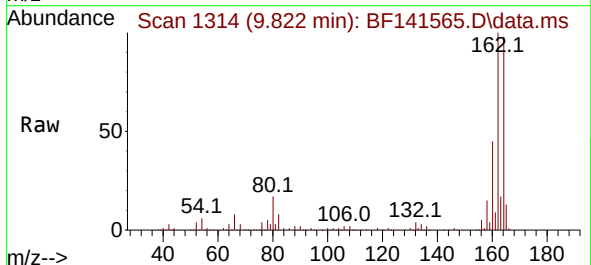
Instrument :
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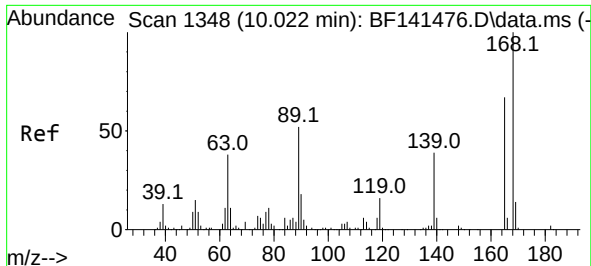
Tgt Ion:163 Resp: 27620
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 574.5 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.613 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

Tgt Ion:165 Resp: 23465
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 1.0 46.5 69.7#

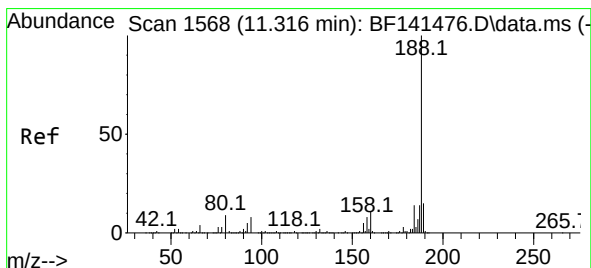
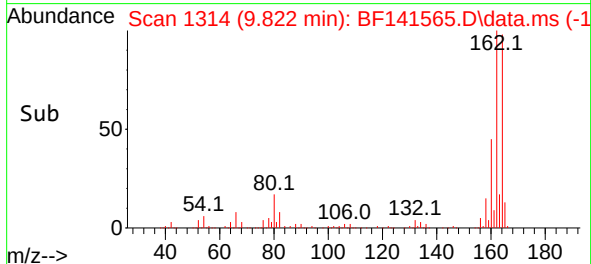
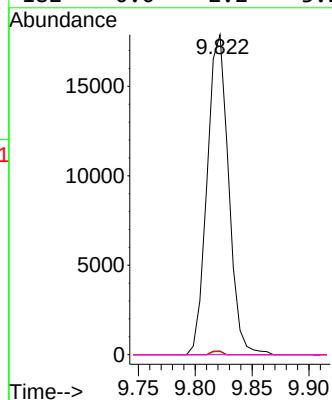
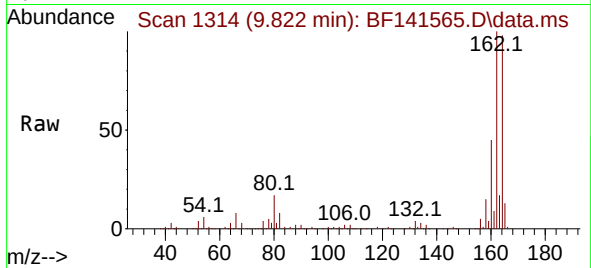




#57
2,4-Dinitrotoluene
Concen: 6.470 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

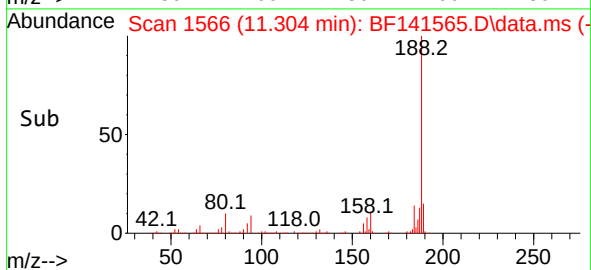
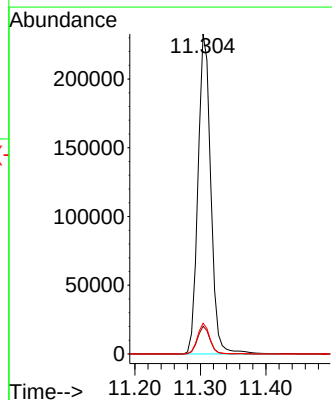
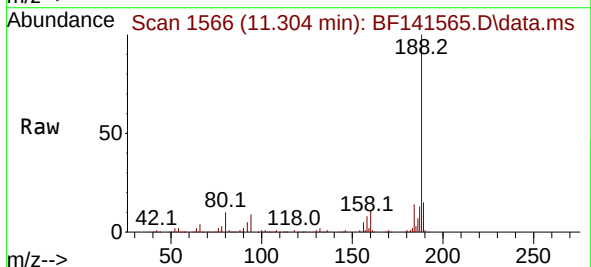
Instrument :
BNA_F
ClientSampleId :
RV-SOIL

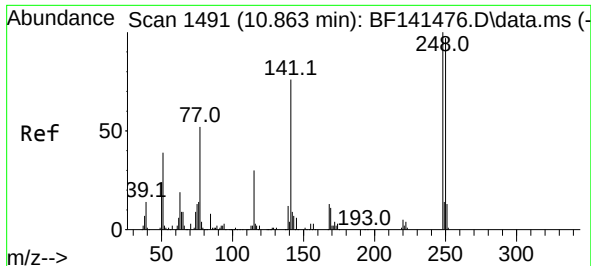
Tgt Ion:	165	Resp:	23465
Ion Ratio	Lower	Upper	
165	100		
63	1.1	46.4	69.6#
89	1.0	61.8	92.6#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

Tgt Ion:	188	Resp:	316189
Ion Ratio	Lower	Upper	
188	100		
94	8.6	6.6	10.0
80	9.6	7.3	10.9

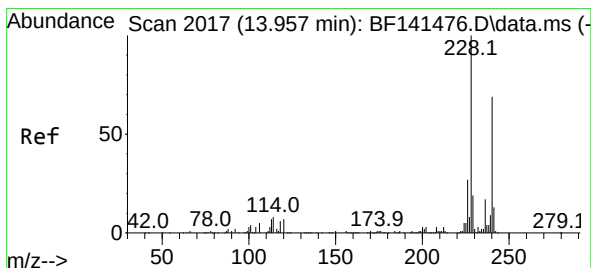
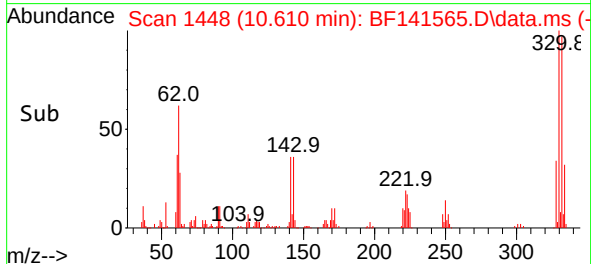
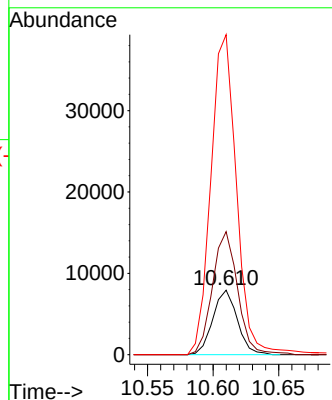
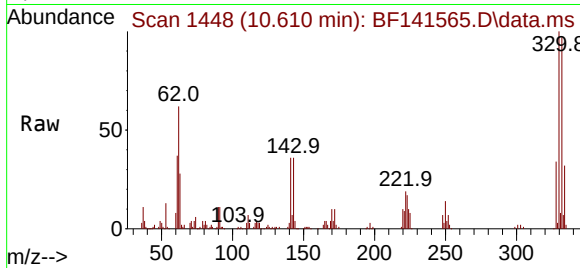




#67
4-Bromophenyl-phenylether
Concen: 2.913 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

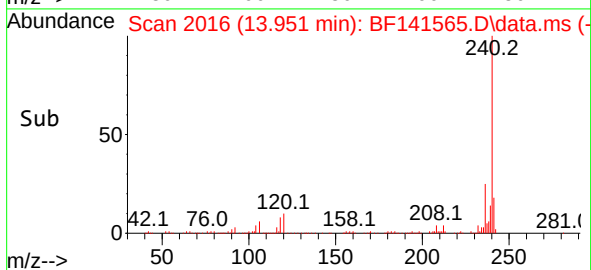
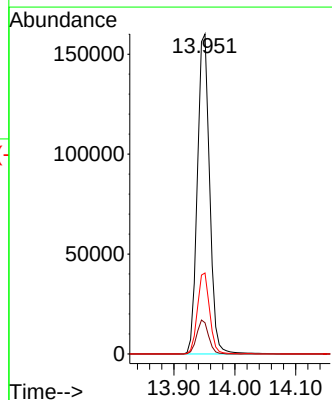
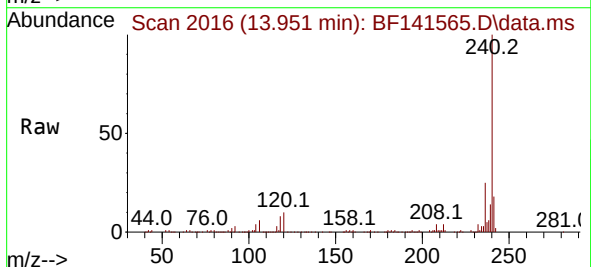
Instrument :
BNA_F
ClientSampleId :
RV-SOIL

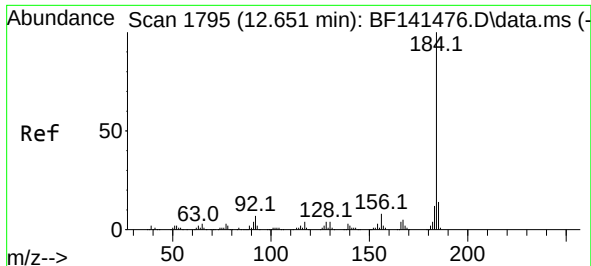
Tgt Ion:248 Resp: 10295
Ion Ratio Lower Upper
248 100
250 190.9 77.8 116.6#
141 496.5 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

Tgt Ion:240 Resp: 223357
Ion Ratio Lower Upper
240 100
120 9.7 8.0 12.0
236 25.3 19.8 29.8

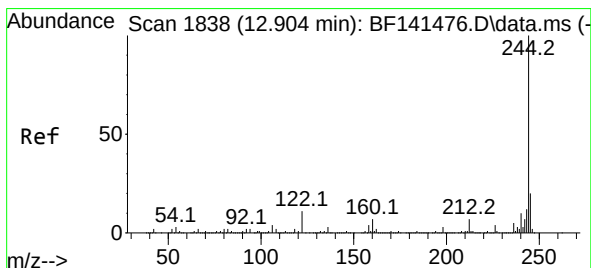
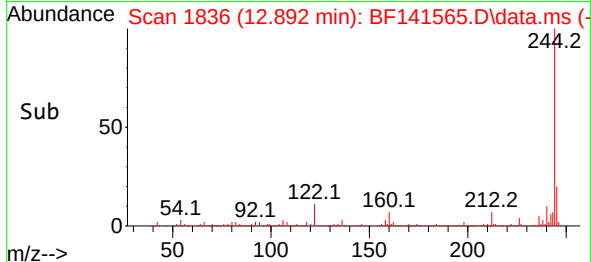
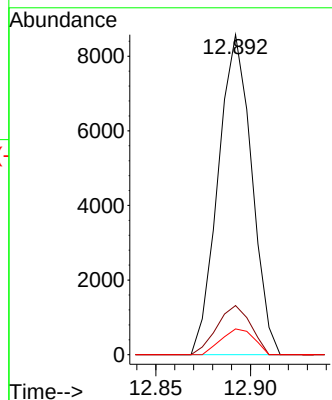
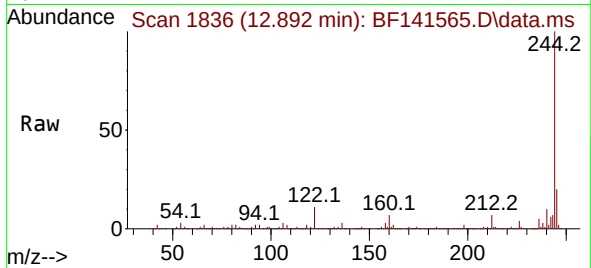




#77
Benzidine
Concen: 2.149 ng
RT: 12.892 min Scan# 1836
Delta R.T. 0.235 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

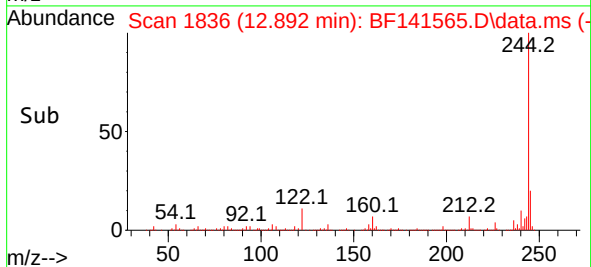
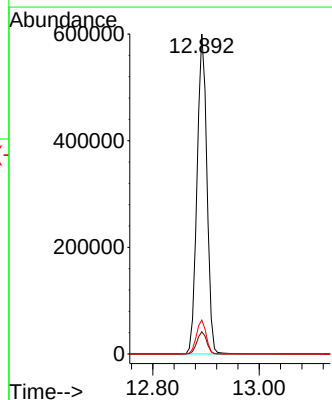
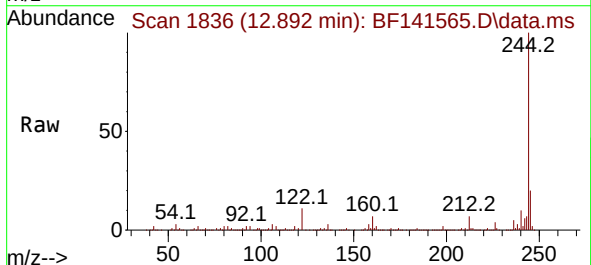
Instrument :
BNA_F
ClientSampleId :
RV-SOIL

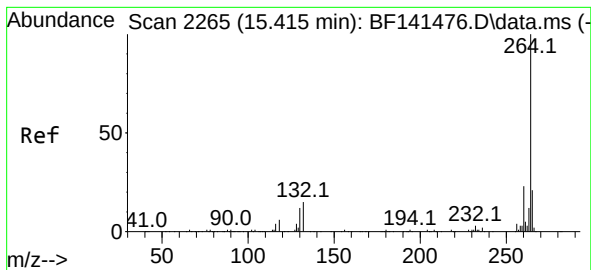
Tgt Ion:184 Resp: 10585
Ion Ratio Lower Upper
184 100
185 15.4 11.3 16.9
183 8.1 9.3 13.9#



#79
Terphenyl-d14
Concen: 58.382 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141565.D
Acq: 11 Feb 2025 16:42

Tgt Ion:244 Resp: 772434
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.6 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141565.D
 Acq: 11 Feb 2025 16:42

Instrument :
 BNA_F
 ClientSampleId :
 RV-SOIL

Tgt Ion:264 Resp: 181562
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 20.9 17.0 25.4

