

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081021\
 Data File : BF125035.D
 Acq On : 10 Aug 2021 17:44
 Operator : JU/CG
 Sample : M3316-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL

Quant Time: Aug 11 04:13:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 11:32:36 2021
 Response via : Initial Calibration

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

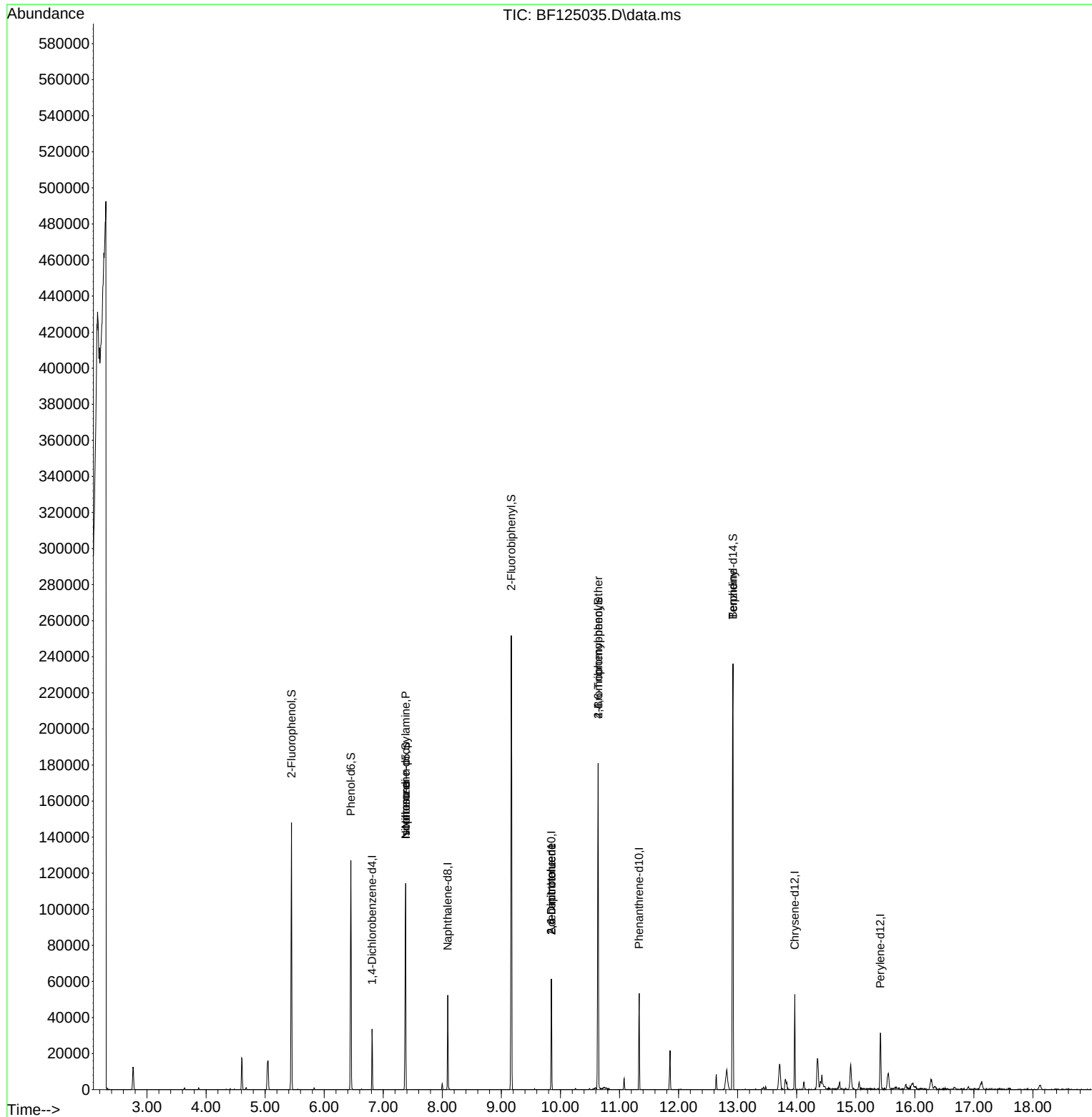
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	4733	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	19414	20.000	ng	# 0.00
39) Acenaphthene-d10	9.845	164	11496	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	18907	20.000	ng	0.00
76) Chrysene-d12	13.968	240	18129	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	14899	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	33994	117.655	ng	0.01
7) Phenol-d6	6.451	99	38512	105.709	ng	0.00
23) Nitrobenzene-d5	7.380	82	36665	98.797	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	18466	179.796	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	74264	94.525	ng	0.00
79) Terphenyl-d14	12.921	244	83533	77.724	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.380	70	5027	23.255	ng	# 59
25) Isophorone	7.380	82	36665	57.886	ng	# 59
51) 2,6-Dinitrotoluene	9.845	165	1422	8.197	ng	# 26
57) 2,4-Dinitrotoluene	9.845	165	1422	6.038	ng	# 18
67) 4-Bromophenyl-phenylether	10.639	248	1306	6.307	ng	# 1
77) Benzidine	12.921	184	1174	2.420	ng	# 69

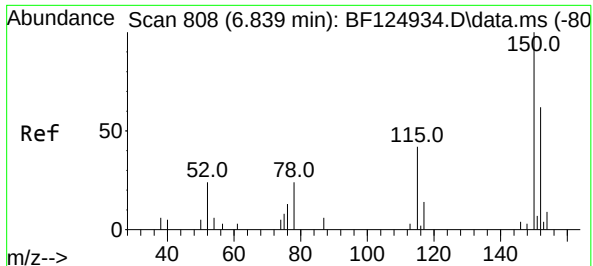
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081021\
Data File : BF125035.D
Acq On : 10 Aug 2021 17:44
Operator : JU/CG
Sample : M3316-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL

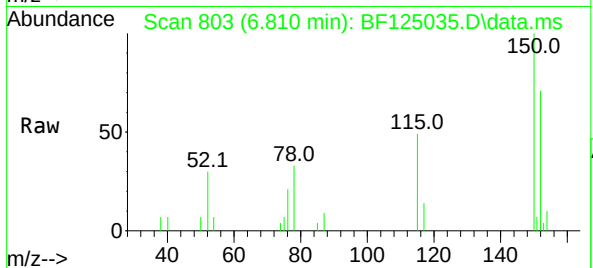
Quant Time: Aug 11 04:13:59 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 10 11:32:36 2021
Response via : Initial Calibration



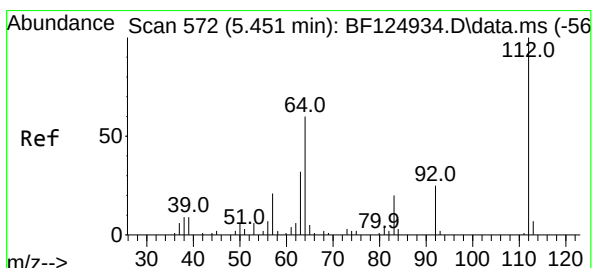
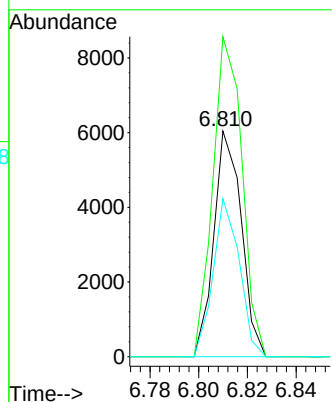
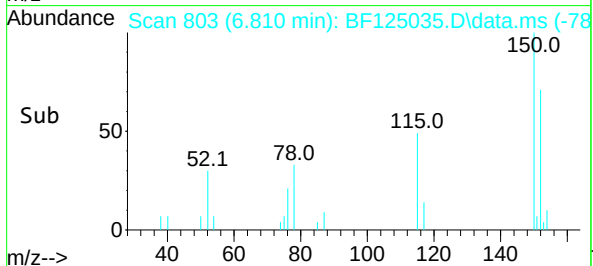


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

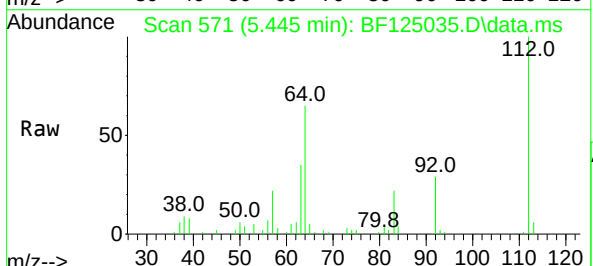
Instrument :
BNA_F
ClientSampleId :
SOIL



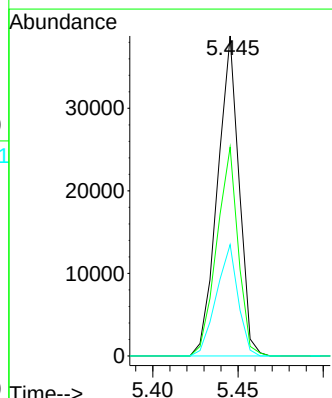
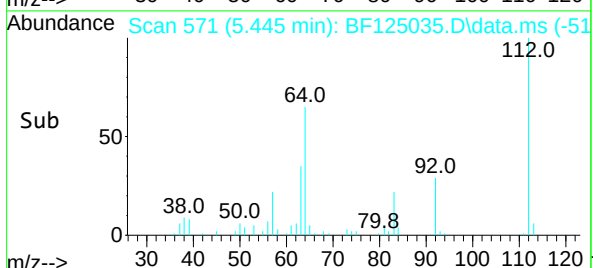
Tgt Ion:152 Resp: 4733
Ion Ratio Lower Upper
152 100
150 141.8 117.6 176.4
115 70.0 47.1 70.7

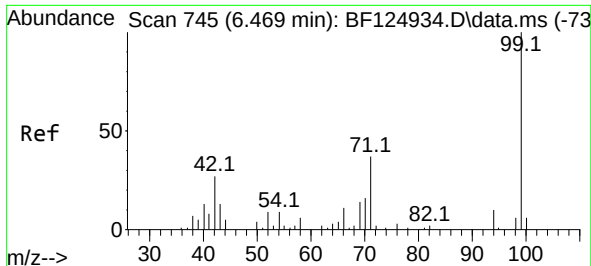


#5
2-Fluorophenol
Concen: 117.655 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44



Tgt Ion:112 Resp: 33994
Ion Ratio Lower Upper
112 100
64 65.3 44.2 66.2
63 34.8 26.2 39.2

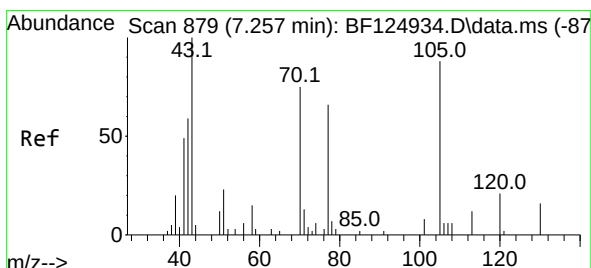
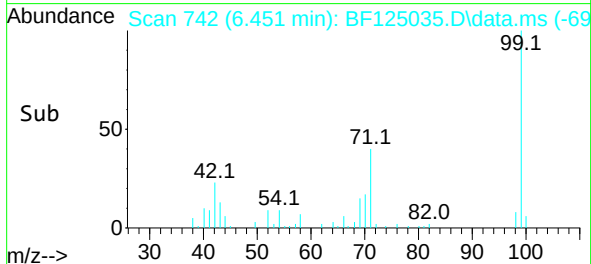
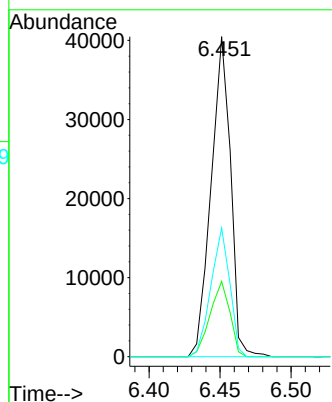
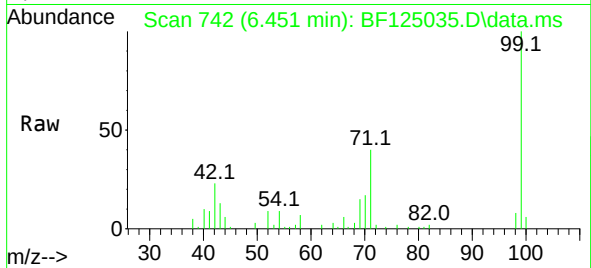




#7
Phenol-d6
Concen: 105.709 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

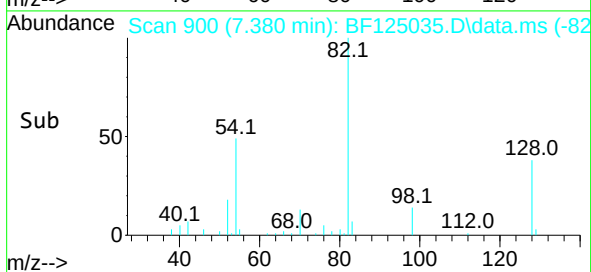
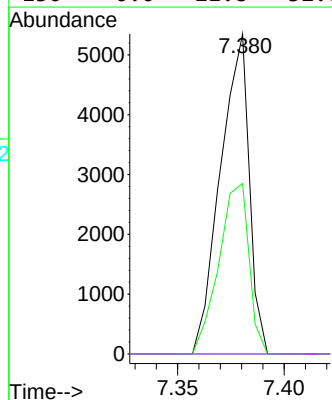
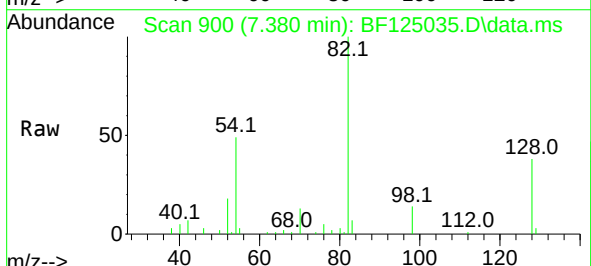
Instrument :
BNA_F
ClientSampled :
SOIL

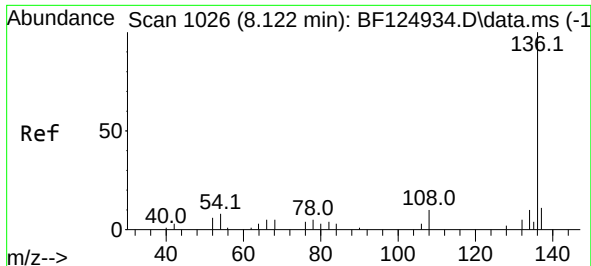
Tgt Ion: 99 Resp: 38512
Ion Ratio Lower Upper
99 100
42 23.5 23.5 35.3#
71 40.2 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 23.255 ng
RT: 7.380 min Scan# 900
Delta R.T. 0.153 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

Tgt Ion: 70 Resp: 5027
Ion Ratio Lower Upper
70 100
42 53.2 72.2 108.2#
101 0.0 7.8 11.8#
130 0.0 21.8 32.6#

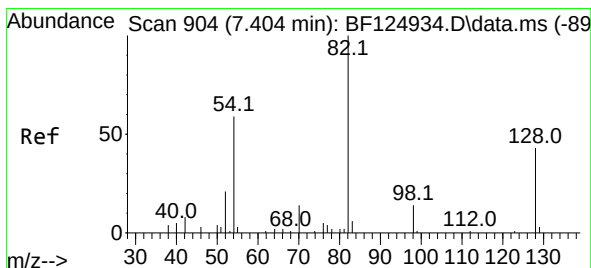
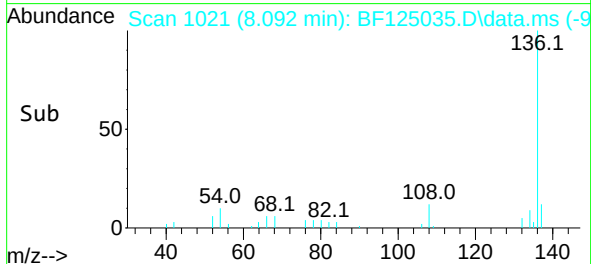
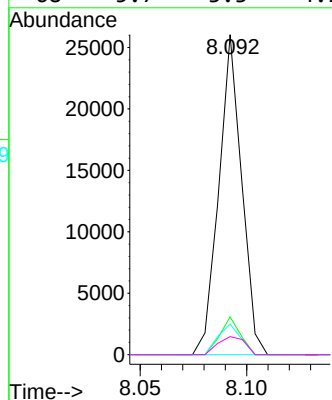
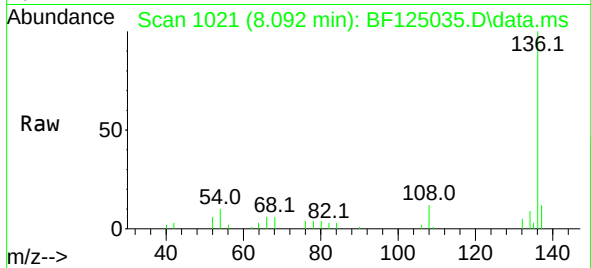




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

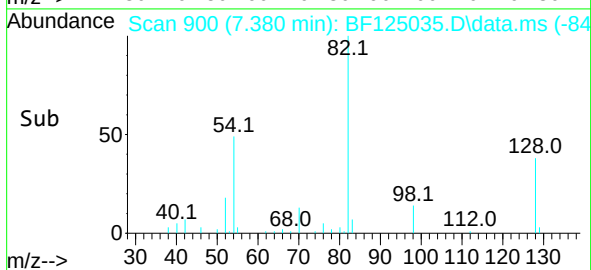
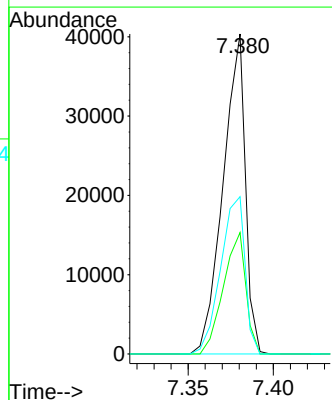
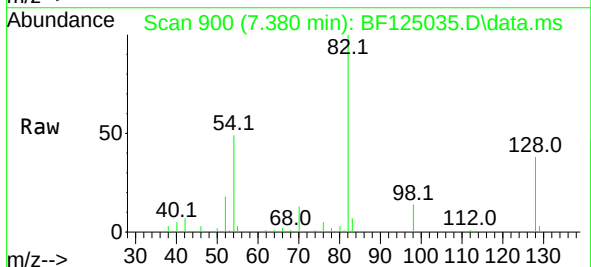
Instrument :
BNA_F
ClientSampled :
SOIL

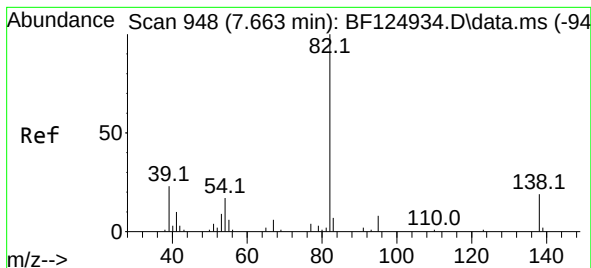
Tgt Ion:136	Resp:	19414
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.8 14.6
54	9.6	6.4 9.6
68	5.7	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 98.797 ng
RT: 7.380 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

Tgt Ion: 82	Resp:	36665
Ion Ratio	Lower	Upper
82	100	
128	38.0	40.6 60.8#
54	49.2	49.6 74.4#





#25

Isophorone

Concen: 57.886 ng

RT: 7.380 min Scan# 900

Delta R.T. -0.259 min

Lab File: BF125035.D

Acq: 10 Aug 2021 17:44

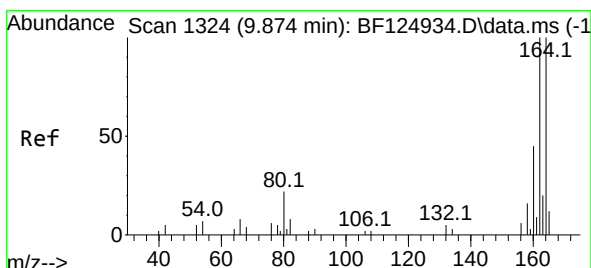
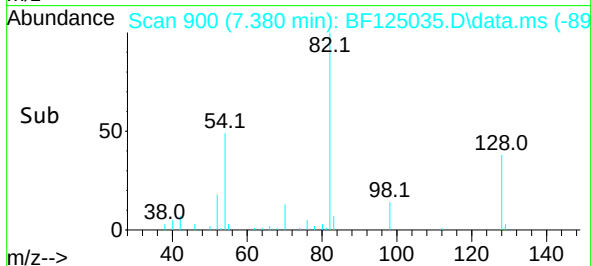
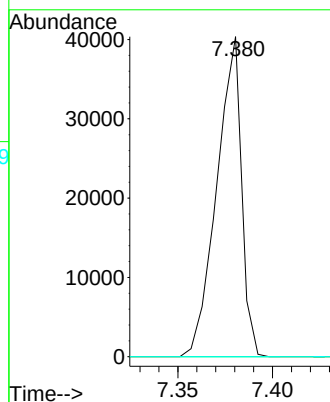
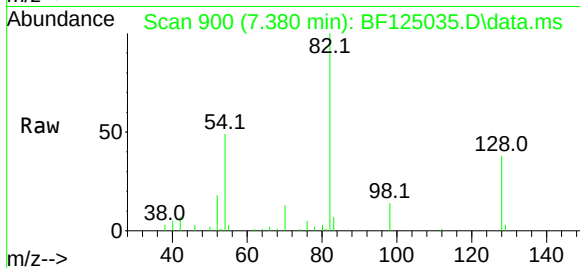
Tgt Ion: 82	Resp: 36665
Ion Ratio	Lower Upper
82 100	
95 0.0	6.5 9.7#
138 0.0	18.4 27.6#

Instrument :

BNA_F

ClientSampleId :

SOIL



#39

Acenaphthene-d10

Concen: 20.000 ng

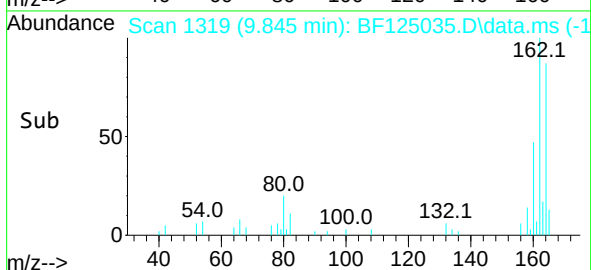
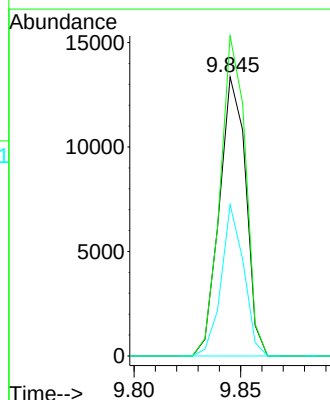
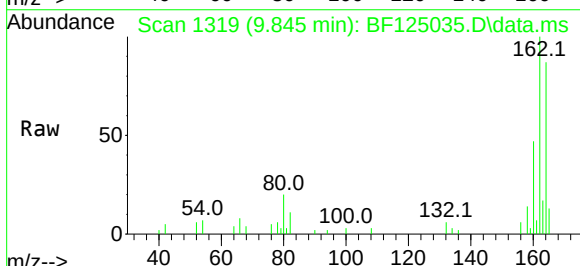
RT: 9.845 min Scan# 1319

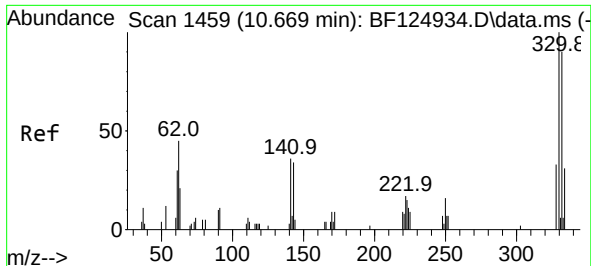
Delta R.T. -0.006 min

Lab File: BF125035.D

Acq: 10 Aug 2021 17:44

Tgt Ion: 164	Resp: 11496
Ion Ratio	Lower Upper
164 100	
162 114.6	81.3 121.9
160 54.2	38.0 57.0

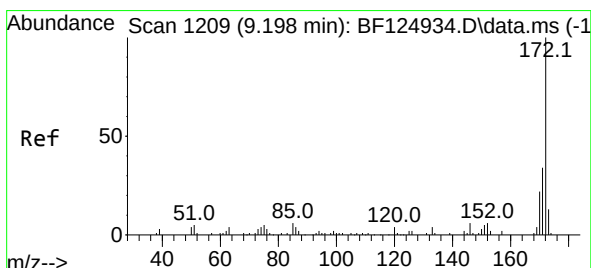
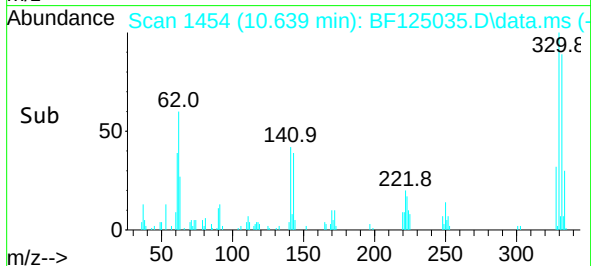
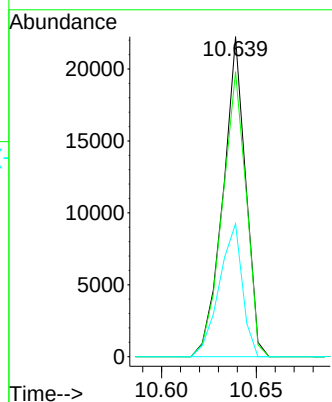
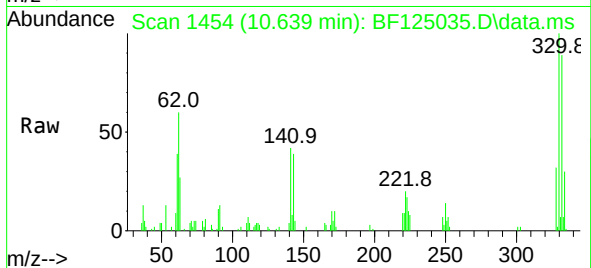




#42
2,4,6-Tribromophenol
Concen: 179.796 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.000 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

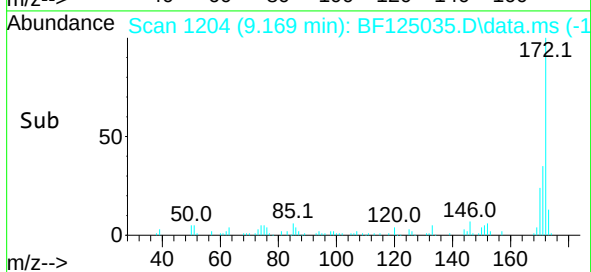
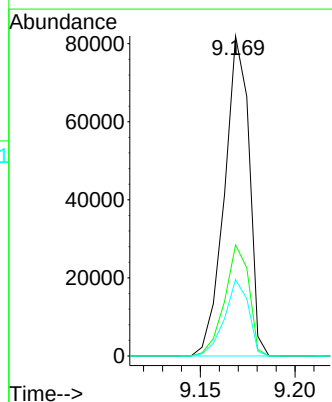
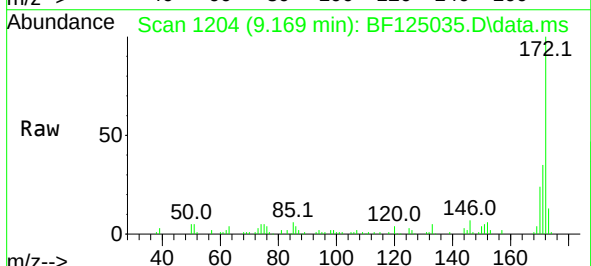
Instrument :
BNA_F
ClientSampled :
SOIL

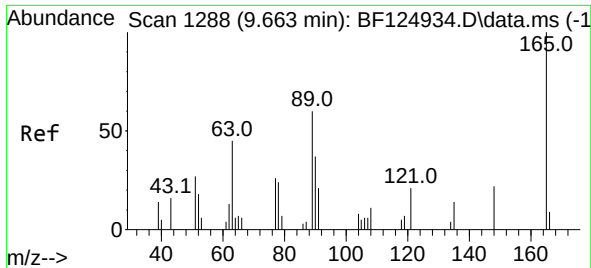
Tgt Ion:330 Resp: 18466
Ion Ratio Lower Upper
330 100
332 93.5 76.2 114.4
141 42.4 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 94.525 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

Tgt Ion:172 Resp: 74264
Ion Ratio Lower Upper
172 100
171 34.7 26.5 39.7
170 23.8 18.8 28.2

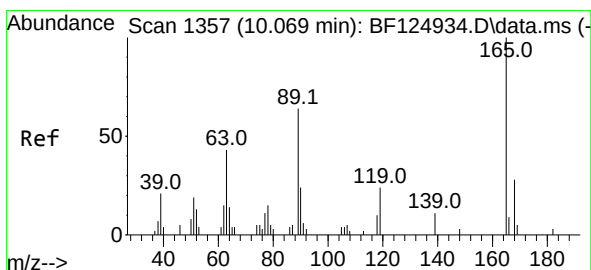
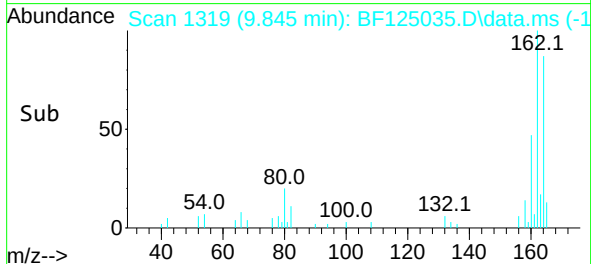
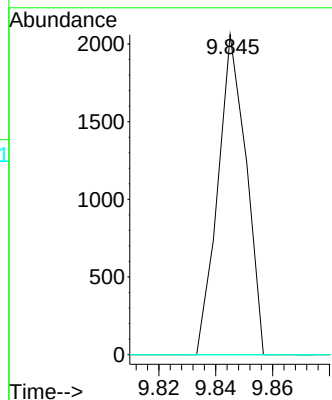
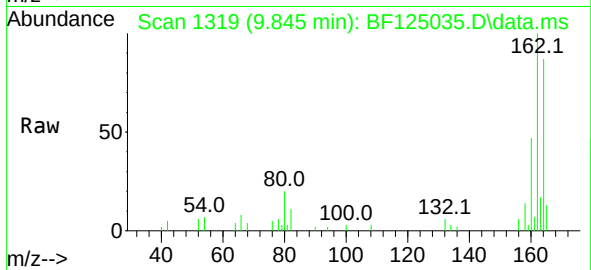




#51
2,6-Dinitrotoluene
Concen: 8.197 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.206 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

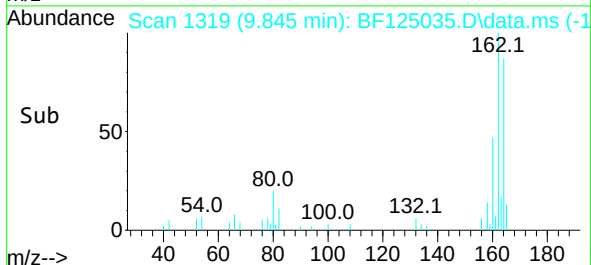
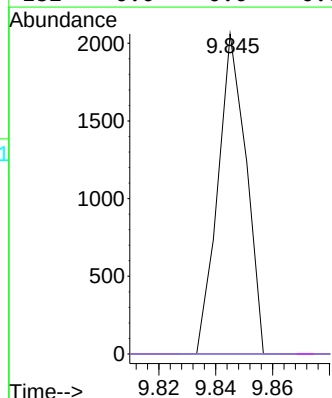
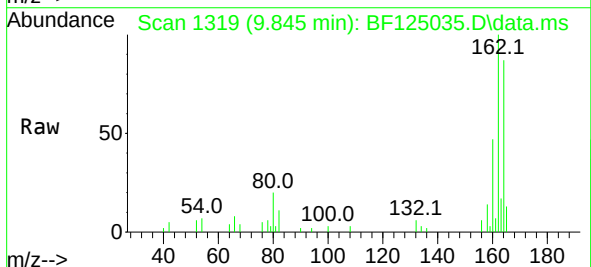
Instrument :
BNA_F
ClientSampled :
SOIL

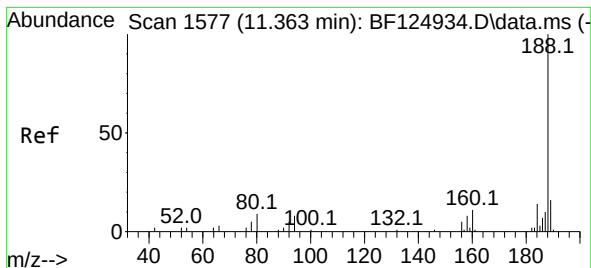
Tgt Ion:165 Resp: 1422
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 6.038 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.200 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

Tgt Ion:165 Resp: 1422
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

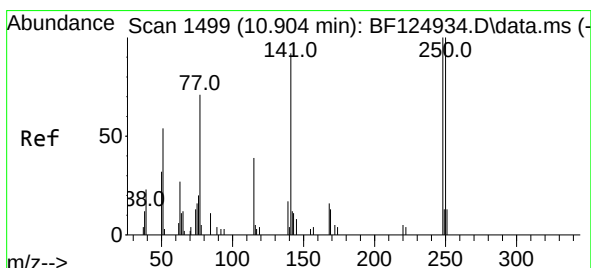
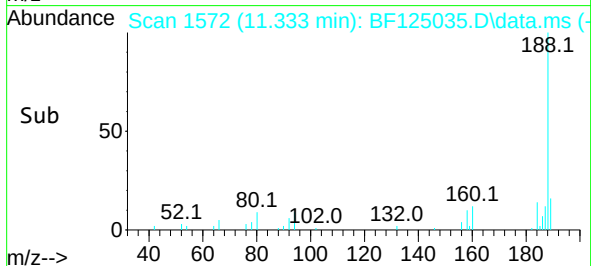
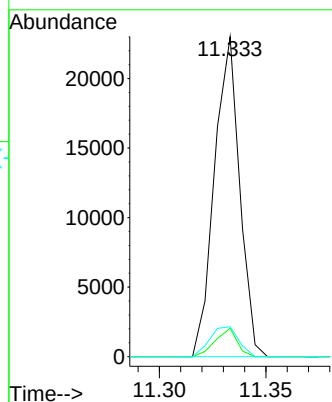
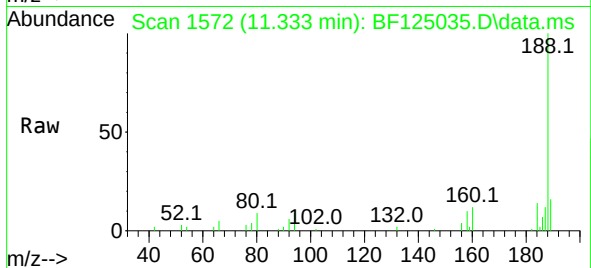




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

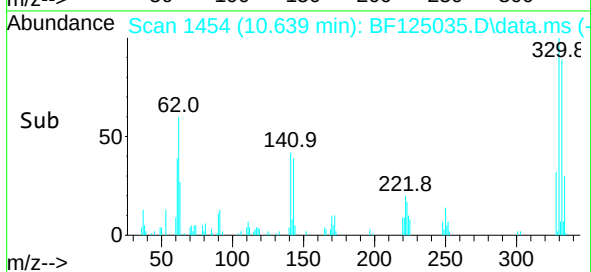
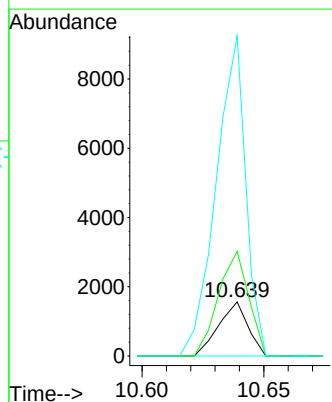
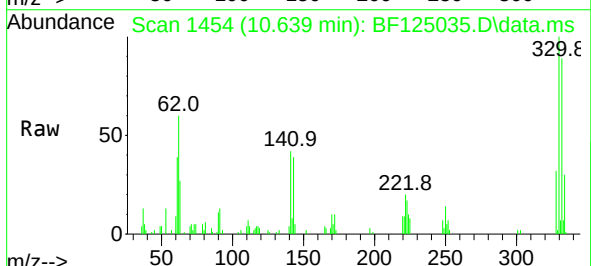
Instrument :
BNA_F
ClientSampled :
SOIL

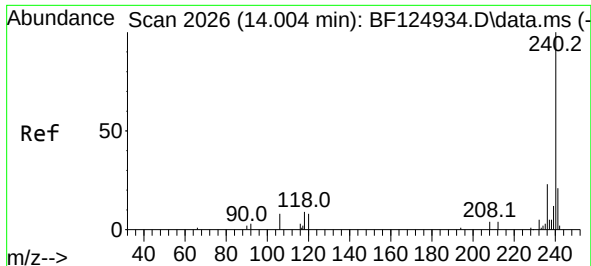
Tgt Ion:188 Resp: 18907
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 9.3 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 6.307 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.241 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

Tgt Ion:248 Resp: 1306
Ion Ratio Lower Upper
248 100
250 193.4 74.2 111.4#
141 591.5 60.4 90.6#

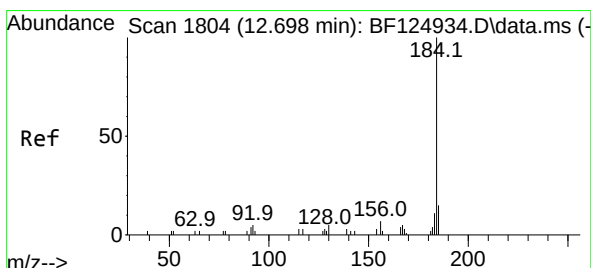
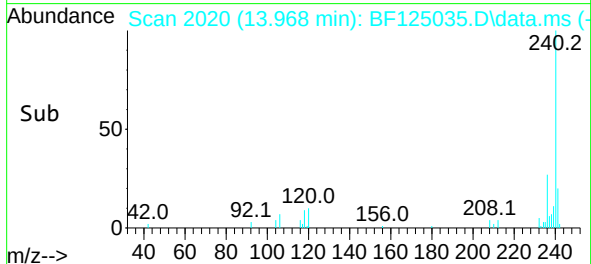
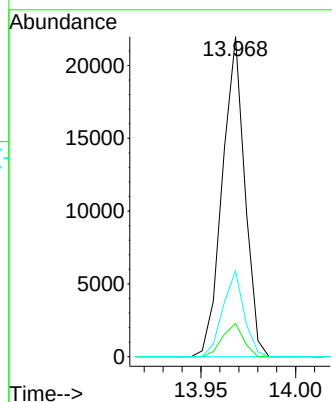
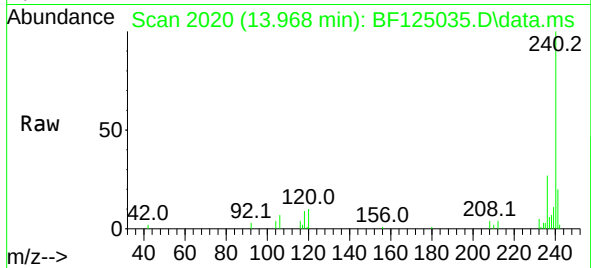




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

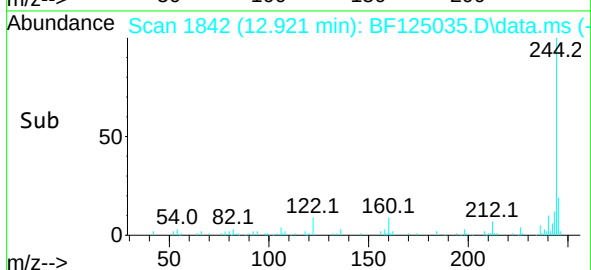
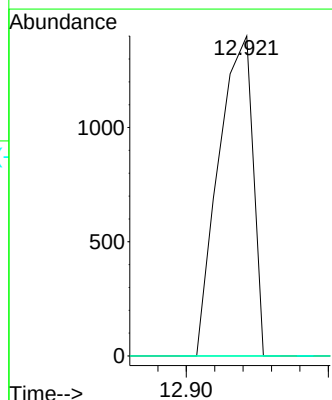
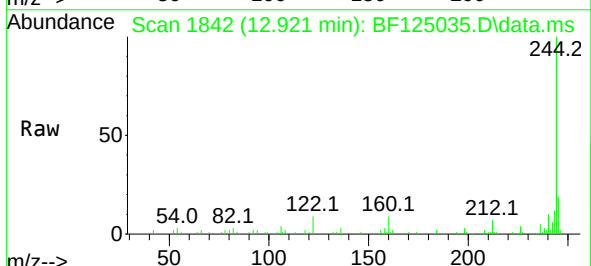
Instrument :
BNA_F
ClientSampleId :
SOIL

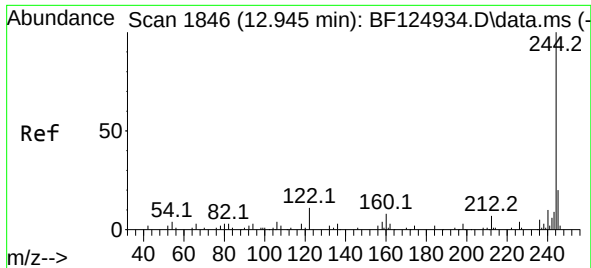
Tgt Ion:240 Resp: 18129
Ion Ratio Lower Upper
240 100
120 10.4 10.8 16.2#
236 26.8 21.6 32.4



#77
Benzidine
Concen: 2.420 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.253 min
Lab File: BF125035.D
Acq: 10 Aug 2021 17:44

Tgt Ion:184 Resp: 1174
Ion Ratio Lower Upper
184 100
185 0.0 10.8 16.2#
183 0.0 8.1 12.1#

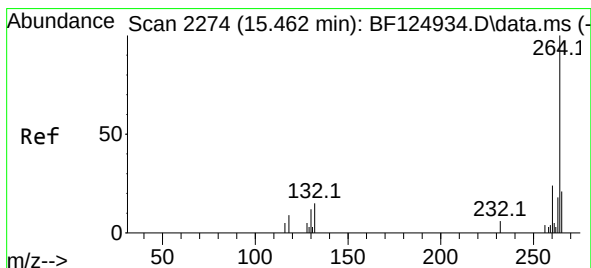
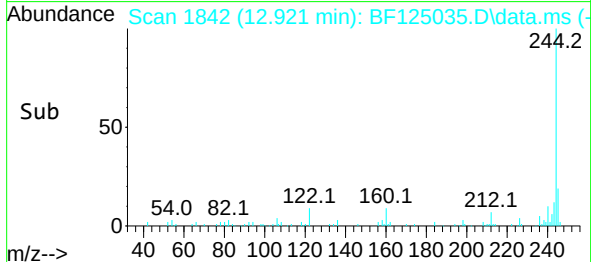
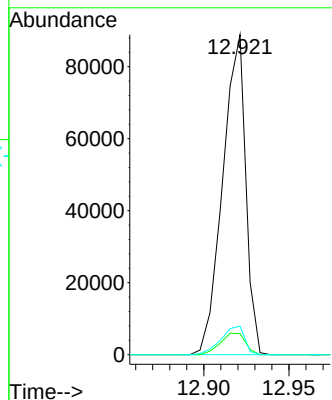
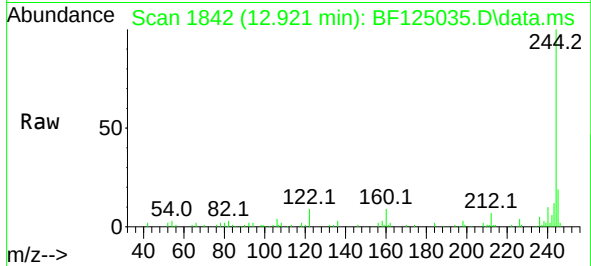




#79
 Terphenyl-d14
 Concen: 77.724 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. 0.006 min
 Lab File: BF125035.D
 Acq: 10 Aug 2021 17:44

Instrument :
 BNA_F
 ClientSampled :
 SOIL

Tgt Ion:244	Resp:	83533
Ion Ratio	Lower	Upper
244	100	
212	6.6	5.9 8.9
122	8.9	9.0 13.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2266
 Delta R.T. -0.000 min
 Lab File: BF125035.D
 Acq: 10 Aug 2021 17:44

Tgt Ion:264	Resp:	14899
Ion Ratio	Lower	Upper
264	100	
260	24.7	19.6 29.4
265	21.6	17.2 25.8

