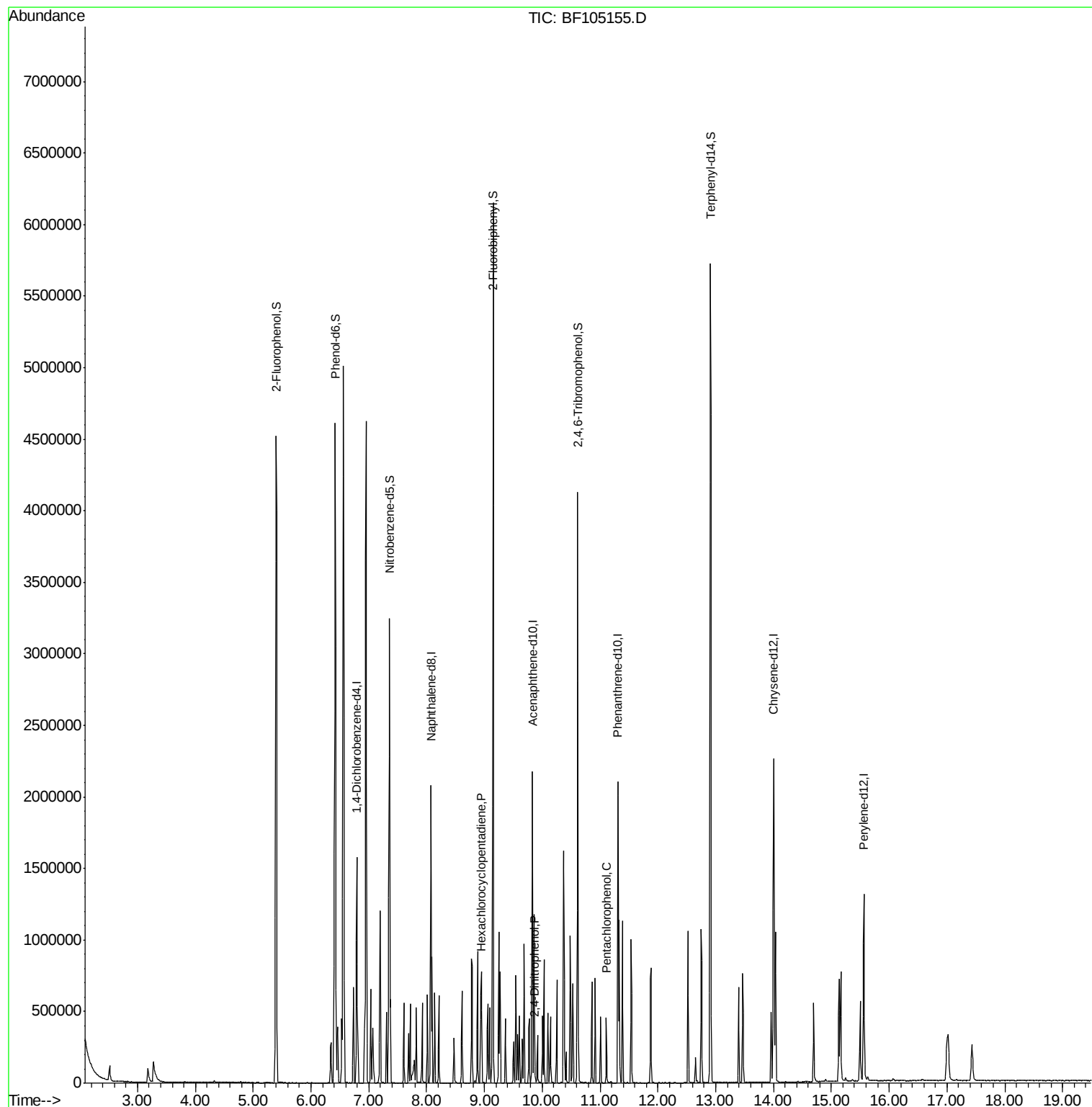
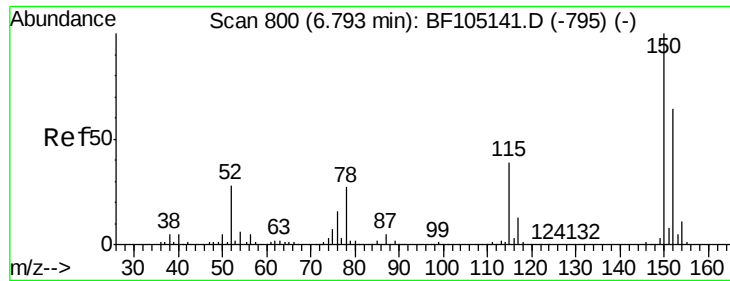


Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
Data File : BF105155.D
Acq On : 8 May 2018 20:19
Operator : JU/SJ
Sample : J2133-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 09 09:02:30 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 08 16:33:54 2018
Response via : Initial Calibration



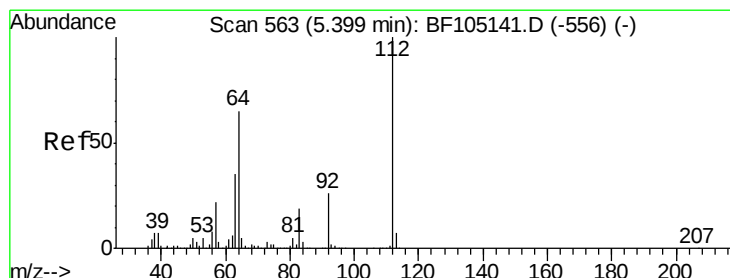
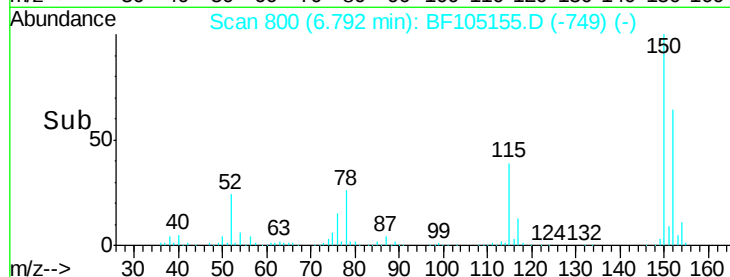
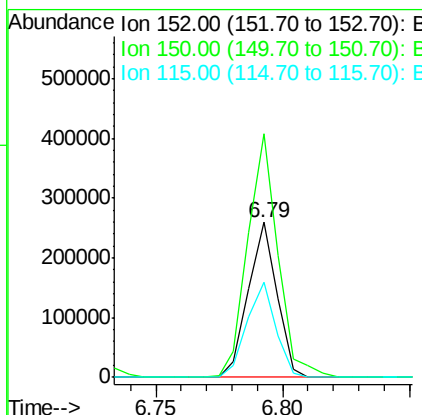
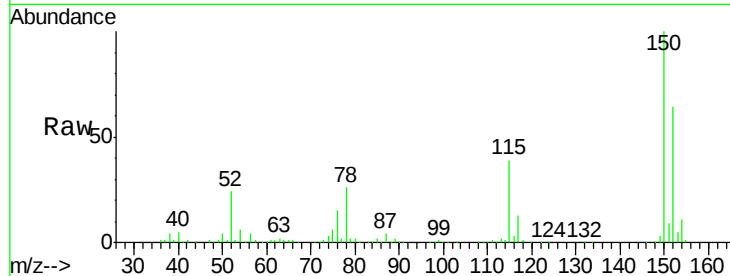


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105155.D
Acq: 8 May 2018 20:19

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

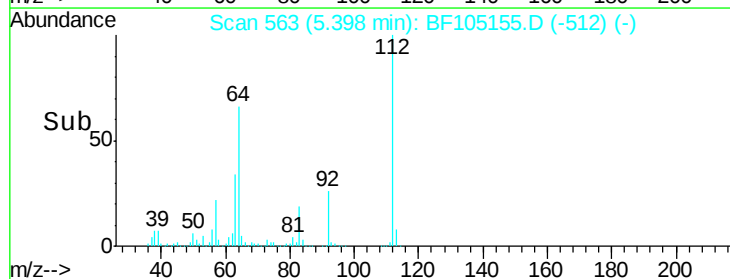
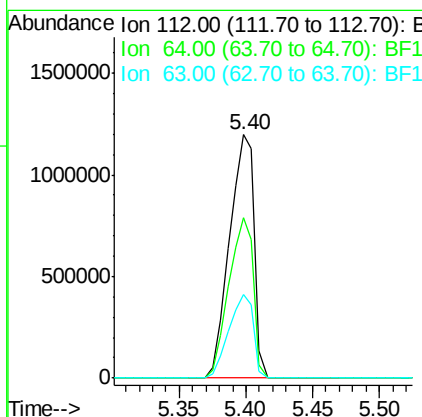
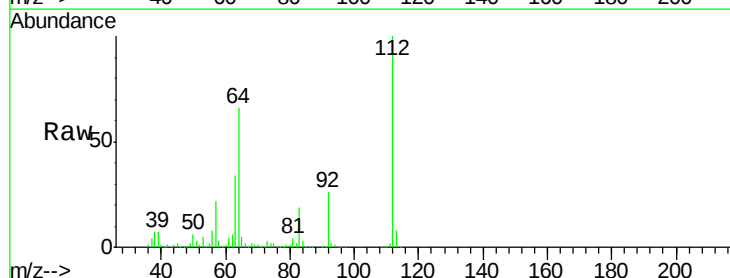
Tot Ion:152 Resp: 204514
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 61.4 50.1 75.1

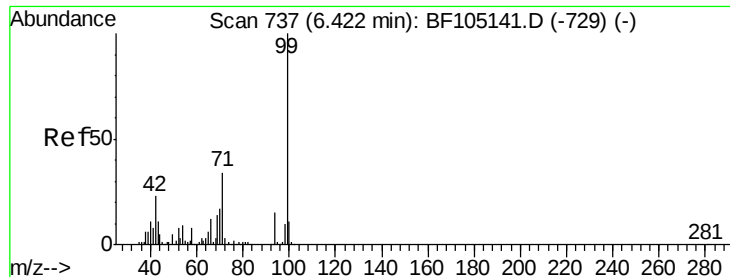


#5

2-Fluorophenol
Concen: 125.129 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.00 min
Lab File: BF105155.D
Acq: 8 May 2018 20:19

Tgt Ion:112 Resp: 1553367
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 34.2 23.7 35.5





#7

Phenol-d6

Concen: 126.827 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105155.D

Acq: 8 May 2018 20:19

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

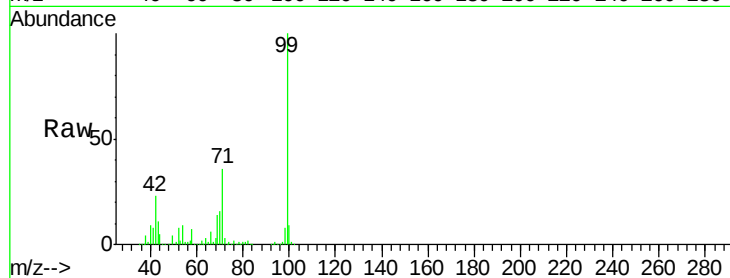
Tot Ion: 99 Resp: 1874695

Ion Ratio Lower Upper

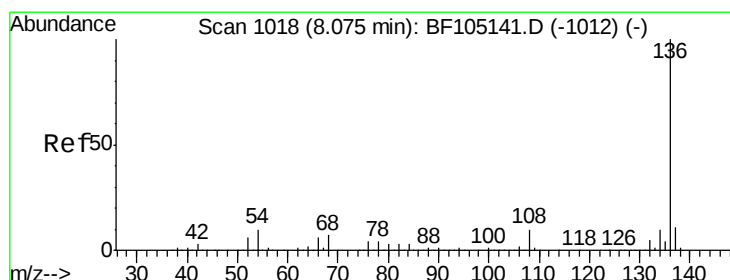
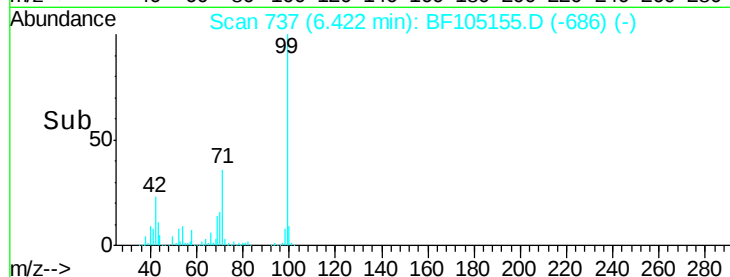
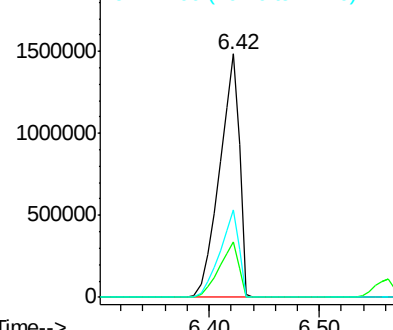
99 100

42 22.5 14.5 21.7#

71 35.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF105155.D

Acq: 8 May 2018 20:19

Tgt Ion: 136 Resp: 830993

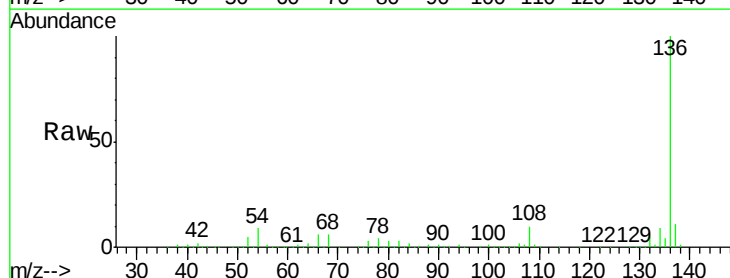
Ion Ratio Lower Upper

136 100

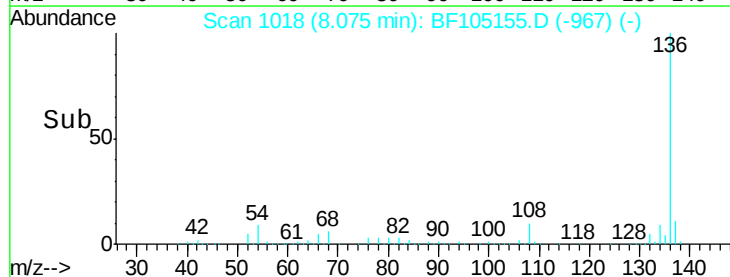
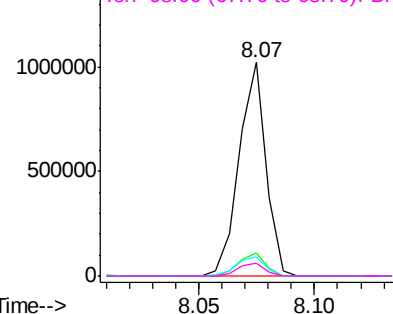
137 10.8 8.9 13.3

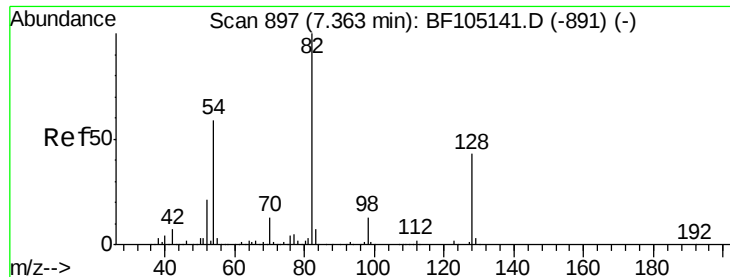
54 9.1 6.6 9.8

68 6.1 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): BF1
Ion 137.00 (136.70 to 137.70): BF1
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 92.956 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF105155.D

Acq: 8 May 2018 20:19

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

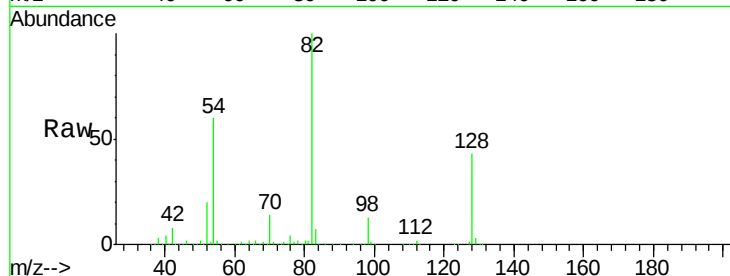
Tot Ion: 82 Resp: 1139757

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

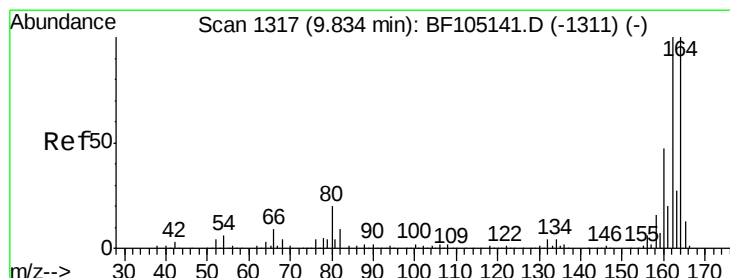
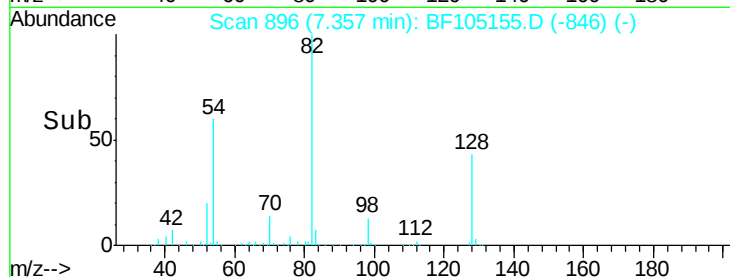
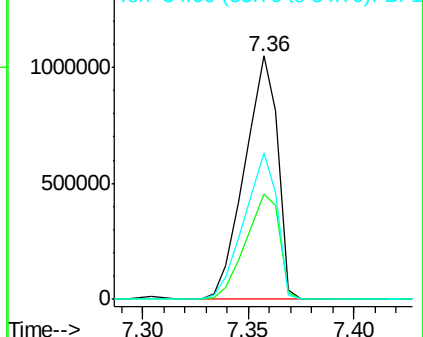
54 59.9 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105155.D

Acq: 8 May 2018 20:19

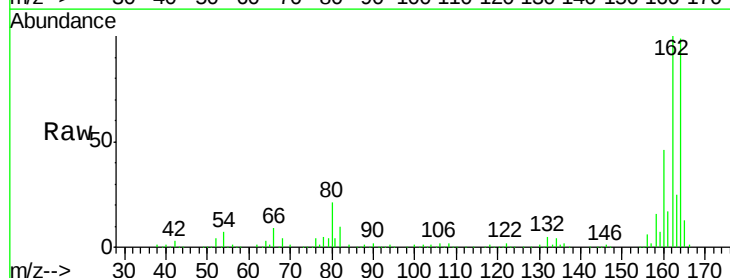
Tgt Ion:164 Resp: 407014

Ion Ratio Lower Upper

164 100

162 100.9 86.1 129.1

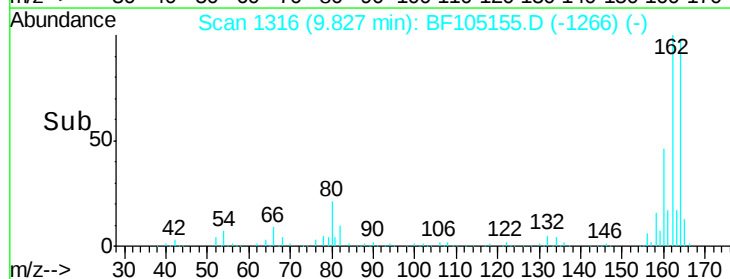
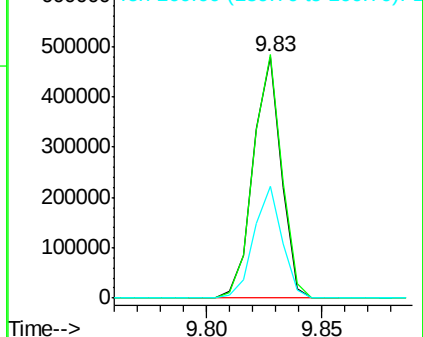
160 46.5 38.3 57.5

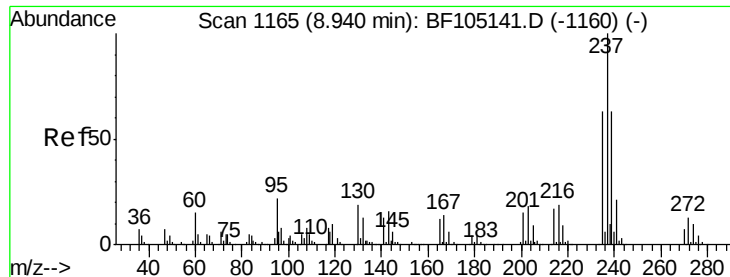


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#40

Hexachlorocyclopentadiene

Concen: 7.501 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF105155.D

Acq: 8 May 2018 20:19

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

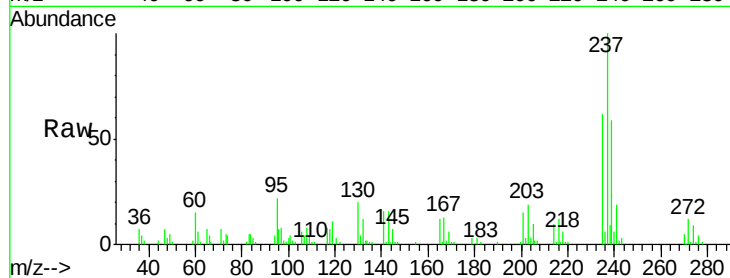
Tot Ion:237 Resp: 52529

Ion Ratio Lower Upper

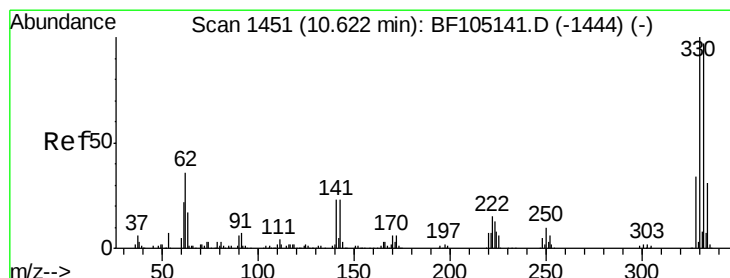
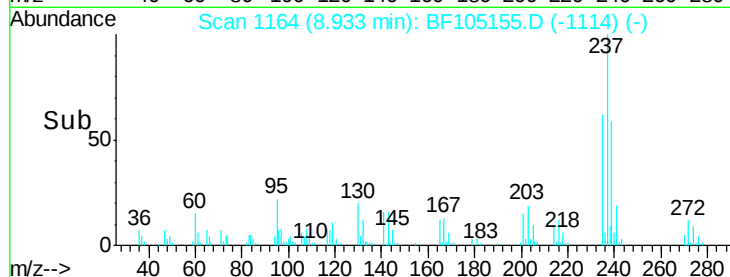
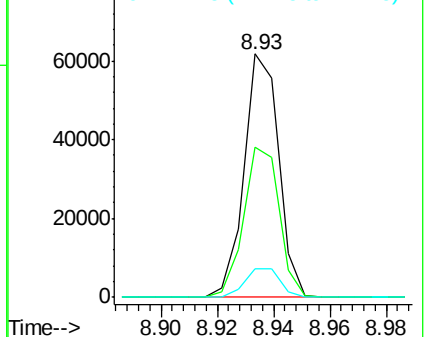
237 100

235 61.8 44.8 84.8

272 11.9 0.0 33.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 132.506 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF105155.D

Acq: 8 May 2018 20:19

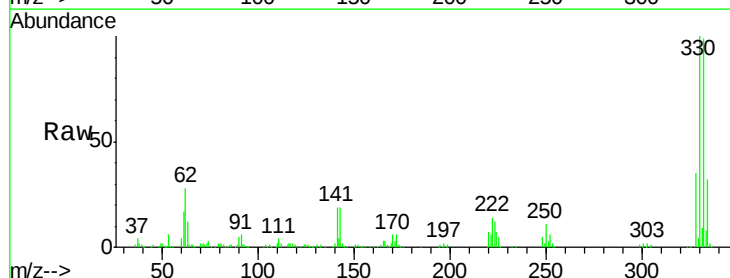
Tgt Ion:330 Resp: 595014

Ion Ratio Lower Upper

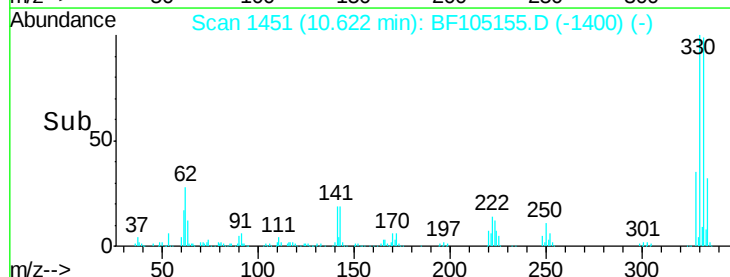
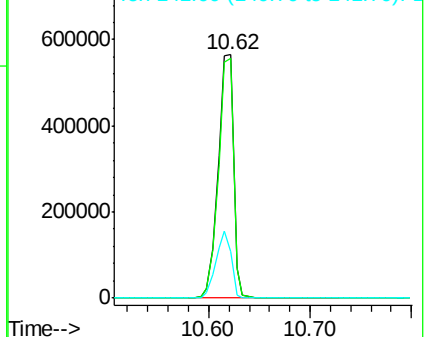
330 100

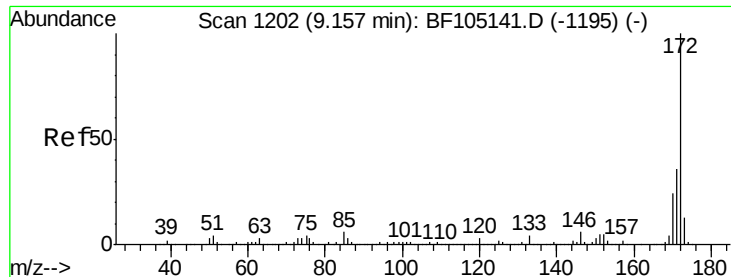
332 97.1 77.0 115.6

141 27.3 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

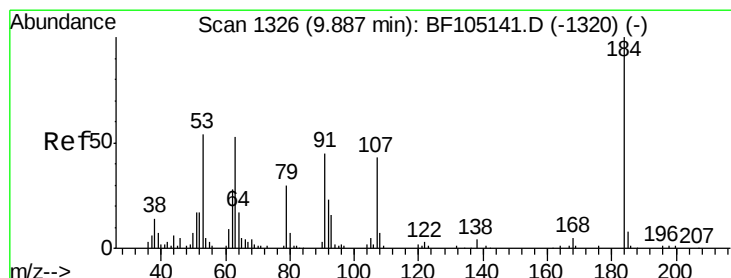
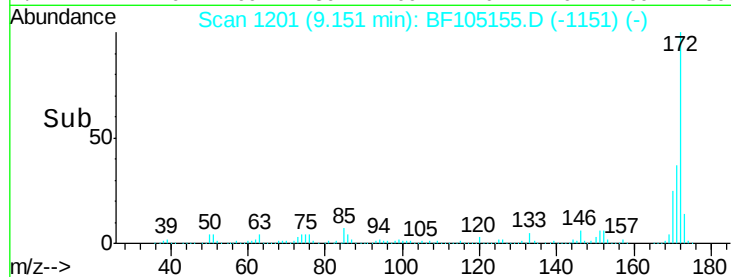
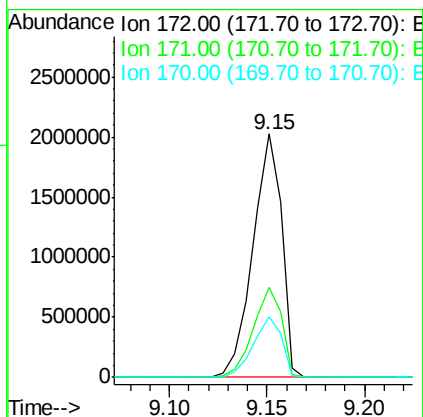
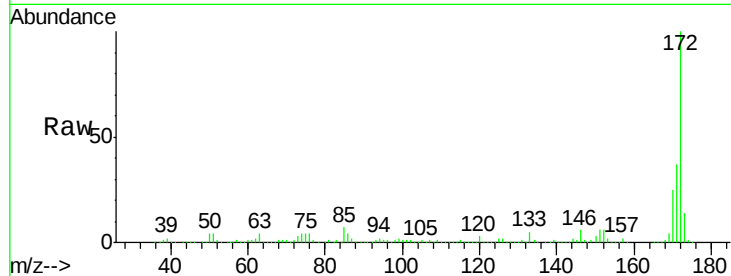




#44
 2-Fluorobiphenyl
 Concen: 78.522 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105155.D
 Acq: 8 May 2018 20:19

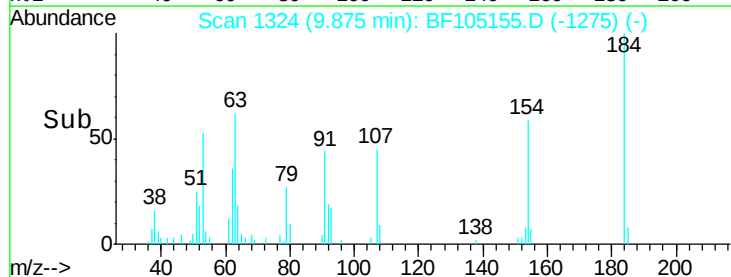
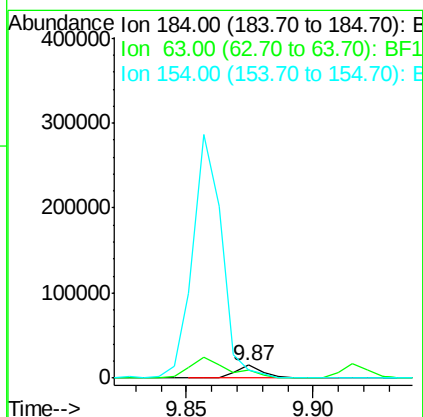
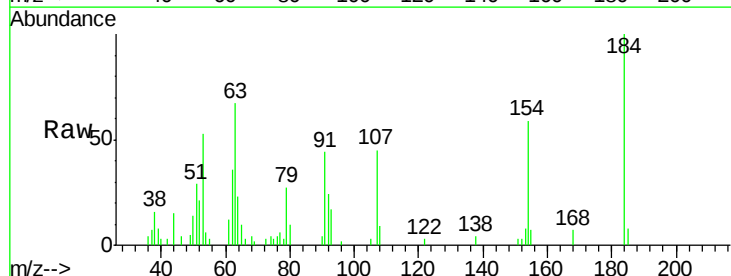
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

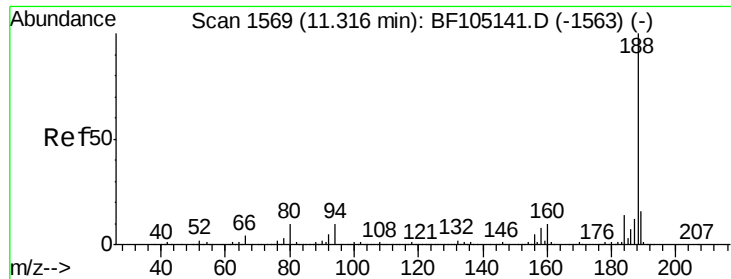
Tot Ion:172 Resp: 2059123
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 24.8 19.6 29.4



#53
 2,4-Dinitrophenol
 Concen: 16.016 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF105155.D
 Acq: 8 May 2018 20:19

Tgt Ion:184 Resp: 11107
 Ion Ratio Lower Upper
 184 100
 63 67.1 54.2 81.2
 154 59.0 184.0 276.0#

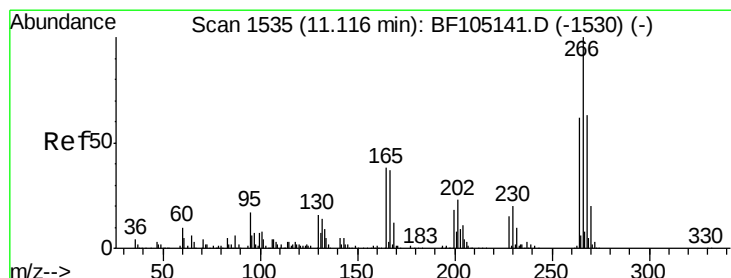
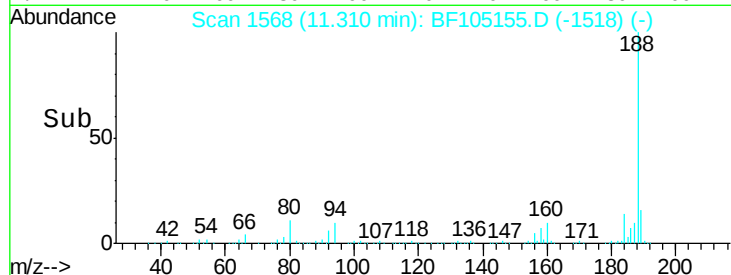
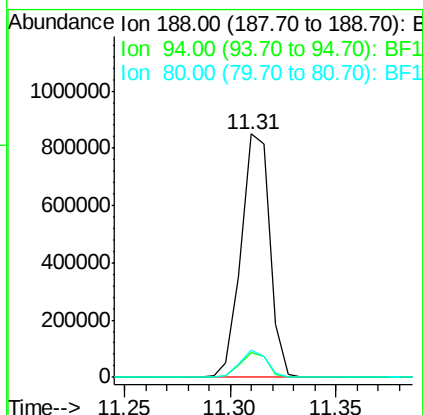
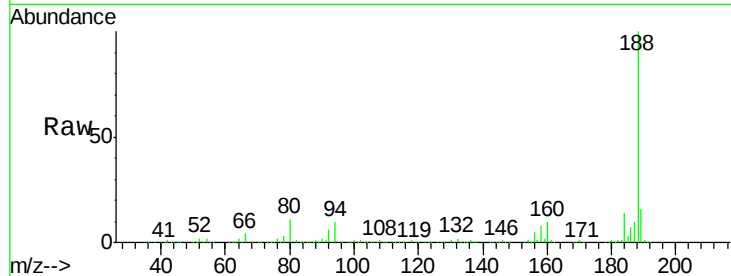




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105155.D
Acq: 8 May 2018 20:19

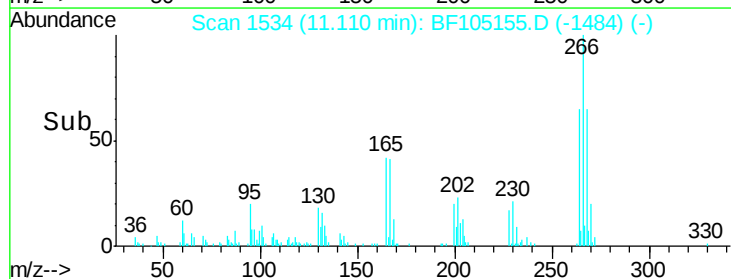
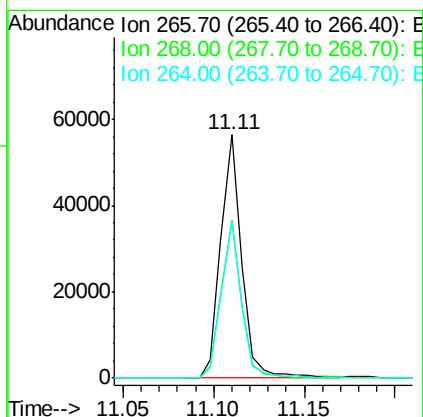
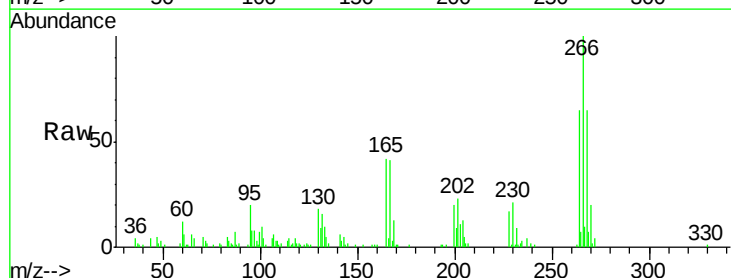
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

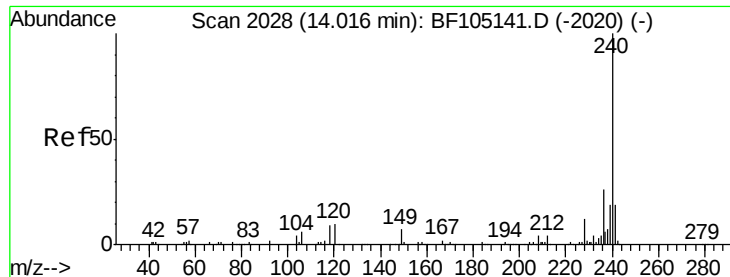
Tot Ion:188 Resp: 800106
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.3 9.2 13.8



#69
Pentachlorophenol
Concen: 10.736 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.01 min
Lab File: BF105155.D
Acq: 8 May 2018 20:19

Tgt Ion:266 Resp: 45423
Ion Ratio Lower Upper
266 100
268 64.7 51.1 76.7
264 64.8 49.5 74.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF105155.D

Acq: 8 May 2018 20:19

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

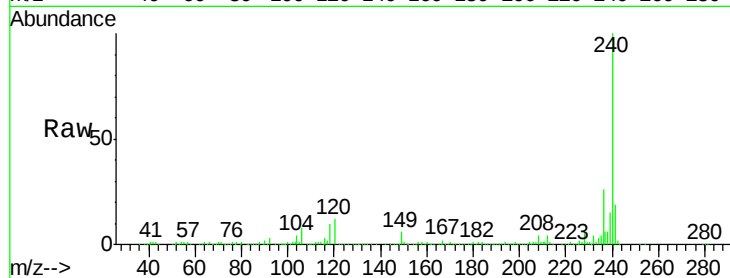
Tot Ion:240 Resp: 686163

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

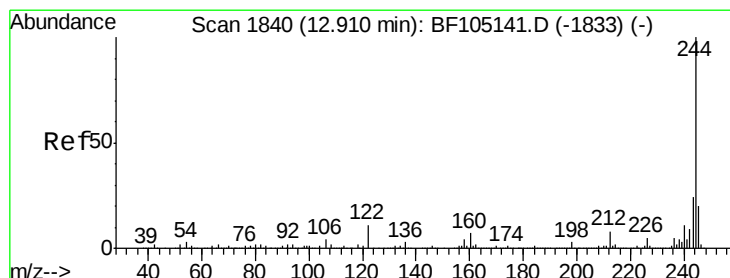
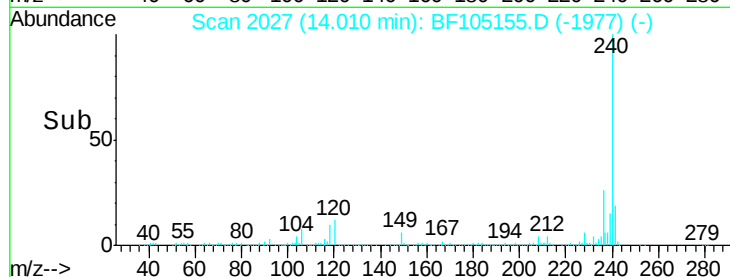
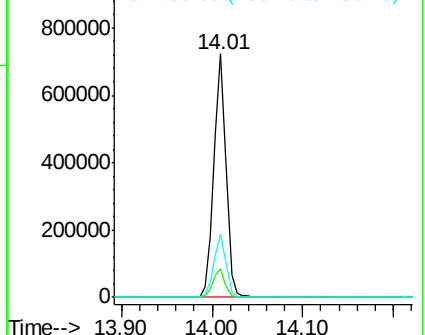
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 79.030 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF105155.D

Acq: 8 May 2018 20:19

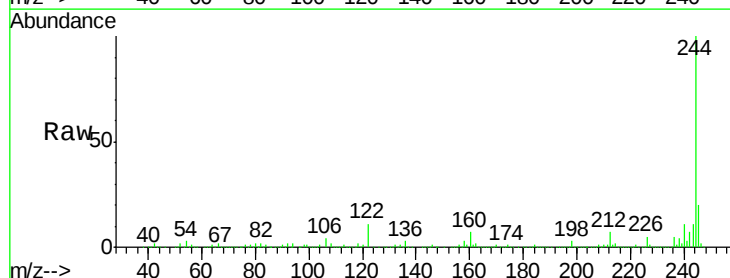
Tgt Ion:244 Resp: 2334520

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

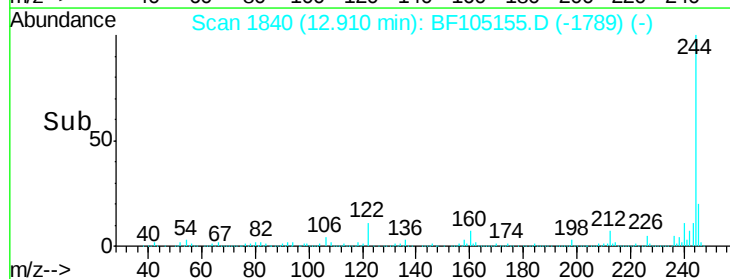
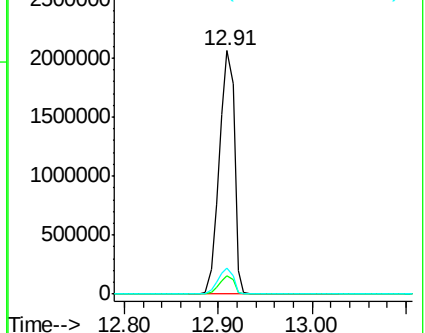
122 10.9 11.0 16.4#

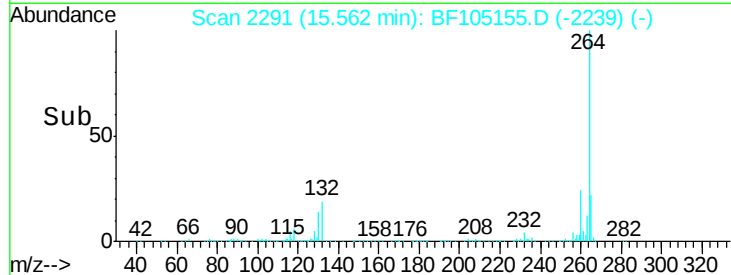
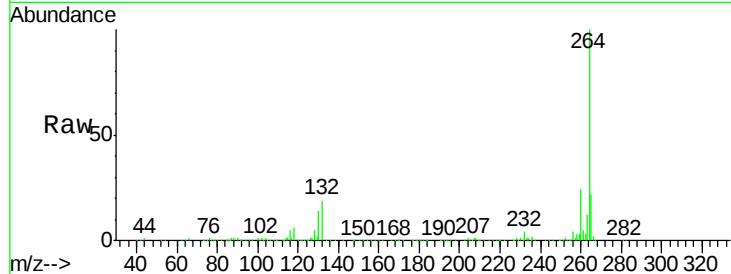
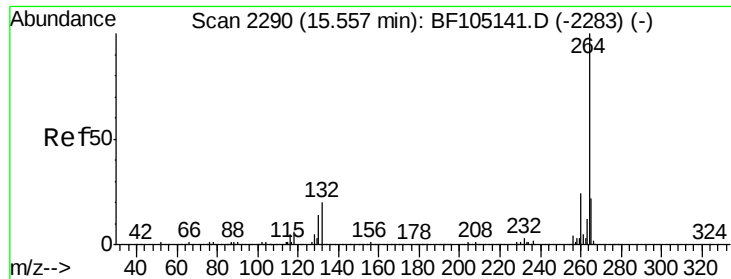


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

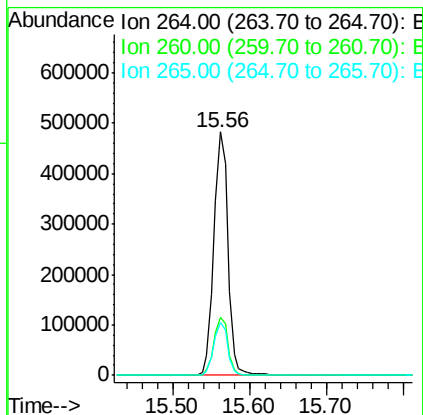




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF105155.D
 Acq: 8 May 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tot Ion:264	Resp:	606577
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.2 28.8
265	21.7	17.5 26.3



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105155.D
 Acq On : 8 May 2018 20:19
 Operator : JU/SJ
 Sample : J2133-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 09 09:02:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	204514	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	830993	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	407014	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	800106	20.00	ng	0.00
75) Chrysene-d12	14.01	240	686163	20.00	ng	0.00
86) Perylene-d12	15.56	264	606577	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1553367	125.13	ng	0.00
7) Phenol-d6	6.42	99	1874695	126.83	ng	0.00
23) Nitrobenzene-d5	7.36	82	1139757	92.96	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	595014	132.51	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2059123	78.52	ng	0.00
78) Terphenyl-d14	12.91	244	2334520	79.03	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	8.93	237	52529	7.501	ng	96
53) 2,4-Dinitrophenol	9.87	184	11107	16.016	ng	# 20
69) Pentachlorophenol	11.11	266	45423	10.736	ng	98

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