

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101978.D
 Acq On : 10 Jan 2018 14:02
 Operator : SJ/JU
 Sample : J1042-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Jan 11 01:50:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	183916	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	777660	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	351019	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	598143	20.00	ng	0.00
75) Chrysene-d12	13.88	240	437982	20.00	ng	0.00
86) Perylene-d12	15.30	264	327579	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1478353	113.51	ng	0.02
7) Phenol-d6	6.37	99	1893471	121.85	ng	0.02
23) Nitrobenzene-d5	7.29	82	1175441	88.82	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	429830	140.32	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1978493	88.06	ng	0.00
78) Terphenyl-d14	12.84	244	1944038	92.16	ng	0.00

Target Compounds

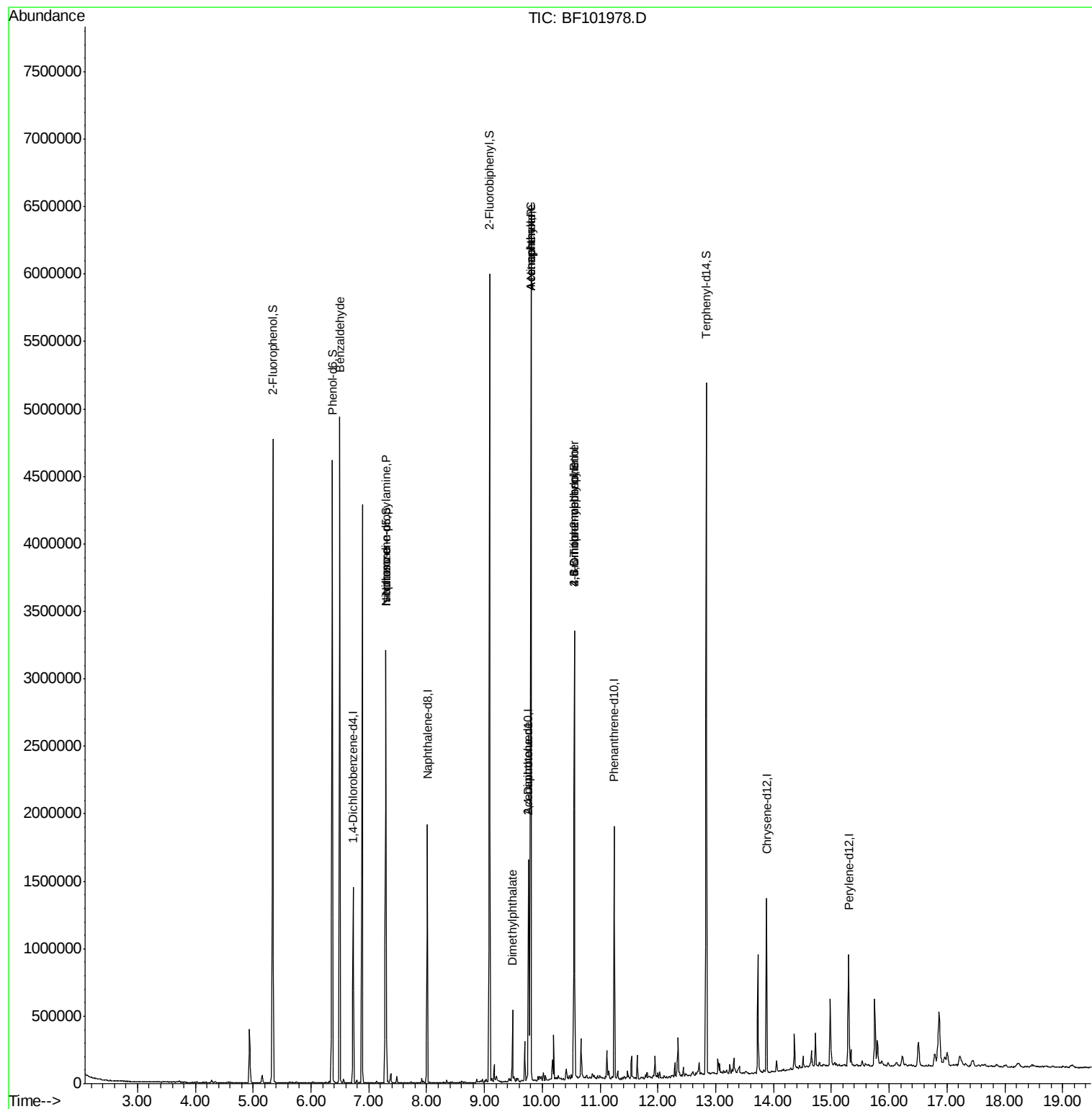
						Qvalue
9) Benzaldehyde	6.50	77	32299	2.993	ng	83
19) n-Nitroso-di-n-propylamine	7.29	70	157687	15.484	ng	# 82
25) Isophorone	7.29	82	1173483	44.878	ng	# 64
48) Acenaphthylene	9.80	152	861965	22.575	ng	# 1
49) Dimethylphthalate	9.49	163	173412	6.158	ng	98
51) Acenaphthene	9.80	154	1580066	68.180	ng	99
55) 4-Nitrophenol	9.80	139	12691	2.399	ng	# 53
56) 2,4-Dinitrotoluene	9.76	165	44959	6.377	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.56	198	1085	5.957	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	27830	4.406	ng	# 1

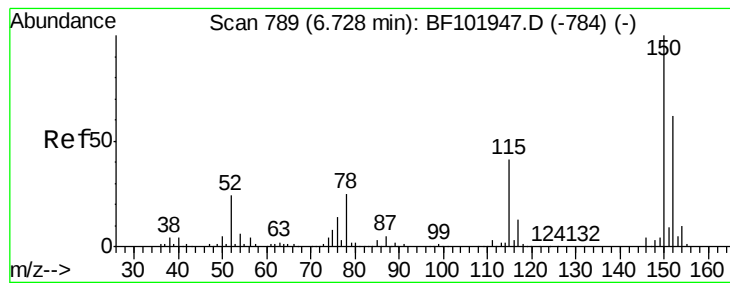
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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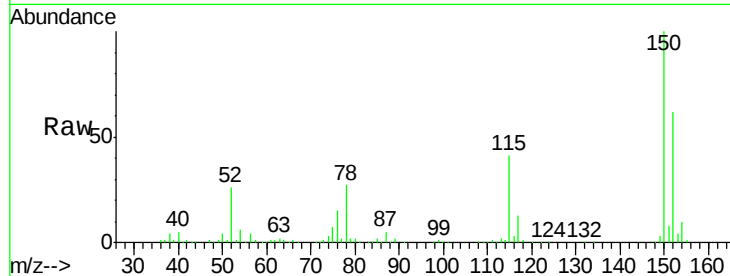


#1

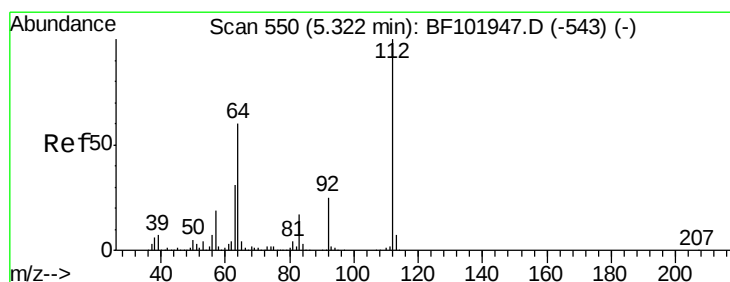
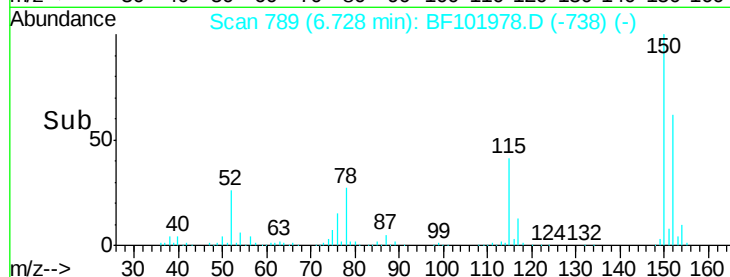
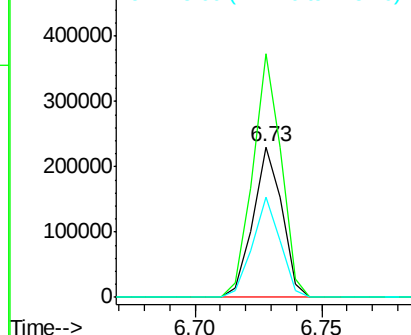
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF101978.D
Acq: 10 Jan 2018 14:02

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion:152 Resp: 183916
Ion Ratio Lower Upper
152 100
150 162.1 124.6 186.8
115 67.2 50.1 75.1



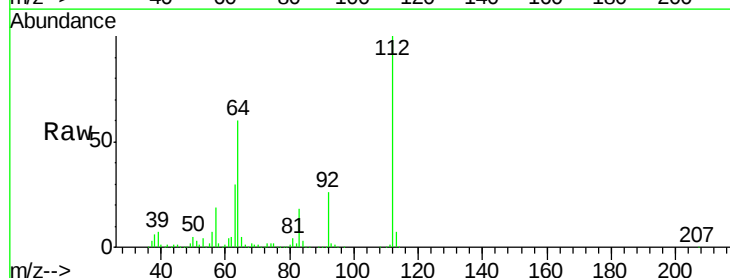
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



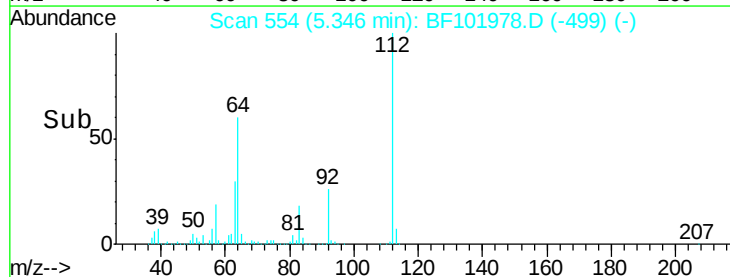
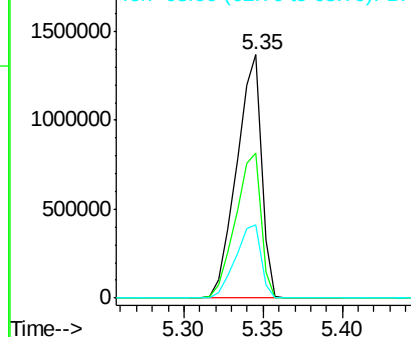
#5

2-Fluorophenol
Concen: 113.506 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.02 min
Lab File: BF101978.D
Acq: 10 Jan 2018 14:02

Tgt Ion:112 Resp: 1478353
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 30.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 121.849 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.02 min

Lab File: BF101978.D

Acq: 10 Jan 2018 14:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

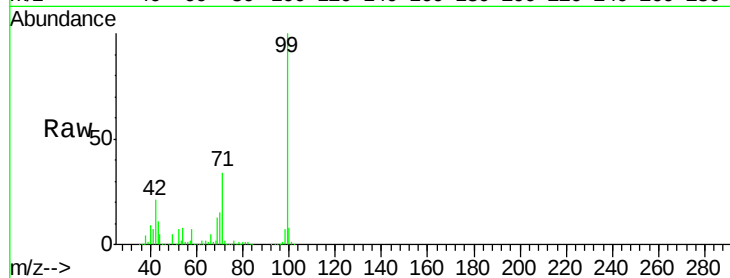
Tot Ion: 99 Resp: 1893471

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

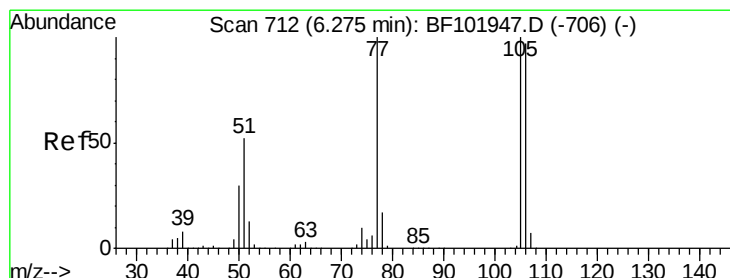
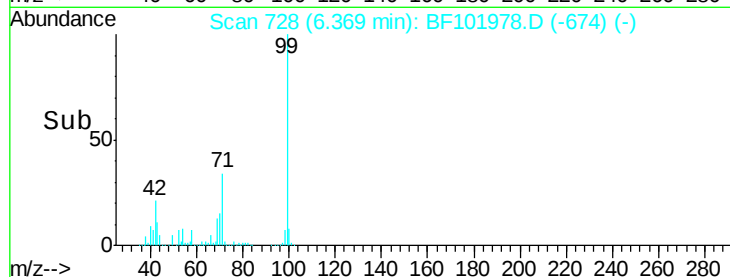
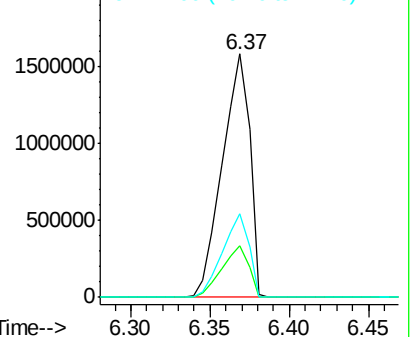
71 34.2 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.993 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF101978.D

Acq: 10 Jan 2018 14:02

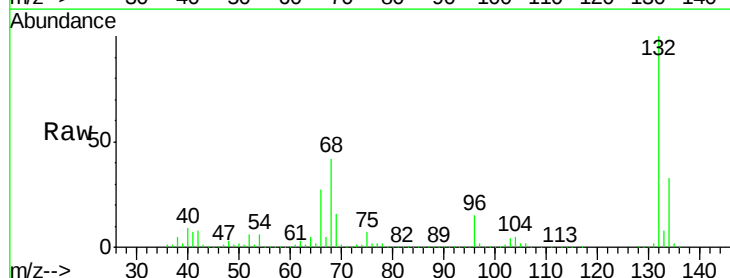
Tgt Ion: 77 Resp: 32299

Ion Ratio Lower Upper

77 100

105 82.8 81.1 121.1

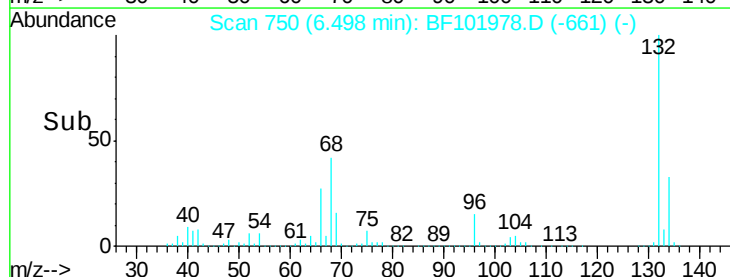
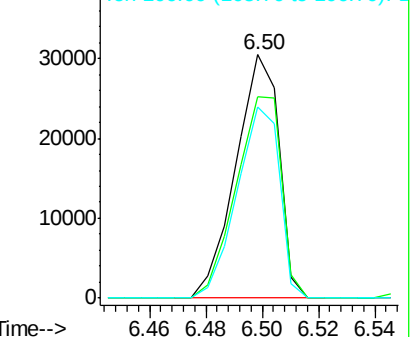
106 78.6 74.5 114.5

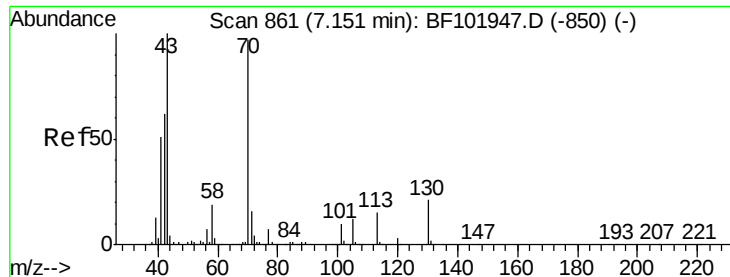


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

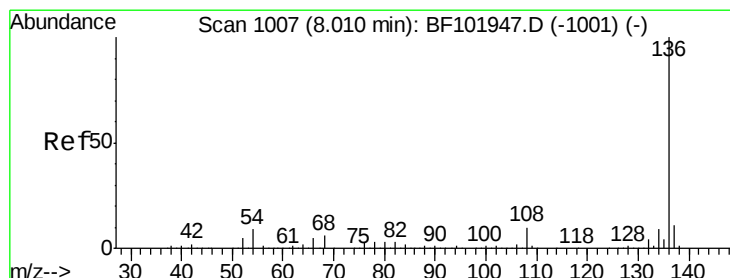
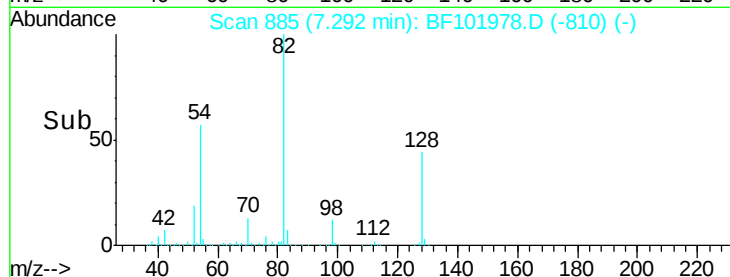
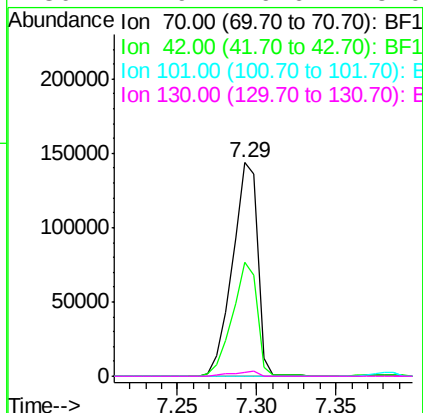
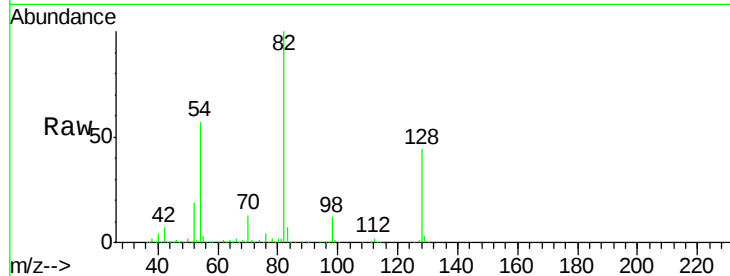




#19
n-Nitroso-di-n-propylamine
Concen: 15.484 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF101978.D
Acq: 10 Jan 2018 14:02

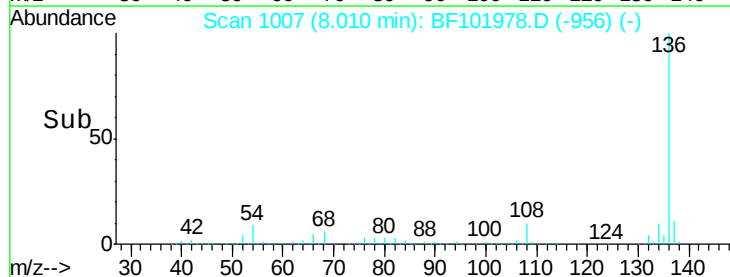
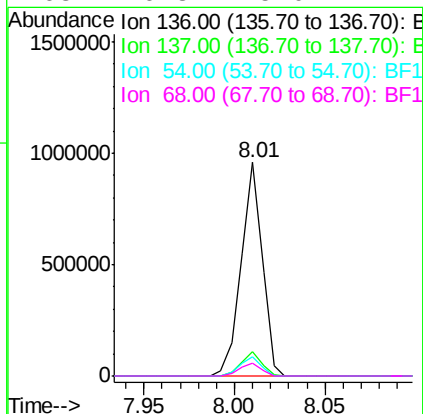
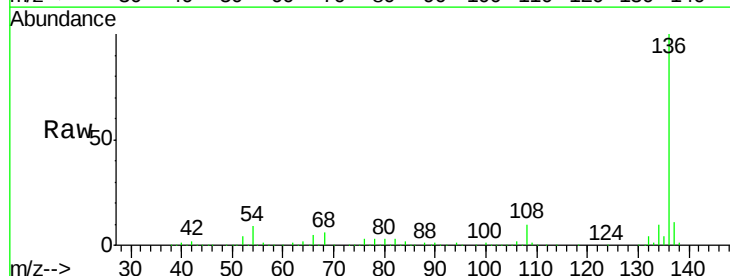
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

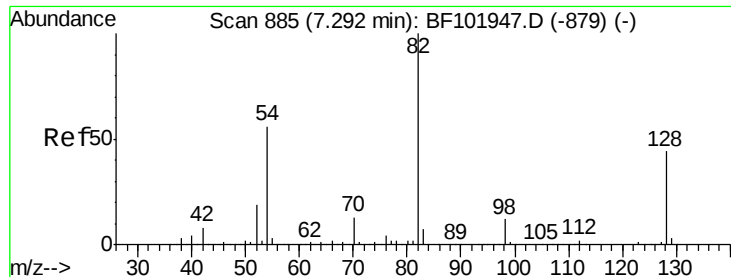
Tot Ion: 70 Resp: 157687
Ion Ratio Lower Upper
70 100
42 53.2 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF101978.D
Acq: 10 Jan 2018 14:02

Tgt Ion: 136 Resp: 777660
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 8.9 6.6 9.8
68 6.3 5.0 7.4

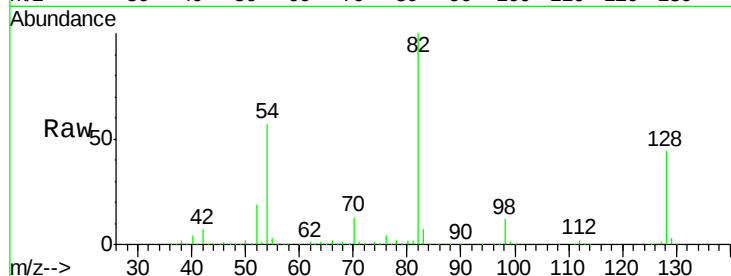




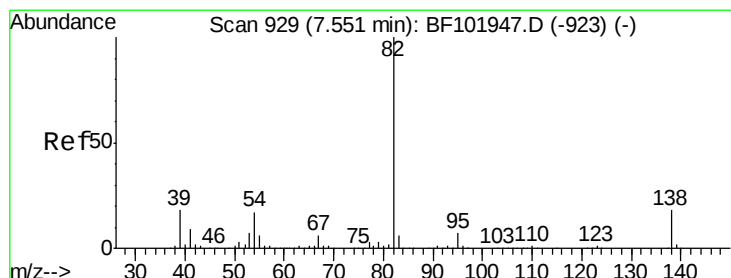
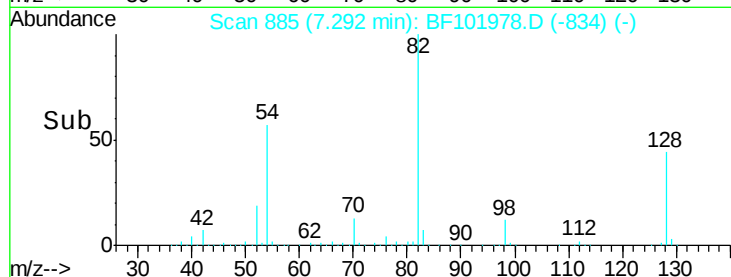
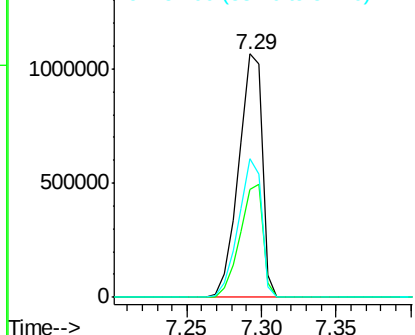
#23
Nitrobenzene-d5
Concen: 88.823 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF101978.D
Acq: 10 Jan 2018 14:02

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion: 82 Resp: 1175441
Ion Ratio Lower Upper
82 100
128 44.4 36.1 54.1
54 57.2 41.4 62.2

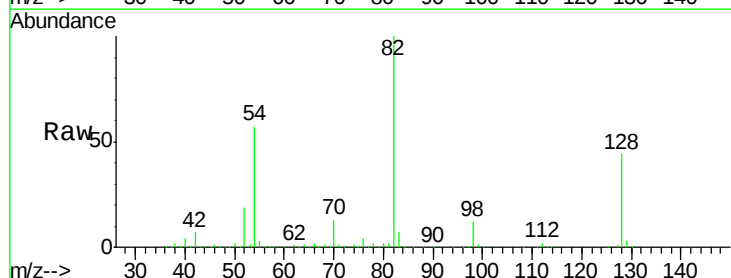


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

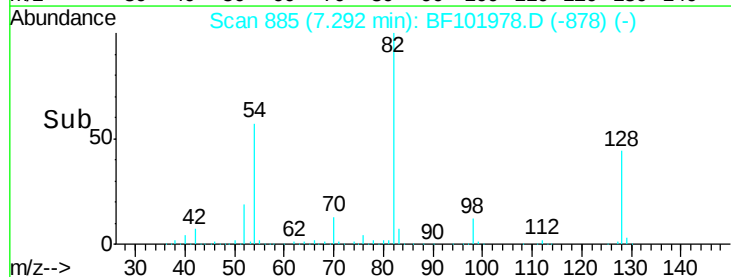
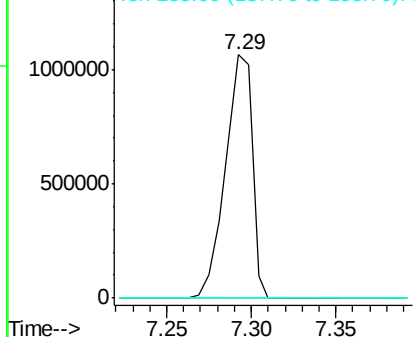


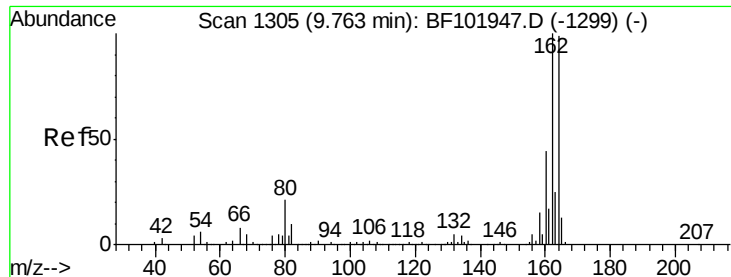
#25
Isophorone
Concen: 44.878 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.26 min
Lab File: BF101978.D
Acq: 10 Jan 2018 14:02

Tgt Ion: 82 Resp: 1173483
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

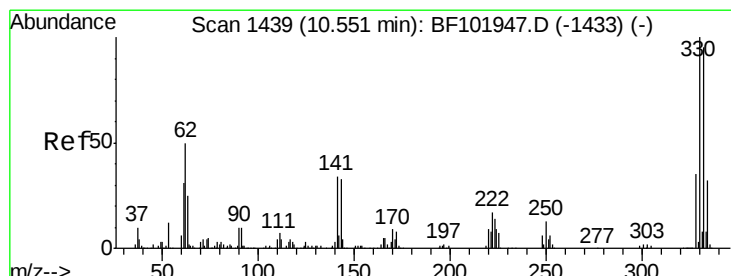
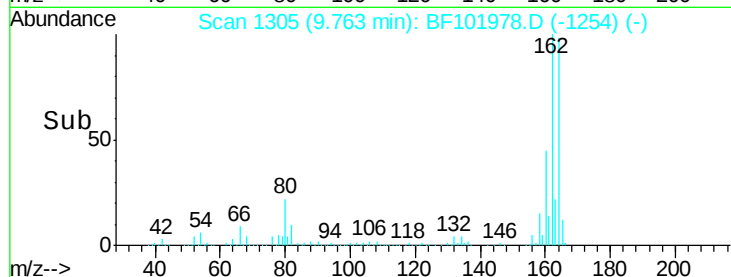
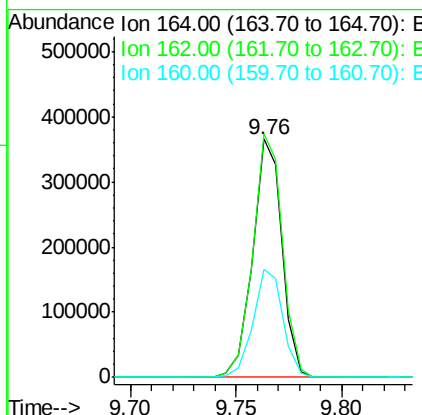
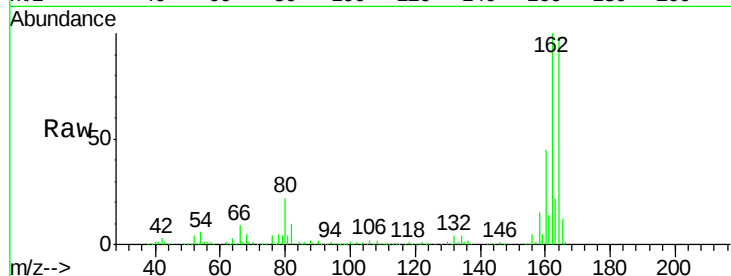




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF101978.D
 Acq: 10 Jan 2018 14:02

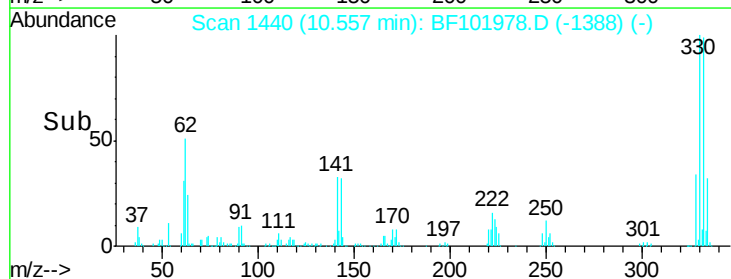
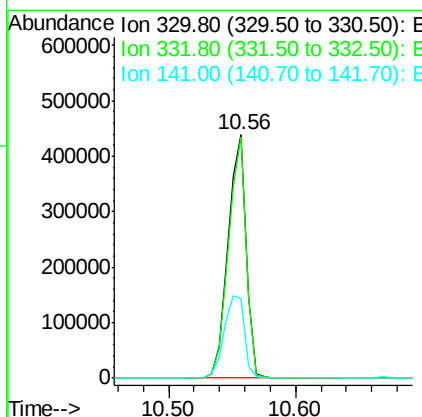
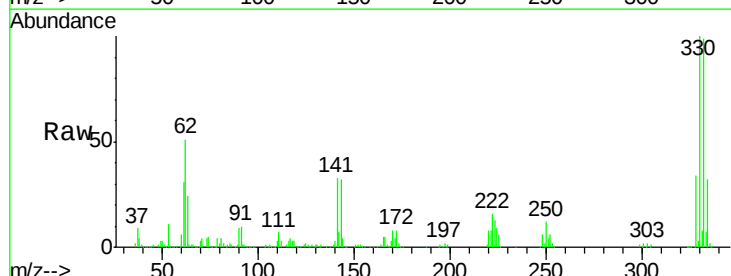
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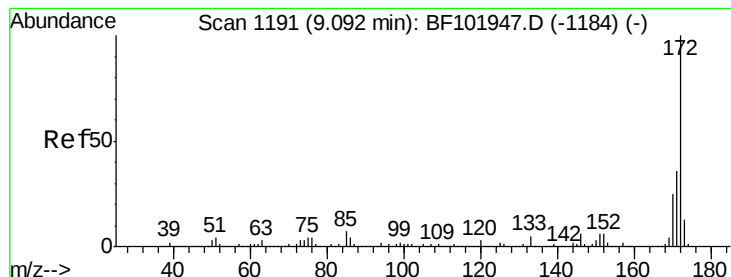
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	45.6	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 140.316 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF101978.D
 Acq: 10 Jan 2018 14:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	38.5	29.9	44.9

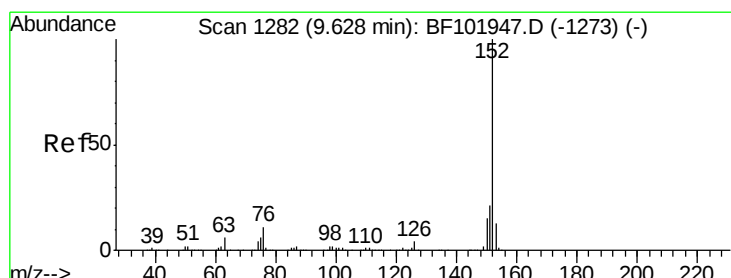
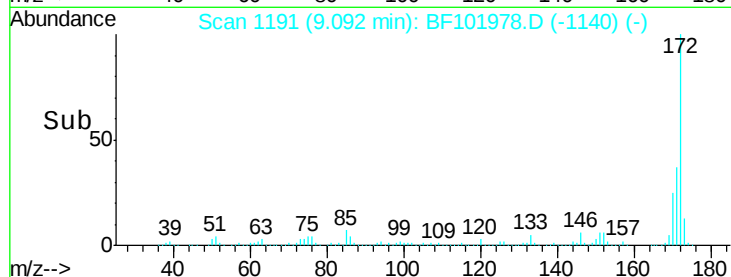
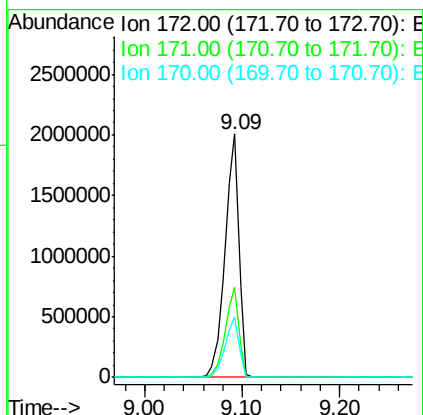
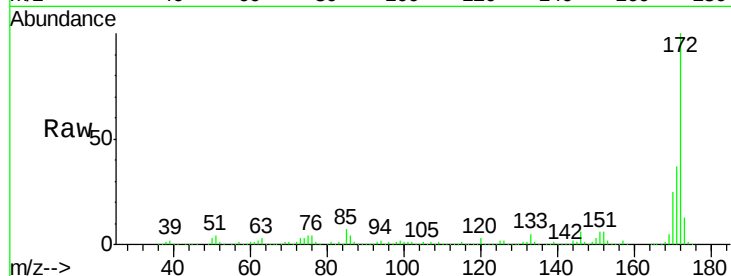




#44
2-Fluorobiphenyl
Concen: 88.056 ng
RT: 9.09 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BF101978.D
Acq: 10 Jan 2018 14:02

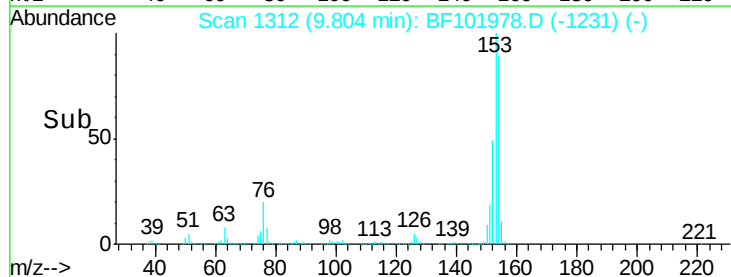
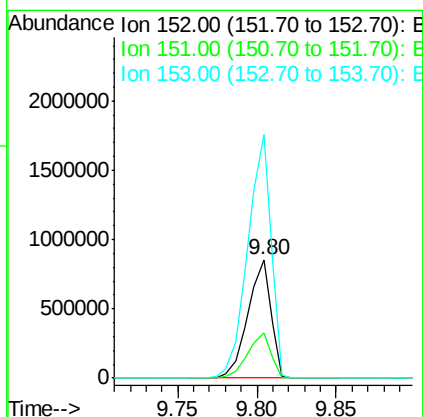
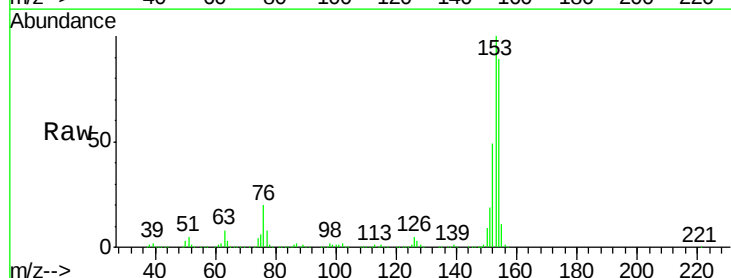
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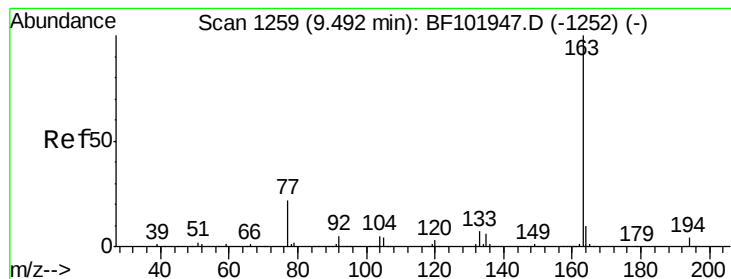
Tot Ion:172 Resp: 1978493
Ion Ratio Lower Upper
172 100
171 37.2 29.7 44.5
170 24.7 19.6 29.4



#48
Acenaphthylene
Concen: 22.575 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.18 min
Lab File: BF101978.D
Acq: 10 Jan 2018 14:02

Tgt Ion:152 Resp: 861965
Ion Ratio Lower Upper
152 100
151 38.2 16.3 24.5#
153 205.1 10.7 16.1#





#49

Dimethylphthalate

Concen: 6.158 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF101978.D

Acq: 10 Jan 2018 14:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

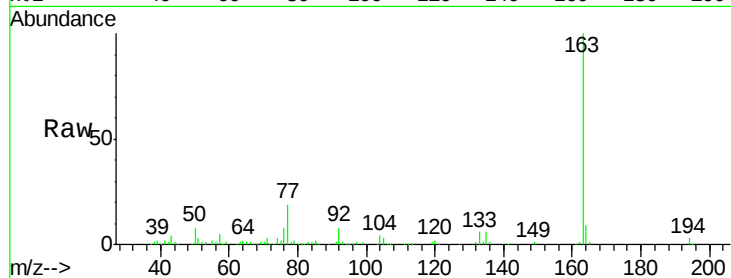
Tot Ion:163 Resp: 173412

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

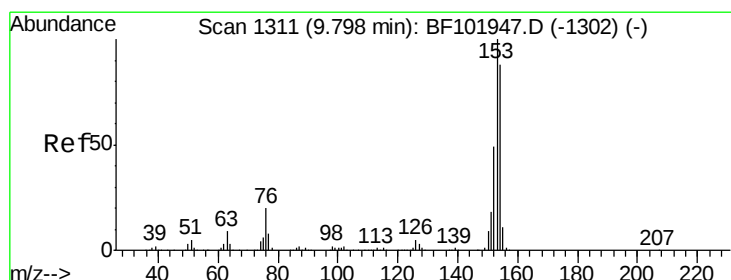
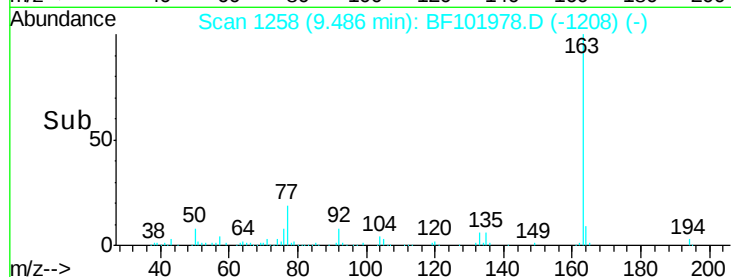
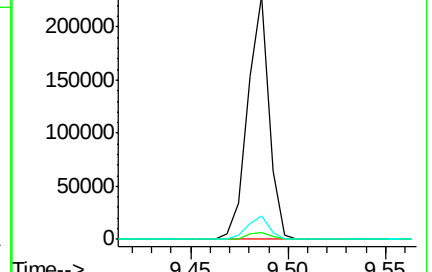
164 9.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 68.180 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF101978.D

Acq: 10 Jan 2018 14:02

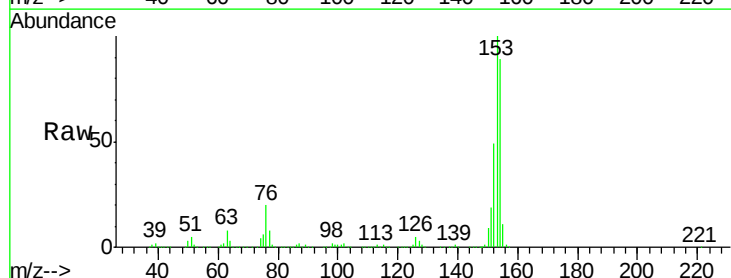
Tgt Ion:154 Resp: 1580066

Ion Ratio Lower Upper

154 100

153 112.4 91.2 136.8

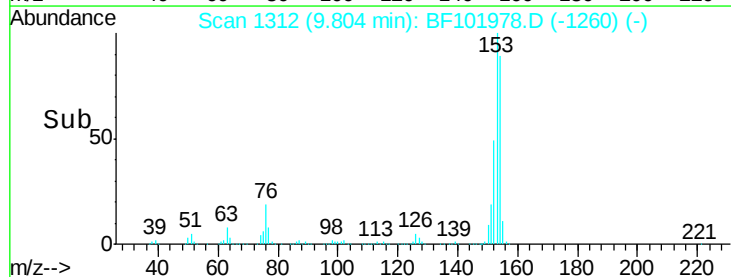
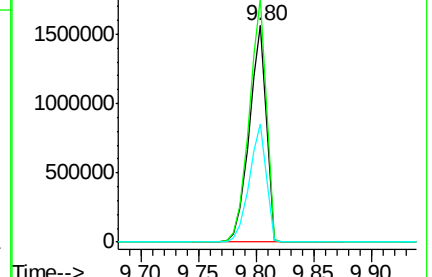
152 54.8 43.8 65.8

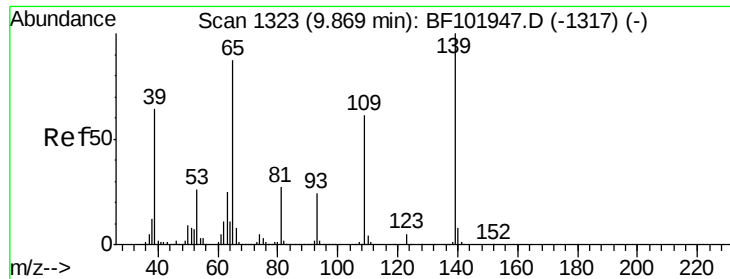


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 2.399 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.06 min

Lab File: BF101978.D

Acq: 10 Jan 2018 14:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

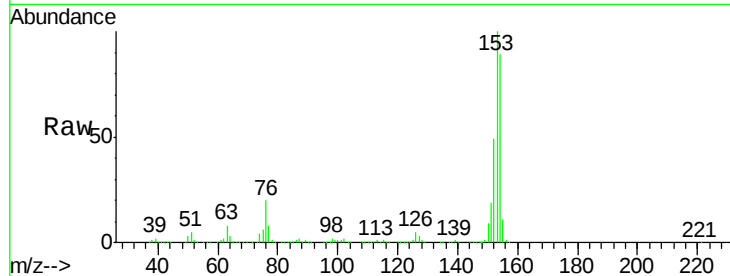
Tot Ion:139 Resp: 12691

Ion Ratio Lower Upper

139 100

109 26.2 48.4 88.4#

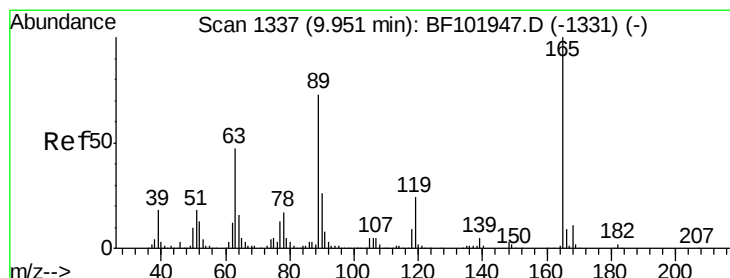
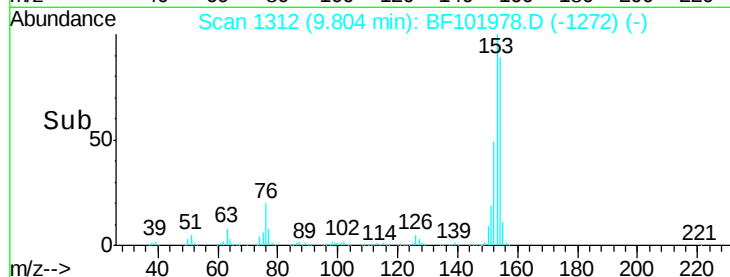
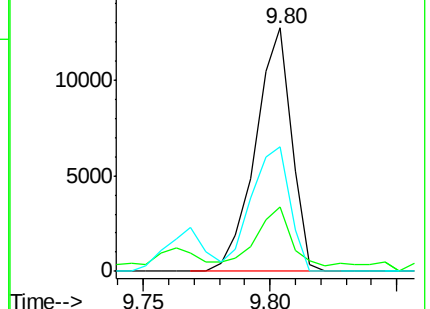
65 51.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.377 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.19 min

Lab File: BF101978.D

Acq: 10 Jan 2018 14:02

Tgt Ion:165 Resp: 44959

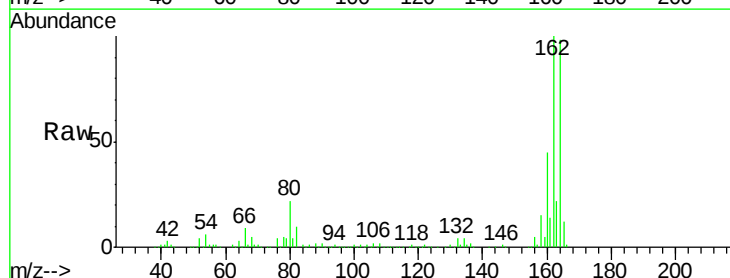
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

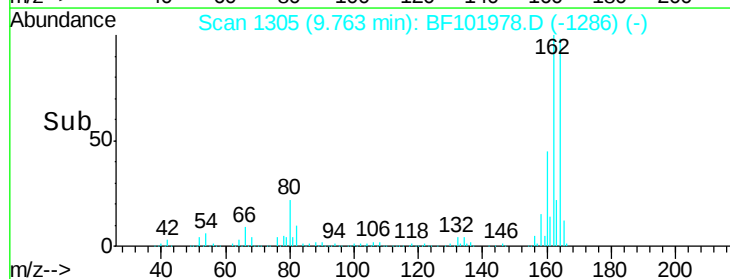
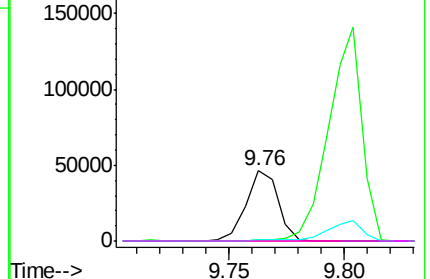


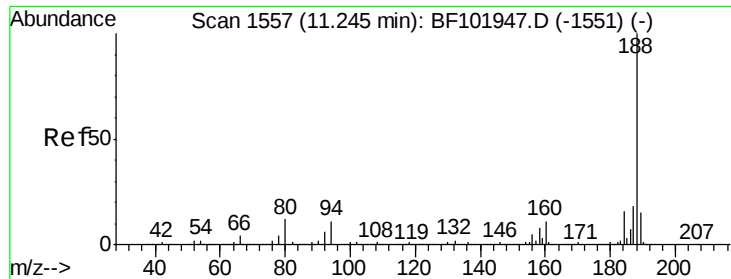
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF101978.D

Acq: 10 Jan 2018 14:02

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

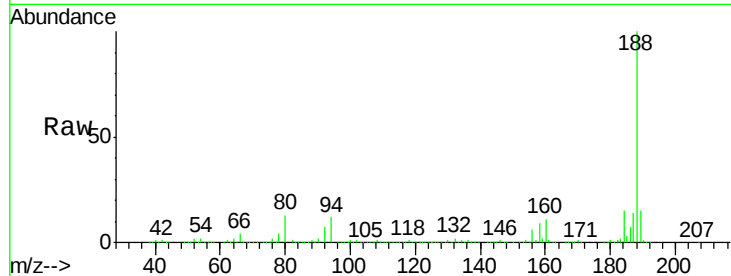
Tot Ion:188 Resp: 598143

Ion Ratio Lower Upper

188 100

94 11.6 8.5 12.7

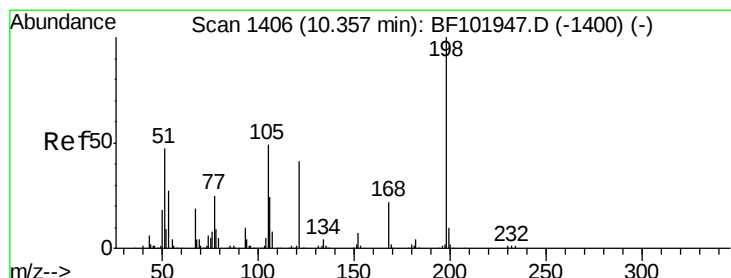
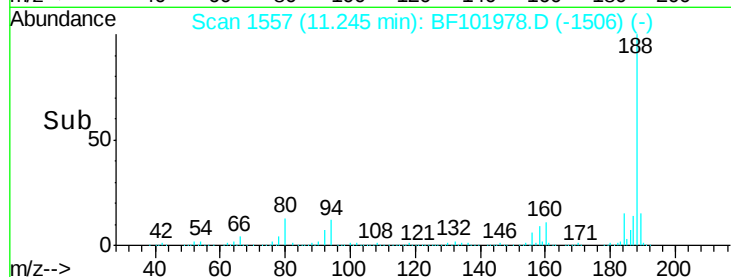
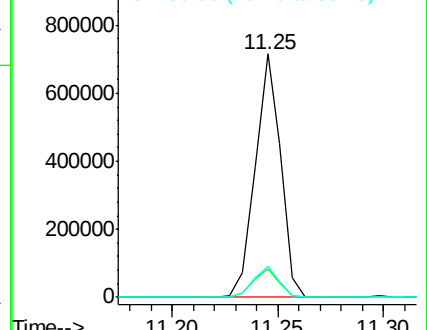
80 12.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.957 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.20 min

Lab File: BF101978.D

Acq: 10 Jan 2018 14:02

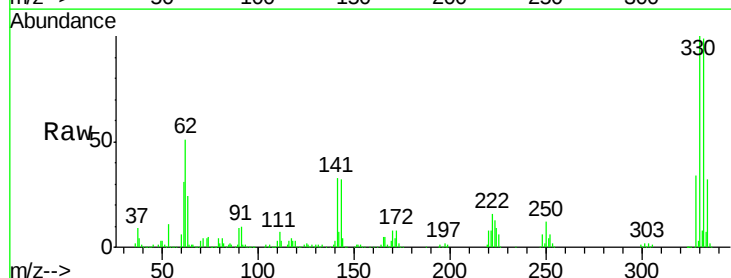
Tgt Ion:198 Resp: 1085

Ion Ratio Lower Upper

198 100

51 224.3 37.7 77.7#

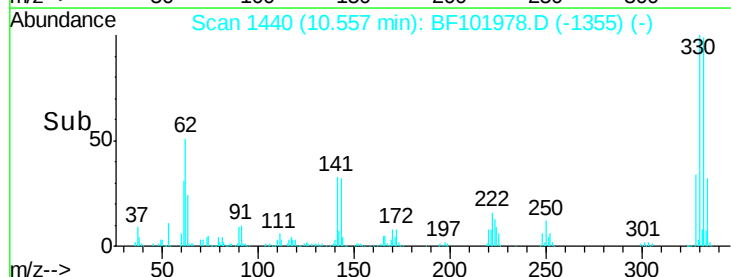
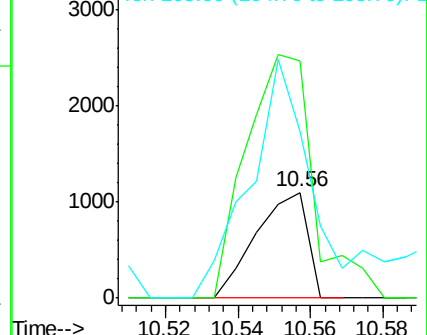
105 157.6 36.3 76.3#

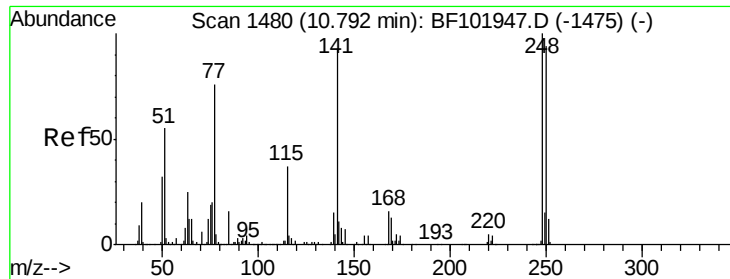


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

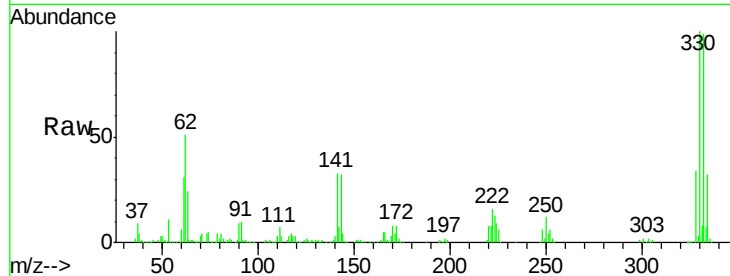




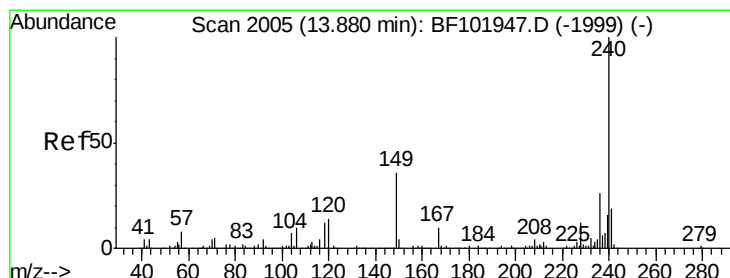
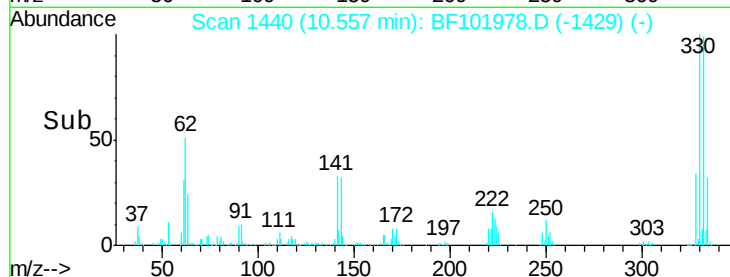
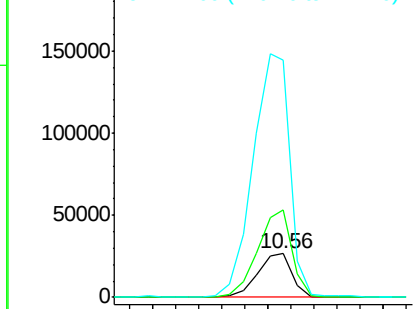
#66
 4-Bromophenyl-phenylether
 Concen: 4.406 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF101978.D
 Acq: 10 Jan 2018 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:248 Resp: 27830
 Ion Ratio Lower Upper
 248 100
 250 201.2 76.9 115.3#
 141 546.8 74.4 111.6#

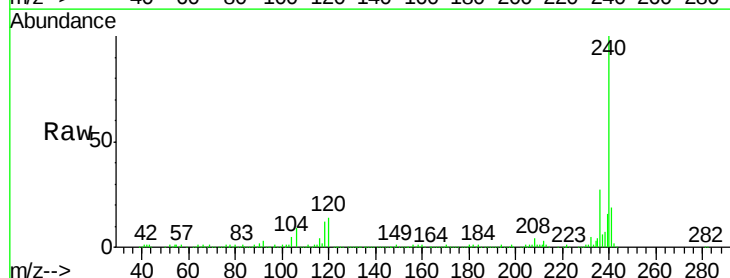


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

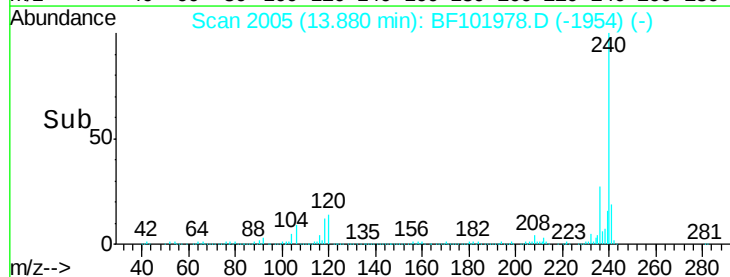
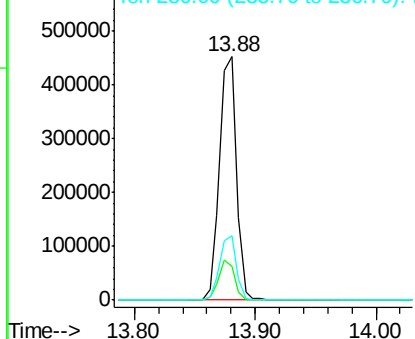


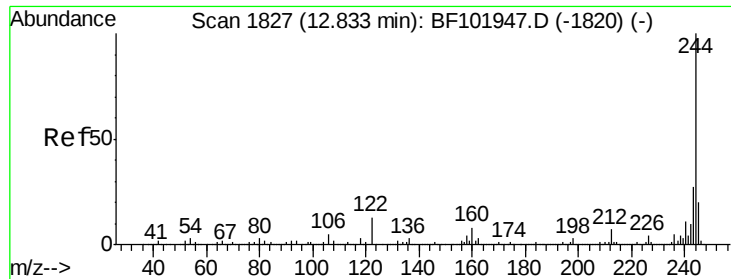
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. 0.00 min
 Lab File: BF101978.D
 Acq: 10 Jan 2018 14:02

Tgt Ion:240 Resp: 437982
 Ion Ratio Lower Upper
 240 100
 120 14.1 9.5 14.3
 236 26.7 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

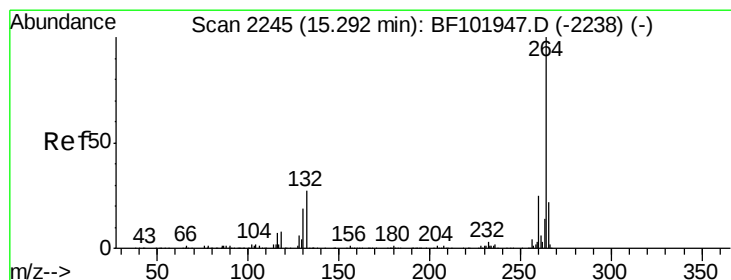
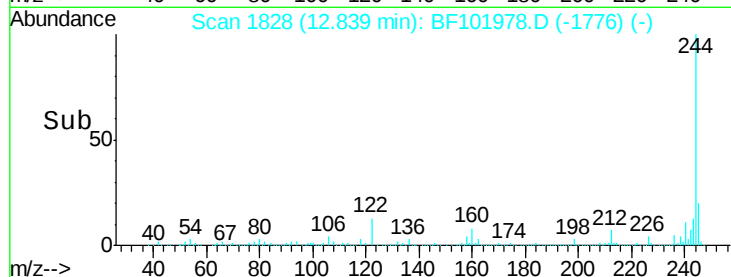
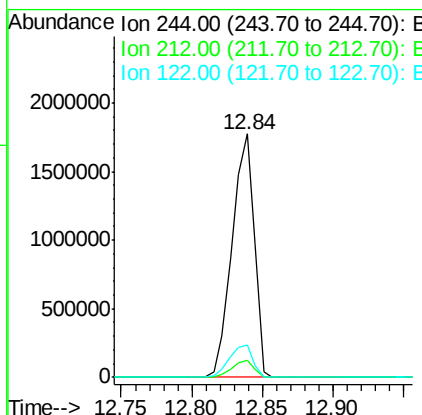
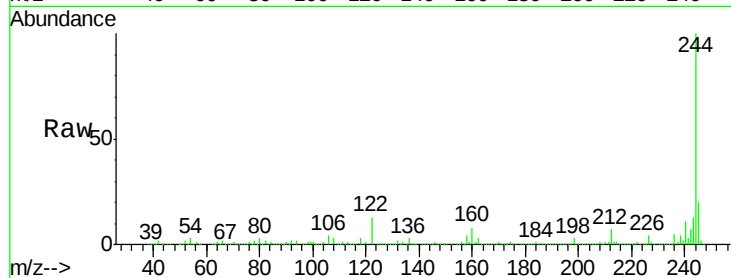




#78
 Terphenyl-d14
 Concen: 92.157 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: BF101978.D
 Acq: 10 Jan 2018 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:244 Resp: 1944038
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF101978.D
 Acq: 10 Jan 2018 14:02

Tgt Ion:264 Resp: 327579
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.6 17.5 26.3

