

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104212.D
 Acq On : 4 Apr 2018 7:34
 Operator : JU/SJ
 Sample : J2173-03DL 50X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 08:15:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	92401	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	405245	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	208817	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	384850	20.00	ng	0.00
75) Chrysene-d12	14.15	240	265129	20.00	ng	0.00
86) Perylene-d12	15.70	264	214485	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	109	0.02	ng	0.12
7) Phenol-d6	6.69	99	249	0.03	ng	0.09
23) Nitrobenzene-d5	7.57	82	2119	0.32	ng	0.04
41) 2,4,6-Tribromophenol	10.80	330	2737	1.18	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	19915	1.50	ng	0.00
78) Terphenyl-d14	13.08	244	16378	1.43	ng	0.00

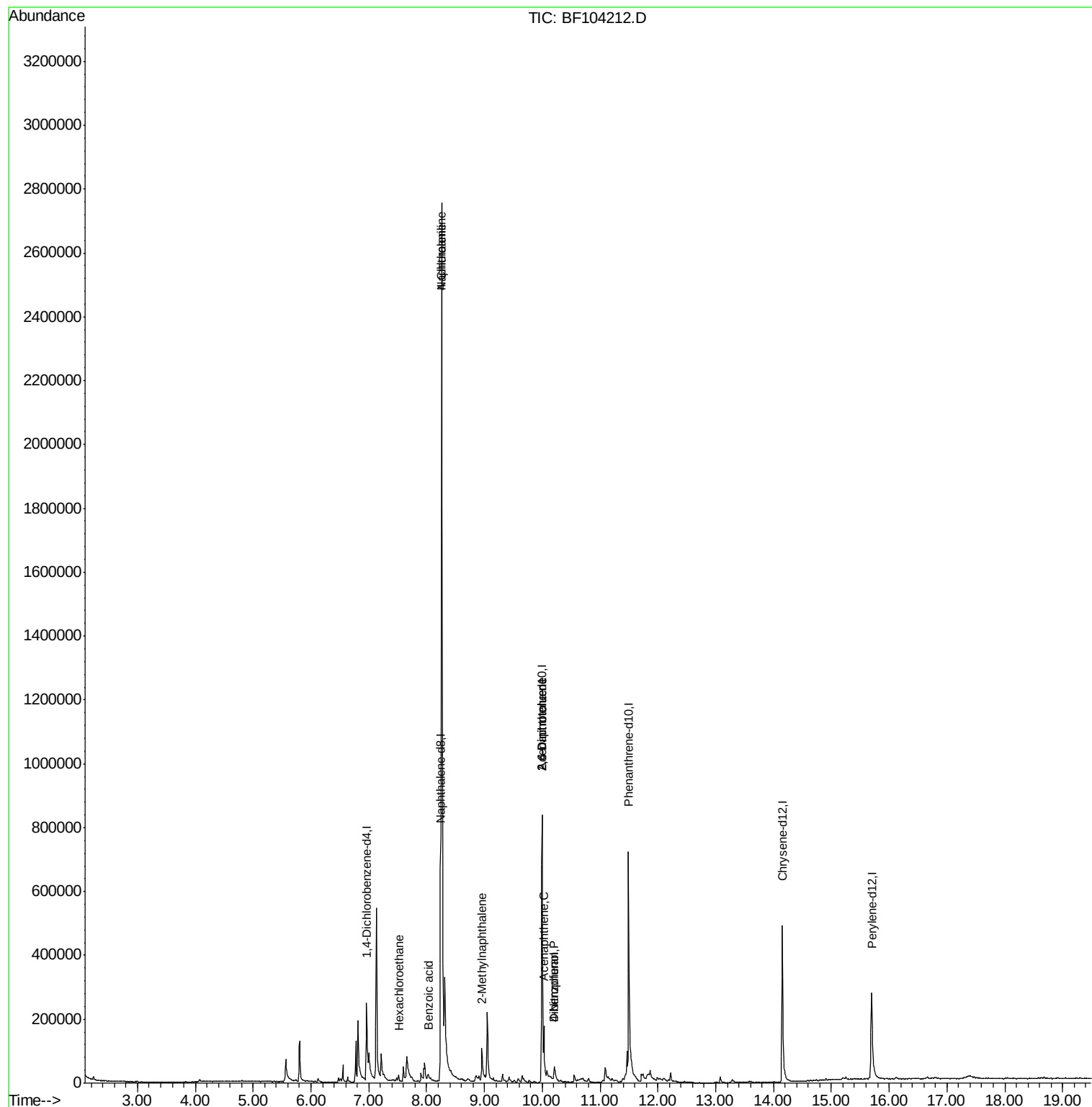
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	1252	Below Cal		# 1
18) Hexachloroethane	7.52	117	10209	3.983	ng	# 7
31) Naphthalene	8.26	128	1695094	85.621	ng	# 99
32) Benzoic acid	8.03	122	8070	2.099	ng	# 21
33) 4-Chloroaniline	8.26	127	217199	26.023	ng	# 33
37) 2-Methylnaphthalene	8.96	142	54198	4.156	ng	# 97
50) 2,6-Dinitrotoluene	10.00	165	25848	7.287	ng	# 27
51) Acenaphthene	10.03	154	35776	2.888	ng	# 97
54) Dibenzofuran	10.21	168	37613	2.079	ng	# 98
55) 4-Nitrophenol	10.21	139	14291	5.845	ng	# 12
56) 2,4-Dinitrotoluene	10.00	165	26381	5.829	ng	# 24

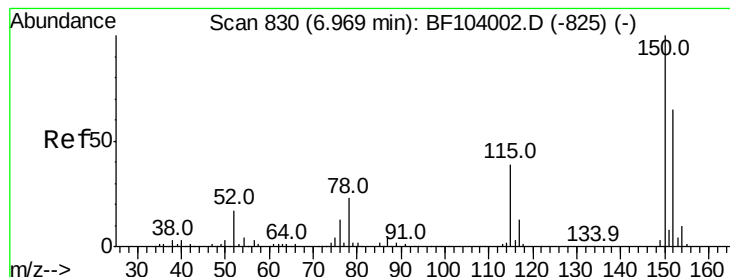
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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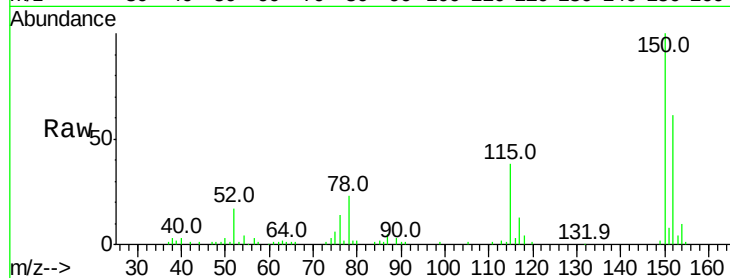


#1

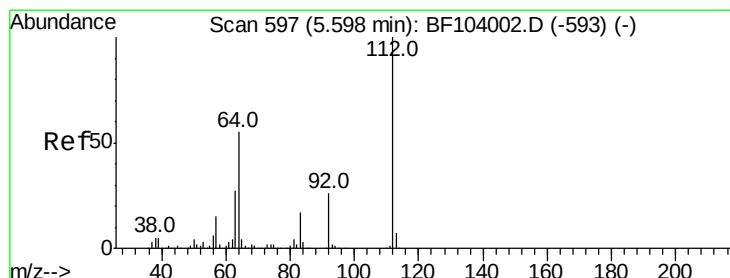
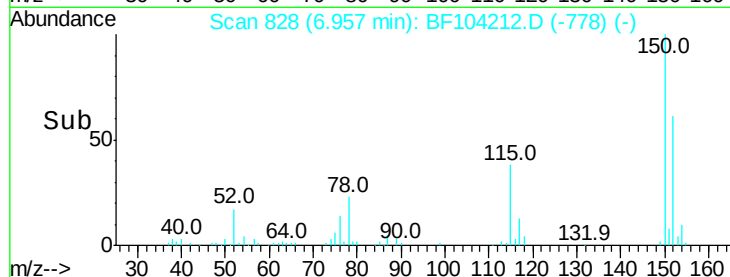
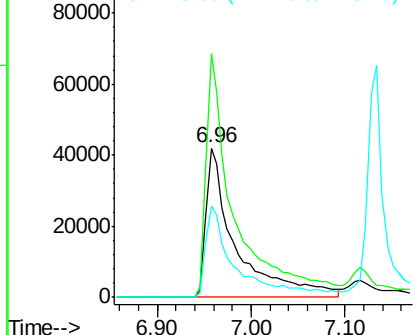
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 92401
Ion Ratio Lower Upper
152 100
150 163.4 124.6 186.8
115 61.7 50.1 75.1



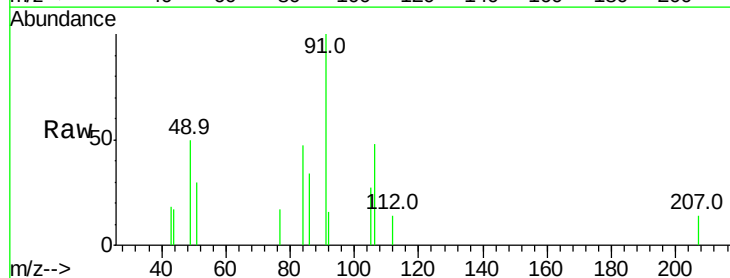
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



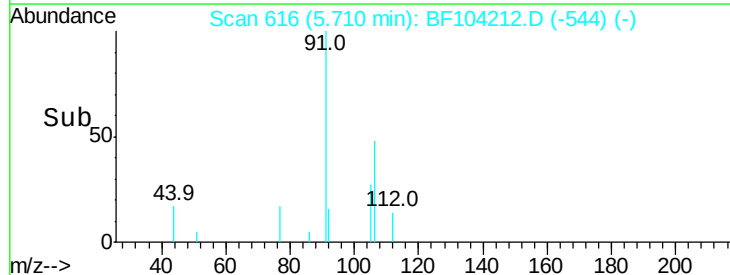
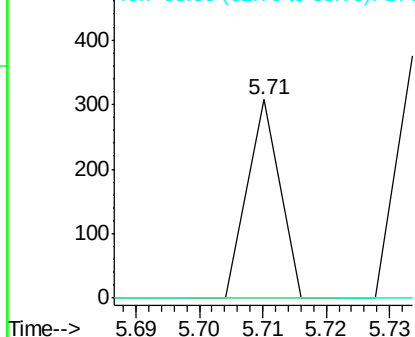
#5

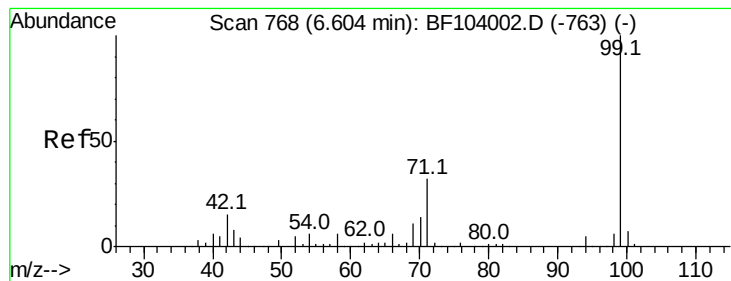
2-Fluorophenol
Concen: 0.019 ng
RT: 5.71 min Scan# 616
Delta R.T. 0.12 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

Tgt Ion:112 Resp: 109
Ion Ratio Lower Upper
112 100
64 0.0 47.9 71.9#
63 0.0 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: 0.035 ng

RT: 6.69 min Scan# 783

Delta R.T. 0.09 min

Lab File: BF104212.D

Acq: 4 Apr 2018 7:34

Instrument :

BNA_F

ClientSampleId :

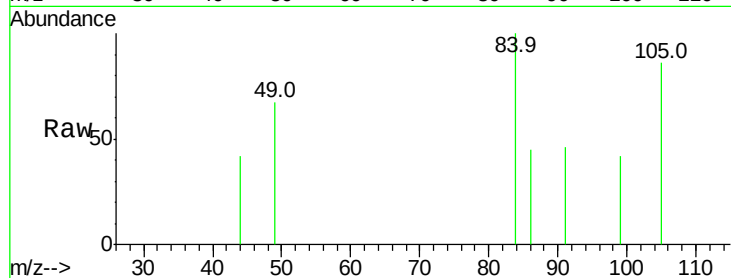
Tot Ion: 99 Resp: 249

Ion Ratio Lower Upper

99 100

42 0.0 14.5 21.7#

71 0.0 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

Time-->

6.67 6.68 6.69 6.70

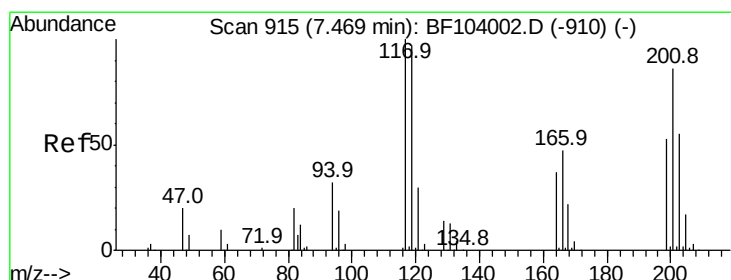
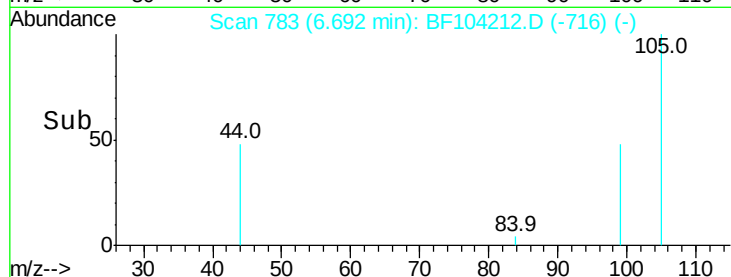
6.69

300

200

100

0



#18

Hexachloroethane

Concen: 3.983 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.05 min

Lab File: BF104212.D

Acq: 4 Apr 2018 7:34

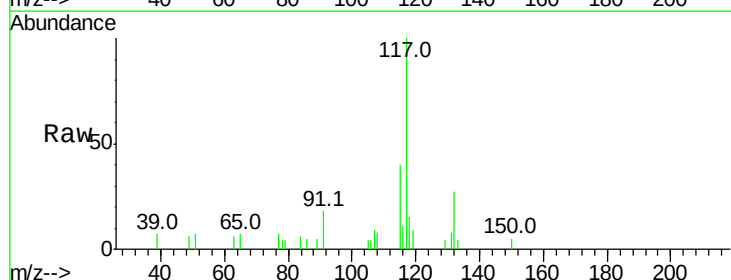
Tgt Ion: 117 Resp: 10209

Ion Ratio Lower Upper

117 100

119 9.5 75.8 113.8#

201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

Time-->

7.40 7.50 7.60

7.52

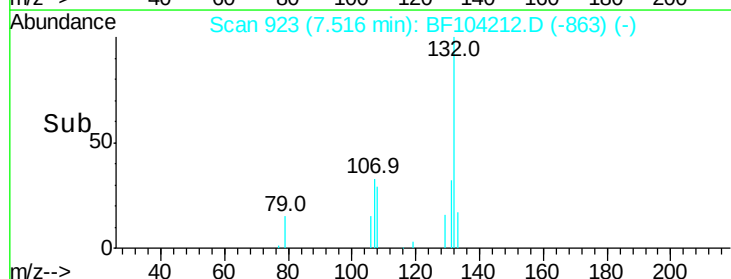
8000

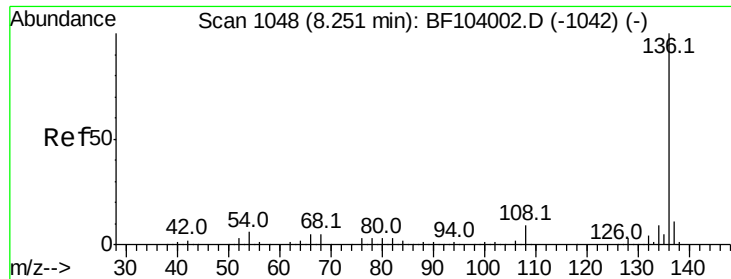
6000

4000

2000

0

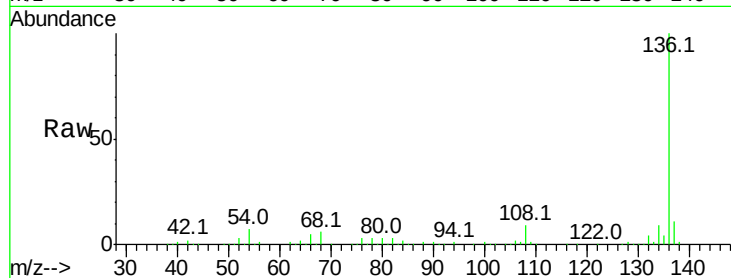




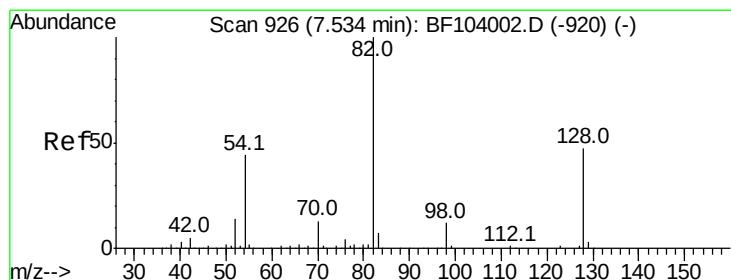
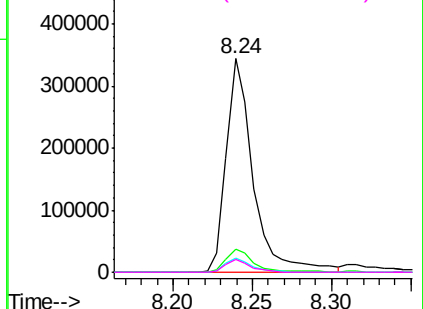
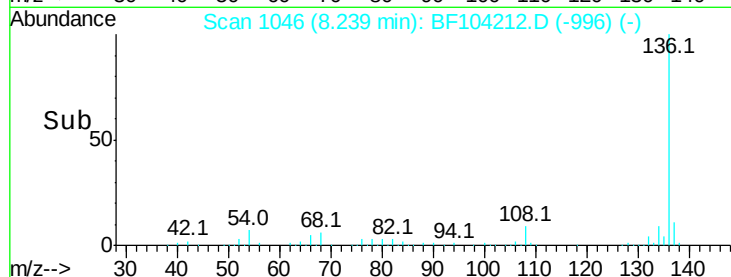
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	405245
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.7	6.6 9.8
68	6.2	5.0 7.4

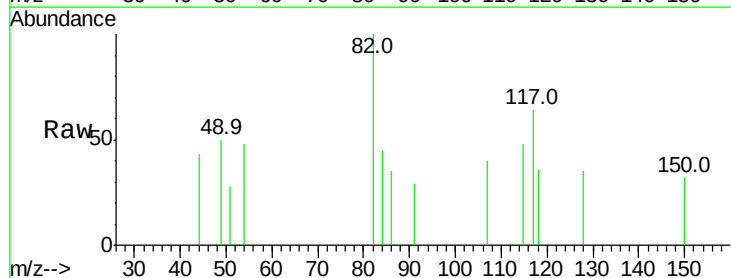


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

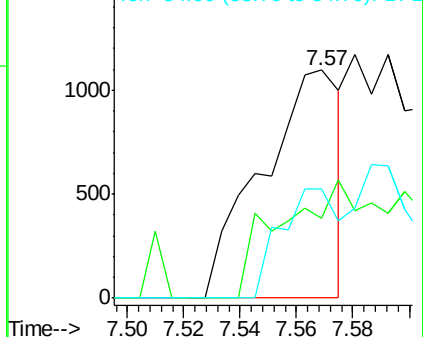
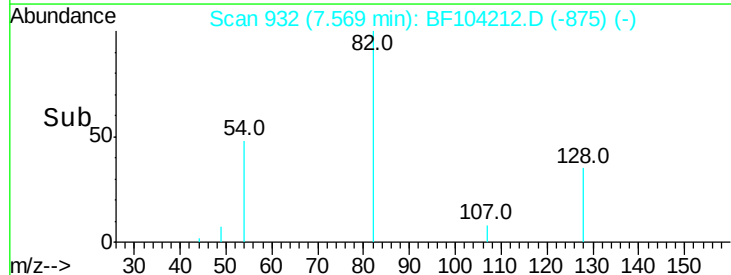


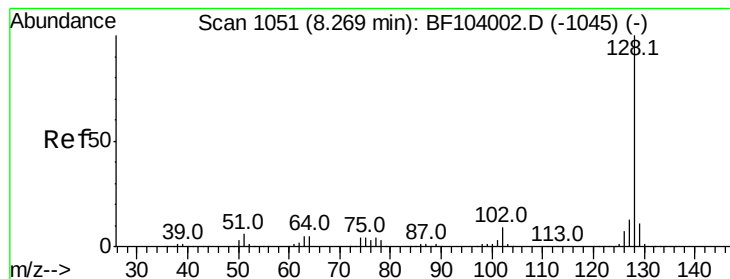
#23
Nitrobenzene-d5
Concen: 0.320 ng
RT: 7.57 min Scan# 932
Delta R.T. 0.04 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

Tgt Ion: 82	Resp:	2119
Ion Ratio	Lower	Upper
82	100	
128	35.1	36.1 54.1#
54	47.9	41.4 62.2



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





#31

Naphthalene

Concen: 85.621 ng

RT: 8.26 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF104212.D

Acq: 4 Apr 2018 7:34

Instrument :

BNA_F

ClientSampleId :

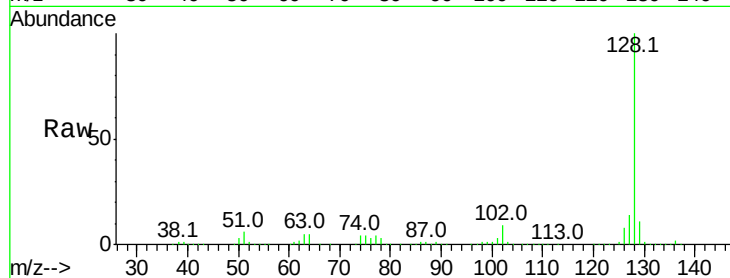
Tot Ion:128 Resp: 1695094

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

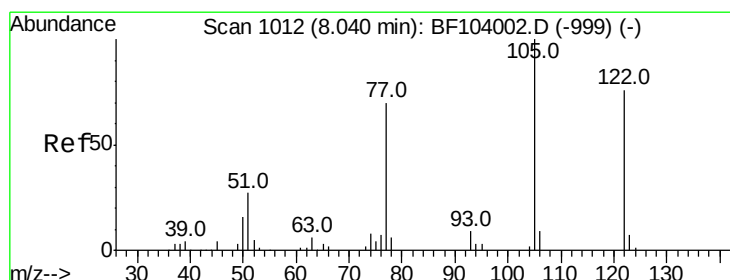
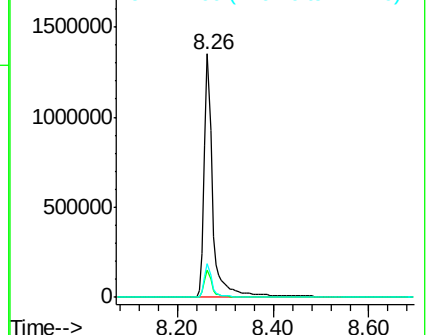
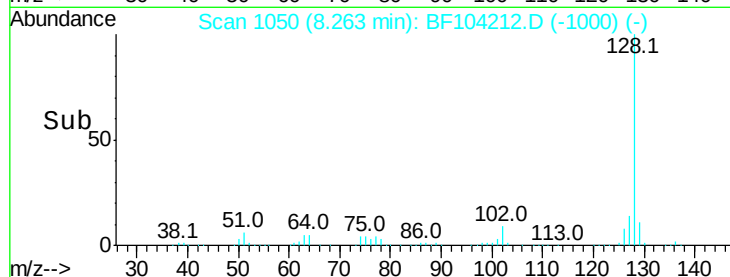
127 13.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.099 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF104212.D

Acq: 4 Apr 2018 7:34

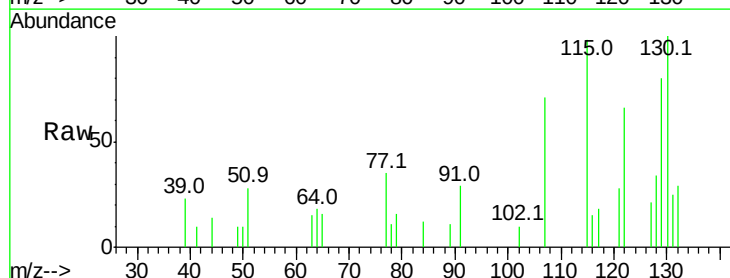
Tgt Ion:122 Resp: 8070

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

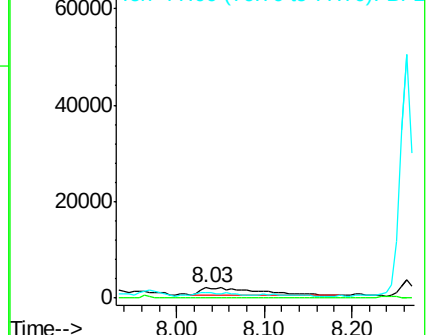
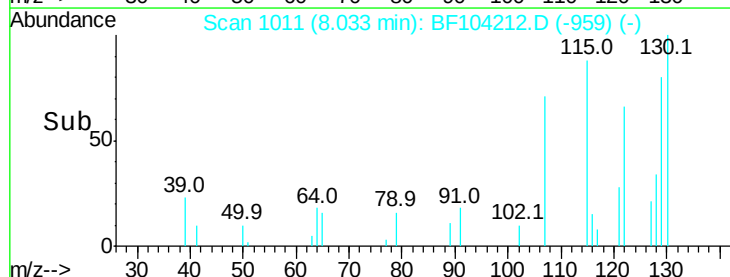
77 53.2 70.7 110.7#

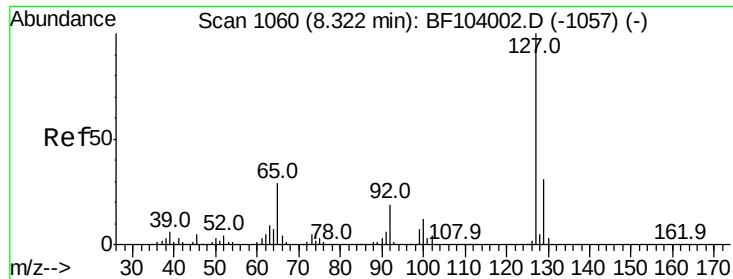


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

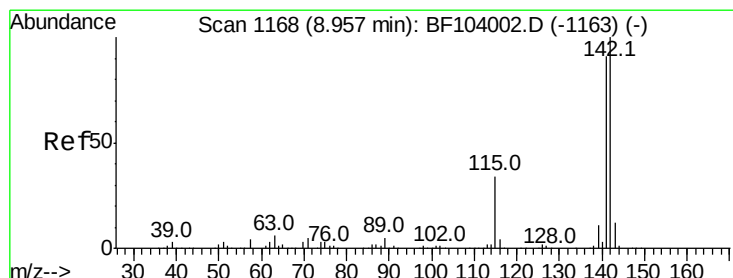
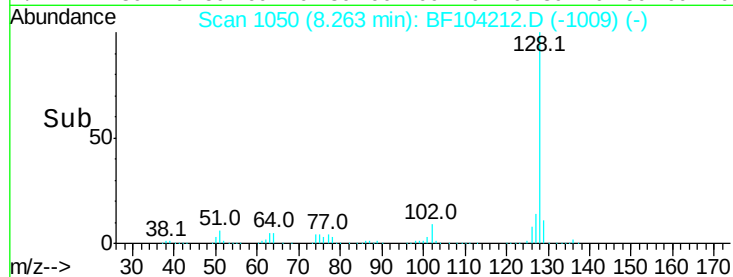
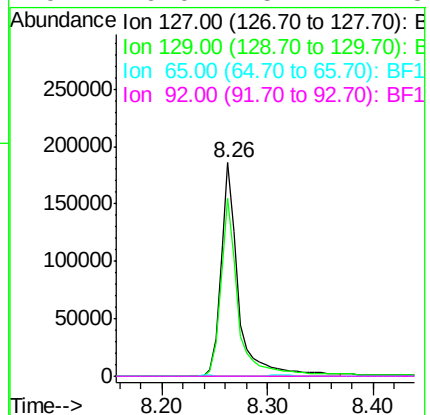
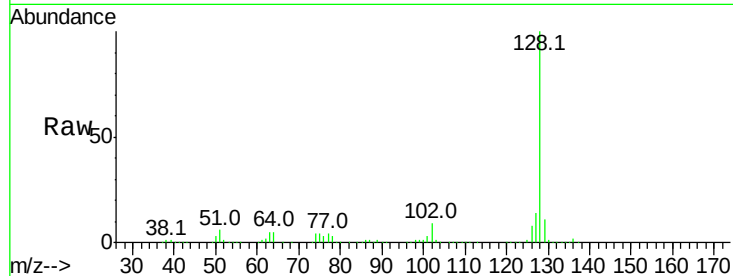




#33
4-Chloroaniline
Concen: 26.023 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.06 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

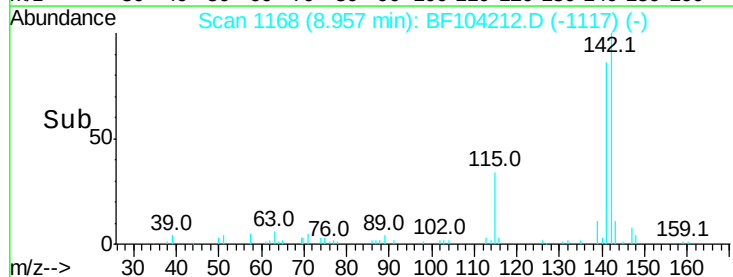
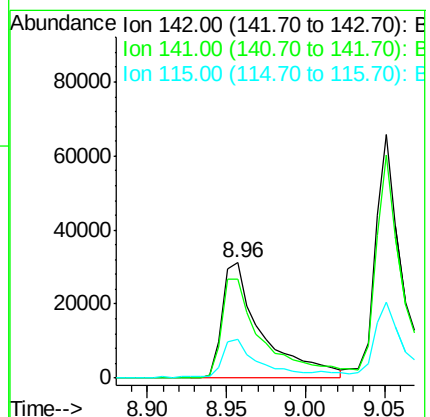
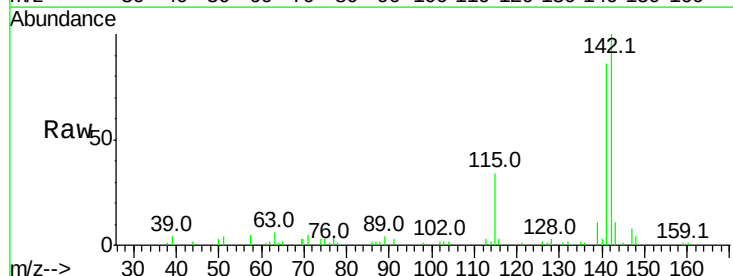
Instrument :
BNA_F
ClientSampleId :

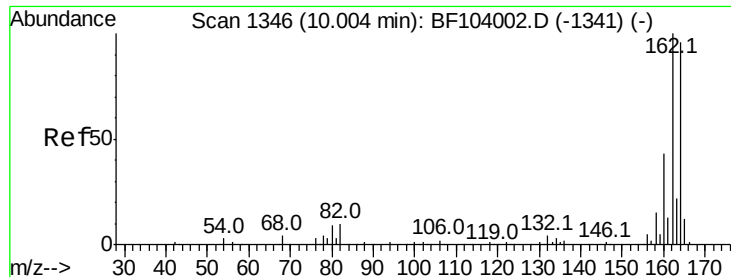
Tot Ion:	127	Resp:	217199
Ion	Ratio	Lower	Upper
127	100		
129	83.2	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 4.156 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

Tgt Ion:	142	Resp:	54198
Ion	Ratio	Lower	Upper
142	100		
141	85.9	70.8	106.2
115	33.5	26.1	39.1

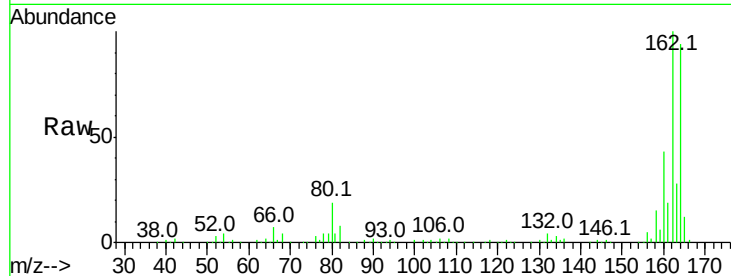




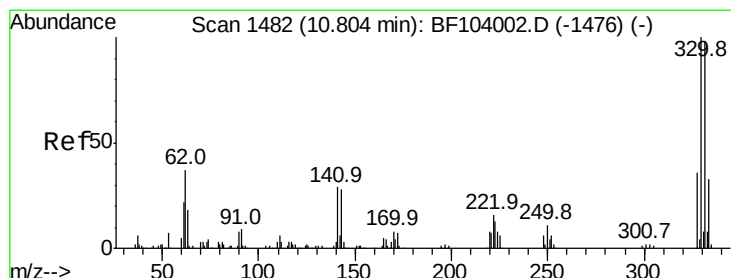
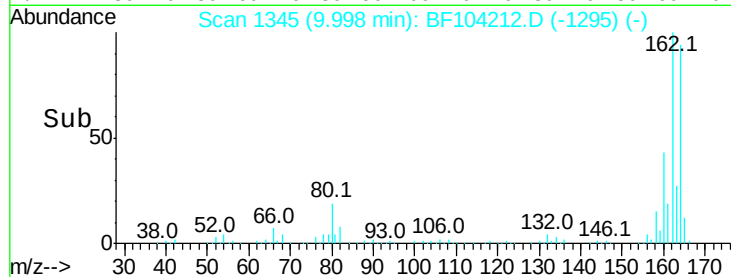
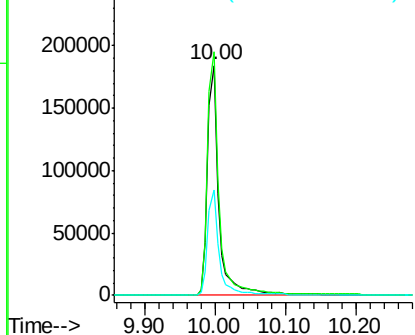
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 208817
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 45.9 38.3 57.5

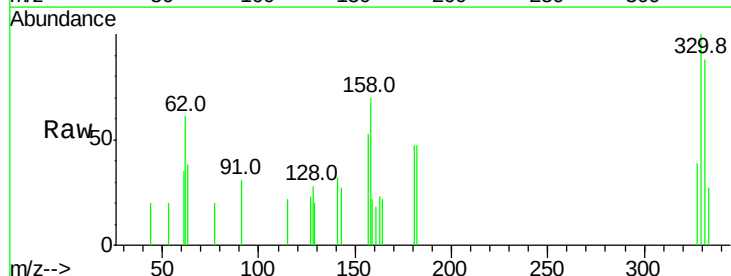


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

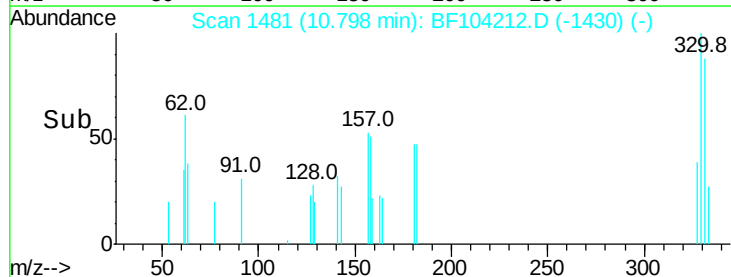
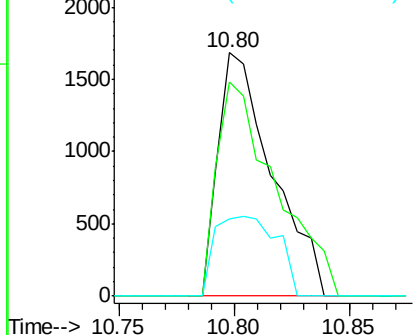


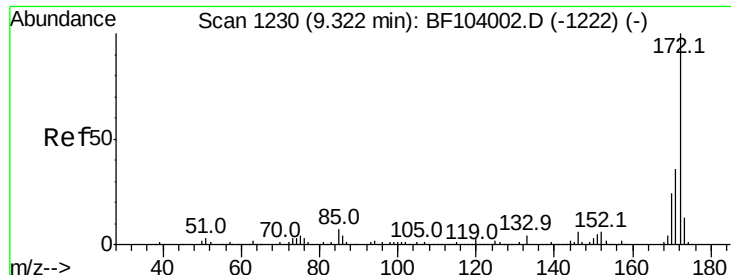
#41
2,4,6-Tribromophenol
Concen: 1.177 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

Tgt Ion:330 Resp: 2737
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 37.7 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

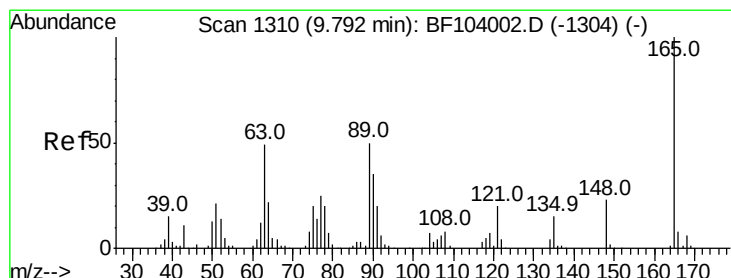
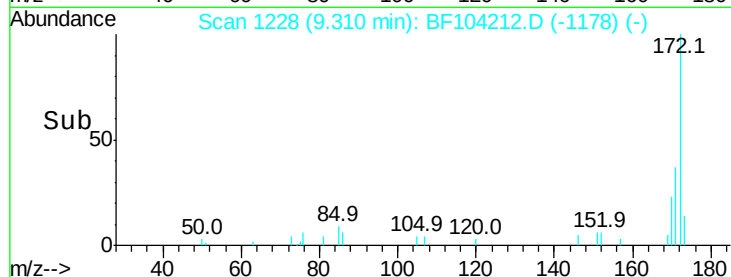
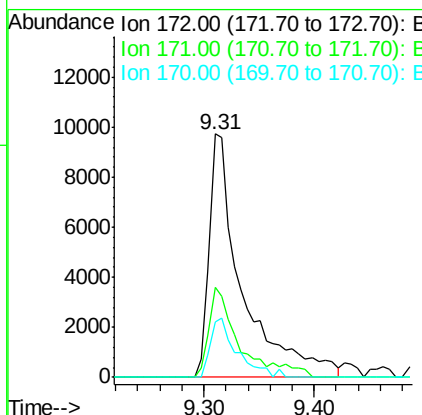
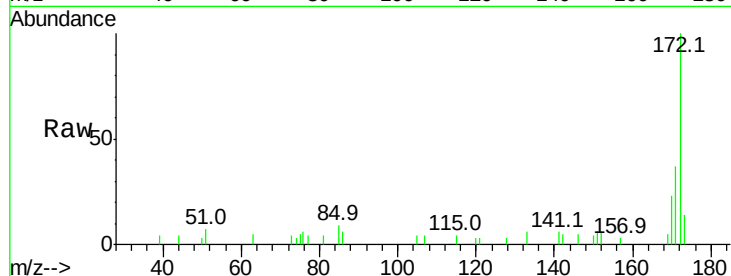




#44
 2-Fluorobiphenyl
 Concen: 1.504 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104212.D
 Acq: 4 Apr 2018 7:34

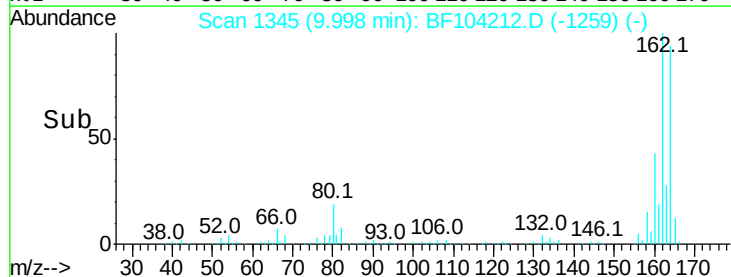
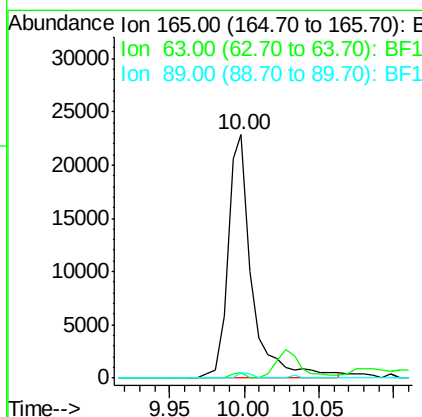
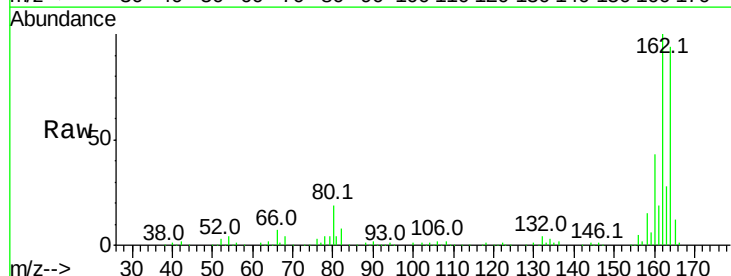
Instrument :
 BNA_F
 ClientSampleId :

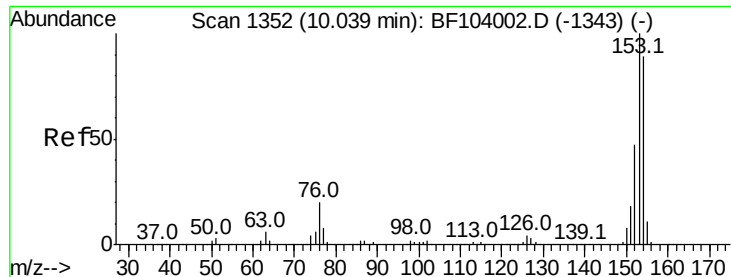
Tot Ion:172 Resp: 19915
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 22.7 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.287 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.21 min
 Lab File: BF104212.D
 Acq: 4 Apr 2018 7:34

Tgt Ion:165 Resp: 25848
 Ion Ratio Lower Upper
 165 100
 63 2.3 44.7 67.1#
 89 2.2 44.0 66.0#





#51

Acenaphthene

Concen: 2.888 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104212.D

Acq: 4 Apr 2018 7:34

Instrument :

BNA_F

ClientSampleId :

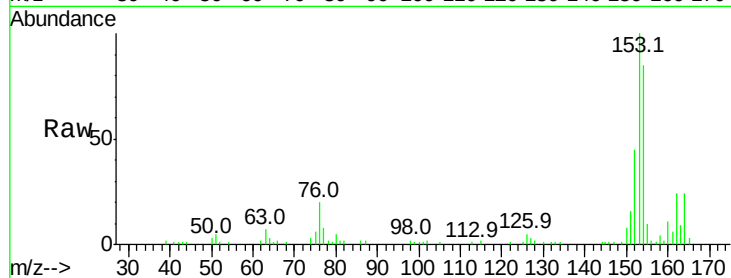
Tot Ion:154 Resp: 35776

Ion Ratio Lower Upper

154 100

153 118.0 91.2 136.8

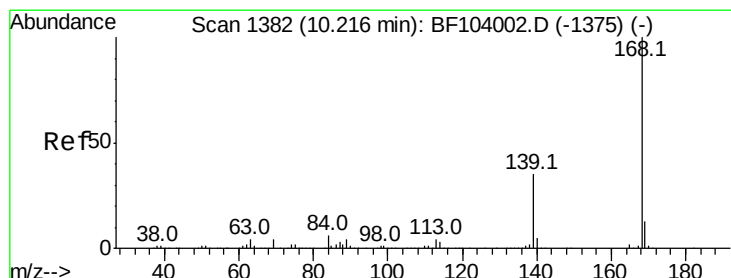
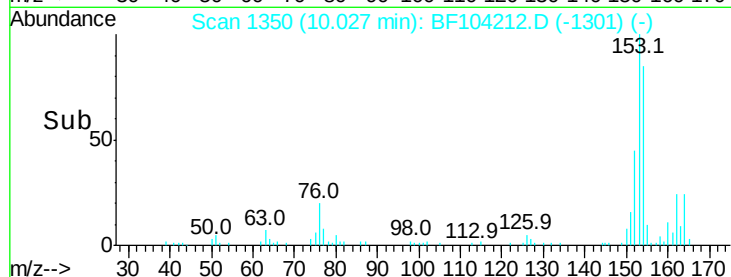
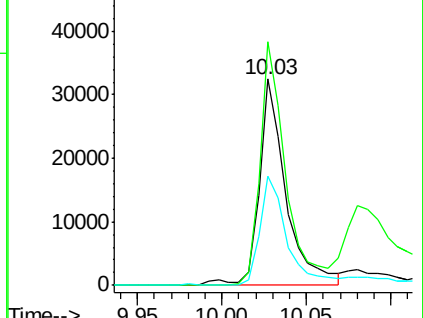
152 52.8 43.8 65.8



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



#54

Dibenzofuran

Concen: 2.079 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BF104212.D

Acq: 4 Apr 2018 7:34

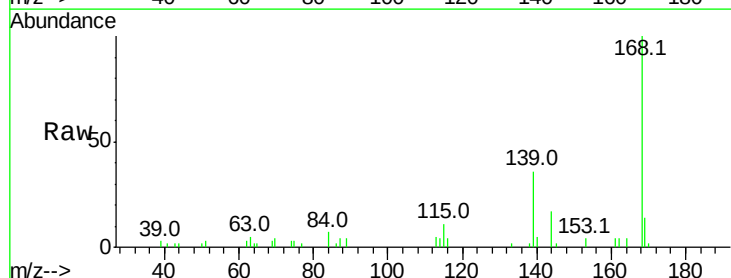
Tgt Ion:168 Resp: 37613

Ion Ratio Lower Upper

168 100

139 36.3 30.1 45.1

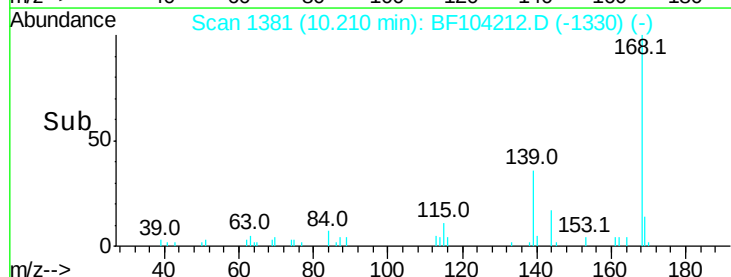
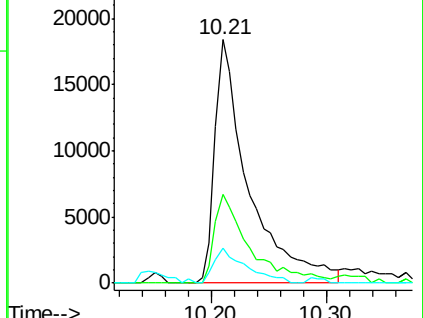
169 14.3 10.9 16.3

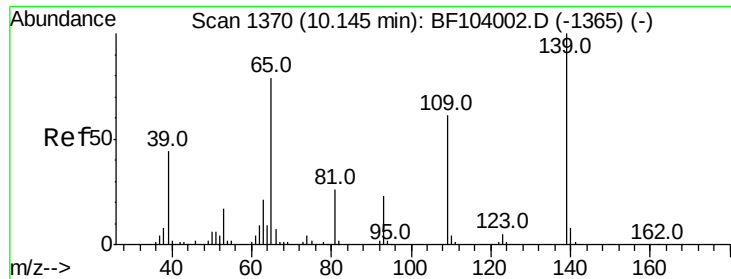


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 5.845 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.06 min

Lab File: BF104212.D

Acq: 4 Apr 2018 7:34

Instrument :

BNA_F

ClientSampleId :

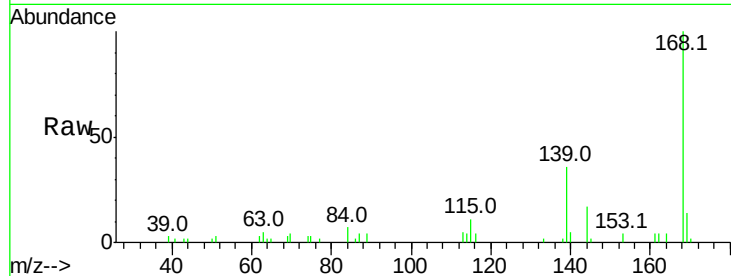
Tot Ion:139 Resp: 14291

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

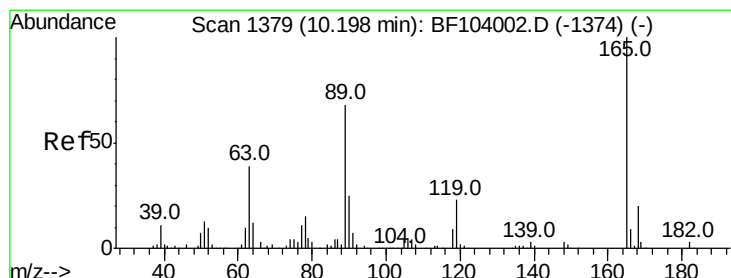
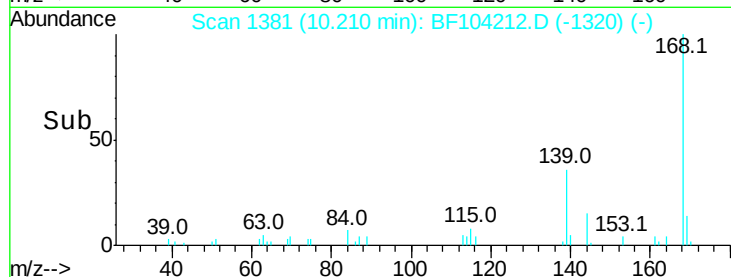
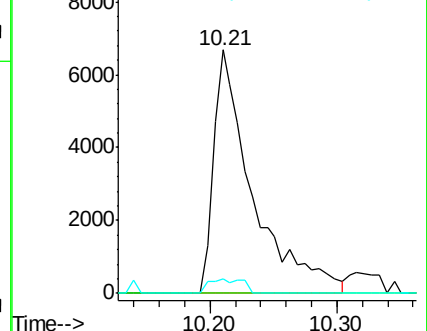
65 6.0 72.6 112.6#



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: 5.829 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.20 min

Lab File: BF104212.D

Acq: 4 Apr 2018 7:34

Tgt Ion:165 Resp: 26381

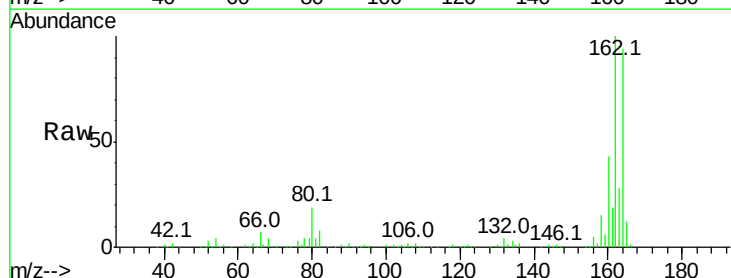
Ion Ratio Lower Upper

165 100

63 2.3 36.4 54.6#

89 2.2 57.8 86.6#

182 0.0 1.6 2.4#

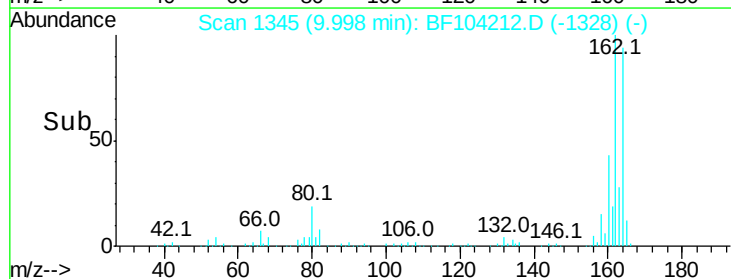
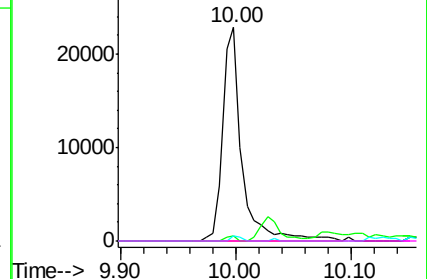


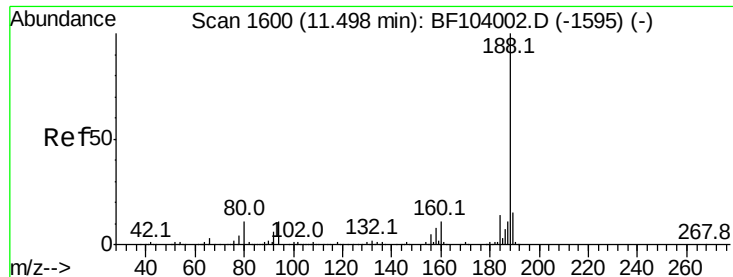
Abundance Ion 165.00 (164.70 to 165.70): E

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

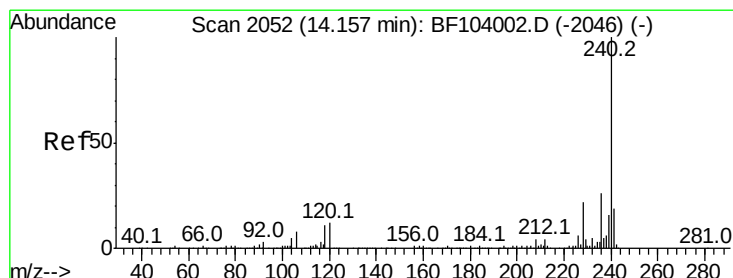
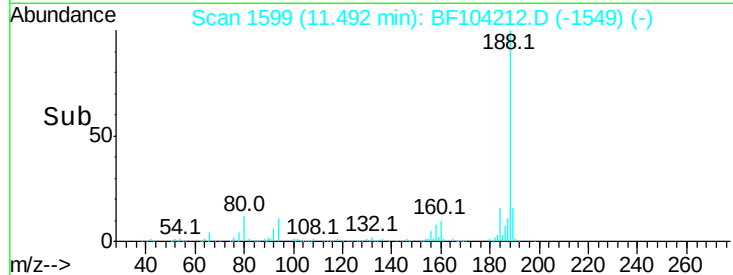
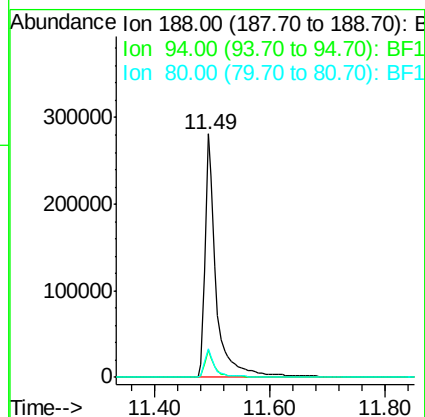
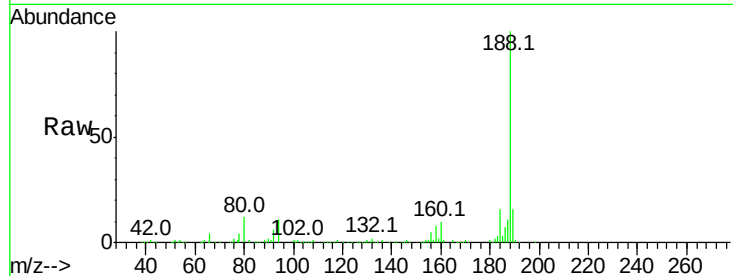




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

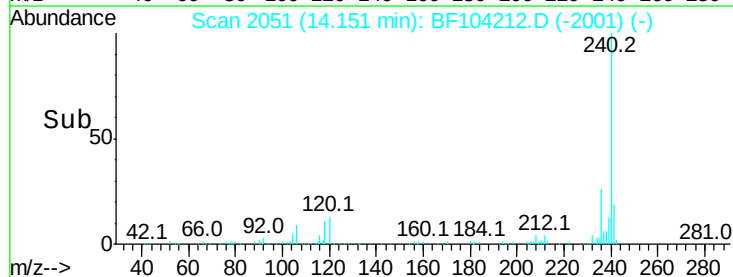
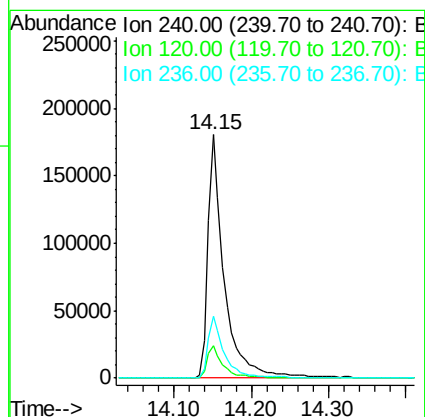
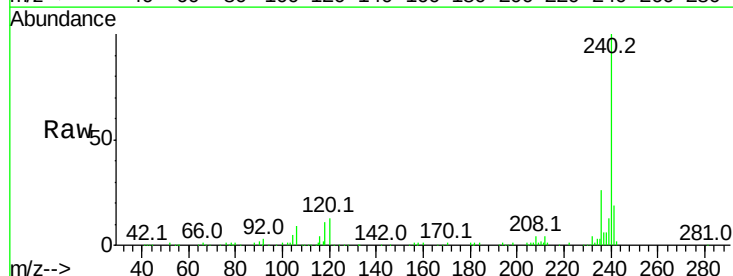
Instrument :
BNA_F
ClientSampleId :

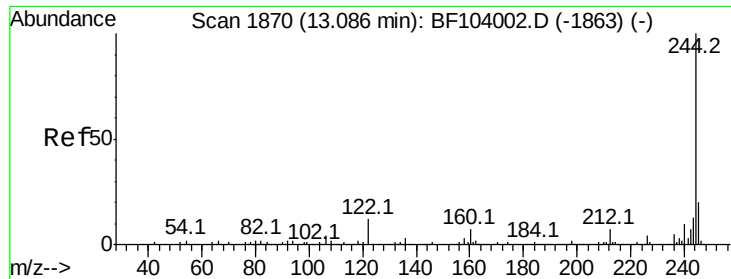
Tot Ion:188 Resp: 384850
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.7 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF104212.D
Acq: 4 Apr 2018 7:34

Tgt Ion:240 Resp: 265129
Ion Ratio Lower Upper
240 100
120 13.1 9.5 14.3
236 25.6 20.7 31.1

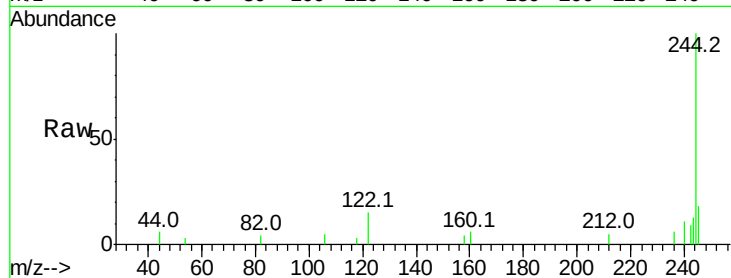




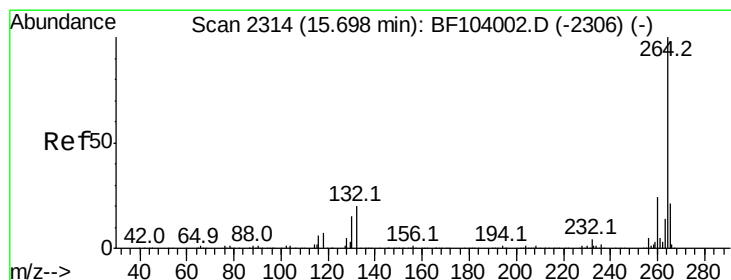
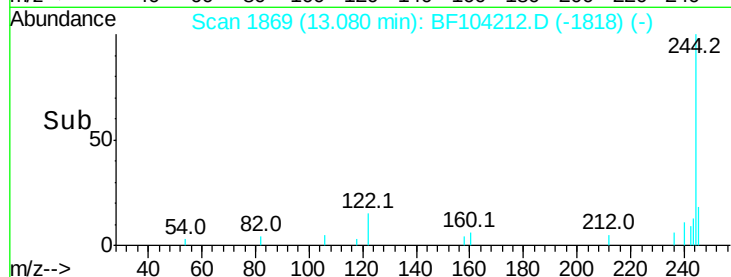
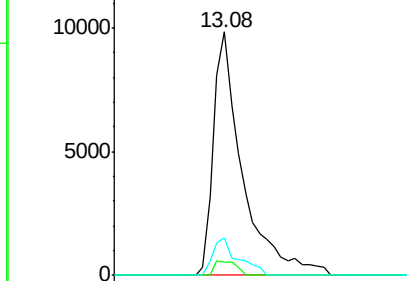
#78
 Terphenyl-d14
 Concen: 1.426 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: BF104212.D
 Acq: 4 Apr 2018 7:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 16378
 Ion Ratio Lower Upper
 244 100
 212 5.2 5.4 8.0#
 122 15.3 11.0 16.4

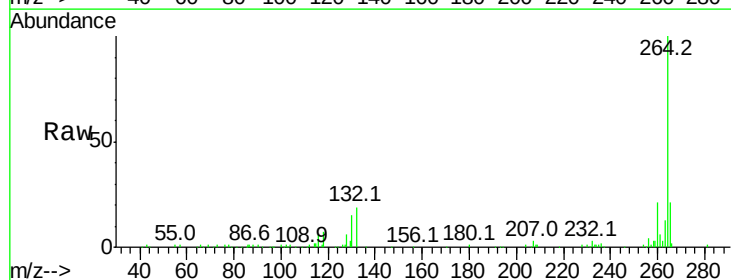


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. -0.00 min
 Lab File: BF104212.D
 Acq: 4 Apr 2018 7:34

Tgt Ion:264 Resp: 214485
 Ion Ratio Lower Upper
 264 100
 260 21.4 19.2 28.8
 265 21.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

