

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103584.D
 Acq On : 12 Mar 2018 16:13
 Operator : SJ/JU
 Sample : J1821-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-4-5-201802

Quant Time: Mar 13 01:36:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

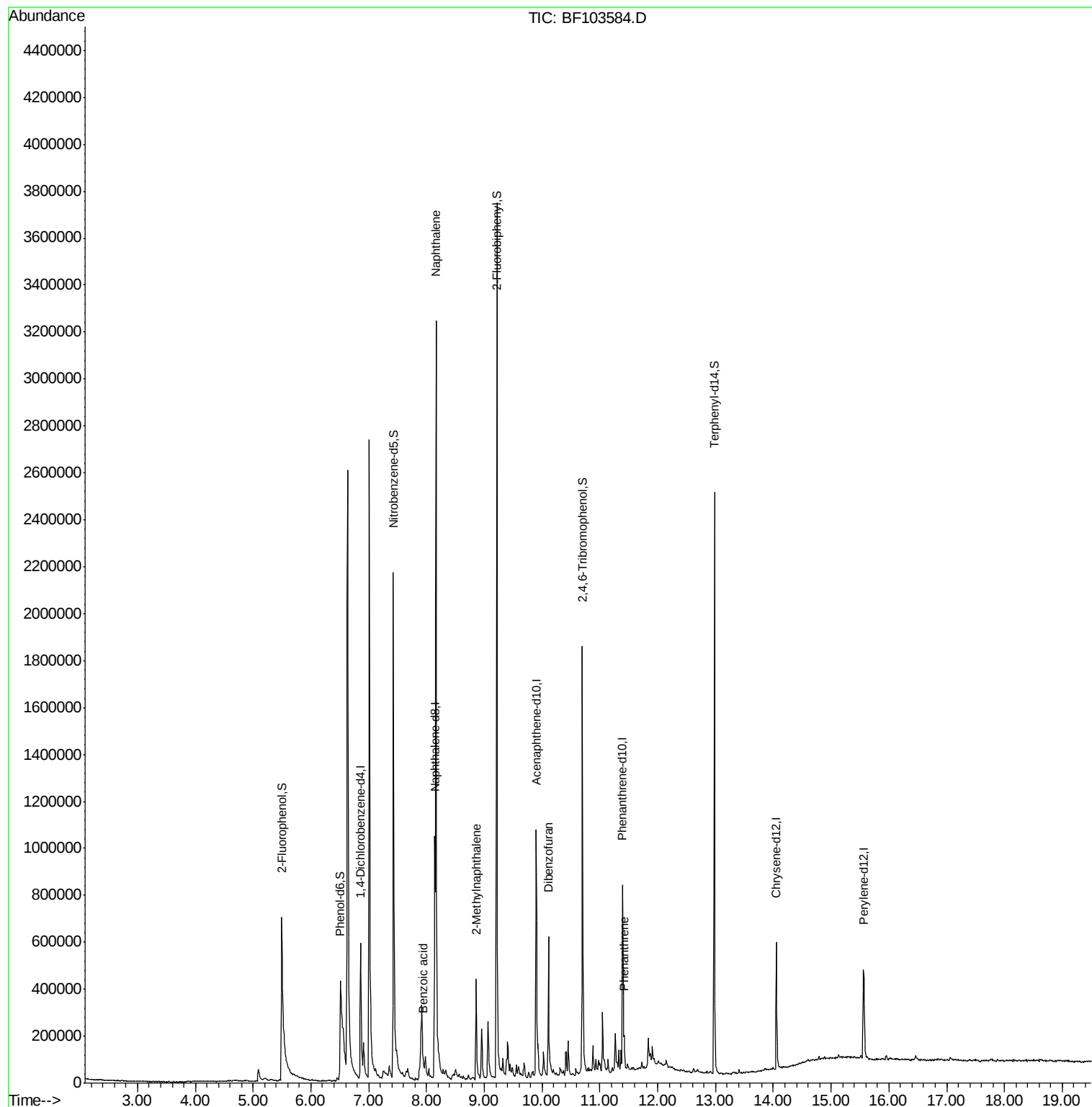
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	130125	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	525469	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	228317	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	329939	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	206651	20.00	ng	-0.01
86) Perylene-d12	15.56	264	210832	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	556683	64.70	ng	0.00
7) Phenol-d6	6.51	99	424582	40.33	ng	0.00
23) Nitrobenzene-d5	7.43	82	988621	107.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	231661	119.87	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1370814	111.25	ng	0.00
78) Terphenyl-d14	12.98	244	876900	102.01	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	1709077	66.43	ng	Qvalue 99
32) Benzoic acid	7.95	122	11310	8.70	ng	# 75
37) 2-Methylnaphthalene	8.86	142	144593	8.70	ng	100
54) Dibenzofuran	10.11	168	39489	2.12	ng	95
70) Phenanthrene	11.42	178	49125	2.71	ng	97

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

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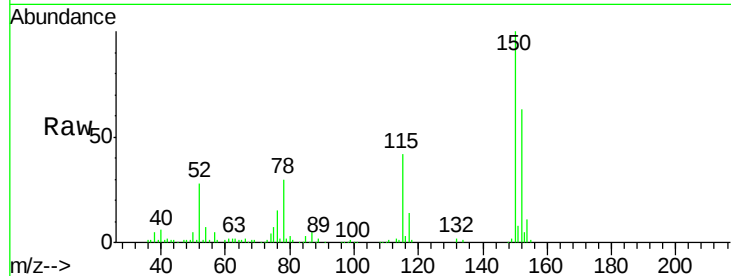


#1

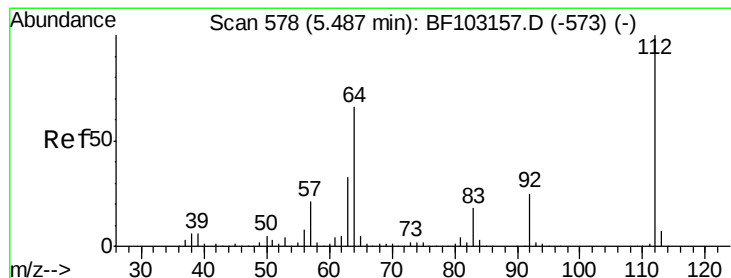
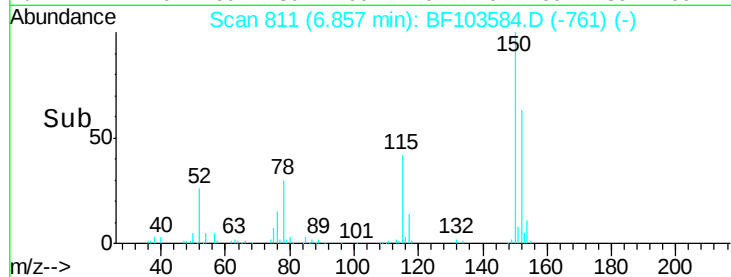
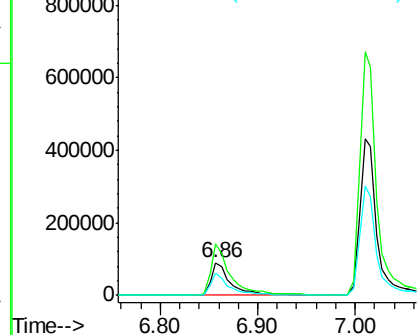
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-4-5-201802

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	67.1	50.1	75.1



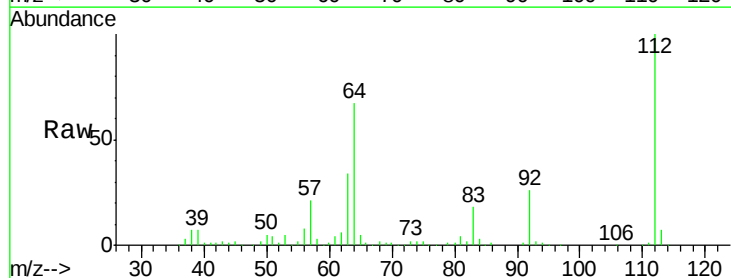
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



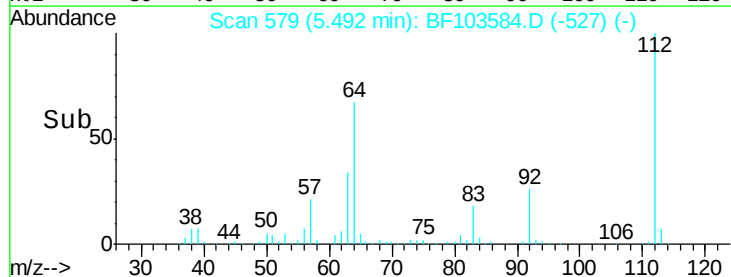
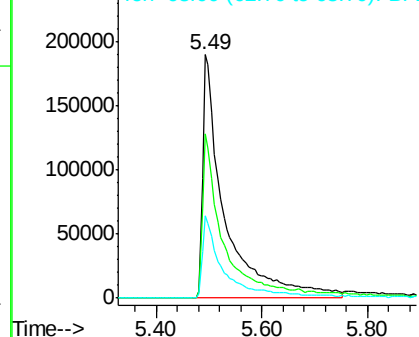
#5

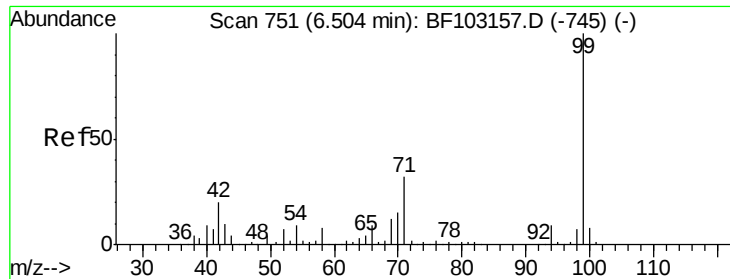
2-Fluorophenol
Concen: 64.70 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	47.9	71.9
63	33.7	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: 40.33 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103584.D

Acq: 12 Mar 2018 16:13

Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-4-5-201802

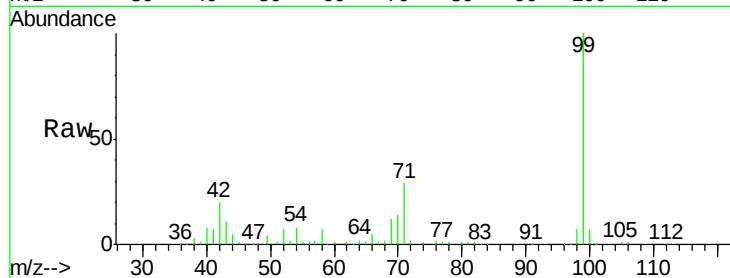
Tot Ion: 99 Resp: 424582

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

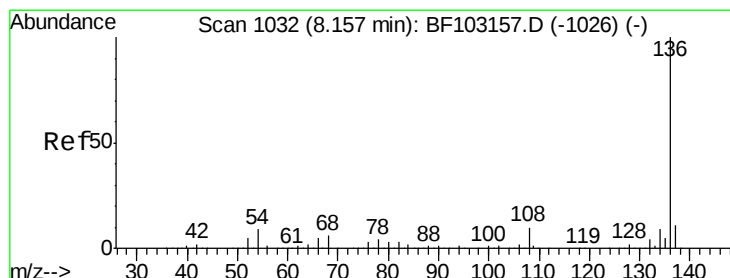
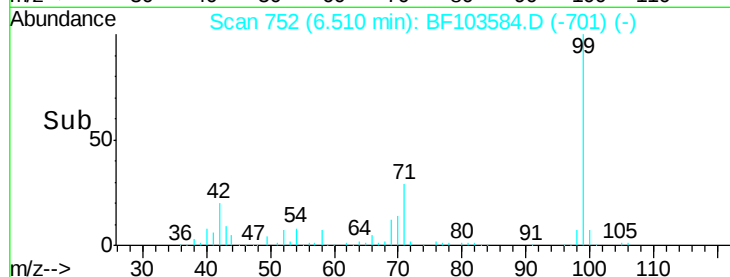
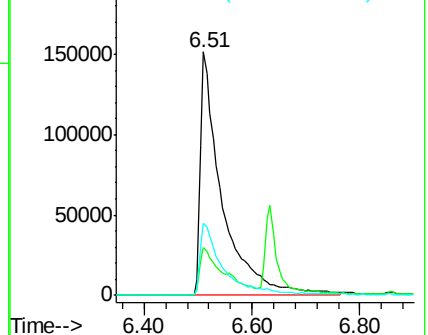
71 29.4 25.4 38.0



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: 20.00 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF103584.D

Acq: 12 Mar 2018 16:13

Tgt Ion: 136 Resp: 525469

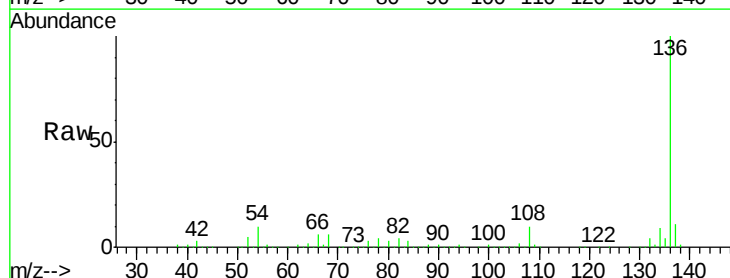
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.3 6.6 9.8#

68 6.3 5.0 7.4

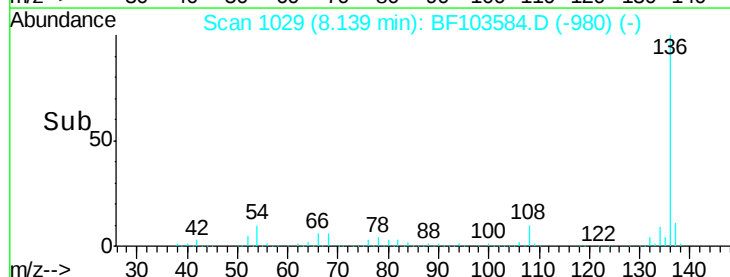
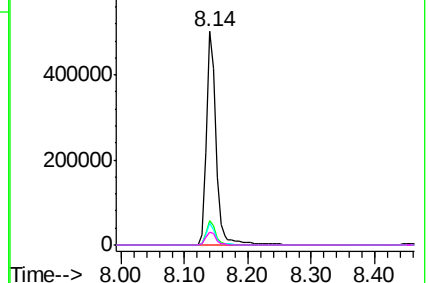


Abundance Ion 136.00 (135.70 to 136.70): E

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

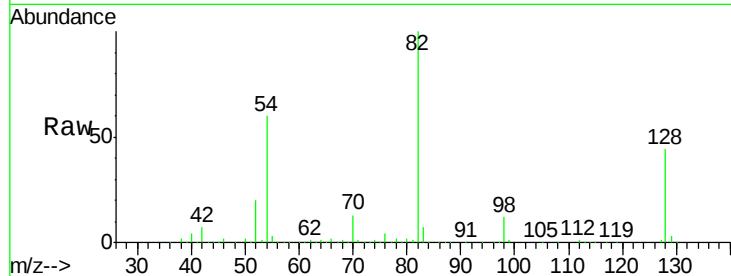




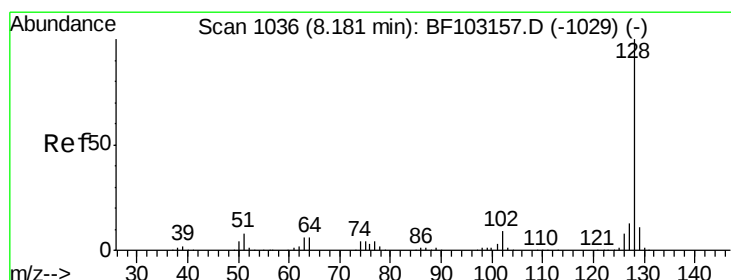
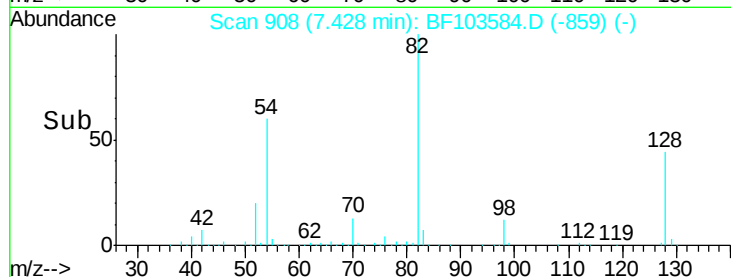
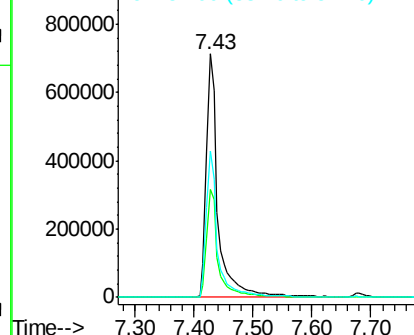
#23
 Nitrobenzene-d5
 Concen: 107.44 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF103584.D
 Acq: 12 Mar 2018 16:13

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-4-5-201802

Tot Ion: 82 Resp: 988621
 Ion Ratio Lower Upper
 82 100
 128 44.1 36.1 54.1
 54 60.2 41.4 62.2

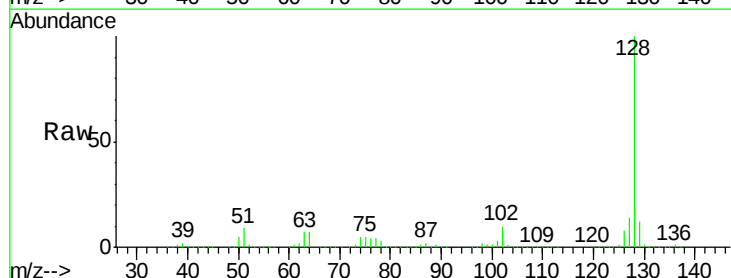


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

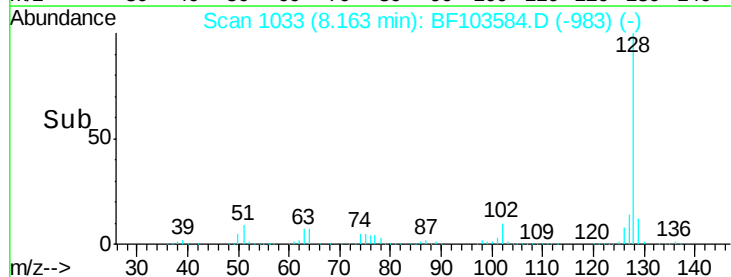
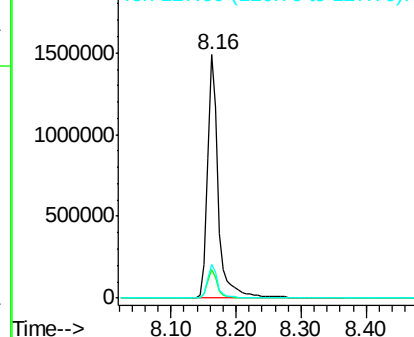


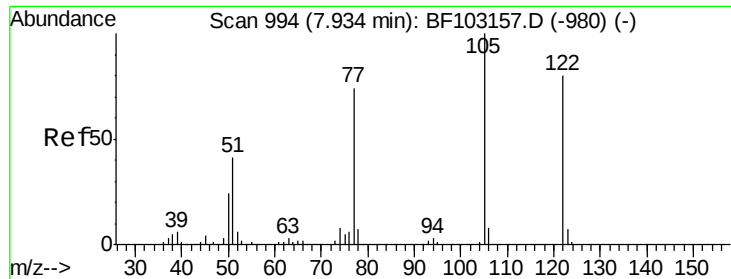
#31
 Naphthalene
 Concen: 66.43 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF103584.D
 Acq: 12 Mar 2018 16:13

Tgt Ion: 128 Resp: 1709077
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.8 13.2
 127 14.1 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

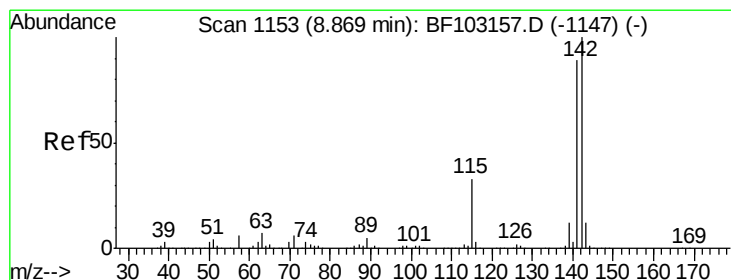
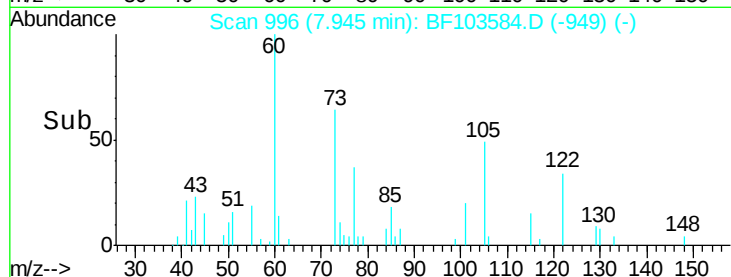
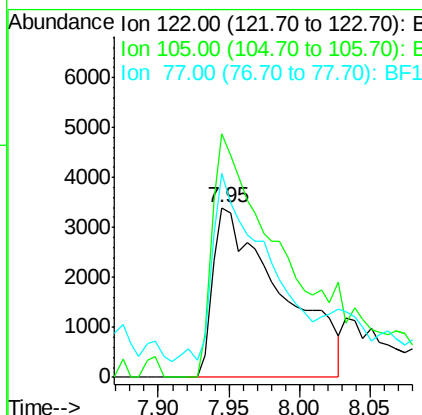
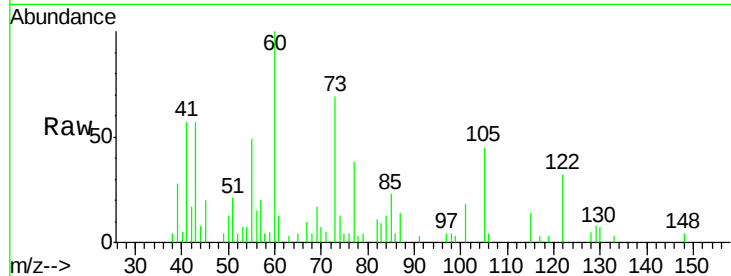




#32
Benzoic acid
Concen: 8.70 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.02 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

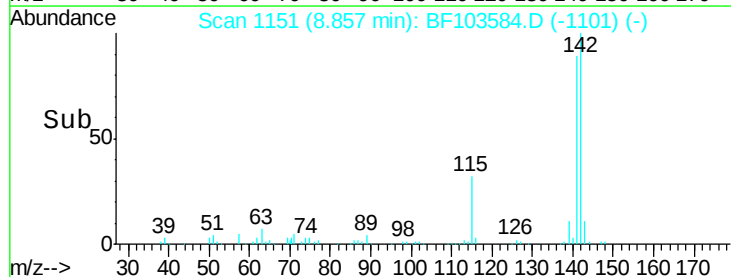
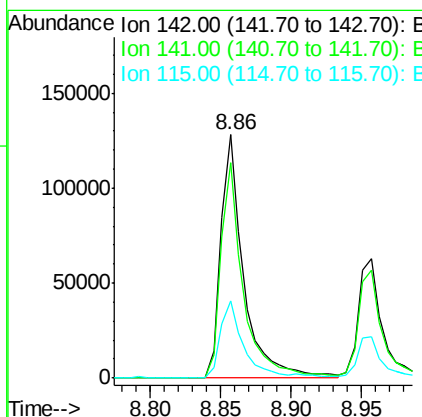
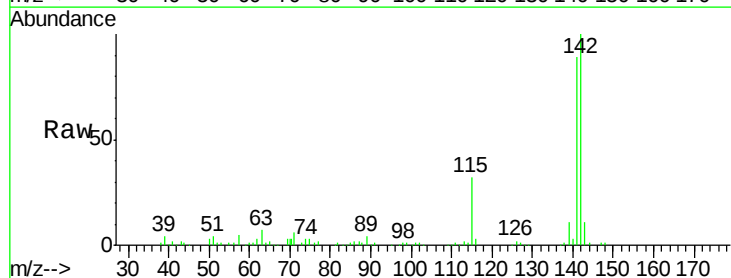
Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-4-5-201802

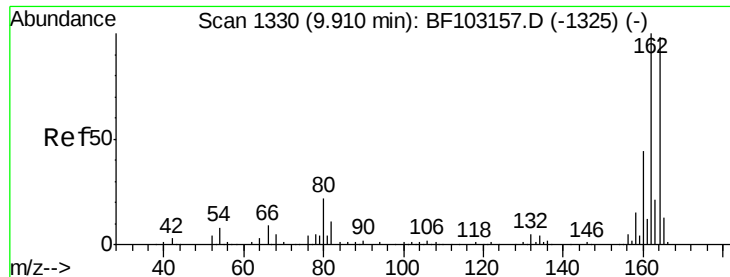
Tot Ion:122 Resp: 11310
Ion Ratio Lower Upper
122 100
105 143.2 101.1 141.1#
77 120.3 70.7 110.7#



#37
2-Methylnaphthalene
Concen: 8.70 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:142 Resp: 144593
Ion Ratio Lower Upper
142 100
141 88.5 70.8 106.2
115 31.9 26.1 39.1

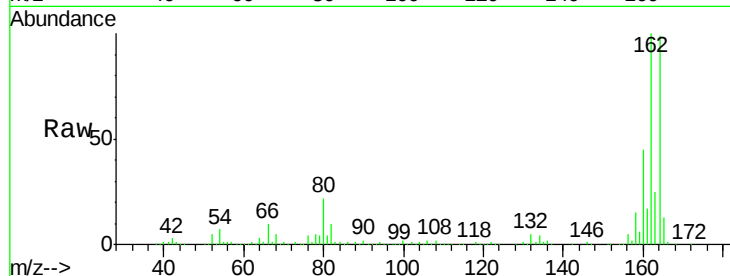




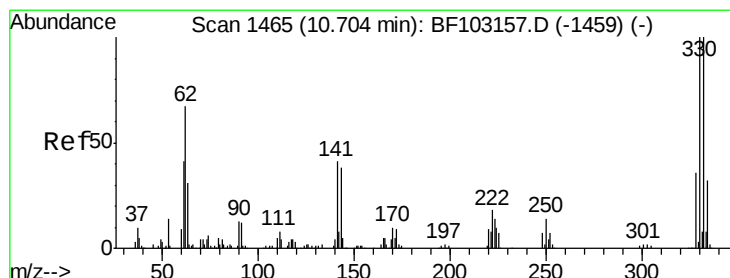
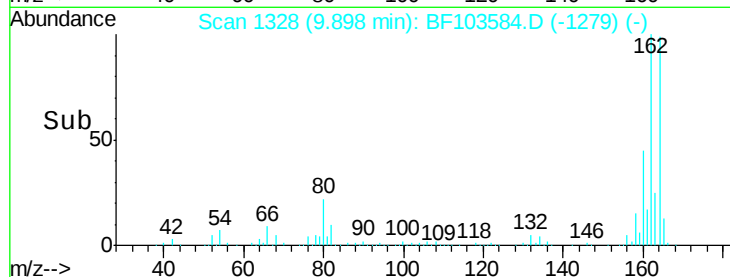
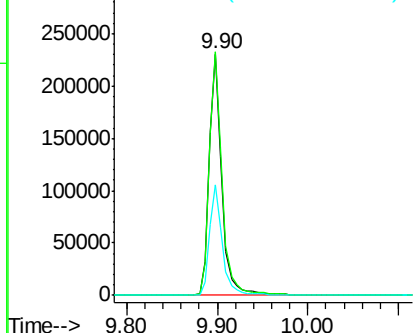
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-4-5-201802

Tot Ion:164 Resp: 228317
Ion Ratio Lower Upper
164 100
162 101.0 86.1 129.1
160 45.6 38.3 57.5

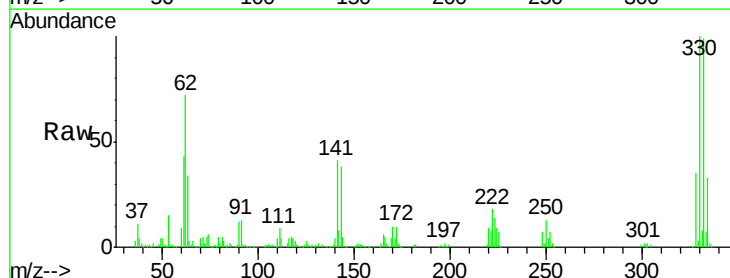


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

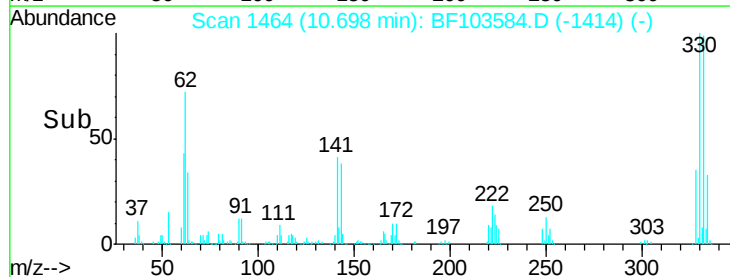
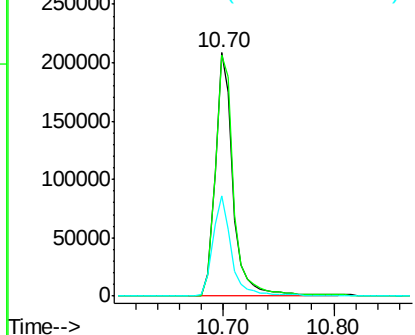


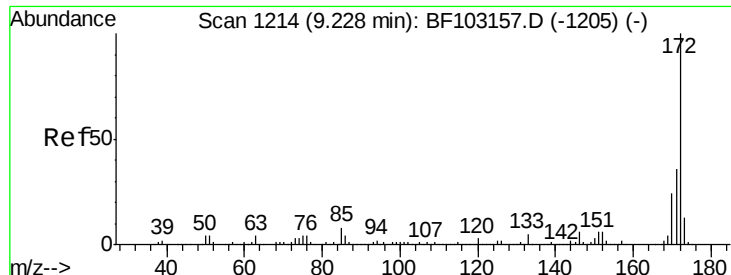
#41
2,4,6-Tribromophenol
Concen: 119.87 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:330 Resp: 231661
Ion Ratio Lower Upper
330 100
332 102.9 77.0 115.6
141 43.3 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

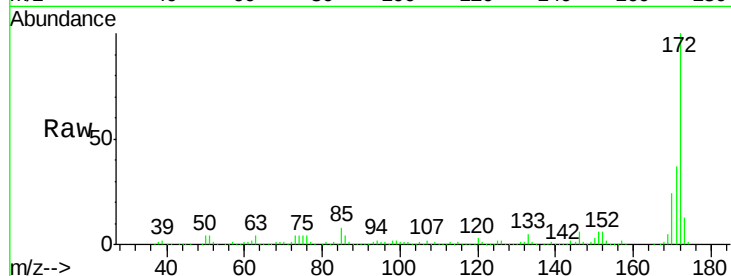




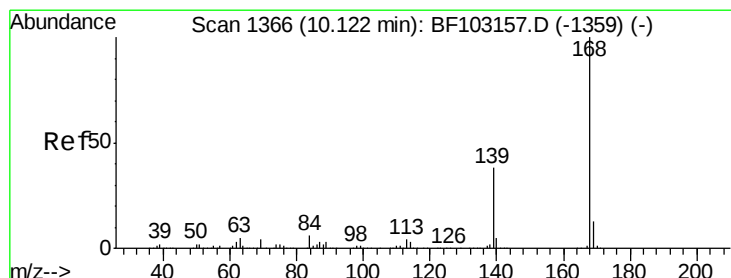
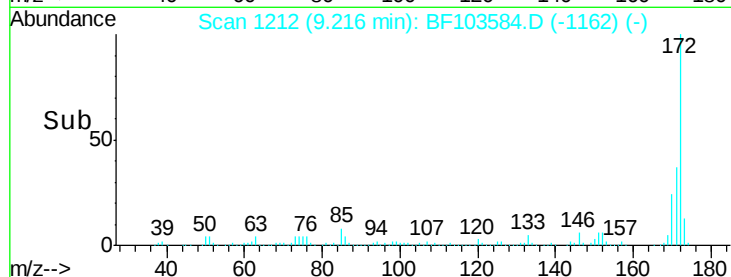
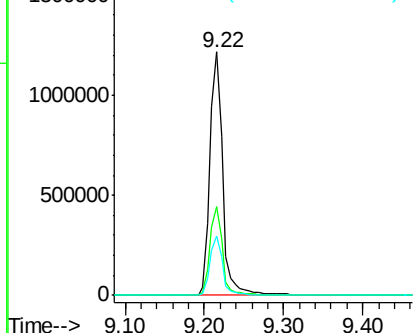
#44
2-Fluorobiphenyl
Concen: 111.25 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Instrument :
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AMENDED-COMPOSITE-4-5-201802

Tot Ion:172 Resp: 1370814
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.5 19.6 29.4

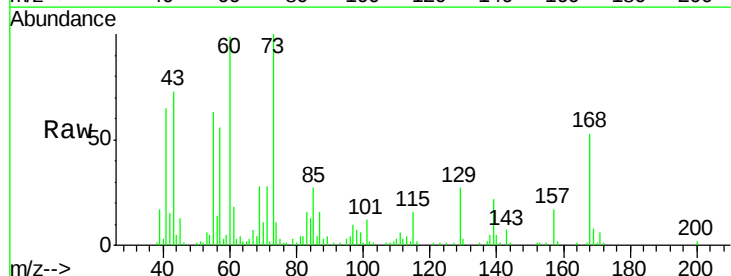


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

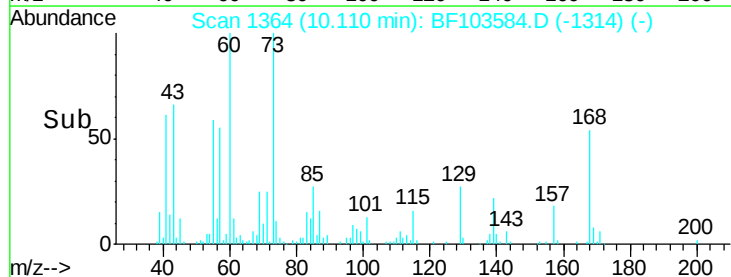
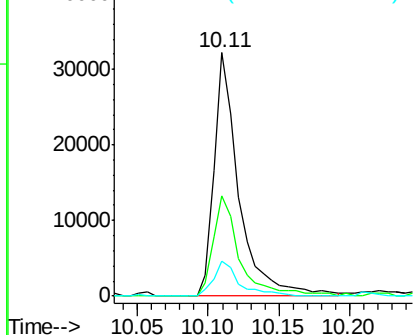


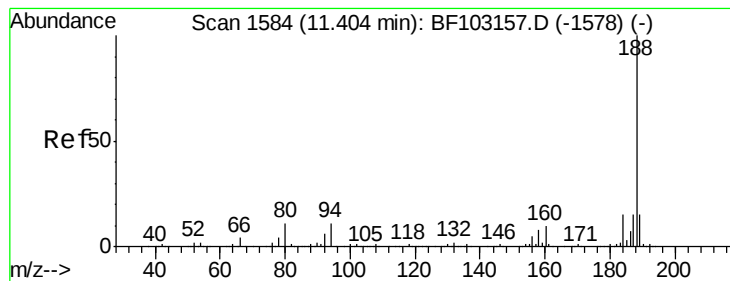
#54
Dibenzofuran
Concen: 2.12 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:168 Resp: 39489
Ion Ratio Lower Upper
168 100
139 41.1 30.1 45.1
169 14.2 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF103584.D

Acq: 12 Mar 2018 16:13

Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-4-5-201802

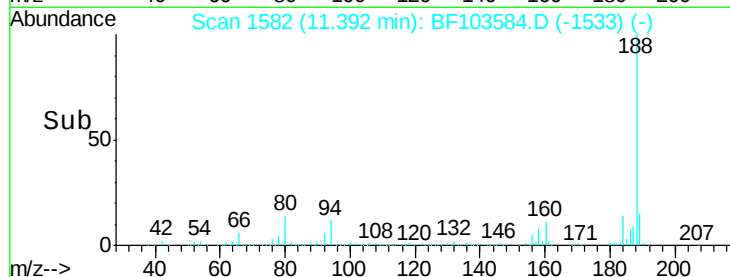
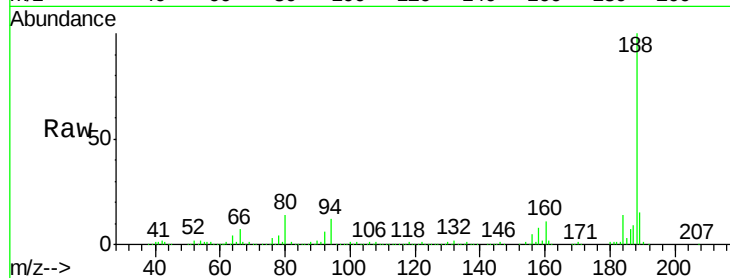
Tot Ion:188 Resp: 329939

Ion Ratio Lower Upper

188 100

94 12.0 8.5 12.7

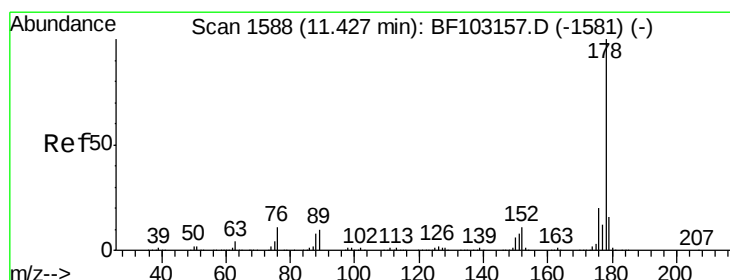
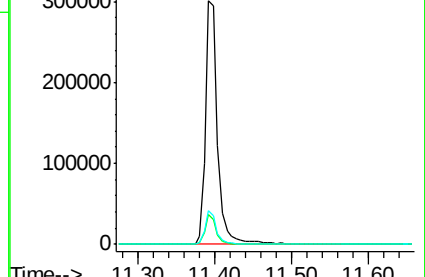
80 13.8 9.2 13.8



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



#70

Phenanthrene

Concen: 2.71 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103584.D

Acq: 12 Mar 2018 16:13

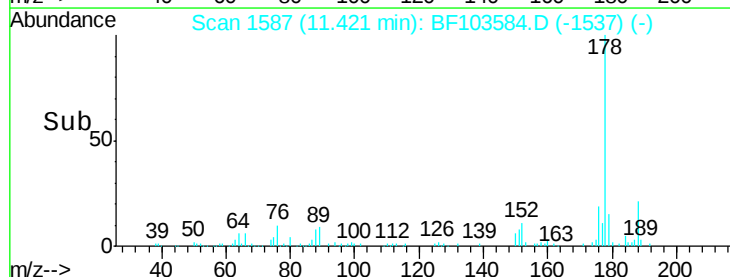
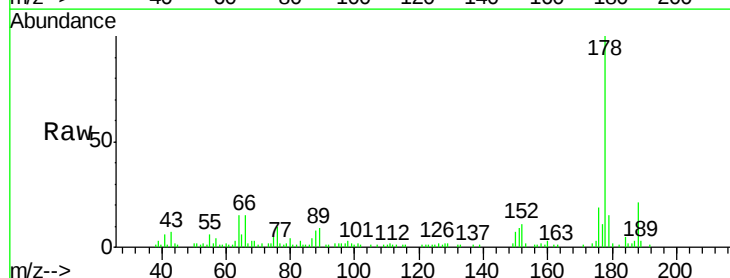
Tgt Ion:178 Resp: 49125

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

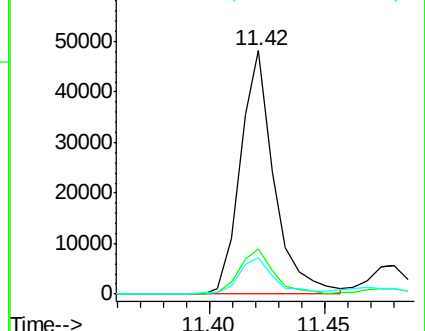
179 15.1 13.0 19.6

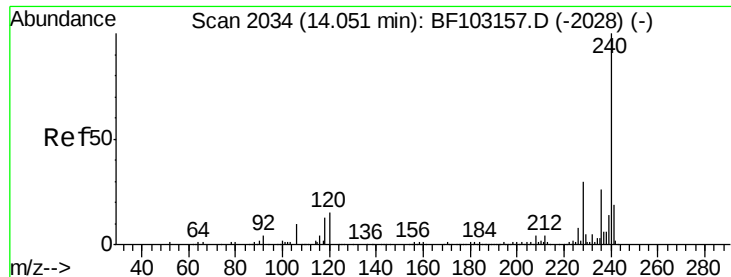


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103584.D

Acq: 12 Mar 2018 16:13

Instrument :

BNA_F

ClientSampleId :

AMENDED-COMPOSITE-4-5-201802

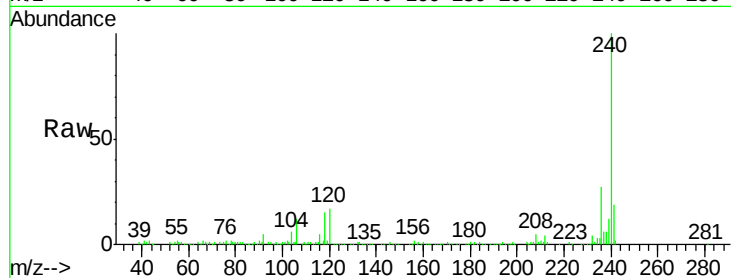
Tot Ion:240 Resp: 206651

Ion Ratio Lower Upper

240 100

120 17.4 9.5 14.3#

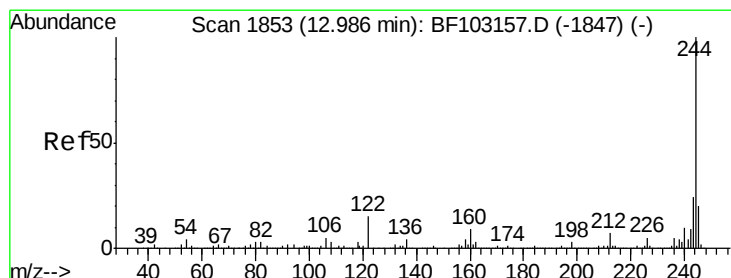
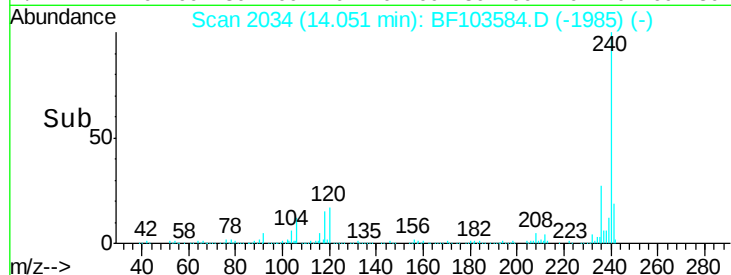
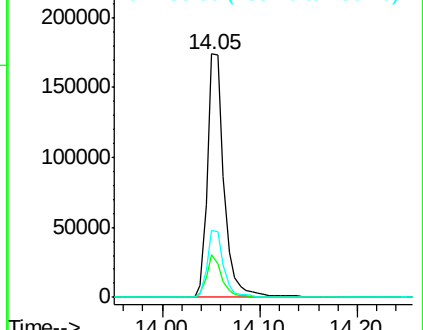
236 27.5 20.7 31.1



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: 102.01 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103584.D

Acq: 12 Mar 2018 16:13

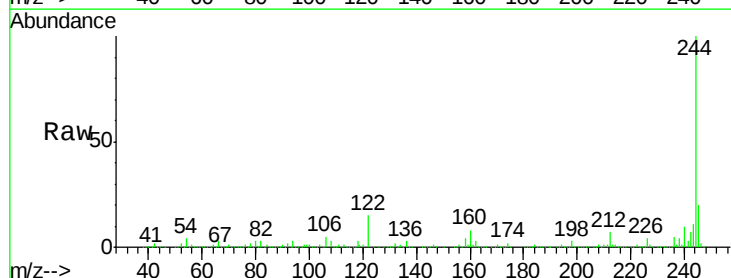
Tgt Ion:244 Resp: 876900

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

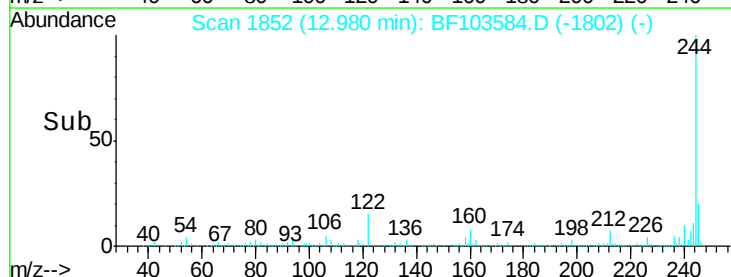
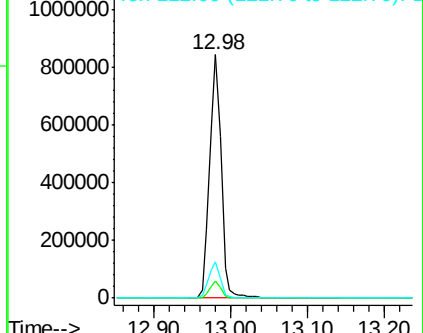
122 15.0 11.0 16.4

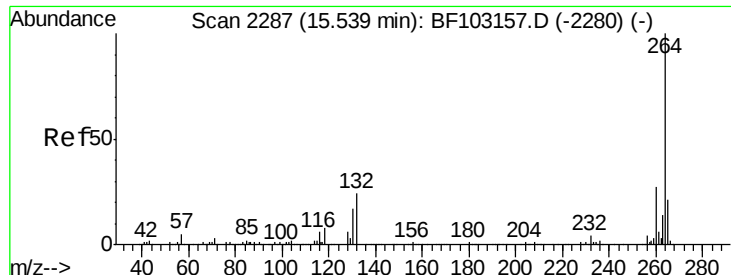


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

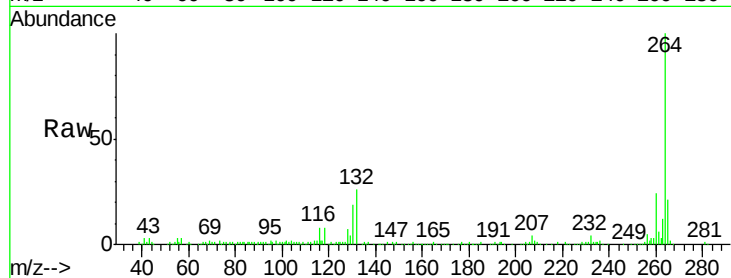




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF103584.D
 Acq: 12 Mar 2018 16:13

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-4-5-201802

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.2	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

