

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
 Data File : BF099768.D
 Acq On : 23 Oct 2017 19:30
 Operator : SJ/JU
 Sample : I5950-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20170723-C-A-COMP2

Quant Time: Oct 23 23:52:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:08:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	104041	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	422606	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	203202	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	347133	20.00	ng	0.00
75) Chrysene-d12	13.97	240	187867	20.00	ng	-0.01
86) Perylene-d12	15.44	264	192076	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	341537	51.54	ng	0.00
7) Phenol-d6	6.45	99	255644	32.53	ng	0.00
23) Nitrobenzene-d5	7.37	82	557854	84.98	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	221422	119.57	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1130656	85.85	ng	0.00
78) Terphenyl-d14	12.92	244	861122	100.17	ng	0.00

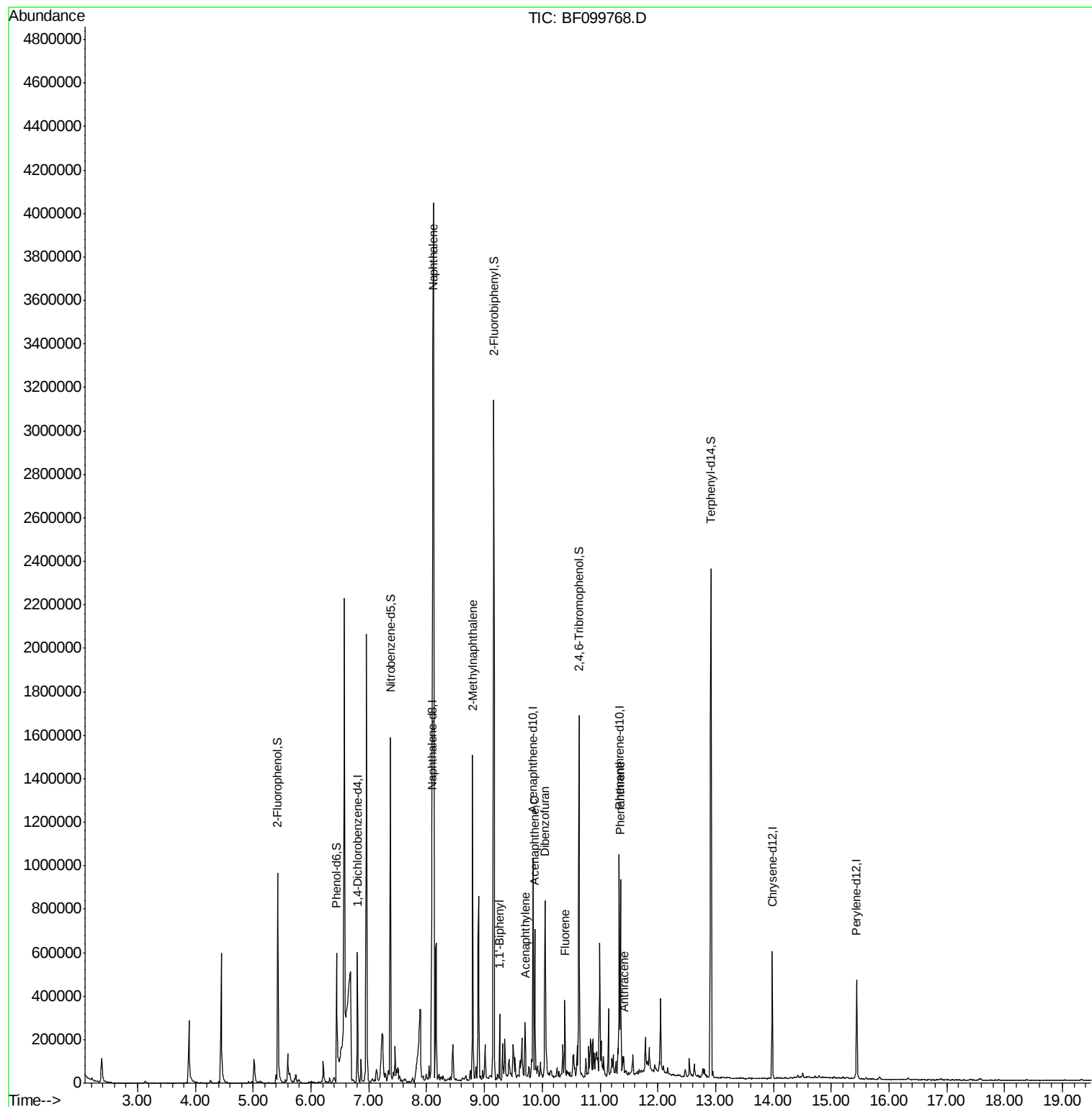
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.12	128	2812847	137.888	ng	99
37) 2-Methylnaphthalene	8.80	142	397146	29.051	ng	99
45) 1,1'-Biphenyl	9.26	154	92643	5.040	ng	97
48) Acenaphthylene	9.70	152	91984	4.474	ng	98
51) Acenaphthene	9.87	154	138863	11.053	ng	99
54) Dibenzofuran	10.05	168	289846	16.344	ng	98
57) Fluorene	10.39	166	97348	6.630	ng	98
70) Phenanthrene	11.36	178	318168	16.241	ng	97
71) Anthracene	11.41	178	39995	2.011	ng	98

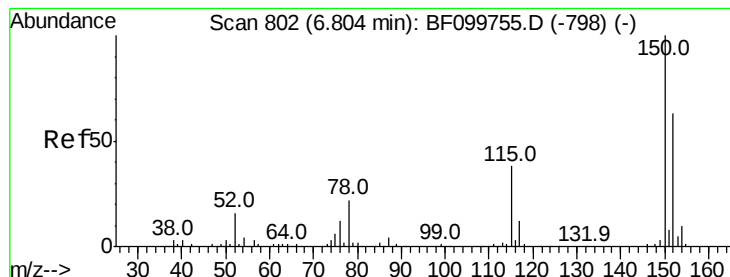
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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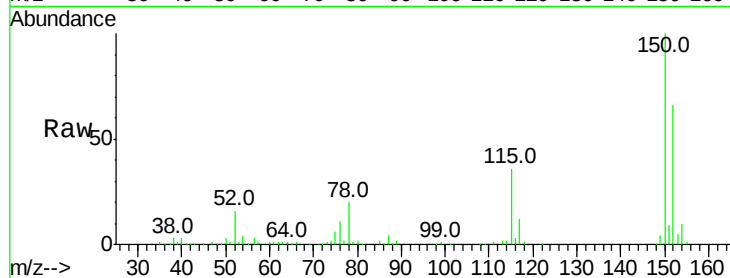


#1

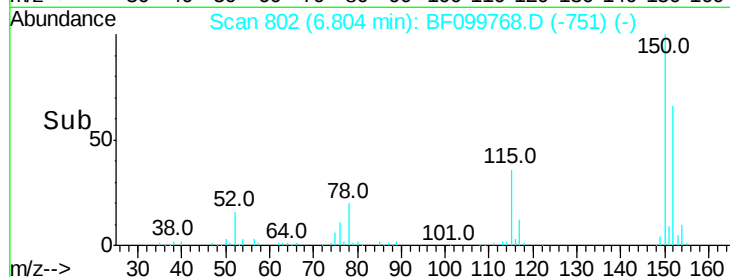
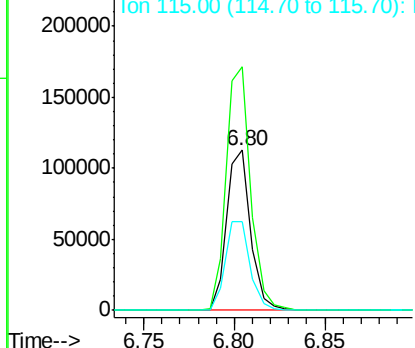
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

Instrument :
BNA_F
ClientSampleId :
20170723-C-A-COMP2

Tot Ion:152 Resp: 104041
Ion Ratio Lower Upper
152 100
150 151.9 124.6 186.8
115 55.4 50.1 75.1



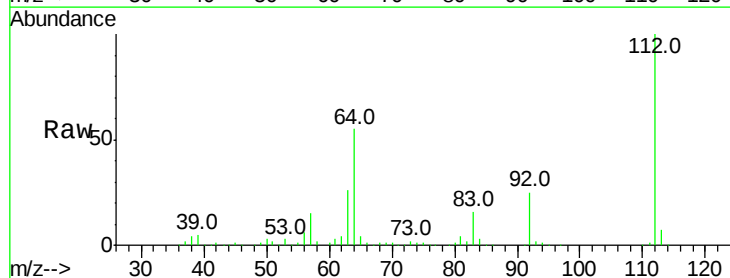
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



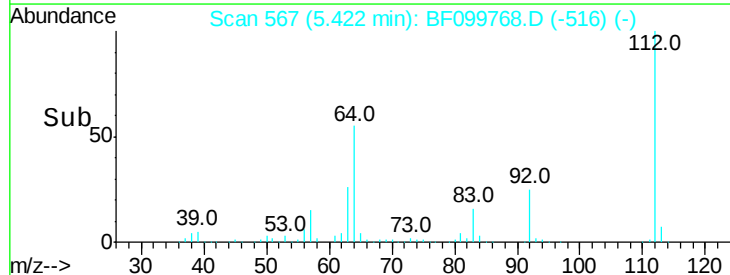
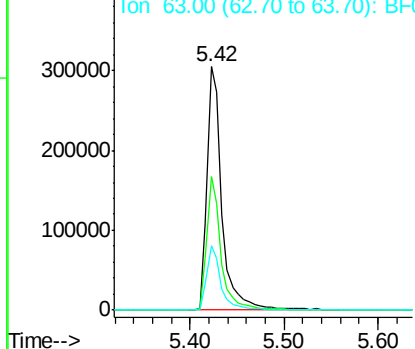
#5

2-Fluorophenol
Concen: 51.538 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

Tgt Ion:112 Resp: 341537
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 26.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.534 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

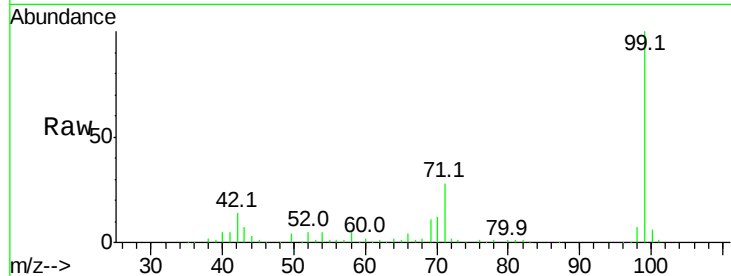
Tot Ion: 99 Resp: 255644

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

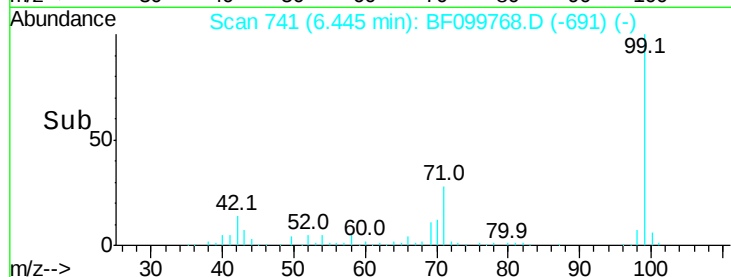
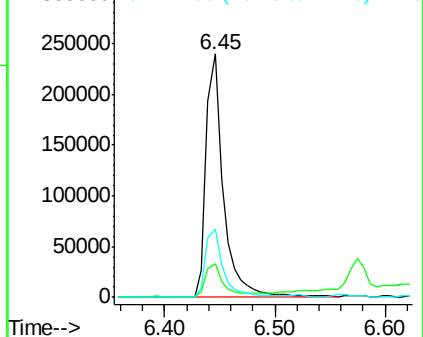
71 28.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Tgt Ion: 136 Resp: 422606

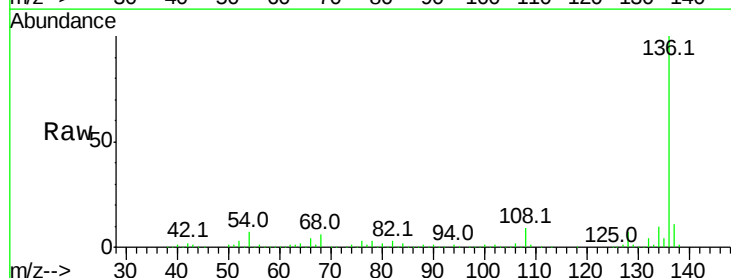
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.7 6.6 9.8

68 5.8 5.0 7.4

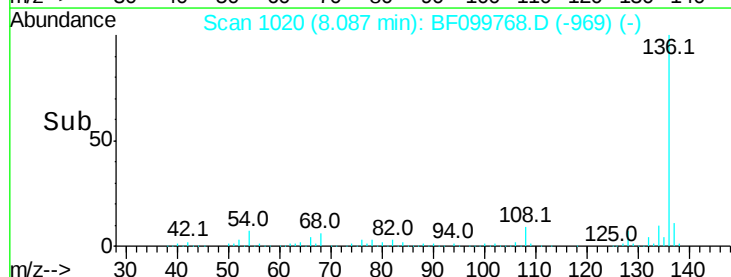
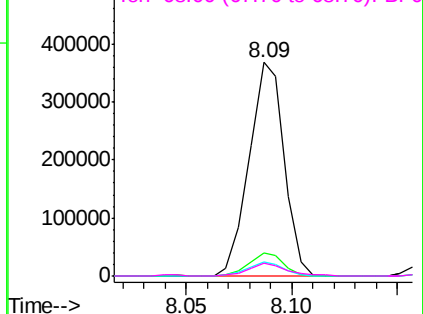


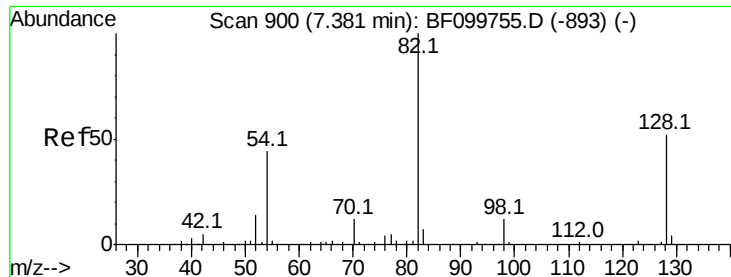
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

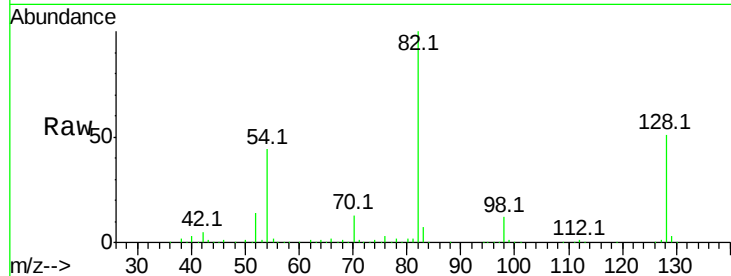




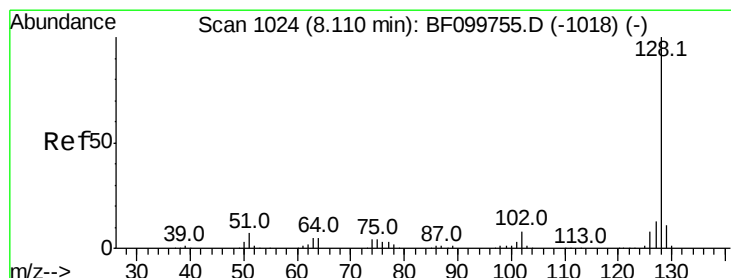
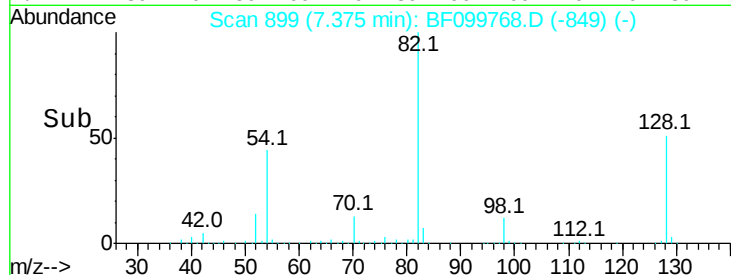
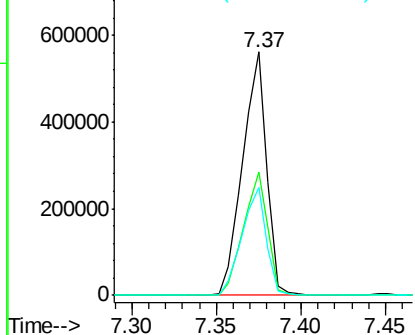
#23
 Nitrobenzene-d5
 Concen: 84.984 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :
 20170723-C-A-COMP2

Tot Ion: 82 Resp: 557854
 Ion Ratio Lower Upper
 82 100
 128 50.5 36.1 54.1
 54 44.3 41.4 62.2

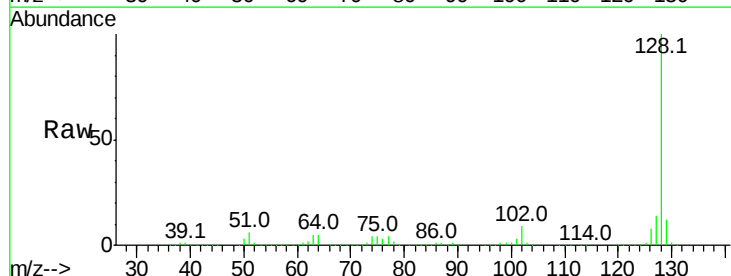


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

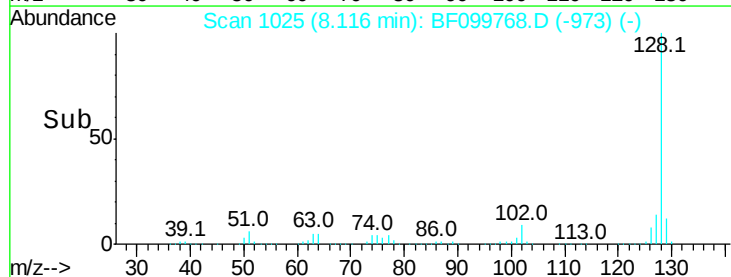
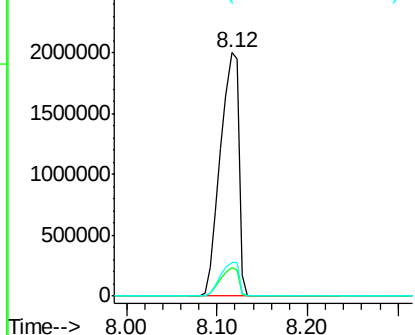


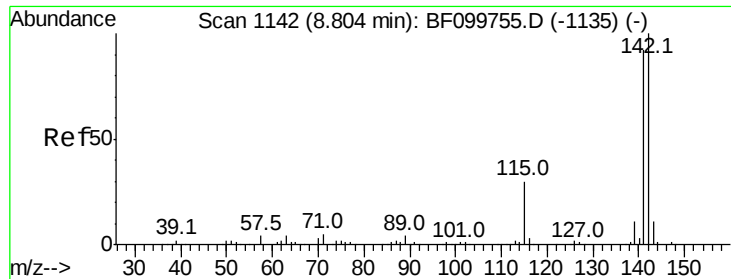
#31
 Naphthalene
 Concen: 137.888 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. 0.01 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Tgt Ion:128 Resp: 2812847
 Ion Ratio Lower Upper
 128 100
 129 11.7 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

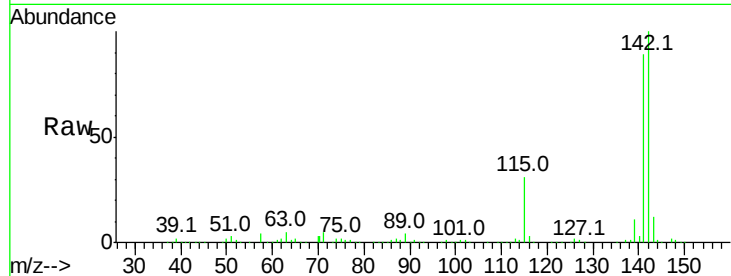




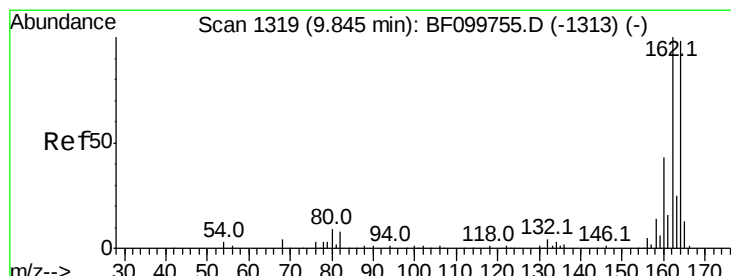
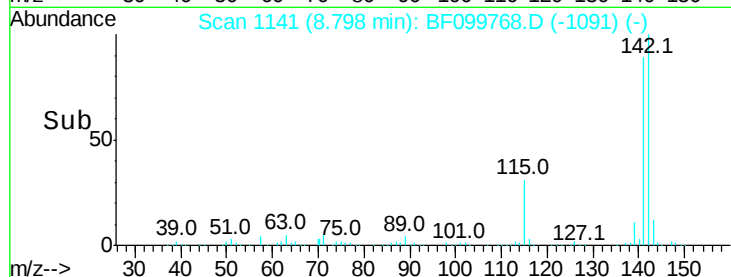
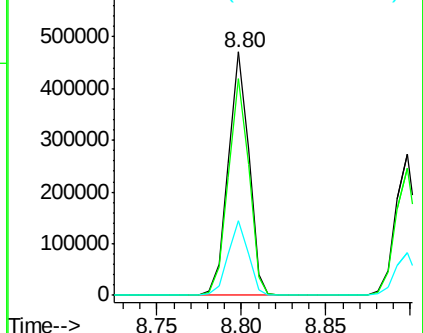
#37
 2-Methylnaphthalene
 Concen: 29.051 ng
 RT: 8.80 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :
 20170723-C-A-COMP2

Tot Ion:142 Resp: 397146
 Ion Ratio Lower Upper
 142 100
 141 88.9 70.8 106.2
 115 30.6 26.1 39.1

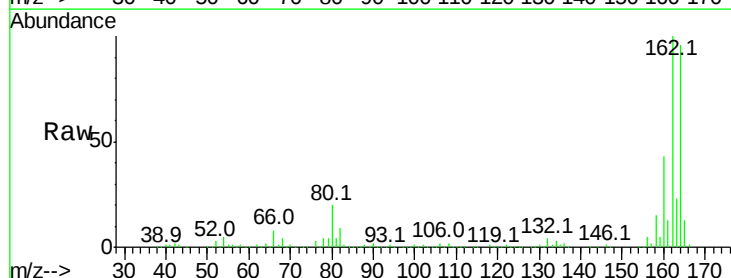


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

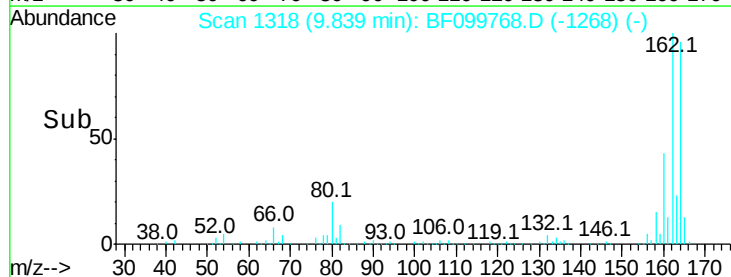
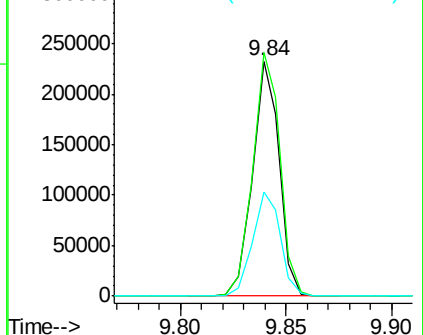


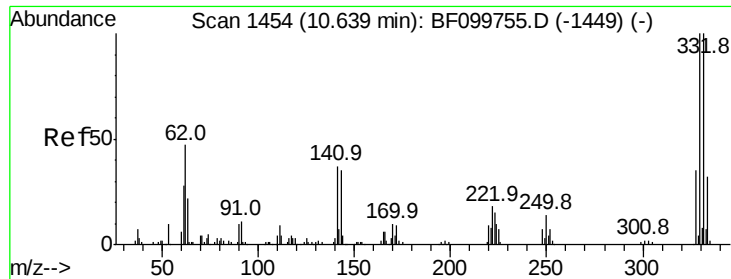
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Tgt Ion:164 Resp: 203202
 Ion Ratio Lower Upper
 164 100
 162 103.6 86.1 129.1
 160 44.2 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

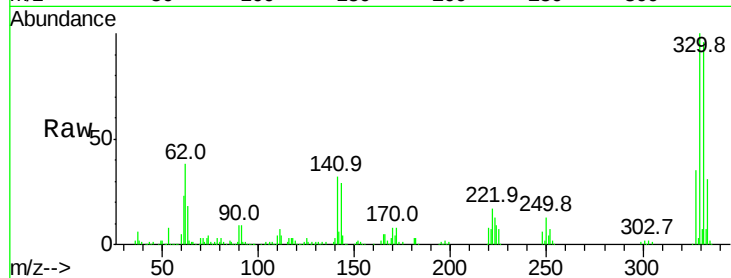




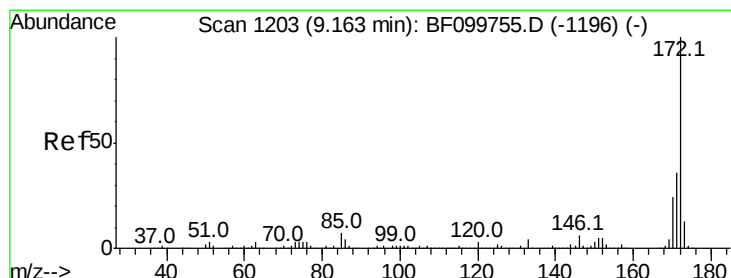
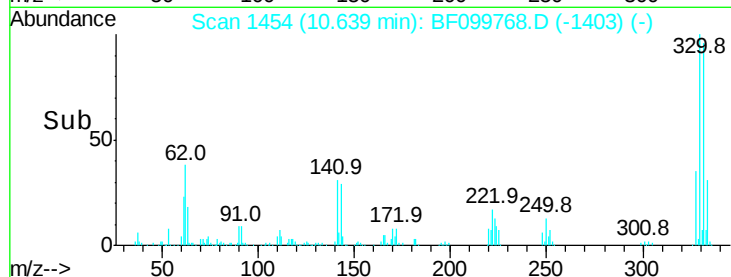
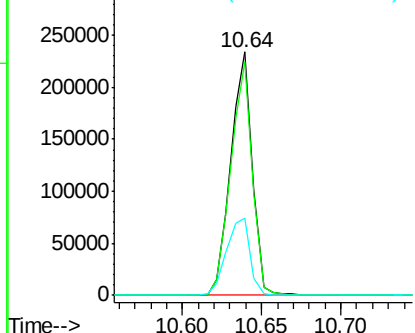
#41
 2,4,6-Tribromophenol
 Concen: 119.570 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Instrument :
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 ClientSampleId :
 20170723-C-A-COMP2

Tot Ion:330 Resp: 221422
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 35.3 29.9 44.9

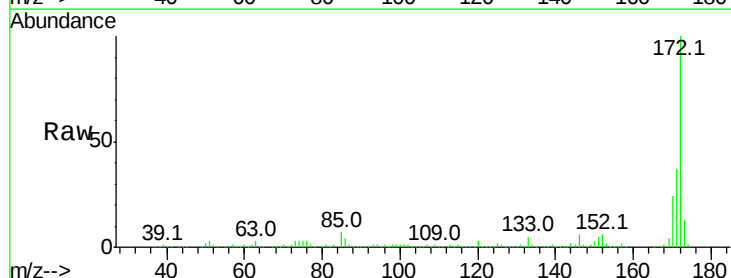


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

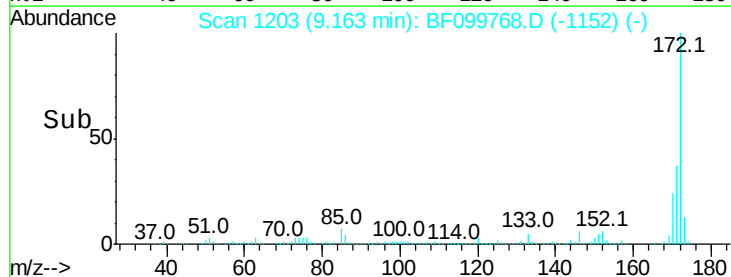
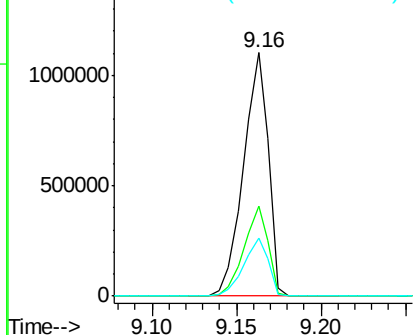


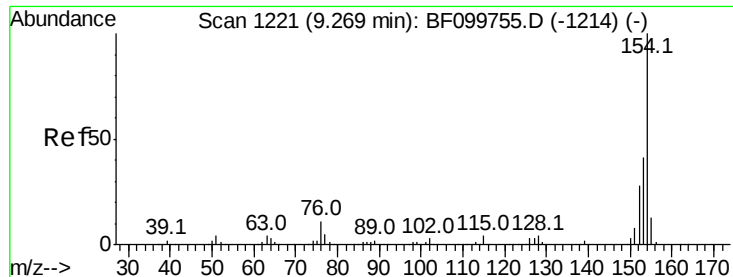
#44
 2-Fluorobiphenyl
 Concen: 85.847 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Tgt Ion:172 Resp: 1130656
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 23.6 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





#45

1,1'-Biphenyl

Concen: 5.040 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

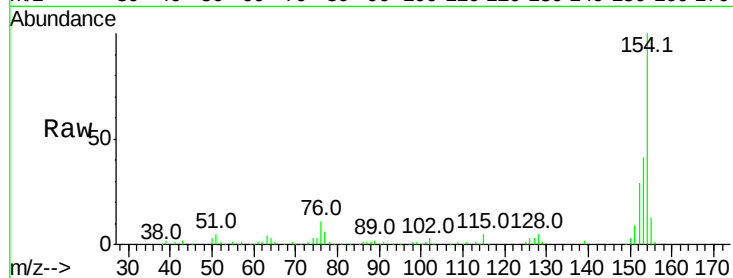
Tot Ion:154 Resp: 92643

Ion Ratio Lower Upper

154 100

153 40.6 21.3 61.3

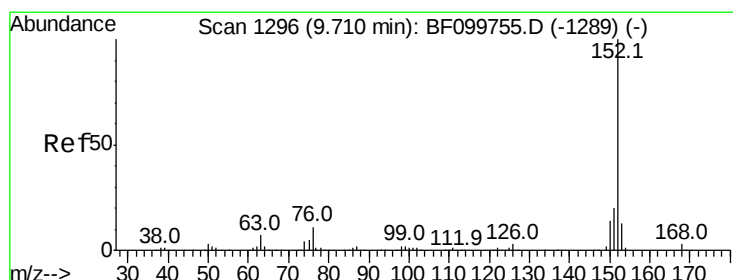
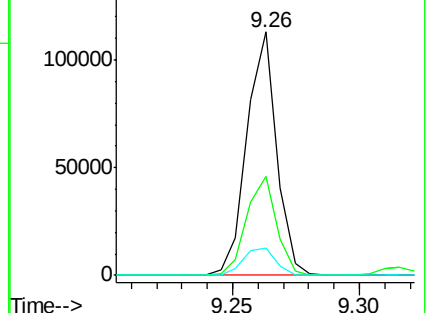
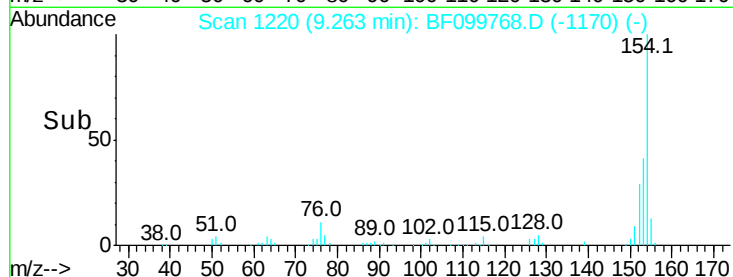
76 11.2 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 4.474 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

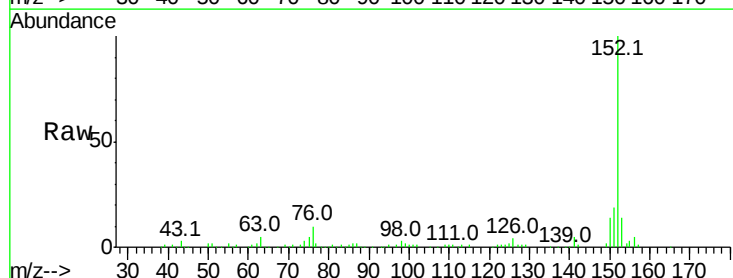
Tgt Ion:152 Resp: 91984

Ion Ratio Lower Upper

152 100

151 19.5 16.3 24.5

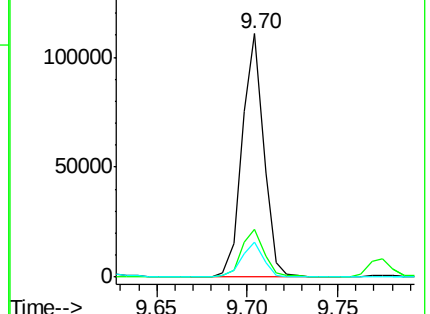
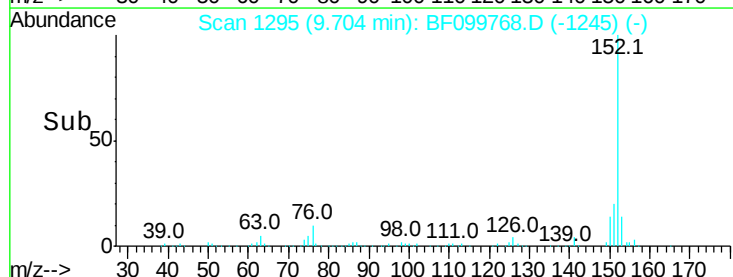
153 14.3 10.7 16.1

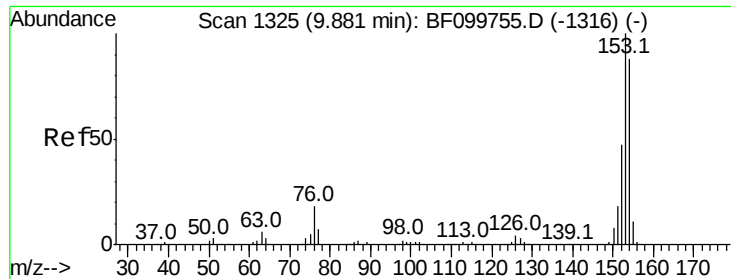


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 11.053 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

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20170723-C-A-COMP2

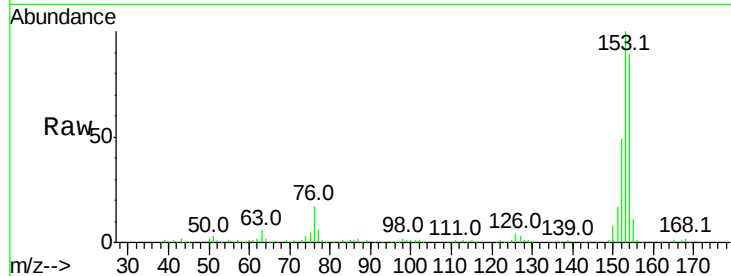
Tot Ion:154 Resp: 138863

Ion Ratio Lower Upper

154 100

153 112.6 91.2 136.8

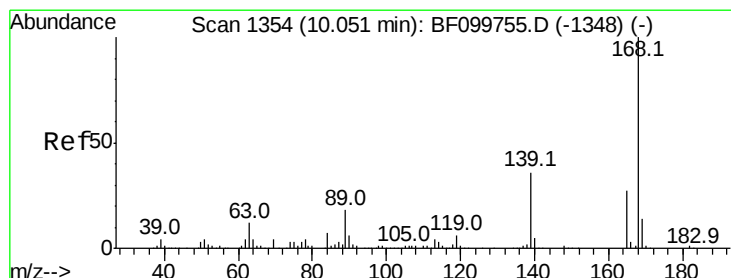
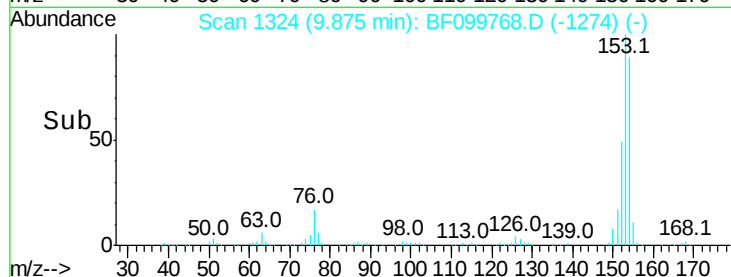
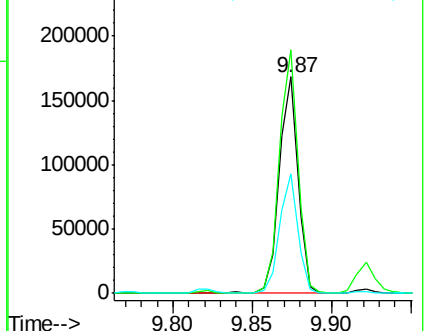
152 55.2 43.8 65.8



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: 16.344 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

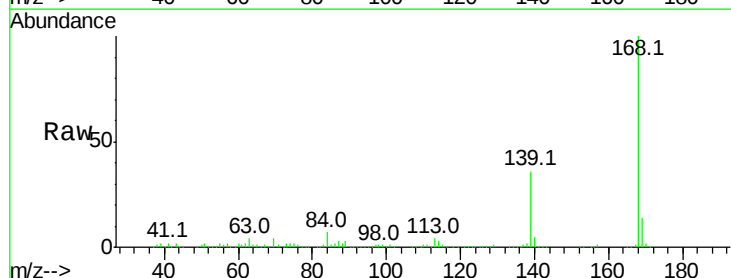
Tgt Ion:168 Resp: 289846

Ion Ratio Lower Upper

168 100

139 36.2 30.1 45.1

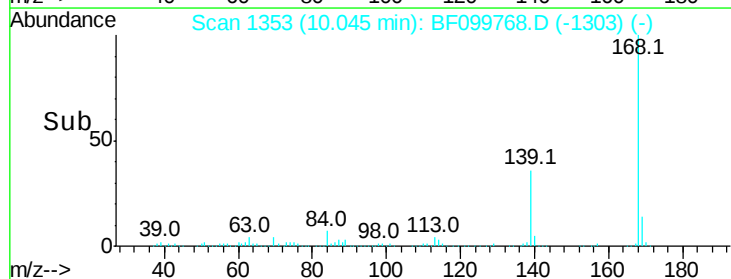
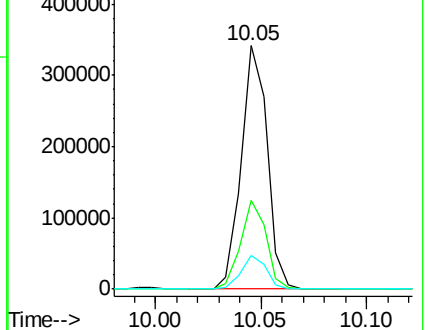
169 13.8 10.9 16.3

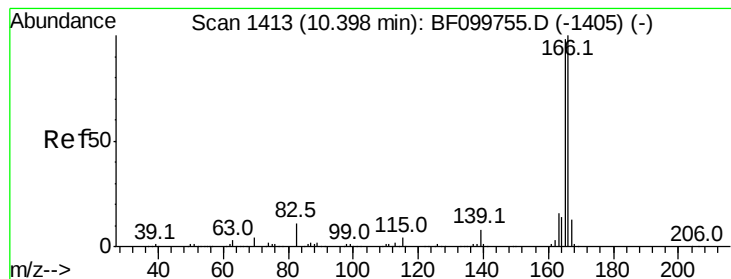


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 6.630 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

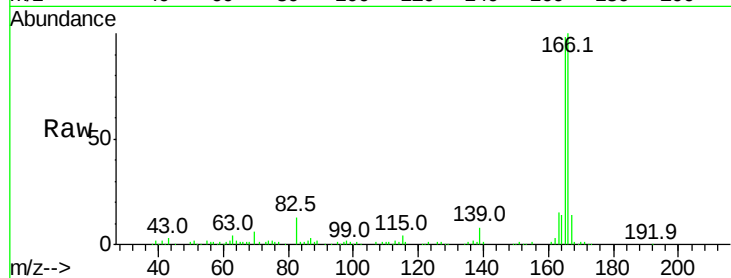
Tot Ion:166 Resp: 97348

Ion Ratio Lower Upper

166 100

165 98.4 79.8 119.8

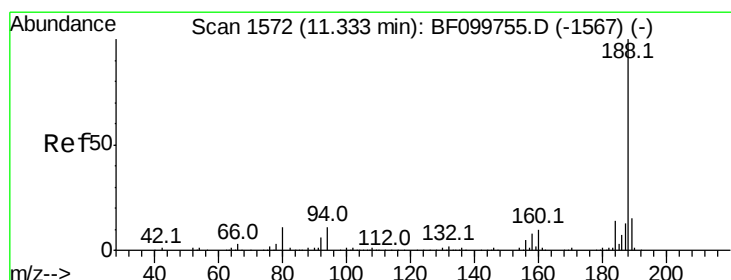
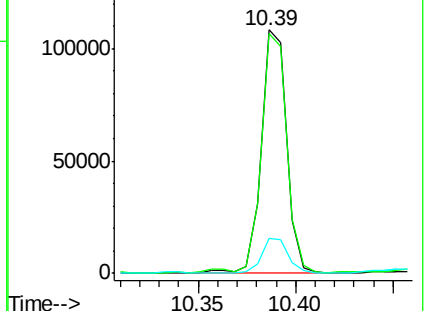
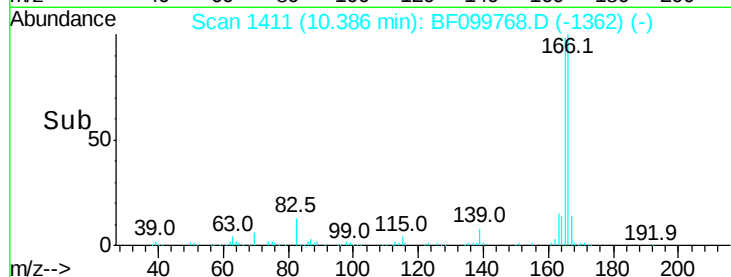
167 14.3 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

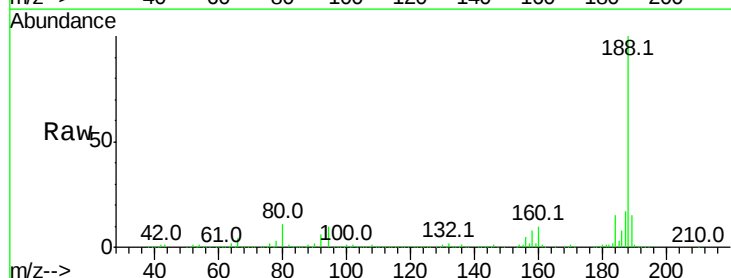
Tgt Ion:188 Resp: 347133

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

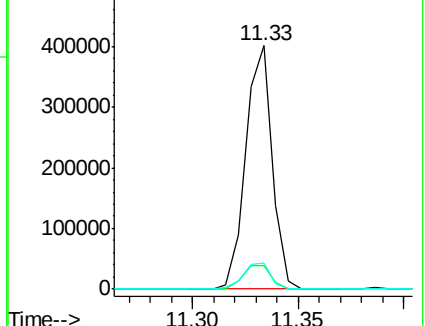
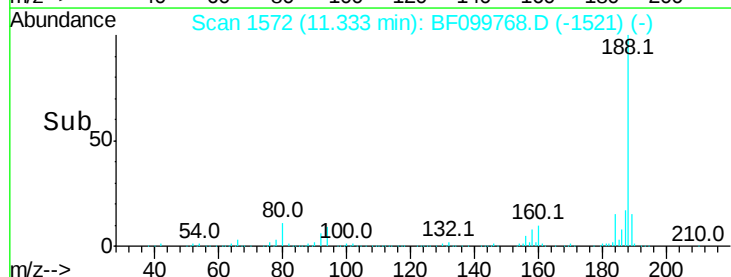
80 10.8 9.2 13.8

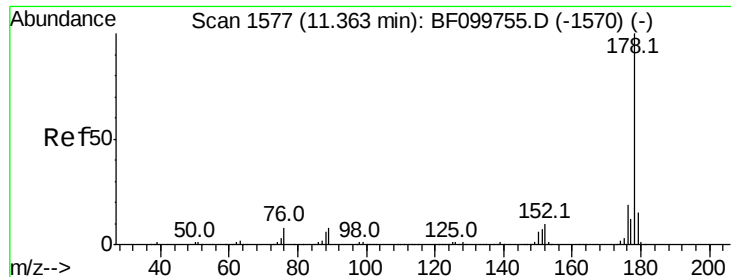


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 16.241 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

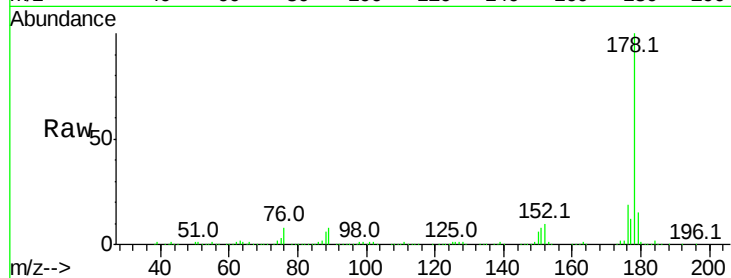
Tot Ion:178 Resp: 318168

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

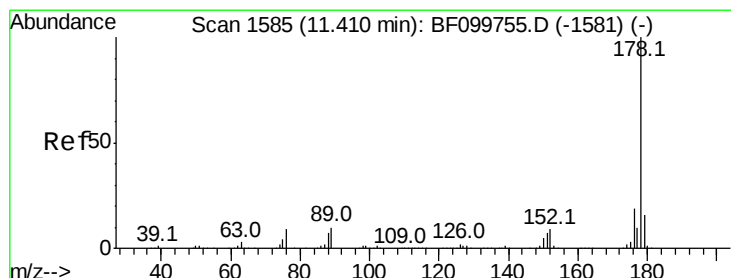
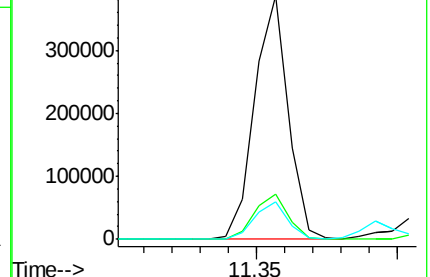
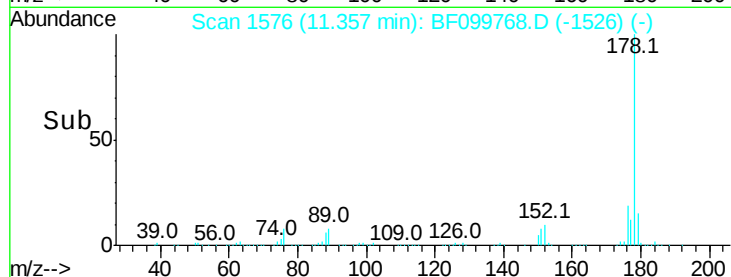
179 15.2 13.0 19.6



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



#71

Anthracene

Concen: 2.011 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

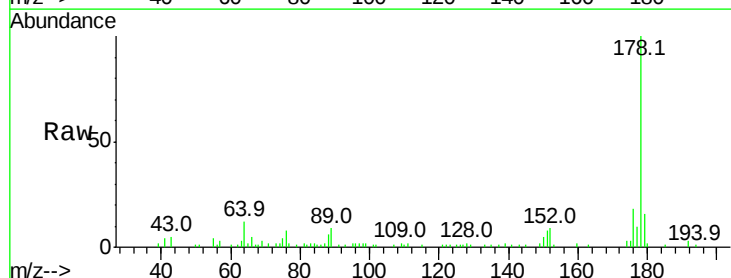
Tgt Ion:178 Resp: 39995

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

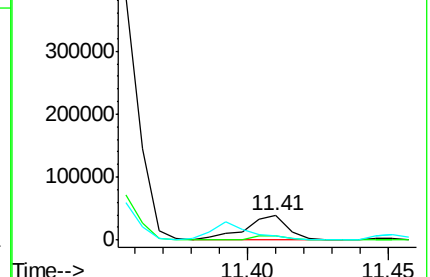
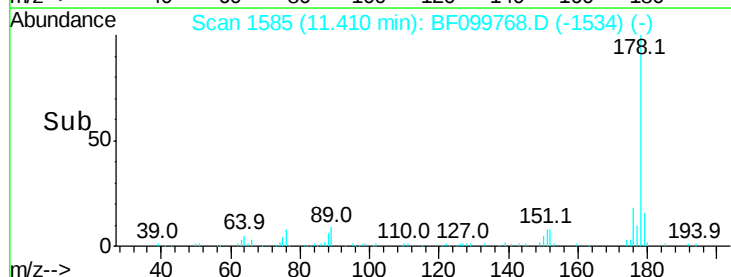
179 16.2 12.6 19.0

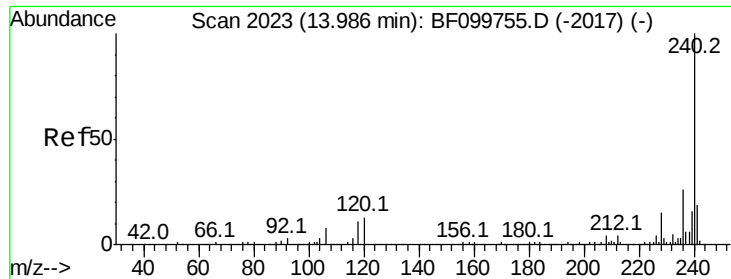


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

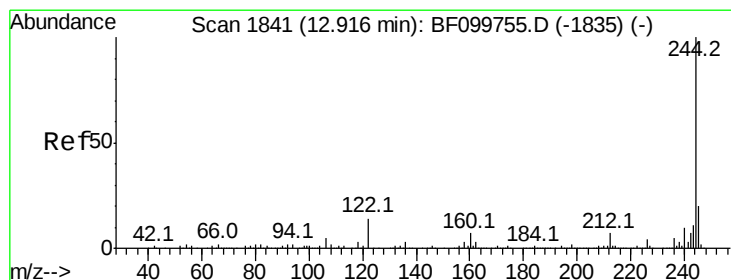
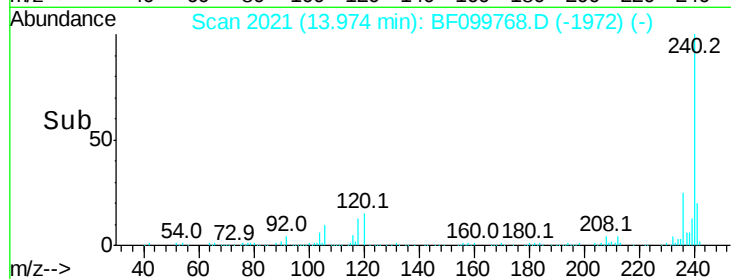
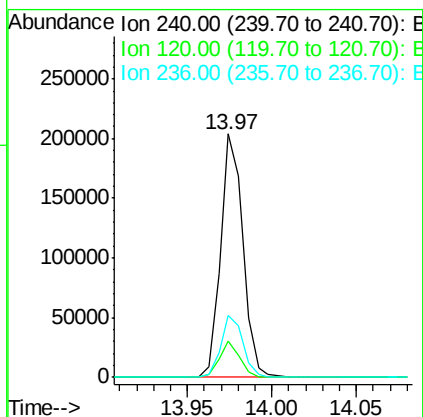
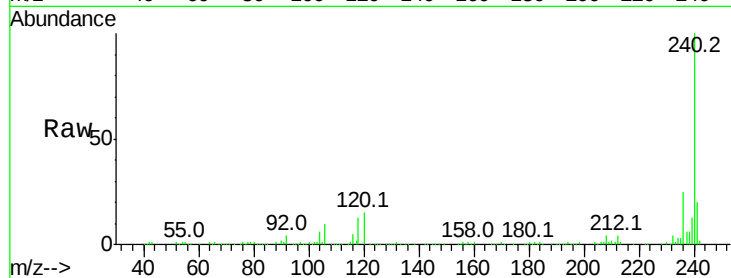




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

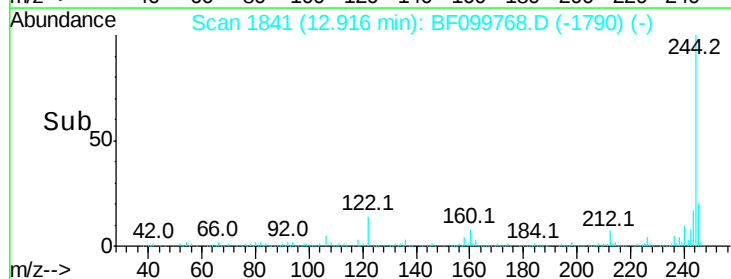
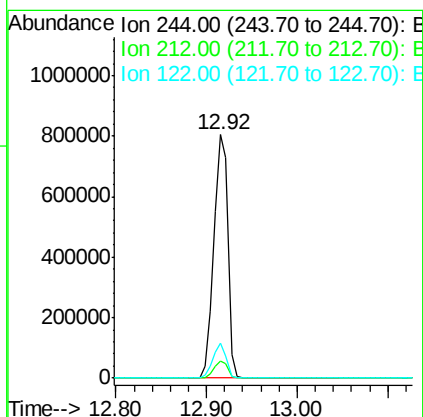
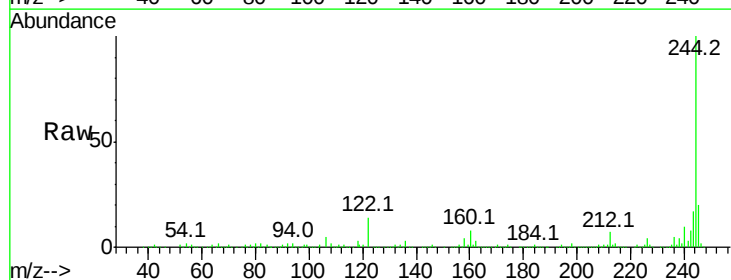
Instrument :
BNA_F
ClientSampleId :
20170723-C-A-COMP2

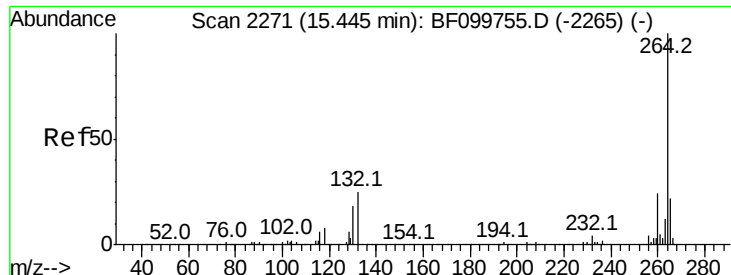
Tot Ion:240 Resp: 187867
Ion Ratio Lower Upper
240 100
120 15.1 9.5 14.3#
236 25.5 20.7 31.1



#78
Terphenyl-d14
Concen: 100.170 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

Tgt Ion:244 Resp: 861122
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 14.2 11.0 16.4

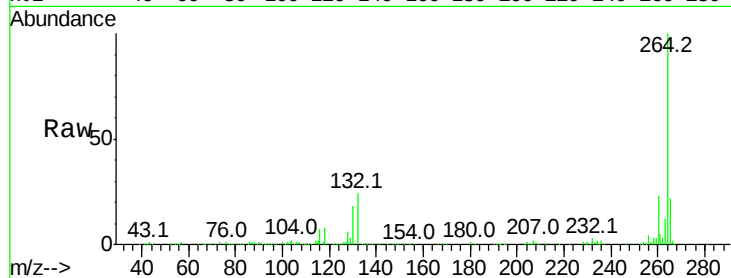




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :
 20170723-C-A-COMP2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.8	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

