

Data Path : Z:\HPCHEM1\BNA_F\Data\BF120915\
 Data File : BF083672.D
 Acq On : 10 Dec 2015 8:15
 Operator : UM/IZ
 Sample : G4582-03DL2 25X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

Quant Time: Dec 10 12:26:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

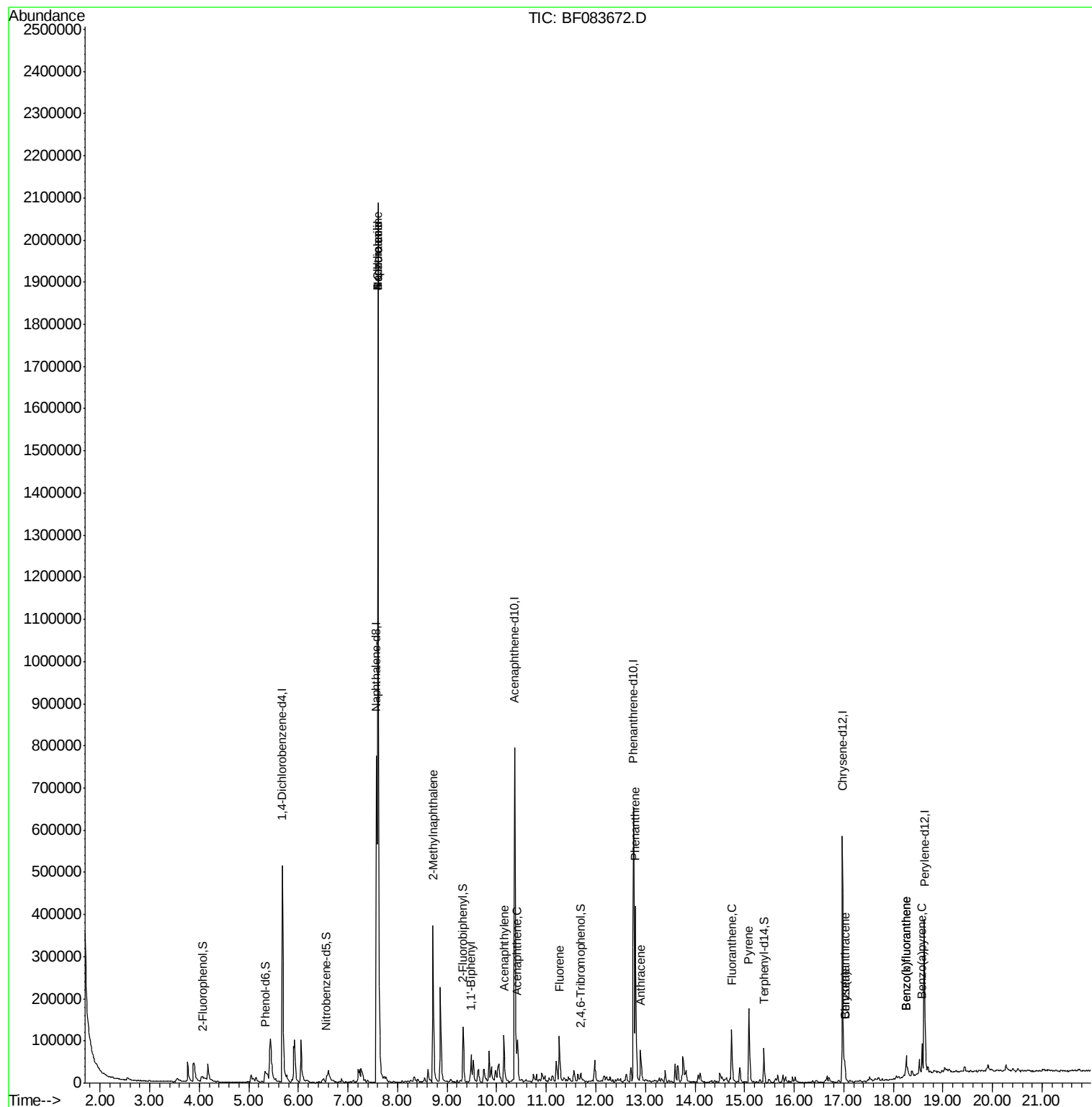
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	124154	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	481589	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	215476	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	335796	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	297176	20.00	ng	-0.02
86) Perylene-d12	18.63	264	234796	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.06	112	26276	3.21	ng	0.09
7) Phenol-d6	5.33	99	47658	4.36	ng	0.06
23) Nitrobenzene-d5	6.57	82	33562	3.25	ng	0.03
41) 2,4,6-Tribromophenol	11.70	330	4294	2.24	ng	0.01
44) 2-Fluorobiphenyl	9.32	172	66697	4.36	ng	-0.02
78) Terphenyl-d14	15.39	244	44322	3.51	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.61	128	1334801	52.33	ng	99
32) Benzoic acid	7.61	122	2528	3.50	ng	# 1
33) 4-Chloroaniline	7.61	127	169975	18.27	ng	# 27
37) 2-Methylnaphthalene	8.72	142	165026	10.30	ng	99
45) 1,1'-Biphenyl	9.48	154	38606	2.06	ng	97
48) Acenaphthylene	10.14	152	83666	3.59	ng	97
51) Acenaphthene	10.42	154	32282	2.42	ng	94
57) Fluorene	11.26	166	59515	3.68	ng	98
70) Phenanthrene	12.80	178	271026	14.05	ng	98
71) Anthracene	12.90	178	64707	3.24	ng	98
74) Fluoranthene	14.74	202	98513	4.99	ng	97
77) Pyrene	15.08	202	140841	6.58	ng	98
80) Benzo(a)anthracene	17.03	228	36844	2.12	ng	92
82) Chrysene	17.03	228	36844	2.11	ng	96
87) Benzo(b)fluoranthene	18.26	252	35433	2.65	ng	97
88) Benzo(k)fluoranthene	18.26	252	35433	2.41	ng	95
89) Benzo(a)pyrene	18.58	252	30083	2.31	ng	98

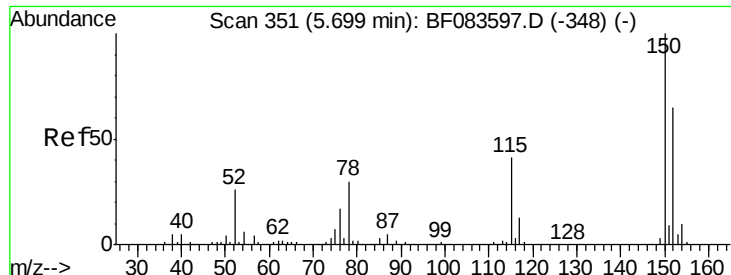
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.68 min Scan# 349

Delta R.T. -0.02 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)DL2

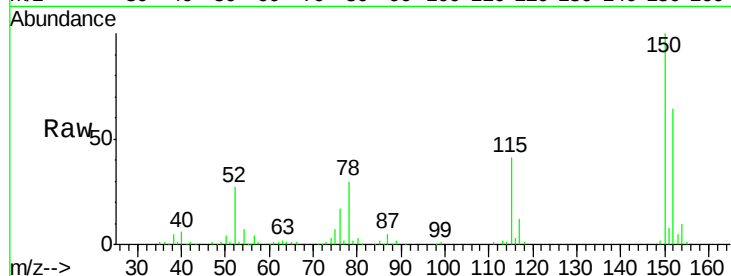
Tgt Ion:152 Resp: 124154

Ion Ratio Lower Upper

152 100

150 156.5 126.5 189.7

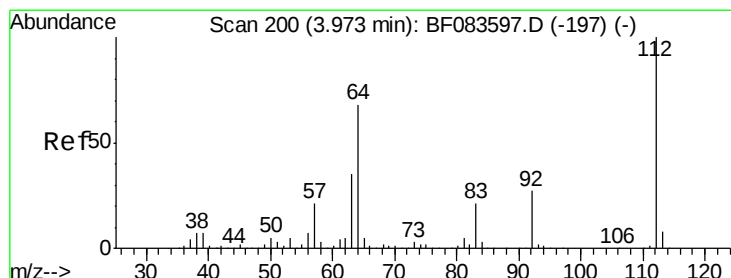
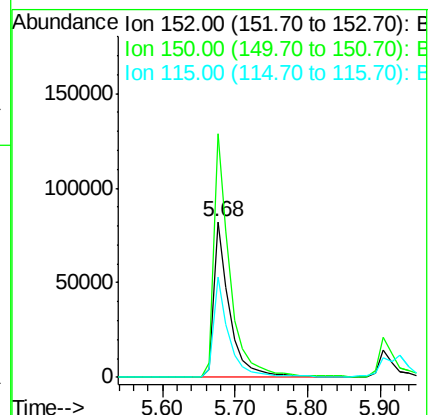
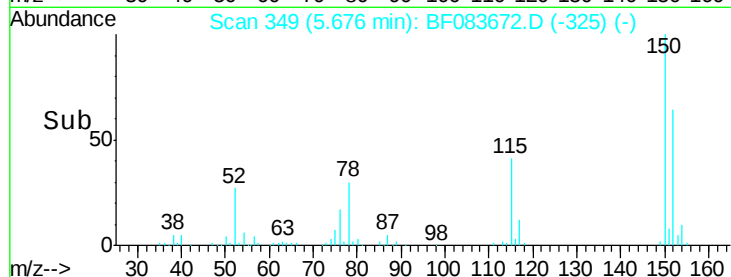
115 64.5 52.3 78.5



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: 3.21 ng

RT: 4.06 min Scan# 208

Delta R.T. 0.09 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

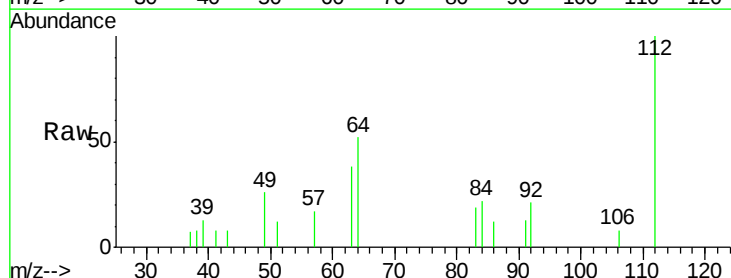
Tgt Ion:112 Resp: 26276

Ion Ratio Lower Upper

112 100

64 52.3 50.5 75.7

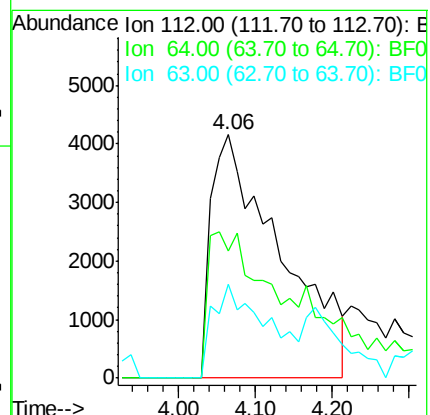
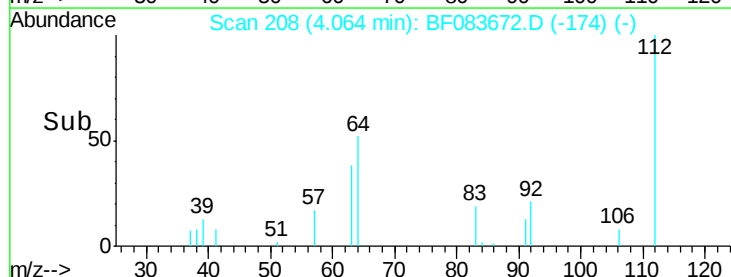
63 38.4 25.8 38.6

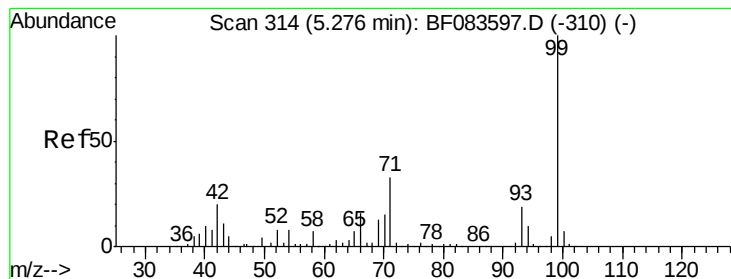


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.36 ng

RT: 5.33 min Scan# 319

Delta R.T. 0.06 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)DL2

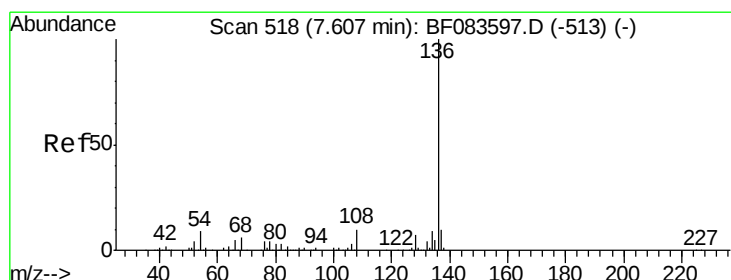
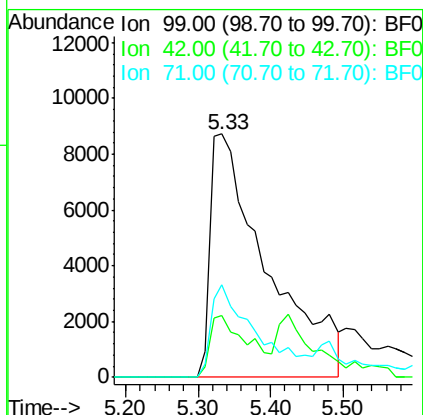
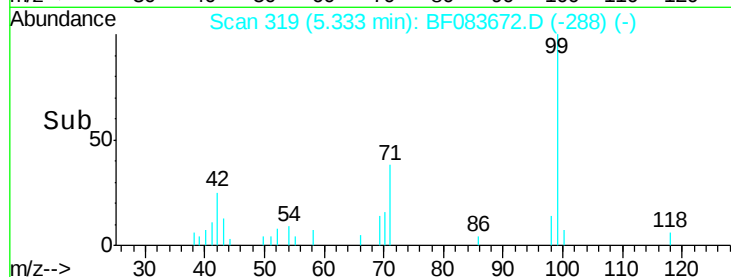
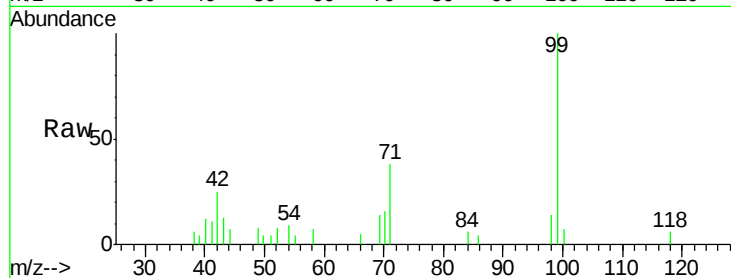
Tgt Ion: 99 Resp: 47658

Ion Ratio Lower Upper

99 100

42 25.2 17.3 25.9

71 38.0 26.6 40.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Tgt Ion: 136 Resp: 481589

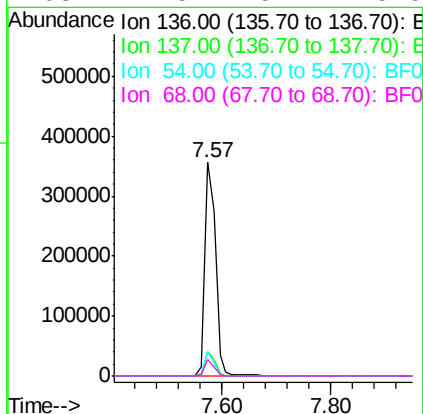
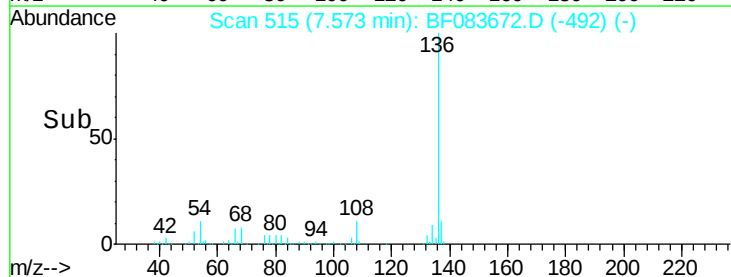
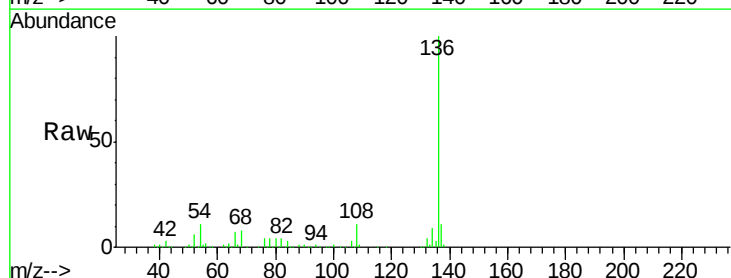
Ion Ratio Lower Upper

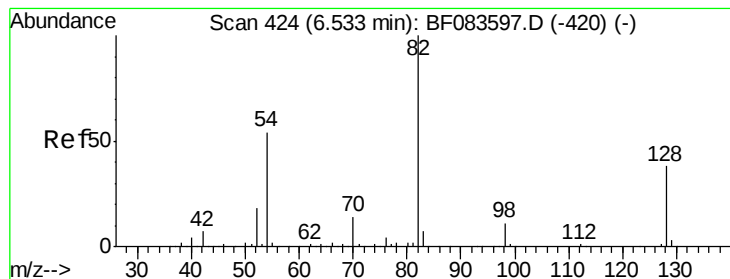
136 100

137 11.3 8.7 13.1

54 11.2 7.8 11.6

68 7.5 5.7 8.5





#23

Nitrobenzene-d5

Concen: 3.25 ng

RT: 6.57 min Scan# 427

Delta R.T. 0.03 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)DL2

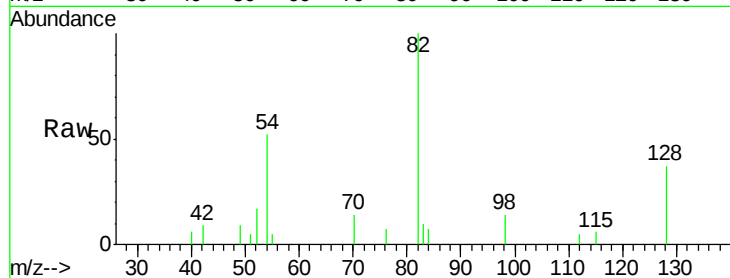
Tgt Ion: 82 Resp: 33562

Ion Ratio Lower Upper

82 100

128 37.0 30.7 46.1

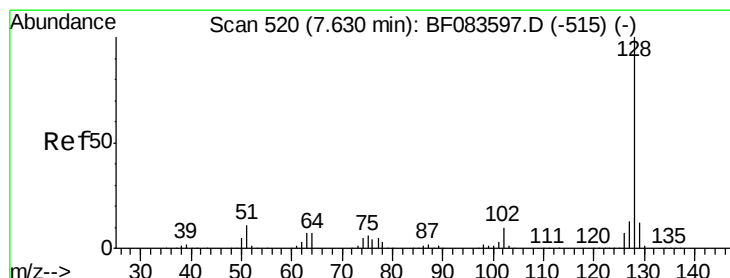
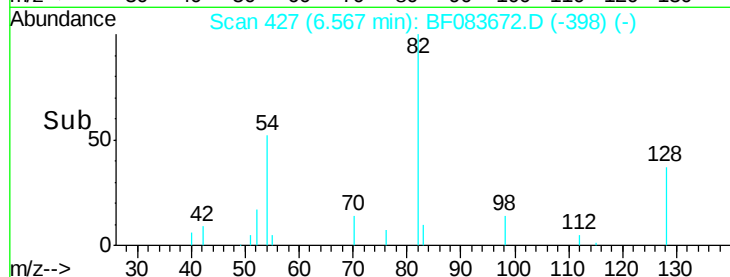
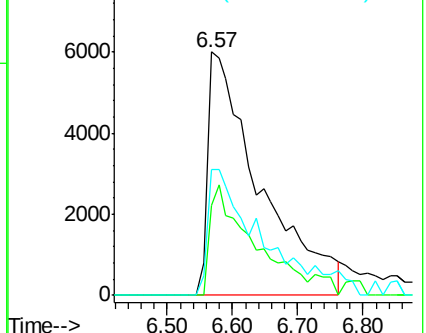
54 51.7 42.5 63.7



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: 52.33 ng

RT: 7.61 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

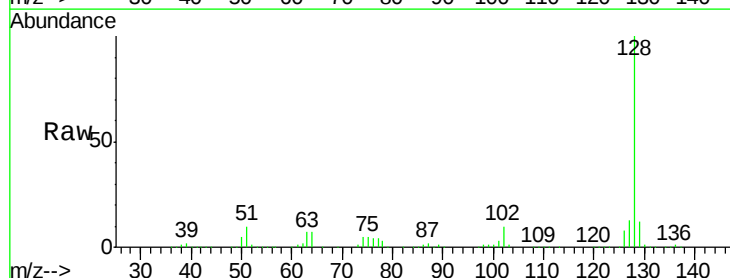
Tgt Ion: 128 Resp: 1334801

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

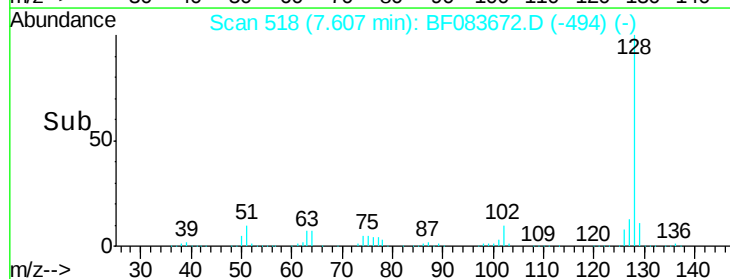
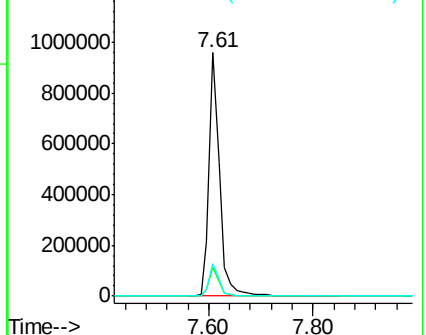
127 13.1 10.6 16.0

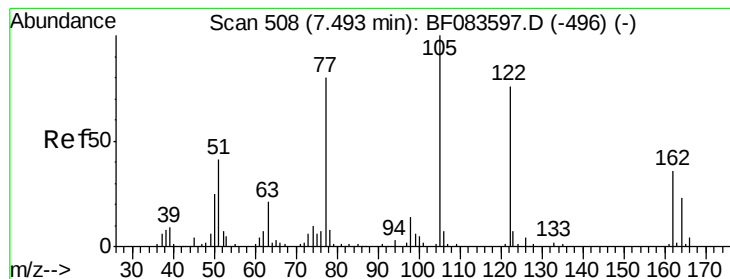


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 3.50 ng

RT: 7.61 min Scan# 518

Delta R.T. 0.12 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

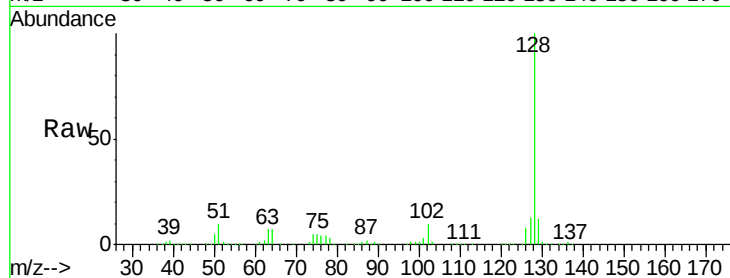
BNA_F

ClientSampleId :

SB-P3WC-02(8-11)DL2

Tgt Ion:122 Resp: 2528

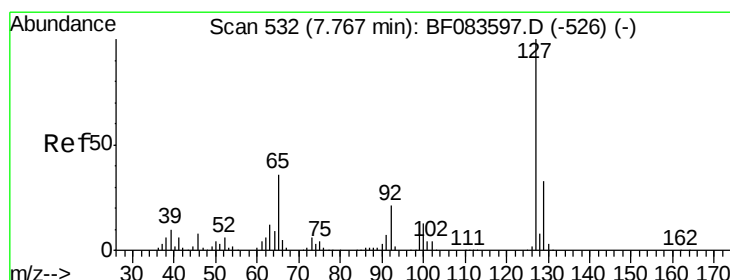
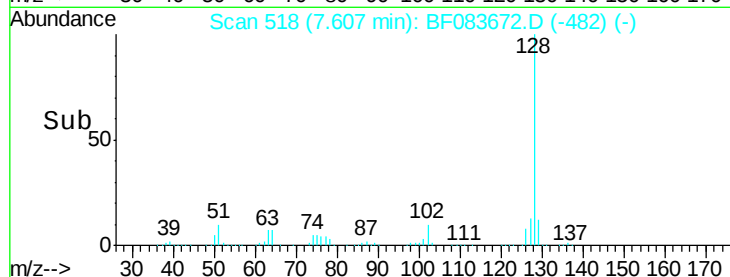
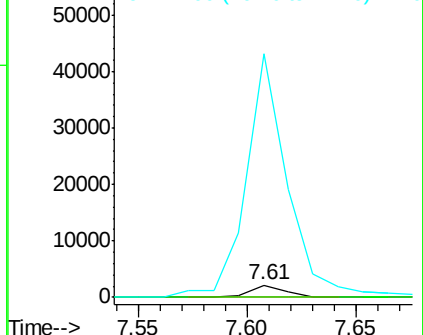
Ion	Ratio	Lower	Upper
122	100		
105	0.0	105.6	145.6#
77	1960.0	86.8	126.8#



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): BF0



#33

4-Chloroaniline

Concen: 18.27 ng

RT: 7.61 min Scan# 518

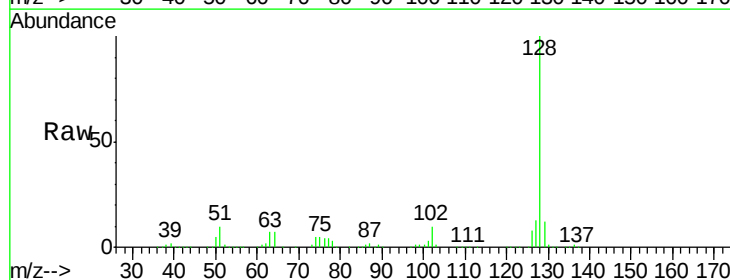
Delta R.T. -0.16 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Tgt Ion:127 Resp: 169975

Ion	Ratio	Lower	Upper
127	100		
129	87.9	26.1	39.1#
65	0.0	33.5	50.3#
92	0.0	18.6	28.0#

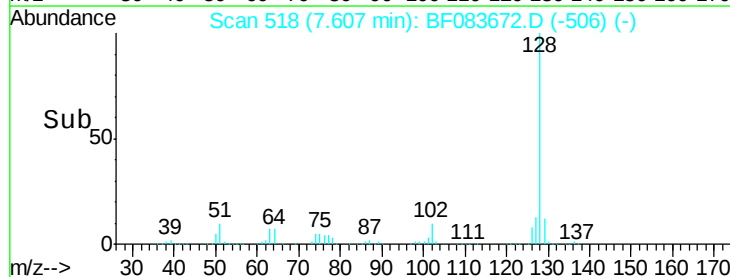
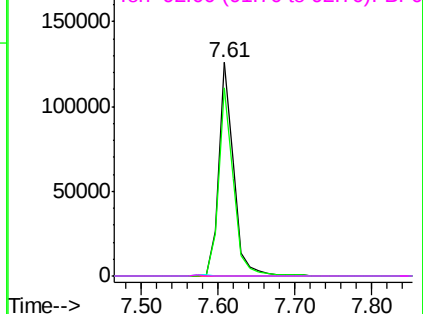


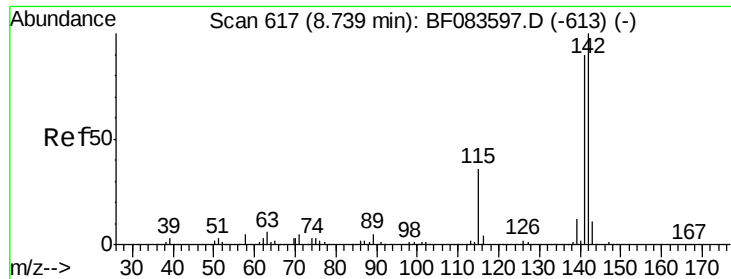
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

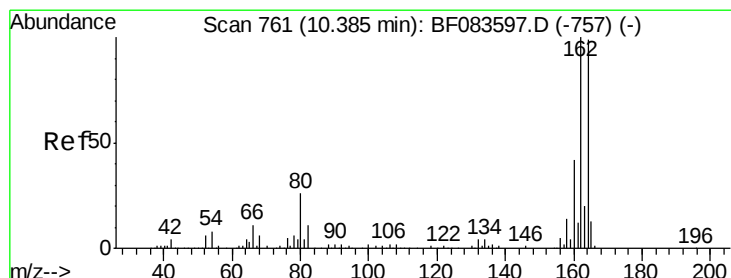
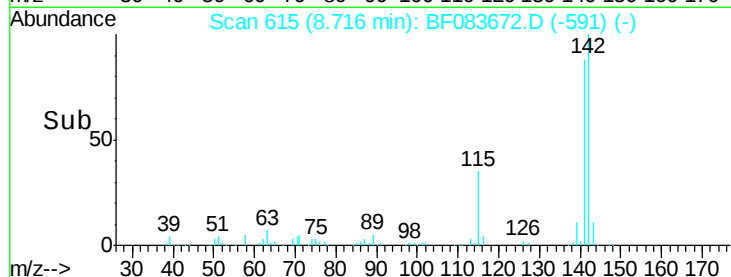
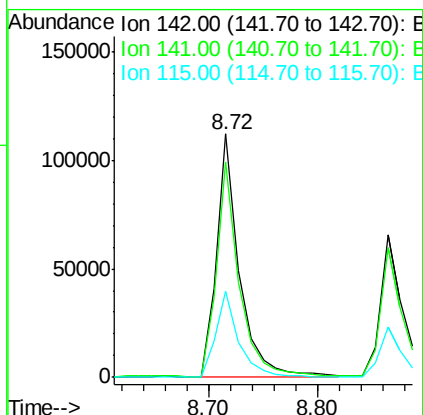
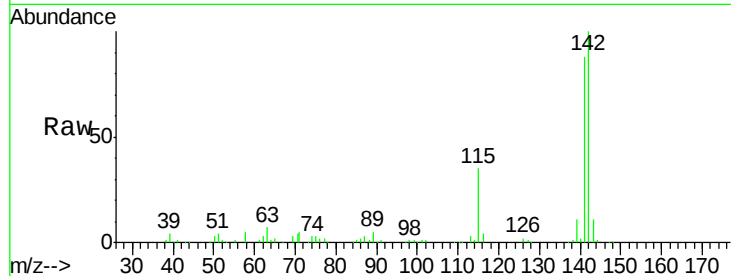




#37
2-Methylnaphthalene
Concen: 10.30 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

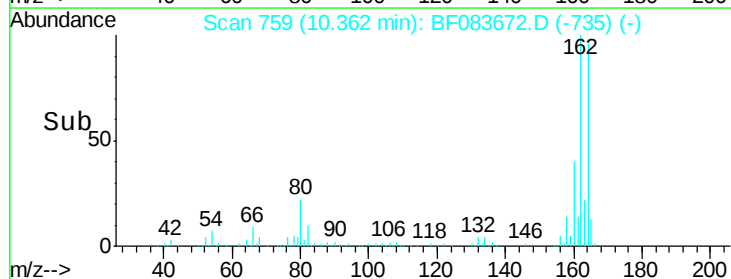
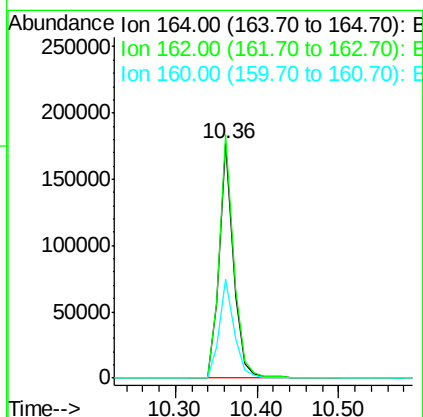
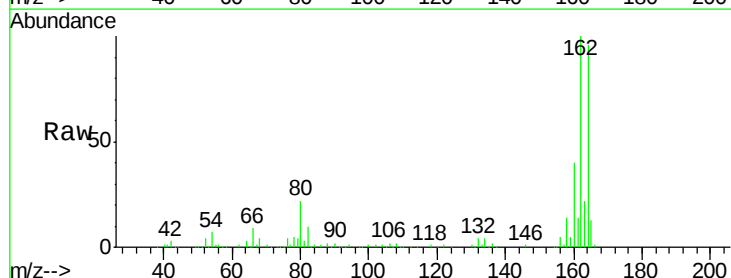
Instrument :
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SB-P3WC-02(8-11)DL2

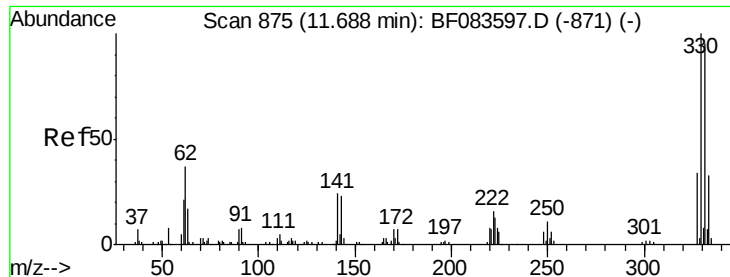
Tgt Ion:142 Resp: 165026
Ion Ratio Lower Upper
142 100
141 88.4 70.3 105.5
115 35.4 29.2 43.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Tgt Ion:164 Resp: 215476
Ion Ratio Lower Upper
164 100
162 103.9 78.8 118.2
160 42.0 33.4 50.2

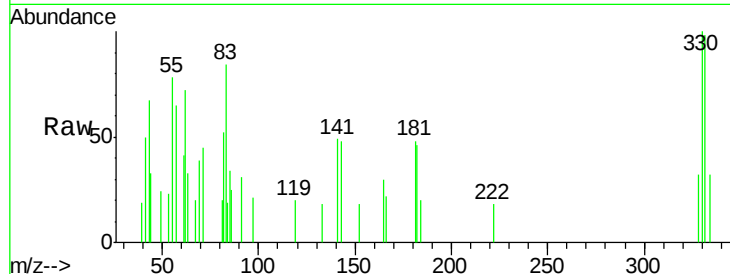




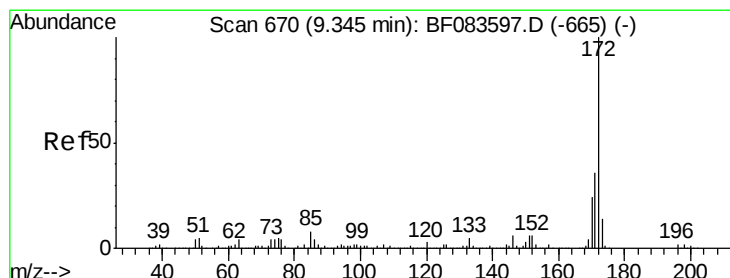
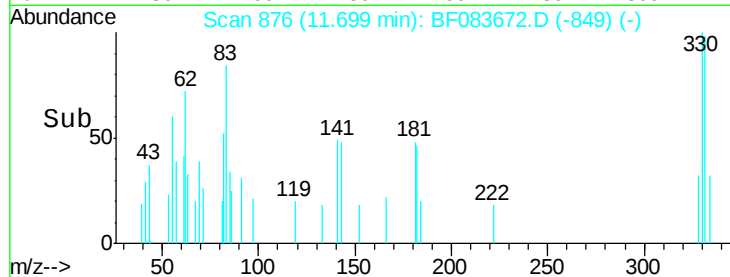
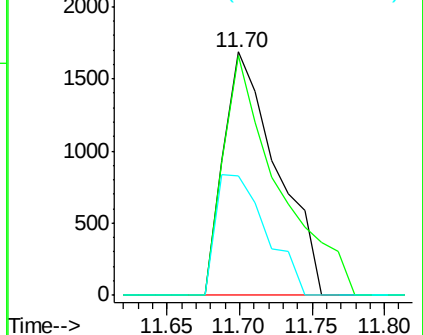
#41
 2,4,6-Tribromophenol
 Concen: 2.24 ng
 RT: 11.70 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

Tgt Ion:330 Resp: 4294
 Ion Ratio Lower Upper
 330 100
 332 101.9 0.0 0.0#
 141 46.7 0.0 0.0#

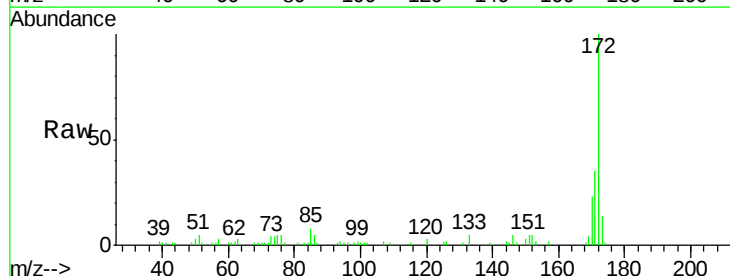


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

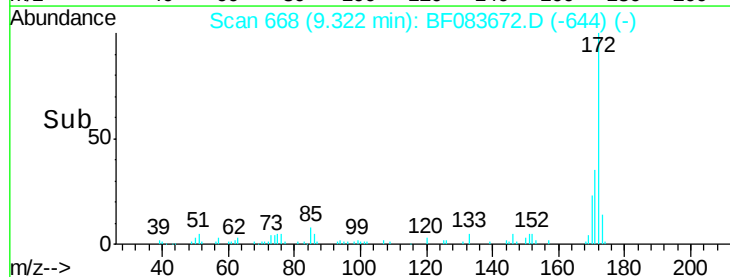
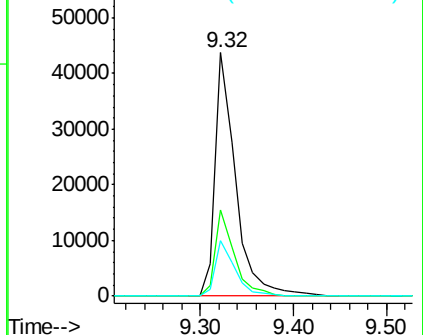


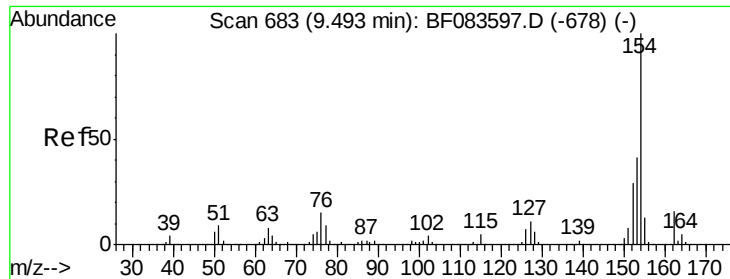
#44
 2-Fluorobiphenyl
 Concen: 4.36 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Tgt Ion:172 Resp: 66697
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 42.8
 170 23.0 19.4 29.0



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

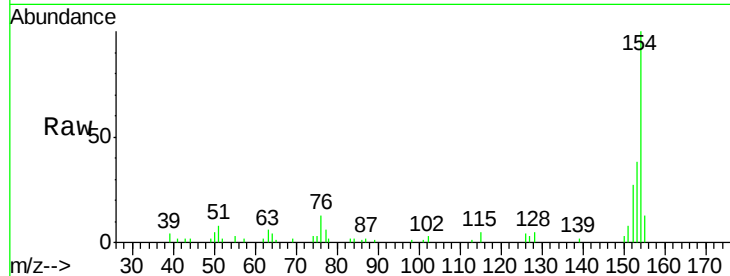




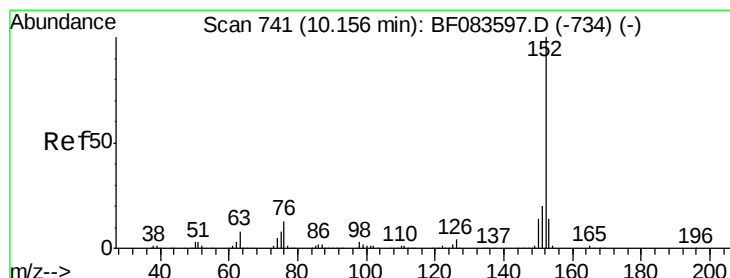
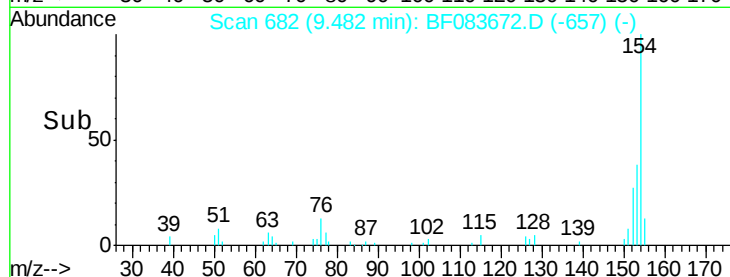
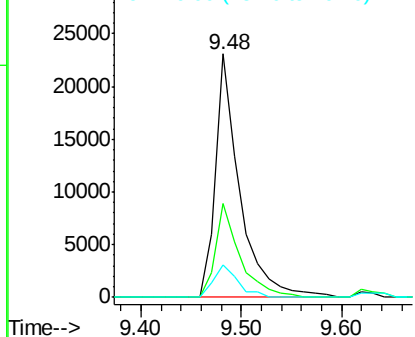
#45
 1,1'-Biphenyl
 Concen: 2.06 ng
 RT: 9.48 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

Tgt Ion:154 Resp: 38606
 Ion Ratio Lower Upper
 154 100
 153 38.4 20.2 60.2
 76 13.3 0.0 34.8

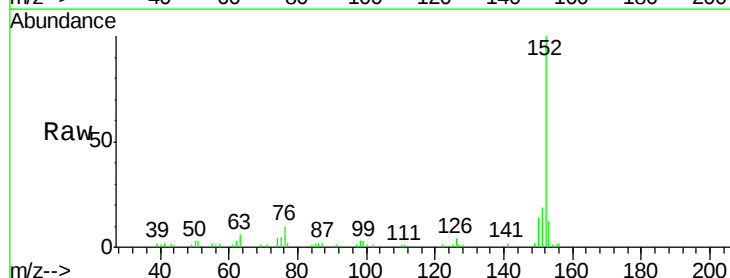


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

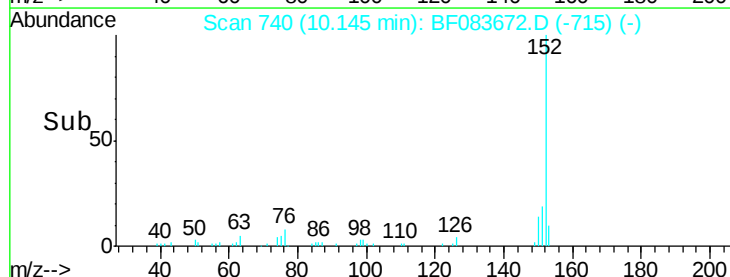
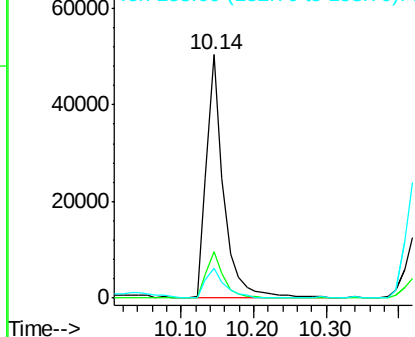


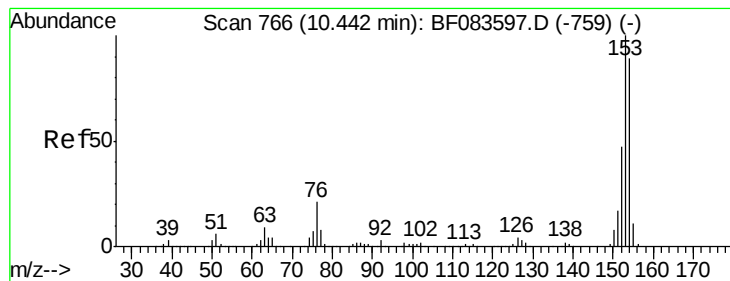
#48
 Acenaphthylene
 Concen: 3.59 ng
 RT: 10.14 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Tgt Ion:152 Resp: 83666
 Ion Ratio Lower Upper
 152 100
 151 19.1 16.3 24.5
 153 12.1 10.8 16.2



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: 2.42 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)DL2

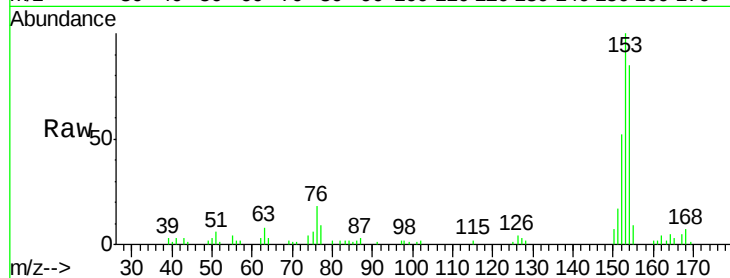
Tgt Ion:154 Resp: 32282

Ion Ratio Lower Upper

154 100

153 117.8 91.4 137.0

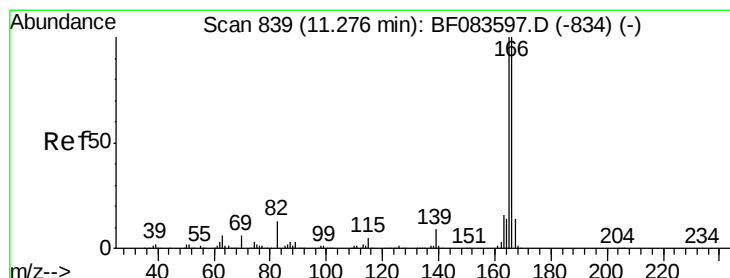
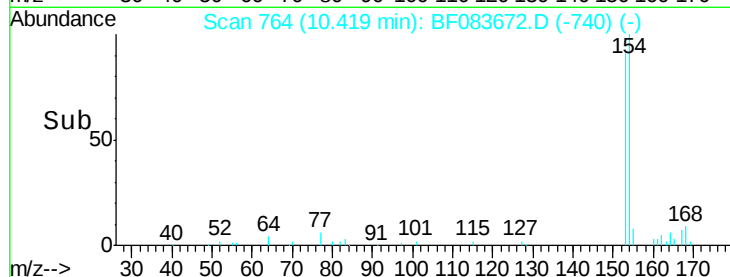
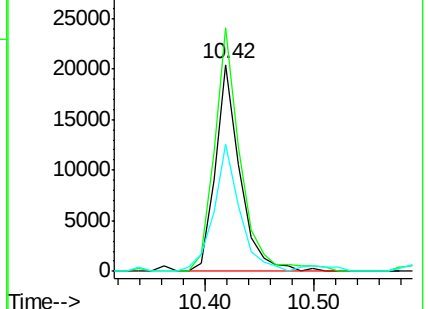
152 61.6 43.4 65.2



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



#57

Fluorene

Concen: 3.68 ng

RT: 11.26 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

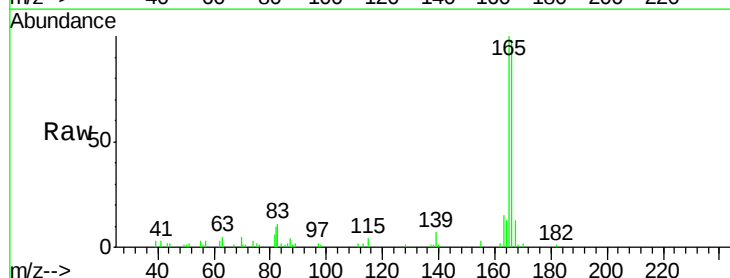
Tgt Ion:166 Resp: 59515

Ion Ratio Lower Upper

166 100

165 101.6 80.0 120.0

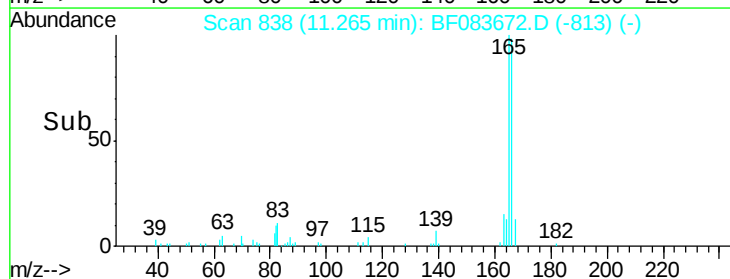
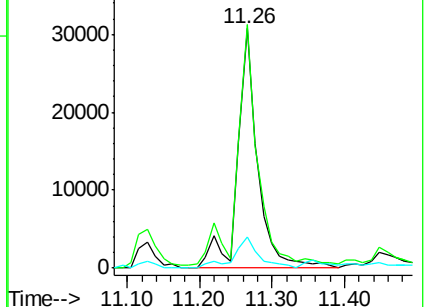
167 12.9 10.6 16.0

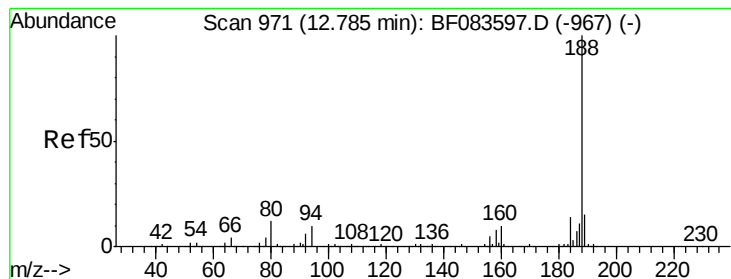


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)DL2

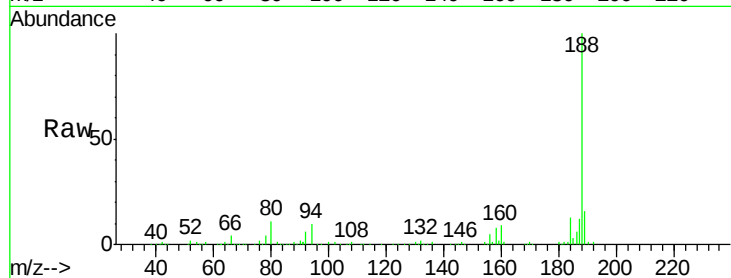
Tgt Ion:188 Resp: 335796

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

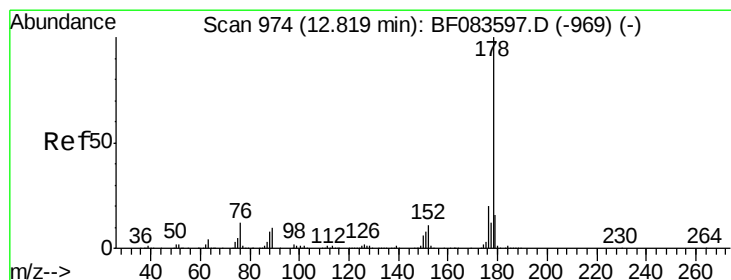
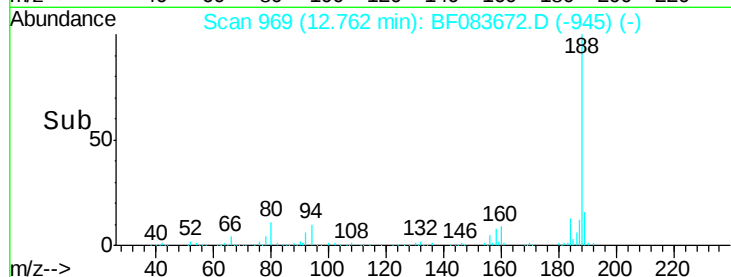
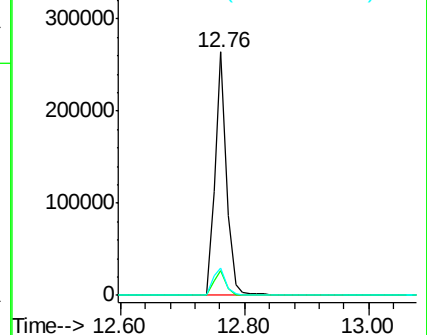
80 11.4 10.6 16.0



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: 14.05 ng

RT: 12.80 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

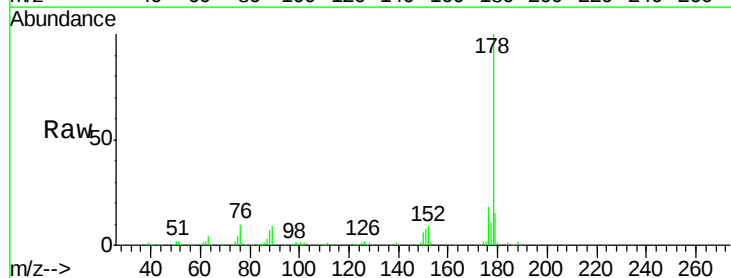
Tgt Ion:178 Resp: 271026

Ion Ratio Lower Upper

178 100

176 18.1 15.7 23.5

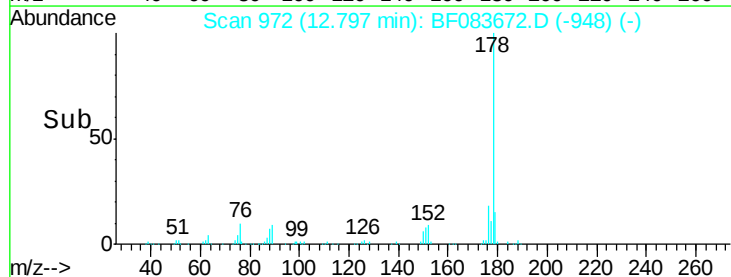
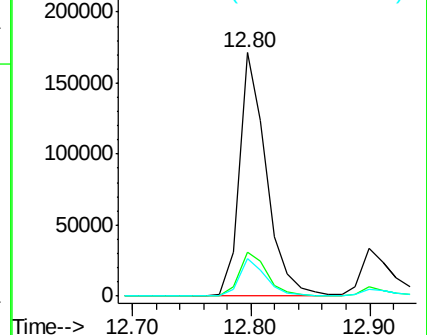
179 15.4 12.2 18.4

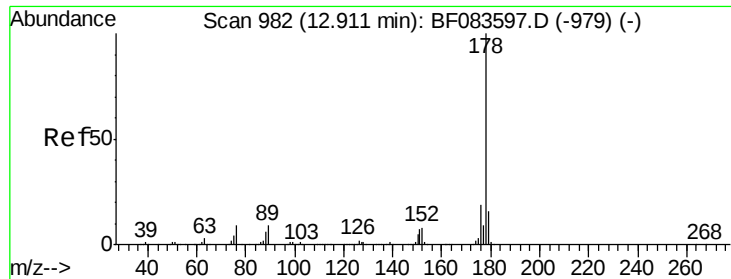


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

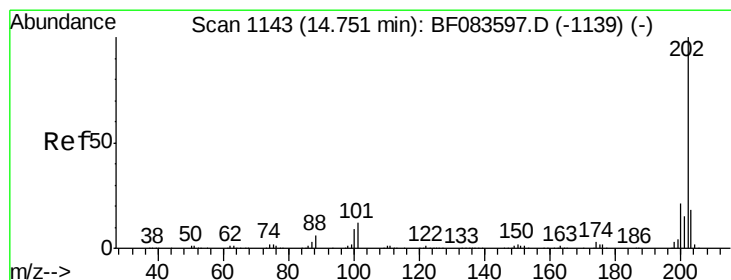
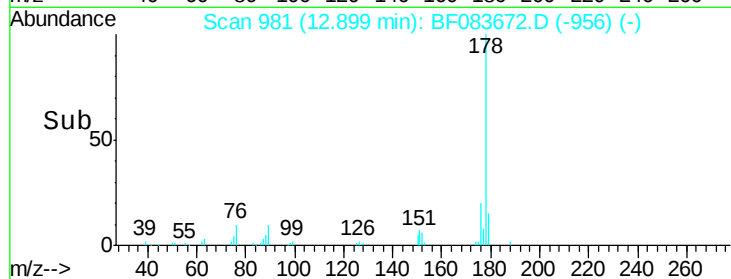
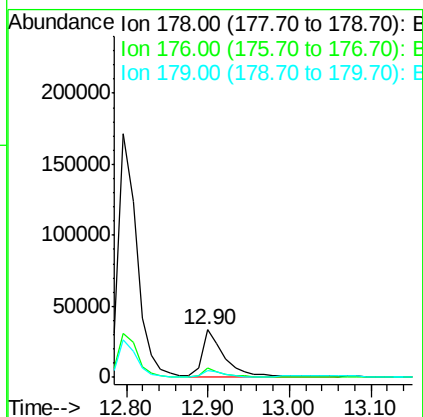
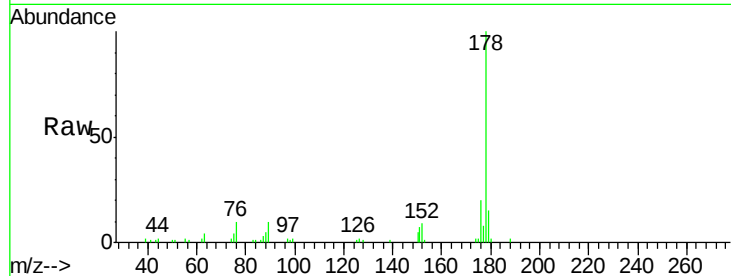




#71
 Anthracene
 Concen: 3.24 ng
 RT: 12.90 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

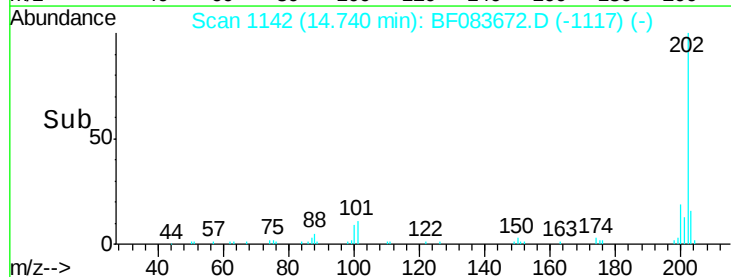
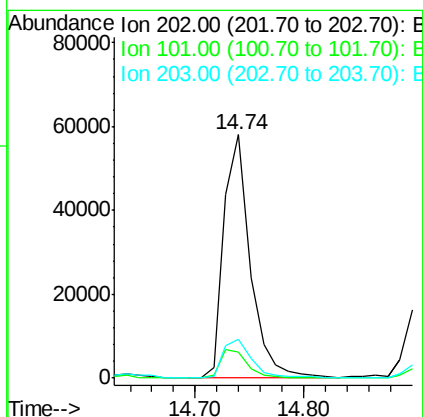
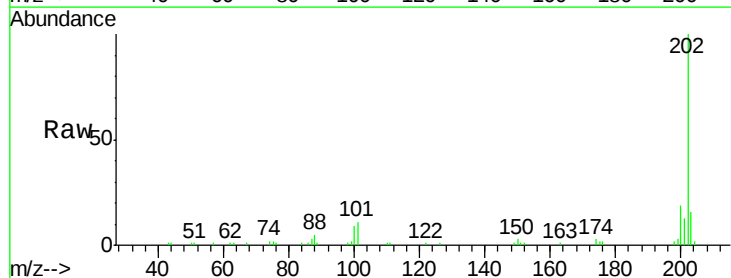
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-02(8-11)DL2

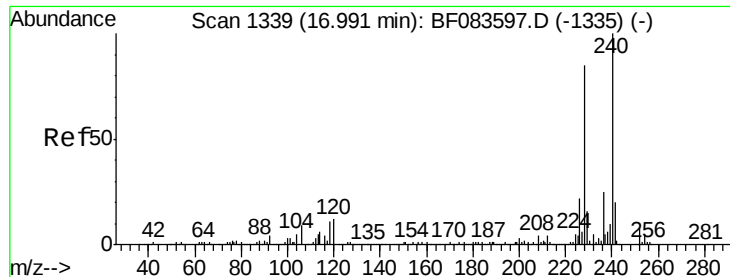
Tgt Ion:178 Resp: 64707
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.2 22.8
 179 15.2 12.6 18.8



#74
 Fluoranthene
 Concen: 4.99 ng
 RT: 14.74 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF083672.D
 Acq: 10 Dec 2015 8:15

Tgt Ion:202 Resp: 98513
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.5
 203 16.1 0.0 37.6

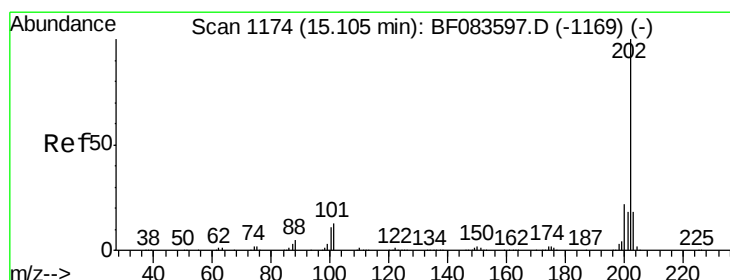
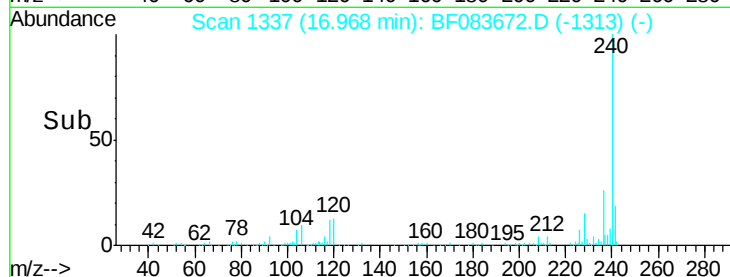
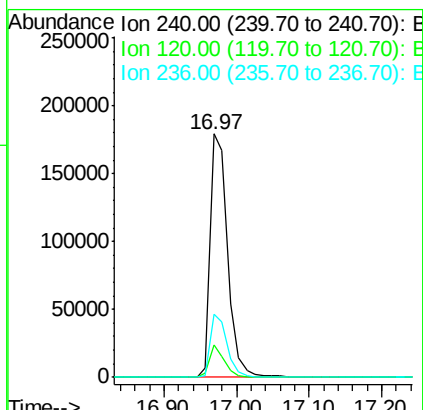
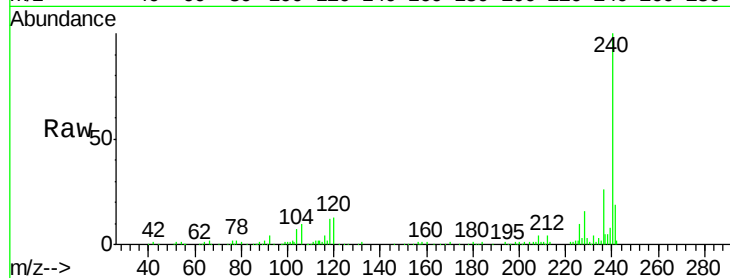




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.97 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

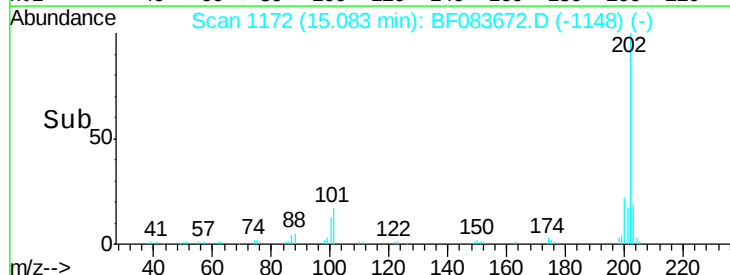
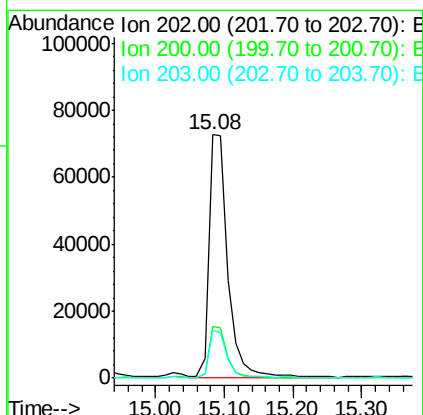
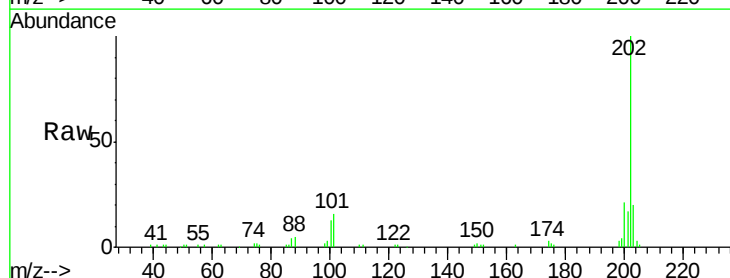
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL2

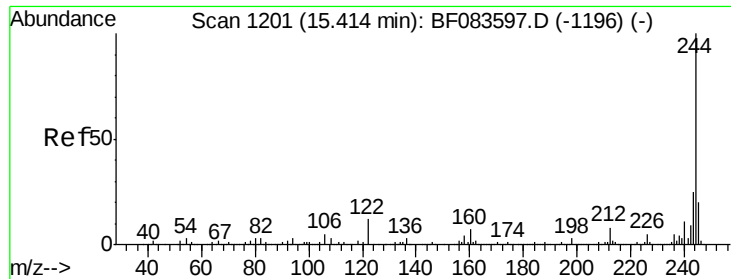
Tgt Ion:240 Resp: 297176
Ion Ratio Lower Upper
240 100
120 13.5 8.1 12.1#
236 26.0 20.8 31.2



#77
Pyrene
Concen: 6.58 ng
RT: 15.08 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Tgt Ion:202 Resp: 140841
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 19.6 14.3 21.5





#78

Terphenyl-d14

Concen: 3.51 ng

RT: 15.39 min Scan# 1199

Delta R.T. -0.02 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)DL2

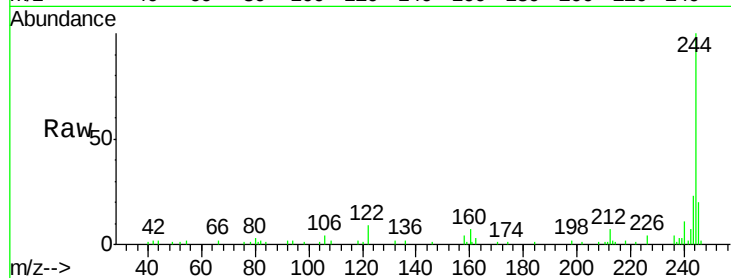
Tgt Ion:244 Resp: 44322

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

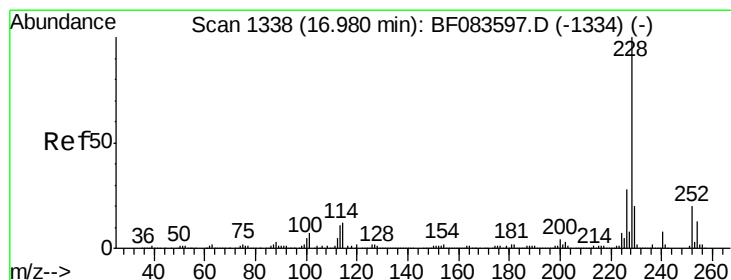
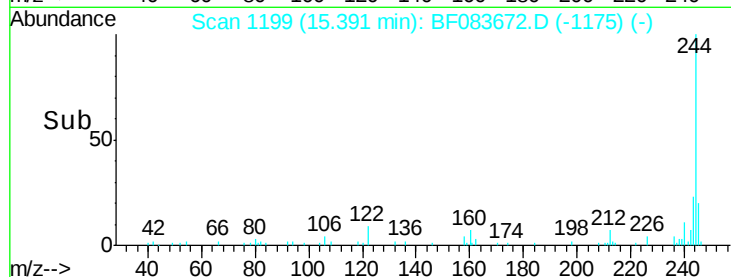
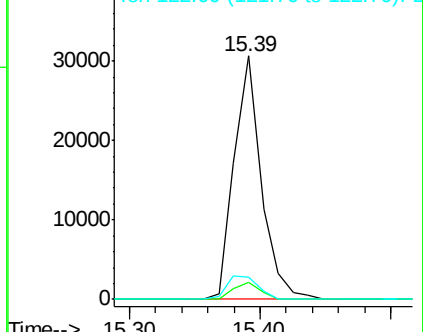
122 9.1 11.0 16.6#



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



#80

Benzo(a)anthracene

Concen: 2.12 ng

RT: 17.03 min Scan# 1342

Delta R.T. 0.05 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

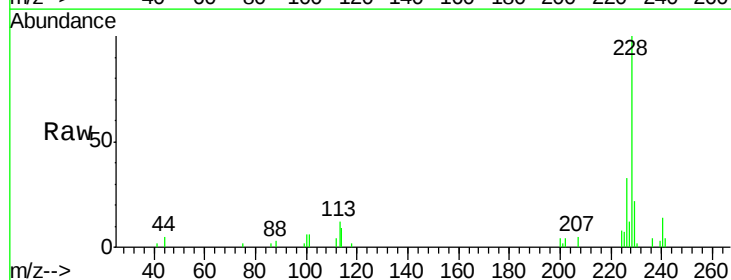
Tgt Ion:228 Resp: 36844

Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

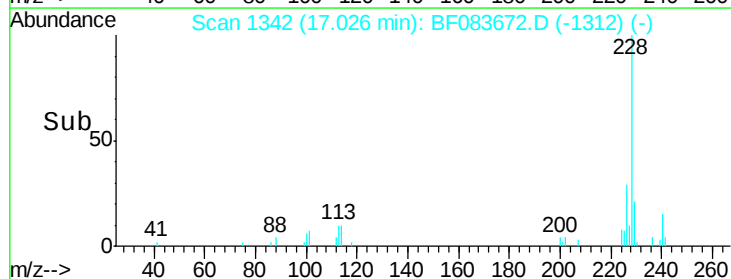
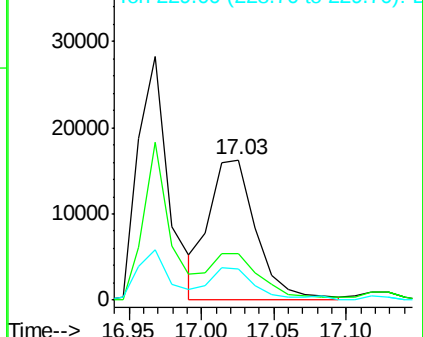
229 22.3 15.7 23.5

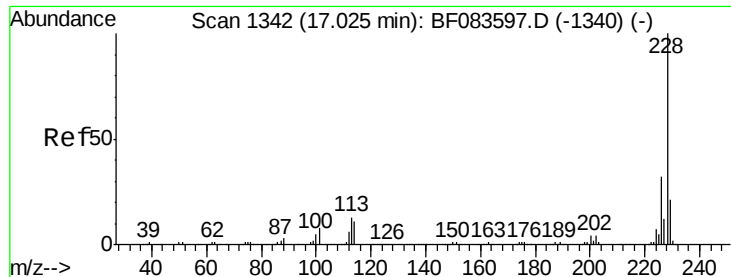


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.11 ng

RT: 17.03 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)DL2

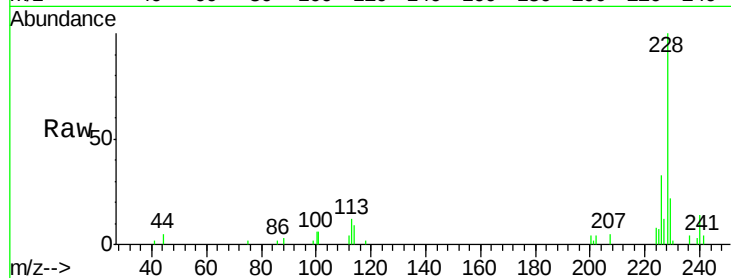
Tgt Ion:228 Resp: 36844

Ion Ratio Lower Upper

228 100

226 32.9 24.7 37.1

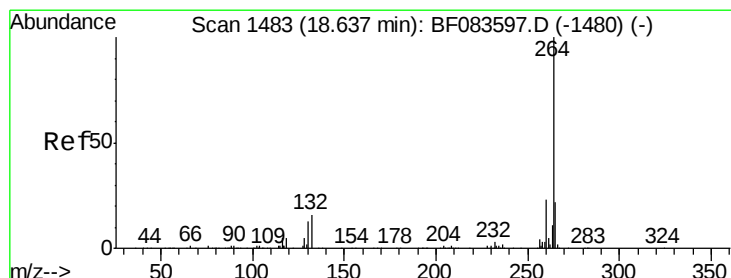
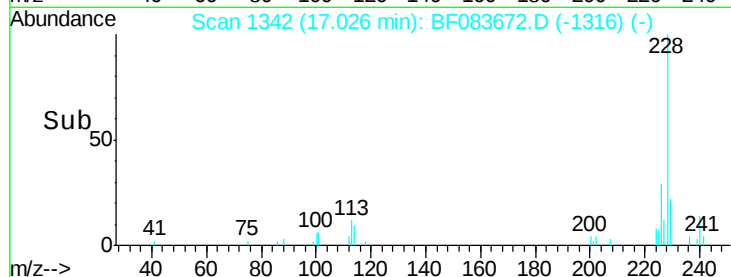
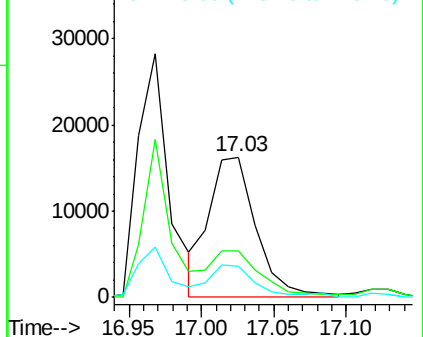
229 22.3 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF083672.D

Acq: 10 Dec 2015 8:15

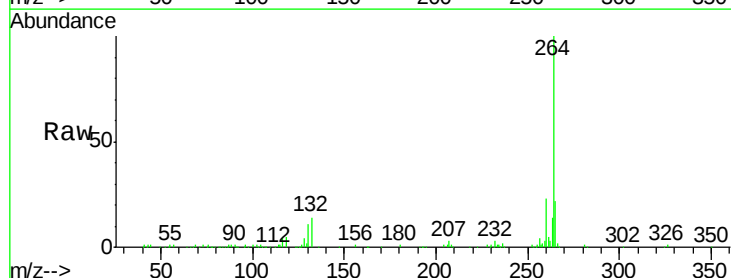
Tgt Ion:264 Resp: 234796

Ion Ratio Lower Upper

264 100

260 22.6 19.4 29.0

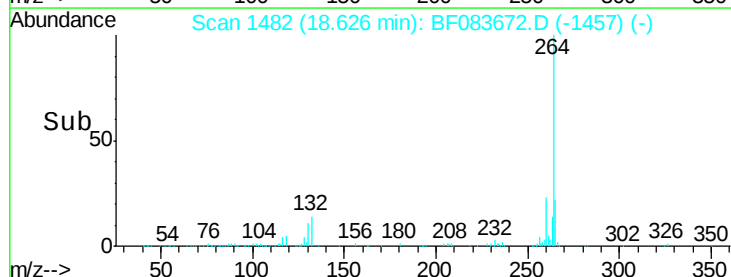
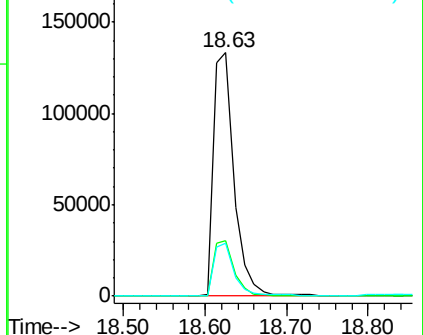
265 21.6 17.8 26.6

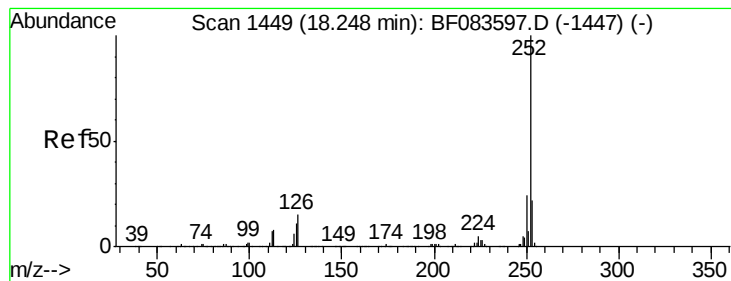


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

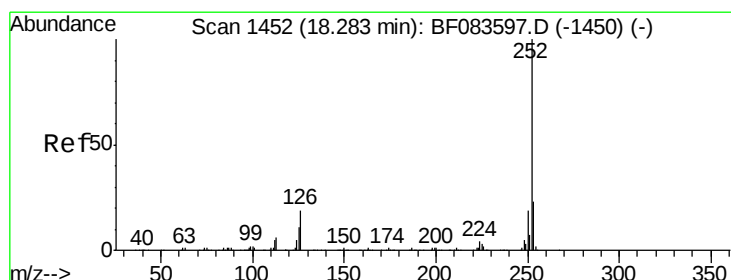
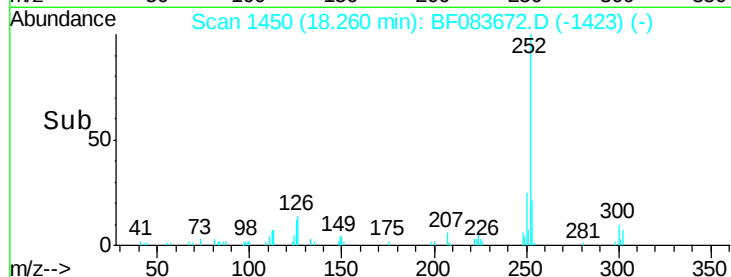
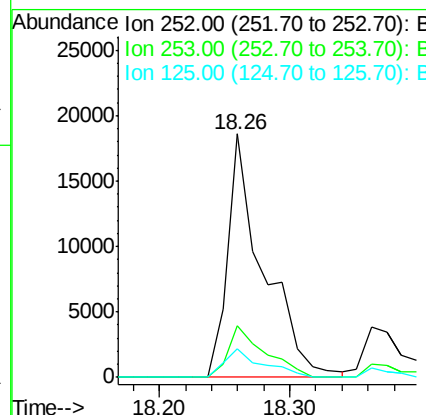
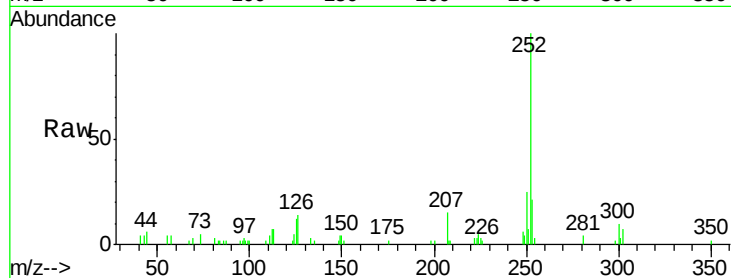




#87
Benzo(b)fluoranthene
Concen: 2.65 ng
RT: 18.26 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

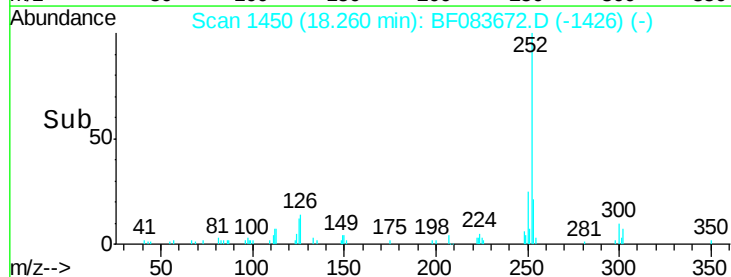
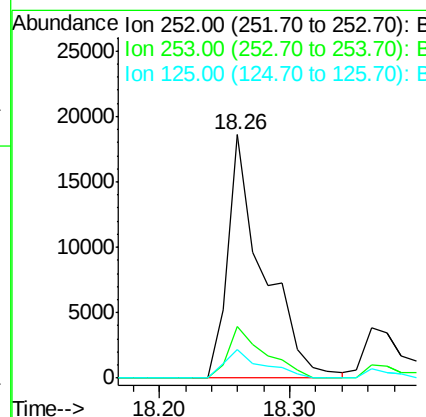
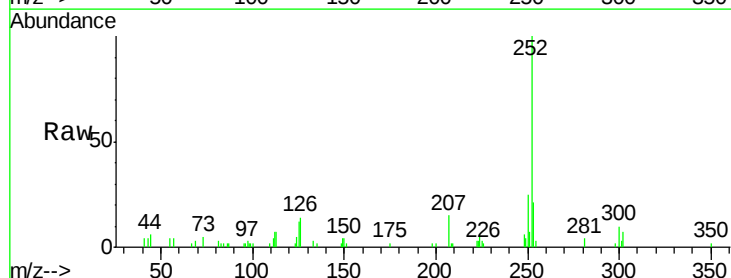
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-02(8-11)DL2

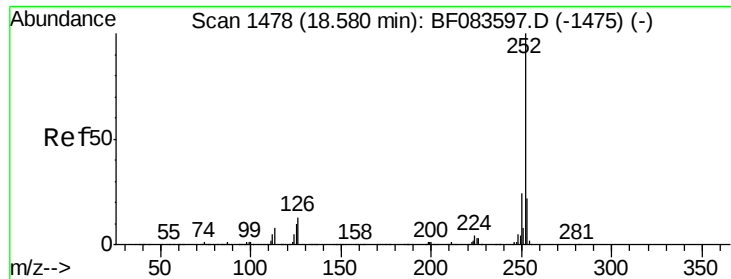
Tgt Ion: 252 Resp: 35433
Ion Ratio Lower Upper
252 100
253 21.2 18.2 27.4
125 11.7 8.2 12.4



#88
Benzo(k)fluoranthene
Concen: 2.41 ng
RT: 18.26 min Scan# 1450
Delta R.T. -0.02 min
Lab File: BF083672.D
Acq: 10 Dec 2015 8:15

Tgt Ion: 252 Resp: 35433
Ion Ratio Lower Upper
252 100
253 21.2 18.6 27.8
125 11.7 11.5 17.3





#89

Benzo(a)pyrene

Concen: 2.31 ng

RT: 18.58 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF083672.D

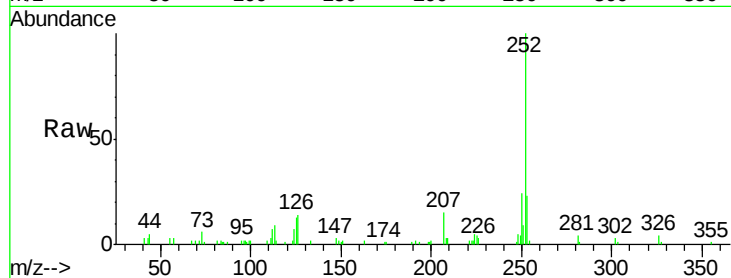
Acq: 10 Dec 2015 8:15

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-02(8-11)DL2



Tgt Ion:	252	Resp:	30083
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	12.8	11.0	16.6

