

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083676.D
 Acq On : 10 Dec 2015 10:14
 Operator : UM/IZ
 Sample : G4582-08DL 10X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)DL

Quant Time: Dec 10 12:30:09 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

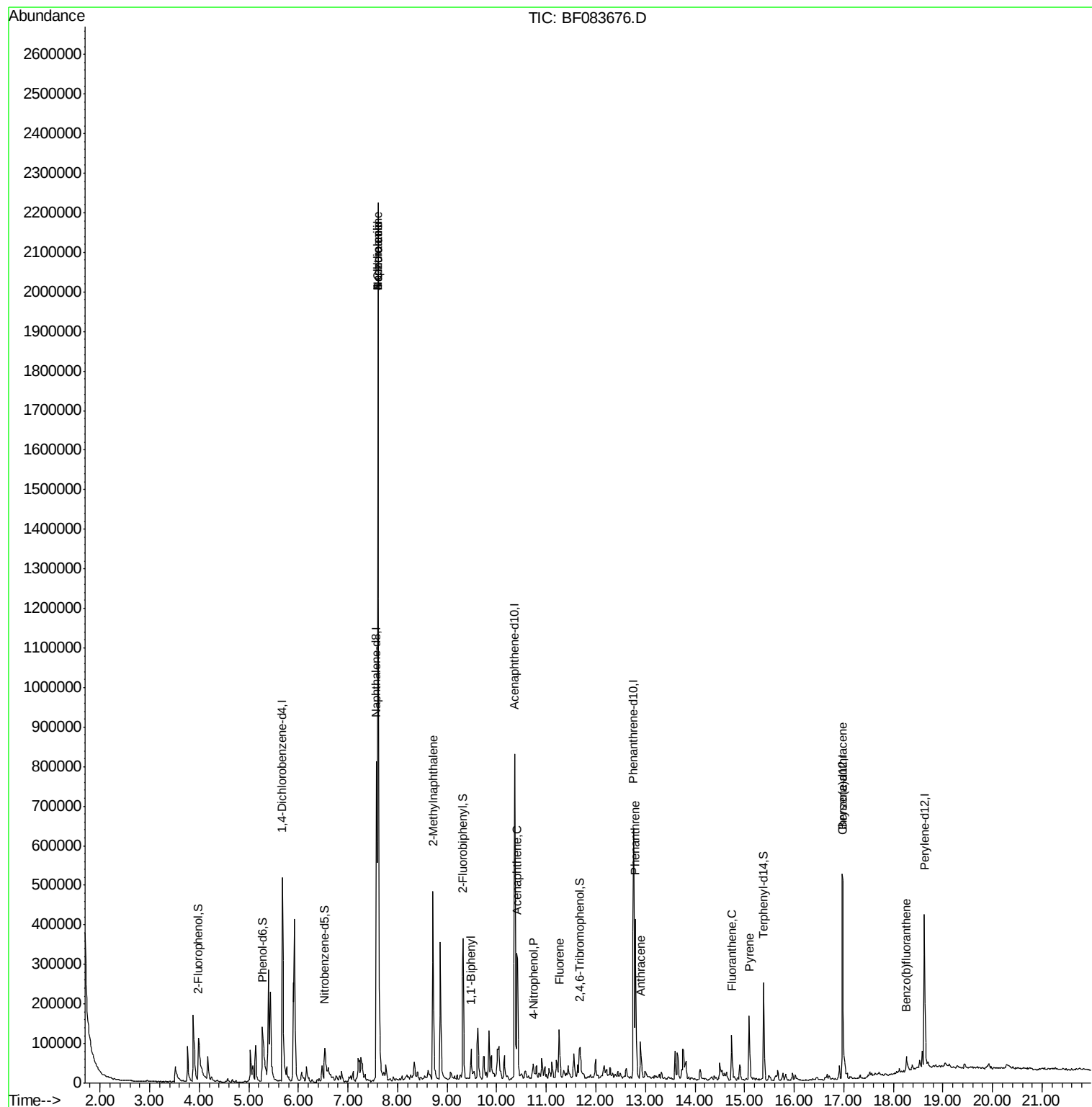
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	124010	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	478484	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	218809	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	338617	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	299702	20.00	ng	-0.01
86) Perylene-d12	18.63	264	233692	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.98	112	112788	13.79	ng	0.01
7) Phenol-d6	5.28	99	163550	14.97	ng	0.00
23) Nitrobenzene-d5	6.53	82	105612	10.30	ng	0.00
41) 2,4,6-Tribromophenol	11.68	330	19494	10.00	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	187453	12.06	ng	-0.02
78) Terphenyl-d14	15.38	244	128212	10.07	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.61	128	1441769	56.89	ng	99
32) Benzoic acid	7.61	122	3367	3.66	ng	# 1
33) 4-Chloroaniline	7.61	127	184895	20.01	ng	# 27
37) 2-Methylnaphthalene	8.72	142	218470	13.72	ng	99
45) 1,1'-Biphenyl	9.48	154	40871	2.15	ng	98
51) Acenaphthene	10.42	154	124488	9.18	ng	98
55) 4-Nitrophenol	10.74	139	4902	2.91	ng	# 12
57) Fluorene	11.26	166	72710	4.43	ng	99
70) Phenanthrene	12.80	178	270938	13.93	ng	99
71) Anthracene	12.90	178	74185	3.68	ng	96
74) Fluoranthene	14.74	202	83851	4.21	ng	99
77) Pyrene	15.09	202	120120	5.57	ng	98
80) Benzo(a)anthracene	16.97	228	35749	2.04	ng	# 69
87) Benzo(b)fluoranthene	18.26	252	27656	2.08	ng	# 93

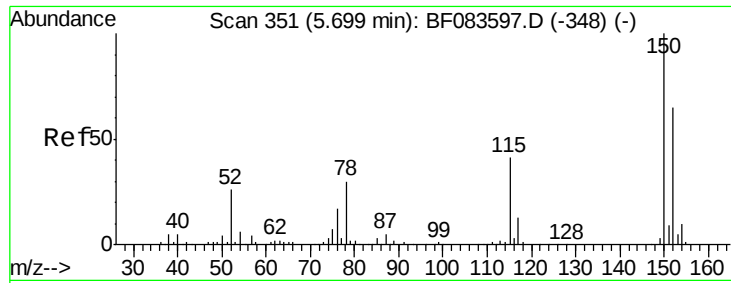
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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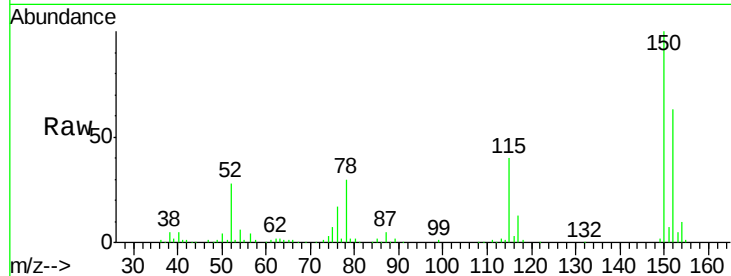




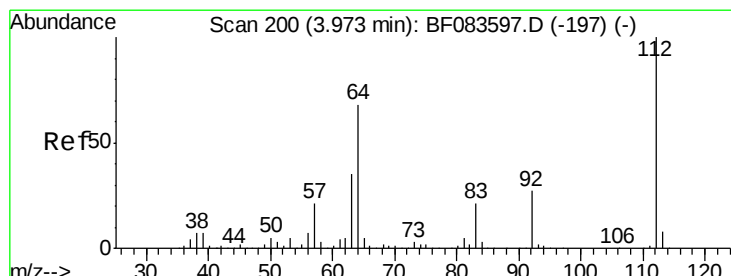
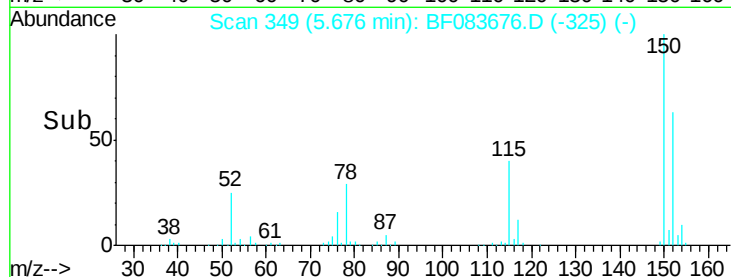
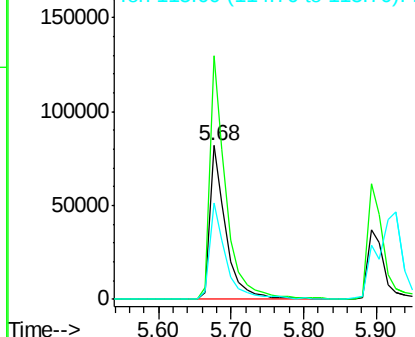
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.68 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)DL

Tgt Ion:152 Resp: 124010
 Ion Ratio Lower Upper
 152 100
 150 158.2 126.5 189.7
 115 62.9 52.3 78.5

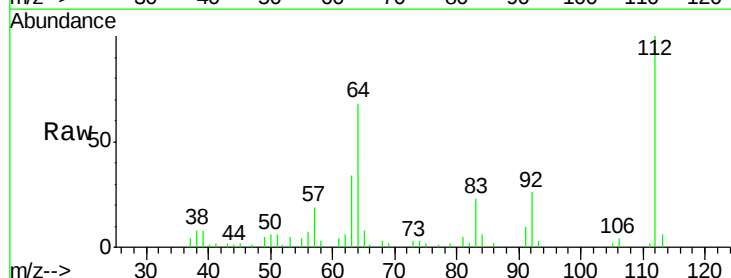


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

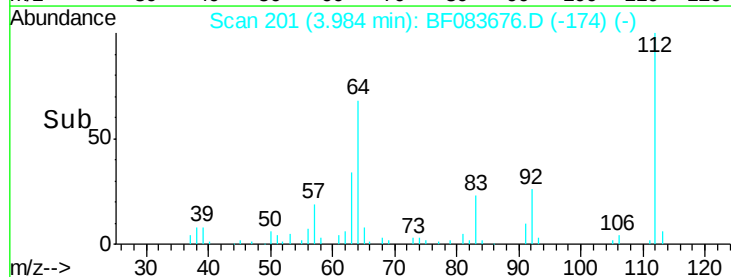
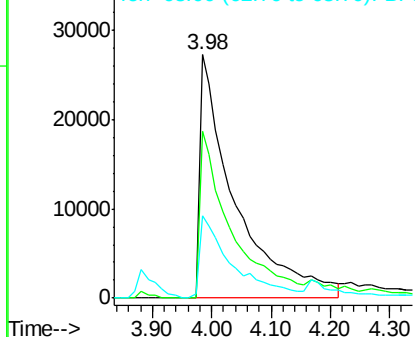


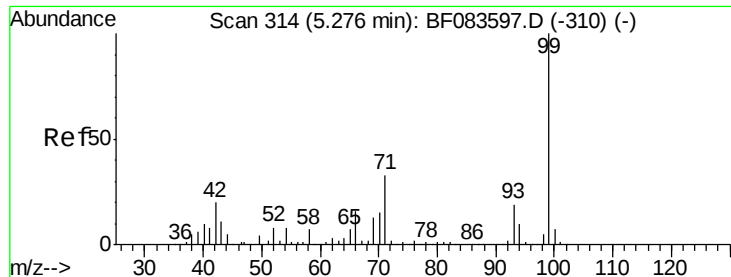
#5
 2-Fluorophenol
 Concen: 13.79 ng
 RT: 3.98 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Tgt Ion:112 Resp: 112788
 Ion Ratio Lower Upper
 112 100
 64 68.3 50.5 75.7
 63 34.0 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: 14.97 ng

RT: 5.28 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)DL

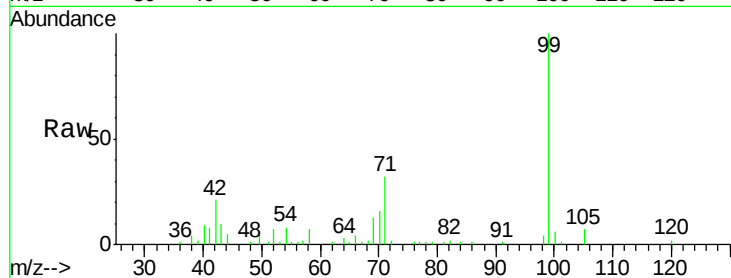
Tgt Ion: 99 Resp: 163550

Ion Ratio Lower Upper

99 100

42 21.0 17.3 25.9

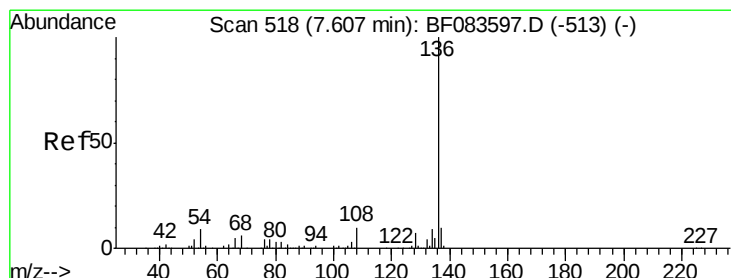
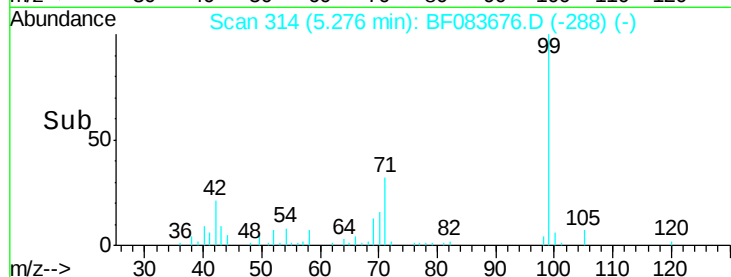
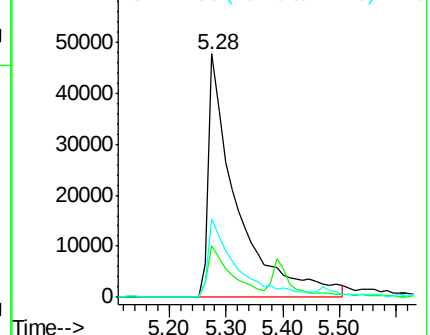
71 32.3 26.6 40.0



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: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Tgt Ion: 136 Resp: 478484

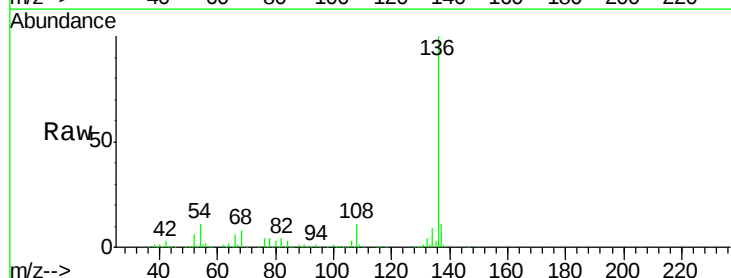
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.3 7.8 11.6

68 7.7 5.7 8.5

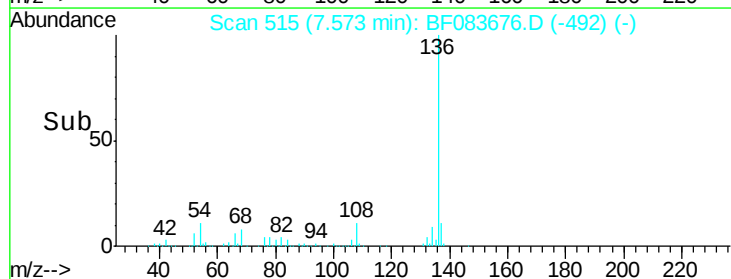
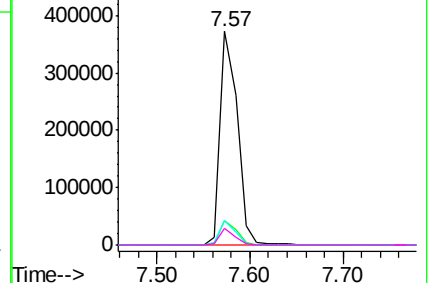


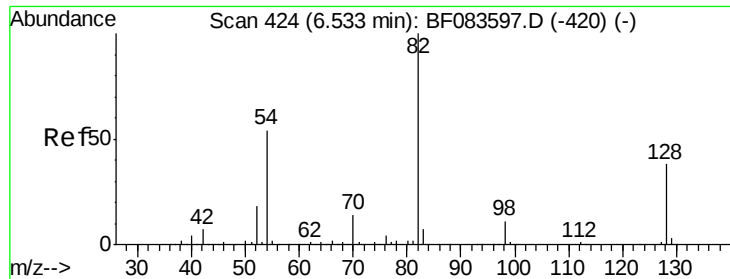
Abundance Ion 136.00 (135.70 to 136.70): E

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

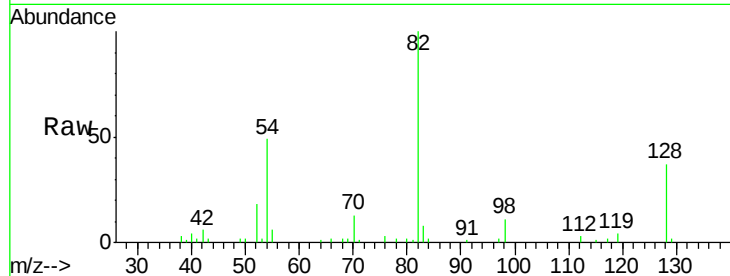




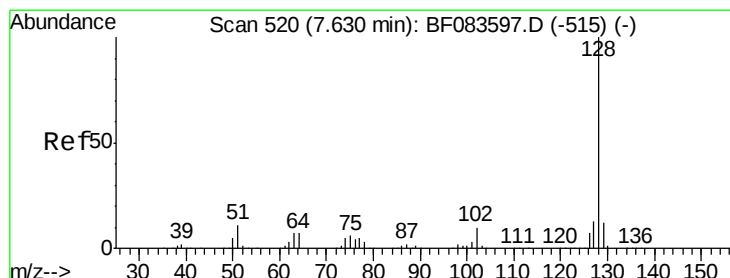
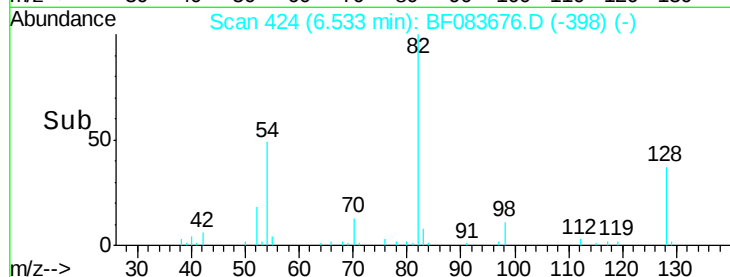
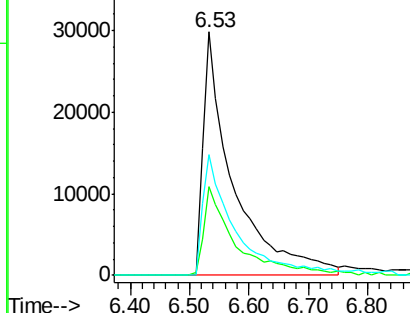
#23
 Nitrobenzene-d5
 Concen: 10.30 ng
 RT: 6.53 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)DL

Tgt Ion: 82 Resp: 105612
 Ion Ratio Lower Upper
 82 100
 128 36.6 30.7 46.1
 54 49.4 42.5 63.7

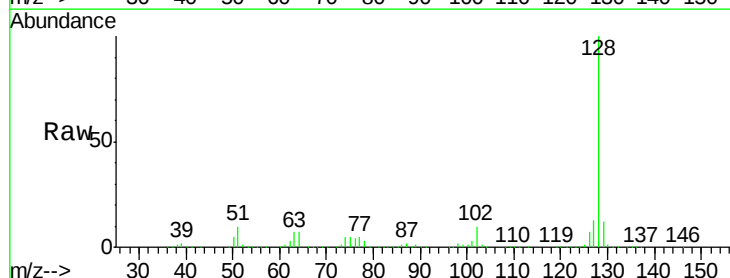


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

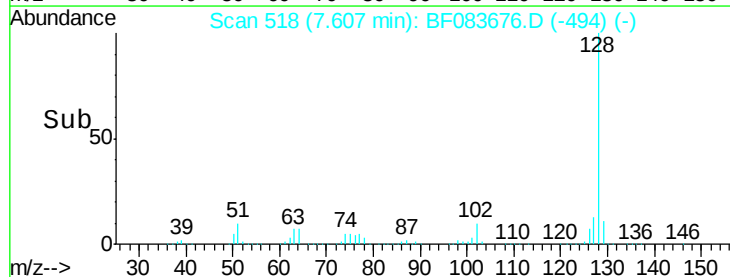
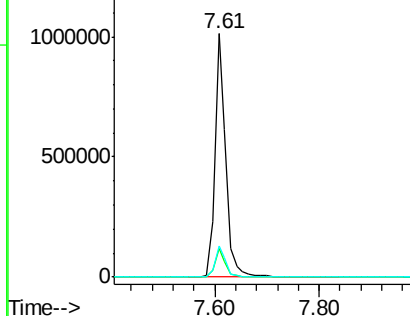


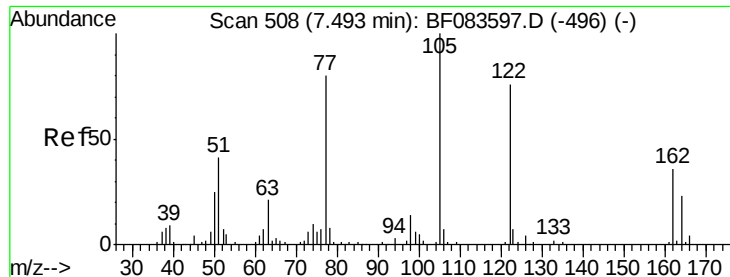
#31
 Naphthalene
 Concen: 56.89 ng
 RT: 7.61 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Tgt Ion: 128 Resp: 1441769
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.6 13.0
 127 13.0 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

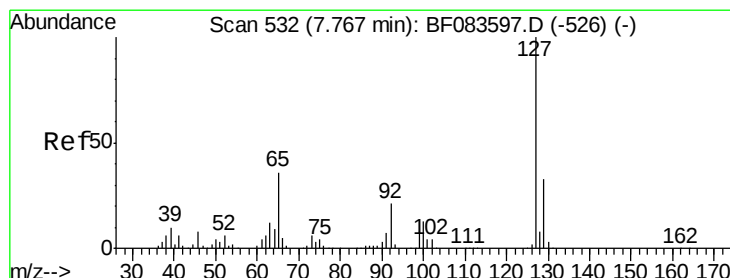
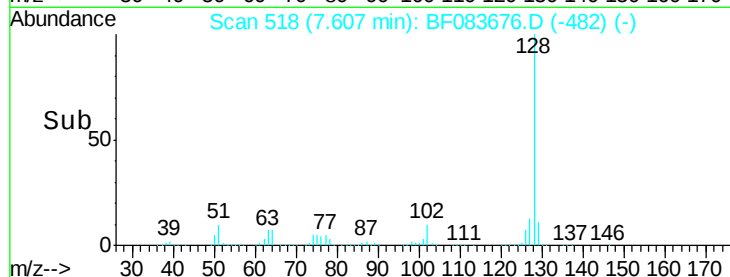
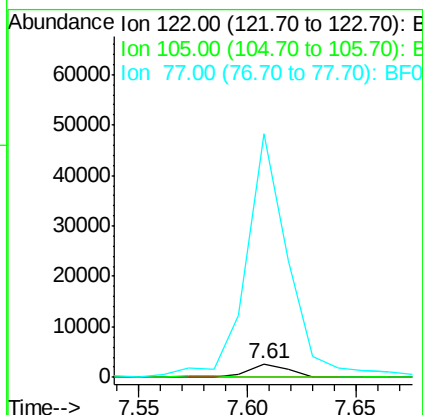
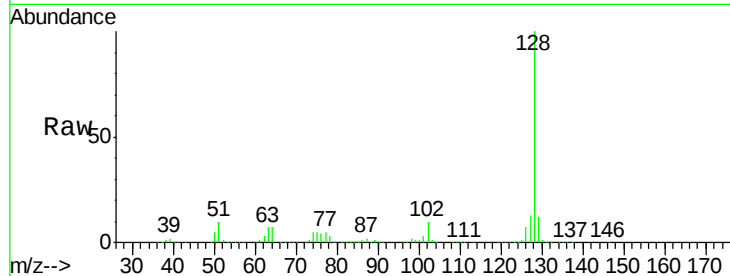




#32
Benzoic acid
Concen: 3.66 ng
RT: 7.61 min Scan# 518
Delta R.T. 0.12 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

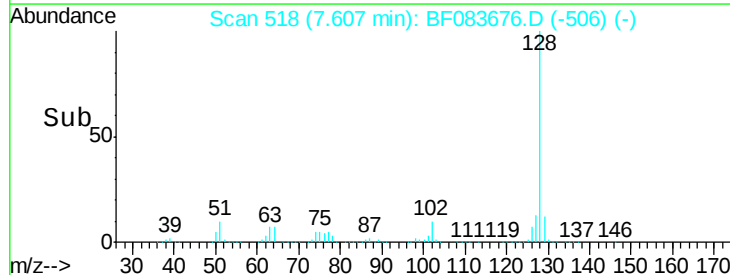
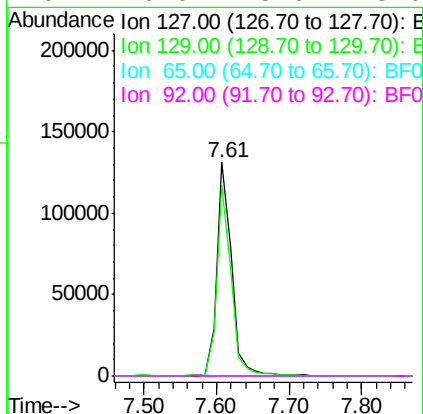
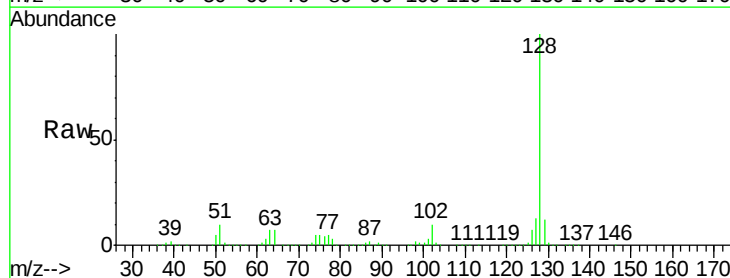
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SB-P3WC-05(8-14)DL

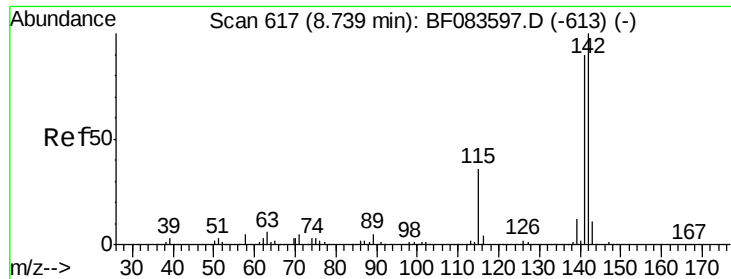
Tgt Ion:122 Resp: 3367
Ion Ratio Lower Upper
122 100
105 0.0 105.6 145.6#
77 1820.3 86.8 126.8#



#33
4-Chloroaniline
Concen: 20.01 ng
RT: 7.61 min Scan# 518
Delta R.T. -0.16 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

Tgt Ion:127 Resp: 184895
Ion Ratio Lower Upper
127 100
129 89.0 26.1 39.1#
65 0.0 33.5 50.3#
92 0.0 18.6 28.0#

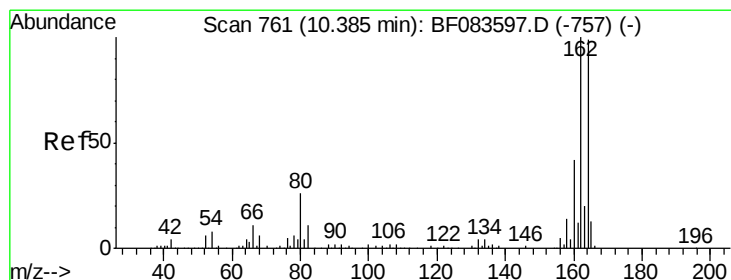
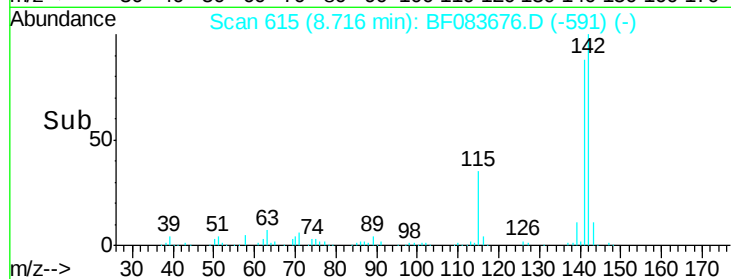
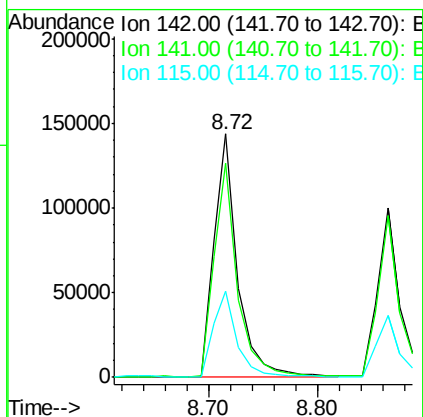
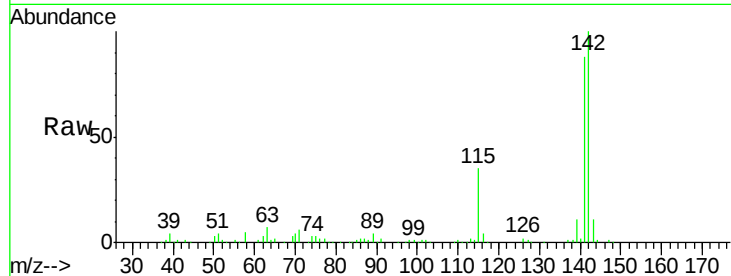




#37
 2-Methylnaphthalene
 Concen: 13.72 ng
 RT: 8.72 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

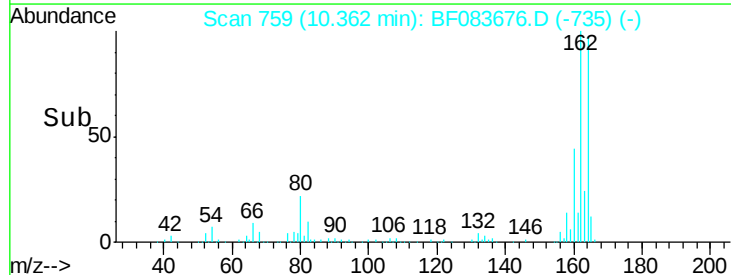
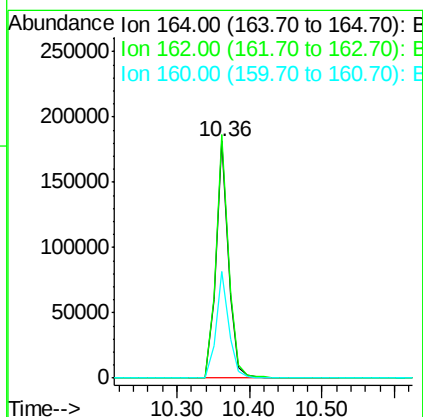
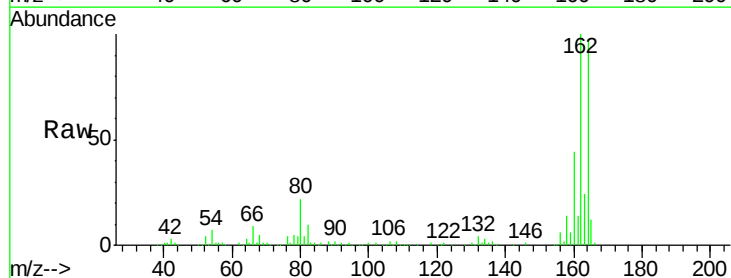
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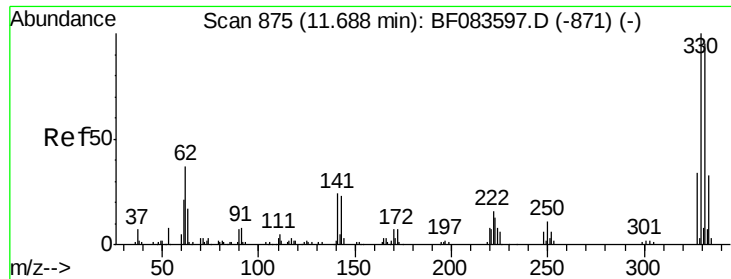
Tgt Ion:142 Resp: 218470
 Ion Ratio Lower Upper
 142 100
 141 87.8 70.3 105.5
 115 35.3 29.2 43.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Tgt Ion:164 Resp: 218809
 Ion Ratio Lower Upper
 164 100
 162 102.8 78.8 118.2
 160 45.1 33.4 50.2

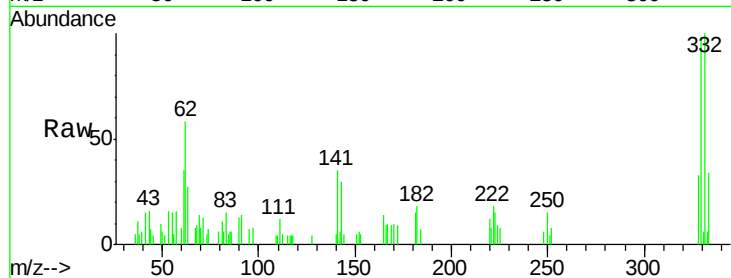




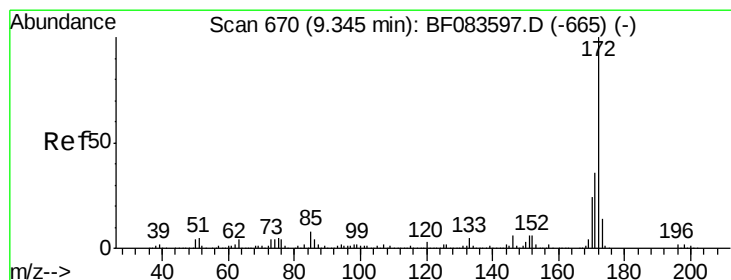
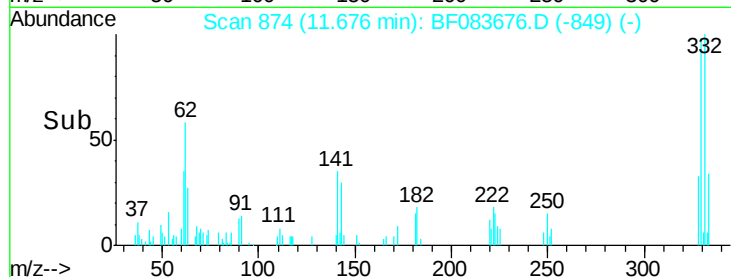
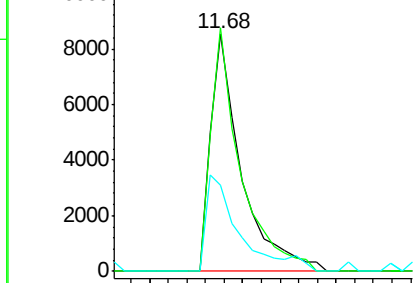
#41
 2,4,6-Tribromophenol
 Concen: 10.00 ng
 RT: 11.68 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-05(8-14)DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	0.0	0.0#
141	44.6	0.0	0.0#

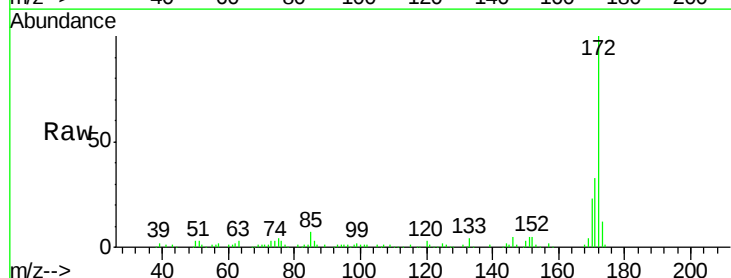


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

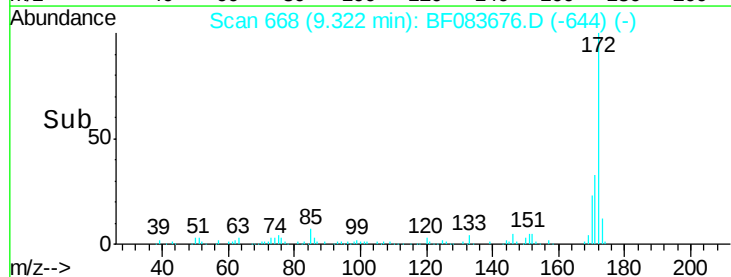
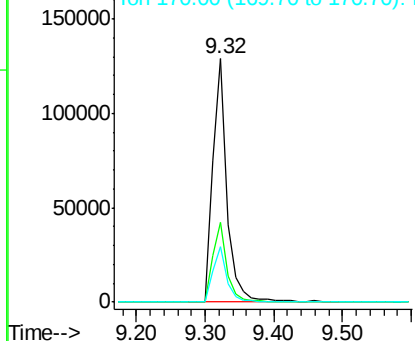


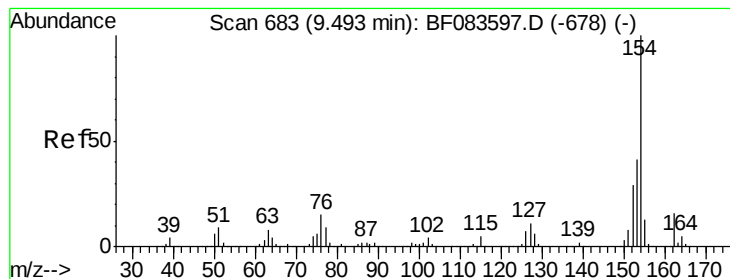
#44
 2-Fluorobiphenyl
 Concen: 12.06 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083676.D
 Acq: 10 Dec 2015 10:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	28.6	42.8
170	22.7	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: 2.15 ng

RT: 9.48 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)DL

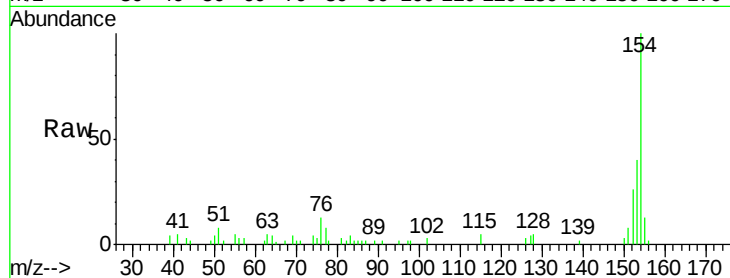
Tgt Ion:154 Resp: 40871

Ion Ratio Lower Upper

154 100

153 39.5 20.2 60.2

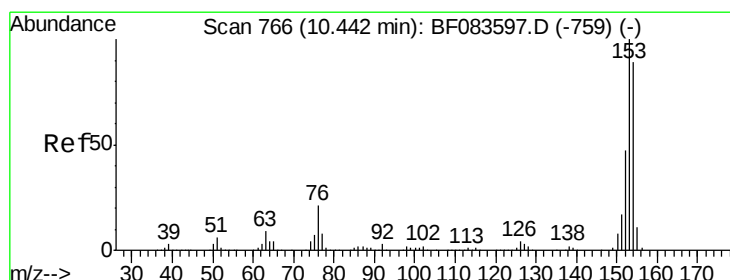
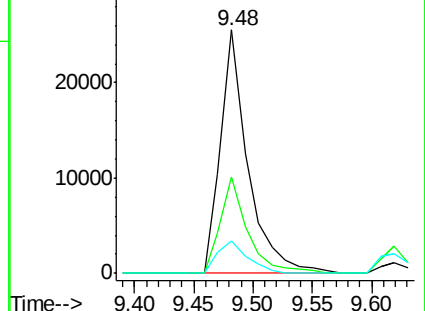
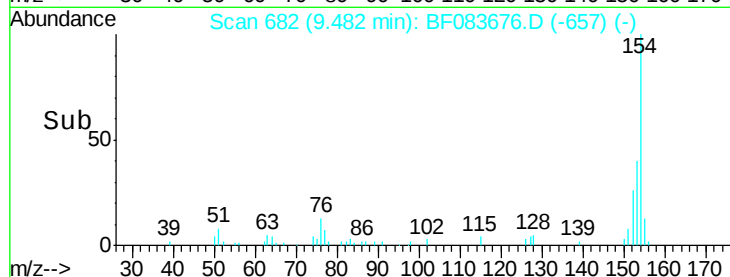
76 13.1 0.0 34.8



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



#51

Acenaphthene

Concen: 9.18 ng

RT: 10.42 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

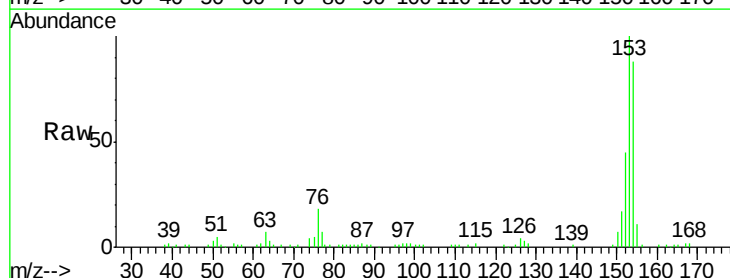
Tgt Ion:154 Resp: 124488

Ion Ratio Lower Upper

154 100

153 113.0 91.4 137.0

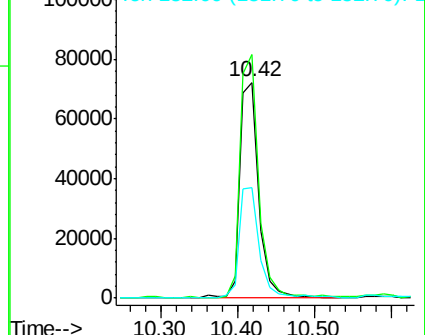
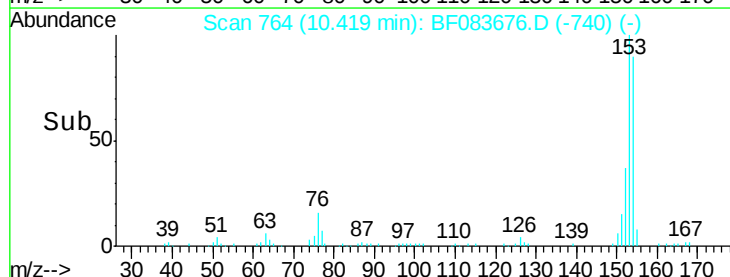
152 51.0 43.4 65.2

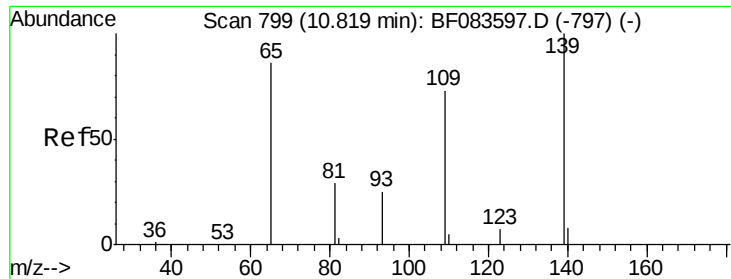


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

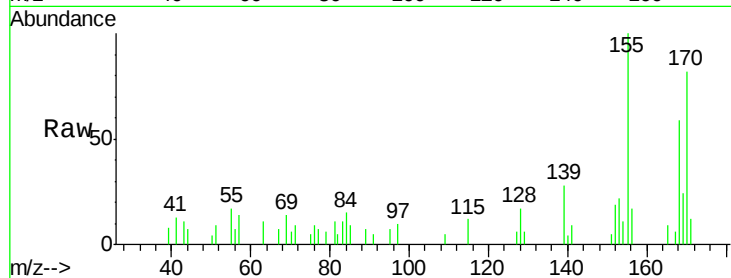




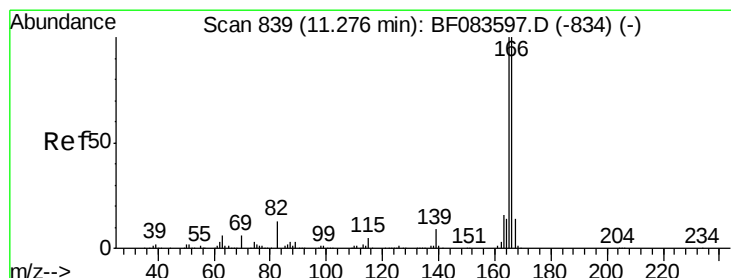
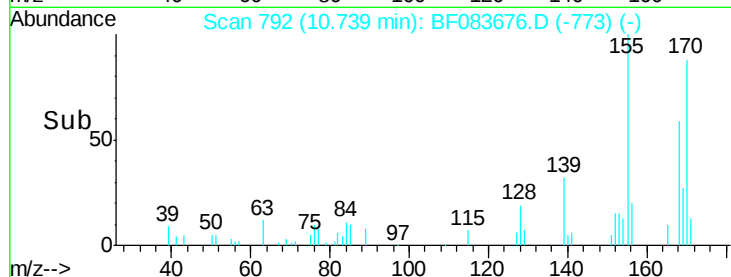
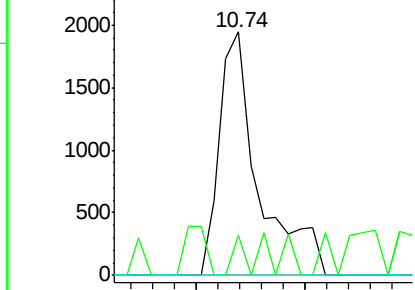
#55
4-Nitrophenol
Concen: 2.91 ng
RT: 10.74 min Scan# 792
Delta R.T. -0.08 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)DL

Tgt Ion:139 Resp: 4902
Ion Ratio Lower Upper
139 100
109 16.6 42.0 82.0#
65 0.0 89.2 129.2#

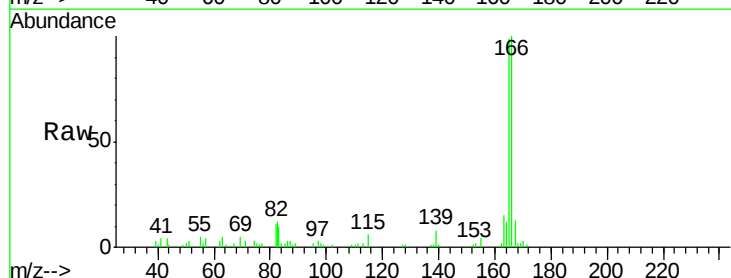


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

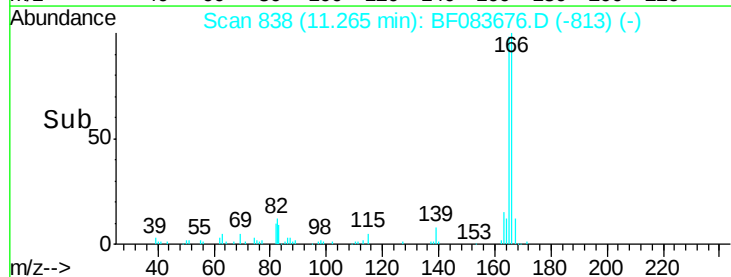
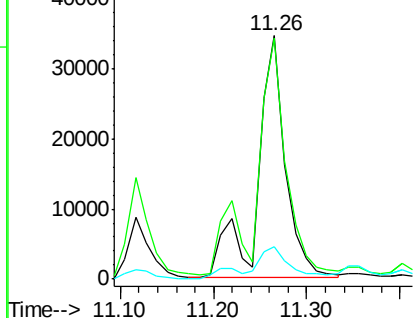


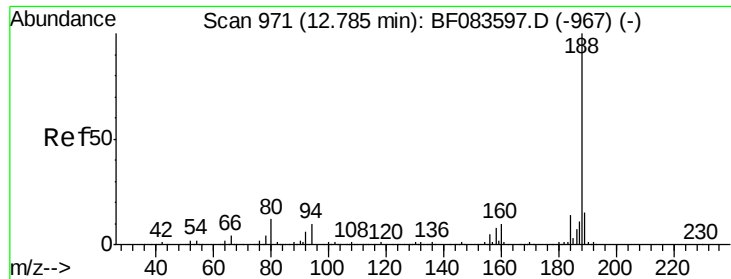
#57
Fluorene
Concen: 4.43 ng
RT: 11.26 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

Tgt Ion:166 Resp: 72710
Ion Ratio Lower Upper
166 100
165 99.1 80.0 120.0
167 13.5 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

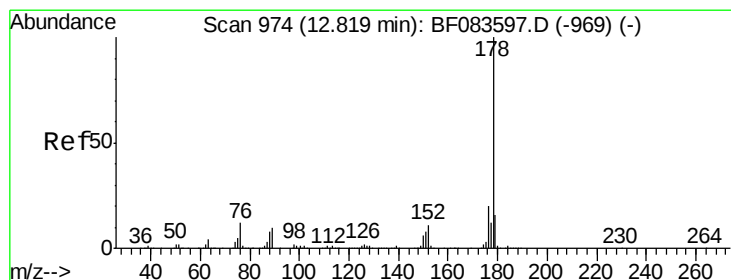
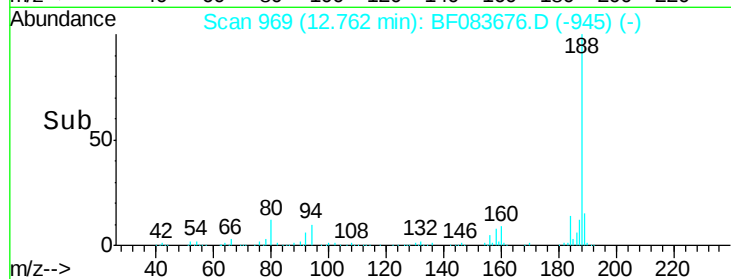
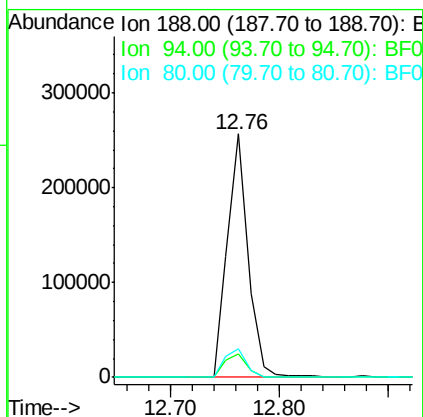
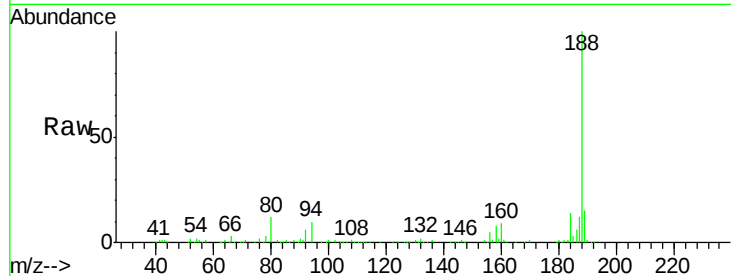




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

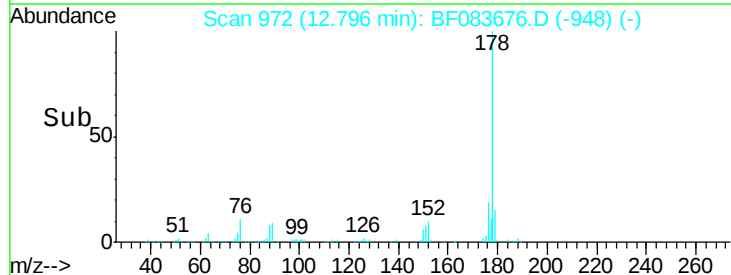
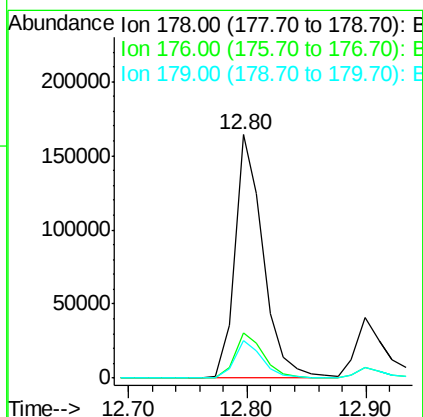
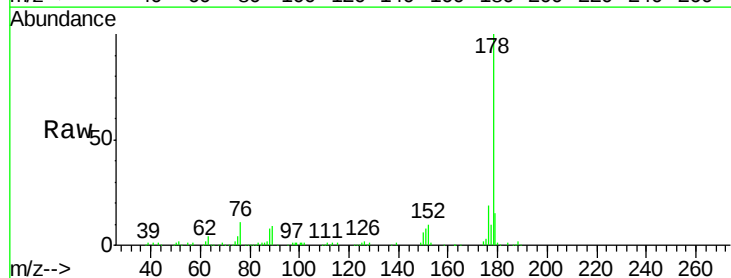
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)DL

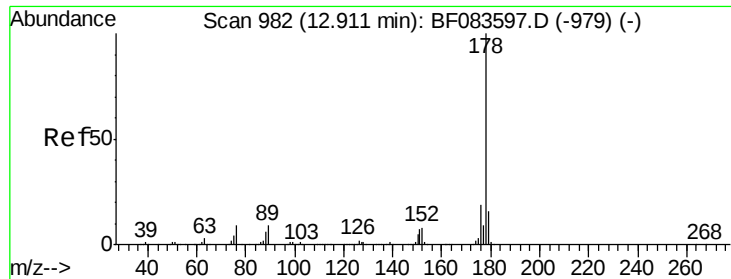
Tgt Ion:188 Resp: 338617
Ion Ratio Lower Upper
188 100
94 9.6 9.4 14.2
80 11.6 10.6 16.0



#70
Phenanthrene
Concen: 13.93 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

Tgt Ion:178 Resp: 270938
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.3 12.2 18.4





#71

Anthracene

Concen: 3.68 ng

RT: 12.90 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)DL

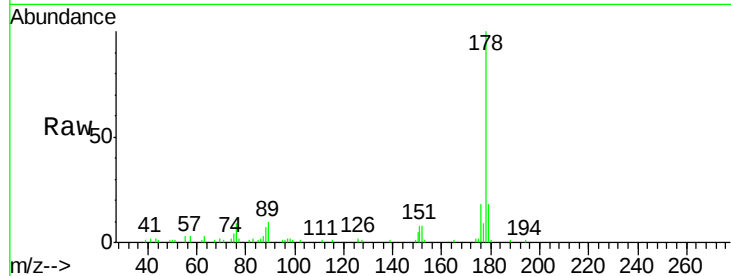
Tgt Ion:178 Resp: 74185

Ion Ratio Lower Upper

178 100

176 17.7 15.2 22.8

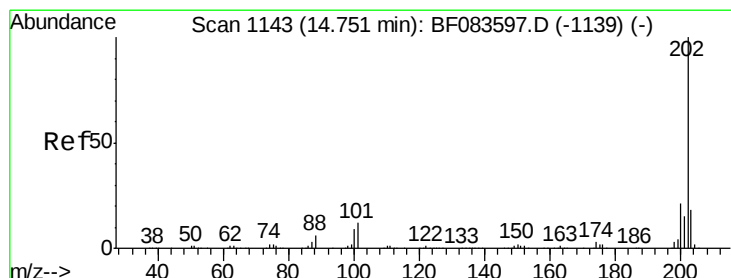
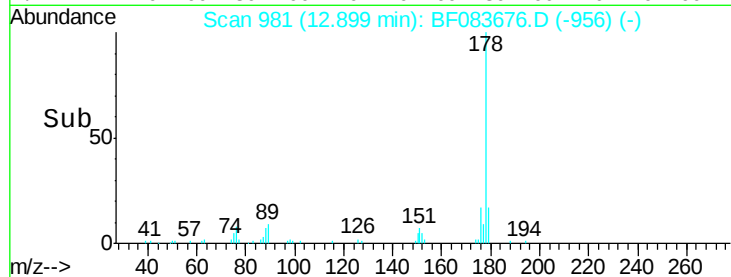
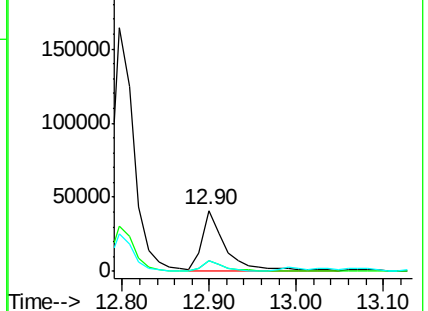
179 17.6 12.6 18.8



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



#74

Fluoranthene

Concen: 4.21 ng

RT: 14.74 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

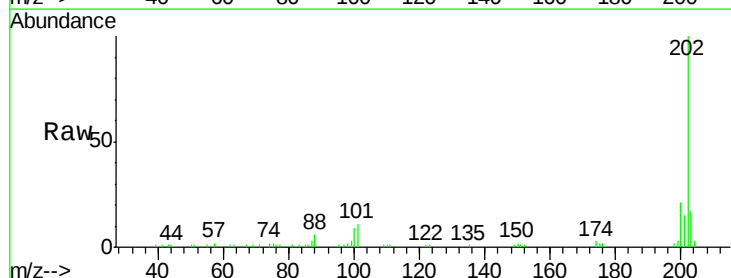
Tgt Ion:202 Resp: 83851

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.5

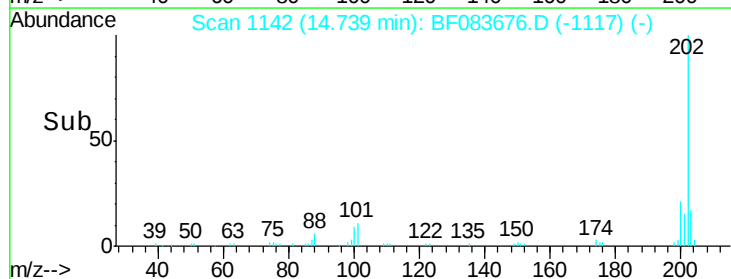
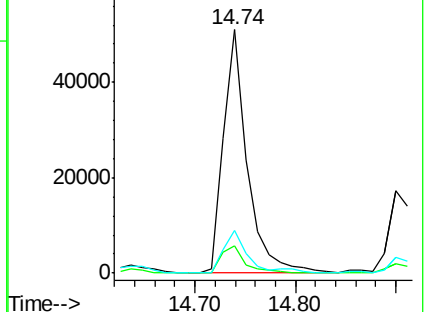
203 17.3 0.0 37.6

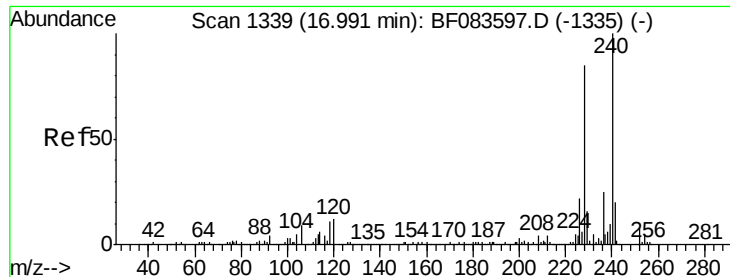


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.98 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

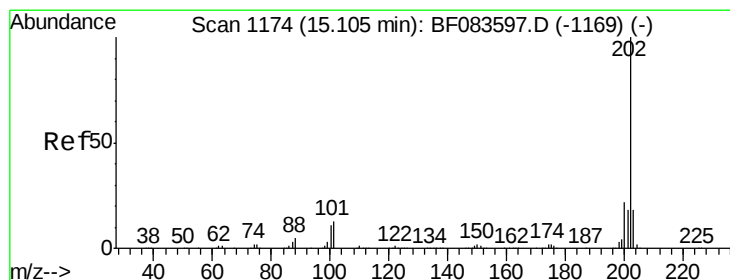
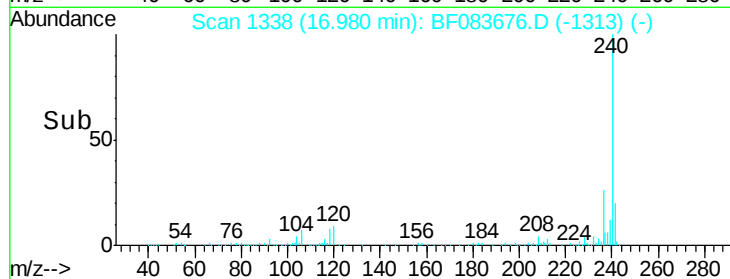
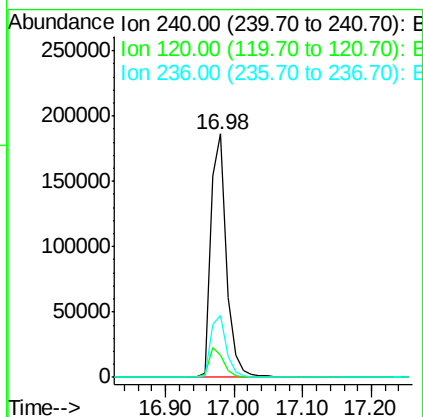
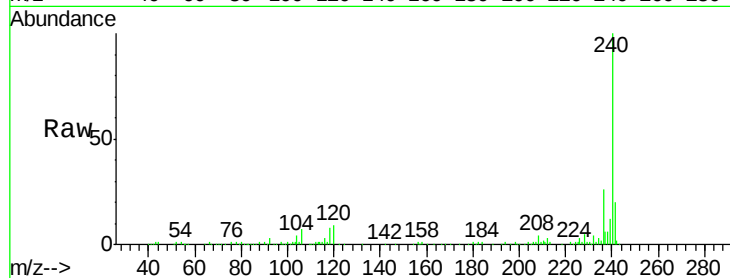
Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)DL

Tgt Ion:	240	Resp:	299702
Ion Ratio	Lower	Upper	
240	100		
120	8.9	8.1	12.1
236	25.7	20.8	31.2



#77

Pyrene

Concen: 5.57 ng

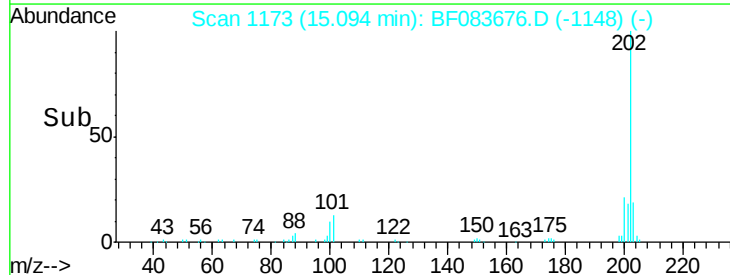
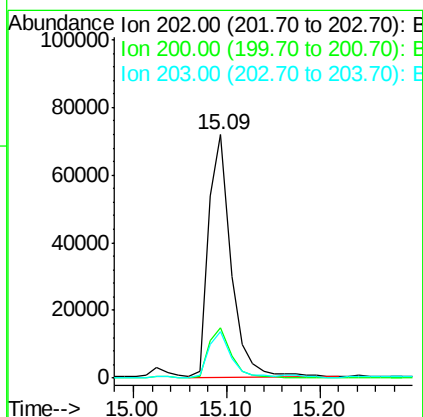
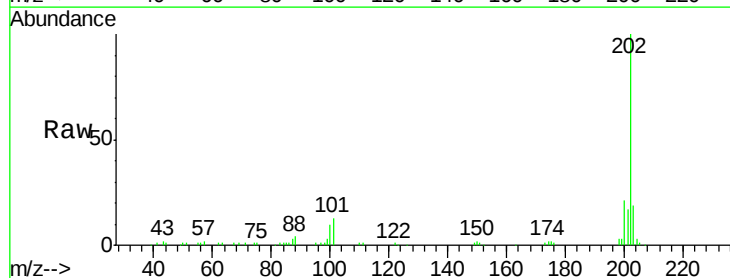
RT: 15.09 min Scan# 1173

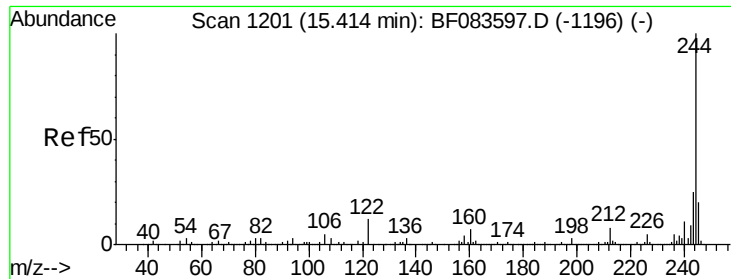
Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Tgt Ion:	202	Resp:	120120
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.7	25.1
203	19.1	14.3	21.5





#78

Terphenyl-d14

Concen: 10.07 ng

RT: 15.38 min Scan# 1198

Delta R.T. -0.03 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-05(8-14)DL

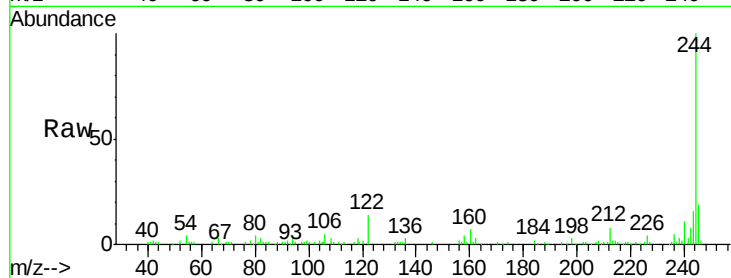
Tgt Ion:244 Resp: 128212

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

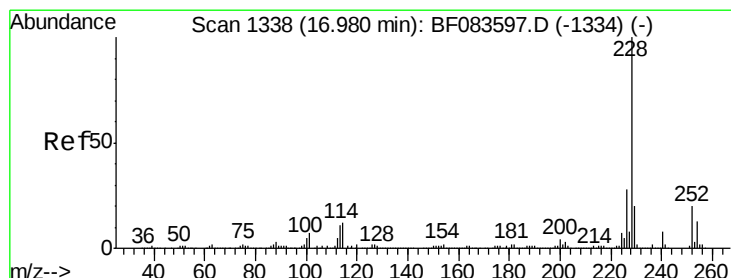
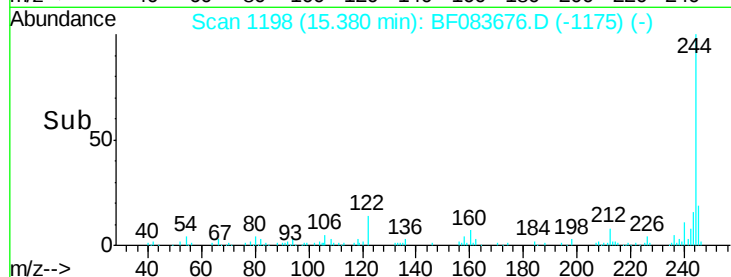
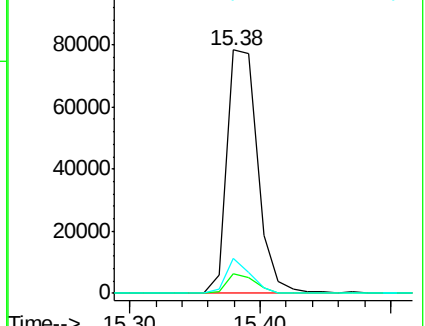
122 14.2 11.0 16.6



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: 2.04 ng

RT: 16.97 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF083676.D

Acq: 10 Dec 2015 10:14

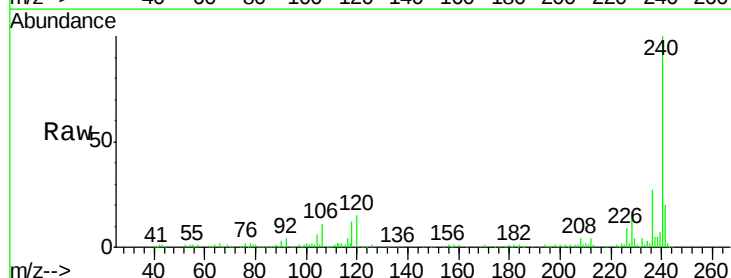
Tgt Ion:228 Resp: 35749

Ion Ratio Lower Upper

228 100

226 54.1 22.3 33.5#

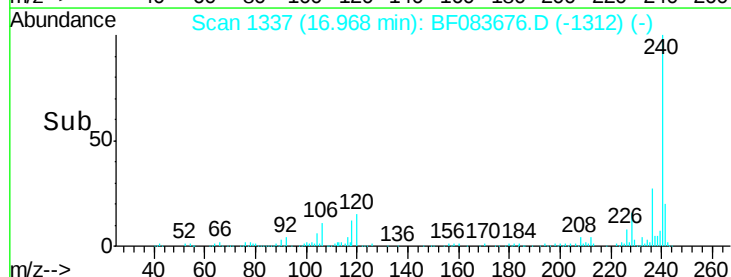
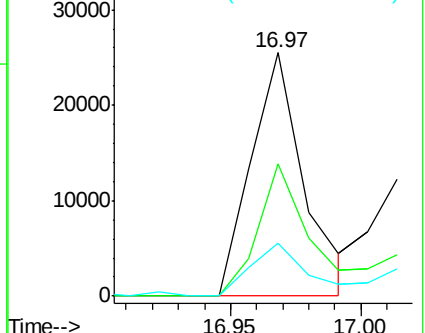
229 21.9 15.7 23.5

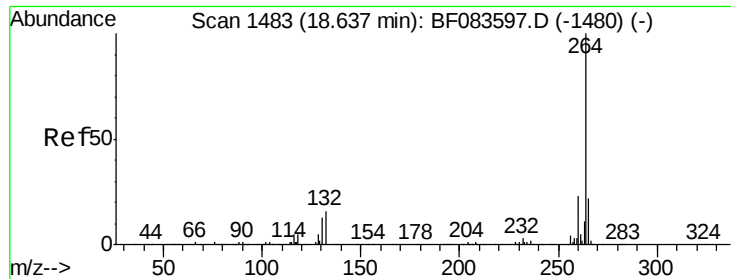


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



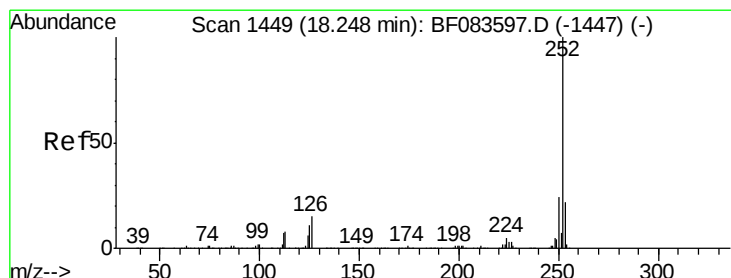
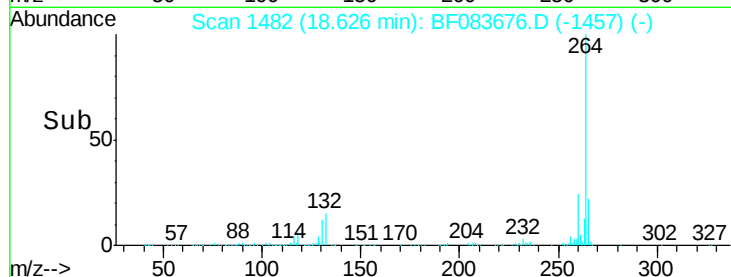
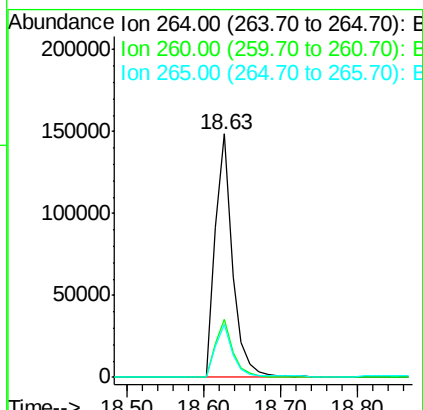
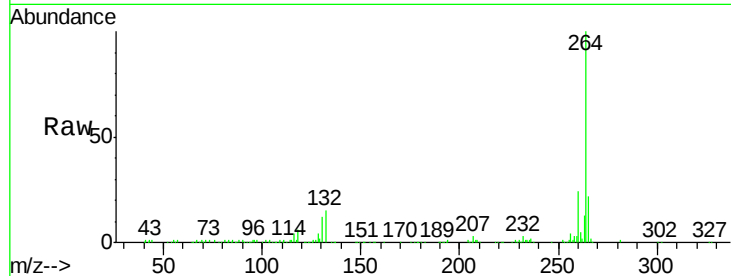


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-05(8-14)DL

Tgt Ion: 264 Resp: 233692

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	21.8	17.8	26.6



#87
Benzo(b)fluoranthene
Concen: 2.08 ng
RT: 18.26 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF083676.D
Acq: 10 Dec 2015 10:14

Tgt Ion: 252 Resp: 27656

Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.2	27.4
125	15.1	8.2	12.4

