

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083652.D
 Acq On : 9 Dec 2015 21:31
 Operator : UM/IZ
 Sample : G4585-01DL 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(0-6)DL

Quant Time: Dec 10 00:40:00 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

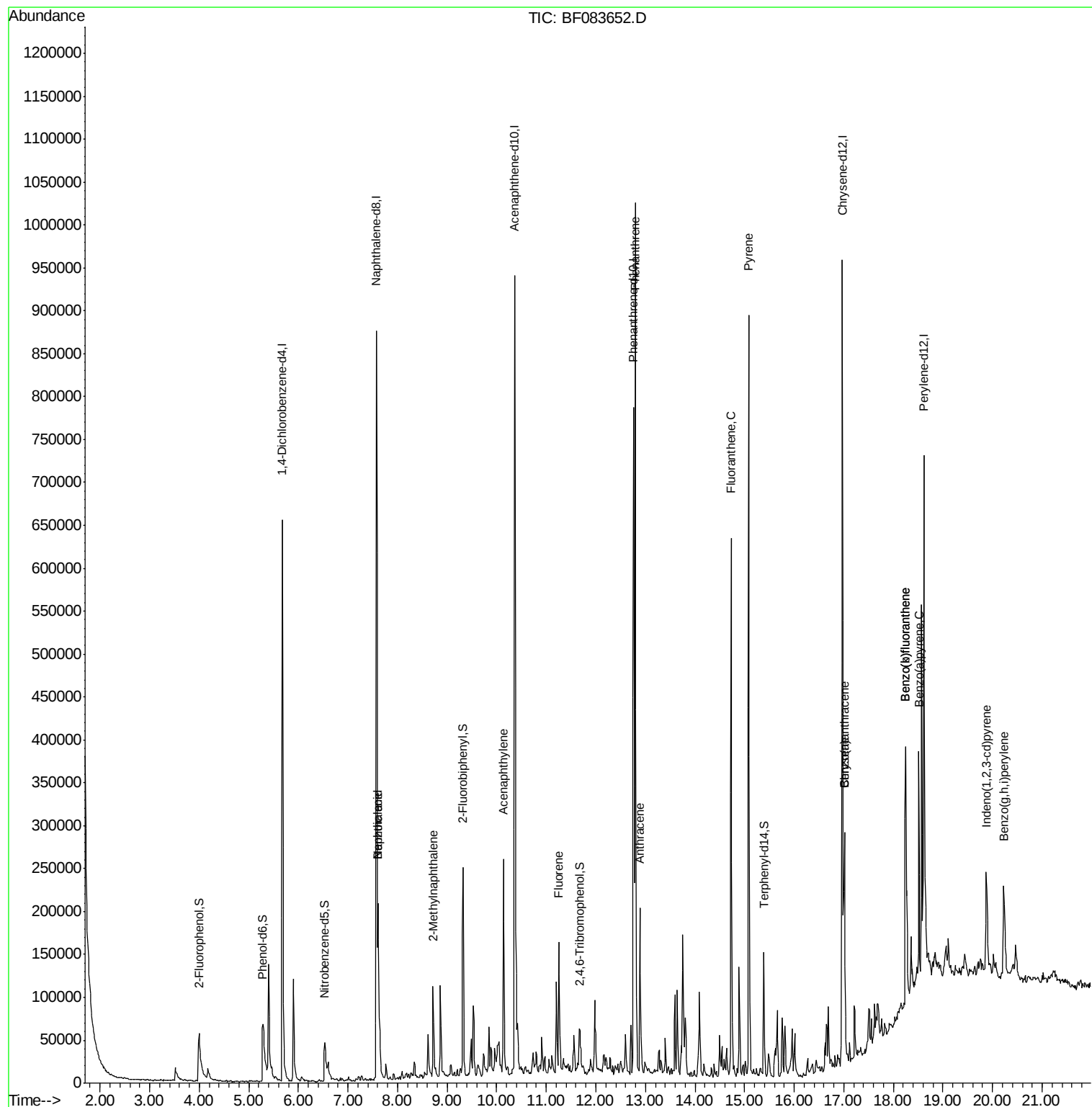
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	145139	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	573890	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	257467	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	396151	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	323764	20.00	ng	-0.02
86) Perylene-d12	18.61	264	278611	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.00	112	65938	6.89	ng	0.02
7) Phenol-d6	5.29	99	99348	7.77	ng	0.01
23) Nitrobenzene-d5	6.53	82	62587	5.09	ng	0.00
41) 2,4,6-Tribromophenol	11.68	330	11284	4.92	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	115790	6.33	ng	-0.02
78) Terphenyl-d14	15.39	244	76882	5.59	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.61	128	158771	5.22	ng	100
32) Benzoic acid	7.61	122	235	3.07	ng	# 1
37) 2-Methylnaphthalene	8.72	142	46293	2.42	ng	96
48) Acenaphthylene	10.13	152	169306	6.08	ng	98
57) Fluorene	11.25	166	74301	3.85	ng	98
70) Phenanthrene	12.80	178	551048	24.21	ng	98
71) Anthracene	12.89	178	134423	5.70	ng	97
74) Fluoranthene	14.73	202	396290	17.02	ng	99
77) Pyrene	15.08	202	546391	23.44	ng	99
80) Benzo(a)anthracene	17.01	228	162689	8.59	ng	98
82) Chrysene	17.01	228	162689	8.56	ng	97
85) Indeno(1,2,3-cd)pyrene	19.87	276	86741	6.76	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	236626	14.91	ng	97
88) Benzo(k)fluoranthene	18.25	252	236626	13.54	ng	97
89) Benzo(a)pyrene	18.51	252	112092	7.24	ng	98
91) Benzo(g,h,i)perylene	20.23	276	101224	8.77	ng	97

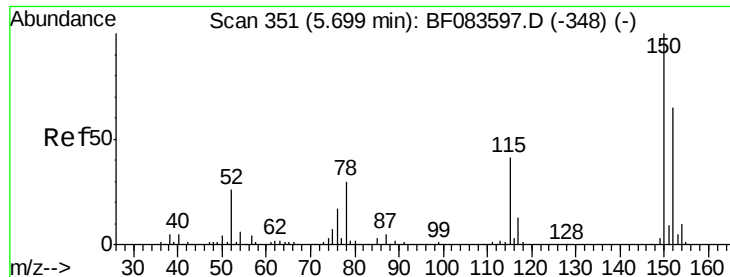
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.68 min Scan# 349

Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-10(0-6)DL

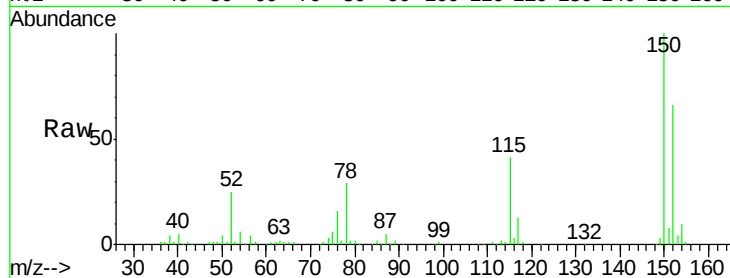
Tgt Ion:152 Resp: 145139

Ion Ratio Lower Upper

152 100

150 152.0 126.5 189.7

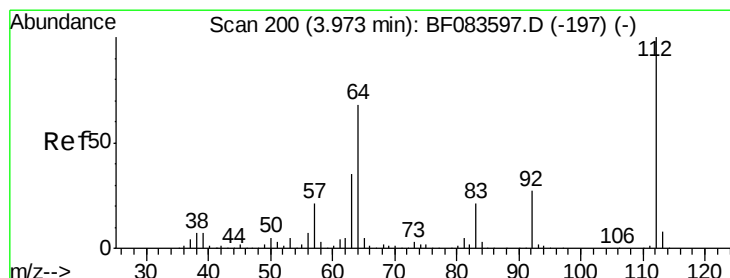
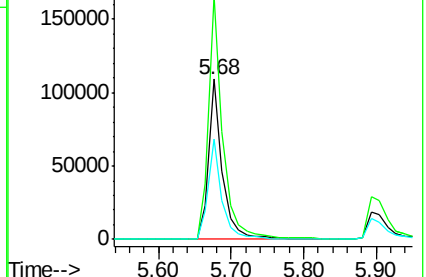
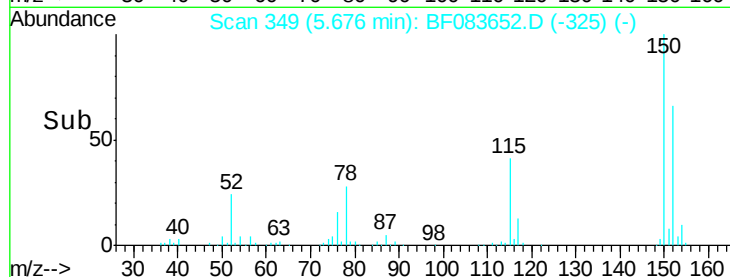
115 62.7 52.3 78.5



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: 6.89 ng

RT: 4.00 min Scan# 202

Delta R.T. 0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

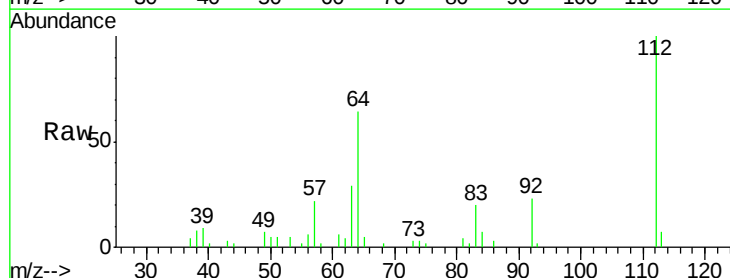
Tgt Ion:112 Resp: 65938

Ion Ratio Lower Upper

112 100

64 64.4 50.5 75.7

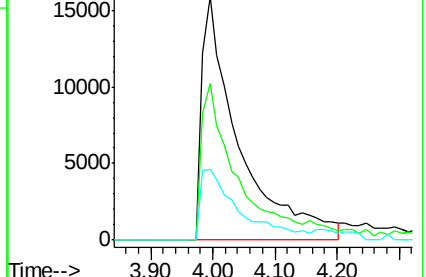
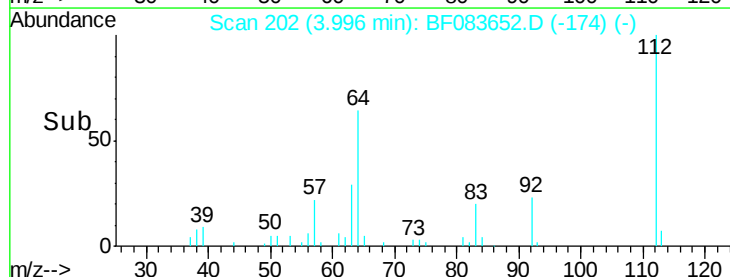
63 29.0 25.8 38.6

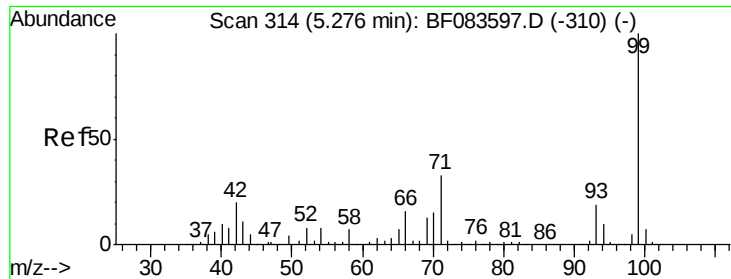


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.77 ng

RT: 5.29 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-10(0-6)DL

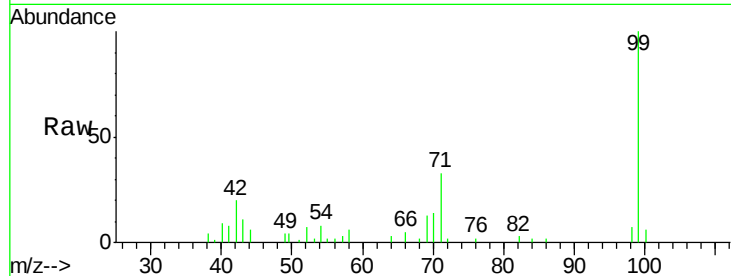
Tgt Ion: 99 Resp: 99348

Ion Ratio Lower Upper

99 100

42 19.5 17.3 25.9

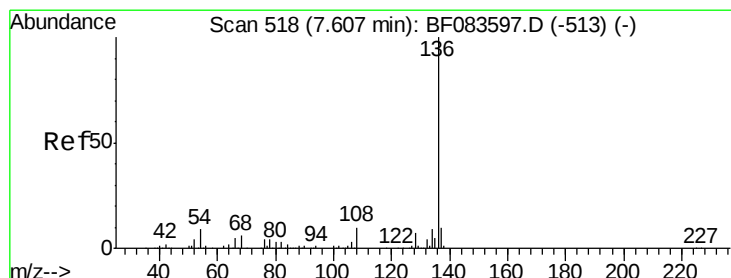
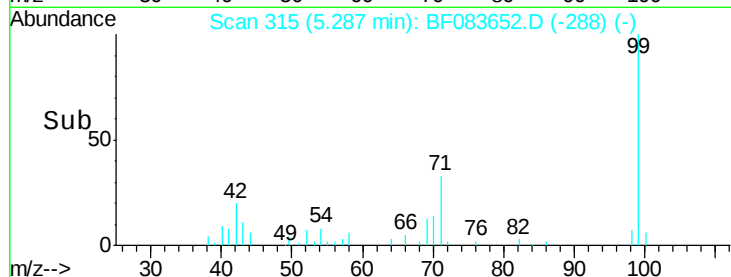
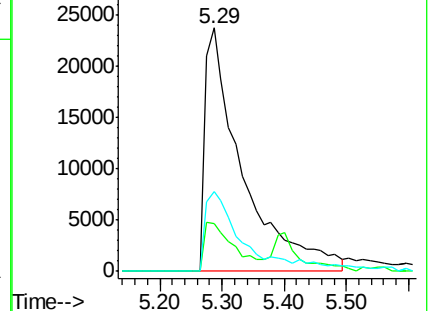
71 32.9 26.6 40.0



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: BF083652.D

Acq: 9 Dec 2015 21:31

Tgt Ion: 136 Resp: 573890

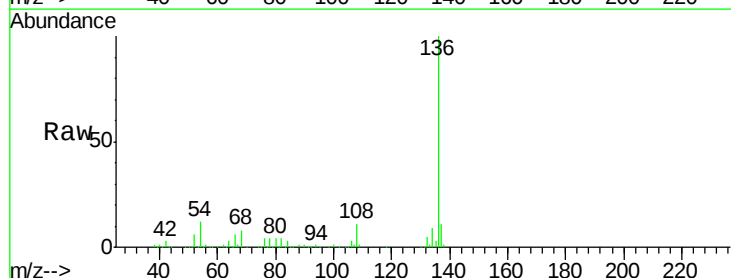
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 11.7 7.8 11.6#

68 7.8 5.7 8.5

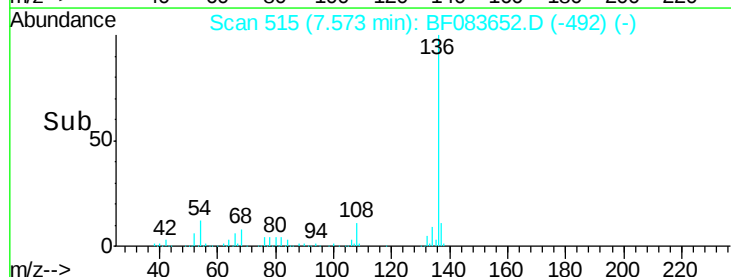
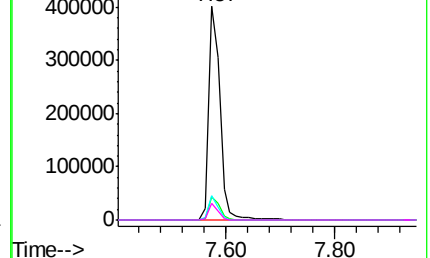


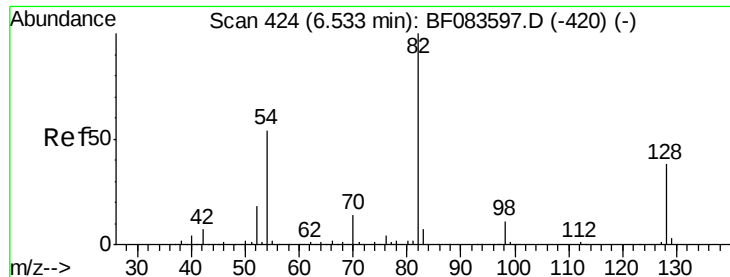
Abundance Ion 136.00 (135.70 to 136.70): E

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

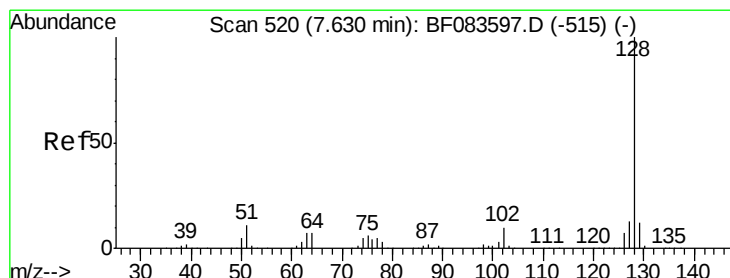
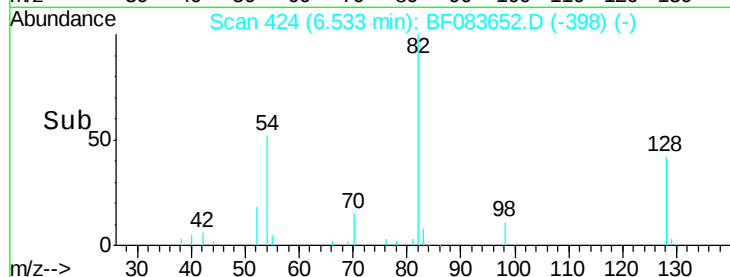
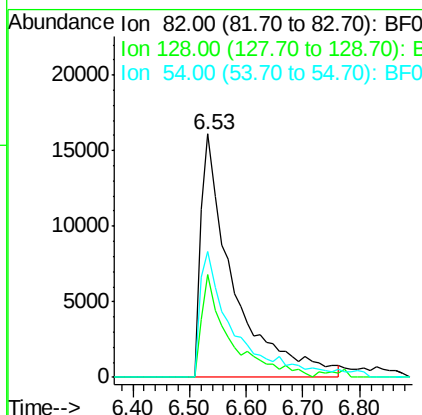
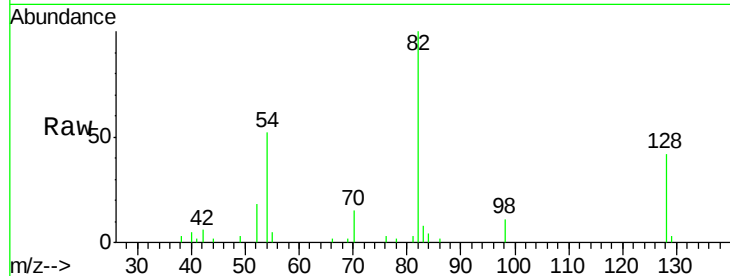




#23
Nitrobenzene-d5
Concen: 5.09 ng
RT: 6.53 min Scan# 424
Delta R.T. 0.00 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

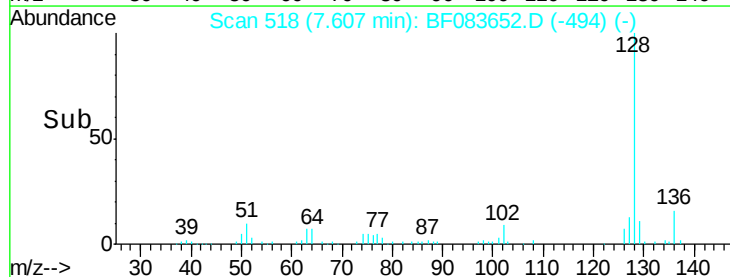
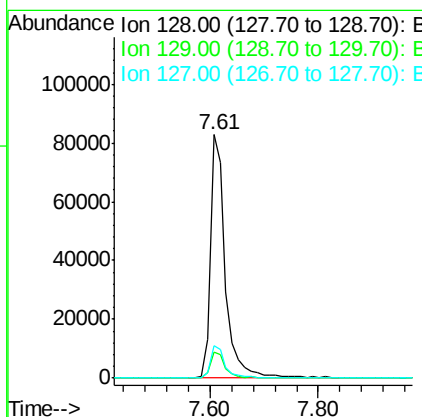
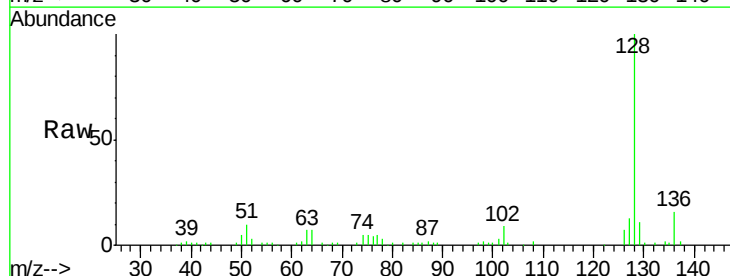
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

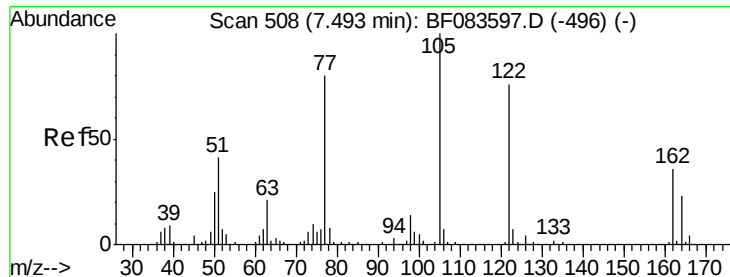
Tgt Ion: 82 Resp: 62587
Ion Ratio Lower Upper
82 100
128 42.3 30.7 46.1
54 51.8 42.5 63.7



#31
Naphthalene
Concen: 5.22 ng
RT: 7.61 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Tgt Ion: 128 Resp: 158771
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.4 10.6 16.0





#32

Benzoic acid

Concen: 3.07 ng

RT: 7.61 min Scan# 518

Delta R.T. 0.12 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-10(0-6)DL

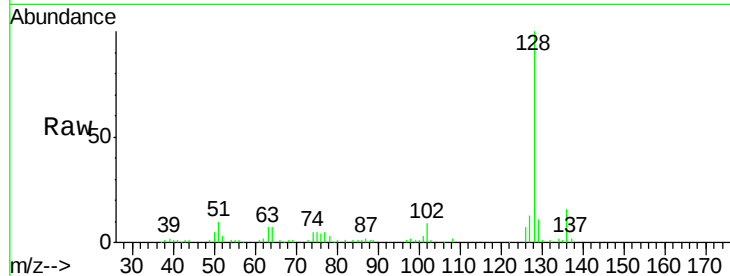
Tgt Ion:122 Resp: 235

Ion Ratio Lower Upper

122 100

105 0.0 105.6 145.6#

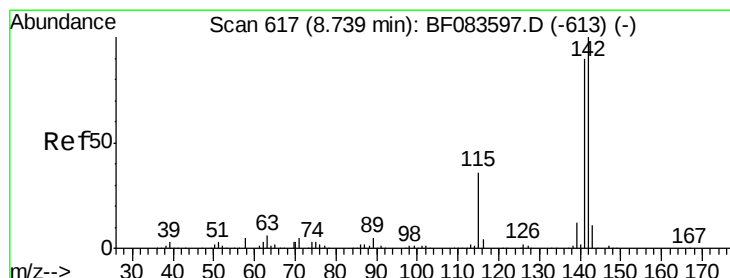
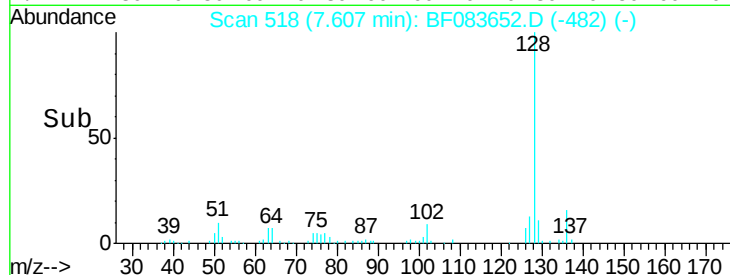
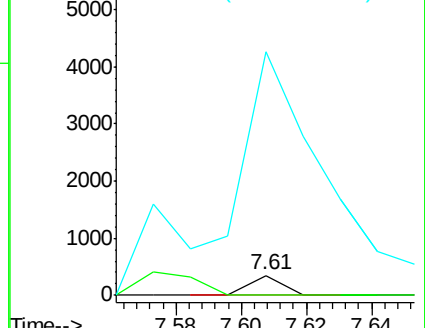
77 1242.9 86.8 126.8#



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



#37

2-Methylnaphthalene

Concen: 2.42 ng

RT: 8.72 min Scan# 615

Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

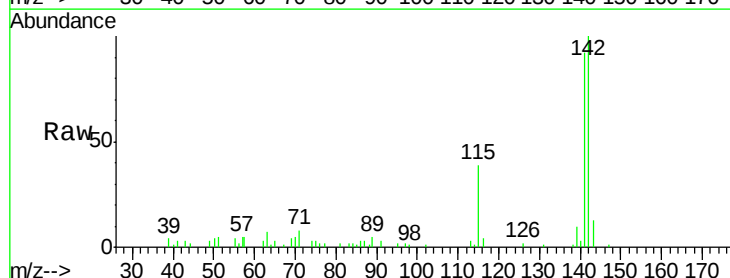
Tgt Ion:142 Resp: 46293

Ion Ratio Lower Upper

142 100

141 92.2 70.3 105.5

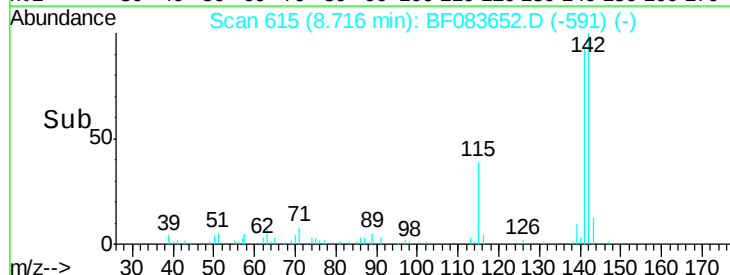
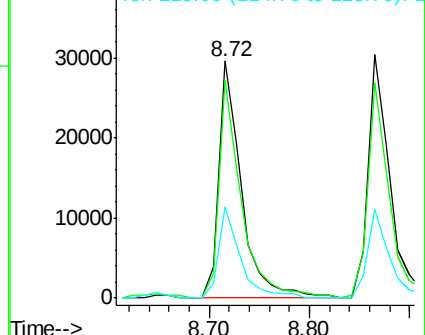
115 38.7 29.2 43.8

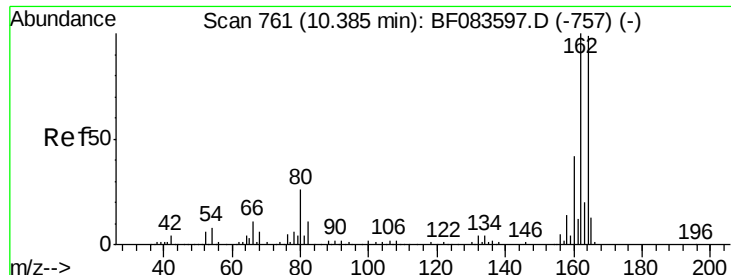


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

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ClientSampleId :

SB-P3WC-10(0-6)DL

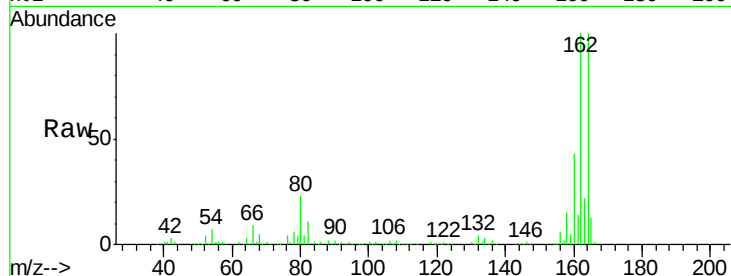
Tgt Ion:164 Resp: 257467

Ion Ratio Lower Upper

164 100

162 99.9 78.8 118.2

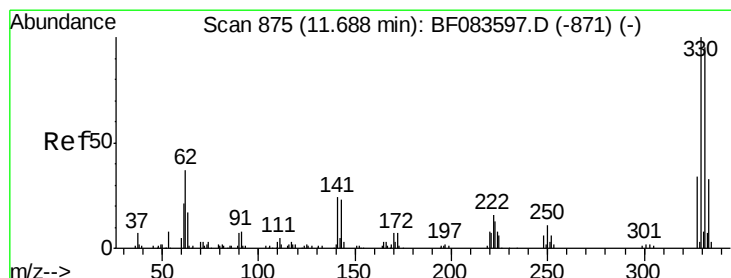
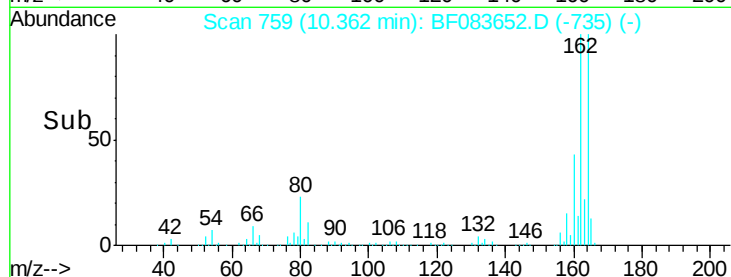
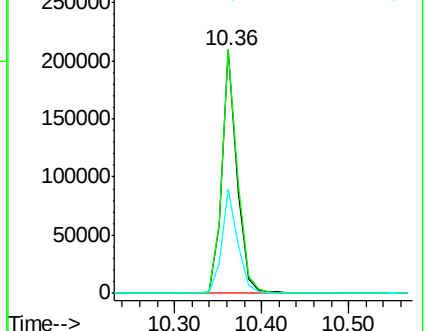
160 42.5 33.4 50.2



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: 4.92 ng

RT: 11.68 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

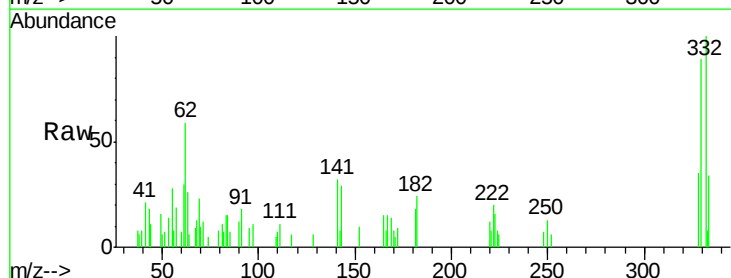
Tgt Ion:330 Resp: 11284

Ion Ratio Lower Upper

330 100

332 99.1 0.0 0.0#

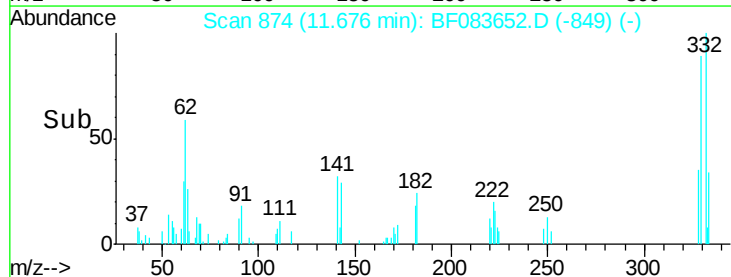
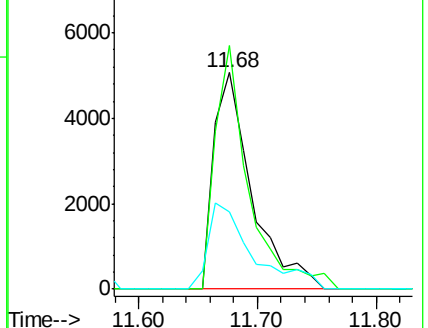
141 46.5 0.0 0.0#

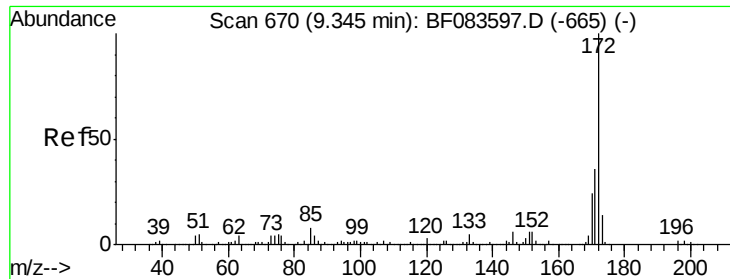


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 6.33 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

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SB-P3WC-10(0-6)DL

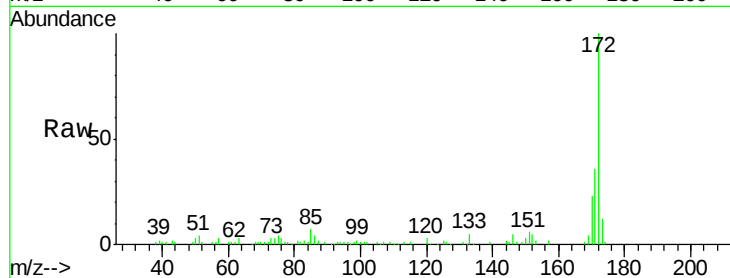
Tgt Ion:172 Resp: 115790

Ion Ratio Lower Upper

172 100

171 35.9 28.6 42.8

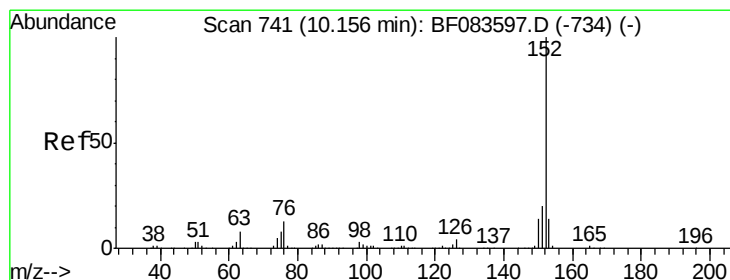
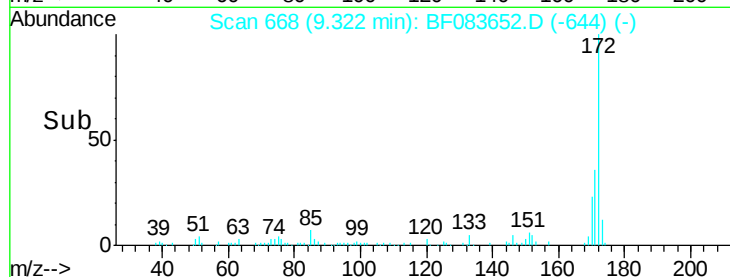
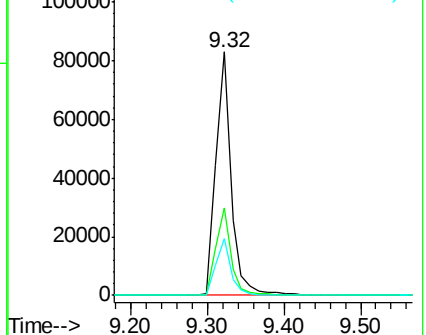
170 23.4 19.4 29.0



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



#48

Acenaphthylene

Concen: 6.08 ng

RT: 10.13 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

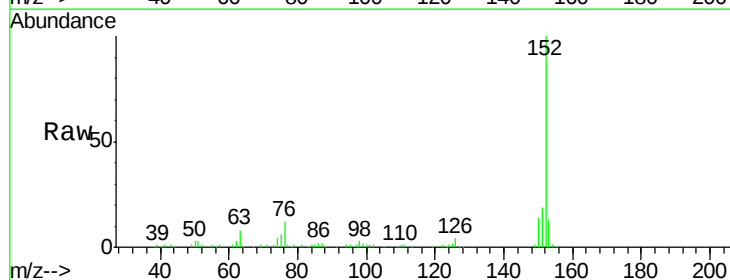
Tgt Ion:152 Resp: 169306

Ion Ratio Lower Upper

152 100

151 19.1 16.3 24.5

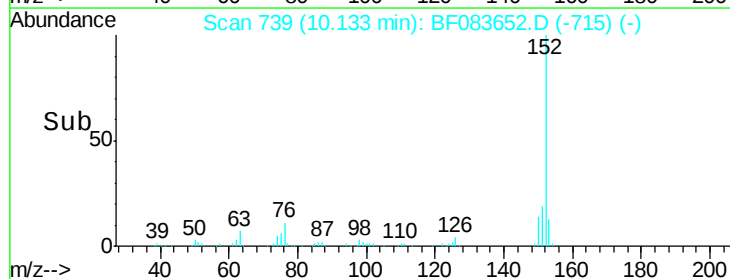
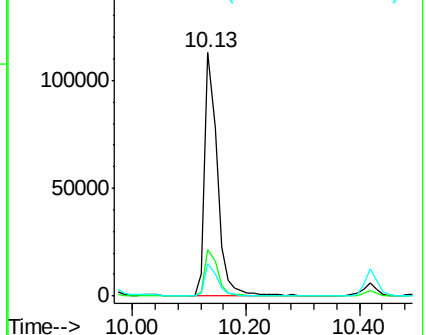
153 13.2 10.8 16.2

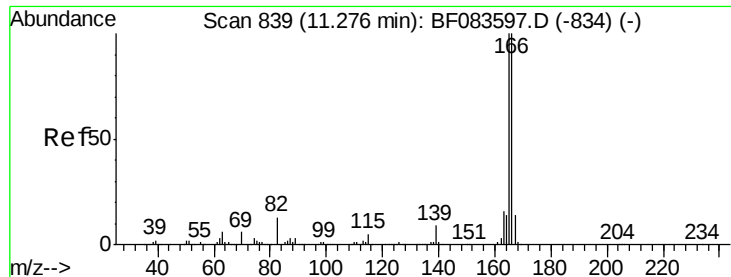


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

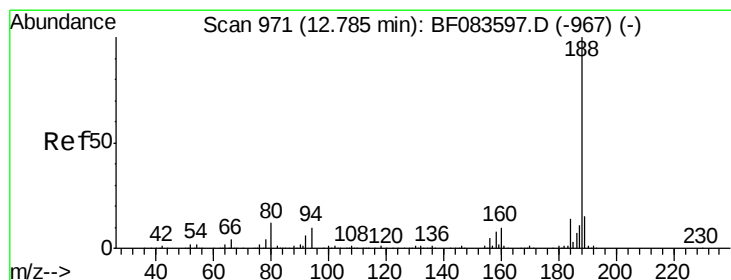
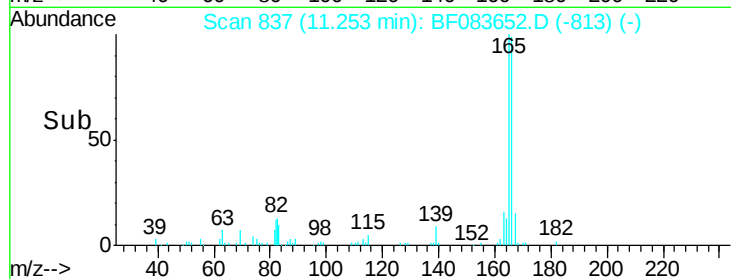
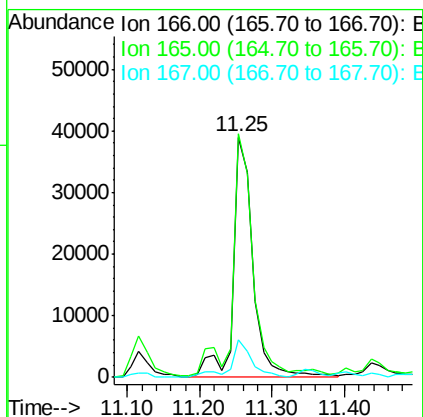
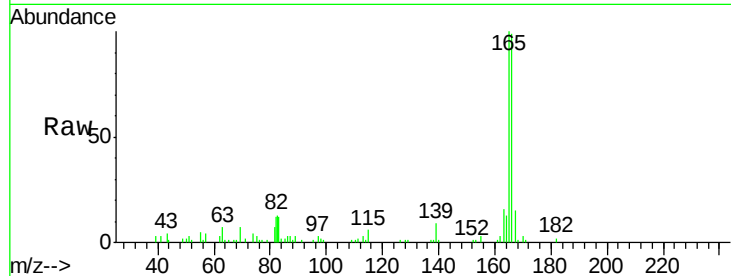




#57
Fluorene
 Concen: 3.85 ng
 RT: 11.25 min Scan# 837
 Delta R.T. -0.02 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

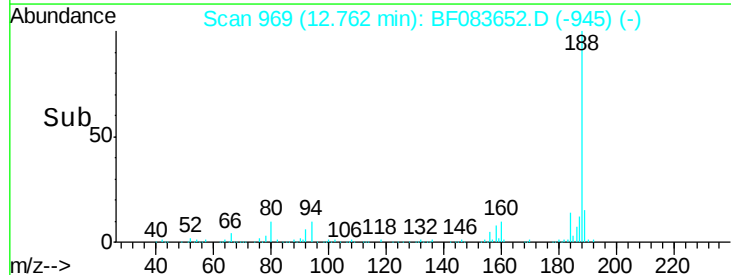
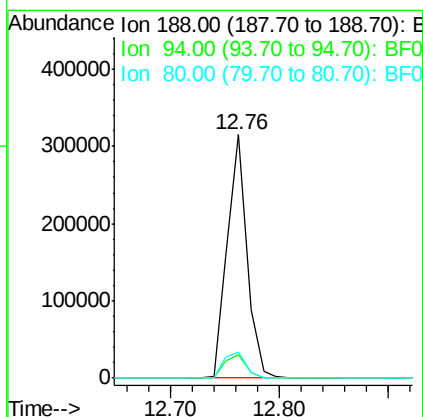
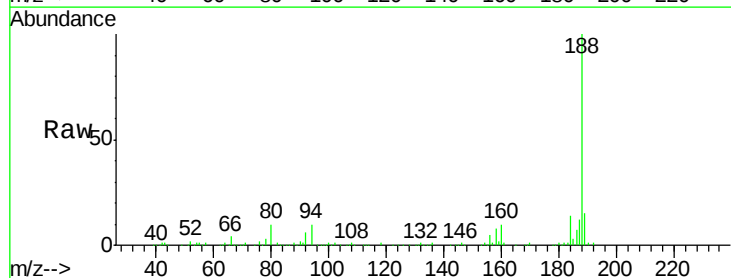
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(0-6)DL

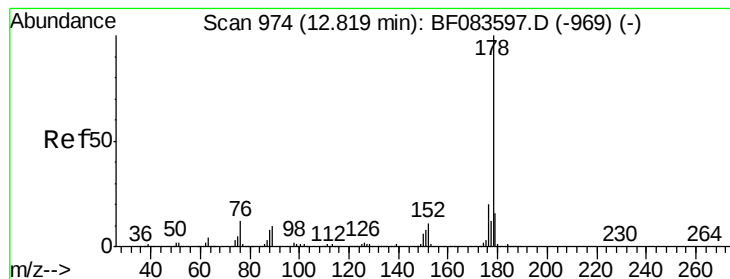
Tgt Ion:166 Resp: 74301
 Ion Ratio Lower Upper
 166 100
 165 101.3 80.0 120.0
 167 15.4 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.76 min Scan# 969
 Delta R.T. -0.02 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

Tgt Ion:188 Resp: 396151
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.4 14.2
 80 10.5 10.6 16.0#





#70

Phenanthrene

Concen: 24.21 ng

RT: 12.80 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-10(0-6)DL

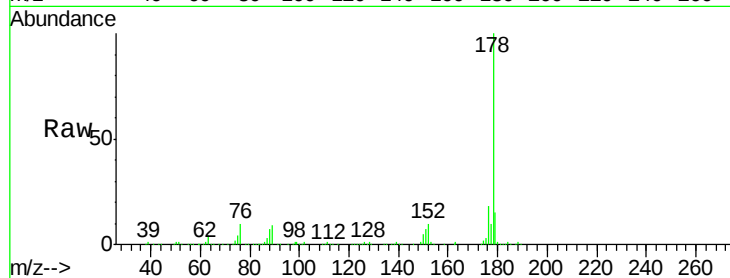
Tgt Ion:178 Resp: 551048

Ion Ratio Lower Upper

178 100

176 18.2 15.7 23.5

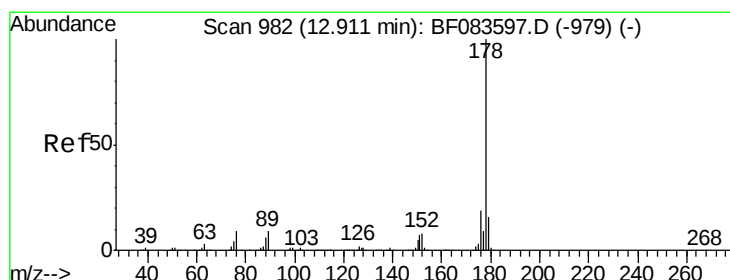
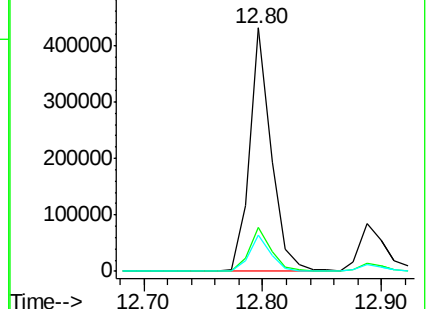
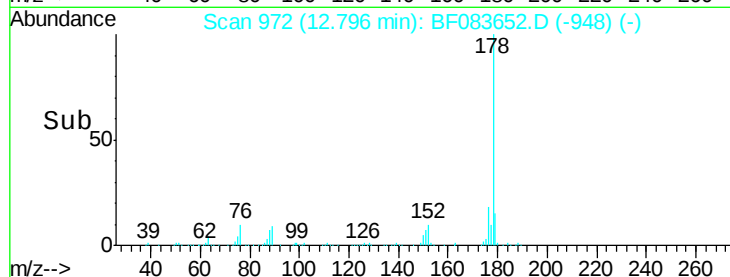
179 14.9 12.2 18.4



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: 5.70 ng

RT: 12.89 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

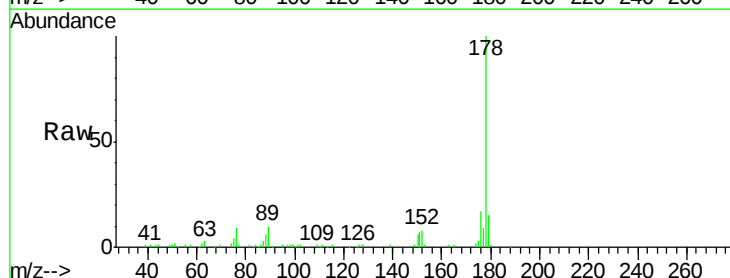
Tgt Ion:178 Resp: 134423

Ion Ratio Lower Upper

178 100

176 17.3 15.2 22.8

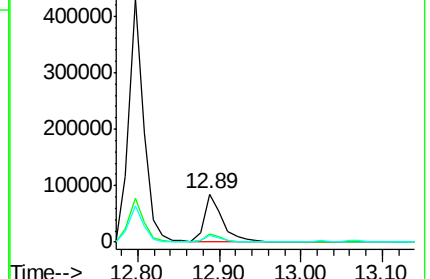
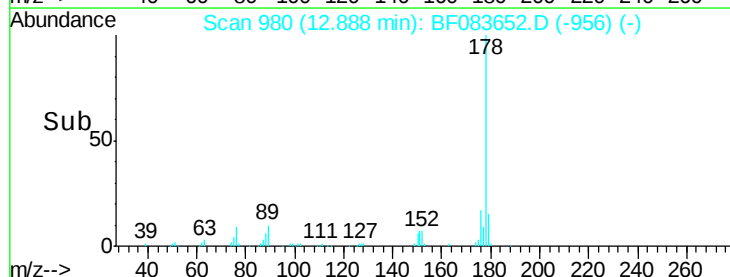
179 14.7 12.6 18.8

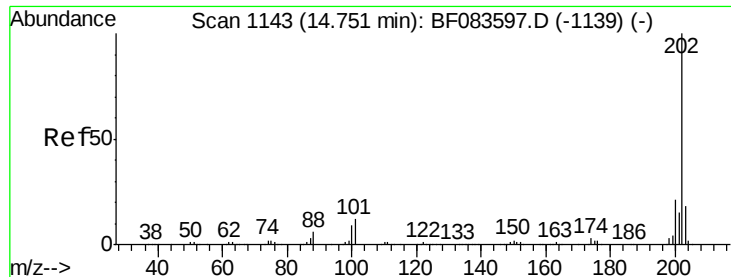


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

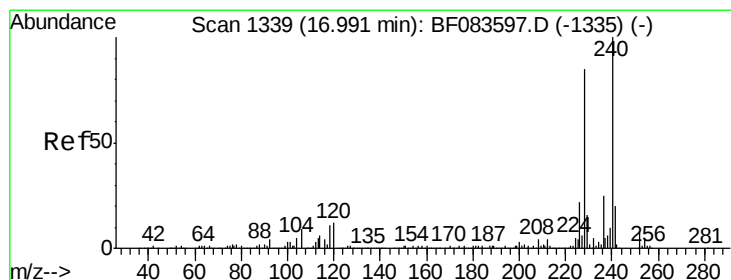
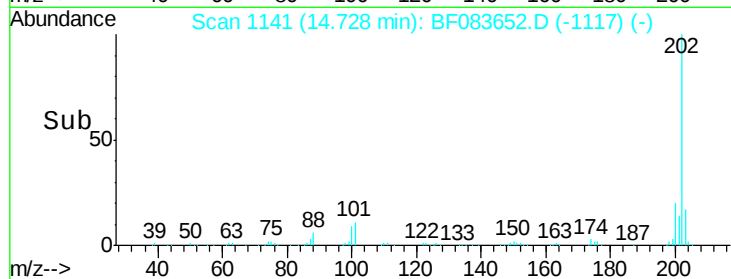
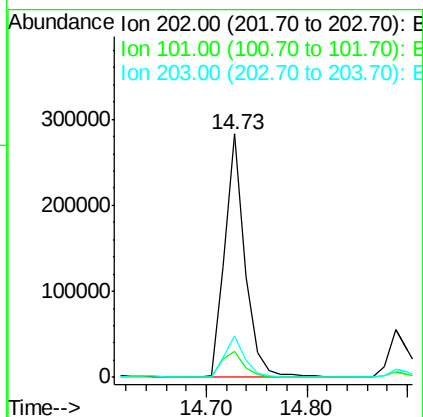
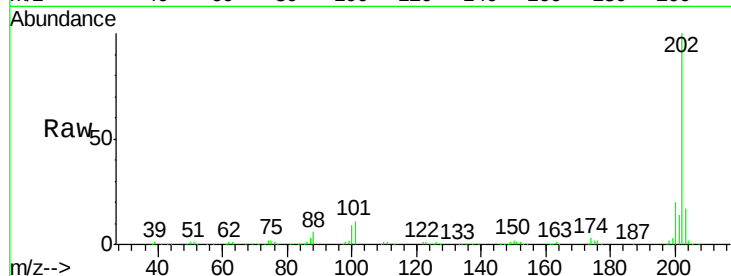




#74
 Fluoranthene
 Concen: 17.02 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

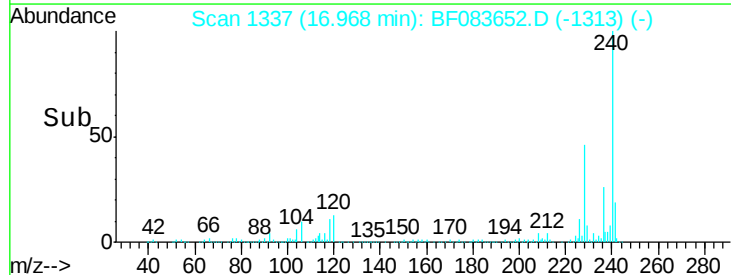
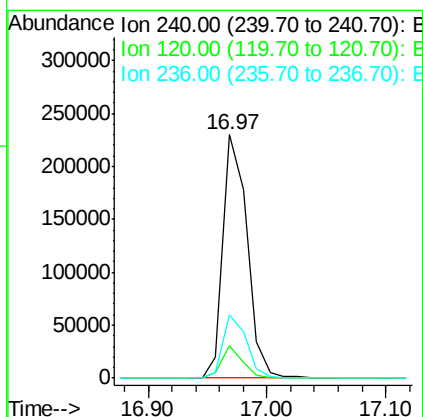
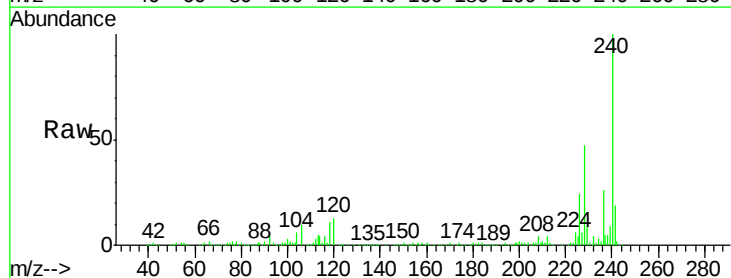
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(0-6)DL

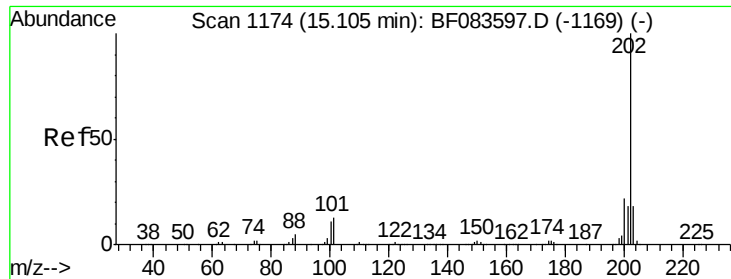
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.5
203	17.2	0.0	37.6



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.97 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.1	12.1#
236	25.7	20.8	31.2

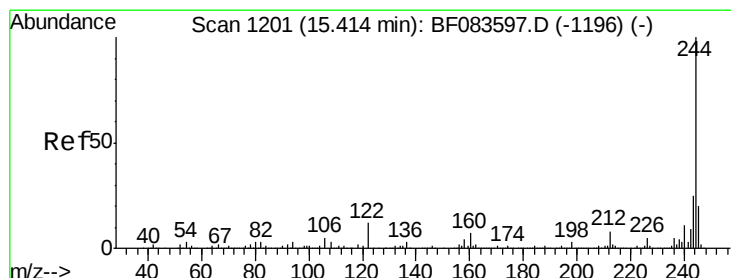
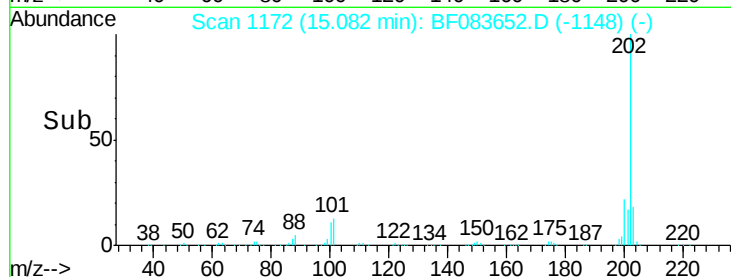
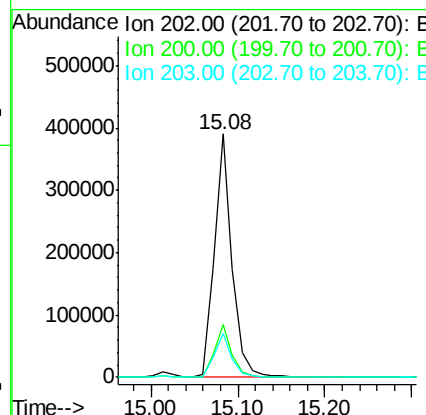
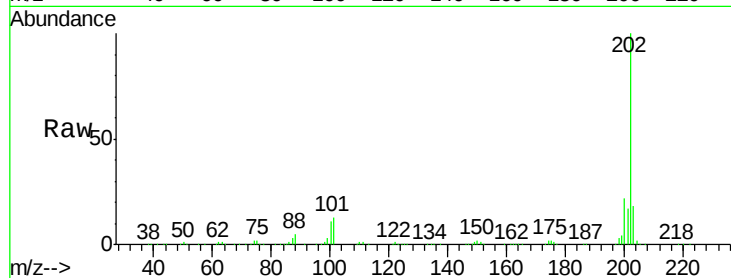




#77
 Pyrene
 Concen: 23.44 ng
 RT: 15.08 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

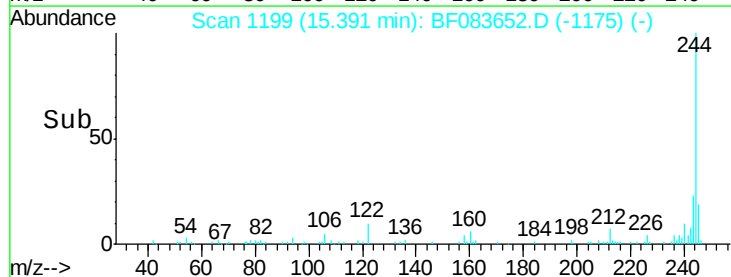
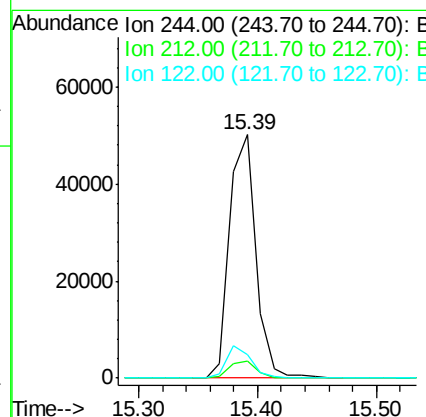
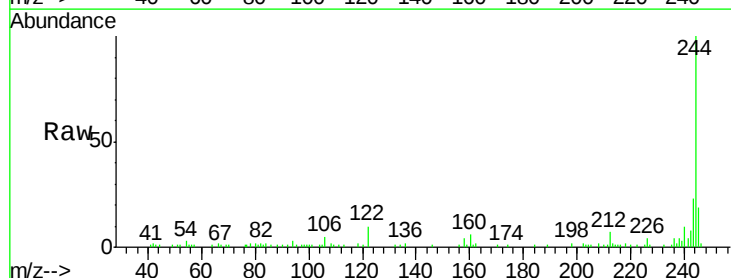
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-10(0-6)DL

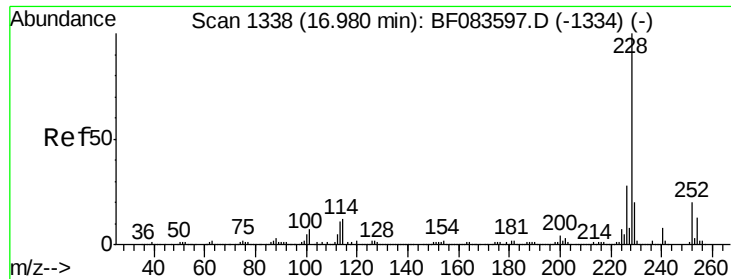
Tgt Ion: 202 Resp: 546391
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.7 25.1
 203 18.3 14.3 21.5



#78
 Terphenyl-d14
 Concen: 5.59 ng
 RT: 15.39 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF083652.D
 Acq: 9 Dec 2015 21:31

Tgt Ion: 244 Resp: 76882
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 9.7 11.0 16.6#

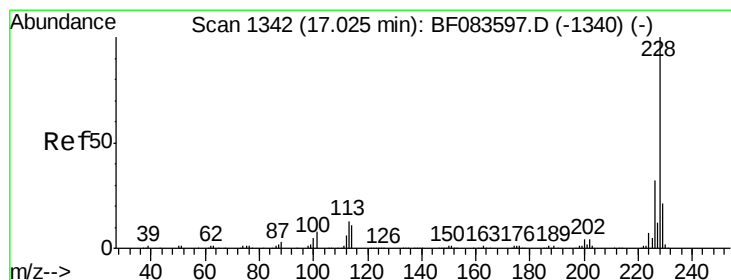
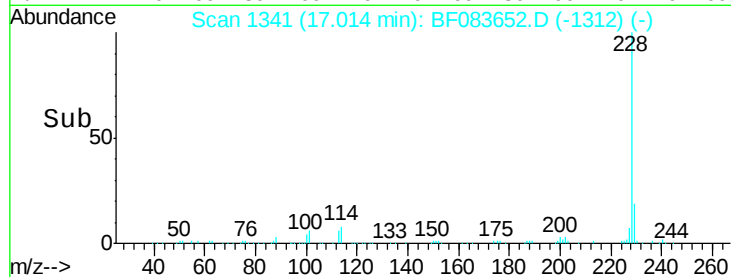
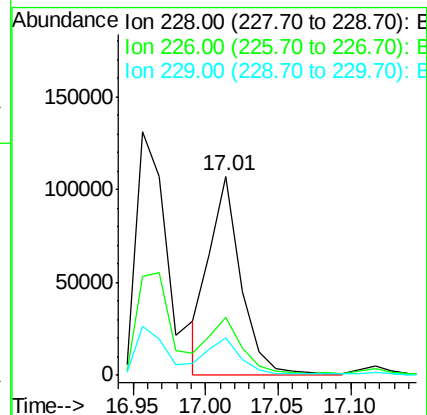
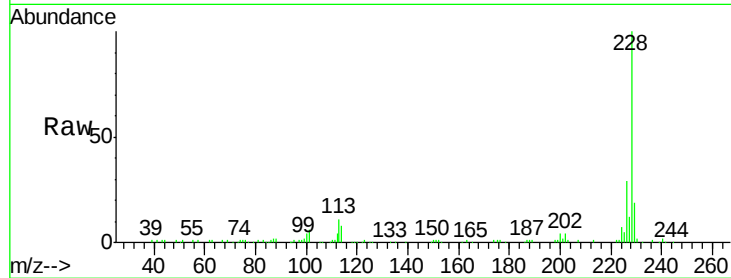




#80
Benzo(a)anthracene
Concen: 8.59 ng
RT: 17.01 min Scan# 1341
Delta R.T. 0.03 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

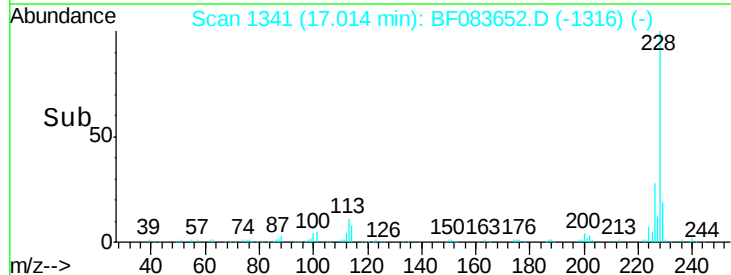
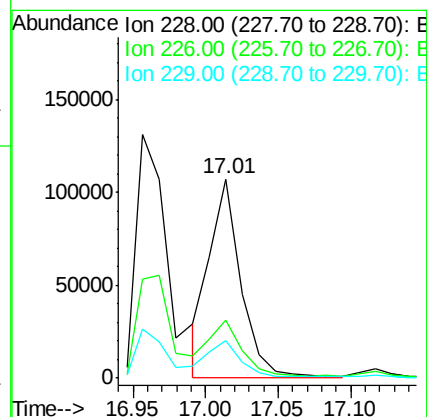
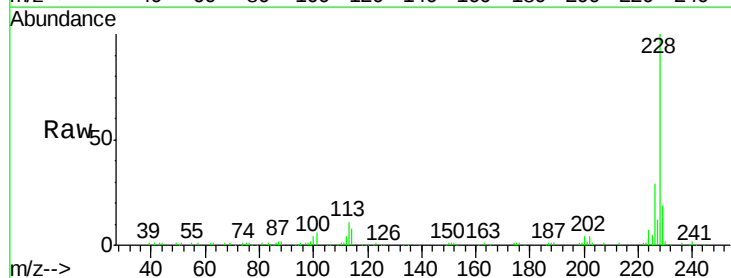
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

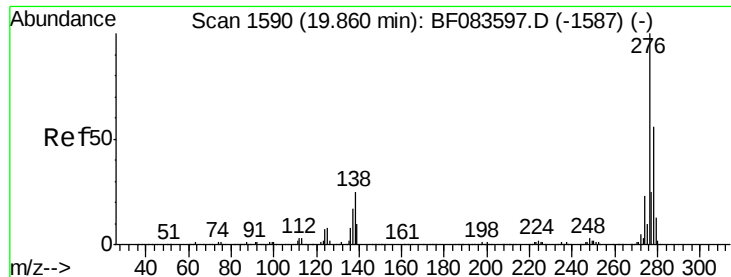
Tgt Ion:228 Resp: 162689
Ion Ratio Lower Upper
228 100
226 29.5 22.3 33.5
229 19.1 15.7 23.5



#82
Chrysene
Concen: 8.56 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Tgt Ion:228 Resp: 162689
Ion Ratio Lower Upper
228 100
226 29.5 24.7 37.1
229 19.1 16.3 24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.76 ng

RT: 19.87 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-10(0-6)DL

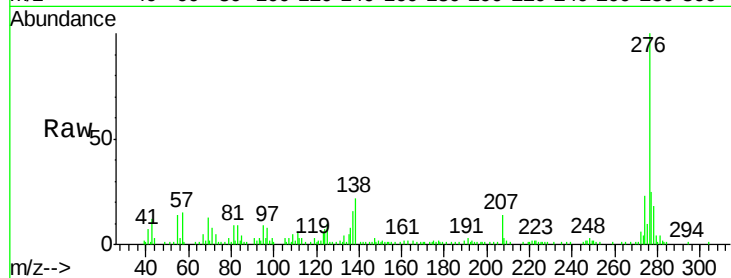
Tgt Ion:276 Resp: 86741

Ion Ratio Lower Upper

276 100

138 27.0 0.0 0.0#

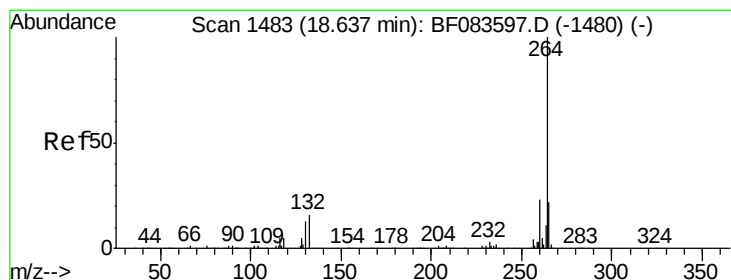
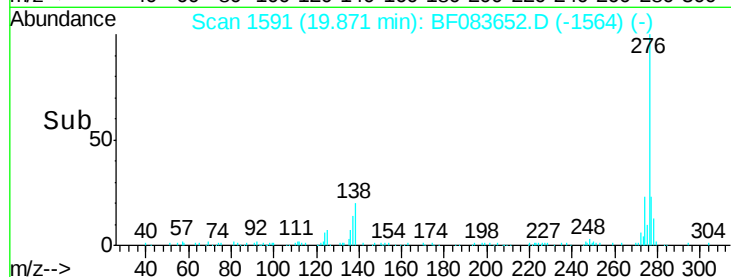
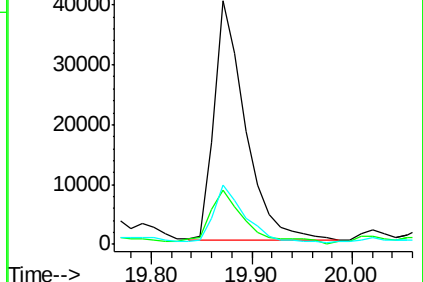
277 23.4 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.61 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

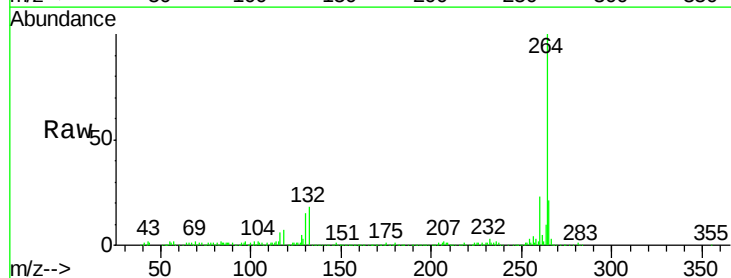
Tgt Ion:264 Resp: 278611

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

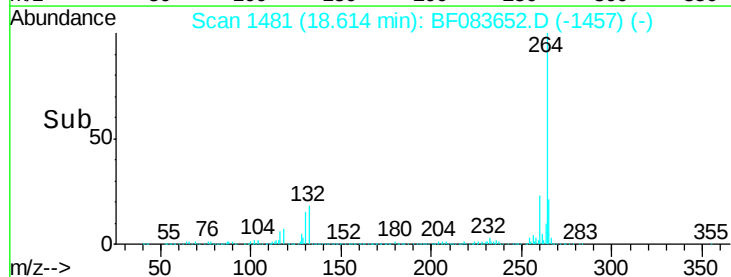
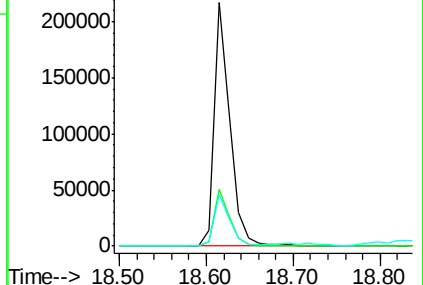
265 21.1 17.8 26.6

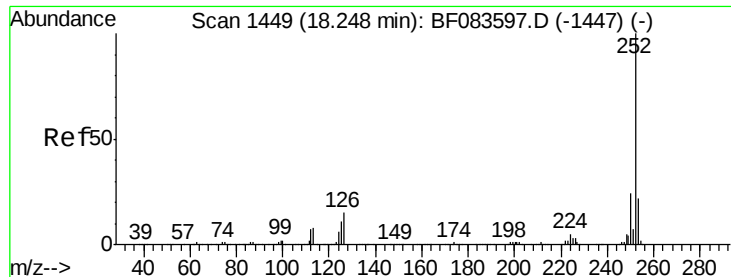


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

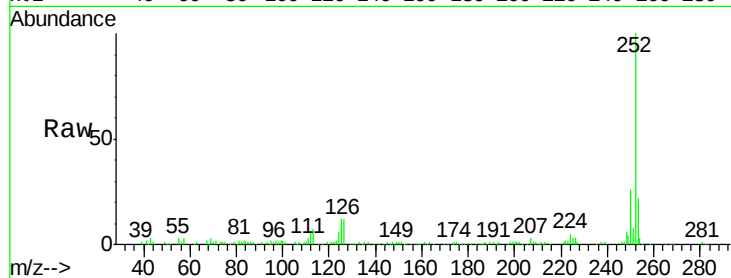




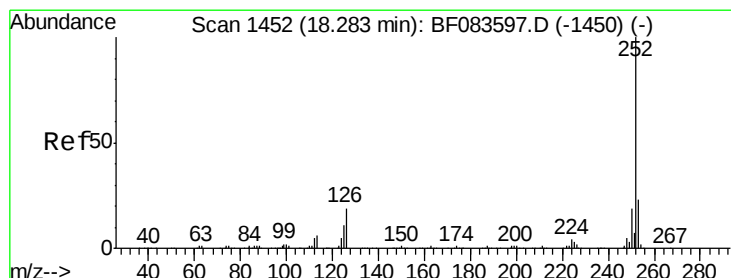
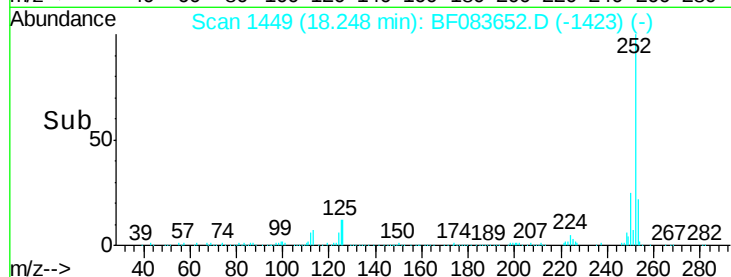
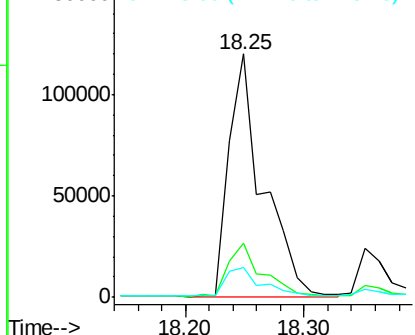
#87
Benzo(b)fluoranthene
Concen: 14.91 ng
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-10(0-6)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	12.3	8.2	12.4

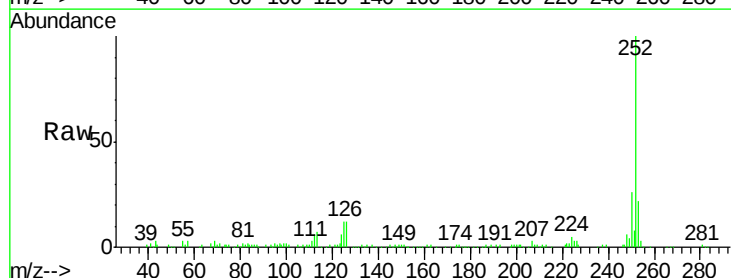


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

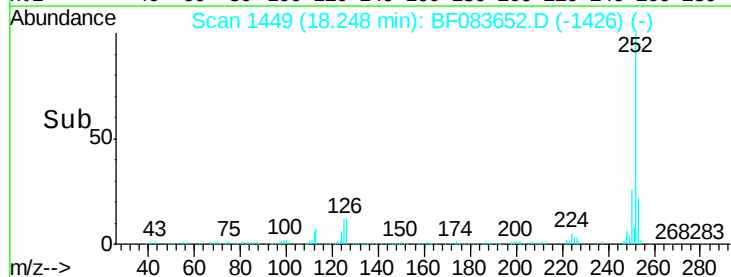
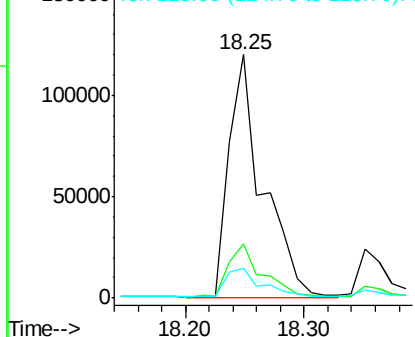


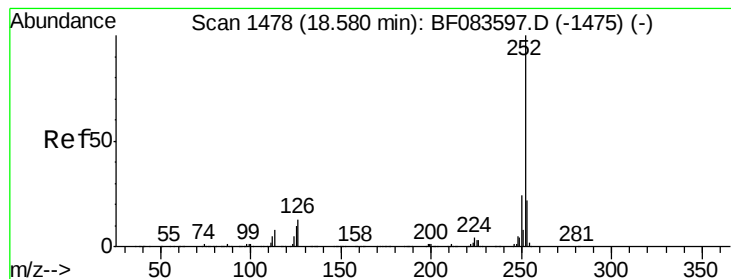
#88
Benzo(k)fluoranthene
Concen: 13.54 ng
RT: 18.25 min Scan# 1449
Delta R.T. -0.03 min
Lab File: BF083652.D
Acq: 9 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.6	27.8
125	12.3	11.5	17.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.24 ng

RT: 18.51 min Scan# 1472

Delta R.T. -0.07 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-10(0-6)DL

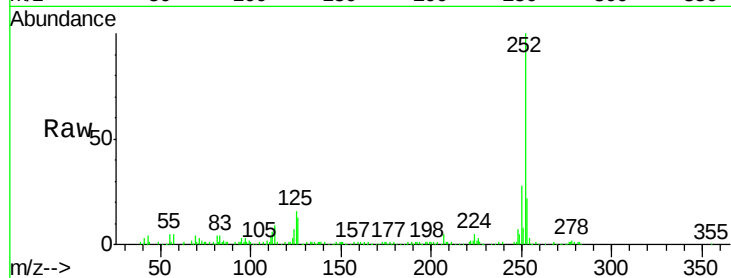
Tgt Ion:252 Resp: 112092

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

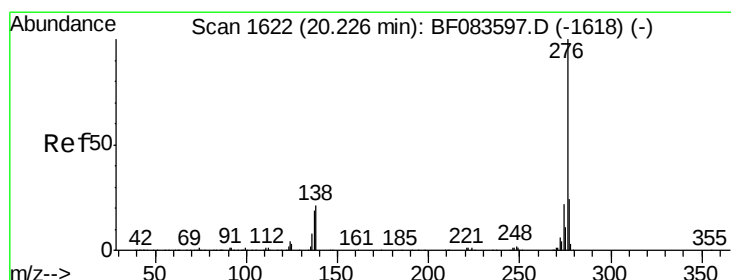
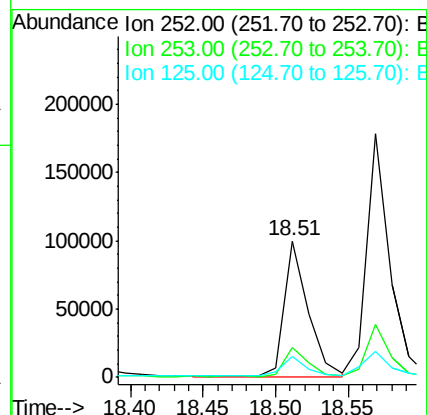
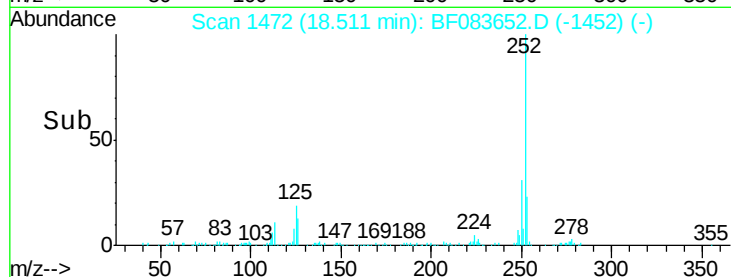
125 15.8 11.0 16.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.77 ng

RT: 20.23 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BF083652.D

Acq: 9 Dec 2015 21:31

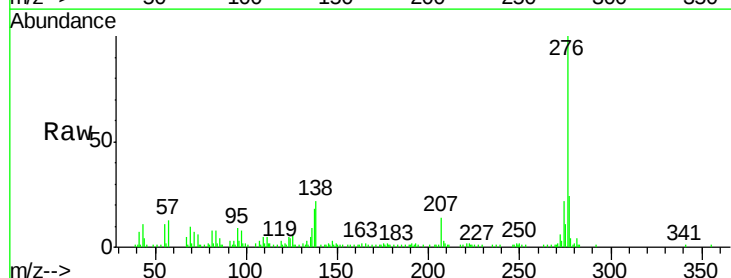
Tgt Ion:276 Resp: 101224

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 21.7 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

