

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121015\
 Data File : BF083686.D
 Acq On : 10 Dec 2015 20:31
 Operator : UM/IZ
 Sample : G4582-13DL 40X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-06(6-13)DL

Quant Time: Dec 11 01:04:10 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	5.62	152	147025	20.00	ng	-0.08
21) Naphthalene-d8	7.50	136	561767	20.00	ng	-0.10
38) Acenaphthene-d10	10.29	164	273363	20.00	ng	-0.09
63) Phenanthrene-d10	12.69	188	481027	20.00	ng	-0.09
75) Chrysene-d12	16.91	240	392288	20.00	ng	-0.08
86) Perylene-d12	18.57	264	305636	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	4.12	112	9131	0.94	ng	0.15
7) Phenol-d6	5.34	99	24408	1.88	ng	0.07
23) Nitrobenzene-d5	6.45	82	1331	0.11	ng	-0.08
41) 2,4,6-Tribromophenol	11.63	330	5426	2.23	ng	-0.06
44) 2-Fluorobiphenyl	9.26	172	44219	2.28	ng	-0.08
78) Terphenyl-d14	15.32	244	41766	2.51	ng	-0.09

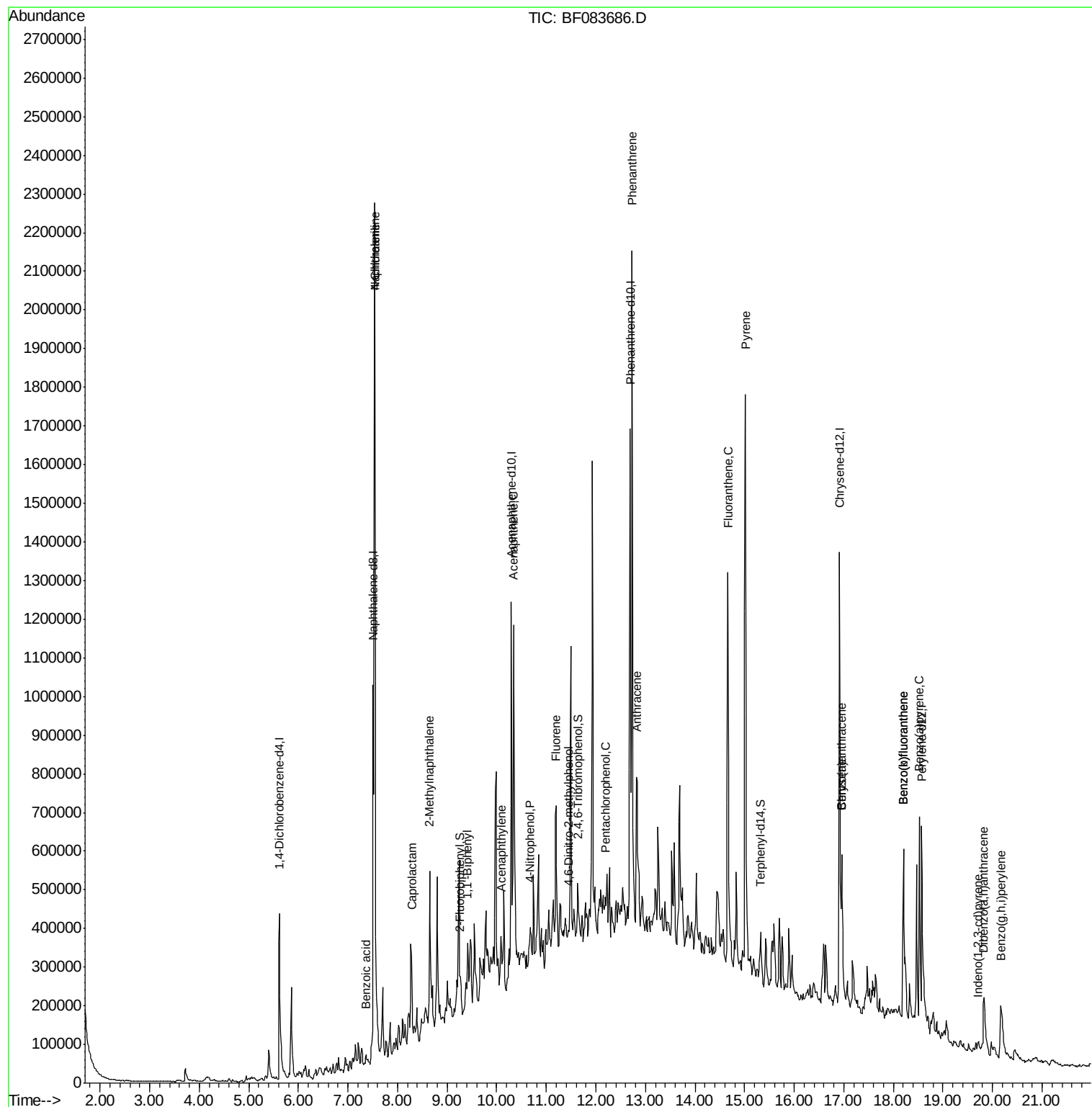
Target Compounds				Qvalue		
31) Naphthalene	7.54	128	1546112	51.97	ng	99
32) Benzoic acid	7.37	122	224	3.07	ng	# 25
33) 4-Chloroaniline	7.54	127	201507	18.57	ng	# 27
35) Caprolactam	8.28	113	8076	3.20	ng	# 17
37) 2-Methylnaphthalene	8.65	142	190927	10.22	ng	99
45) 1,1'-Biphenyl	9.41	154	82204	3.46	ng	98
48) Acenaphthylene	10.09	152	90039	3.04	ng	97
51) Acenaphthene	10.34	154	312149	18.43	ng	100
55) 4-Nitrophenol	10.67	139	13359	6.35	ng	# 35
57) Fluorene	11.20	166	178396	8.70	ng	99
64) 4,6-Dinitro-2-methylphenol	11.45	198	236	2.02	ng	# 1
69) Pentachlorophenol	12.19	266	274	8.33	ng	# 18
70) Phenanthrene	12.73	178	1020048	36.91	ng	99
71) Anthracene	12.82	178	345997	12.09	ng	97
74) Fluoranthene	14.66	202	726388	25.69	ng	100
77) Pyrene	15.01	202	1076335	38.11	ng	99
80) Benzo(a)anthracene	16.96	228	313097	13.64	ng	93
82) Chrysene	16.96	228	313097	13.60	ng	98
85) Indeno(1,2,3-cd)pyrene	19.71	276	36387	2.34	ng	# 100
87) Benzo(b)fluoranthene	18.20	252	405698	23.31	ng	97
88) Benzo(k)fluoranthene	18.20	252	405698	21.16	ng	96
89) Benzo(a)pyrene	18.52	252	291619	17.17	ng	97
90) Dibenzo(a,h)anthracene	19.83	278	35040	2.70	ng	# 83
91) Benzo(g,h,i)perylene	20.17	276	191400	15.12	ng	97

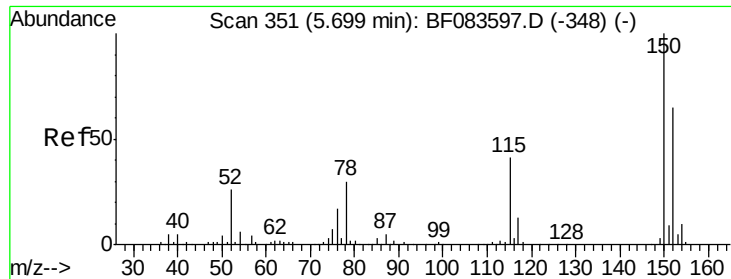
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.62 min Scan# 344

Delta R.T. -0.08 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-06(6-13)DL

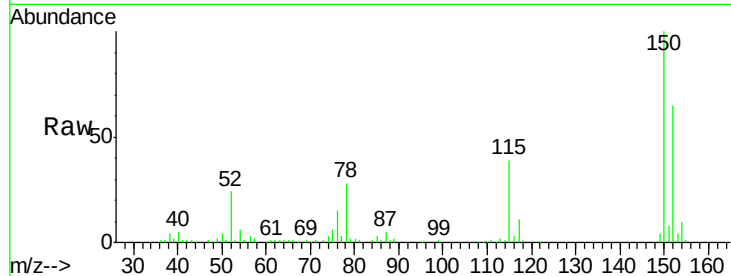
Tgt Ion:152 Resp: 147025

Ion Ratio Lower Upper

152 100

150 154.6 126.5 189.7

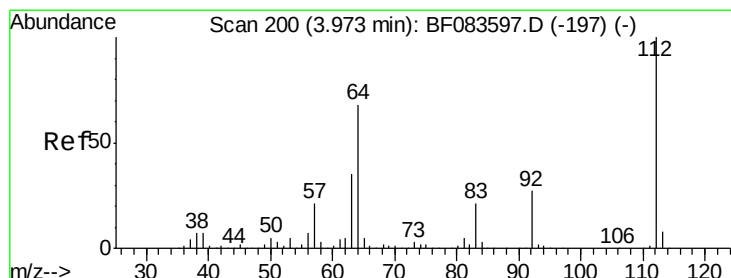
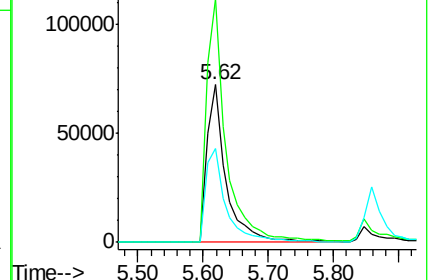
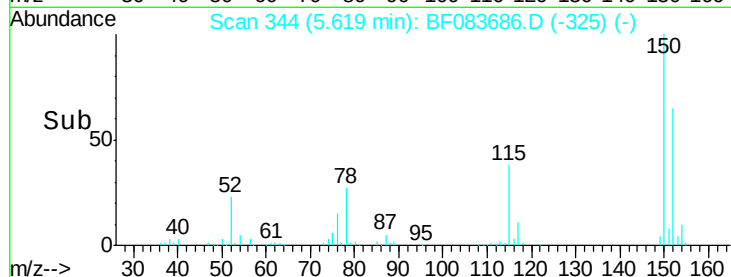
115 59.6 52.3 78.5



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: 0.94 ng

RT: 4.12 min Scan# 213

Delta R.T. 0.15 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

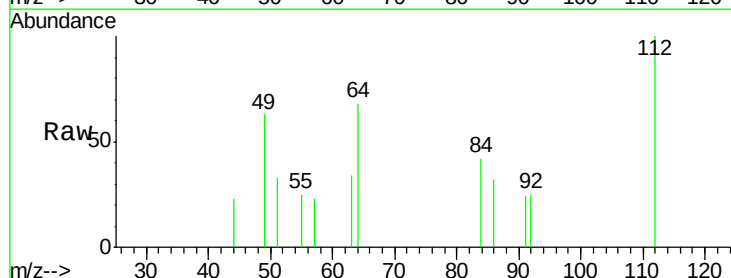
Tgt Ion:112 Resp: 9131

Ion Ratio Lower Upper

112 100

64 68.3 50.5 75.7

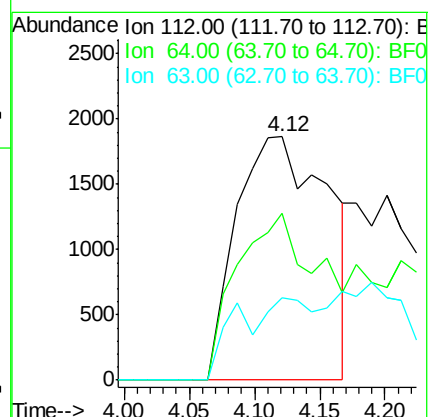
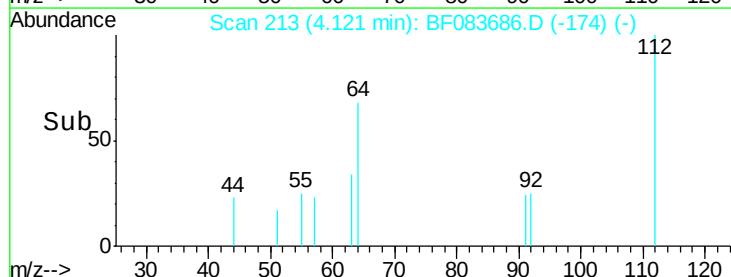
63 34.0 25.8 38.6

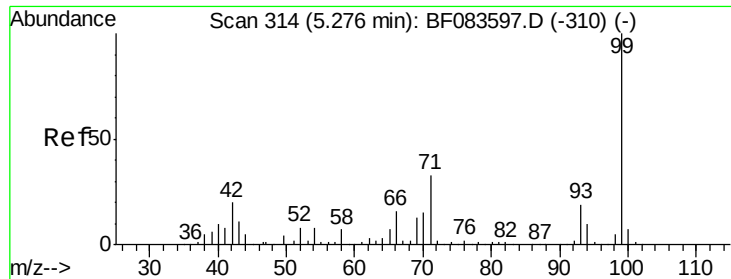


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.88 ng

RT: 5.34 min Scan# 320

Delta R.T. 0.07 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-06(6-13)DL

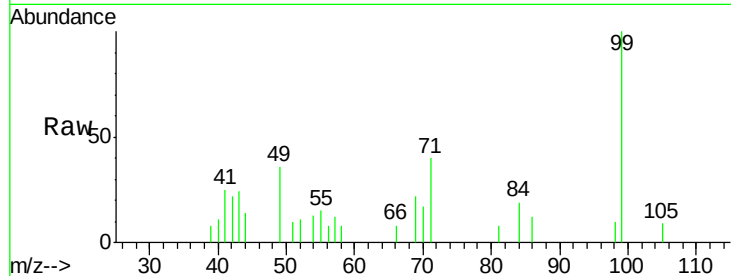
Tgt Ion: 99 Resp: 24408

Ion Ratio Lower Upper

99 100

42 21.7 17.3 25.9

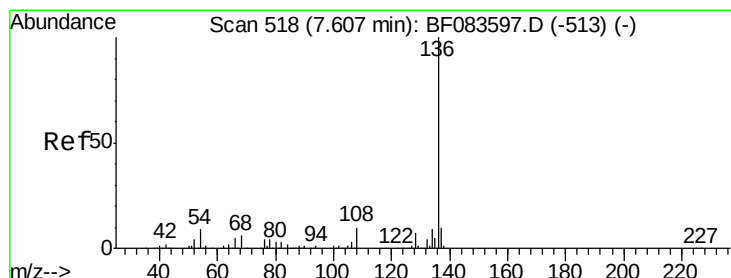
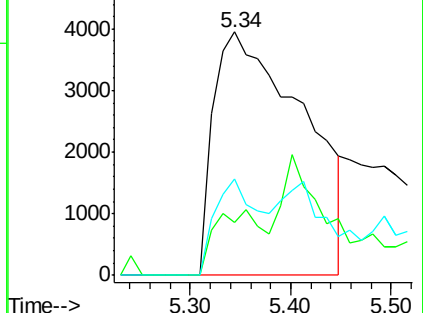
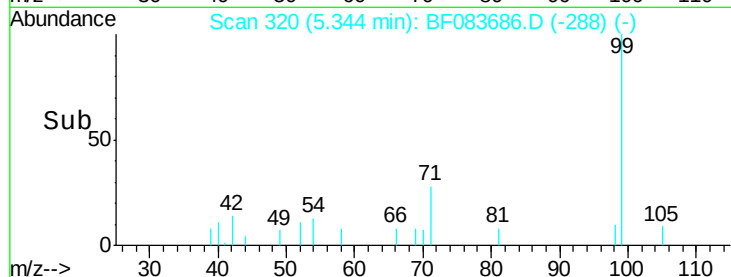
71 39.8 26.6 40.0



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: 7.50 min Scan# 509

Delta R.T. -0.10 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Tgt Ion: 136 Resp: 561767

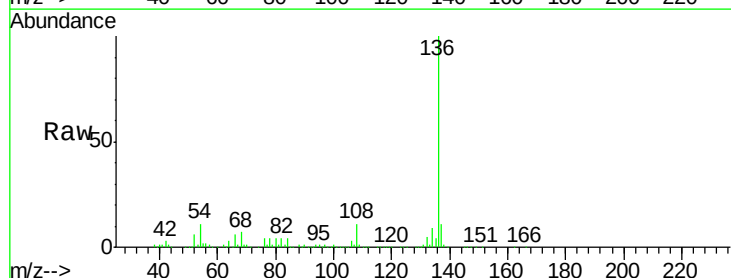
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.3 7.8 11.6

68 7.4 5.7 8.5

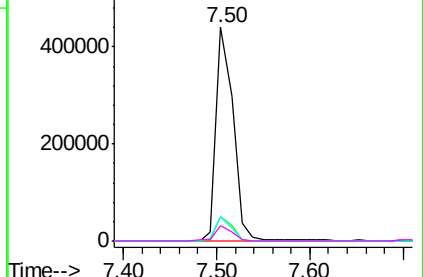
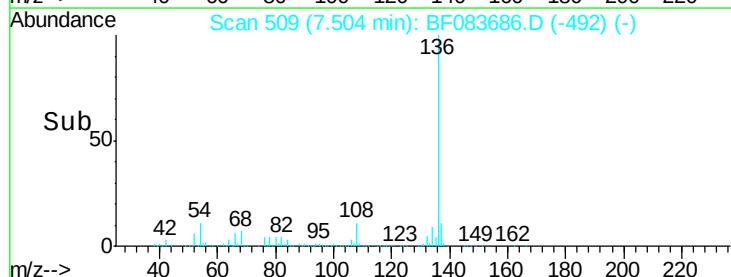


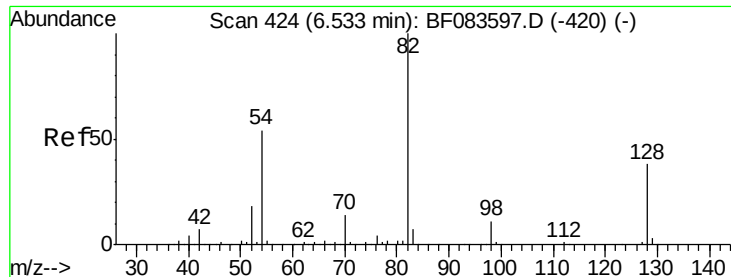
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.11 ng

RT: 6.45 min Scan# 417

Delta R.T. -0.08 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Instrument :

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SB-P3WC-06(6-13)DL

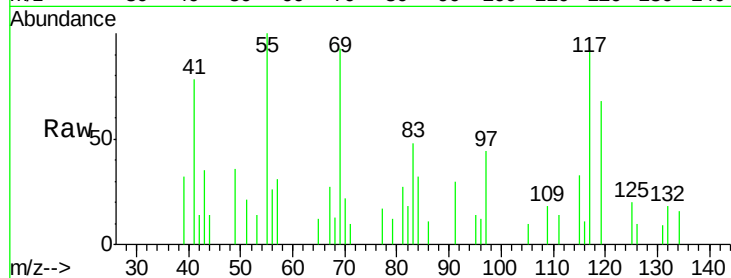
Tgt Ion: 82 Resp: 1331

Ion Ratio Lower Upper

82 100

128 0.0 30.7 46.1#

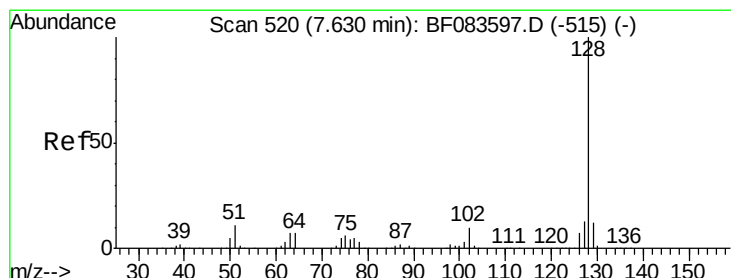
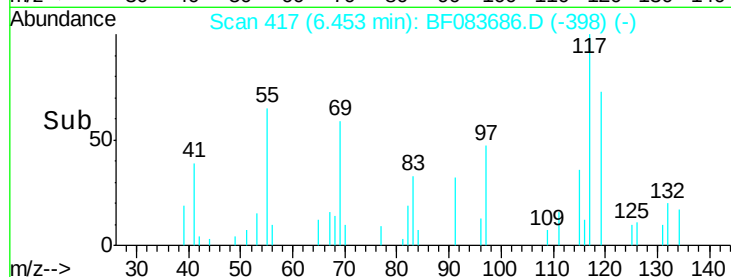
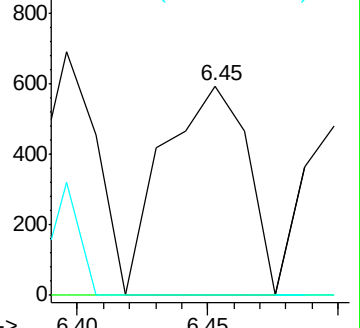
54 0.0 42.5 63.7#



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: 51.97 ng

RT: 7.54 min Scan# 512

Delta R.T. -0.09 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

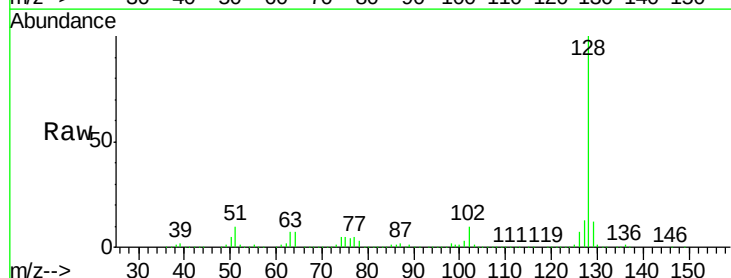
Tgt Ion: 128 Resp: 1546112

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

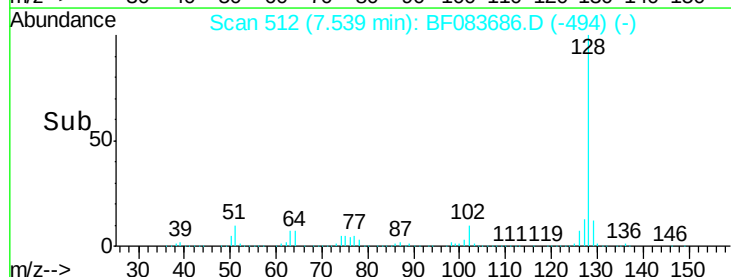
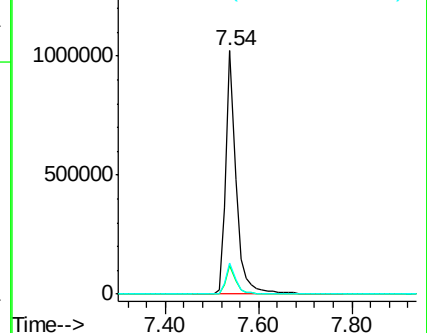
127 13.0 10.6 16.0

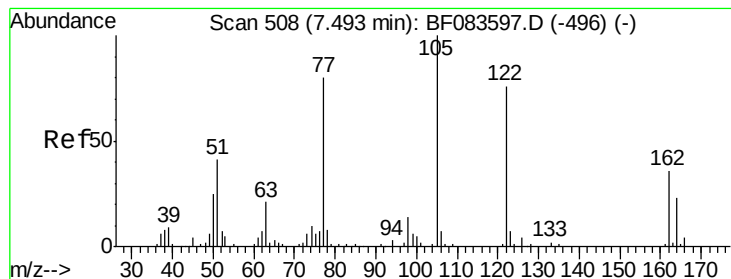


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 3.07 ng

RT: 7.37 min Scan# 497

Delta R.T. -0.12 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

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ClientSampleId :

SB-P3WC-06(6-13)DL

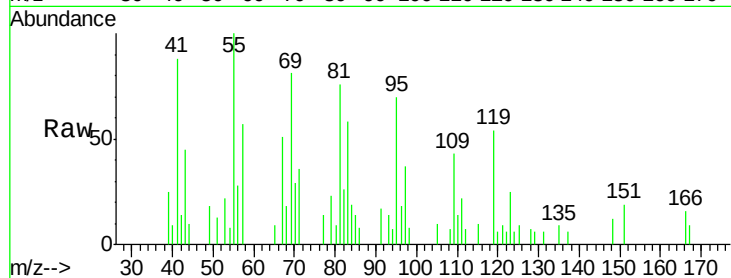
Tgt Ion:122 Resp: 224

Ion Ratio Lower Upper

122 100

105 165.3 105.6 145.6#

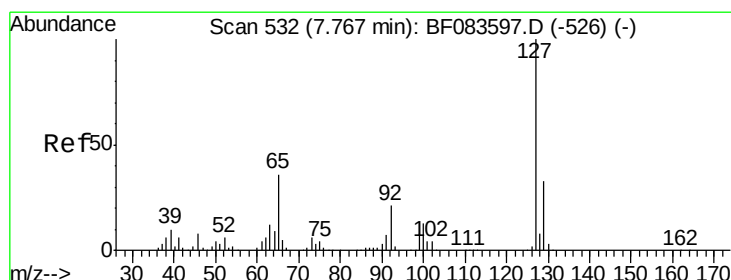
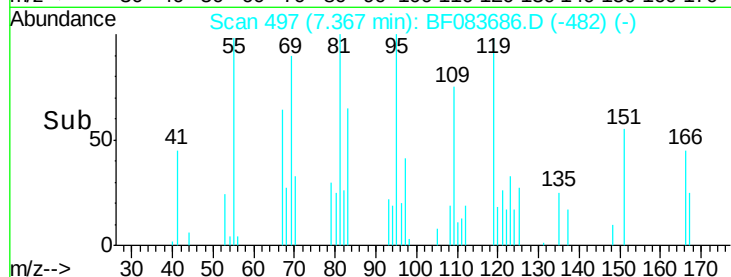
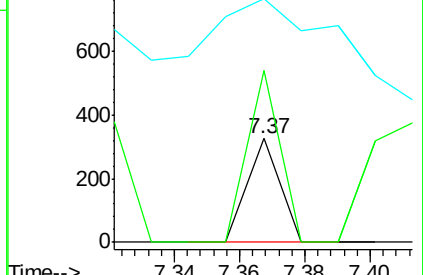
77 234.7 86.8 126.8#



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: 18.57 ng

RT: 7.54 min Scan# 512

Delta R.T. -0.23 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Tgt Ion:127 Resp: 201507

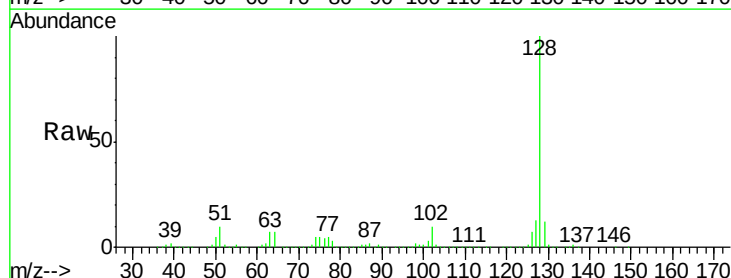
Ion Ratio Lower Upper

127 100

129 89.0 26.1 39.1#

65 0.0 33.5 50.3#

92 0.0 18.6 28.0#

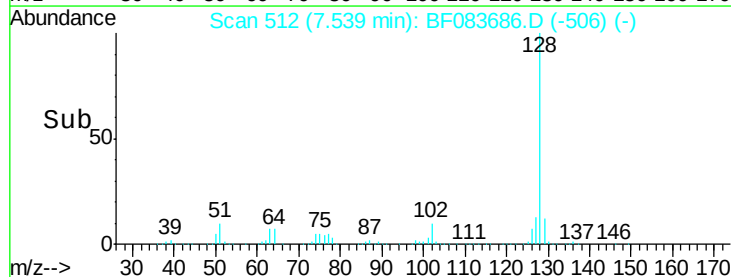
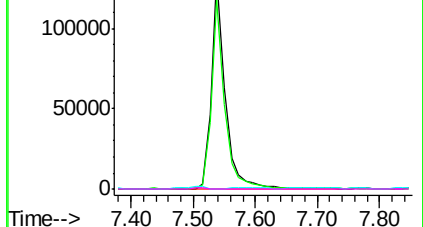


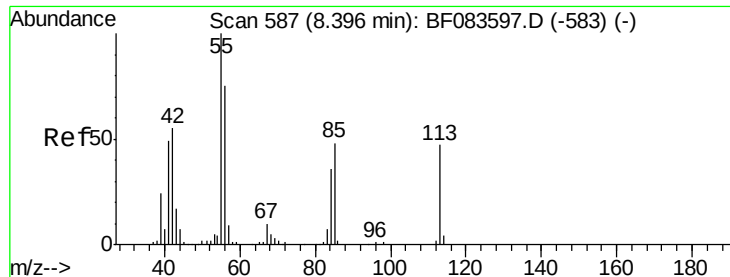
Abundance Ion 127.00 (126.70 to 127.70): E

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





#35

Caprolactam

Concen: 3.20 ng

RT: 8.28 min Scan# 577

Delta R.T. -0.11 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

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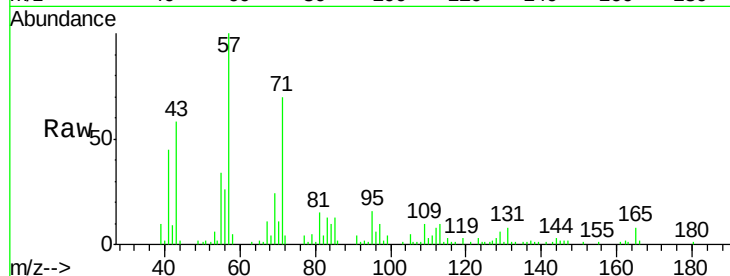
Tgt Ion:113 Resp: 8076

Ion Ratio Lower Upper

113 100

55 336.9 189.7 229.7#

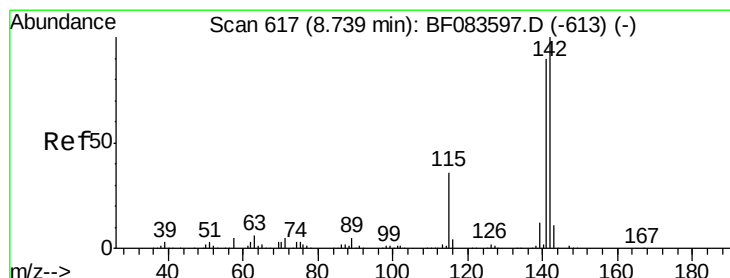
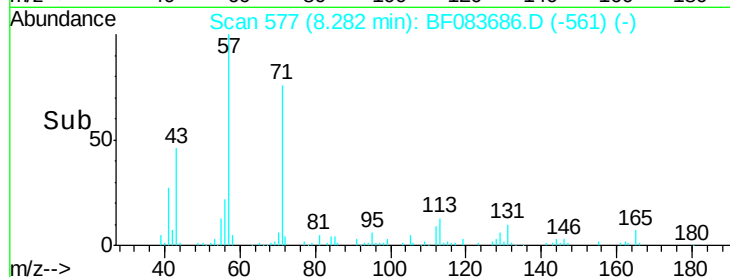
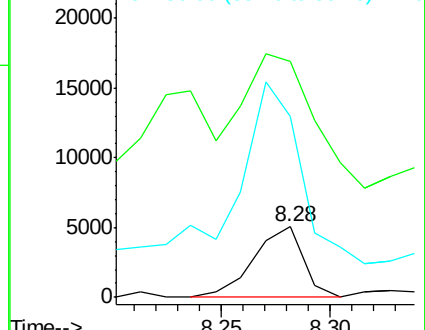
56 258.0 130.7 170.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 10.22 ng

RT: 8.65 min Scan# 609

Delta R.T. -0.09 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

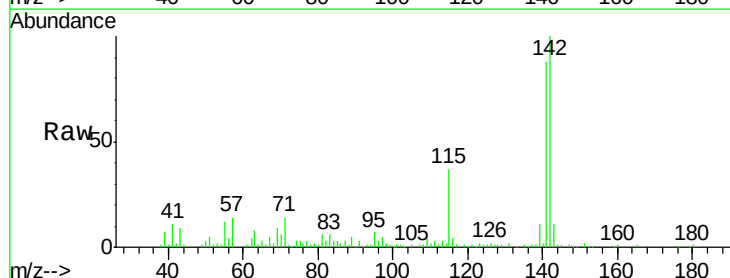
Tgt Ion:142 Resp: 190927

Ion Ratio Lower Upper

142 100

141 88.4 70.3 105.5

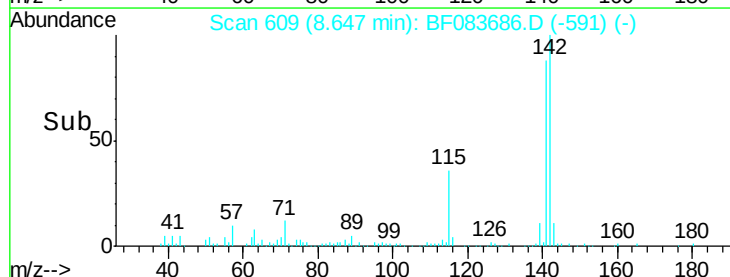
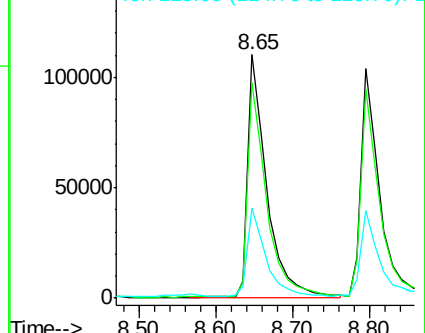
115 36.7 29.2 43.8

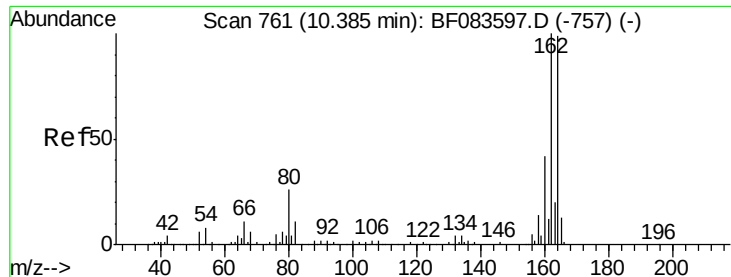


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.29 min Scan# 753

Delta R.T. -0.09 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

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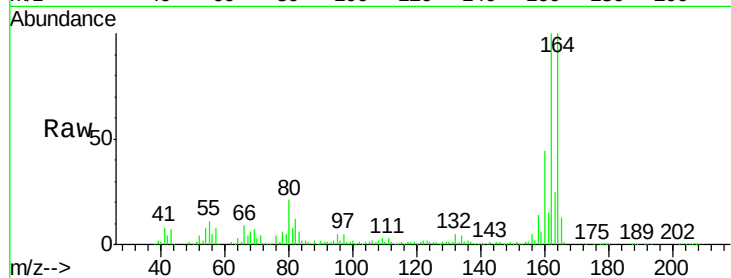
Tgt Ion:164 Resp: 273363

Ion Ratio Lower Upper

164 100

162 99.6 78.8 118.2

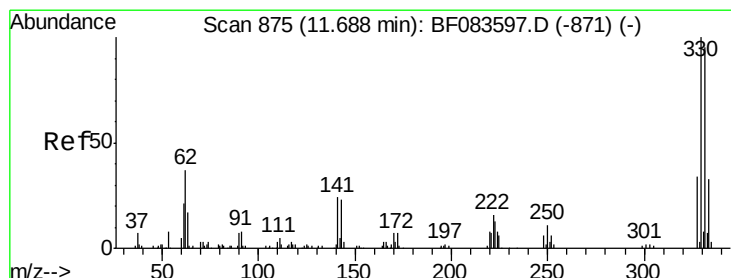
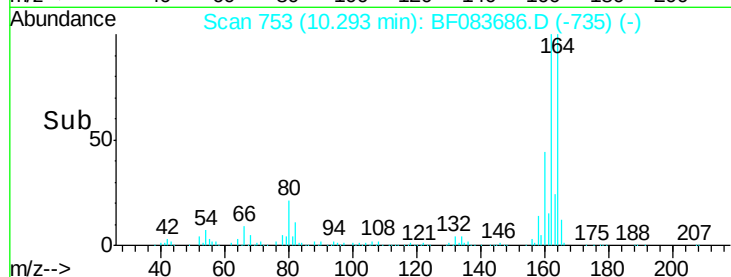
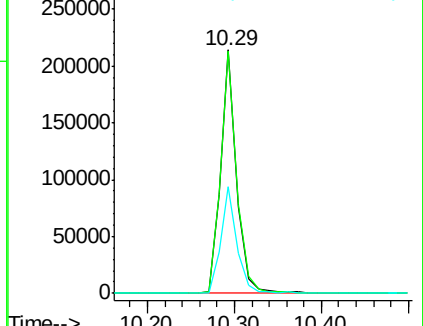
160 43.6 33.4 50.2



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: 2.23 ng

RT: 11.63 min Scan# 870

Delta R.T. -0.06 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

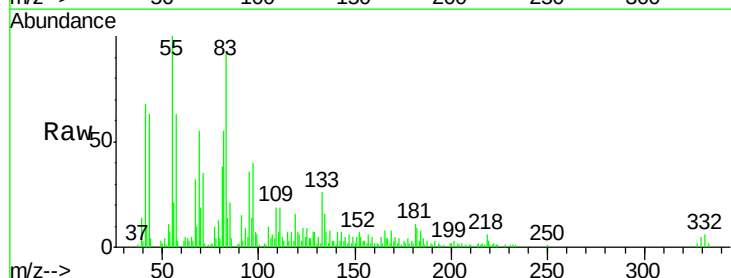
Tgt Ion:330 Resp: 5426

Ion Ratio Lower Upper

330 100

332 99.8 0.0 0.0#

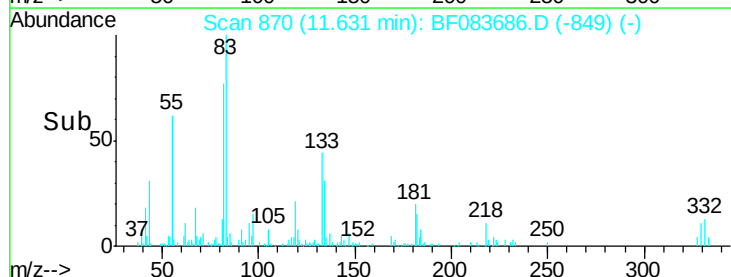
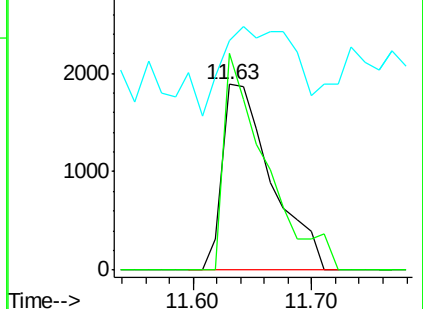
141 68.4 0.0 0.0#

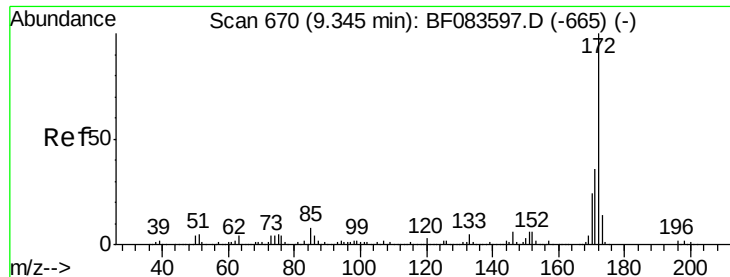


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 2.28 ng

RT: 9.26 min Scan# 663

Delta R.T. -0.08 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

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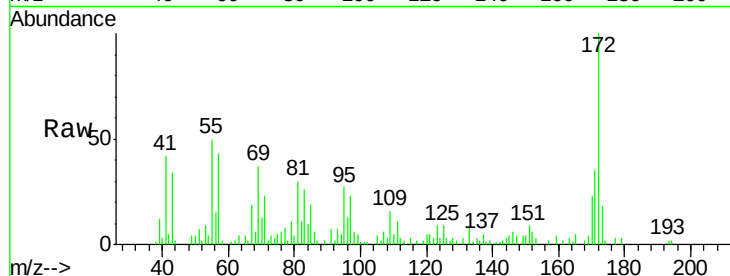
Tgt Ion:172 Resp: 44219

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

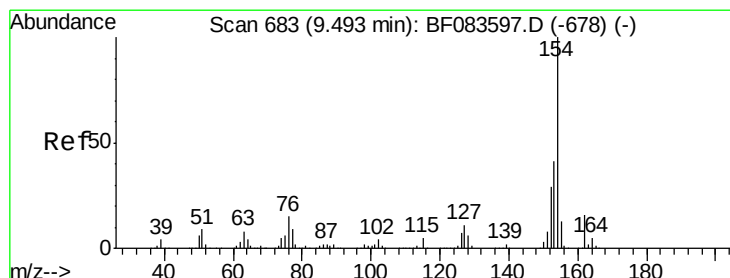
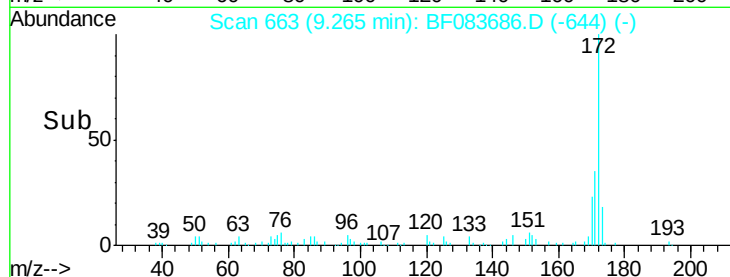
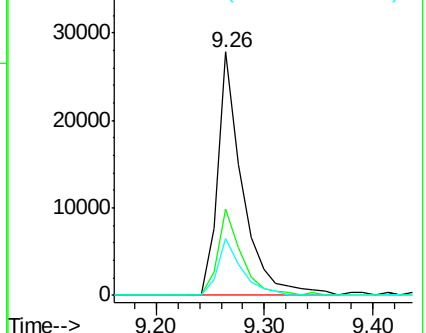
170 23.5 19.4 29.0



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: 3.46 ng

RT: 9.41 min Scan# 676

Delta R.T. -0.08 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

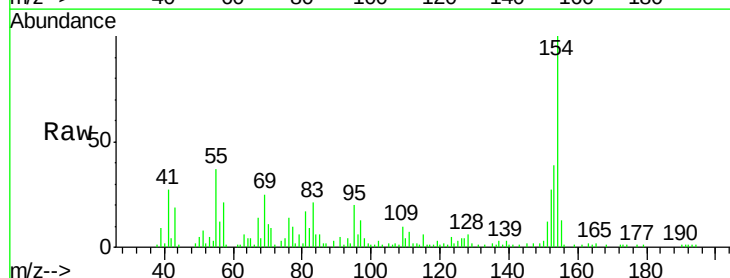
Tgt Ion:154 Resp: 82204

Ion Ratio Lower Upper

154 100

153 38.6 20.2 60.2

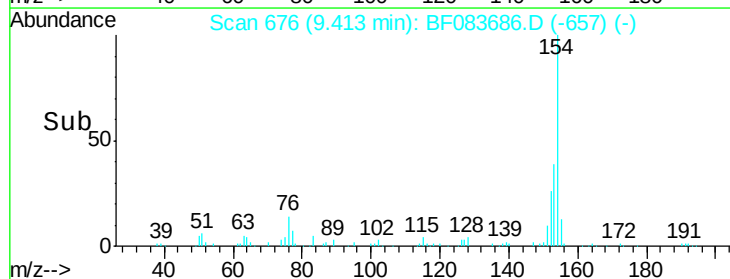
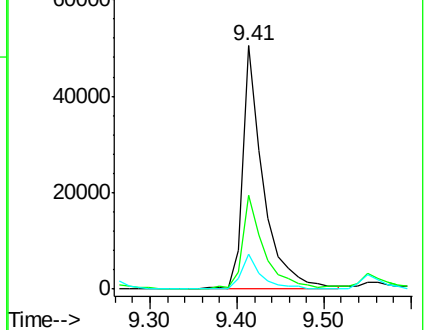
76 14.3 0.0 34.8

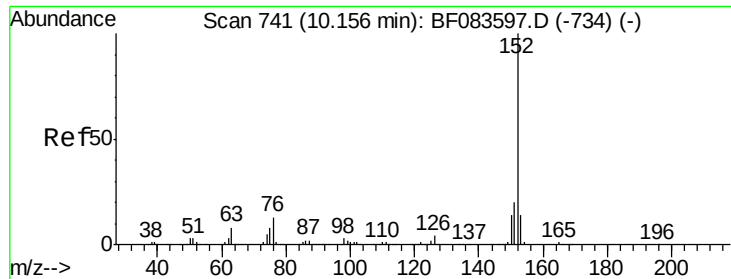


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 3.04 ng

RT: 10.09 min Scan# 735

Delta R.T. -0.07 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-06(6-13)DL

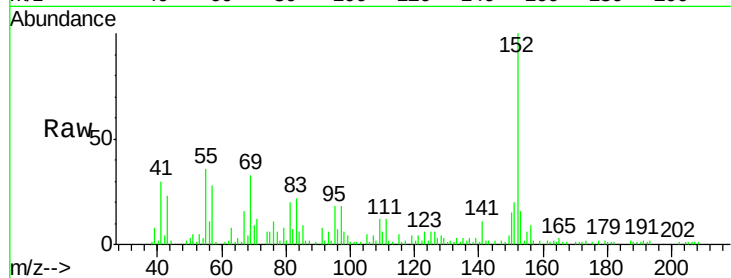
Tgt Ion:152 Resp: 90039

Ion Ratio Lower Upper

152 100

151 19.8 16.3 24.5

153 15.6 10.8 16.2



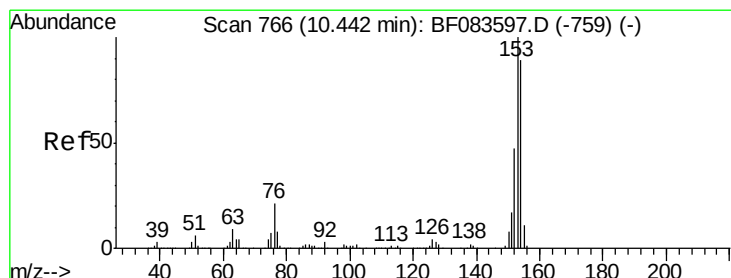
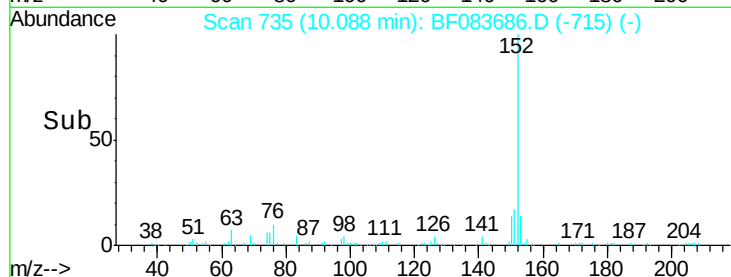
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

10.09

Time-->



#51

Acenaphthene

Concen: 18.43 ng

RT: 10.34 min Scan# 757

Delta R.T. -0.10 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

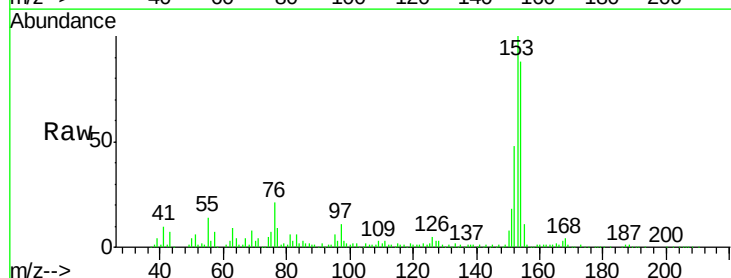
Tgt Ion:154 Resp: 312149

Ion Ratio Lower Upper

154 100

153 113.6 91.4 137.0

152 54.1 43.4 65.2



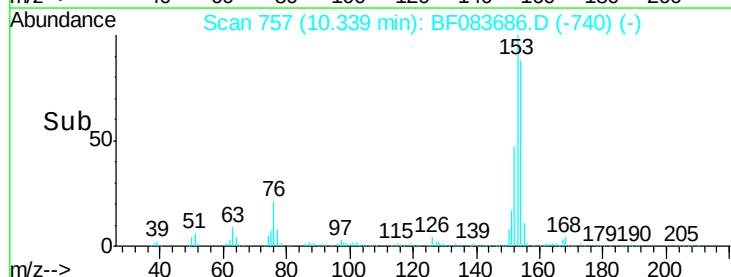
Abundance Ion 154.00 (153.70 to 154.70): E

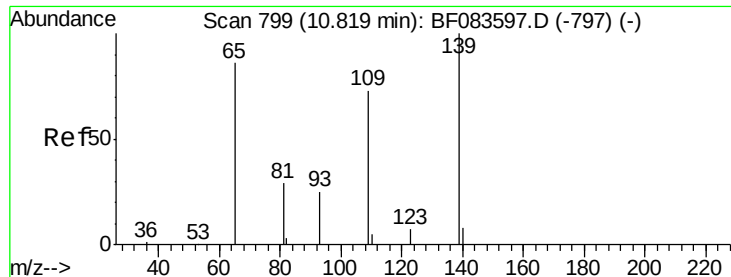
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

10.34

Time-->

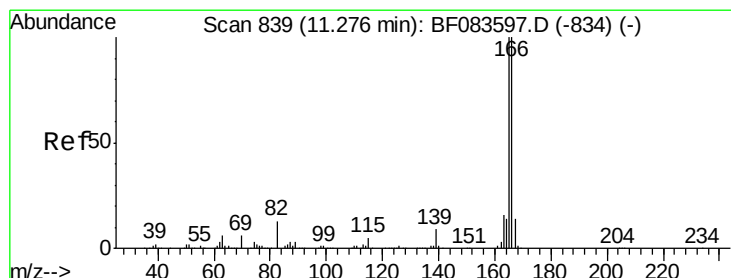
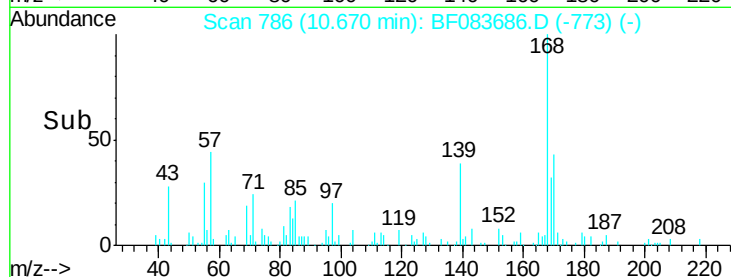
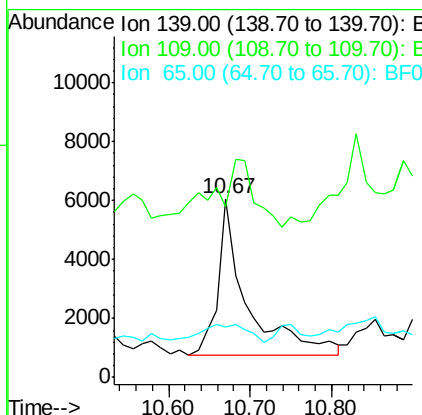
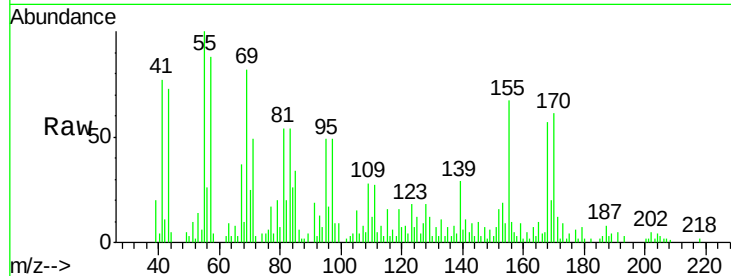




#55
4-Nitrophenol
Concen: 6.35 ng
RT: 10.67 min Scan# 786
Delta R.T. -0.15 min
Lab File: BF083686.D
Acq: 10 Dec 2015 20:31

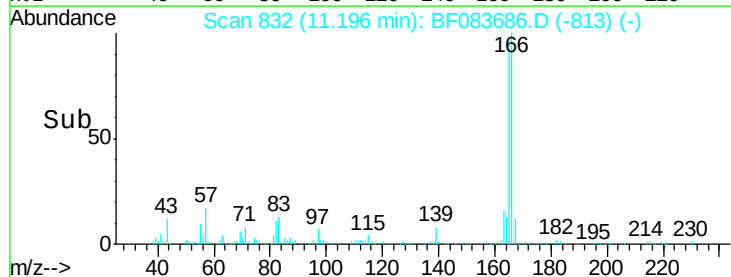
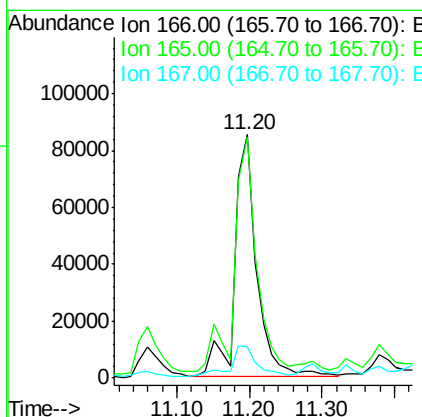
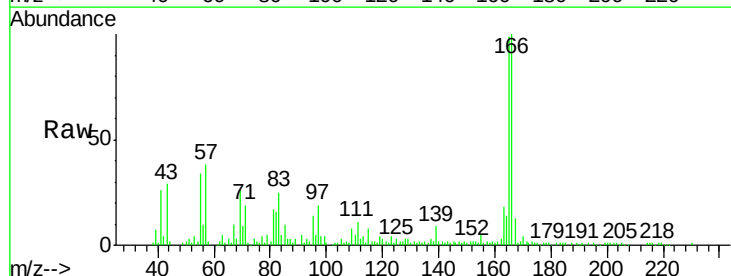
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(6-13)DL

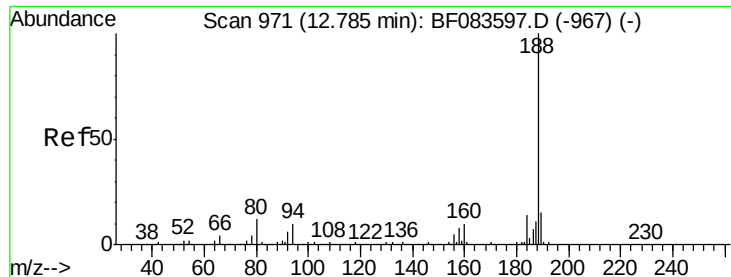
Tgt Ion:139 Resp: 13359
Ion Ratio Lower Upper
139 100
109 95.1 42.0 82.0#
65 28.1 89.2 129.2#



#57
Fluorene
Concen: 8.70 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.08 min
Lab File: BF083686.D
Acq: 10 Dec 2015 20:31

Tgt Ion:166 Resp: 178396
Ion Ratio Lower Upper
166 100
165 99.1 80.0 120.0
167 13.0 10.6 16.0

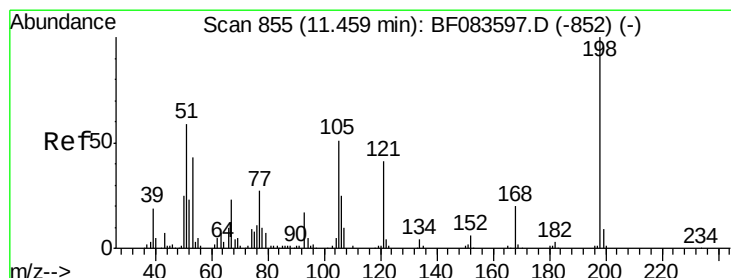
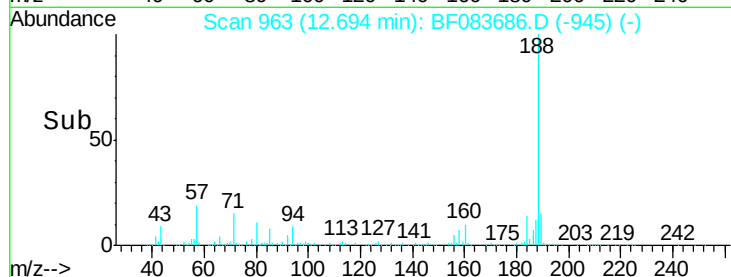
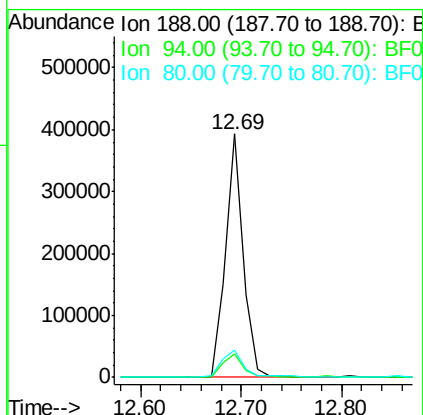
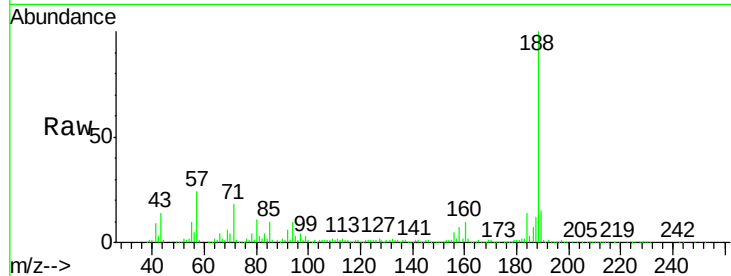




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.69 min Scan# 963
Delta R.T. -0.09 min
Lab File: BF083686.D
Acq: 10 Dec 2015 20:31

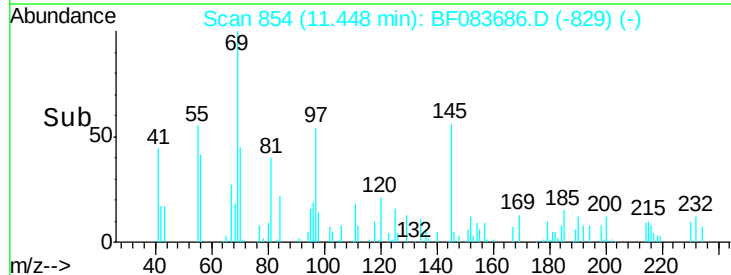
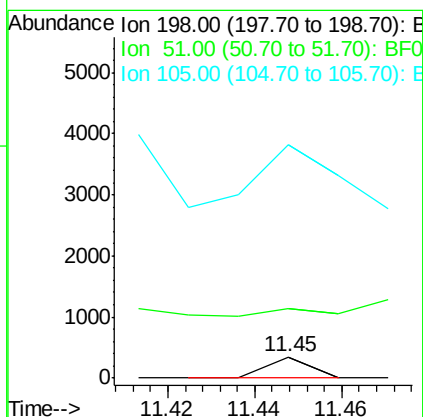
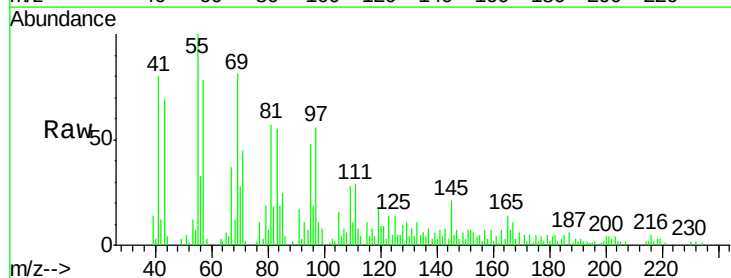
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(6-13)DL

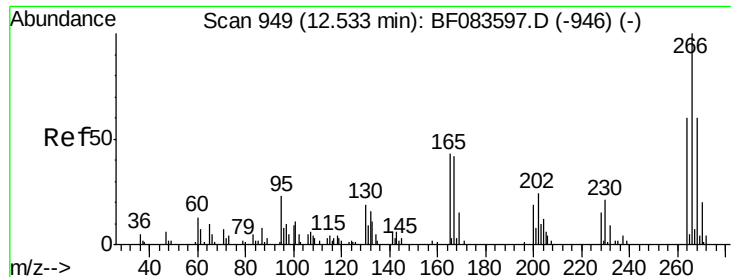
Tgt Ion:188 Resp: 481027
Ion Ratio Lower Upper
188 100
94 9.5 9.4 14.2
80 11.0 10.6 16.0



#64
4,6-Dinitro-2-methylphenol
Concen: 2.02 ng
RT: 11.45 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF083686.D
Acq: 10 Dec 2015 20:31

Tgt Ion:198 Resp: 236
Ion Ratio Lower Upper
198 100
51 327.9 53.8 93.8#
105 1109.6 38.6 78.6#

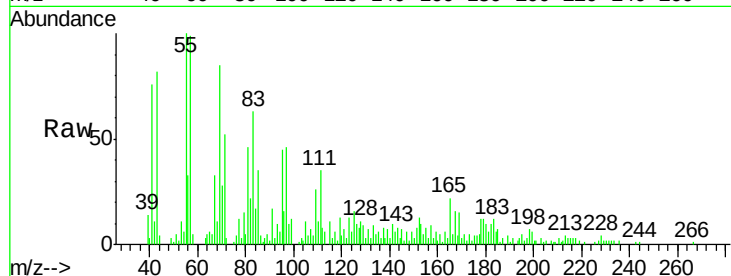




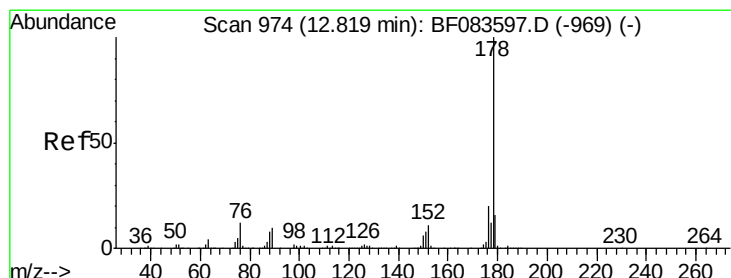
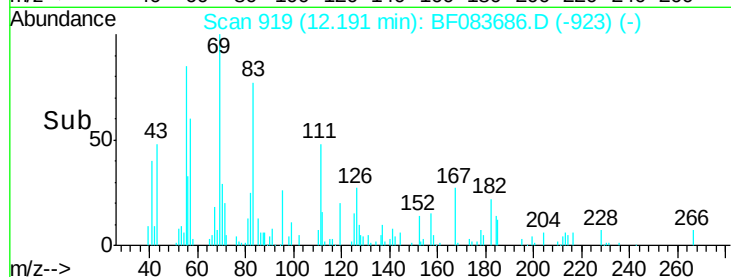
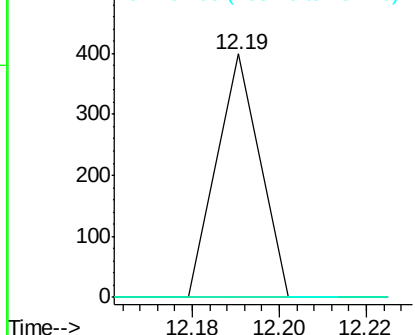
#69
 Pentachlorophenol
 Concen: 8.33 ng
 RT: 12.19 min Scan# 919
 Delta R.T. -0.34 min
 Lab File: BF083686.D
 Acq: 10 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-06(6-13)DL

Tgt Ion: 266 Resp: 274
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.2 75.2#
 264 0.0 51.4 77.2#

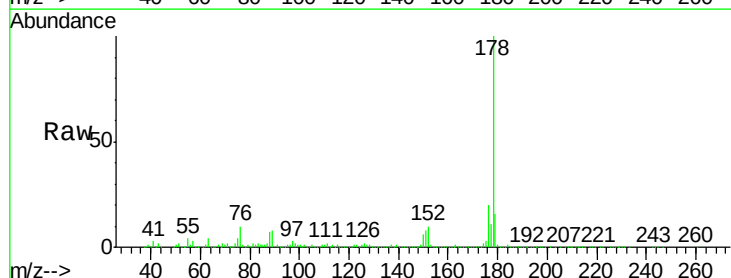


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

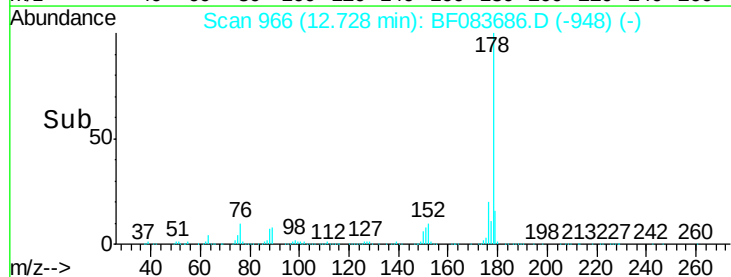
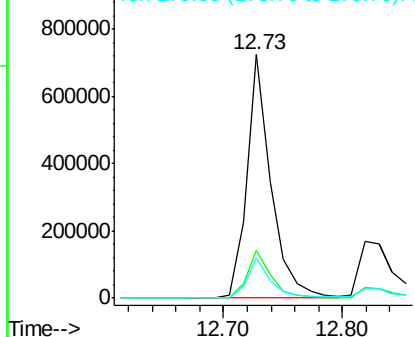


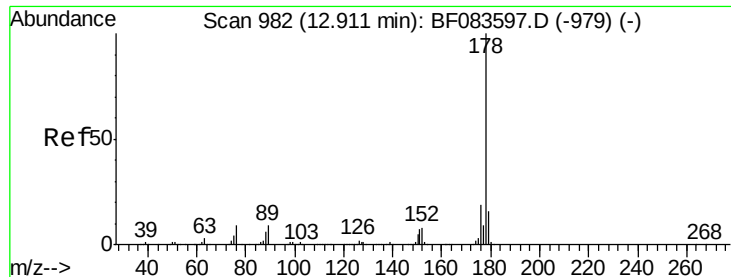
#70
 Phenanthrene
 Concen: 36.91 ng
 RT: 12.73 min Scan# 966
 Delta R.T. -0.09 min
 Lab File: BF083686.D
 Acq: 10 Dec 2015 20:31

Tgt Ion: 178 Resp: 1020048
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.7 23.5
 179 16.4 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: 12.09 ng

RT: 12.82 min Scan# 974

Delta R.T. -0.09 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-06(6-13)DL

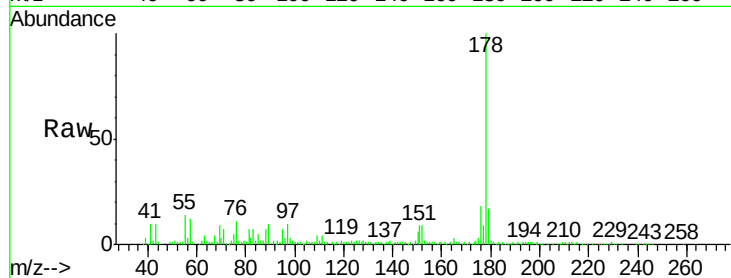
Tgt Ion:178 Resp: 345997

Ion Ratio Lower Upper

178 100

176 18.0 15.2 22.8

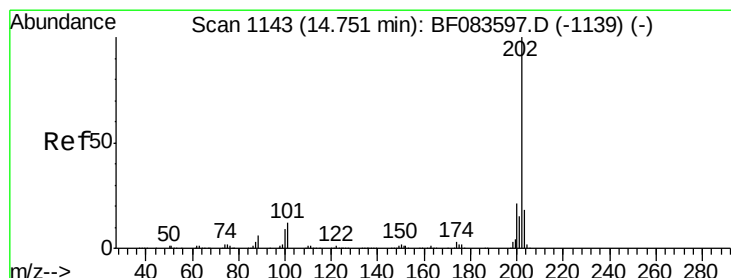
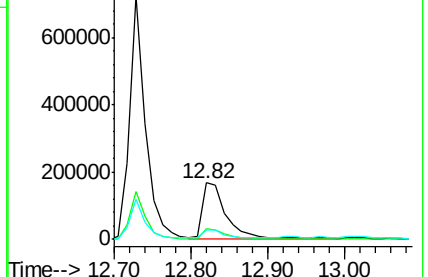
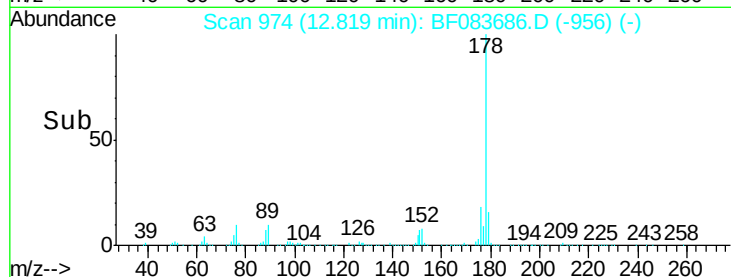
179 16.9 12.6 18.8



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: 25.69 ng

RT: 14.66 min Scan# 1135

Delta R.T. -0.09 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

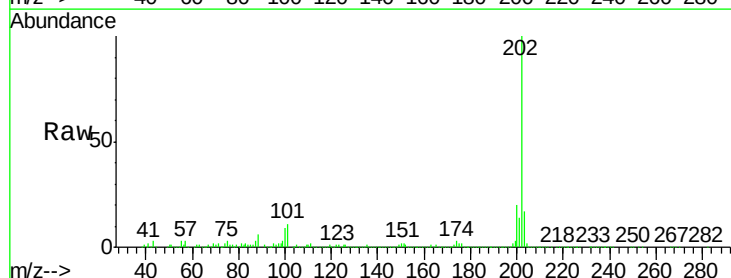
Tgt Ion:202 Resp: 726388

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.5

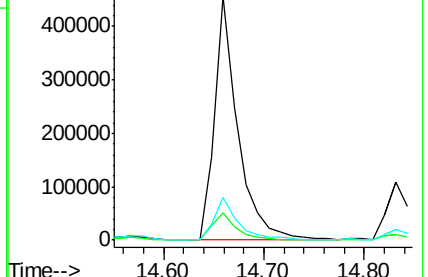
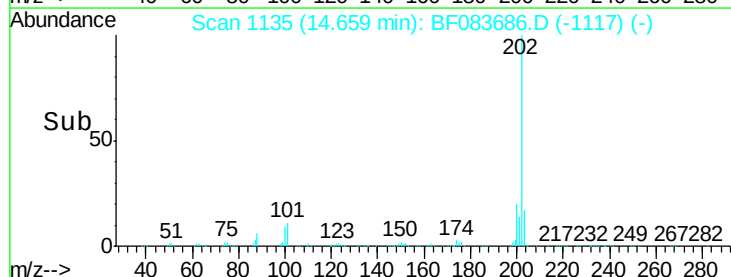
203 17.5 0.0 37.6

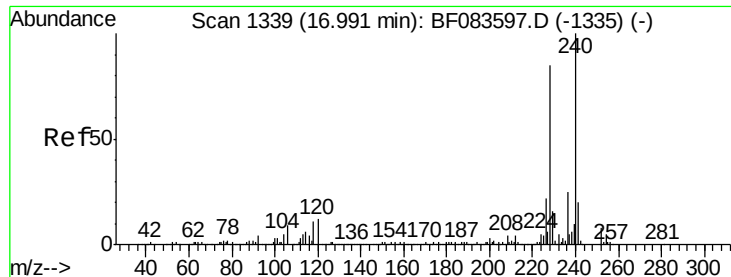


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.91 min Scan# 1332

Delta R.T. -0.08 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

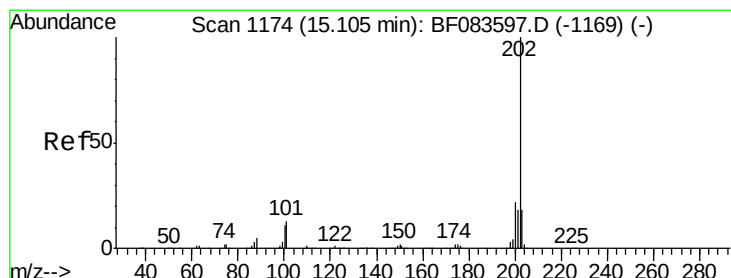
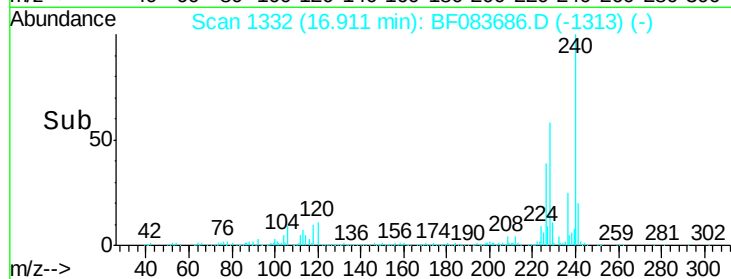
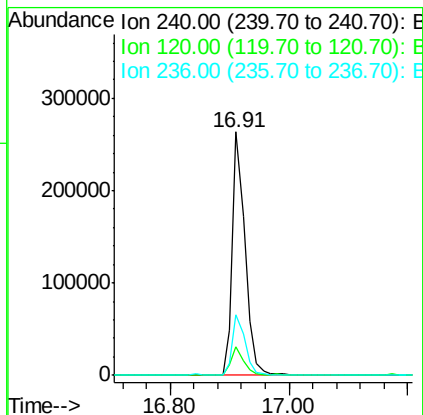
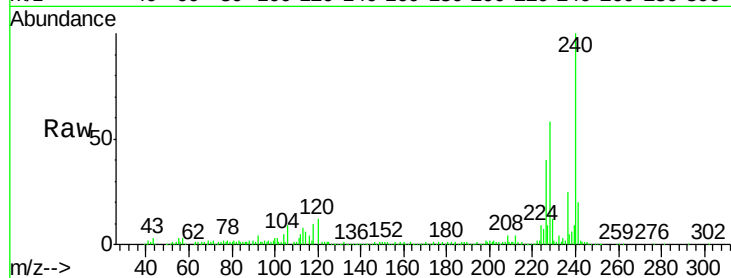
Instrument :

BNA_F

ClientSampleId :

SB-P3WC-06(6-13)DL

Tgt Ion:	240	Resp:	392288
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.1	12.1
236	25.0	20.8	31.2



#77

Pyrene

Concen: 38.11 ng

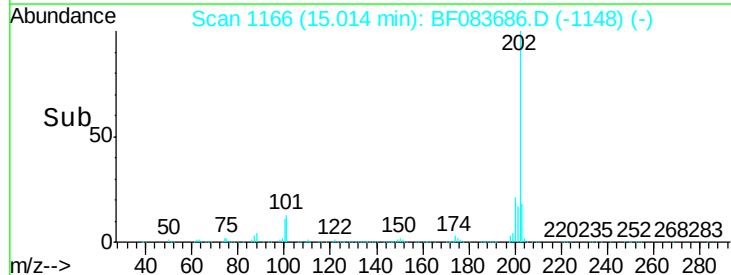
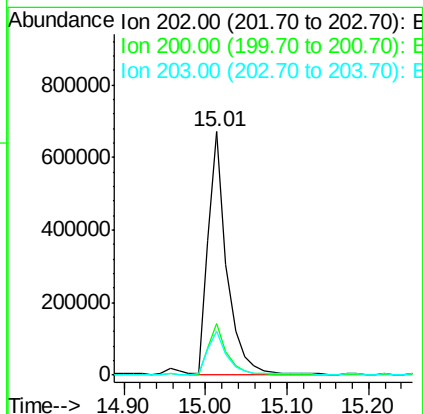
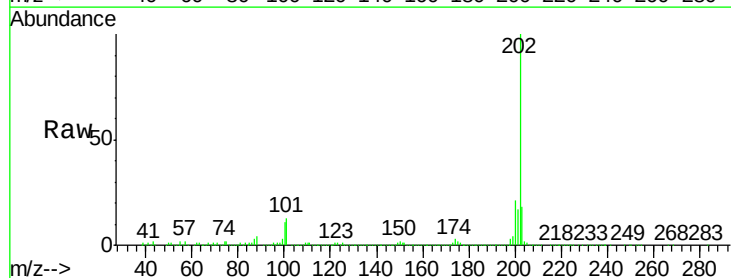
RT: 15.01 min Scan# 1166

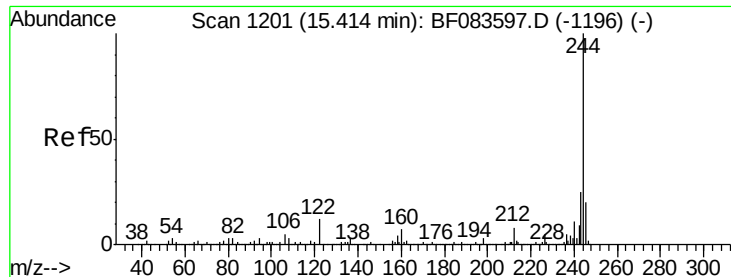
Delta R.T. -0.09 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Tgt Ion:	202	Resp:	1076335
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.7	25.1
203	18.1	14.3	21.5

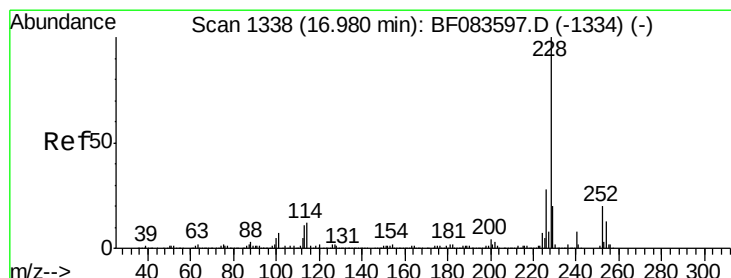
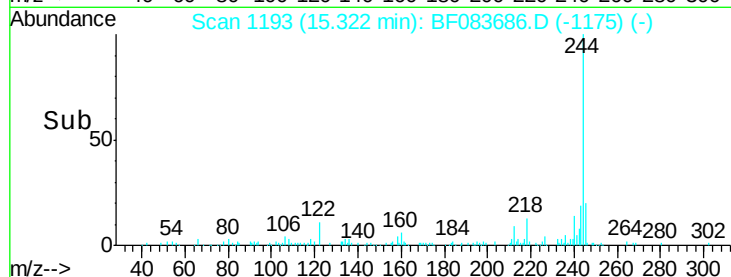
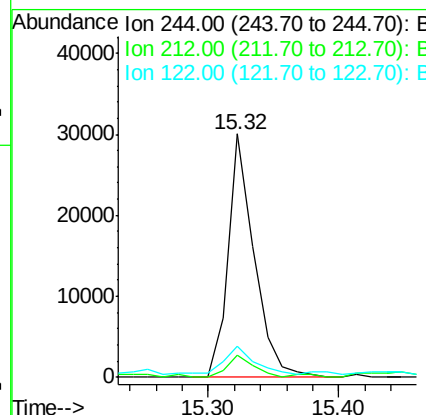
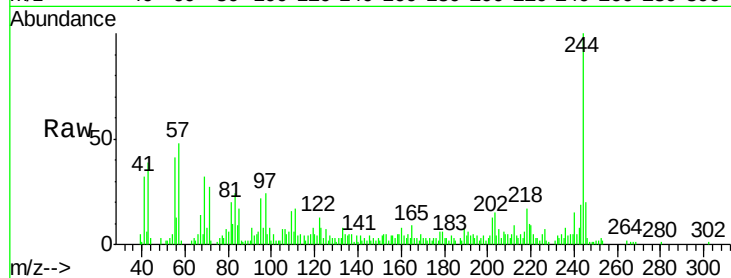




#78
 Terphenyl-d14
 Concen: 2.51 ng
 RT: 15.32 min Scan# 1193
 Delta R.T. -0.09 min
 Lab File: BF083686.D
 Acq: 10 Dec 2015 20:31

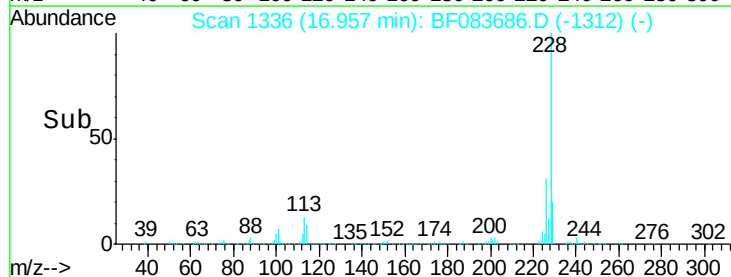
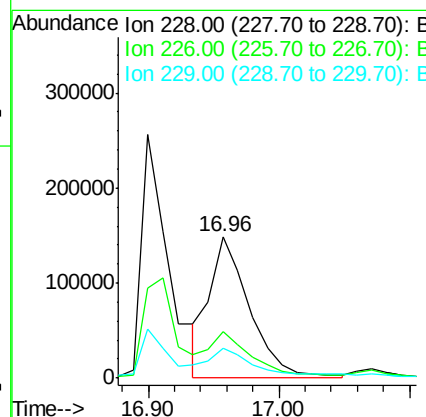
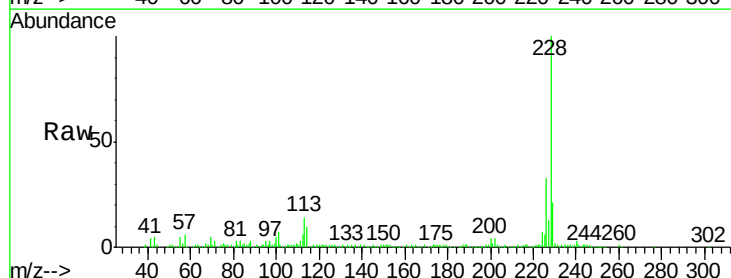
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-06(6-13)DL

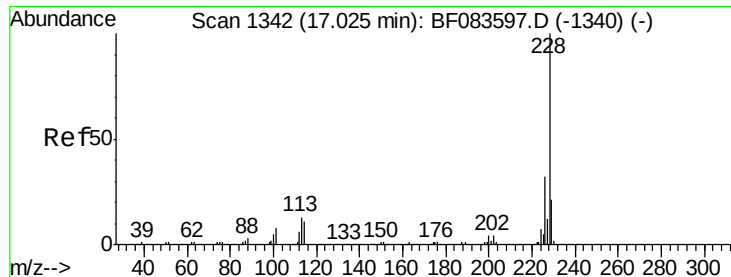
Tgt Ion:244 Resp: 41766
 Ion Ratio Lower Upper
 244 100
 212 9.0 6.1 9.1
 122 12.9 11.0 16.6



#80
 Benzo(a)anthracene
 Concen: 13.64 ng
 RT: 16.96 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF083686.D
 Acq: 10 Dec 2015 20:31

Tgt Ion:228 Resp: 313097
 Ion Ratio Lower Upper
 228 100
 226 32.9 22.3 33.5
 229 20.7 15.7 23.5





#82

Chrysene

Concen: 13.60 ng

RT: 16.96 min Scan# 1336

Delta R.T. -0.07 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-06(6-13)DL

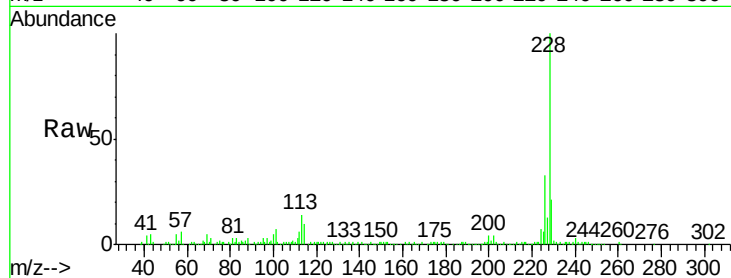
Tgt Ion:228 Resp: 313097

Ion Ratio Lower Upper

228 100

226 32.9 24.7 37.1

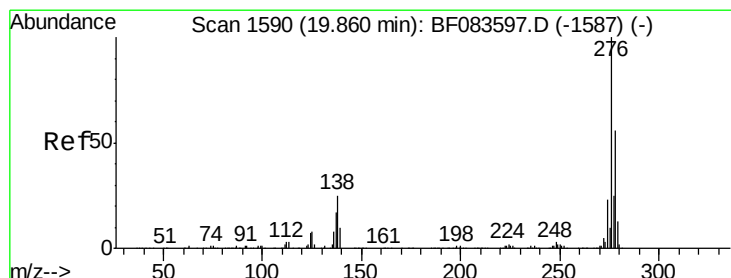
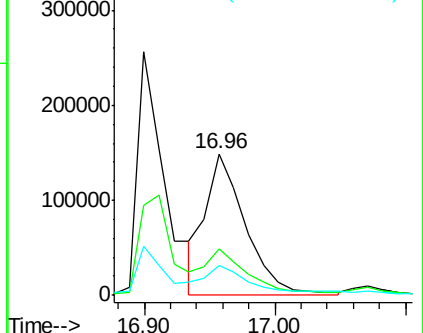
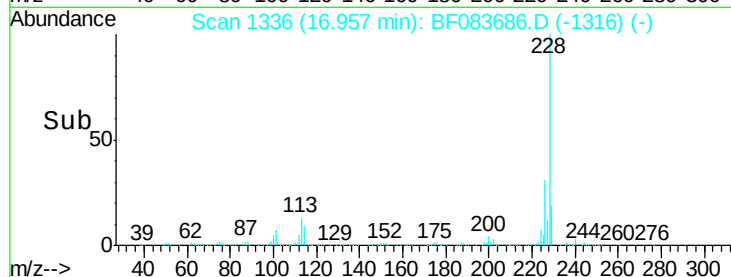
229 20.7 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.34 ng

RT: 19.71 min Scan# 1577

Delta R.T. -0.15 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

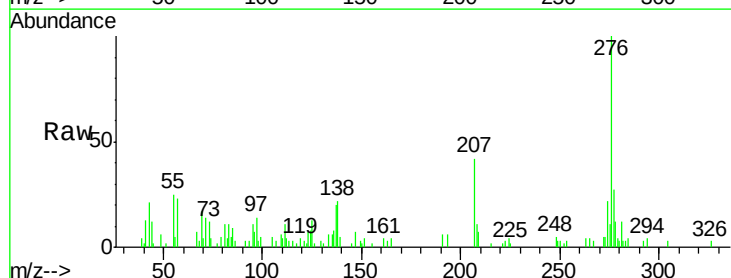
Tgt Ion:276 Resp: 36387

Ion Ratio Lower Upper

276 100

138 16.0 0.0 0.0#

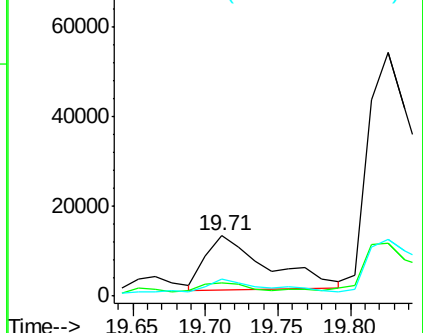
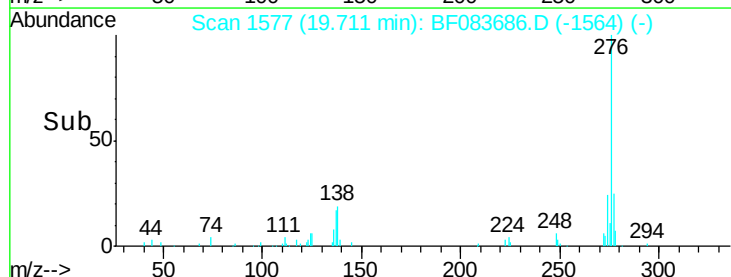
277 37.6 0.0 0.0#

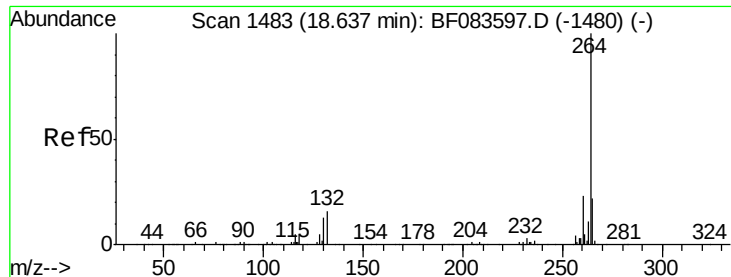


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

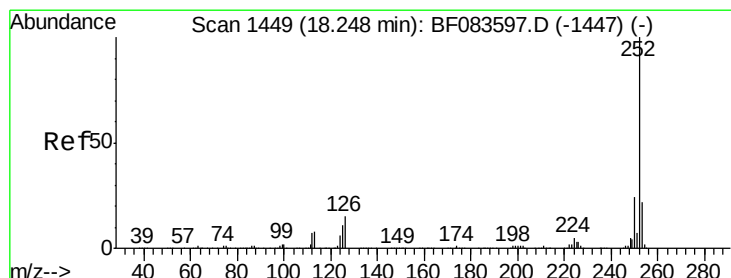
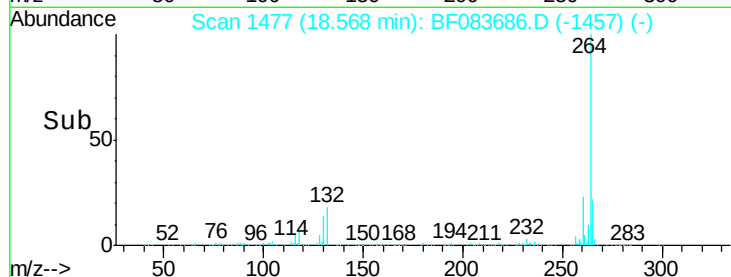
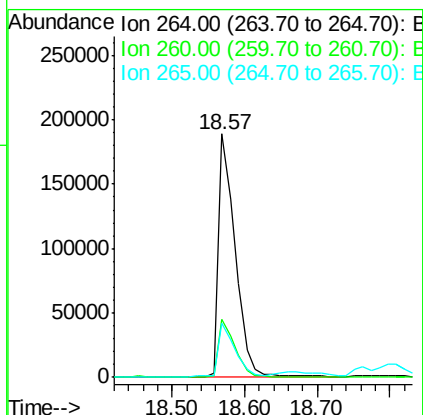
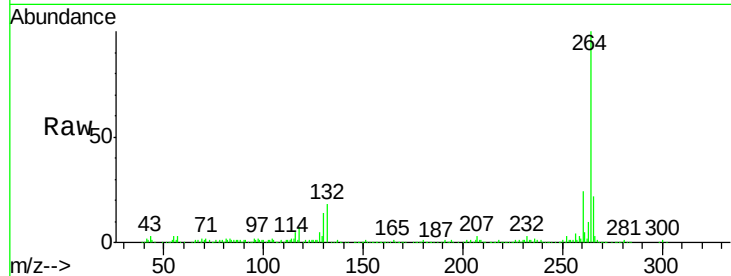




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.57 min Scan# 1477
Delta R.T. -0.07 min
Lab File: BF083686.D
Acq: 10 Dec 2015 20:31

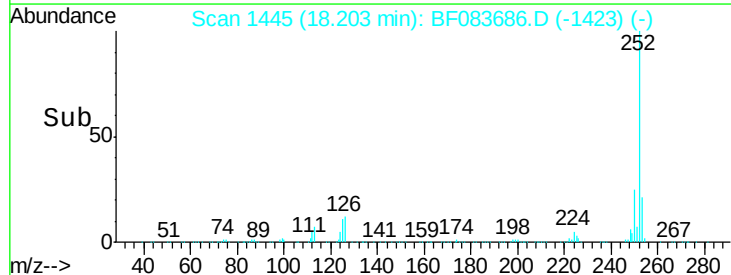
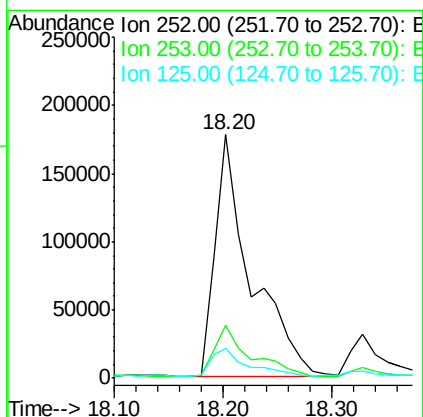
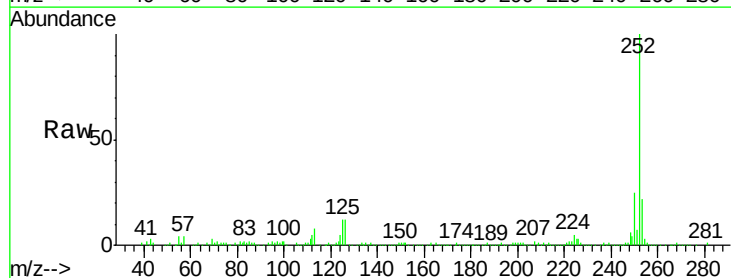
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(6-13)DL

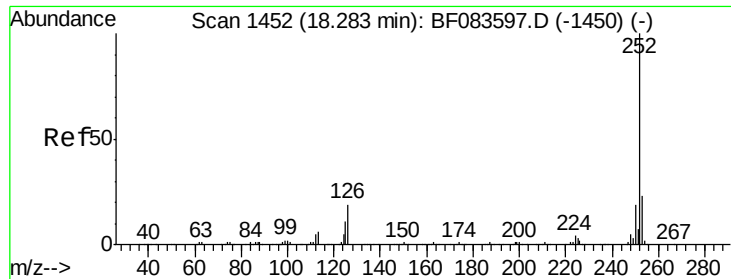
Tgt Ion: 264 Resp: 305636
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.0
265 22.3 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 23.31 ng
RT: 18.20 min Scan# 1445
Delta R.T. -0.05 min
Lab File: BF083686.D
Acq: 10 Dec 2015 20:31

Tgt Ion: 252 Resp: 405698
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.4
125 12.3 8.2 12.4

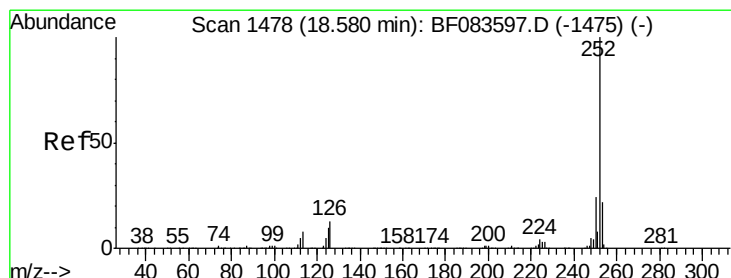
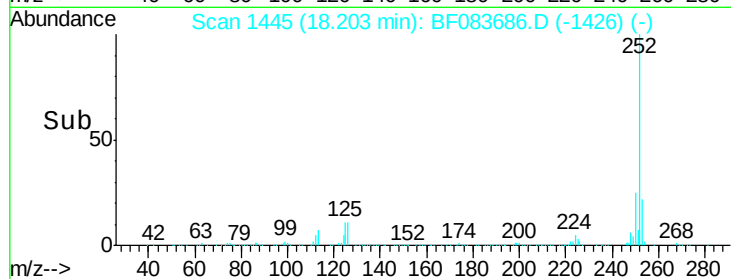
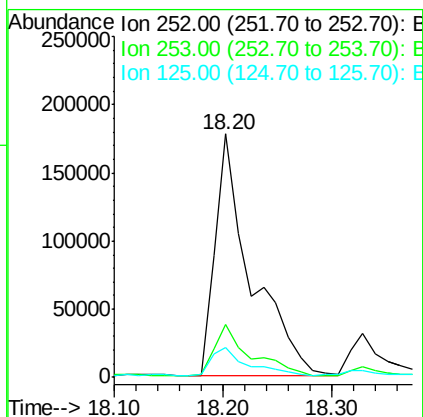
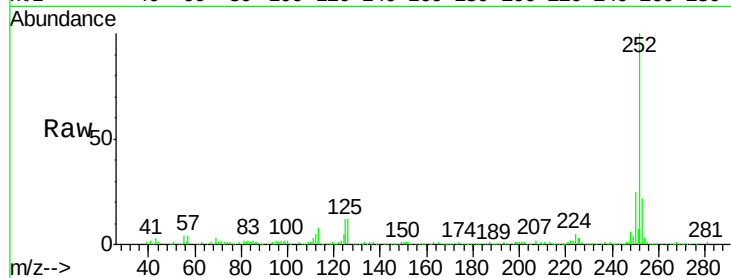




#88
Benzo(k)fluoranthene
Concen: 21.16 ng
RT: 18.20 min Scan# 1445
Delta R.T. -0.08 min
Lab File: BF083686.D
Acq: 10 Dec 2015 20:31

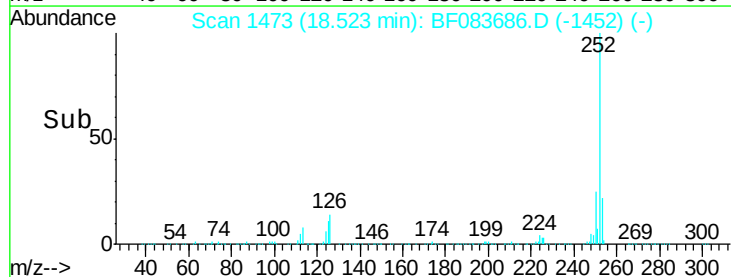
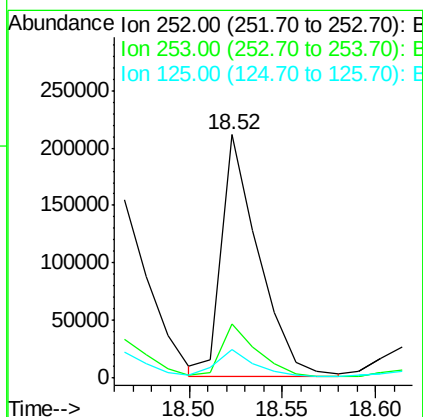
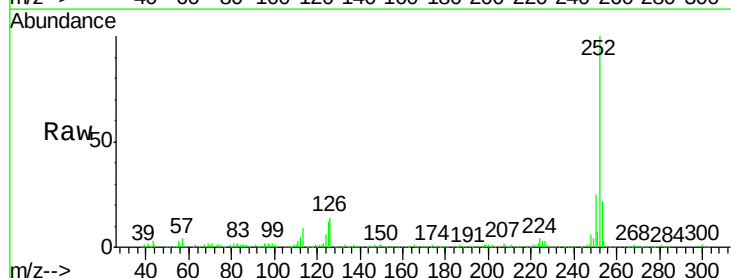
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-06(6-13)DL

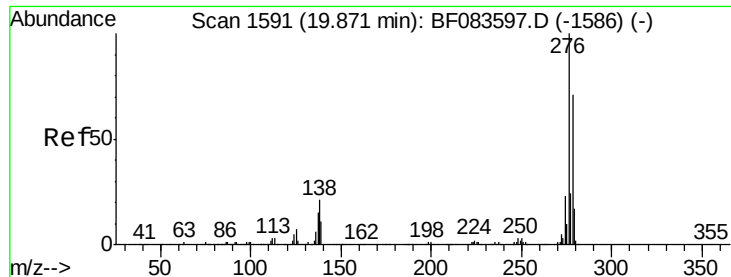
Tgt Ion:252 Resp: 405698
Ion Ratio Lower Upper
252 100
253 21.9 18.6 27.8
125 12.3 11.5 17.3



#89
Benzo(a)pyrene
Concen: 17.17 ng
RT: 18.52 min Scan# 1473
Delta R.T. -0.06 min
Lab File: BF083686.D
Acq: 10 Dec 2015 20:31

Tgt Ion:252 Resp: 291619
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.5 11.0 16.6





#90

Dibenzo(a,h)anthracene

Concen: 2.70 ng

RT: 19.83 min Scan# 1587

Delta R.T. -0.05 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-06(6-13)DL

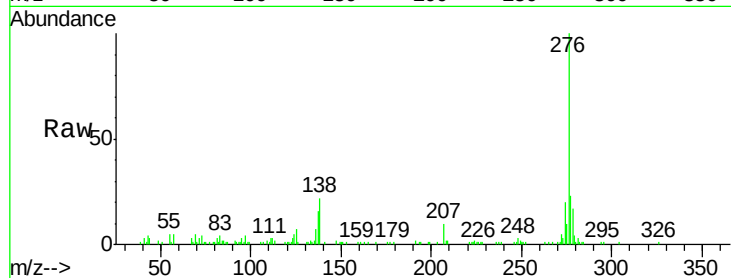
Tgt Ion: 278 Resp: 35040

Ion Ratio Lower Upper

278 100

139 0.0 12.8 19.2#

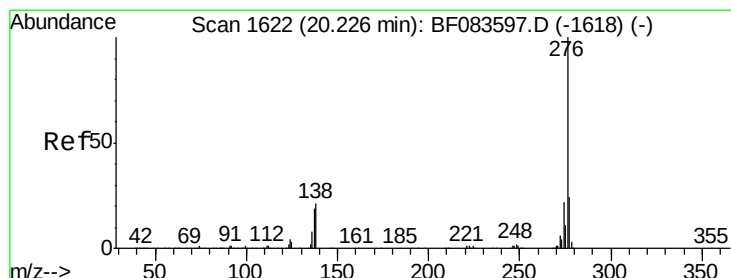
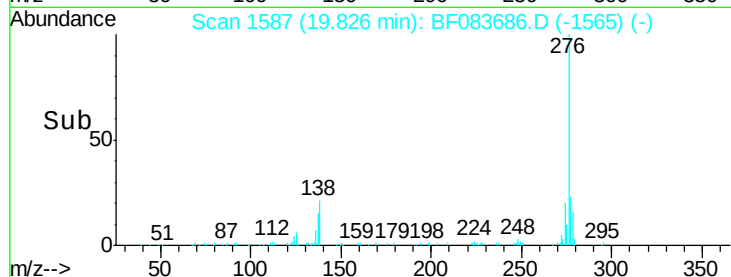
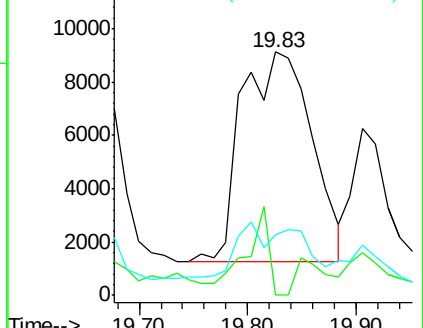
279 25.0 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 15.12 ng

RT: 20.17 min Scan# 1617

Delta R.T. -0.06 min

Lab File: BF083686.D

Acq: 10 Dec 2015 20:31

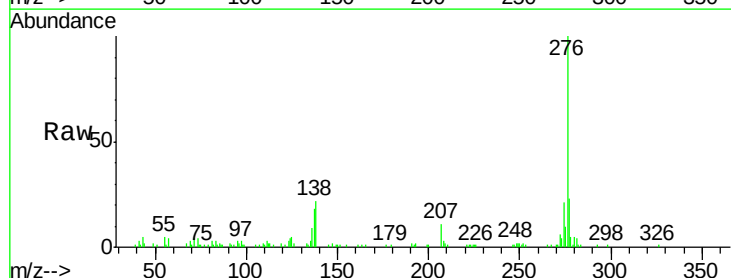
Tgt Ion: 276 Resp: 191400

Ion Ratio Lower Upper

276 100

277 22.9 19.2 28.8

138 22.2 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

