

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083547.D
 Acq On : 7 Dec 2015 7:18
 Operator : UM/IZ
 Sample : G4594-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 09:45:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	154380	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	543960	20.00	ng	-0.05
38) Acenaphthene-d10	10.43	164	244109	20.00	ng	-0.03
63) Phenanthrene-d10	12.82	188	375770	20.00	ng	-0.03
75) Chrysene-d12	17.04	240	283904	20.00	ng	-0.01
86) Perylene-d12	18.67	264	249388	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1093668	107.48	ng	-0.01
7) Phenol-d6	5.30	99	1446350	103.16	ng	-0.02
23) Nitrobenzene-d5	6.56	82	960354	82.53	ng	-0.05
41) 2,4,6-Tribromophenol	11.72	330	218269	96.93	ng	-0.03
44) 2-Fluorobiphenyl	9.38	172	1214050	67.46	ng	-0.05
78) Terphenyl-d14	15.46	244	753063	59.02	ng	-0.02

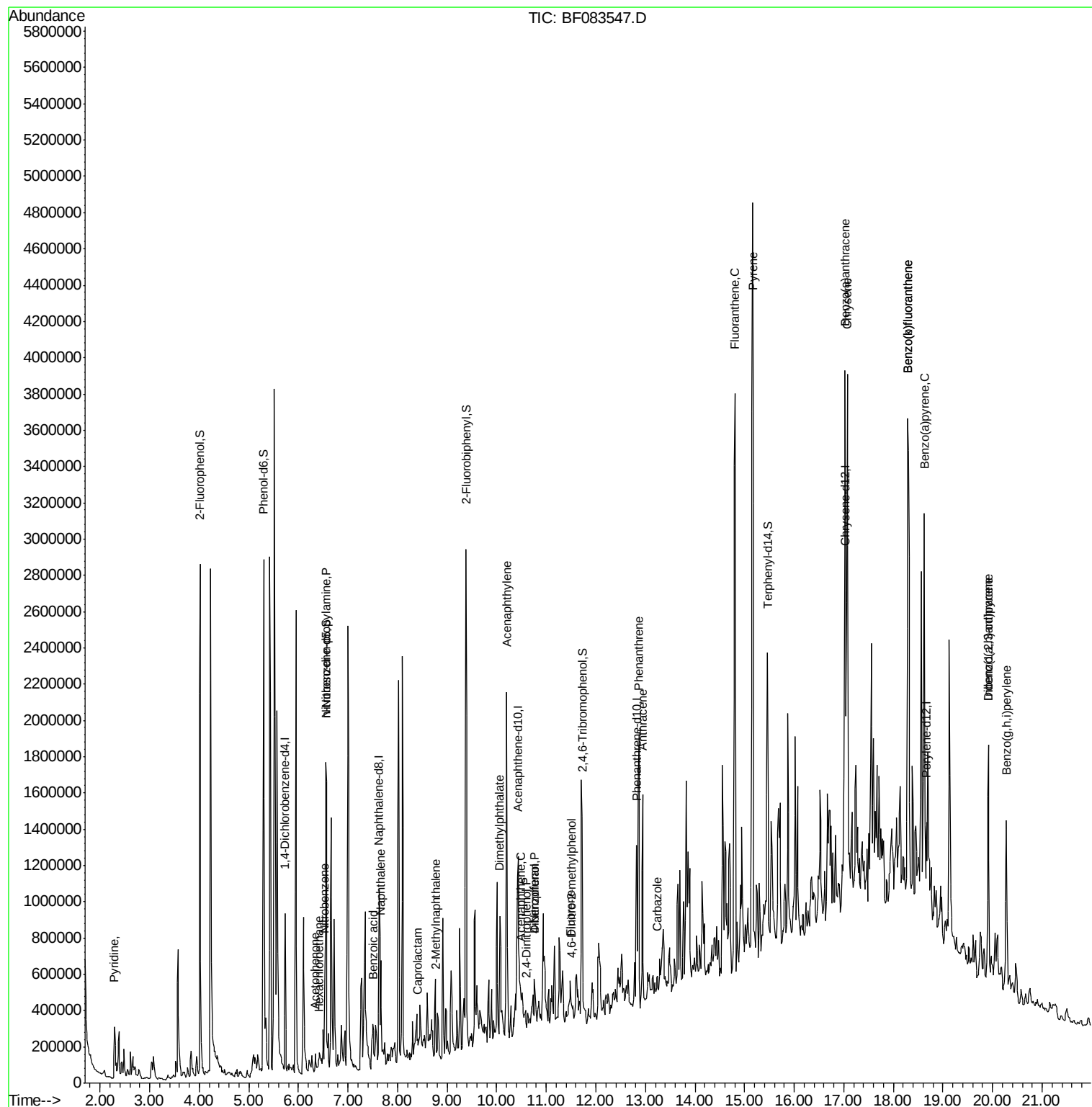
Target Compounds						Qvalue
3) Pyridine	2.29	79	140475	11.03	ng	# 31
18) Hexachloroethane	6.42	117	28567	6.39	ng	# 22
19) n-Nitroso-di-n-propylamine	6.56	70	127744	13.66	ng	# 82
22) Acetophenone	6.34	105	51288	3.27	ng	# 90
24) Nitrobenzene	6.53	77	26326	2.05	ng	# 1
31) Naphthalene	7.66	128	326172	11.26	ng	98
32) Benzoic acid	7.50	122	2397	3.12	ng	# 1
35) Caprolactam	8.41	113	6095	2.37	ng	# 1
37) 2-Methylnaphthalene	8.77	142	92441	5.16	ng	# 96
48) Acenaphthylene	10.20	152	1090744	40.75	ng	100
49) Dimethylphthalate	10.06	163	301396	15.69	ng	99
51) Acenaphthene	10.48	154	46455	3.02	ng	96
53) 2,4-Dinitrophenol	10.59	184	216	7.67	ng	# 1
54) Dibenzofuran	10.76	168	82382	3.86	ng	94
55) 4-Nitrophenol	10.76	139	23025	9.37	ng	# 35
57) Fluorene	11.48	166	102055	5.50	ng	98
64) 4,6-Dinitro-2-methylphenol	11.50	198	1029	3.86	ng	# 1
70) Phenanthrene	12.87	178	929153	42.48	ng	99
71) Anthracene	12.95	178	642132	28.79	ng	99
72) Carbazole	13.24	167	68202	3.56	ng	# 90
74) Fluoranthene	14.81	202	2289116	105.60	ng	99
77) Pyrene	15.16	202	3072129	144.65	ng	95
80) Benzo(a)anthracene	17.03	228	1928445	116.10	ng	94
82) Chrysene	17.07	228	1629498	98.47	ng	96
85) Indeno(1,2,3-cd)pyrene	19.92	276	853654	60.18	ng	# 100
87) Benzo(b)fluoranthene	18.29	252	2297921	164.07	ng	# 96
88) Benzo(k)fluoranthene	18.29	252	2297921	160.16	ng	99
89) Benzo(a)pyrene	18.63	252	1315316	96.55	ng	# 93
90) Dibenzo(a,h)anthracene	19.92	278	242847	18.53	ng	94
91) Benzo(g,h,i)perylene	20.28	276	830269	62.86	ng	96

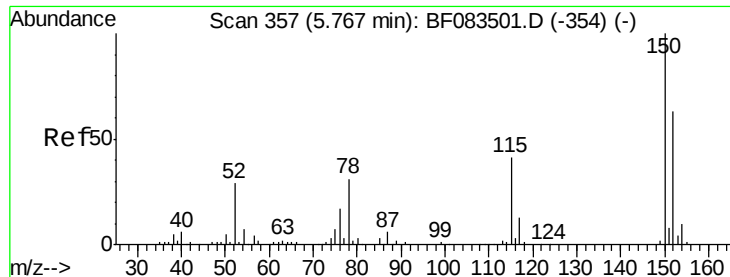
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.73 min Scan# 354

Delta R.T. -0.03 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampled :

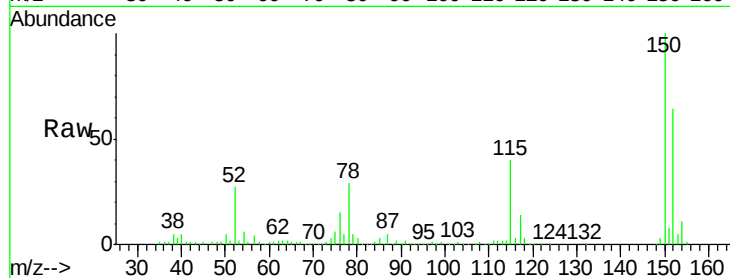
Tot Ion:152 Resp: 154380

Ion Ratio Lower Upper

152 100

150 155.4 126.5 189.7

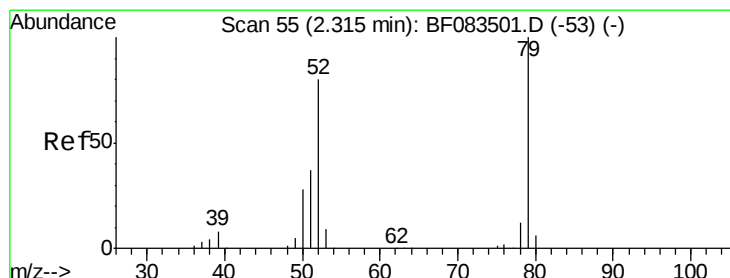
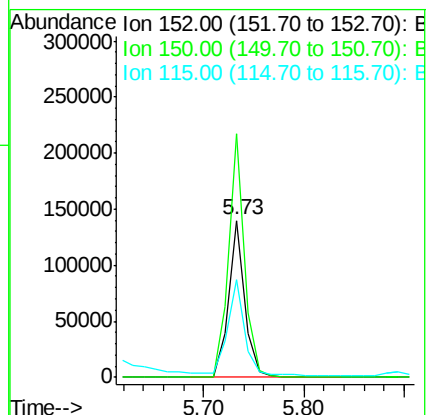
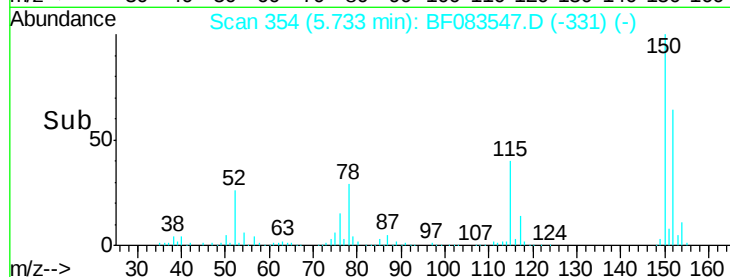
115 62.7 52.3 78.5



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



#3

Pyridine

Concen: 11.03 ng

RT: 2.29 min Scan# 53

Delta R.T. -0.02 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

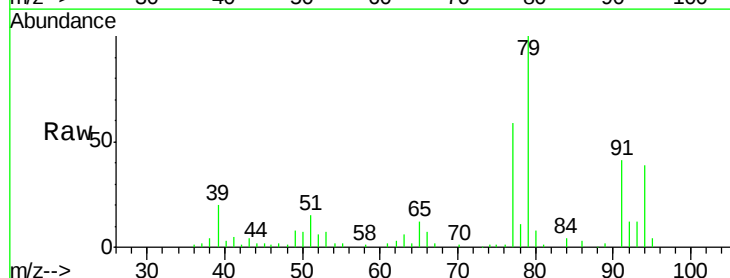
Tgt Ion: 79 Resp: 140475

Ion Ratio Lower Upper

79 100

52 6.4 63.7 95.5#

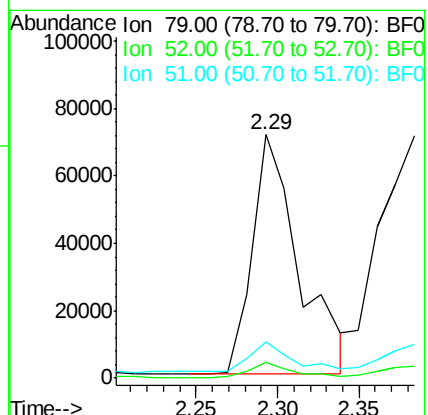
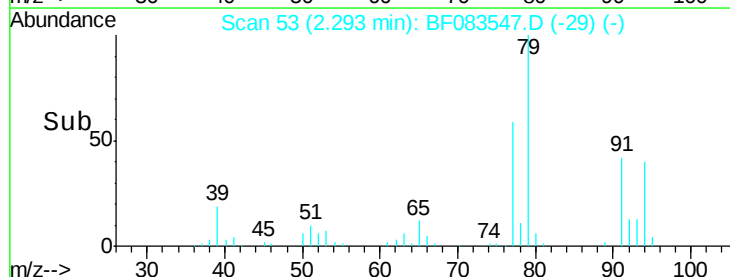
51 15.2 30.6 45.8#

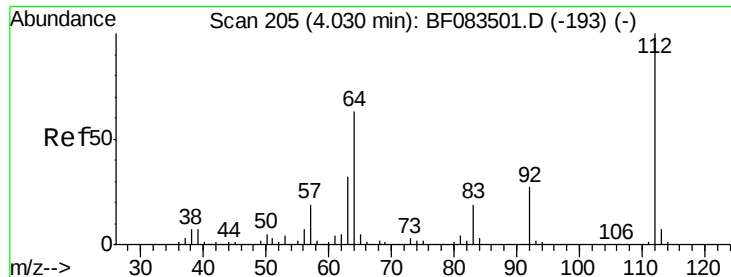


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 107.48 ng

RT: 4.02 min Scan# 204

Delta R.T. -0.01 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

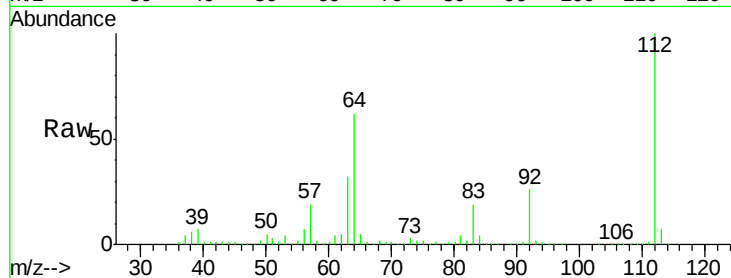
Tot Ion: 112 Resp: 1093668

Ion Ratio Lower Upper

112 100

64 61.7 50.5 75.7

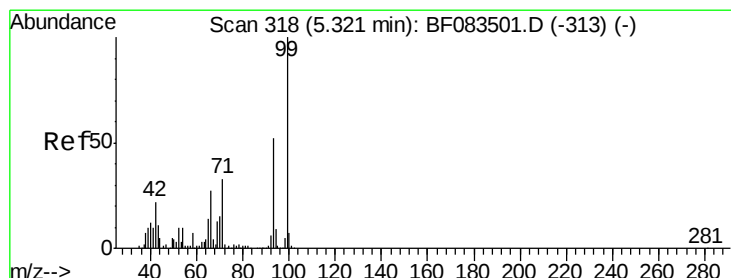
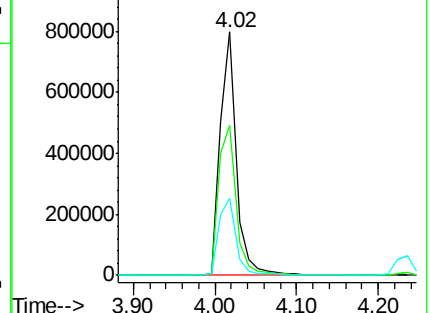
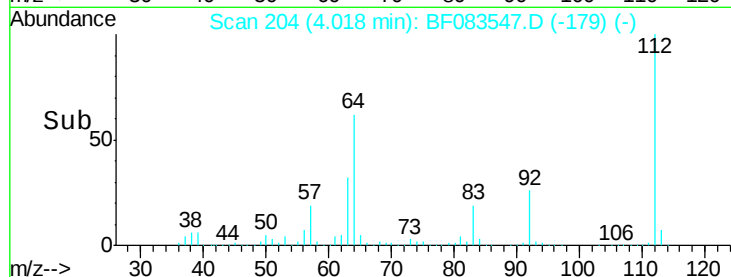
63 31.6 25.8 38.6



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: 103.16 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

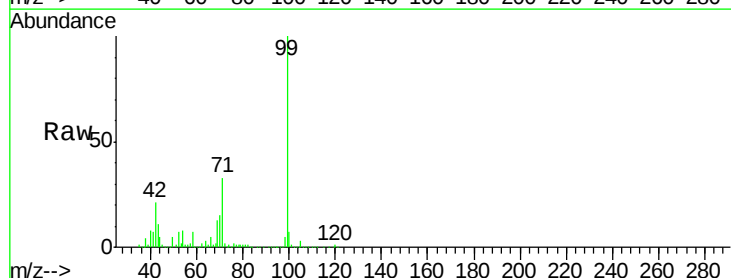
Tgt Ion: 99 Resp: 1446350

Ion Ratio Lower Upper

99 100

42 21.1 17.3 25.9

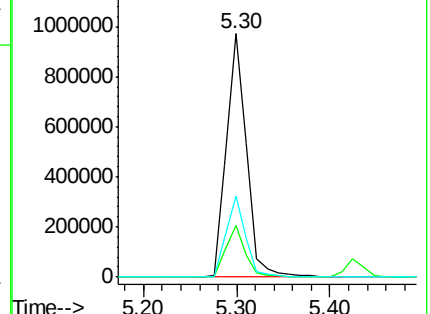
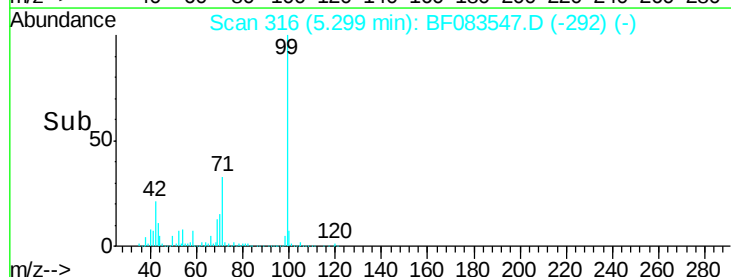
71 33.4 26.6 40.0

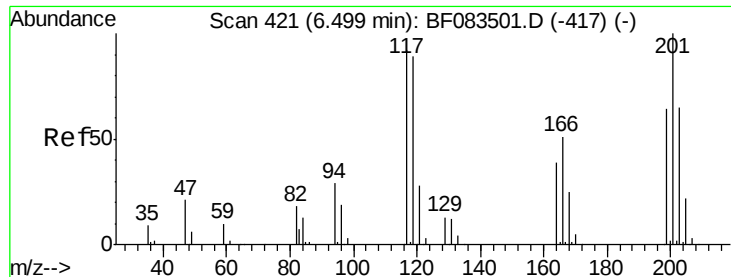


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

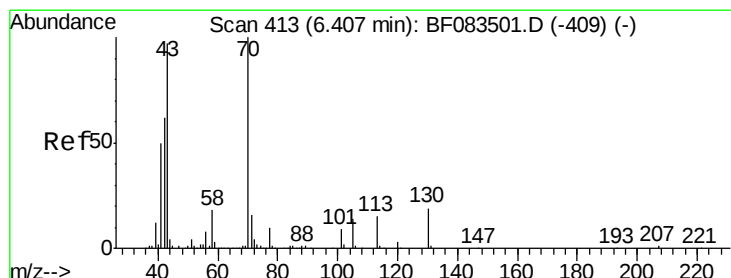
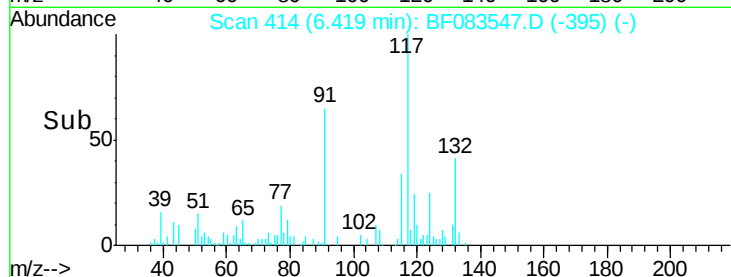
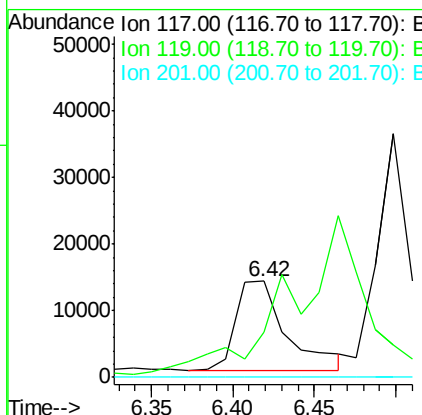
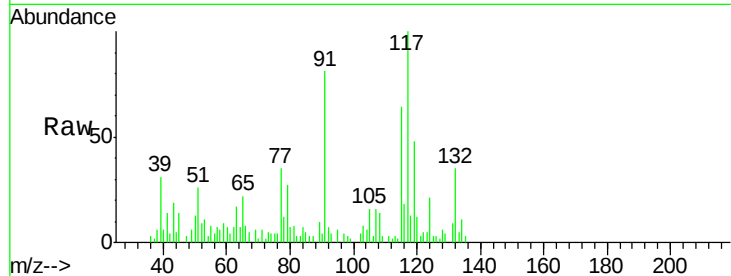




#18
Hexachloroethane
Concen: 6.39 ng
RT: 6.42 min Scan# 414
Delta R.T. -0.08 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

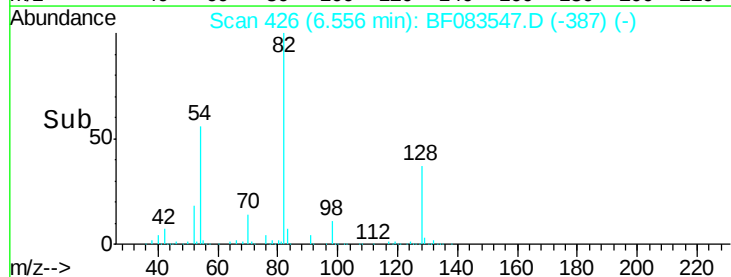
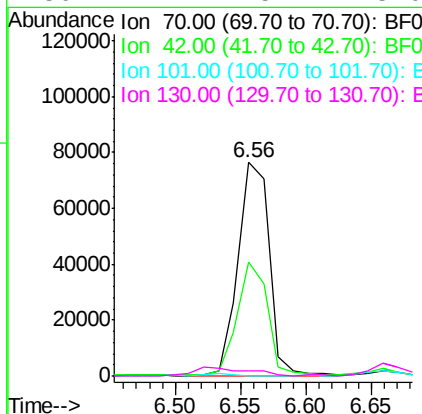
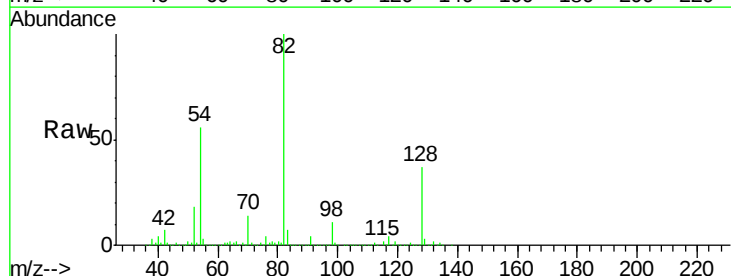
Instrument :
BNA_F
ClientSampled :

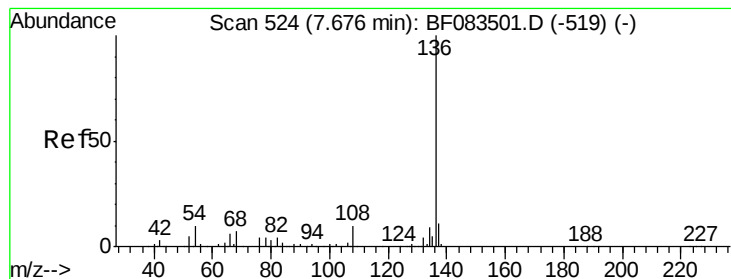
Tot Ion:117 Resp: 28567
Ion Ratio Lower Upper
117 100
119 47.7 77.2 115.8#
201 0.0 86.8 130.2#



#19
n-Nitroso-di-n-propylamine
Concen: 13.66 ng
RT: 6.56 min Scan# 426
Delta R.T. 0.15 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

Tgt Ion: 70 Resp: 127744
Ion Ratio Lower Upper
70 100
42 53.4 49.2 73.8
101 0.0 7.1 10.7#
130 2.7 15.4 23.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF083547.D

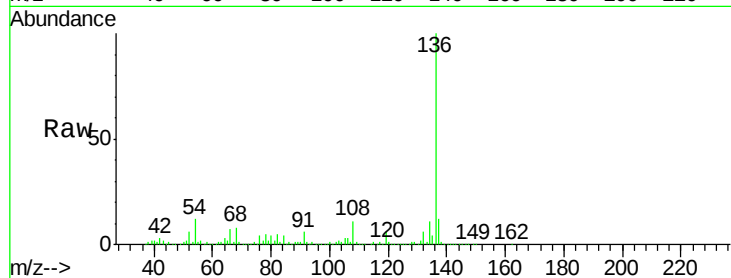
Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	543960
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.7 13.1
54	12.0	7.8 11.6#
68	8.3	5.7 8.5

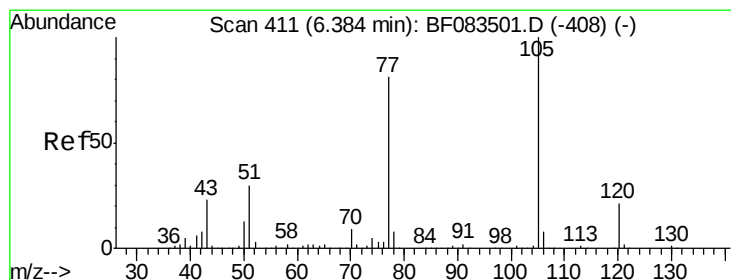
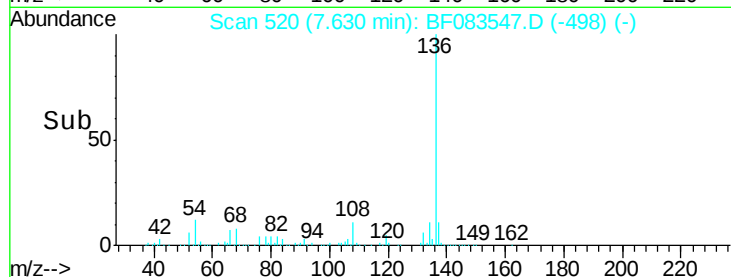
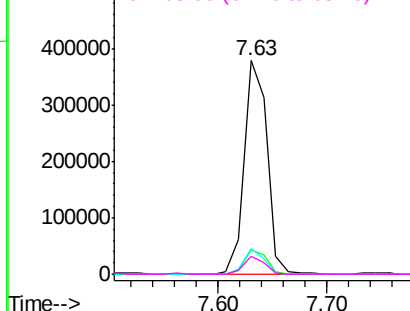


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 3.27 ng

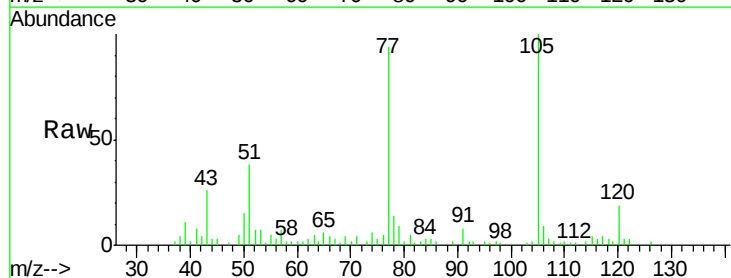
RT: 6.34 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Tgt Ion:105	Resp:	51288
Ion Ratio	Lower	Upper
105	100	
71	4.2	1.3 1.9#
51	37.9	23.8 35.8#
120	19.5	16.7 25.1

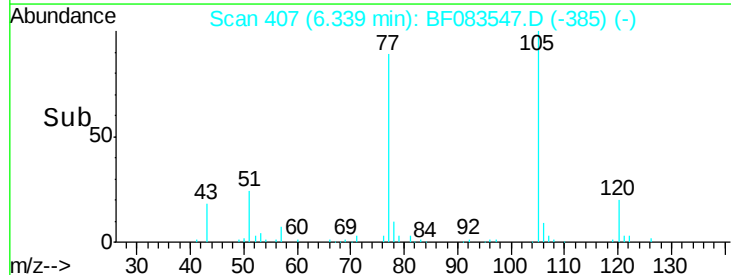
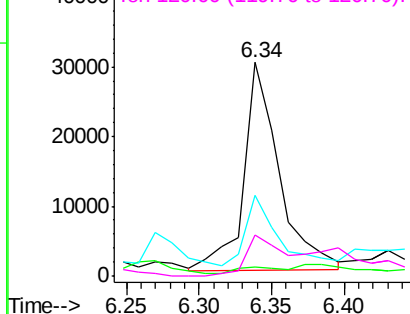


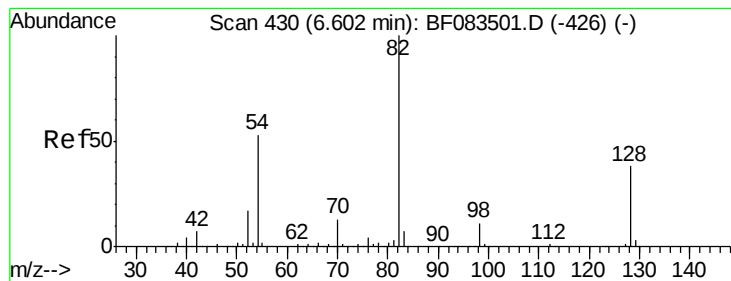
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 82.53 ng

RT: 6.56 min Scan# 426

Delta R.T. -0.05 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

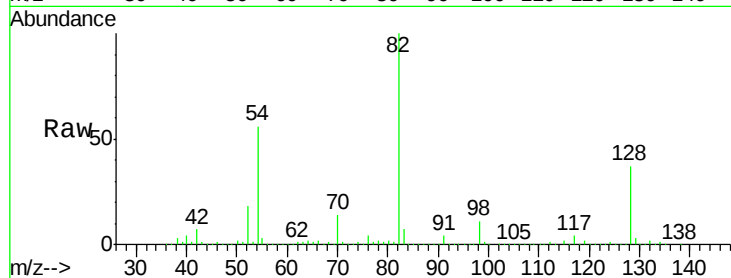
Tot Ion: 82 Resp: 960354

Ion Ratio Lower Upper

82 100

128 36.6 30.7 46.1

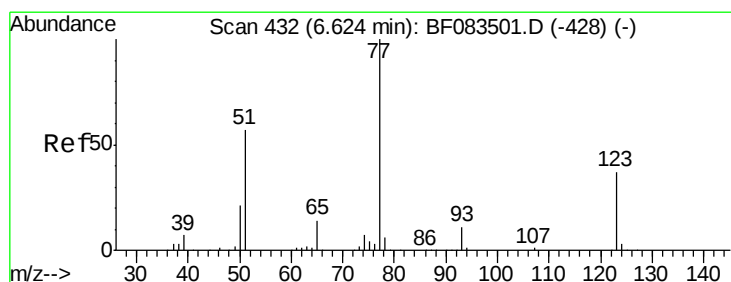
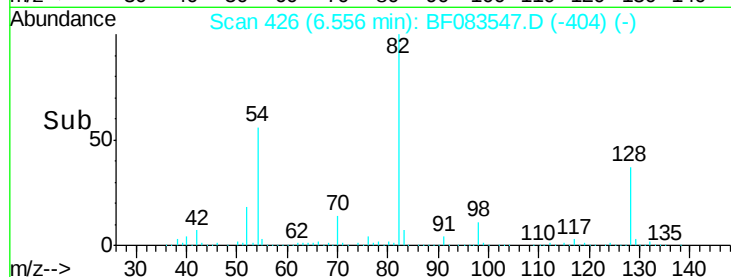
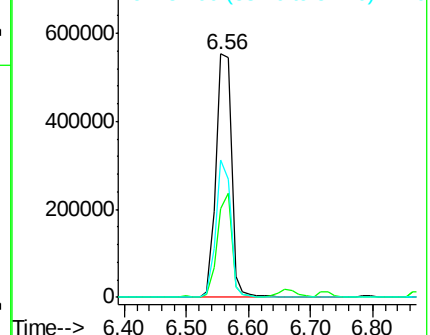
54 56.4 42.5 63.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 2.05 ng

RT: 6.53 min Scan# 424

Delta R.T. -0.09 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

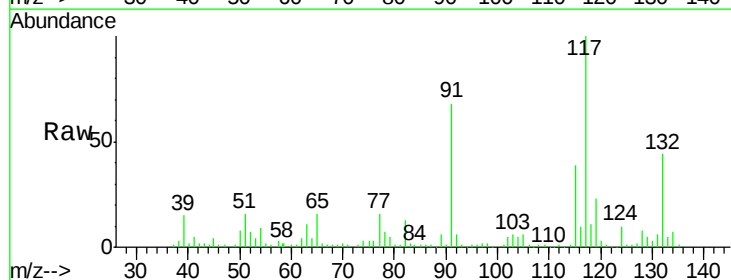
Tgt Ion: 77 Resp: 26326

Ion Ratio Lower Upper

77 100

123 2.7 29.8 44.6#

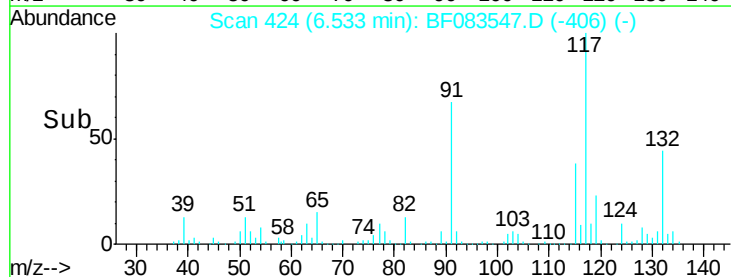
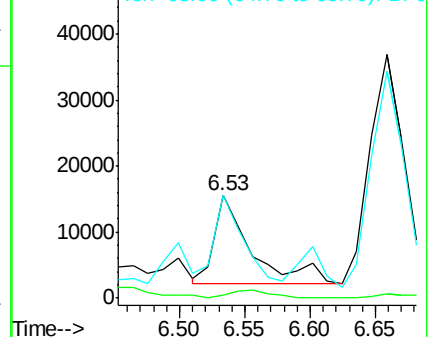
65 100.6 11.1 16.7#

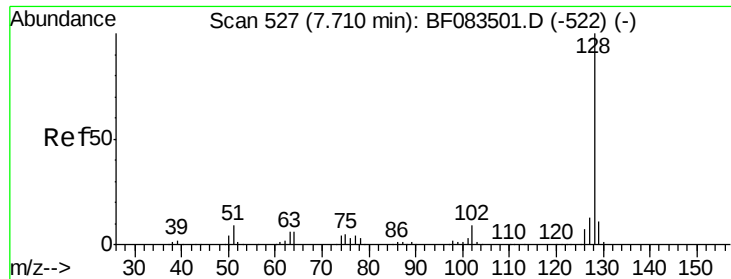


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

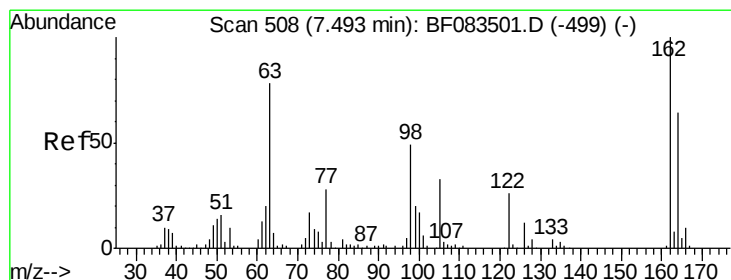
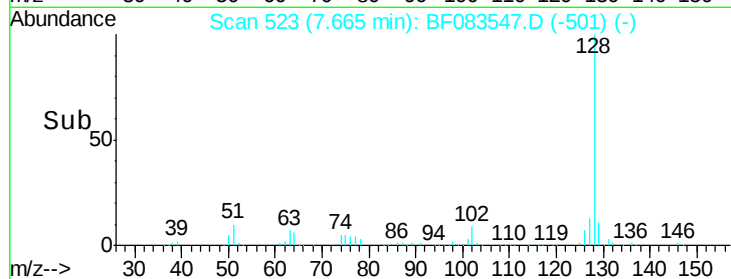
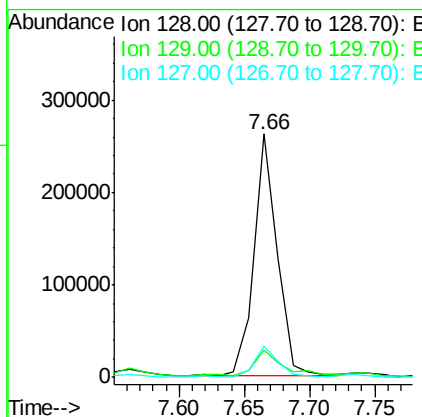
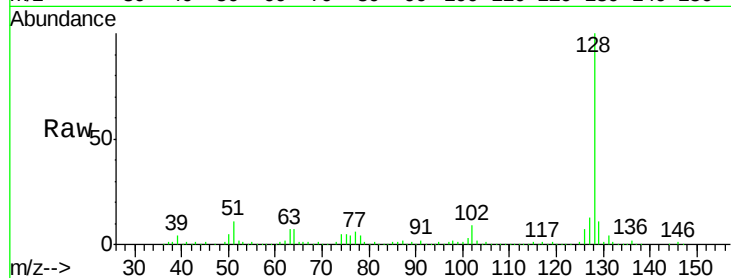




#31
Naphthalene
Concen: 11.26 ng
RT: 7.66 min Scan# 523
Delta R.T. -0.05 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

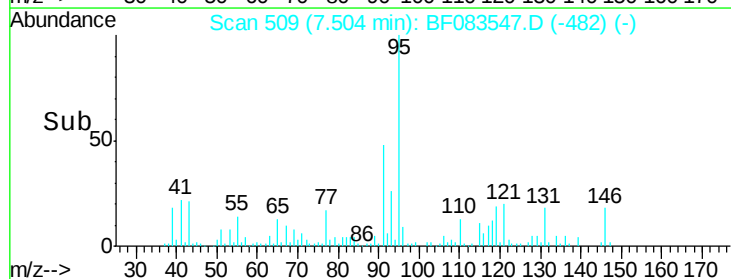
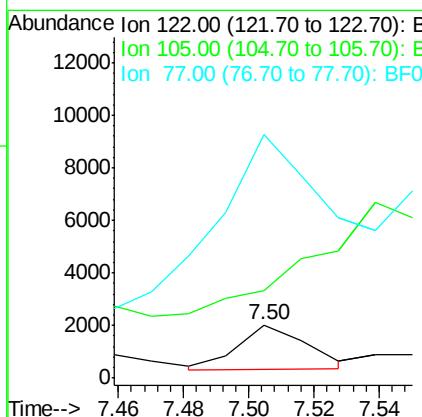
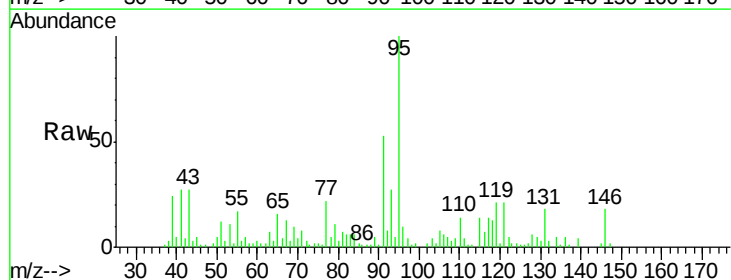
Instrument :
BNA_F
ClientSampleId :

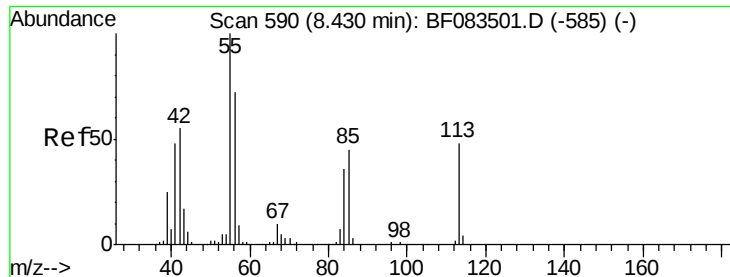
Tot Ion:128 Resp: 326172
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 12.7 10.6 16.0



#32
Benzoic acid
Concen: 3.12 ng
RT: 7.50 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

Tgt Ion:122 Resp: 2397
Ion Ratio Lower Upper
122 100
105 164.2 105.6 145.6#
77 458.4 86.8 126.8#





#35

Caprolactam

Concen: 2.37 ng

RT: 8.41 min Scan# 588

Delta R.T. -0.02 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

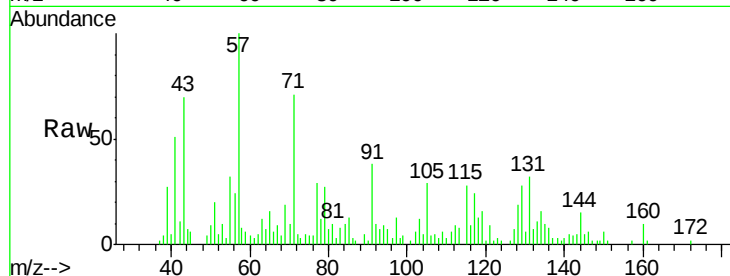
Tot Ion:113 Resp: 6095

Ion Ratio Lower Upper

113 100

55 399.4 189.7 229.7#

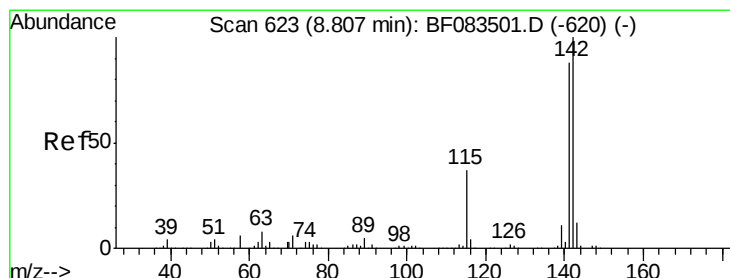
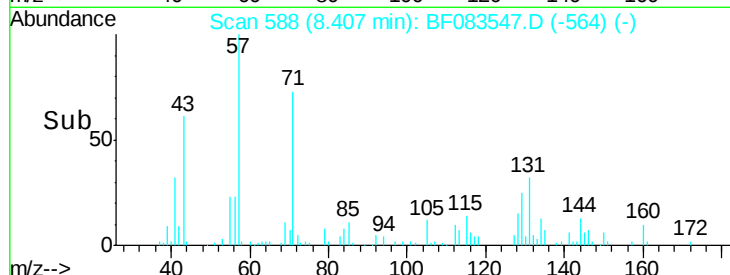
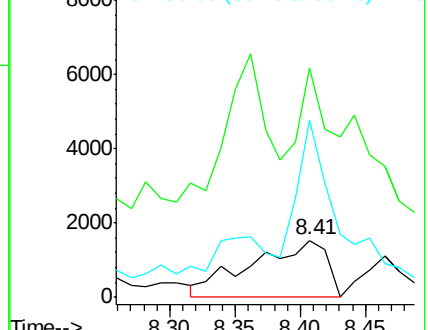
56 309.3 130.7 170.7#



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: 5.16 ng

RT: 8.77 min Scan# 620

Delta R.T. -0.03 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

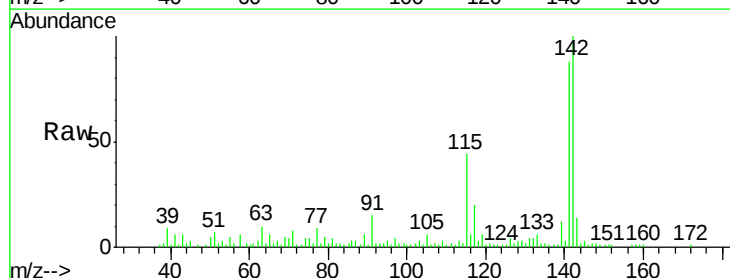
Tgt Ion:142 Resp: 92441

Ion Ratio Lower Upper

142 100

141 88.4 70.3 105.5

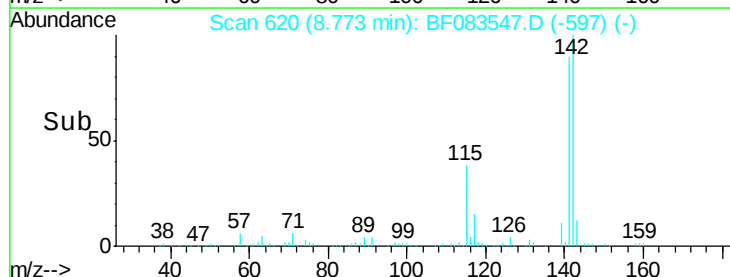
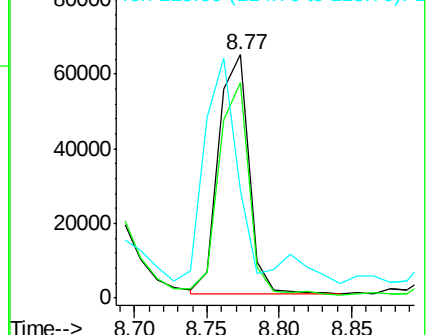
115 44.5 29.2 43.8#

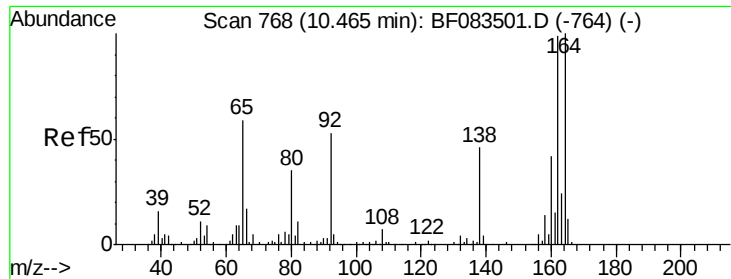


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.43 min Scan# 765

Delta R.T. -0.03 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

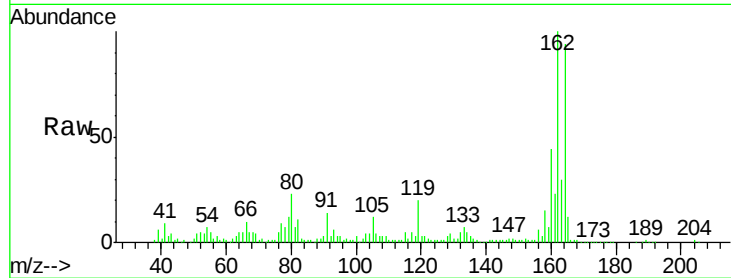
Tot Ion:164 Resp: 244109

Ion Ratio Lower Upper

164 100

162 106.1 78.8 118.2

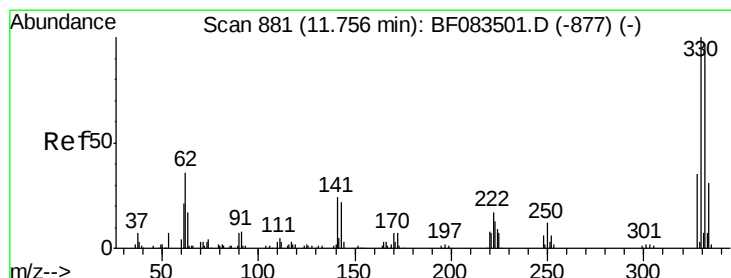
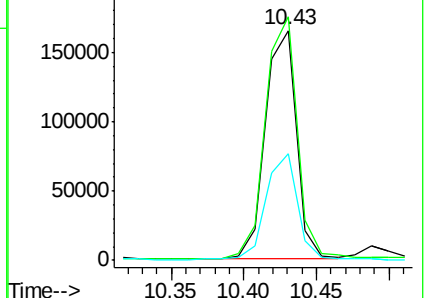
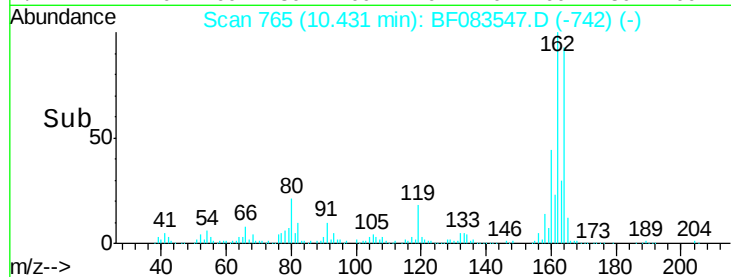
160 46.5 33.4 50.2



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: 96.93 ng

RT: 11.72 min Scan# 878

Delta R.T. -0.03 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

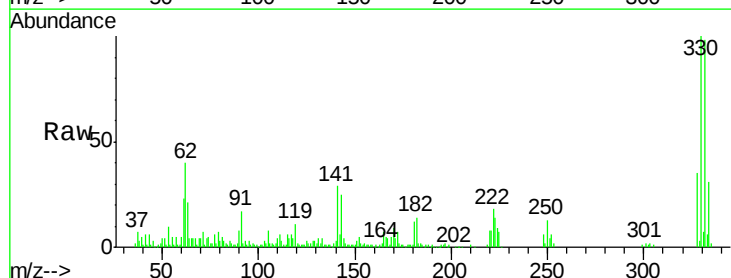
Tgt Ion:330 Resp: 218269

Ion Ratio Lower Upper

330 100

332 96.8 0.0 0.0#

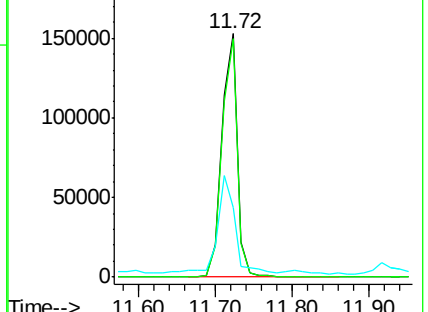
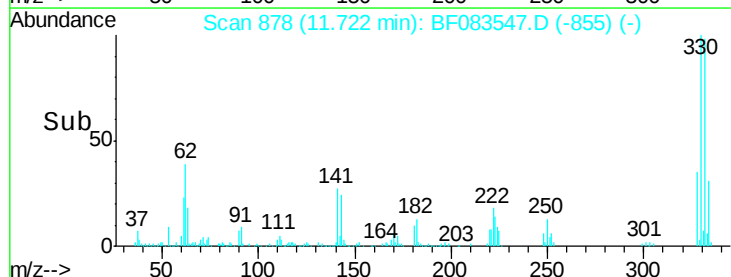
141 45.1 0.0 0.0#

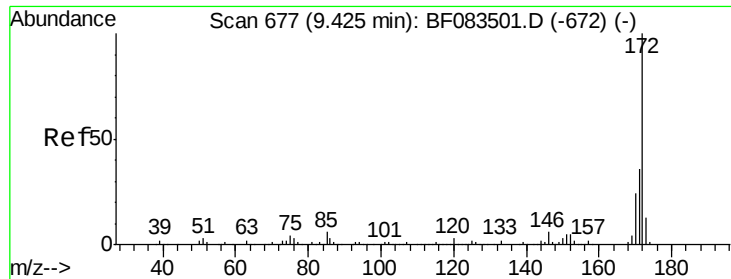


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

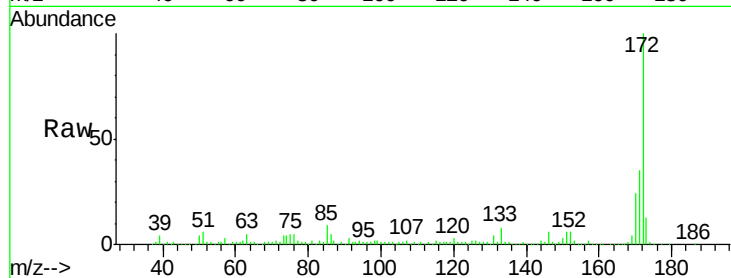




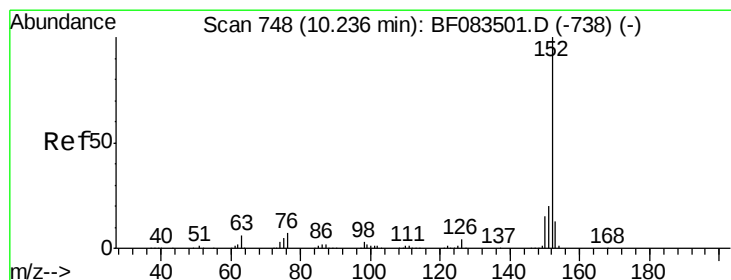
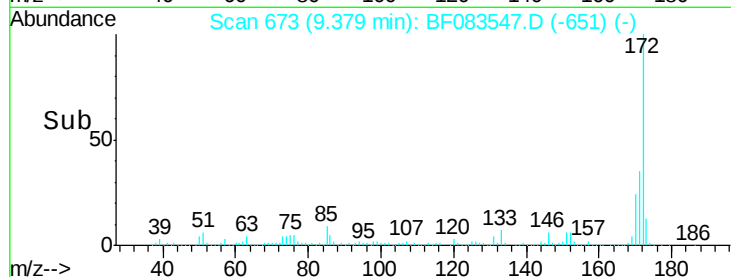
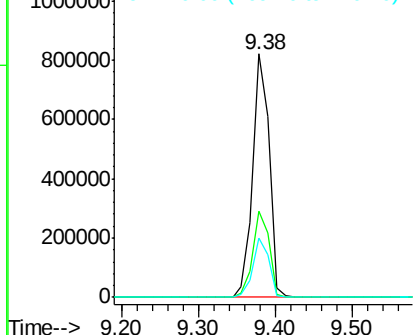
#44
 2-Fluorobiphenyl
 Concen: 67.46 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083547.D
 Acq: 7 Dec 2015 7:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1214050
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 24.2 19.4 29.0

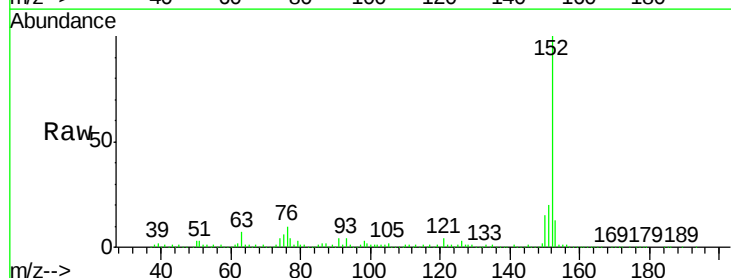


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

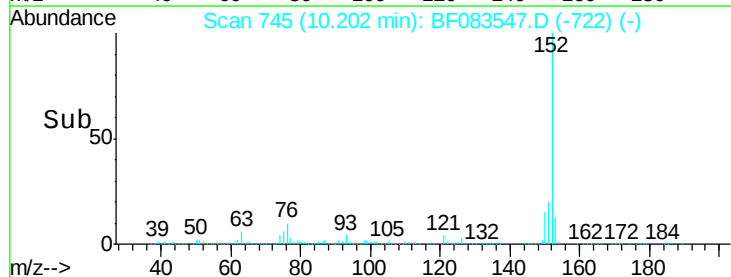
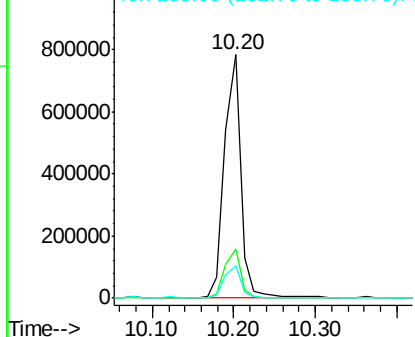


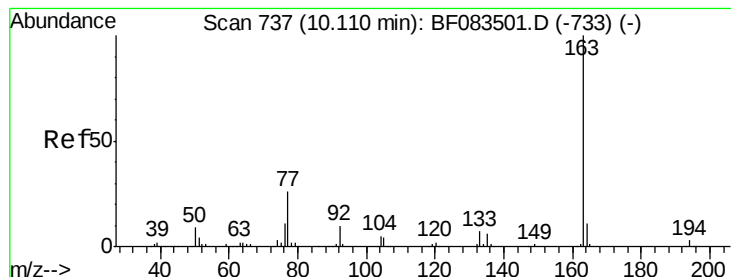
#48
 Acenaphthylene
 Concen: 40.75 ng
 RT: 10.20 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF083547.D
 Acq: 7 Dec 2015 7:18

Tgt Ion:152 Resp: 1090744
 Ion Ratio Lower Upper
 152 100
 151 20.2 16.3 24.5
 153 13.5 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





#49

Dimethylphthalate

Concen: 15.69 ng

RT: 10.06 min Scan# 733

Delta R.T. -0.05 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

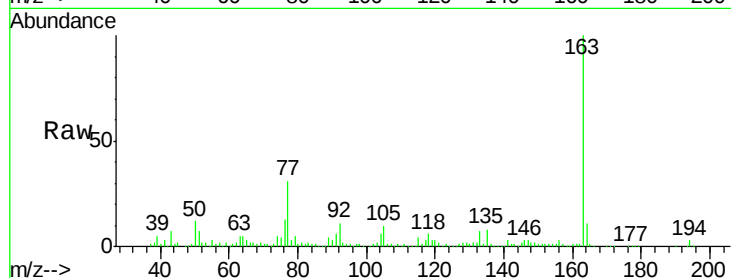
Tot Ion:163 Resp: 301396

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

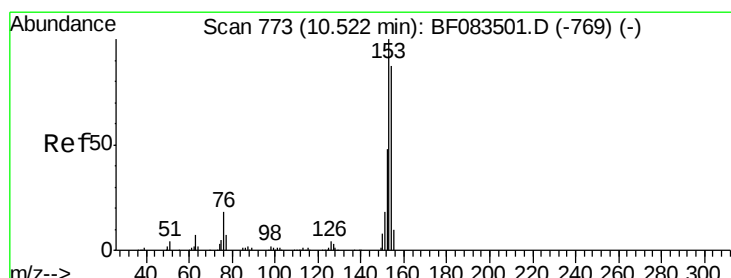
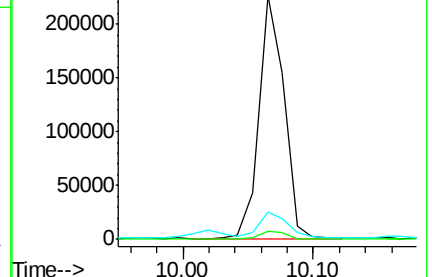
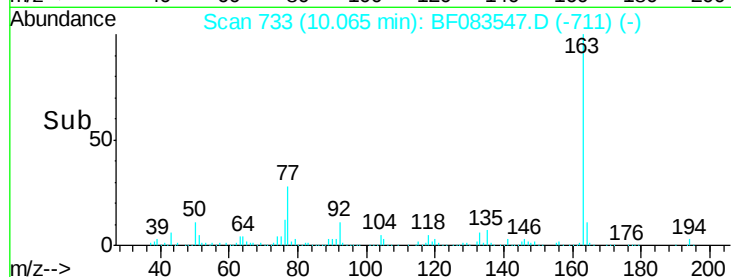
164 11.4 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 3.02 ng

RT: 10.48 min Scan# 769

Delta R.T. -0.05 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

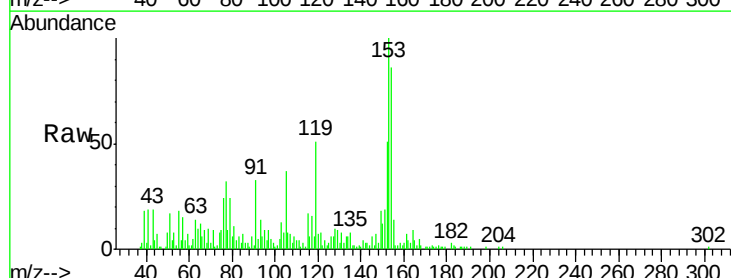
Tgt Ion:154 Resp: 46455

Ion Ratio Lower Upper

154 100

153 116.7 91.4 137.0

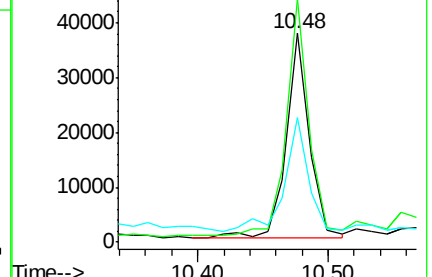
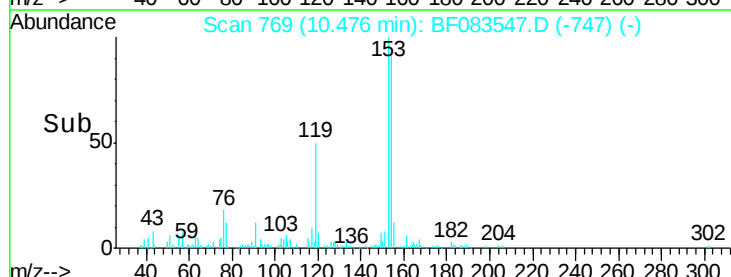
152 60.0 43.4 65.2

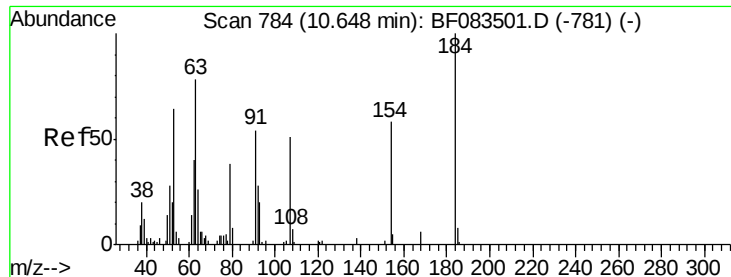


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

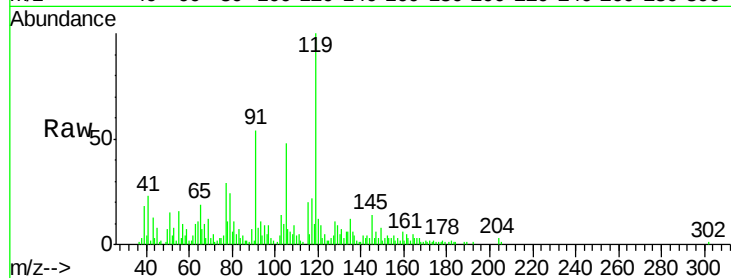




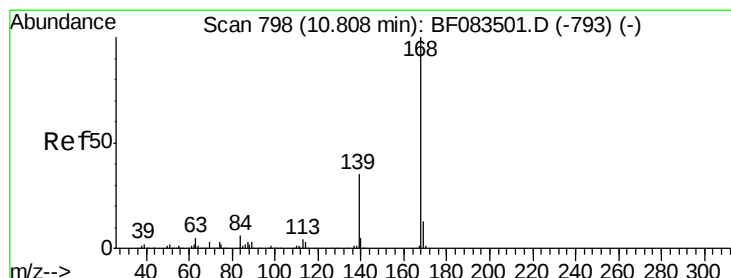
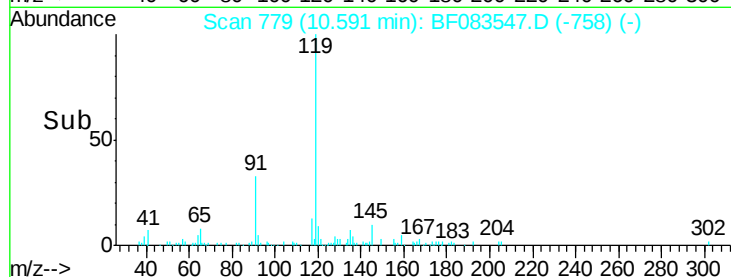
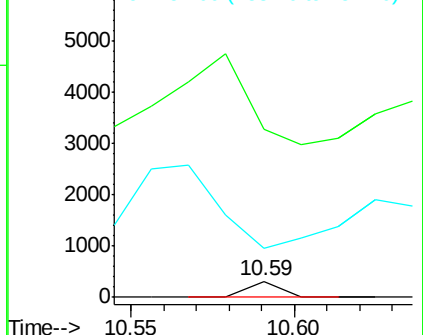
#53
2,4-Dinitrophenol
Concen: 7.67 ng
RT: 10.59 min Scan# 779
Delta R.T. -0.06 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 216
Ion Ratio Lower Upper
184 100
63 1041.0 62.4 93.6#
154 305.7 46.6 69.8#

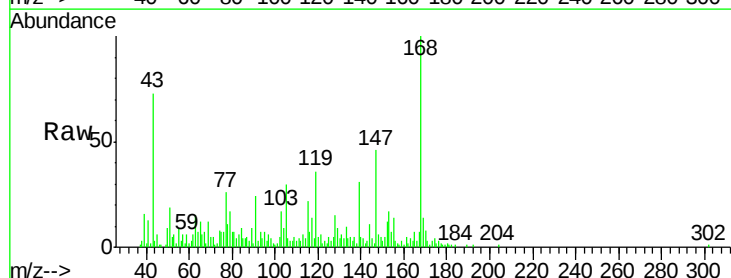


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

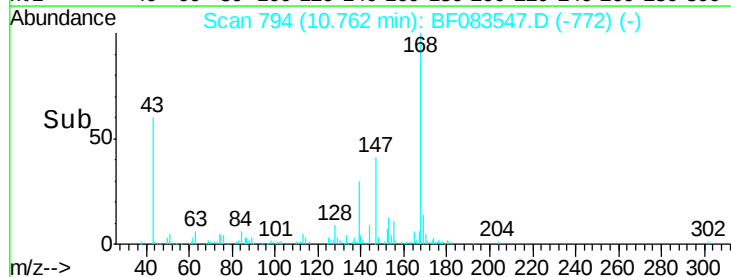
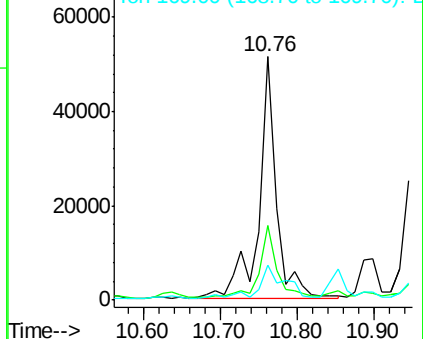


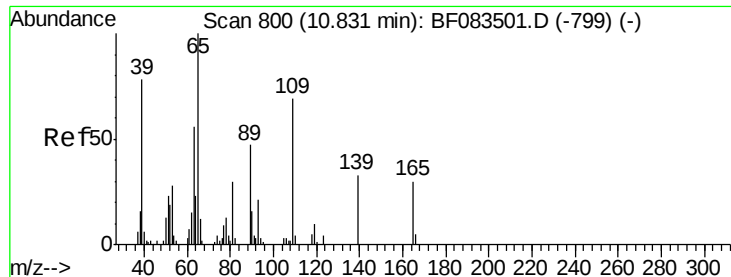
#54
Dibenzofuran
Concen: 3.86 ng
RT: 10.76 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

Tgt Ion:168 Resp: 82382
Ion Ratio Lower Upper
168 100
139 30.8 28.0 42.0
169 14.4 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 9.37 ng

RT: 10.76 min Scan# 794

Delta R.T. -0.07 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

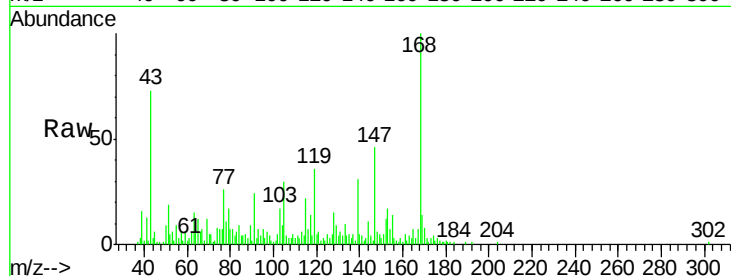
Tot Ion:139 Resp: 23025

Ion Ratio Lower Upper

139 100

109 15.4 42.0 82.0#

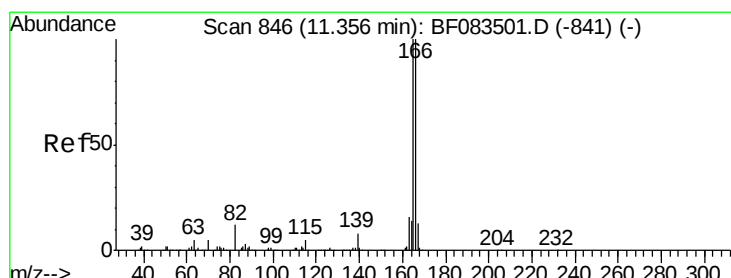
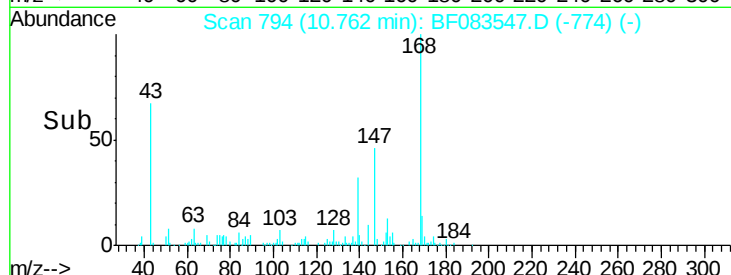
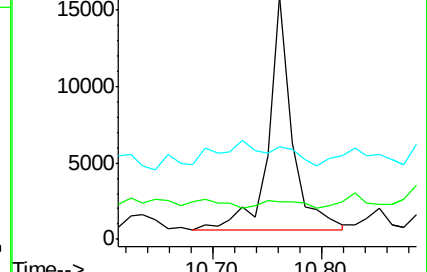
65 38.2 89.2 129.2#



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: 5.50 ng

RT: 11.48 min Scan# 857

Delta R.T. 0.13 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

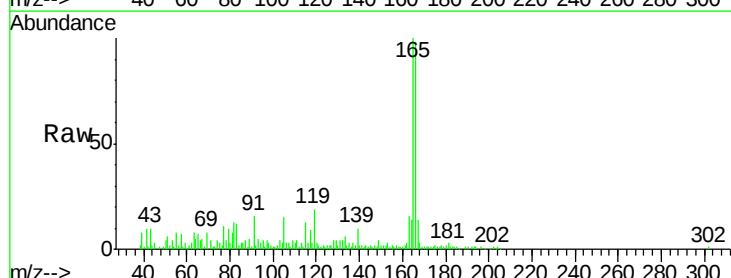
Tgt Ion:166 Resp: 102055

Ion Ratio Lower Upper

166 100

165 102.4 80.0 120.0

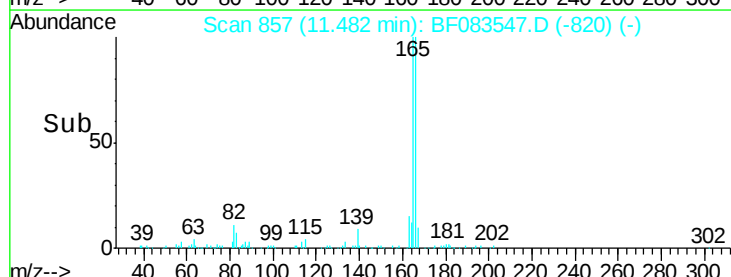
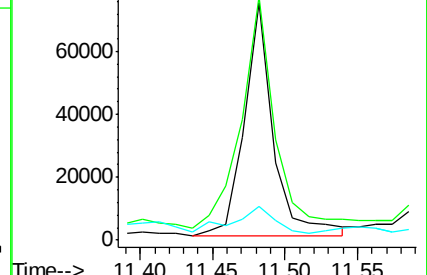
167 14.4 10.6 16.0

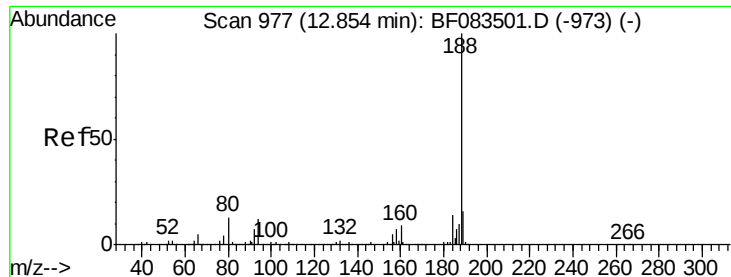


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

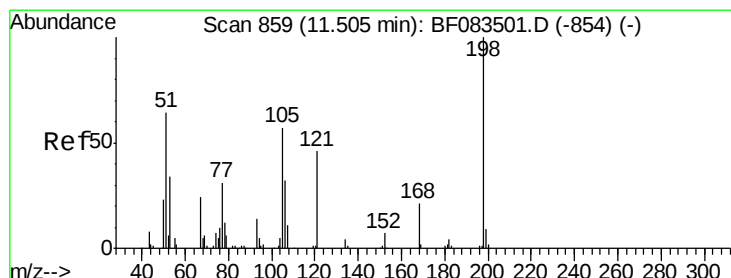
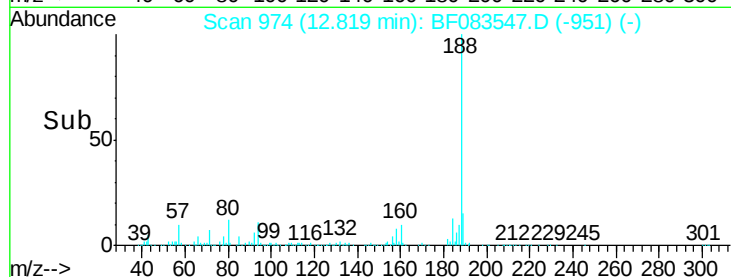
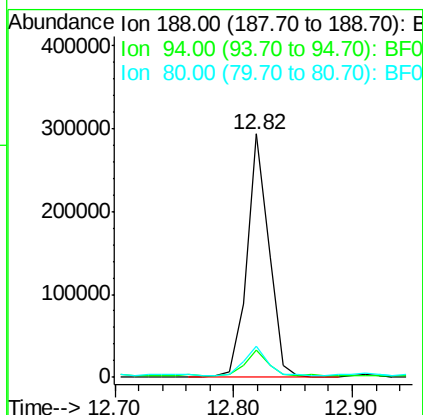
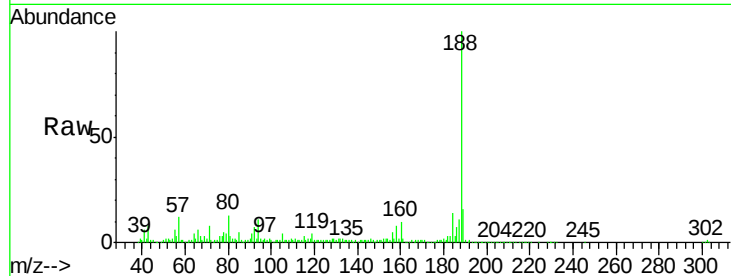




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

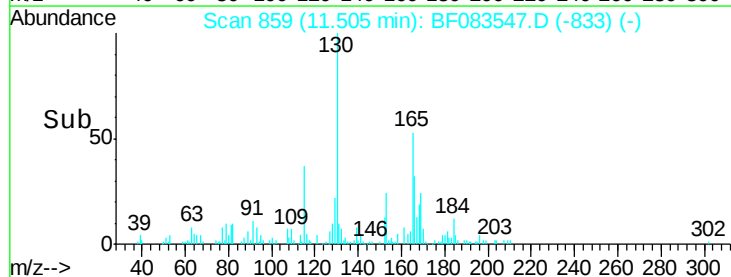
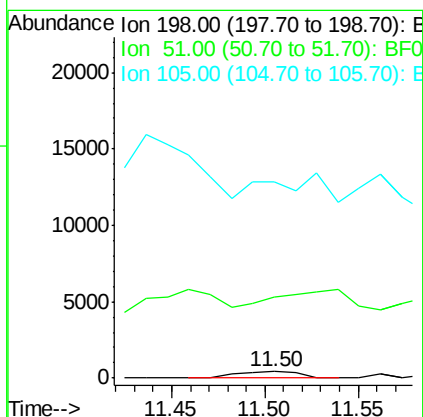
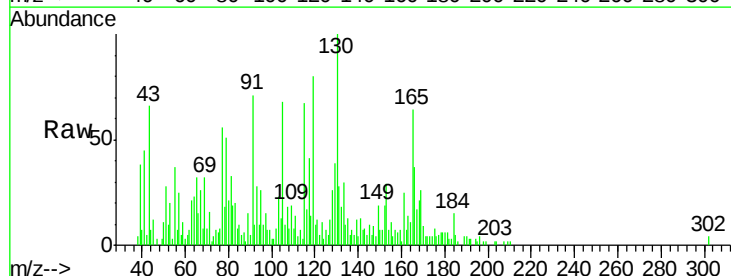
Instrument :
BNA_F
ClientSampleId :

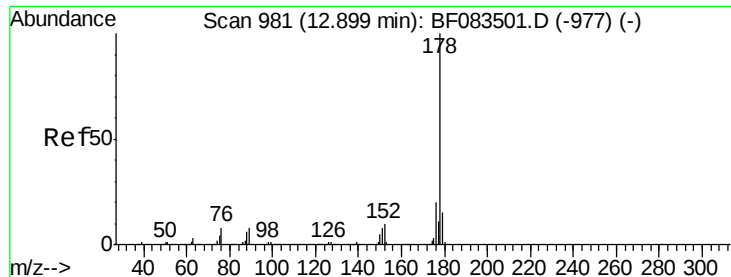
Tot Ion:188 Resp: 375770
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 12.9 10.6 16.0



#64
4,6-Dinitro-2-methylphenol
Concen: 3.86 ng
RT: 11.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

Tgt Ion:198 Resp: 1029
Ion Ratio Lower Upper
198 100
51 1267.5 53.8 93.8#
105 3092.5 38.6 78.6#

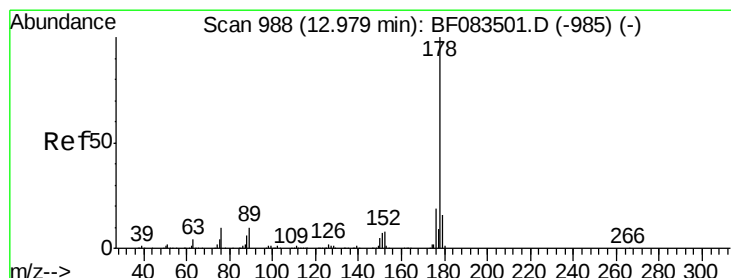
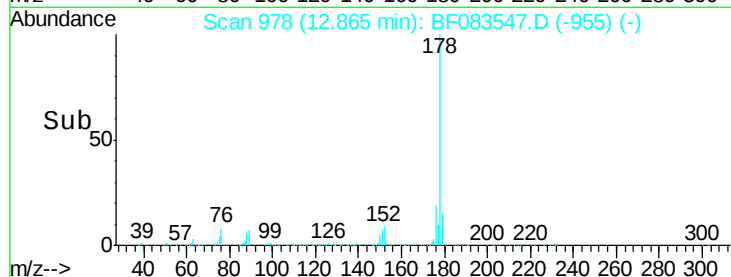
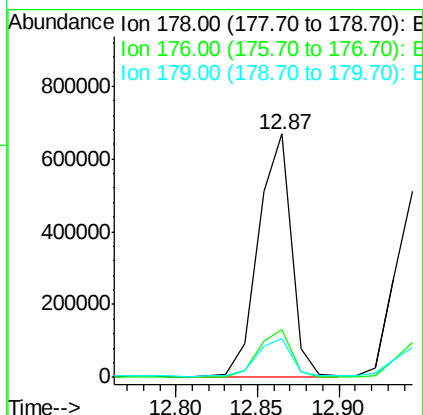
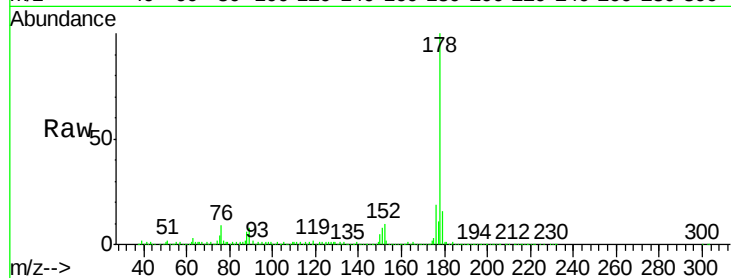




#70
Phenanthrene
Concen: 42.48 ng
RT: 12.87 min Scan# 978
Delta R.T. -0.03 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

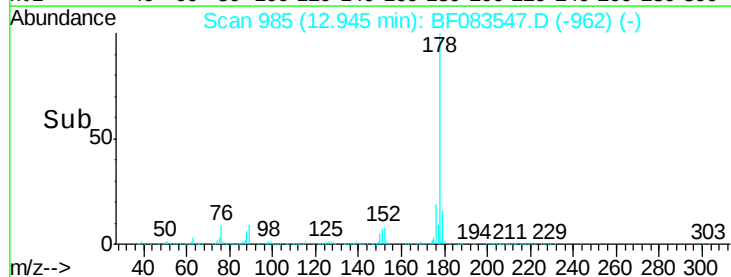
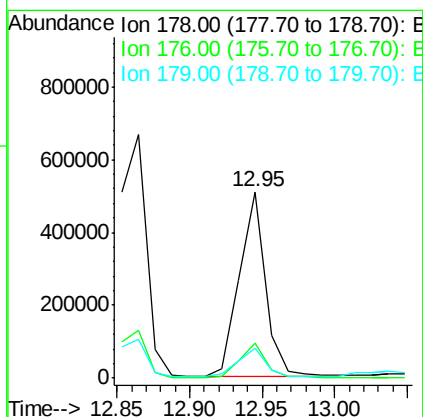
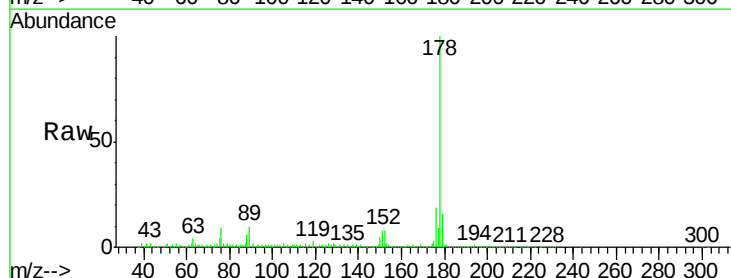
Instrument :
BNA_F
ClientSampleId :

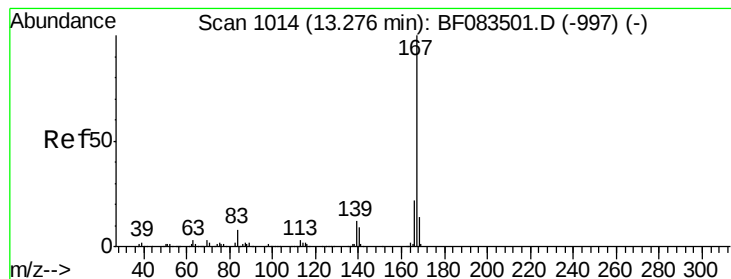
Tot Ion:178 Resp: 929153
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.9 12.2 18.4



#71
Anthracene
Concen: 28.79 ng
RT: 12.95 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

Tgt Ion:178 Resp: 642132
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 16.0 12.6 18.8





#72

Carbazole

Concen: 3.56 ng

RT: 13.24 min Scan# 1011

Delta R.T. -0.03 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

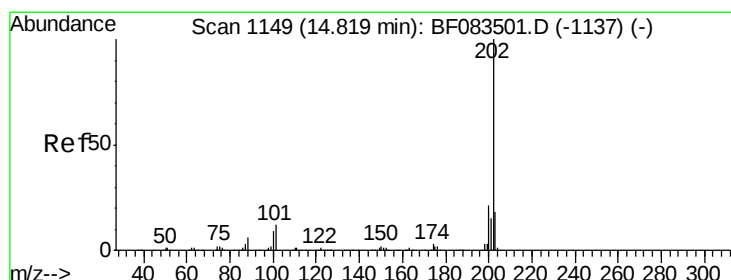
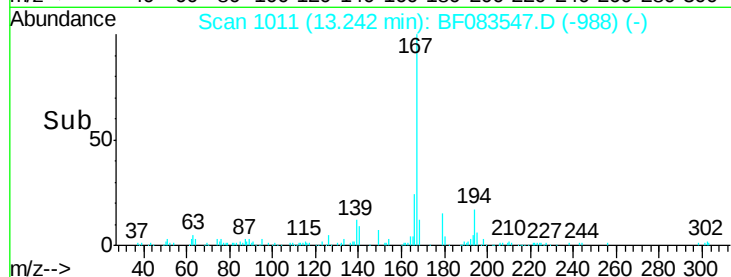
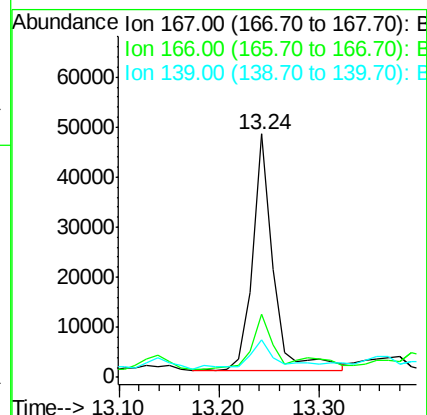
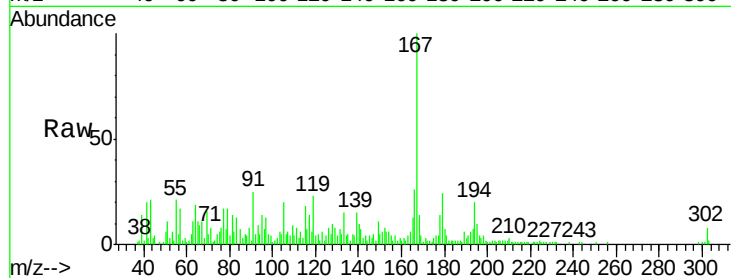
Tot Ion:167 Resp: 68202

Ion Ratio Lower Upper

167 100

166 26.2 17.2 25.8#

139 15.3 9.3 13.9#



#74

Fluoranthene

Concen: 105.60 ng

RT: 14.81 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

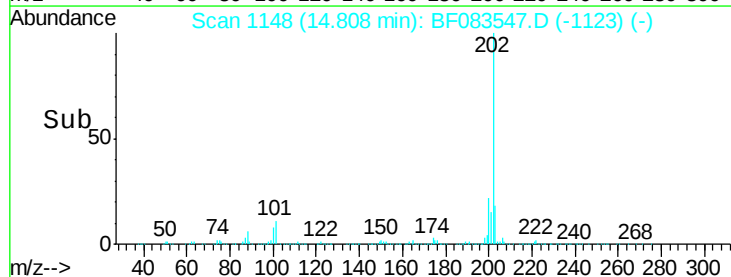
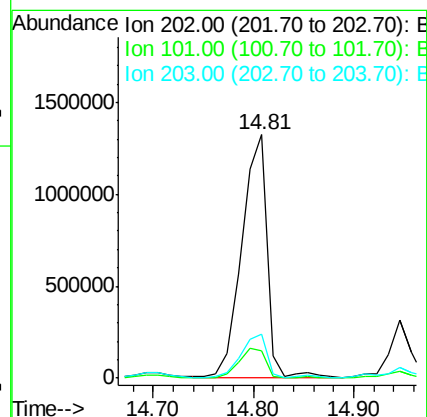
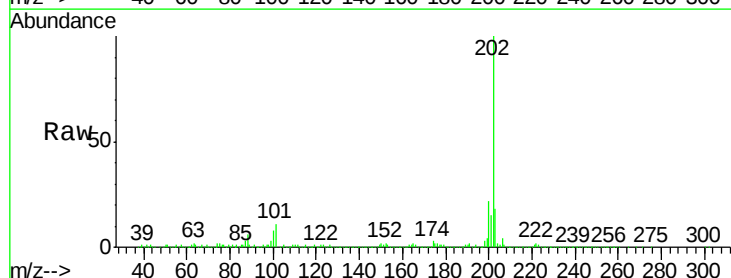
Tgt Ion:202 Resp: 2289116

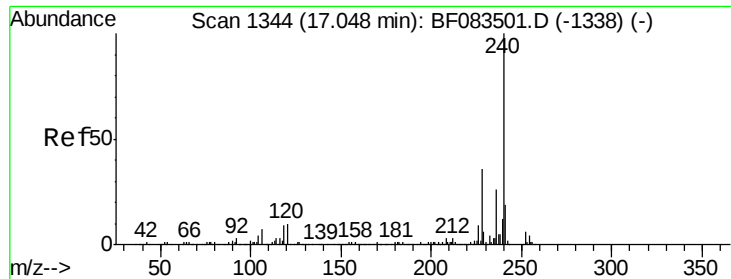
Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.5

203 18.3 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.04 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

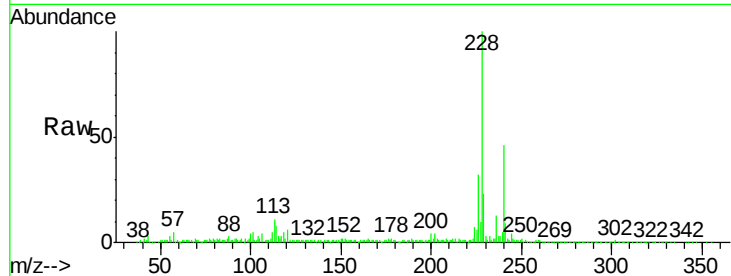
Tot Ion:240 Resp: 283904

Ion Ratio Lower Upper

240 100

120 12.2 8.1 12.1#

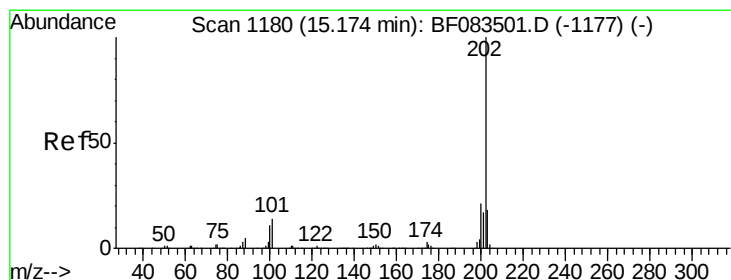
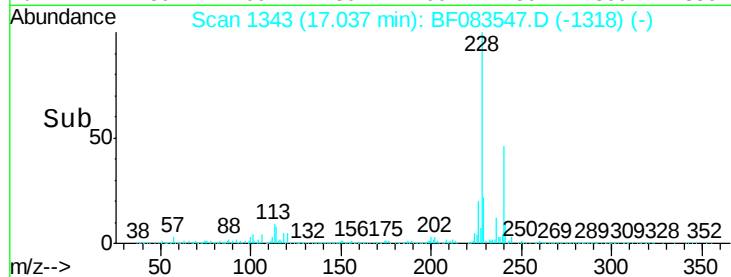
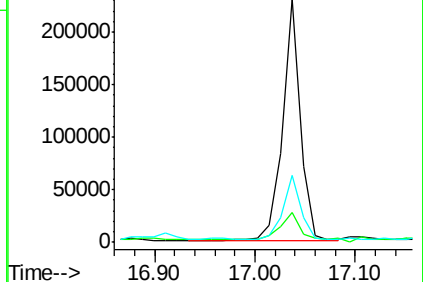
236 27.4 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 144.65 ng

RT: 15.16 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

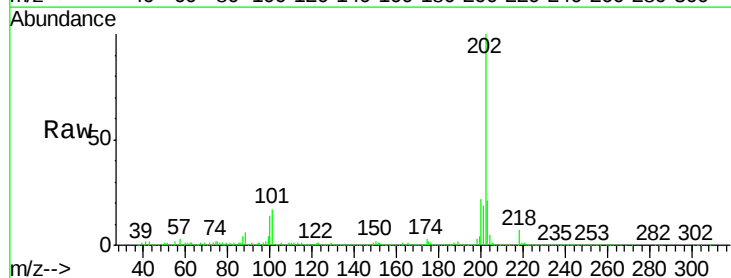
Tgt Ion:202 Resp: 3072129

Ion Ratio Lower Upper

202 100

200 22.2 16.7 25.1

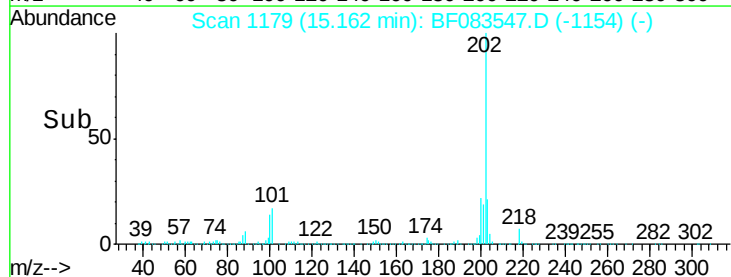
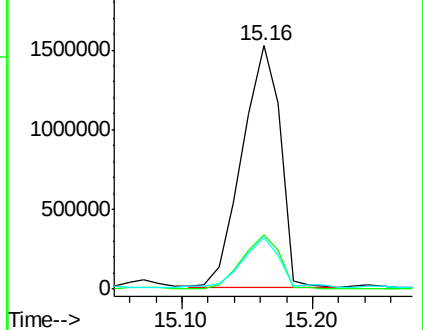
203 21.3 14.3 21.5

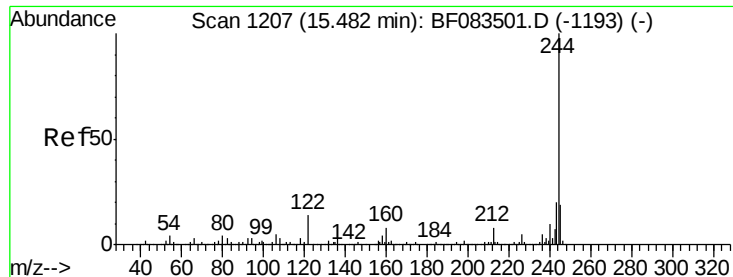


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.02 ng

RT: 15.46 min Scan# 1205

Delta R.T. -0.02 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

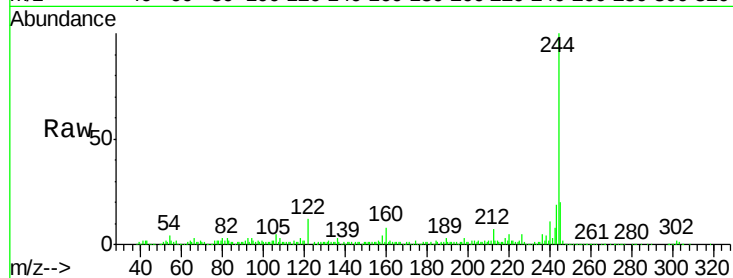
Tot Ion:244 Resp: 753063

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

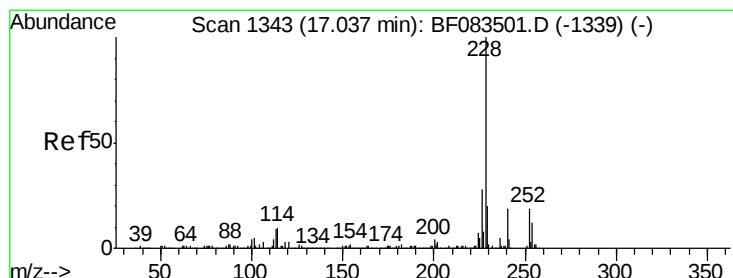
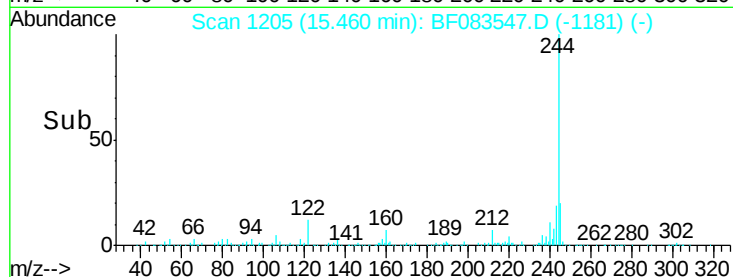
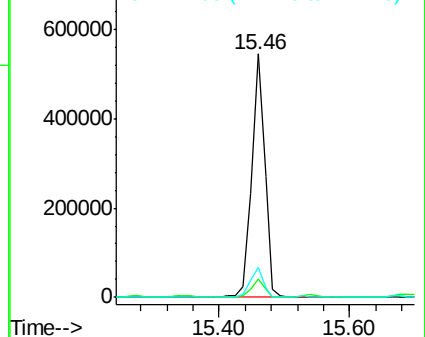
122 12.5 11.0 16.6



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: 116.10 ng

RT: 17.03 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

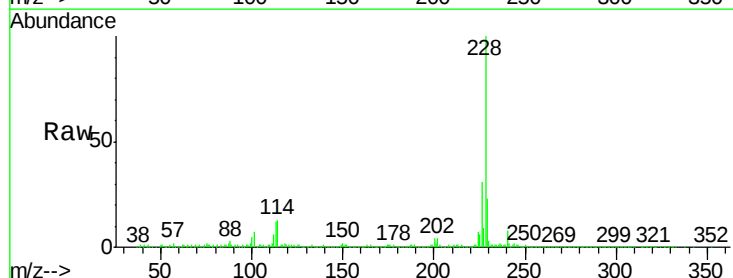
Tgt Ion:228 Resp: 1928445

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

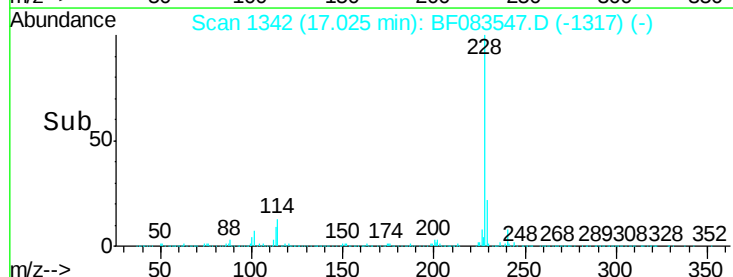
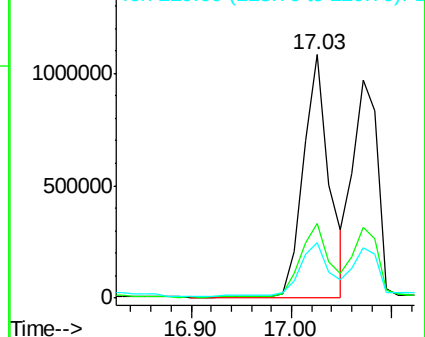
229 23.0 15.7 23.5

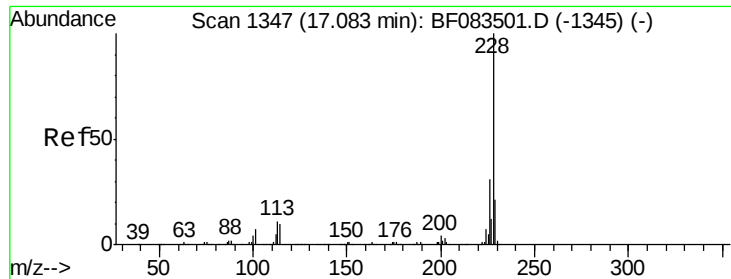


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 98.47 ng

RT: 17.07 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

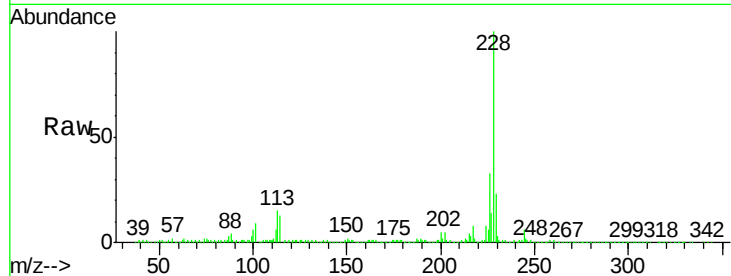
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 1629498

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.7	37.1
229	23.3	16.3	24.5

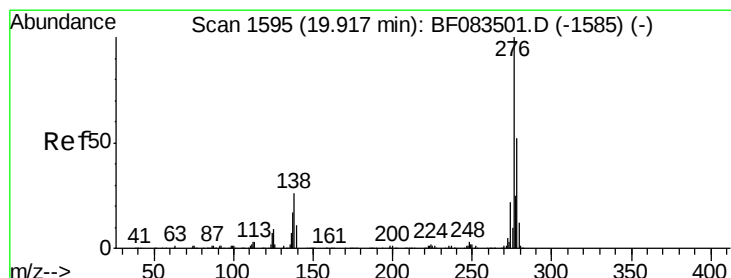
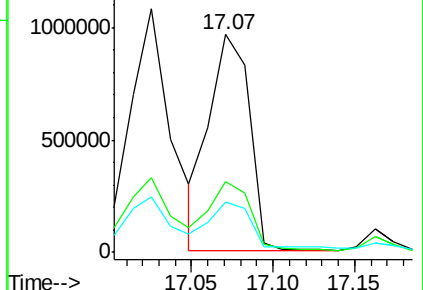
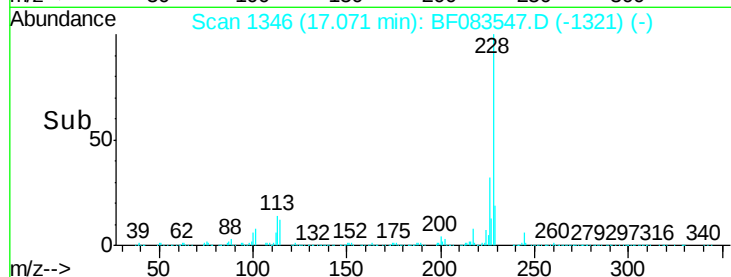


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 60.18 ng

RT: 19.92 min Scan# 1595

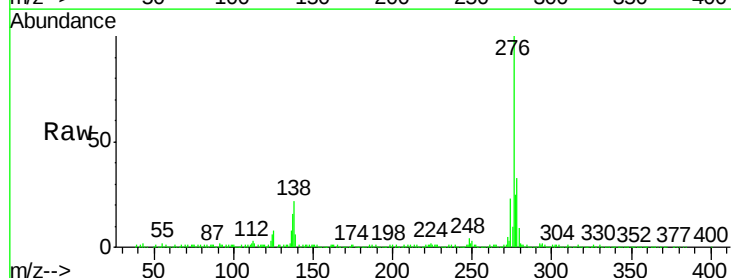
Delta R.T. 0.00 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Tgt Ion:276 Resp: 853654

Ion	Ratio	Lower	Upper
276	100		
138	23.1	0.0	0.0#
277	24.3	0.0	0.0#

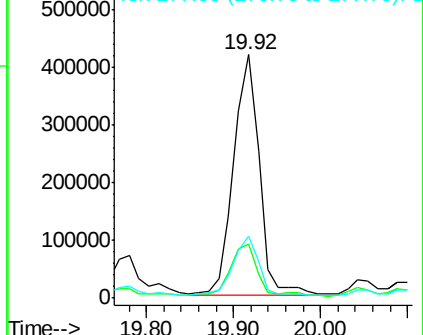
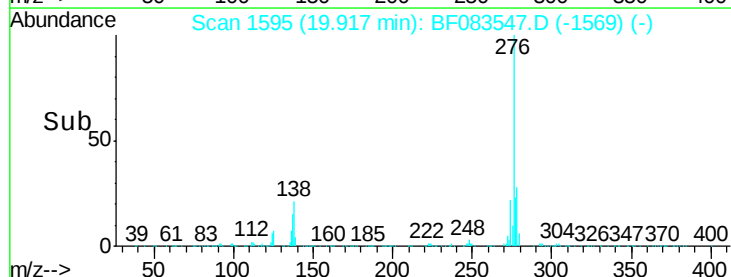


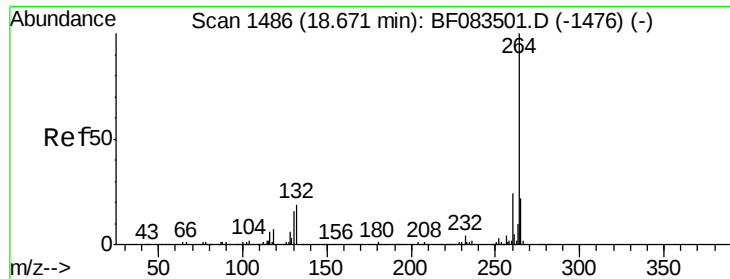
Abundance

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

Pervlene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

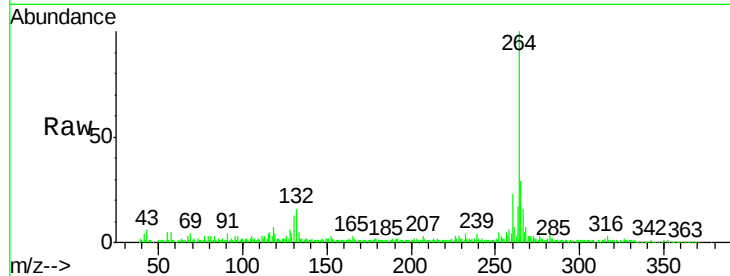
Tot Ion:264 Resp: 249388

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

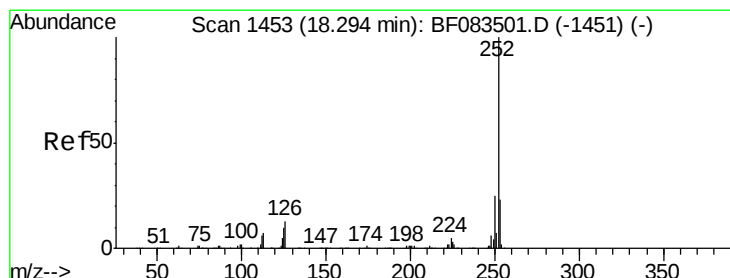
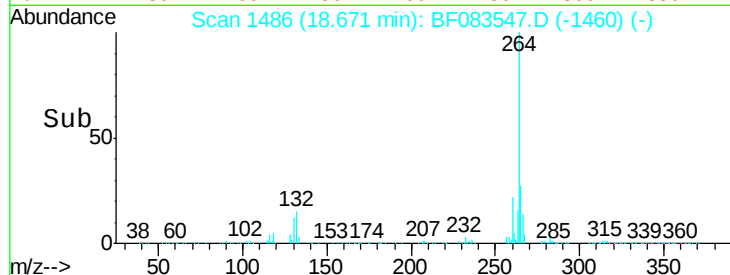
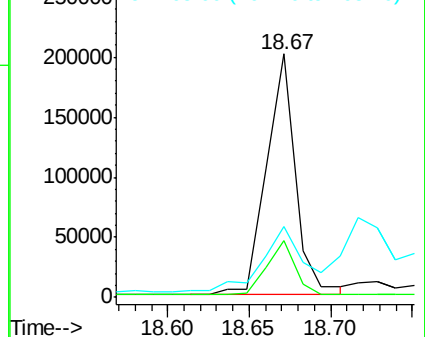
265 29.0 17.8 26.6#



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: 164.07 ng

RT: 18.29 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

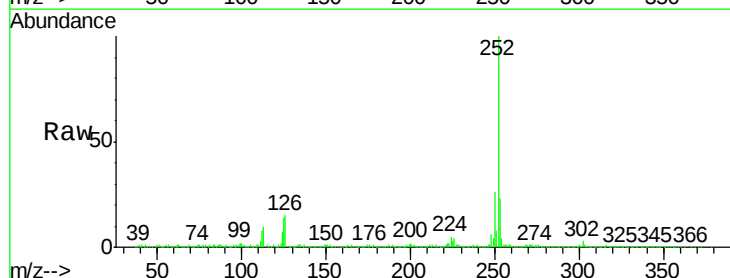
Tgt Ion:252 Resp: 2297921

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.4

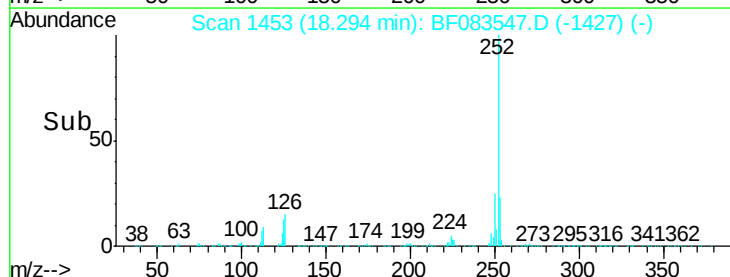
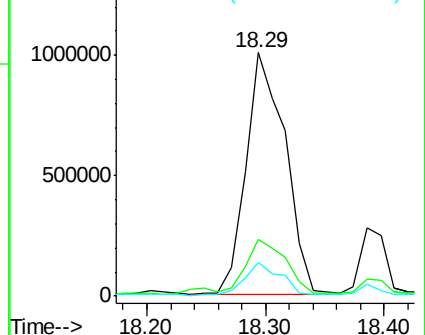
125 13.6 8.2 12.4#

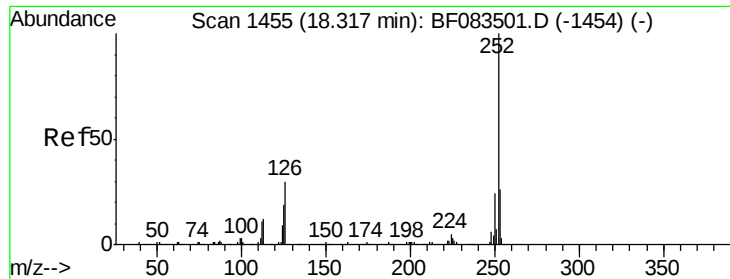


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

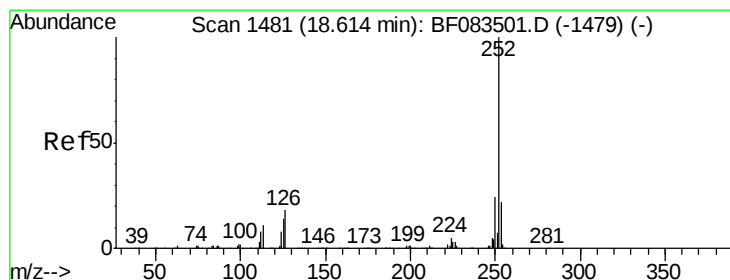
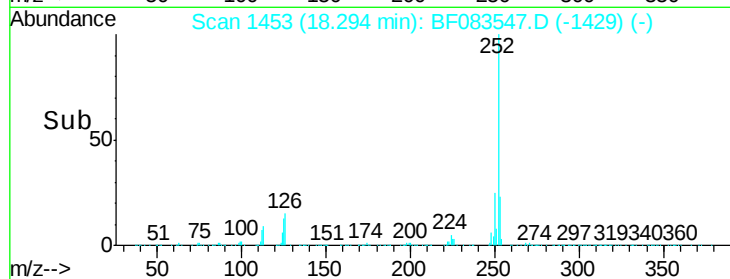
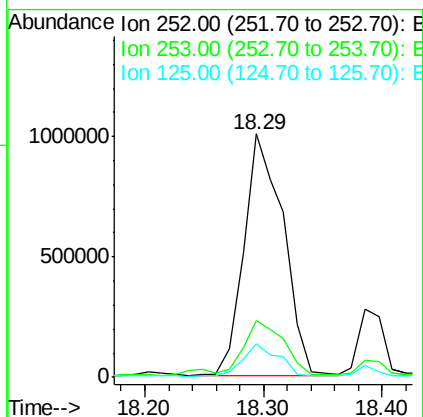
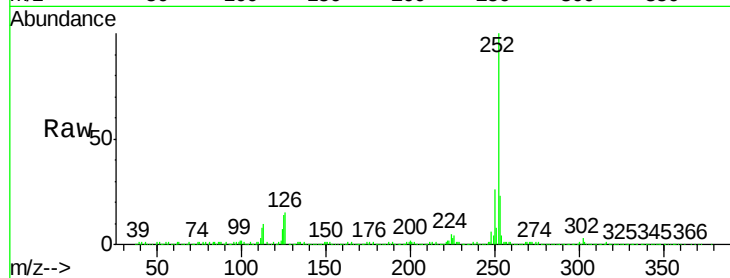




#88
Benzo(k)fluoranthene
Concen: 160.16 ng
RT: 18.29 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

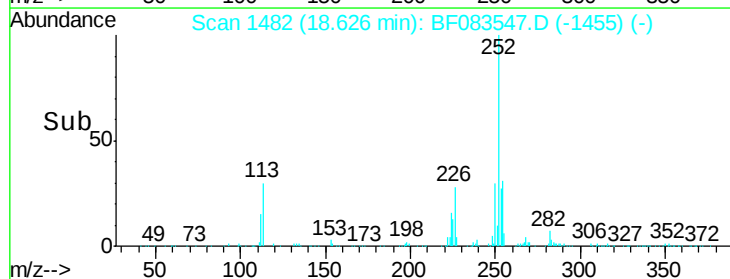
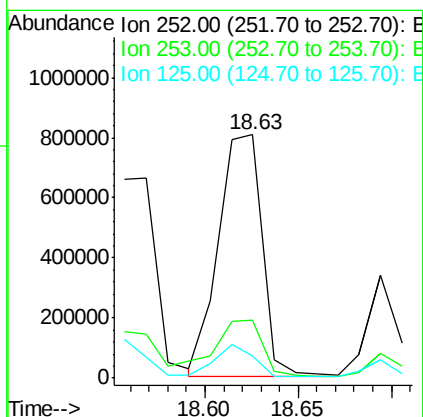
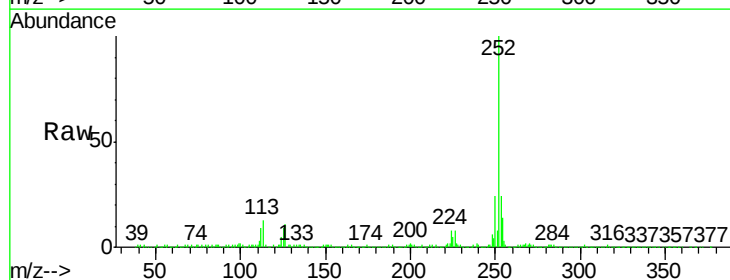
Instrument :
BNA_F
ClientSampled :

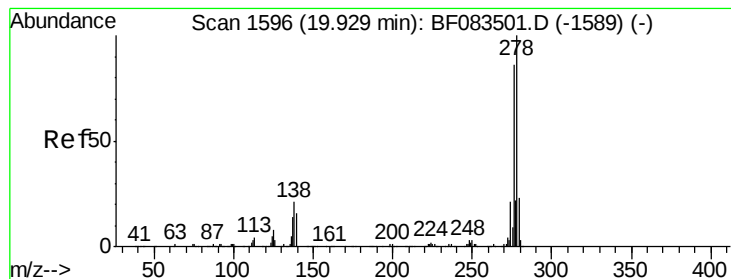
Tot Ion:252 Resp: 2297921
Ion Ratio Lower Upper
252 100
253 23.3 18.6 27.8
125 13.6 11.5 17.3



#89
Benzo(a)pyrene
Concen: 96.55 ng
RT: 18.63 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF083547.D
Acq: 7 Dec 2015 7:18

Tgt Ion:252 Resp: 1315316
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 9.2 11.0 16.6#





#90

Dibenzo(a,h)anthracene

Concen: 18.53 ng

RT: 19.92 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

Instrument :

BNA_F

ClientSampleId :

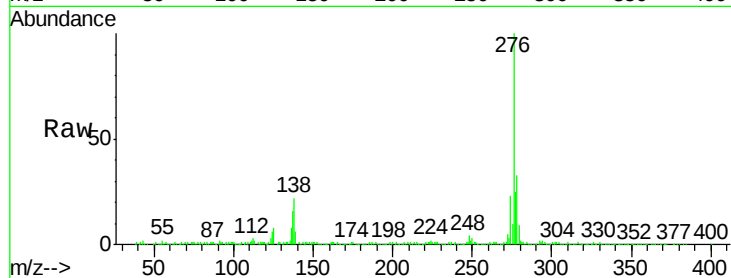
Tot Ion:278 Resp: 242847

Ion Ratio Lower Upper

278 100

139 17.7 12.8 19.2

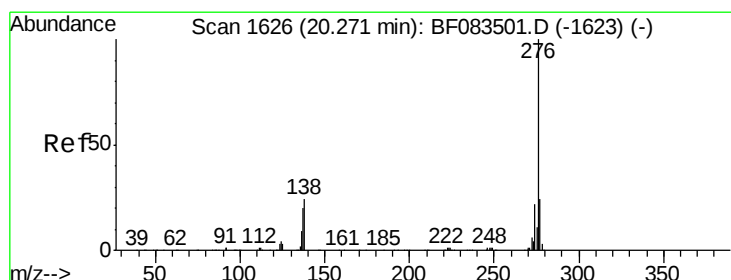
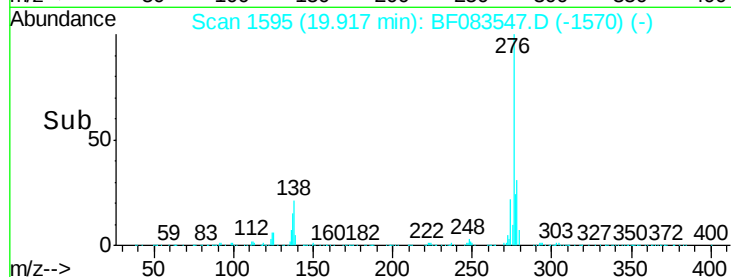
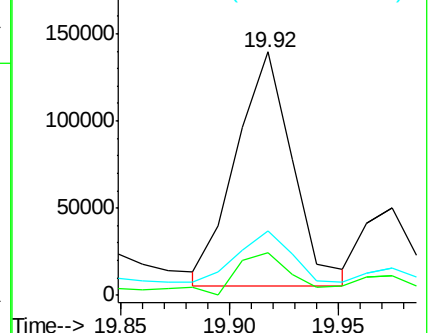
279 26.5 18.6 28.0



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: 62.86 ng

RT: 20.28 min Scan# 1627

Delta R.T. 0.01 min

Lab File: BF083547.D

Acq: 7 Dec 2015 7:18

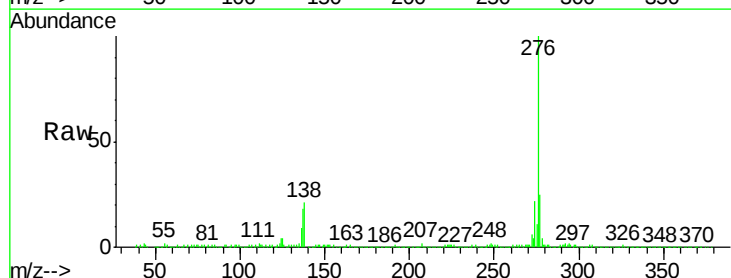
Tgt Ion:276 Resp: 830269

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 20.9 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

