

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083107.D
 Acq On : 21 Nov 2015 6:28
 Operator : UM/IZ
 Sample : G4412-08DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 02:40:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

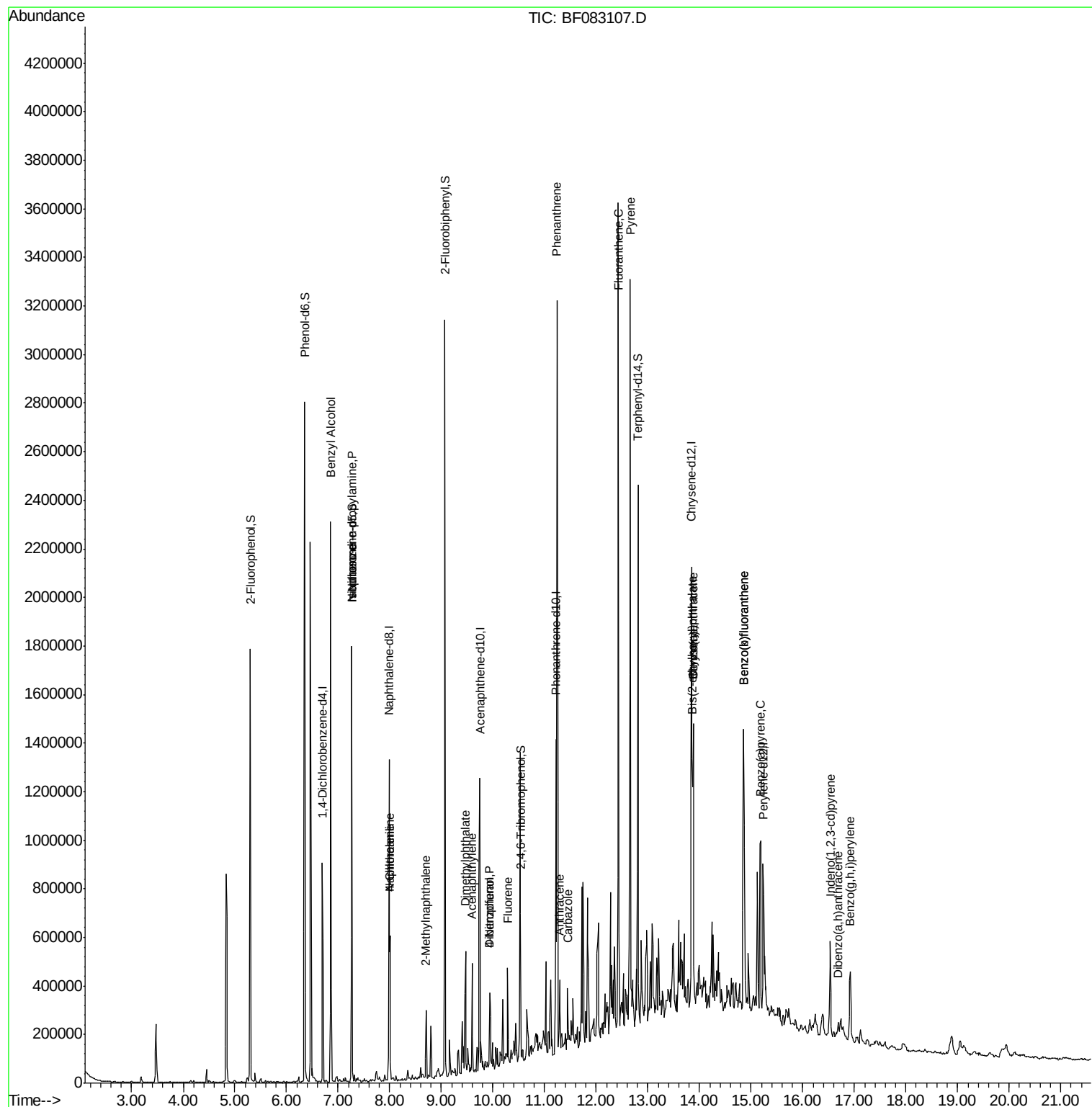
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	167433	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	610831	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	295540	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	476785	20.00	ng	0.00
75) Chrysene-d12	13.85	240	385683	20.00	ng	-0.01
86) Perylene-d12	15.23	264	340167	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	694121	64.39	ng	0.01
7) Phenol-d6	6.35	99	870043	61.28	ng	0.00
23) Nitrobenzene-d5	7.26	82	605785	45.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	135915	43.31	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	924397	42.13	ng	-0.01
78) Terphenyl-d14	12.81	244	641581	39.27	ng	0.00
Target Compounds						
9) Benzaldehyde	6.24	77	4876	Below Cal		Qvalue 93
15) Benzyl Alcohol	6.85	79	40349	3.45 ng	#	83
19) n-Nitroso-di-n-propylamine	7.26	70	80114	7.72 ng	#	73
25) Isophorone	7.26	82	458840	18.23 ng	#	69
31) Naphthalene	8.01	128	232995	7.32 ng		99
33) 4-Chloroaniline	8.01	127	30672	2.22 ng	#	29
37) 2-Methylnaphthalene	8.70	142	76914	3.63 ng		94
48) Acenaphthylene	9.60	152	189801	5.83 ng		99
49) Dimethylphthalate	9.47	163	240515	9.89 ng		97
54) Dibenzofuran	9.94	168	123486	4.48 ng		99
55) 4-Nitrophenol	9.94	139	46267	11.27 ng	#	10
57) Fluorene	10.28	166	113117	5.10 ng		99
70) Phenanthrene	11.24	178	1261920	43.87 ng		98
71) Anthracene	11.29	178	133073	4.59 ng		98
72) Carbazole	11.45	167	102139	4.03 ng		99
74) Fluoranthene	12.43	202	1282953	42.79 ng		99
77) Pyrene	12.66	202	1352992	49.83 ng		99
80) Benzo(a)anthracene	13.88	228	591550	24.13 ng		96
82) Chrysene	13.88	228	589828	26.24 ng		98
83) Bis(2-ethylhexyl)phthalate	13.86	149	34314	2.19 ng	#	95
85) Indeno(1,2,3-cd)pyrene	16.53	276	246002	13.45 ng		98
87) Benzo(b)fluoranthene	14.85	252	844812	35.52 ng		99
88) Benzo(k)fluoranthene	14.85	252	844812	46.63 ng	#	97
89) Benzo(a)pyrene	15.19	252	423092	22.17 ng		98
90) Dibenzo(a,h)anthracene	16.68	278	45406	2.73 ng		96
91) Benzo(g,h,i)perylene	16.92	276	225166	13.90 ng		98

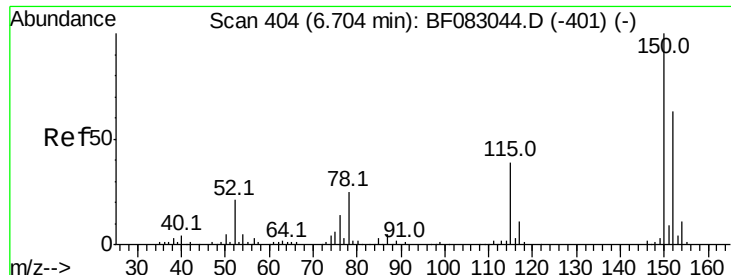
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_F
ClientSampled :

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QLast Update : Fri Nov 20 01:33:39 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

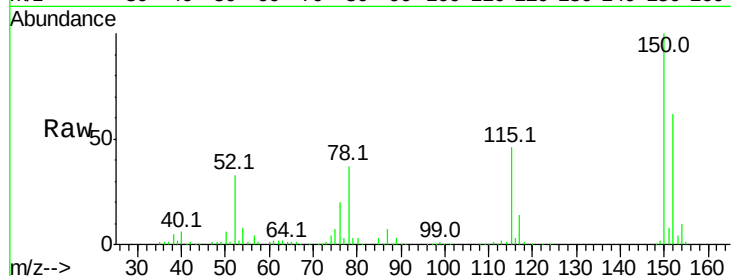
Tot Ion:152 Resp: 167433

Ion Ratio Lower Upper

152 100

150 160.6 126.4 189.6

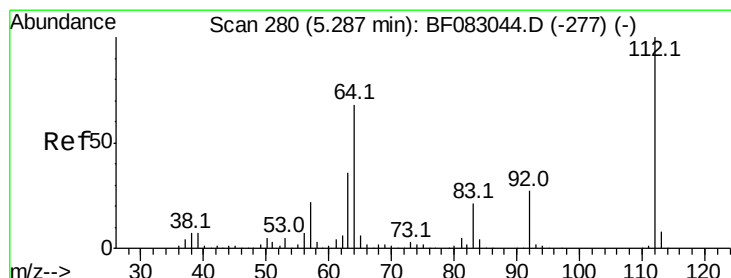
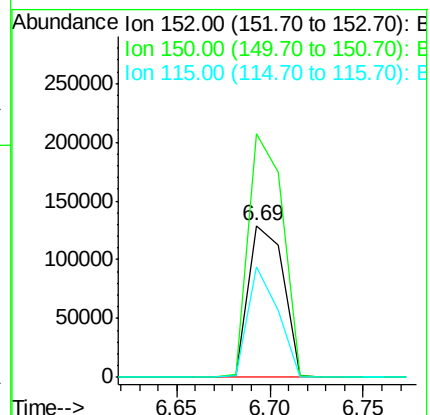
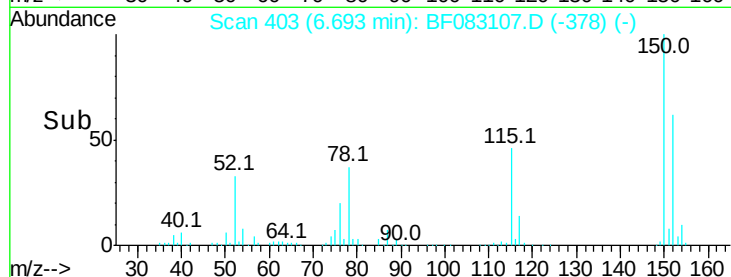
115 73.2 49.0 73.6



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: 64.39 ng

RT: 5.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

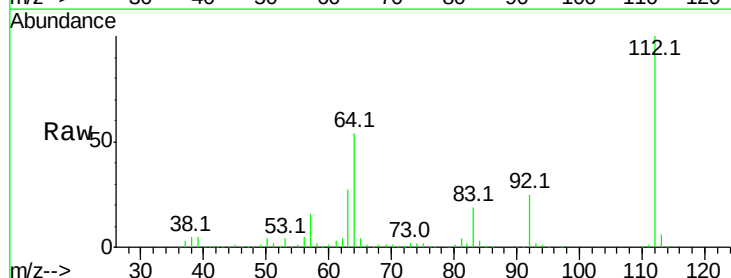
Tgt Ion:112 Resp: 694121

Ion Ratio Lower Upper

112 100

64 53.7 54.8 82.2#

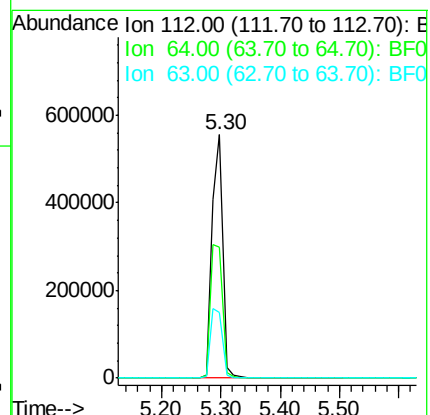
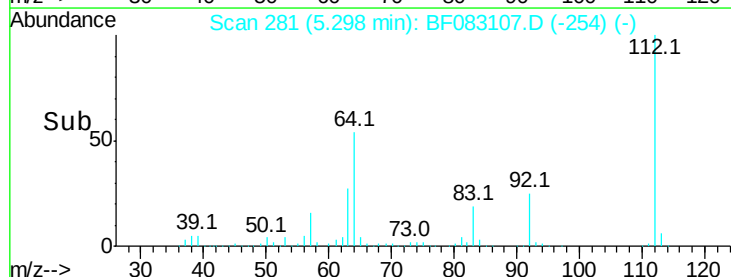
63 27.0 29.0 43.4#

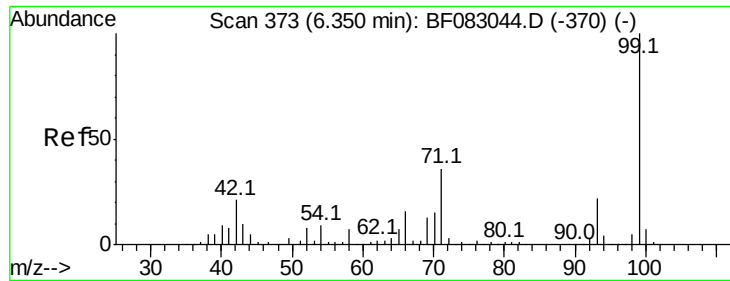


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 61.28 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

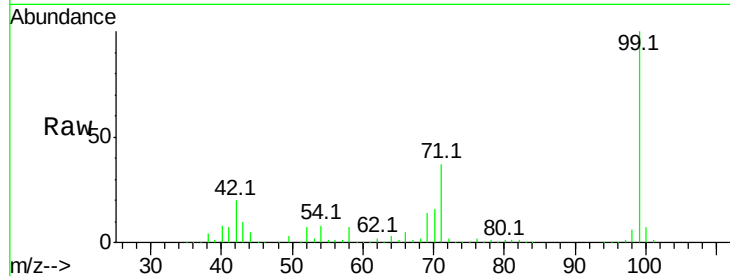
Tot Ion: 99 Resp: 870043

Ion Ratio Lower Upper

99 100

42 20.3 16.6 25.0

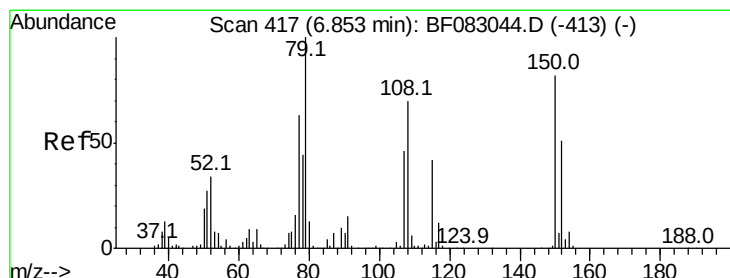
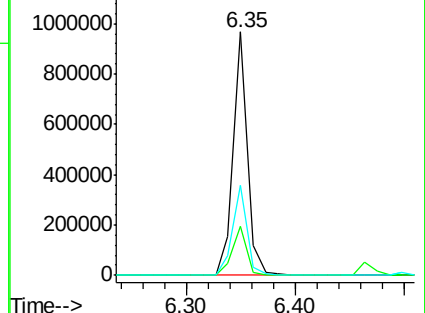
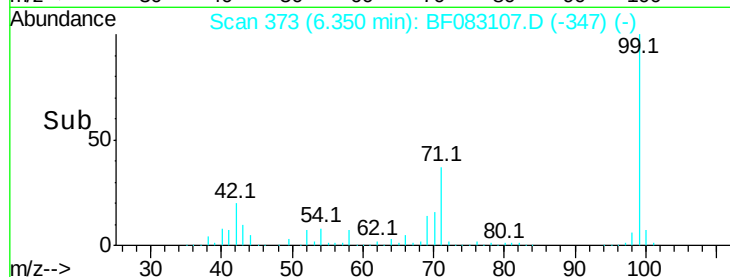
71 36.9 29.2 43.8



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



#15

Benzyl Alcohol

Concen: 3.45 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

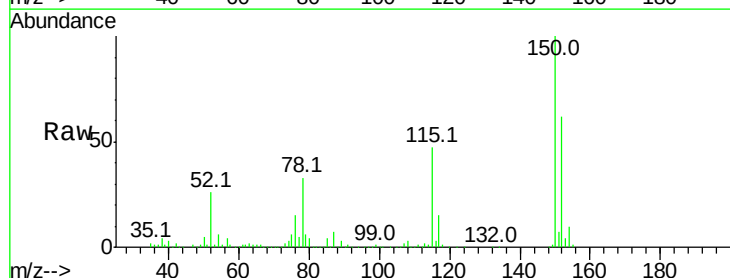
Tgt Ion: 79 Resp: 40349

Ion Ratio Lower Upper

79 100

108 57.4 55.7 83.5

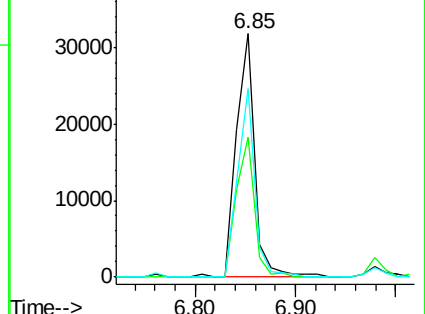
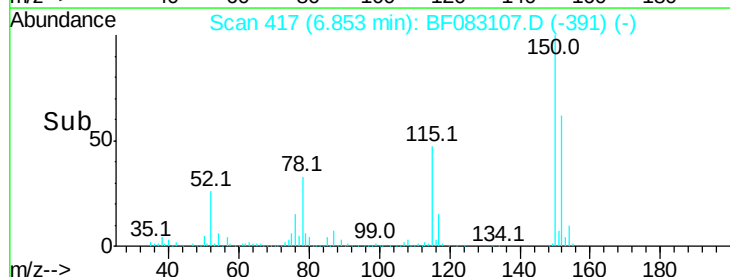
77 77.7 50.7 76.1#

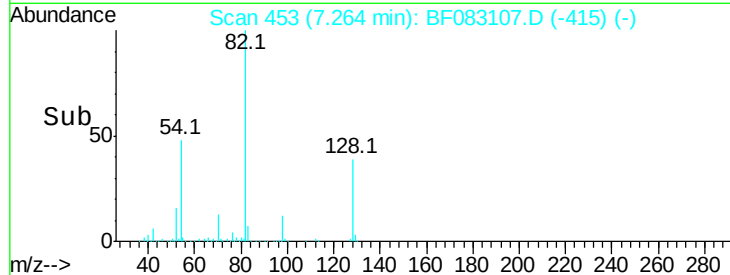
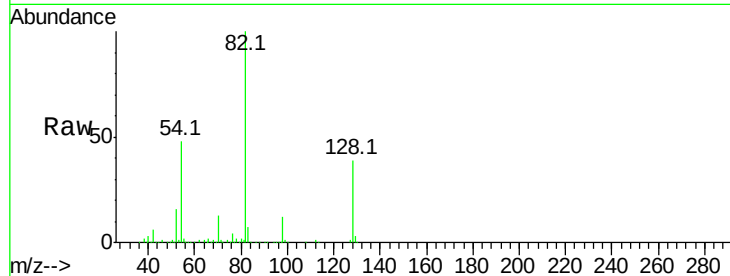
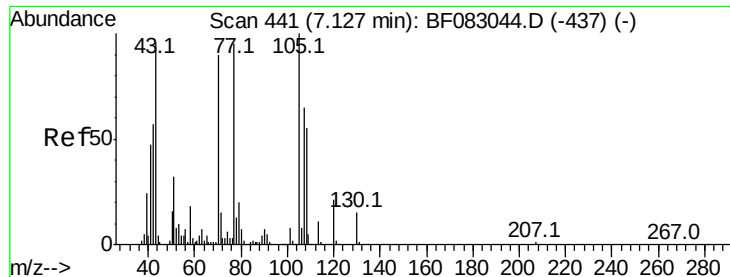


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

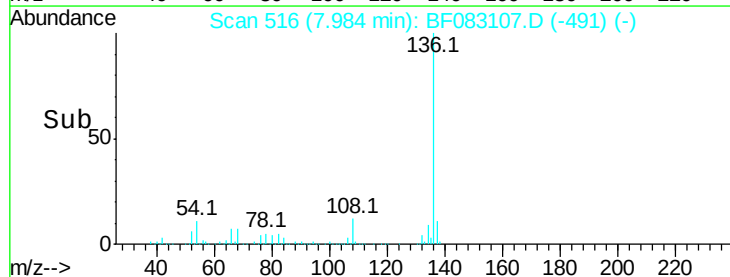
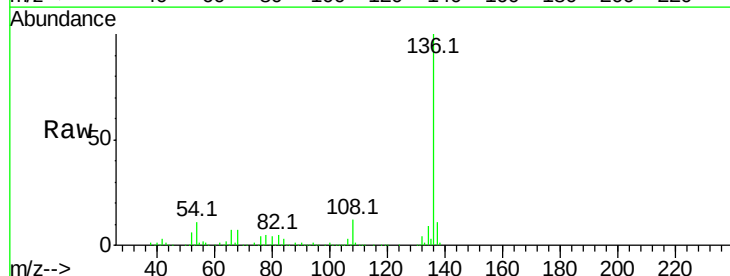
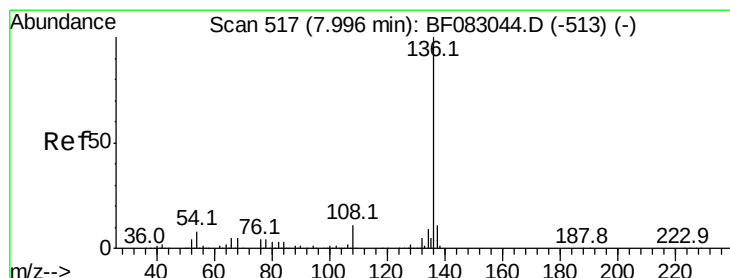
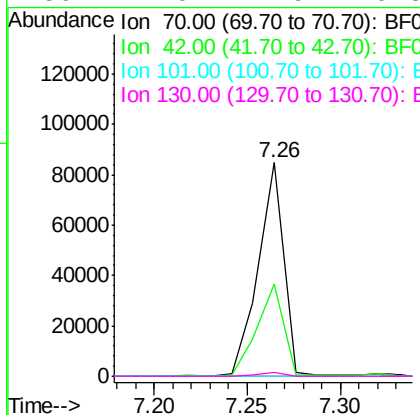




#19
n-Nitroso-di-n-propylamine
Concen: 7.72 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.14 min
Lab File: BF083107.D
Acq: 21 Nov 2015 6:28

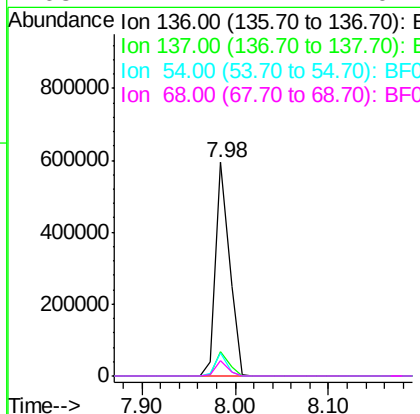
Instrument :
BNA_F
ClientSampleId :

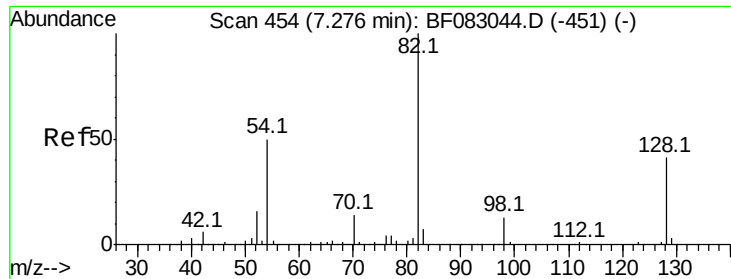
Tot Ion: 70 Resp: 80114
Ion Ratio Lower Upper
70 100
42 43.1 50.2 75.2#
101 0.0 6.8 10.2#
130 2.0 12.9 19.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.01 min
Lab File: BF083107.D
Acq: 21 Nov 2015 6:28

Tgt Ion:136 Resp: 610831
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 10.7 6.2 9.2#
68 7.2 4.2 6.2#

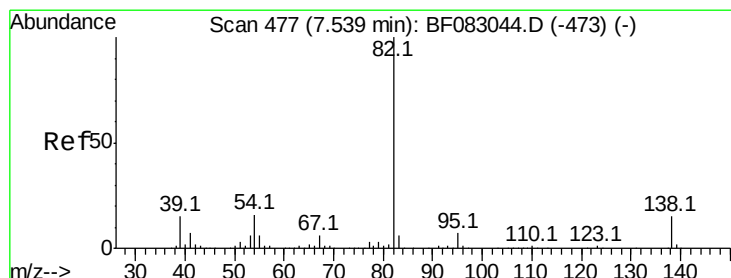
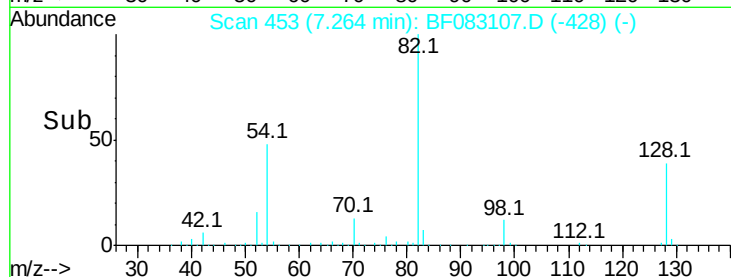
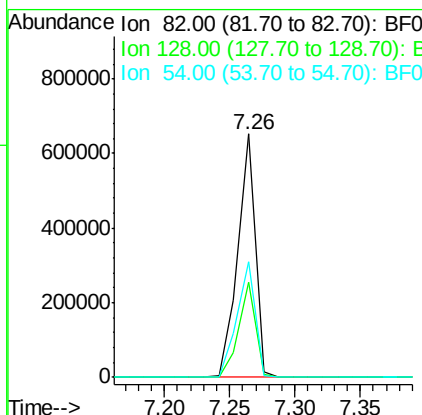
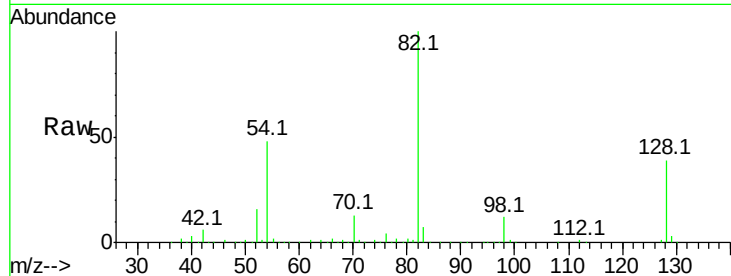




#23
 Nitrobenzene-d5
 Concen: 45.40 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

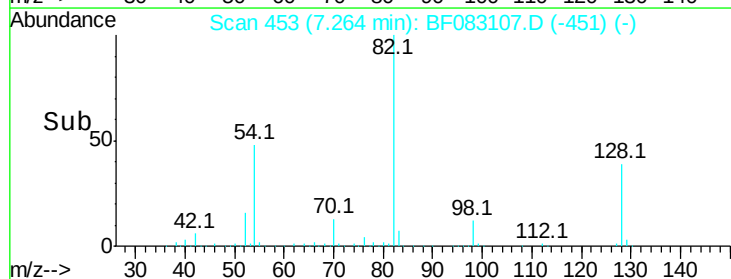
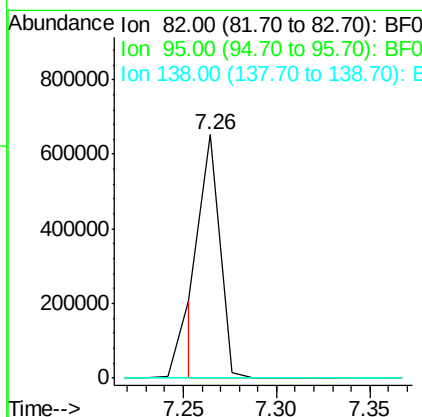
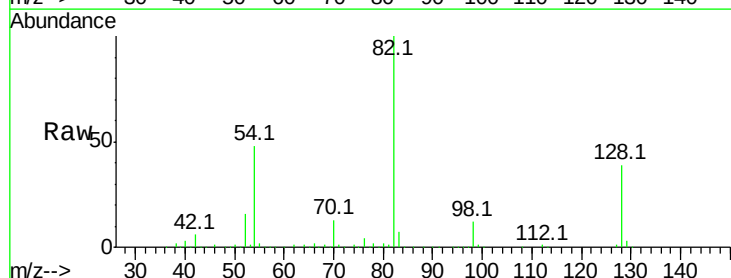
Instrument :
 BNA_F
 ClientSampleId :

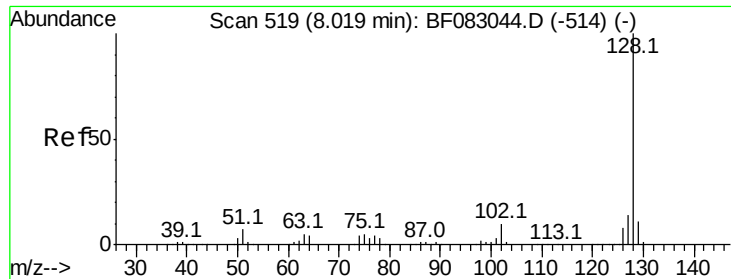
Tot Ion	82	Resp	605785
Ion	Ratio	Lower	Upper
82	100		
128	39.2	33.1	49.7
54	47.7	39.8	59.6



#25
 Isophorone
 Concen: 18.23 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.27 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

Tgt Ion	82	Resp	458840
Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.7	8.5#
138	0.0	12.2	18.4#





#31

Naphthalene

Concen: 7.32 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

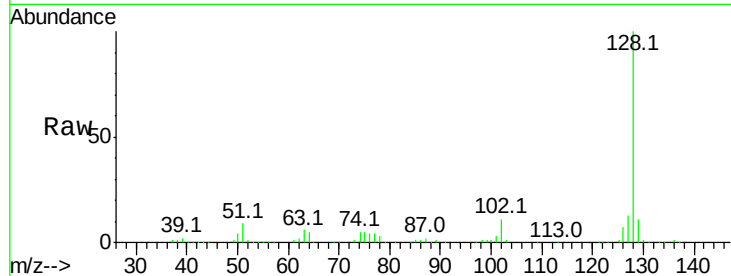
Tot Ion:128 Resp: 232995

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

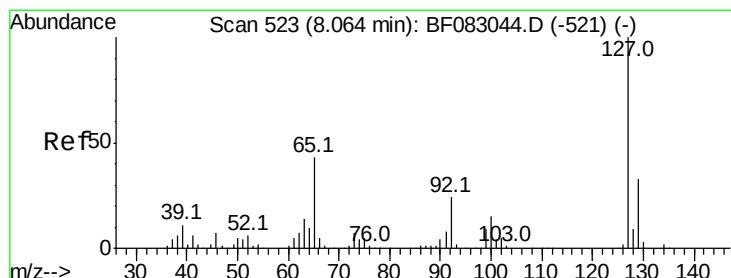
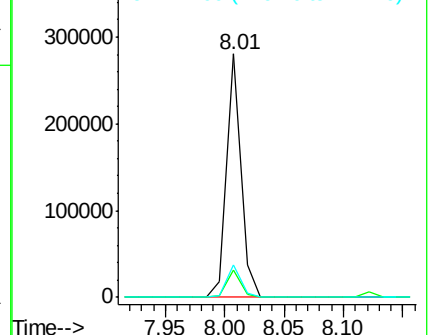
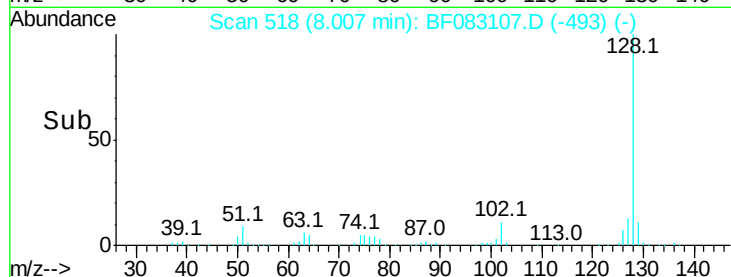
127 13.3 10.9 16.3



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



#33

4-Chloroaniline

Concen: 2.22 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Tgt Ion:127 Resp: 30672

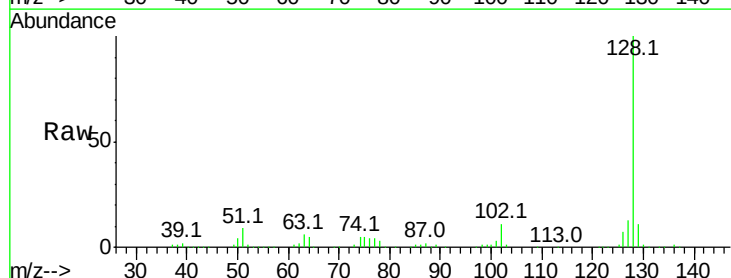
Ion Ratio Lower Upper

127 100

129 86.5 26.1 39.1#

65 2.2 34.4 51.6#

92 0.0 19.5 29.3#

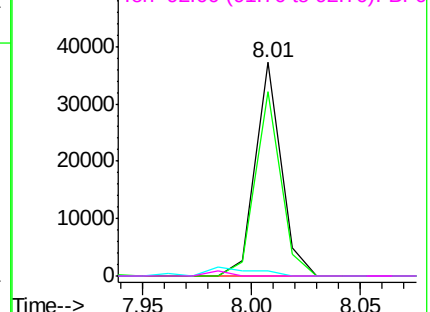
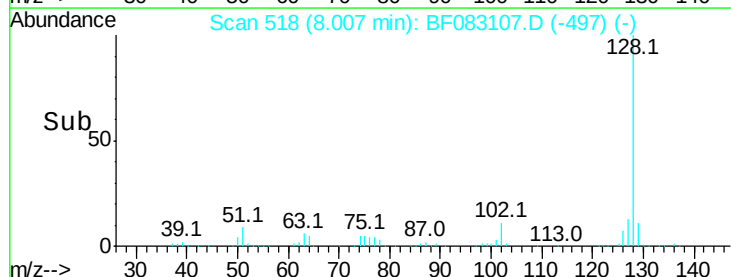


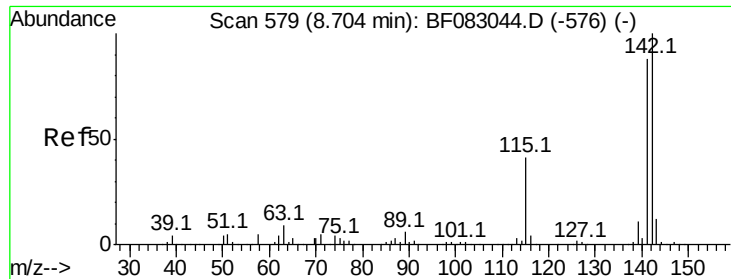
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

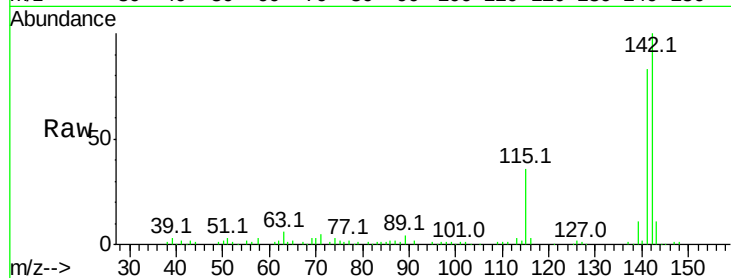




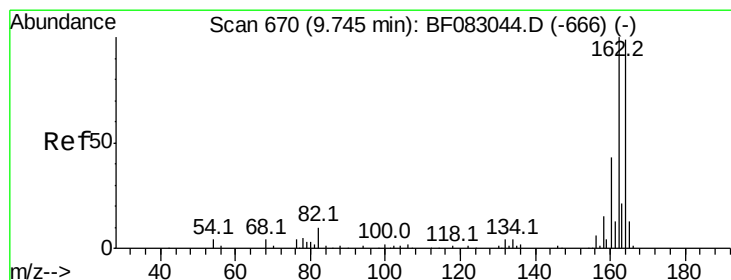
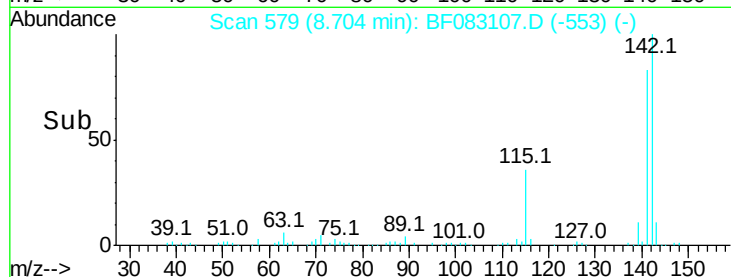
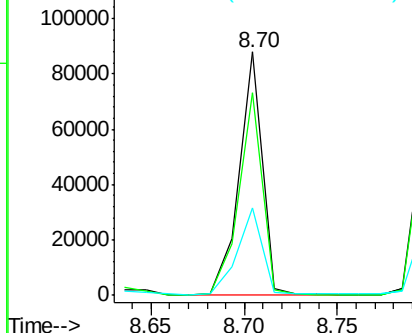
#37
 2-Methylnaphthalene
 Concen: 3.63 ng
 RT: 8.70 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 76914
 Ion Ratio Lower Upper
 142 100
 141 83.2 70.7 106.1
 115 36.1 33.1 49.7

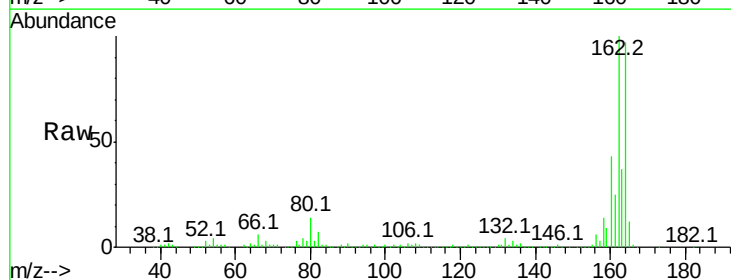


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

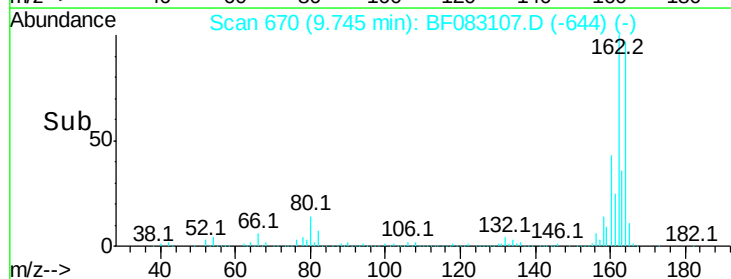
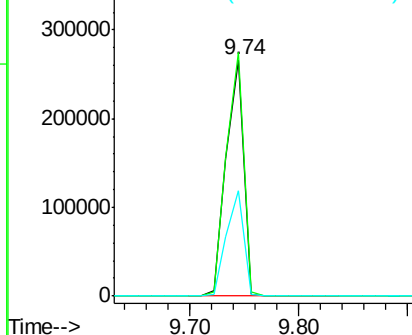


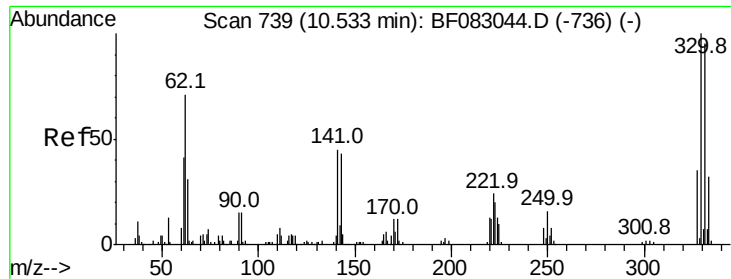
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

Tgt Ion:164 Resp: 295540
 Ion Ratio Lower Upper
 164 100
 162 103.1 80.5 120.7
 160 44.7 35.0 52.4



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

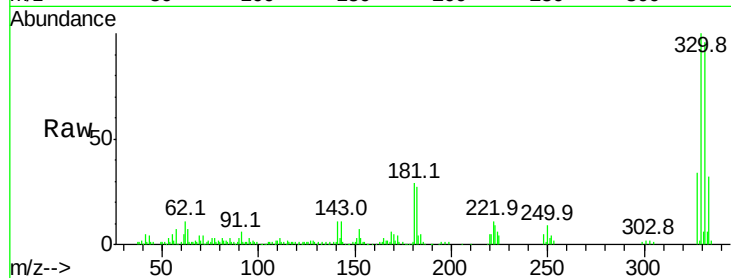




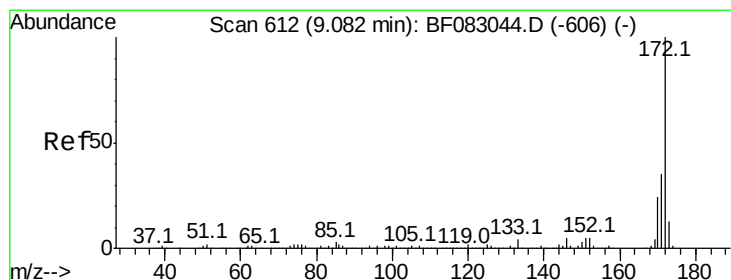
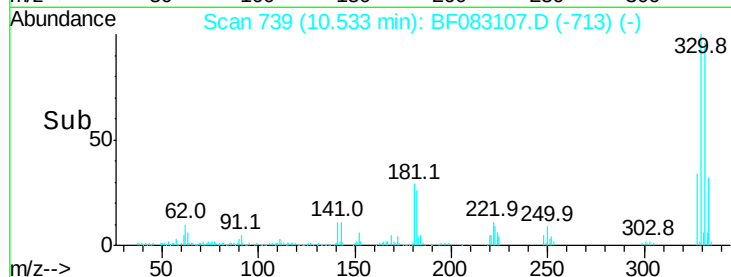
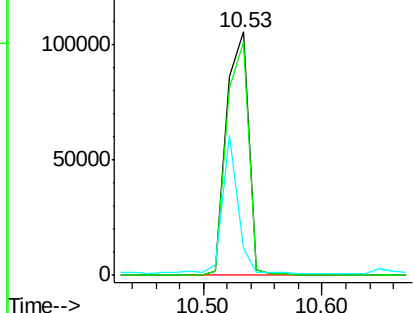
#41
 2,4,6-Tribromophenol
 Concen: 43.31 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.6	116.4
141	41.1	34.6	52.0

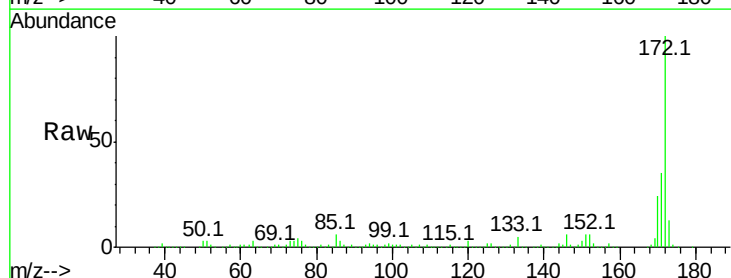


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

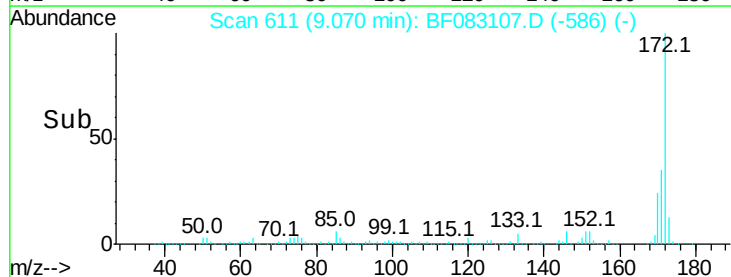
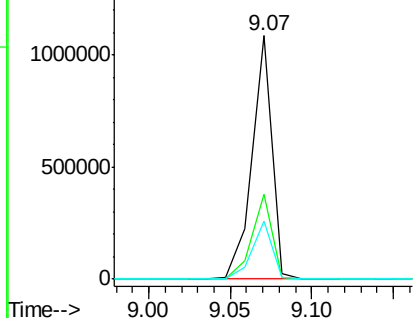


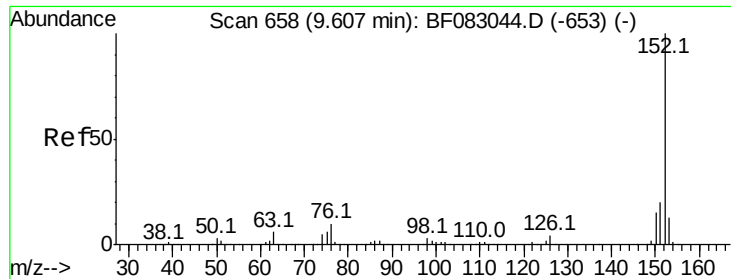
#44
 2-Fluorobiphenyl
 Concen: 42.13 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.9	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: 5.83 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampled :

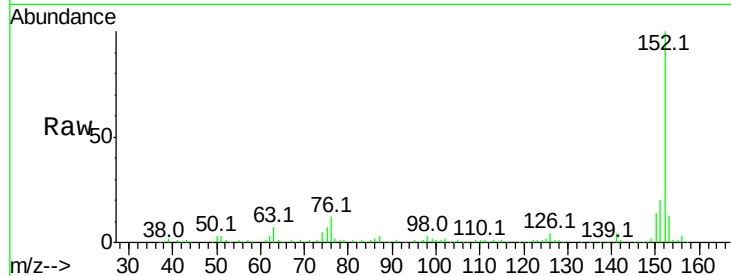
Tot Ion:152 Resp: 189801

Ion Ratio Lower Upper

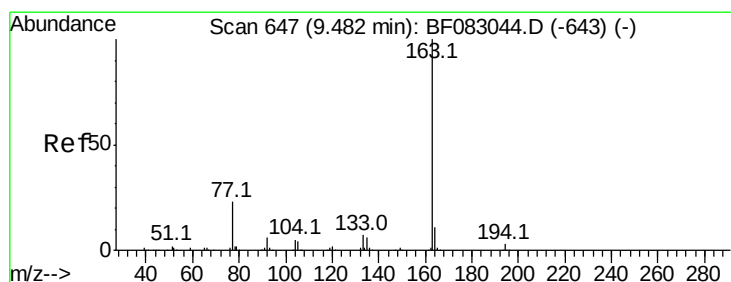
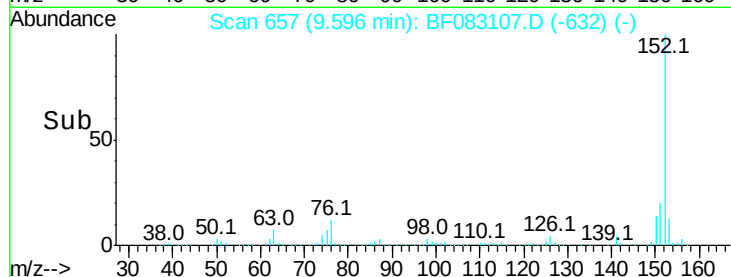
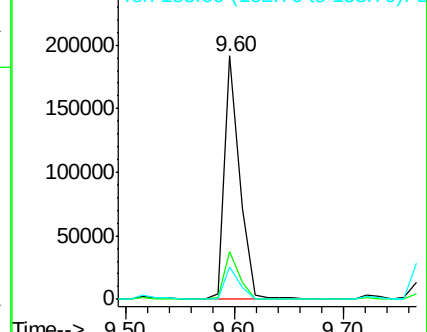
152 100

151 19.5 16.2 24.2

153 13.3 10.6 15.8



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: 9.89 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

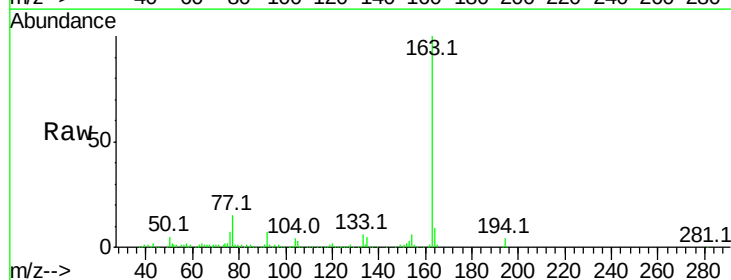
Tgt Ion:163 Resp: 240515

Ion Ratio Lower Upper

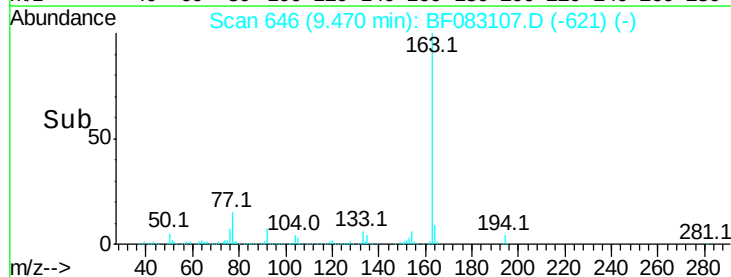
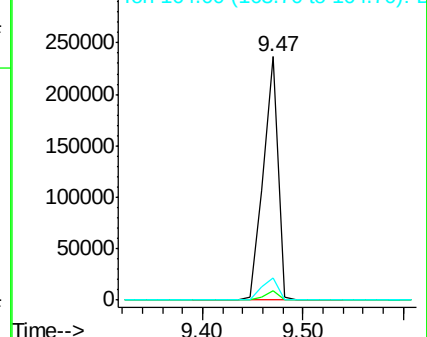
163 100

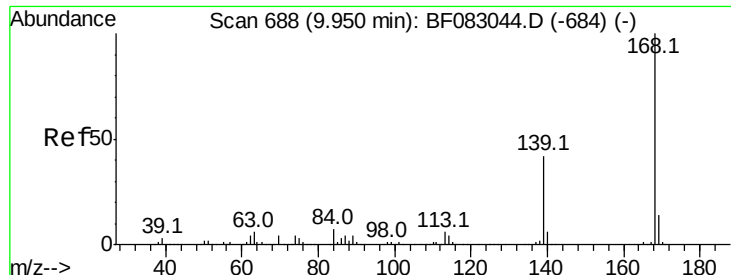
194 3.9 2.7 4.1

164 9.3 8.5 12.7



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





#54

Dibenzofuran

Concen: 4.48 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

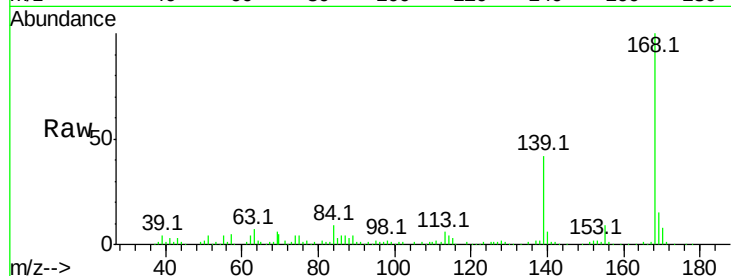
Tot Ion:168 Resp: 123486

Ion Ratio Lower Upper

168 100

139 42.1 33.5 50.3

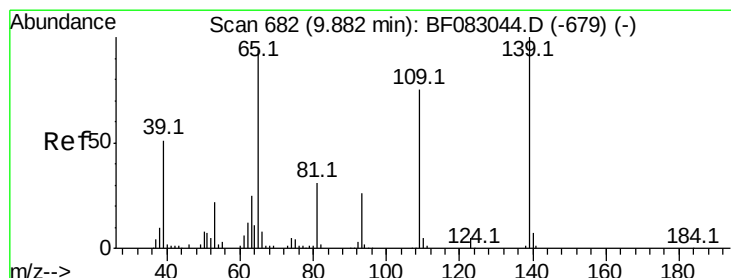
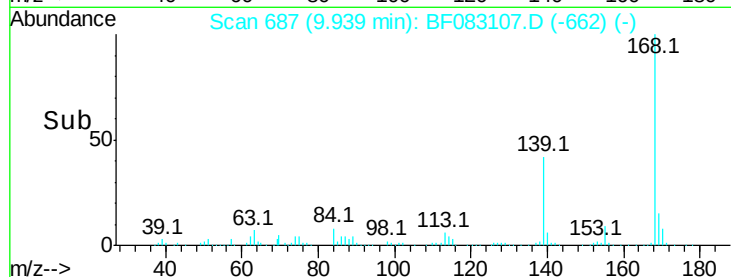
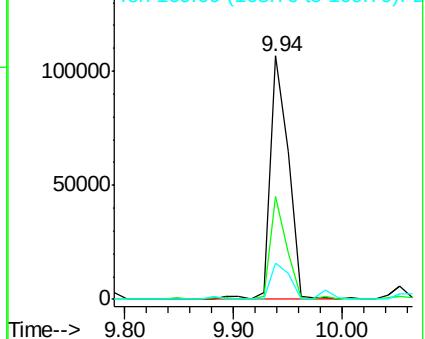
169 15.1 11.2 16.8



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: 11.27 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.06 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

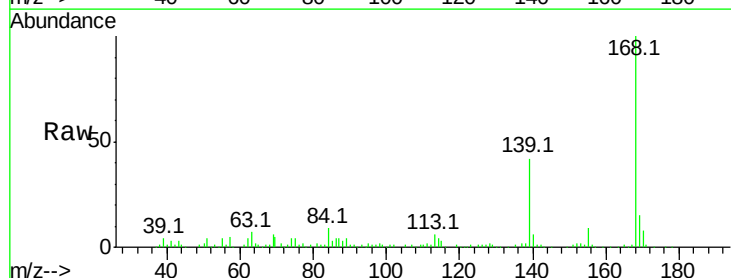
Tgt Ion:139 Resp: 46267

Ion Ratio Lower Upper

139 100

109 3.2 54.6 94.6#

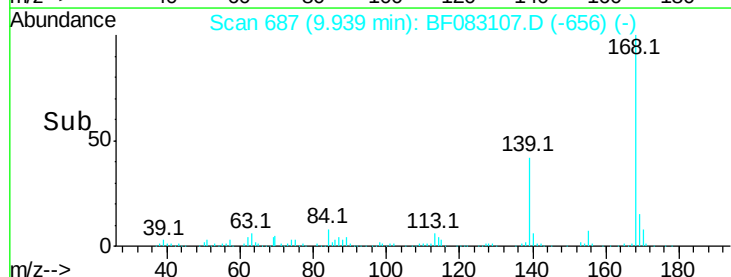
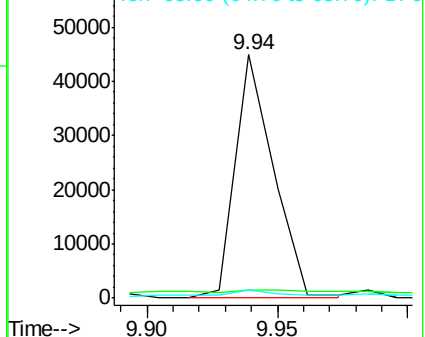
65 3.1 74.4 114.4#

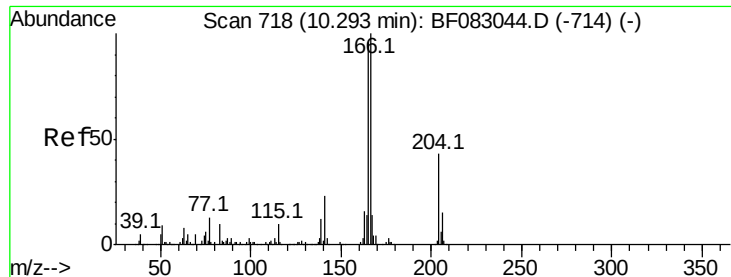


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

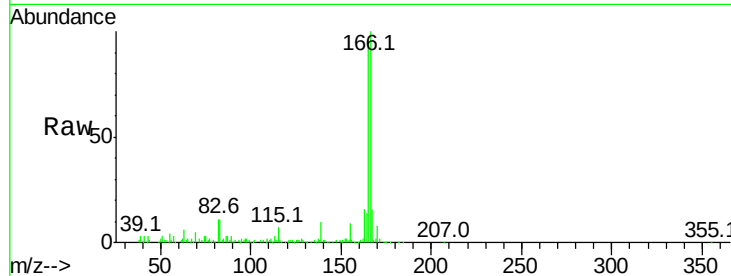




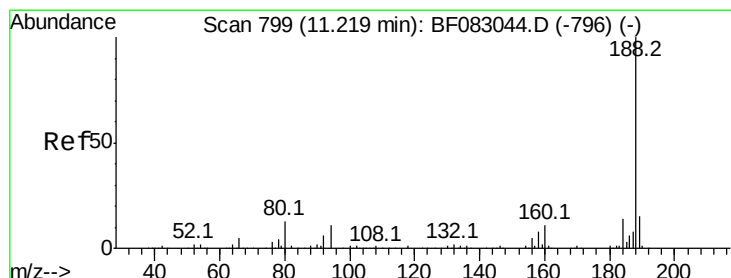
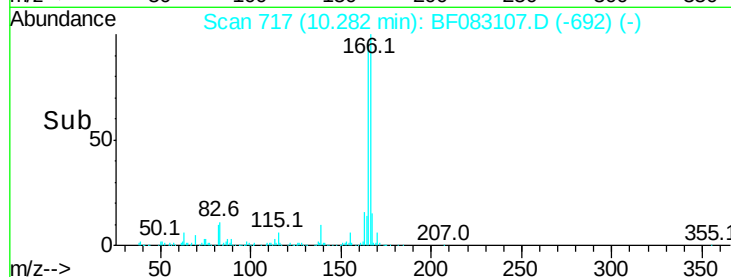
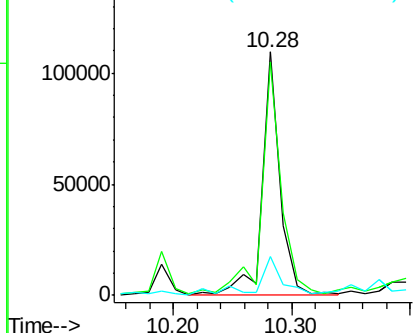
#57
 Fluorene
 Concen: 5.10 ng
 RT: 10.28 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.1	115.7
167	16.0	11.0	16.4

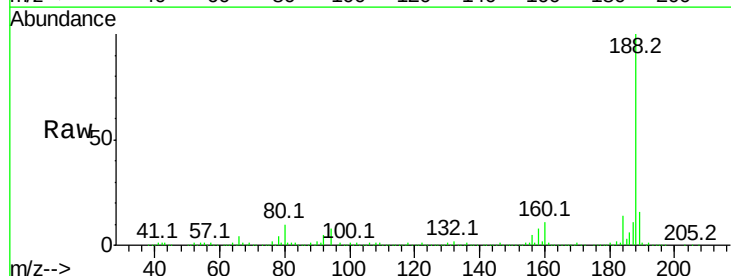


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

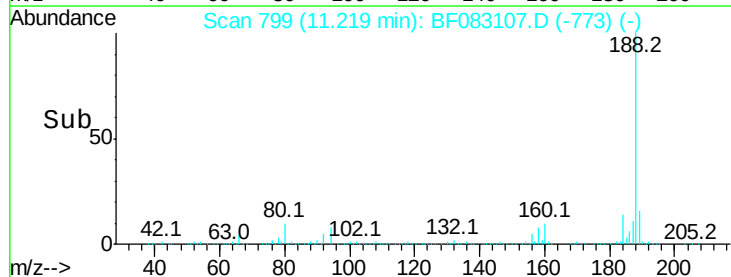
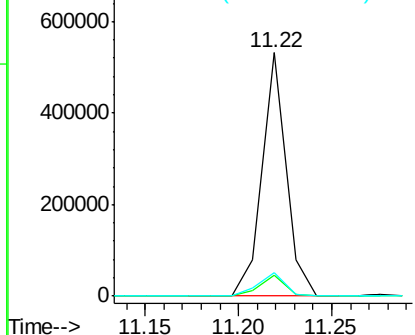


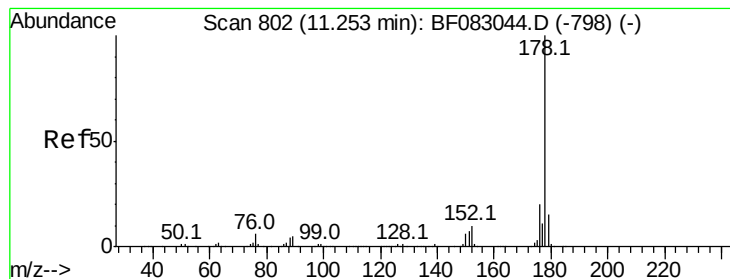
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	9.0	13.4#
80	9.8	10.2	15.4#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 43.87 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

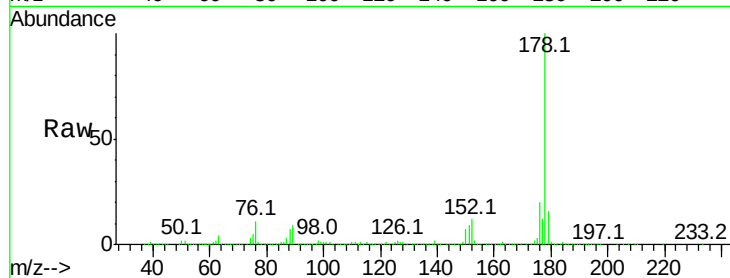
Tot Ion:178 Resp: 1261920

Ion Ratio Lower Upper

178 100

176 20.2 15.6 23.4

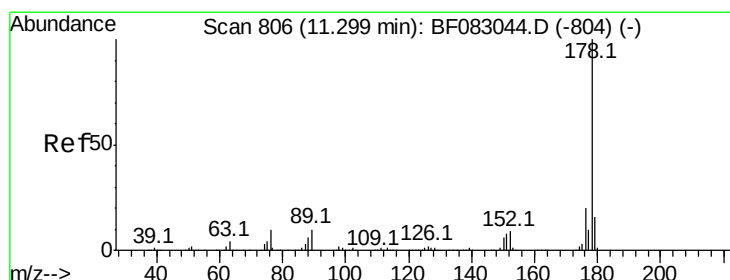
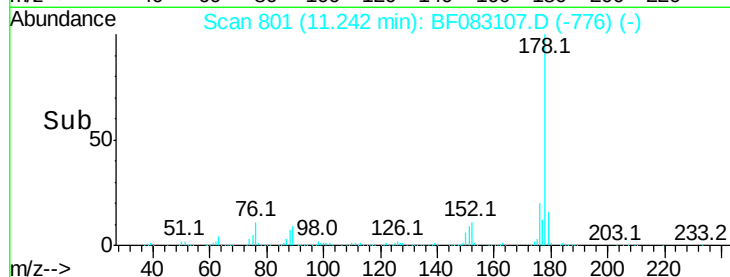
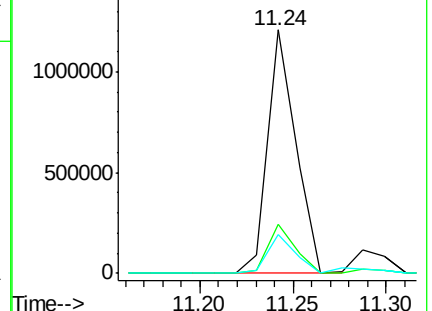
179 16.1 12.3 18.5



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: 4.59 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

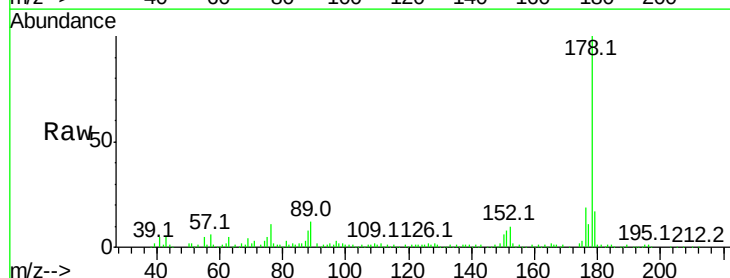
Tgt Ion:178 Resp: 133073

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.6

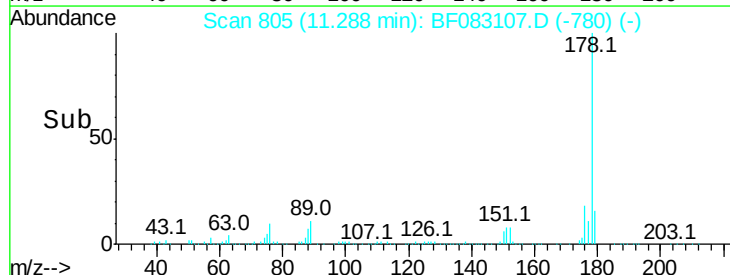
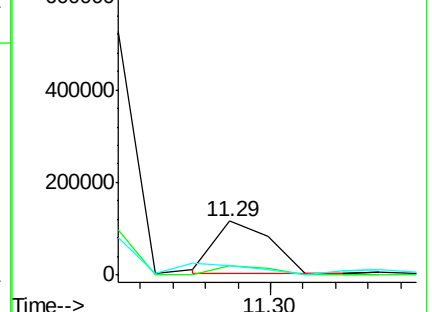
179 17.1 13.1 19.7

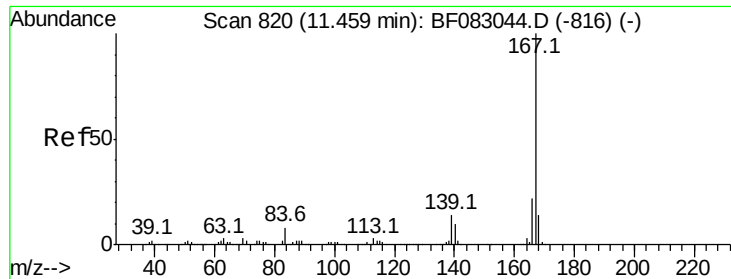


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.03 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

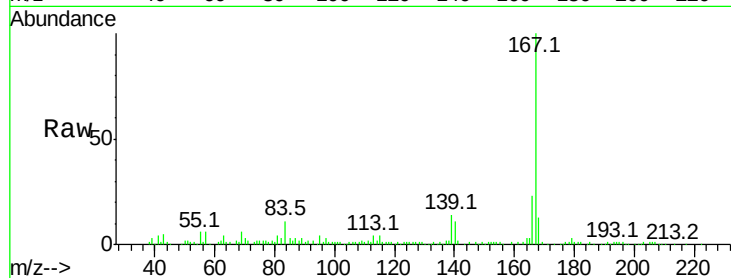
Tot Ion:167 Resp: 102139

Ion Ratio Lower Upper

167 100

166 23.2 17.8 26.6

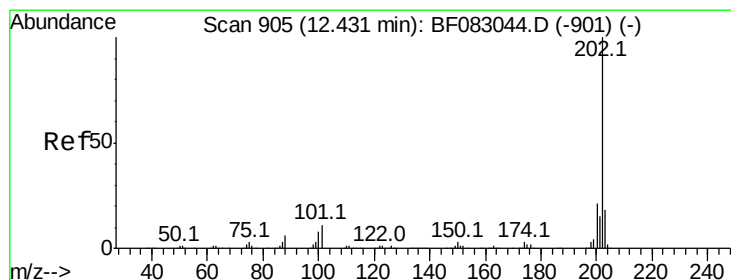
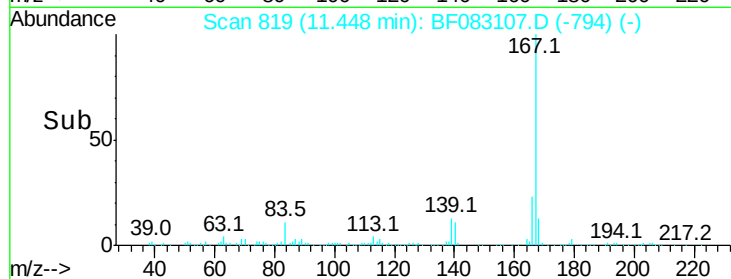
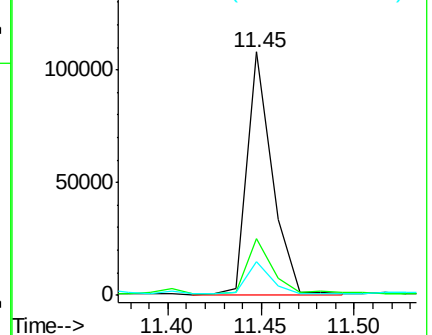
139 13.7 11.0 16.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 42.79 ng

RT: 12.43 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

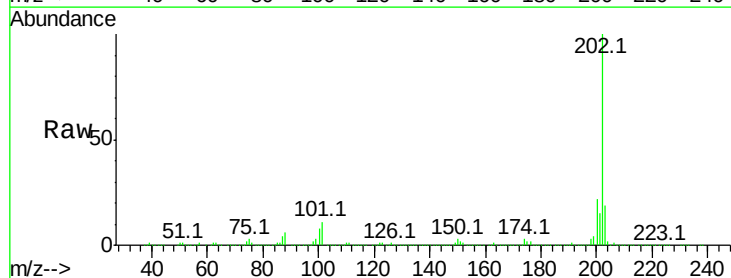
Tgt Ion:202 Resp: 1282953

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.1

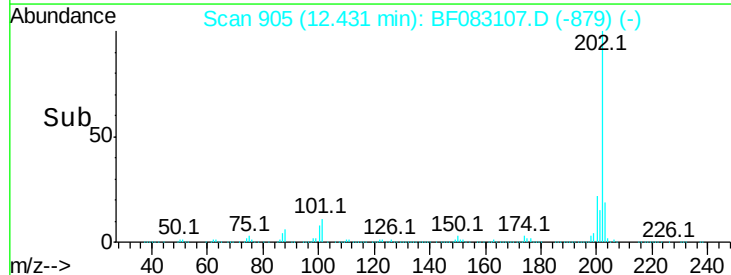
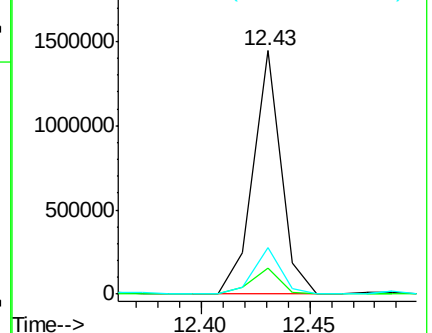
203 18.8 0.0 38.4

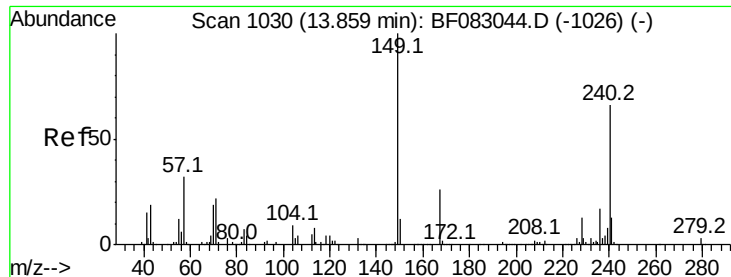


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

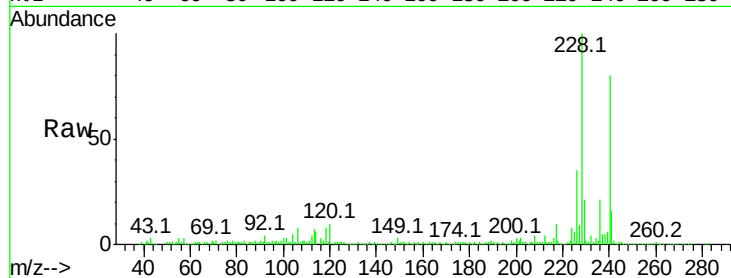
Tot Ion:240 Resp: 385683

Ion Ratio Lower Upper

240 100

120 12.6 5.3 7.9#

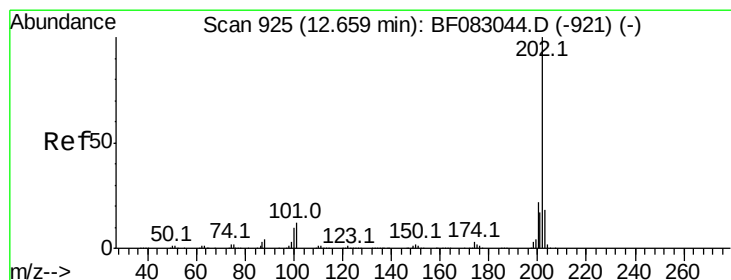
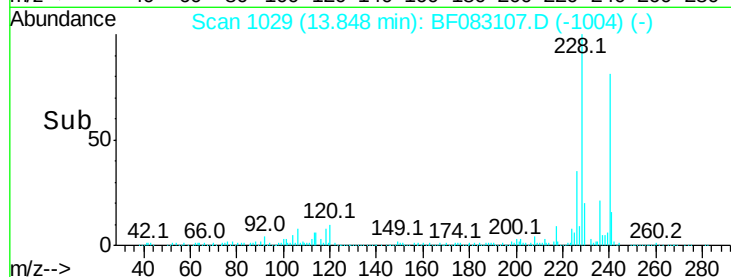
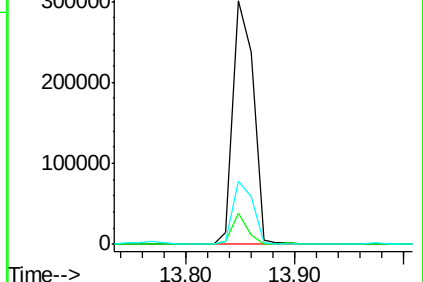
236 26.0 20.4 30.6



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: 49.83 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

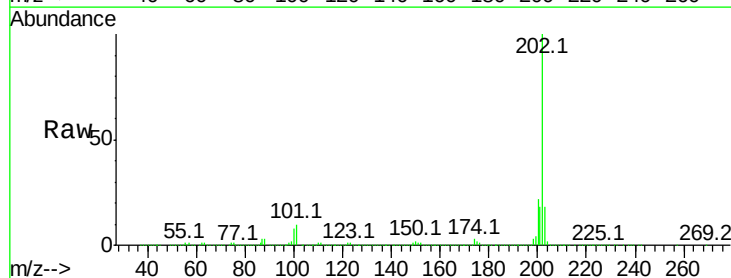
Tgt Ion:202 Resp: 1352992

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

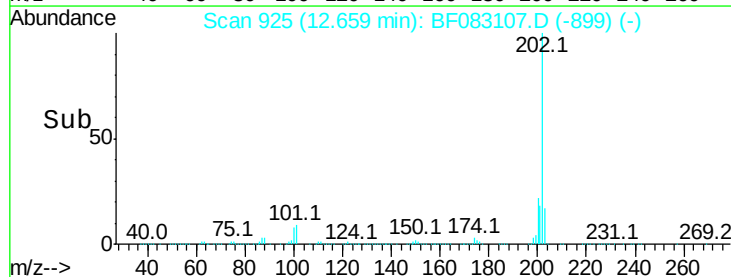
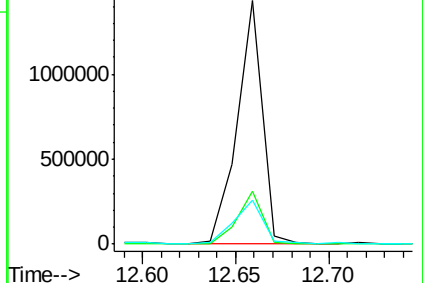
203 17.8 14.6 22.0

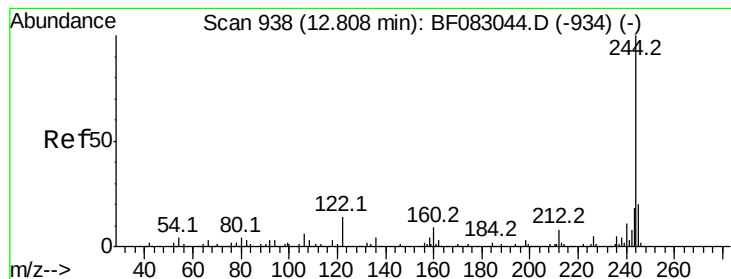


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 39.27 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampled :

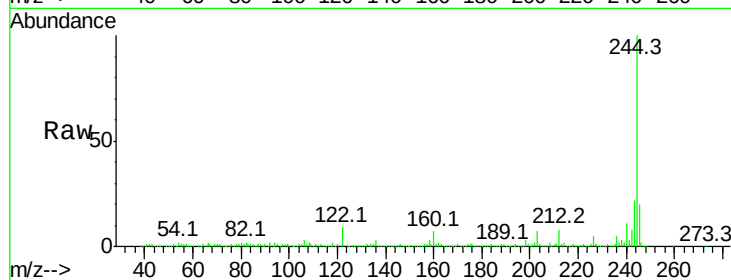
Tot Ion:244 Resp: 641581

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

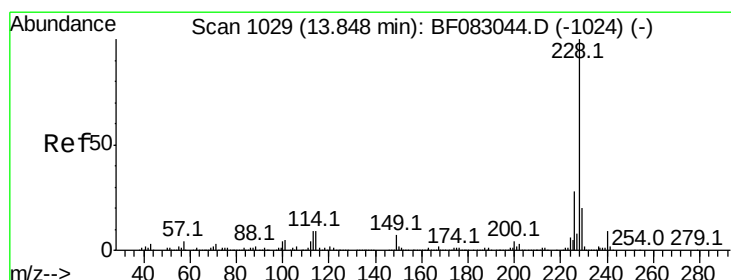
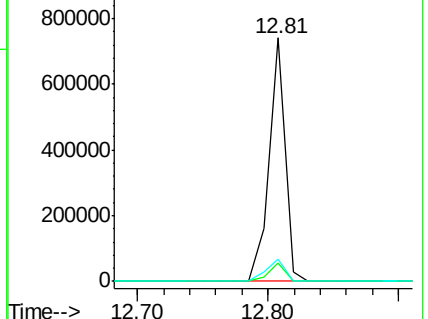
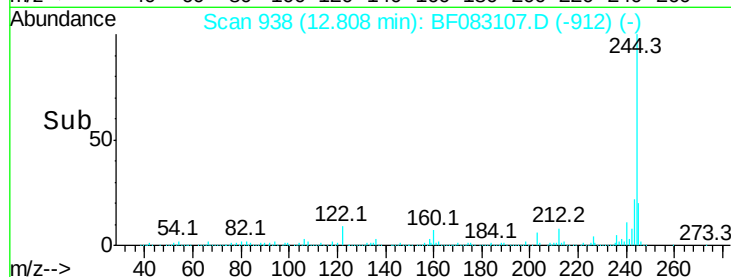
122 8.9 10.9 16.3#



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: 24.13 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.03 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

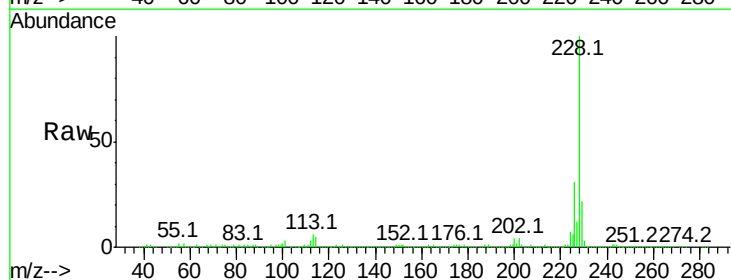
Tgt Ion:228 Resp: 591550

Ion Ratio Lower Upper

228 100

226 30.6 22.6 34.0

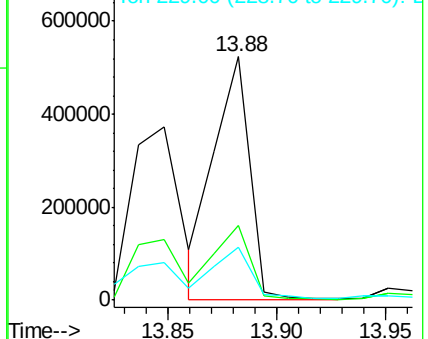
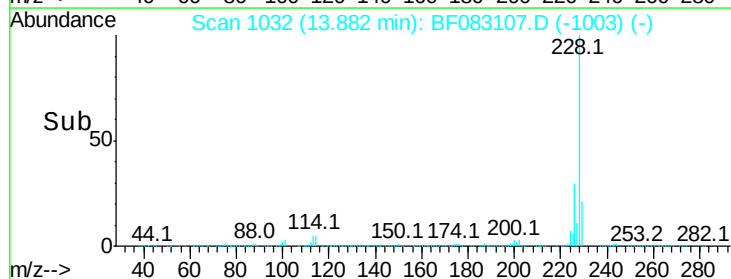
229 22.0 16.1 24.1

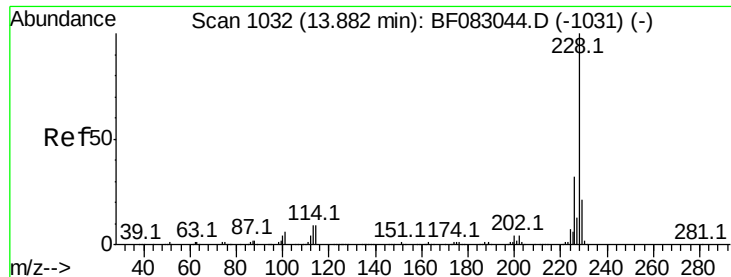


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

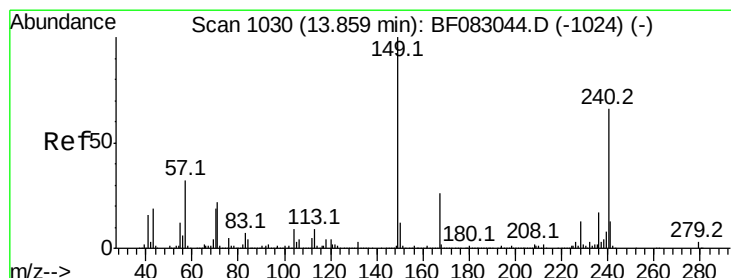
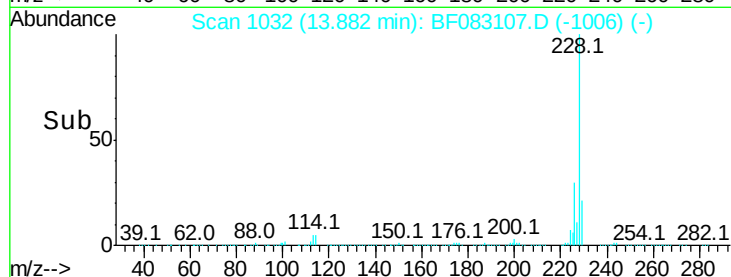
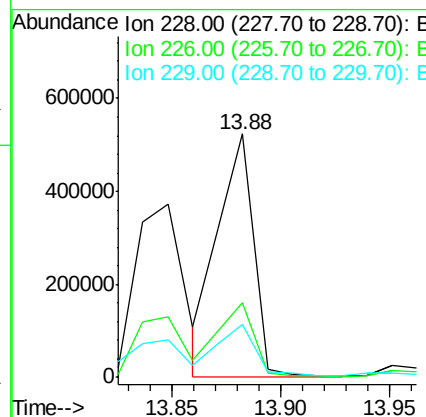
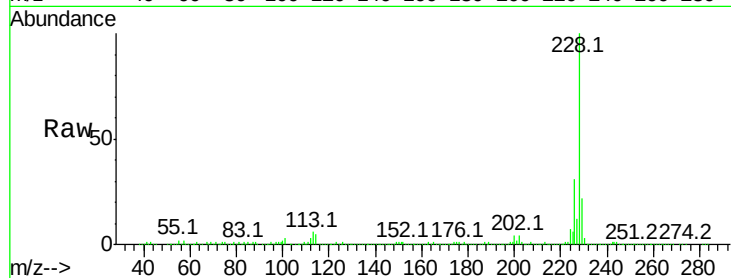




#82
Chrysene
Concen: 26.24 ng
RT: 13.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF083107.D
Acq: 21 Nov 2015 6:28

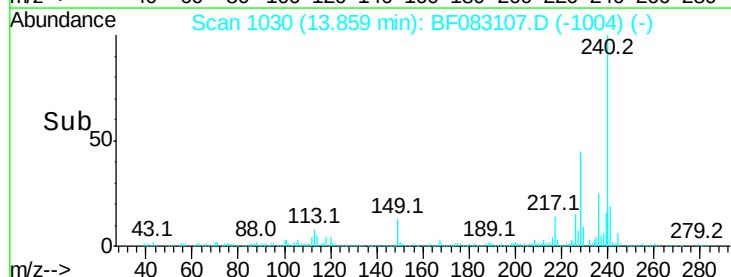
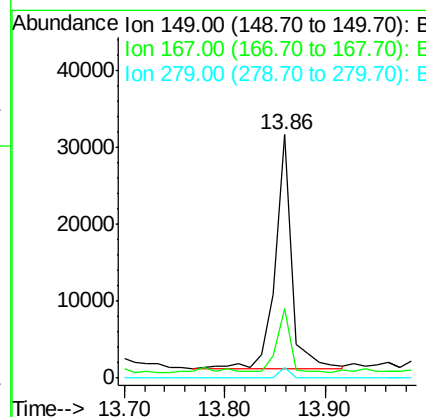
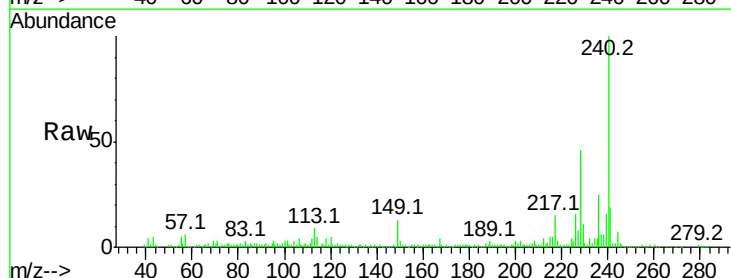
Instrument :
BNA_F
ClientSampleId :

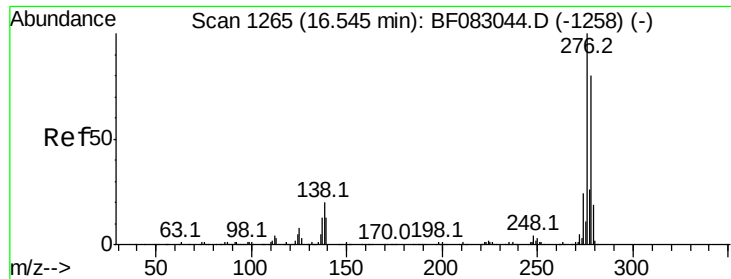
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.3	37.9
229	22.0	16.4	24.6



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.19 ng
RT: 13.86 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF083107.D
Acq: 21 Nov 2015 6:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.7	20.9	31.3
279	4.2	2.0	3.0

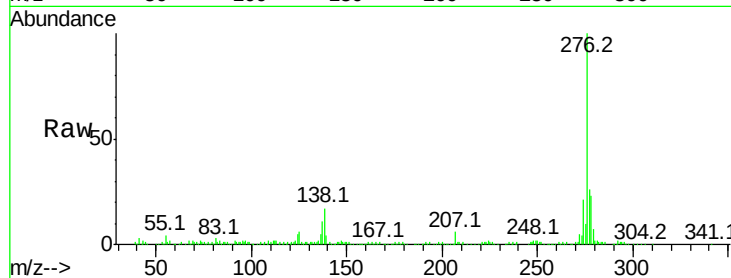




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.45 ng
 RT: 16.53 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

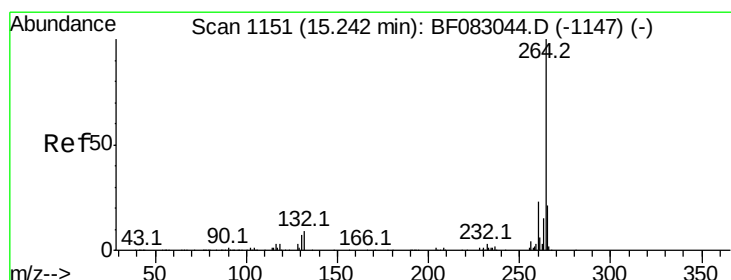
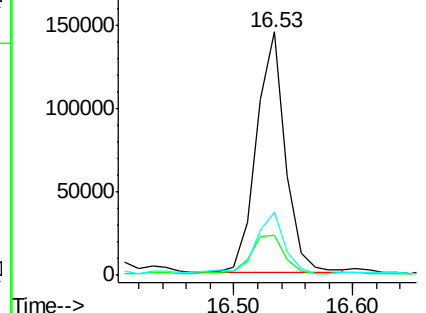
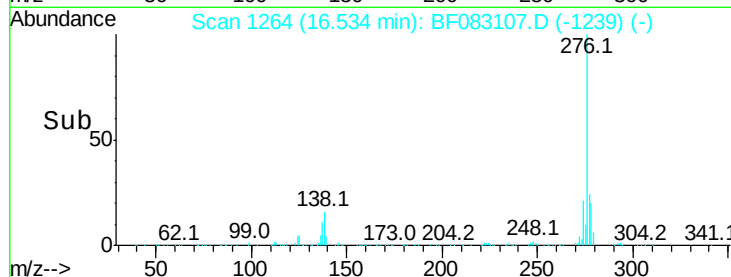
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.3	24.5
277	25.0	19.8	29.8



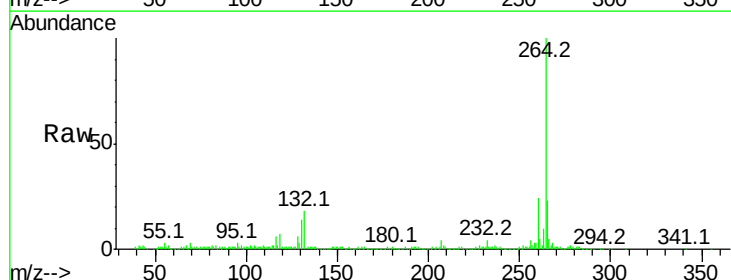
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

16.53



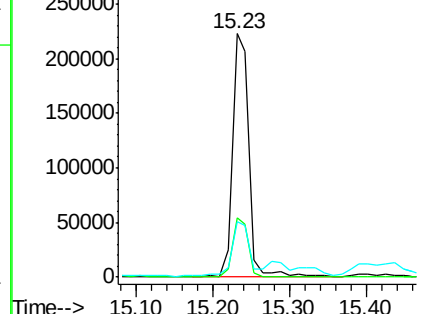
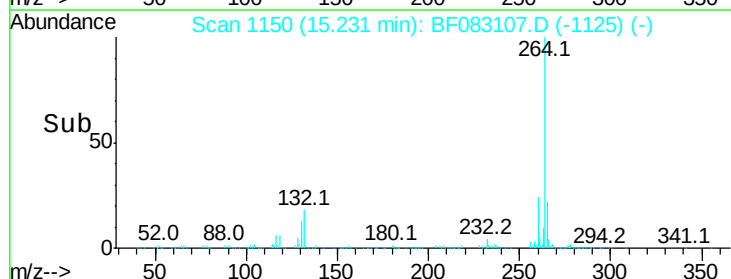
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF083107.D
 Acq: 21 Nov 2015 6:28

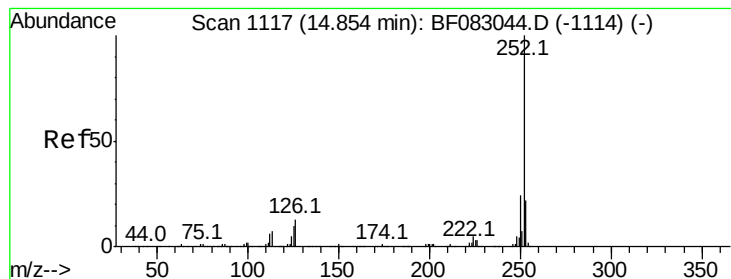
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	22.9	17.0	25.6



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

15.23





#87

Benzo(b)fluoranthene

Concen: 35.52 ng

RT: 14.85 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

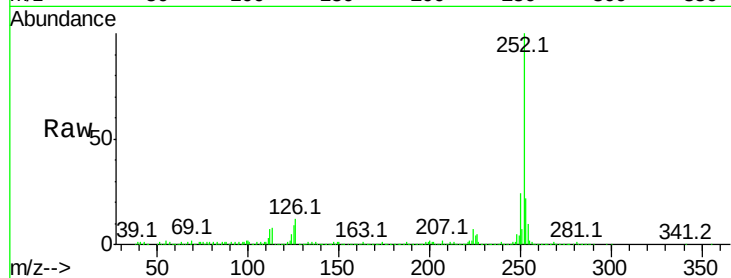
Tot Ion:252 Resp: 844812

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

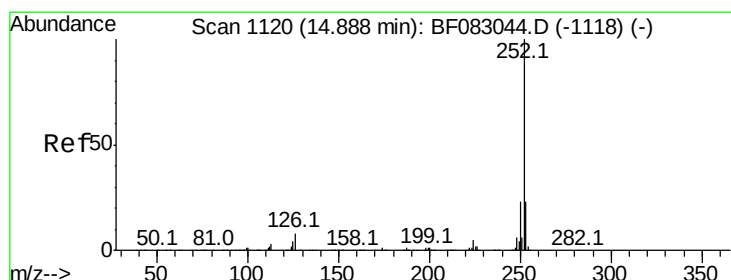
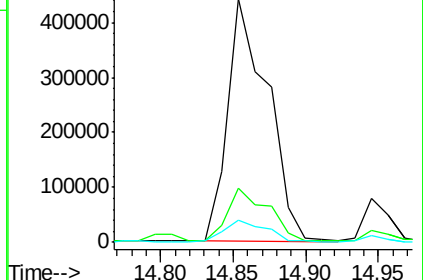
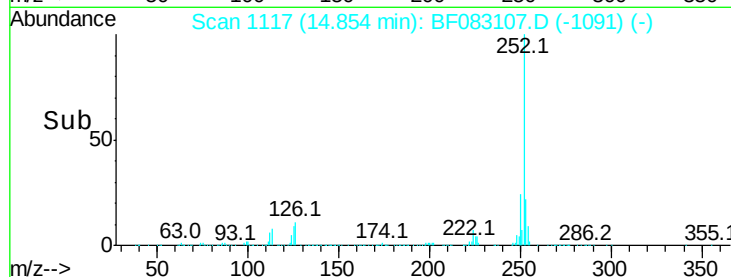
125 9.3 7.7 11.5



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: 46.63 ng

RT: 14.85 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

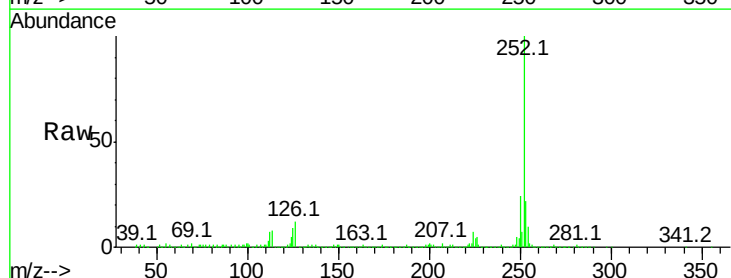
Tgt Ion:252 Resp: 844812

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

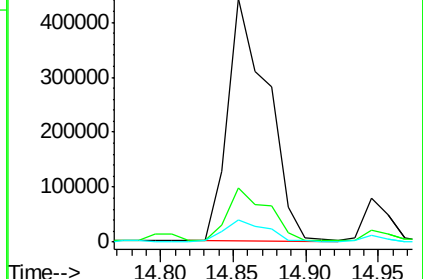
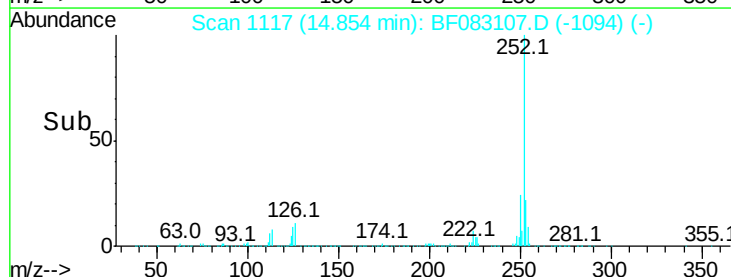
125 9.3 3.8 5.6#

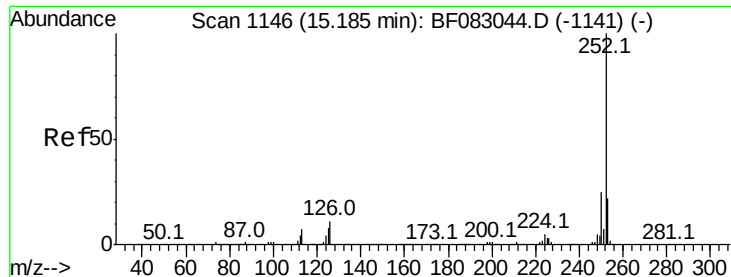


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 22.17 ng

RT: 15.19 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

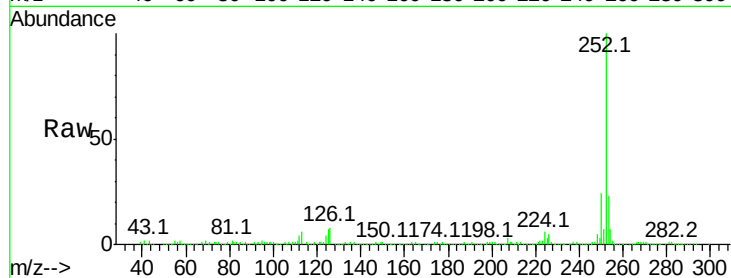
Tot Ion:252 Resp: 423092

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

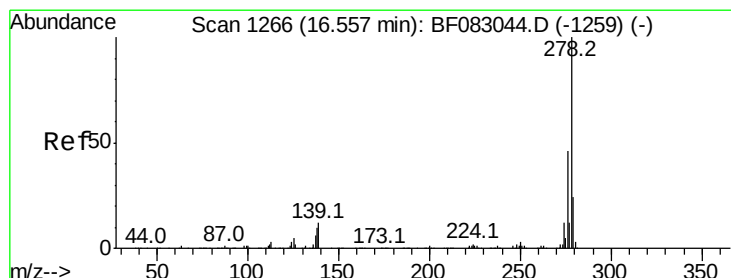
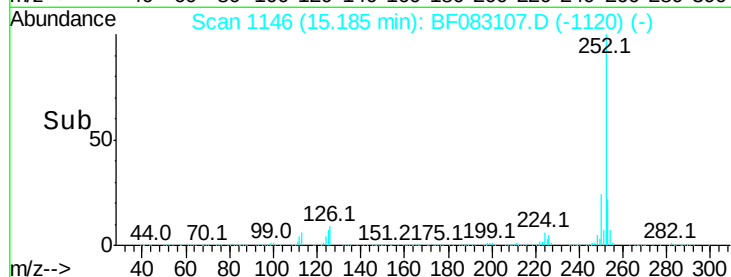
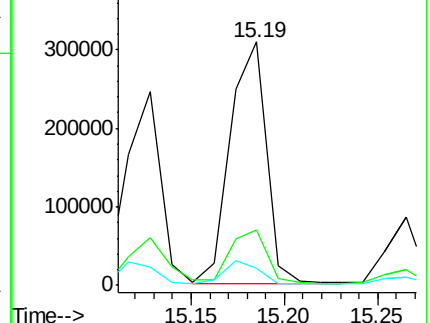
125 7.1 6.4 9.6



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



#90

Dibenzo(a,h)anthracene

Concen: 2.73 ng

RT: 16.68 min Scan# 1277

Delta R.T. 0.13 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

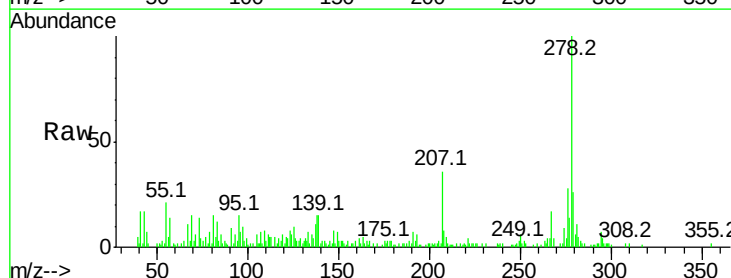
Tgt Ion:278 Resp: 45406

Ion Ratio Lower Upper

278 100

139 14.7 9.8 14.8

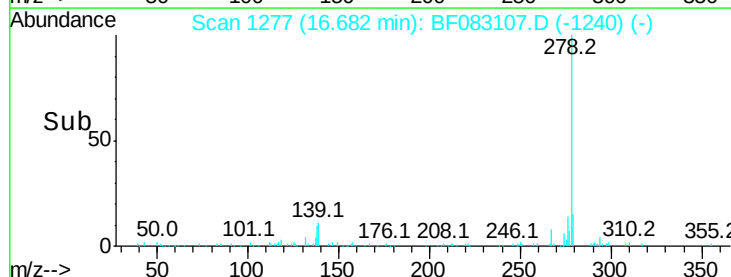
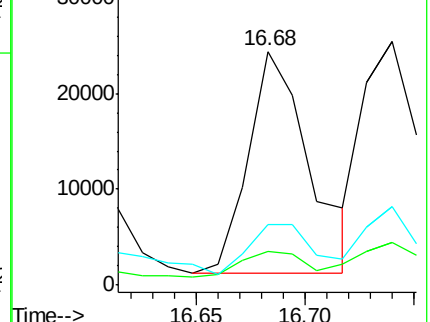
279 26.0 19.6 29.4

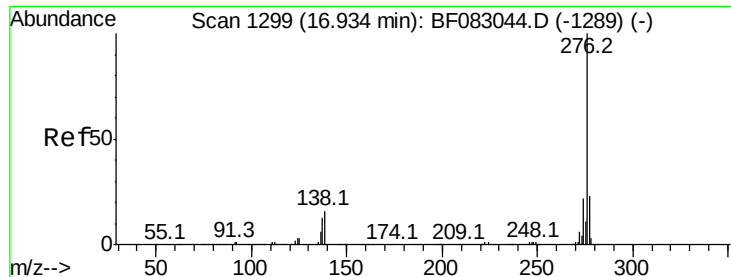


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 13.90 ng

RT: 16.92 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF083107.D

Acq: 21 Nov 2015 6:28

Instrument :

BNA_F

ClientSampleId :

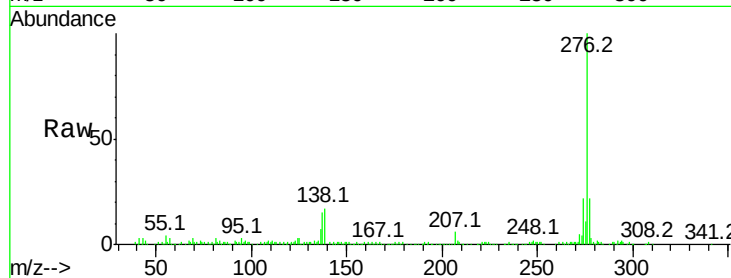
Tot Ion:276 Resp: 225166

Ion Ratio Lower Upper

276 100

277 22.4 18.6 27.8

138 16.9 12.5 18.7



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

