

Data Path : Z:\HPCHEM1\BNA F\Data\BF112015\
 Data File : BF083086.D
 Acq On : 20 Nov 2015 17:21
 Operator : UM/IZ
 Sample : G4452-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 22:33:43 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

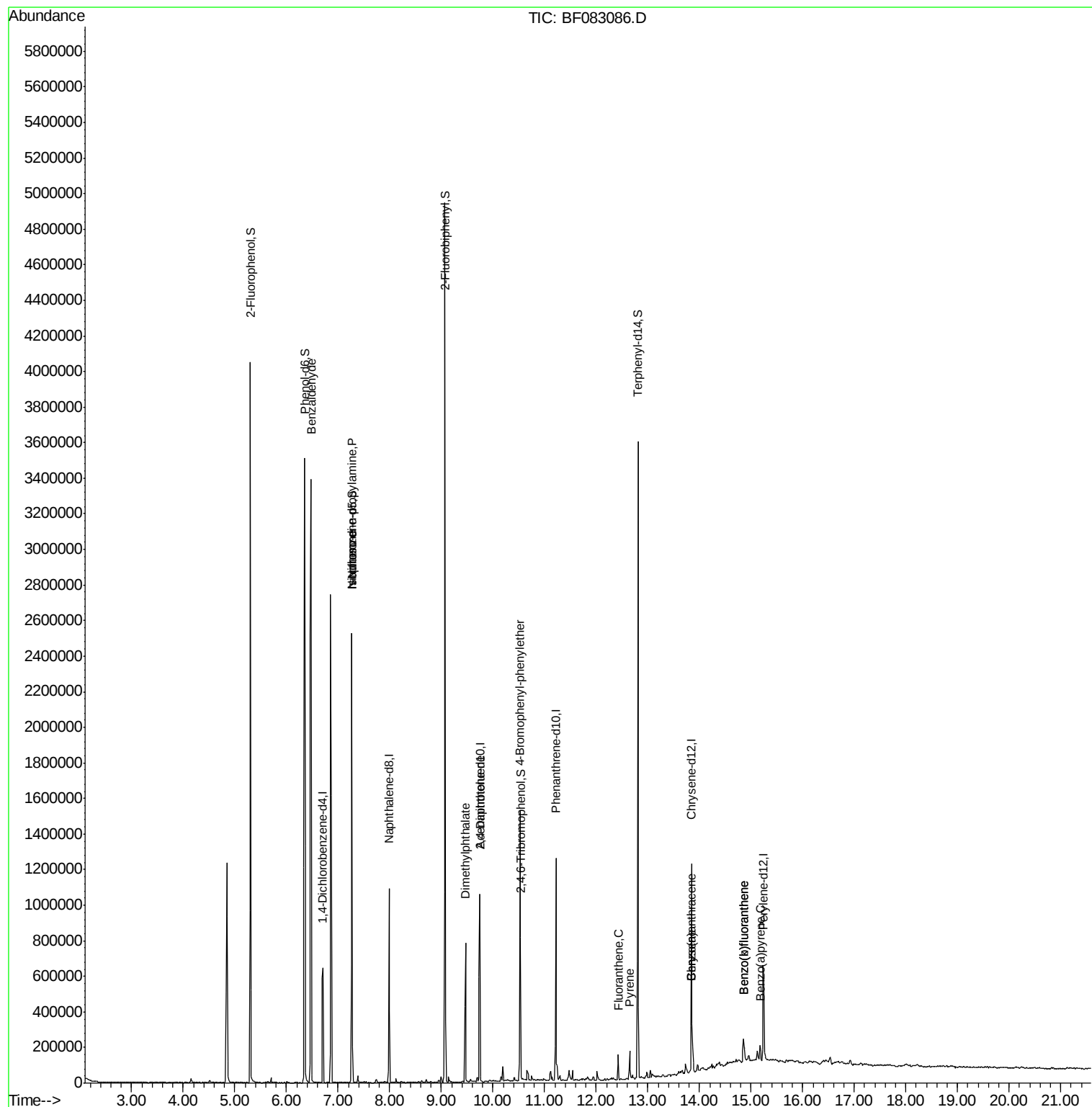
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	140018	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	514983	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	251437	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	426931	20.00	ng	0.00
75) Chrysene-d12	13.85	240	365886	20.00	ng	-0.01
86) Perylene-d12	15.24	264	301509	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1030860	114.35	ng	0.01
7) Phenol-d6	6.35	99	1381125	116.32	ng	0.00
23) Nitrobenzene-d5	7.26	82	829133	73.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	202311	75.78	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1412527	75.66	ng	-0.01
78) Terphenyl-d14	12.81	244	1014438	65.45	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.48	77	28277	3.10	ng	93
19) n-Nitroso-di-n-propylamine	7.26	70	113642	13.10	ng	# 76
25) Isophorone	7.26	82	664189	31.30	ng	# 69
49) Dimethylphthalate	9.47	163	390246	18.86	ng	# 98
56) 2,4-Dinitrotoluene	9.74	165	31376	5.26	ng	# 19
66) 4-Bromophenyl-phenylether	10.52	248	12870	2.60	ng	# 1
74) Fluoranthene	12.43	202	73836	2.75	ng	96
77) Pyrene	12.65	202	65592	2.55	ng	95
80) Benzo(a)anthracene	13.84	228	72875	3.13	ng	99
82) Chrysene	13.84	228	72875	3.42	ng	96
87) Benzo(b)fluoranthene	14.85	252	94048	4.46	ng	98
88) Benzo(k)fluoranthene	14.85	252	94048	5.86	ng	# 96
89) Benzo(a)pyrene	15.17	252	45129	2.67	ng	# 90

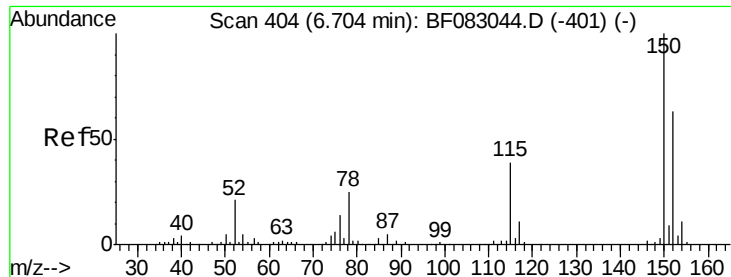
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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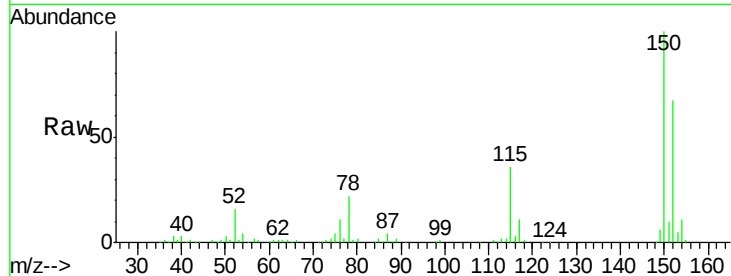


#1

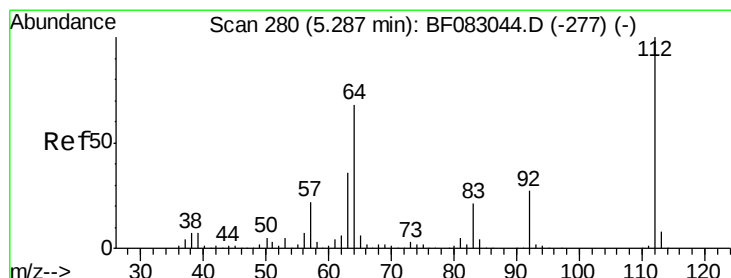
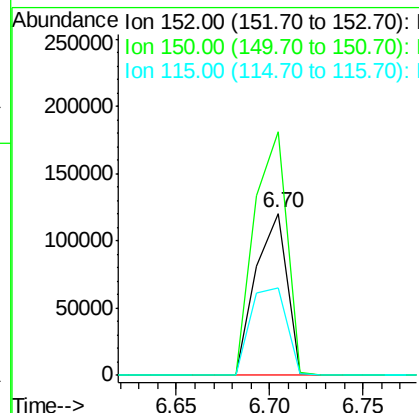
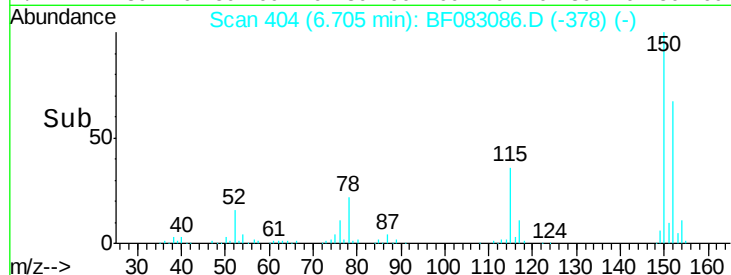
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 140018
Ion Ratio Lower Upper
152 100
150 150.1 126.4 189.6
115 54.3 49.0 73.6



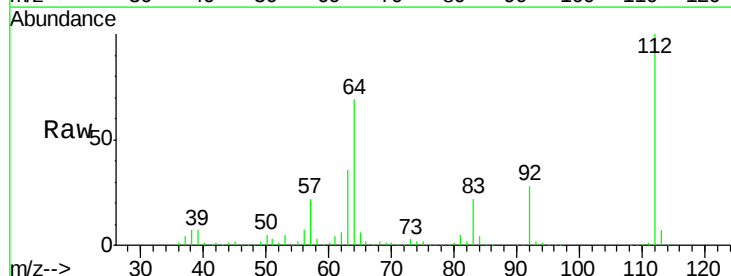
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



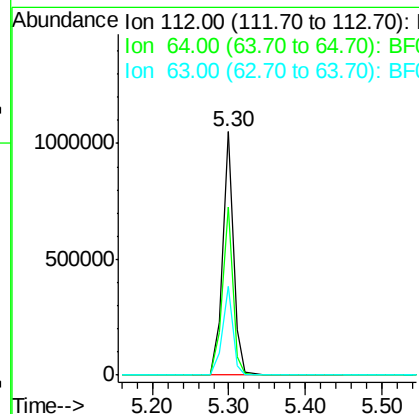
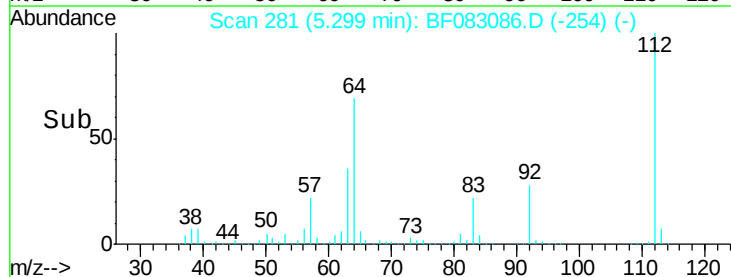
#5

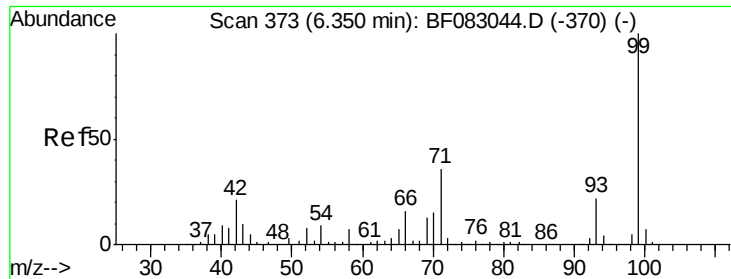
2-Fluorophenol
Concen: 114.35 ng
RT: 5.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

Tgt Ion:112 Resp: 1030860
Ion Ratio Lower Upper
112 100
64 69.0 54.8 82.2
63 36.2 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: 116.32 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

Instrument :

BNA_F

ClientSampleId :

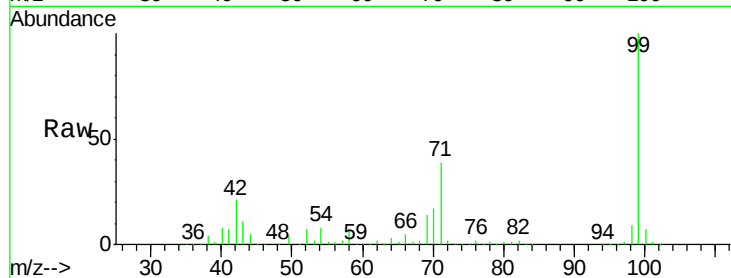
Tot Ion: 99 Resp: 1381125

Ion Ratio Lower Upper

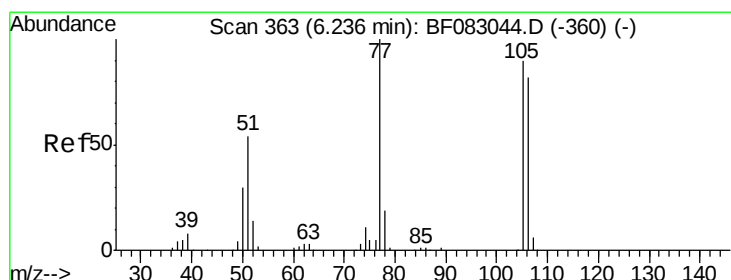
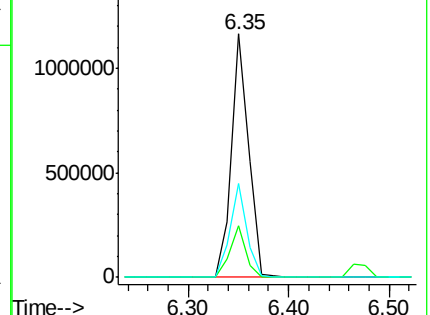
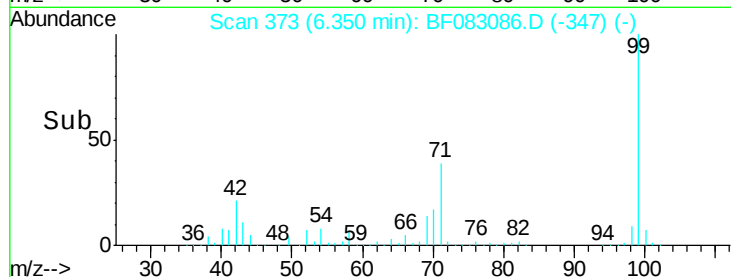
99 100

42 21.2 16.6 25.0

71 38.7 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



#9

Benzaldehyde

Concen: 3.10 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.24 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

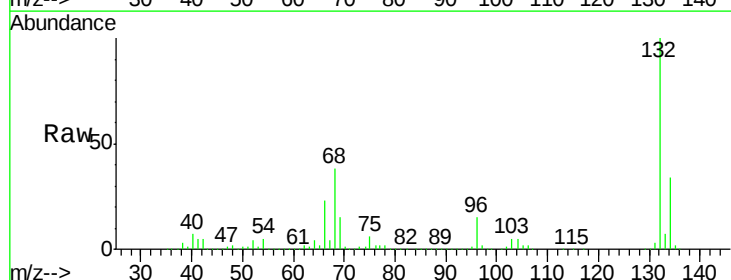
Tgt Ion: 77 Resp: 28277

Ion Ratio Lower Upper

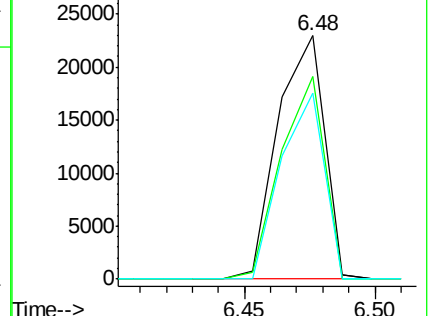
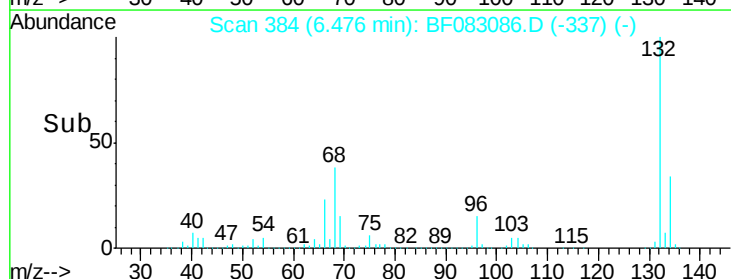
77 100

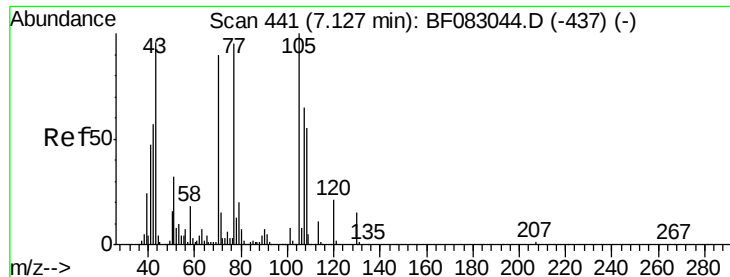
105 83.1 69.6 109.6

106 76.4 62.0 102.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

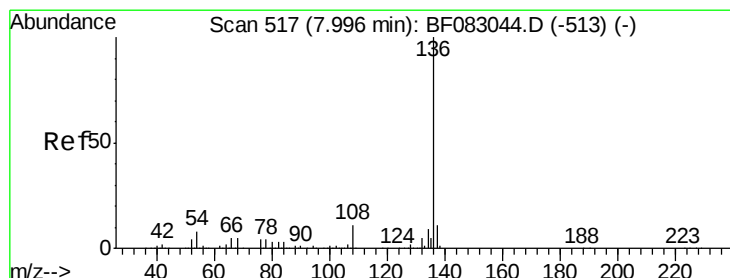
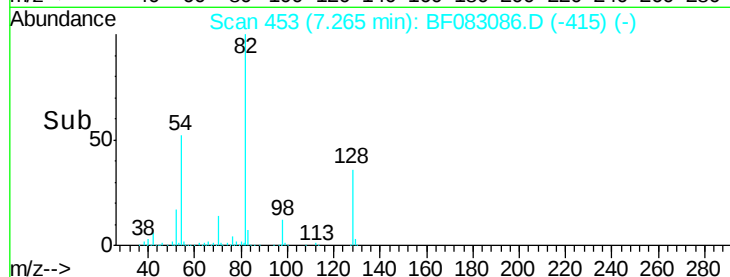
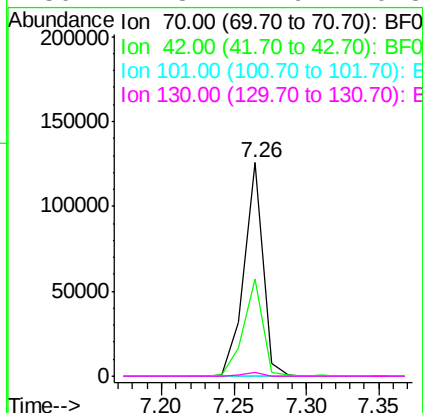
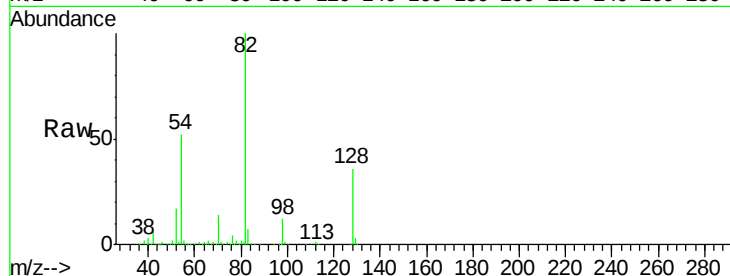




#19
n-Nitroso-di-n-propylamine
Concen: 13.10 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.14 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

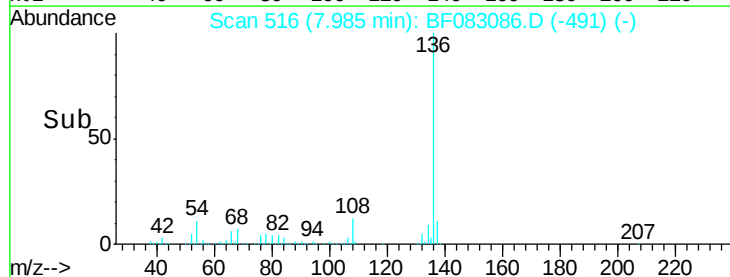
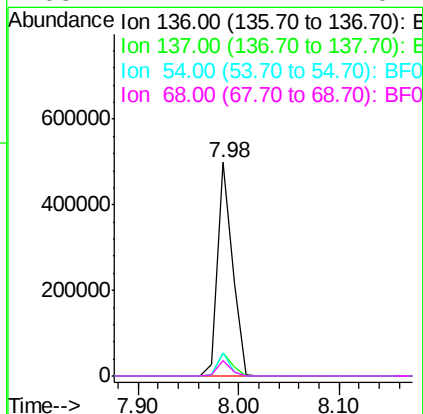
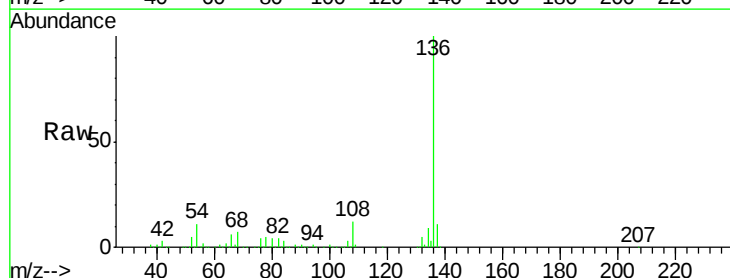
Instrument :
BNA_F
ClientSampleId :

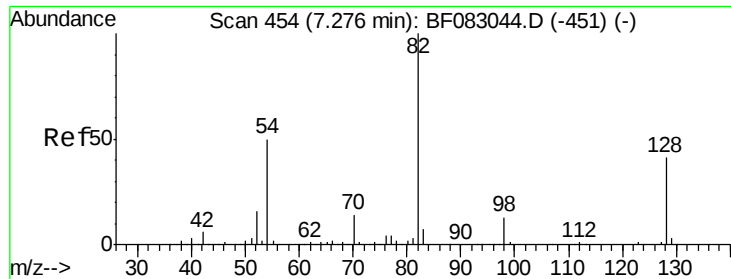
Tot Ion: 70 Resp: 113642
Ion Ratio Lower Upper
70 100
42 45.6 50.2 75.2#
101 0.0 6.8 10.2#
130 1.8 12.9 19.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.01 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

Tgt Ion: 136 Resp: 514983
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.9 6.2 9.2#
68 7.2 4.2 6.2#

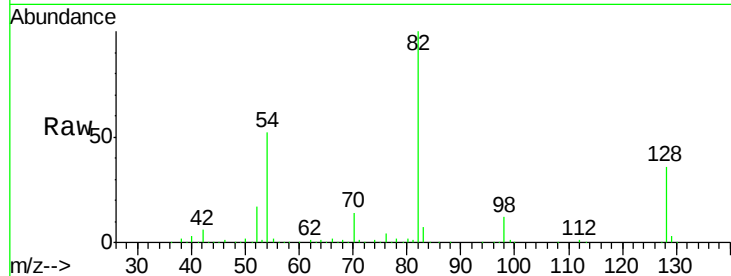




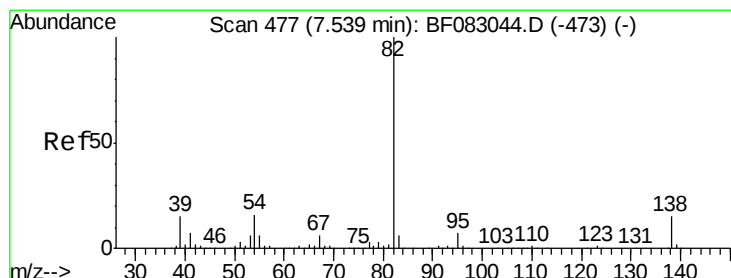
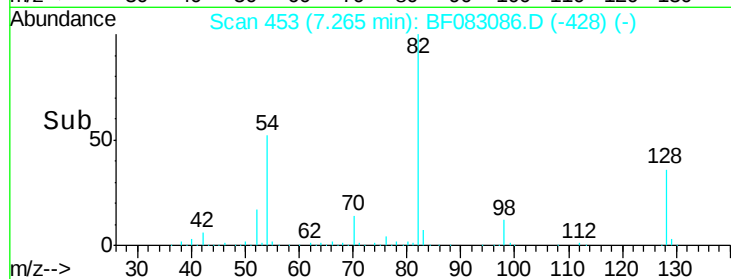
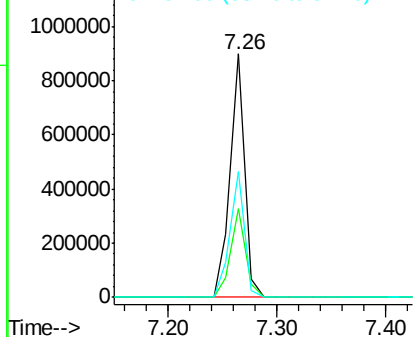
#23
 Nitrobenzene-d5
 Concen: 73.71 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF083086.D
 Acq: 20 Nov 2015 17:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	829133
Ion Ratio	100	Lower	Upper
128	36.5	33.1	49.7
54	52.0	39.8	59.6

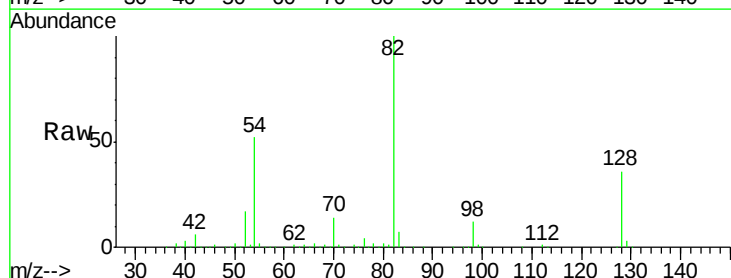


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

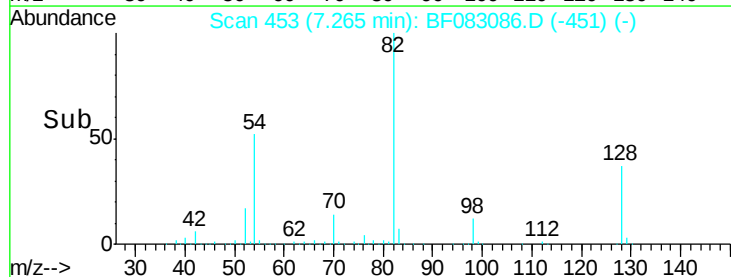
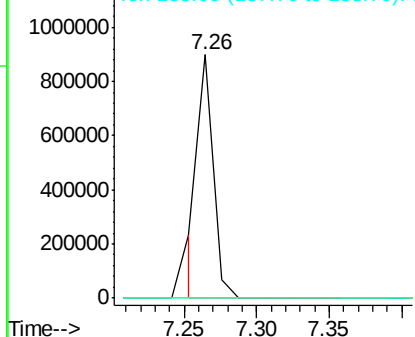


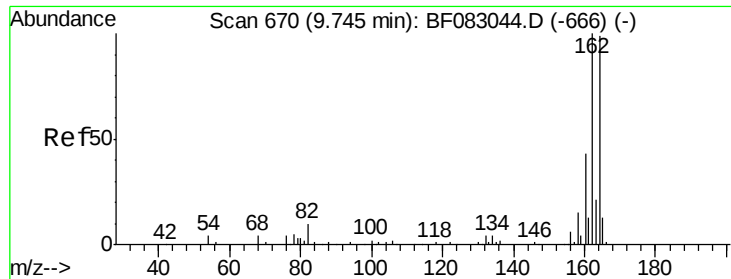
#25
 Isophorone
 Concen: 31.30 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.27 min
 Lab File: BF083086.D
 Acq: 20 Nov 2015 17:21

Tgt Ion	82	Resp	664189
Ion Ratio	100	Lower	Upper
95	0.0	5.7	8.5#
138	0.0	12.2	18.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

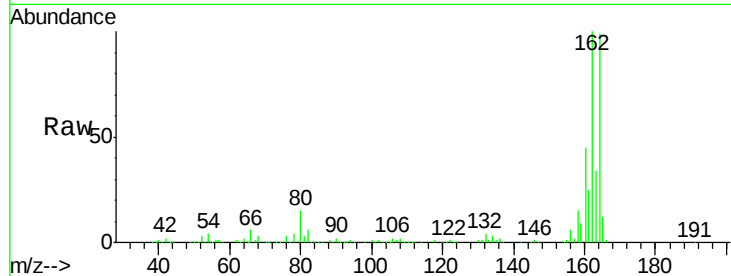
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 251437

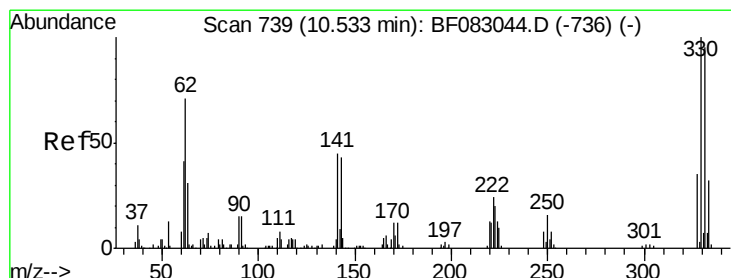
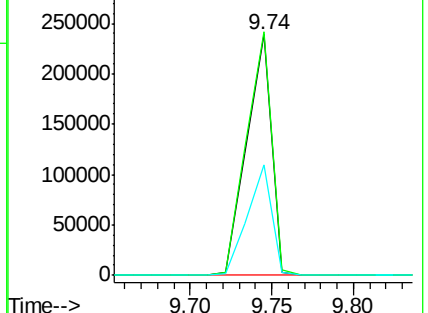
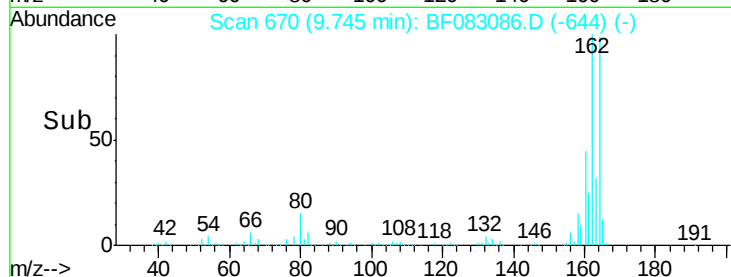
Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.5	120.7
160	45.7	35.0	52.4



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: 75.78 ng

RT: 10.53 min Scan# 739

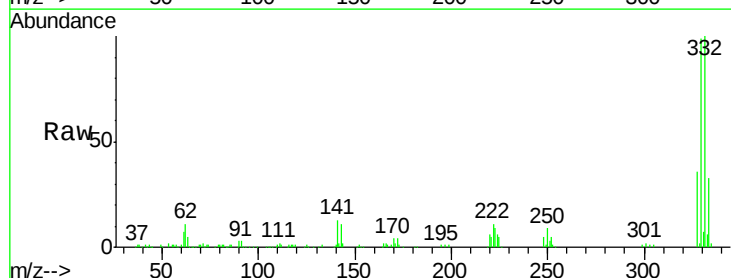
Delta R.T. 0.00 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

Tgt Ion:330 Resp: 202311

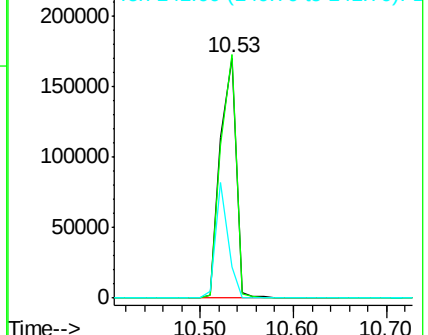
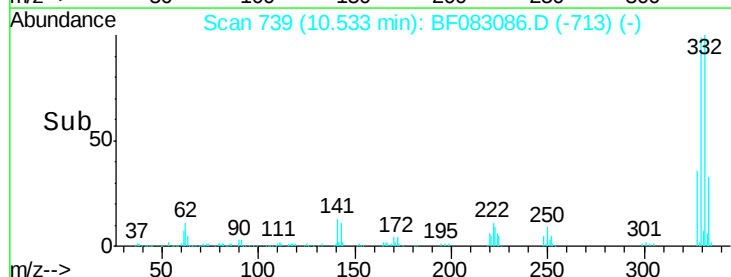
Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.6	116.4
141	37.7	34.6	52.0

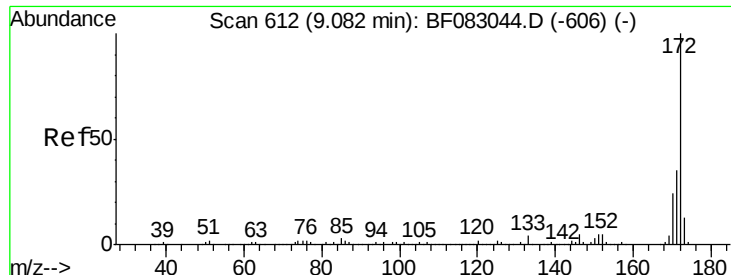


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

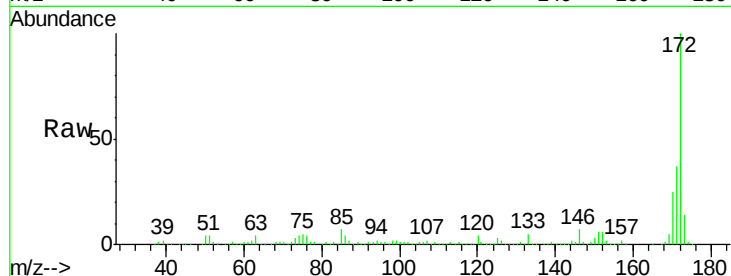




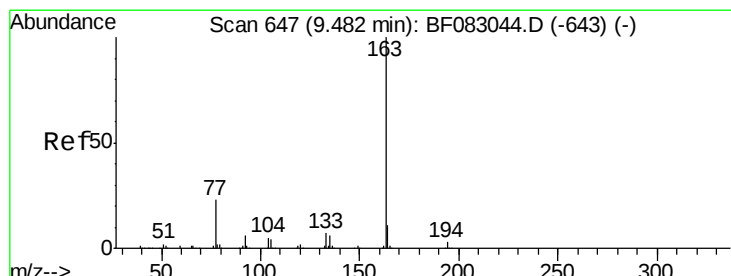
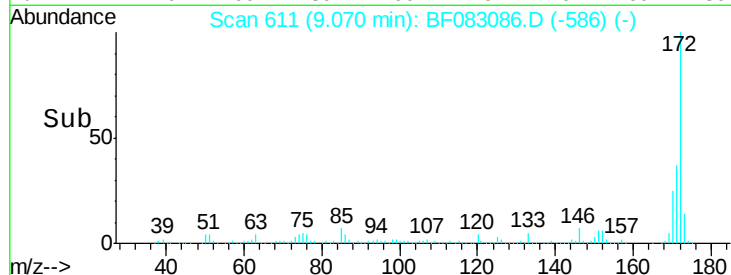
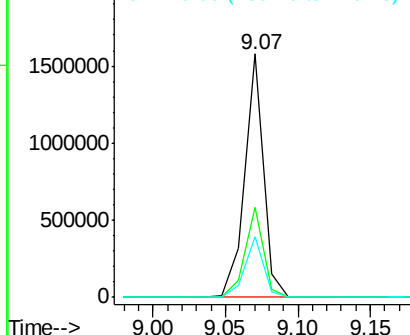
#44
2-Fluorobiphenyl
Concen: 75.66 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1412527
Ion Ratio Lower Upper
172 100
171 36.8 28.2 42.4
170 24.6 19.4 29.0

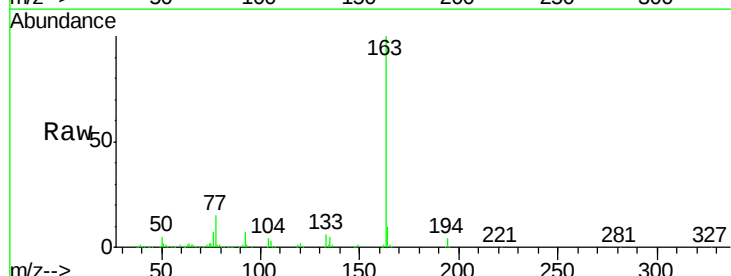


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

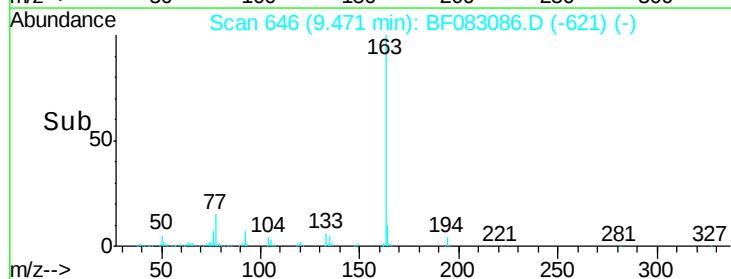
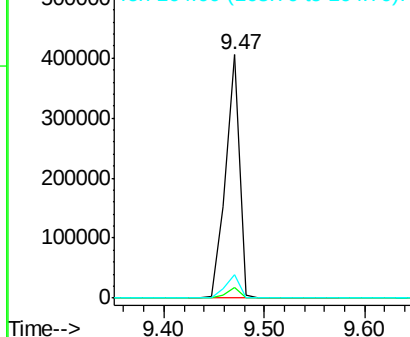


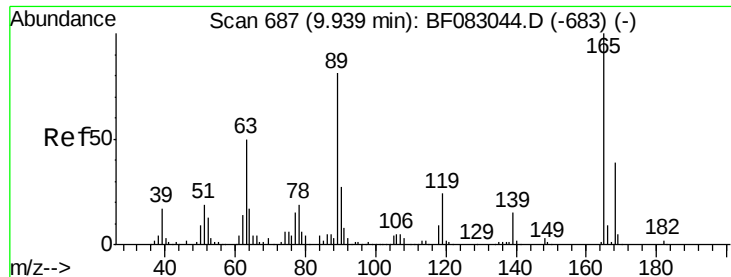
#49
Dimethylphthalate
Concen: 18.86 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

Tgt Ion:163 Resp: 390246
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 9.6 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





#56

2,4-Dinitrotoluene

Concen: 5.26 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.19 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 31376

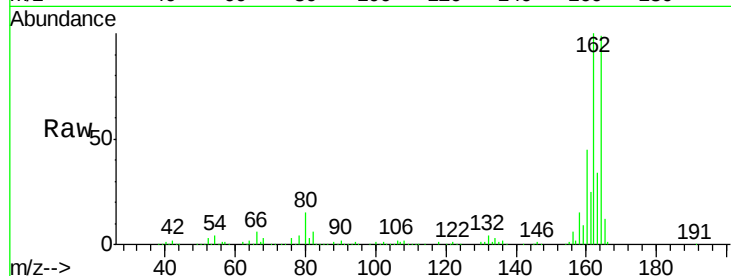
Ion Ratio Lower Upper

165 100

63 1.4 40.6 61.0#

89 2.2 64.4 96.6#

182 0.0 1.6 2.4#

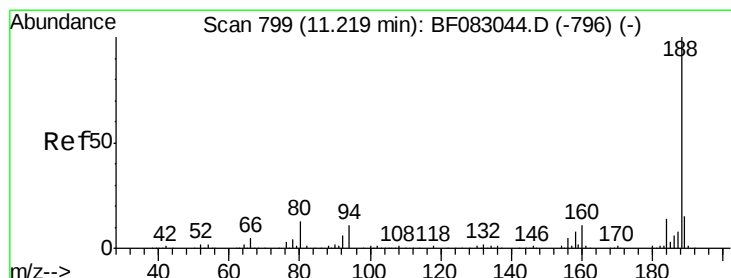
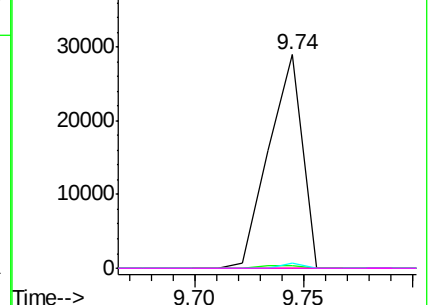
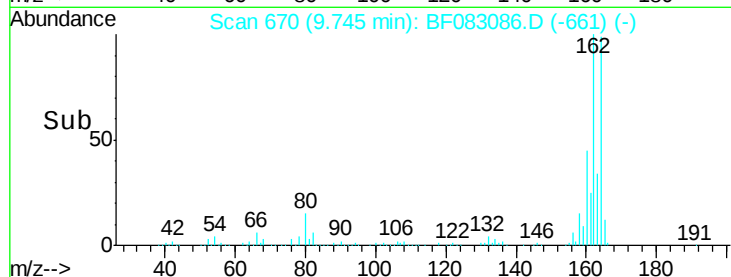


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

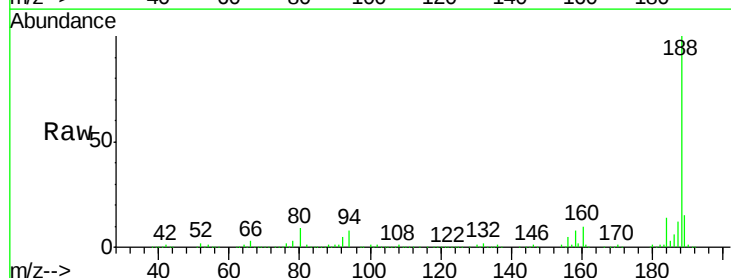
Tgt Ion:188 Resp: 426931

Ion Ratio Lower Upper

188 100

94 8.4 9.0 13.4#

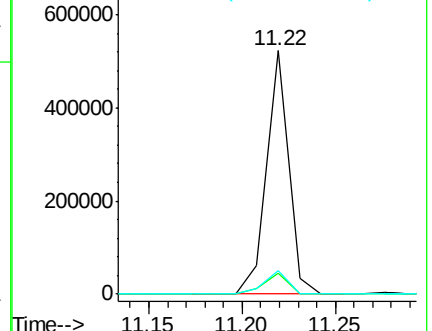
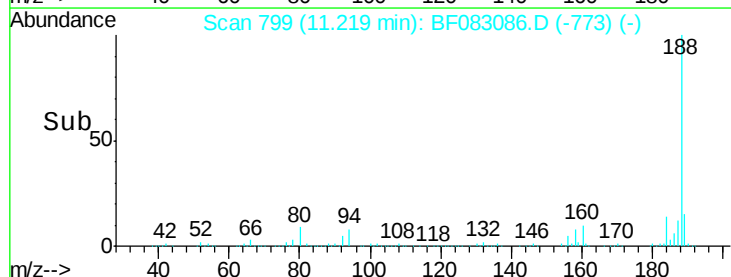
80 9.5 10.2 15.4#

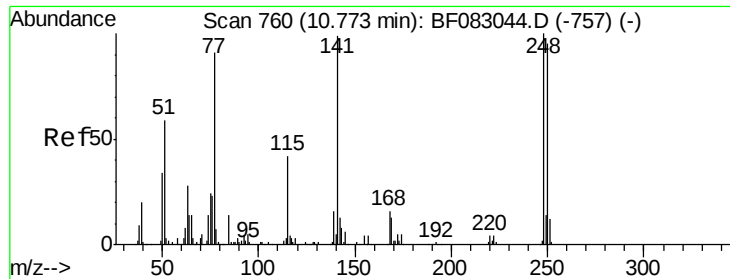


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

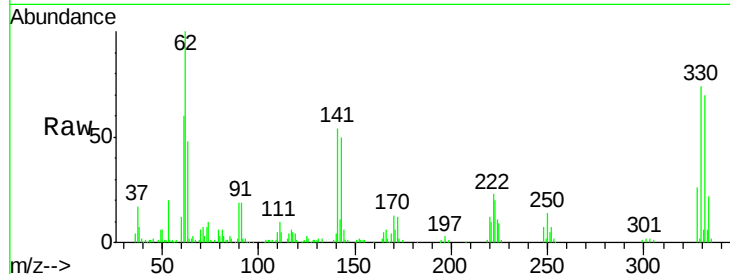




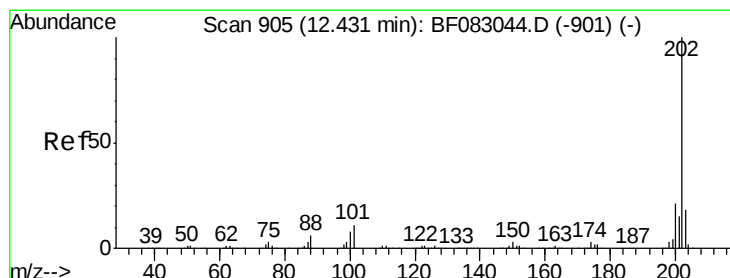
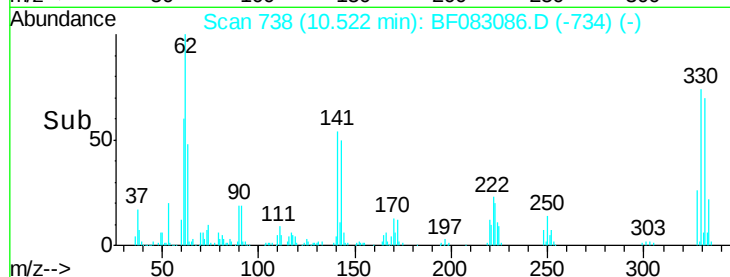
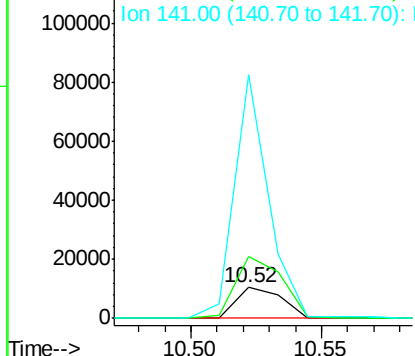
#66
4-Bromophenyl-phenylether
Concen: 2.60 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.25 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12870
Ion Ratio Lower Upper
248 100
250 199.1 76.1 114.1#
141 785.7 79.2 118.8#

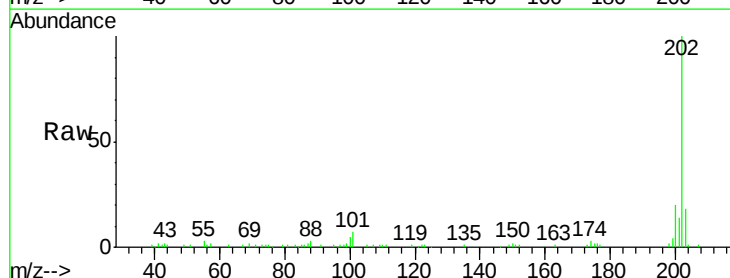


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

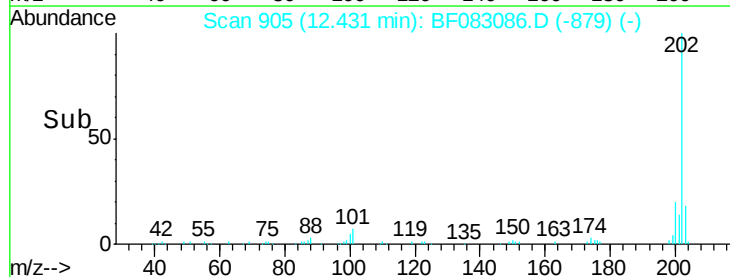
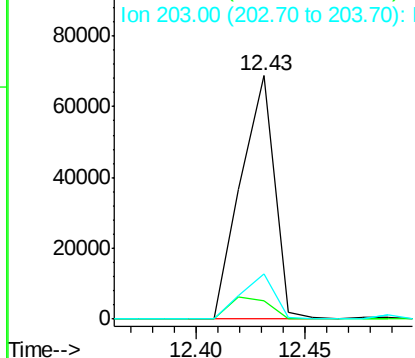


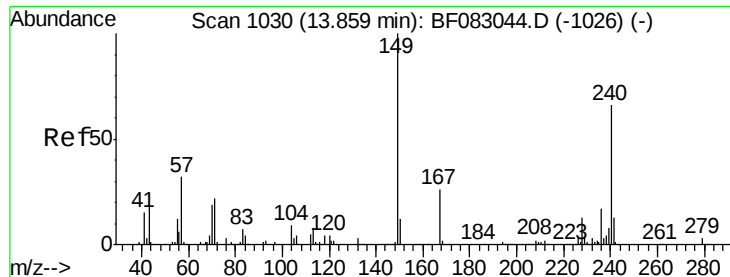
#74
Fluoranthene
Concen: 2.75 ng
RT: 12.43 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

Tgt Ion:202 Resp: 73836
Ion Ratio Lower Upper
202 100
101 7.3 0.0 31.1
203 18.4 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: BF083086.D

Acq: 20 Nov 2015 17:21

Instrument :

BNA_F

ClientSampleId :

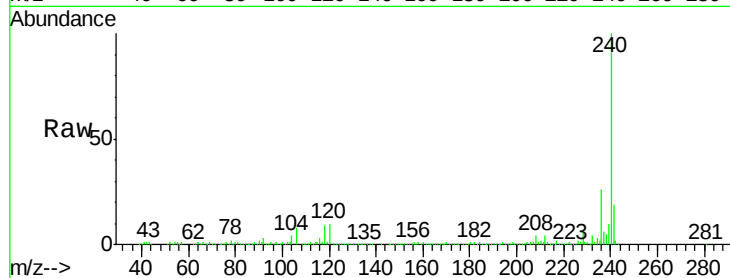
Tot Ion:240 Resp: 365886

Ion Ratio Lower Upper

240 100

120 10.4 5.3 7.9#

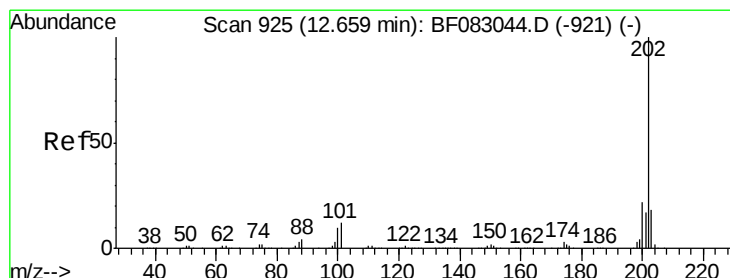
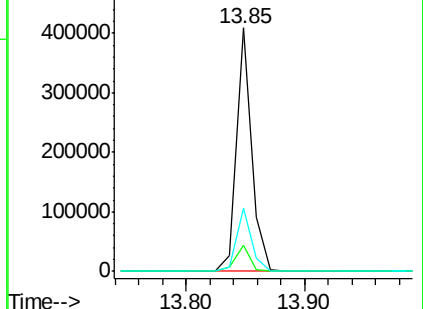
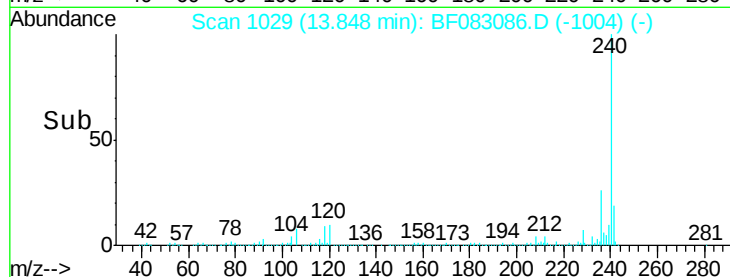
236 26.2 20.4 30.6



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: 2.55 ng

RT: 12.65 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

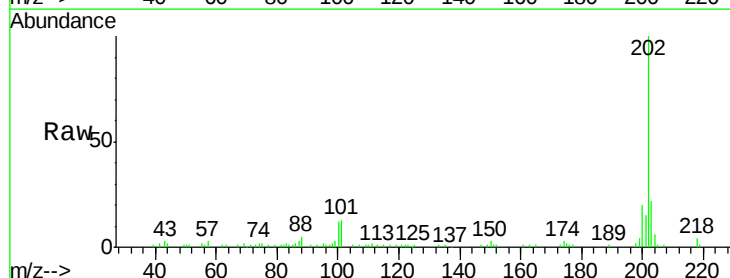
Tgt Ion:202 Resp: 65592

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

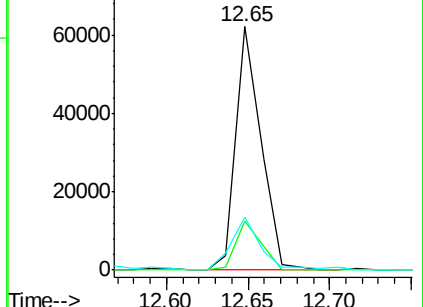
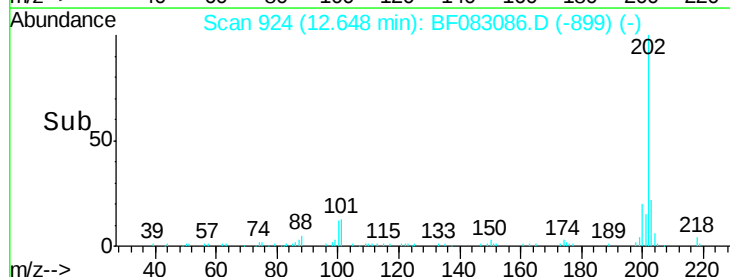
203 21.6 14.6 22.0

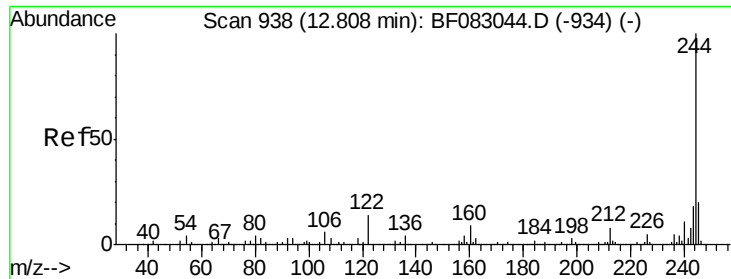


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

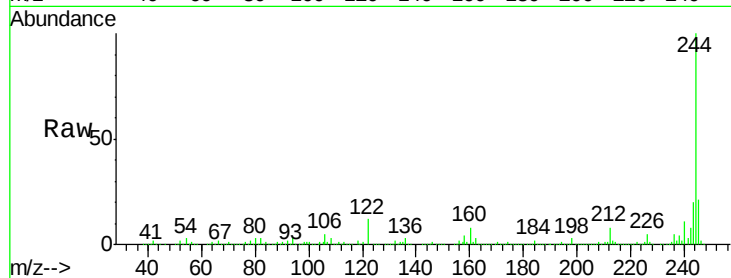




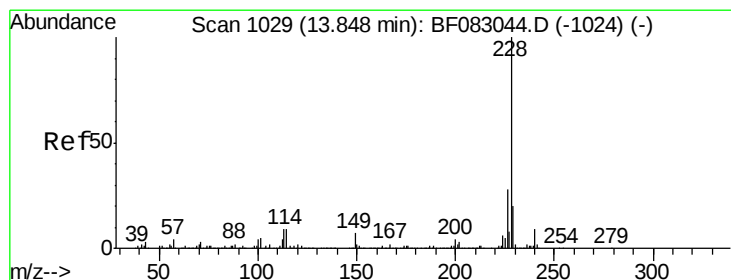
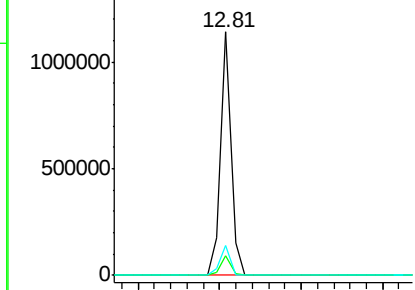
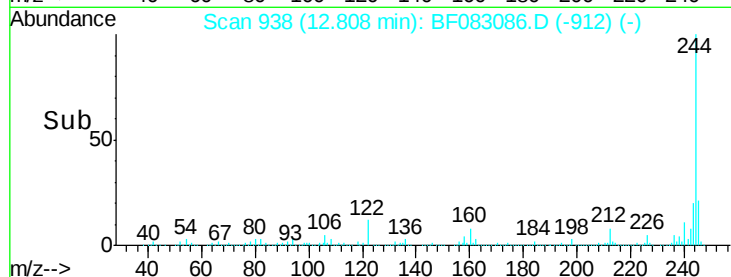
#78
 Terphenyl-d14
 Concen: 65.45 ng
 RT: 12.81 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF083086.D
 Acq: 20 Nov 2015 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1014438
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.4 9.6
 122 12.1 10.9 16.3

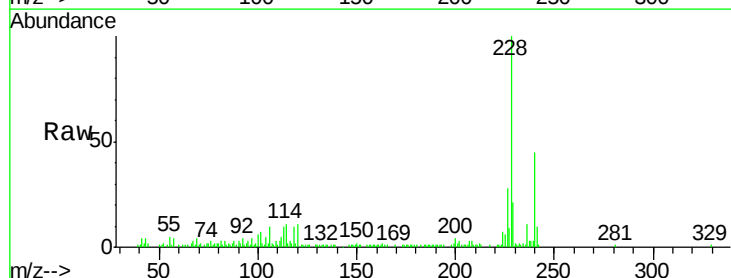


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

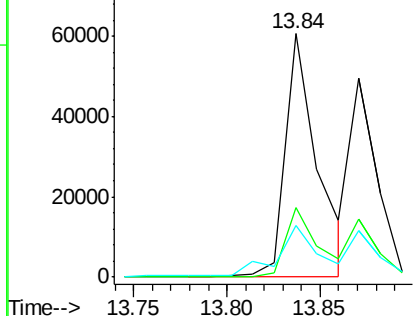
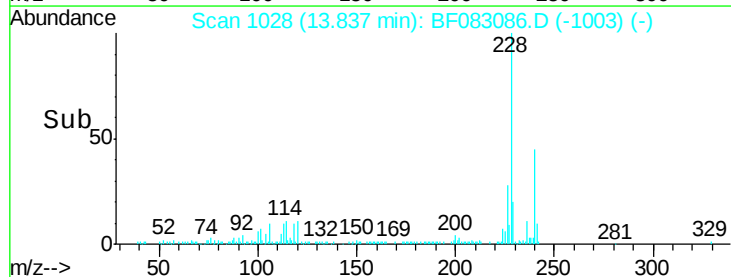


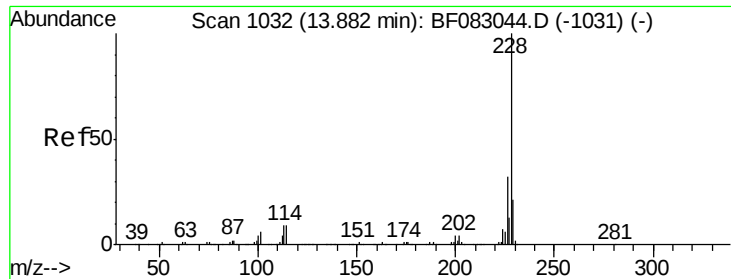
#80
 Benzo(a)anthracene
 Concen: 3.13 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF083086.D
 Acq: 20 Nov 2015 17:21

Tgt Ion:228 Resp: 72875
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 34.0
 229 21.2 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

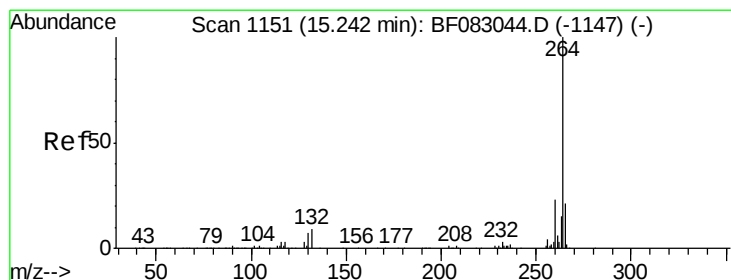
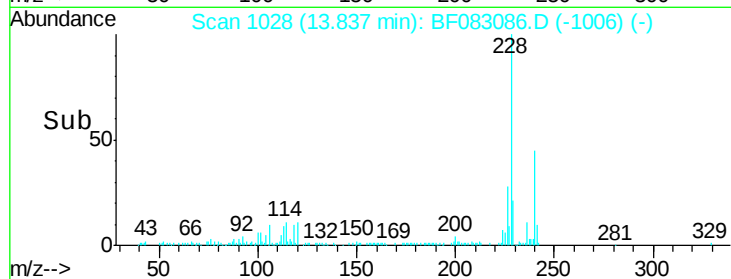
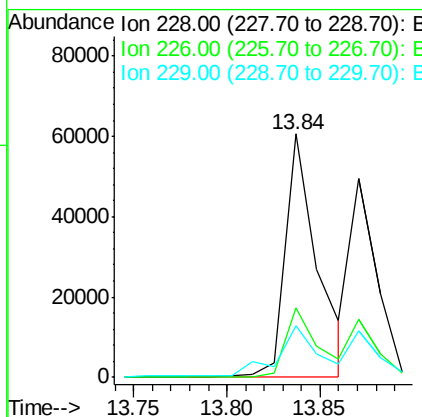
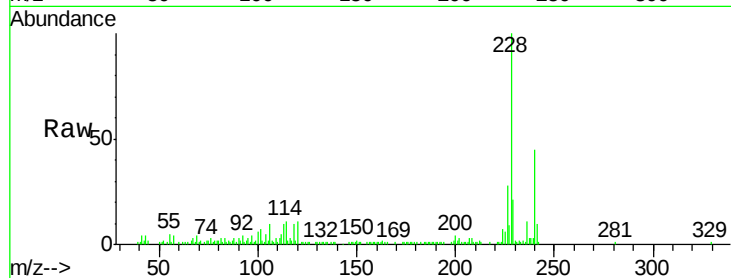




#82
Chrysene
Concen: 3.42 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.05 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

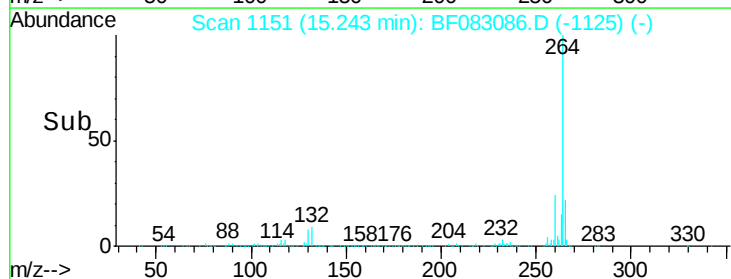
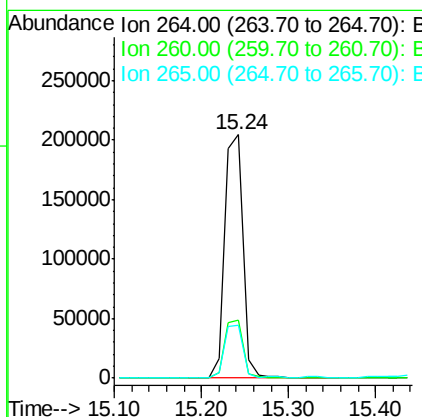
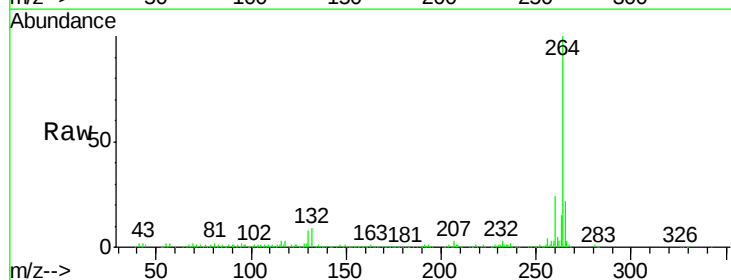
Instrument :
BNA_F
ClientSampleId :

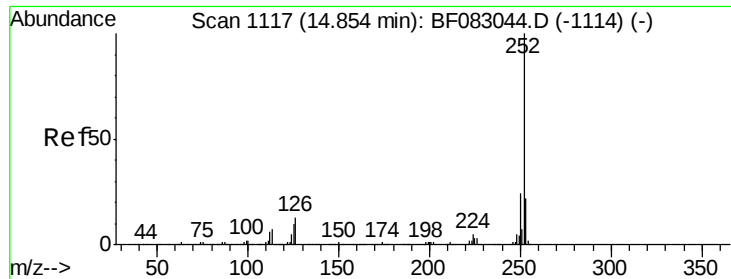
Tot Ion:228 Resp: 72875
Ion Ratio Lower Upper
228 100
226 28.4 25.3 37.9
229 21.2 16.4 24.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF083086.D
Acq: 20 Nov 2015 17:21

Tgt Ion:264 Resp: 301509
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.8 17.0 25.6





#87

Benzo(b)fluoranthene

Concen: 4.46 ng

RT: 14.85 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

Instrument :

BNA_F

ClientSampleId :

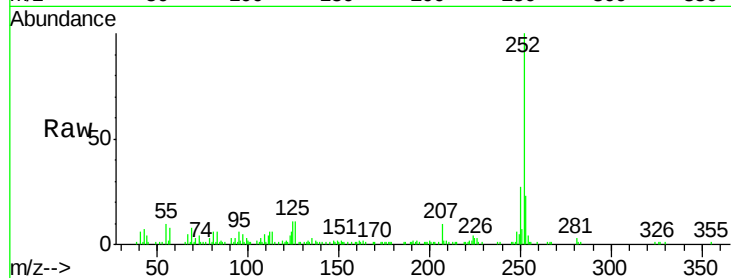
Tot Ion:252 Resp: 94048

Ion Ratio Lower Upper

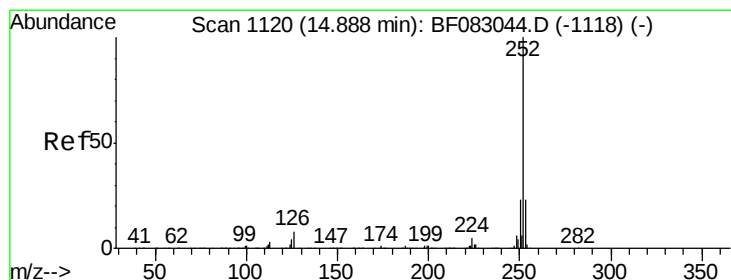
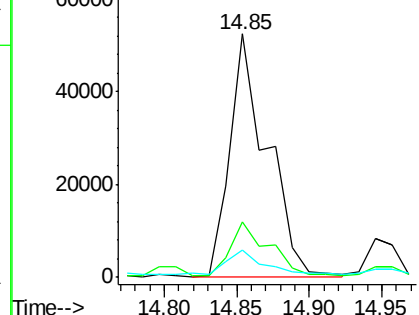
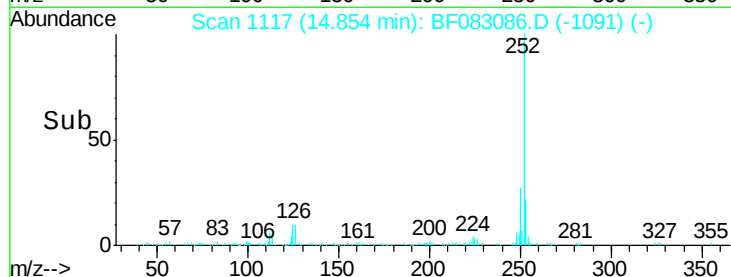
252 100

253 22.7 17.6 26.4

125 11.5 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: 5.86 ng

RT: 14.85 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

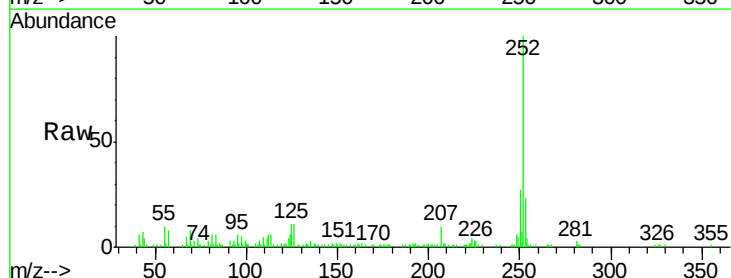
Tgt Ion:252 Resp: 94048

Ion Ratio Lower Upper

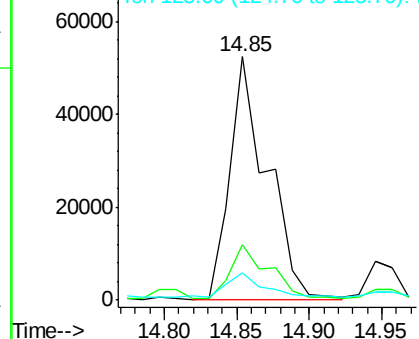
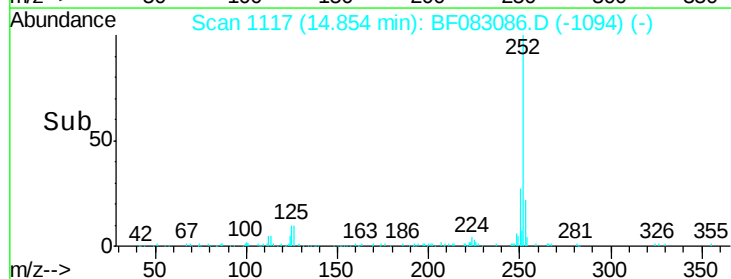
252 100

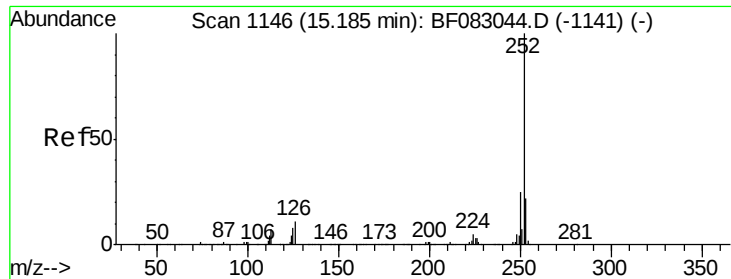
253 22.7 17.8 26.6

125 11.5 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: 2.67 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF083086.D

Acq: 20 Nov 2015 17:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 45129

Ion Ratio Lower Upper

252 100

253 26.0 17.5 26.3

125 12.8 6.4 9.6#

