

Data Path : Z:\HPCHEM1\BNA F\Data\BF110915\
 Data File : BF082860.D
 Acq On : 10 Nov 2015 8:08
 Operator : UM/IZ
 Sample : G4275-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-10C

Quant Time: Nov 10 08:54:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	257222	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	881664	20.00	ng	-0.03
38) Acenaphthene-d10	9.87	164	483783	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	767310	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	637228	20.00	ng	-0.03
86) Perylene-d12	15.43	264	524153	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1049787	63.50	ng	-0.02
7) Phenol-d6	6.46	99	1663269	75.68	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1065390	52.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	450697	81.25	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1837622	54.44	ng	-0.02
78) Terphenyl-d14	12.93	244	1448565	53.92	ng	-0.03

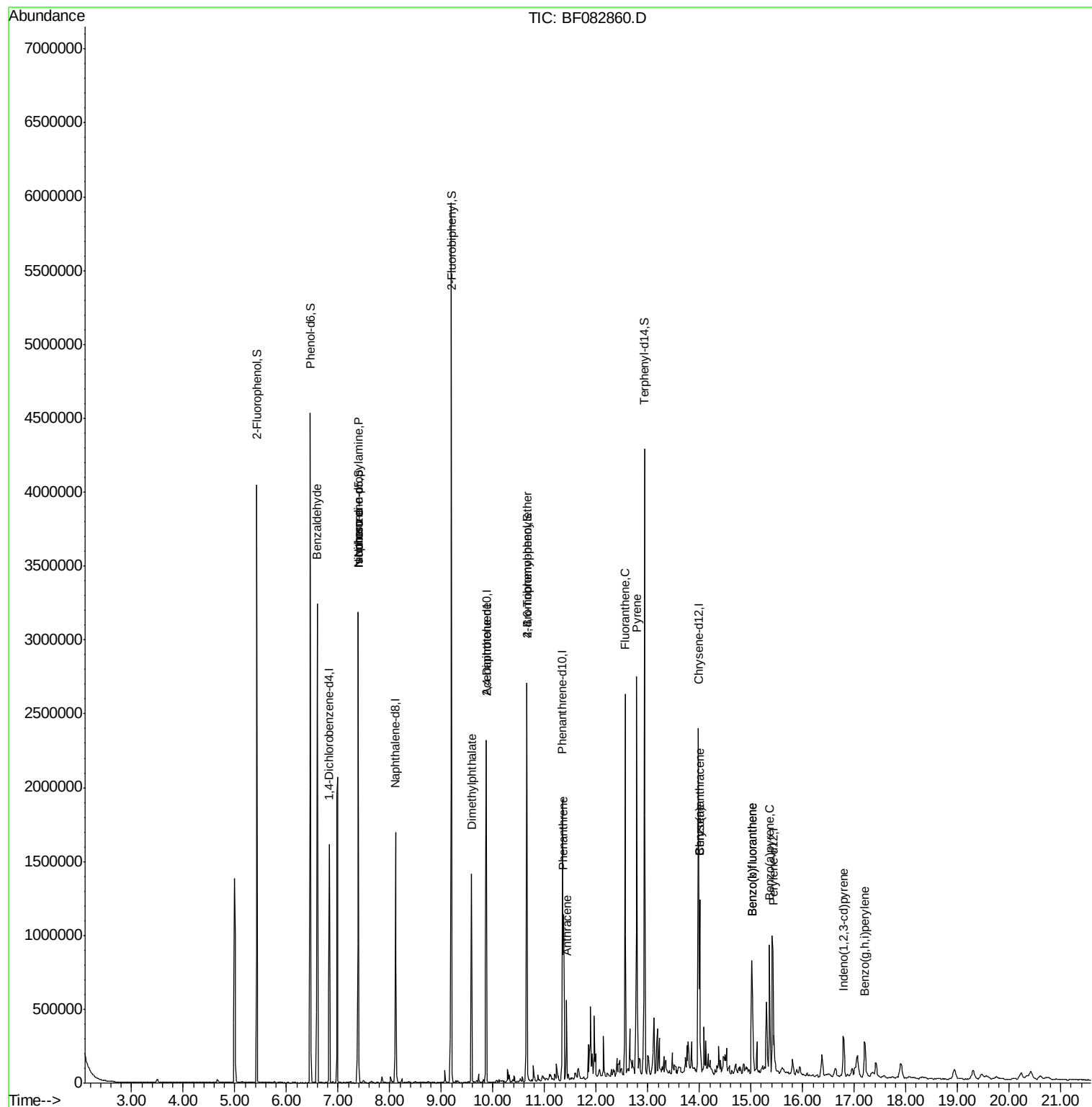
Target Compounds						Qvalue
9) Benzaldehyde	6.59	77	30313	2.50	ng	83
19) n-Nitroso-di-n-propylamine	7.39	70	144844	8.97	ng	# 70
25) Isophorone	7.39	82	1028528	27.43	ng	# 69
49) Dimethylphthalate	9.58	163	491169	12.39	ng	99
56) 2,4-Dinitrotoluene	9.87	165	61417	5.35	ng	# 15
66) 4-Bromophenyl-phenylether	10.66	248	31600	3.42	ng	# 1
70) Phenanthrene	11.37	178	438683	9.84	ng	97
71) Anthracene	11.42	178	235345	5.01	ng	96
74) Fluoranthene	12.56	202	1114576	23.31	ng	97
77) Pyrene	12.79	202	1067386	24.39	ng	98
80) Benzo(a)anthracene	14.01	228	362813	9.10	ng	96
82) Chrysene	14.01	228	362813	9.94	ng	96
85) Indeno(1,2,3-cd)pyrene	16.79	276	212383	6.76	ng	95
87) Benzo(b)fluoranthene	15.01	252	571457	16.98	ng	# 97
88) Benzo(k)fluoranthene	15.01	252	571457	19.15	ng	# 96
89) Benzo(a)pyrene	15.36	252	350602	12.03	ng	# 95
91) Benzo(a,h,i)perylene	17.20	276	210806	8.92	ng	# 94

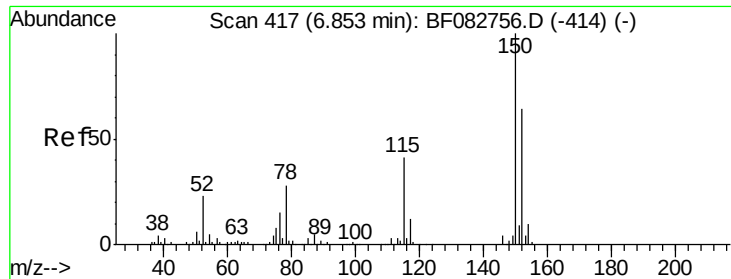
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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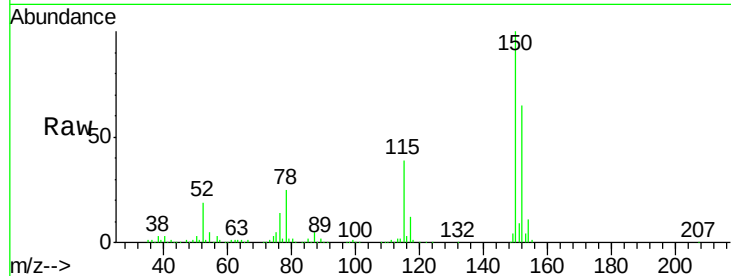


#1

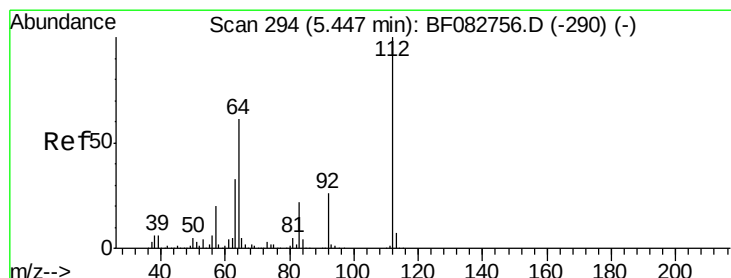
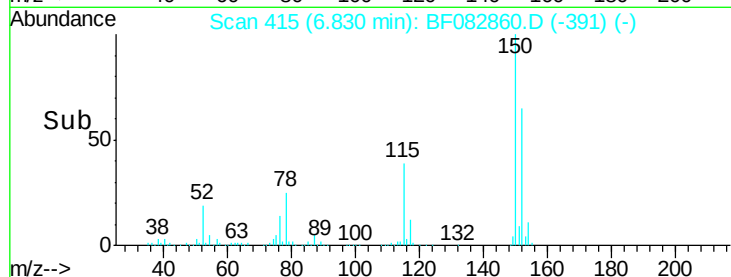
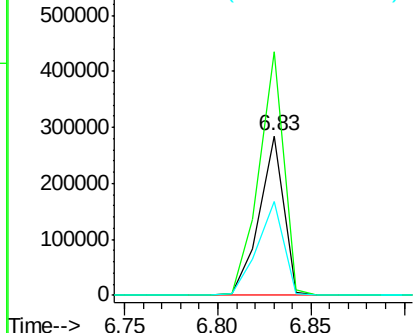
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

Instrument :
BNA_F
ClientSampleId :
T-10C

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	127.0	190.4
115	59.0	47.0	70.6



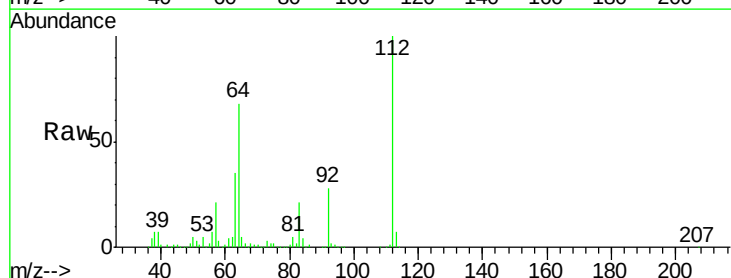
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



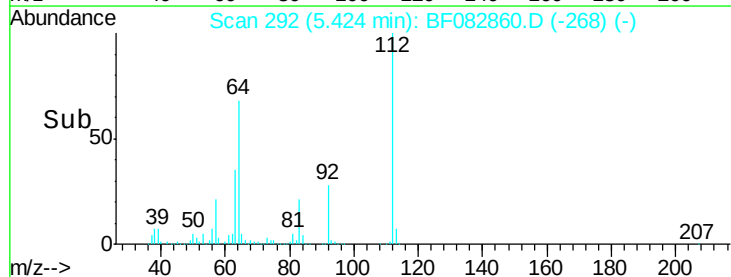
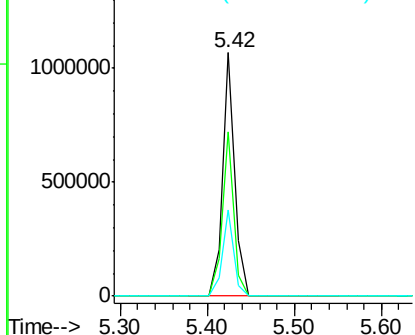
#5

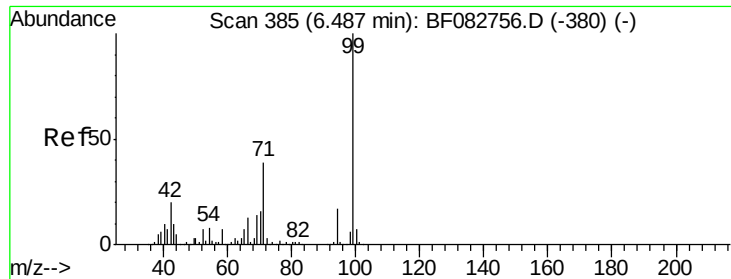
2-Fluorophenol
Concen: 63.50 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	48.9	73.3
63	35.3	28.1	42.1



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: 75.68 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

Instrument :

BNA_F

ClientSampleId :

T-10C

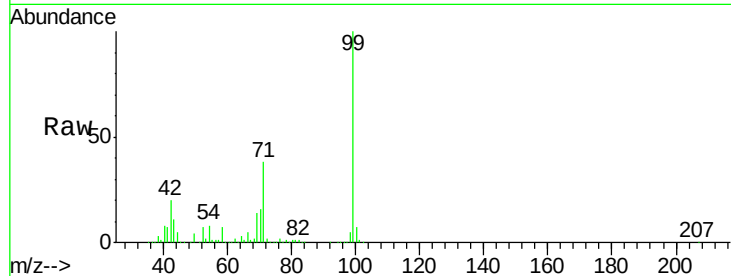
Tot Ion: 99 Resp: 1663269

Ion Ratio Lower Upper

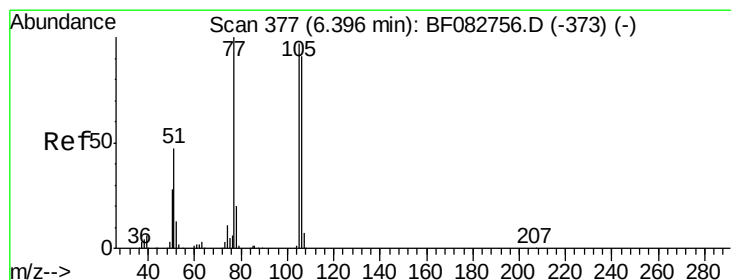
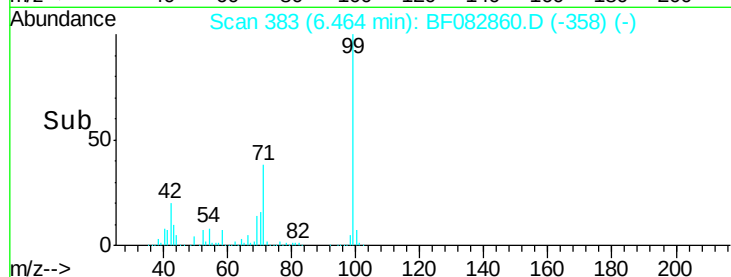
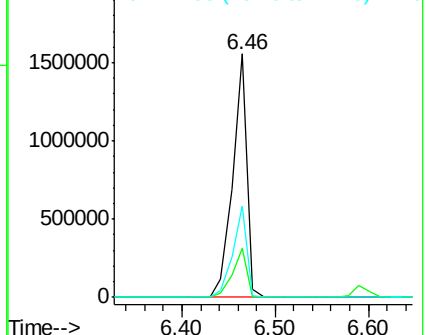
99 100

42 20.0 19.2 28.8

71 37.5 35.0 52.4



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: 2.50 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.20 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

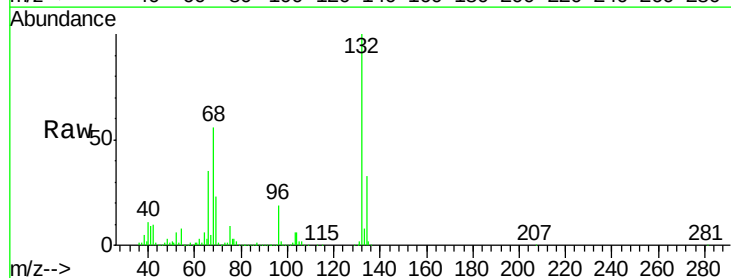
Tgt Ion: 77 Resp: 30313

Ion Ratio Lower Upper

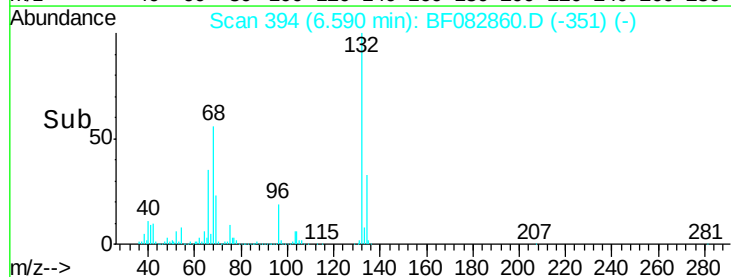
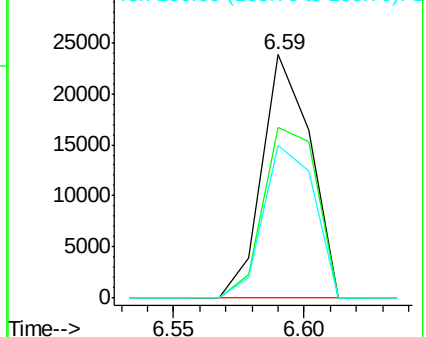
77 100

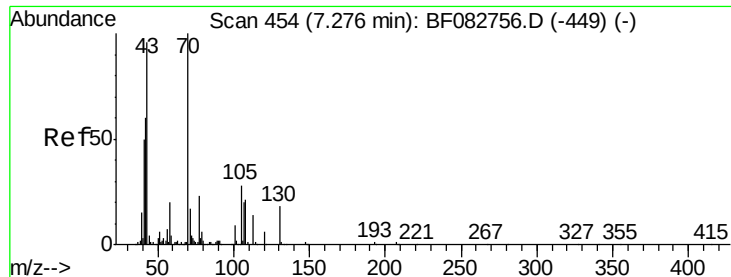
105 70.0 63.5 103.5

106 62.5 59.3 99.3



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

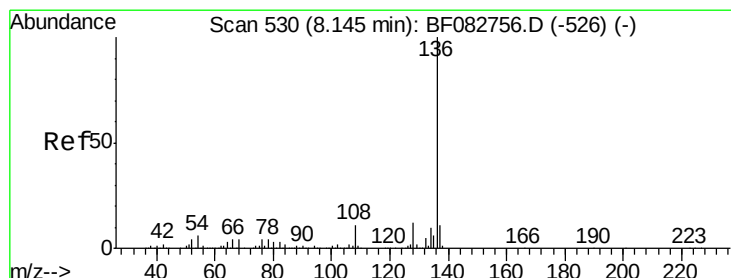
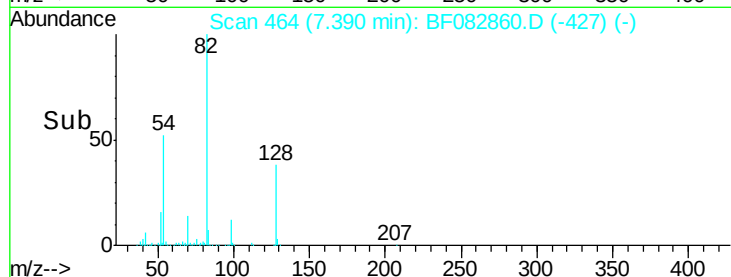
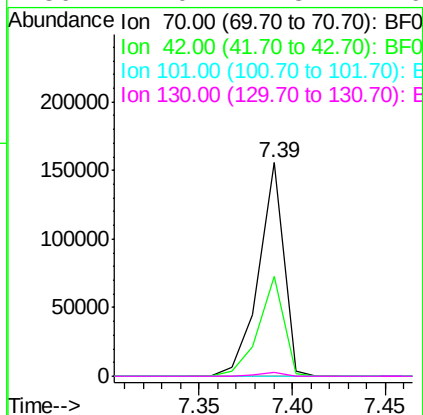
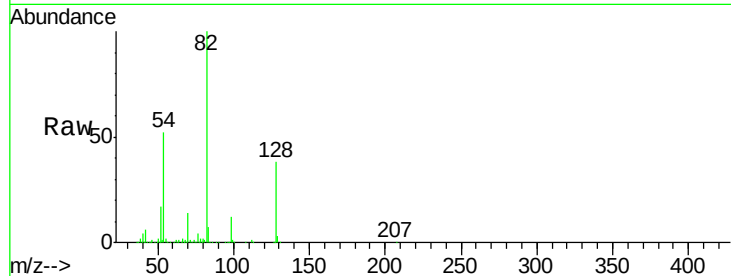




#19
n-Nitroso-di-n-propylamine
Concen: 8.97 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.13 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

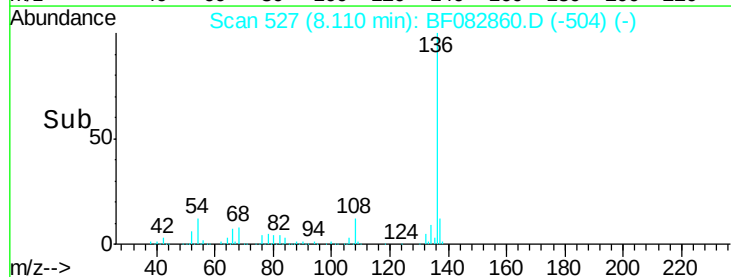
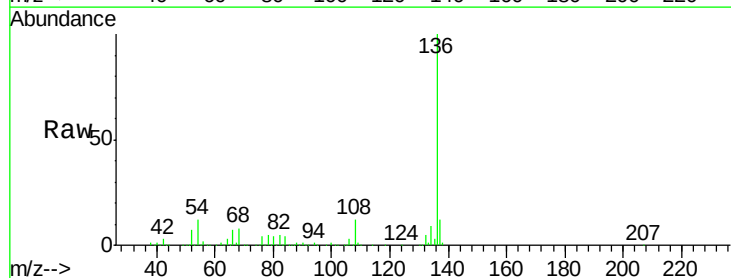
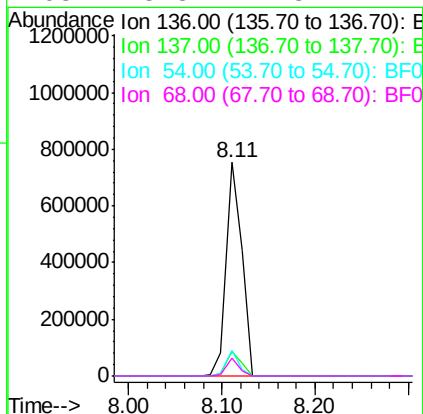
Instrument :
BNA_F
ClientSampleId :
T-10C

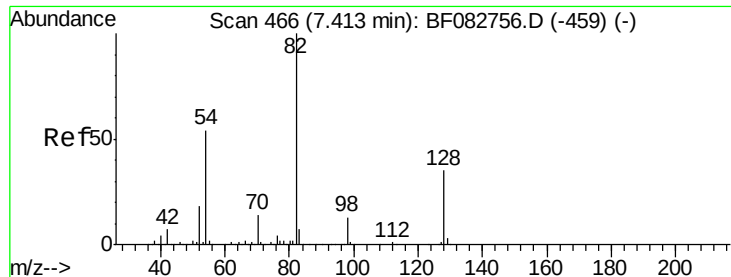
Tot Ion: 70 Resp: 144844
Ion Ratio Lower Upper
70 100
42 46.5 57.7 86.5#
101 0.0 7.0 10.6#
130 2.0 11.8 17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.03 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

Tgt Ion: 136 Resp: 881664
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 11.7 9.1 13.7
68 8.3 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 52.58 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.02 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

Instrument :

BNA_F

ClientSampleId :

T-10C

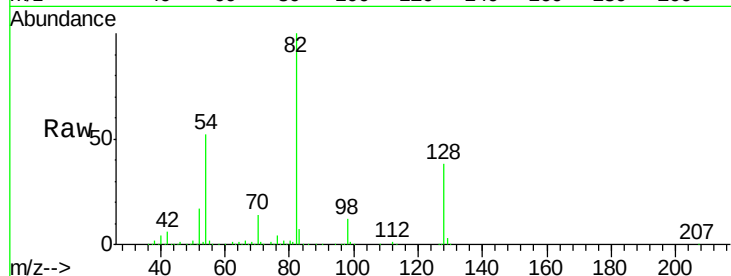
Tot Ion: 82 Resp: 1065390

Ion Ratio Lower Upper

82 100

128 37.8 26.8 40.2

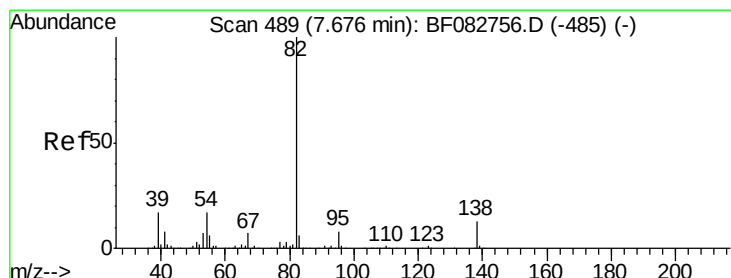
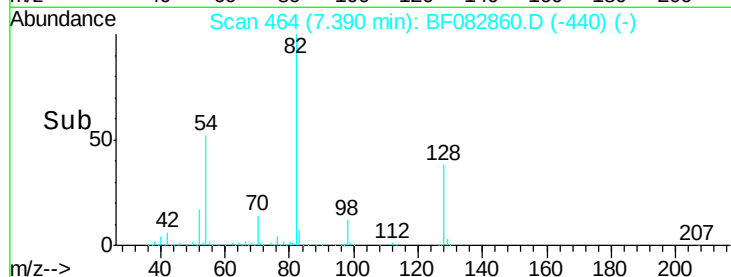
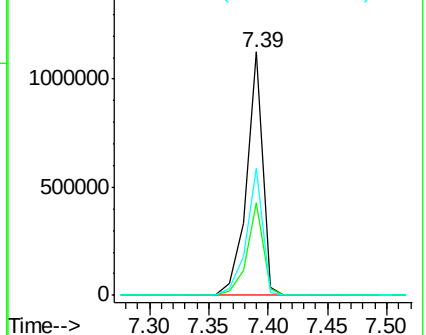
54 52.1 45.7 68.5



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: 27.43 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.29 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

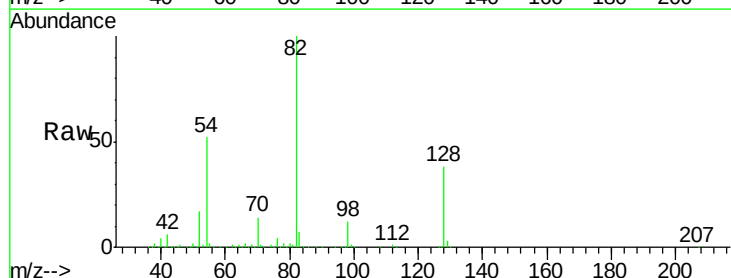
Tgt Ion: 82 Resp: 1028528

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

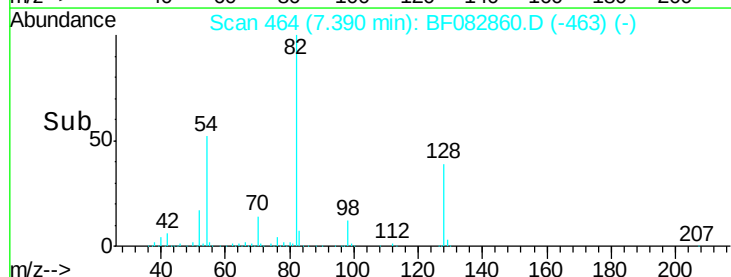
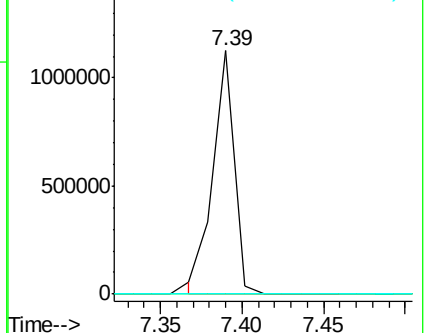
138 0.0 11.4 17.0#

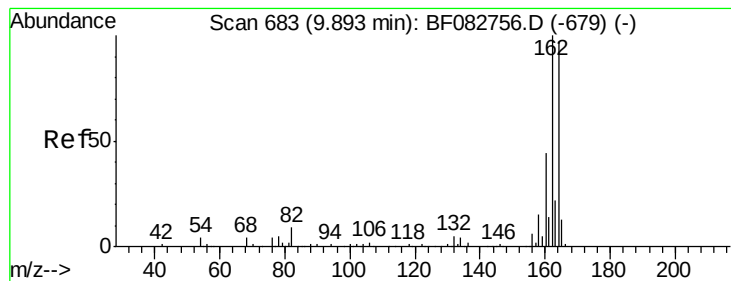


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

Instrument :

BNA_F

ClientSampleId :

T-10C

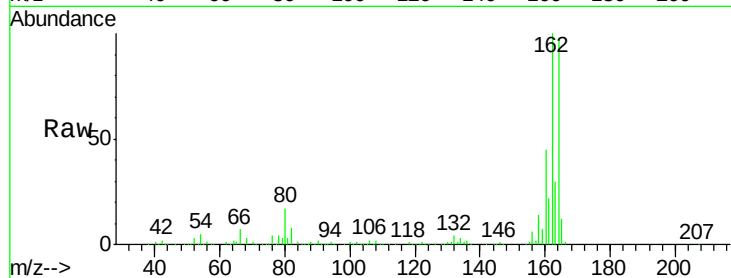
Tot Ion:164 Resp: 483783

Ion Ratio Lower Upper

164 100

162 102.6 84.9 127.3

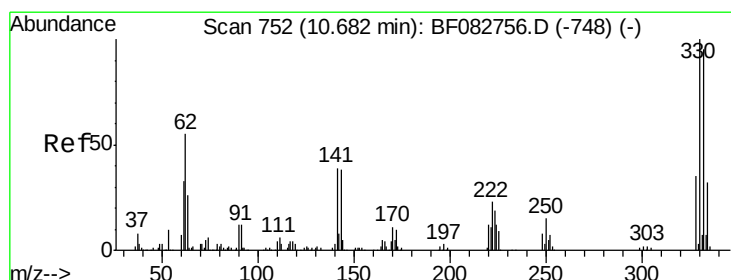
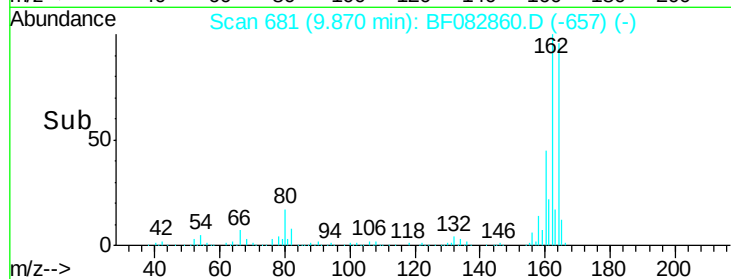
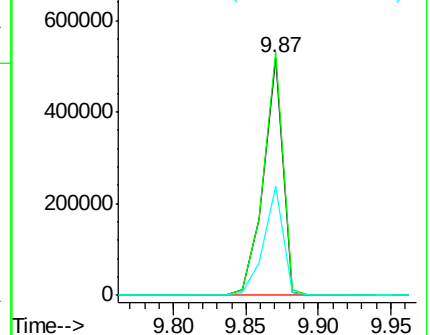
160 45.8 37.5 56.3



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: 81.25 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

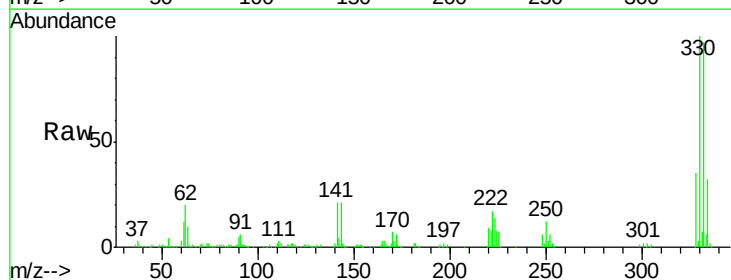
Tgt Ion:330 Resp: 450697

Ion Ratio Lower Upper

330 100

332 97.4 76.6 114.8

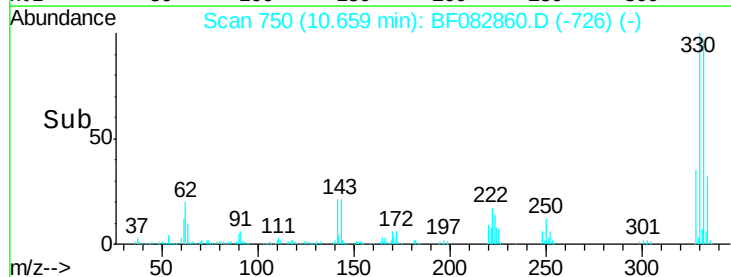
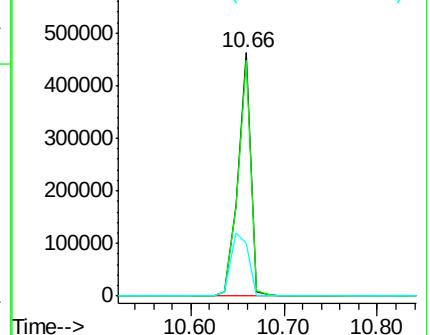
141 35.3 41.2 61.8#

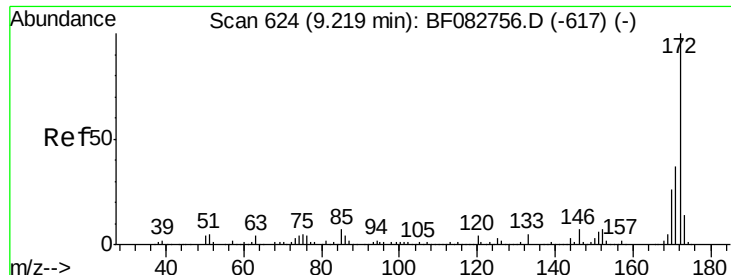


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

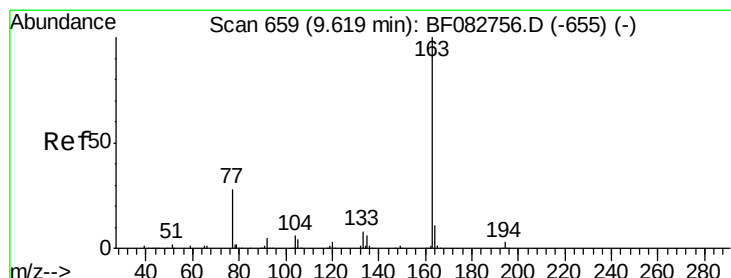
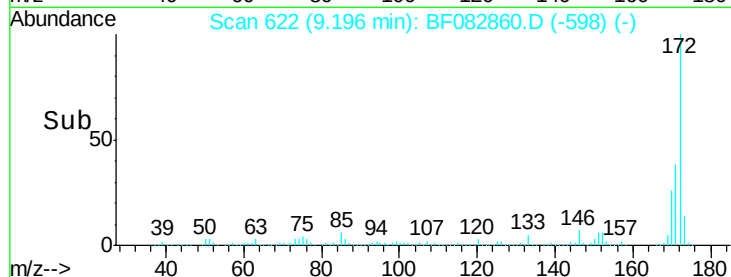
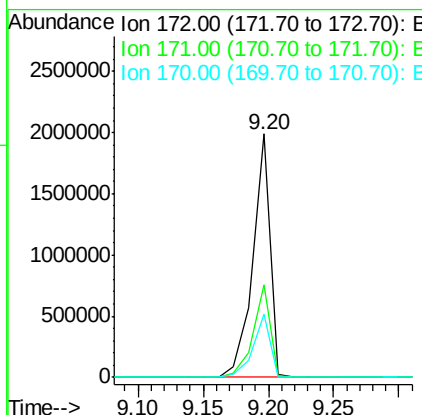
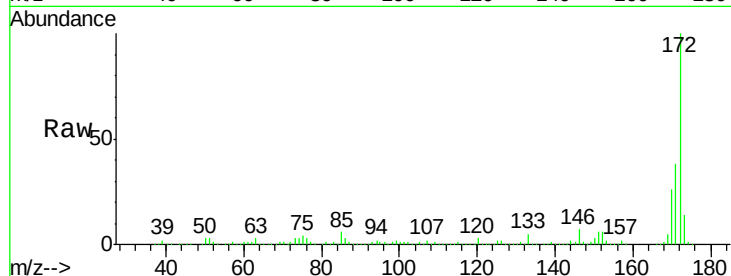




#44
2-Fluorobiphenyl
Concen: 54.44 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

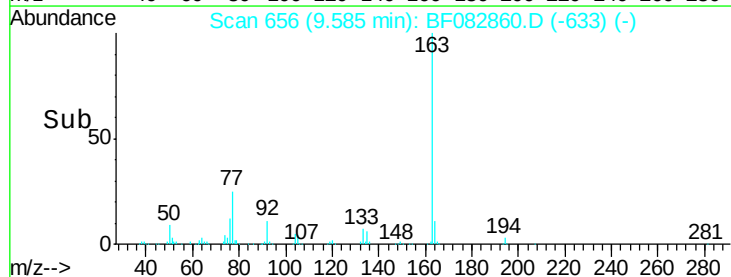
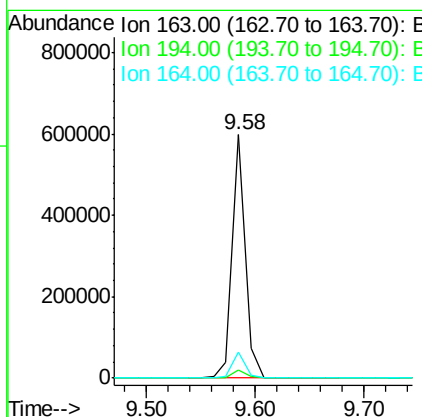
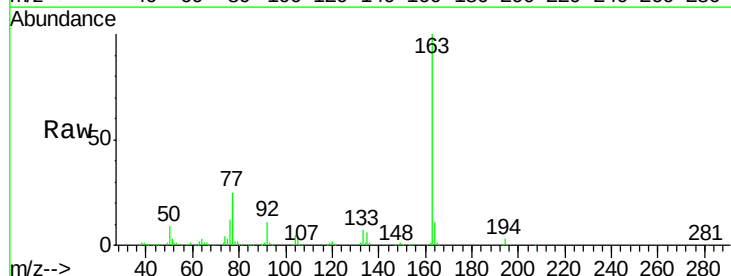
Instrument :
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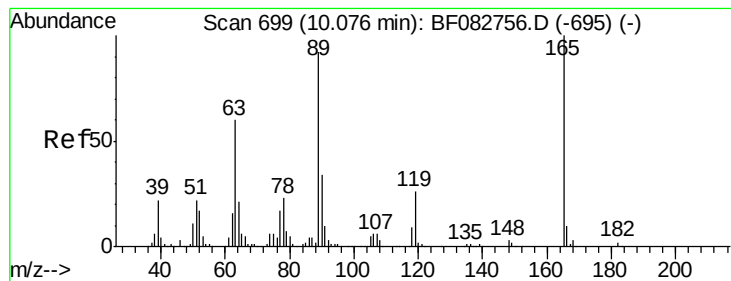
Tot Ion:172 Resp: 1837622
Ion Ratio Lower Upper
172 100
171 38.0 30.8 46.2
170 25.8 21.2 31.8



#49
Dimethylphthalate
Concen: 12.39 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.03 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

Tgt Ion:163 Resp: 491169
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.6 8.7 13.1





#56

2,4-Dinitrotoluene

Concen: 5.35 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.21 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

Instrument :

BNA_F

ClientSampleId :

T-10C

Tot Ion:165 Resp: 61417

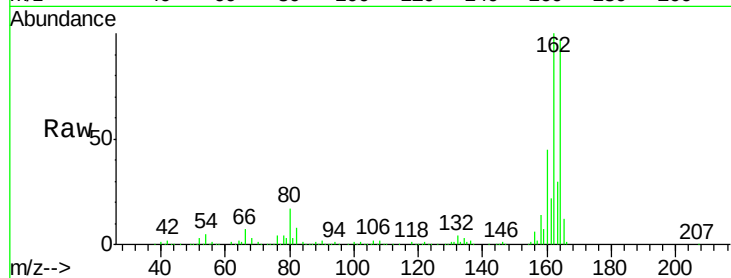
Ion Ratio Lower Upper

165 100

63 1.5 43.4 65.0#

89 1.6 70.6 106.0#

182 0.0 1.5 2.3#

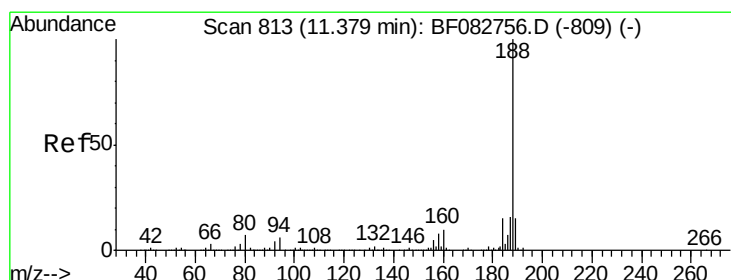
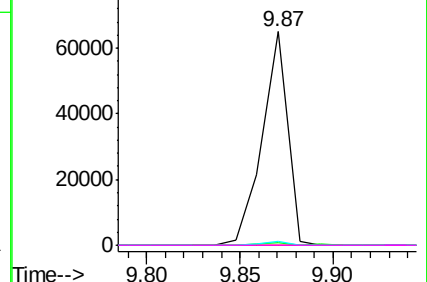
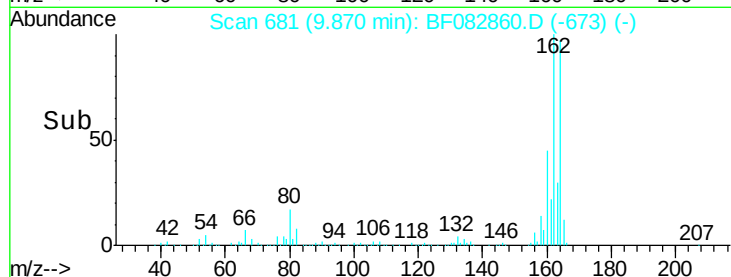


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

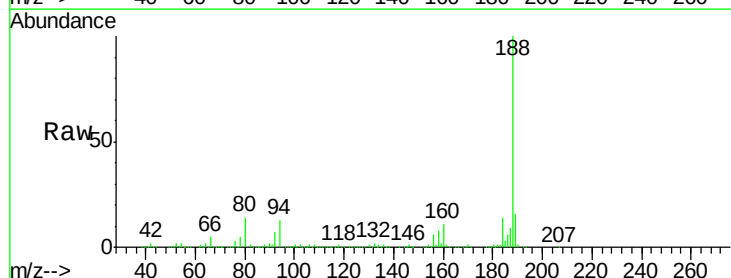
Tgt Ion:188 Resp: 767310

Ion Ratio Lower Upper

188 100

94 13.1 6.1 9.1#

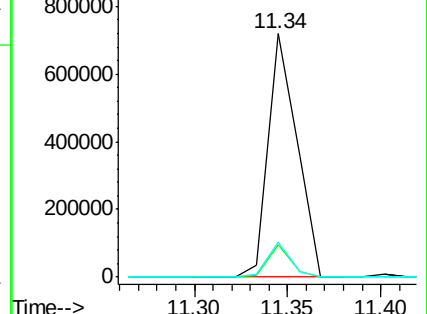
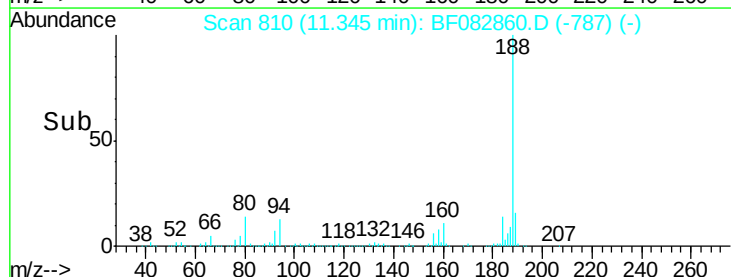
80 14.1 7.0 10.6#

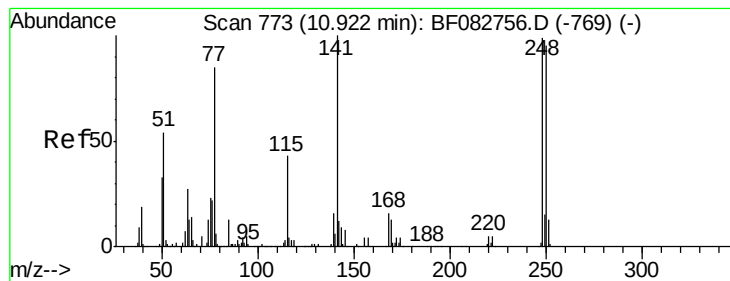


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.42 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.26 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

Instrument :

BNA_F

ClientSampleId :

T-10C

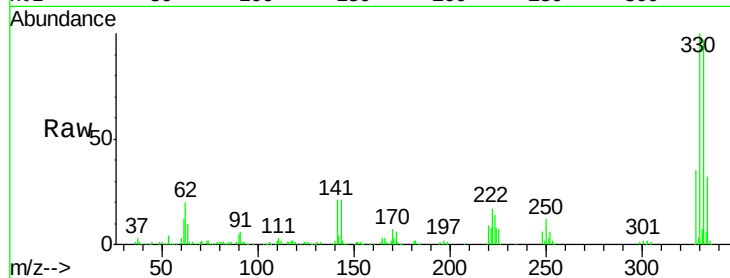
Tot Ion:248 Resp: 31600

Ion Ratio Lower Upper

248 100

250 203.9 79.4 119.2#

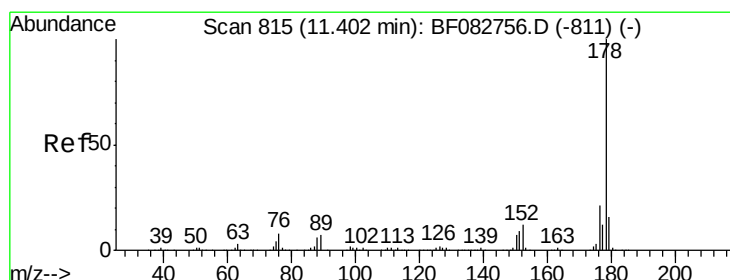
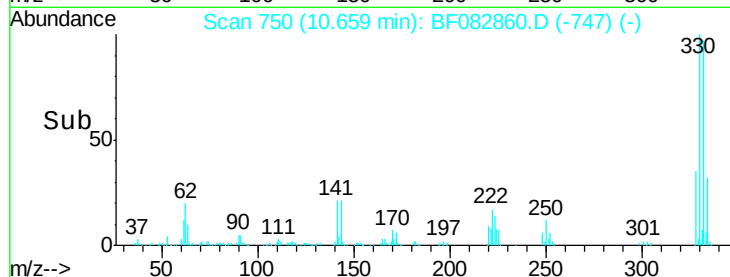
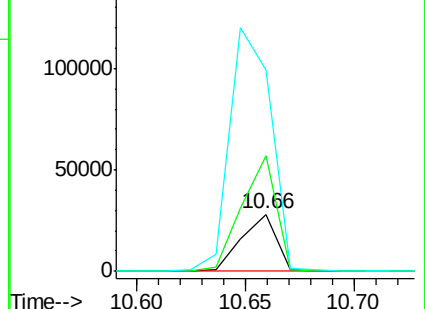
141 353.7 36.3 54.5#



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



#70

Phenanthrene

Concen: 9.84 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

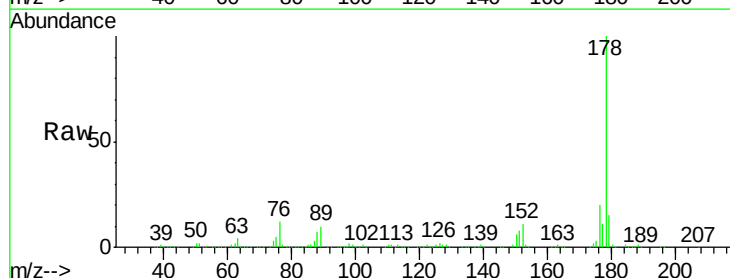
Tgt Ion:178 Resp: 438683

Ion Ratio Lower Upper

178 100

176 19.8 17.0 25.4

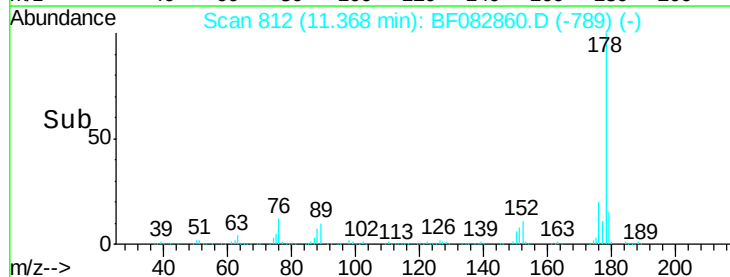
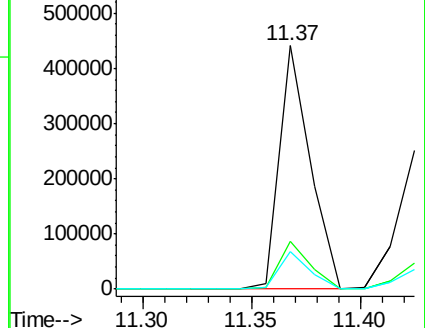
179 15.3 13.4 20.0

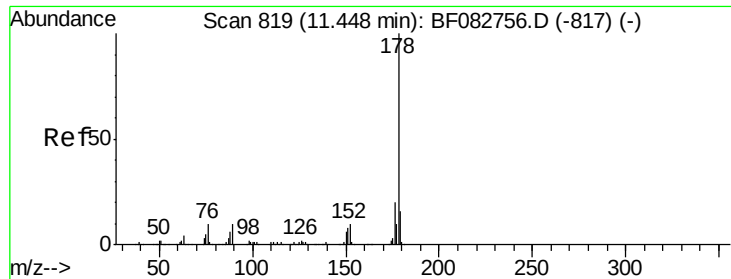


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

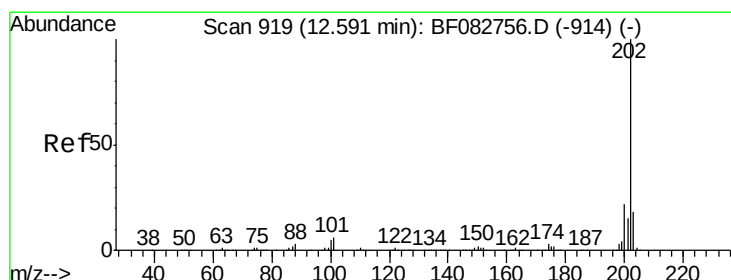
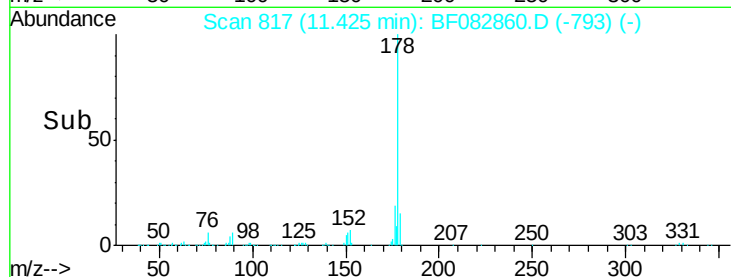
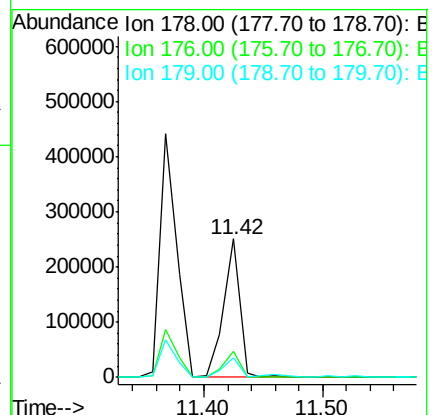
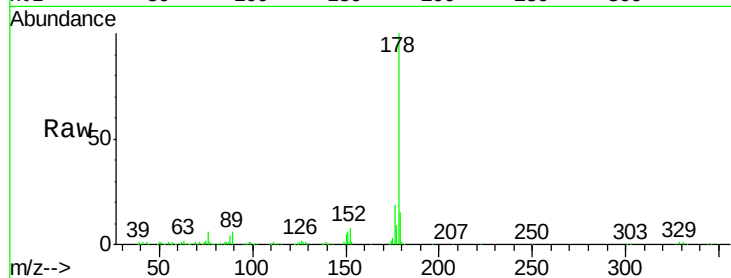




#71
 Anthracene
 Concen: 5.01 ng
 RT: 11.42 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BF082860.D
 Acq: 10 Nov 2015 8:08

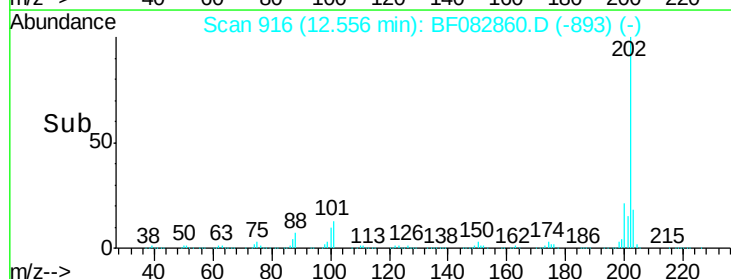
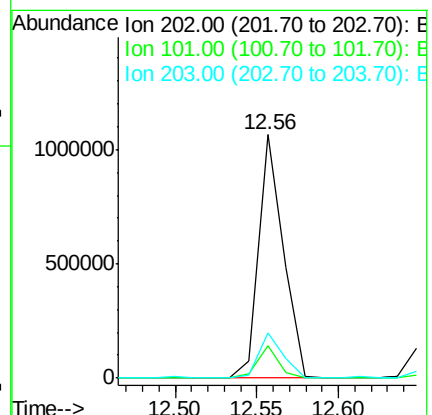
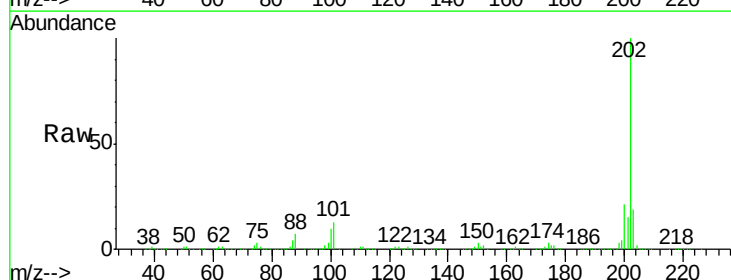
Instrument :
 BNA_F
 ClientSampleId :
 T-10C

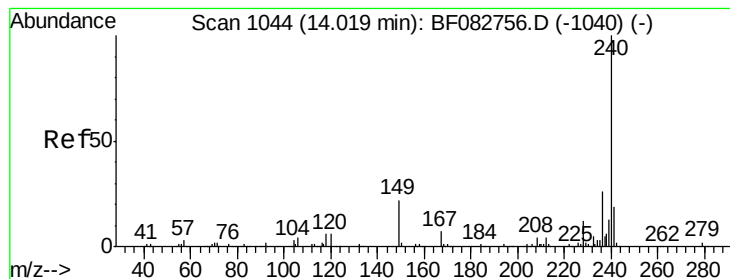
Tot Ion:178 Resp: 235345
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.5 24.7
 179 14.7 13.2 19.8



#74
 Fluoranthene
 Concen: 23.31 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF082860.D
 Acq: 10 Nov 2015 8:08

Tgt Ion:202 Resp: 1114576
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 30.5
 203 18.5 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

Instrument :

BNA_F

ClientSampleId :

T-10C

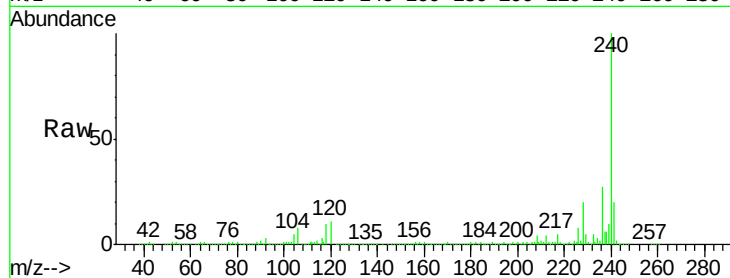
Tot Ion:240 Resp: 637228

Ion Ratio Lower Upper

240 100

120 10.7 10.9 16.3#

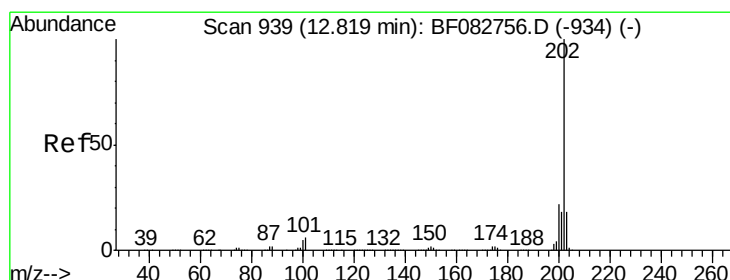
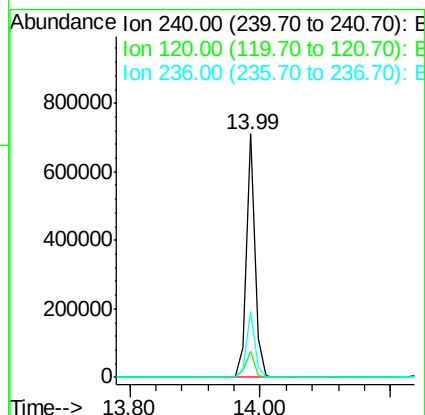
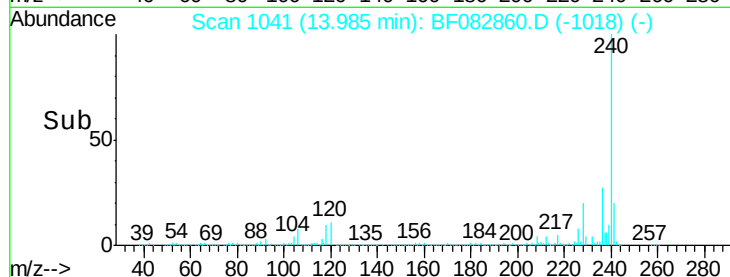
236 26.8 21.6 32.4



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: 24.39 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

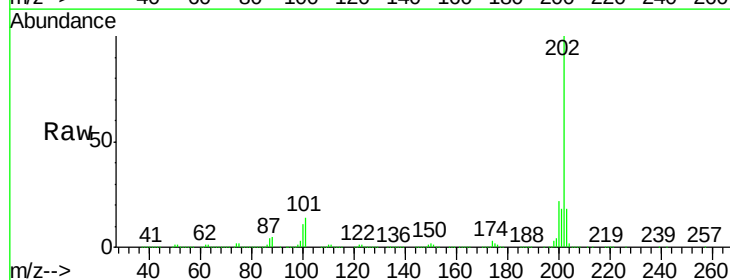
Tgt Ion:202 Resp: 1067386

Ion Ratio Lower Upper

202 100

200 22.1 18.7 28.1

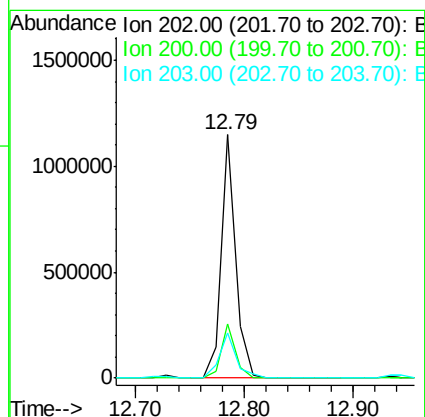
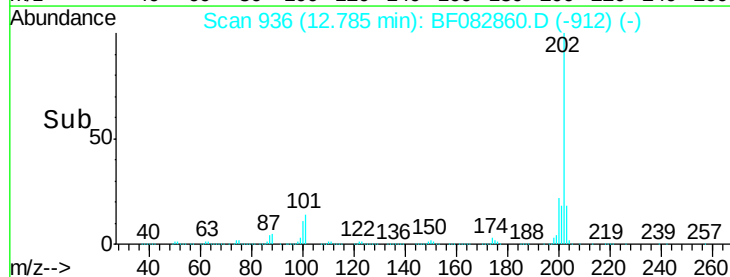
203 18.4 14.8 22.2

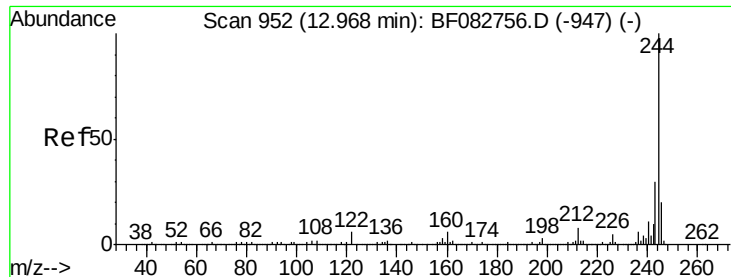


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

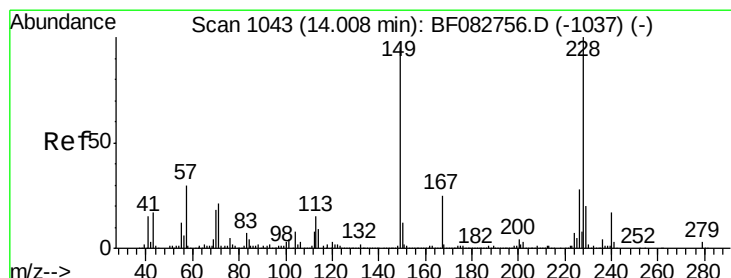
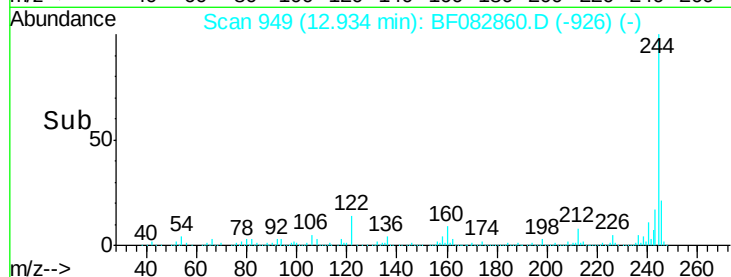
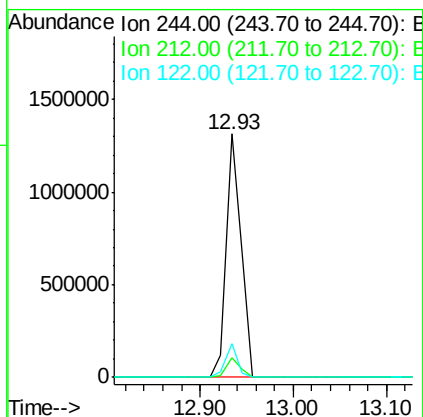
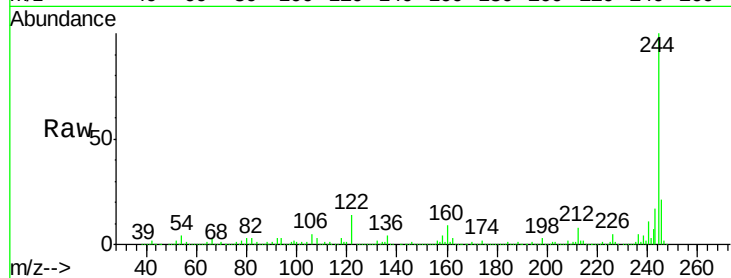




#78
 Terphenyl-d14
 Concen: 53.92 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.03 min
 Lab File: BF082860.D
 Acq: 10 Nov 2015 8:08

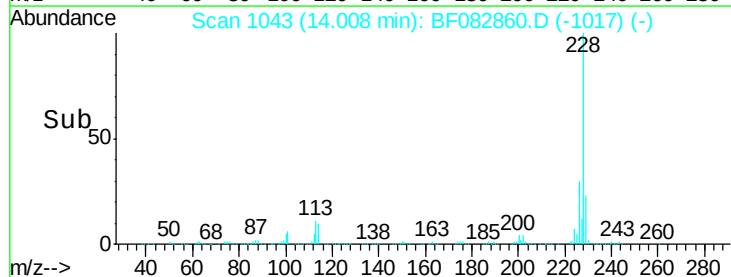
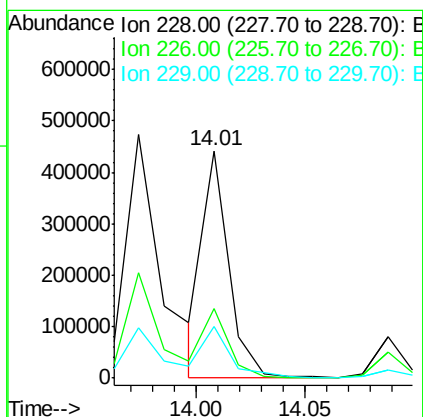
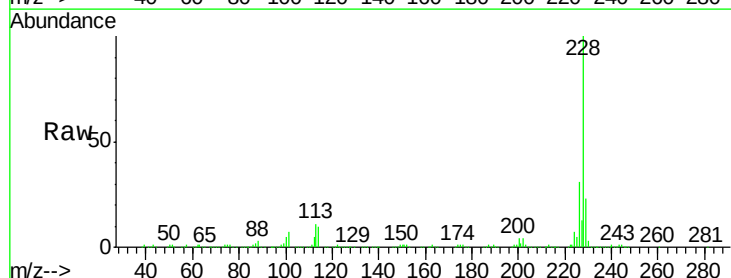
Instrument :
 BNA_F
 ClientSampleId :
 T-10C

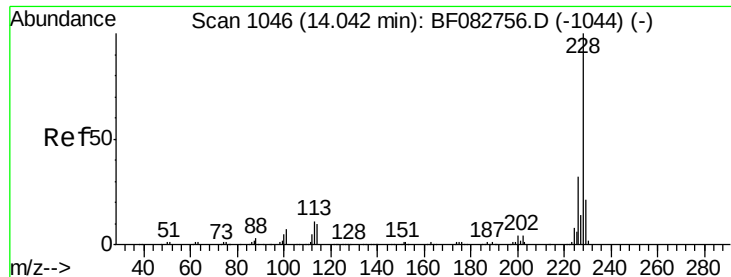
Tot Ion:244 Resp: 1448565
 Ion Ratio Lower Upper
 244 100
 212 8.2 7.6 11.4
 122 13.8 11.3 16.9



#80
 Benzo(a)anthracene
 Concen: 9.10 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BF082860.D
 Acq: 10 Nov 2015 8:08

Tgt Ion:228 Resp: 362813
 Ion Ratio Lower Upper
 228 100
 226 30.6 23.4 35.2
 229 23.0 16.3 24.5





#82

Chrysene

Concen: 9.94 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

Instrument :

BNA_F

ClientSampleId :

T-10C

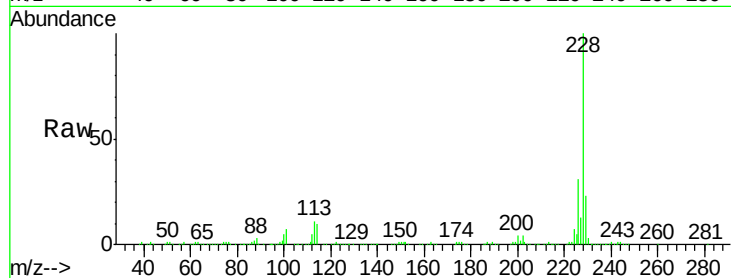
Tot Ion:228 Resp: 362813

Ion Ratio Lower Upper

228 100

226 30.6 25.5 38.3

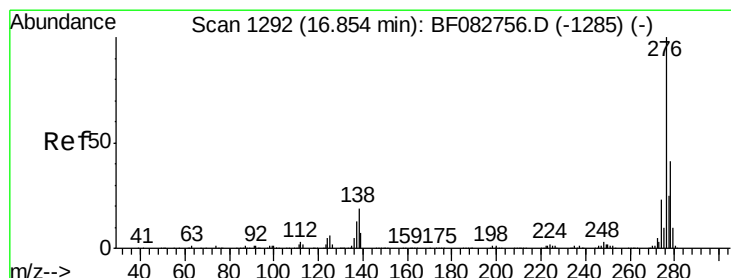
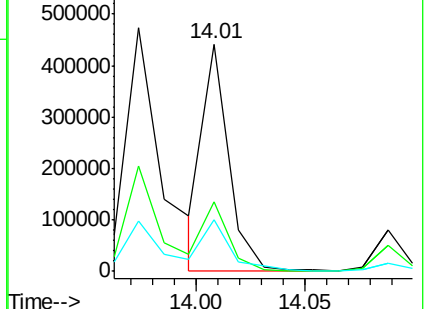
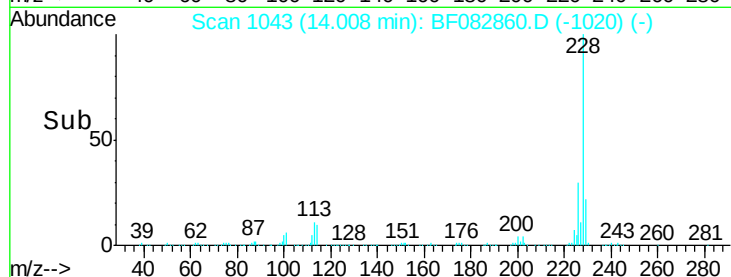
229 23.0 16.3 24.5



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: 6.76 ng

RT: 16.79 min Scan# 1286

Delta R.T. -0.07 min

Lab File: BF082860.D

Acq: 10 Nov 2015 8:08

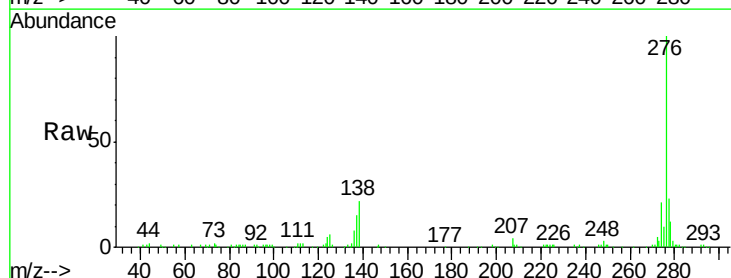
Tgt Ion:276 Resp: 212383

Ion Ratio Lower Upper

276 100

138 21.8 15.3 22.9

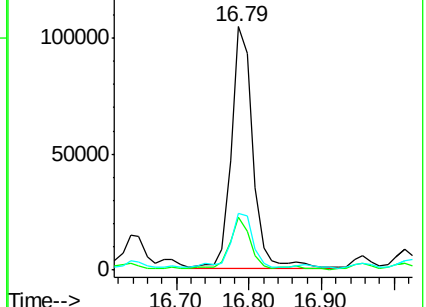
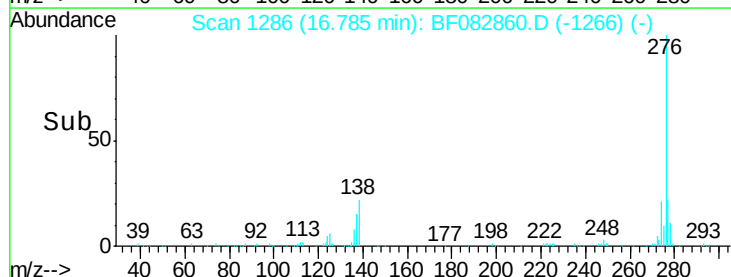
277 23.4 20.2 30.4

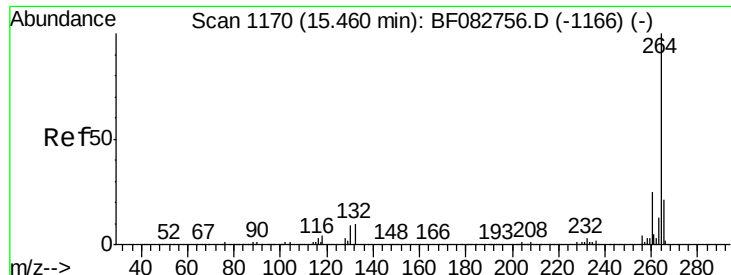


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

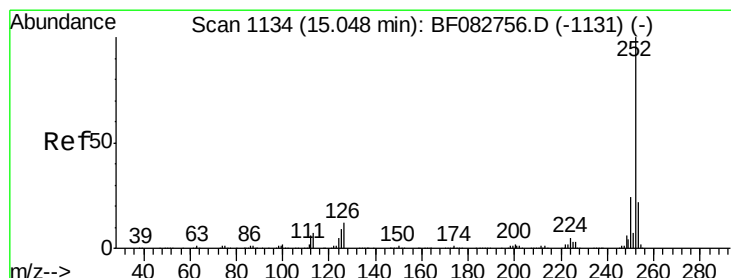
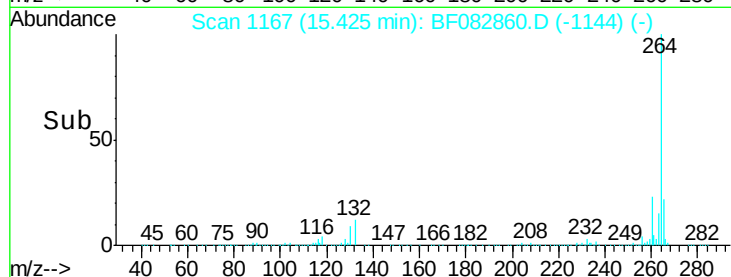
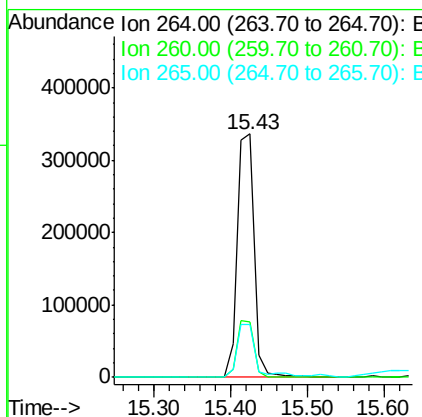
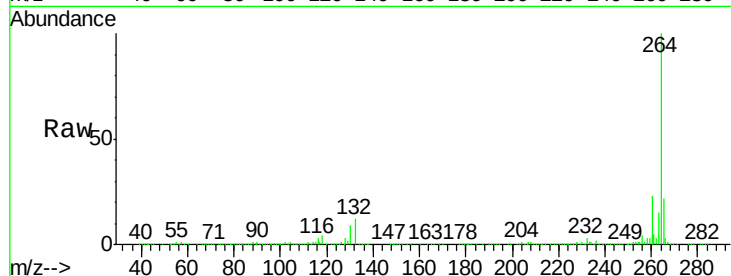




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

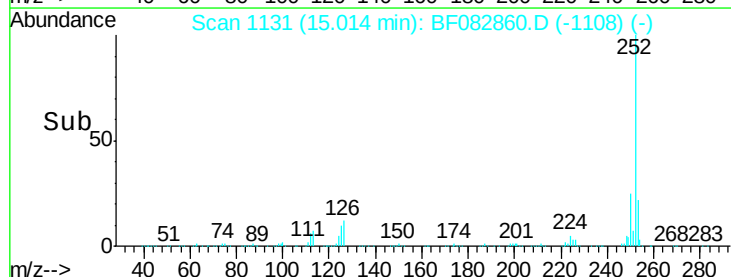
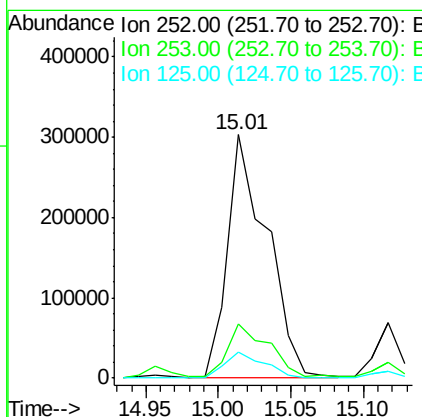
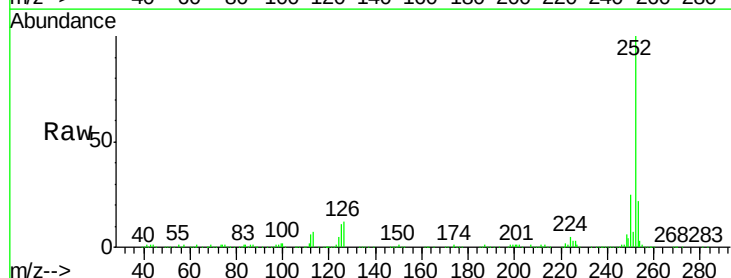
Instrument :
BNA_F
ClientSampleId :
T-10C

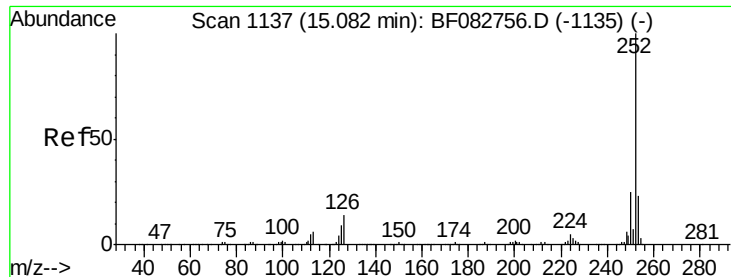
Tot Ion:264 Resp: 524153
Ion Ratio Lower Upper
264 100
260 22.9 19.8 29.6
265 21.8 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 16.98 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.03 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

Tgt Ion:252 Resp: 571457
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 10.6 5.4 8.2#

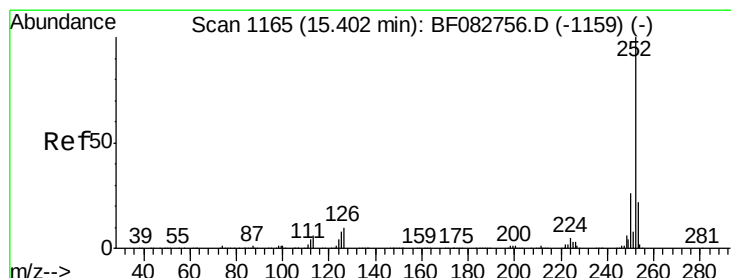
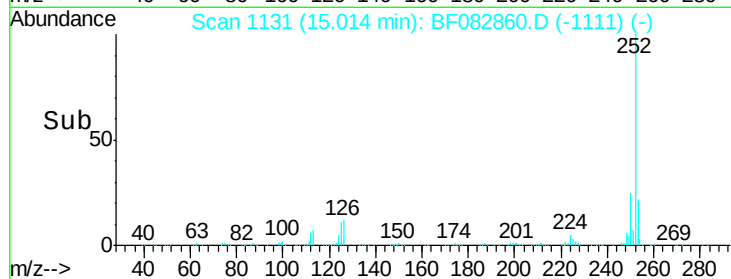
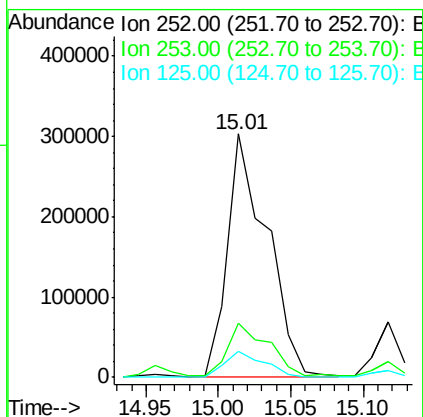
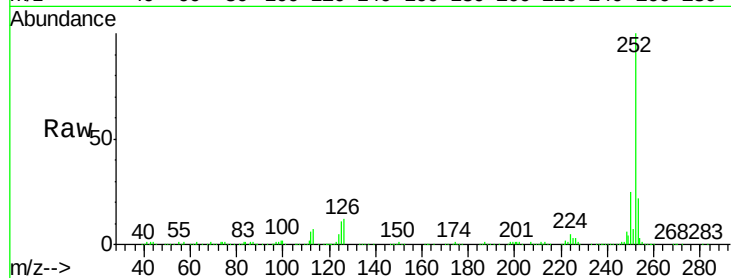




#88
Benzo(k)fluoranthene
Concen: 19.15 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.07 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

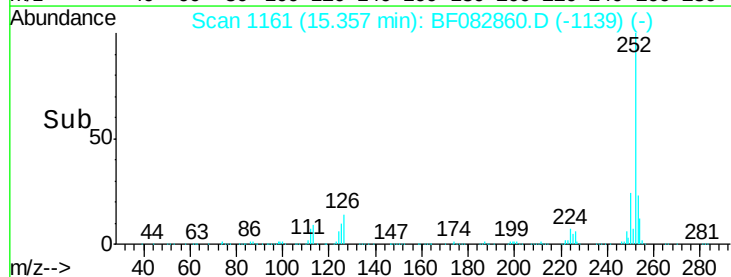
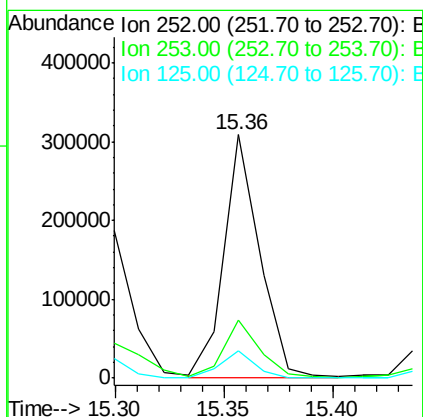
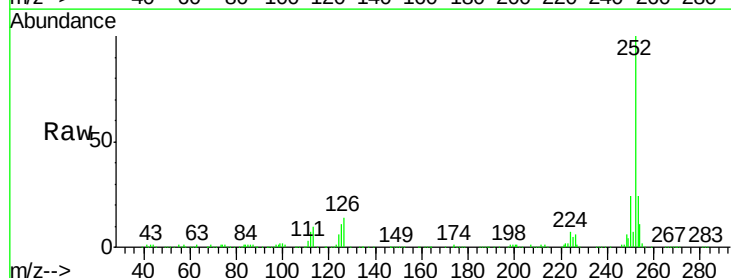
Instrument :
BNA_F
ClientSampleId :
T-10C

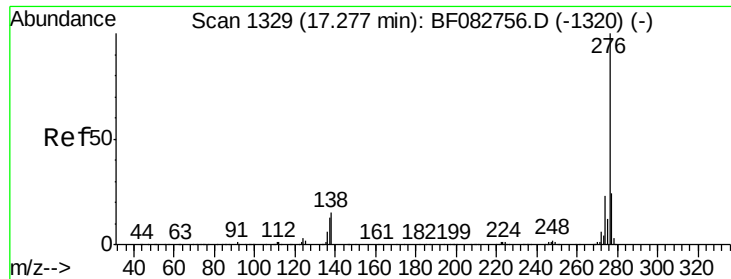
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	10.6	3.5	5.3#



#89
Benzo(a)pyrene
Concen: 12.03 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.05 min
Lab File: BF082860.D
Acq: 10 Nov 2015 8:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	11.0	7.1	10.7#

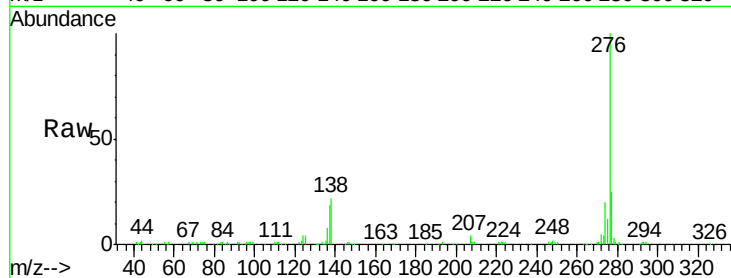




#91
 Benzo(a,h,i)perylene
 Concen: 8.92 ng
 RT: 17.20 min Scan# 1322
 Delta R.T. -0.07 min
 Lab File: BF082860.D
 Acq: 10 Nov 2015 8:08

Instrument :
 BNA_F
 ClientSampleId :
 T-10C

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	21.9	13.1	19.7



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

