

Data Path : S:\HPCHEM1\BNA_F\DATA\BF080415\
 Data File : BF080873.D
 Acq On : 5 Aug 2015 10:08
 Operator : TP/UM
 Sample : G3119-01RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BB-026CS-1(0-16FTBGS)RE

Quant Time: Aug 05 14:21:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 05 01:46:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	68197	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	225462	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	89880	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	148757	20.00	ng	0.00
75) Chrysene-d12	13.96	240	142536	20.00	ng	0.00
86) Perylene-d12	15.38	264	182644	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	572018	126.95	ng	0.01
7) Phenol-d6	6.46	99	779364	132.31	ng	0.01
23) Nitrobenzene-d5	7.39	82	483059	100.97	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	100032	115.41	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	595359	89.19	ng	0.00
78) Terphenyl-d14	12.92	244	369593	46.93	ng	0.00

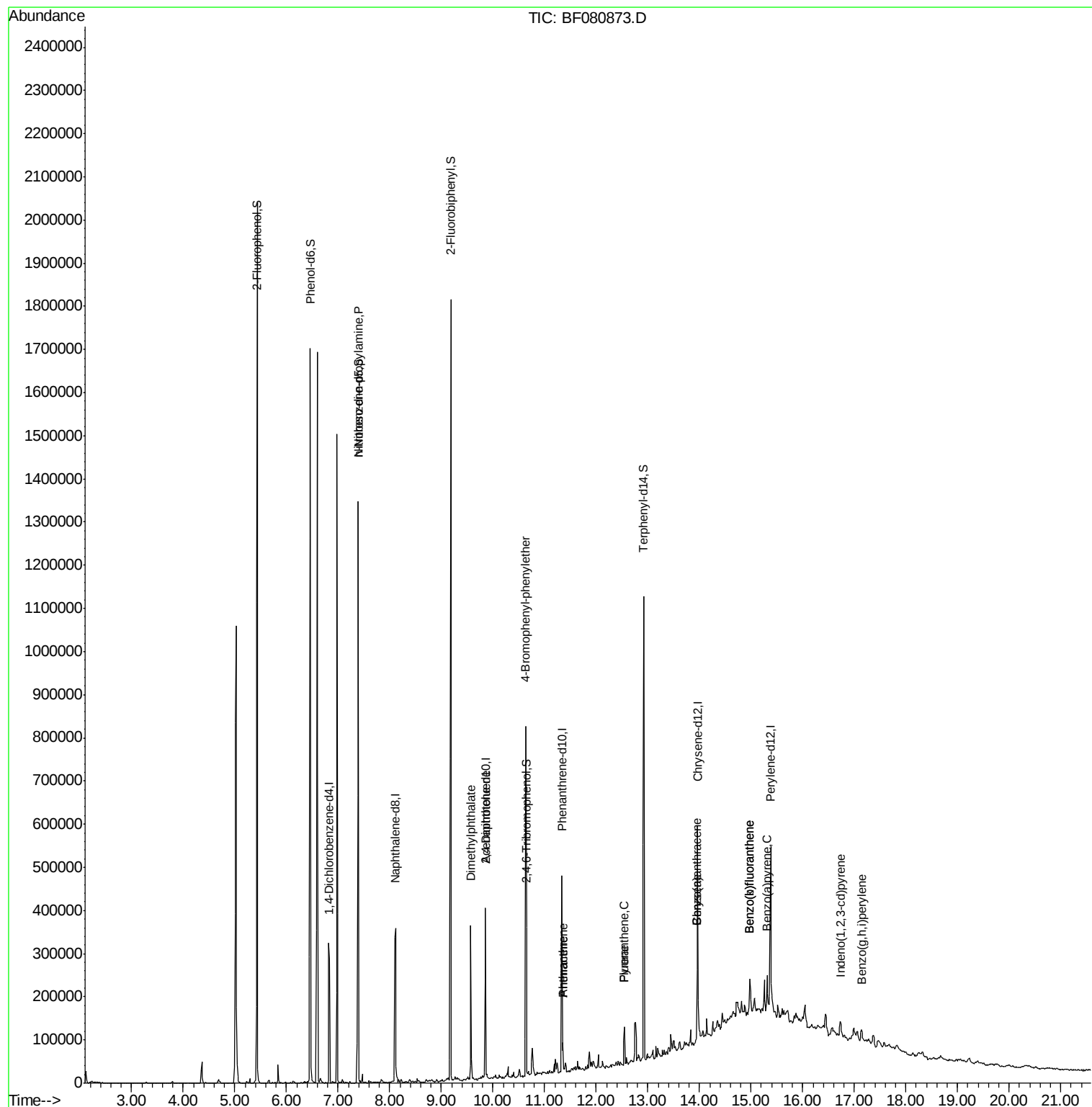
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	66043	17.36	ng	# 72
49) Dimethylphthalate	9.57	163	120689	18.41	ng	99
56) 2,4-Dinitrotoluene	9.86	165	12054	6.96	ng	# 13
66) 4-Bromophenyl-phenylether	10.64	248	6280	3.81	ng	# 1
70) Phenanthrene	11.36	178	21920	2.55	ng	98
71) Anthracene	11.36	178	21920	2.62	ng	98
74) Fluoranthene	12.55	202	41862	5.00	ng	96
77) Pyrene	12.55	202	41862	3.27	ng	99
80) Benzo(a)anthracene	13.95	228	32865	3.45	ng	93
82) Chrysene	13.95	228	32865	3.38	ng	95
85) Indeno(1,2,3-cd)pyrene	16.73	276	20924	2.62	ng	# 80
87) Benzo(b)fluoranthene	14.97	252	62773	4.59	ng	# 92
88) Benzo(k)fluoranthene	14.97	252	62077	5.90	ng	# 89
89) Benzo(a)pyrene	15.31	252	37961	3.40	ng	# 93
91) Benzo(g,h,i)perylene	17.14	276	22998	2.46	ng	93

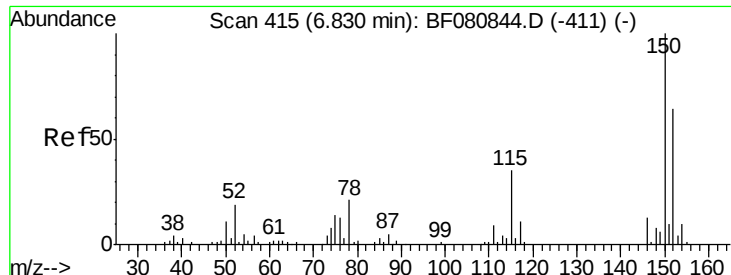
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF080873.D

Acq: 5 Aug 2015 10:08

Instrument :

BNA_F

ClientSampleId :

BB-026CS-1(0-16FTBGS)RE

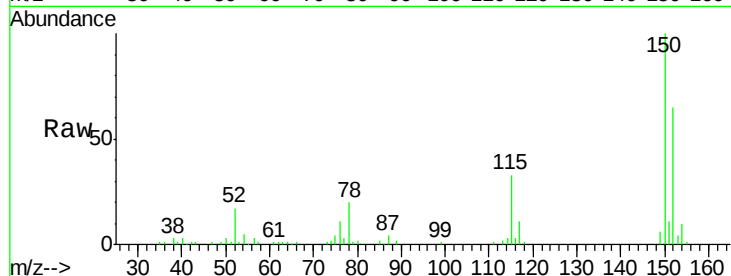
Tgt Ion:152 Resp: 68197

Ion Ratio Lower Upper

152 100

150 153.5 124.6 187.0

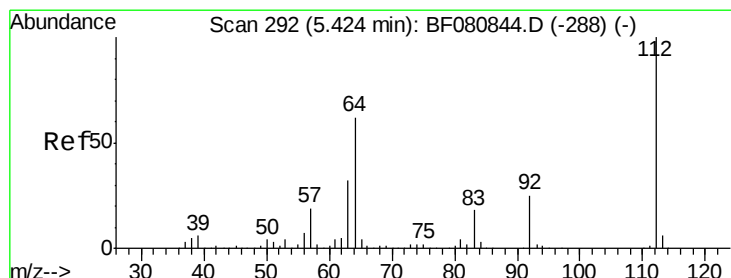
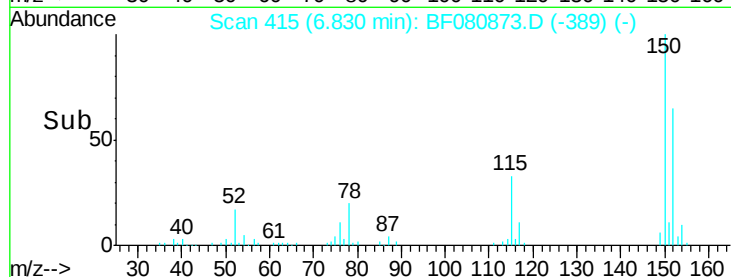
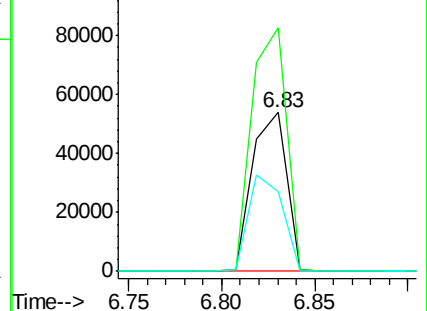
115 50.6 44.2 66.4



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: 126.95 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF080873.D

Acq: 5 Aug 2015 10:08

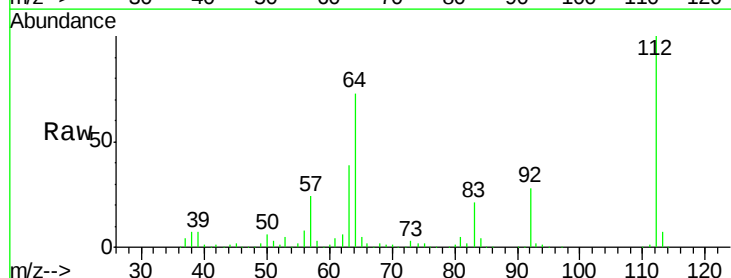
Tgt Ion:112 Resp: 572018

Ion Ratio Lower Upper

112 100

64 73.1 49.5 74.3

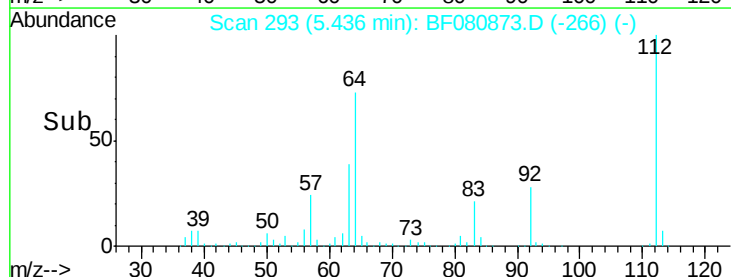
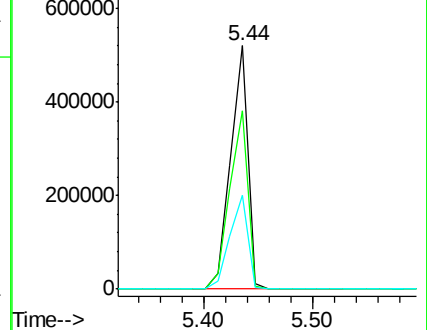
63 38.6 25.3 37.9#

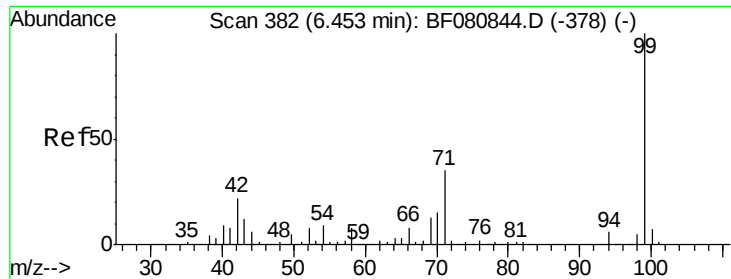


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.31 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF080873.D

Acq: 5 Aug 2015 10:08

Instrument :

BNA_F

ClientSampleId :

BB-026CS-1(0-16FTBGS)RE

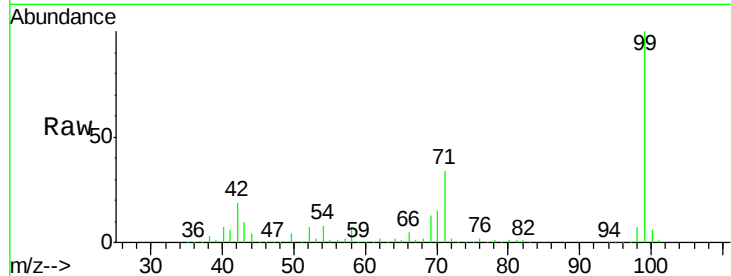
Tgt Ion: 99 Resp: 779364

Ion Ratio Lower Upper

99 100

42 18.7 17.9 26.9

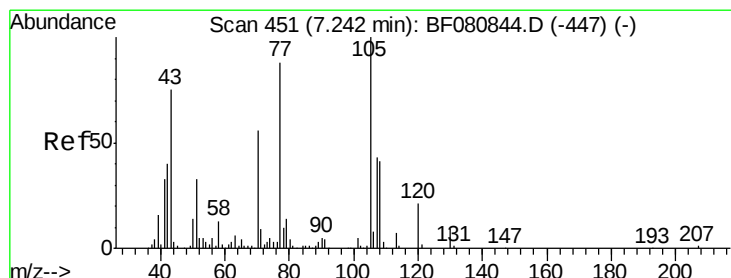
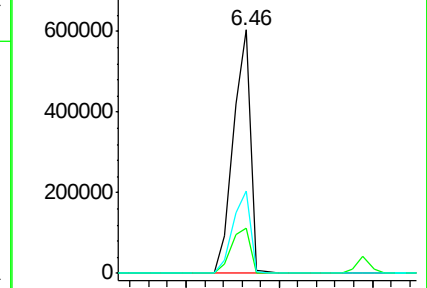
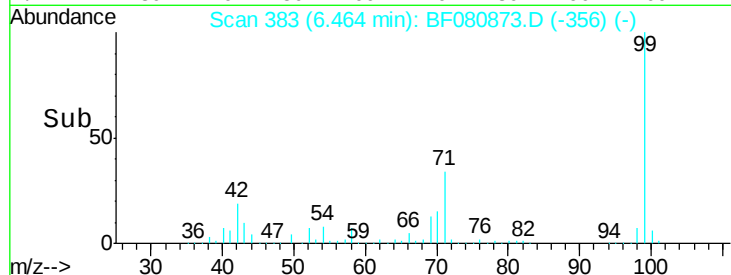
71 33.6 28.2 42.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.36 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF080873.D

Acq: 5 Aug 2015 10:08

Tgt Ion: 70 Resp: 66043

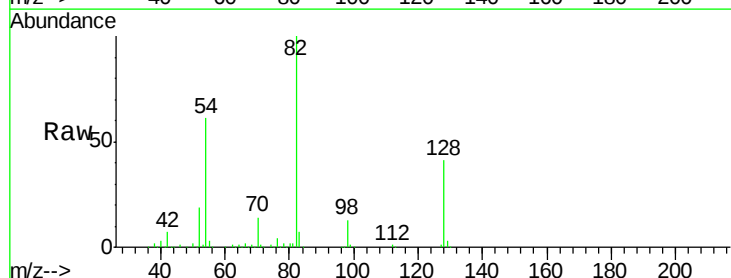
Ion Ratio Lower Upper

70 100

42 49.7 57.8 86.8#

101 0.0 6.7 10.1#

130 1.7 12.6 19.0#

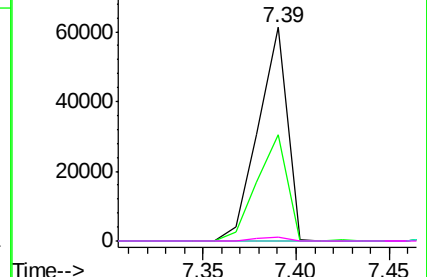
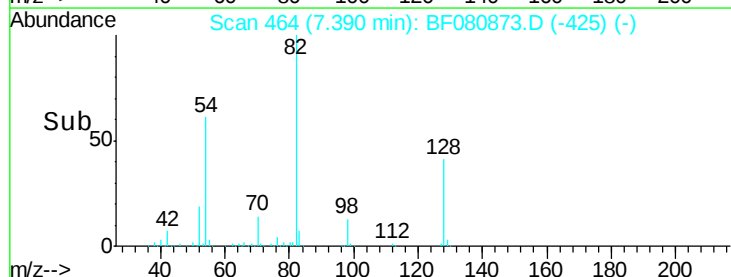


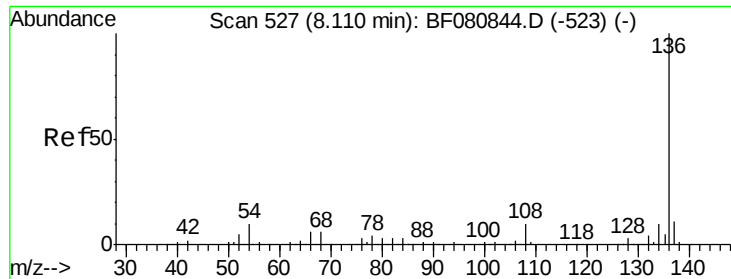
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

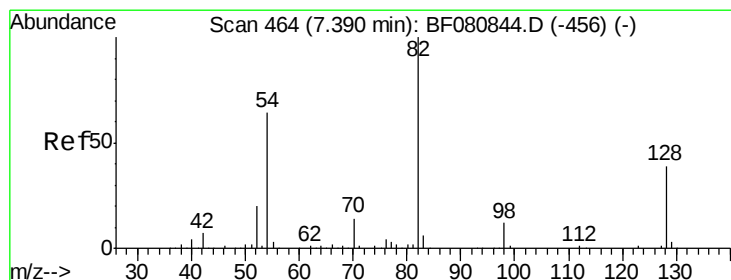
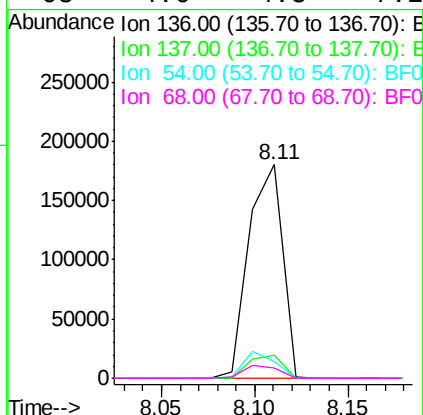
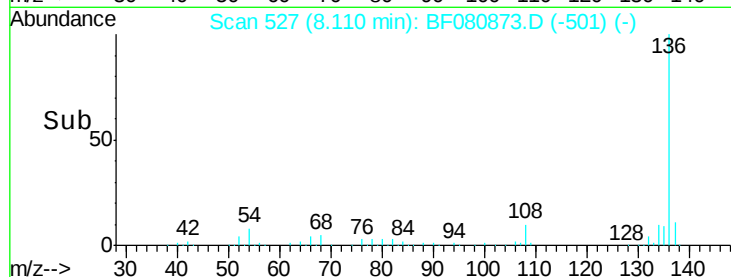
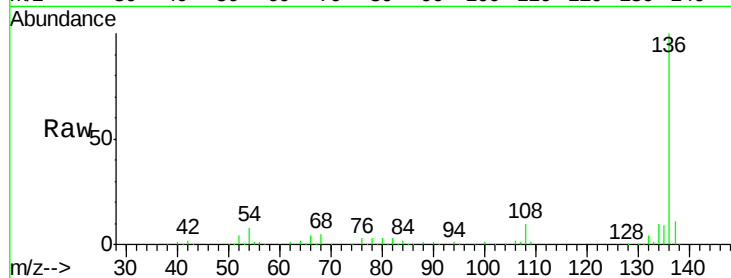




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

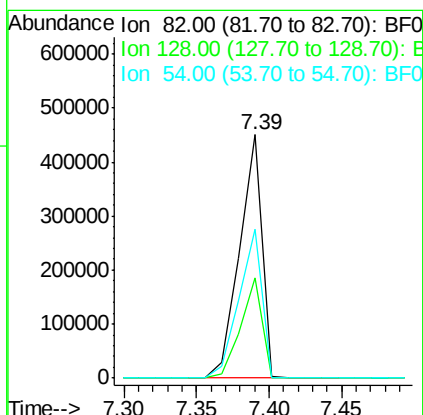
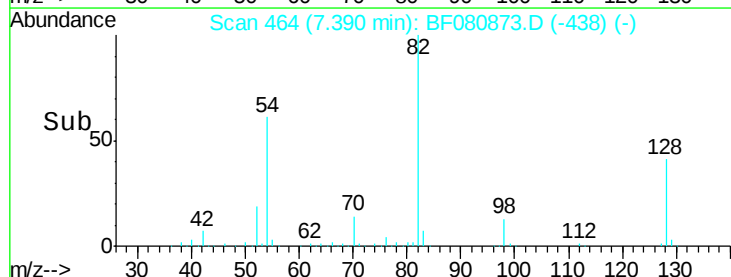
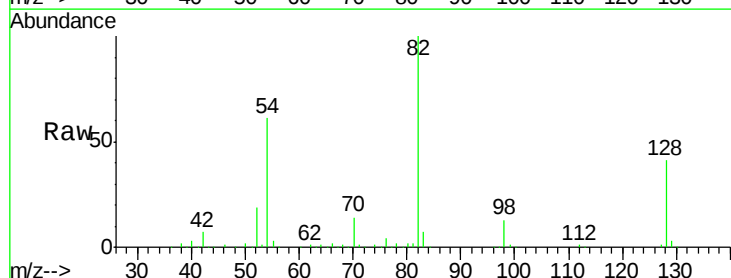
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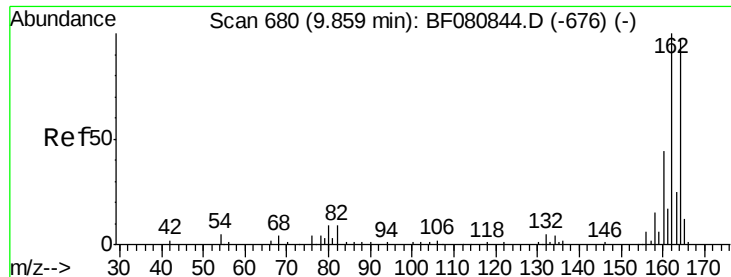
Tgt Ion:	136	Resp:	225462
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	7.8	8.3	12.5#
68	4.6	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 100.97 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

Tgt Ion:	82	Resp:	483059
Ion Ratio	Lower	Upper	
82	100		
128	41.2	31.0	46.4
54	61.0	51.0	76.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF080873.D

Acq: 5 Aug 2015 10:08

Instrument :

BNA_F

ClientSampleId :

BB-026CS-1(0-16FTBGS)RE

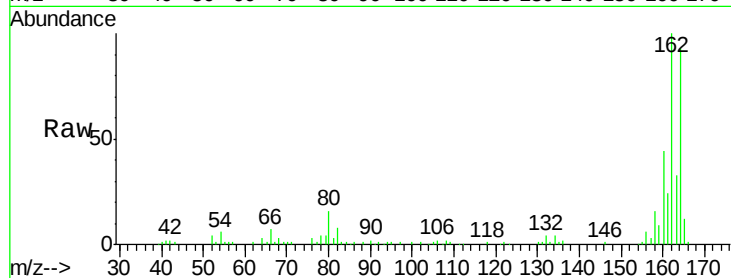
Tgt Ion:164 Resp: 89880

Ion Ratio Lower Upper

164 100

162 107.6 82.9 124.3

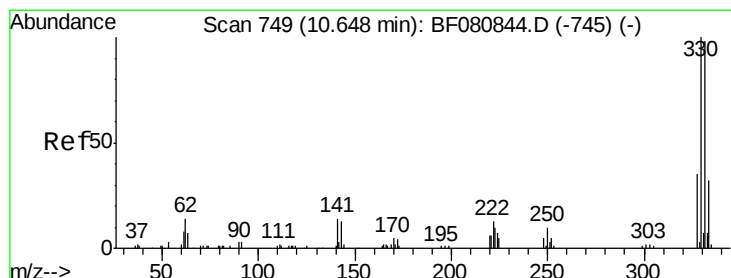
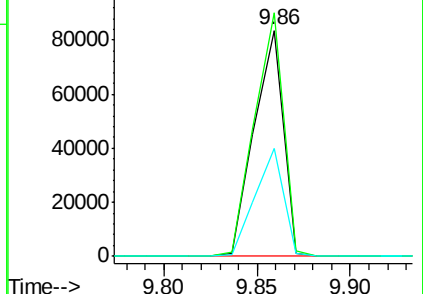
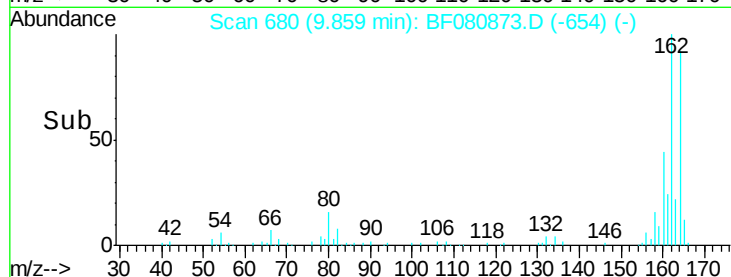
160 47.5 36.6 54.8



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: 115.41 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF080873.D

Acq: 5 Aug 2015 10:08

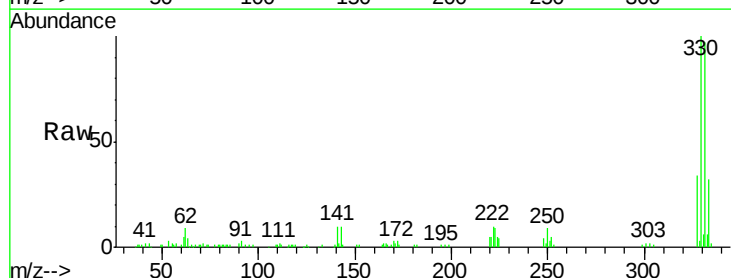
Tgt Ion:330 Resp: 100032

Ion Ratio Lower Upper

330 100

332 95.2 77.8 116.8

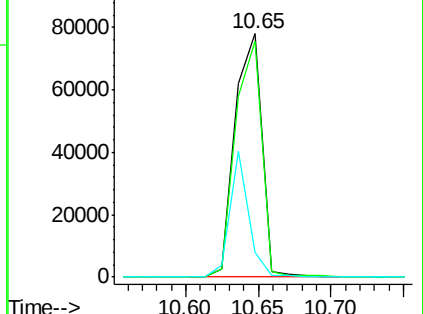
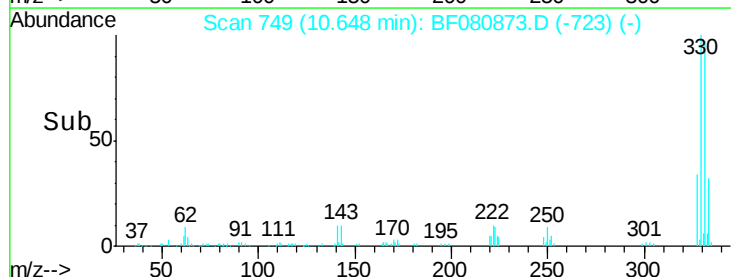
141 36.7 28.4 42.6

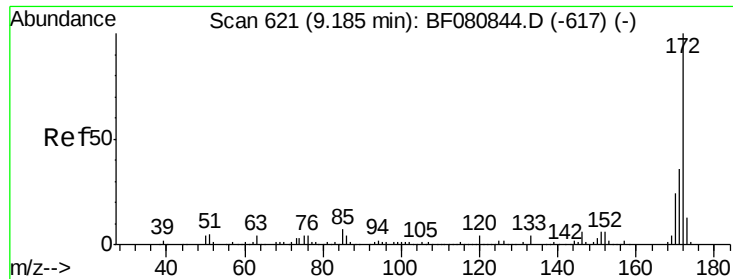


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

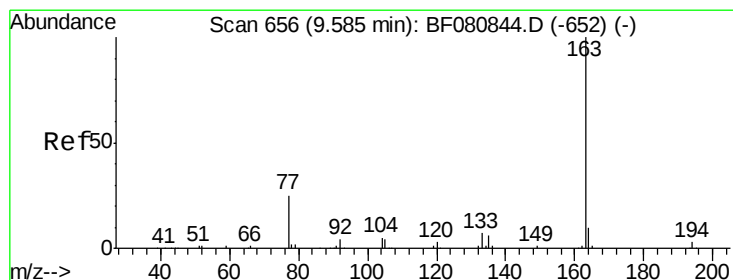
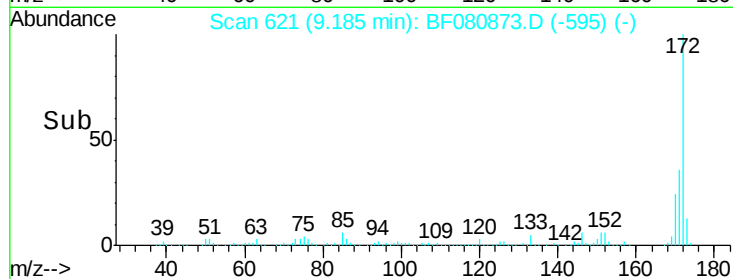
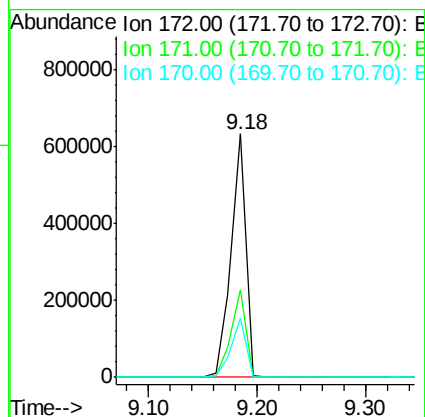
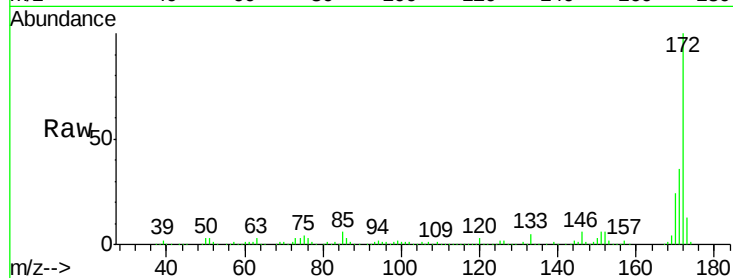




#44
2-Fluorobiphenyl
Concen: 89.19 ng
RT: 9.18 min Scan# 621
Delta R.T. 0.00 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

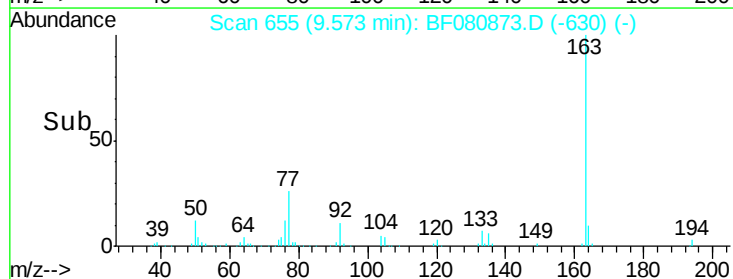
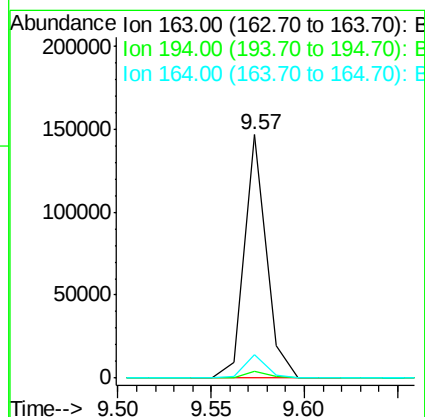
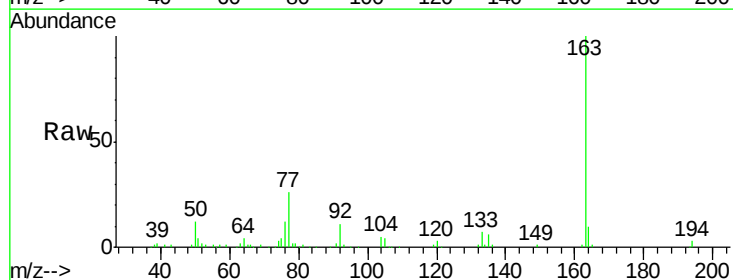
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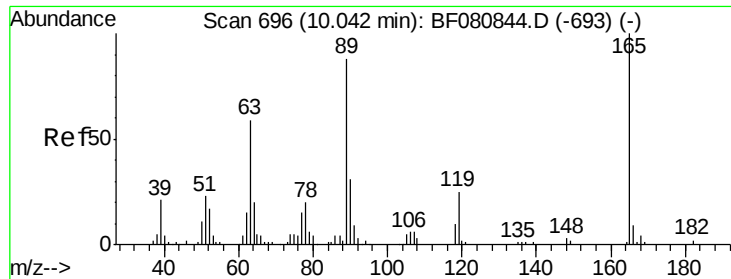
Tgt Ion:172 Resp: 595359
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 24.4 19.4 29.2



#49
Dimethylphthalate
Concen: 18.41 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

Tgt Ion:163 Resp: 120689
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.7 8.2 12.4

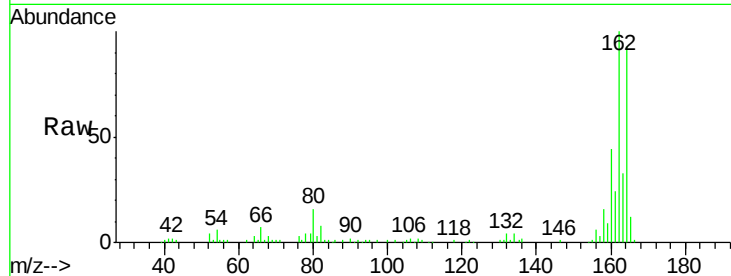




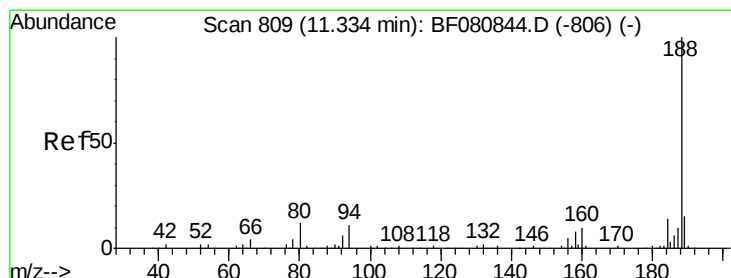
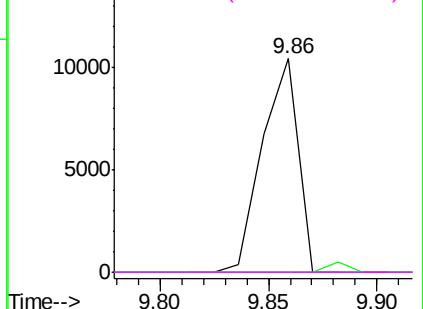
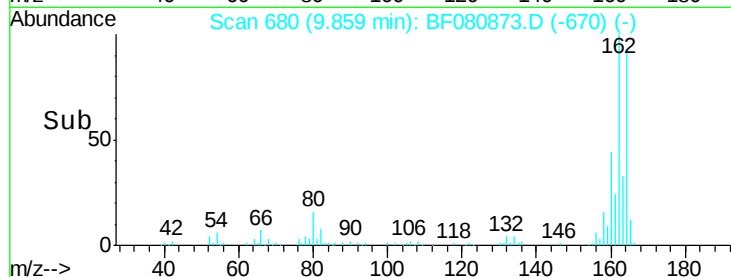
#56
 2,4-Dinitrotoluene
 Concen: 6.96 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.18 min
 Lab File: BF080873.D
 Acq: 5 Aug 2015 10:08

Instrument :
 BNA_F
 ClientSampleId :
 BB-026CS-1(0-16FTBGS)RE

Tgt Ion:165 Resp: 12054
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.2 70.8#
 89 0.0 70.2 105.2#
 182 0.0 1.5 2.3#

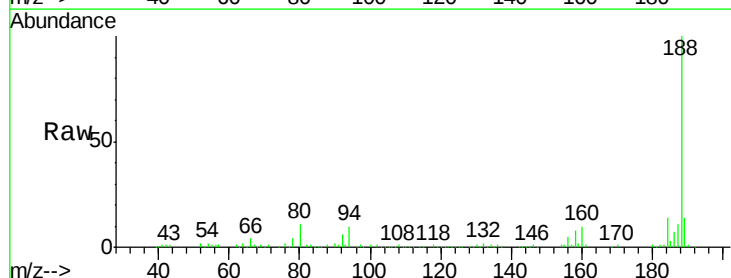


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

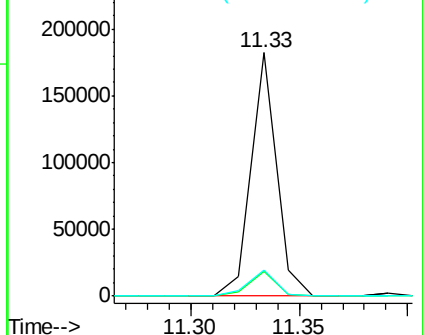
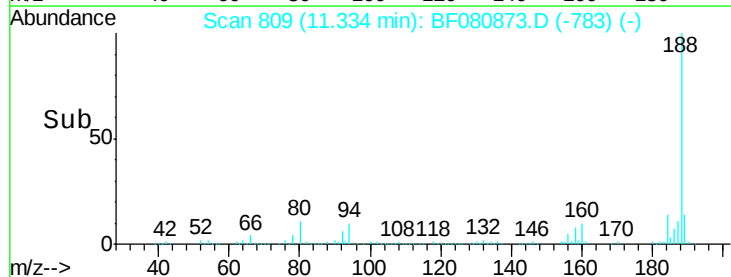


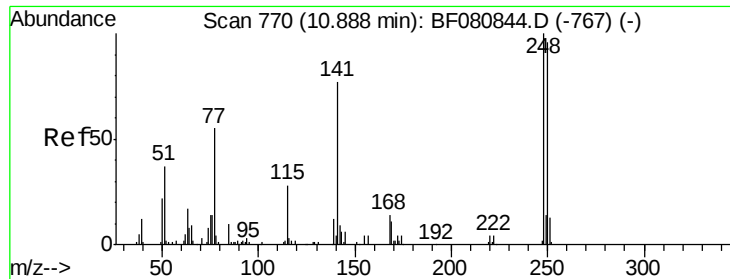
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF080873.D
 Acq: 5 Aug 2015 10:08

Tgt Ion:188 Resp: 148757
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.6 12.8
 80 10.7 9.3 13.9



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

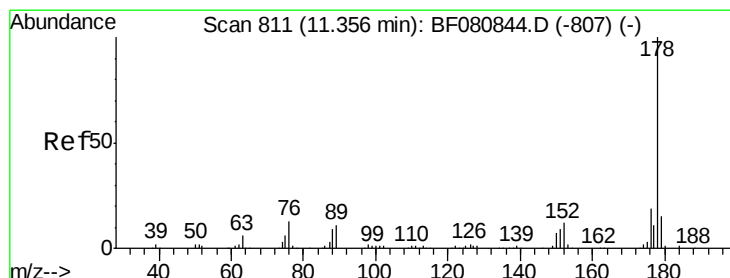
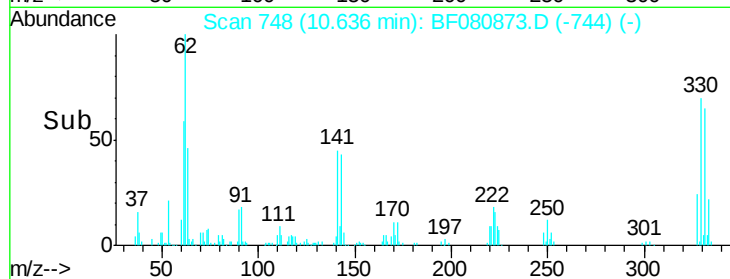
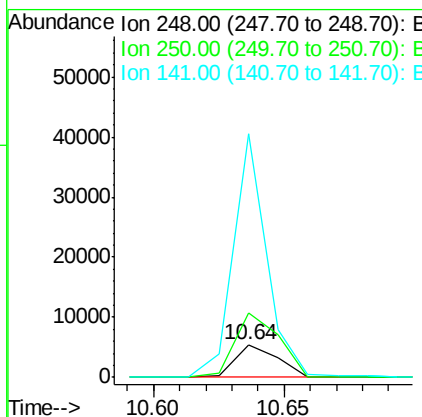
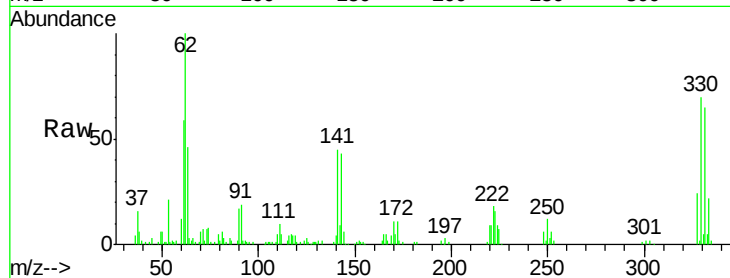




#66
4-Bromophenyl-phenylether
Concen: 3.81 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.25 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

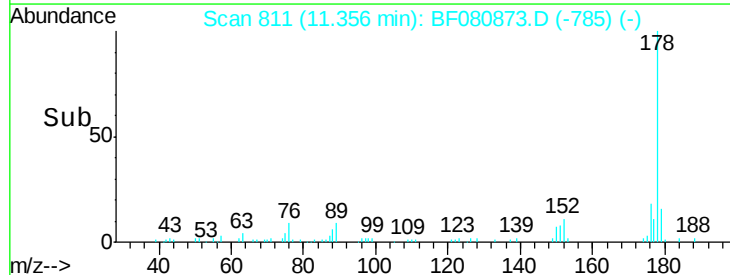
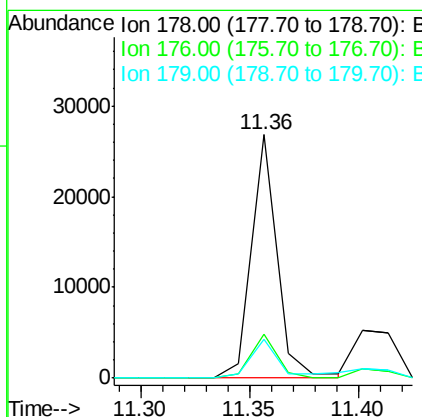
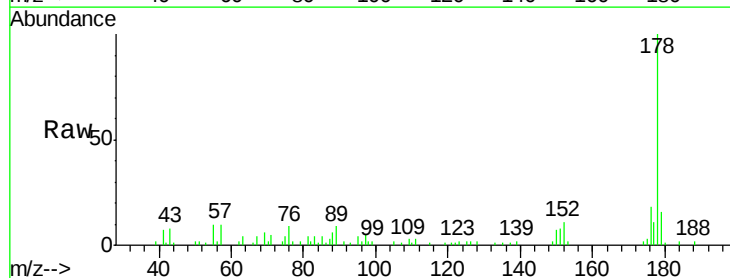
Instrument :
BNA_F
ClientSampleId :
BB-026CS-1(0-16FTBGS)RE

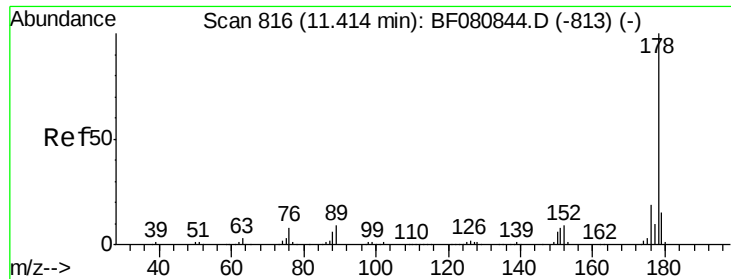
Tgt Ion:248 Resp: 6280
Ion Ratio Lower Upper
248 100
250 195.4 77.2 115.8#
141 737.0 61.4 92.0#



#70
Phenanthrene
Concen: 2.55 ng
RT: 11.36 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

Tgt Ion:178 Resp: 21920
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.8 12.3 18.5

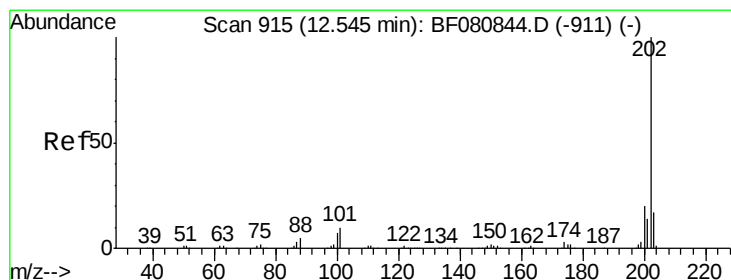
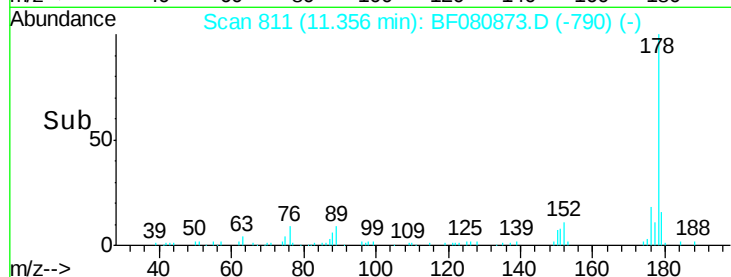
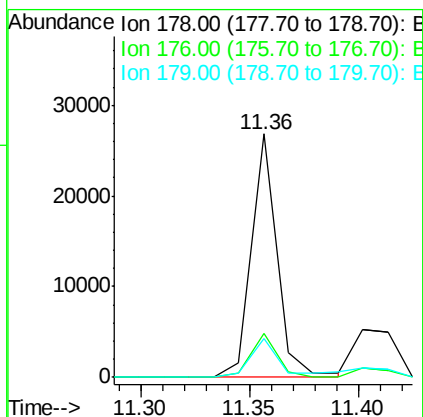
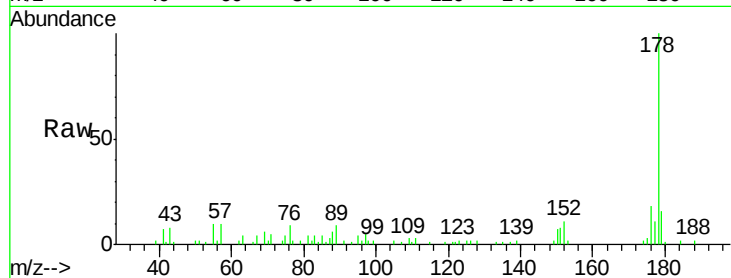




#71
 Anthracene
 Concen: 2.62 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.06 min
 Lab File: BF080873.D
 Acq: 5 Aug 2015 10:08

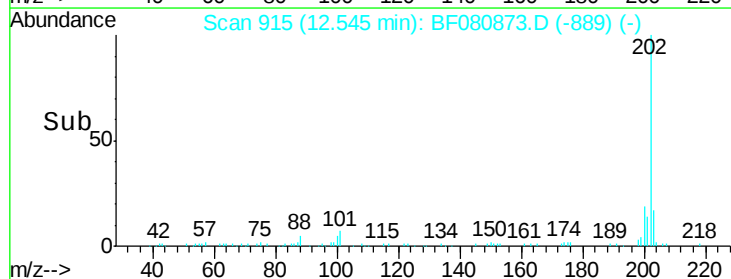
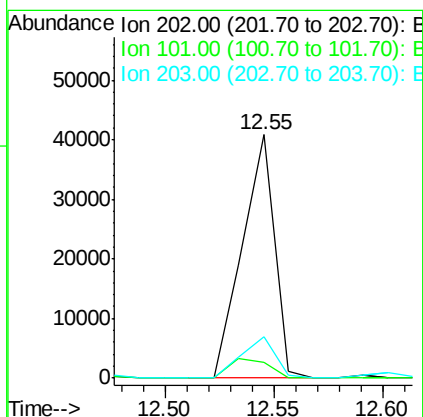
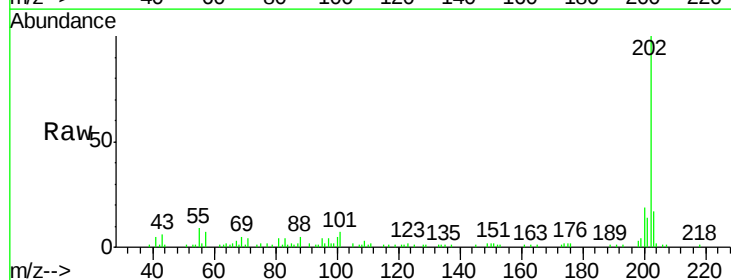
Instrument :
 BNA_F
 ClientSampleId :
 BB-026CS-1(0-16FTBGS)RE

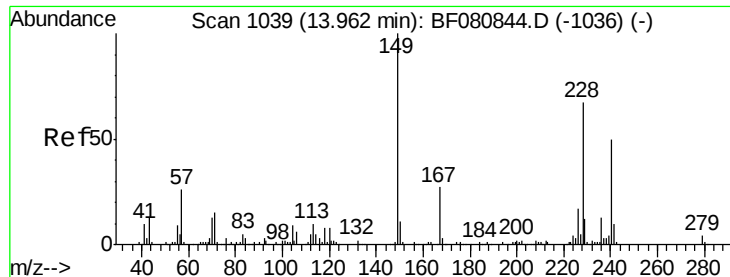
Tgt Ion:178 Resp: 21920
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 15.8 12.2 18.4



#74
 Fluoranthene
 Concen: 5.00 ng
 RT: 12.55 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: BF080873.D
 Acq: 5 Aug 2015 10:08

Tgt Ion:202 Resp: 41862
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 29.9
 203 17.1 0.0 37.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF080873.D

Acq: 5 Aug 2015 10:08

Instrument :

BNA_F

ClientSampleId :

BB-026CS-1(0-16FTBGS)RE

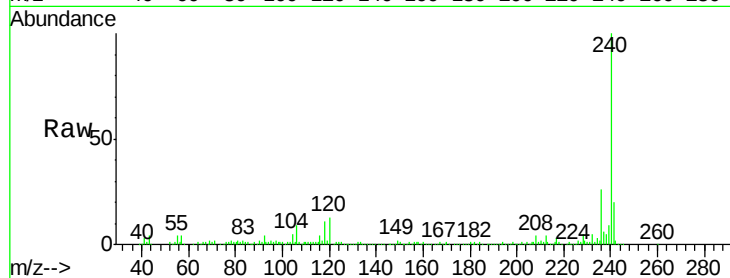
Tgt Ion:240 Resp: 142536

Ion Ratio Lower Upper

240 100

120 12.9 13.0 19.6#

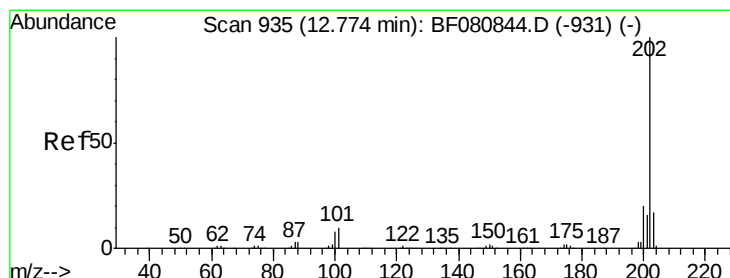
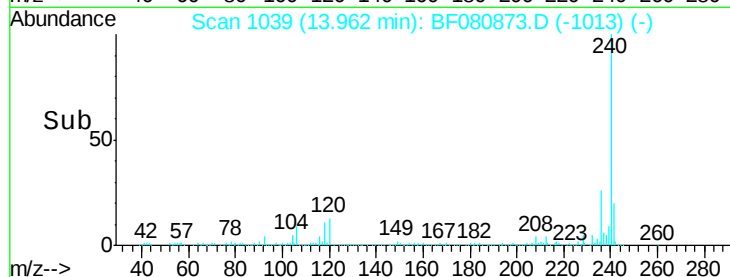
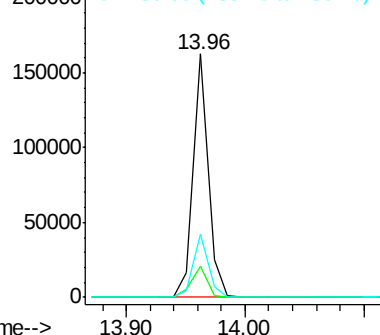
236 26.1 20.7 31.1



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: 3.27 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.23 min

Lab File: BF080873.D

Acq: 5 Aug 2015 10:08

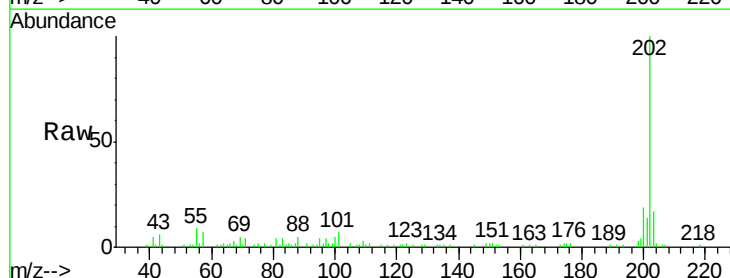
Tgt Ion:202 Resp: 41862

Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

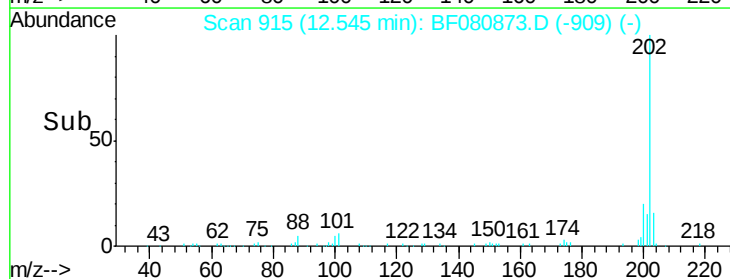
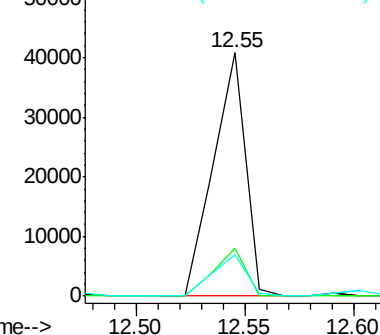
203 17.1 13.6 20.4

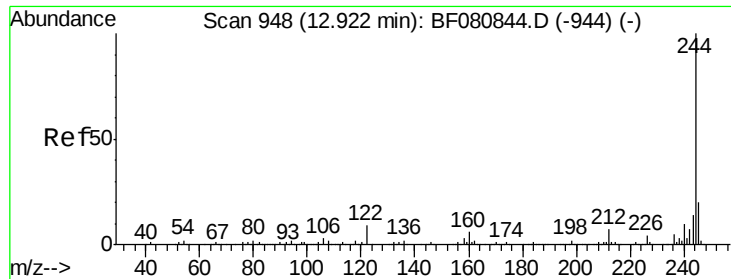


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

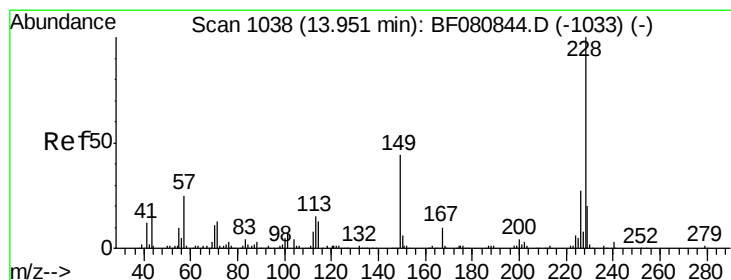
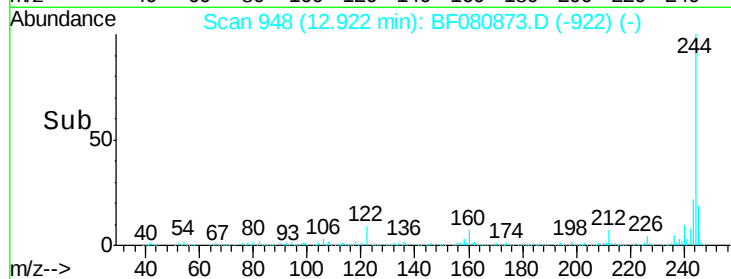
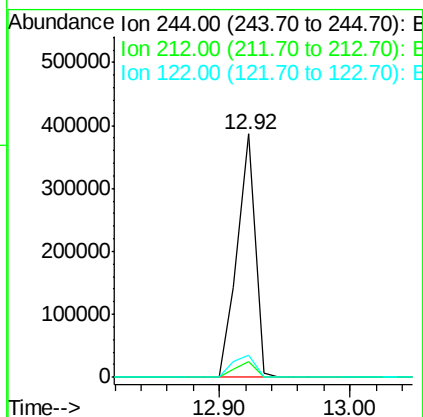
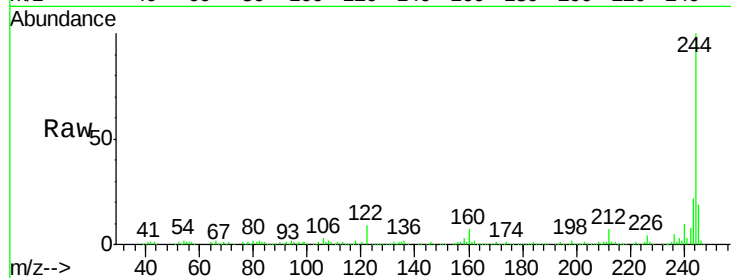




#78
 Terphenyl-d14
 Concen: 46.93 ng
 RT: 12.92 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF080873.D
 Acq: 5 Aug 2015 10:08

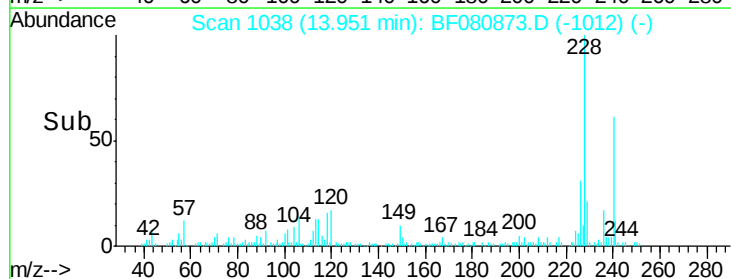
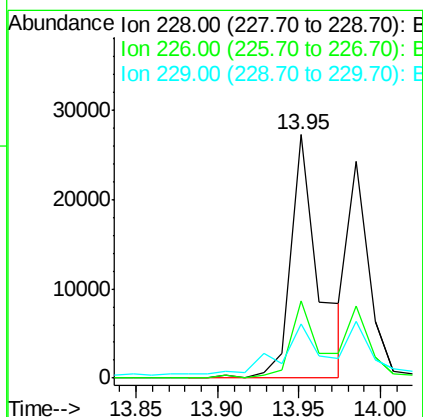
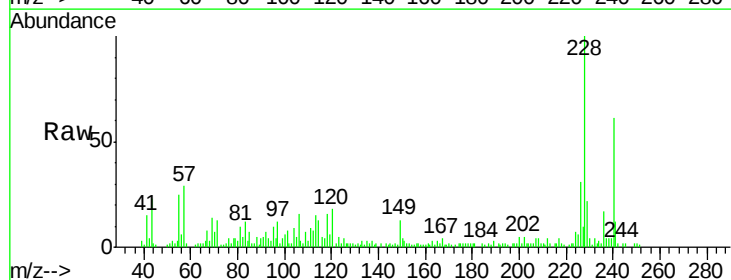
Instrument :
 BNA_F
 ClientSampleId :
 BB-026CS-1(0-16FTBGS)RE

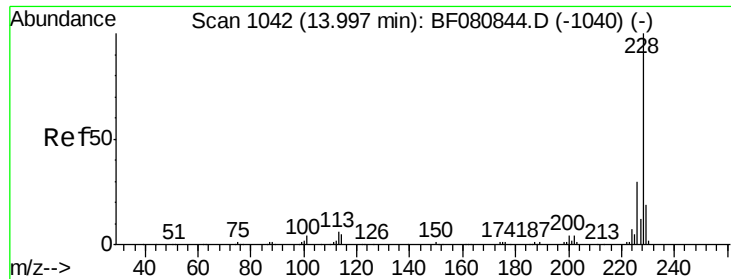
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	8.9	7.1	10.7



#80
 Benzo(a)anthracene
 Concen: 3.45 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF080873.D
 Acq: 5 Aug 2015 10:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	21.5	32.3
229	22.3	16.2	24.2

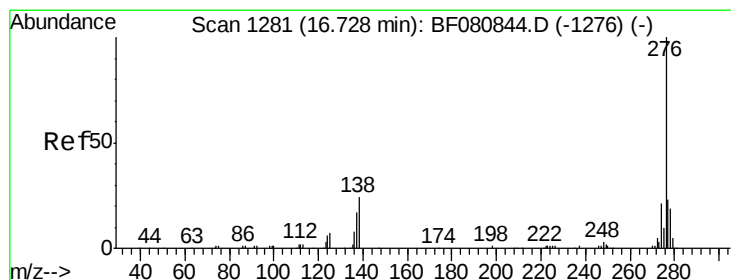
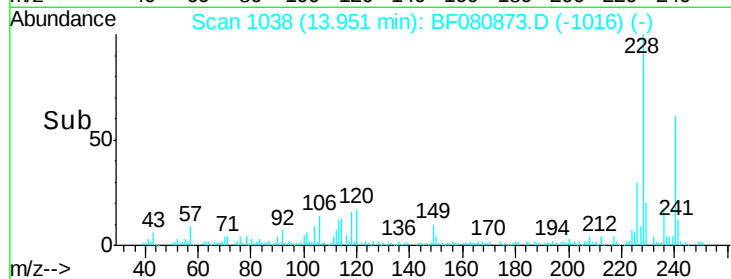
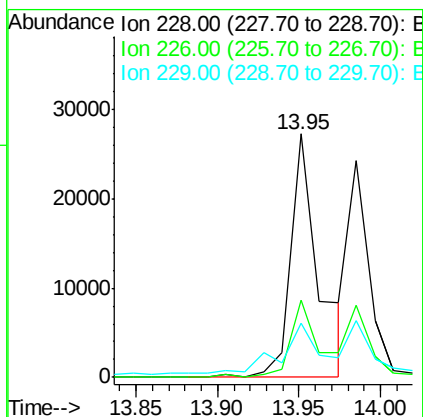
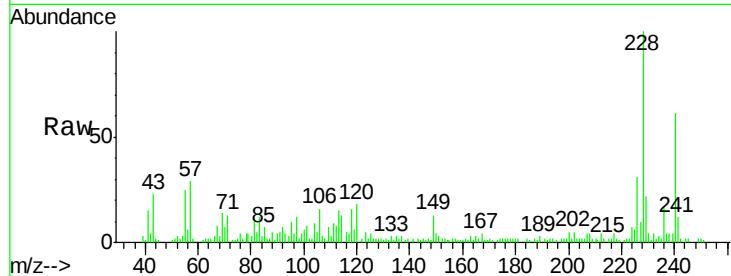




#82
Chrysene
Concen: 3.38 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.05 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

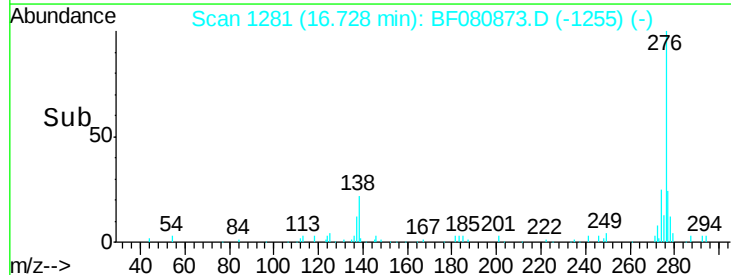
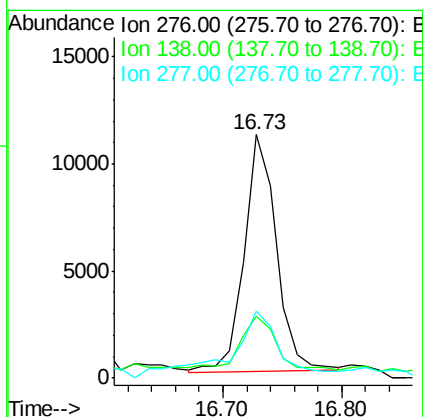
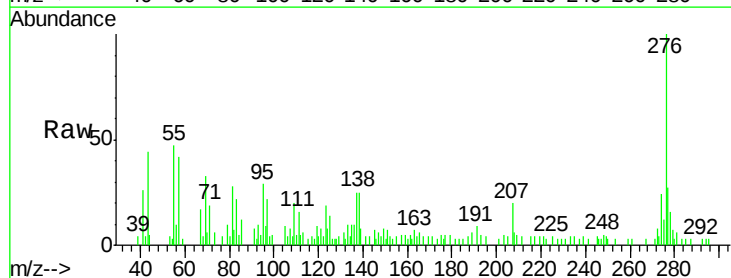
Instrument :
BNA_F
ClientSampleId :
BB-026CS-1(0-16FTBGS)RE

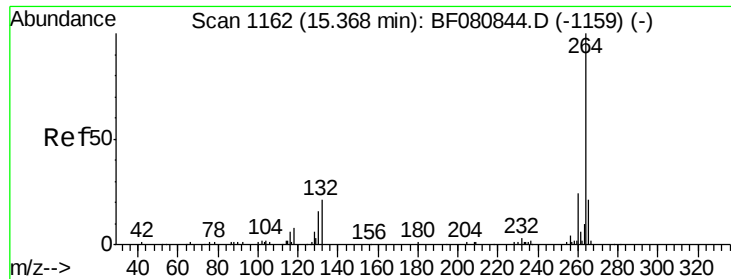
Tgt Ion: 228 Resp: 32865
Ion Ratio Lower Upper
228 100
226 31.5 23.6 35.4
229 22.3 15.1 22.7



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.62 ng
RT: 16.73 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

Tgt Ion: 276 Resp: 20924
Ion Ratio Lower Upper
276 100
138 27.4 21.6 32.4
277 45.2 19.6 29.4#

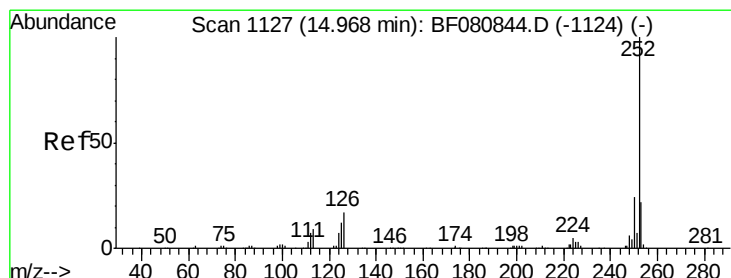
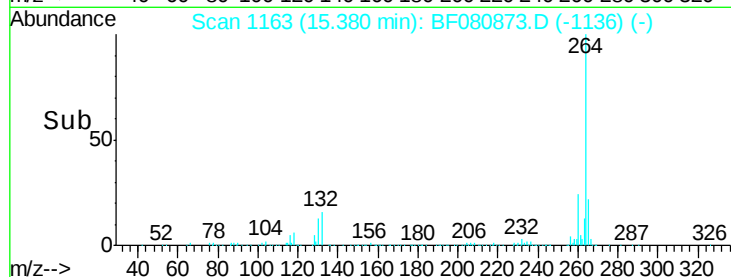
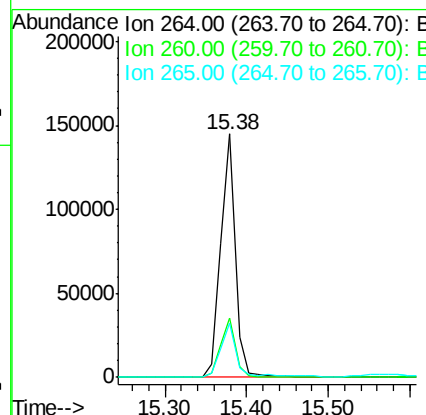
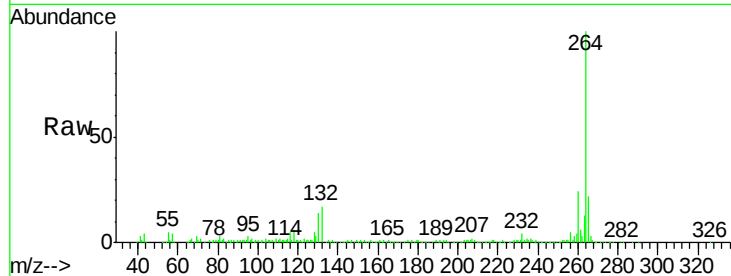




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: BF080873.D
 Acq: 5 Aug 2015 10:08

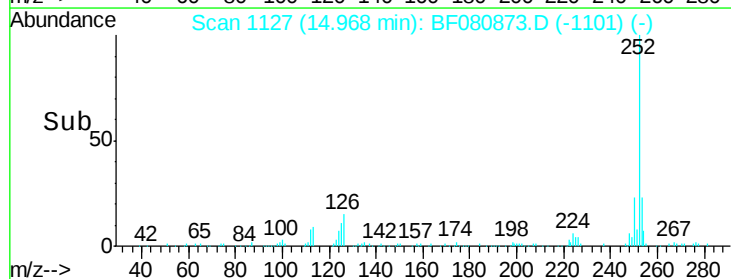
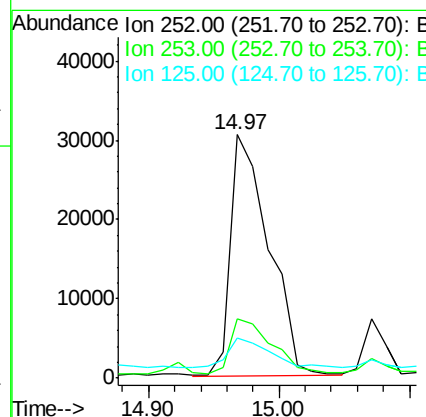
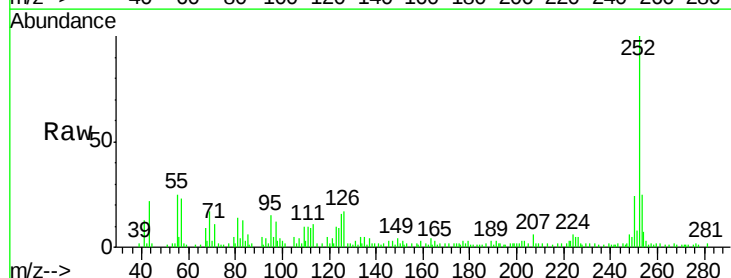
Instrument :
 BNA_F
 ClientSampleId :
 BB-026CS-1(0-16FTBGS)RE

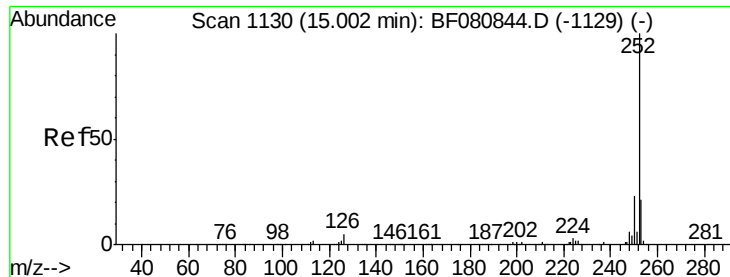
Tgt Ion:	264	Resp:	182644
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.9	28.3
265	22.1	16.8	25.2



#87
 Benzo(b)fluoranthene
 Concen: 4.59 ng
 RT: 14.97 min Scan# 1127
 Delta R.T. 0.00 min
 Lab File: BF080873.D
 Acq: 5 Aug 2015 10:08

Tgt Ion:	252	Resp:	62773
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.0
125	16.4	9.8	14.8#

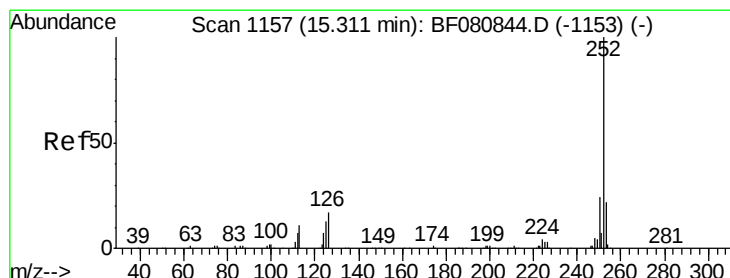
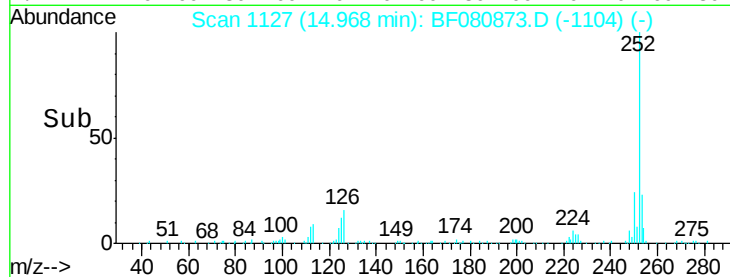
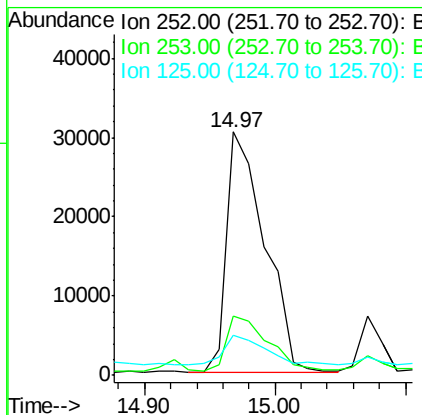
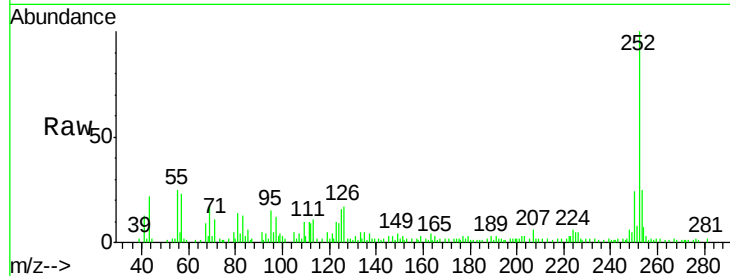




#88
Benzo(k)fluoranthene
Concen: 5.90 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.03 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

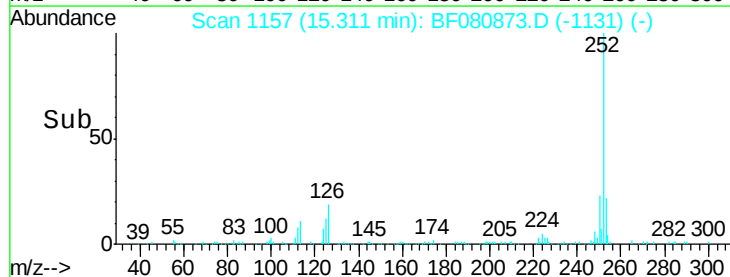
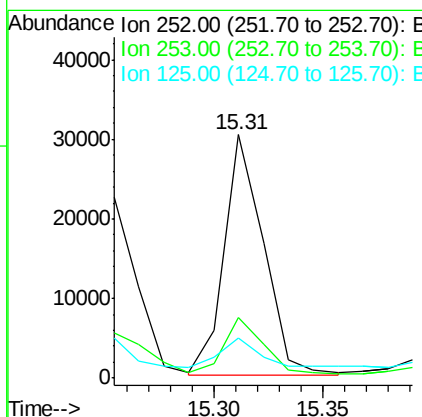
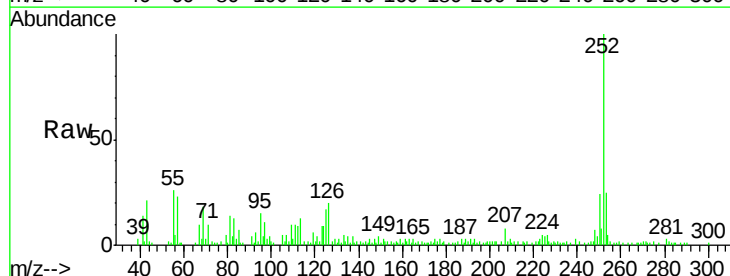
Instrument :
BNA_F
ClientSampleId :
BB-026CS-1(0-16FTBGS)RE

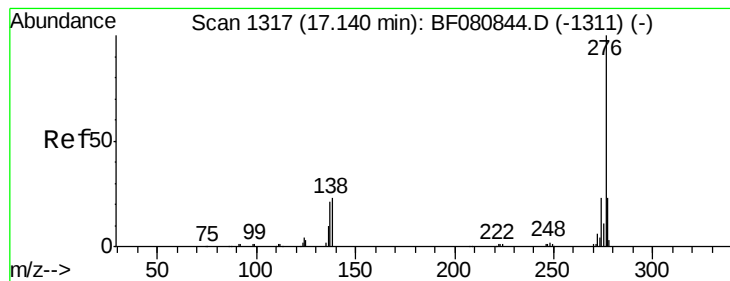
Tgt Ion:252 Resp: 62077
Ion Ratio Lower Upper
252 100
253 24.5 16.9 25.3
125 16.4 7.0 10.6#



#89
Benzo(a)pyrene
Concen: 3.40 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF080873.D
Acq: 5 Aug 2015 10:08

Tgt Ion:252 Resp: 37961
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 16.6 10.6 16.0#





#91

Benzo(g,h,i)perylene

Concen: 2.46 ng

RT: 17.14 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF080873.D

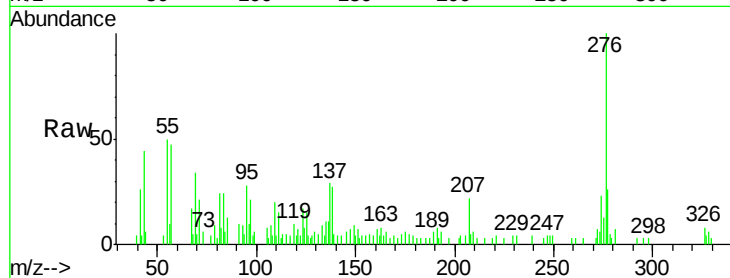
Acq: 5 Aug 2015 10:08

Instrument :

BNA_F

ClientSampleId :

BB-026CS-1(0-16FTBGS)RE



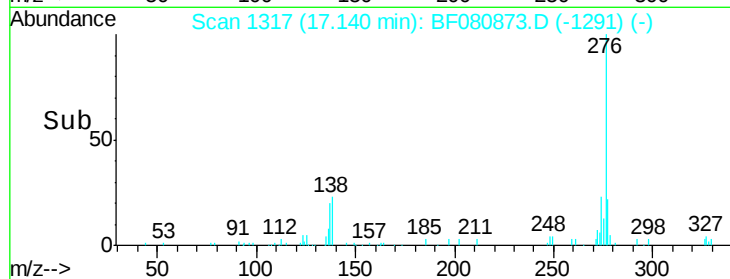
Tgt Ion: 276 Resp: 22998

Ion Ratio Lower Upper

276 100

277 26.3 18.6 27.8

138 27.1 18.8 28.2



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

