

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080115\
 Data File : BF080788.D
 Acq On : 1 Aug 2015 19:01
 Operator : TP/UM
 Sample : G3119-01
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

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

Quant Time: Aug 03 03:49:05 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	90909	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	310698	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	129883	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	222561	20.00	ng	0.00
75) Chrysene-d12	14.00	240	187069	20.00	ng	0.00
86) Perylene-d12	15.41	264	299729	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	783166	147.79	ng	0.01
7) Phenol-d6	6.48	99	878250	121.73	ng	-0.01
23) Nitrobenzene-d5	7.41	82	636778	99.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	192212	142.62	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	807364	92.74	ng	-0.01
78) Terphenyl-d14	12.95	244	525973	53.18	ng	-0.01

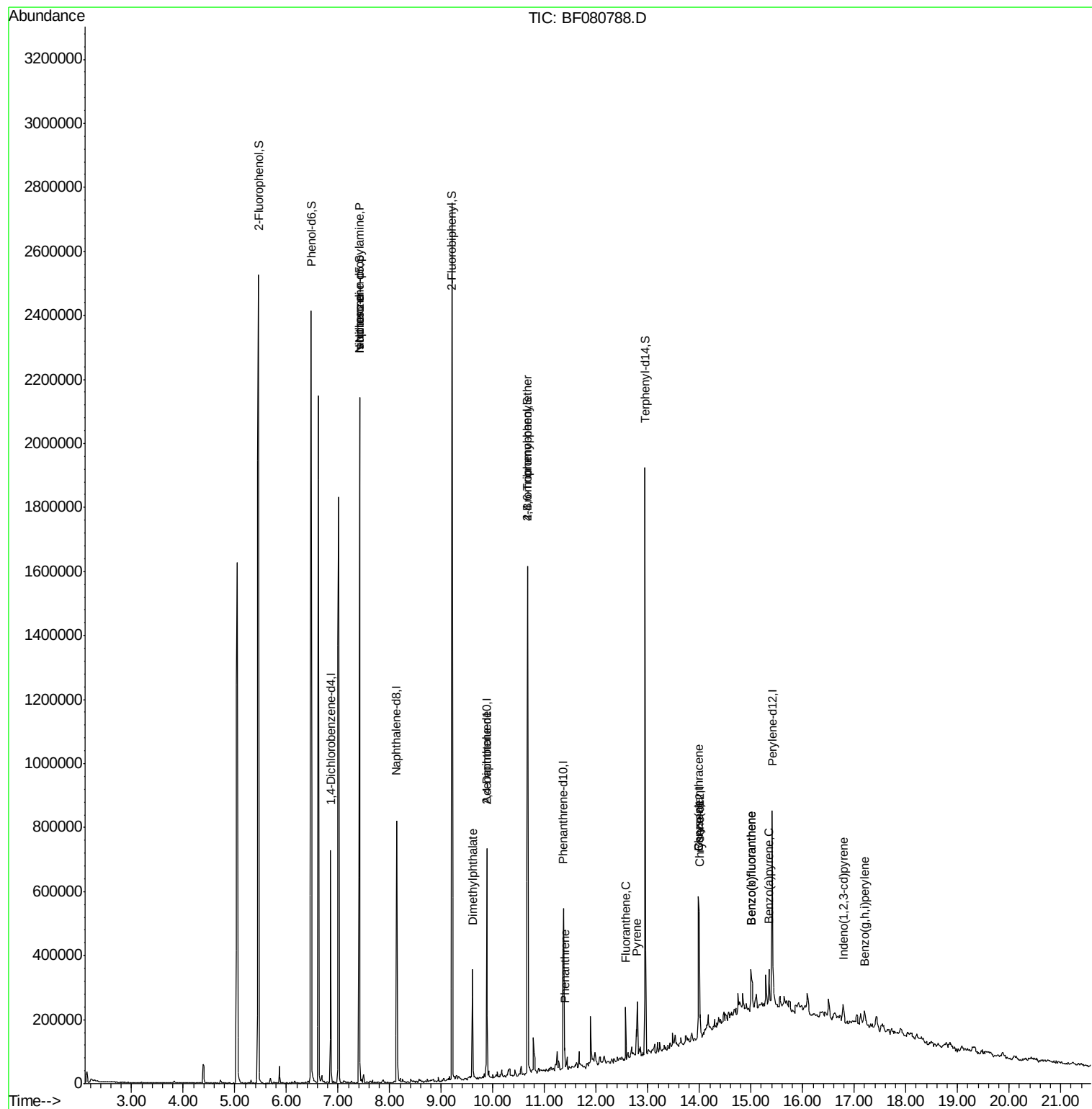
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.41	77	839	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	88233	18.16	ng	76
25) Isophorone	7.41	82	628740	55.10	ng	71
49) Dimethylphthalate	9.61	163	176928	19.33	ng	96
56) 2,4-Dinitrotoluene	9.88	165	17432	6.84	ng	17
66) 4-Bromophenyl-phenylether	10.67	248	12667	5.51	ng	1
70) Phenanthrene	11.39	178	28987	2.59	ng	99
74) Fluoranthene	12.57	202	61622	5.68	ng	99
77) Pyrene	12.80	202	66194	4.56	ng	98
80) Benzo(a)anthracene	13.99	228	39647	3.52	ng	93
82) Chrysene	13.99	228	39647	3.63	ng	95
85) Indeno(1,2,3-cd)pyrene	16.79	276	33943	5.87	ng	# 79
87) Benzo(b)fluoranthene	15.00	252	92367	5.16	ng	# 97
88) Benzo(k)fluoranthene	15.00	252	92367	6.27	ng	98
89) Benzo(a)pyrene	15.35	252	56670	3.86	ng	# 90
91) Benzo(g,h,i)perylene	17.20	276	34742	2.68	ng	95

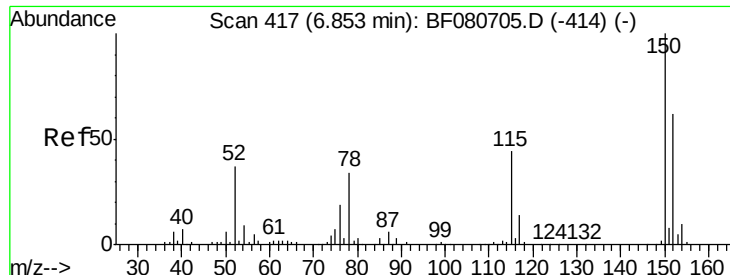
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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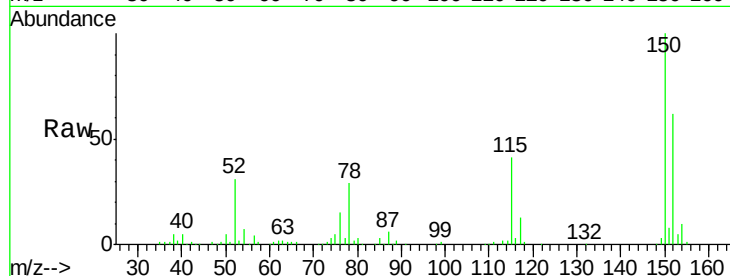


#1

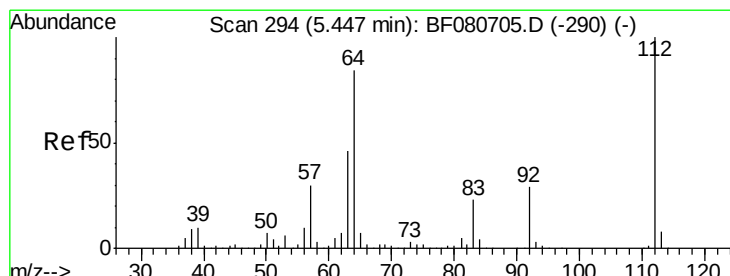
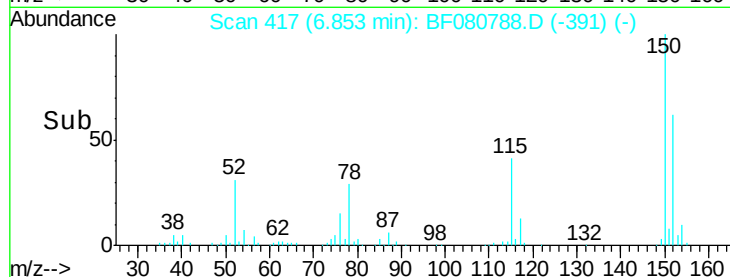
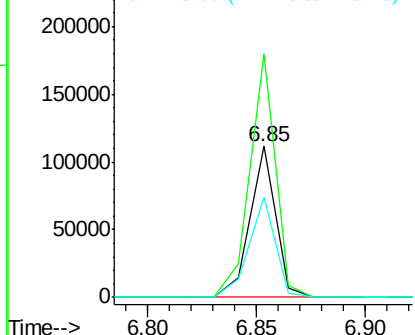
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.00 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

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

Tot Ion:152 Resp: 90909
Ion Ratio Lower Upper
152 100
150 160.9 129.6 194.4
115 66.0 56.6 85.0



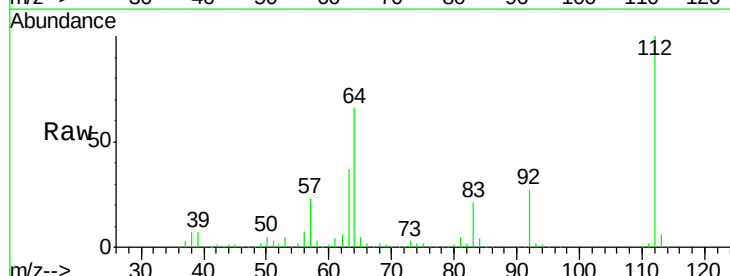
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



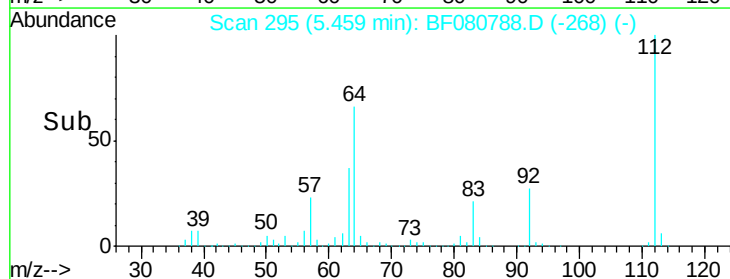
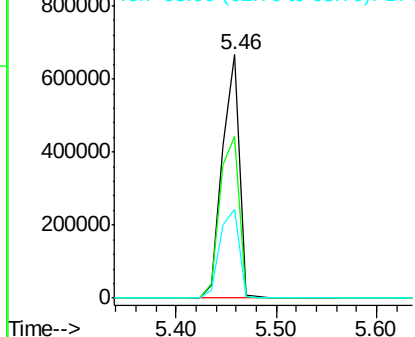
#5

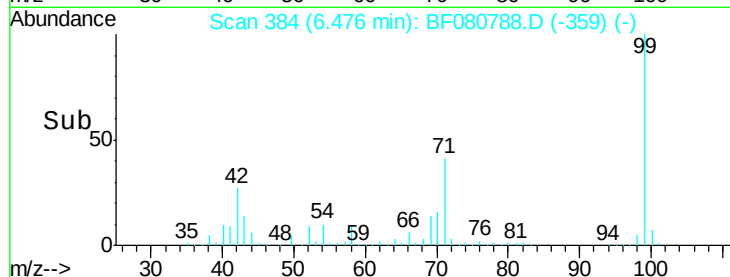
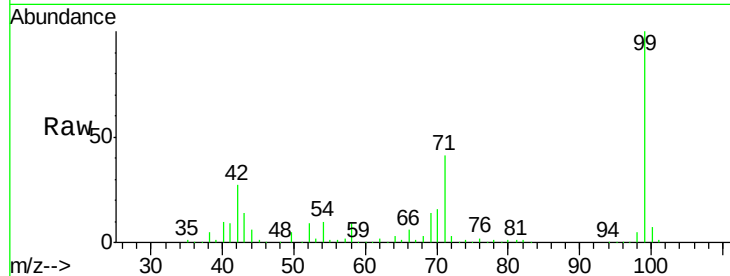
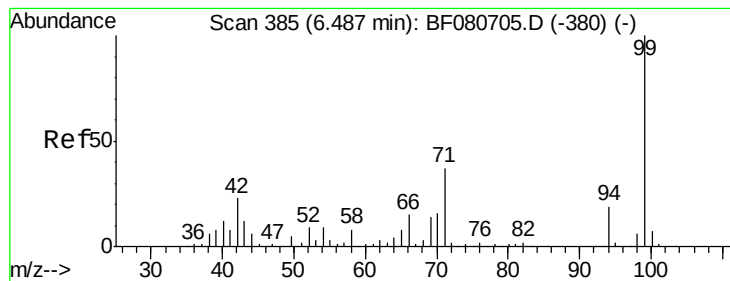
2-Fluorophenol
Concen: 147.79 ng
RT: 5.46 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

Tgt Ion:112 Resp: 783166
Ion Ratio Lower Upper
112 100
64 66.5 66.8 100.2#
63 36.6 36.7 55.1#



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: 121.73 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

Instrument :

BNA_F

ClientSampleId :

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

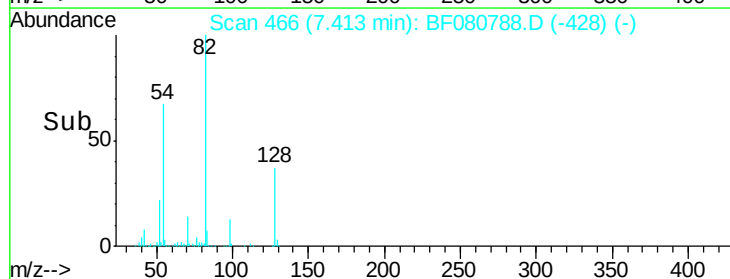
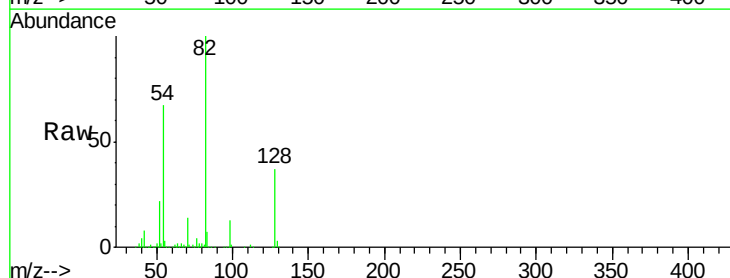
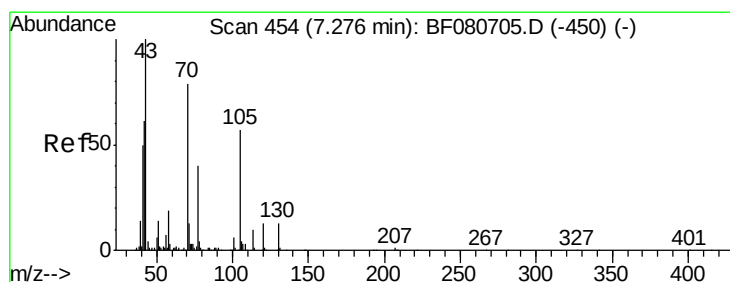
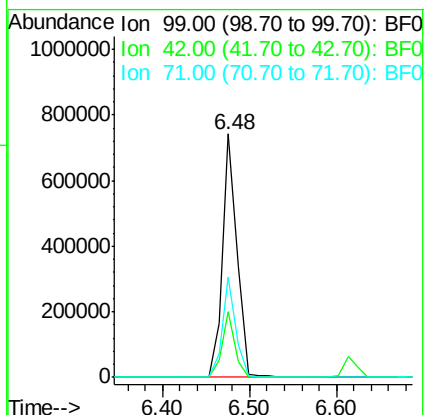
Tot Ion: 99 Resp: 878250

Ion Ratio Lower Upper

99 100

42 27.1 18.2 27.2

71 41.1 29.5 44.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.16 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

Tgt Ion: 70 Resp: 88233

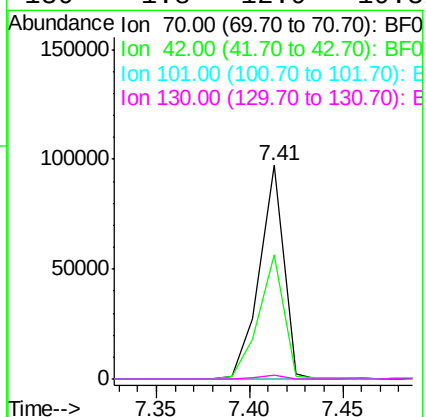
Ion Ratio Lower Upper

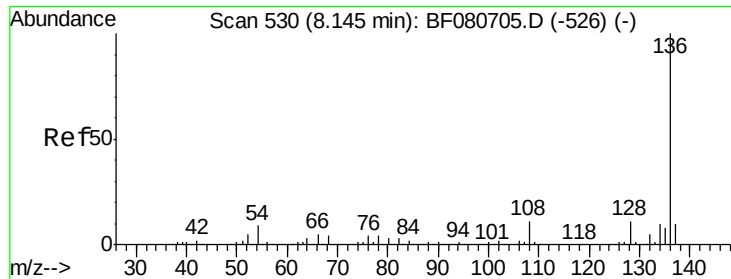
70 100

42 58.3 61.8 92.6#

101 0.0 6.1 9.1#

130 1.8 12.9 19.3#

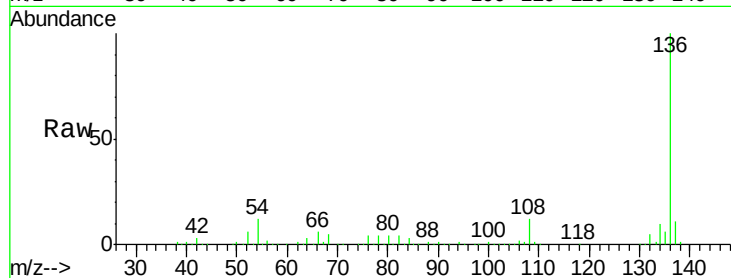




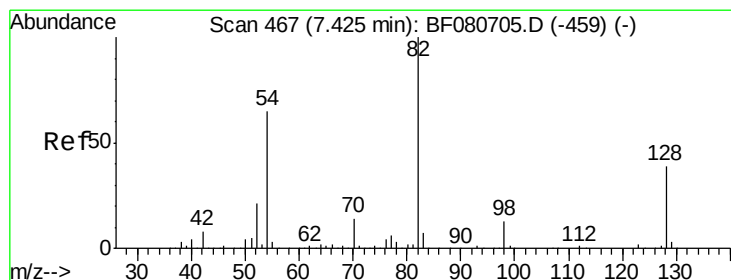
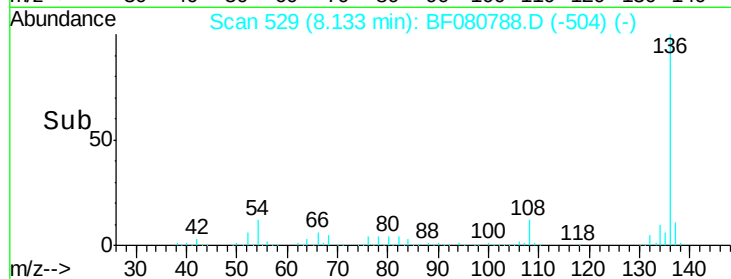
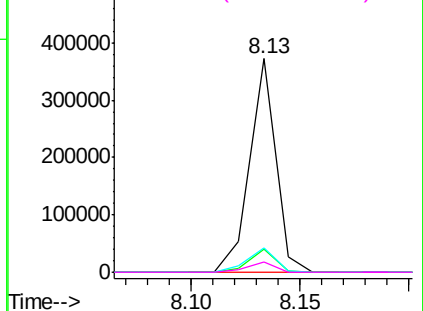
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

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

Tot Ion:136	Resp:	310698
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.4 12.6
54	11.5	6.9 10.3
68	4.9	3.5 5.3

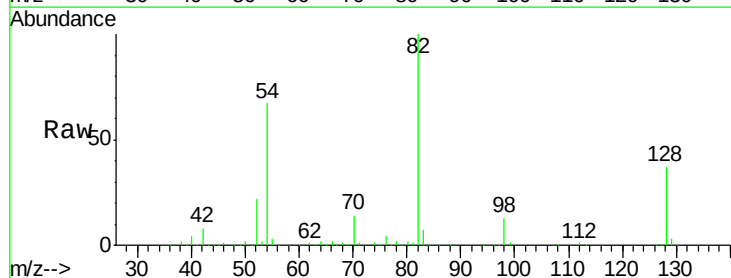


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

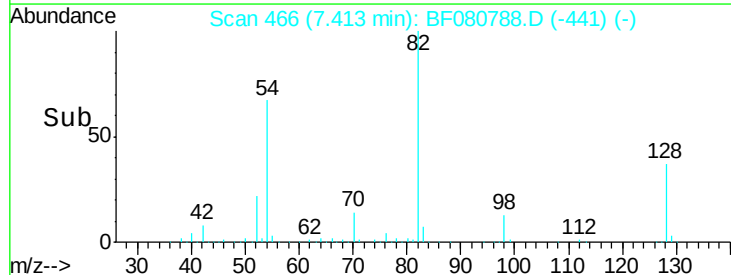
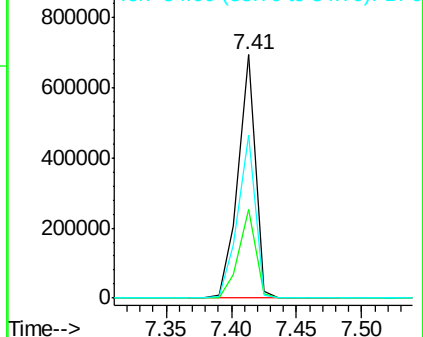


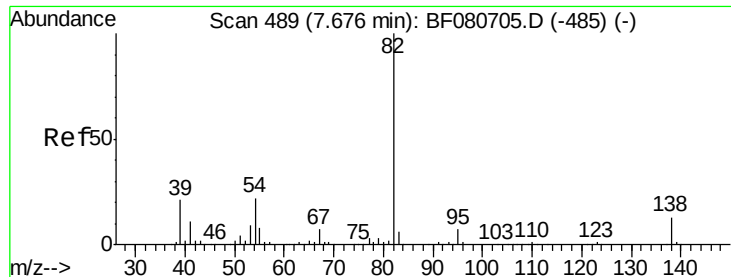
#23
Nitrobenzene-d5
Concen: 99.25 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

Tgt Ion: 82	Resp:	636778
Ion Ratio	Lower	Upper
82	100	
128	36.5	31.5 47.3
54	67.2	51.8 77.8



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





#25

Isophorone

Concen: 55.10 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

Instrument :

BNA_F

ClientSampleId :

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

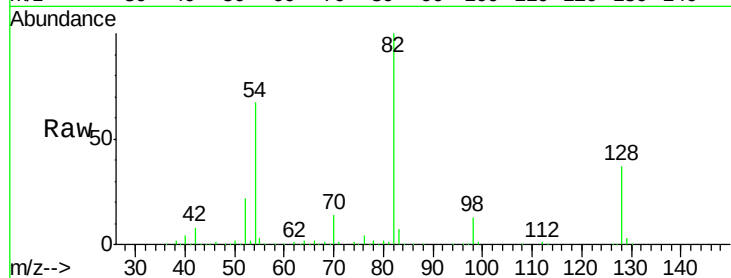
Tot Ion: 82 Resp: 628740

Ion Ratio Lower Upper

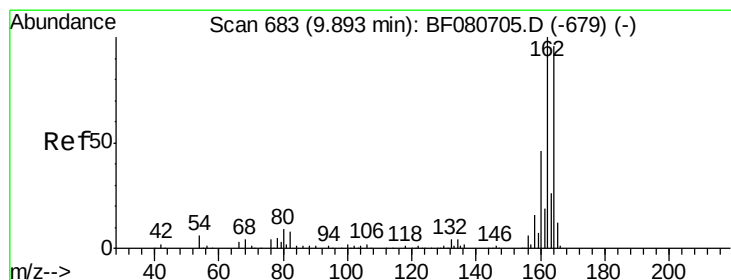
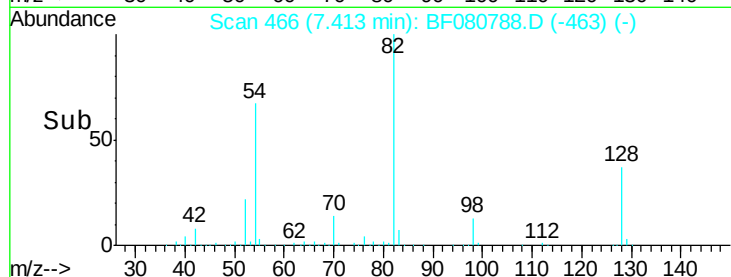
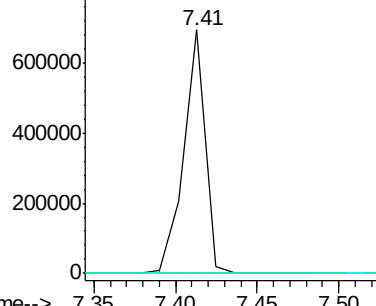
82 100

95 0.0 5.8 8.6#

138 0.0 10.7 16.1#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

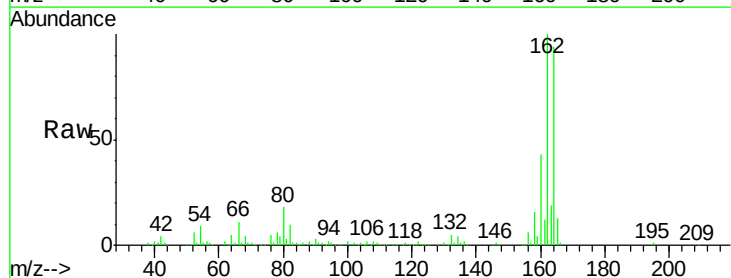
Tgt Ion:164 Resp: 129883

Ion Ratio Lower Upper

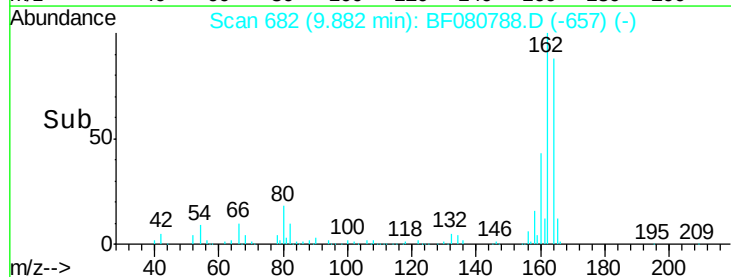
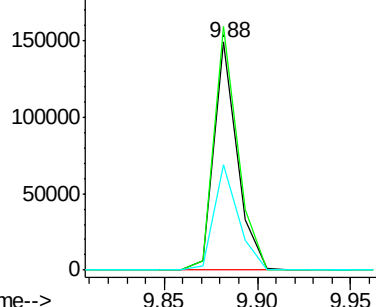
164 100

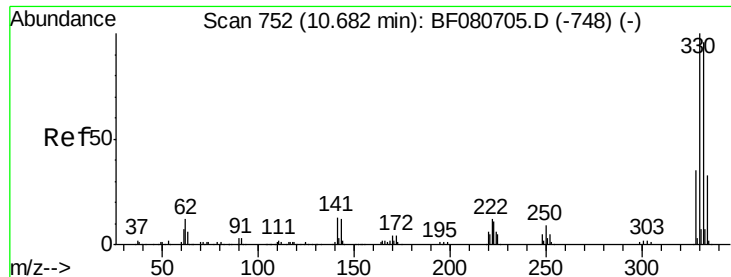
162 106.9 83.4 125.0

160 46.3 38.0 57.0



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

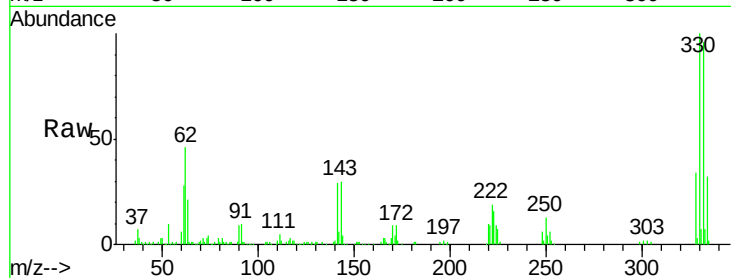




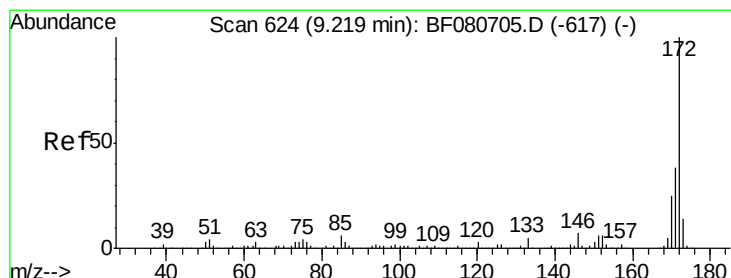
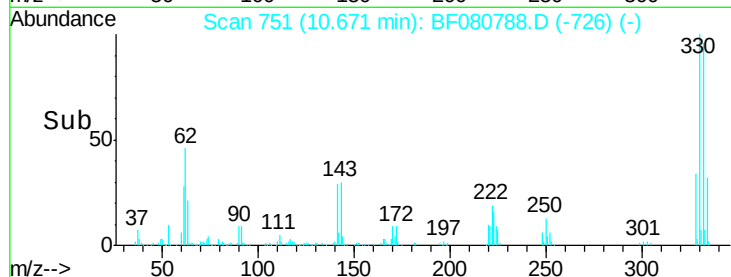
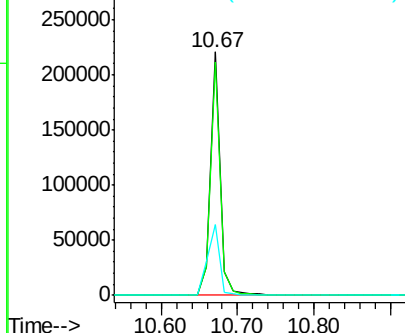
#41
 2,4,6-Tribromophenol
 Concen: 142.62 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF080788.D
 Acq: 1 Aug 2015 19:01

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	36.8	26.0	39.0

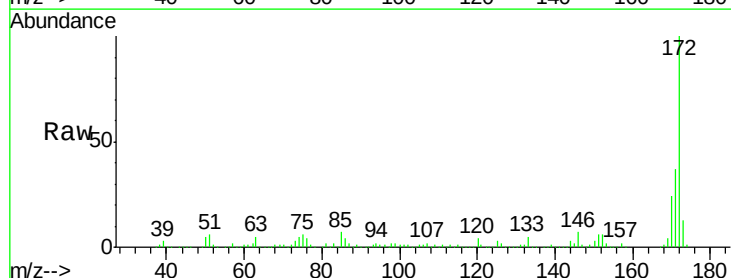


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

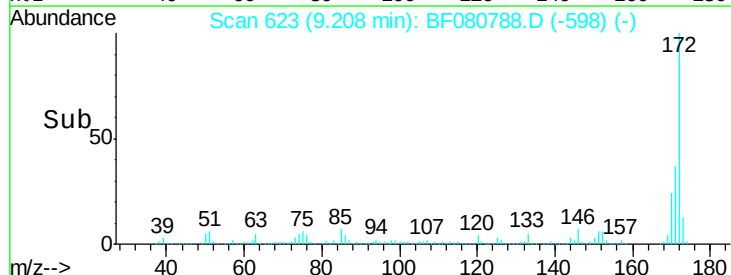
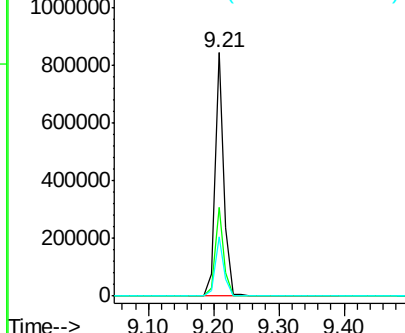


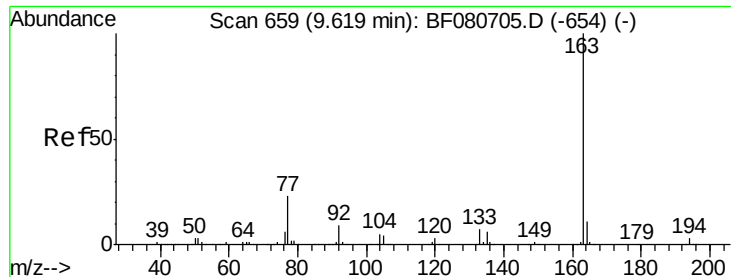
#44
 2-Fluorobiphenyl
 Concen: 92.74 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF080788.D
 Acq: 1 Aug 2015 19:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.2	45.4
170	24.5	20.2	30.2



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

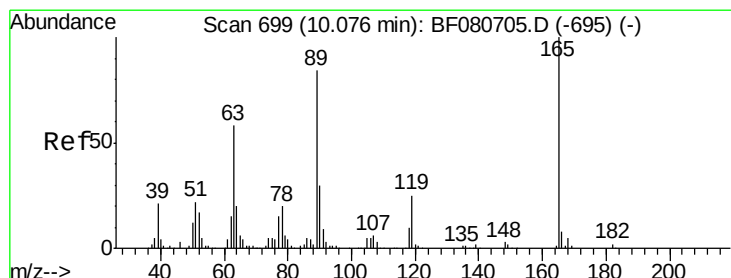
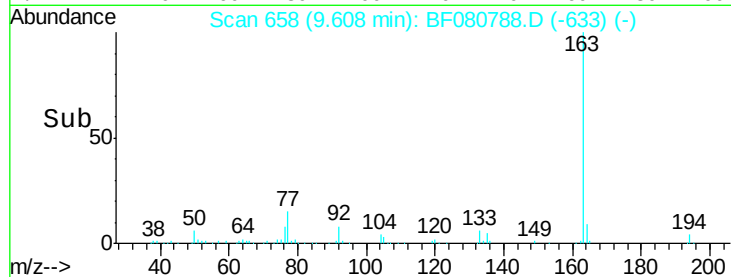
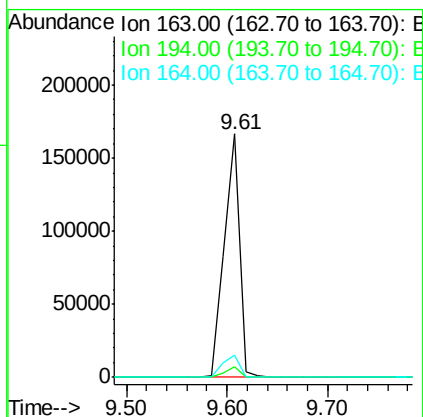
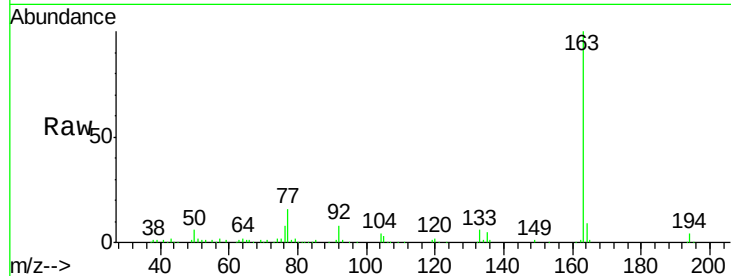




#49
Dimethylphthalate
Concen: 19.33 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

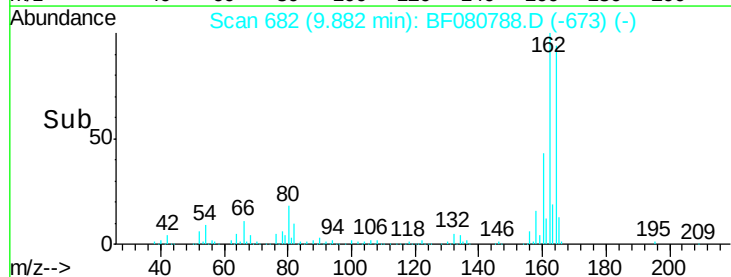
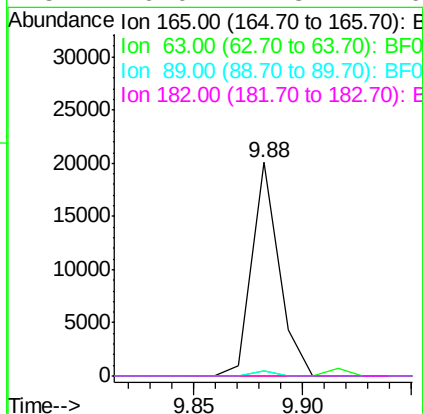
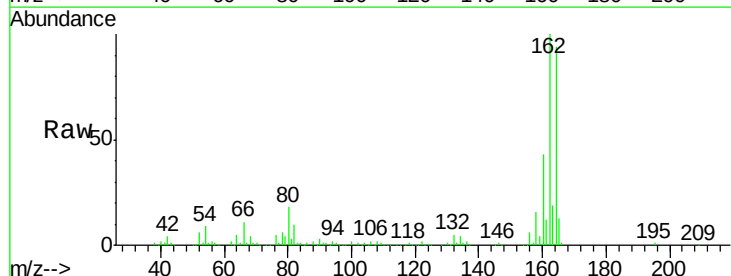
Instrument :
BNA_F
ClientSampleId :
BB-026CS-1(0-16FTBGS)

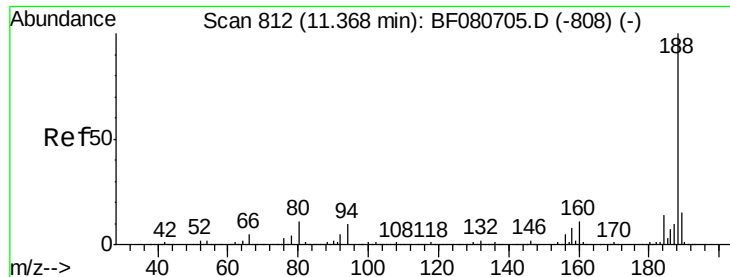
Tot Ion:163 Resp: 176928
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.3 8.7 13.1



#56
2,4-Dinitrotoluene
Concen: 6.84 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.19 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

Tgt Ion:165 Resp: 17432
Ion Ratio Lower Upper
165 100
63 2.1 46.7 70.1#
89 2.3 67.4 101.2#
182 0.0 1.8 2.6#

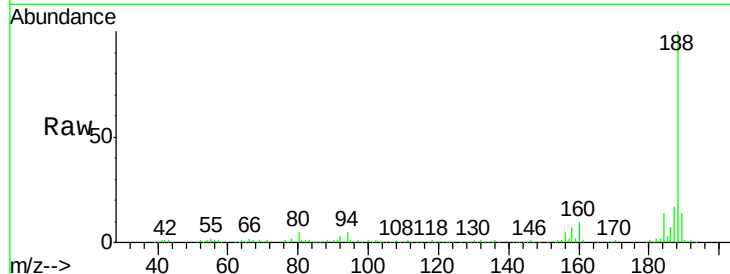




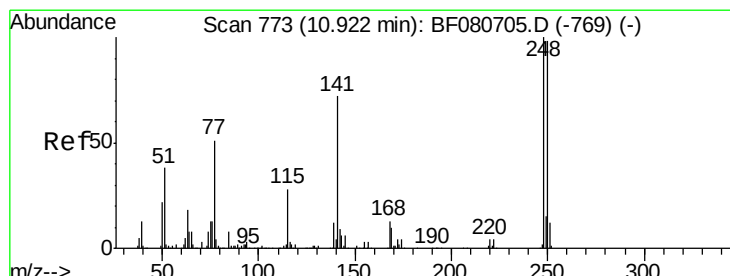
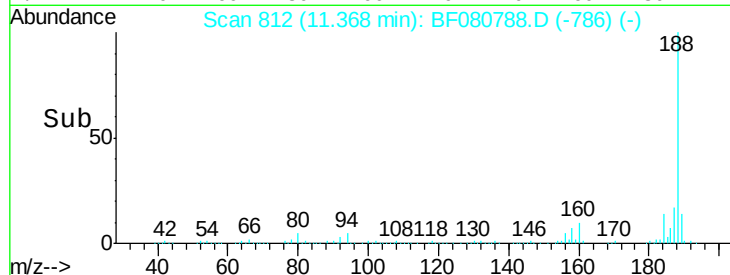
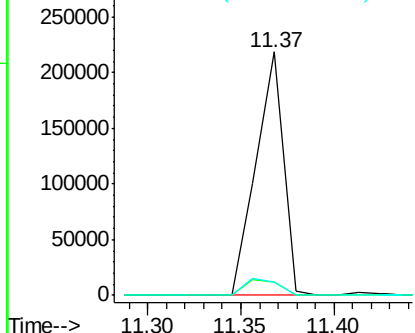
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

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

Tot Ion:188 Resp: 222561
Ion Ratio Lower Upper
188 100
94 5.2 8.1 12.1#
80 5.2 9.1 13.7#

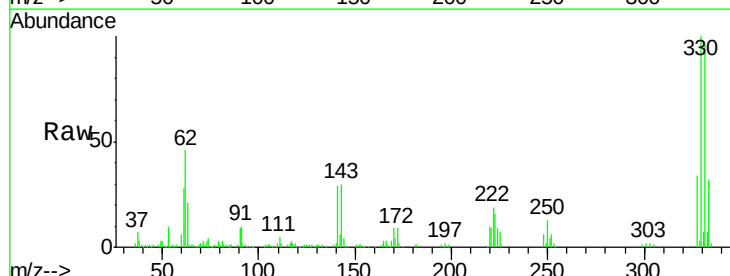


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

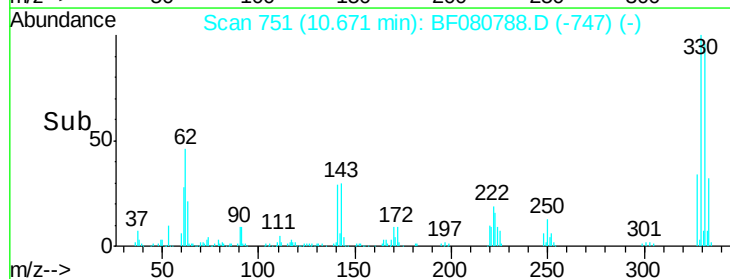
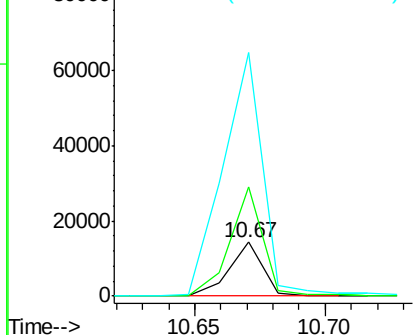


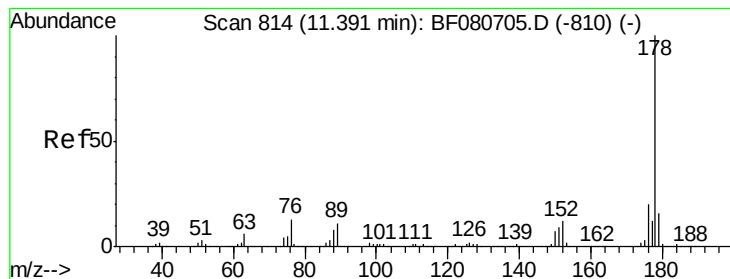
#66
4-Bromophenyl-phenylether
Concen: 5.51 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.25 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

Tgt Ion:248 Resp: 12667
Ion Ratio Lower Upper
248 100
250 203.6 78.4 117.6#
141 454.6 57.5 86.3#



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: 2.59 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

Instrument :

BNA_F

ClientSampleId :

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

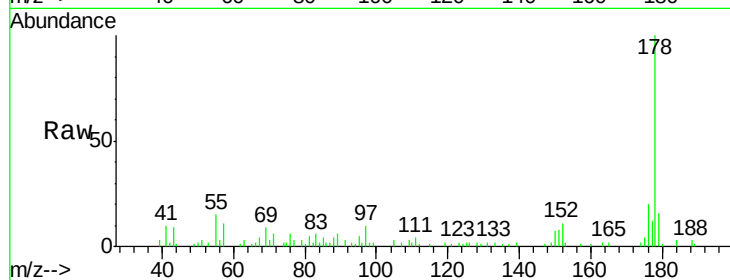
Tot Ion:178 Resp: 28987

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

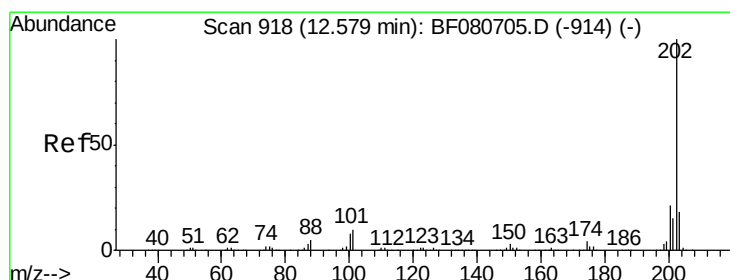
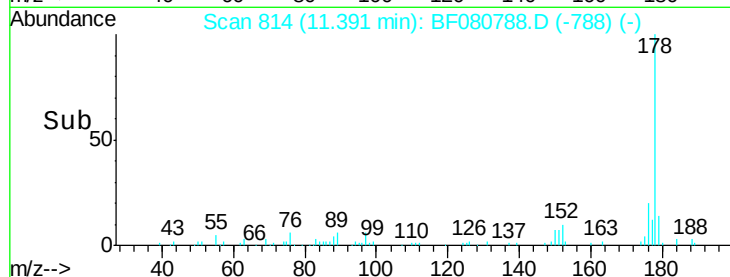
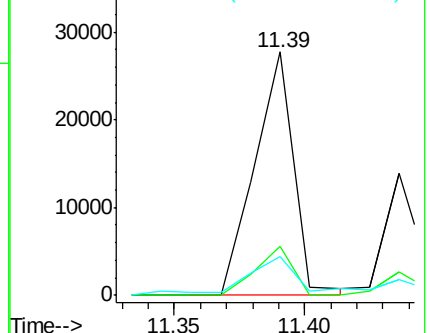
179 16.0 13.0 19.4



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



#74

Fluoranthene

Concen: 5.68 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

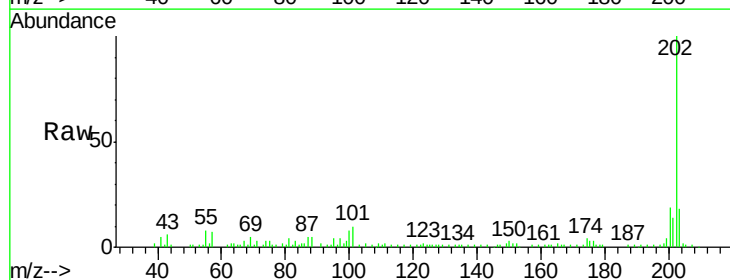
Tgt Ion:202 Resp: 61622

Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.6

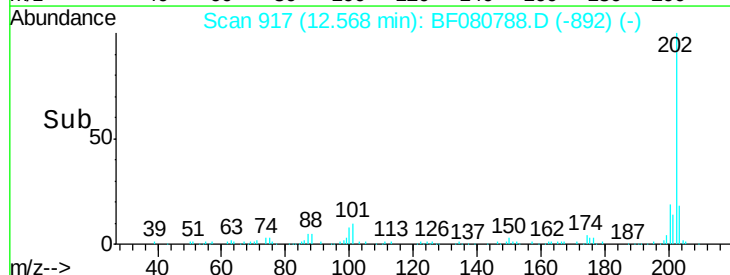
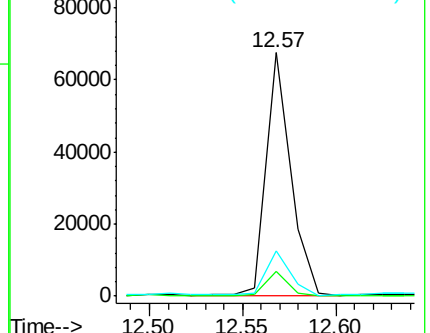
203 18.4 0.0 37.8

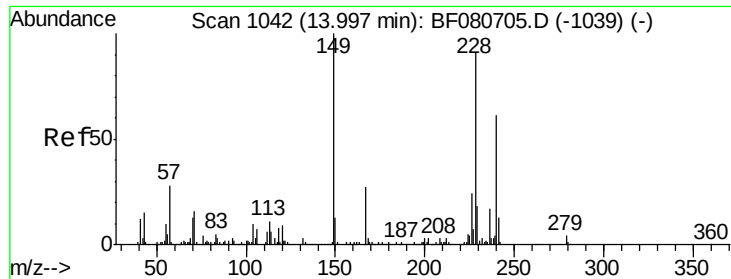


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

Instrument :

BNA_F

ClientSampleId :

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

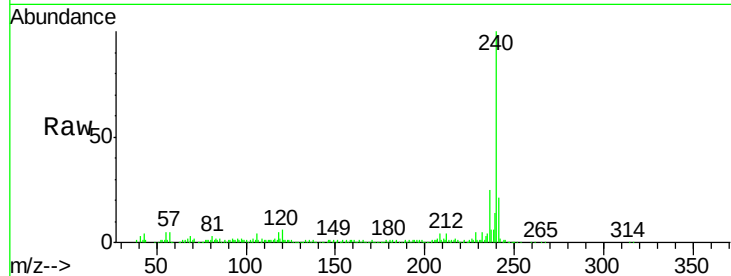
Tot Ion:240 Resp: 187069

Ion Ratio Lower Upper

240 100

120 5.7 11.8 17.8#

236 25.2 21.8 32.8

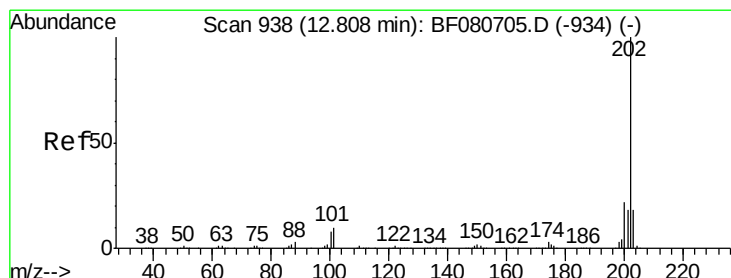
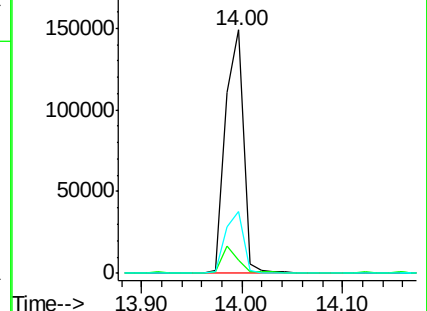
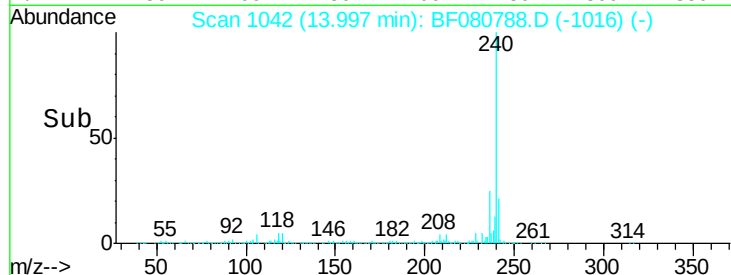


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.00



#77

Pyrene

Concen: 4.56 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

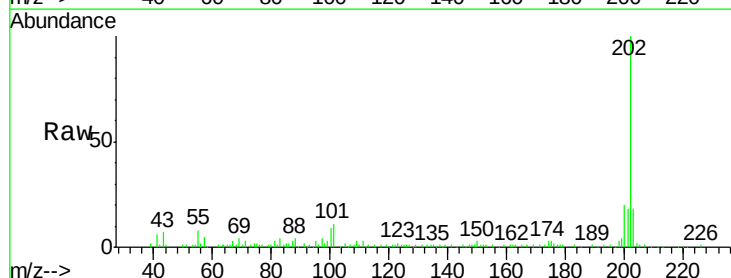
Tgt Ion:202 Resp: 66194

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

203 17.6 14.2 21.2

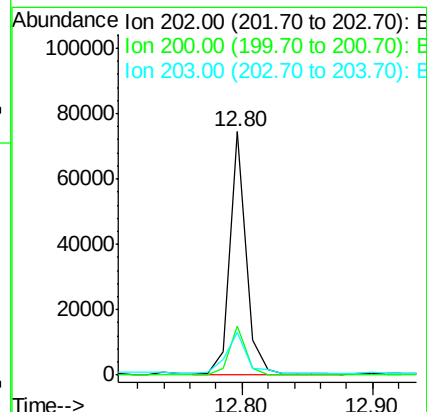
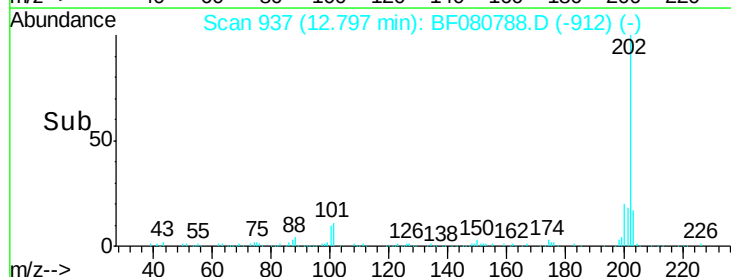


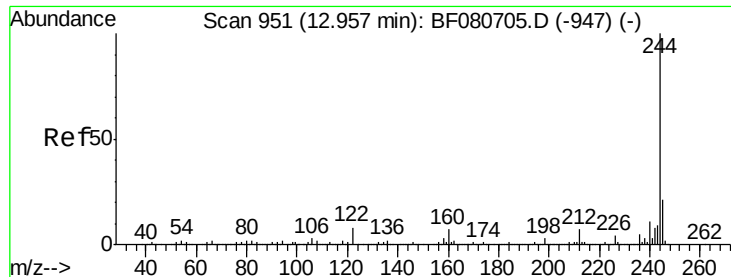
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.80

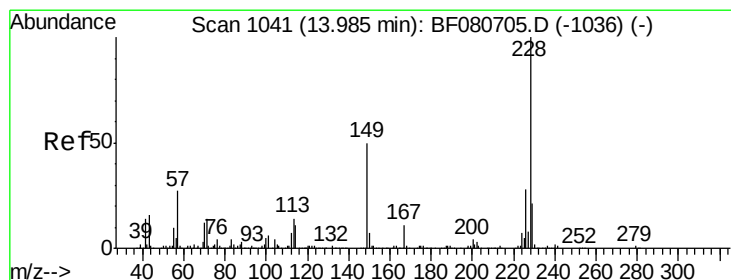
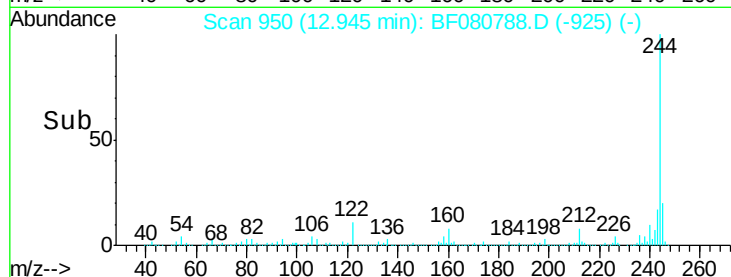
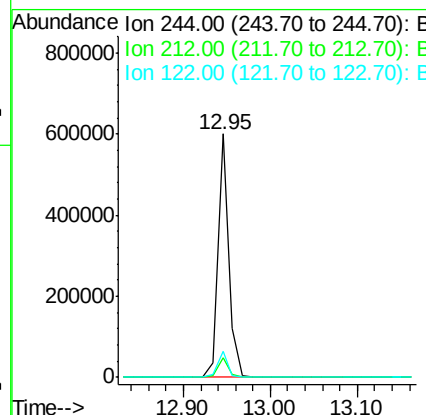
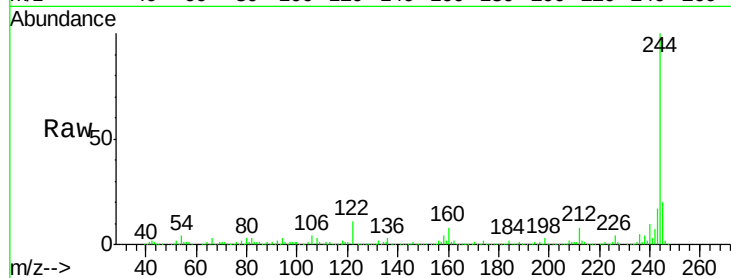




#78
 Terphenyl-d14
 Concen: 53.18 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.01 min
 Lab File: BF080788.D
 Acq: 1 Aug 2015 19:01

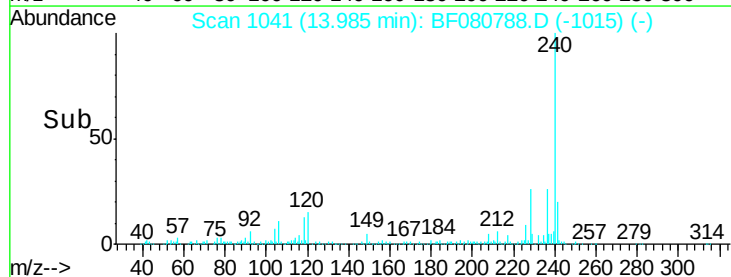
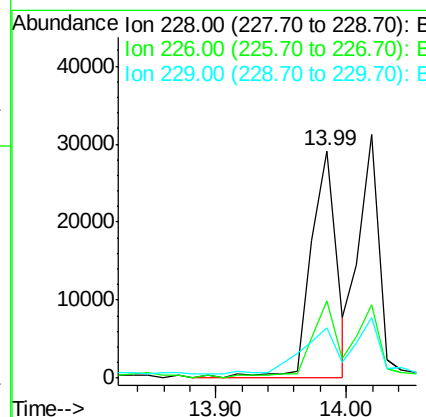
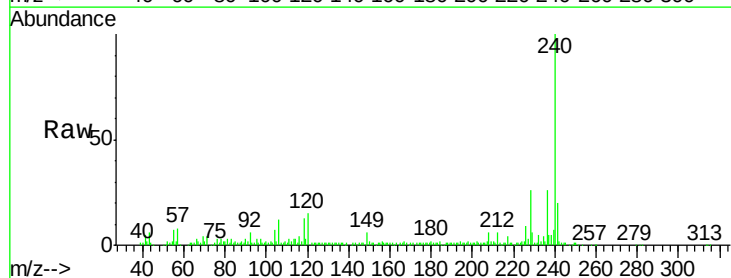
Instrument :
 BNA_F
 ClientSampleId :
 BB-026CS-1(0-16FTBGS)

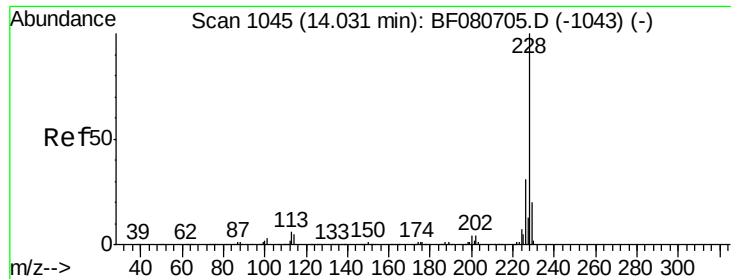
Tot Ion:244 Resp: 525973
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 10.9 6.6 9.8#



#80
 Benzo(a)anthracene
 Concen: 3.52 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF080788.D
 Acq: 1 Aug 2015 19:01

Tgt Ion:228 Resp: 39647
 Ion Ratio Lower Upper
 228 100
 226 33.8 22.6 33.8
 229 22.2 16.6 25.0





#82

Chrysene

Concen: 3.63 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.05 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

Instrument :

BNA_F

ClientSampleId :

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

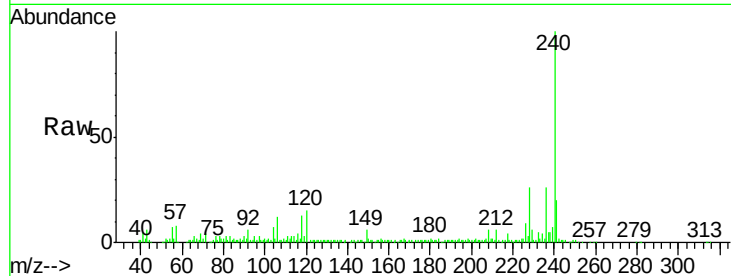
Tot Ion:228 Resp: 39647

Ion Ratio Lower Upper

228 100

226 33.8 25.1 37.7

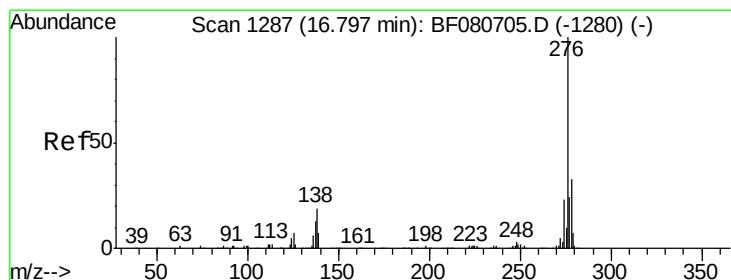
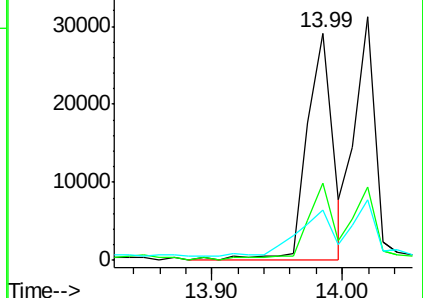
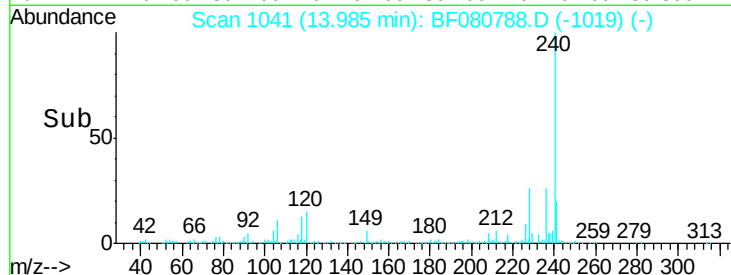
229 22.2 15.8 23.8



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: 5.87 ng

RT: 16.79 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF080788.D

Acq: 1 Aug 2015 19:01

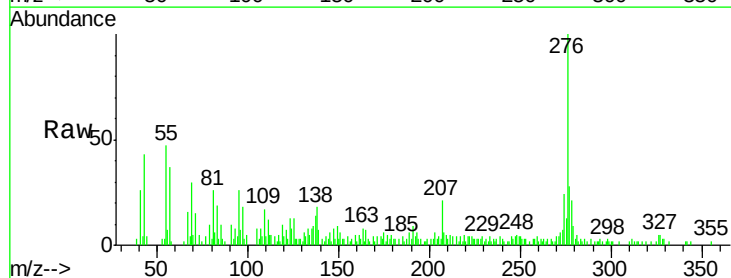
Tgt Ion:276 Resp: 33943

Ion Ratio Lower Upper

276 100

138 23.7 13.2 19.8#

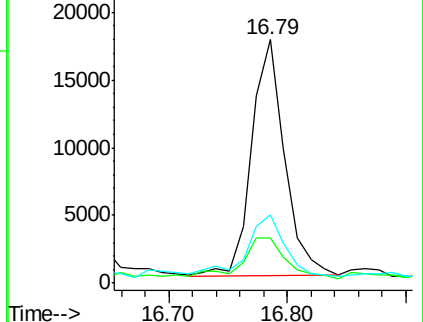
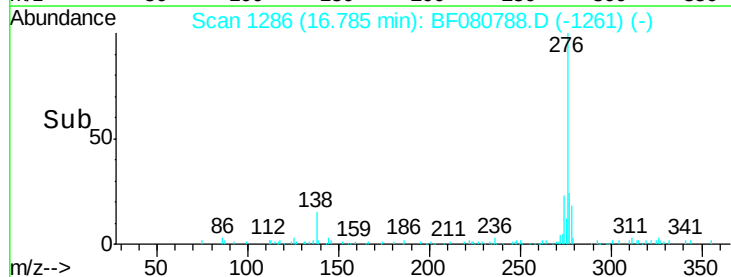
277 30.2 15.4 23.2#

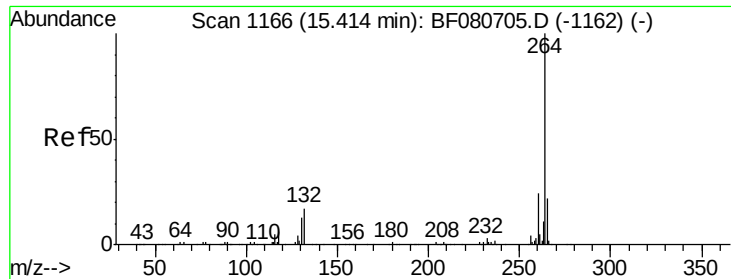


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

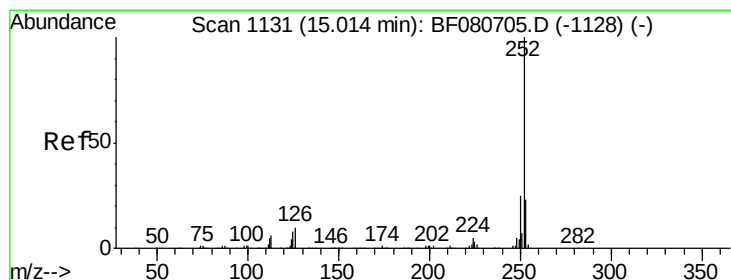
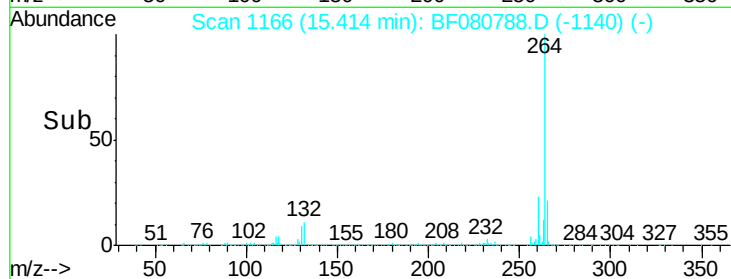
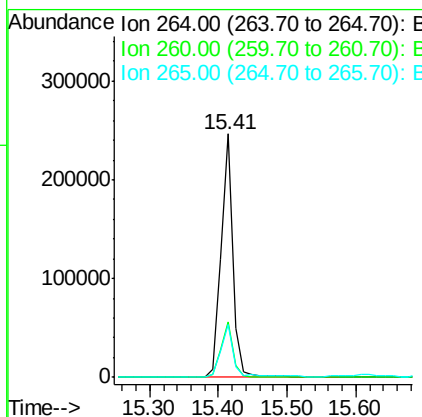
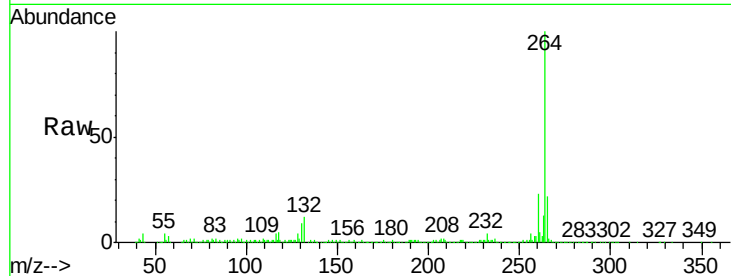




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

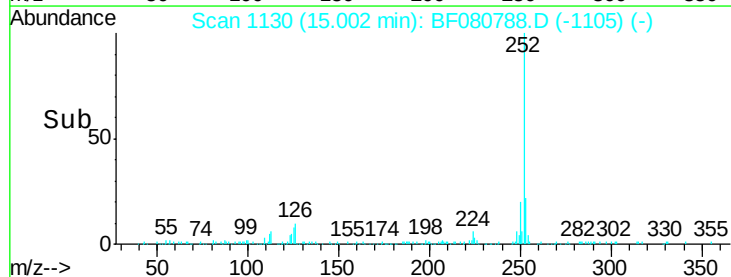
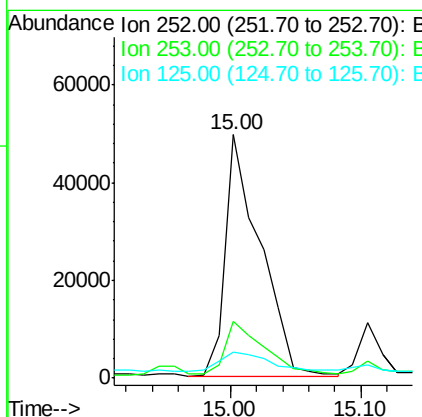
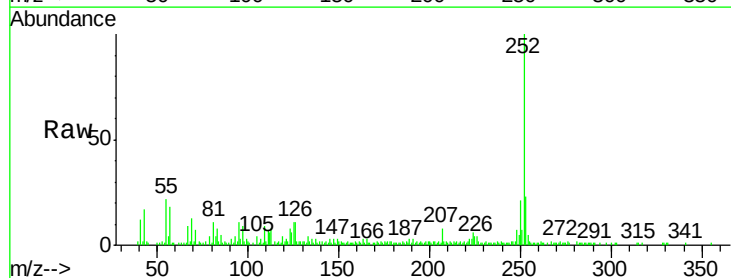
Instrument :
BNA_F
ClientSampleId :
BB-026CS-1(0-16FTBGS)

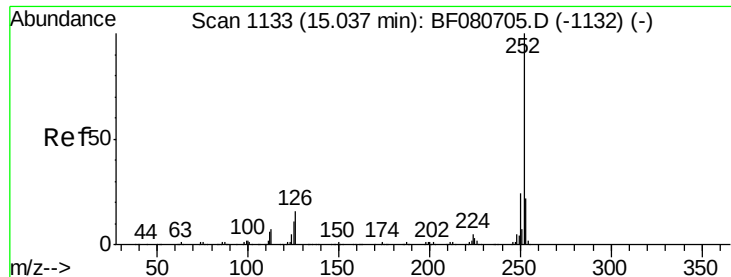
Tot Ion:264 Resp: 299729
Ion Ratio Lower Upper
264 100
260 22.8 19.4 29.0
265 21.6 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 5.16 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

Tgt Ion:252 Resp: 92367
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 10.9 6.2 9.2#

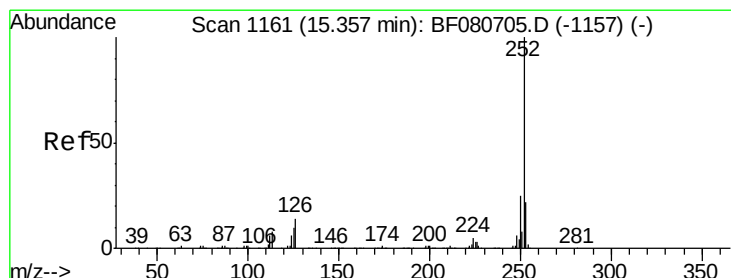
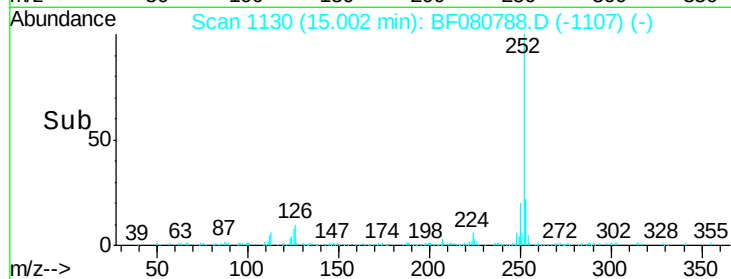
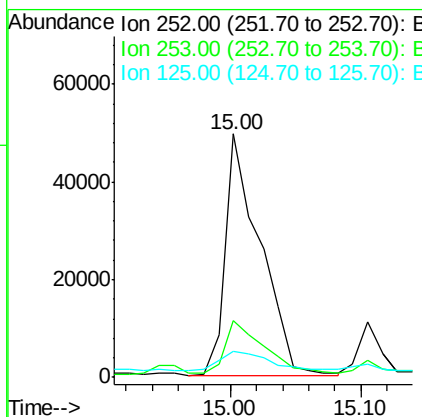
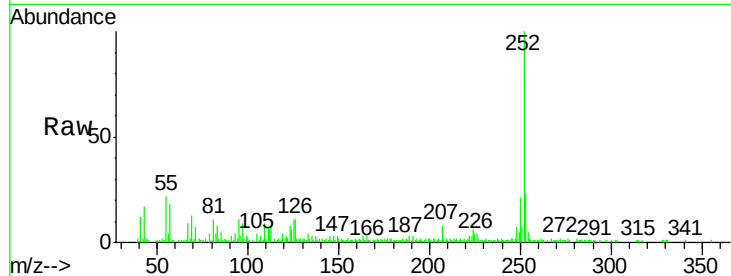




#88
Benzo(k)fluoranthene
Concen: 6.27 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

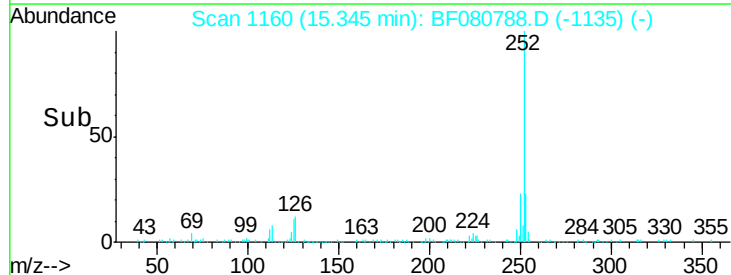
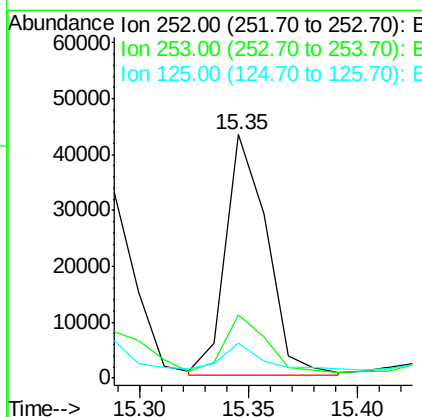
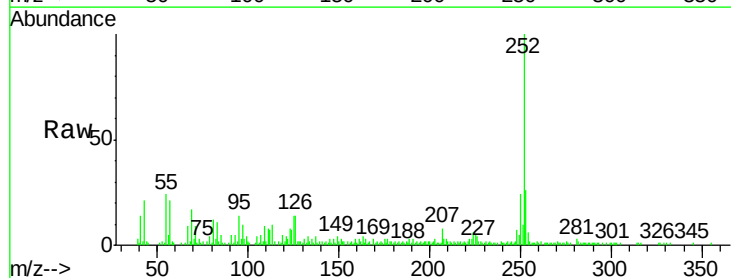
Instrument :
BNA_F
ClientSampleId :
BB-026CS-1(0-16FTBGS)

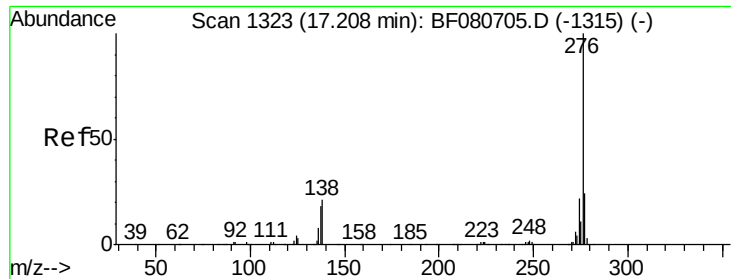
Tot Ion:252 Resp: 92367
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 10.9 9.0 13.4



#89
Benzo(a)pyrene
Concen: 3.86 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF080788.D
Acq: 1 Aug 2015 19:01

Tgt Ion:252 Resp: 56670
Ion Ratio Lower Upper
252 100
253 26.0 17.2 25.8#
125 14.4 8.2 12.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.68 ng
 RT: 17.20 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF080788.D
 Acq: 1 Aug 2015 19:01

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.9	28.3
138	20.5	16.9	25.3

