

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080115\
 Data File : BF080794.D
 Acq On : 1 Aug 2015 22:07
 Operator : TP/UM
 Sample : G3121-04 5X
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-1(0-19FTBGS)

Quant Time: Aug 03 03:51:05 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

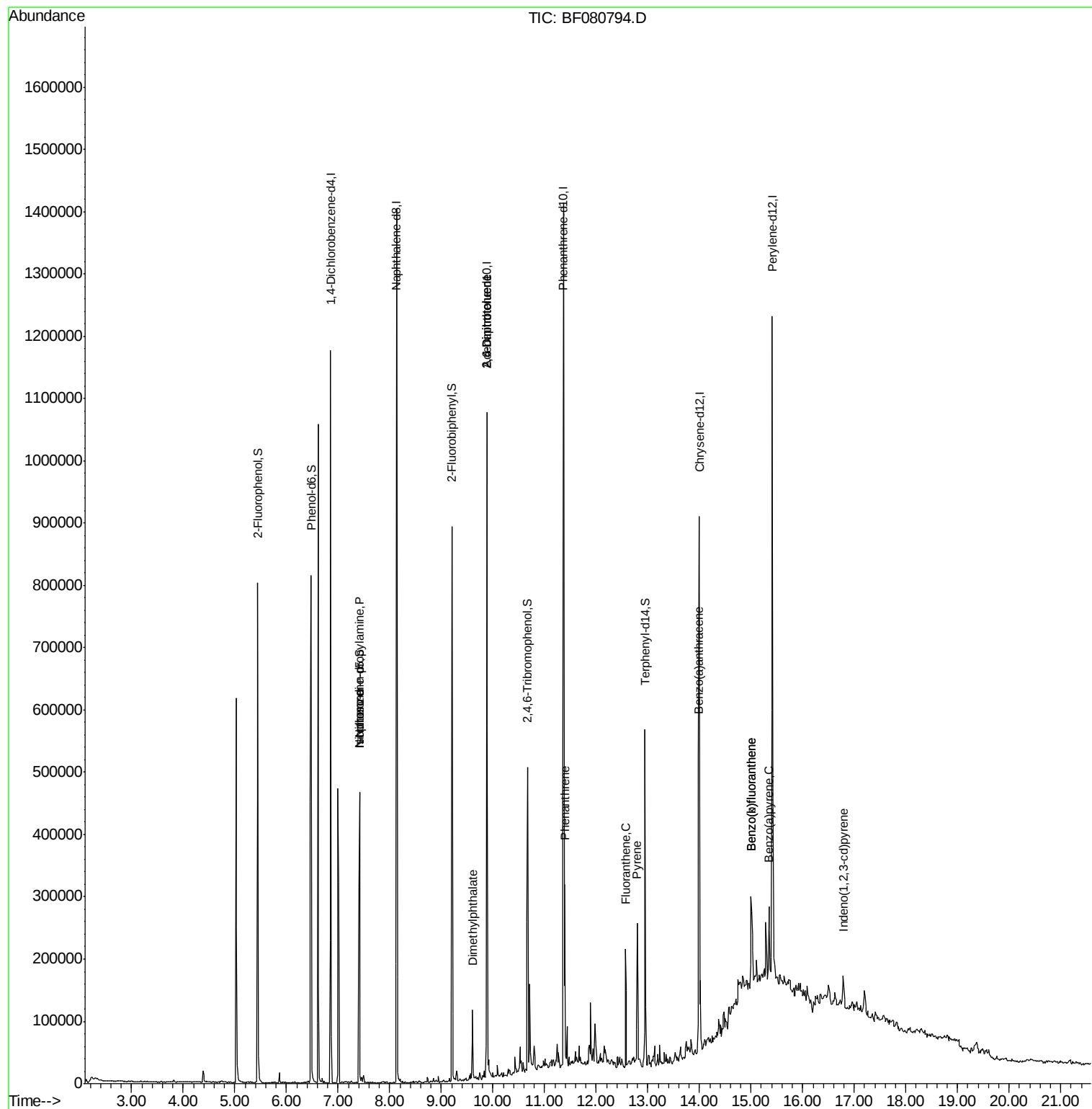
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	157416	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	552554	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	238317	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	513895	20.00	ng	0.00
75) Chrysene-d12	14.00	240	309363	20.00	ng	0.00
86) Perylene-d12	15.41	264	478143	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	233864	25.49	ng	0.00
7) Phenol-d6	6.48	99	325297	26.04	ng	-0.01
23) Nitrobenzene-d5	7.41	82	182012	15.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	65712	26.57	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	257509	16.12	ng	-0.01
78) Terphenyl-d14	12.95	244	152693	9.33	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.48	77	357	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	23968	2.85 ng	#	67
25) Isophorone	7.41	82	179964	8.87 ng	#	71
49) Dimethylphthalate	9.61	163	55754	3.32 ng		99
50) 2,6-Dinitrotoluene	9.88	165	30403	8.53 ng	#	15
56) 2,4-Dinitrotoluene	9.88	165	30404	6.50 ng	#	16
70) Phenanthrene	11.39	178	103533	4.00 ng		96
74) Fluoranthene	12.57	202	95433	3.81 ng		96
77) Pyrene	12.80	202	94441	3.94 ng		98
80) Benzo(a)anthracene	13.99	228	55919	3.01 ng		95
85) Indeno(1,2,3-cd)pyrene	16.79	276	32284	4.49 ng	#	78
87) Benzo(b)fluoranthene	15.00	252	106139	3.72 ng	#	96
88) Benzo(k)fluoranthene	15.00	252	106139	4.52 ng		98
89) Benzo(a)pyrene	15.35	252	61334	2.62 ng	#	92

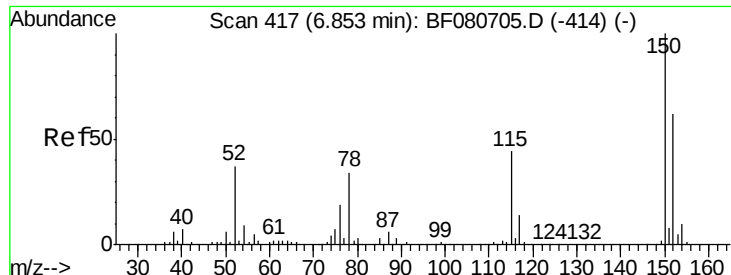
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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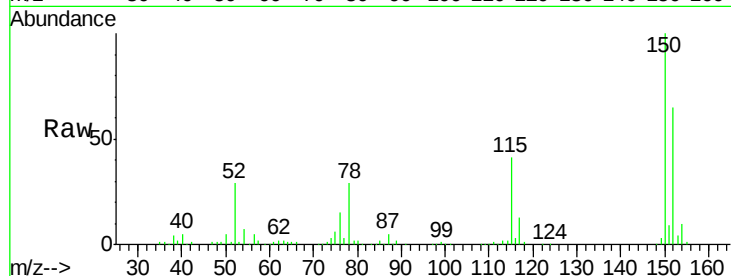


#1

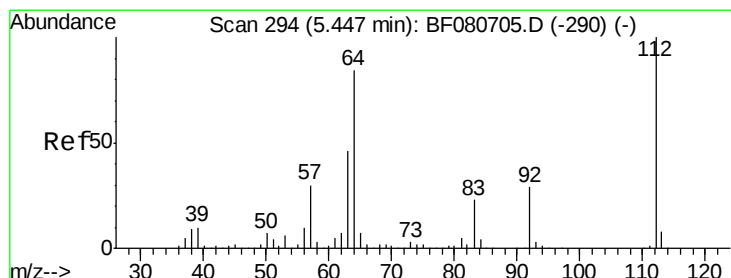
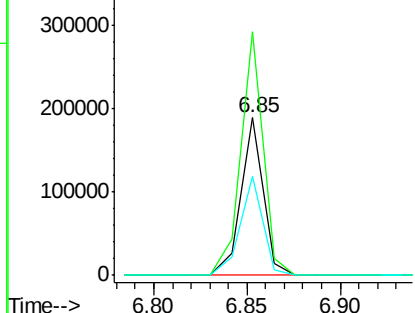
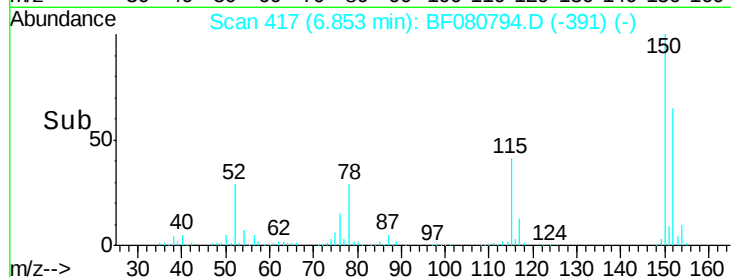
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.00 min
Lab File: BF080794.D
Acq: 1 Aug 2015 22:07

Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-1(0-19FTBGS)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	129.6	194.4
115	63.2	56.6	85.0



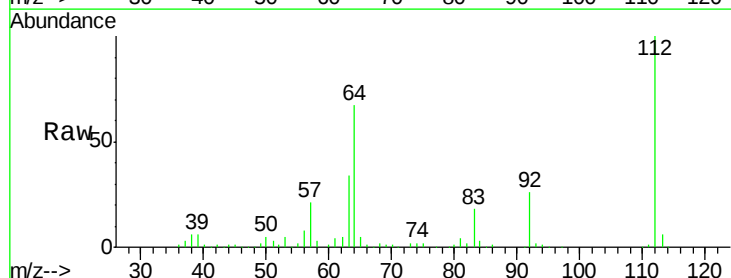
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



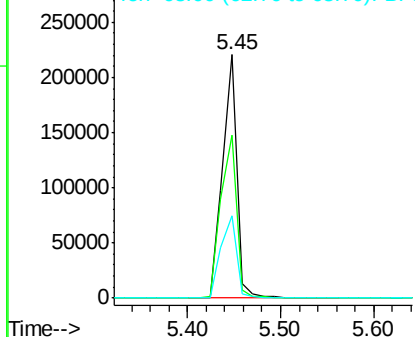
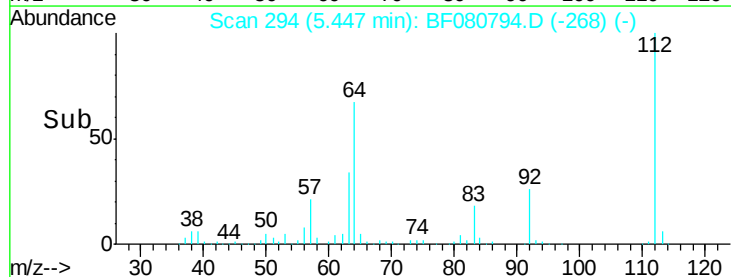
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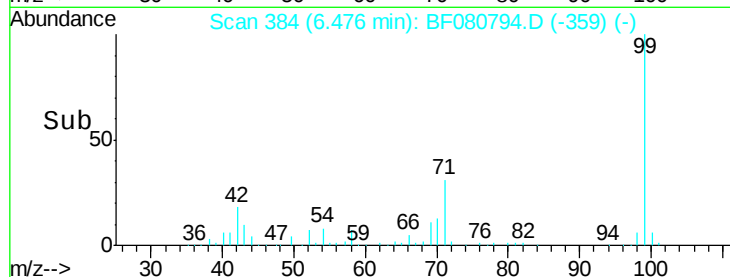
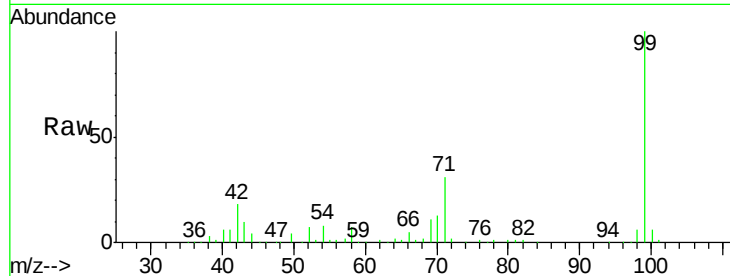
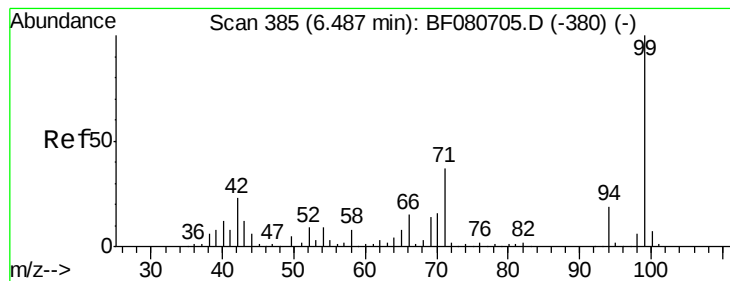
2-Fluorophenol
Concen: 25.49 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.00 min
Lab File: BF080794.D
Acq: 1 Aug 2015 22:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	66.8	100.2
63	33.9	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: 26.04 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-1(0-19FTBGS)

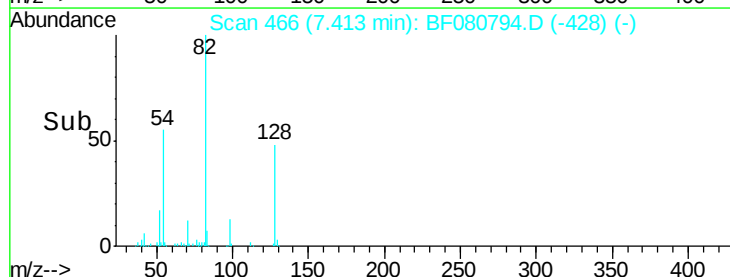
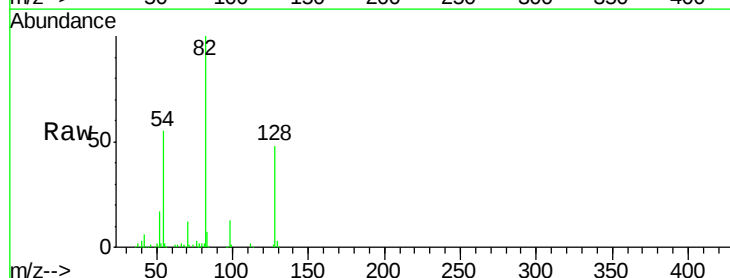
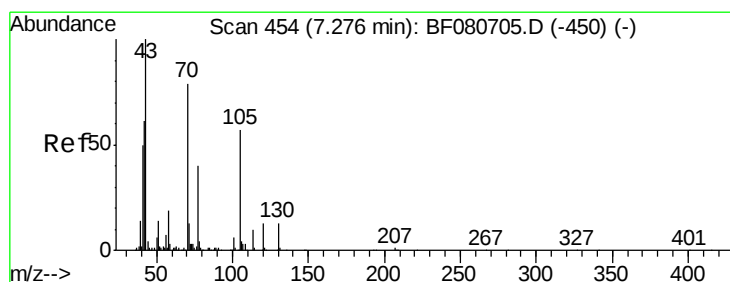
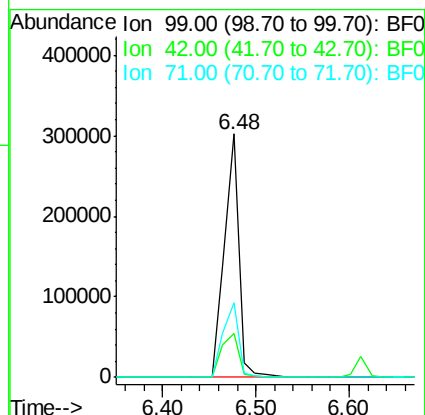
Tot Ion: 99 Resp: 325297

Ion Ratio Lower Upper

99 100

42 17.8 18.2 27.2#

71 30.9 29.5 44.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.85 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

Tgt Ion: 70 Resp: 23968

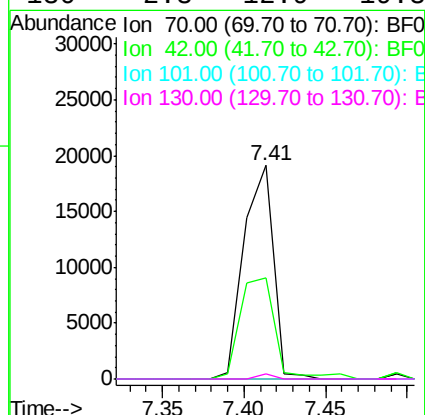
Ion Ratio Lower Upper

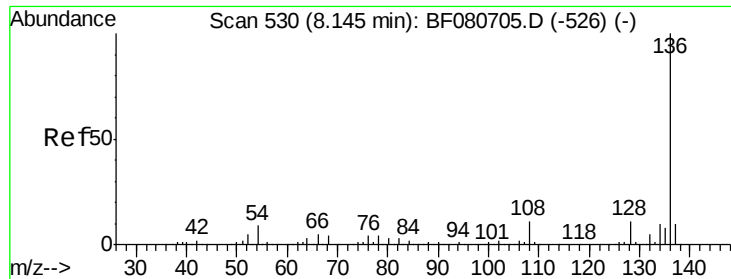
70 100

42 47.6 61.8 92.6#

101 0.0 6.1 9.1#

130 2.3 12.9 19.3#

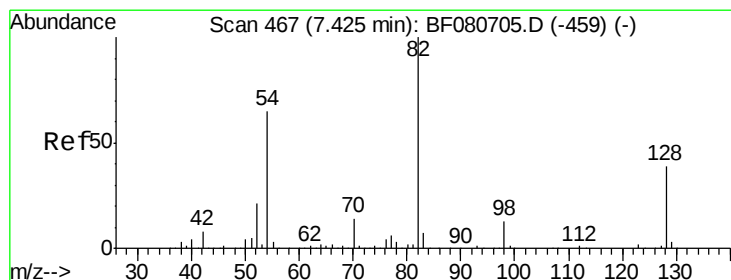
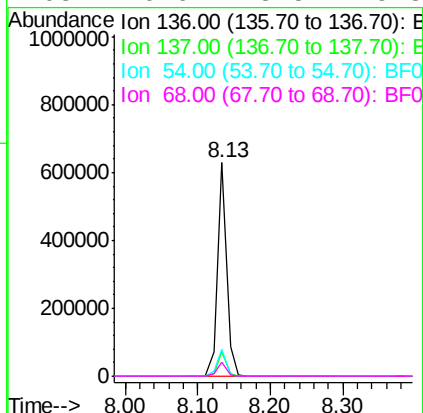
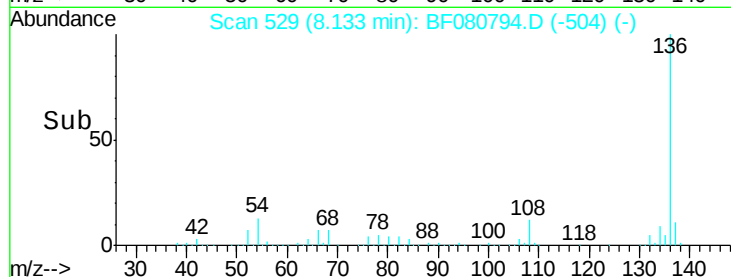
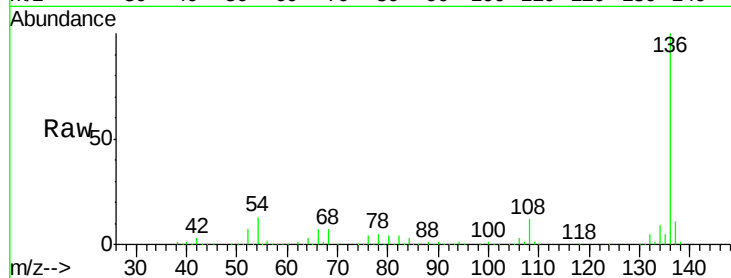




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF080794.D
Acq: 1 Aug 2015 22:07

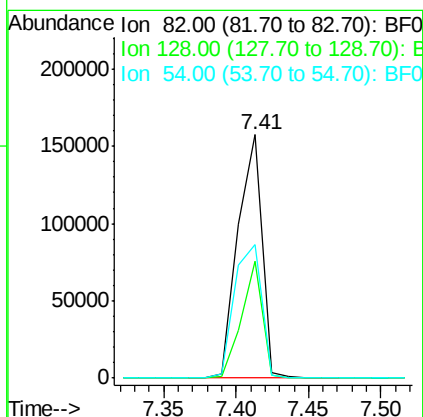
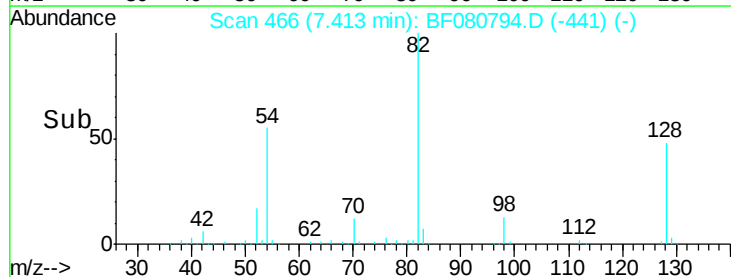
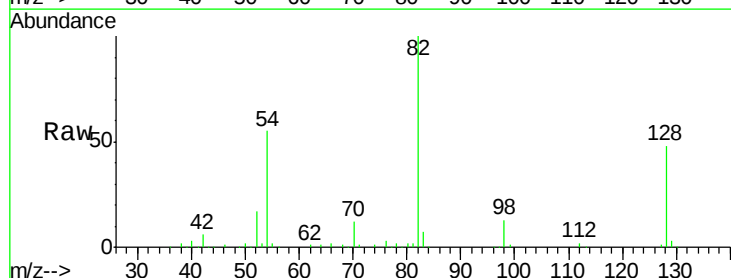
Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-1(0-19FTBGS)

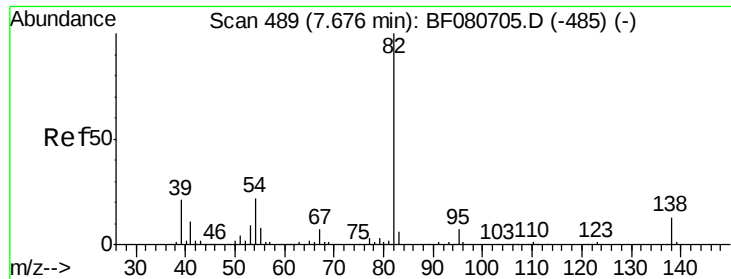
Tot Ion:136	Resp:	552554
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.4 12.6
54	12.8	6.9 10.3#
68	6.6	3.5 5.3#



#23
Nitrobenzene-d5
Concen: 15.95 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF080794.D
Acq: 1 Aug 2015 22:07

Tgt Ion: 82	Resp:	182012
Ion Ratio	Lower	Upper
82	100	
128	48.0	31.5 47.3#
54	54.8	51.8 77.8





#25

Isophorone

Concen: 8.87 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-1(0-19FTBGS)

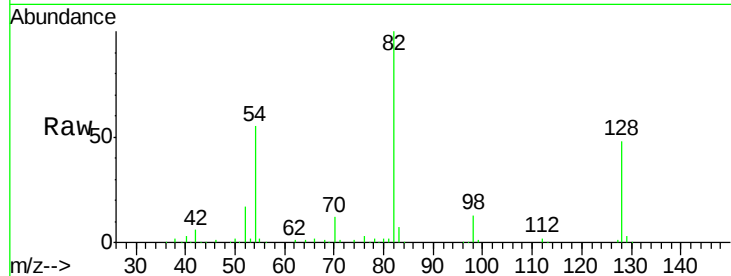
Tot Ion: 82 Resp: 179964

Ion Ratio Lower Upper

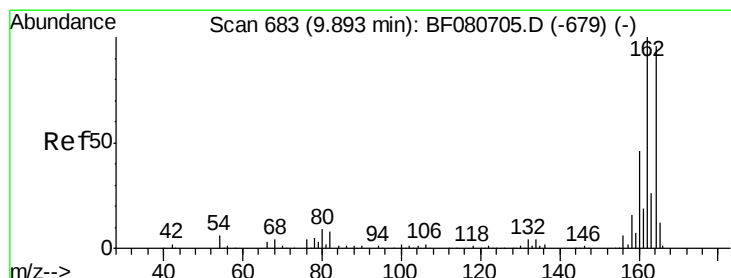
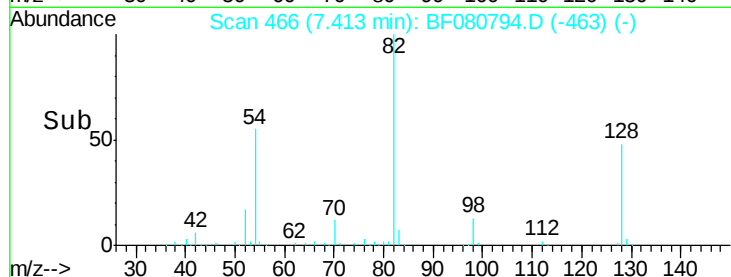
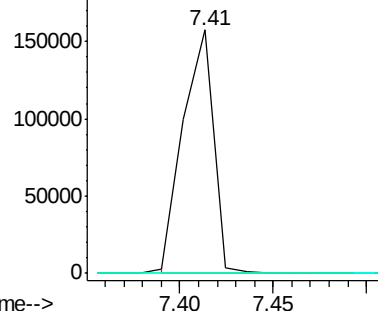
82 100

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: BF080794.D

Acq: 1 Aug 2015 22:07

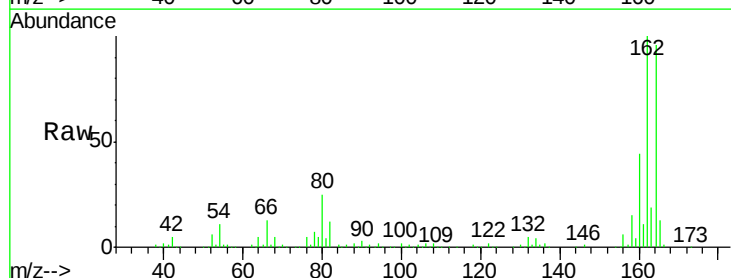
Tgt Ion: 164 Resp: 238317

Ion Ratio Lower Upper

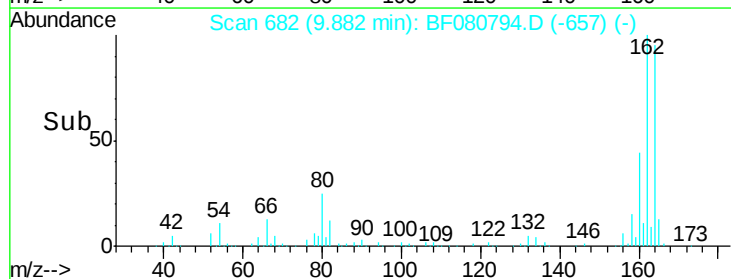
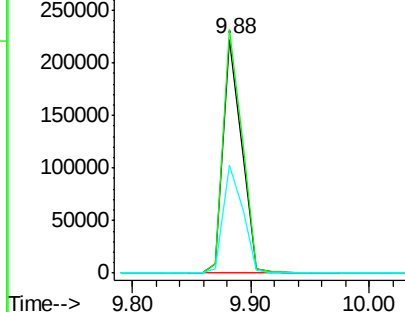
164 100

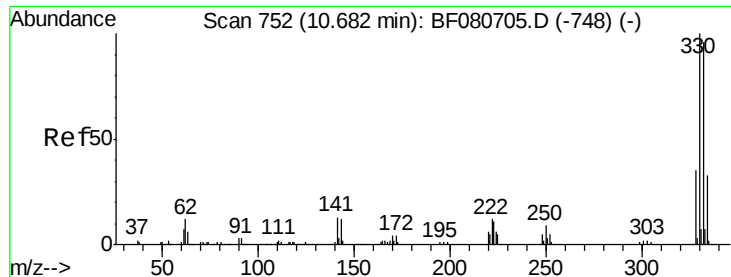
162 104.3 83.4 125.0

160 46.4 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

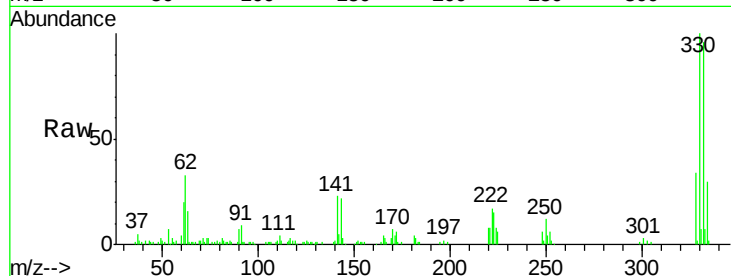




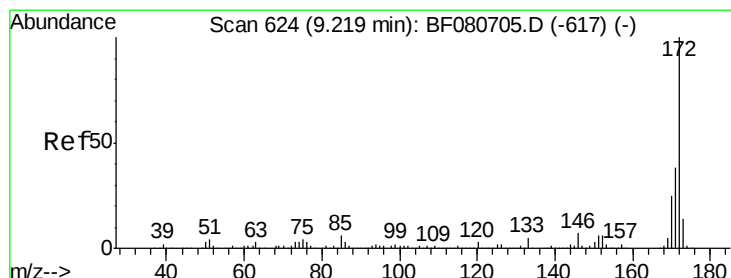
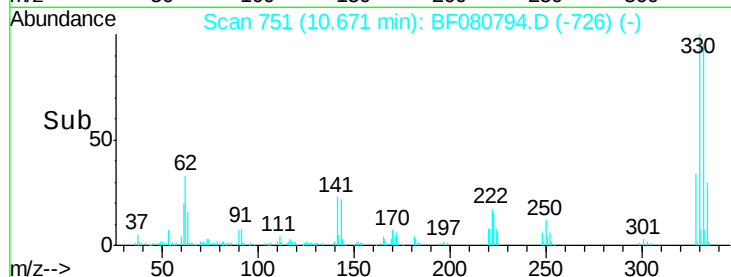
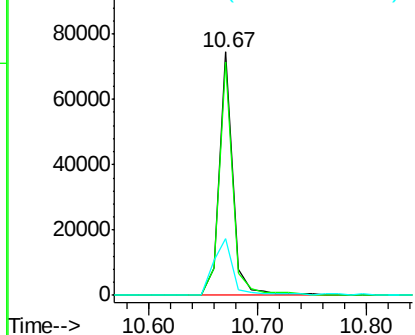
#41
 2,4,6-Tribromophenol
 Concen: 26.57 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF080794.D
 Acq: 1 Aug 2015 22:07

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-1(0-19FTBGS)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	114.8
141	33.5	26.0	39.0

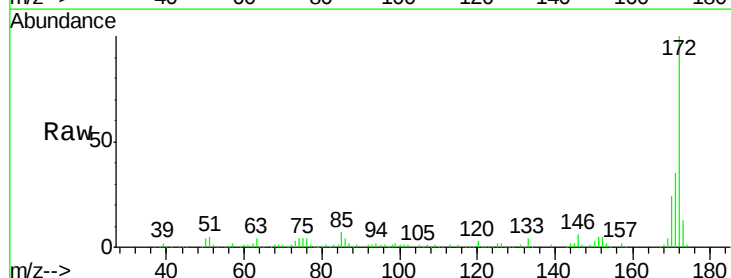


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

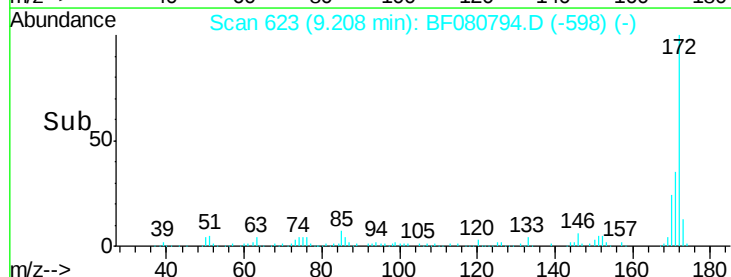
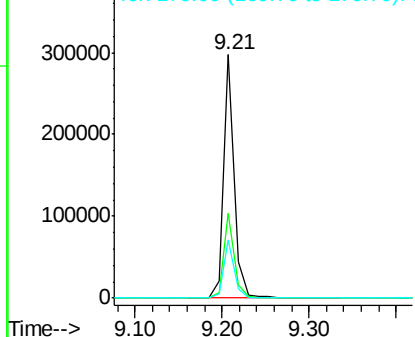


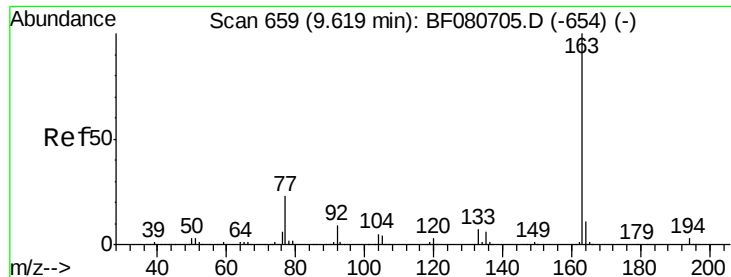
#44
 2-Fluorobiphenyl
 Concen: 16.12 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF080794.D
 Acq: 1 Aug 2015 22:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.2	45.4
170	23.7	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

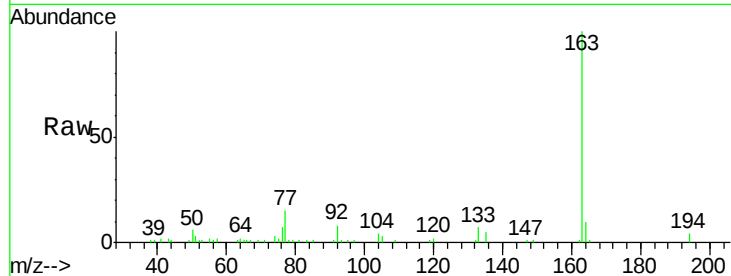




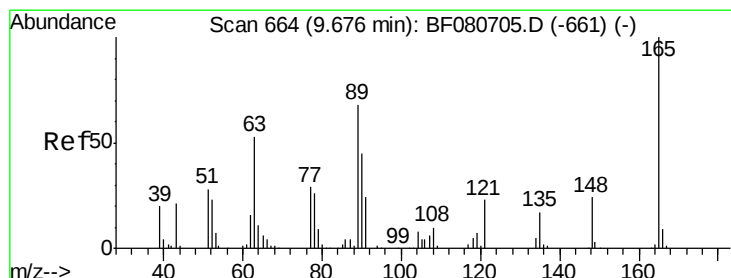
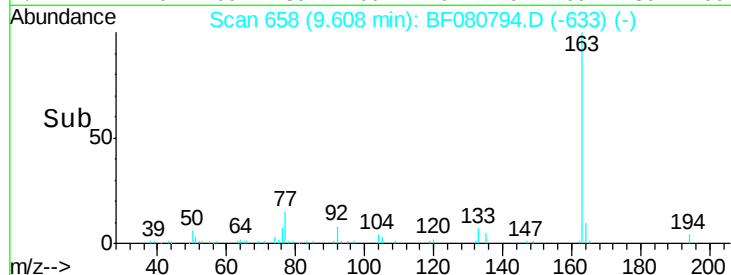
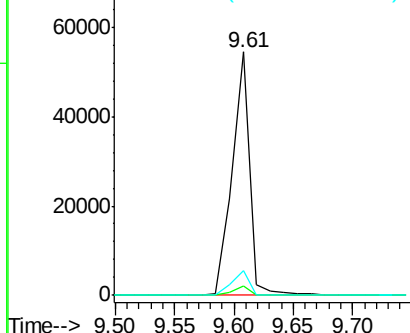
#49
Dimethylphthalate
Concen: 3.32 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF080794.D
Acq: 1 Aug 2015 22:07

Instrument :
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ClientSampleId :
NCQ-077CS-1(0-19FTBGS)

Tot Ion:163 Resp: 55754
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.4 8.7 13.1

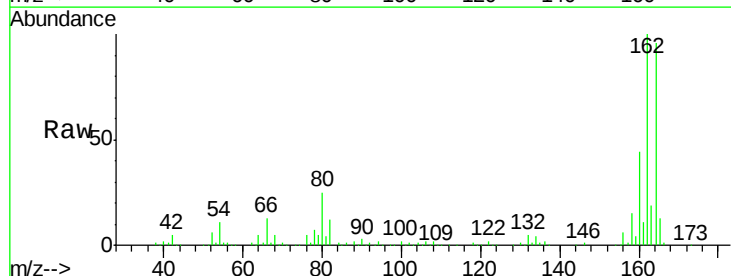


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

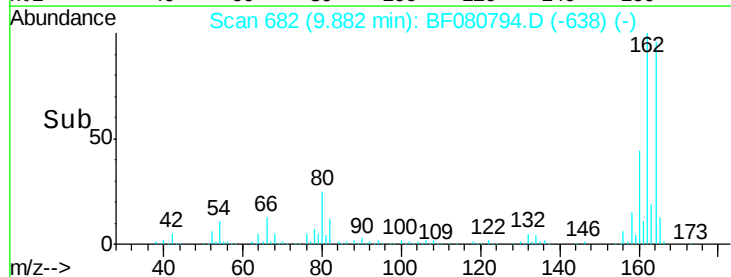
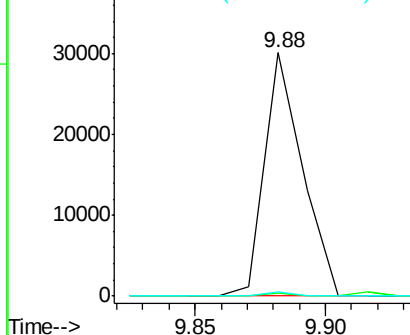


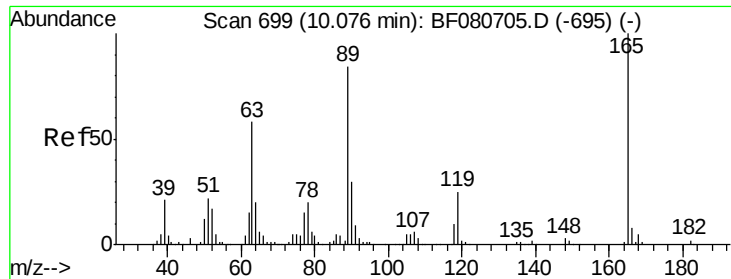
#50
2,6-Dinitrotoluene
Concen: 8.53 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.21 min
Lab File: BF080794.D
Acq: 1 Aug 2015 22:07

Tgt Ion:165 Resp: 30403
Ion Ratio Lower Upper
165 100
63 1.5 62.3 93.5#
89 1.5 54.8 82.2#



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

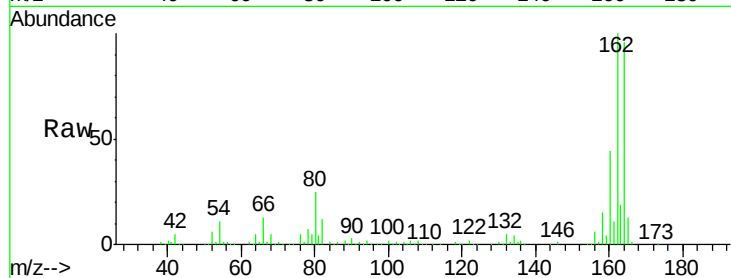




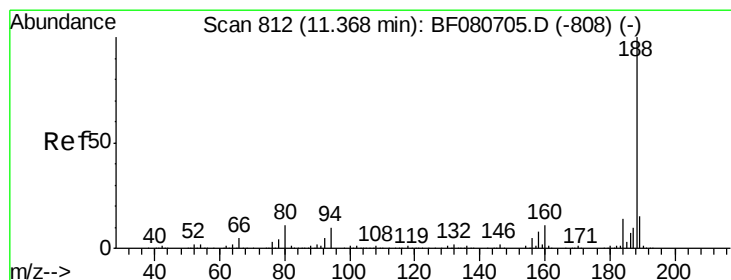
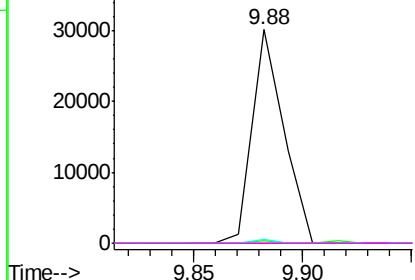
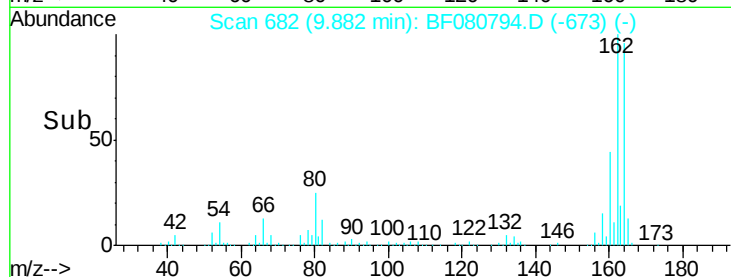
#56
 2,4-Dinitrotoluene
 Concen: 6.50 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.19 min
 Lab File: BF080794.D
 Acq: 1 Aug 2015 22:07

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-1(0-19FTBGS)

Tot Ion:165 Resp: 30404
 Ion Ratio Lower Upper
 165 100
 63 1.5 46.7 70.1#
 89 1.5 67.4 101.2#
 182 0.0 1.8 2.6#

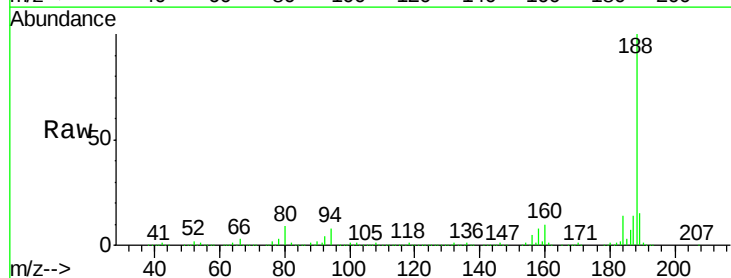


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

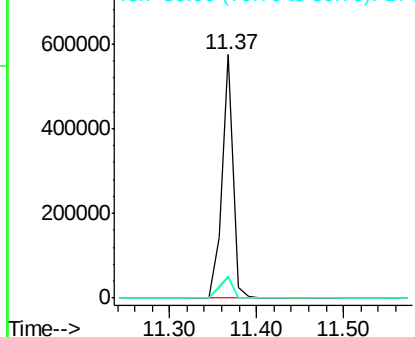
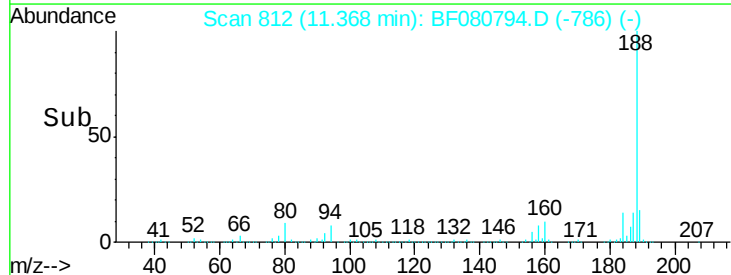


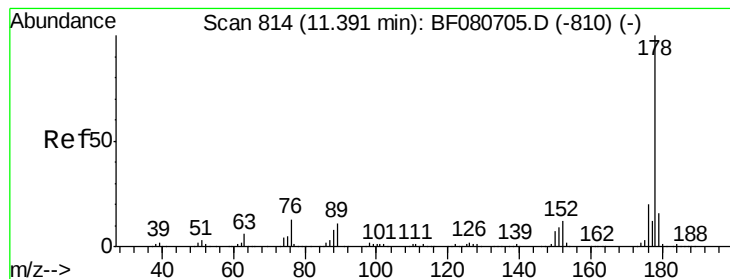
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF080794.D
 Acq: 1 Aug 2015 22:07

Tgt Ion:188 Resp: 513895
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.1 12.1
 80 9.0 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





#70

Phenanthrene

Concen: 4.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-1(0-19FTBGS)

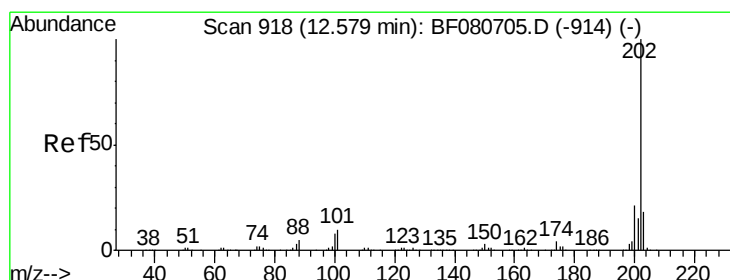
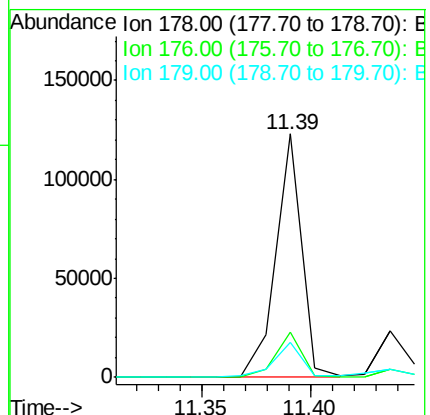
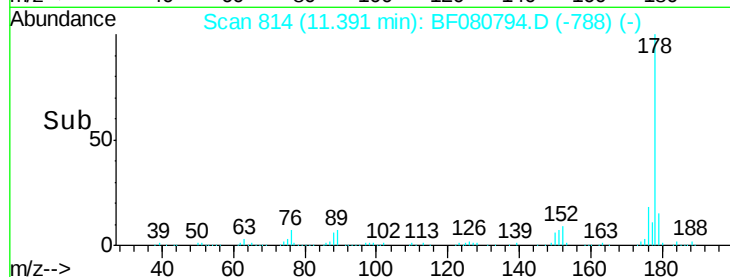
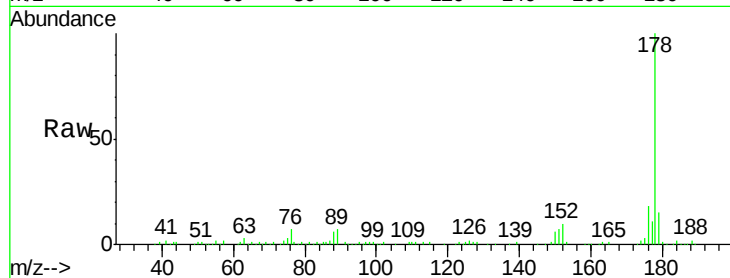
Tot Ion:178 Resp: 103533

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.4

179 14.6 13.0 19.4



#74

Fluoranthene

Concen: 3.81 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

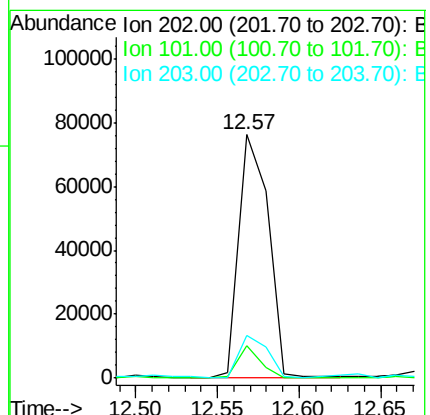
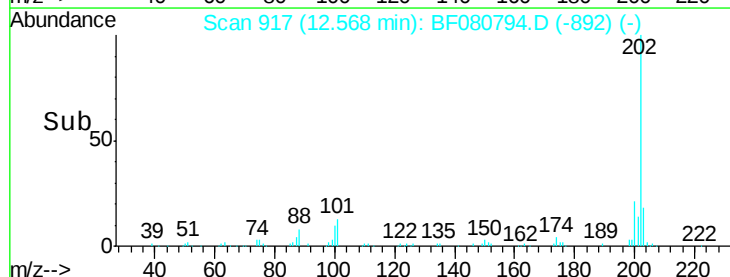
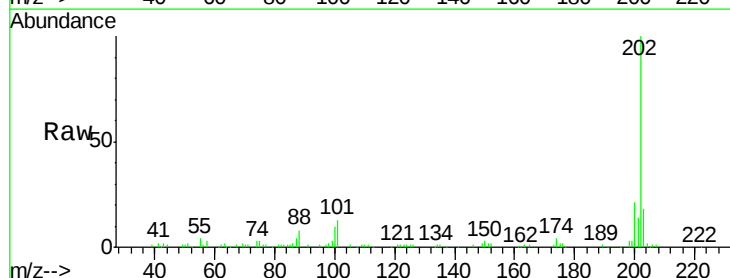
Tgt Ion:202 Resp: 95433

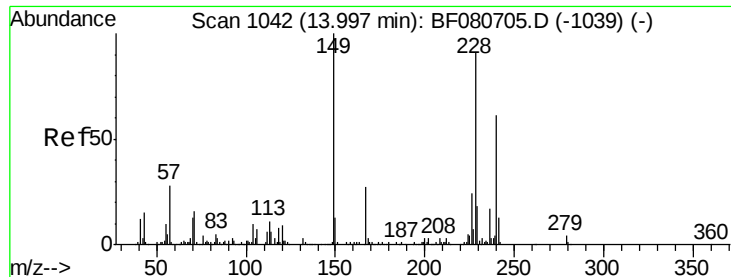
Ion Ratio Lower Upper

202 100

101 13.2 0.0 29.6

203 17.6 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-1(0-19FTBGS)

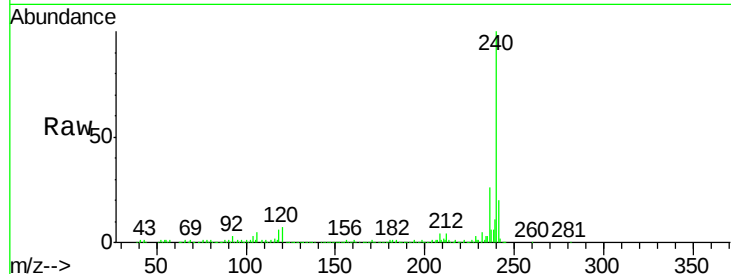
Tot Ion:240 Resp: 309363

Ion Ratio Lower Upper

240 100

120 7.4 11.8 17.8#

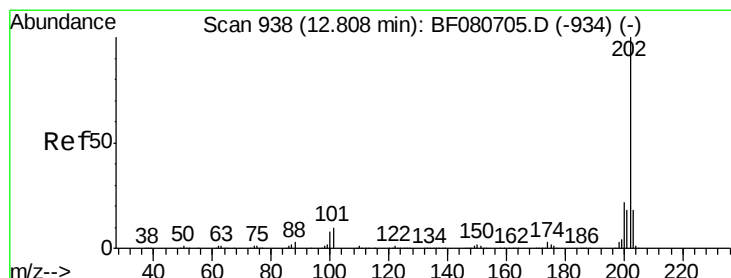
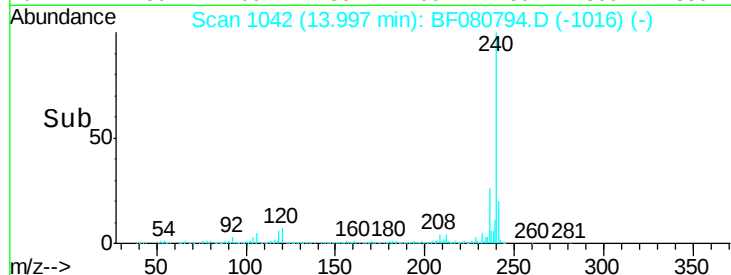
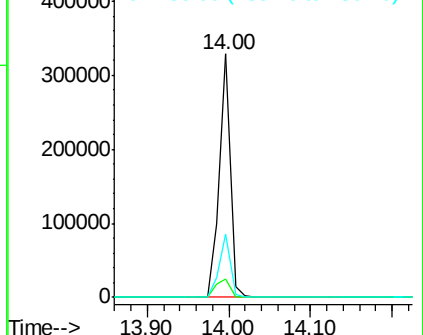
236 26.1 21.8 32.8



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



#77

Pyrene

Concen: 3.94 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

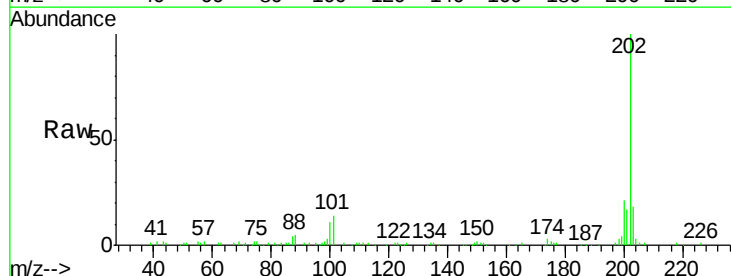
Tgt Ion:202 Resp: 94441

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

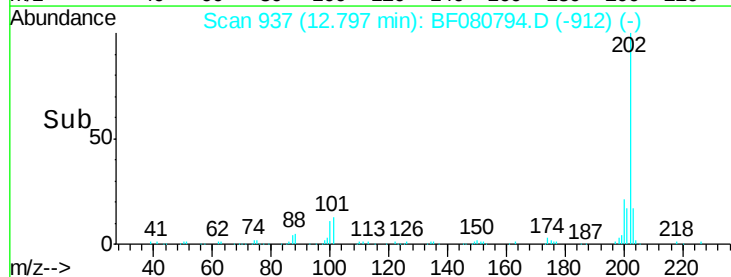
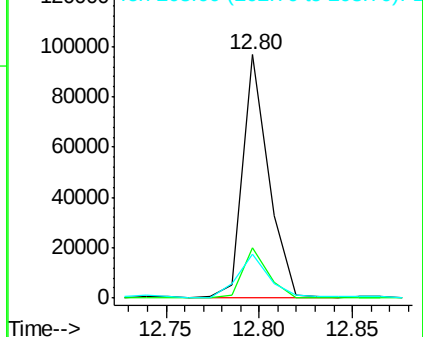
203 18.2 14.2 21.2

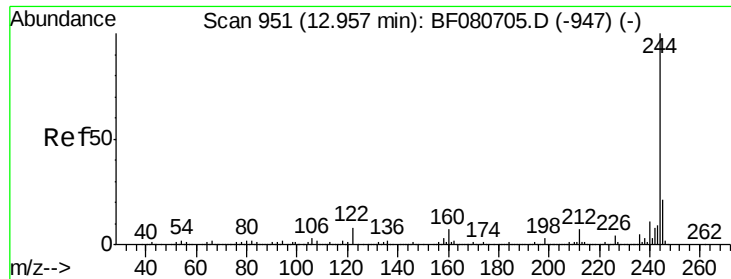


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.33 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-1(0-19FTBGS)

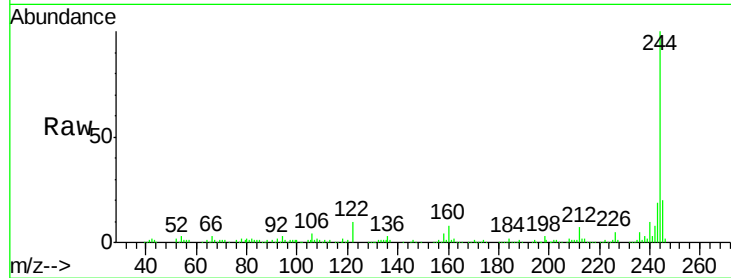
Tot Ion:244 Resp: 152693

Ion Ratio Lower Upper

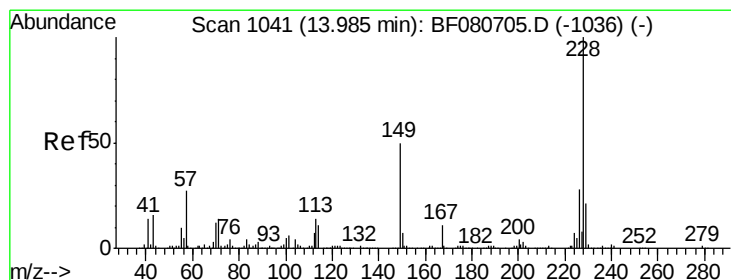
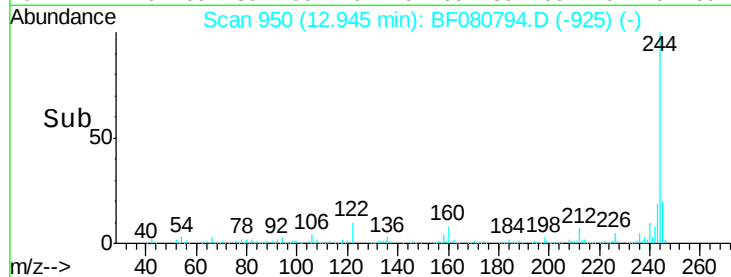
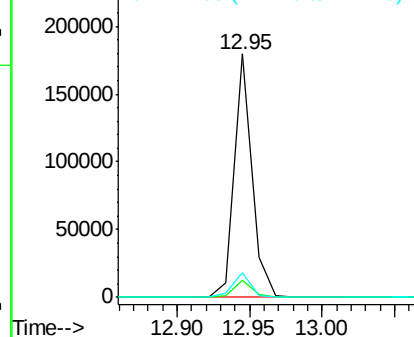
244 100

212 6.9 5.9 8.9

122 10.1 6.6 9.8#



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: 3.01 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

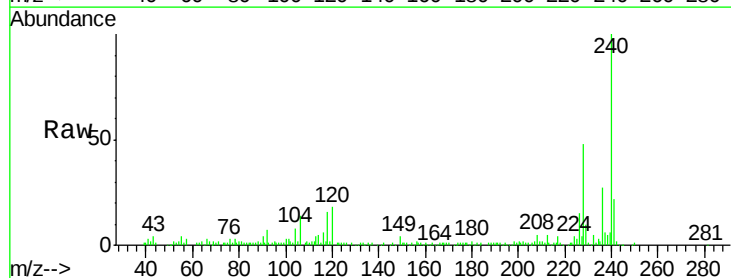
Tgt Ion:228 Resp: 55919

Ion Ratio Lower Upper

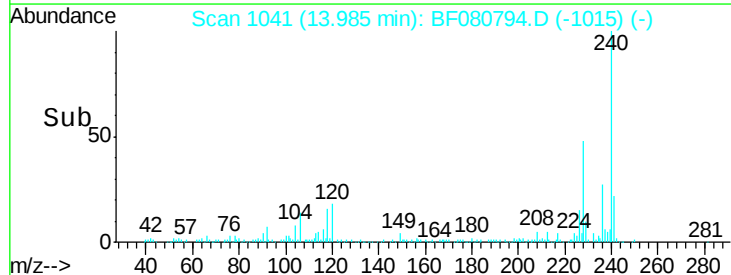
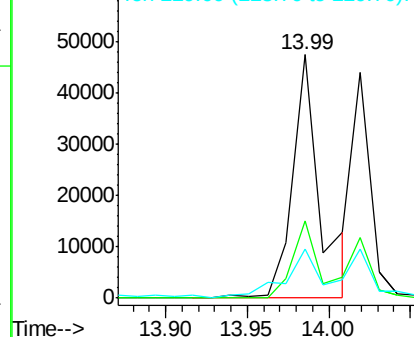
228 100

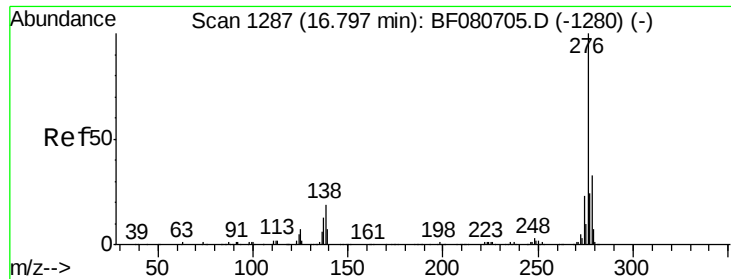
226 31.9 22.6 33.8

229 19.9 16.6 25.0



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

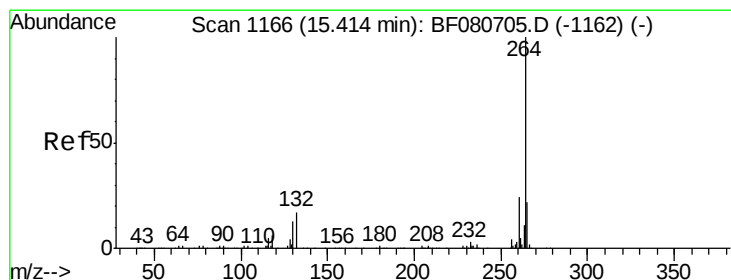
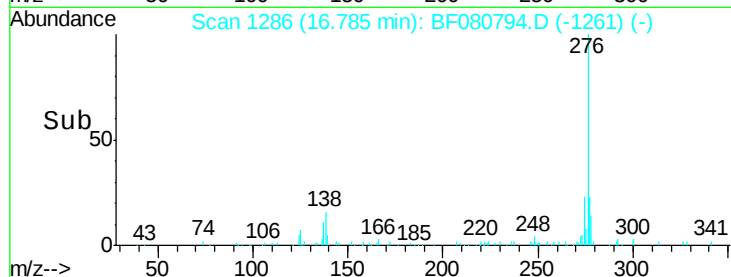
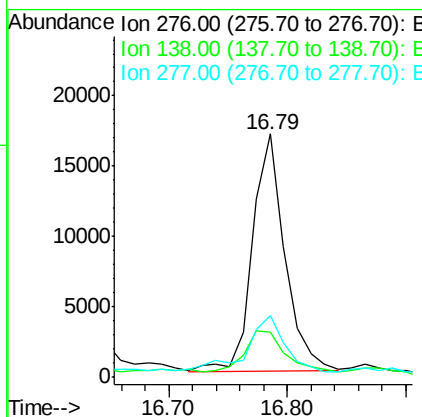
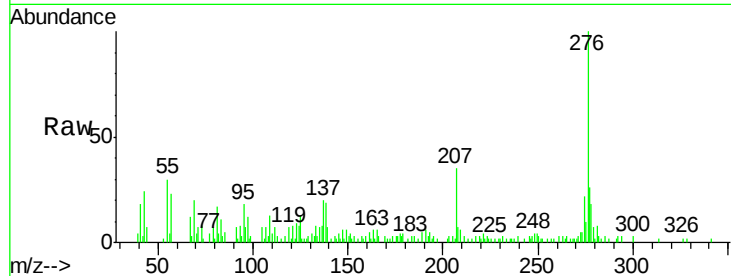




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.49 ng
 RT: 16.79 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: BF080794.D
 Acq: 1 Aug 2015 22:07

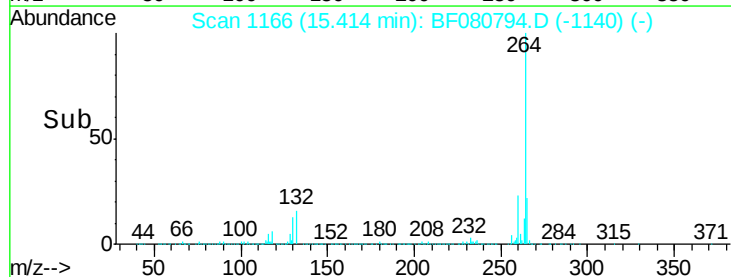
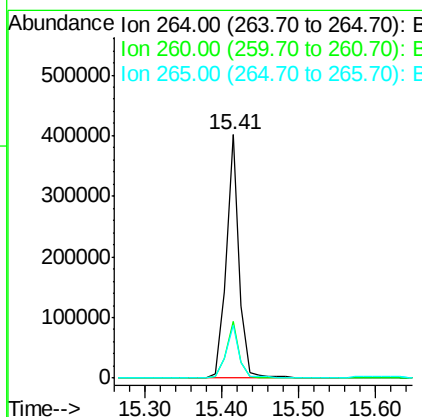
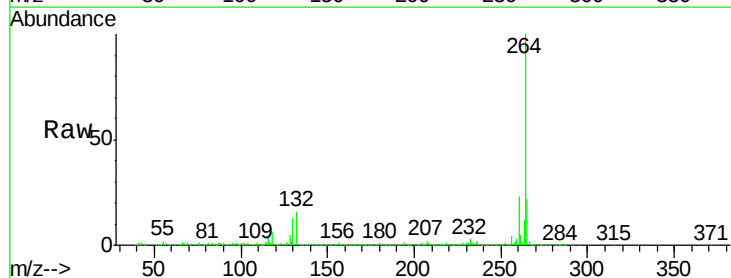
Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-1(0-19FTBGS)

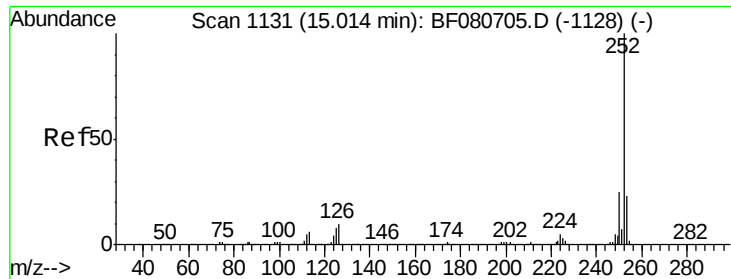
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	13.2	19.8#
277	33.2	15.4	23.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: BF080794.D
 Acq: 1 Aug 2015 22:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	21.9	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 3.72 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

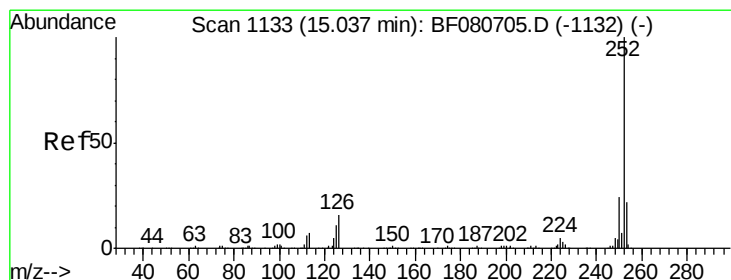
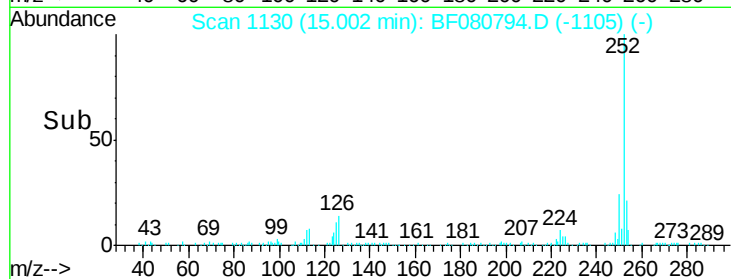
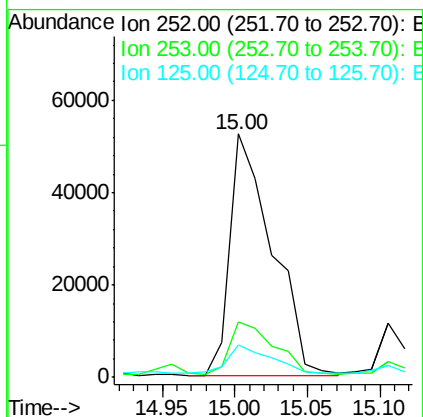
Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-1(0-19FTBGS)

Tot Ion:252	Resp:	106139
Ion Ratio	Lower	Upper
252	100	
253	22.7	18.1 27.1
125	13.1	6.2 9.2#



#88

Benzo(k)fluoranthene

Concen: 4.52 ng

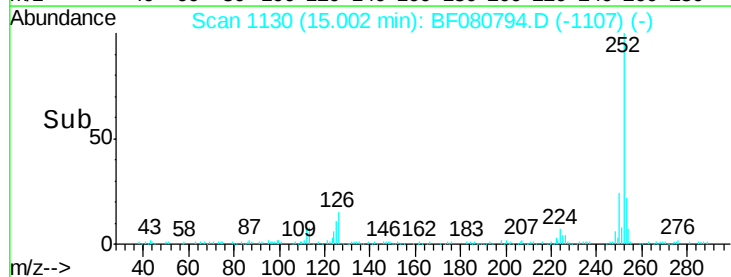
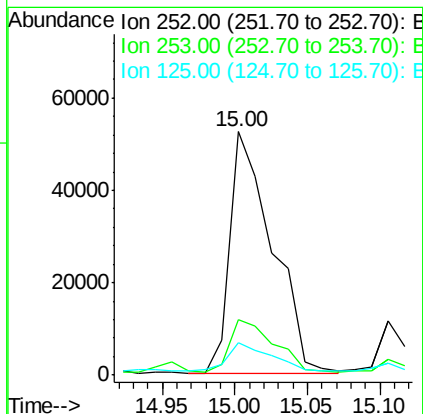
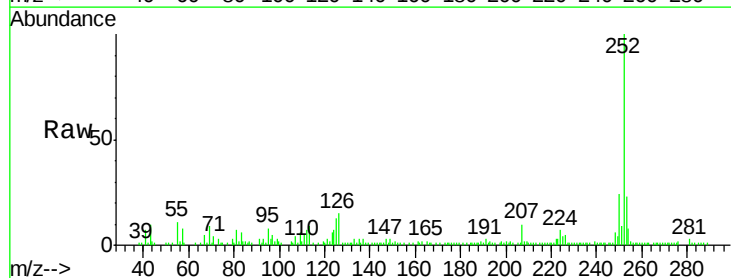
RT: 15.00 min Scan# 1130

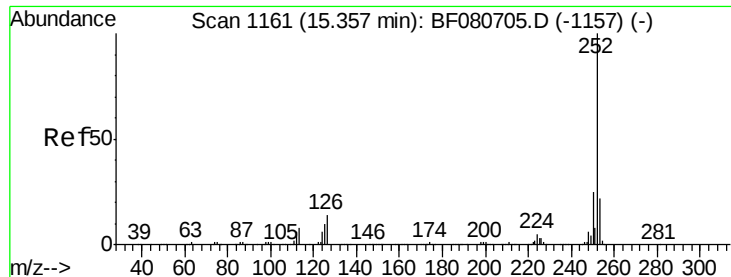
Delta R.T. -0.03 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

Tgt Ion:252	Resp:	106139
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.8 26.6
125	13.1	9.0 13.4





#89

Benzo(a)pyrene

Concen: 2.62 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF080794.D

Acq: 1 Aug 2015 22:07

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-1(0-19FTBGS)

Tot Ion:252 Resp: 61334

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 15.7 8.2 12.4#

