

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080115\
 Data File : BF080793.D
 Acq On : 1 Aug 2015 21:36
 Operator : TP/UM
 Sample : G3121-05 5X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-3(0-19FTBGS)

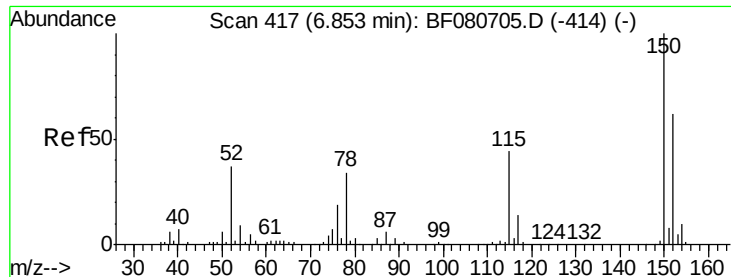
Quant Time: Aug 03 03:50:50 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	147326	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	459959	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	210297	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	342225	20.00	ng	0.00
75) Chrysene-d12	14.00	240	411127	20.00	ng	0.00
86) Perylene-d12	15.41	264	380340	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	194972	22.70	ng	0.00
7) Phenol-d6	6.48	99	244914	20.95	ng	-0.01
23) Nitrobenzene-d5	7.41	82	138236	14.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	37932	17.38	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	204441	14.50	ng	-0.01
78) Terphenyl-d14	12.95	244	134557	6.19	ng	-0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.61	77	4564	Below Cal	#	73
19) n-Nitroso-di-n-propylamine	7.41	70	17859	2.27	ng	# 66
25) Isophorone	7.41	82	136565	8.08	ng	# 71
49) Dimethylphthalate	9.61	163	53946	3.64	ng	96
50) 2,6-Dinitrotoluene	9.88	165	26939	8.57	ng	# 15
56) 2,4-Dinitrotoluene	9.88	165	26940	6.53	ng	# 16
70) Phenanthrene	11.39	178	100496	5.83	ng	95
74) Fluoranthene	12.57	202	168912	10.13	ng	95
77) Pyrene	12.80	202	159091	4.99	ng	97
80) Benzo(a)anthracene	13.99	228	137325	5.55	ng	99
82) Chrysene	14.02	228	82703	3.45	ng	97
85) Indeno(1,2,3-cd)pyrene	16.79	276	37154	4.24	ng	# 77
87) Benzo(b)fluoranthene	15.00	252	187278	8.24	ng	# 96
88) Benzo(k)fluoranthene	15.00	252	187278	10.02	ng	98
89) Benzo(a)pyrene	15.35	252	83987	4.50	ng	# 94
91) Benzo(g,h,i)perylene	17.20	276	33775	2.06	ng	97

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

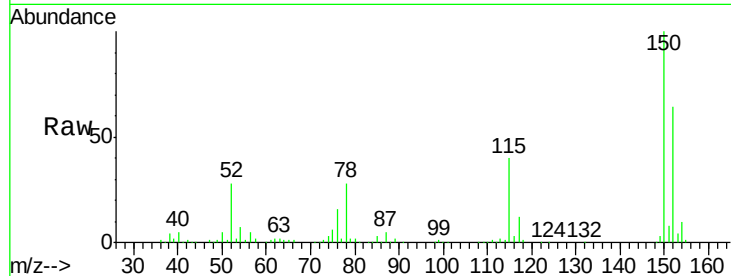


#1

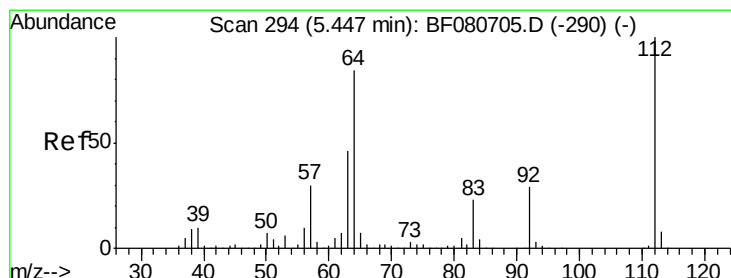
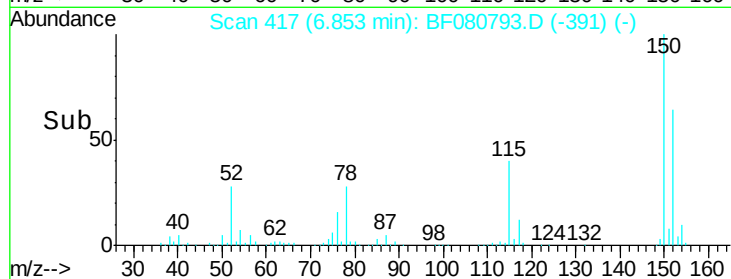
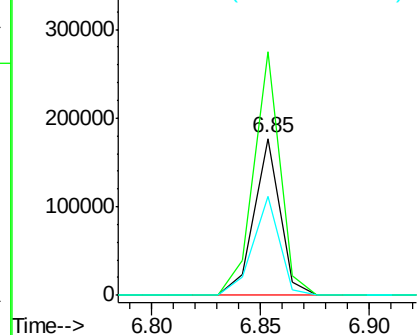
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-3(0-19FTBGS)

Tot Ion:152 Resp: 147326
Ion Ratio Lower Upper
152 100
150 155.5 129.6 194.4
115 62.9 56.6 85.0



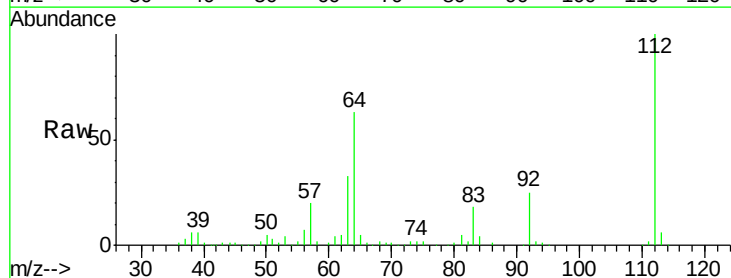
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



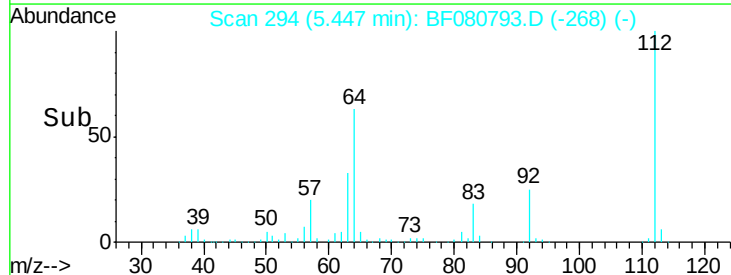
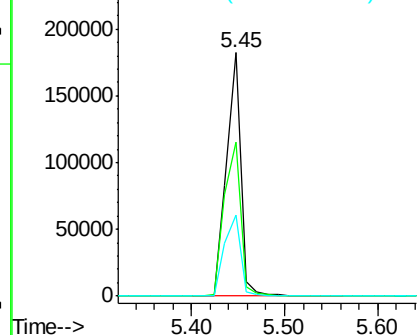
#5

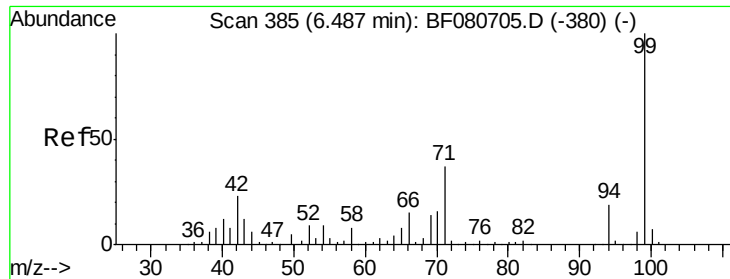
2-Fluorophenol
Concen: 22.70 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.00 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

Tgt Ion:112 Resp: 194972
Ion Ratio Lower Upper
112 100
64 63.3 66.8 100.2#
63 33.2 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: 20.95 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF080793.D

Acq: 1 Aug 2015 21:36

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-3(0-19FTBGS)

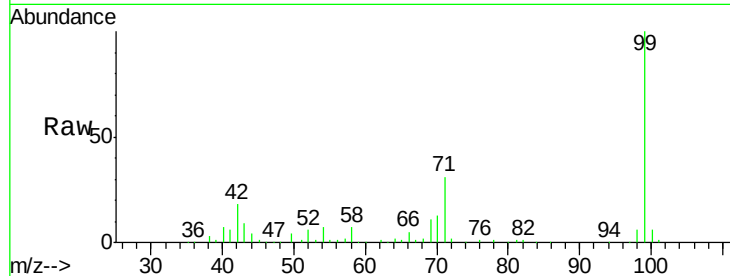
Tot Ion: 99 Resp: 244914

Ion Ratio Lower Upper

99 100

42 18.0 18.2 27.2#

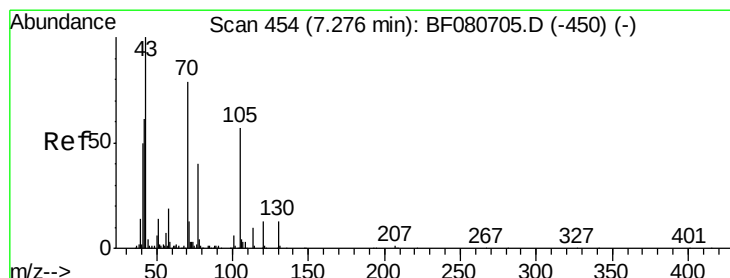
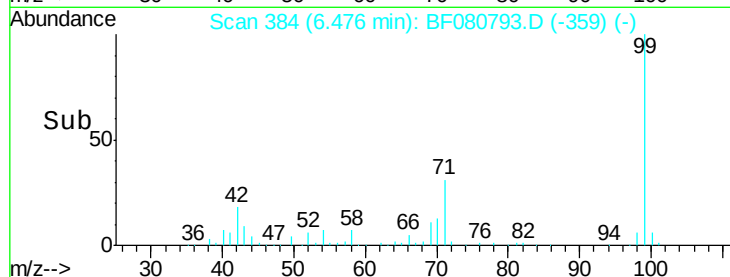
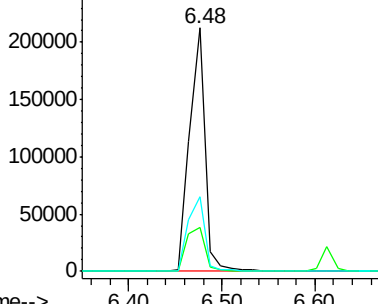
71 30.9 29.5 44.3



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: 2.27 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080793.D

Acq: 1 Aug 2015 21:36

Tgt Ion: 70 Resp: 17859

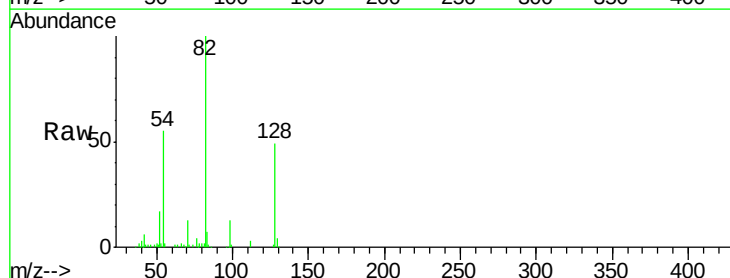
Ion Ratio Lower Upper

70 100

42 46.2 61.8 92.6#

101 0.0 6.1 9.1#

130 2.6 12.9 19.3#

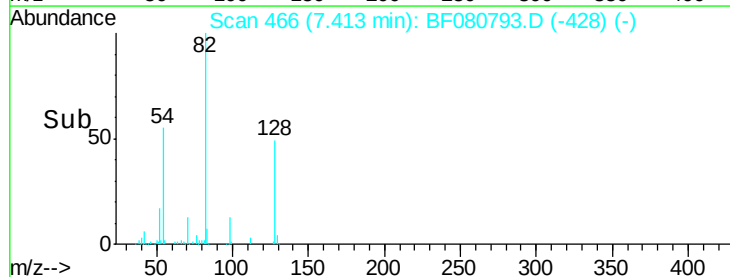
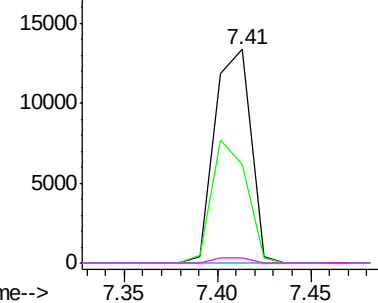


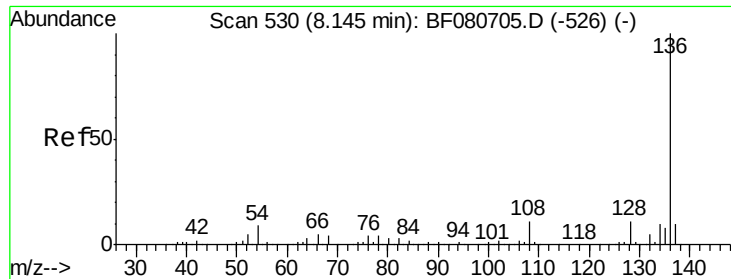
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

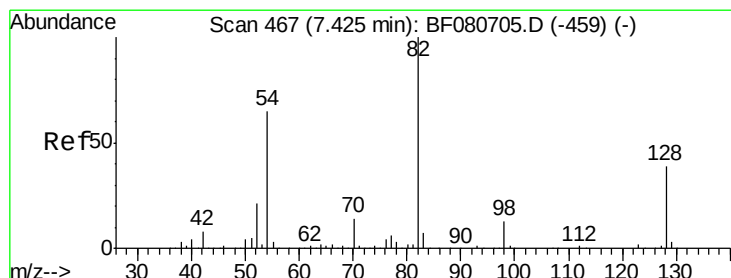
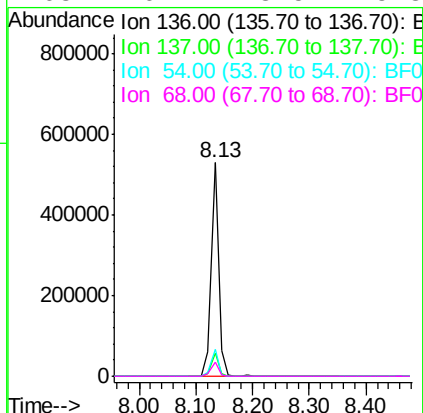
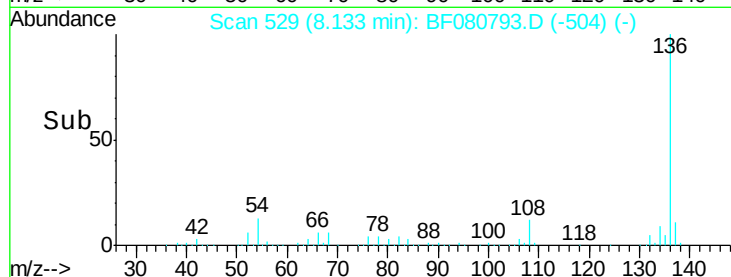
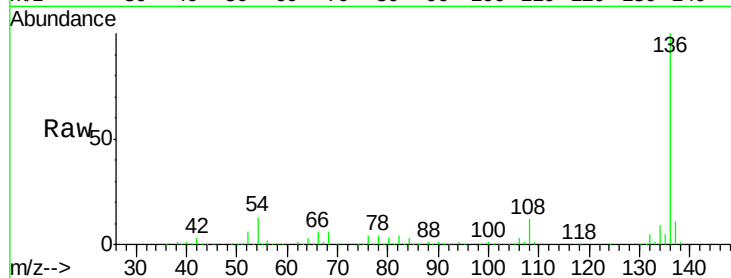




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

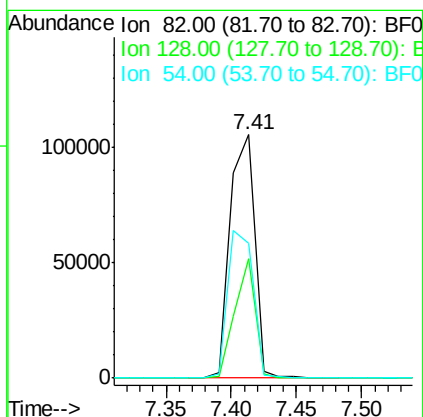
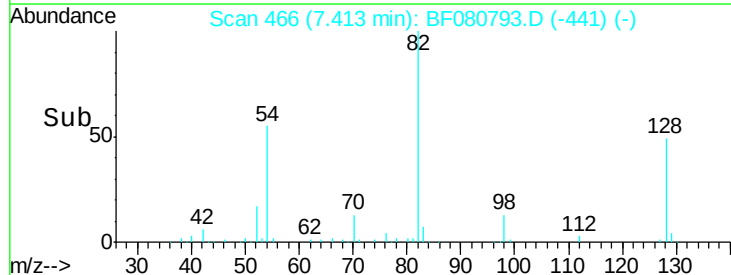
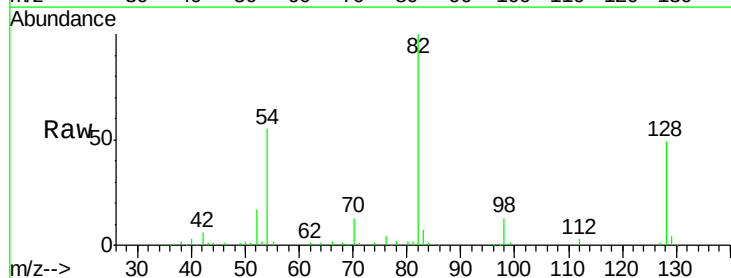
Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-3(0-19FTBGS)

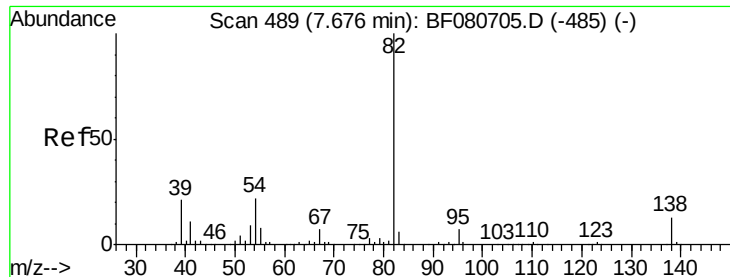
Tot Ion:	136	Resp:	459959
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	12.8	6.9	10.3#
68	6.4	3.5	5.3#



#23
Nitrobenzene-d5
Concen: 14.55 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

Tgt Ion:	82	Resp:	138236
Ion	Ratio	Lower	Upper
82	100		
128	49.0	31.5	47.3#
54	55.3	51.8	77.8





#25

Isophorone

Concen: 8.08 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080793.D

Acq: 1 Aug 2015 21:36

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-3(0-19FTBGS)

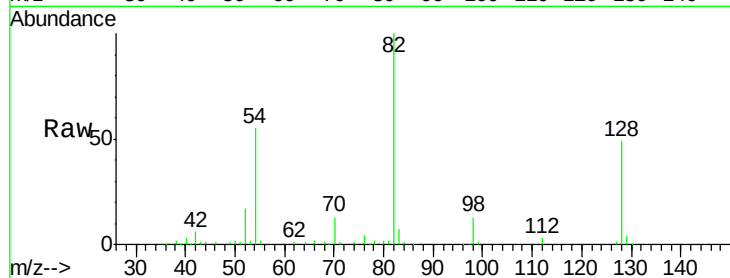
Tot Ion: 82 Resp: 136565

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

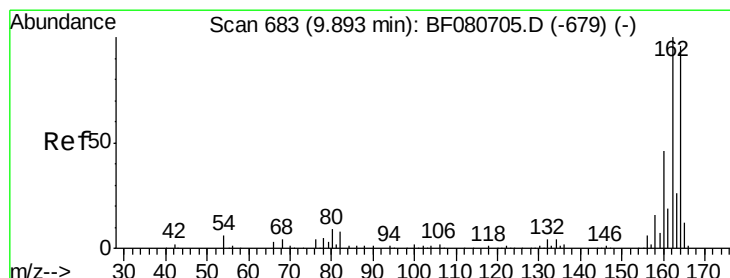
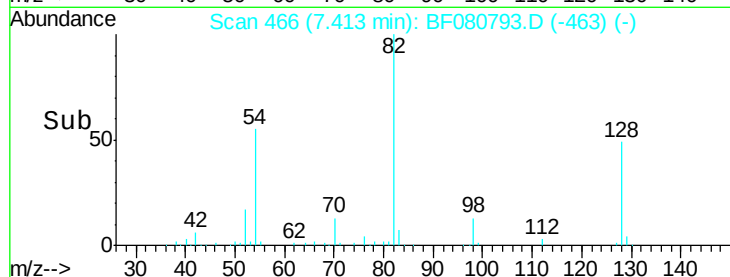
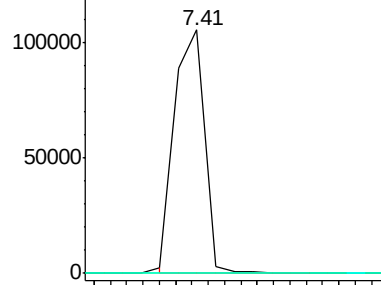
138 0.0 10.7 16.1#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF080793.D

Acq: 1 Aug 2015 21:36

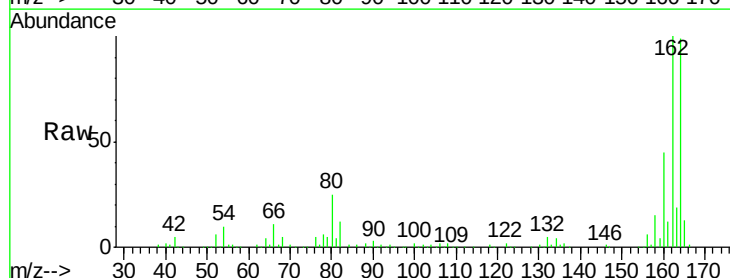
Tgt Ion: 164 Resp: 210297

Ion Ratio Lower Upper

164 100

162 100.6 83.4 125.0

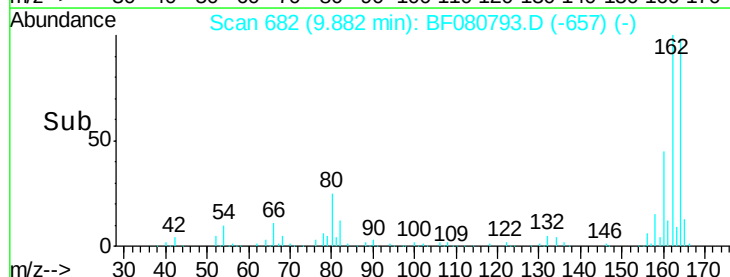
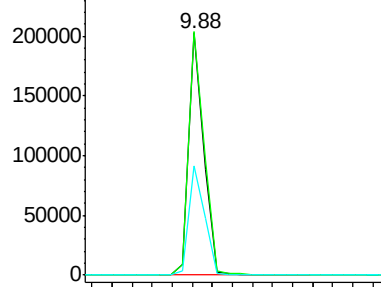
160 45.2 38.0 57.0

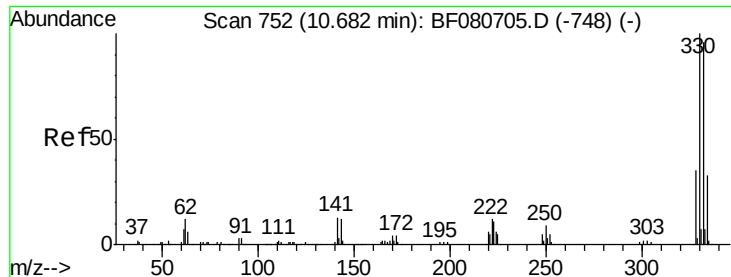


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

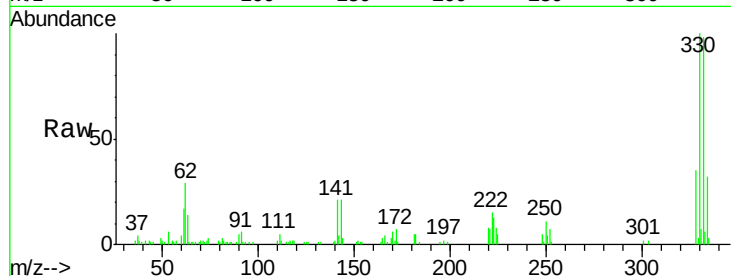




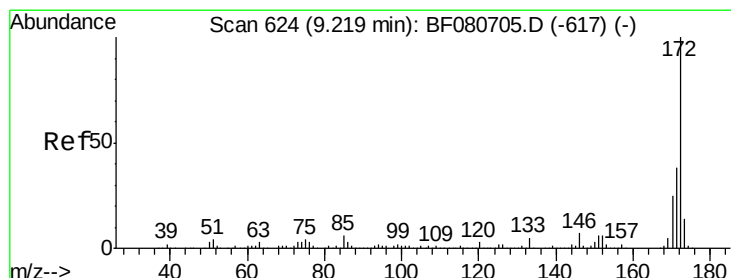
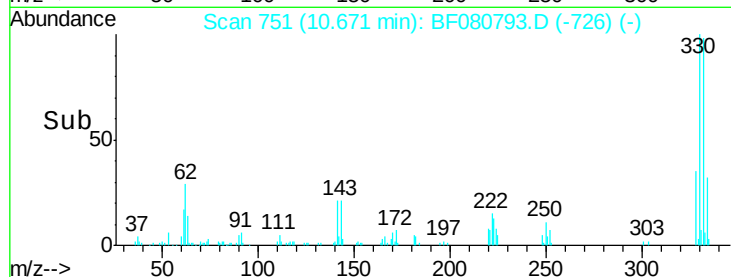
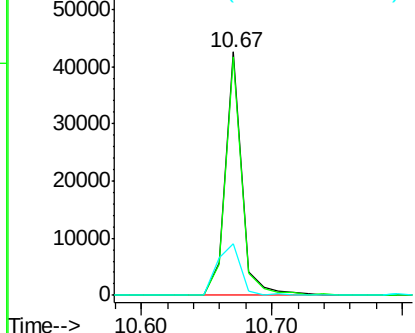
#41
 2,4,6-Tribromophenol
 Concen: 17.38 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF080793.D
 Acq: 1 Aug 2015 21:36

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-3(0-19FTBGS)

Tot Ion:330 Resp: 37932
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 30.3 26.0 39.0

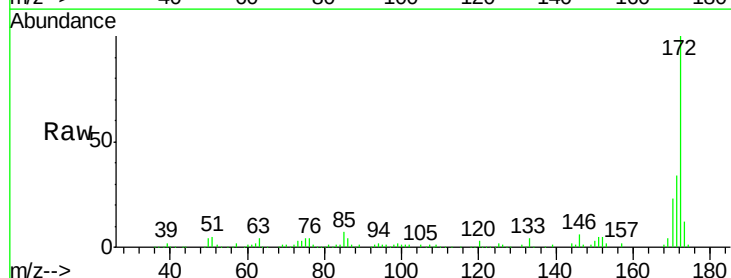


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

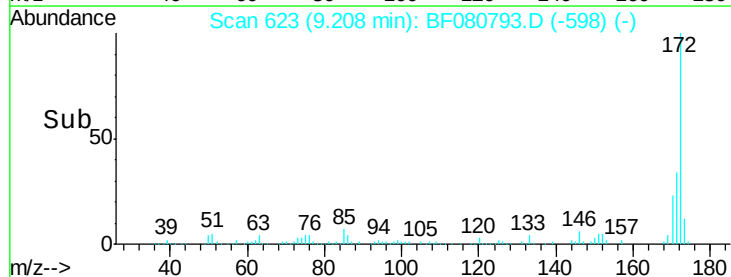
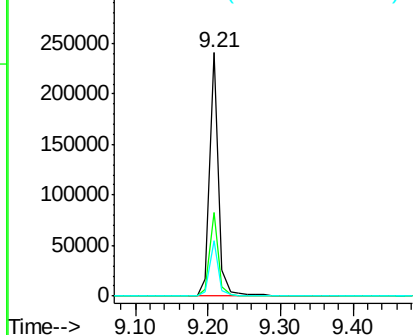


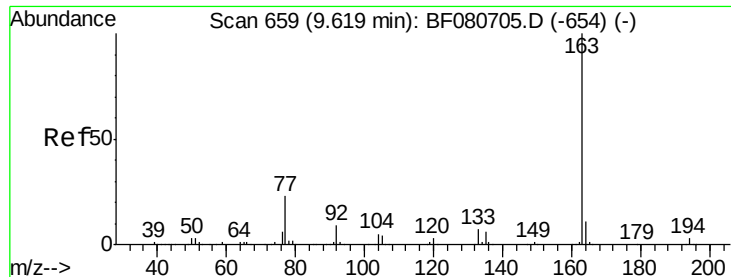
#44
 2-Fluorobiphenyl
 Concen: 14.50 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF080793.D
 Acq: 1 Aug 2015 21:36

Tgt Ion:172 Resp: 204441
 Ion Ratio Lower Upper
 172 100
 171 34.4 30.2 45.4
 170 22.8 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: 3.64 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF080793.D

Acq: 1 Aug 2015 21:36

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-3(0-19FTBGS)

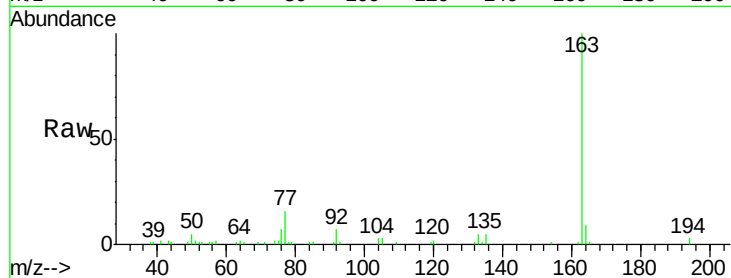
Tot Ion:163 Resp: 53946

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

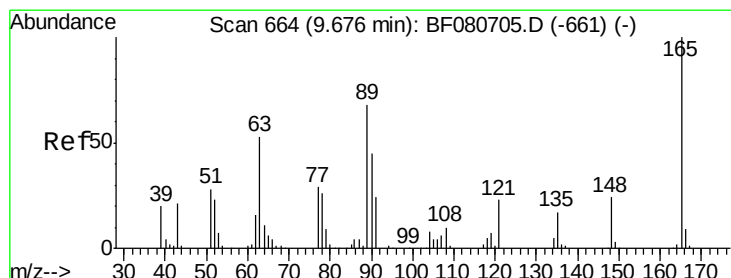
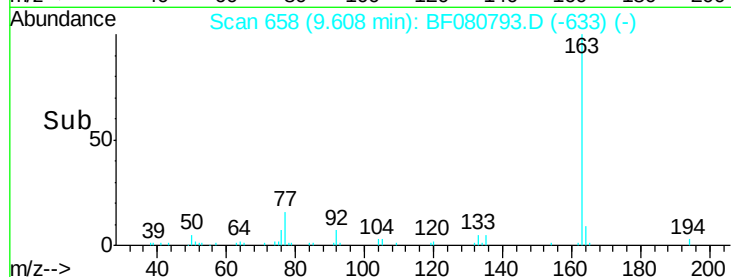
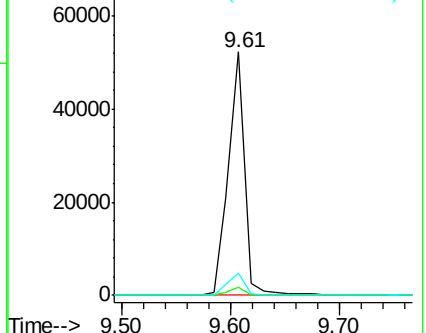
164 9.1 8.7 13.1



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: 8.57 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.21 min

Lab File: BF080793.D

Acq: 1 Aug 2015 21:36

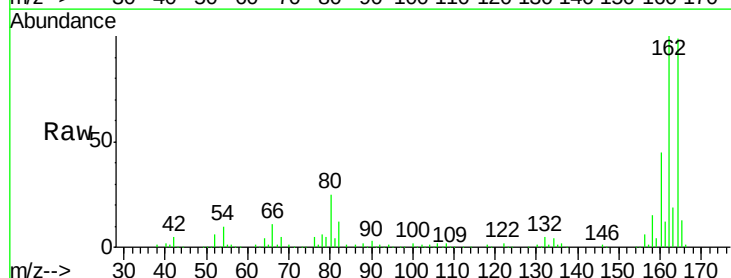
Tgt Ion:165 Resp: 26939

Ion Ratio Lower Upper

165 100

63 1.4 62.3 93.5#

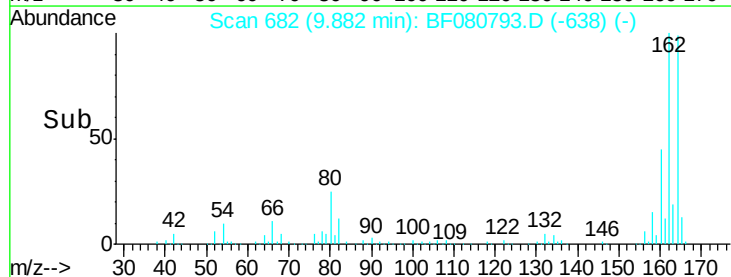
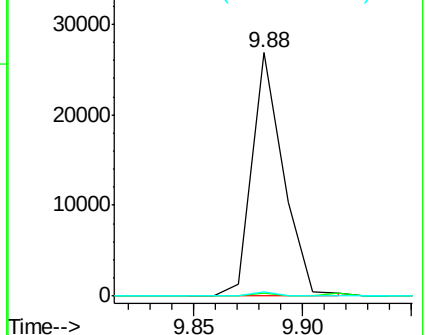
89 1.7 54.8 82.2#

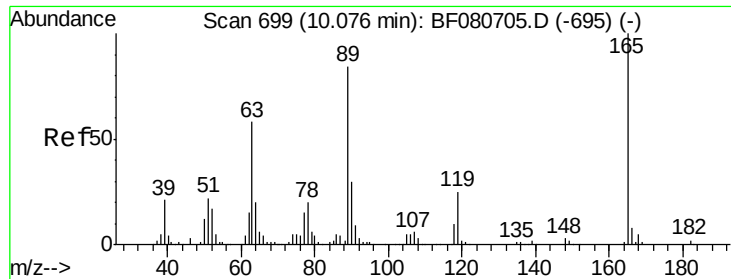


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

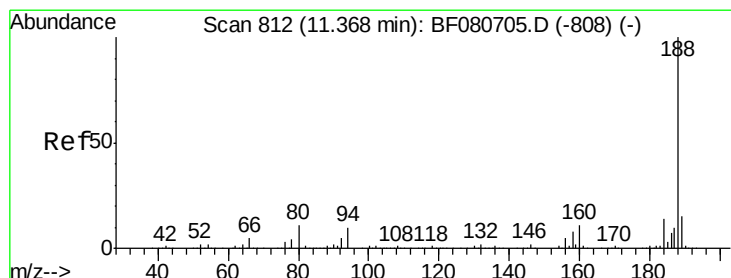
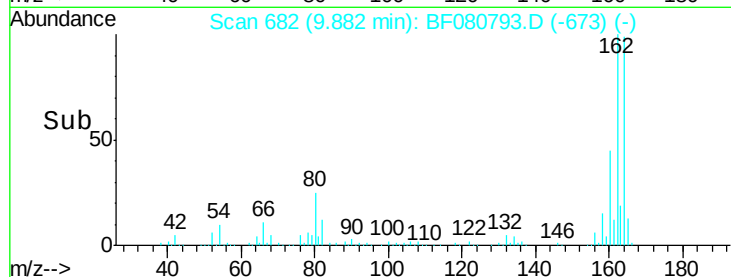
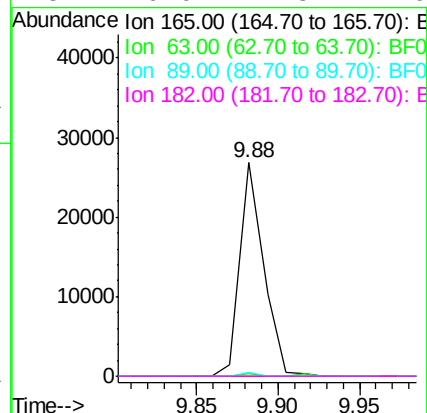
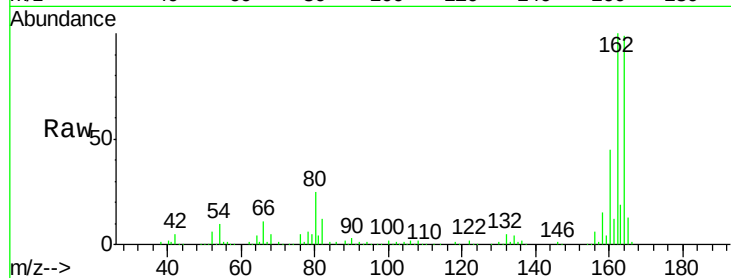




#56
 2,4-Dinitrotoluene
 Concen: 6.53 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.19 min
 Lab File: BF080793.D
 Acq: 1 Aug 2015 21:36

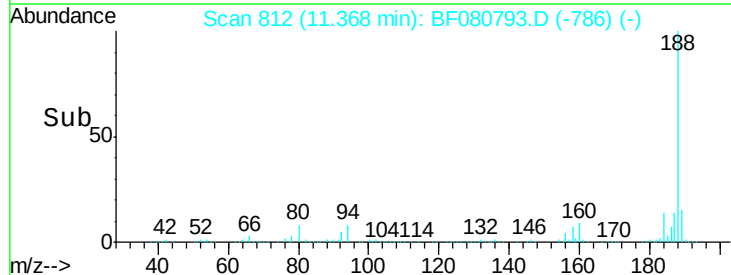
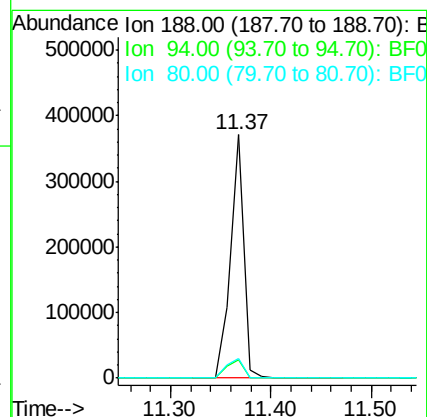
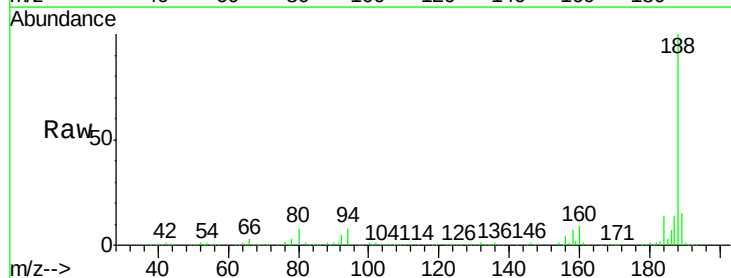
Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-3(0-19FTBGS)

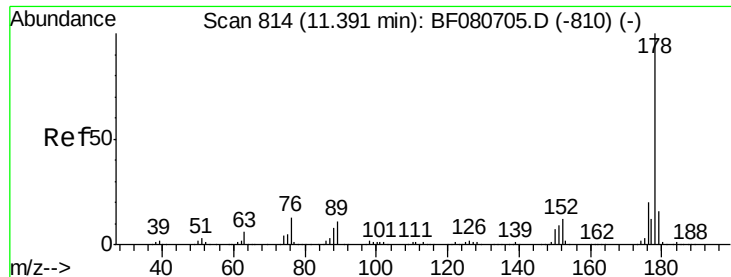
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	46.7	70.1#
89	1.7	67.4	101.2#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF080793.D
 Acq: 1 Aug 2015 21:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.1	12.1#
80	8.1	9.1	13.7#

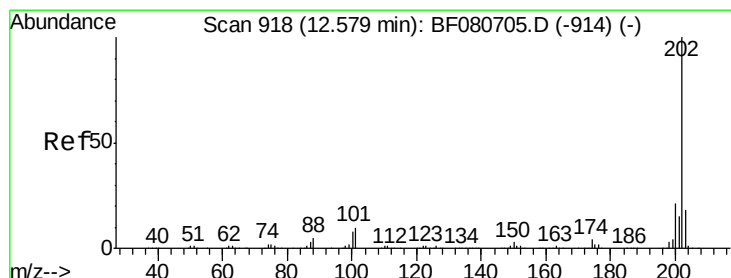
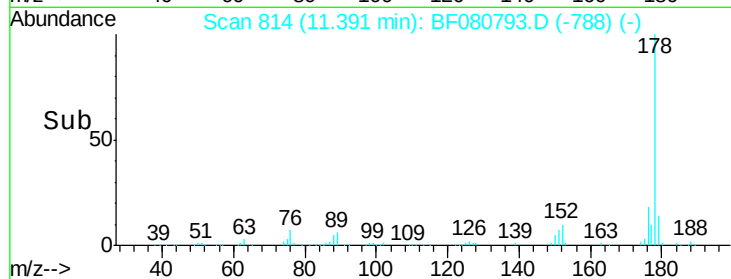
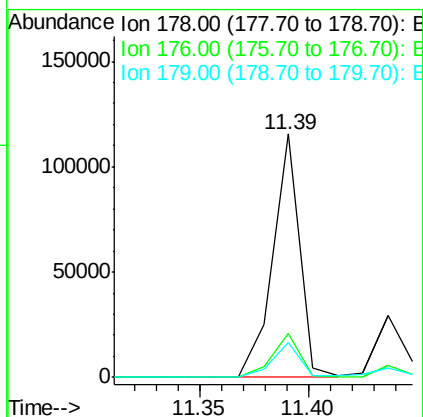
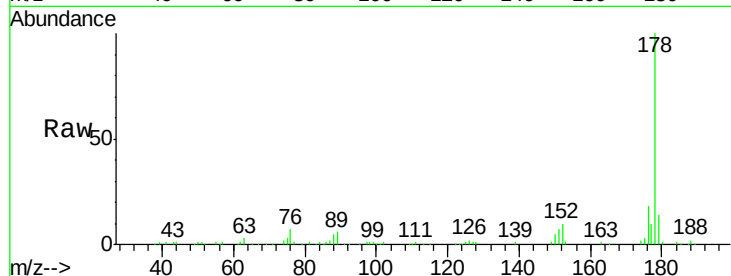




#70
Phenanthrene
Concen: 5.83 ng
RT: 11.39 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

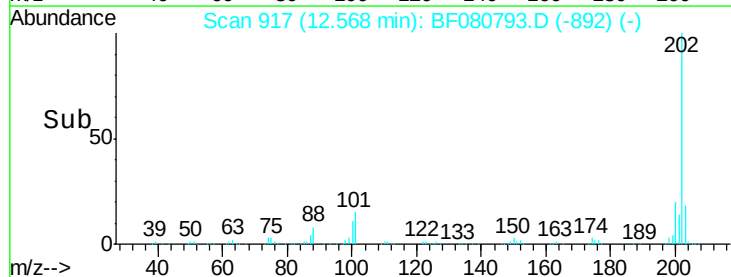
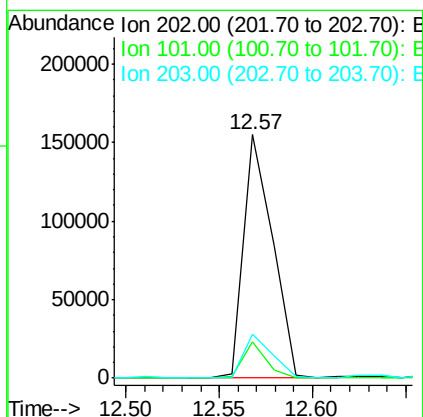
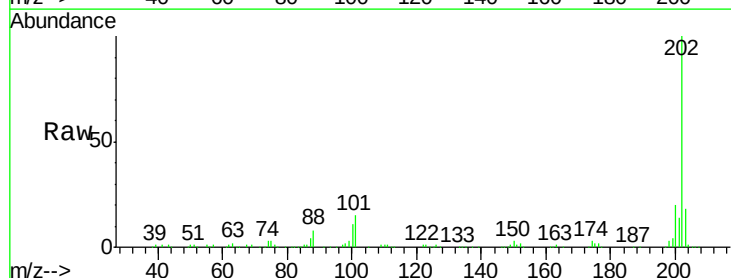
Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-3(0-19FTBGS)

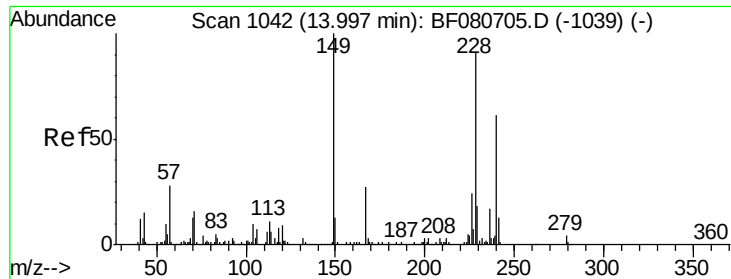
Tot Ion:178 Resp: 100496
Ion Ratio Lower Upper
178 100
176 17.8 16.2 24.4
179 14.4 13.0 19.4



#74
Fluoranthene
Concen: 10.13 ng
RT: 12.57 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

Tgt Ion:202 Resp: 168912
Ion Ratio Lower Upper
202 100
101 14.9 0.0 29.6
203 17.9 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: BF080793.D

Acq: 1 Aug 2015 21:36

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-3(0-19FTBGS)

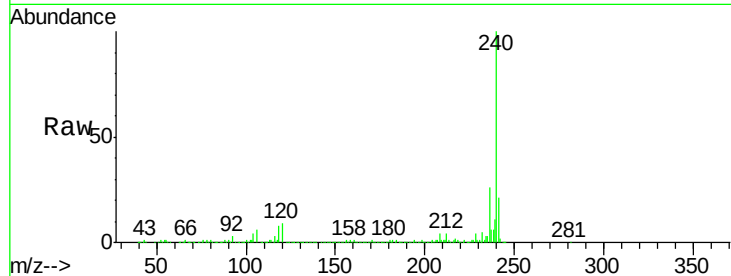
Tot Ion:240 Resp: 411127

Ion Ratio Lower Upper

240 100

120 8.8 11.8 17.8#

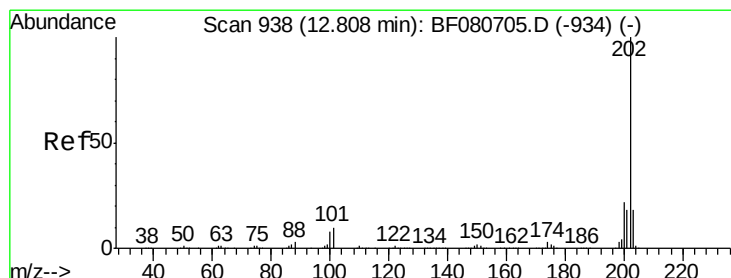
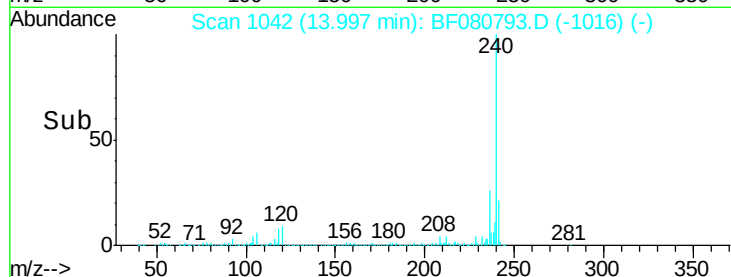
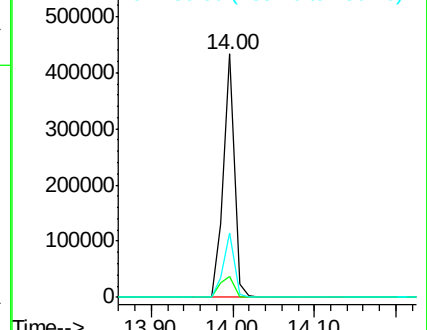
236 26.4 21.8 32.8



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: 4.99 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF080793.D

Acq: 1 Aug 2015 21:36

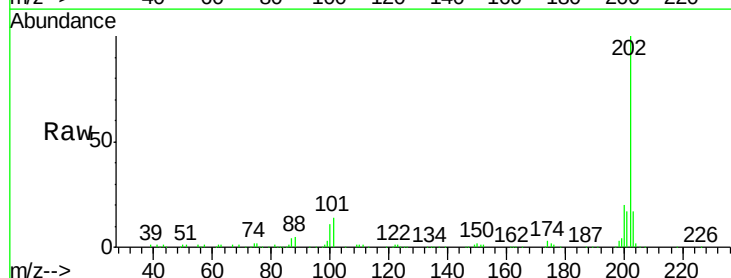
Tgt Ion:202 Resp: 159091

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

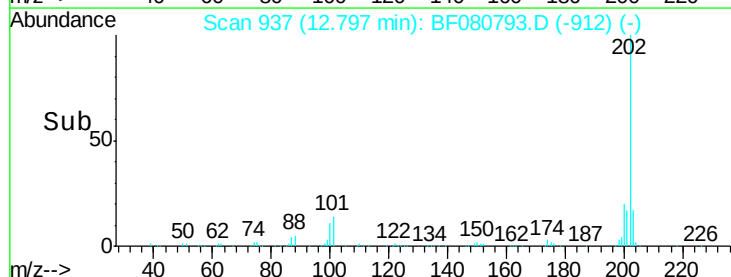
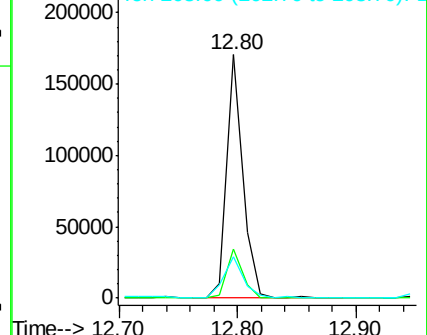
203 17.0 14.2 21.2

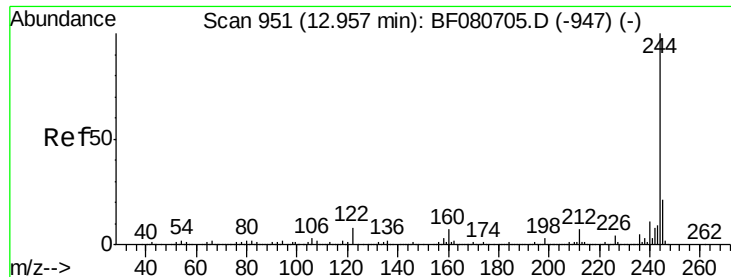


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

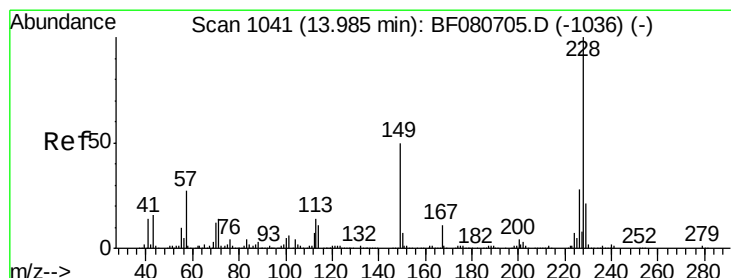
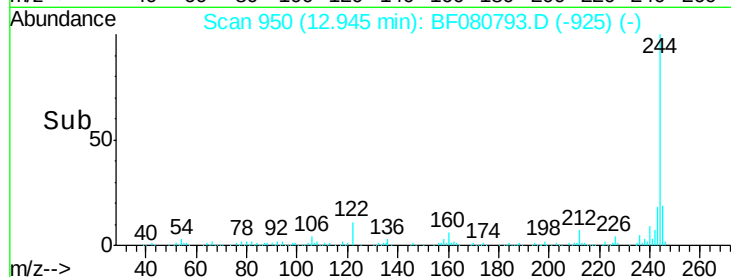
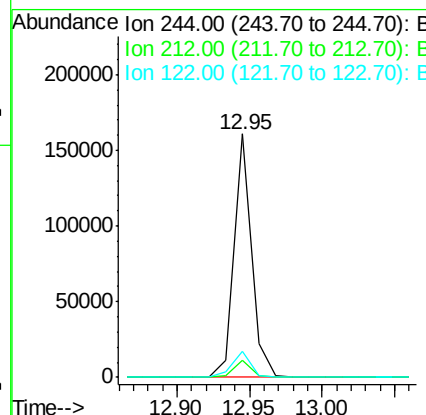
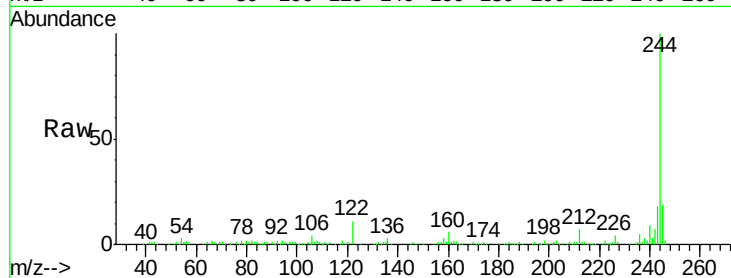




#78
 Terphenyl-d14
 Concen: 6.19 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.01 min
 Lab File: BF080793.D
 Acq: 1 Aug 2015 21:36

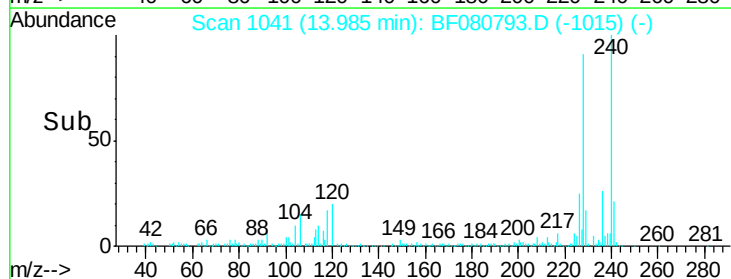
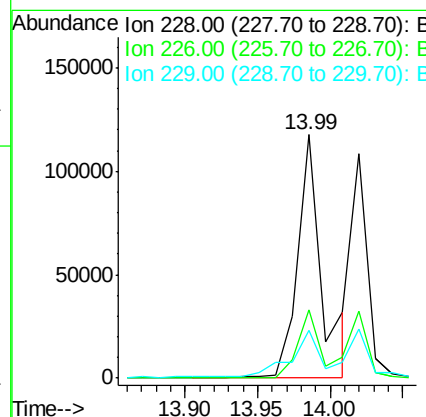
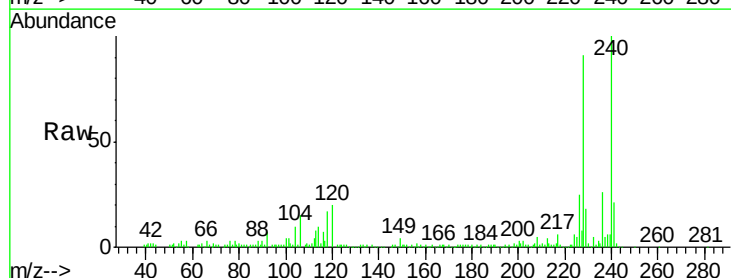
Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-3(0-19FTBGS)

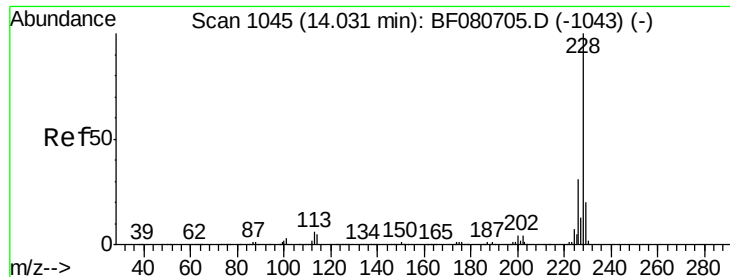
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.7	6.6	9.8#



#80
 Benzo(a)anthracene
 Concen: 5.55 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF080793.D
 Acq: 1 Aug 2015 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	19.6	16.6	25.0

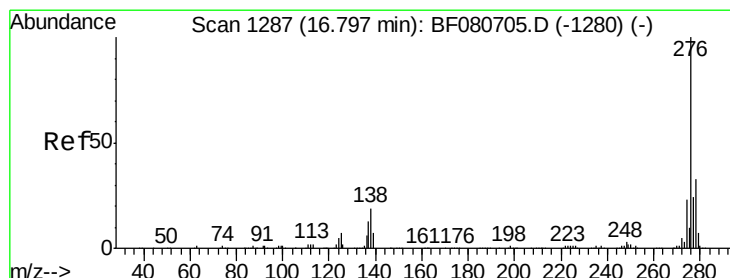
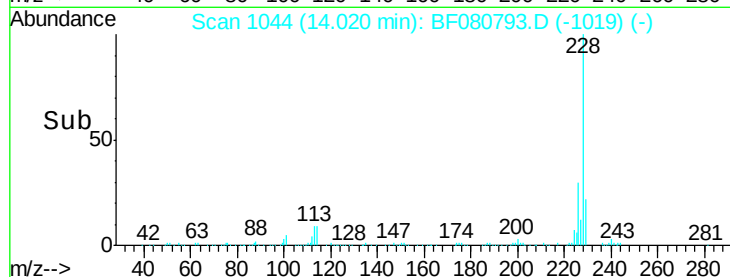
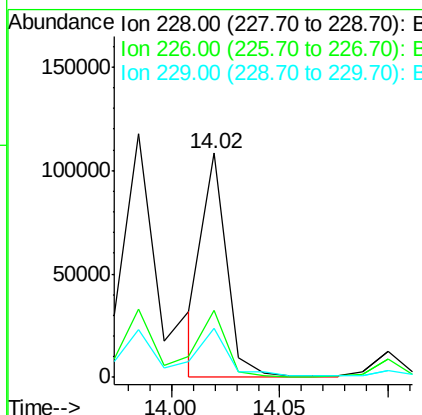
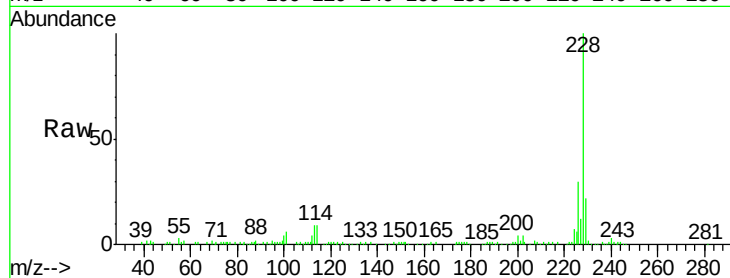




#82
 Chrysene
 Concen: 3.45 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: BF080793.D
 Acq: 1 Aug 2015 21:36

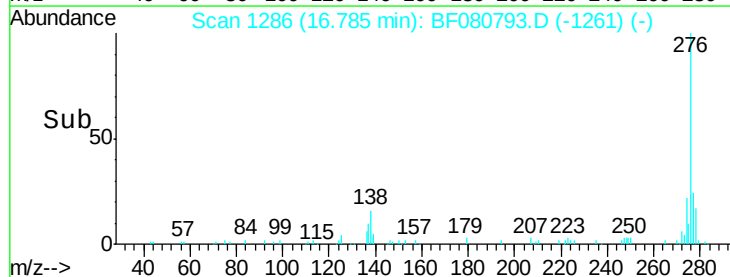
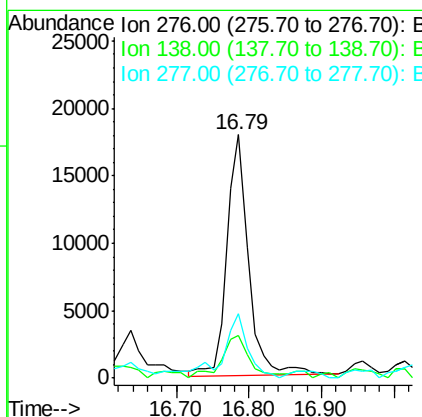
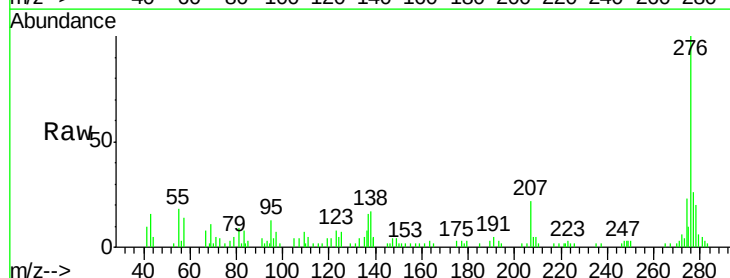
Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-3(0-19FTBGS)

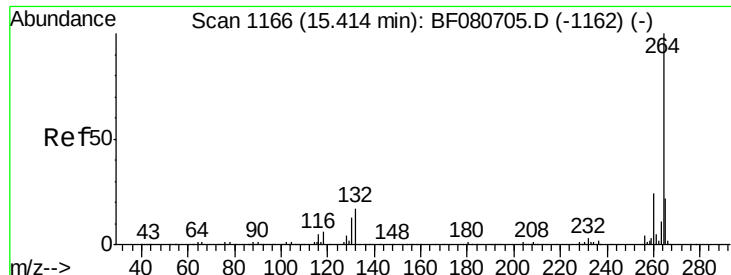
Tot Ion:228	Resp:	82703
Ion	Ratio	Lower Upper
228	100	
226	30.0	25.1 37.7
229	22.0	15.8 23.8



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.24 ng
 RT: 16.79 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: BF080793.D
 Acq: 1 Aug 2015 21:36

Tgt Ion:276	Resp:	37154
Ion	Ratio	Lower Upper
276	100	
138	22.3	13.2 19.8#
277	33.4	15.4 23.2#

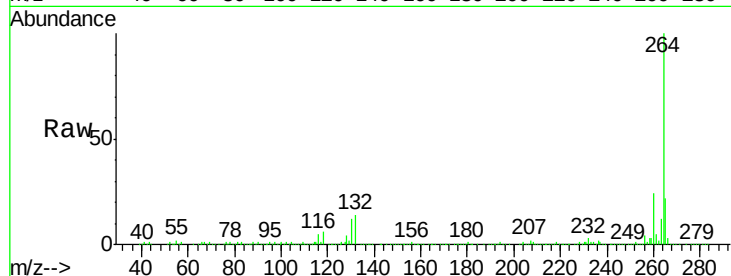




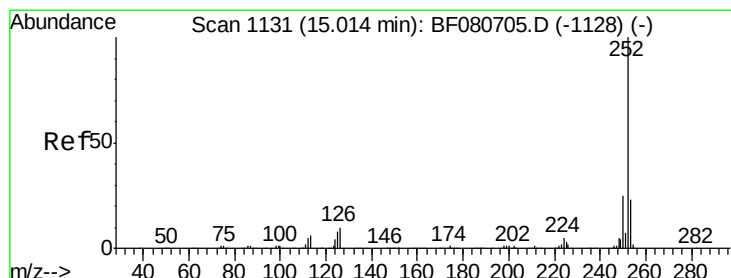
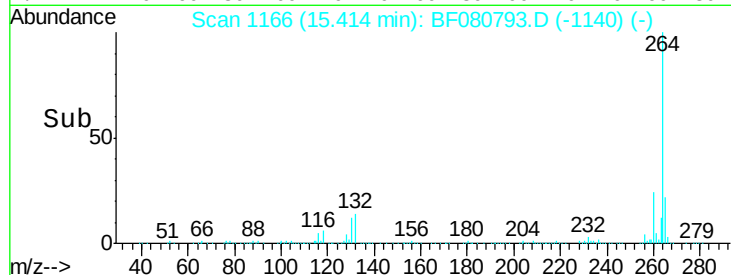
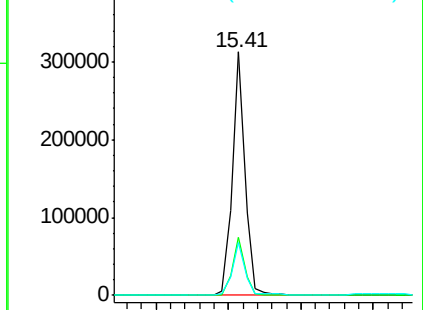
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-3(0-19FTBGS)

Tot Ion:264 Resp: 380340
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.0
265 21.8 17.3 25.9

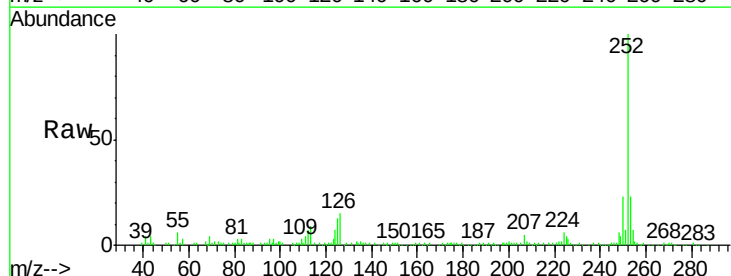


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

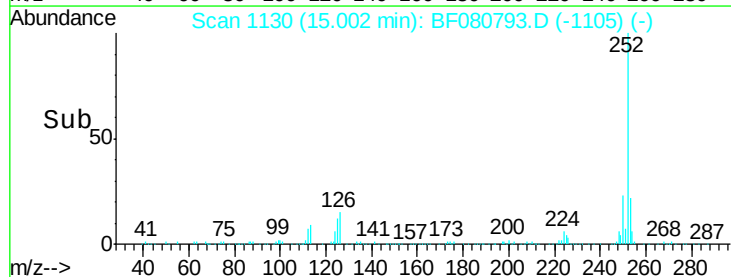
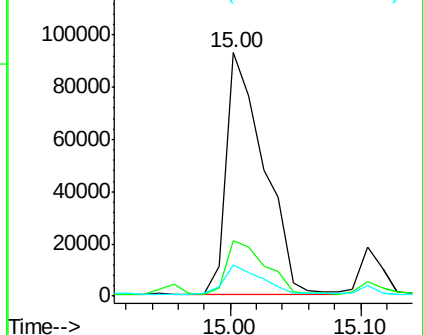


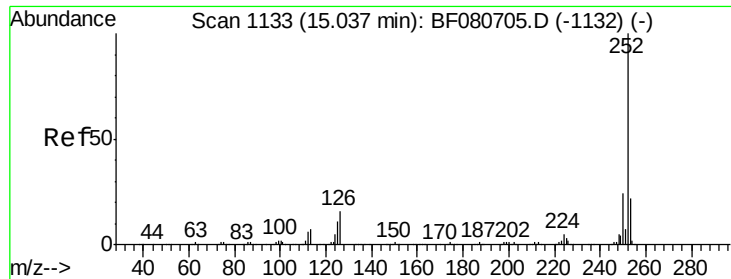
#87
Benzo(b)fluoranthene
Concen: 8.24 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

Tgt Ion:252 Resp: 187278
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 12.8 6.2 9.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

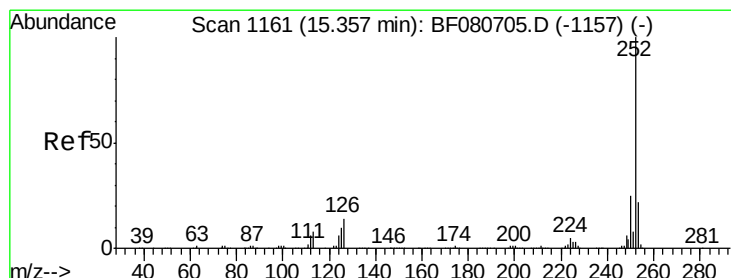
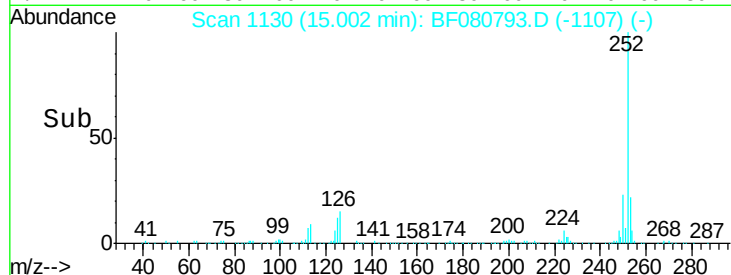
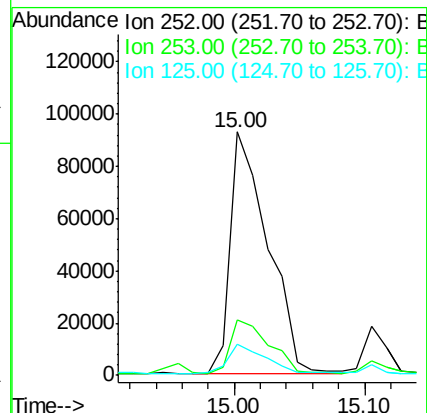
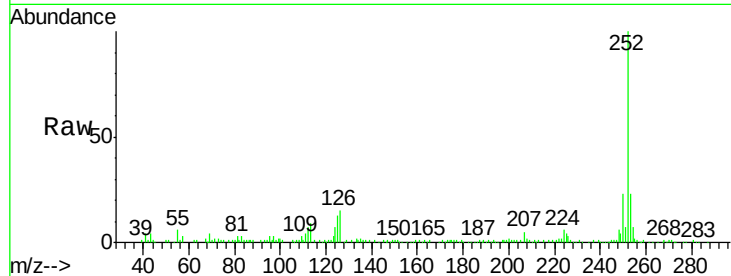




#88
Benzo(k)fluoranthene
Concen: 10.02 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

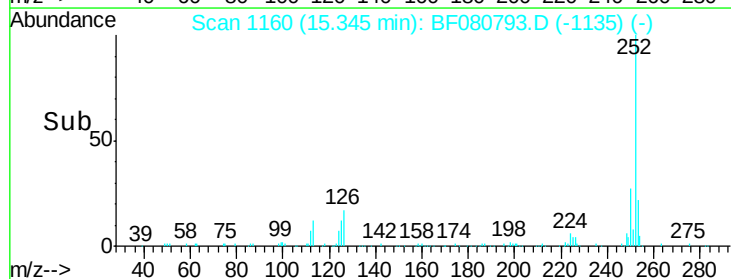
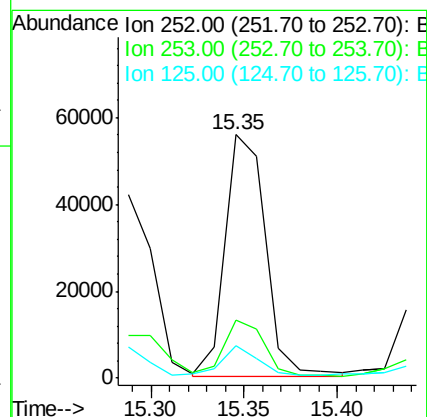
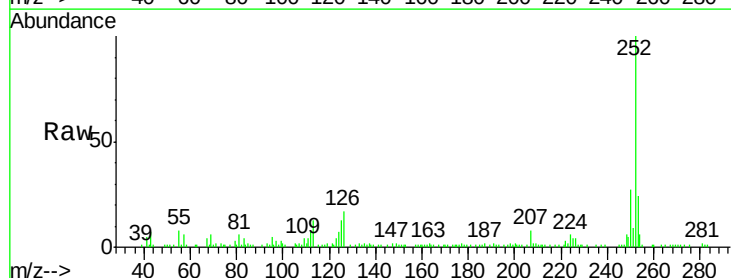
Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-3(0-19FTBGS)

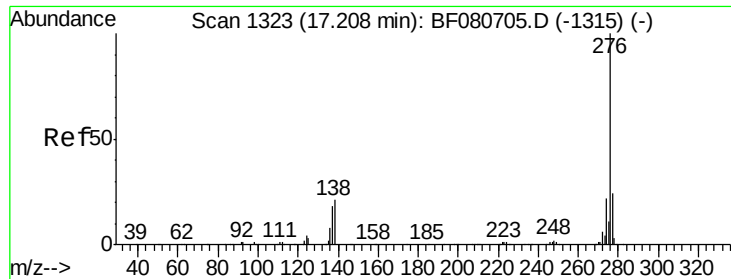
Tot Ion:252 Resp: 187278
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 12.8 9.0 13.4



#89
Benzo(a)pyrene
Concen: 4.50 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF080793.D
Acq: 1 Aug 2015 21:36

Tgt Ion:252 Resp: 83987
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 13.3 8.2 12.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.06 ng
 RT: 17.20 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF080793.D
 Acq: 1 Aug 2015 21:36

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-3(0-19FTBGS)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.9	28.3
138	21.6	16.9	25.3

