

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080115\
 Data File : BF080790.D
 Acq On : 1 Aug 2015 20:03
 Operator : TP/UM
 Sample : G3121-01 5X
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-2(0-6FTBGS)

Quant Time: Aug 03 03:49:40 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	157547	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	437837	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	232922	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	416529	20.00	ng	0.00
75) Chrysene-d12	14.00	240	367683	20.00	ng	0.00
86) Perylene-d12	15.41	264	486034	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	204640	22.28	ng	0.00
7) Phenol-d6	6.48	99	249145	19.93	ng	-0.01
23) Nitrobenzene-d5	7.41	82	107262	11.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	45012	18.62	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	255692	16.38	ng	-0.01
78) Terphenyl-d14	12.94	244	171720	8.83	ng	-0.01

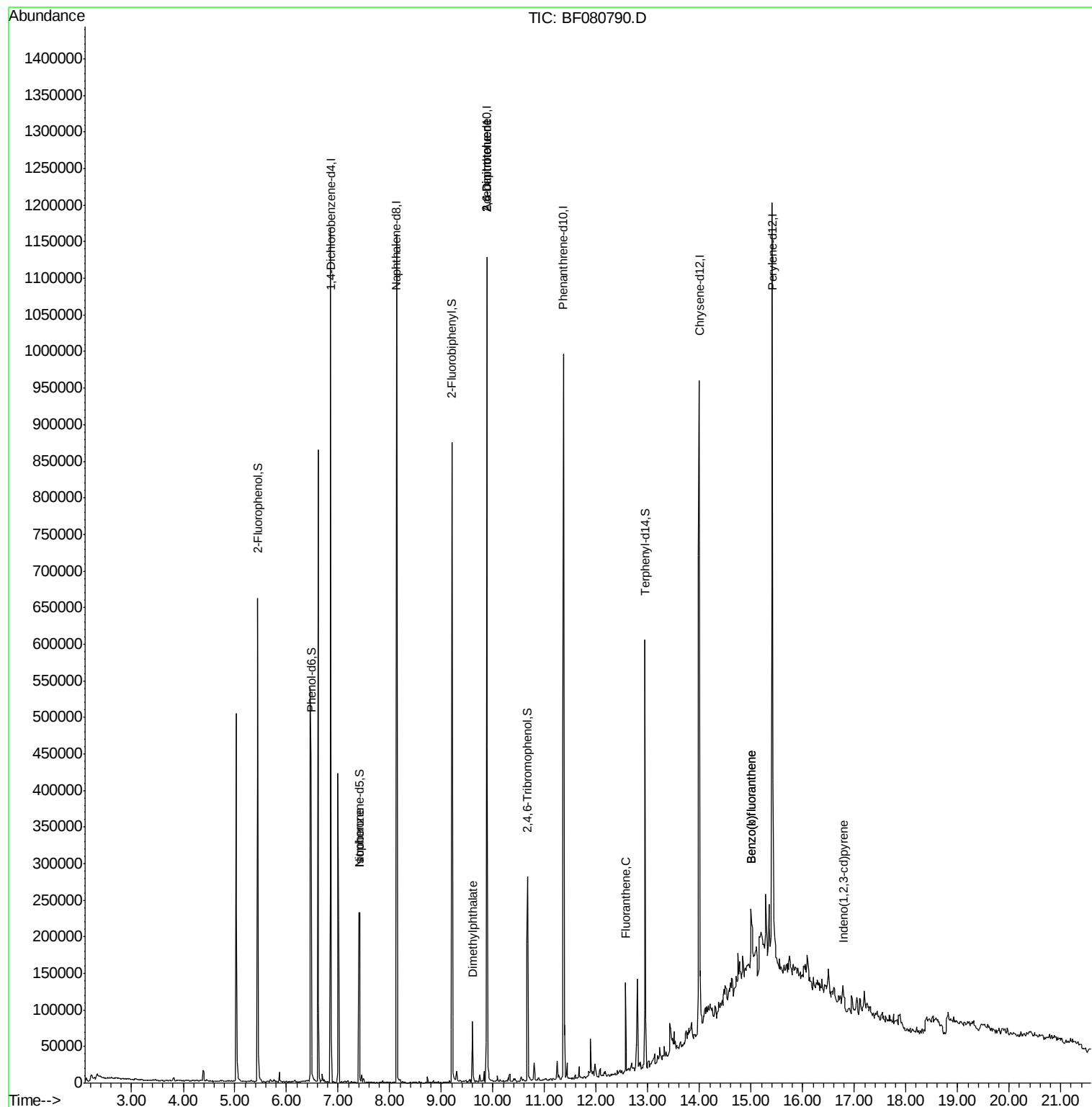
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	224	Below Cal	#	51
25) Isophorone	7.41	82	105967	6.59 ng	#	71
49) Dimethylphthalate	9.61	163	44253	2.70 ng	#	95
50) 2,6-Dinitrotoluene	9.88	165	29901	8.58 ng	#	15
56) 2,4-Dinitrotoluene	9.88	165	30130	6.60 ng	#	16
74) Fluoranthene	12.57	202	47583	2.35 ng		96
85) Indeno(1,2,3-cd)pyrene	16.79	276	19325	3.56 ng	#	75
87) Benzo(b)fluoranthene	15.00	252	58775	2.02 ng	#	93
88) Benzo(k)fluoranthene	15.00	252	58775	2.46 ng	#	95

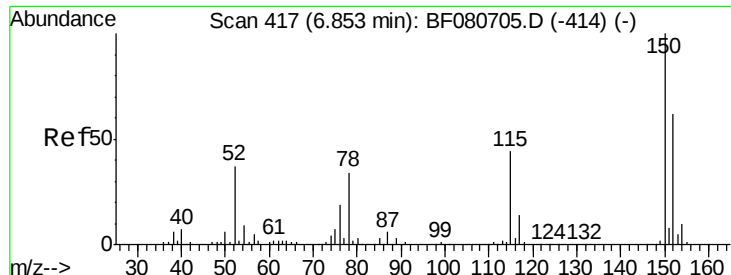
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF080790.D

Acq: 1 Aug 2015 20:03

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

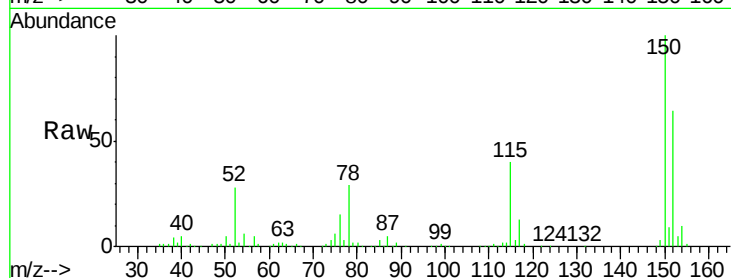
Tot Ion:152 Resp: 157547

Ion Ratio Lower Upper

152 100

150 155.1 129.6 194.4

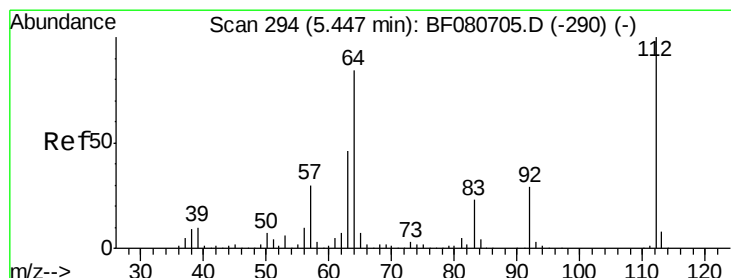
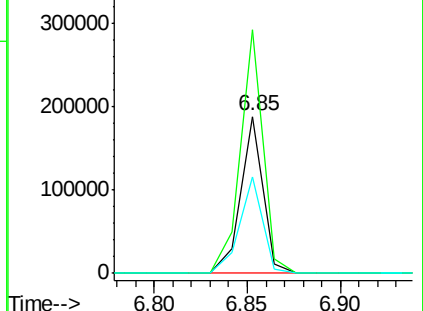
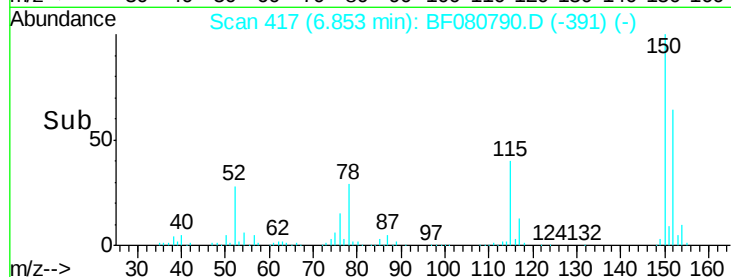
115 61.8 56.6 85.0



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: 22.28 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF080790.D

Acq: 1 Aug 2015 20:03

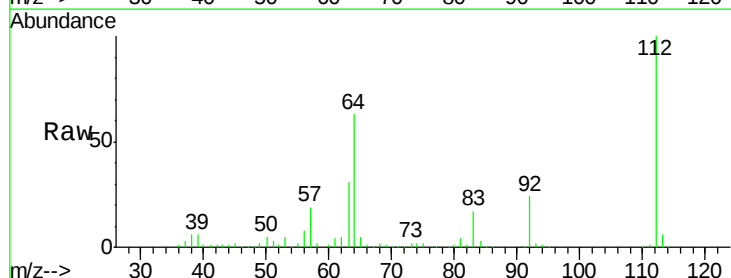
Tgt Ion:112 Resp: 204640

Ion Ratio Lower Upper

112 100

64 63.0 66.8 100.2#

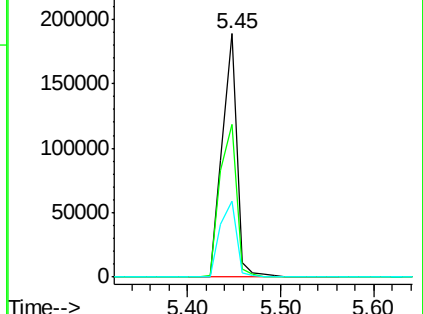
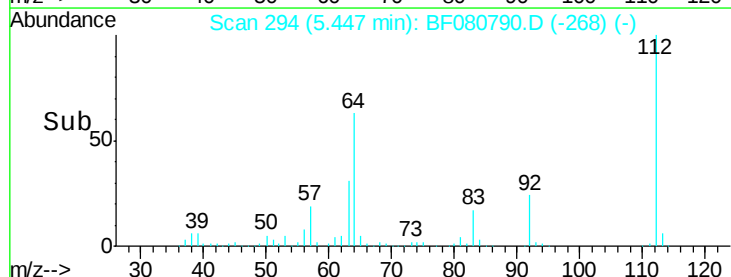
63 31.4 36.7 55.1#

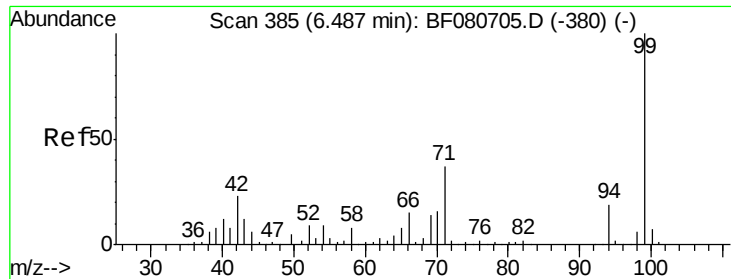


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.93 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF080790.D

Acq: 1 Aug 2015 20:03

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

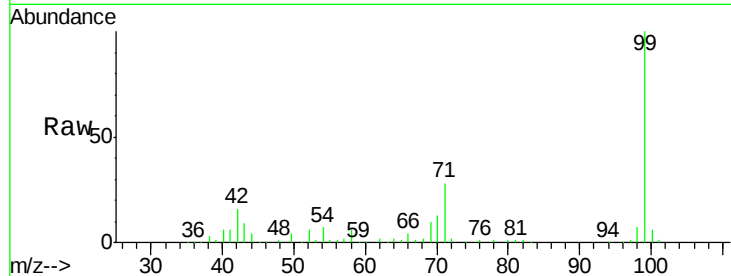
Tot Ion: 99 Resp: 249145

Ion Ratio Lower Upper

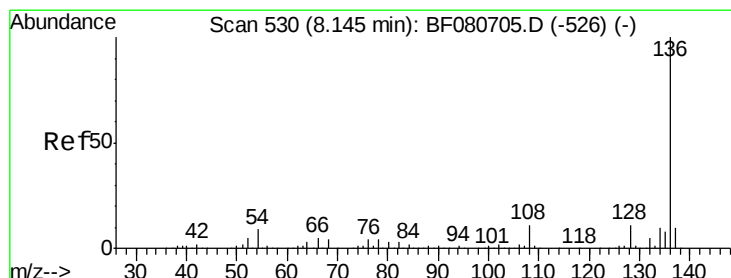
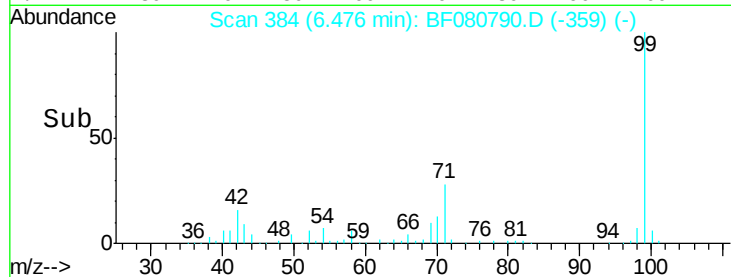
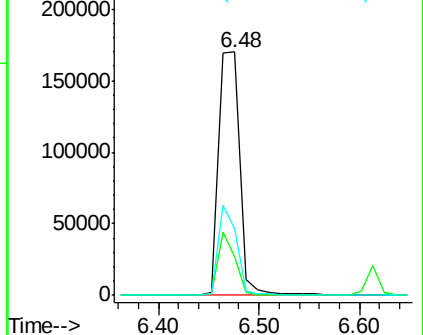
99 100

42 16.0 18.2 27.2#

71 27.7 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF080790.D

Acq: 1 Aug 2015 20:03

Tgt Ion: 136 Resp: 437837

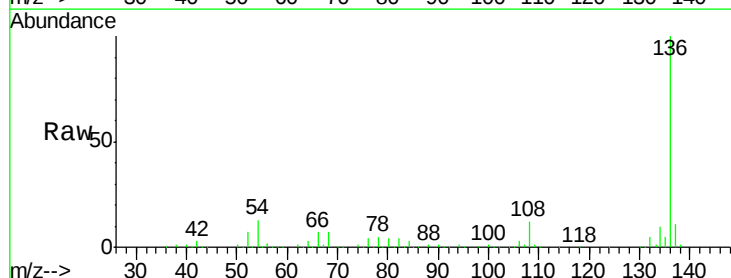
Ion Ratio Lower Upper

136 100

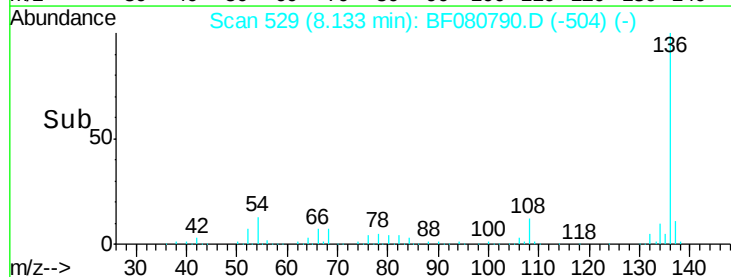
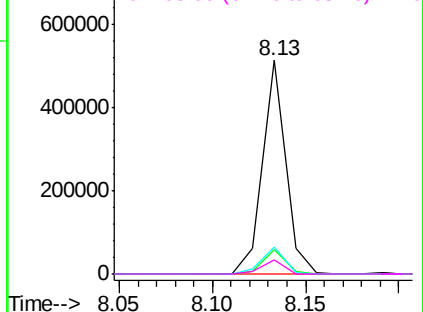
137 11.3 8.4 12.6

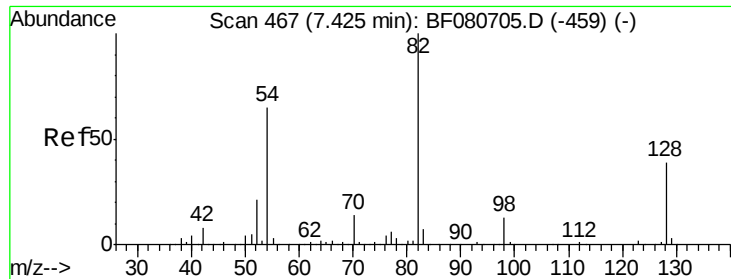
54 12.9 6.9 10.3#

68 6.6 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

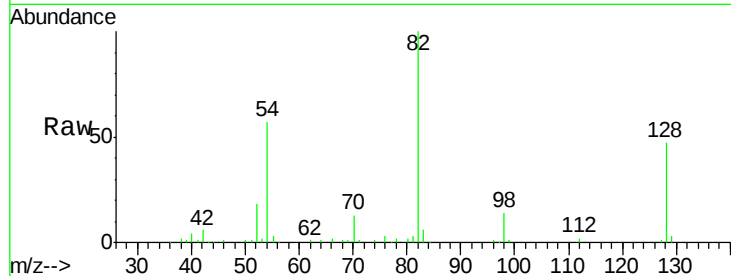




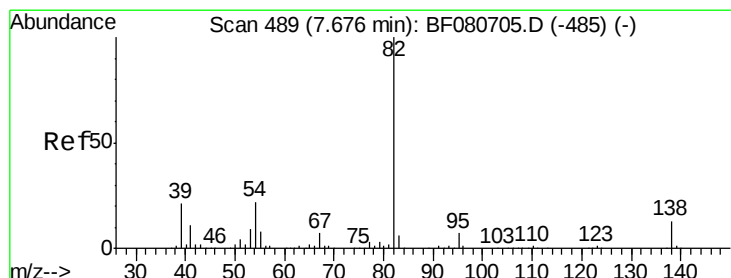
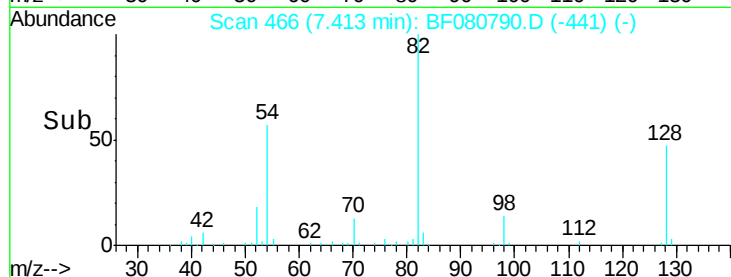
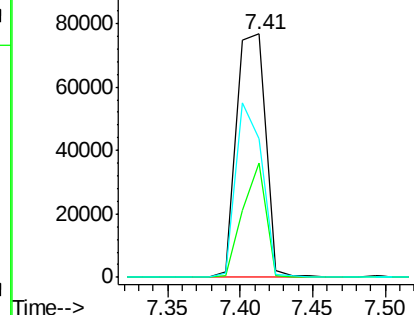
#23
Nitrobenzene-d5
Concen: 11.86 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF080790.D
Acq: 1 Aug 2015 20:03

Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-2(0-6FTBGS)

Tot Ion: 82 Resp: 107262
Ion Ratio Lower Upper
82 100
128 47.2 31.5 47.3
54 57.0 51.8 77.8

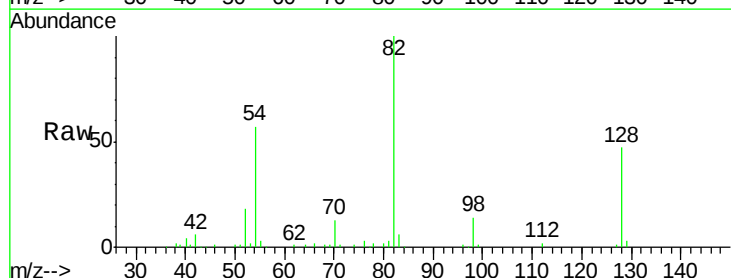


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

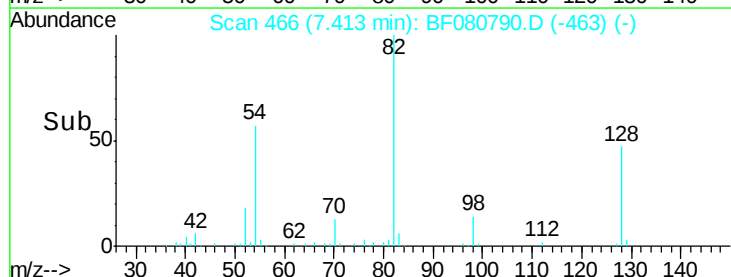
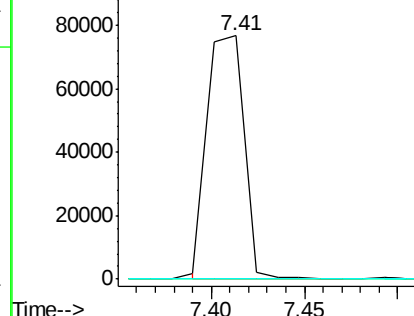


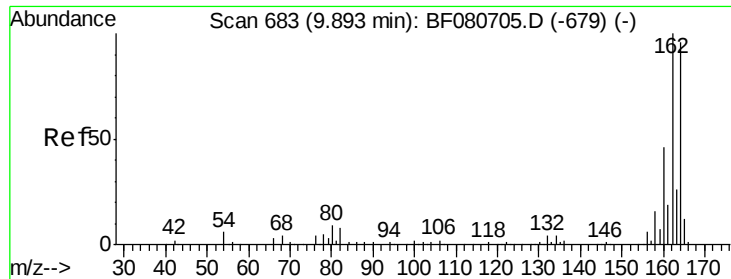
#25
Isophorone
Concen: 6.59 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.26 min
Lab File: BF080790.D
Acq: 1 Aug 2015 20:03

Tgt Ion: 82 Resp: 105967
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: BF080790.D

Acq: 1 Aug 2015 20:03

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

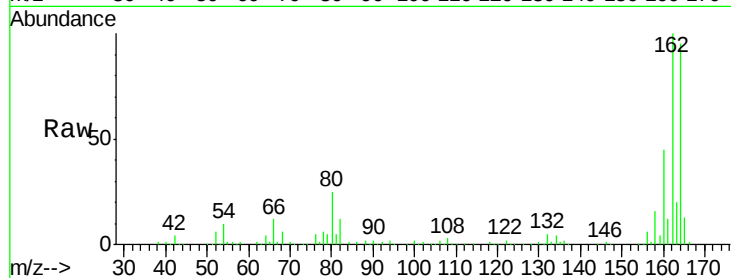
Tot Ion:164 Resp: 232922

Ion Ratio Lower Upper

164 100

162 105.3 83.4 125.0

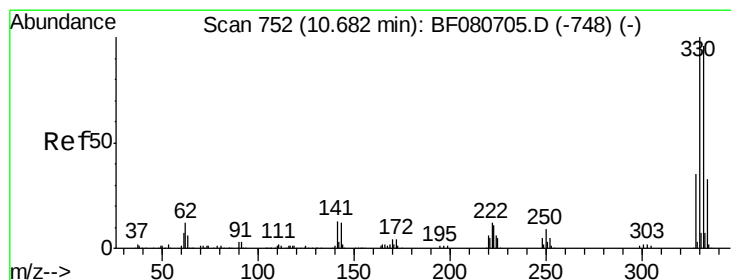
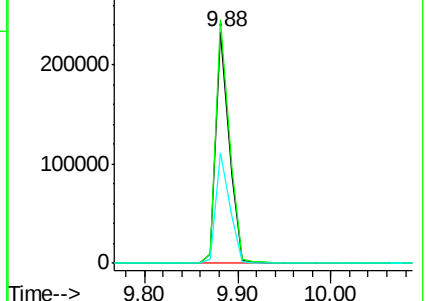
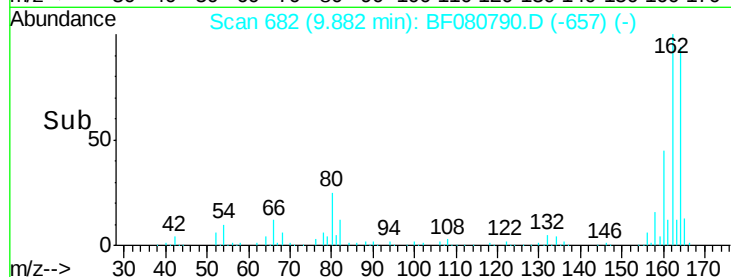
160 47.5 38.0 57.0



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: 18.62 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF080790.D

Acq: 1 Aug 2015 20:03

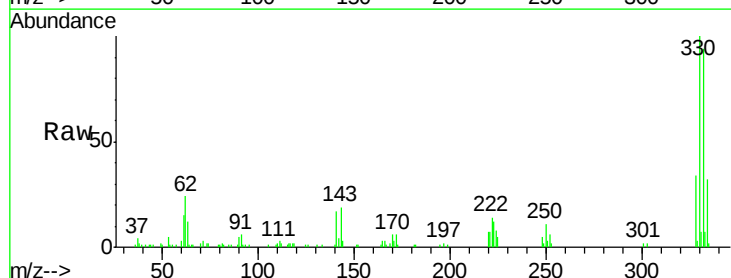
Tgt Ion:330 Resp: 45012

Ion Ratio Lower Upper

330 100

332 93.1 76.6 114.8

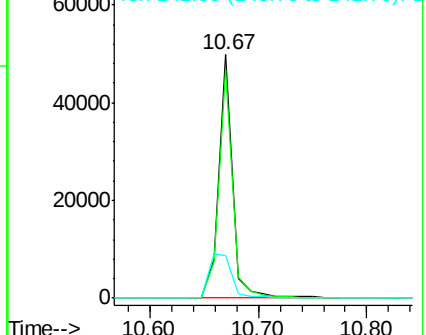
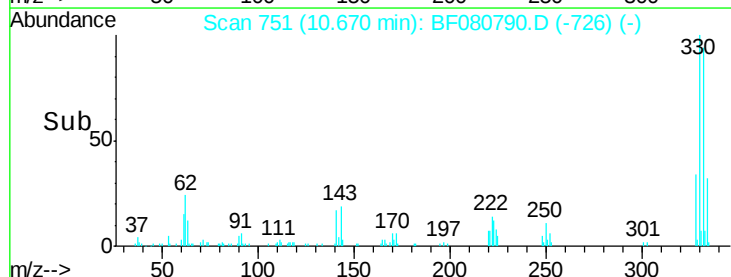
141 29.2 26.0 39.0

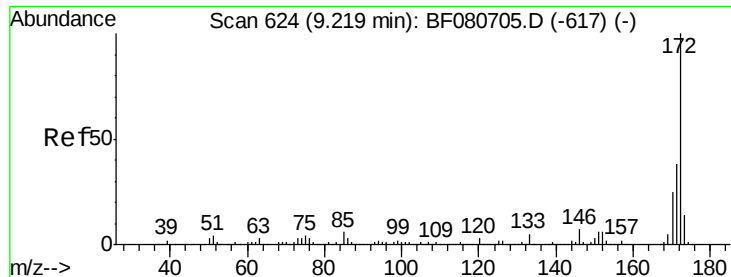


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

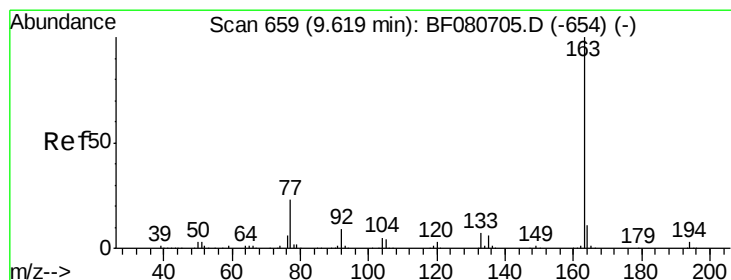
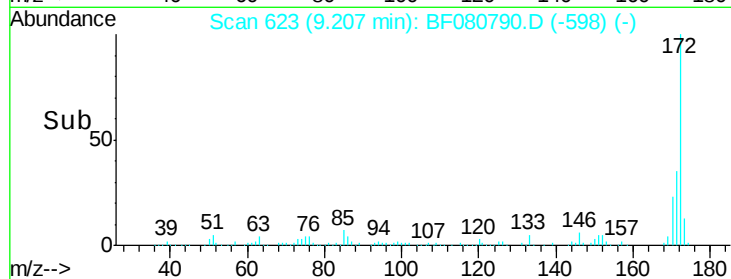
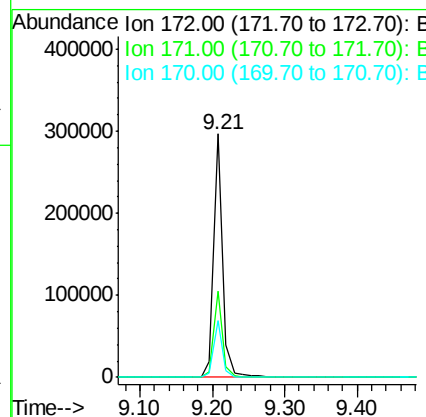
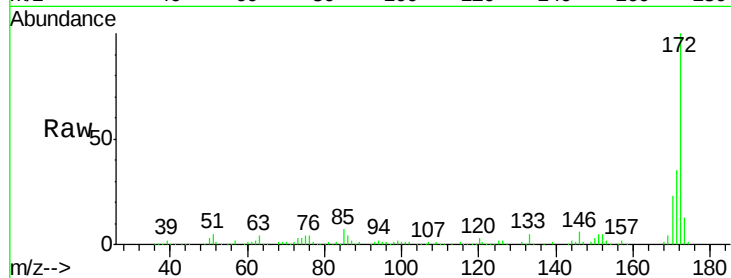




#44
2-Fluorobiphenyl
Concen: 16.38 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF080790.D
Acq: 1 Aug 2015 20:03

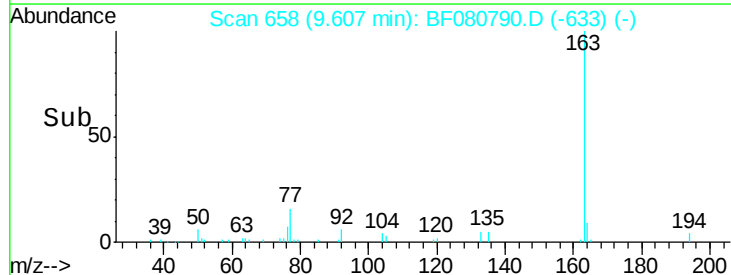
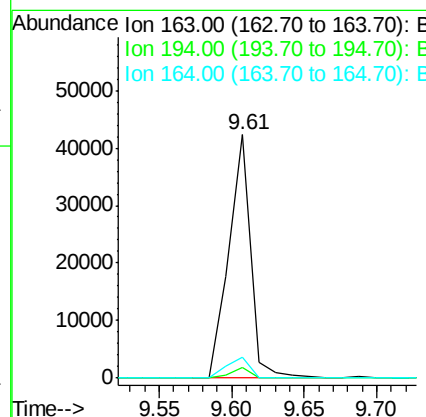
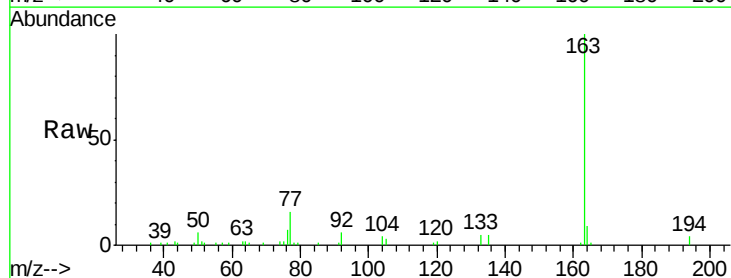
Instrument :
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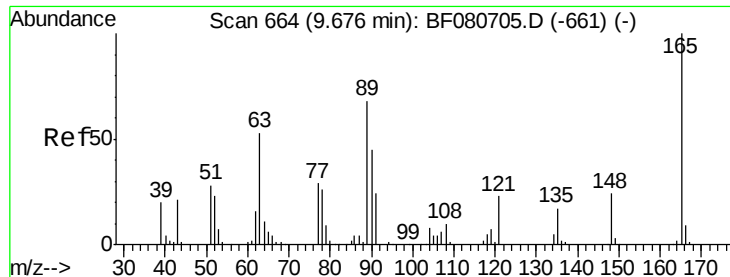
Tot Ion:172 Resp: 255692
Ion Ratio Lower Upper
172 100
171 35.3 30.2 45.4
170 23.1 20.2 30.2



#49
Dimethylphthalate
Concen: 2.70 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF080790.D
Acq: 1 Aug 2015 20:03

Tgt Ion:163 Resp: 44253
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 8.5 8.7 13.1#

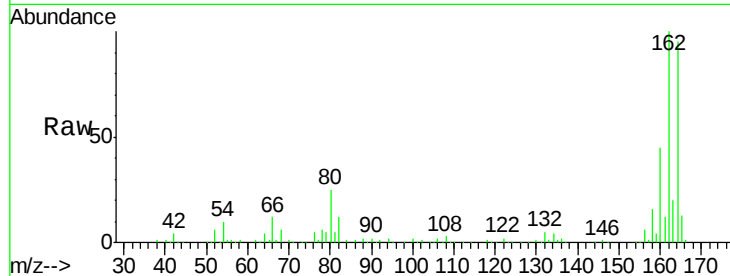




#50
 2,6-Dinitrotoluene
 Concen: 8.58 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.21 min
 Lab File: BF080790.D
 Acq: 1 Aug 2015 20:03

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-2(0-6FTBGS)

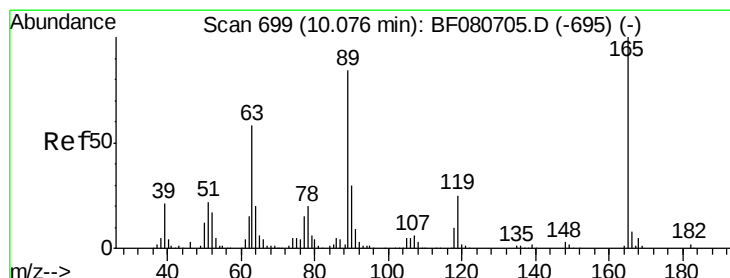
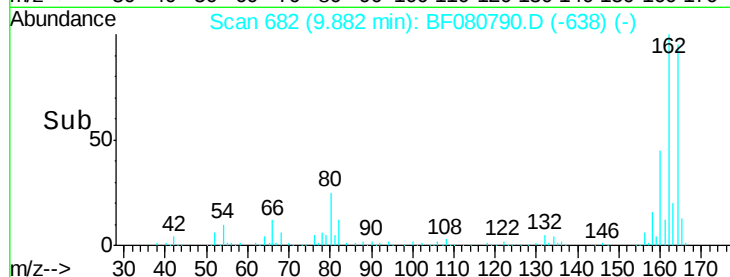
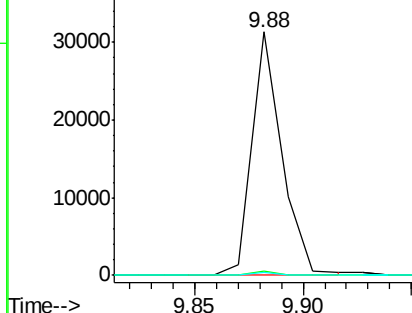
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	62.3	93.5#
89	1.3	54.8	82.2#



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: 6.60 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.19 min
 Lab File: BF080790.D
 Acq: 1 Aug 2015 20:03

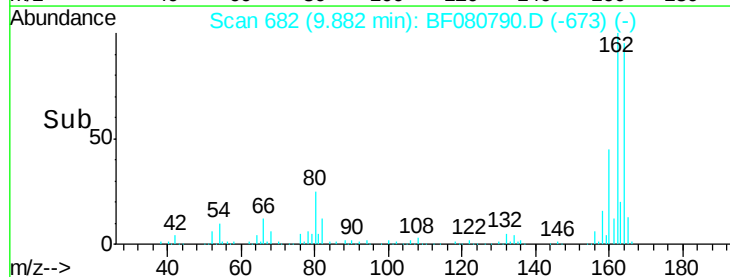
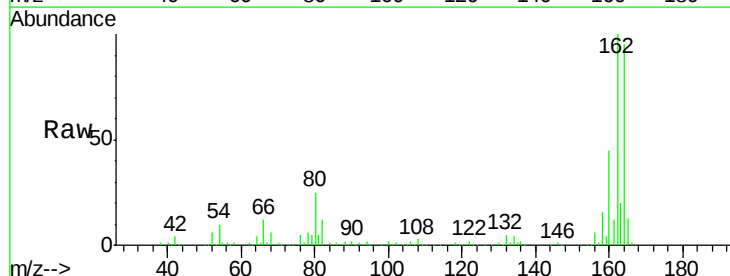
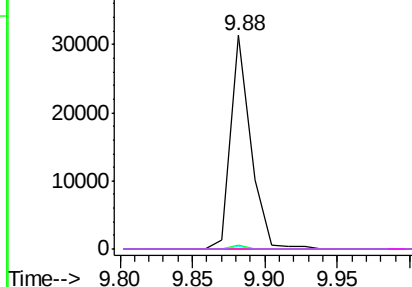
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	46.7	70.1#
89	1.3	67.4	101.2#
182	0.0	1.8	2.6#

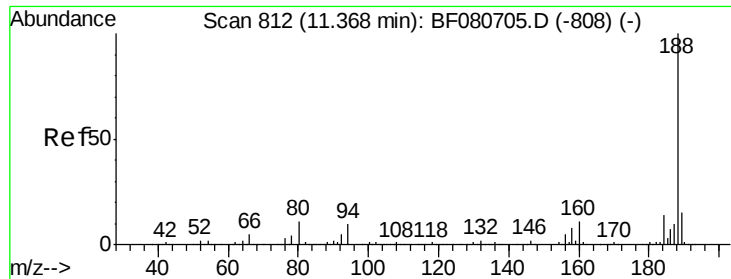
Abundance Ion 165.00 (164.70 to 165.70): E

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

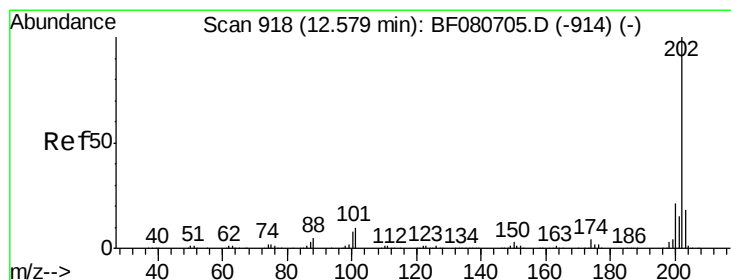
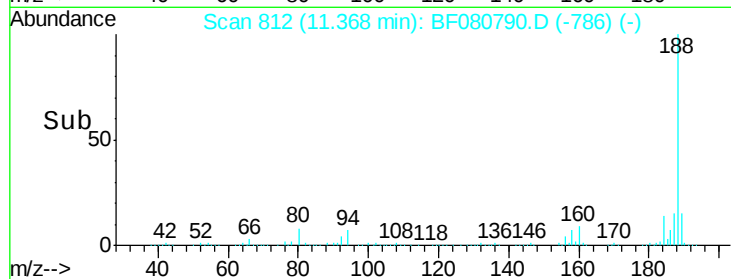
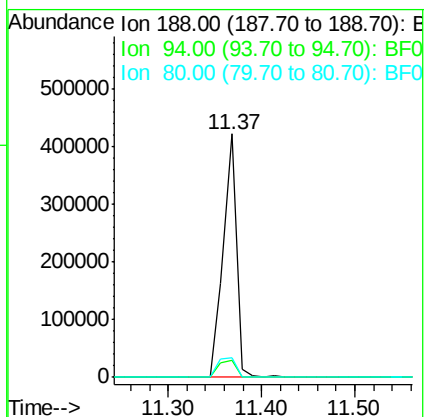
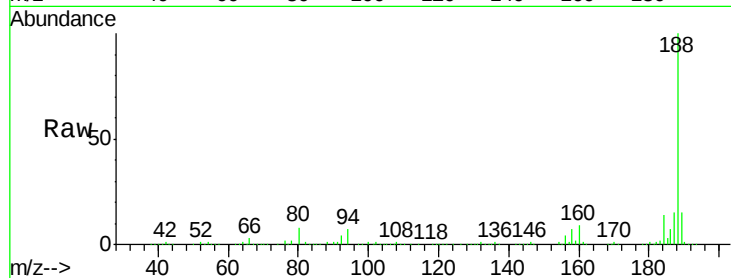




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF080790.D
Acq: 1 Aug 2015 20:03

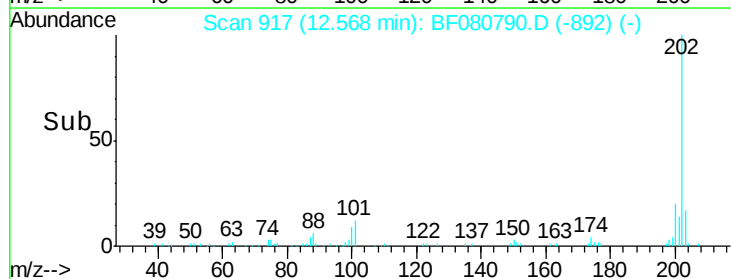
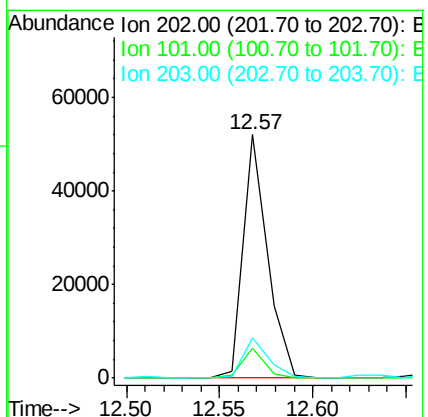
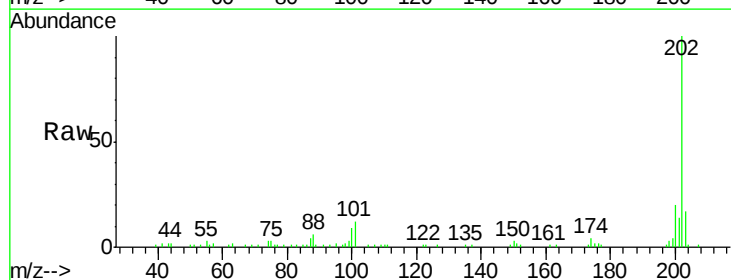
Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-2(0-6FTBGS)

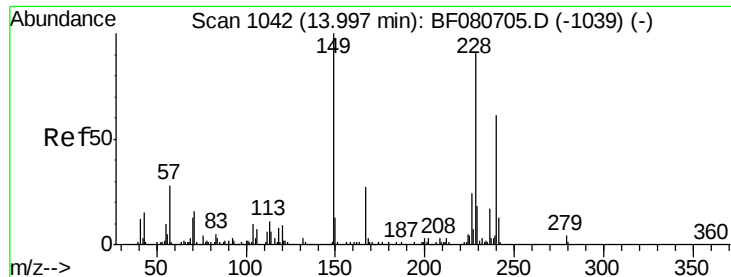
Tot Ion:188 Resp: 416529
Ion Ratio Lower Upper
188 100
94 7.3 8.1 12.1#
80 8.0 9.1 13.7#



#74
Fluoranthene
Concen: 2.35 ng
RT: 12.57 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF080790.D
Acq: 1 Aug 2015 20:03

Tgt Ion:202 Resp: 47583
Ion Ratio Lower Upper
202 100
101 12.2 0.0 29.6
203 16.7 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: BF080790.D

Acq: 1 Aug 2015 20:03

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

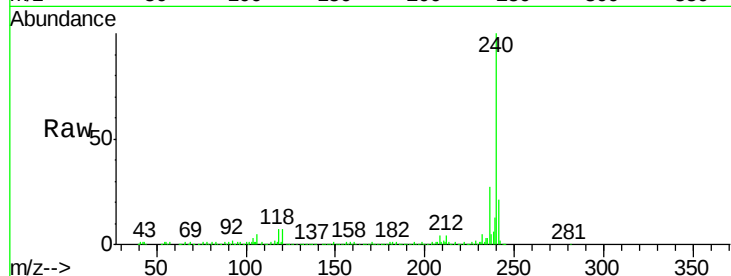
Tot Ion:240 Resp: 367683

Ion Ratio Lower Upper

240 100

120 7.4 11.8 17.8#

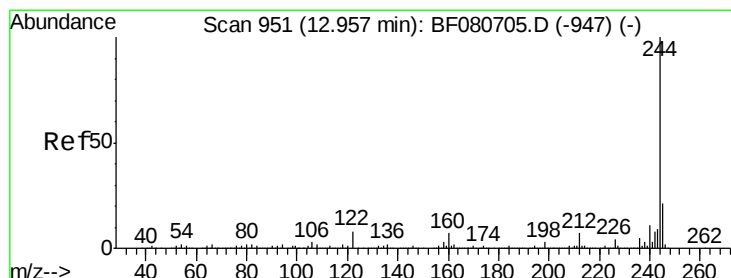
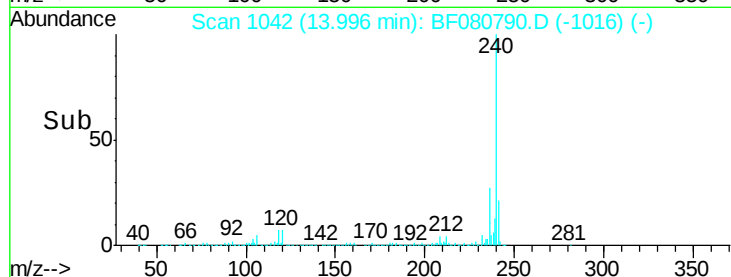
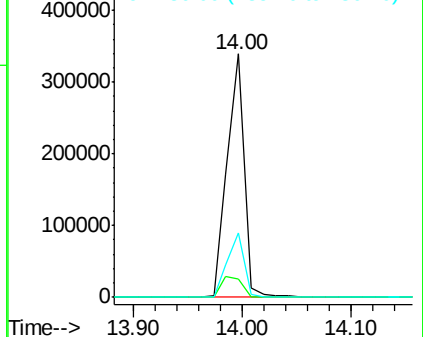
236 26.7 21.8 32.8



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



#78

Terphenyl-d14

Concen: 8.83 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF080790.D

Acq: 1 Aug 2015 20:03

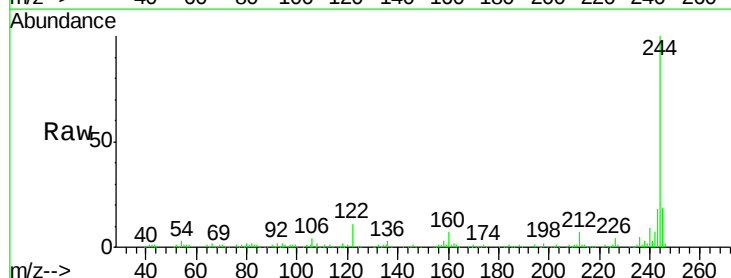
Tgt Ion:244 Resp: 171720

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

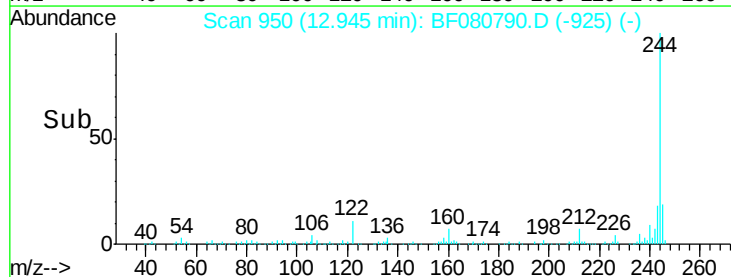
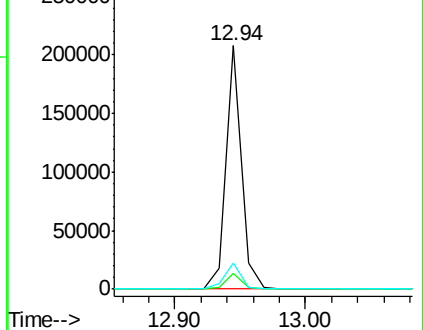
122 10.5 6.6 9.8#

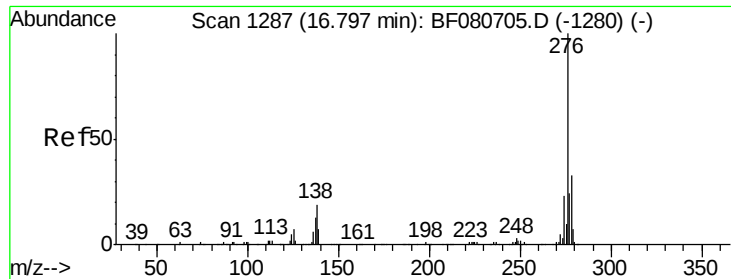


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.56 ng

RT: 16.79 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF080790.D

Acq: 1 Aug 2015 20:03

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

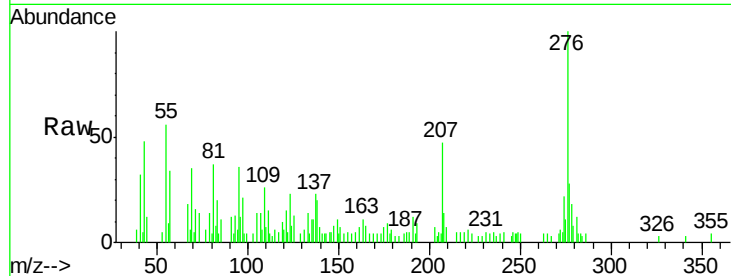
Tot Ion:276 Resp: 19325

Ion Ratio Lower Upper

276 100

138 26.0 13.2 19.8#

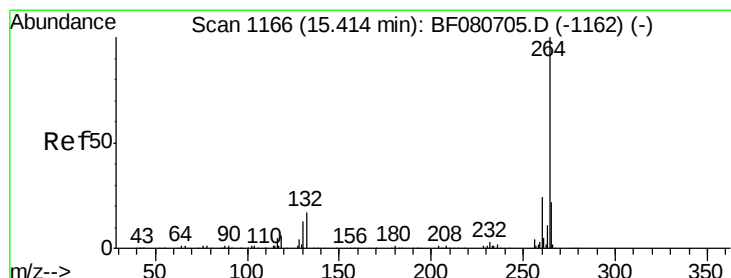
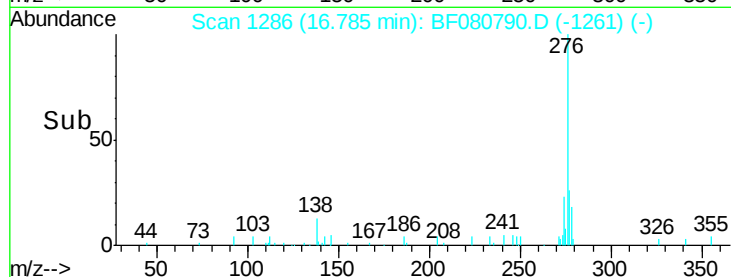
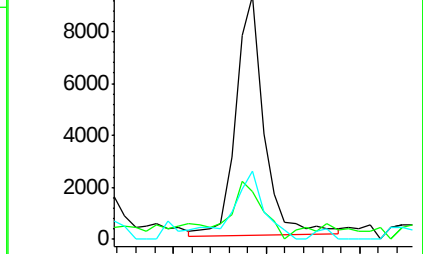
277 32.0 15.4 23.2#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BF080790.D

Acq: 1 Aug 2015 20:03

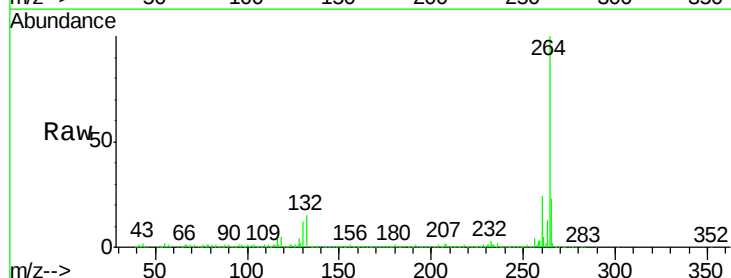
Tgt Ion:264 Resp: 486034

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.0

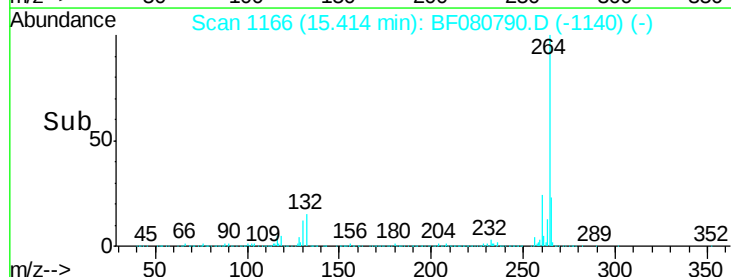
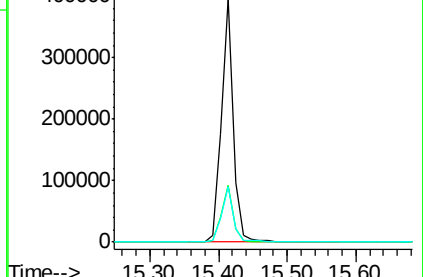
265 22.7 17.3 25.9

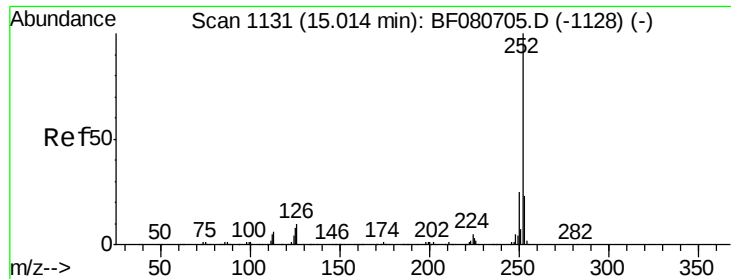


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.02 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF080790.D

Acq: 1 Aug 2015 20:03

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

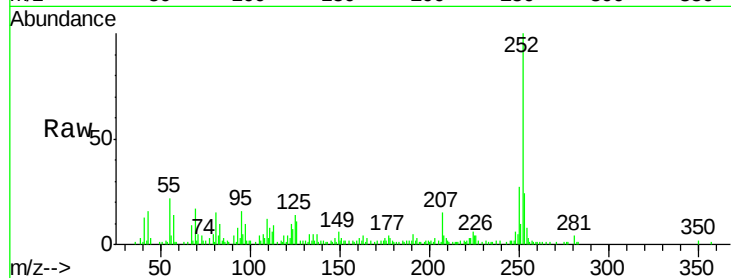
Tot Ion:252 Resp: 58775

Ion Ratio Lower Upper

252 100

253 24.2 18.1 27.1

125 13.9 6.2 9.2#

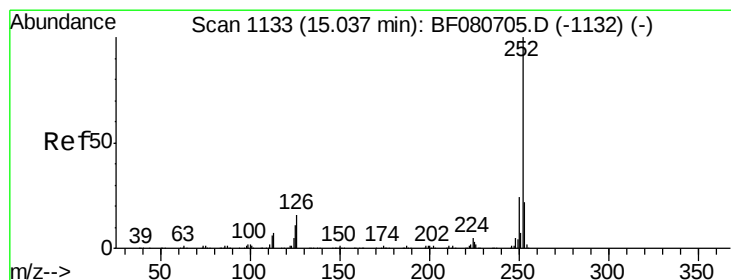
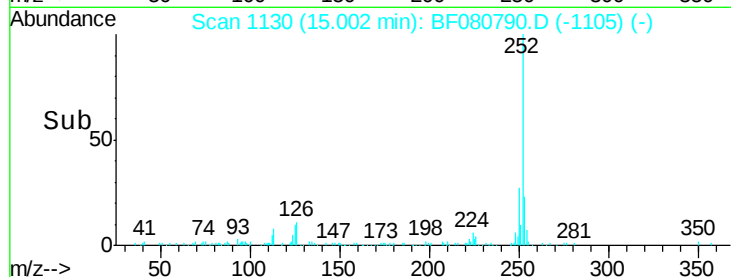
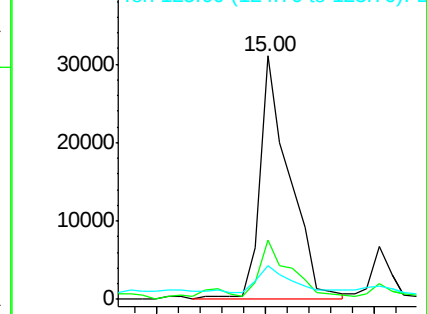


Abundance

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: 2.46 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF080790.D

Acq: 1 Aug 2015 20:03

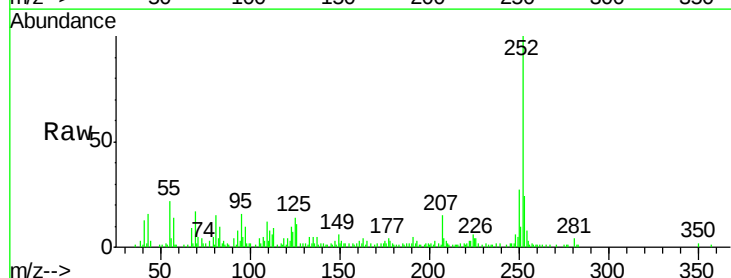
Tgt Ion:252 Resp: 58775

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

125 13.9 9.0 13.4#



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

