

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
 Data File : BF080617.D
 Acq On : 24 Jul 2015 3:57
 Operator : TP/UM
 Sample : G3054-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Quant Time: Jul 24 04:46:58 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 24 01:01:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	41215	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	150488	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	67198	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	116473	20.00	ng	0.00
75) Chrysene-d12	14.20	240	157622	20.00	ng	0.02
86) Perylene-d12	15.80	264	192229	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	30761	12.89	ng	0.00
7) Phenol-d6	6.56	99	46697	16.01	ng	0.00
23) Nitrobenzene-d5	7.50	82	30183	11.36	ng	0.00
41) 2,4,6-Tribromophenol	10.77	330	2305	4.33	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	63342	13.68	ng	0.00
78) Terphenyl-d14	13.08	244	63164	8.39	ng	0.01

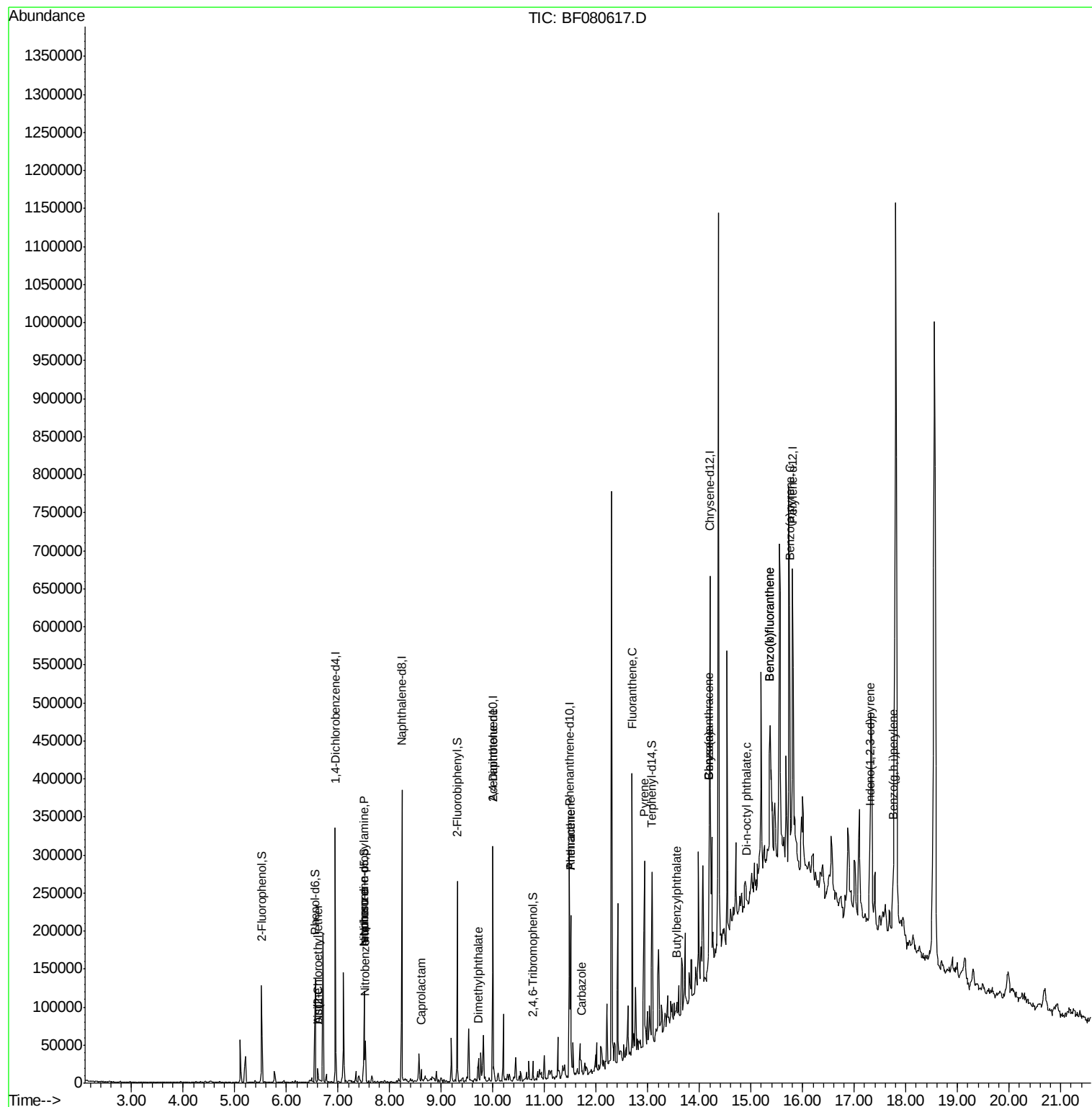
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.60	93	13479	3.16	ng	# 94
11) bis(2-Chloroethyl)ether	6.60	93	13479	5.56	ng	# 15
19) n-Nitroso-di-n-propylamine	7.50	70	4249	2.15	ng	# 75
24) Nitrobenzene	7.53	77	12876	4.54	ng	# 91
25) Isophorone	7.50	82	25947	5.27	ng	# 66
35) Caprolactam	8.61	113	1116	2.26	ng	# 83
49) Dimethylphthalate	9.71	163	10691	2.16	ng	# 99
56) 2,4-Dinitrotoluene	10.00	165	10178	8.79	ng	# 10
70) Phenanthrene	11.50	178	85372	12.99	ng	# 98
71) Anthracene	11.50	178	85372	13.87	ng	# 99
72) Carbazole	11.71	167	10815	2.03	ng	# 94
74) Fluoranthene	12.69	202	140335	23.85	ng	# 99
77) Pyrene	12.93	202	120394	11.38	ng	# 98
79) Butylbenzylphthalate	13.56	149	1089	5.56	ng	# 32
80) Benzo(a)anthracene	14.19	228	70825	7.97	ng	# 97
82) Chrysene	14.19	228	70825	8.01	ng	# 98
84) Di-n-octyl phthalate	14.91	149	7021	6.78	ng	# 66
85) Indeno(1,2,3-cd)pyrene	17.30	276	53679	8.02	ng	# 92
87) Benzo(b)fluoranthene	15.37	252	145444	12.44	ng	# 93
88) Benzo(k)fluoranthene	15.37	252	145444	12.50	ng	# 96
89) Benzo(a)pyrene	15.75	252	73788	7.11	ng	# 97
91) Benzo(g,h,i)perylene	17.76	276	58024	5.80	ng	# 91

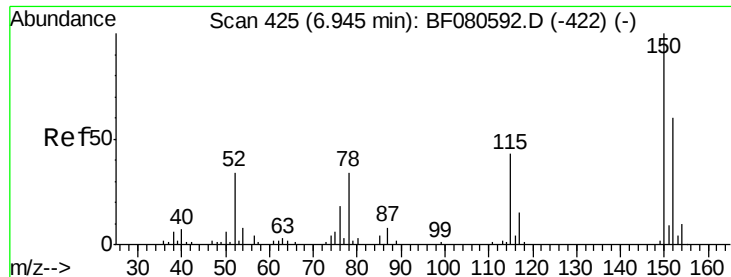
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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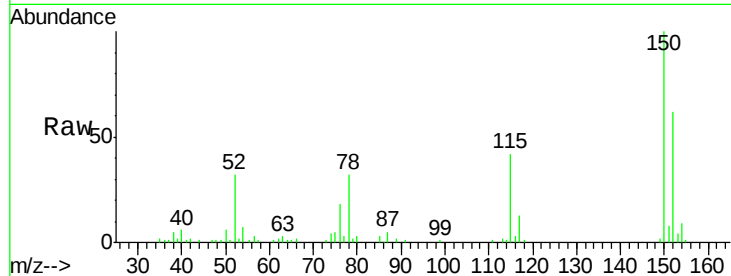


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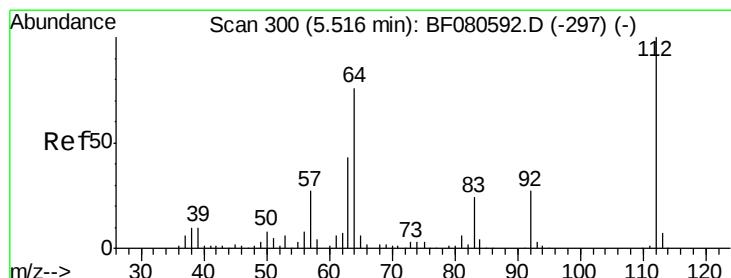
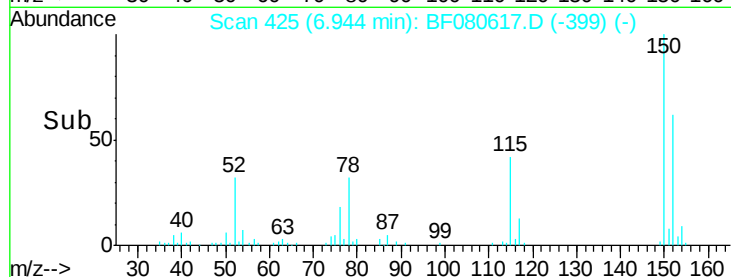
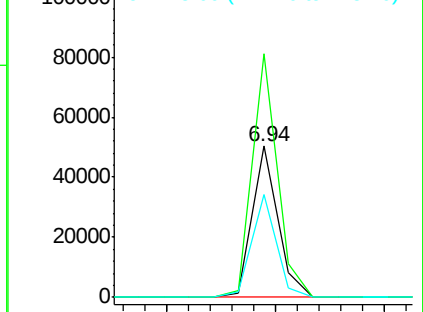
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Instrument :
BNA_F
ClientSampleId :
CONC1

Tgt Ion:152 Resp: 41215
Ion Ratio Lower Upper
152 100
150 161.4 128.7 193.1
115 67.8 56.8 85.2



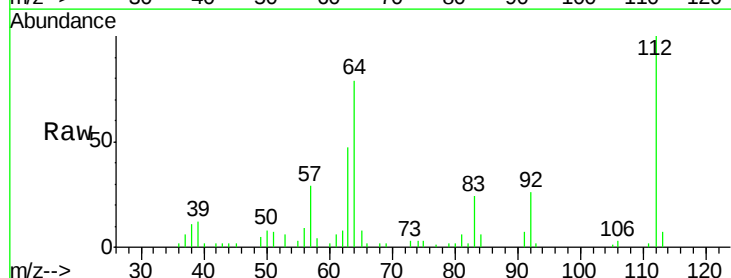
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



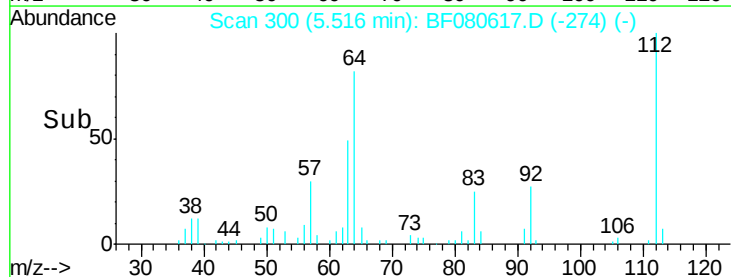
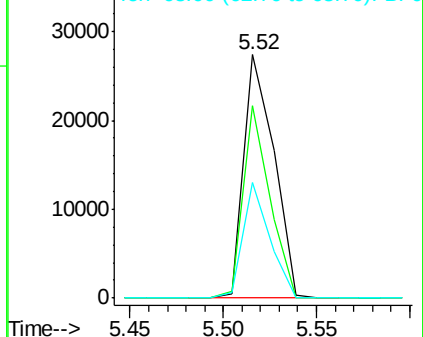
#5

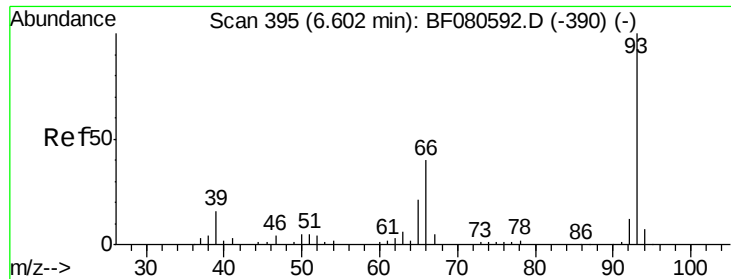
2-Fluorophenol
Concen: 12.89 ng
RT: 5.52 min Scan# 300
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Tgt Ion:112 Resp: 30761
Ion Ratio Lower Upper
112 100
64 79.1 60.2 90.2
63 47.4 34.8 52.2



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





#6

Aniline

Concen: 3.16 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

CONC1

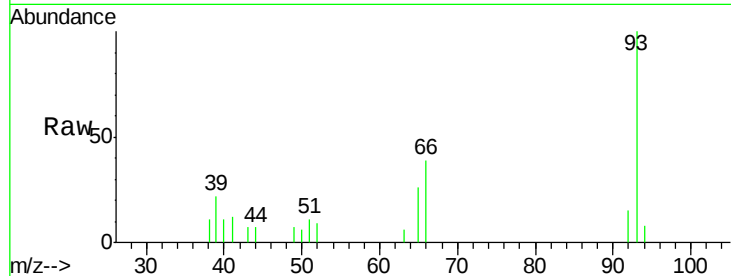
Tgt Ion: 93 Resp: 13479

Ion Ratio Lower Upper

93 100

66 38.8 33.1 49.7

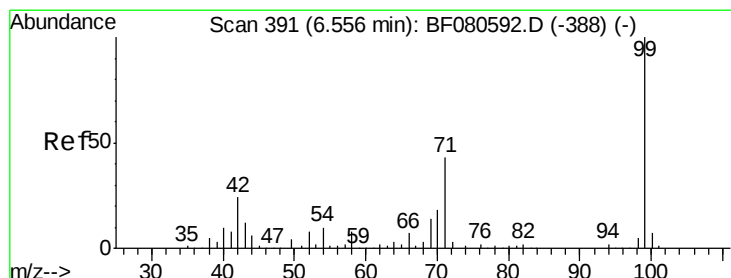
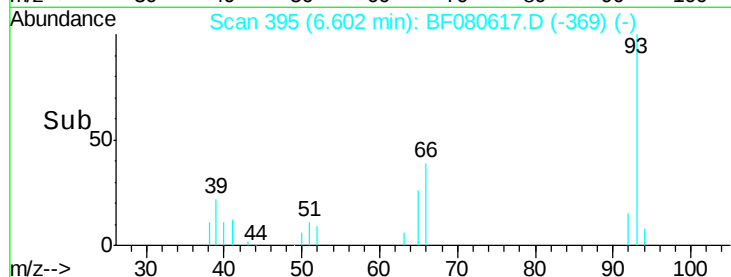
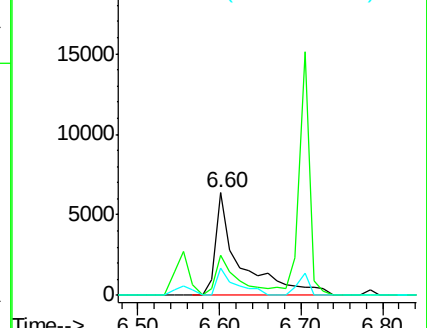
65 26.4 17.2 25.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 16.01 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

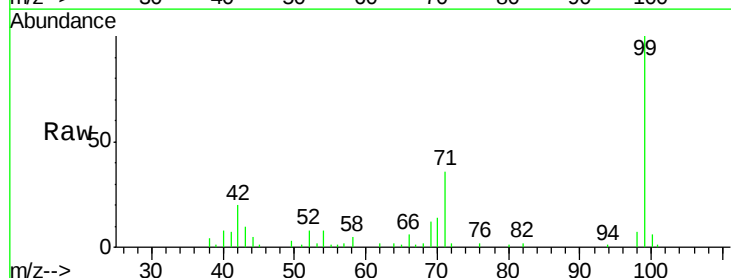
Tgt Ion: 99 Resp: 46697

Ion Ratio Lower Upper

99 100

42 20.4 17.4 26.2

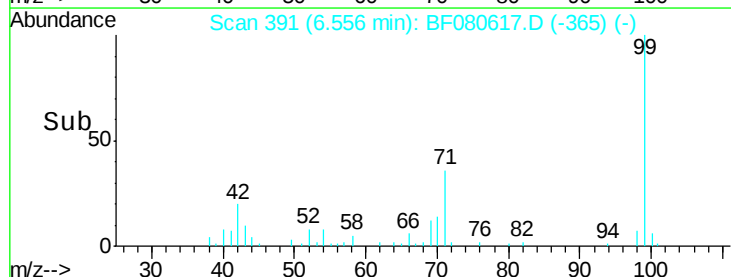
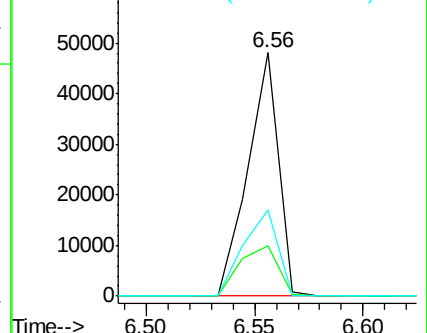
71 35.6 29.0 43.6

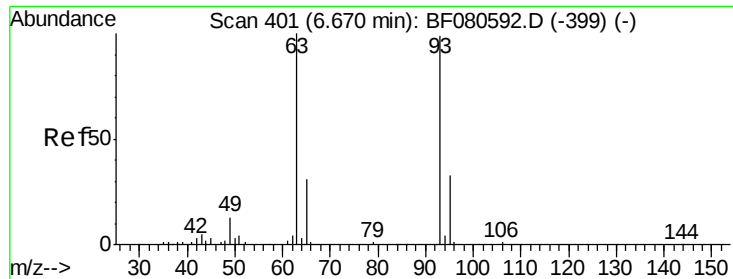


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

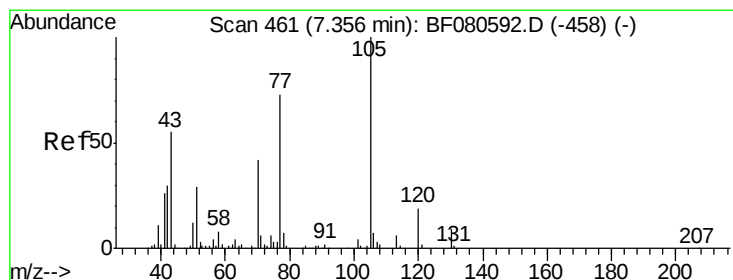
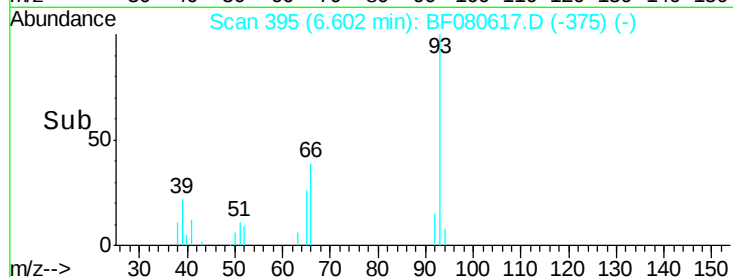
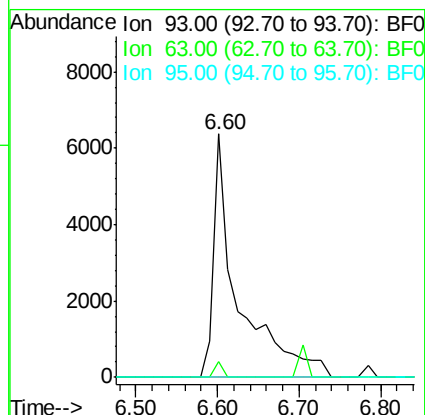
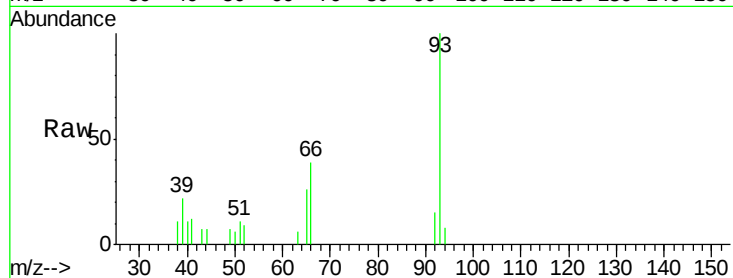




#11
bis(2-Chloroethyl)ether
Concen: 5.56 ng
RT: 6.60 min Scan# 395
Delta R.T. -0.07 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

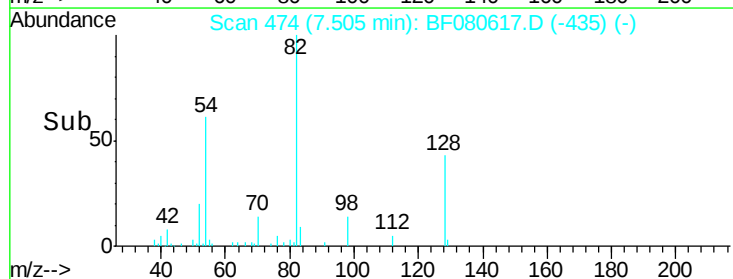
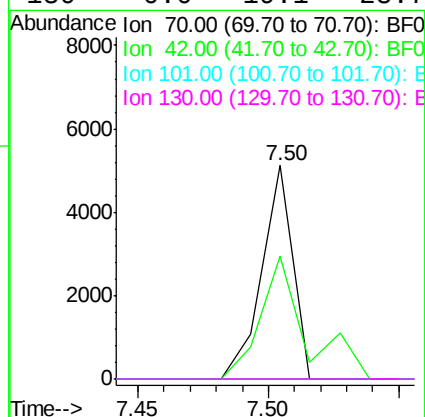
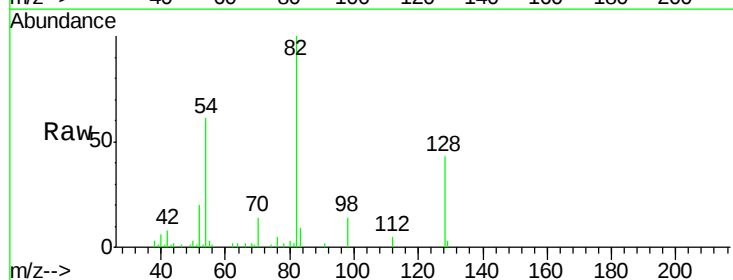
Instrument :
BNA_F
ClientSampleId :
CONC1

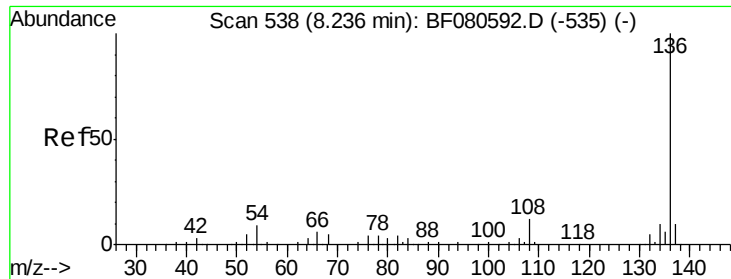
Tgt Ion: 93 Resp: 13479
Ion Ratio Lower Upper
93 100
63 6.3 80.5 120.5#
95 0.0 11.2 51.2#



#19
n-Nitroso-di-n-propylamine
Concen: 2.15 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.15 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Tgt Ion: 70 Resp: 4249
Ion Ratio Lower Upper
70 100
42 57.6 56.6 85.0
101 0.0 9.7 14.5#
130 0.0 19.1 28.7#

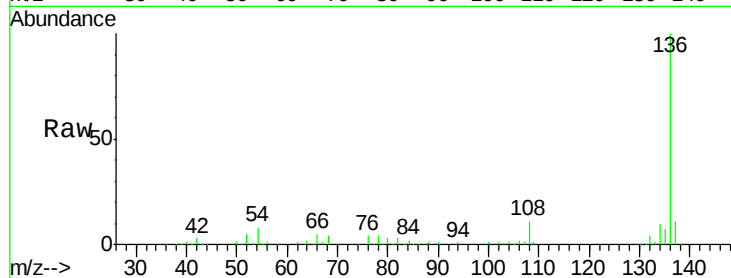




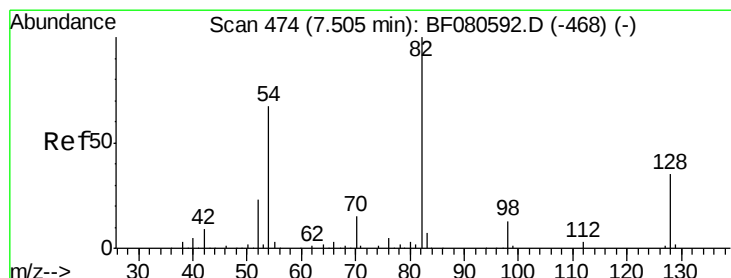
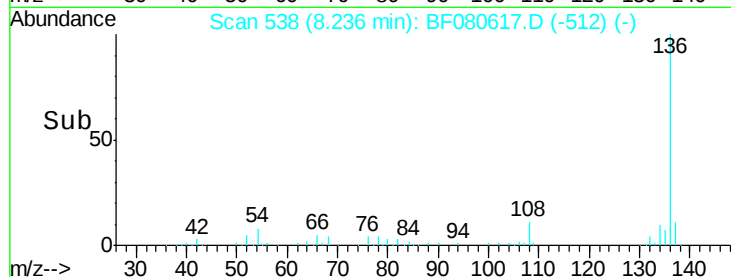
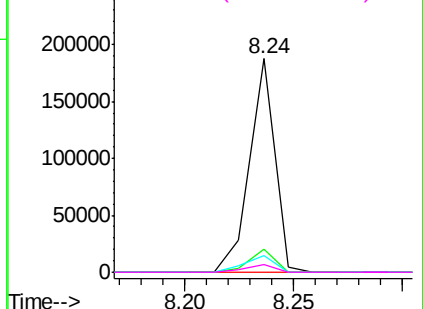
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Instrument :
BNA_F
ClientSampleId :
CONC1

Tgt Ion:	136	Resp:	150488
Ion	Ratio	Lower	Upper
136	100		
137	10.7	7.8	11.8
54	7.7	7.2	10.8
68	3.8	3.8	5.6

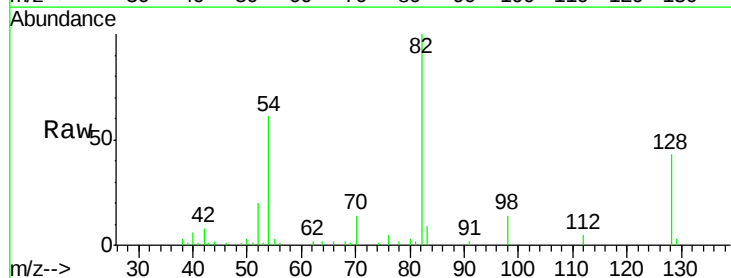


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

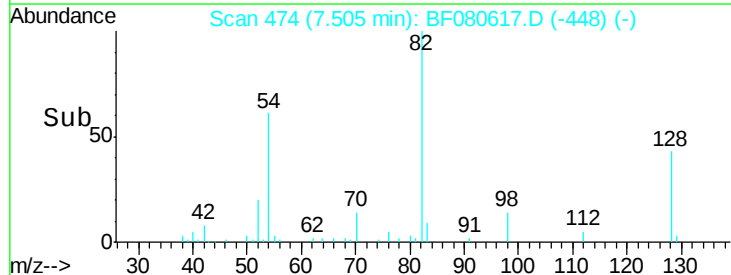
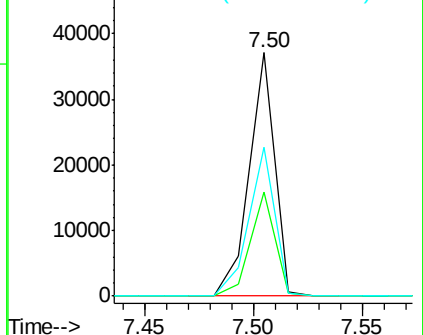


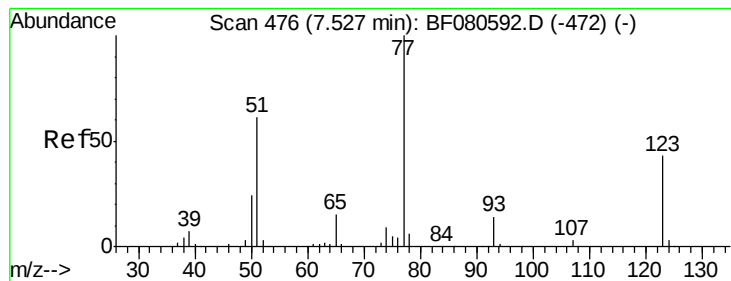
#23
Nitrobenzene-d5
Concen: 11.36 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Tgt Ion:	82	Resp:	30183
Ion	Ratio	Lower	Upper
82	100		
128	42.8	28.9	43.3
54	61.3	54.5	81.7



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





#24

Nitrobenzene

Concen: 4.54 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

CONC1

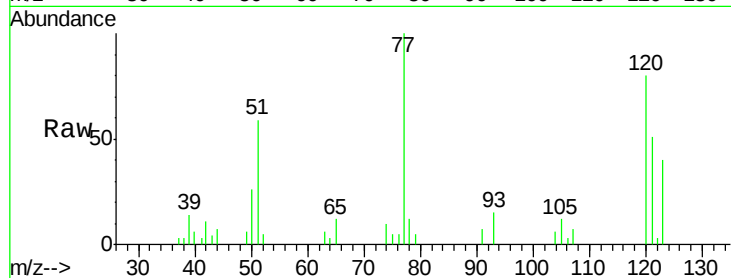
Tgt Ion: 77 Resp: 12876

Ion Ratio Lower Upper

77 100

123 40.0 37.1 55.7

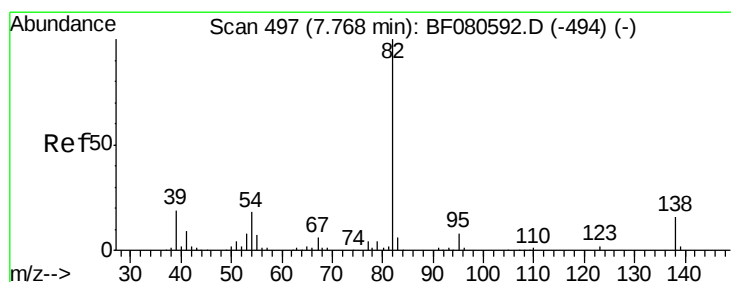
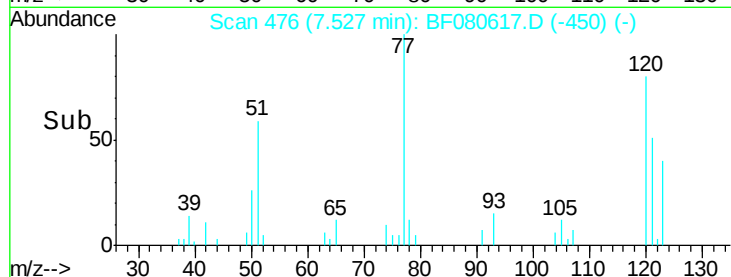
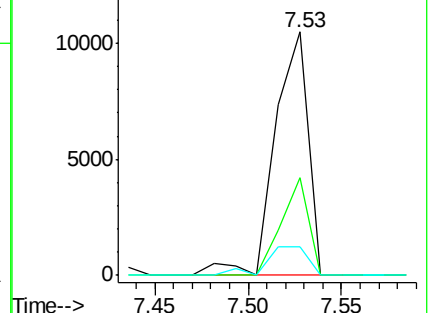
65 11.8 11.4 17.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 5.27 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.26 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

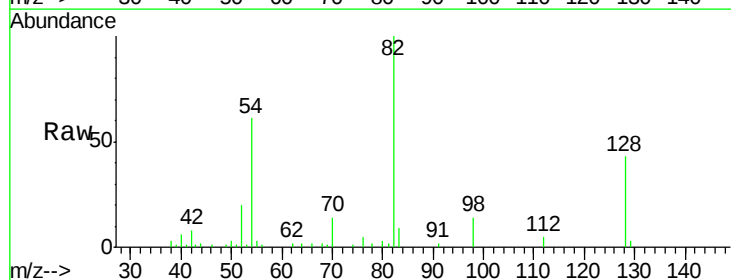
Tgt Ion: 82 Resp: 25947

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

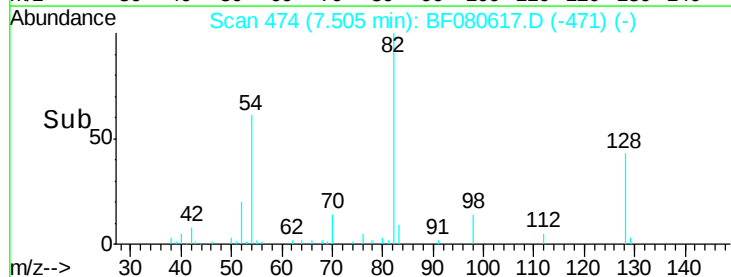
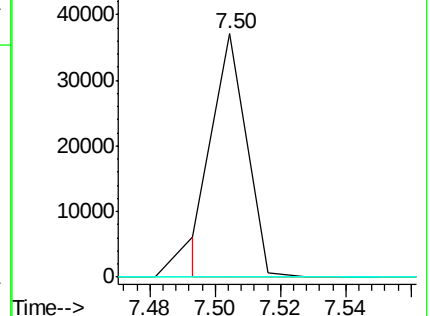
138 0.0 13.4 20.2#

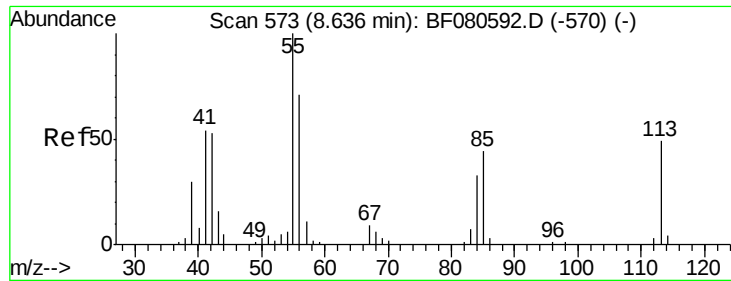


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

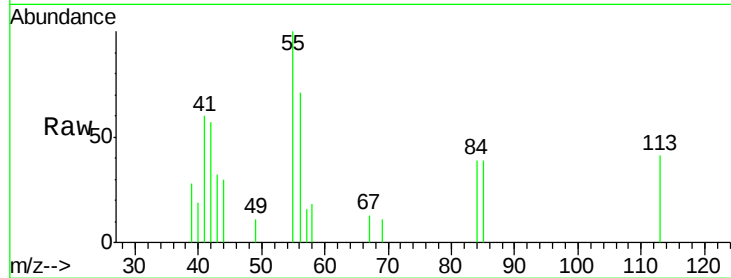




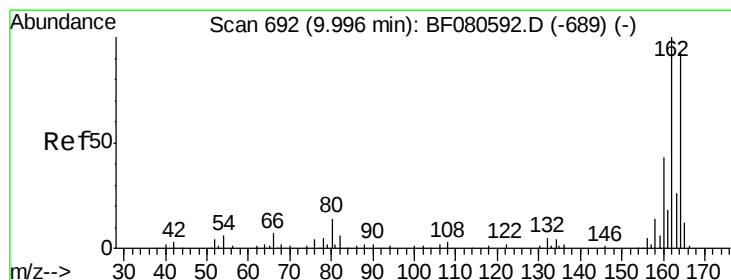
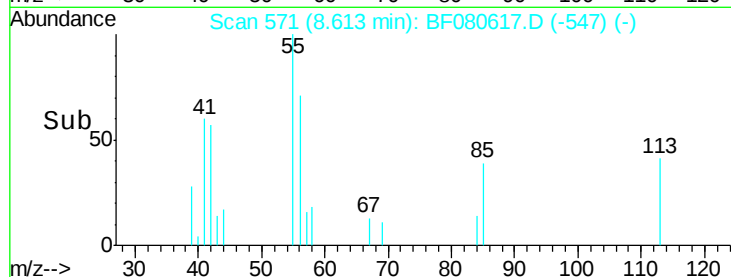
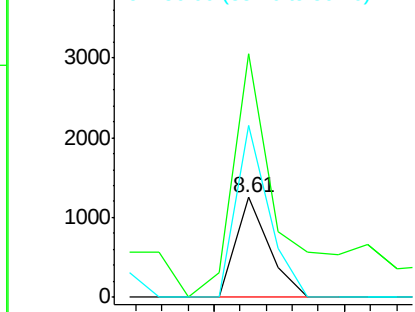
#35
 Caprolactam
 Concen: 2.26 ng
 RT: 8.61 min Scan# 571
 Delta R.T. -0.02 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Tgt Ion:113 Resp: 1116
 Ion Ratio Lower Upper
 113 100
 55 243.1 259.3 299.3#
 56 172.1 171.6 211.6

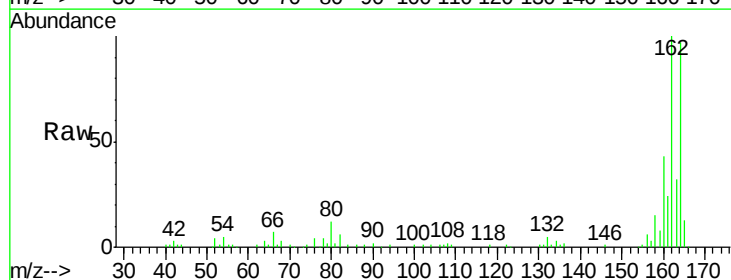


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

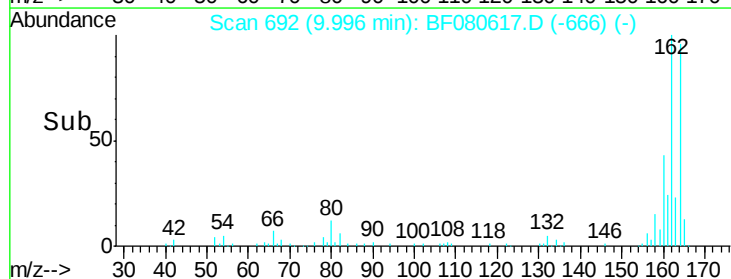
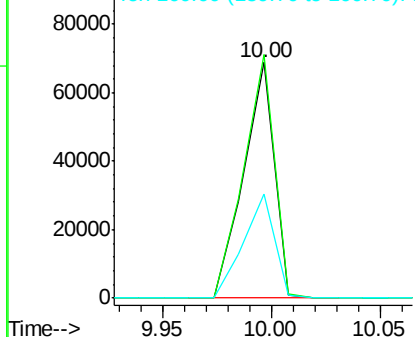


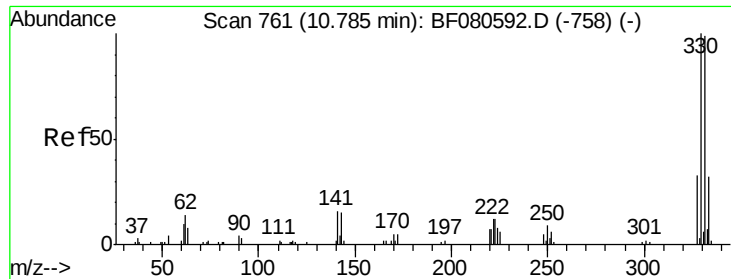
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.00 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Tgt Ion:164 Resp: 67198
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.2 123.4
 160 44.3 36.1 54.1



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

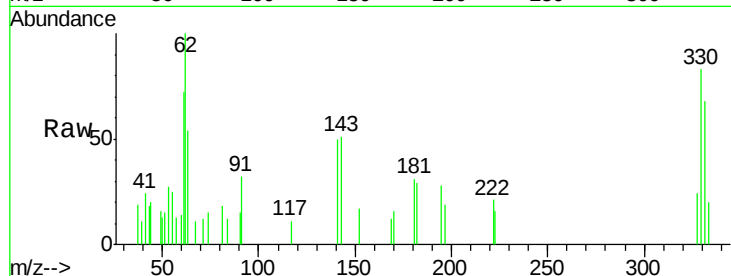




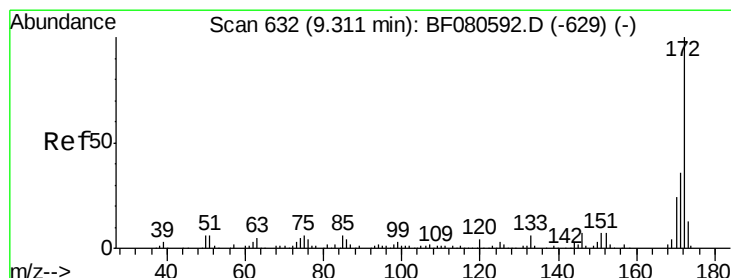
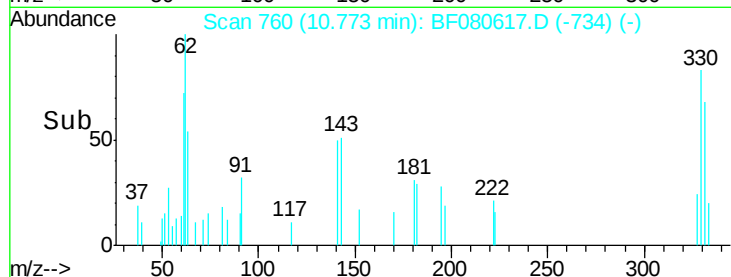
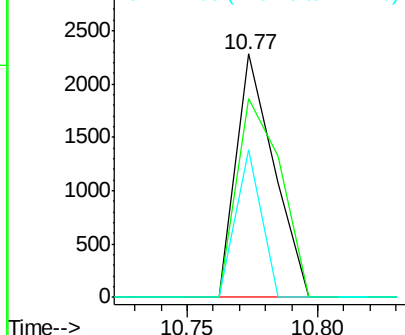
#41
 2,4,6-Tribromophenol
 Concen: 4.33 ng
 RT: 10.77 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Tgt Ion: 330 Resp: 2305
 Ion Ratio Lower Upper
 330 100
 332 94.7 78.3 117.5
 141 41.3 37.9 56.9

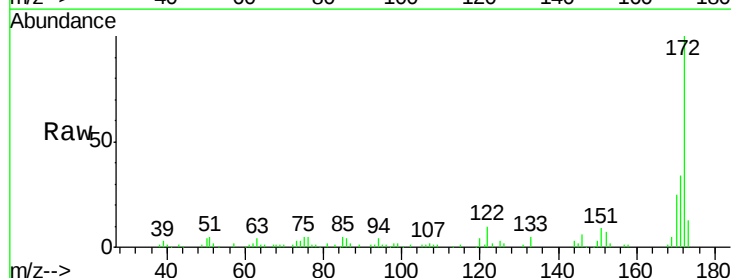


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

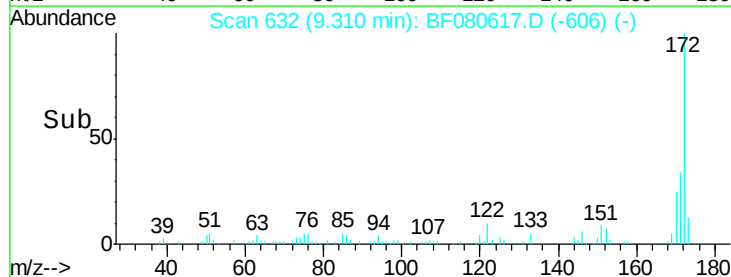
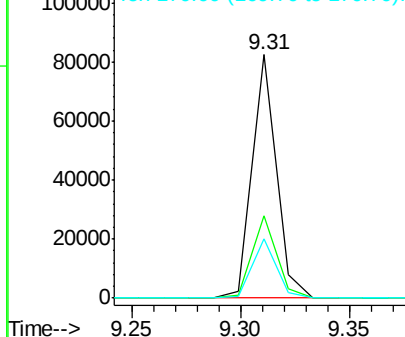


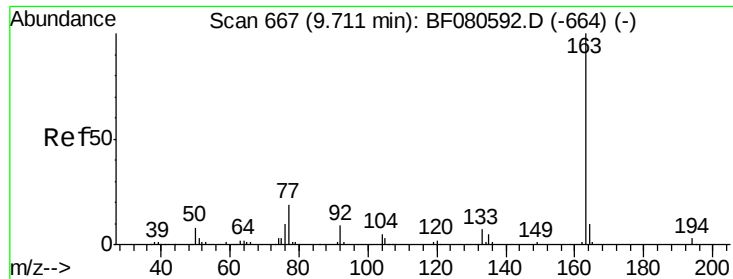
#44
 2-Fluorobiphenyl
 Concen: 13.68 ng
 RT: 9.31 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Tgt Ion: 172 Resp: 63342
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.7 41.5
 170 24.6 19.1 28.7



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

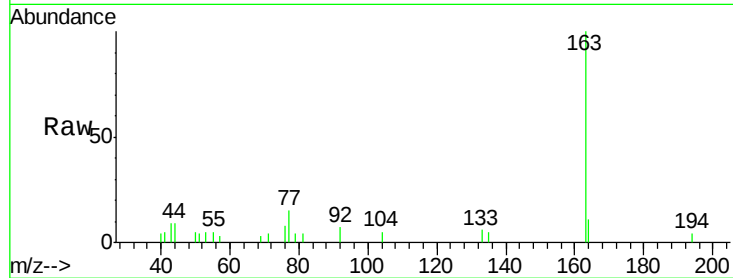




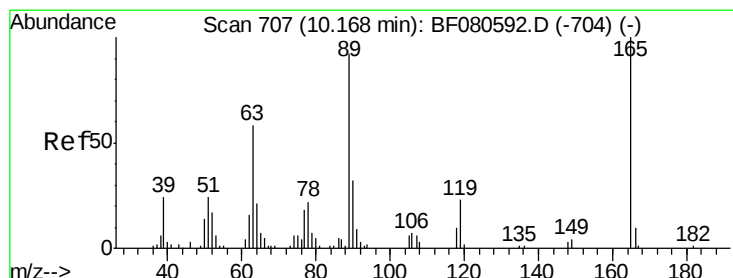
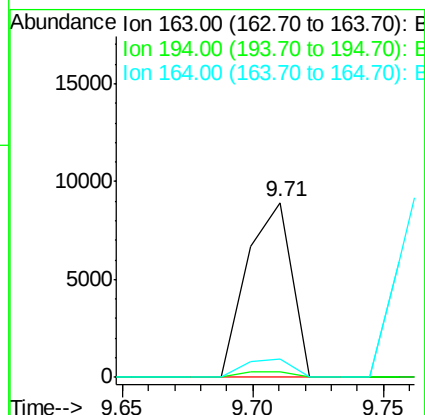
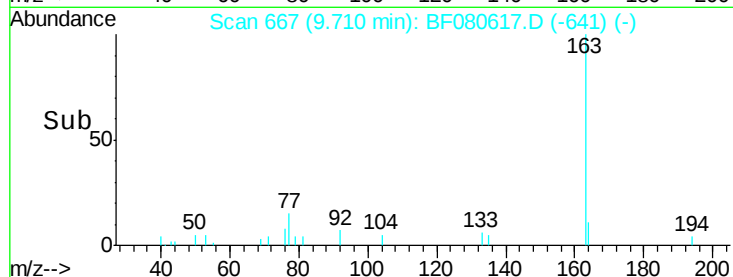
#49
Dimethylphthalate
Concen: 2.16 ng
RT: 9.71 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Instrument :
BNA_F
ClientSampleId :
CONC1

Tgt Ion:163 Resp: 10691
Ion Ratio Lower Upper
163 100
194 3.5 2.5 3.7
164 10.6 8.1 12.1

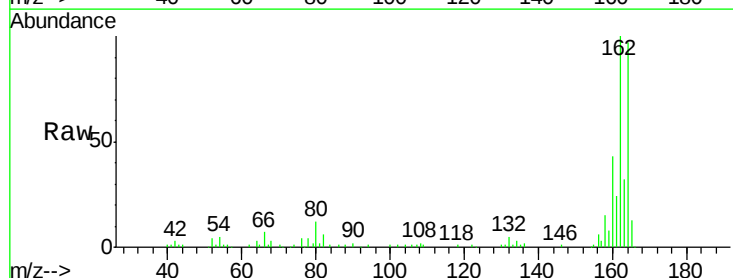


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

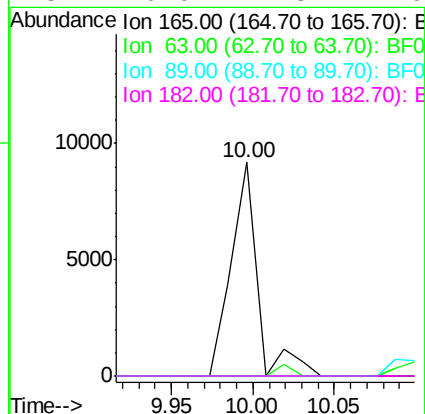
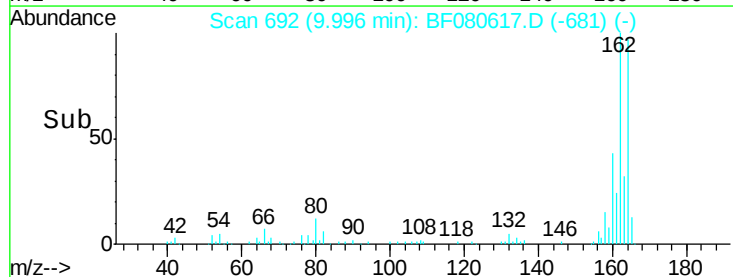


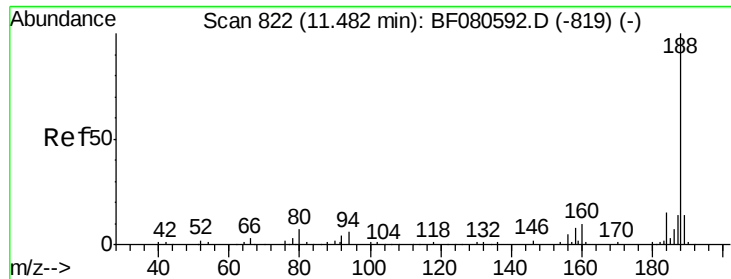
#56
2,4-Dinitrotoluene
Concen: 8.79 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.17 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Tgt Ion:165 Resp: 10178
Ion Ratio Lower Upper
165 100
63 0.0 48.1 72.1#
89 0.0 77.4 116.0#
182 0.0 1.3 1.9#



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

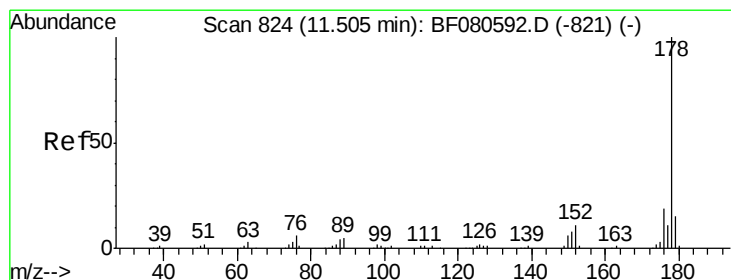
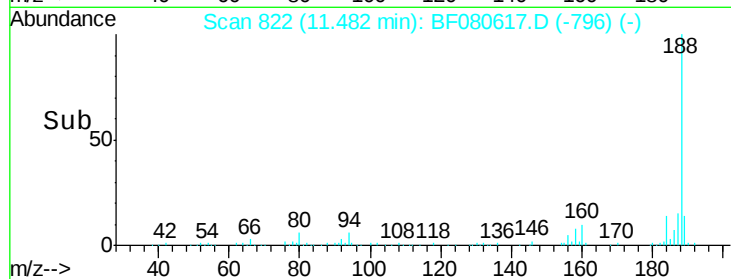
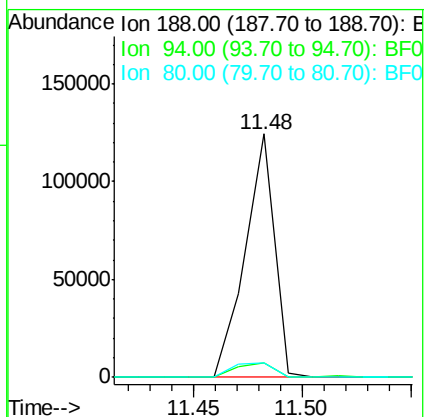
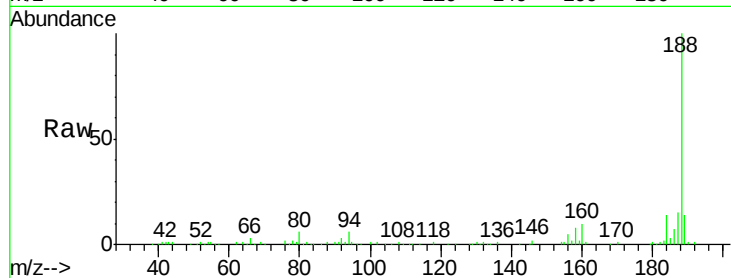




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

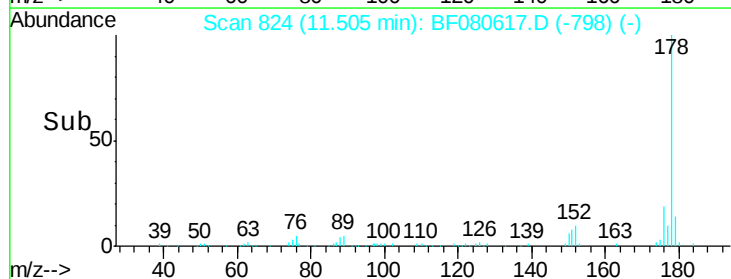
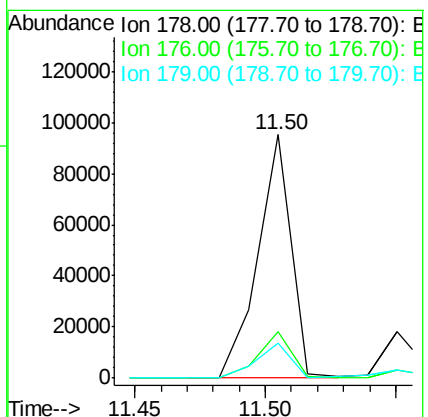
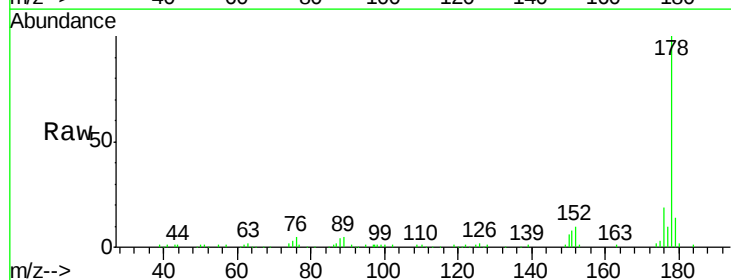
Instrument :
BNA_F
ClientSampleId :
CONC1

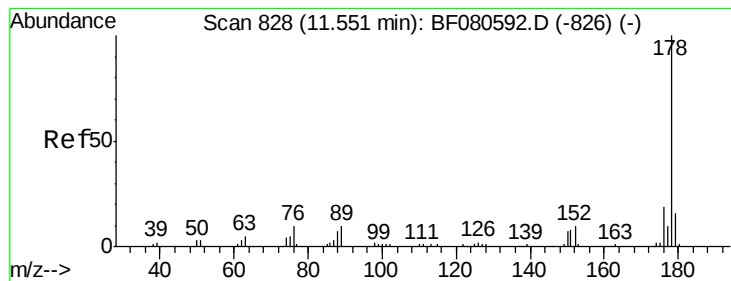
Tgt Ion:188 Resp: 116473
Ion Ratio Lower Upper
188 100
94 5.8 6.1 9.1#
80 5.9 7.0 10.6#



#70
Phenanthrene
Concen: 12.99 ng
RT: 11.50 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Tgt Ion:178 Resp: 85372
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 14.1 12.5 18.7





#71

Anthracene

Concen: 13.87 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.05 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

CONC1

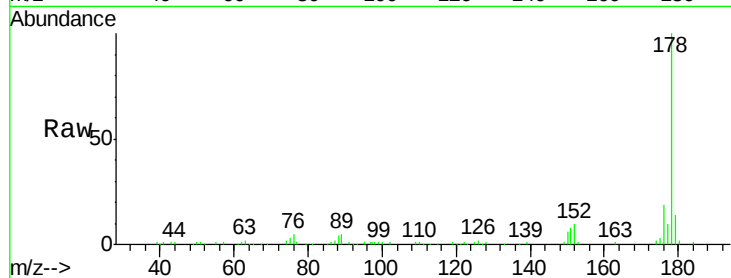
Tgt Ion:178 Resp: 85372

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

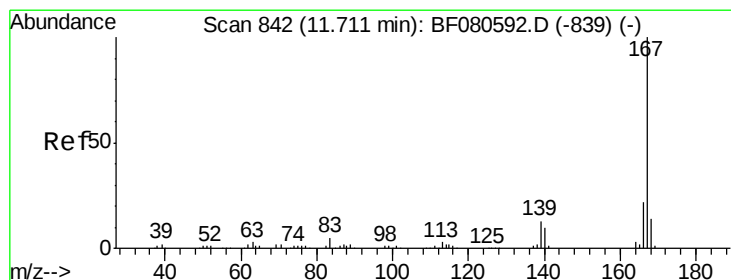
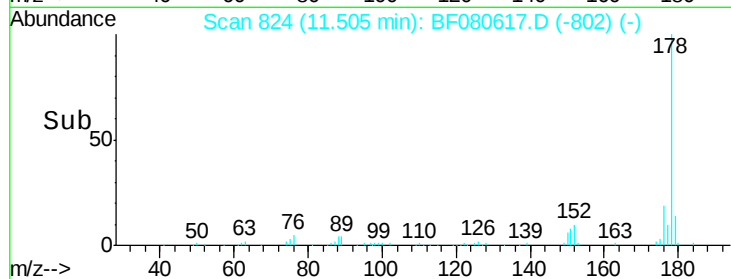
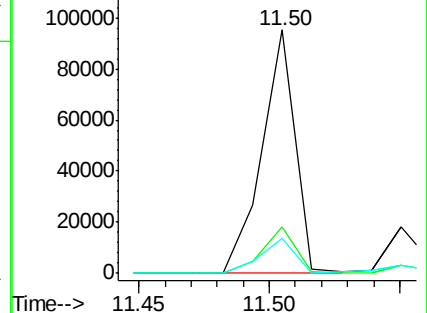
179 14.1 12.0 18.0



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



#72

Carbazole

Concen: 2.03 ng

RT: 11.71 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

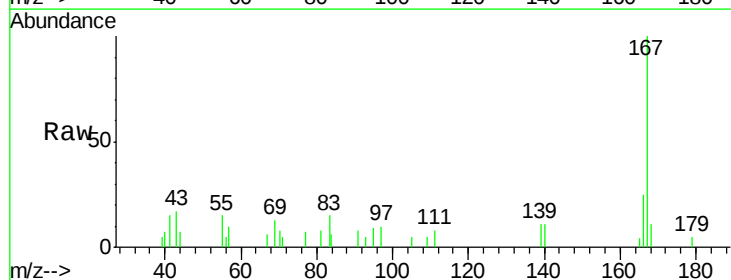
Tgt Ion:167 Resp: 10815

Ion Ratio Lower Upper

167 100

166 25.5 18.1 27.1

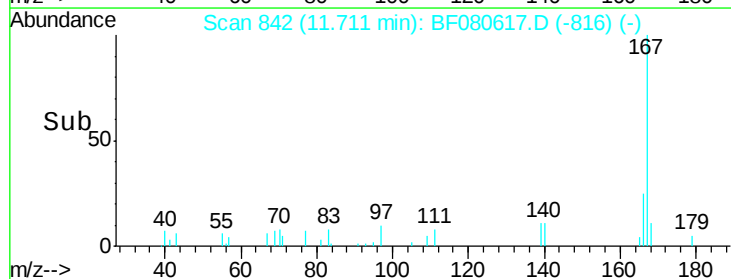
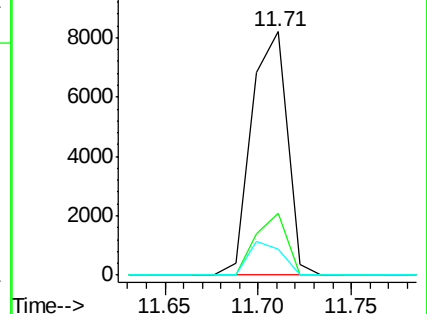
139 10.6 10.7 16.1#

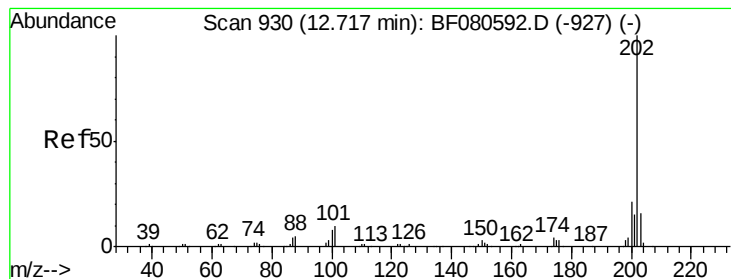


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 23.85 ng

RT: 12.69 min Scan# 928

Delta R.T. 0.00 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

CONC1

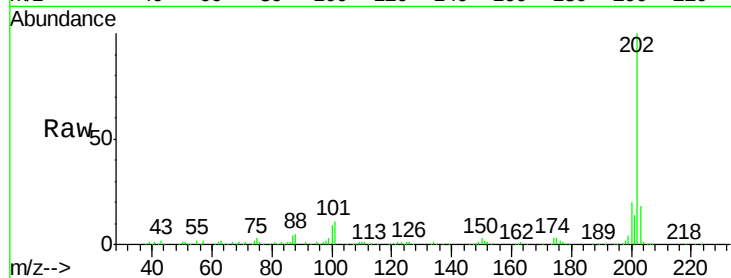
Tgt Ion: 202 Resp: 140335

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.1

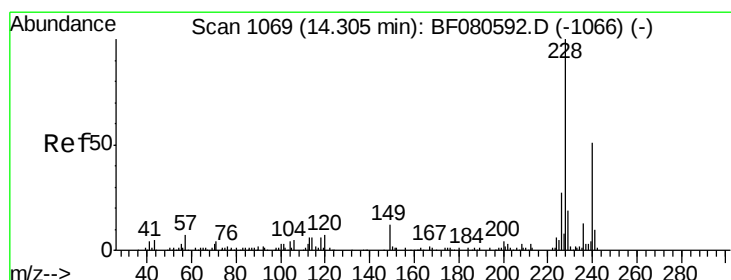
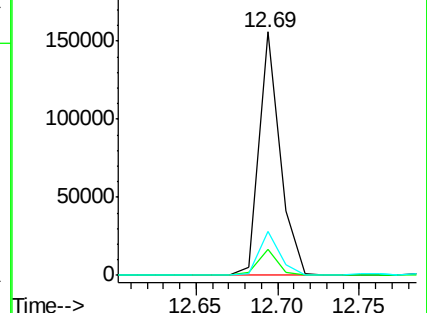
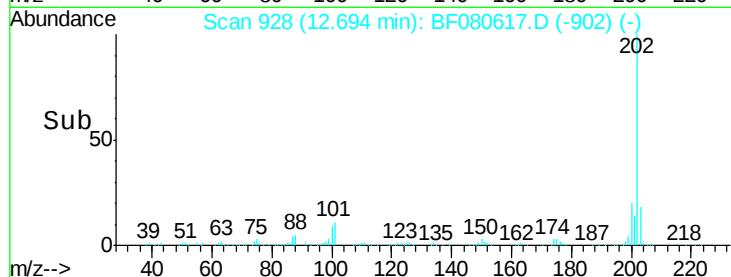
203 17.8 0.0 37.5



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: 14.20 min Scan# 1060

Delta R.T. 0.02 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

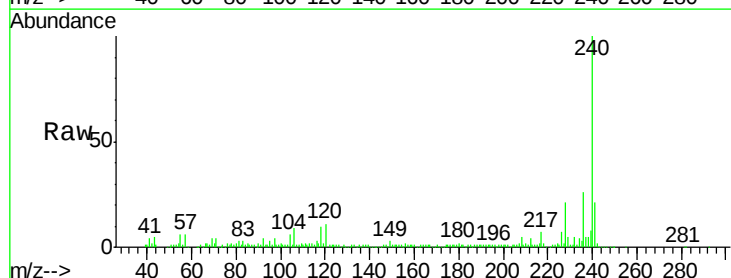
Tgt Ion: 240 Resp: 157622

Ion Ratio Lower Upper

240 100

120 11.2 9.9 14.9

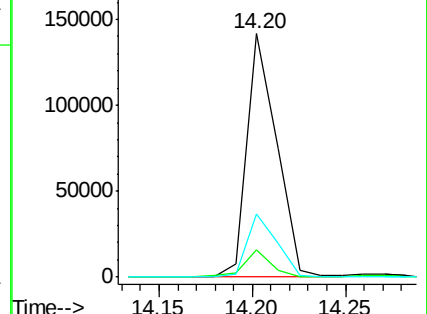
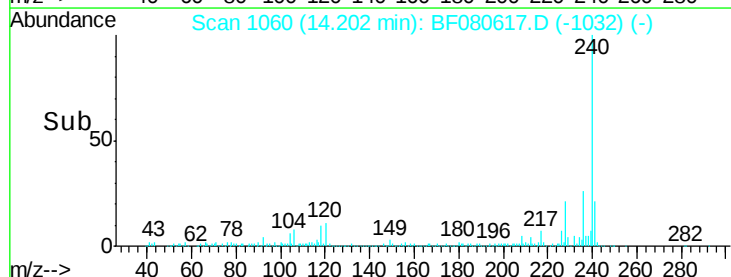
236 26.1 19.1 28.7

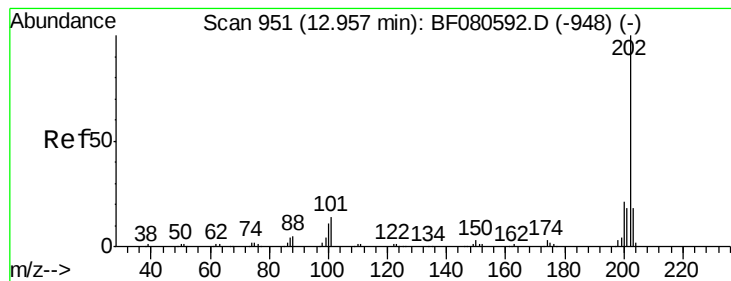


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.38 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

CONC1

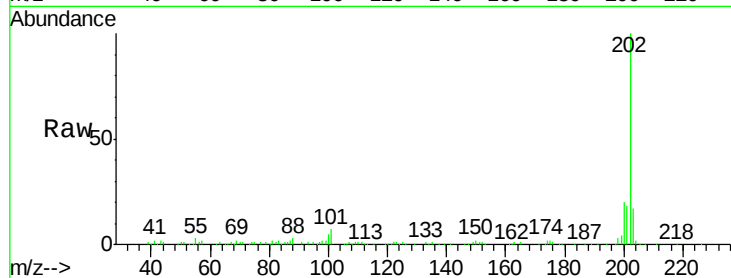
Tgt Ion:202 Resp: 120394

Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

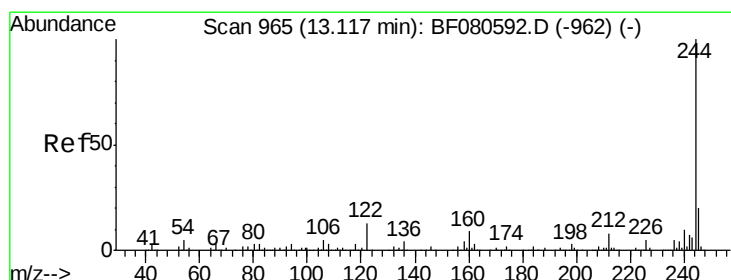
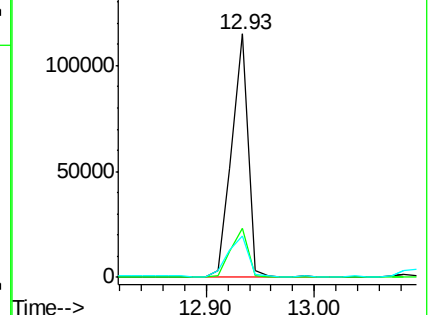
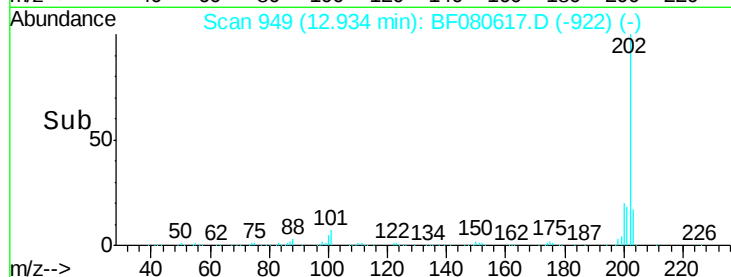
203 17.0 14.5 21.7



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: 8.39 ng

RT: 13.08 min Scan# 962

Delta R.T. 0.01 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

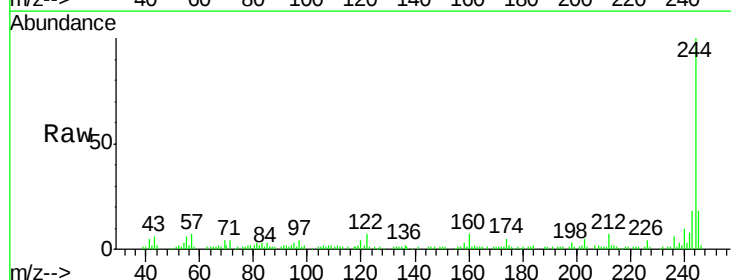
Tgt Ion:244 Resp: 63164

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

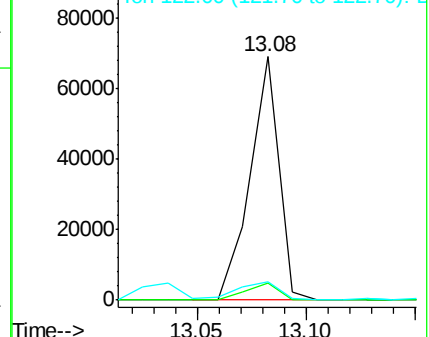
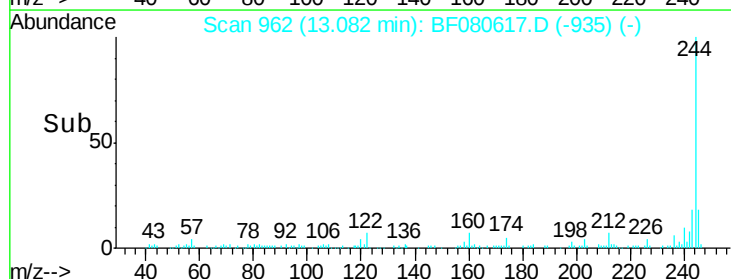
122 7.4 8.2 12.2#

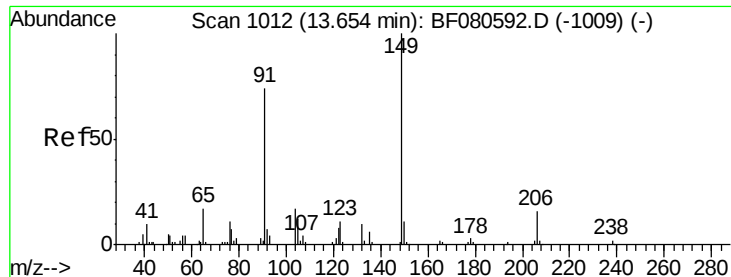


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

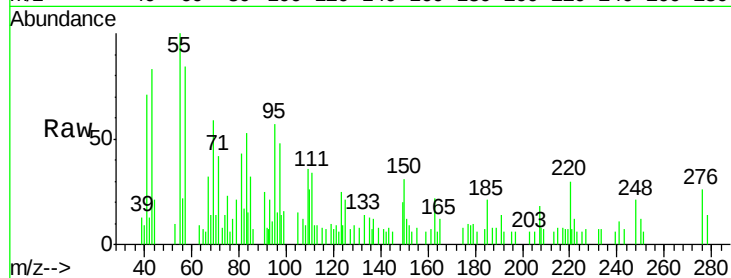




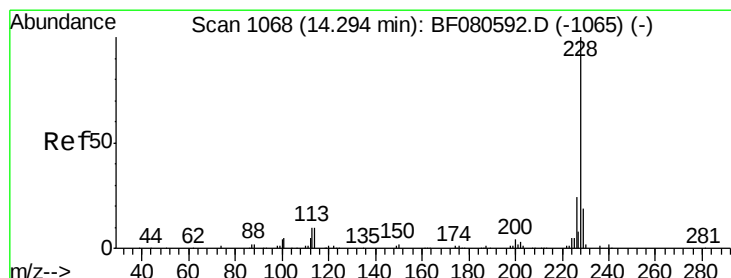
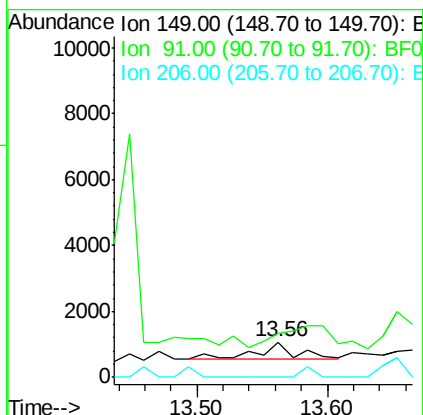
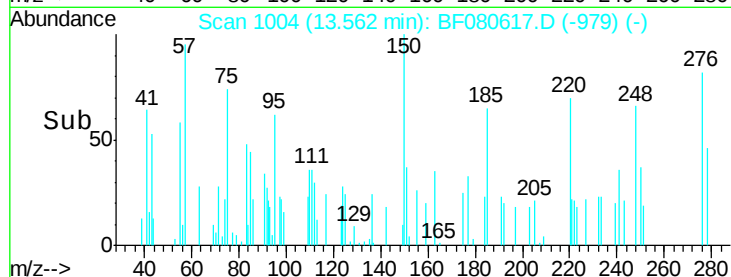
#79
Butylbenzylphthalate
Concen: 5.56 ng
RT: 13.56 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Instrument :
BNA_F
ClientSampleId :
CONC1

Tgt Ion:149 Resp: 1089
Ion Ratio Lower Upper
149 100
91 126.0 53.0 79.6#
206 0.0 15.0 22.6#

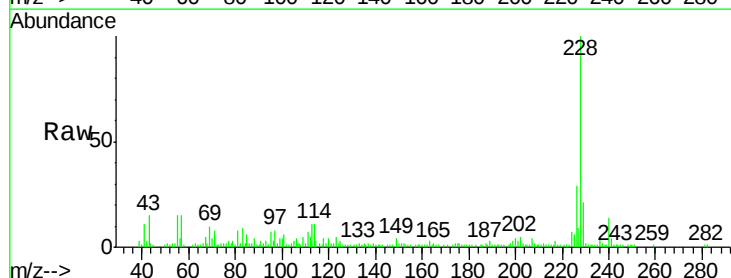


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

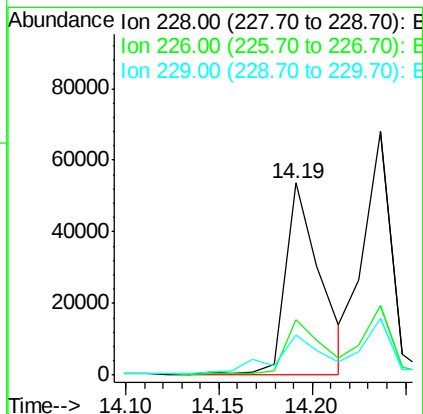
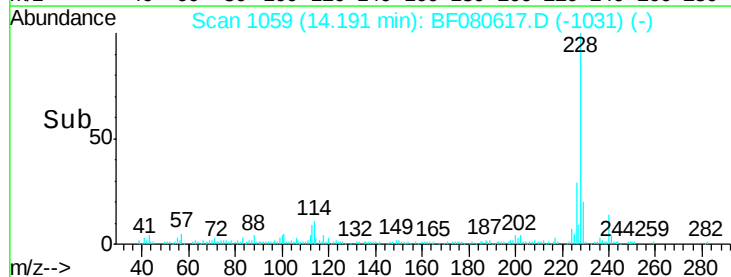


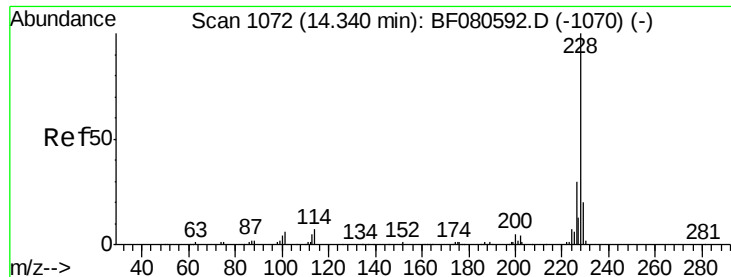
#80
Benzo(a)anthracene
Concen: 7.97 ng
RT: 14.19 min Scan# 1059
Delta R.T. 0.02 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Tgt Ion:228 Resp: 70825
Ion Ratio Lower Upper
228 100
226 28.8 22.0 33.0
229 20.9 15.7 23.5



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





#82

Chrysene

Concen: 8.01 ng

RT: 14.19 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

CONC1

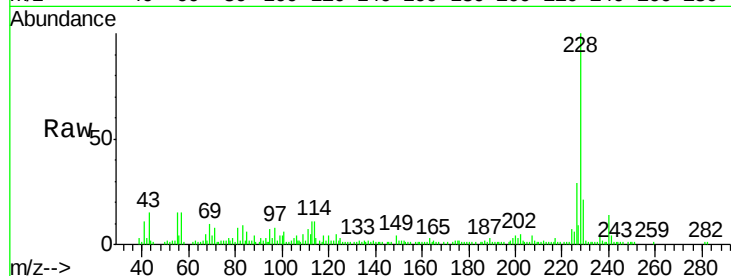
Tgt Ion:228 Resp: 70825

Ion Ratio Lower Upper

228 100

226 28.8 23.0 34.6

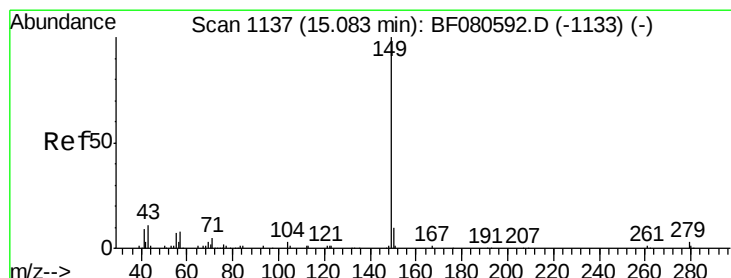
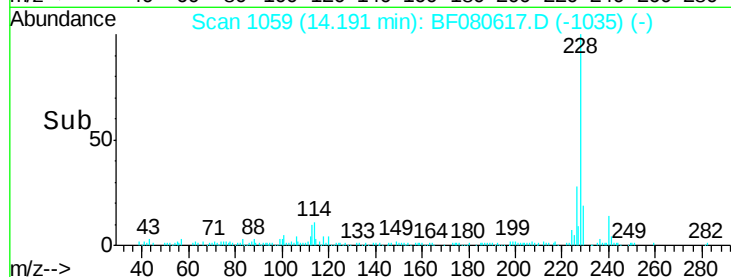
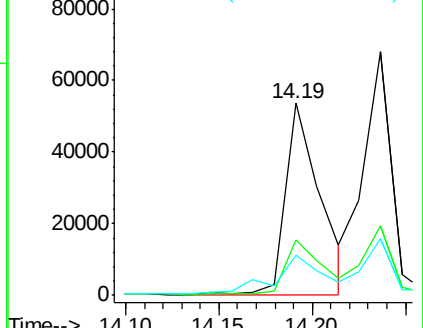
229 20.9 15.0 22.4



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



#84

Di-n-octyl phthalate

Concen: 6.78 ng

RT: 14.91 min Scan# 1122

Delta R.T. 0.05 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

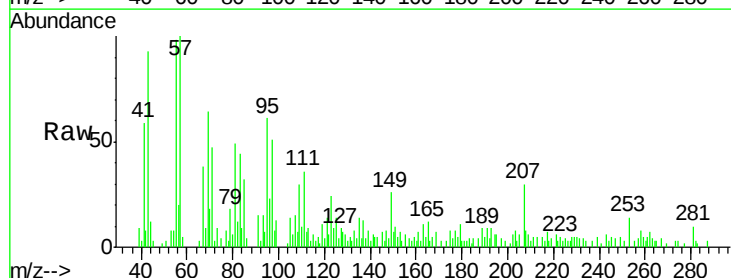
Tgt Ion:149 Resp: 7021

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

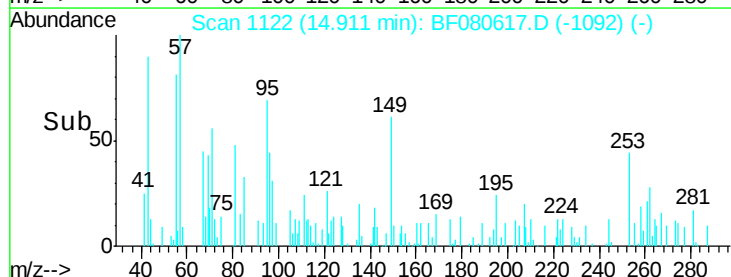
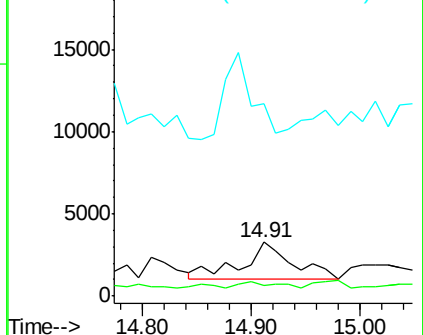
43 0.0 12.5 18.7#

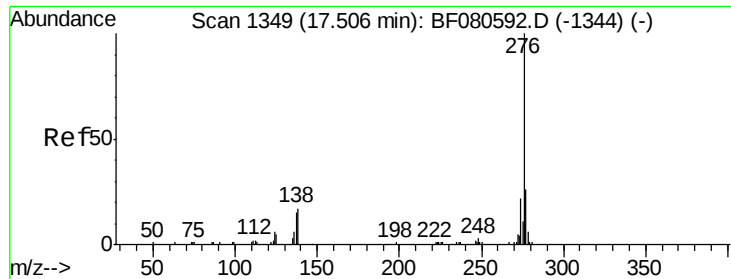


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

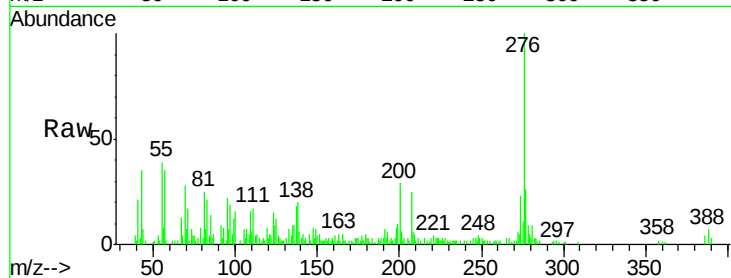




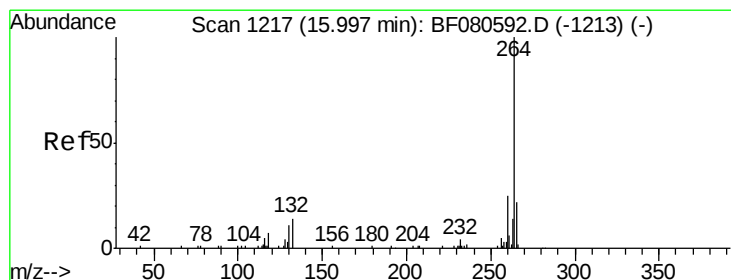
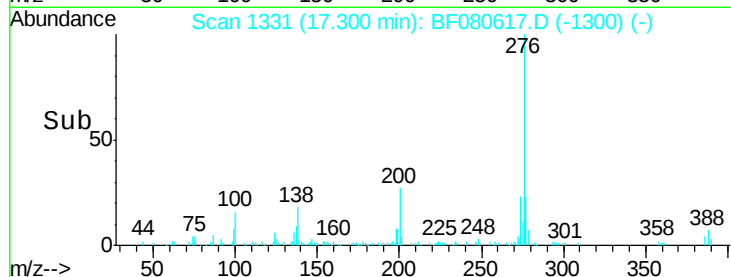
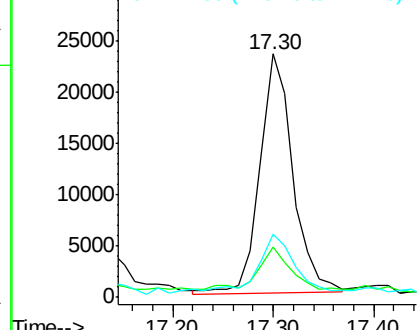
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.02 ng
 RT: 17.30 min Scan# 1331
 Delta R.T. 0.06 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Tgt Ion: 276 Resp: 53679
 Ion Ratio Lower Upper
 276 100
 138 18.4 18.9 28.3#
 277 27.8 19.9 29.9

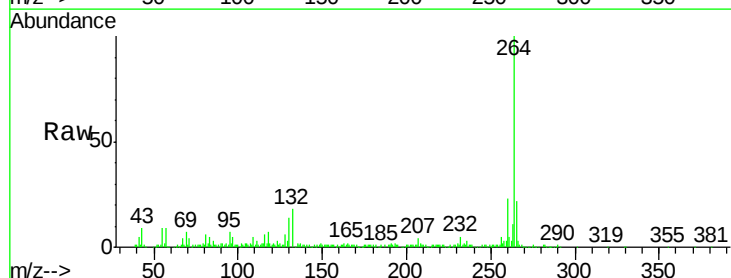


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

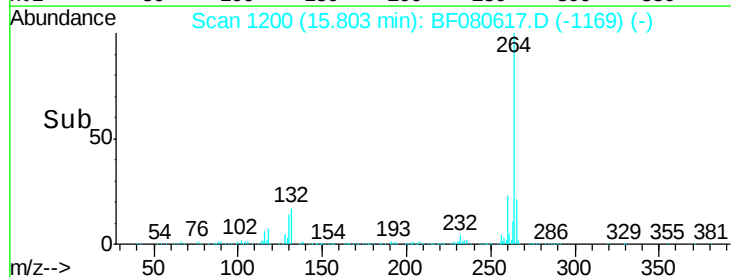
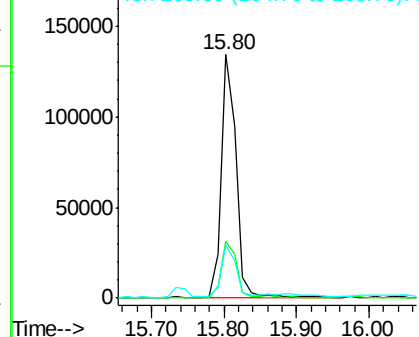


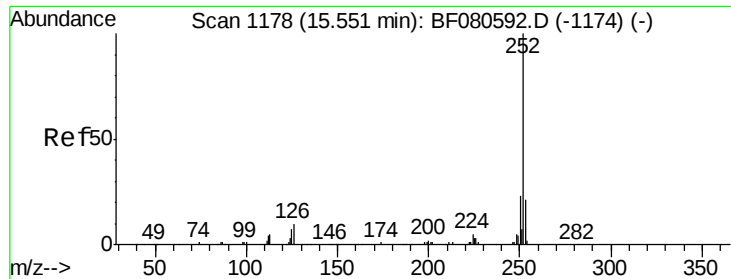
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.80 min Scan# 1200
 Delta R.T. 0.06 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Tgt Ion: 264 Resp: 192229
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.8 26.8
 265 21.8 15.6 23.4



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: 12.44 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.06 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

CONC1

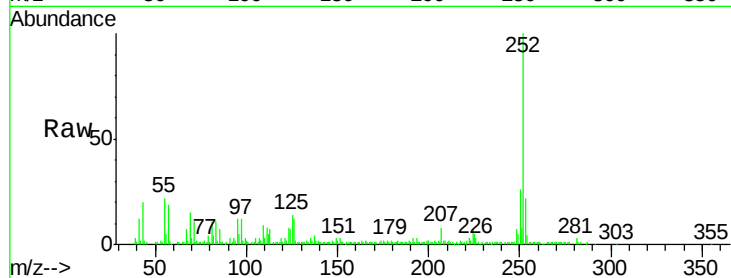
Tgt Ion:252 Resp: 145444

Ion Ratio Lower Upper

252 100

253 22.3 16.6 25.0

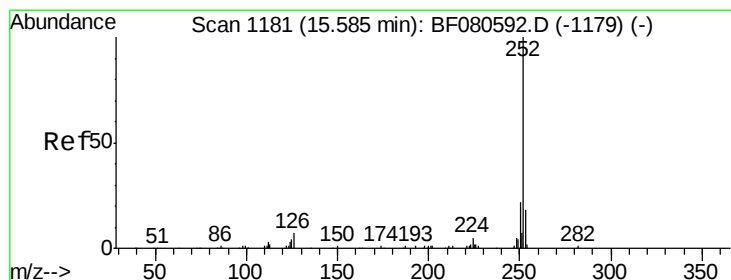
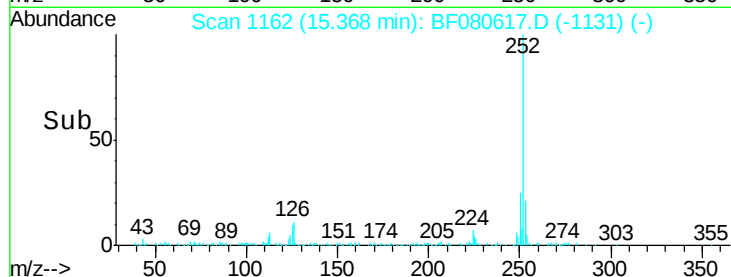
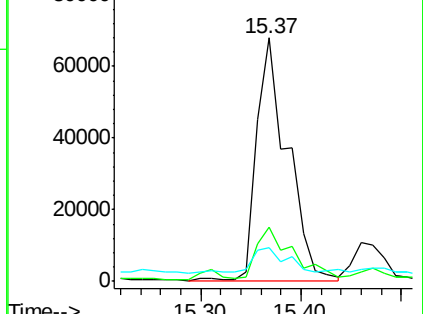
125 14.0 6.1 9.1#



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: 12.50 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.02 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

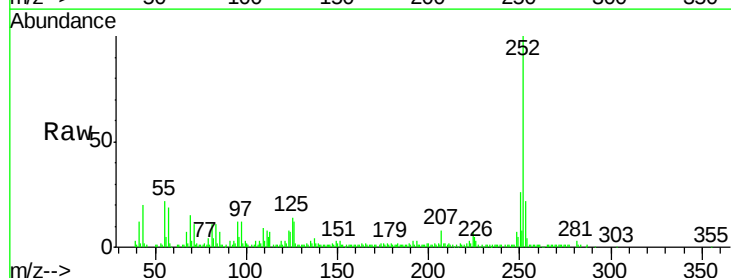
Tgt Ion:252 Resp: 145444

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

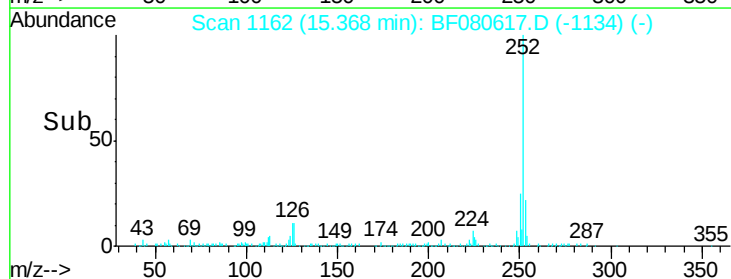
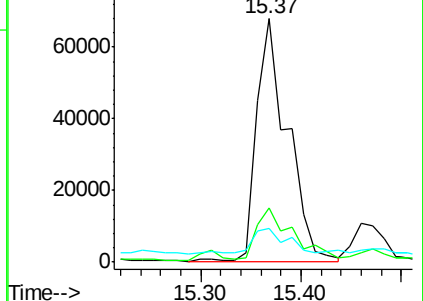
125 14.0 8.6 13.0#

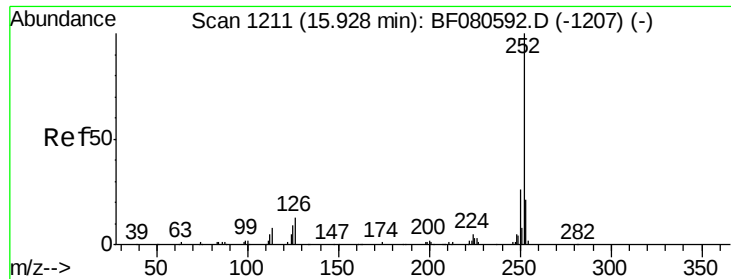


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.11 ng

RT: 15.75 min Scan# 1195

Delta R.T. 0.06 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

CONC1

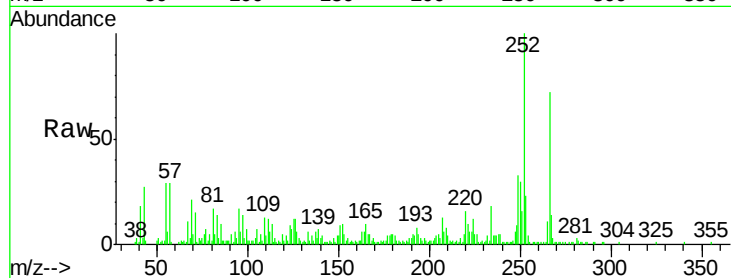
Tgt Ion:252 Resp: 73788

Ion Ratio Lower Upper

252 100

253 22.9 19.0 28.6

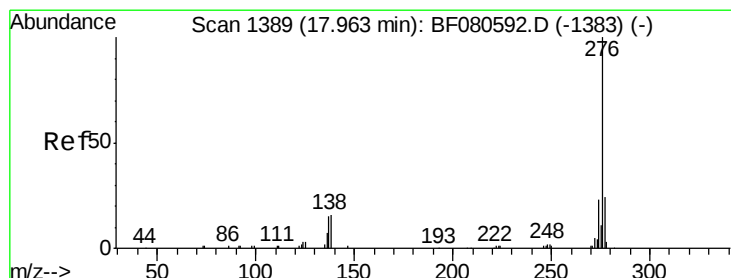
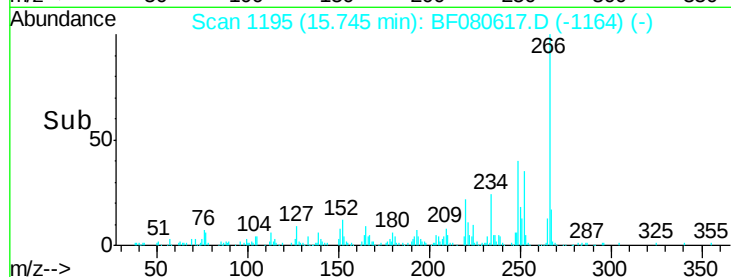
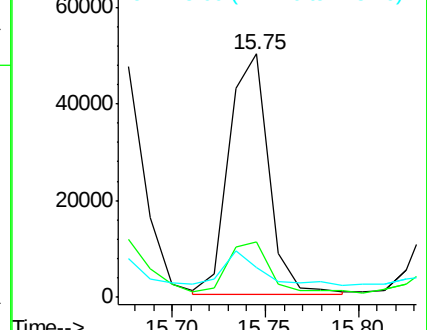
125 12.4 11.2 16.8



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



#91

Benzo(g,h,i)perylene

Concen: 5.80 ng

RT: 17.76 min Scan# 1371

Delta R.T. 0.08 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

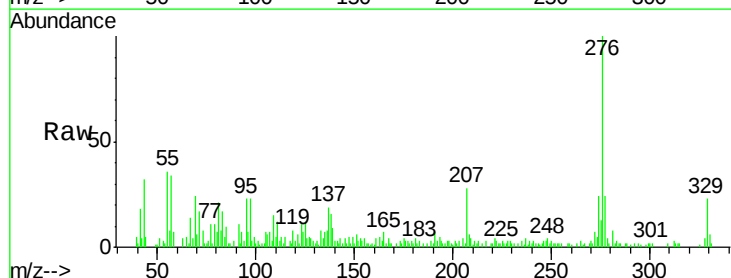
Tgt Ion:276 Resp: 58024

Ion Ratio Lower Upper

276 100

277 24.0 18.0 27.0

138 15.5 17.8 26.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

