

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
 Data File : BF088759.D
 Acq On : 7 Jul 2016 3:20
 Operator : UM/SJ
 Sample : H3880-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-05

Quant Time: Jul 07 06:40:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 01:24:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	88422	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	377980	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	170104	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	282620	20.00	ng	0.00
75) Chrysene-d12	13.89	240	187727	20.00	ng	0.00
86) Perylene-d12	15.27	264	189706	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	447169	75.79	ng	0.00
7) Phenol-d6	6.39	99	635962	83.42	ng	0.00
23) Nitrobenzene-d5	7.31	82	393711	54.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	118255	74.86	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	532461	49.44	ng	-0.01
78) Terphenyl-d14	12.84	244	431438	51.19	ng	0.00

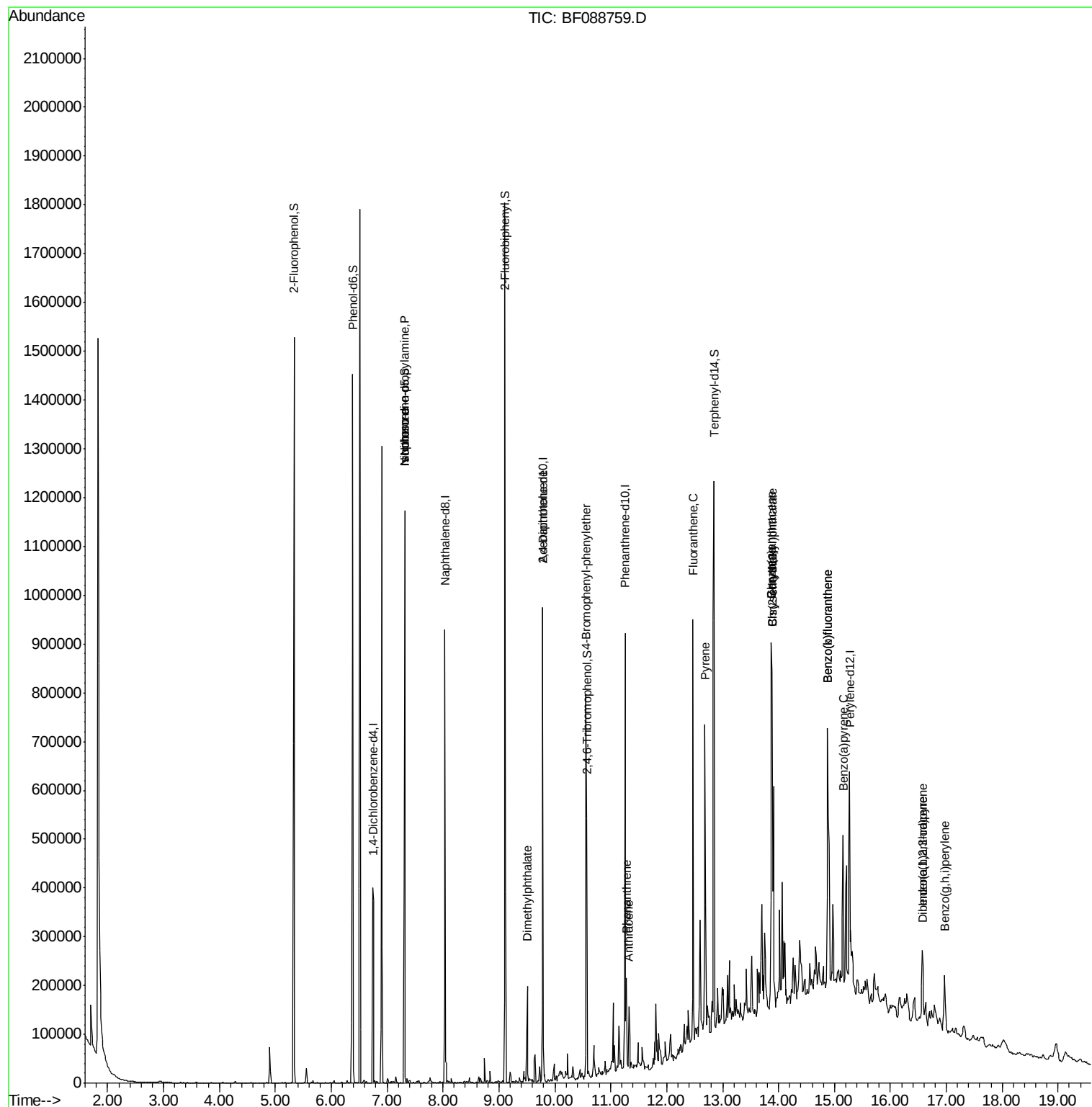
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	53395	10.43	ng	# 71
25) Isophorone	7.31	82	289836	21.69	ng	# 65
49) Dimethylphthalate	9.51	163	89897	7.42	ng	98
56) 2,4-Dinitrotoluene	9.78	165	22488	6.40	ng	# 38
66) 4-Bromophenyl-phenylether	10.56	248	7549	2.65	ng	# 1
70) Phenanthrene	11.28	178	60767	3.93	ng	99
71) Anthracene	11.32	178	53410	3.48	ng	99
74) Fluoranthene	12.47	202	283413	18.10	ng	99
77) Pyrene	12.68	202	270805	17.01	ng	99
80) Benzo(a)anthracene	13.87	228	194042	16.05	ng	96
82) Chrysene	13.87	228	194042	16.22	ng	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	27269	3.36	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.57	276	89058	9.68	ng	# 100
87) Benzo(b)fluoranthene	14.88	252	342687	28.80	ng	# 96
88) Benzo(k)fluoranthene	14.88	252	342687	33.08	ng	99
89) Benzo(a)pyrene	15.15	252	122032	12.11	ng	99
90) Dibenzo(a,h)anthracene	16.58	278	21396	2.54	ng	# 88
91) Benzo(g,h,i)perylene	16.97	276	85275	9.79	ng	95

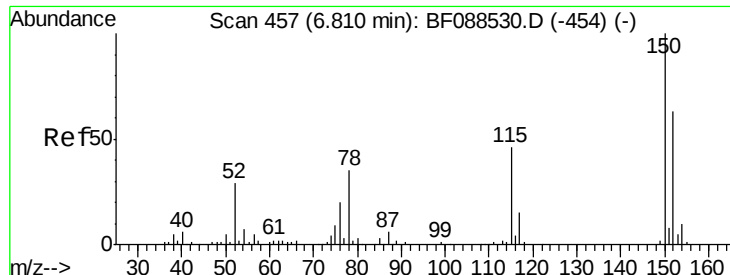
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
Data File : BF088759.D
Acq On : 7 Jul 2016 3:20
Operator : UM/SJ
Sample : H3880-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C2.2-05

Quant Time: Jul 07 06:40:21 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 01:24:07 2016
Response via : Initial Calibration

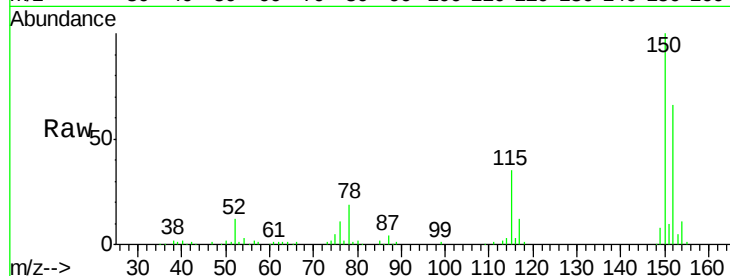




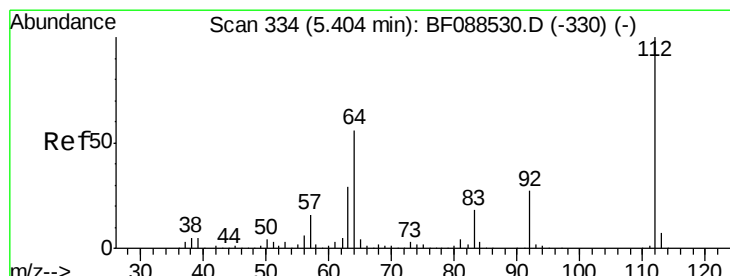
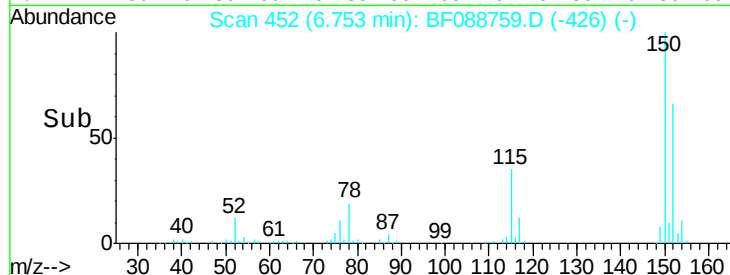
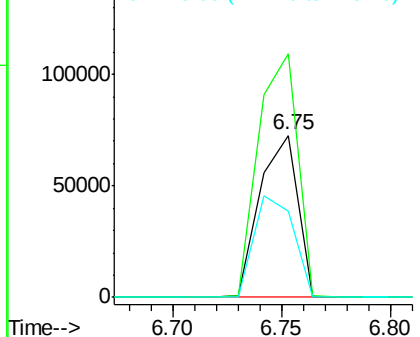
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Instrument :
 BNA_F
 ClientSampled :
 C2.2-05

Tgt Ion:152 Resp: 88422
 Ion Ratio Lower Upper
 152 100
 150 150.5 123.8 185.6
 115 53.1 39.6 59.4

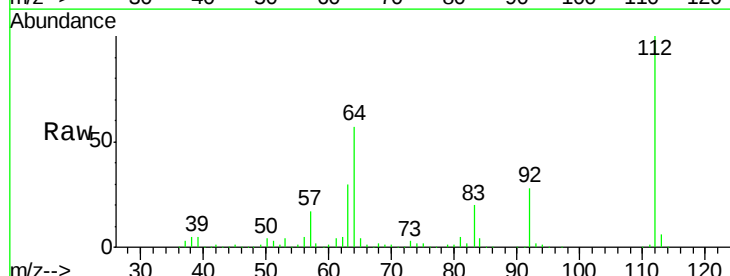


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

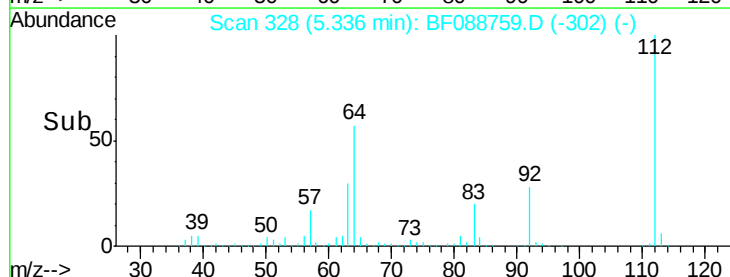
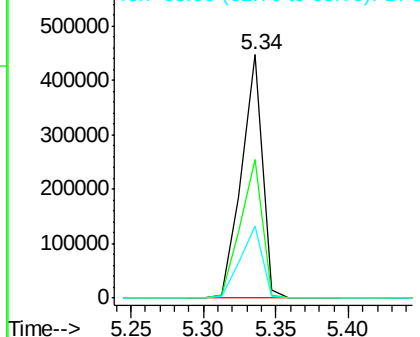


#5
 2-Fluorophenol
 Concen: 75.79 ng
 RT: 5.34 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Tgt Ion:112 Resp: 447169
 Ion Ratio Lower Upper
 112 100
 64 56.7 42.2 63.2
 63 29.7 21.8 32.8



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: 83.42 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

C2.2-05

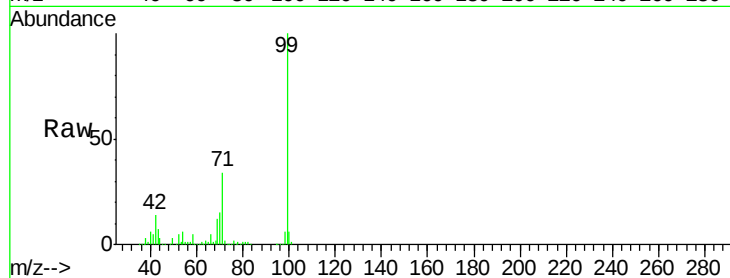
Tgt Ion: 99 Resp: 635962

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

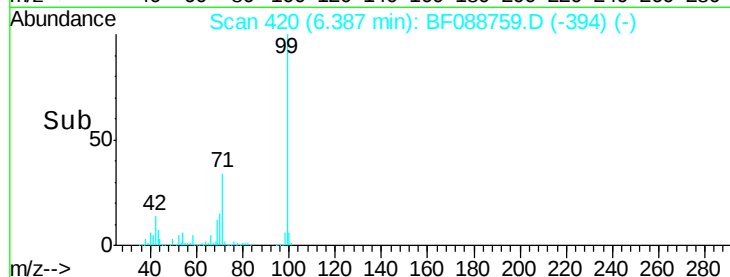
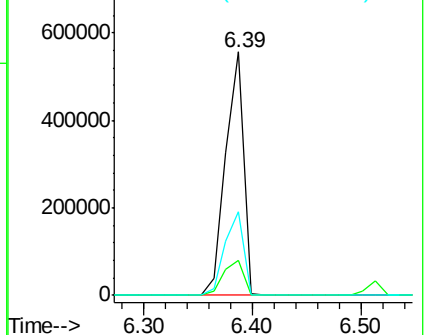
71 34.4 23.4 35.0



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: 10.43 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.14 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Tgt Ion: 70 Resp: 53395

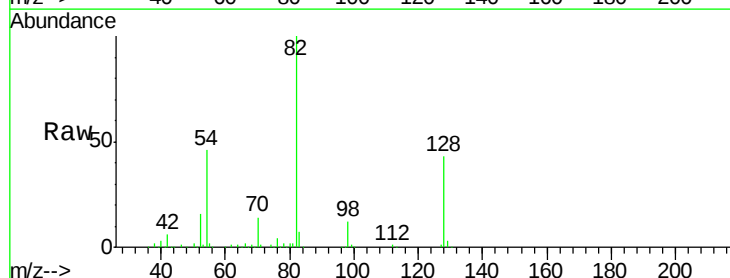
Ion Ratio Lower Upper

70 100

42 41.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

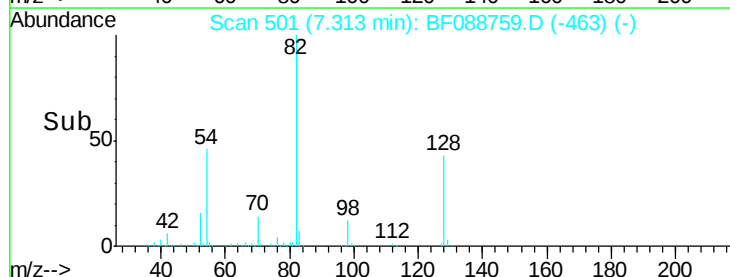
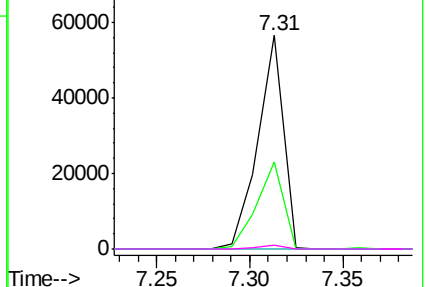


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.03 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

C2.2-05

Tgt Ion:136 Resp: 377980

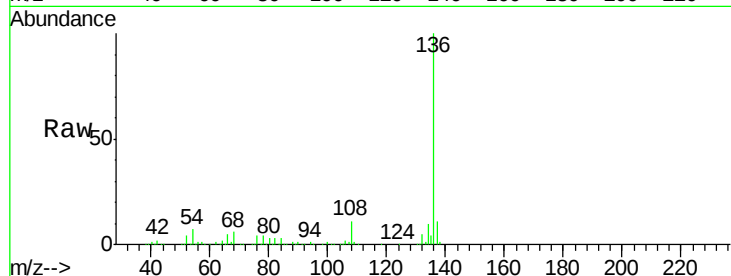
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.8 6.6 10.0

68 5.8 5.1 7.7

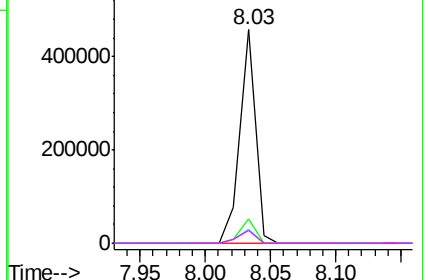
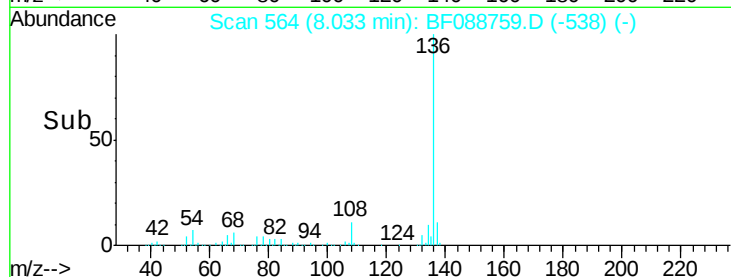


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.59 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

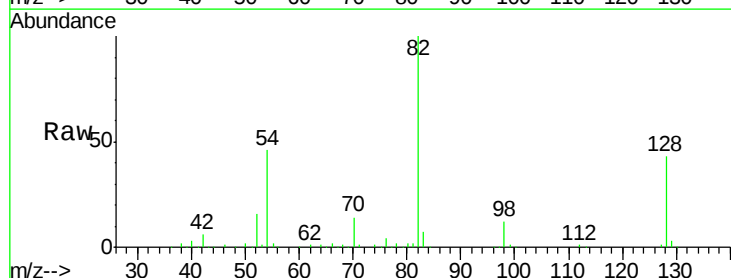
Tgt Ion: 82 Resp: 393711

Ion Ratio Lower Upper

82 100

128 42.7 35.9 53.9

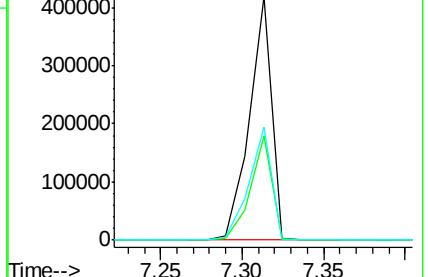
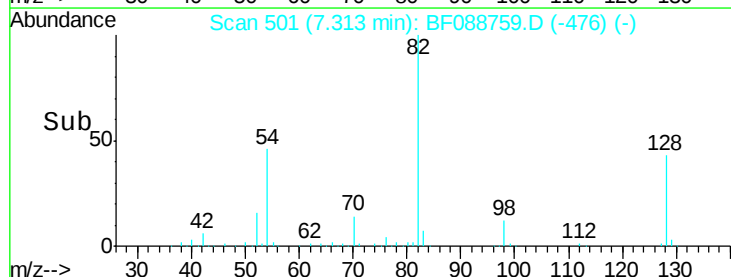
54 46.3 40.9 61.3

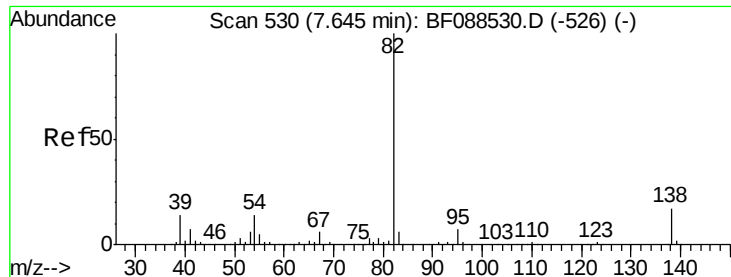


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 21.69 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.26 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampled :

C2.2-05

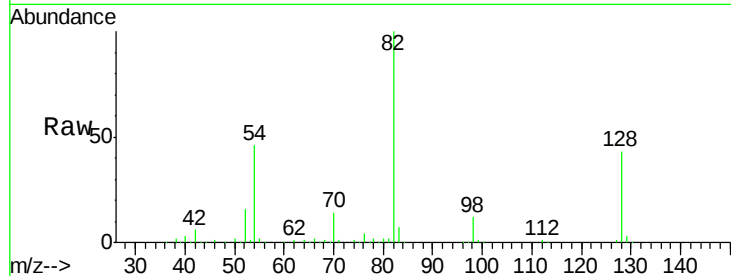
Tgt Ion: 82 Resp: 289836

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

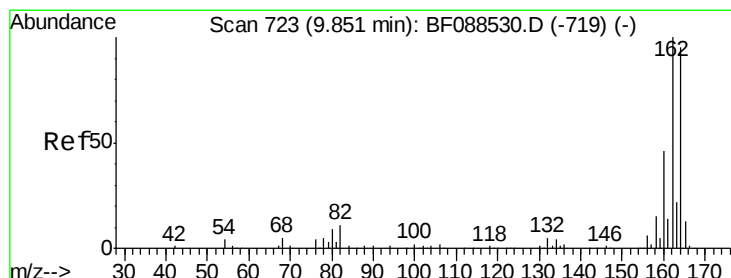
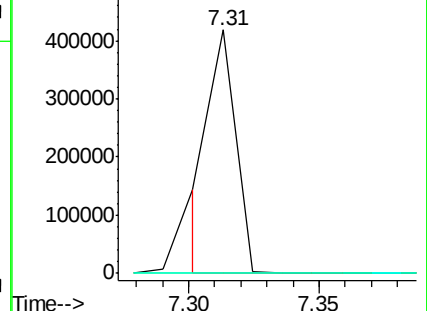
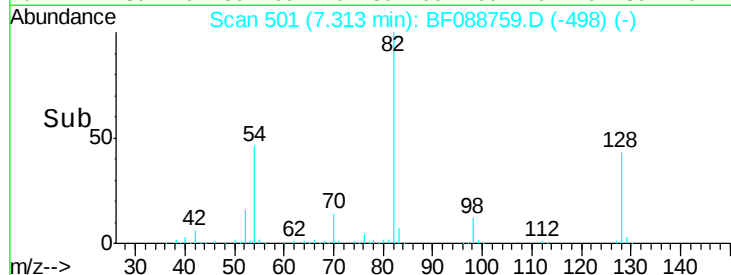
138 0.0 14.6 21.8#



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: 9.78 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

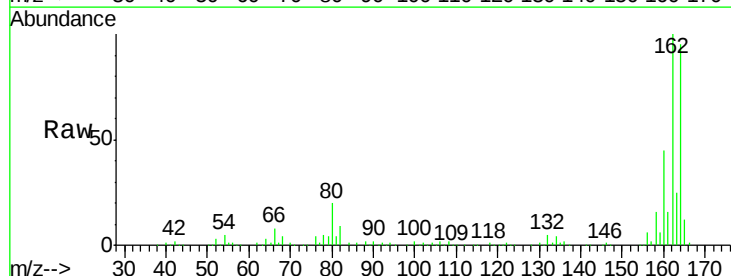
Tgt Ion: 164 Resp: 170104

Ion Ratio Lower Upper

164 100

162 105.1 85.4 128.2

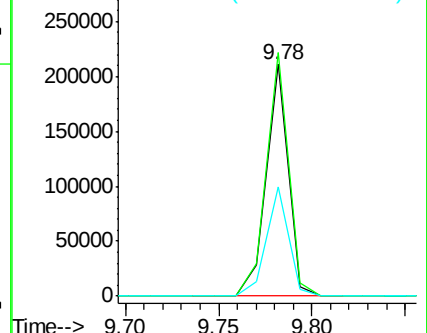
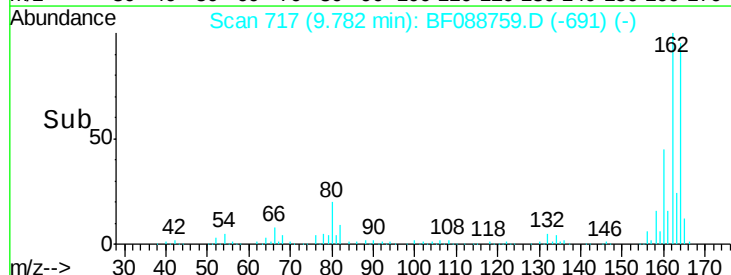
160 47.1 39.5 59.3



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

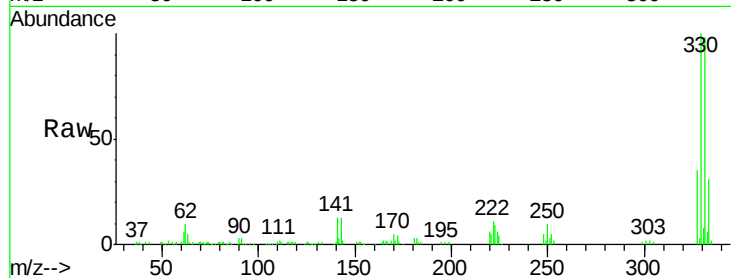




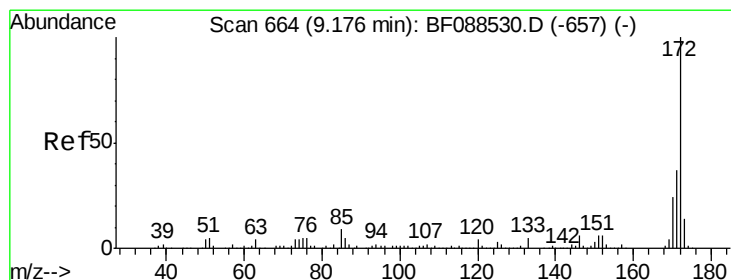
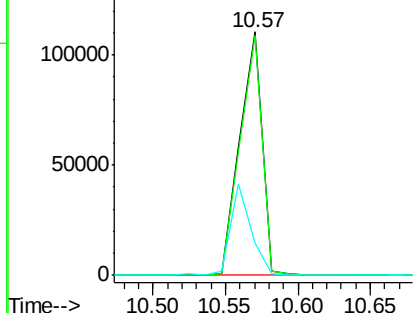
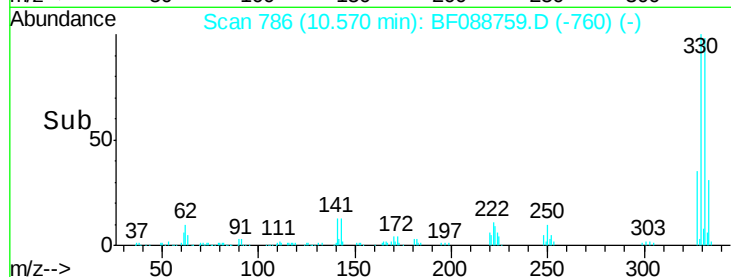
#41
 2,4,6-Tribromophenol
 Concen: 74.86 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-05

Tgt Ion: 330 Resp: 118255
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 35.3 0.0 0.0#

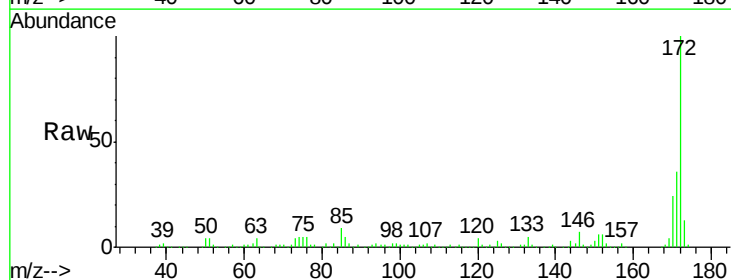


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

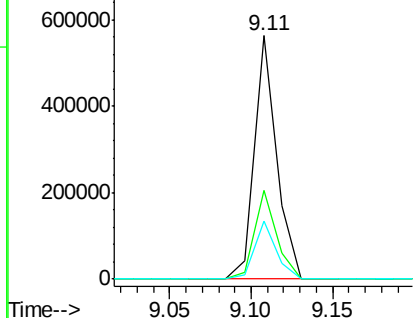
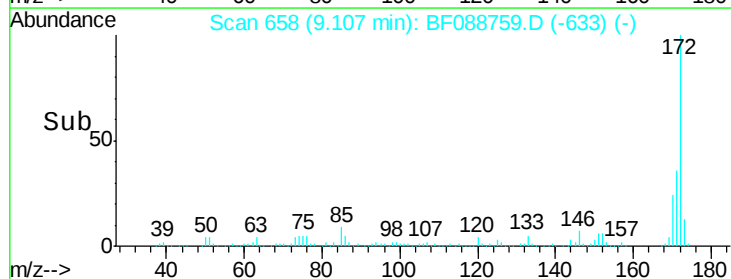


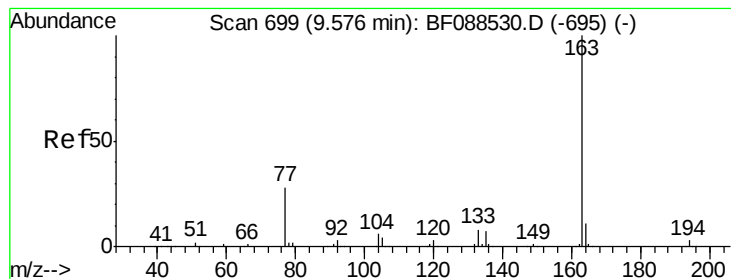
#44
 2-Fluorobiphenyl
 Concen: 49.44 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Tgt Ion: 172 Resp: 532461
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 23.8 19.2 28.8



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: 7.42 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampled :

C2.2-05

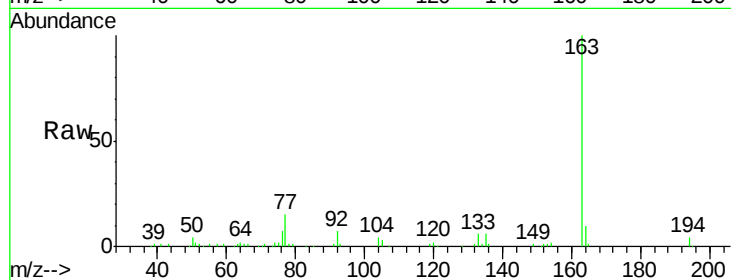
Tgt Ion:163 Resp: 89897

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

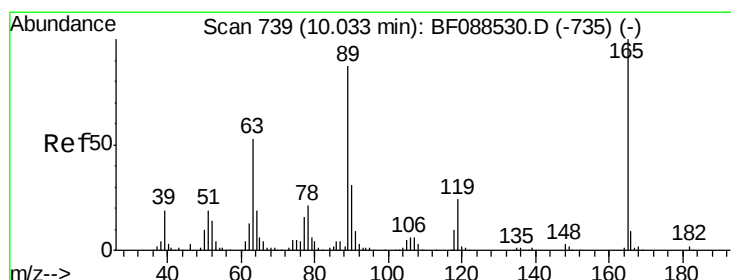
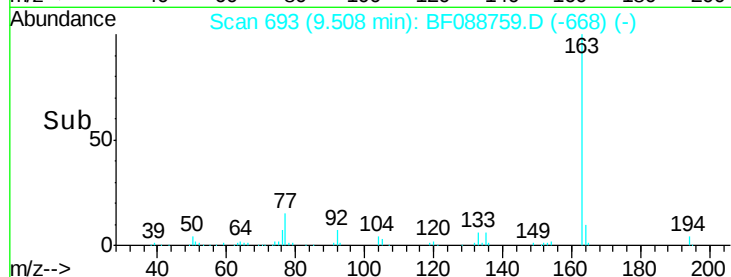
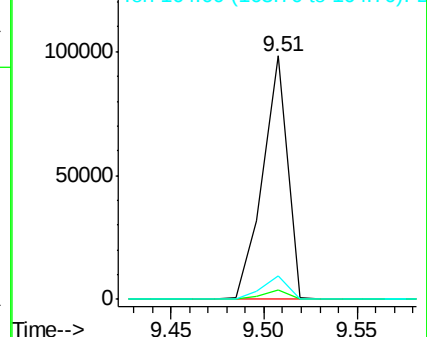
164 9.6 8.3 12.5



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: 6.40 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.19 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Tgt Ion:165 Resp: 22488

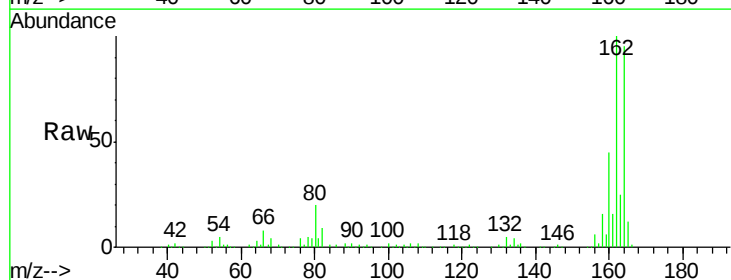
Ion Ratio Lower Upper

165 100

63 1.8 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

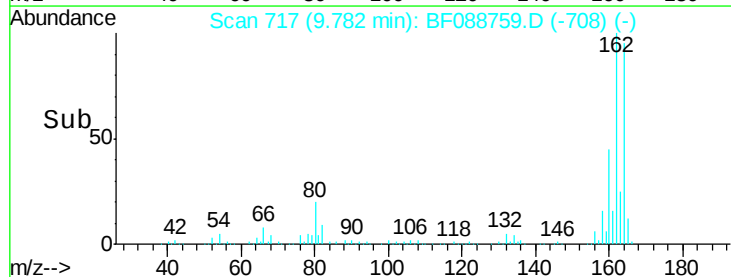
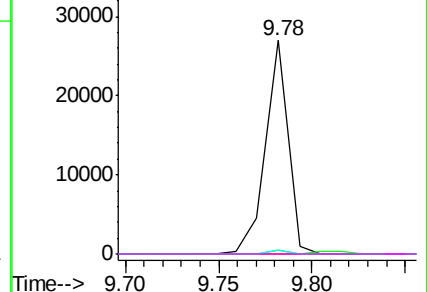


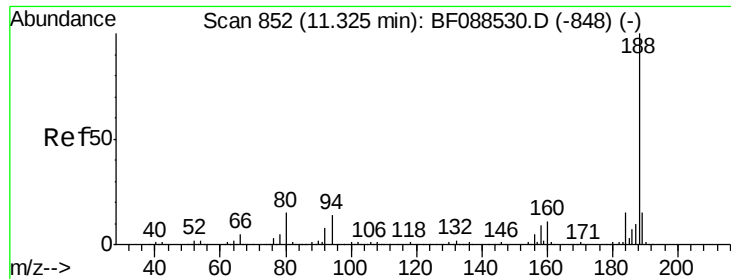
Abundance Ion 165.00 (164.70 to 165.70): E

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

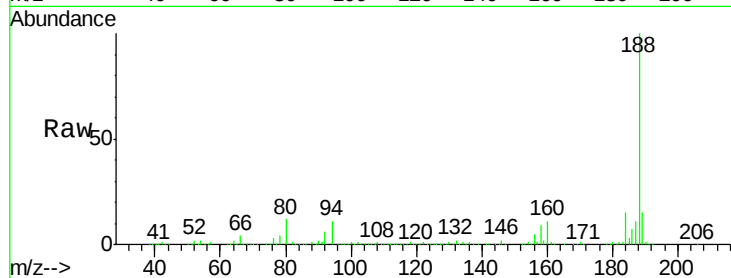




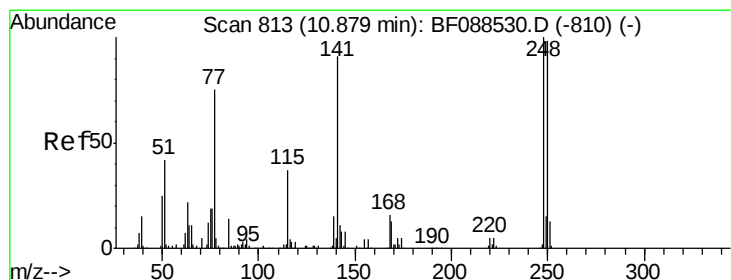
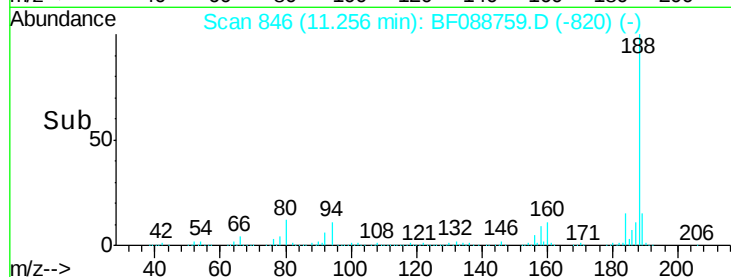
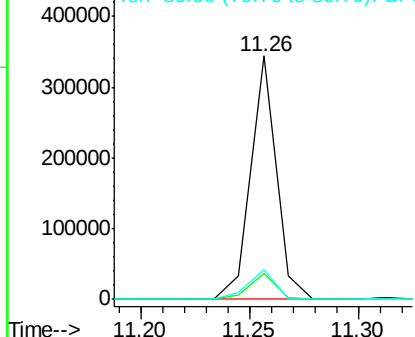
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Instrument :
BNA_F
ClientSampleId :
C2.2-05

Tgt Ion:188 Resp: 282620
Ion Ratio Lower Upper
188 100
94 10.6 9.0 13.6
80 12.2 10.0 15.0

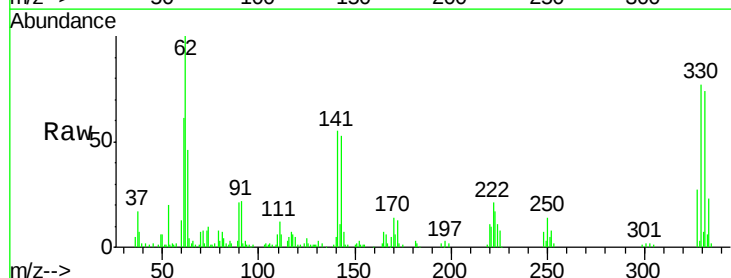


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

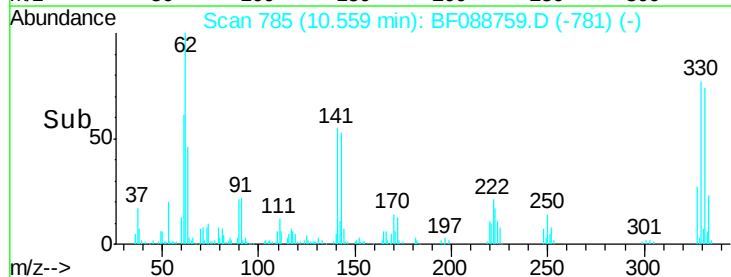
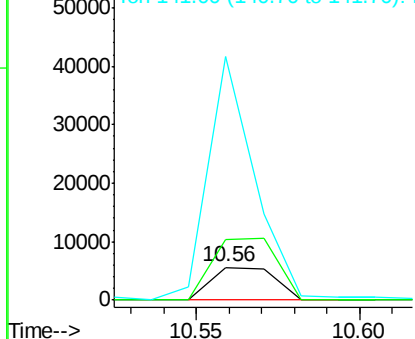


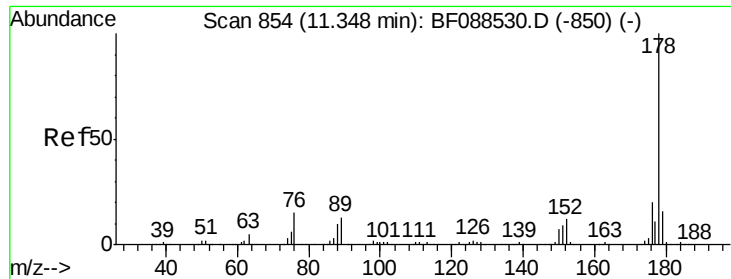
#66
4-Bromophenyl-phenylether
Concen: 2.65 ng
RT: 10.56 min Scan# 785
Delta R.T. -0.25 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Tgt Ion:248 Resp: 7549
Ion Ratio Lower Upper
248 100
250 186.6 77.1 115.7#
141 746.4 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

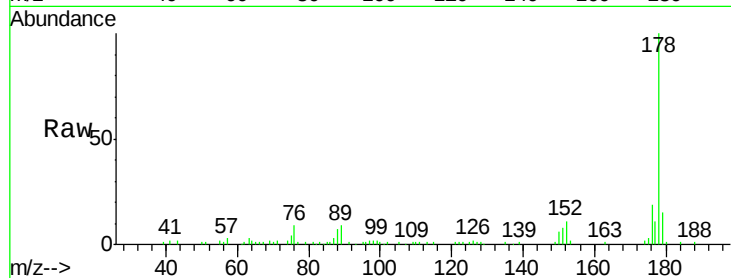




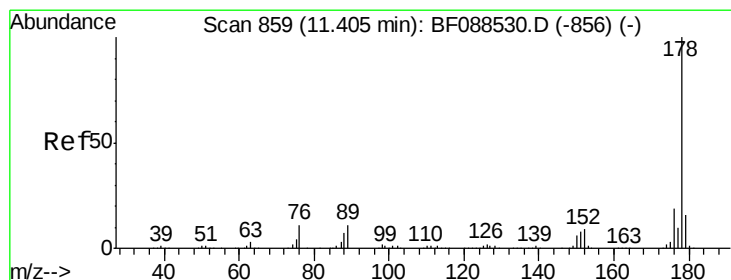
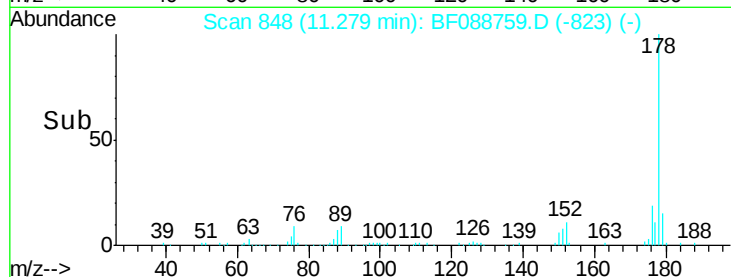
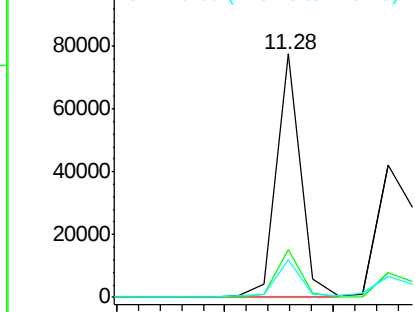
#70
 Phenanthrene
 Concen: 3.93 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-05

Tgt Ion:178 Resp: 60767
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.6
 179 15.3 13.0 19.4

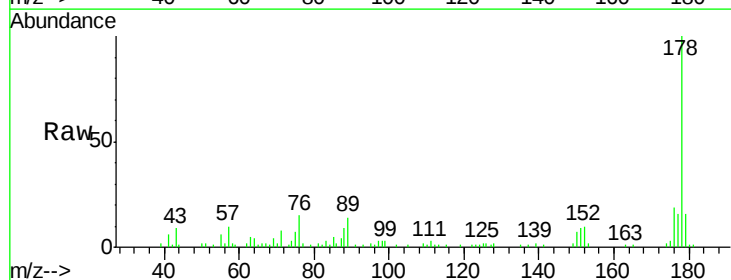


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

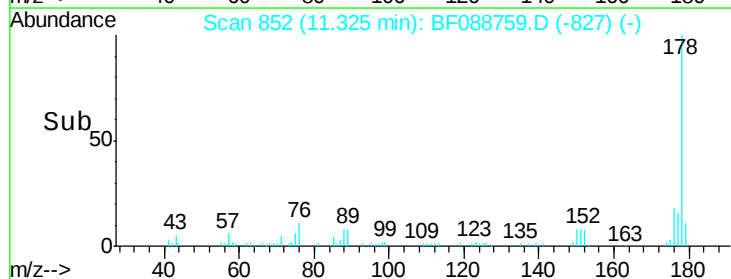
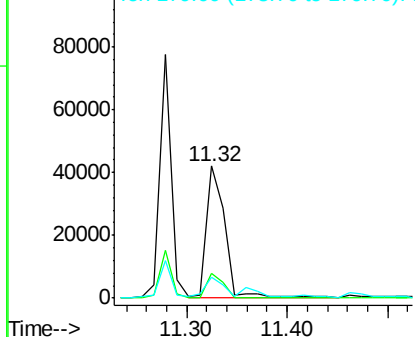


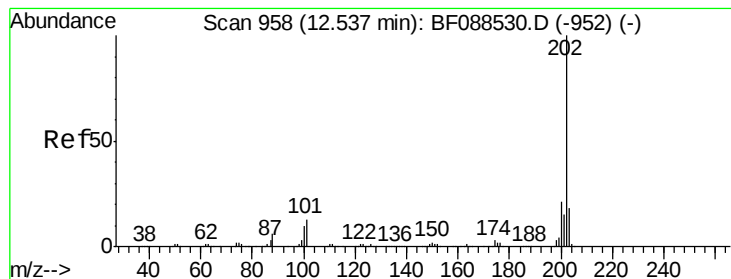
#71
 Anthracene
 Concen: 3.48 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF088759.D
 Acq: 7 Jul 2016 3:20

Tgt Ion:178 Resp: 53410
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.6 23.4
 179 16.0 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.10 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

C2.2-05

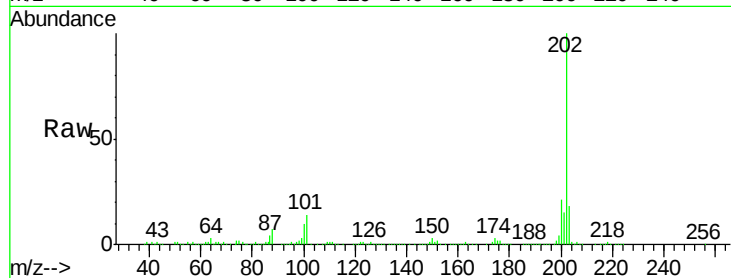
Tgt Ion:202 Resp: 283413

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.1

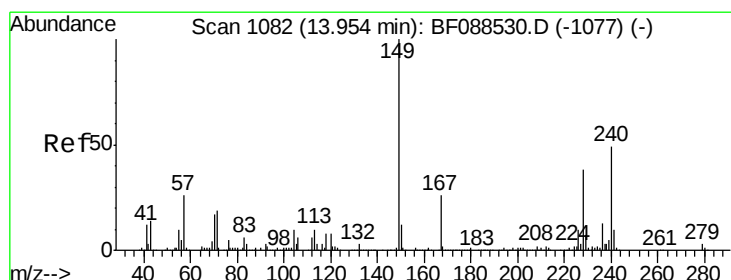
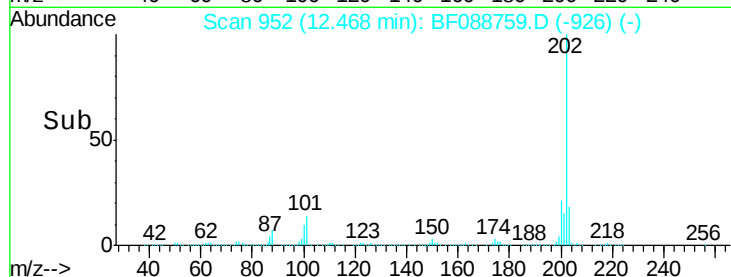
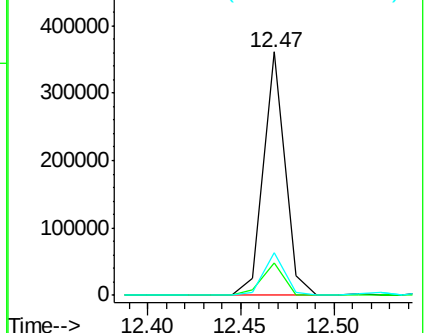
203 17.7 0.0 38.1



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: 13.89 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

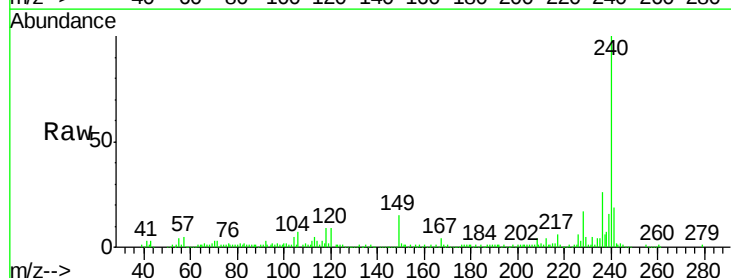
Tgt Ion:240 Resp: 187727

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

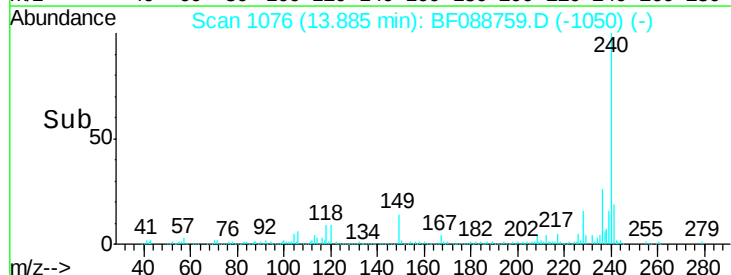
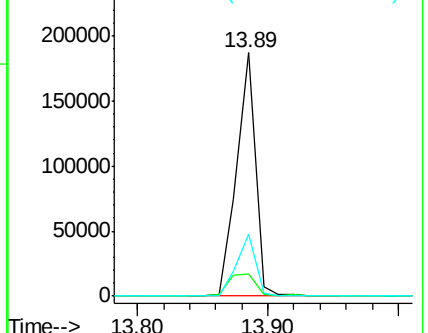
236 25.6 20.2 30.2

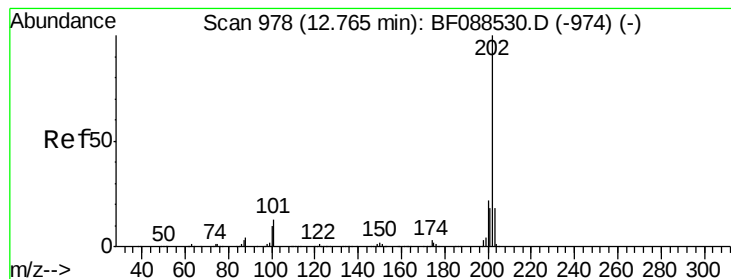


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 17.01 ng

RT: 12.68 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

C2.2-05

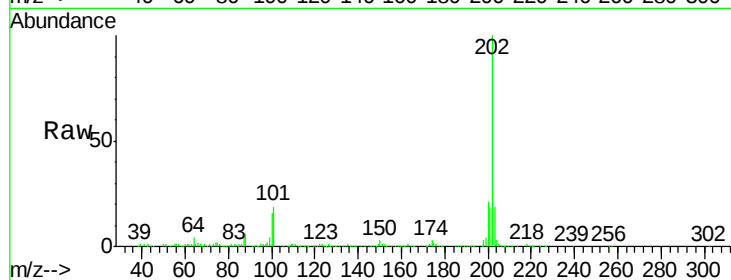
Tgt Ion:202 Resp: 270805

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

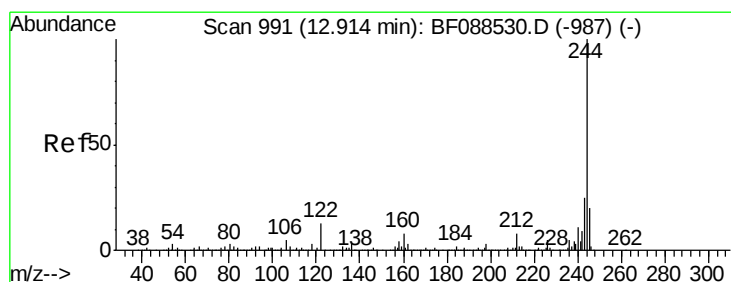
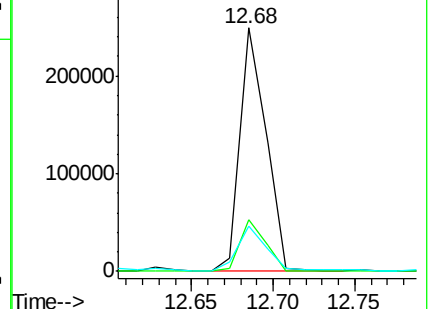
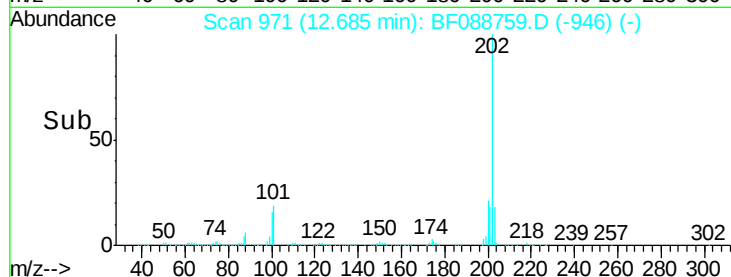
203 18.6 14.5 21.7



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: 51.19 ng

RT: 12.84 min Scan# 985

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

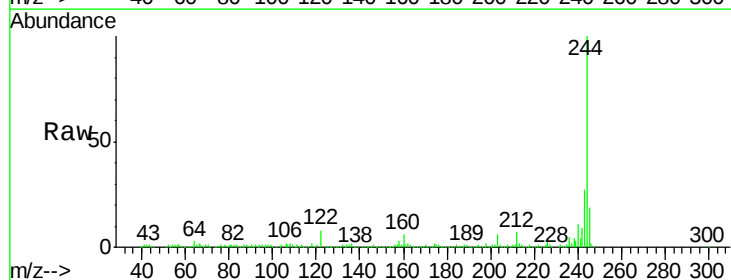
Tgt Ion:244 Resp: 431438

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

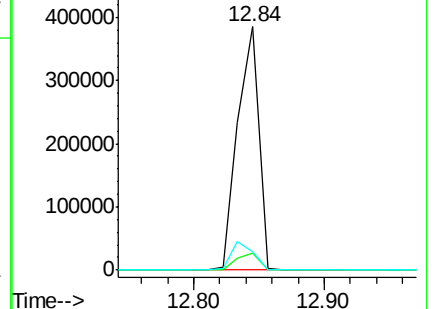
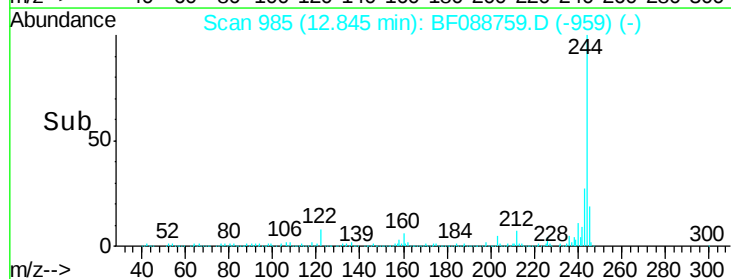
122 7.7 11.2 16.8#

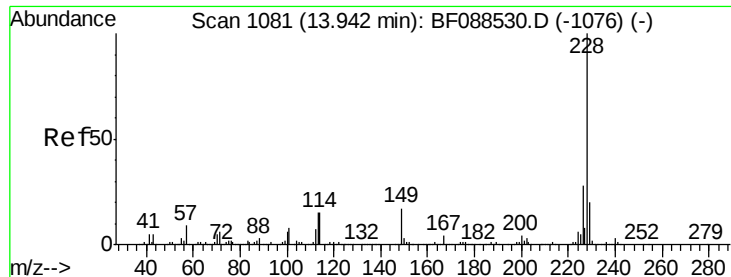


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.05 ng

RT: 13.87 min Scan# 1075

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

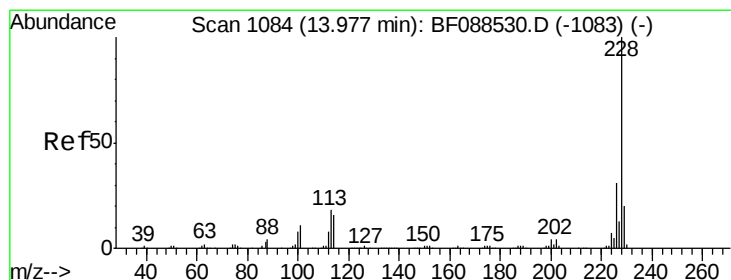
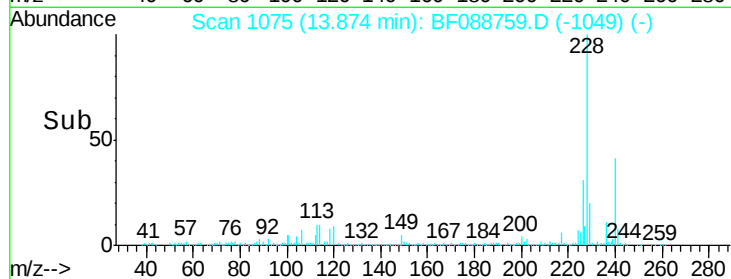
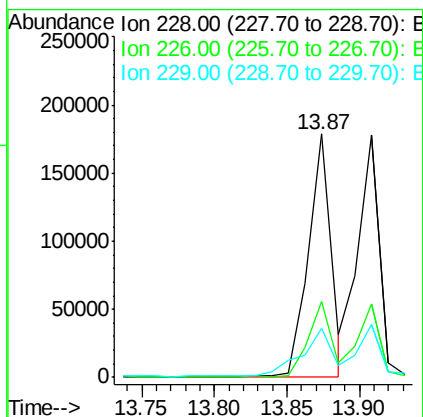
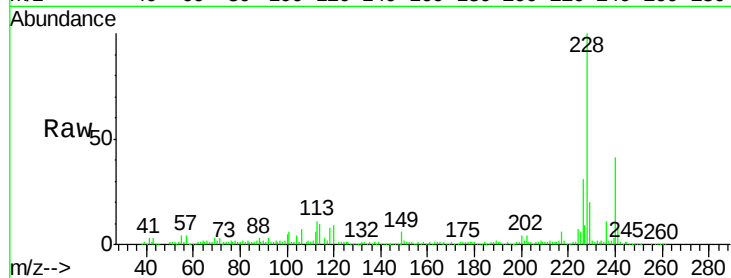
Instrument :

BNA_F

ClientSampleId :

C2.2-05

Tgt Ion:	228	Resp:	194042
Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.3	33.5
229	20.2	16.0	24.0



#82

Chrysene

Concen: 16.22 ng

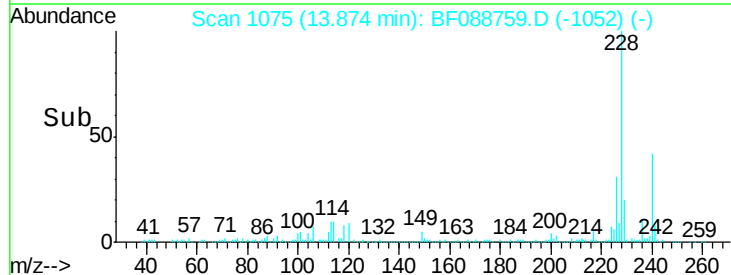
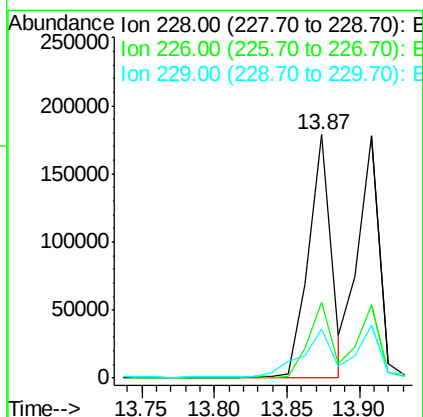
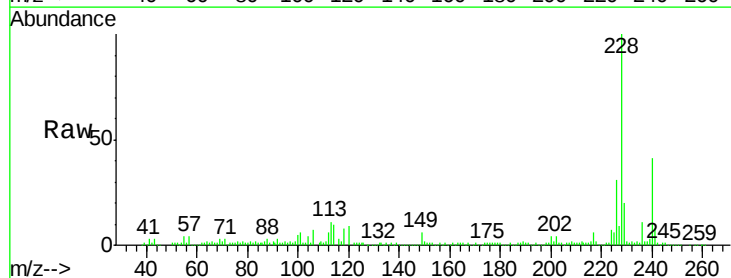
RT: 13.87 min Scan# 1075

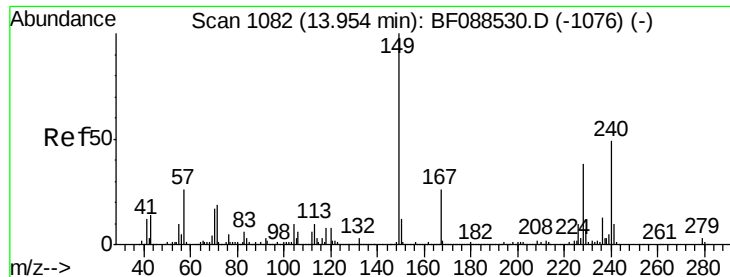
Delta R.T. -0.03 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Tgt Ion:	228	Resp:	194042
Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.2
229	20.2	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.36 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

C2.2-05

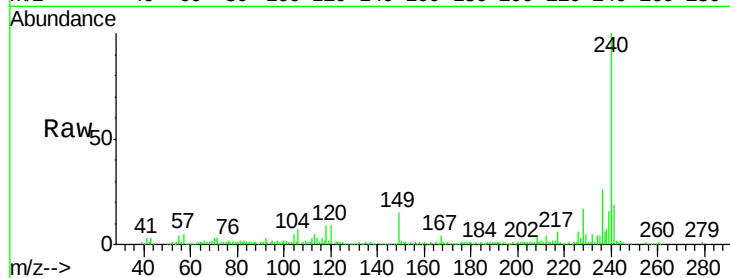
Tgt Ion:149 Resp: 27269

Ion Ratio Lower Upper

149 100

167 26.8 20.5 30.7

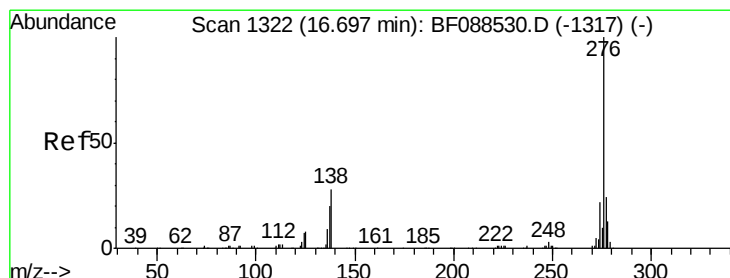
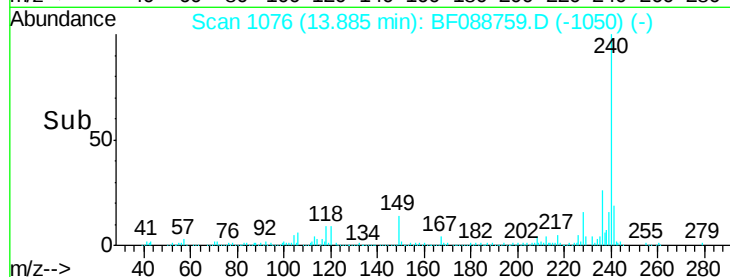
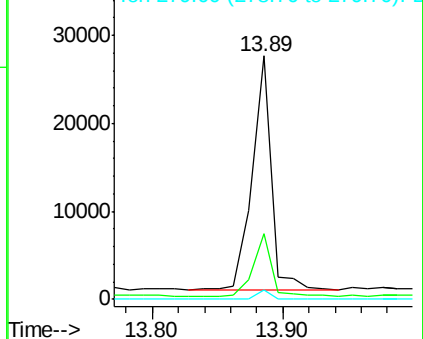
279 3.6 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.68 ng

RT: 16.57 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

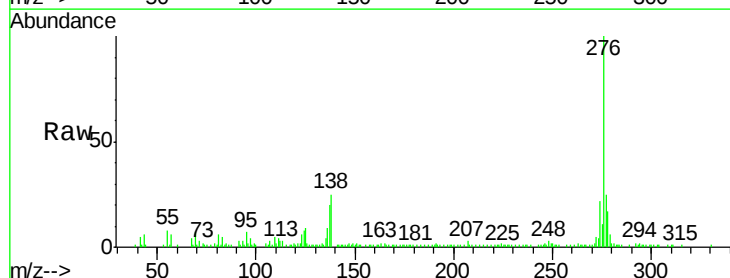
Tgt Ion:276 Resp: 89058

Ion Ratio Lower Upper

276 100

138 24.1 0.0 0.0#

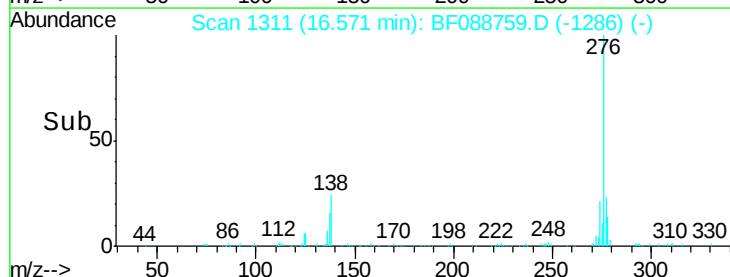
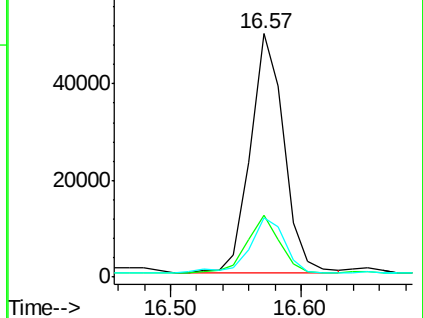
277 26.3 0.0 0.0#

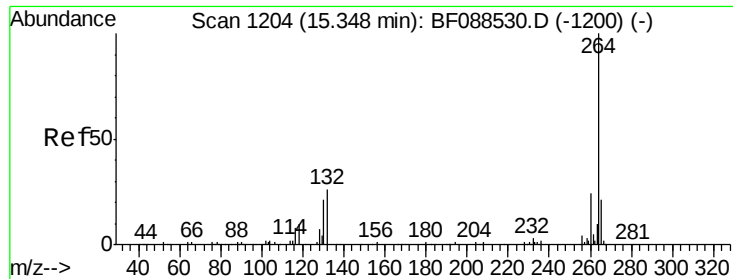


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

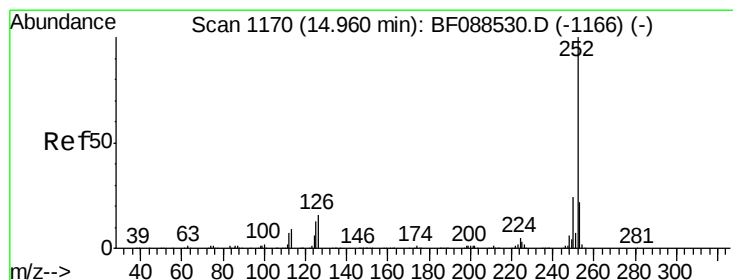
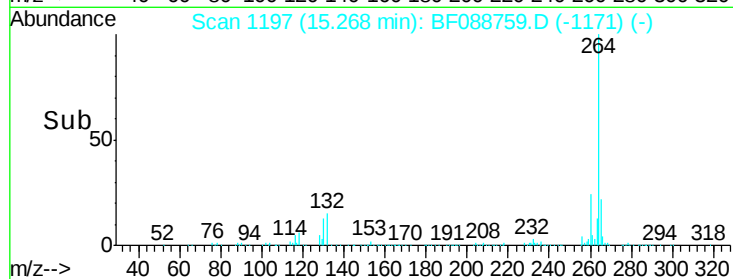
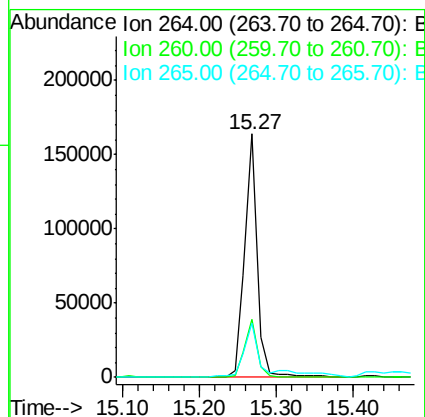
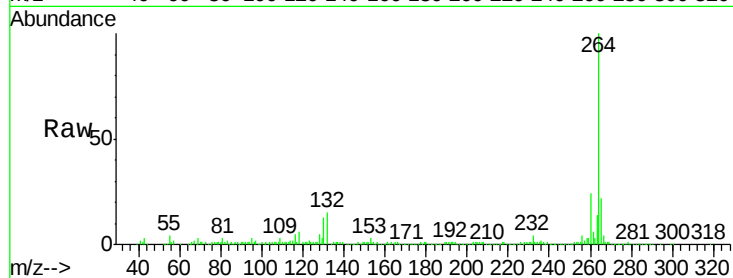




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

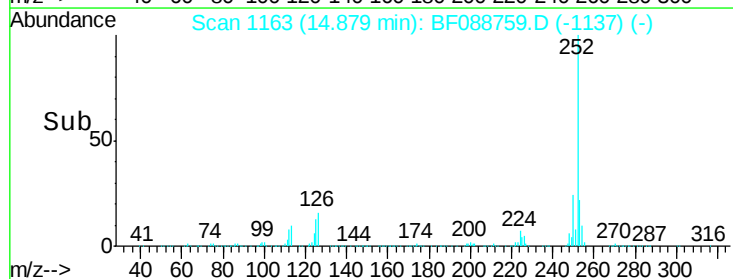
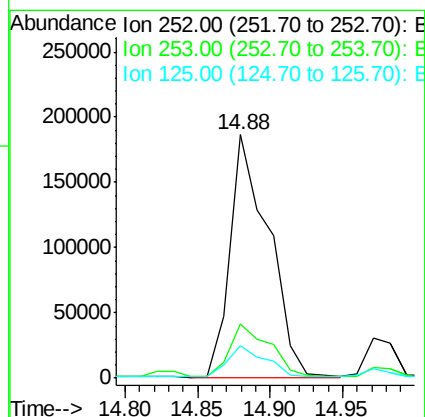
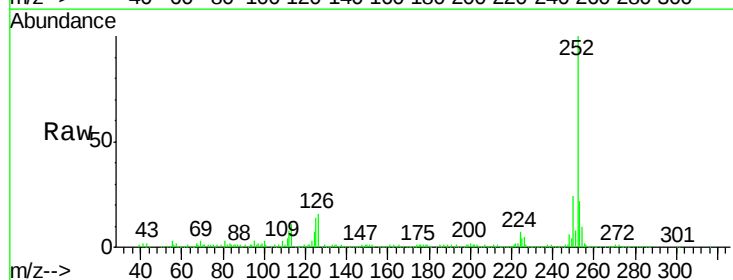
Instrument :
BNA_F
ClientSampleId :
C2.2-05

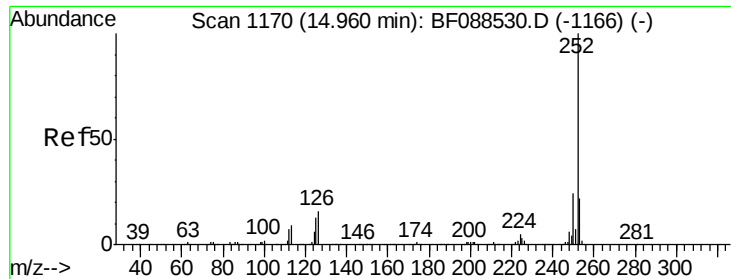
Tgt Ion: 264 Resp: 189706
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.3 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 28.80 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Tgt Ion: 252 Resp: 342687
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 13.6 7.1 10.7#

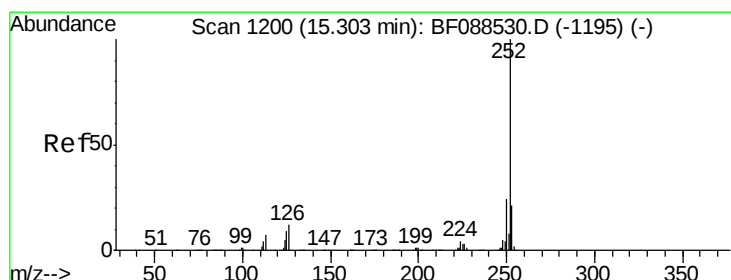
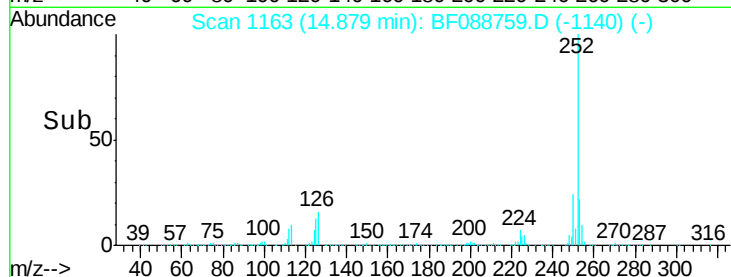
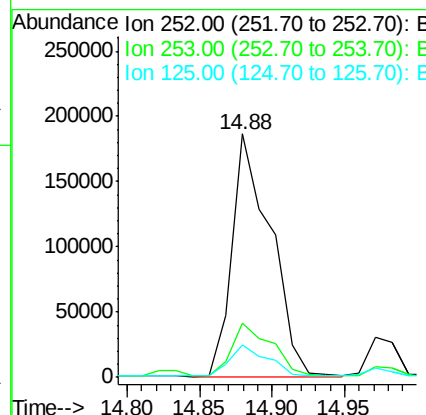
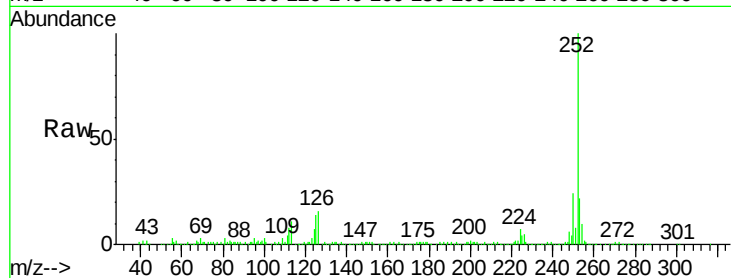




#88
Benzo(k)fluoranthene
Concen: 33.08 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

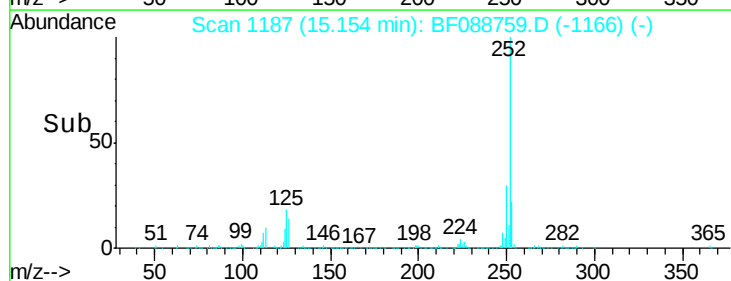
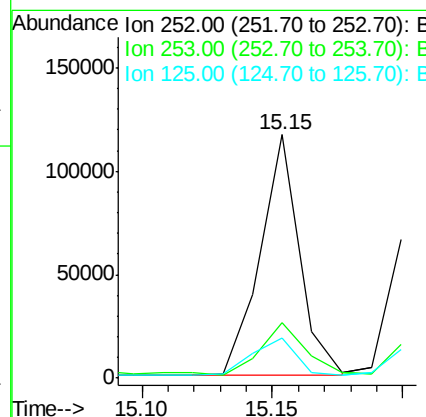
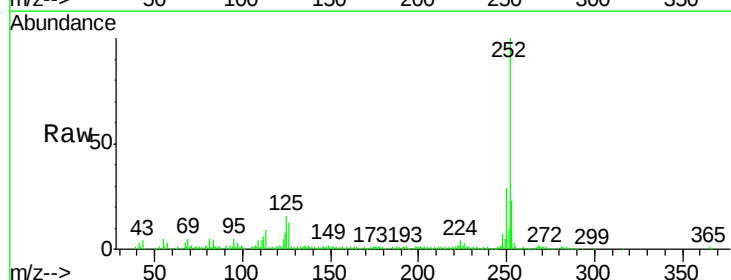
Instrument :
BNA_F
ClientSampleId :
C2.2-05

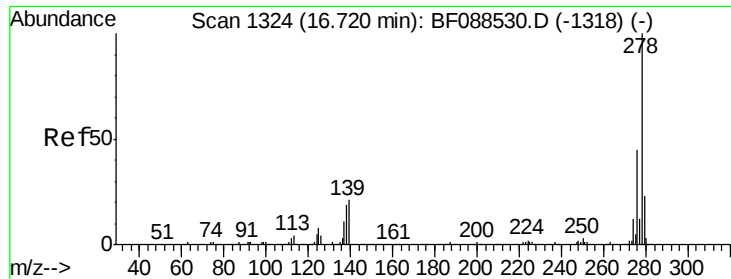
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	13.6	11.2	16.8



#89
Benzo(a)pyrene
Concen: 12.11 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.06 min
Lab File: BF088759.D
Acq: 7 Jul 2016 3:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	16.3	12.5	18.7





#90

Dibenzo(a,h)anthracene

Concen: 2.54 ng

RT: 16.58 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

Instrument :

BNA_F

ClientSampleId :

C2.2-05

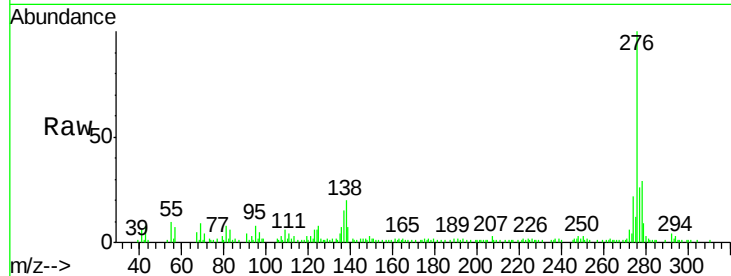
Tgt Ion:278 Resp: 21396

Ion Ratio Lower Upper

278 100

139 25.1 15.7 23.5#

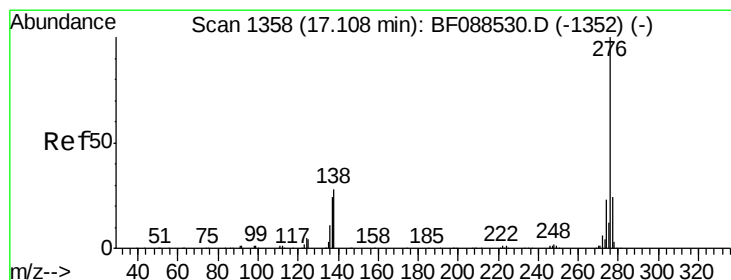
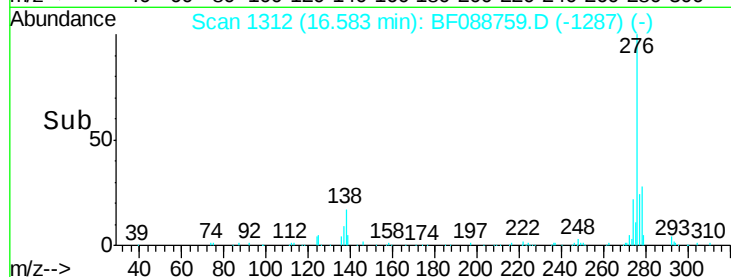
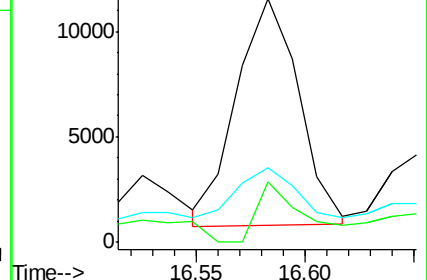
279 30.4 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.79 ng

RT: 16.97 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF088759.D

Acq: 7 Jul 2016 3:20

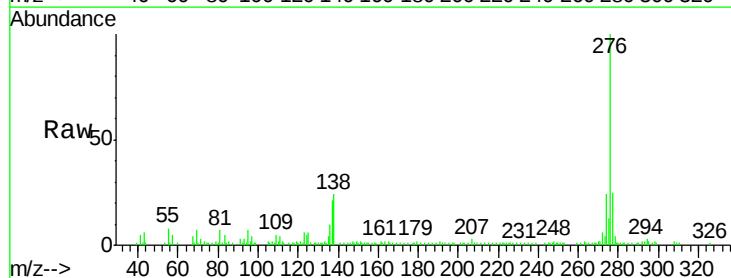
Tgt Ion:276 Resp: 85275

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 23.9 21.4 32.2



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

