

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
 Data File : BF088758.D
 Acq On : 7 Jul 2016 2:51
 Operator : UM/SJ
 Sample : H3880-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-04

Quant Time: Jul 07 06:40:06 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	89921	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	402130	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	184177	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	319212	20.00	ng	0.00
75) Chrysene-d12	13.89	240	200280	20.00	ng	0.00
86) Perylene-d12	15.26	264	185853	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	569809	94.97	ng	0.00
7) Phenol-d6	6.39	99	735429	94.86	ng	0.00
23) Nitrobenzene-d5	7.31	82	487491	63.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	180270	105.40	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	800906	68.69	ng	-0.01
78) Terphenyl-d14	12.84	244	695283	77.32	ng	0.00

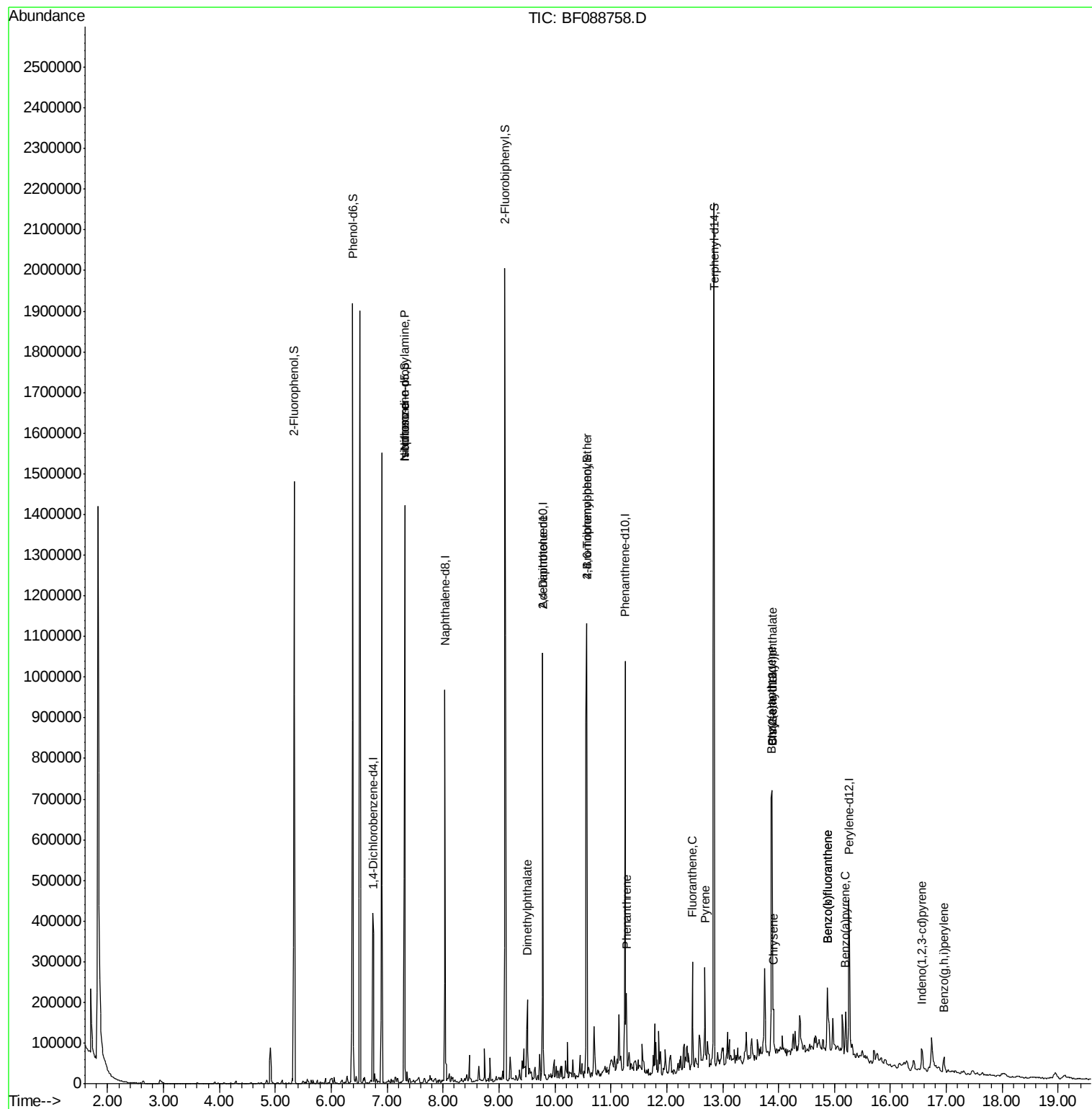
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	67679	13.00	ng	# 72
25) Isophorone	7.31	82	355519	25.01	ng	# 65
49) Dimethylphthalate	9.51	163	92390	7.04	ng	98
56) 2,4-Dinitrotoluene	9.78	165	25415	6.68	ng	# 38
66) 4-Bromophenyl-phenylether	10.57	248	11754	3.65	ng	# 1
70) Phenanthrene	11.28	178	62951	3.61	ng	99
74) Fluoranthene	12.46	202	99878	5.65	ng	97
77) Pyrene	12.68	202	91265	5.37	ng	99
80) Benzo(a)anthracene	13.87	228	56284	4.36	ng	91
82) Chrysene	13.91	228	56459	4.42	ng	96
83) Bis(2-ethylhexyl)phthalate	13.89	149	67022	7.75	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.56	276	34459	3.51	ng	# 100
87) Benzo(b)fluoranthene	14.88	252	111781	9.59	ng	# 97
88) Benzo(k)fluoranthene	14.88	252	111781	11.01	ng	98
89) Benzo(a)pyrene	15.20	252	39715	4.02	ng	98
91) Benzo(g,h,i)perylene	16.96	276	33147	3.89	ng	94

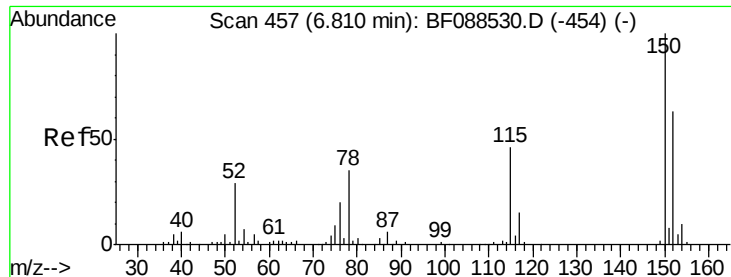
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

C2.2-04

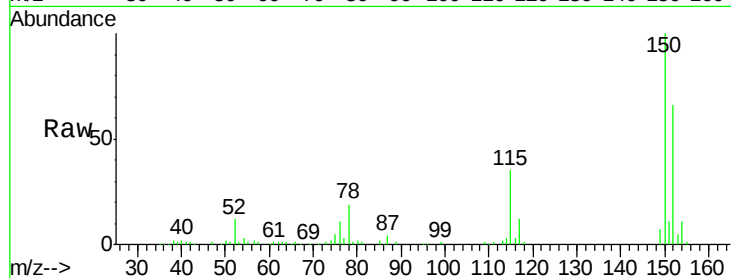
Tgt Ion:152 Resp: 89921

Ion Ratio Lower Upper

152 100

150 151.0 123.8 185.6

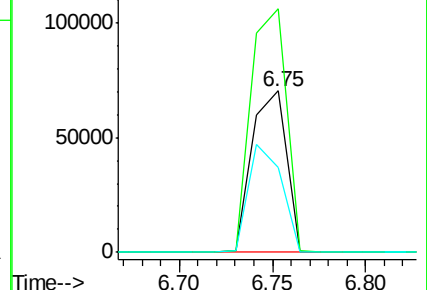
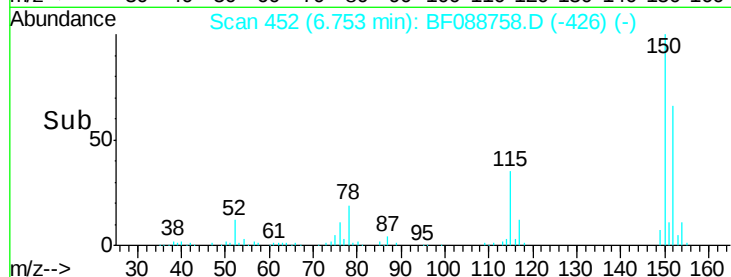
115 52.6 39.6 59.4



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: 94.97 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.00 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

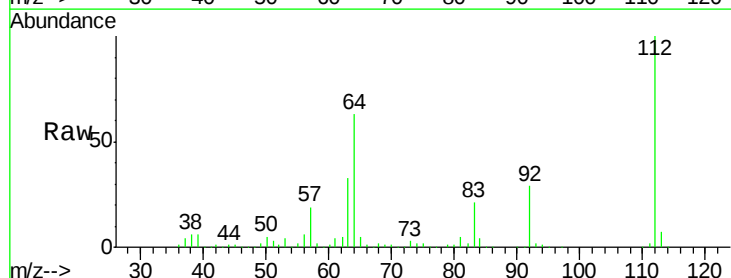
Tgt Ion:112 Resp: 569809

Ion Ratio Lower Upper

112 100

64 62.9 42.2 63.2

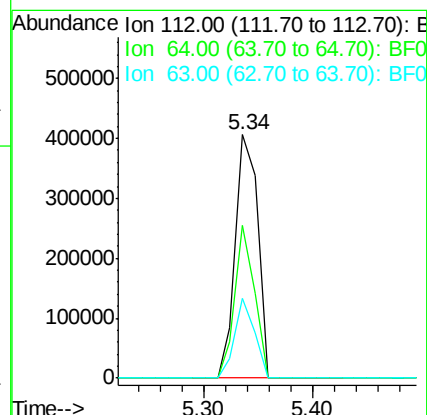
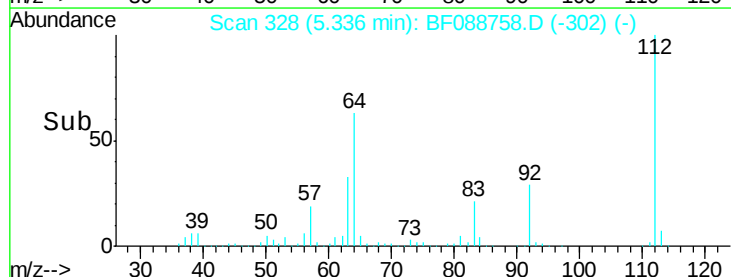
63 33.0 21.8 32.8#



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: 94.86 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

C2.2-04

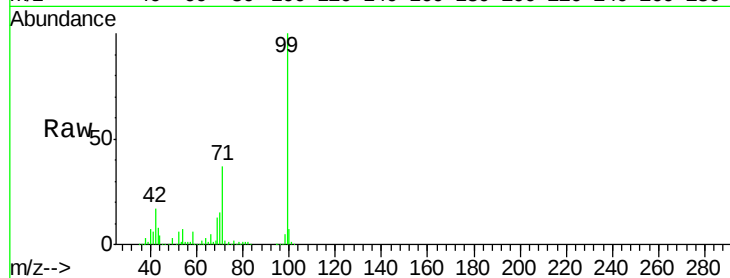
Tgt Ion: 99 Resp: 735429

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 37.4 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

6.39

800000

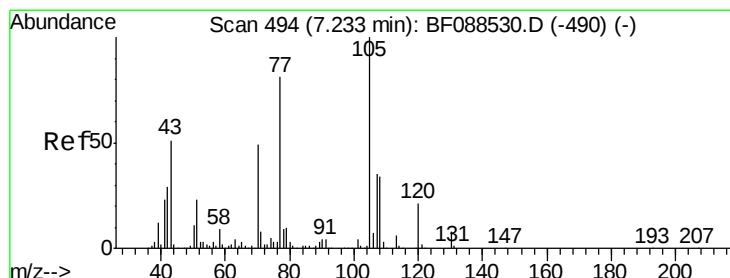
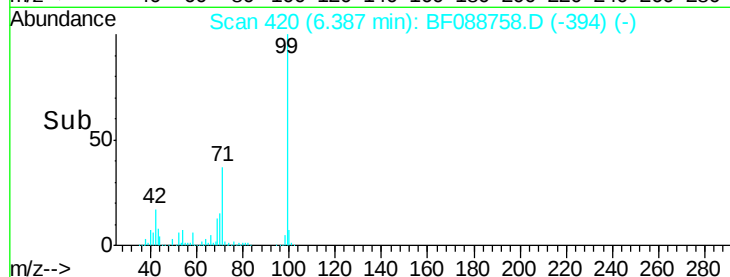
600000

400000

200000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.00 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.14 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

Tgt Ion: 70 Resp: 67679

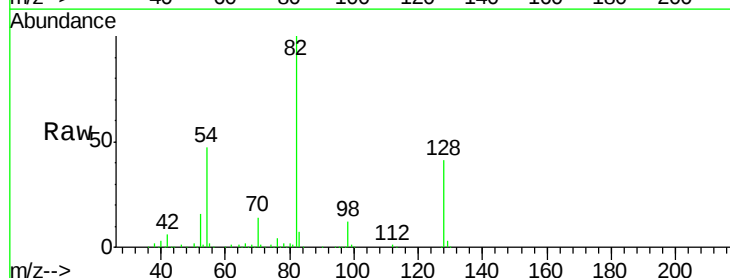
Ion Ratio Lower Upper

70 100

42 42.7 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

7.31

100000

80000

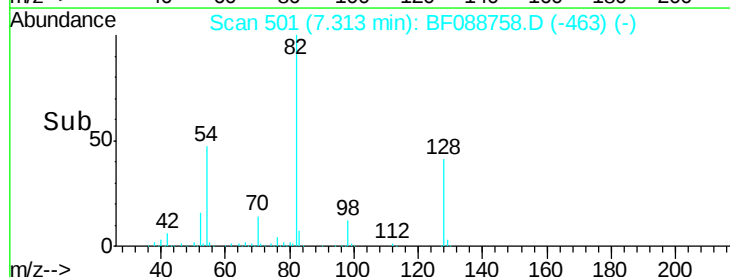
60000

40000

20000

0

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

C2.2-04

Tgt Ion:136 Resp: 402130

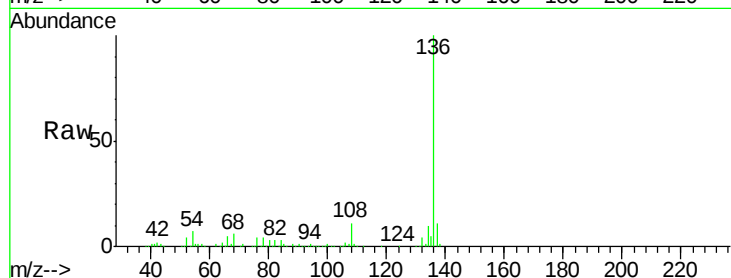
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.9 6.6 10.0

68 5.6 5.1 7.7

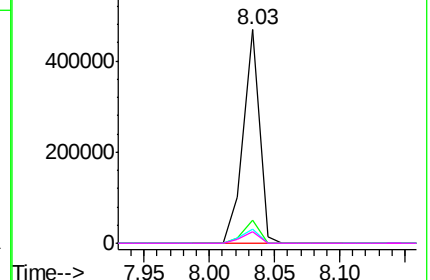
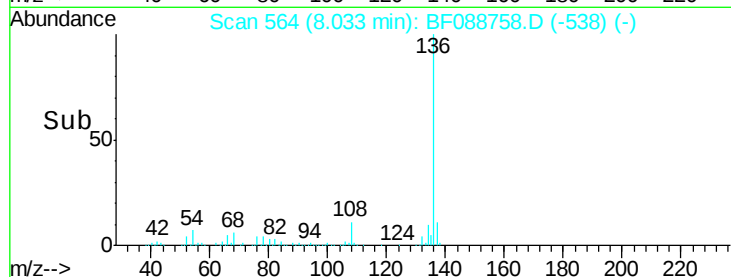


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.53 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

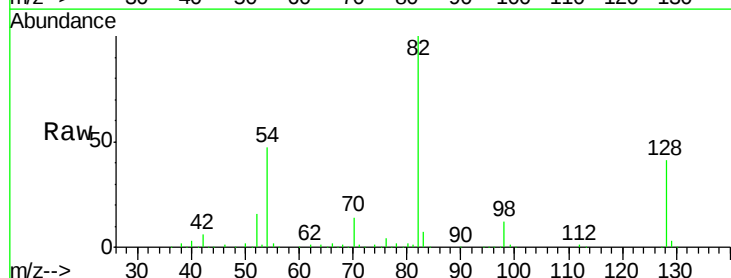
Tgt Ion: 82 Resp: 487491

Ion Ratio Lower Upper

82 100

128 41.2 35.9 53.9

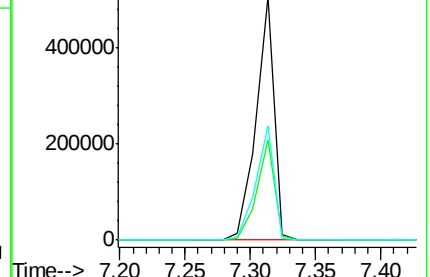
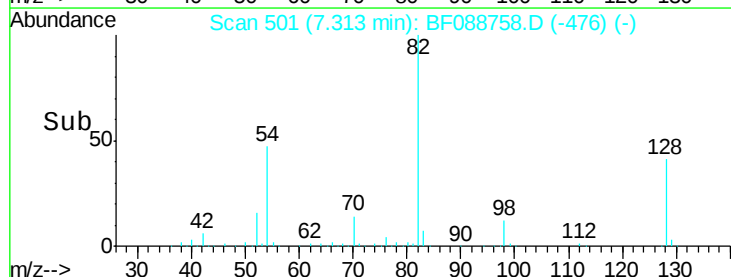
54 47.0 40.9 61.3

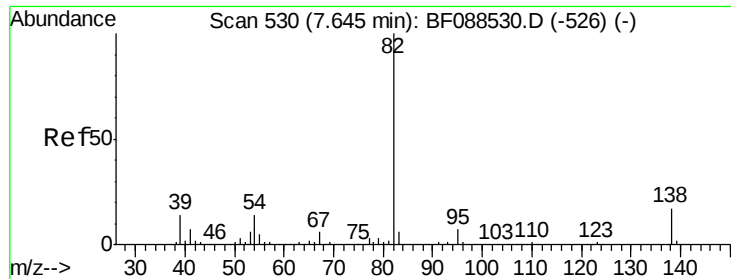


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.01 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.26 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

C2.2-04

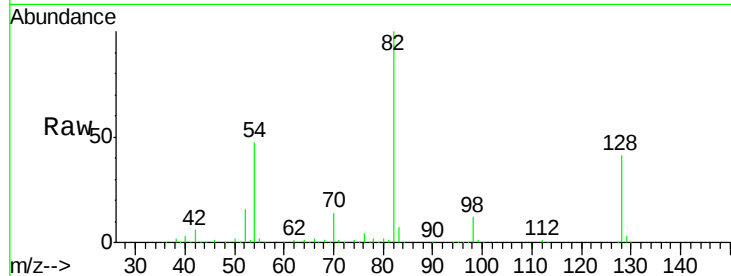
Tgt Ion: 82 Resp: 355519

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

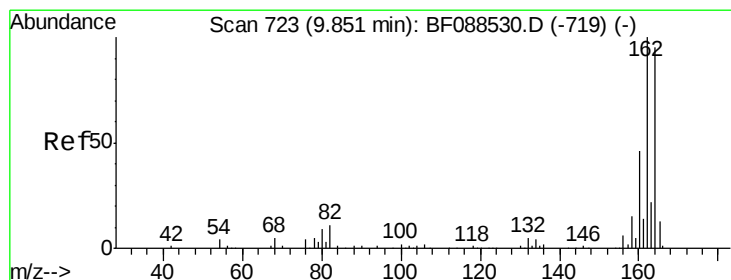
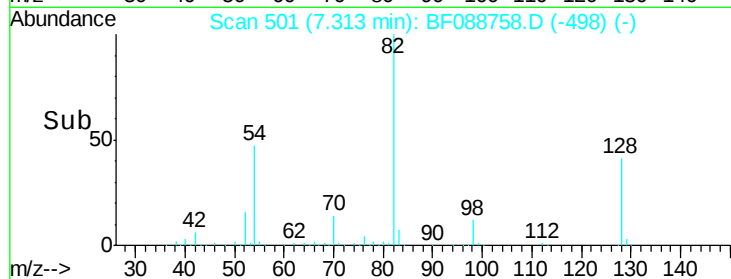
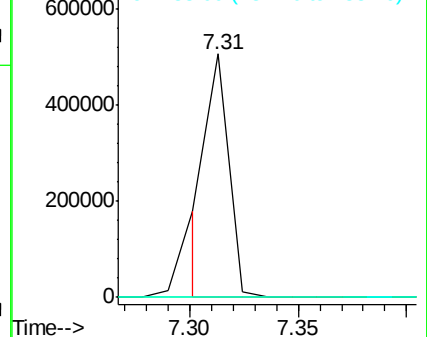
138 0.0 14.6 21.8#



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: BF088758.D

Acq: 7 Jul 2016 2:51

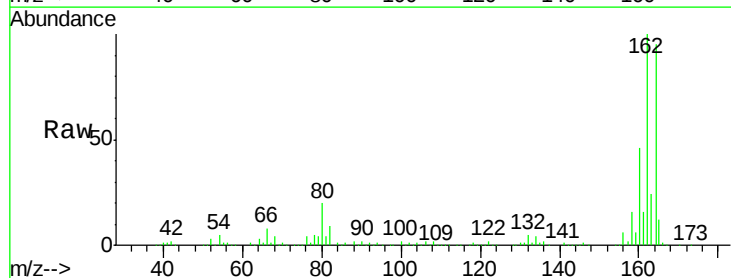
Tgt Ion: 164 Resp: 184177

Ion Ratio Lower Upper

164 100

162 104.8 85.4 128.2

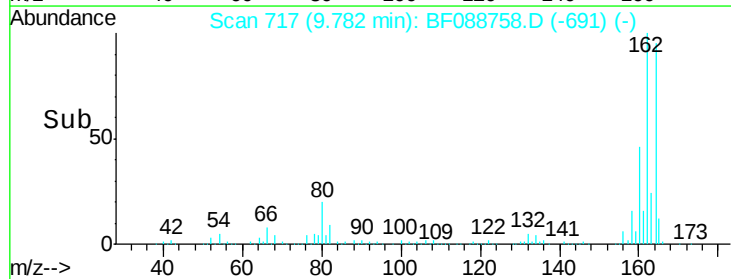
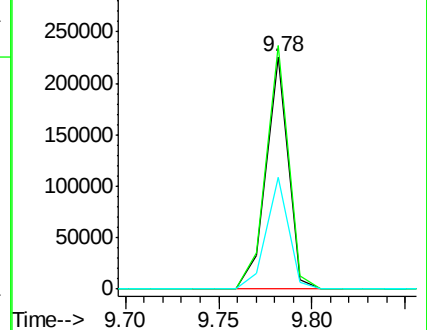
160 48.1 39.5 59.3



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

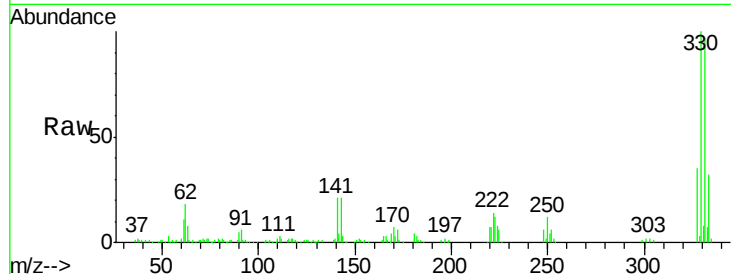




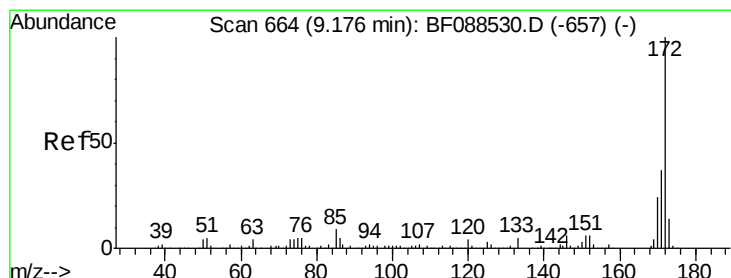
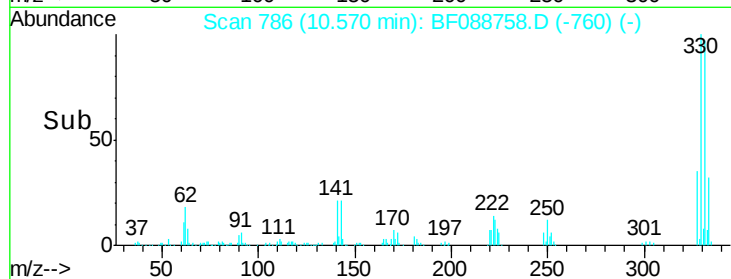
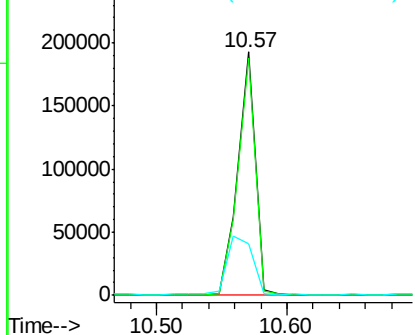
#41
 2,4,6-Tribromophenol
 Concen: 105.40 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF088758.D
 Acq: 7 Jul 2016 2:51

Instrument :
 BNA_F
 ClientSampled :
 C2.2-04

Tgt Ion:330 Resp: 180270
 Ion Ratio Lower Upper
 330 100
 332 97.3 0.0 0.0#
 141 37.5 0.0 0.0#

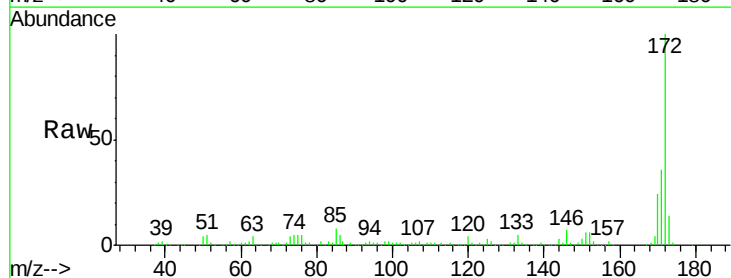


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

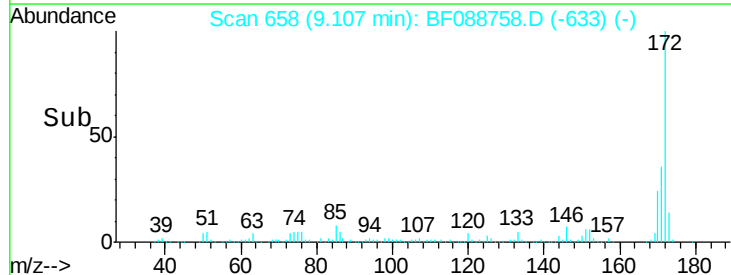
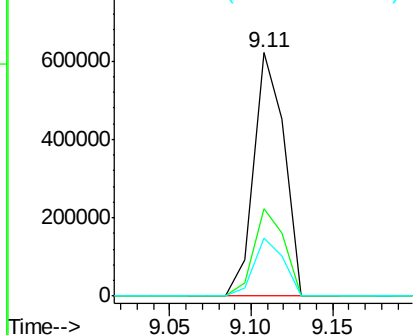


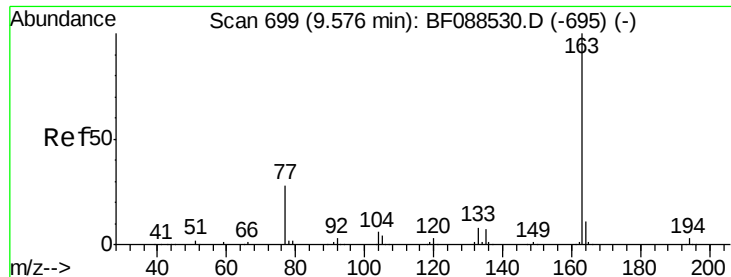
#44
 2-Fluorobiphenyl
 Concen: 68.69 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF088758.D
 Acq: 7 Jul 2016 2:51

Tgt Ion:172 Resp: 800906
 Ion Ratio Lower Upper
 172 100
 171 35.7 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

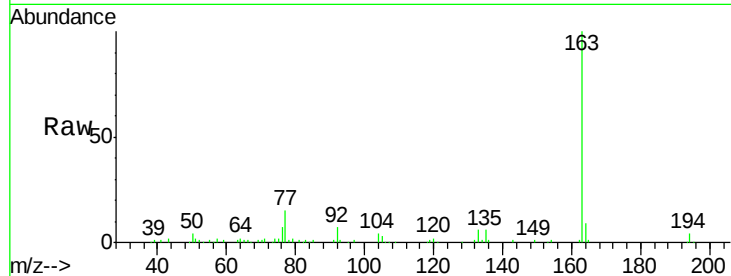




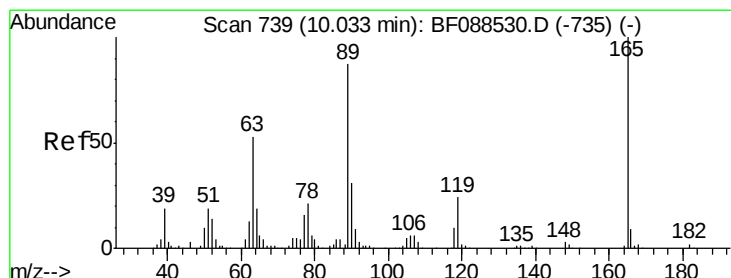
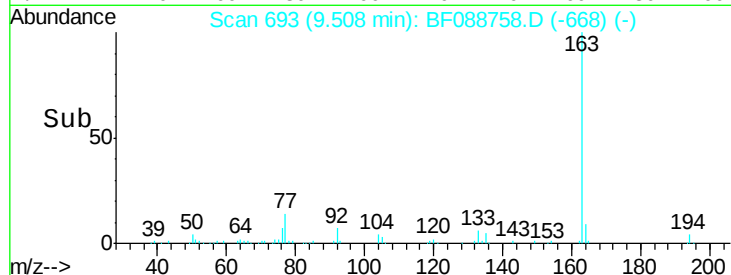
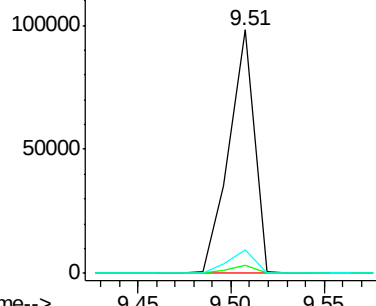
#49
Dimethylphthalate
Concen: 7.04 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Instrument :
BNA_F
ClientSampled :
C2.2-04

Tgt Ion:163 Resp: 92390
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.4 8.3 12.5

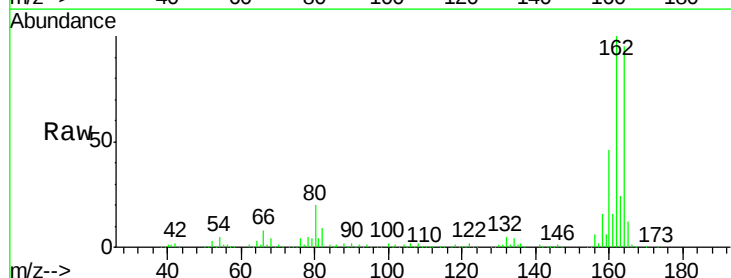


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

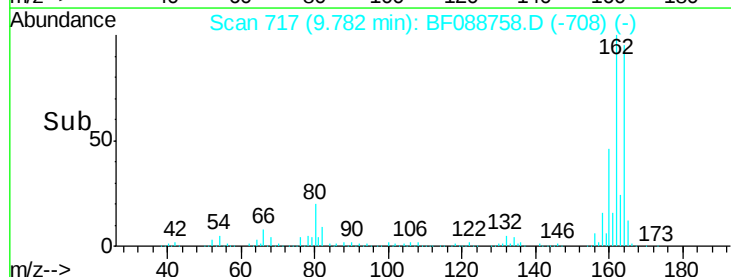
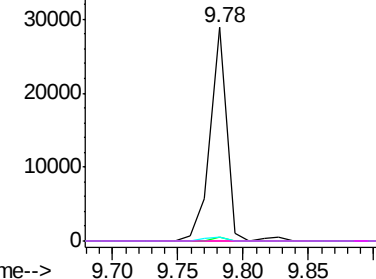


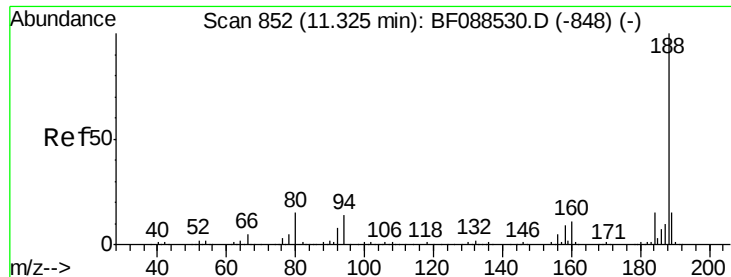
#56
2,4-Dinitrotoluene
Concen: 6.68 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.19 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:165 Resp: 25415
Ion Ratio Lower Upper
165 100
63 1.8 22.0 33.0#
89 1.9 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

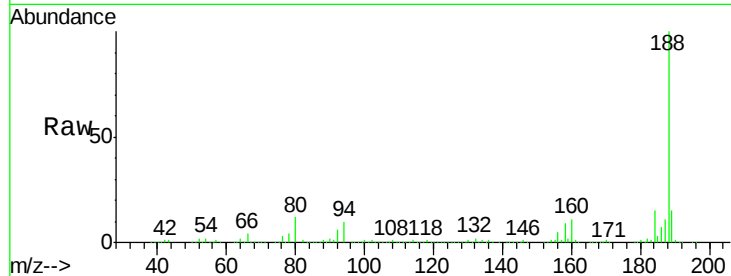




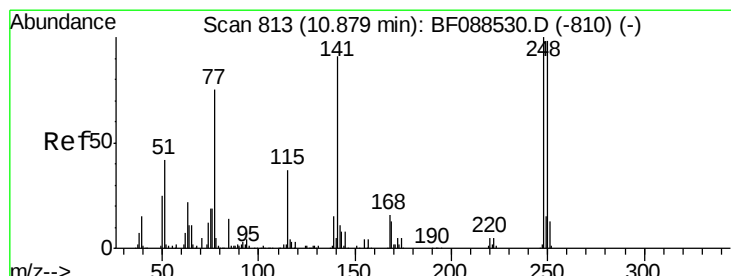
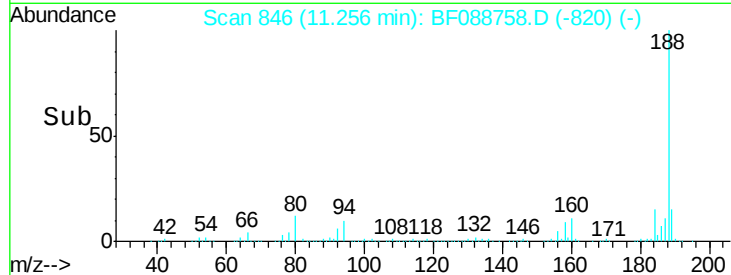
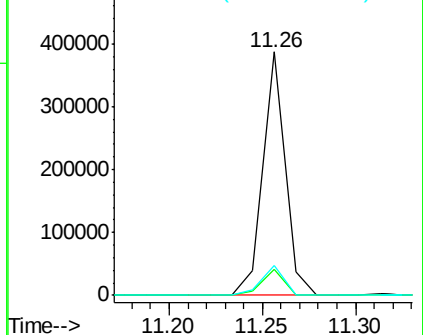
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Instrument :
BNA_F
ClientSampleId :
C2.2-04

Tgt Ion:188 Resp: 319212
Ion Ratio Lower Upper
188 100
94 10.5 9.0 13.6
80 12.1 10.0 15.0

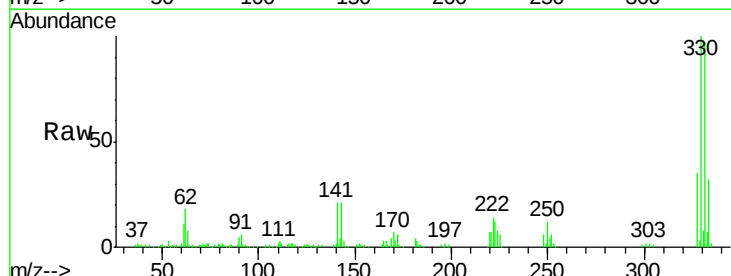


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

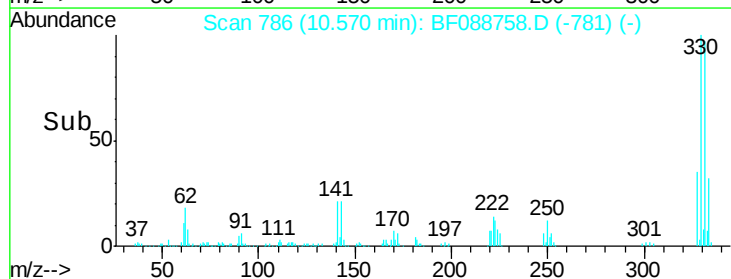
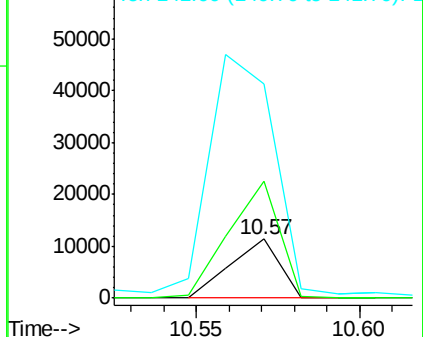


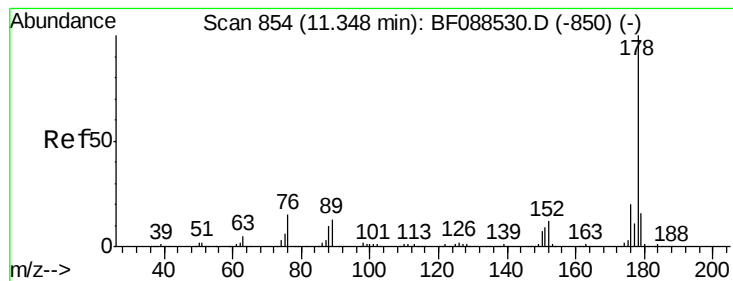
#66
4-Bromophenyl-phenylether
Concen: 3.65 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.24 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:248 Resp: 11754
Ion Ratio Lower Upper
248 100
250 199.2 77.1 115.7#
141 363.9 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: 3.61 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

C2.2-04

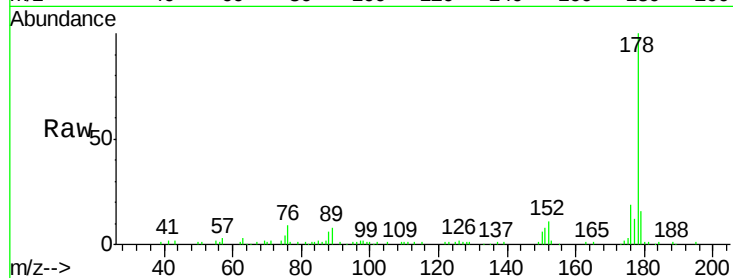
Tgt Ion:178 Resp: 62951

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

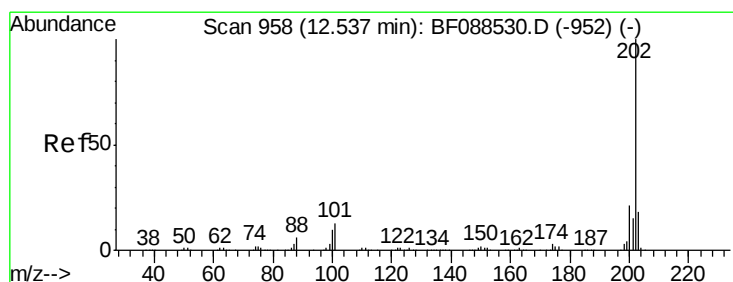
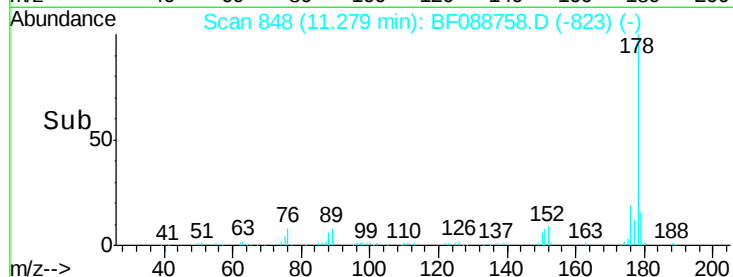
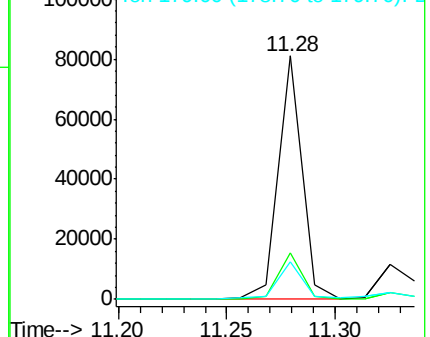
179 15.6 13.0 19.4



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



#74

Fluoranthene

Concen: 5.65 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

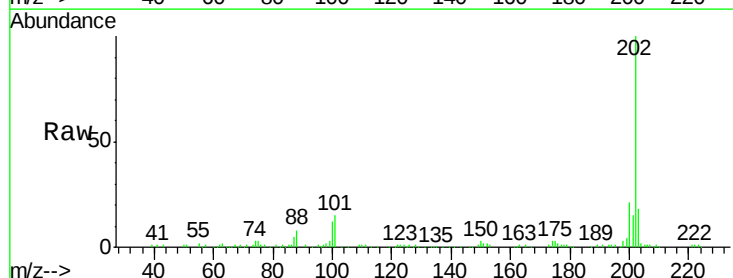
Tgt Ion:202 Resp: 99878

Ion Ratio Lower Upper

202 100

101 15.1 0.0 33.1

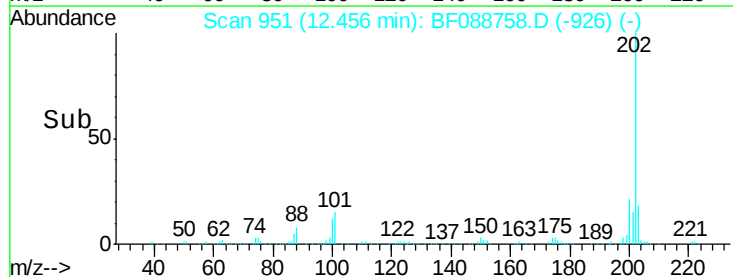
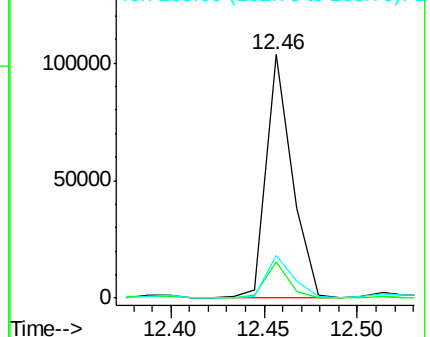
203 17.7 0.0 38.1

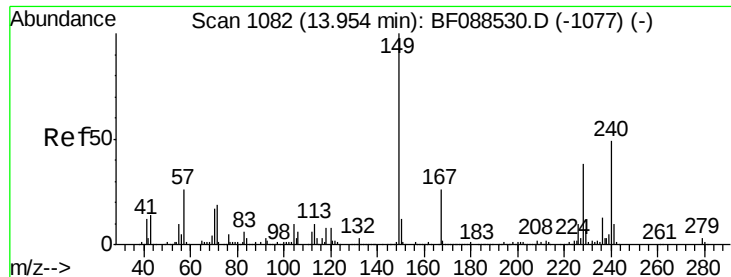


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF088758.D

Acq: 7 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

C2.2-04

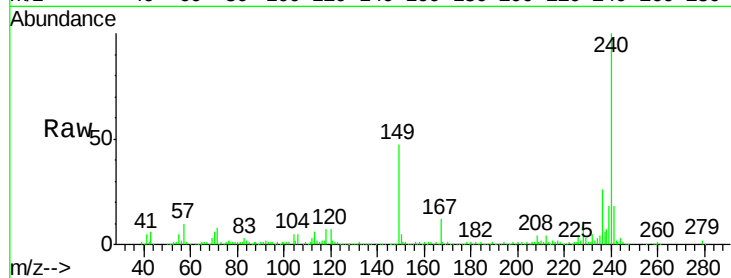
Tgt Ion:240 Resp: 200280

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

236 25.5 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

200000

150000

100000

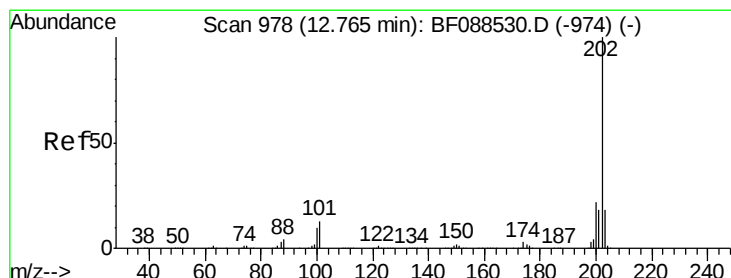
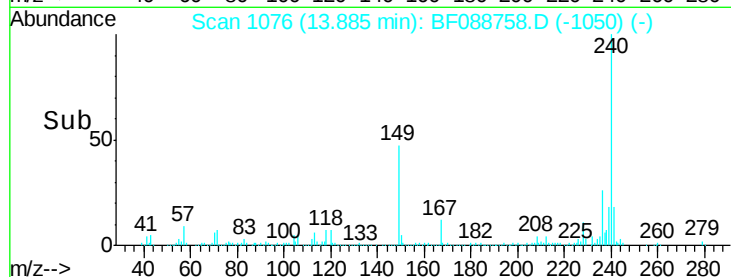
50000

0

13.89

13.80 13.90 14.00

Time-->



#77

Pyrene

Concen: 5.37 ng

RT: 12.68 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

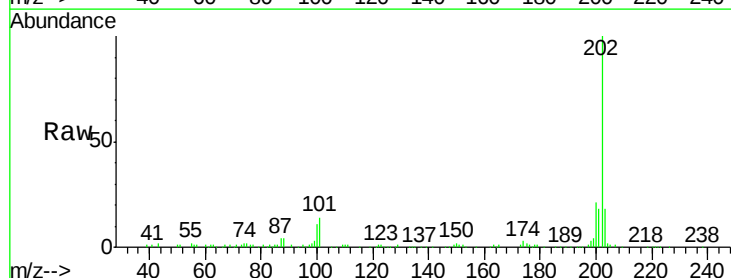
Tgt Ion:202 Resp: 91265

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 17.8 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

100000

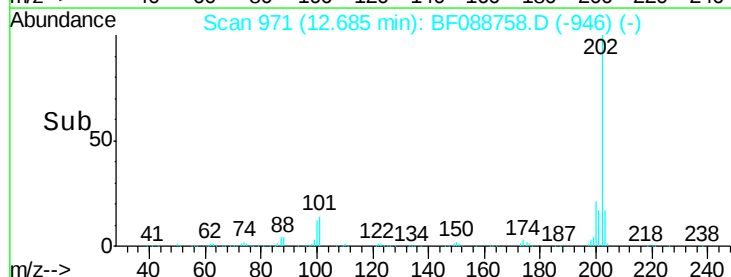
50000

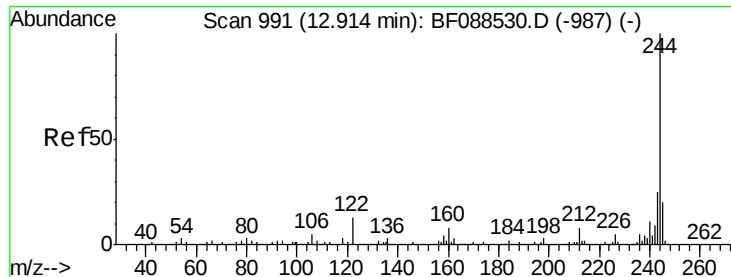
0

12.68

12.60 12.65 12.70 12.75

Time-->

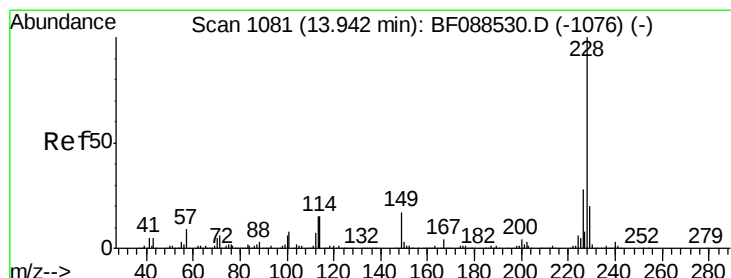
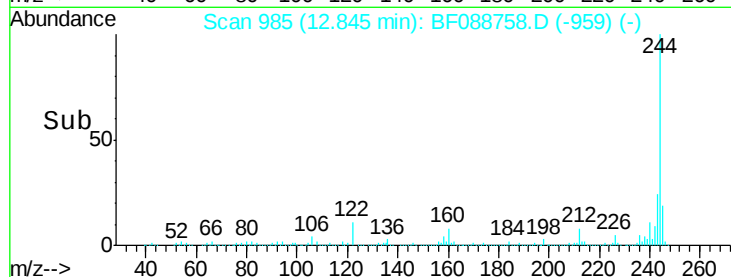
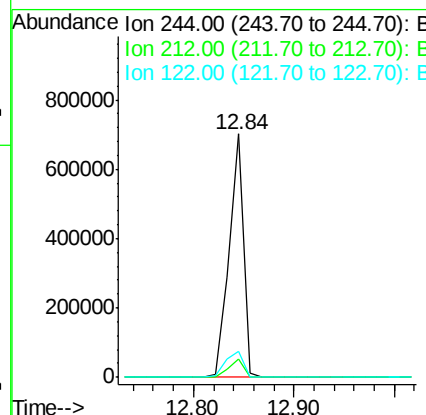
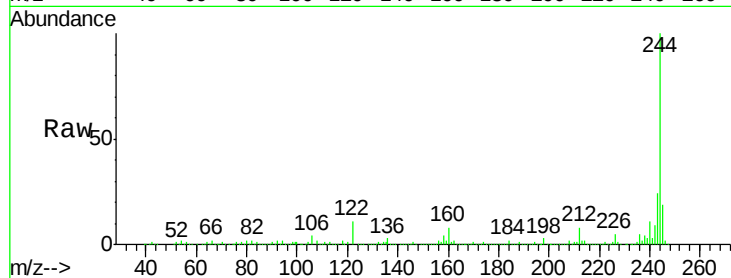




#78
 Terphenyl-d14
 Concen: 77.32 ng
 RT: 12.84 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: BF088758.D
 Acq: 7 Jul 2016 2:51

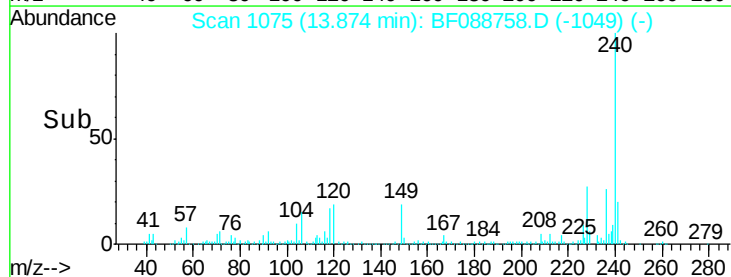
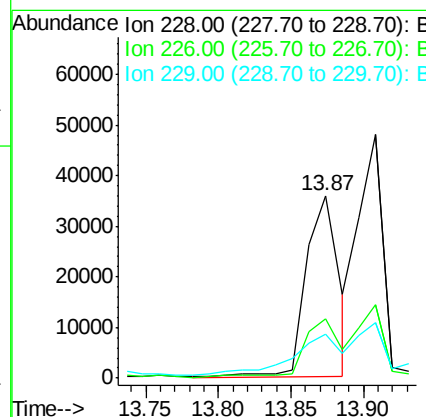
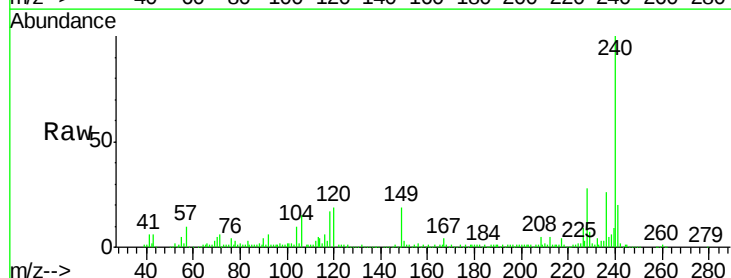
Instrument :
 BNA_F
 ClientSampleId :
 C2.2-04

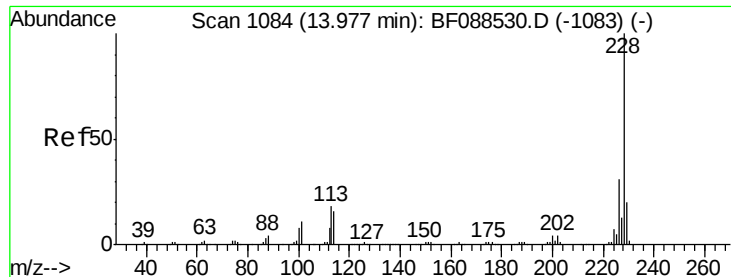
Tgt Ion:244 Resp: 695283
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 10.7 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 4.36 ng
 RT: 13.87 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: BF088758.D
 Acq: 7 Jul 2016 2:51

Tgt Ion:228 Resp: 56284
 Ion Ratio Lower Upper
 228 100
 226 32.5 22.3 33.5
 229 23.9 16.0 24.0





#82

Chrysene

Concen: 4.42 ng

RT: 13.91 min Scan# 1078

Delta R.T. -0.00 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

Instrument :

BNA_F

ClientSampleId :

C2.2-04

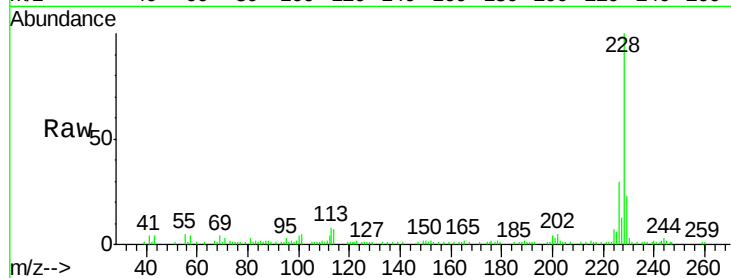
Tgt Ion:228 Resp: 56459

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.2

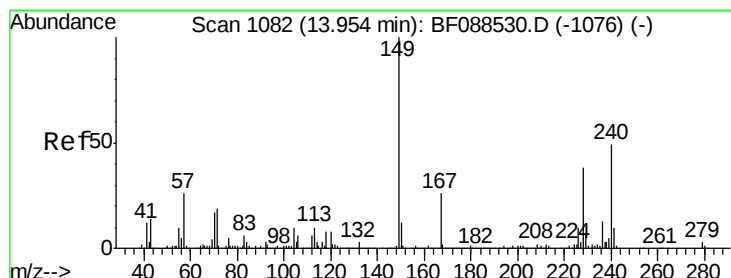
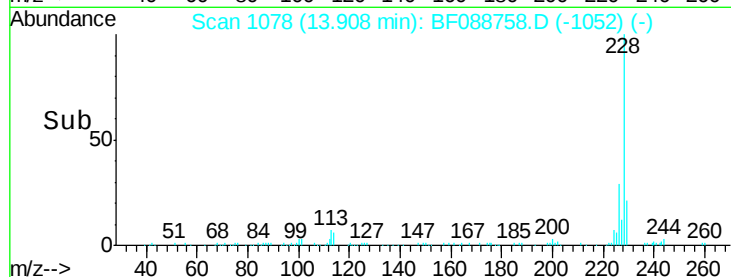
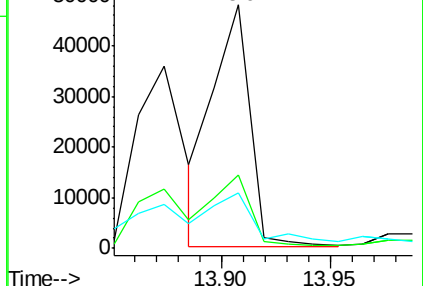
229 23.0 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 7.75 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

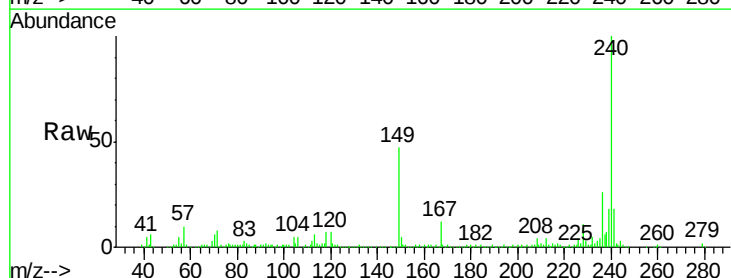
Tgt Ion:149 Resp: 67022

Ion Ratio Lower Upper

149 100

167 25.6 20.5 30.7

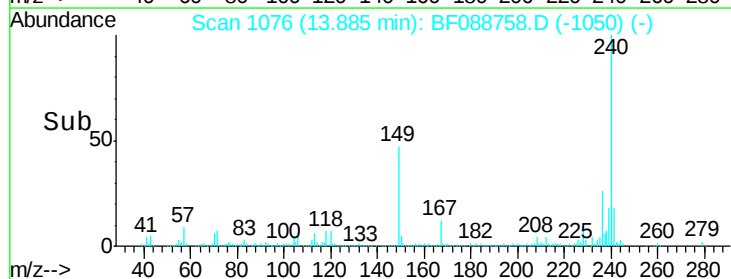
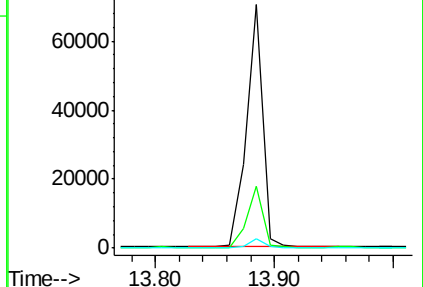
279 3.7 2.0 3.0#

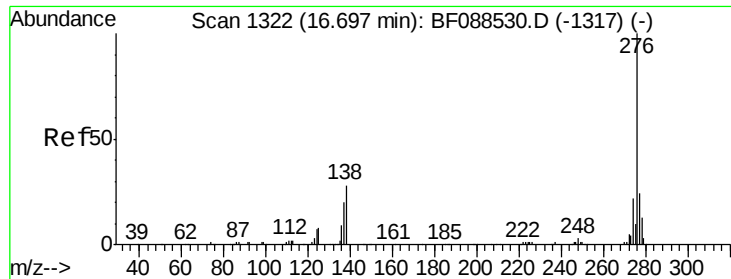


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

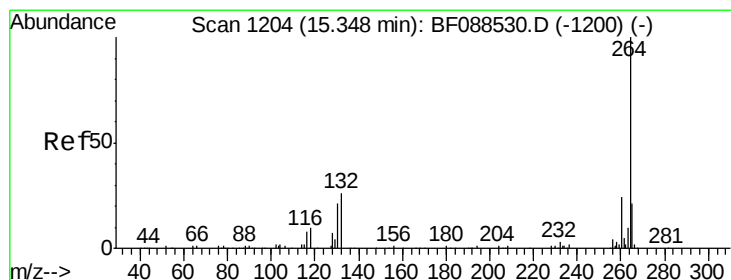
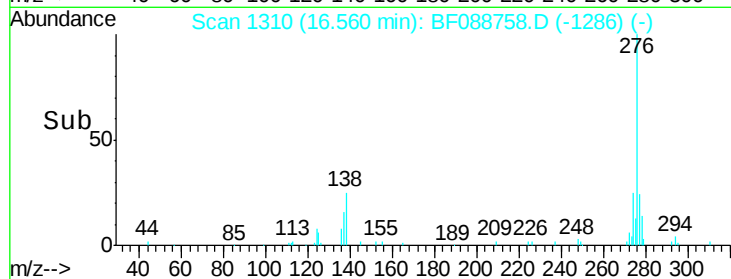
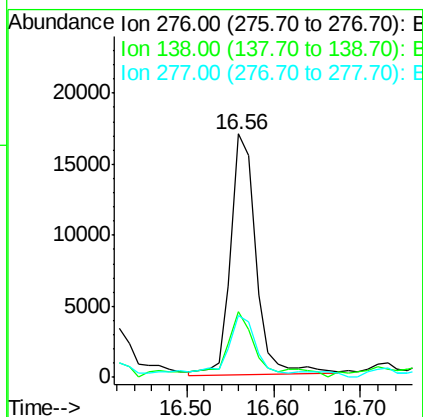
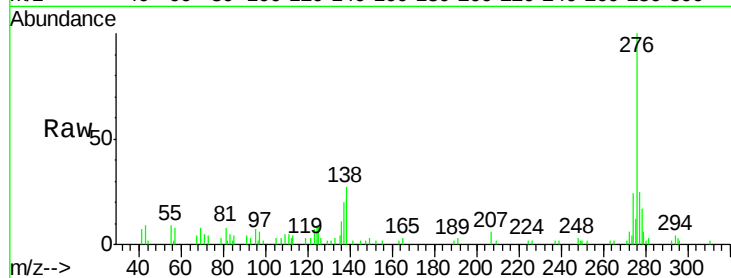




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.51 ng
RT: 16.56 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

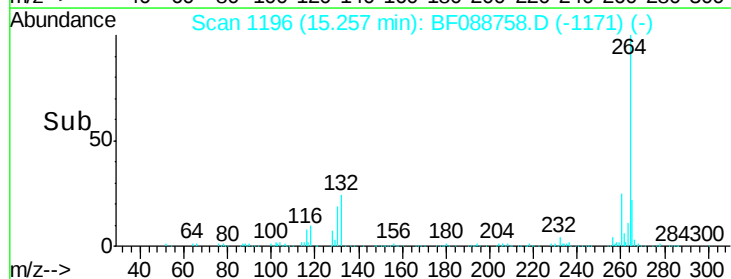
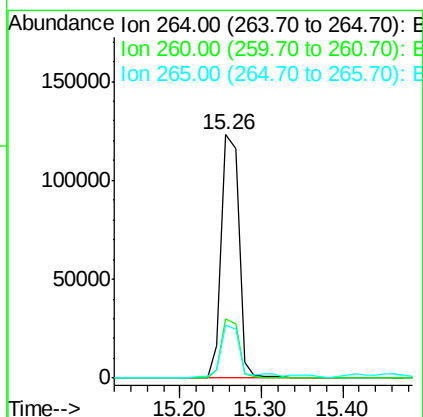
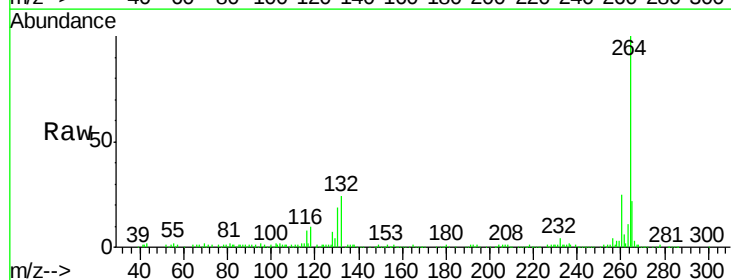
Instrument :
BNA_F
ClientSampleId :
C2.2-04

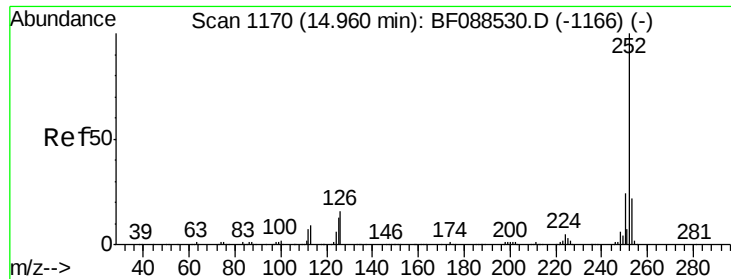
Tgt Ion: 276 Resp: 34459
Ion Ratio Lower Upper
276 100
138 23.3 0.0 0.0#
277 26.6 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion: 264 Resp: 185853
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.8 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 9.59 ng

RT: 14.88 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

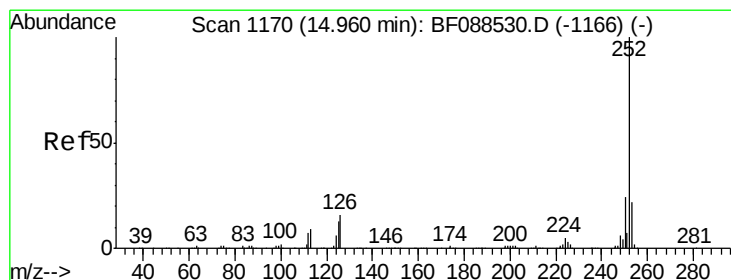
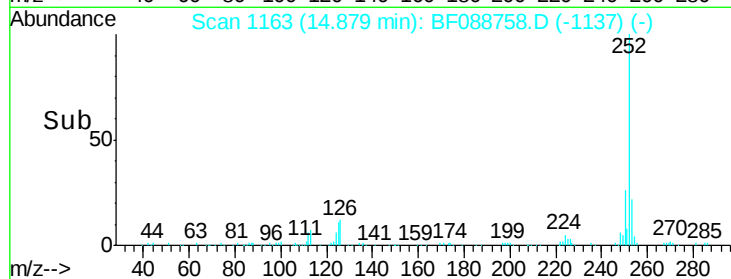
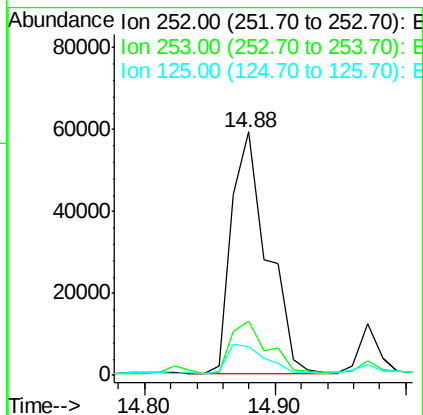
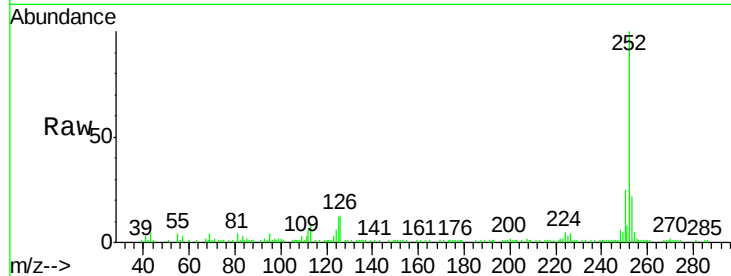
Instrument :

BNA_F

ClientSampleId :

C2.2-04

Tgt Ion:	252	Resp:	111781
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	11.9	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 11.01 ng

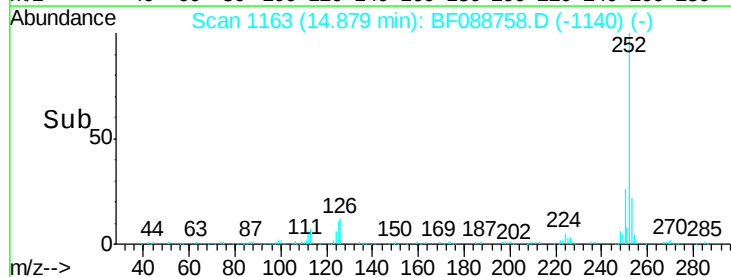
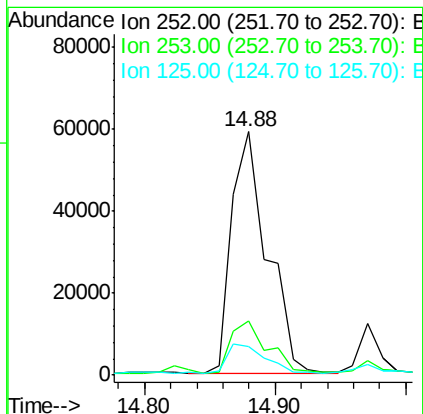
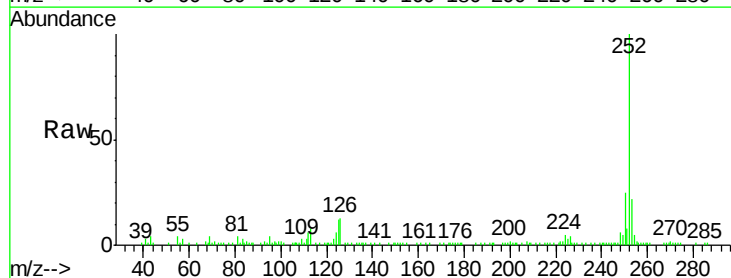
RT: 14.88 min Scan# 1163

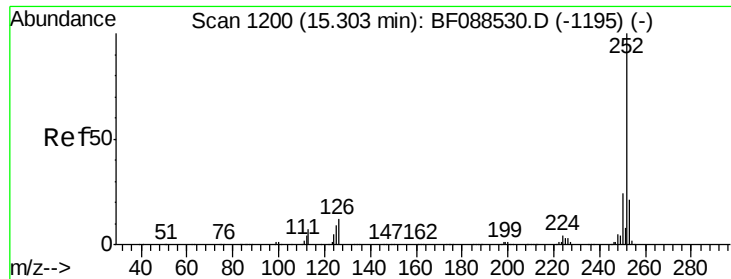
Delta R.T. -0.03 min

Lab File: BF088758.D

Acq: 7 Jul 2016 2:51

Tgt Ion:	252	Resp:	111781
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.0	27.0
125	11.9	11.2	16.8

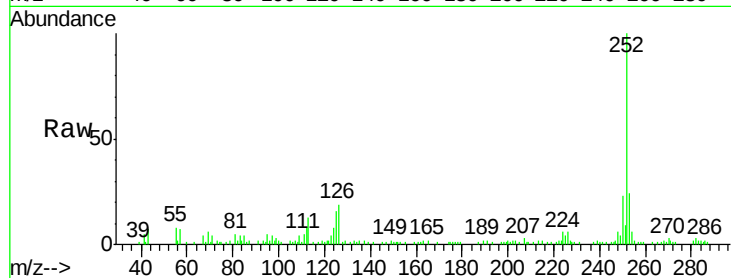




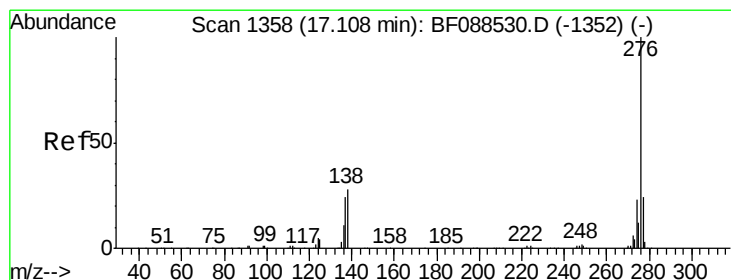
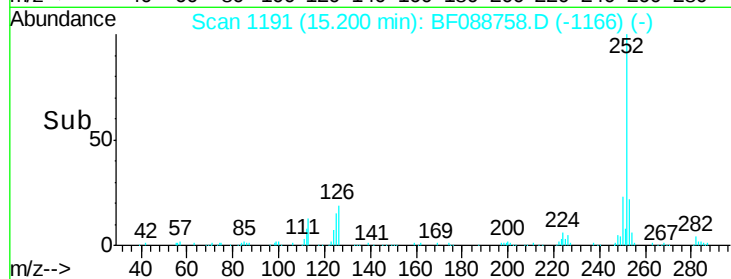
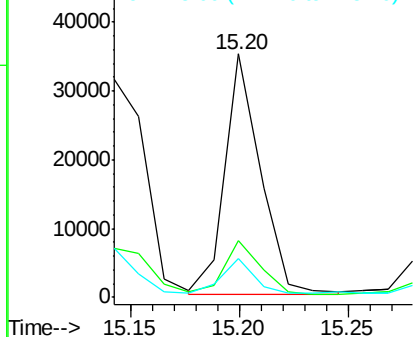
#89
Benzo(a)pyrene
Concen: 4.02 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Instrument :
BNA_F
ClientSampleId :
C2.2-04

Tgt Ion:	252	Resp:	39715
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	15.9	12.5	18.7

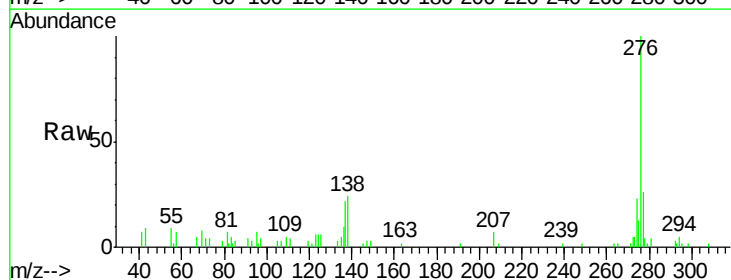


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.89 ng
RT: 16.96 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF088758.D
Acq: 7 Jul 2016 2:51

Tgt Ion:	276	Resp:	33147
Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.9	28.3
138	23.7	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

