

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
 Data File : BF088755.D
 Acq On : 7 Jul 2016 1:23
 Operator : UM/SJ
 Sample : H3880-23
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-02

Quant Time: Jul 07 01:54:38 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

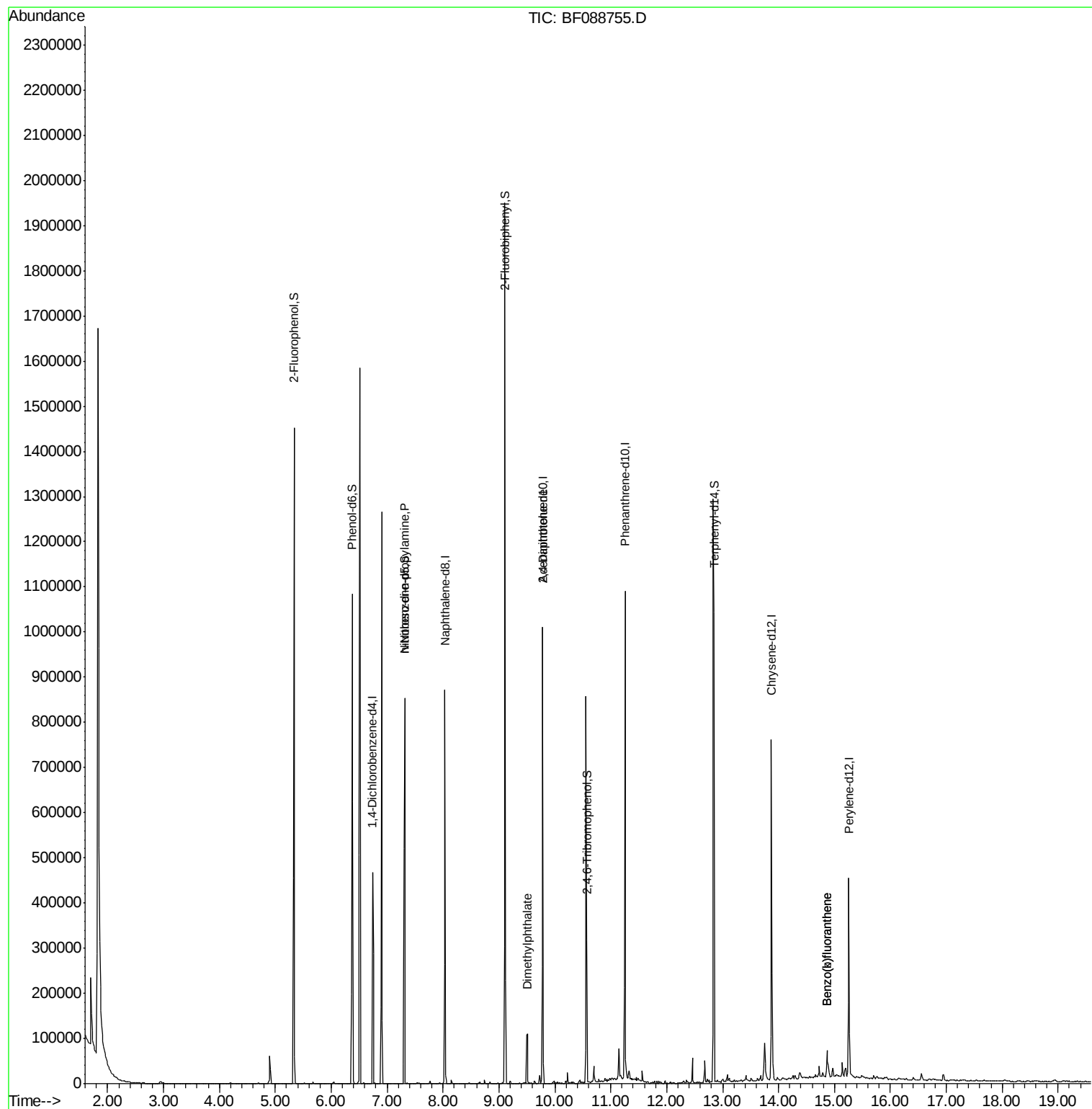
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	87847	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	392244	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	189143	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	355503	20.00	ng	0.00
75) Chrysene-d12	13.87	240	238425	20.00	ng	-0.01
86) Perylene-d12	15.26	264	180183	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	388414	66.26	ng	0.00
7) Phenol-d6	6.38	99	499474	65.95	ng	-0.01
23) Nitrobenzene-d5	7.31	82	352688	47.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	101138	57.58	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	565364	47.21	ng	-0.01
78) Terphenyl-d14	12.85	244	549920	51.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	45995	9.04	ng	# 69
49) Dimethylphthalate	9.51	163	69106	5.13	ng	98
56) 2,4-Dinitrotoluene	9.78	165	24791	6.35	ng	# 38
87) Benzo(b)fluoranthene	14.87	252	36989	3.27	ng	# 96
88) Benzo(k)fluoranthene	14.87	252	36989	3.76	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

Instrument :

BNA_F

ClientSampleId :

C2.2-02

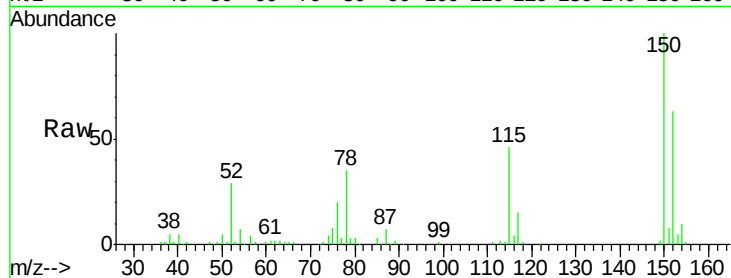
Tgt Ion:152 Resp: 87847

Ion Ratio Lower Upper

152 100

150 158.5 123.8 185.6

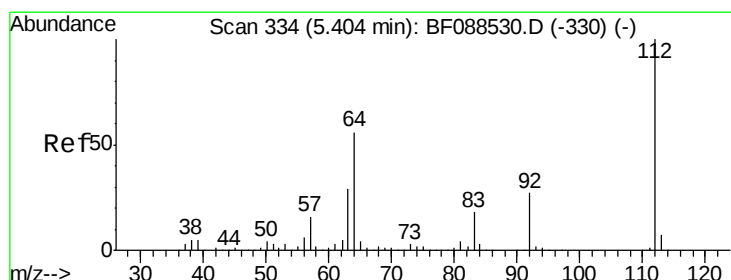
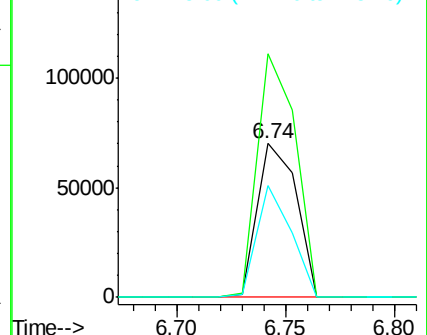
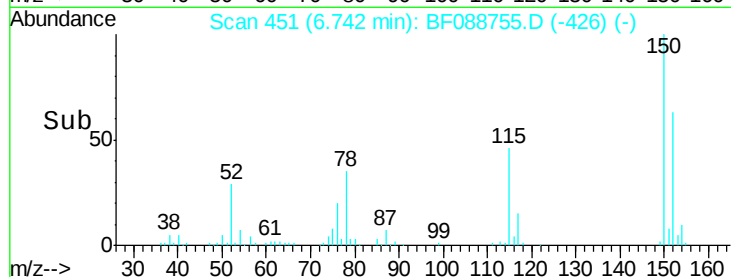
115 73.0 39.6 59.4#



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: 66.26 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.00 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

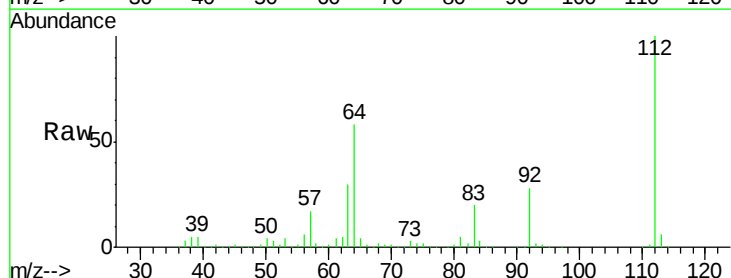
Tgt Ion:112 Resp: 388414

Ion Ratio Lower Upper

112 100

64 57.6 42.2 63.2

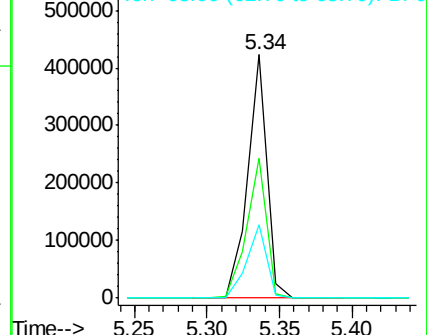
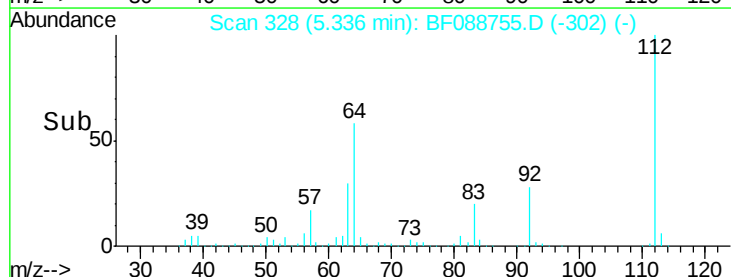
63 30.2 21.8 32.8

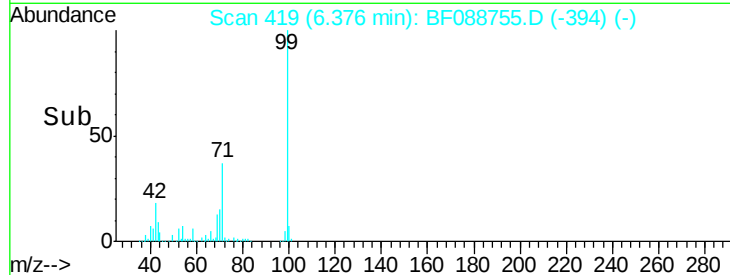
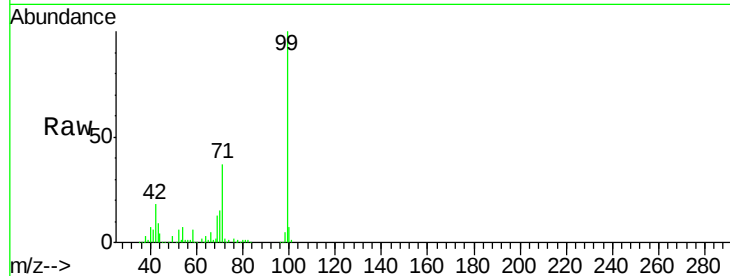


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 65.95 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

Instrument :

BNA_F

ClientSampleId :

C2.2-02

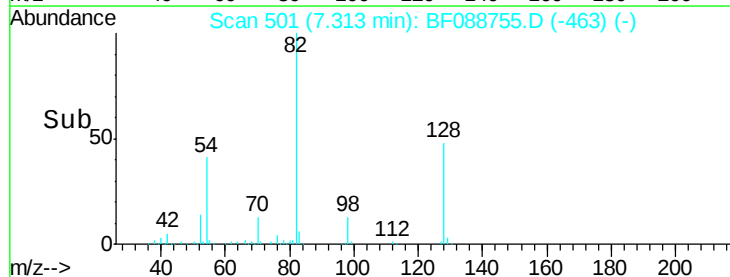
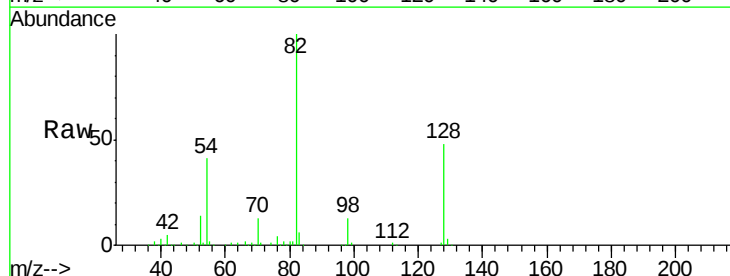
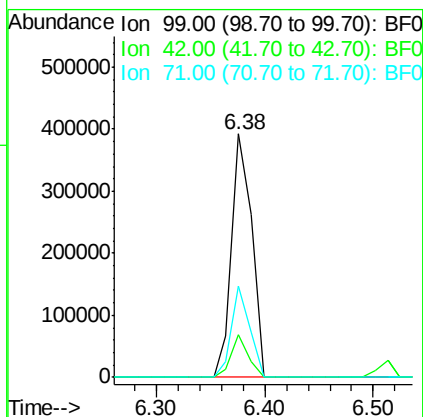
Tgt Ion: 99 Resp: 499474

Ion Ratio Lower Upper

99 100

42 17.6 12.2 18.2

71 37.3 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 9.04 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.14 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

Tgt Ion: 70 Resp: 45995

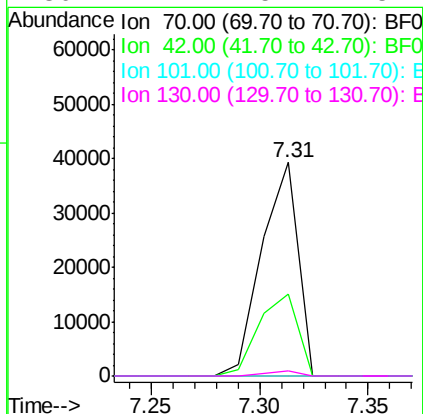
Ion Ratio Lower Upper

70 100

42 38.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

Instrument :

BNA_F

ClientSampleId :

C2.2-02

Tgt Ion:136 Resp: 392244

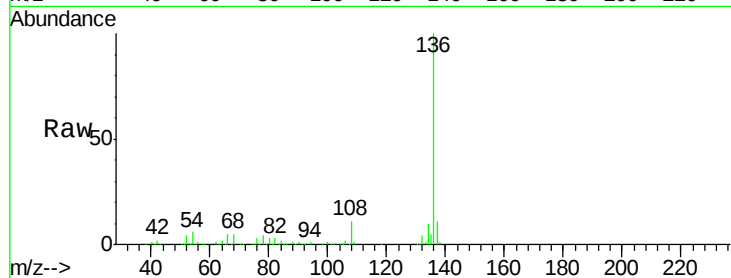
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.4 6.6 10.0#

68 5.5 5.1 7.7

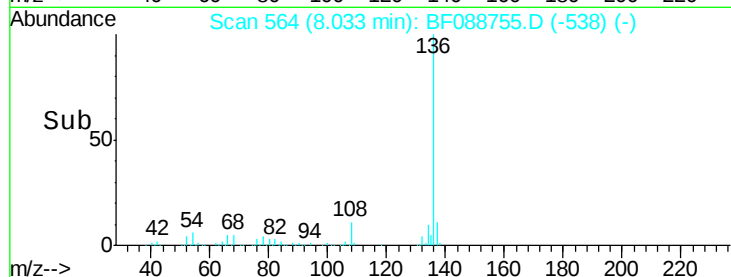


Abundance Ion 136.00 (135.70 to 136.70): E

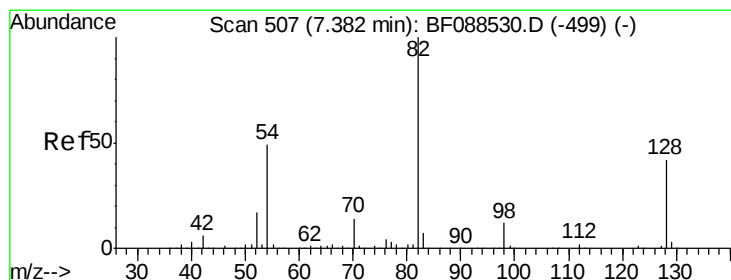
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 47.12 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

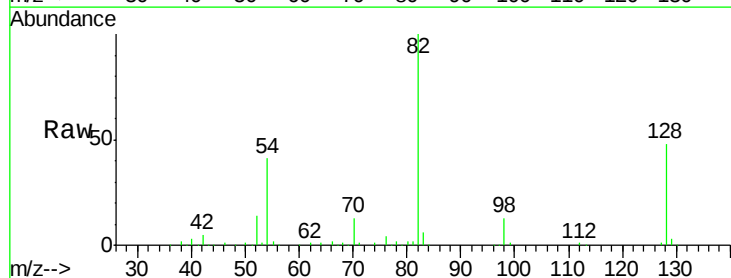
Tgt Ion: 82 Resp: 352688

Ion Ratio Lower Upper

82 100

128 48.1 35.9 53.9

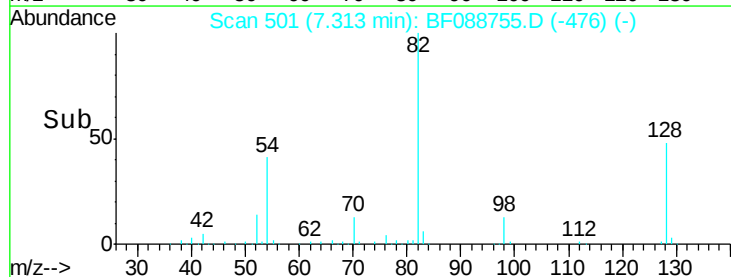
54 41.3 40.9 61.3



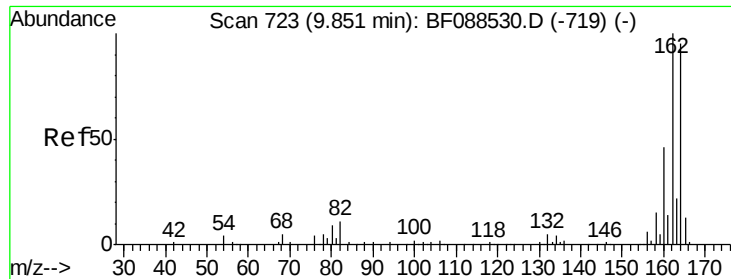
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

Instrument :

BNA_F

ClientSampleId :

C2.2-02

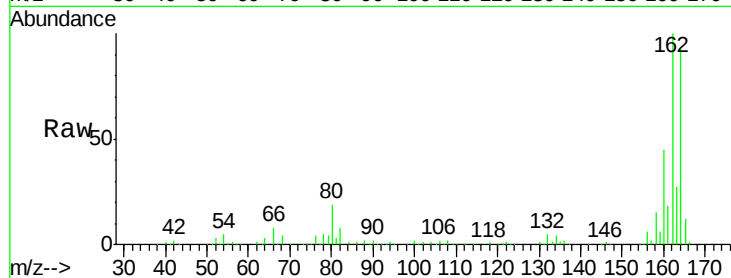
Tgt Ion:164 Resp: 189143

Ion Ratio Lower Upper

164 100

162 107.3 85.4 128.2

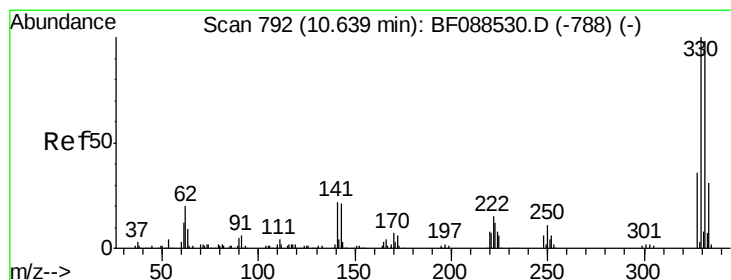
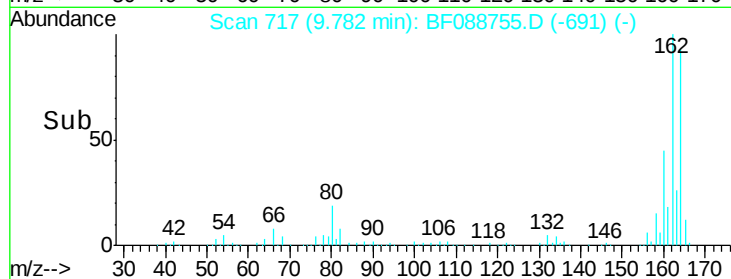
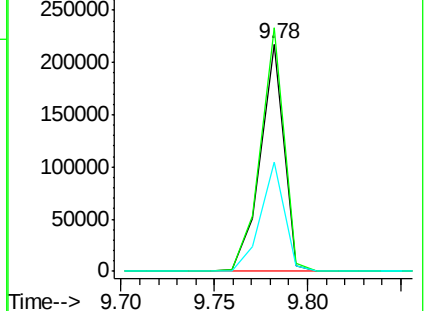
160 48.3 39.5 59.3



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: 57.58 ng

RT: 10.57 min Scan# 786

Delta R.T. -0.00 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

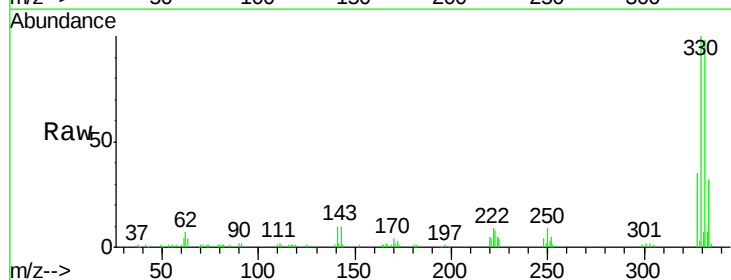
Tgt Ion:330 Resp: 101138

Ion Ratio Lower Upper

330 100

332 97.1 0.0 0.0#

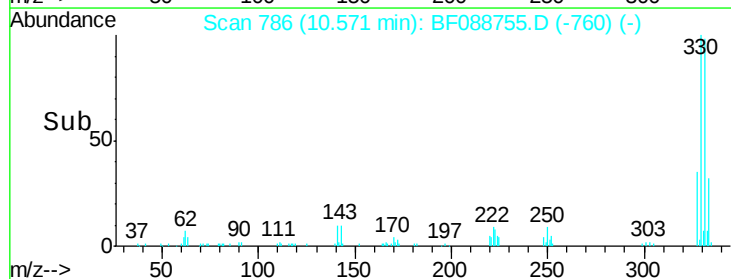
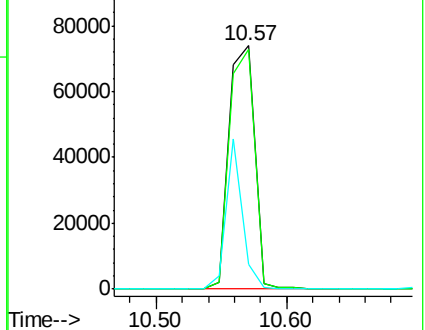
141 39.4 0.0 0.0#

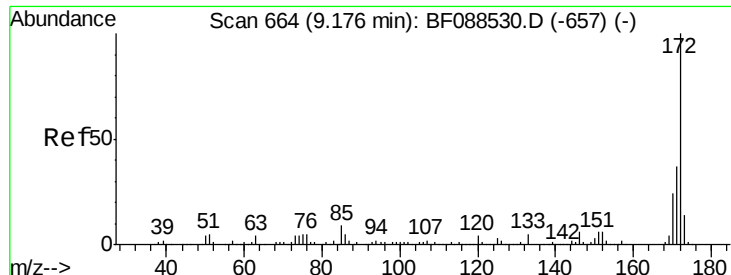


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

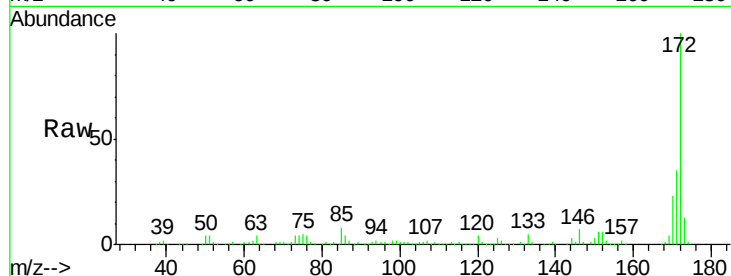




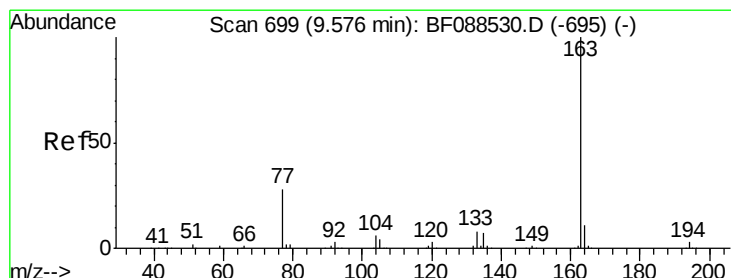
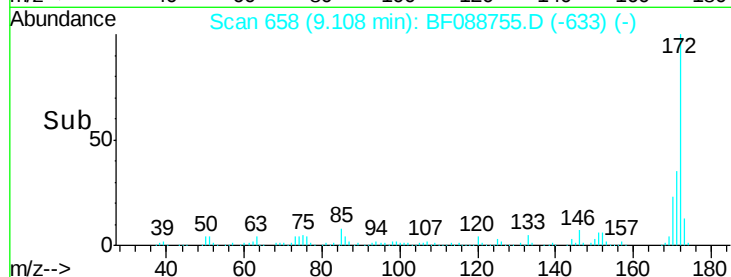
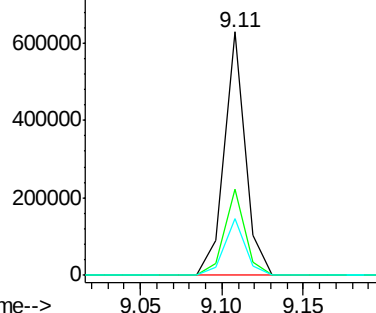
#44
 2-Fluorobiphenyl
 Concen: 47.21 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF088755.D
 Acq: 7 Jul 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-02

Tgt Ion:172 Resp: 565364
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.5 19.2 28.8

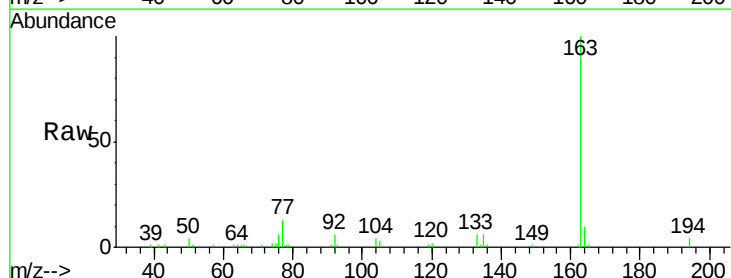


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

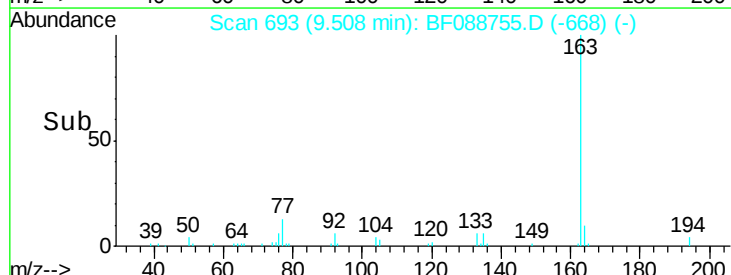
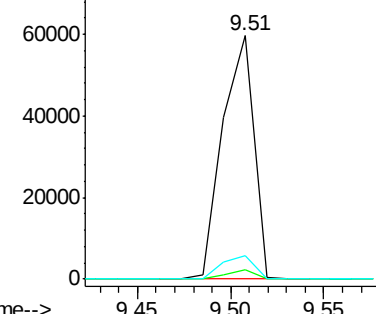


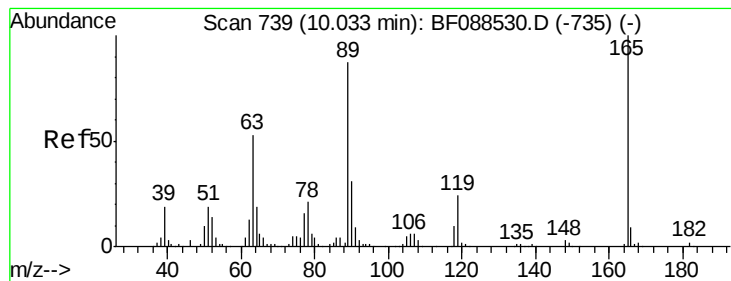
#49
 Dimethylphthalate
 Concen: 5.13 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF088755.D
 Acq: 7 Jul 2016 1:23

Tgt Ion:163 Resp: 69106
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.8 4.2
 164 9.8 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: 6.35 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.19 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

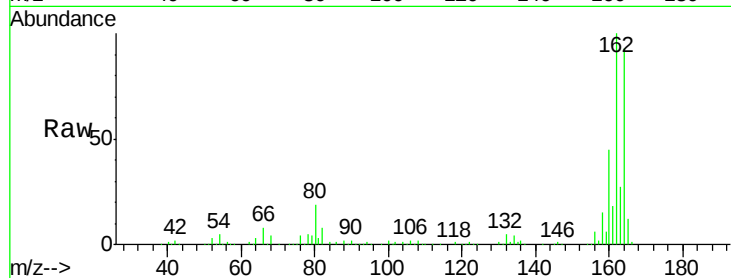
Instrument :

BNA_F

ClientSampleId :

C2.2-02

Tgt Ion:	165	Resp:	24791
Ion Ratio	Lower	Upper	
165	100		
63	1.3	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

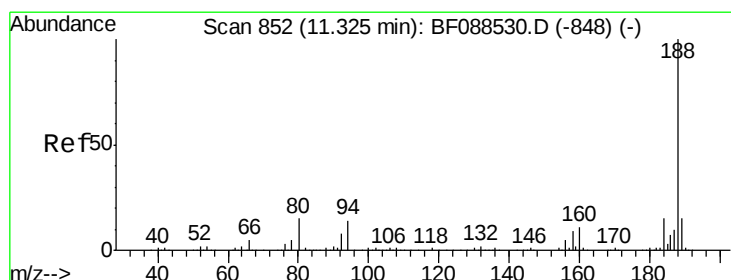
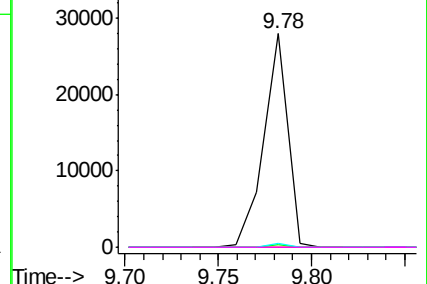
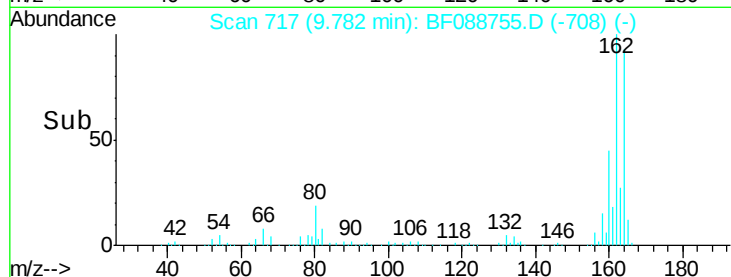


Abundance Ion 165.00 (164.70 to 165.70): E

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

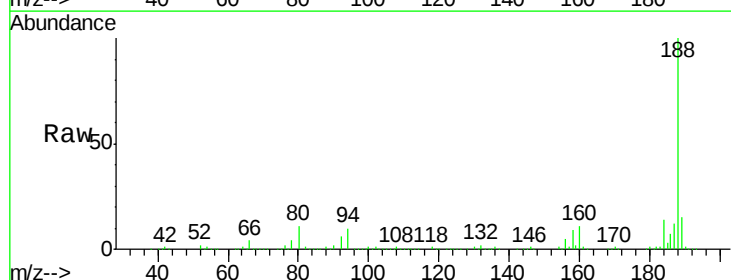
RT: 11.26 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

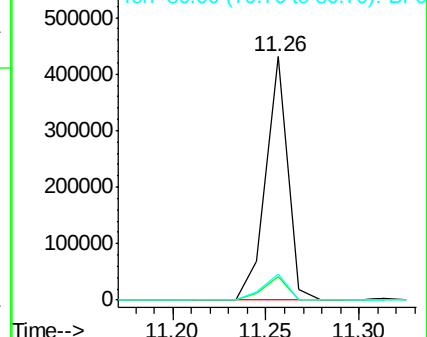
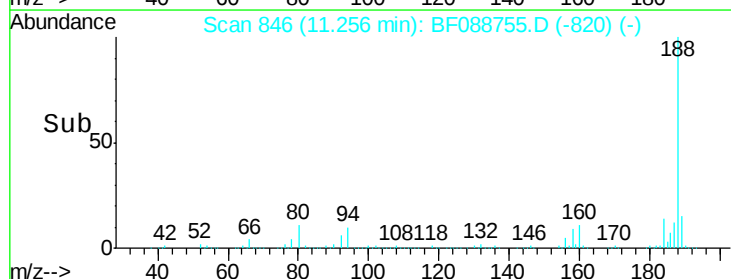
Tgt Ion:	188	Resp:	355503
Ion Ratio	Lower	Upper	
188	100		
94	9.6	9.0	13.6
80	10.9	10.0	15.0



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

Instrument :

BNA_F

ClientSampleId :

C2.2-02

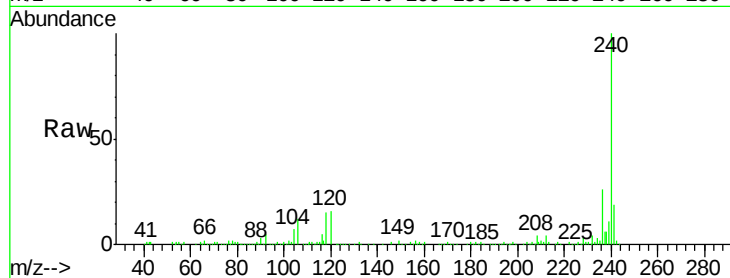
Tgt Ion:240 Resp: 238425

Ion Ratio Lower Upper

240 100

120 15.6 6.8 10.2#

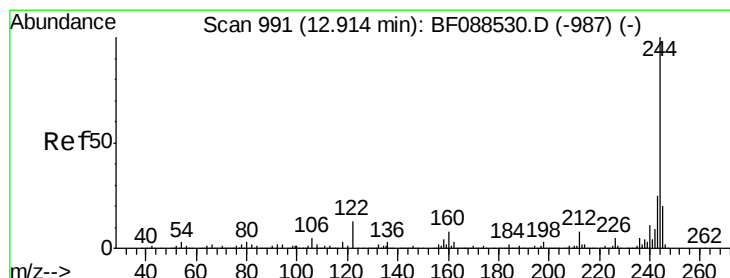
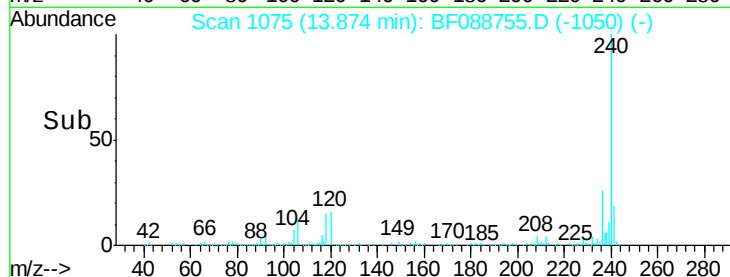
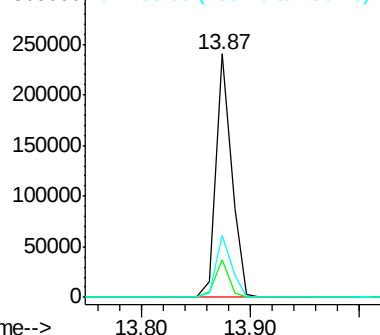
236 25.5 20.2 30.2



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



#78

Terphenyl-d14

Concen: 51.37 ng

RT: 12.85 min Scan# 985

Delta R.T. -0.00 min

Lab File: BF088755.D

Acq: 7 Jul 2016 1:23

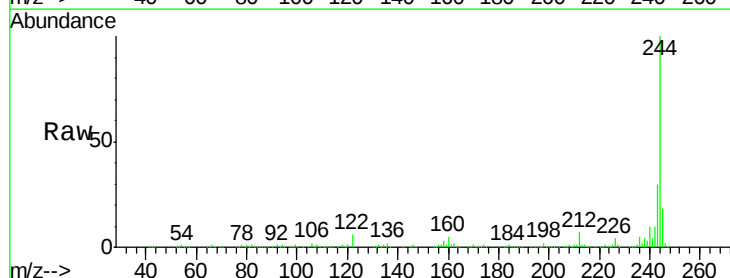
Tgt Ion:244 Resp: 549920

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

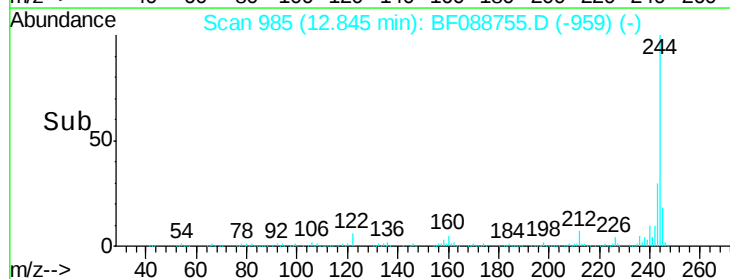
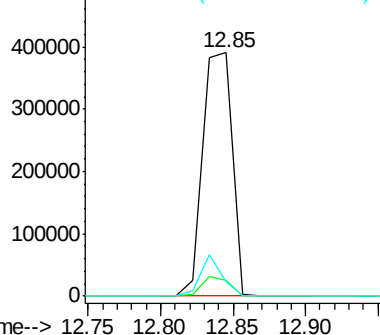
122 5.9 11.2 16.8#

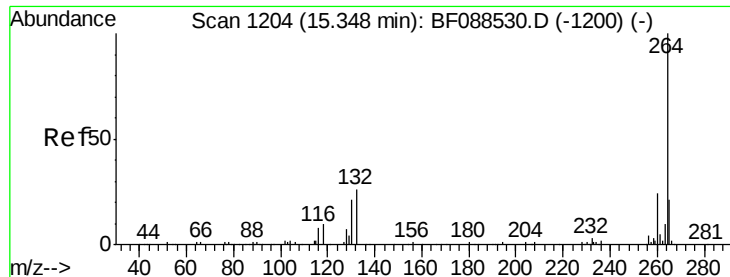


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

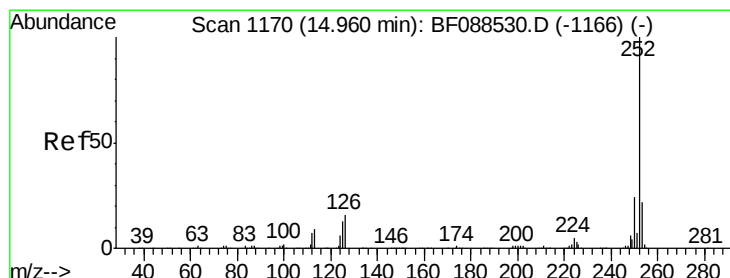
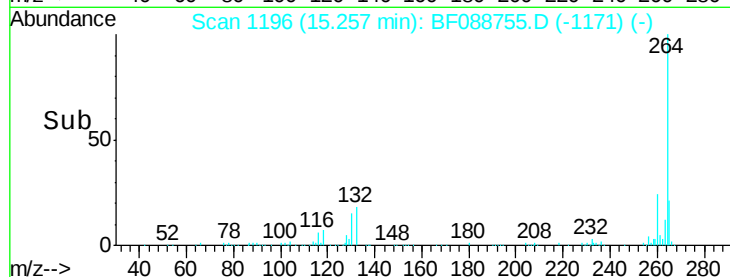
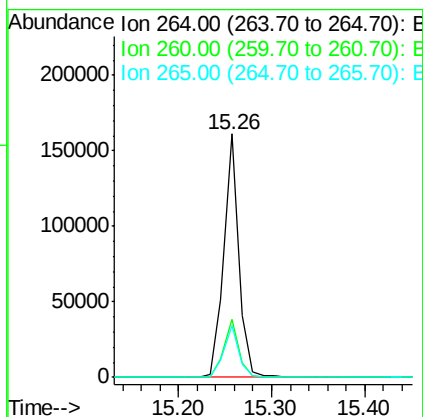
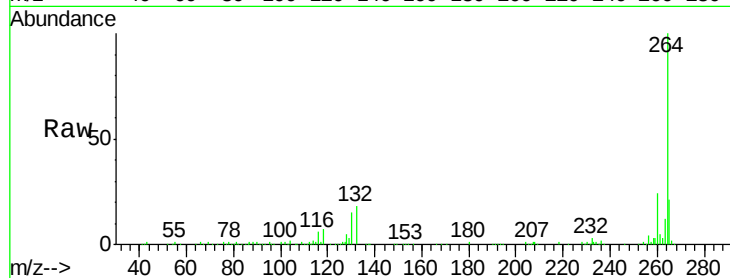




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF088755.D
Acq: 7 Jul 2016 1:23

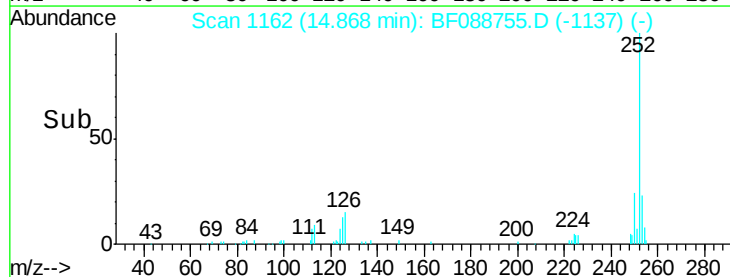
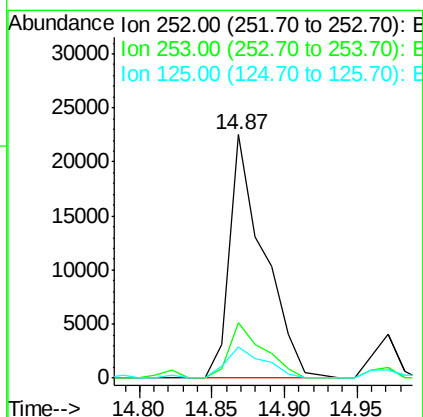
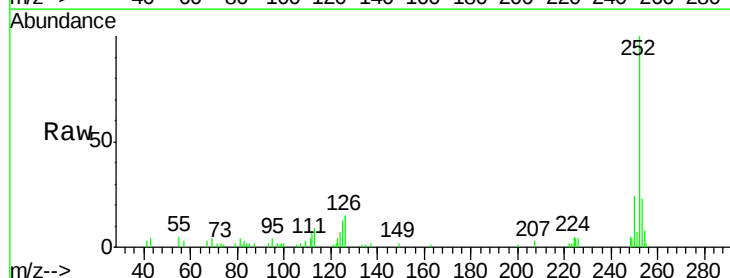
Instrument :
BNA_F
ClientSampleId :
C2.2-02

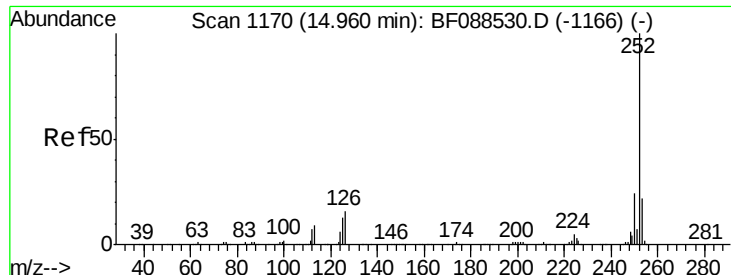
Tgt Ion: 264 Resp: 180183
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.3 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 3.27 ng
RT: 14.87 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF088755.D
Acq: 7 Jul 2016 1:23

Tgt Ion: 252 Resp: 36989
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 12.8 7.1 10.7#





#88
 Benzo(k)fluoranthene
 Concen: 3.76 ng
 RT: 14.87 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF088755.D
 Acq: 7 Jul 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	12.8	11.2	16.8

