

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
 Data File : BF088763.D
 Acq On : 7 Jul 2016 5:17
 Operator : UM/SJ
 Sample : H3878-19
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2.1-07

Quant Time: Jul 07 06:41:19 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	82039	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	349978	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	152909	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	242777	20.00	ng	0.00
75) Chrysene-d12	13.89	240	175124	20.00	ng	0.00
86) Perylene-d12	15.27	264	167276	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	309127	56.47	ng	0.00
7) Phenol-d6	6.39	99	419222	59.27	ng	0.00
23) Nitrobenzene-d5	7.31	82	277345	41.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	78483	55.27	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	404367	41.77	ng	-0.01
78) Terphenyl-d14	12.85	244	311178	39.58	ng	0.00

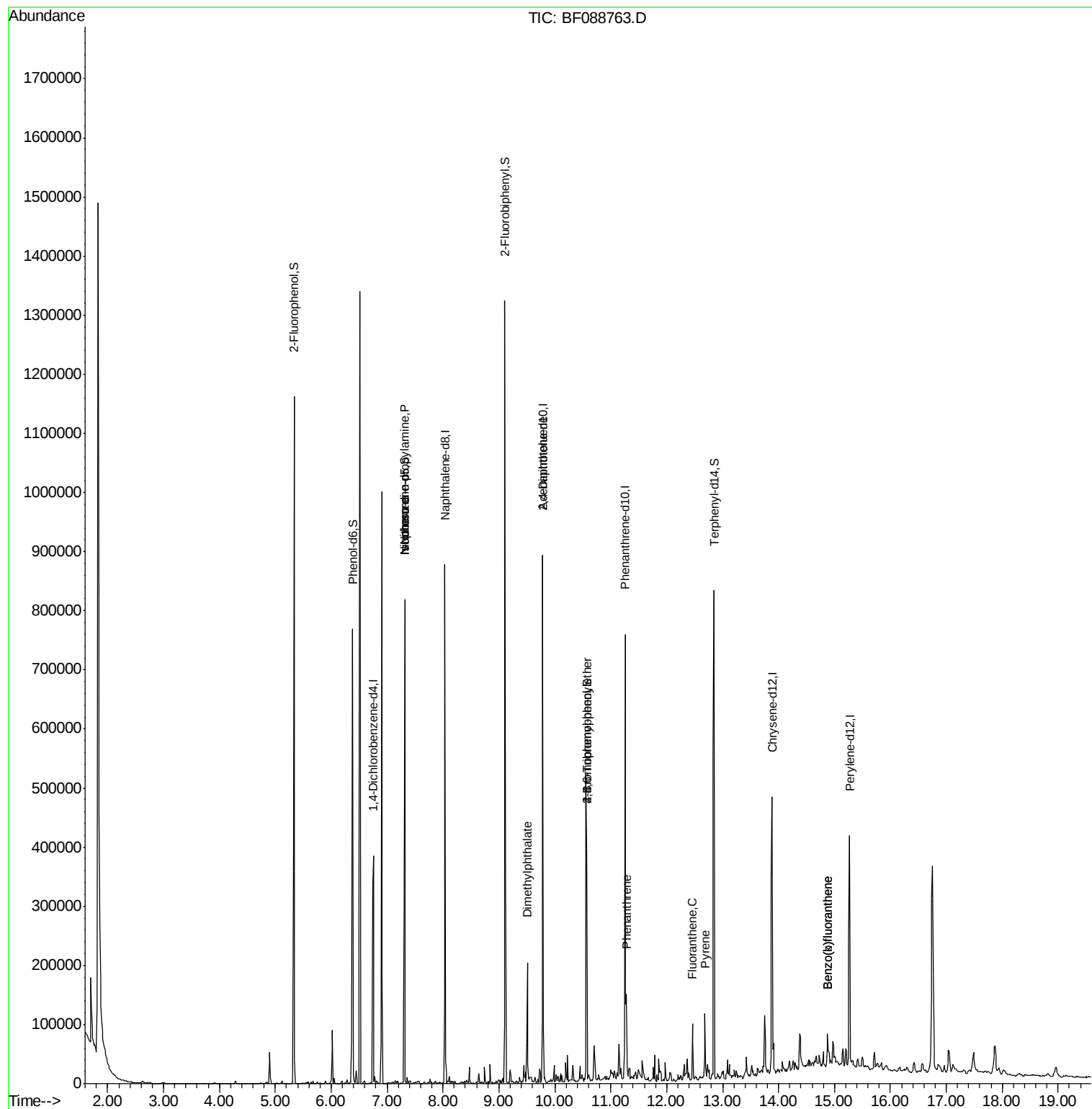
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	36743	7.73	ng	# 69
25) Isophorone	7.31	82	204055	16.49	ng	# 65
49) Dimethylphthalate	9.51	163	83951	7.71	ng	99
56) 2,4-Dinitrotoluene	9.78	165	20438	6.47	ng	# 38
66) 4-Bromophenyl-phenylether	10.57	248	4908	2.01	ng	# 1
70) Phenanthrene	11.28	178	47051	3.55	ng	99
74) Fluoranthene	12.46	202	45580	3.39	ng	94
77) Pyrene	12.69	202	43638	2.94	ng	98
87) Benzo(b)fluoranthene	14.88	252	33918	3.23	ng	# 94
88) Benzo(k)fluoranthene	14.88	252	33918	3.71	ng	99

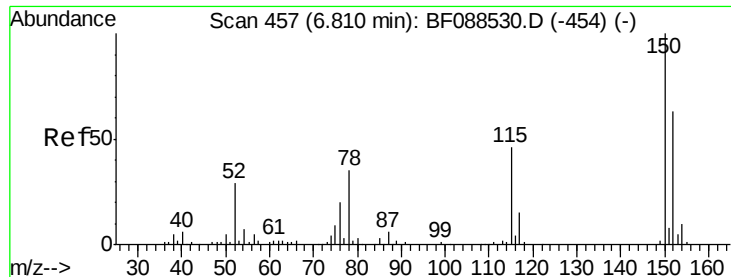
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

Instrument :

BNA_F

ClientSampleId :

C2.1-07

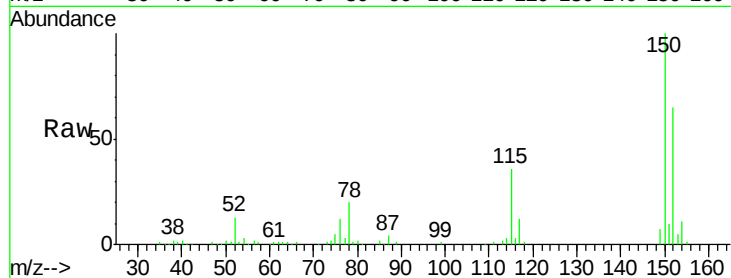
Tgt Ion:152 Resp: 82039

Ion Ratio Lower Upper

152 100

150 153.2 123.8 185.6

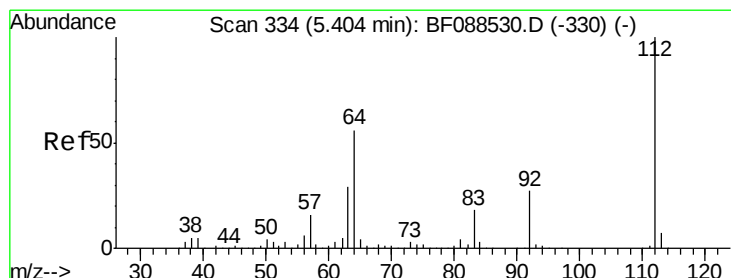
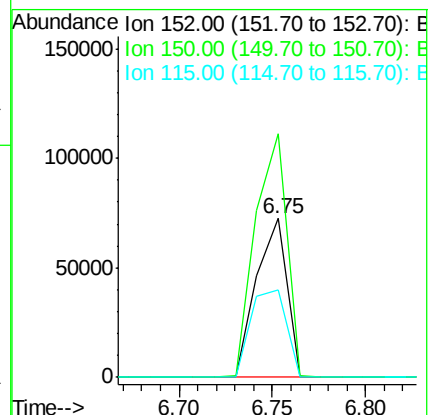
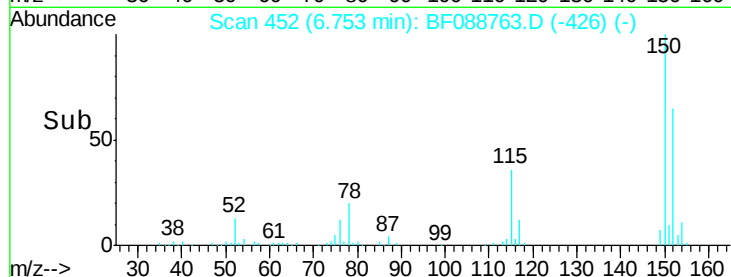
115 54.8 39.6 59.4



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: 56.47 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.00 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

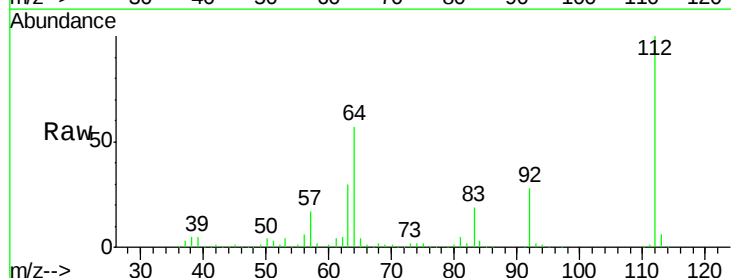
Tgt Ion:112 Resp: 309127

Ion Ratio Lower Upper

112 100

64 56.7 42.2 63.2

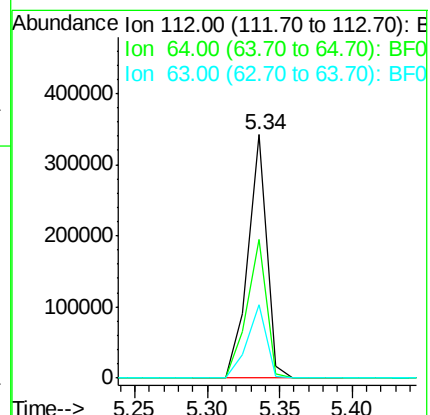
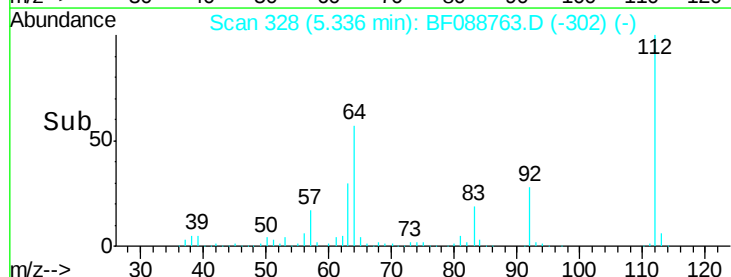
63 30.0 21.8 32.8

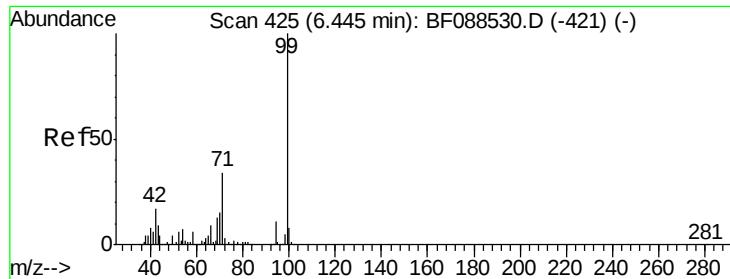


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 59.27 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

Instrument :

BNA_F

ClientSampleId :

C2.1-07

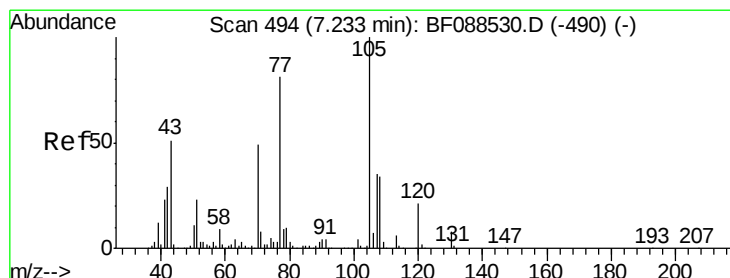
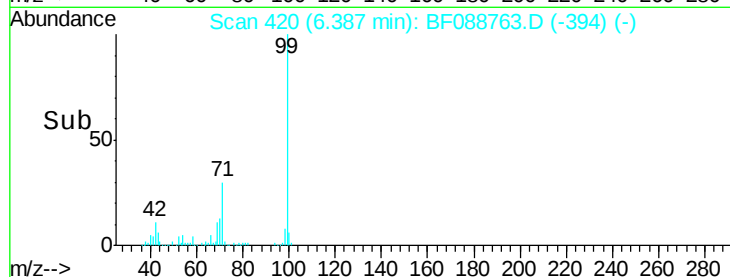
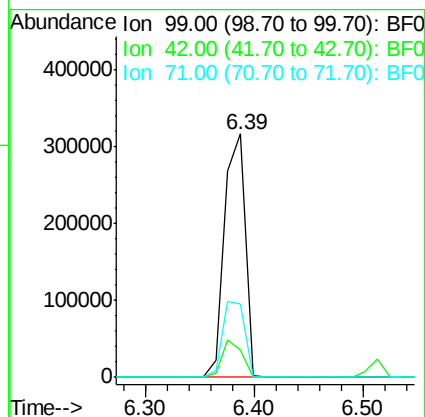
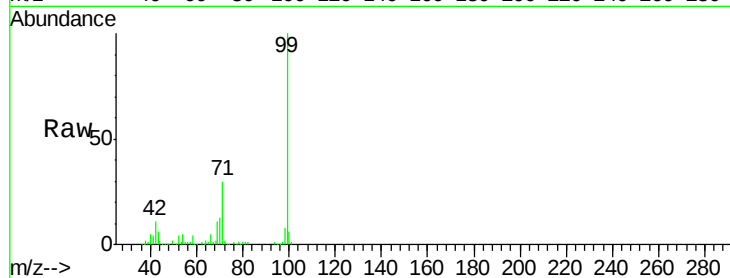
Tgt Ion: 99 Resp: 419222

Ion Ratio Lower Upper

99 100

42 11.4 12.2 18.2#

71 29.9 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.73 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.14 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

Tgt Ion: 70 Resp: 36743

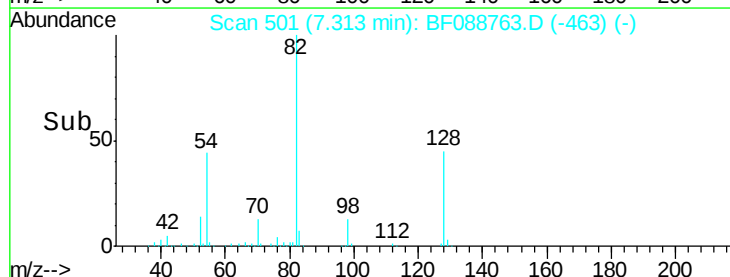
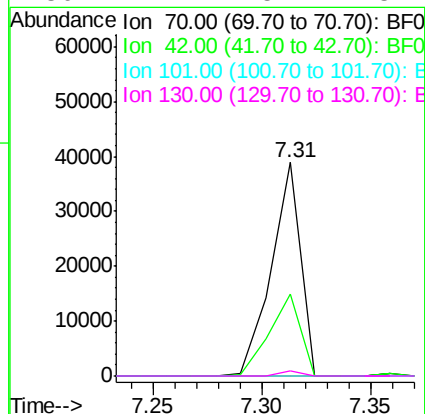
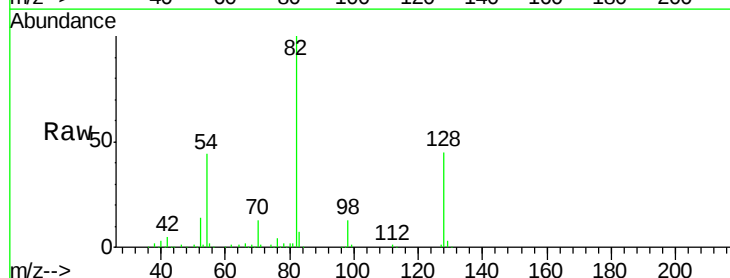
Ion Ratio Lower Upper

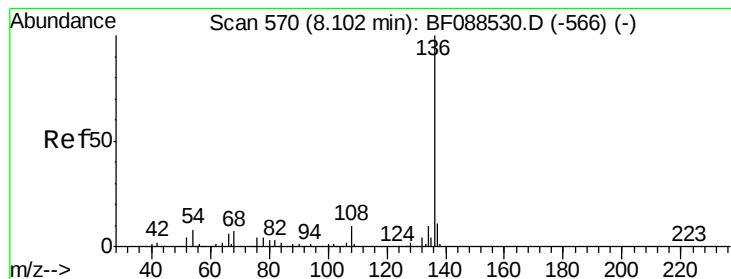
70 100

42 38.7 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 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: BF088763.D

Acq: 7 Jul 2016 5:17

Instrument :

BNA_F

ClientSampleId :

C2.1-07

Tgt Ion: 136 Resp: 349978

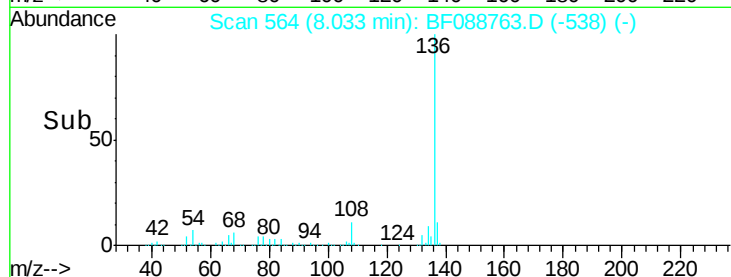
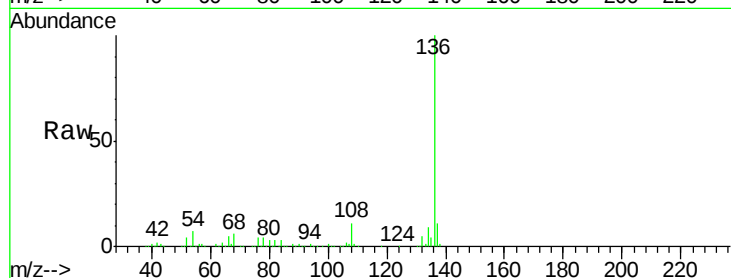
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 7.0 6.6 10.0

68 5.9 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-->

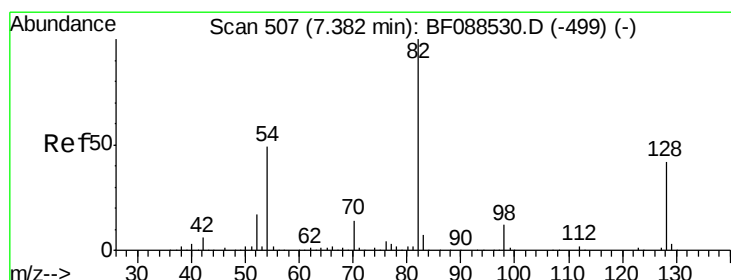
8.03

400000

200000

0

7.95 8.00 8.05



#23

Nitrobenzene-d5

Concen: 41.53 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

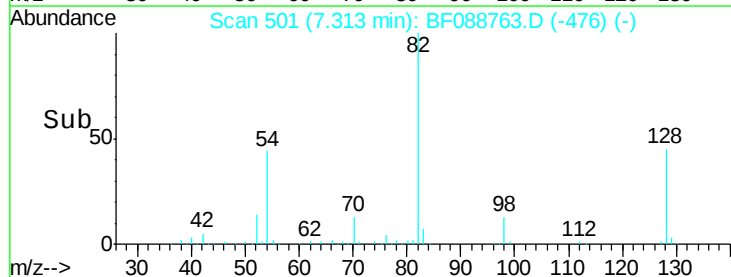
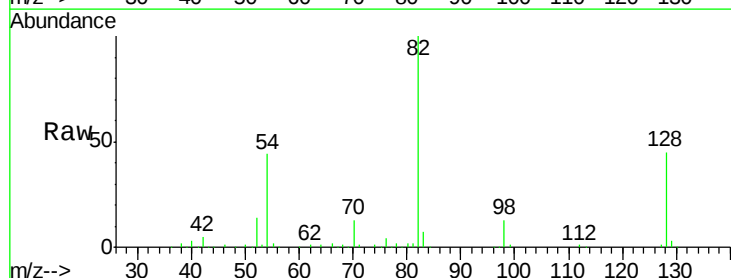
Tgt Ion: 82 Resp: 277345

Ion Ratio Lower Upper

82 100

128 45.3 35.9 53.9

54 43.5 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-->

7.31

400000

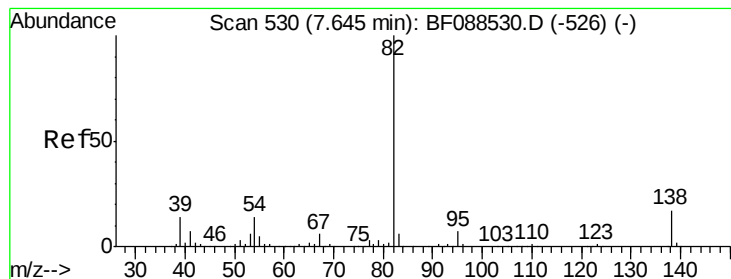
300000

200000

100000

0

7.25 7.30 7.35



#25

Isophorone

Concen: 16.49 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.26 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

Instrument :

BNA_F

ClientSampleId :

C2.1-07

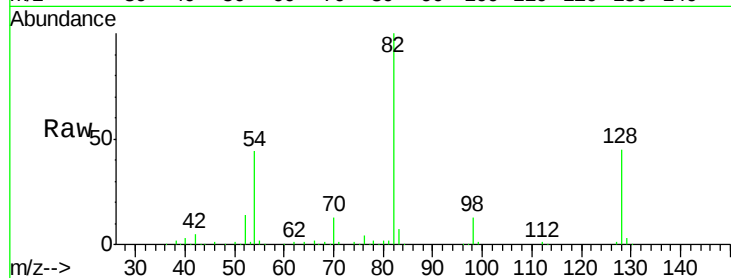
Tgt Ion: 82 Resp: 204055

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#

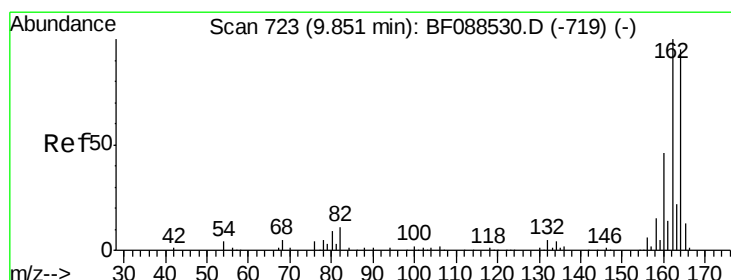
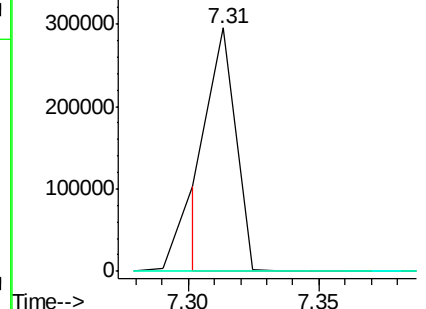
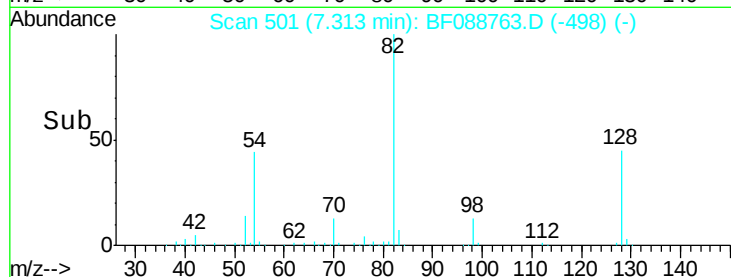


Abundance Ion 82.00 (81.70 to 82.70): BF088763.D (-498) (-)

Ion 95.00 (94.70 to 95.70): BF088763.D (-498) (-)

Ion 138.00 (137.70 to 138.70): BF088763.D (-498) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

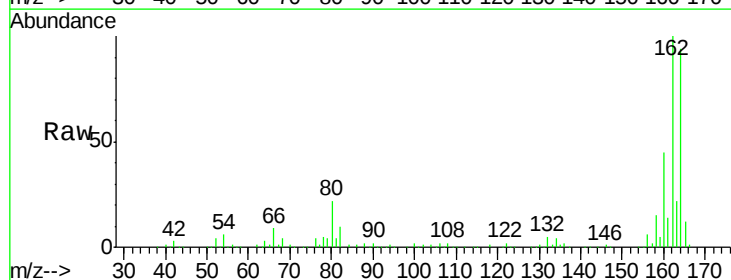
Tgt Ion: 164 Resp: 152909

Ion Ratio Lower Upper

164 100

162 106.6 85.4 128.2

160 47.8 39.5 59.3

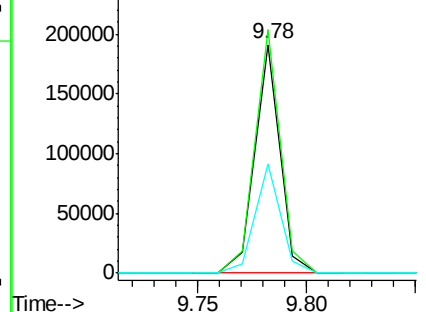
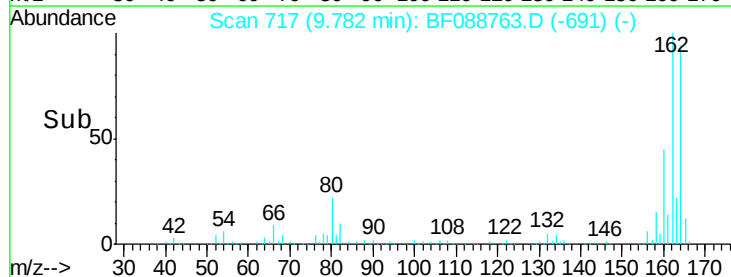


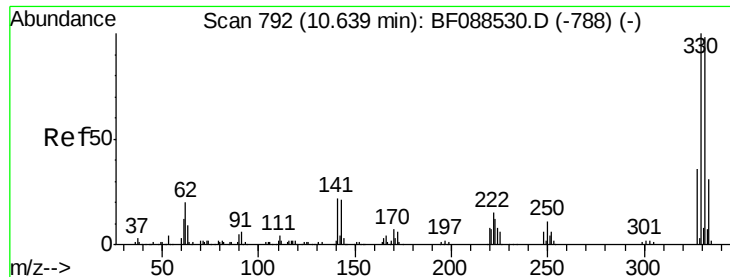
Abundance Ion 164.00 (163.70 to 164.70): BF088763.D (-691) (-)

Ion 162.00 (161.70 to 162.70): BF088763.D (-691) (-)

Ion 160.00 (159.70 to 160.70): BF088763.D (-691) (-)

Time-->

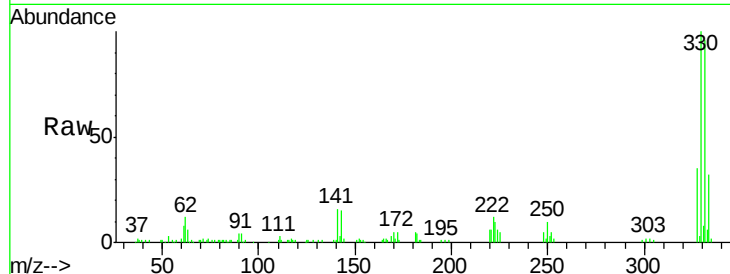




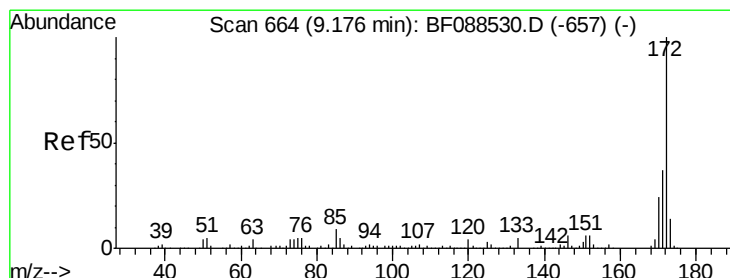
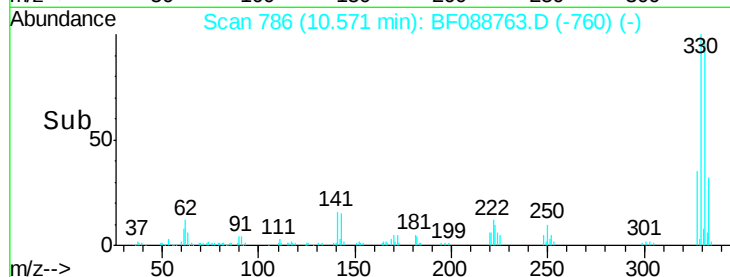
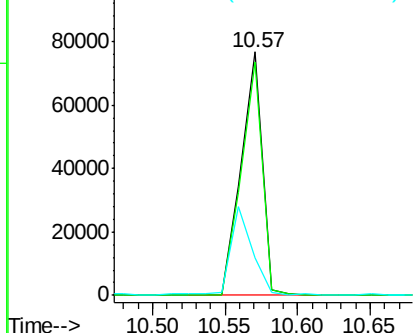
#41
 2,4,6-Tribromophenol
 Concen: 55.27 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF088763.D
 Acq: 7 Jul 2016 5:17

Instrument :
 BNA_F
 ClientSampleId :
 C2.1-07

Tgt Ion: 330 Resp: 78483
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 38.7 0.0 0.0#

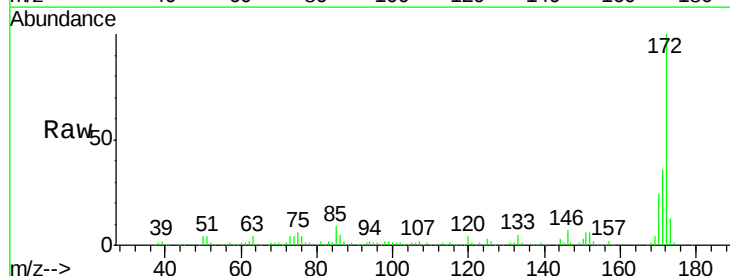


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

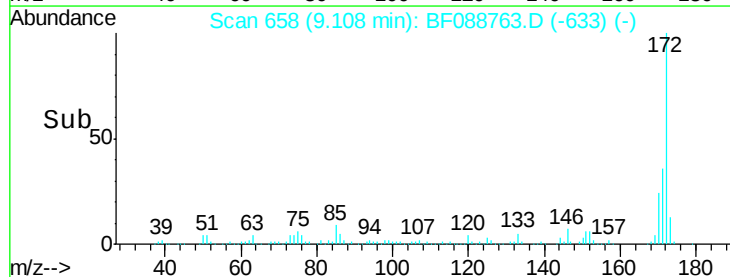
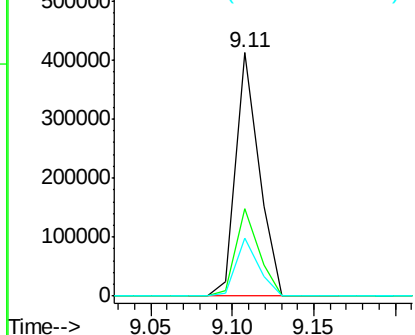


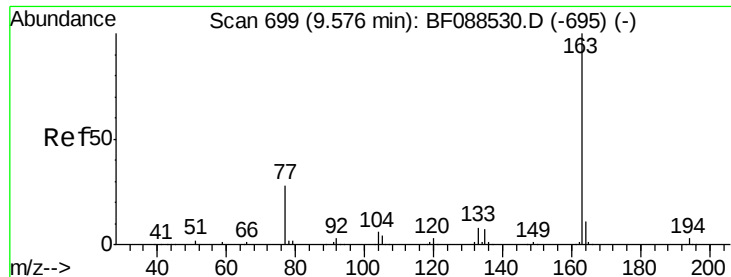
#44
 2-Fluorobiphenyl
 Concen: 41.77 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF088763.D
 Acq: 7 Jul 2016 5:17

Tgt Ion: 172 Resp: 404367
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.6 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: 7.71 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

Instrument :

BNA_F

ClientSampled :

C2.1-07

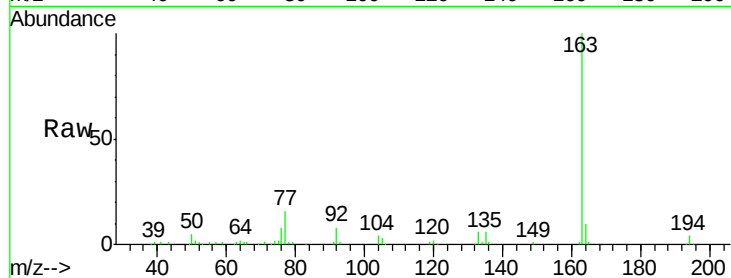
Tgt Ion:163 Resp: 83951

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

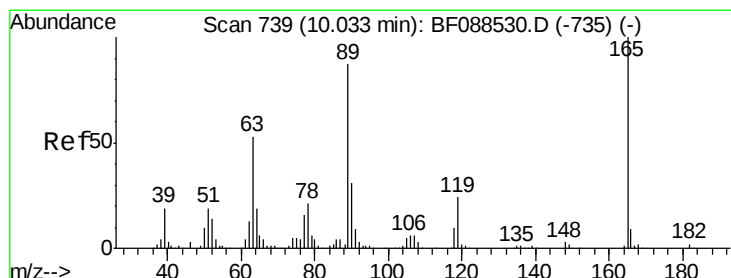
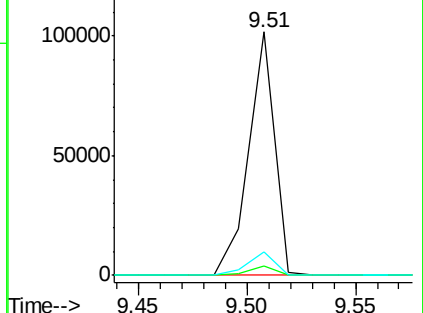
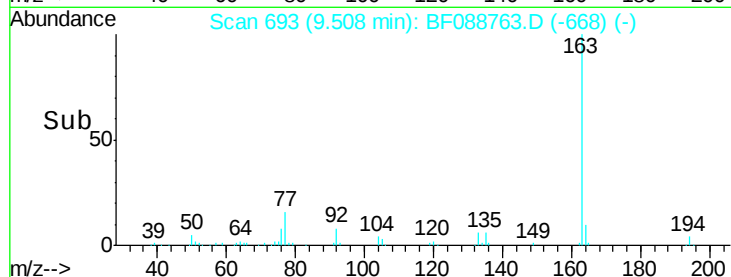
164 9.7 8.3 12.5



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: 6.47 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.19 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

Tgt Ion:165 Resp: 20438

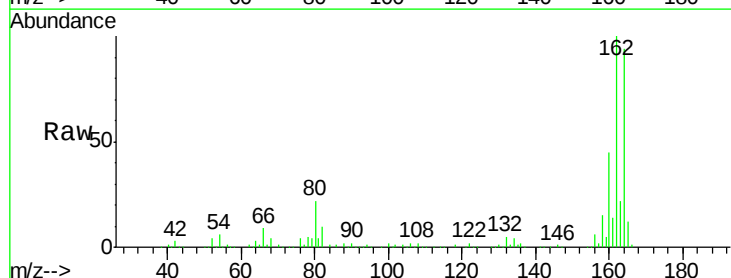
Ion Ratio Lower Upper

165 100

63 1.5 22.0 33.0#

89 2.1 41.1 61.7#

182 0.0 2.0 3.0#

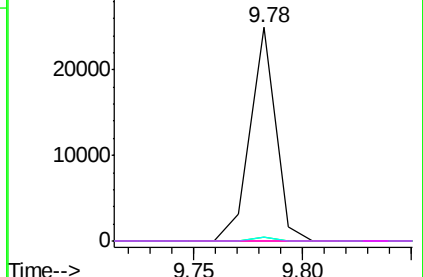
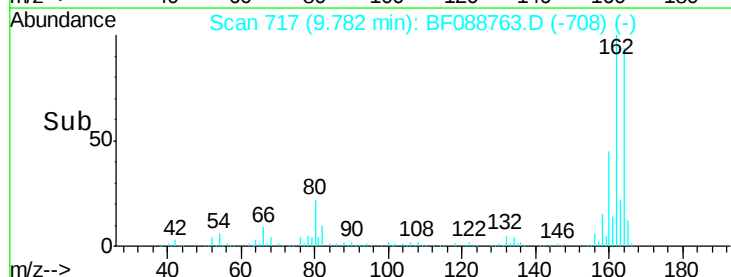


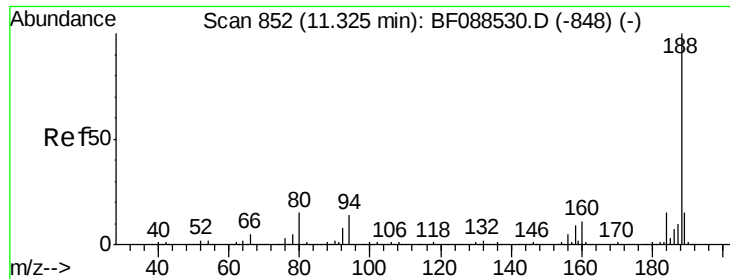
Abundance Ion 165.00 (164.70 to 165.70): E

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

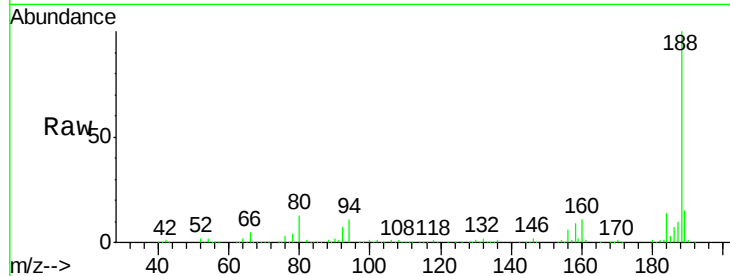




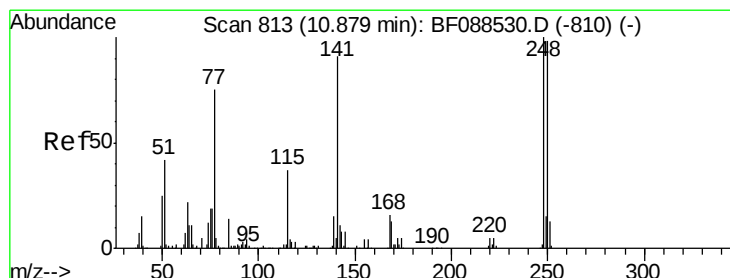
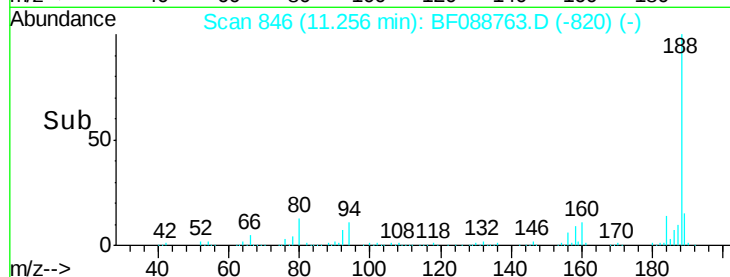
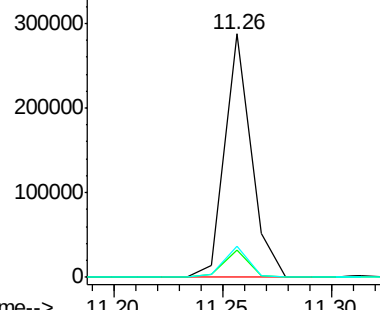
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BF088763.D
 Acq: 7 Jul 2016 5:17

Instrument :
 BNA_F
 ClientSampleId :
 C2.1-07

Tgt Ion:188 Resp: 242777
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.0 13.6
 80 13.0 10.0 15.0

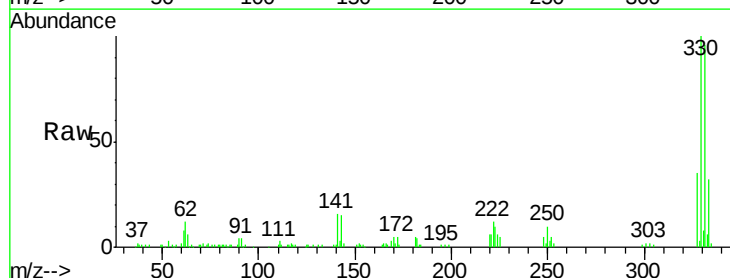


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

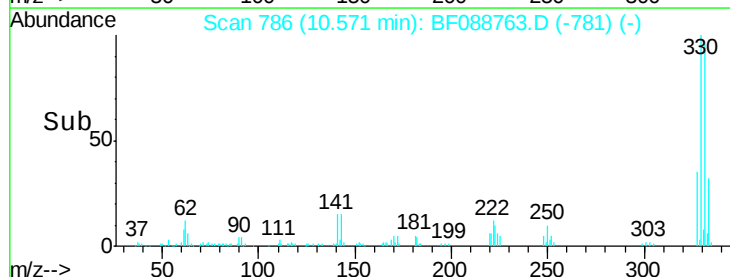
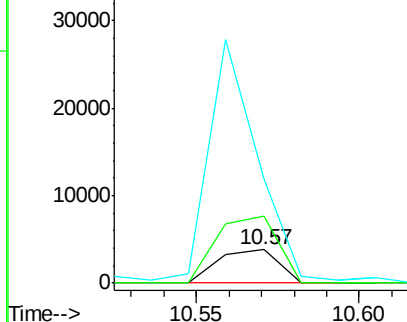


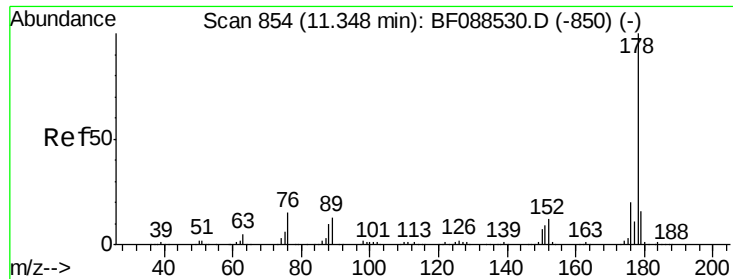
#66
 4-Bromophenyl-phenylether
 Concen: 2.01 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.24 min
 Lab File: BF088763.D
 Acq: 7 Jul 2016 5:17

Tgt Ion:248 Resp: 4908
 Ion Ratio Lower Upper
 248 100
 250 200.6 77.1 115.7#
 141 311.4 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

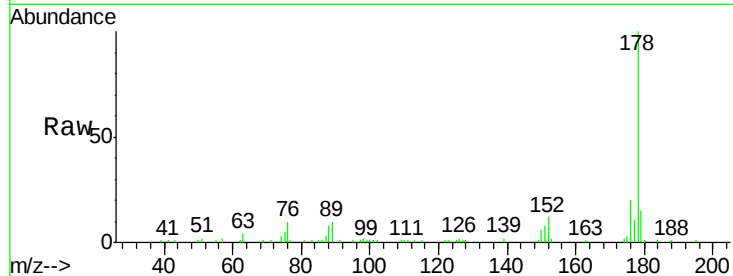




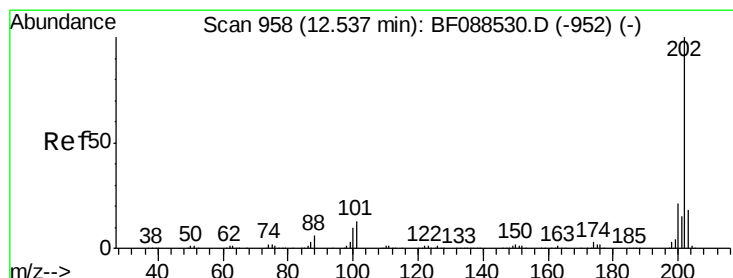
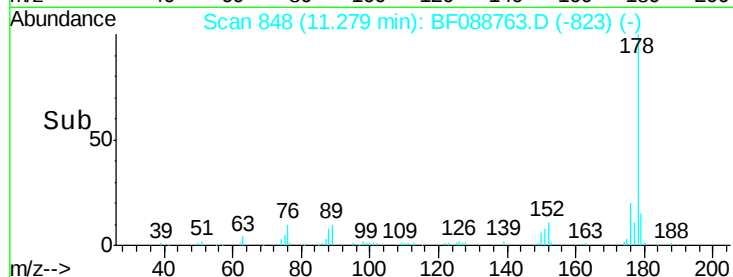
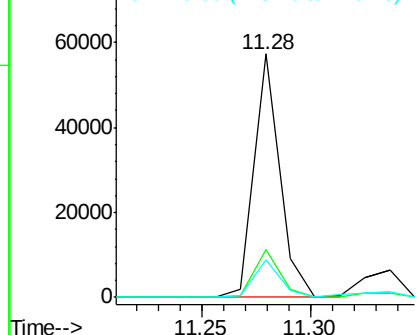
#70
Phenanthrene
Concen: 3.55 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088763.D
Acq: 7 Jul 2016 5:17

Instrument :
BNA_F
ClientSampleId :
C2.1-07

Tgt Ion:178 Resp: 47051
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.3 13.0 19.4

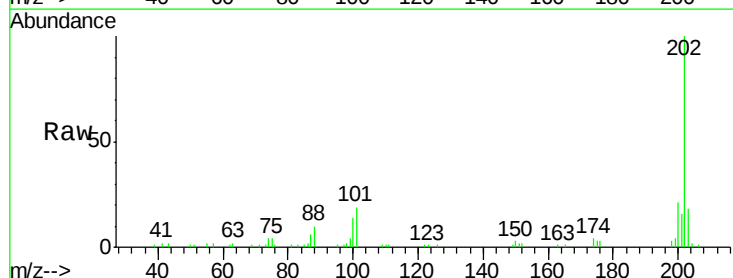


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

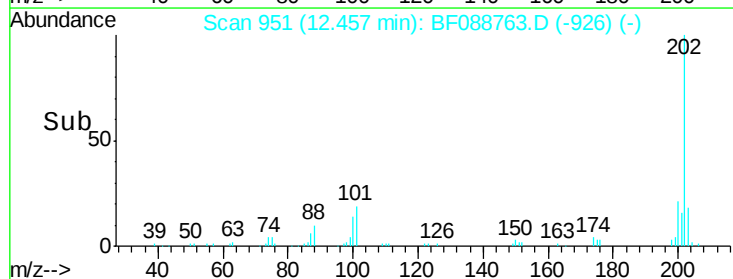
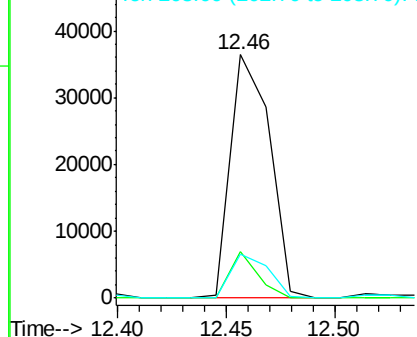


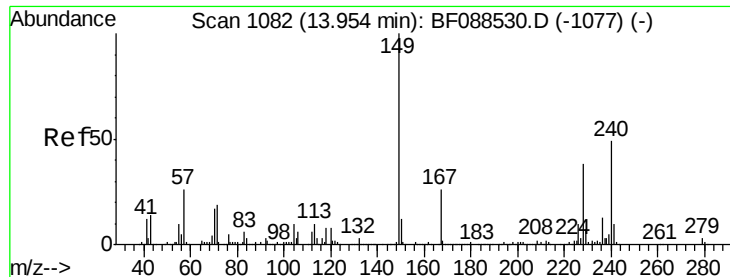
#74
Fluoranthene
Concen: 3.39 ng
RT: 12.46 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF088763.D
Acq: 7 Jul 2016 5:17

Tgt Ion:202 Resp: 45580
Ion Ratio Lower Upper
202 100
101 18.9 0.0 33.1
203 17.9 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: BF088763.D

Acq: 7 Jul 2016 5:17

Instrument :

BNA_F

ClientSampleId :

C2.1-07

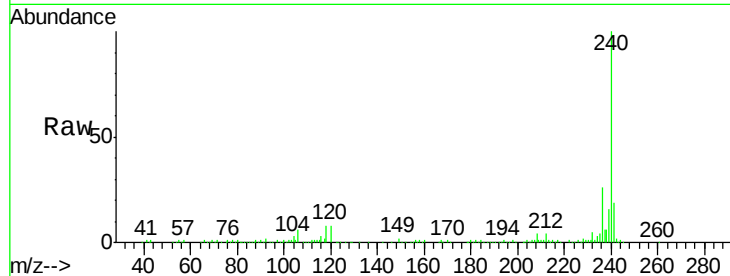
Tgt Ion:240 Resp: 175124

Ion Ratio Lower Upper

240 100

120 8.5 6.8 10.2

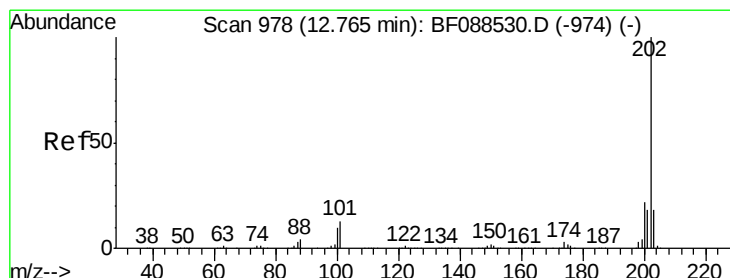
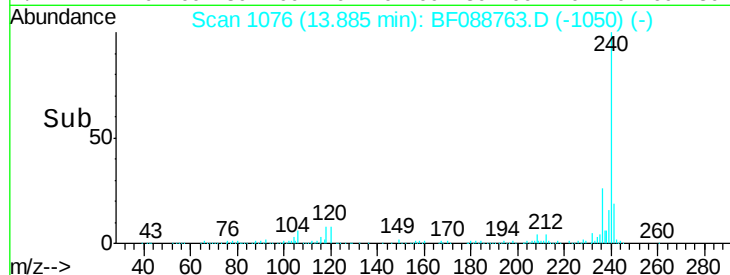
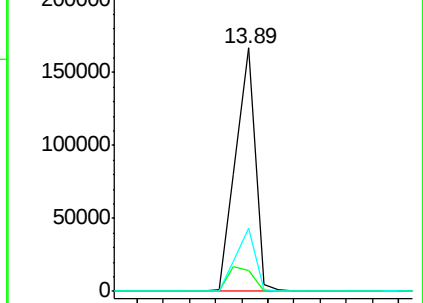
236 25.7 20.2 30.2



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: 2.94 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088763.D

Acq: 7 Jul 2016 5:17

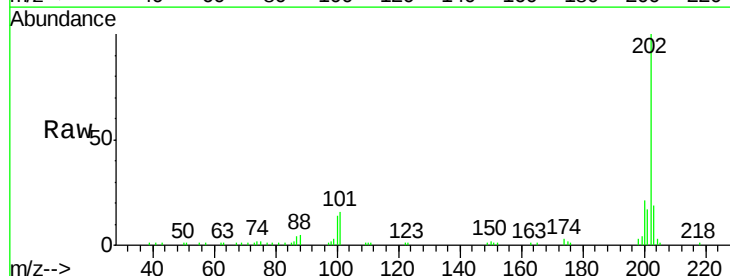
Tgt Ion:202 Resp: 43638

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

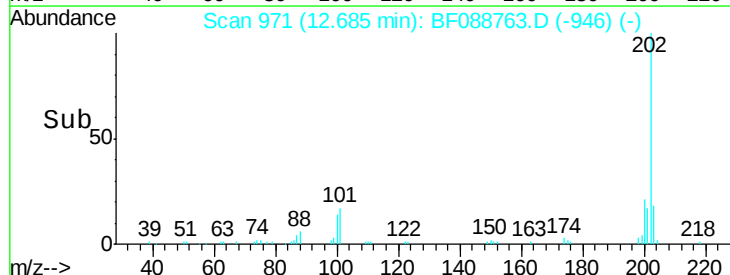
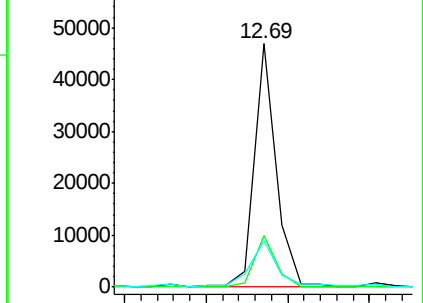
203 19.2 14.5 21.7

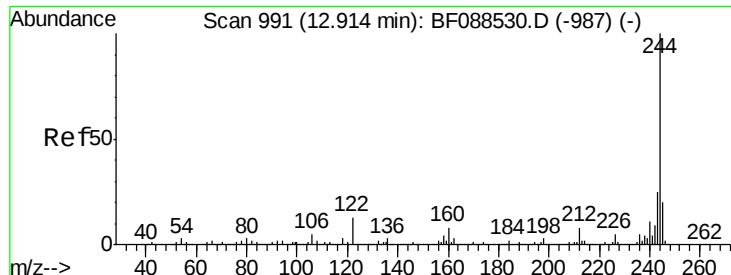


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

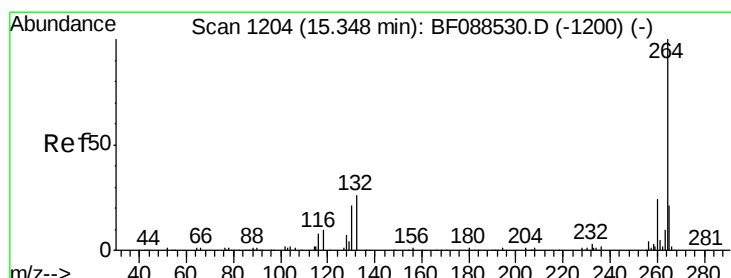
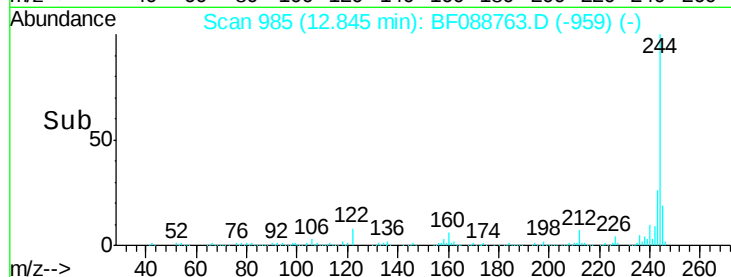
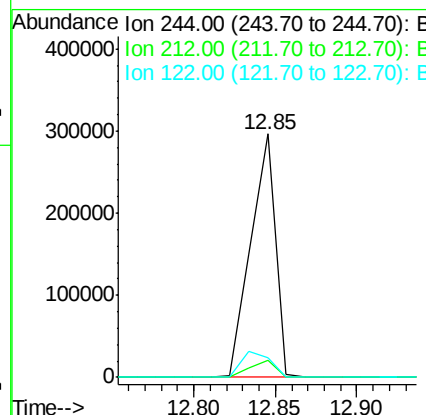
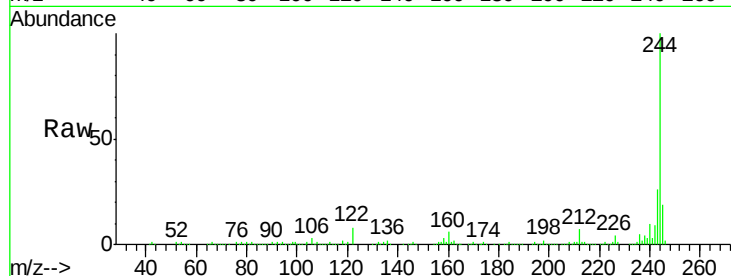




#78
 Terphenyl-d14
 Concen: 39.58 ng
 RT: 12.85 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: BF088763.D
 Acq: 7 Jul 2016 5:17

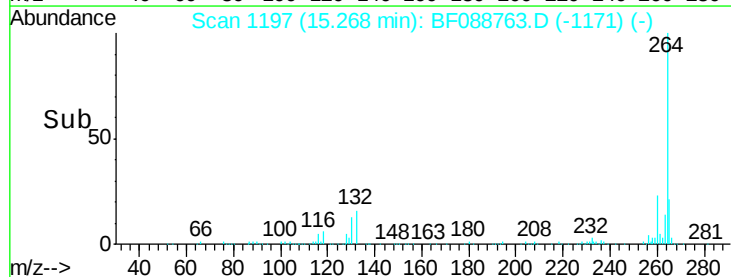
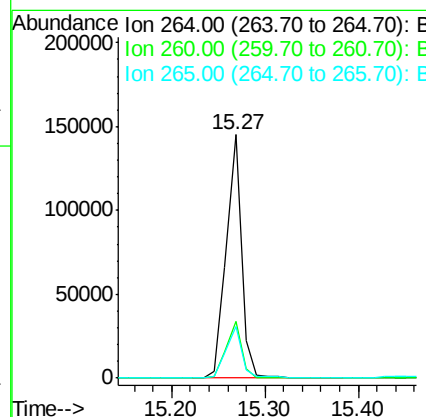
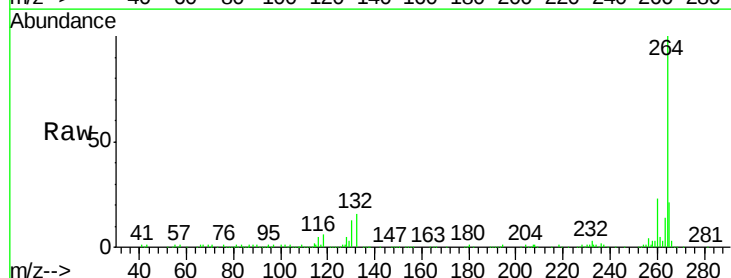
Instrument :
 BNA_F
 ClientSampleId :
 C2.1-07

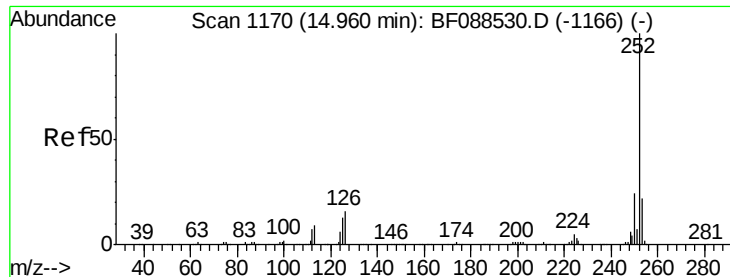
Tgt Ion: 244 Resp: 311178
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 7.9 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF088763.D
 Acq: 7 Jul 2016 5:17

Tgt Ion: 264 Resp: 167276
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.4 16.9 25.3

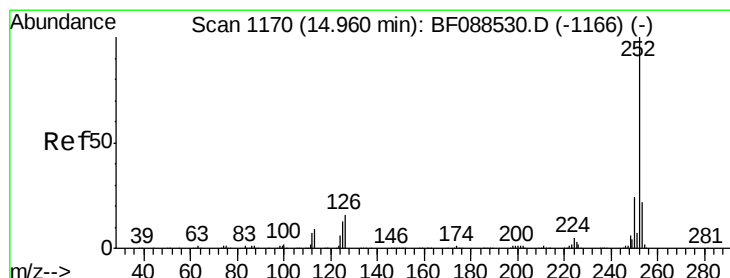
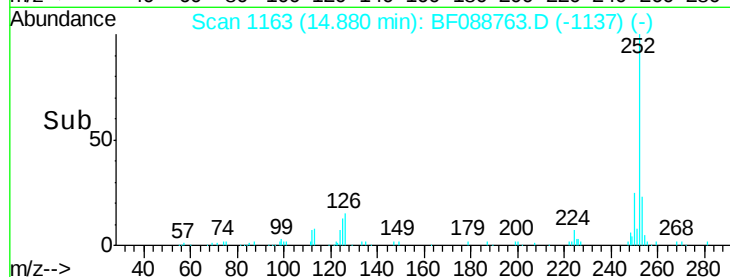
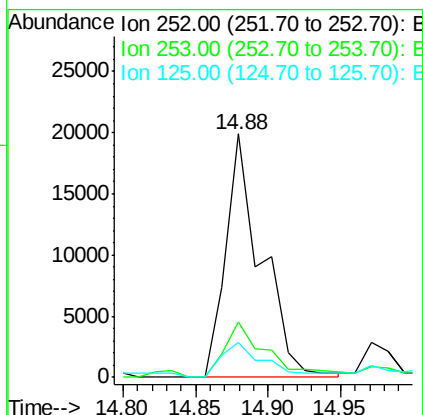
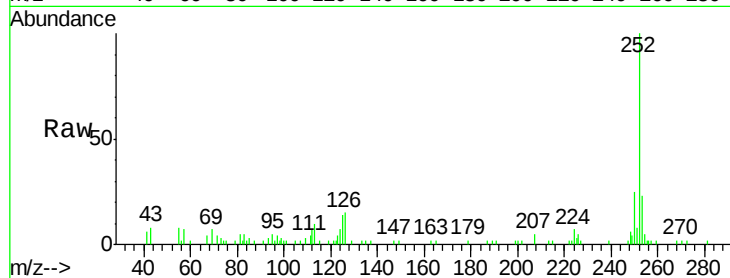




#87
Benzo(b)fluoranthene
Concen: 3.23 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF088763.D
Acq: 7 Jul 2016 5:17

Instrument :
BNA_F
ClientSampled :
C2.1-07

Tgt Ion: 252 Resp: 33918
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 14.5 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 3.71 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF088763.D
Acq: 7 Jul 2016 5:17

Tgt Ion: 252 Resp: 33918
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 14.5 11.2 16.8

