

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088561.D
 Acq On : 1 Jul 2016 6:38
 Operator : UM/SJ
 Sample : H3747-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

Quant Time: Jul 01 07:06:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 01 01:58:49 2016
 Response via : Initial Calibration

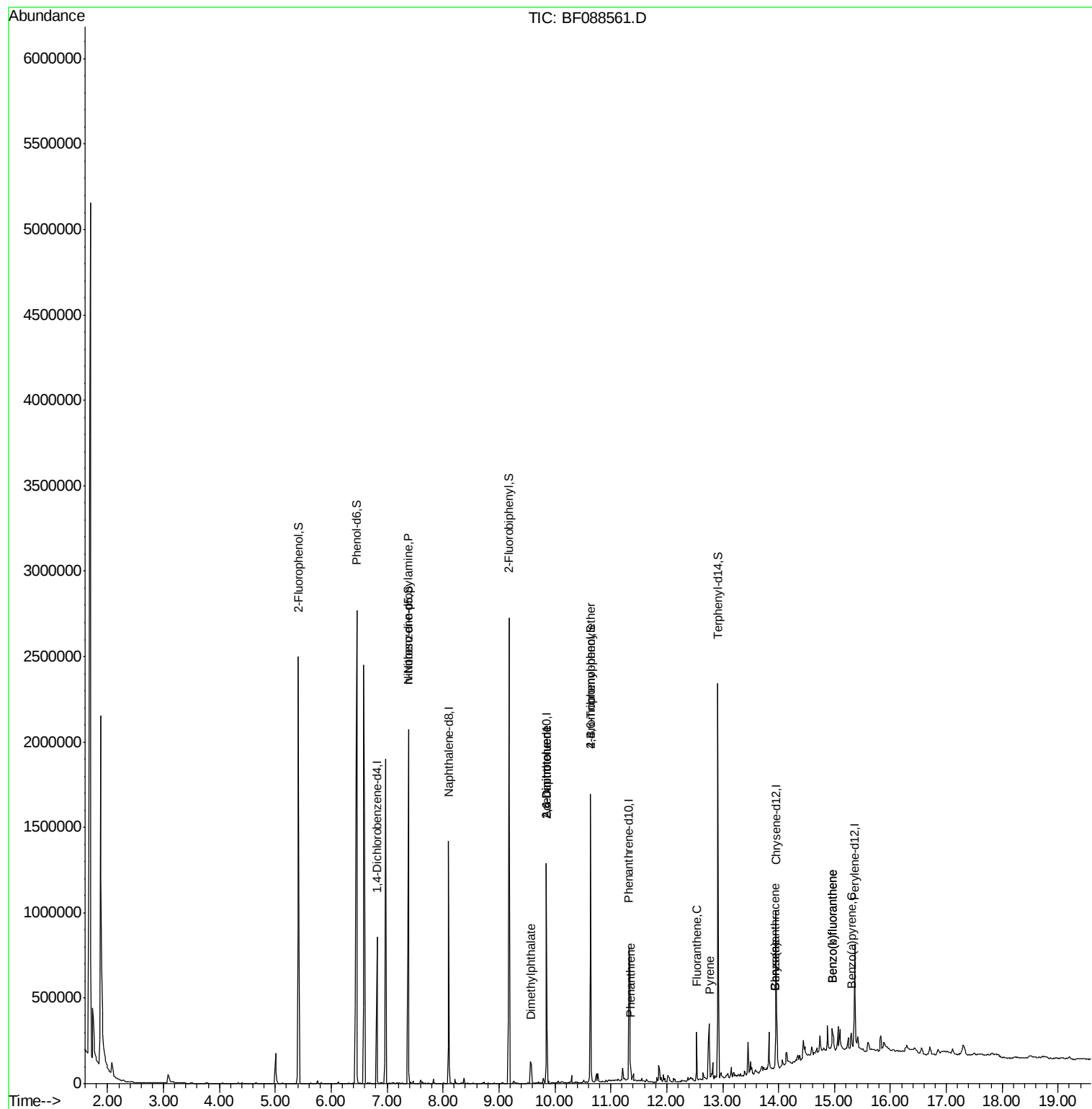
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	145327	20.00	ng	0.01
21) Naphthalene-d8	8.10	136	570099	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	238963	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	381271	20.00	ng	0.00
75) Chrysene-d12	13.95	240	270732	20.00	ng	0.00
86) Perylene-d12	15.36	264	275598	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	850338	87.69	ng	0.01
7) Phenol-d6	6.46	99	1292622	103.17	ng	0.01
23) Nitrobenzene-d5	7.38	82	715710	65.79	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	191695	86.39	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1131598	74.80	ng	0.00
78) Terphenyl-d14	12.91	244	688599	56.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	99731	11.85	ng	Qvalue # 74
49) Dimethylphthalate	9.58	163	74188	4.36	ng	97
50) 2,6-Dinitrotoluene	9.85	165	30775	8.16	ng	# 40
56) 2,4-Dinitrotoluene	9.85	165	30769	6.24	ng	# 38
66) 4-Bromophenyl-phenylether	10.64	248	13687	3.56	ng	# 1
70) Phenanthrene	11.35	178	46694	2.24	ng	97
74) Fluoranthene	12.54	202	103636	4.90	ng	97
77) Pyrene	12.76	202	100614	4.38	ng	98
80) Benzo(a)anthracene	13.94	228	58803	3.37	ng	97
82) Chrysene	13.94	228	58803	3.41	ng	98
87) Benzo(b)fluoranthene	14.96	252	82352	4.76	ng	# 88
88) Benzo(k)fluoranthene	14.96	252	82352	5.47	ng	# 93
89) Benzo(a)pyrene	15.30	252	43280	2.96	ng	98

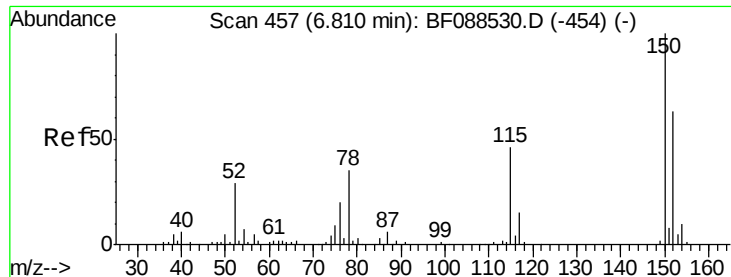
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C

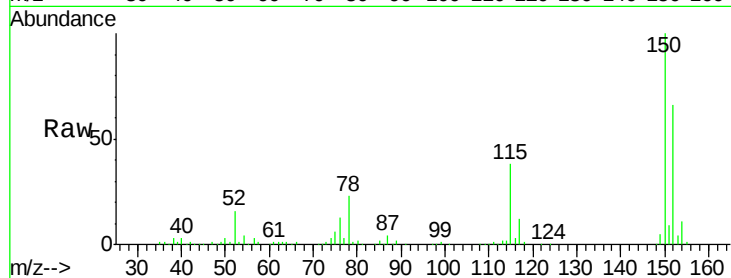
Tgt Ion:152 Resp: 145327

Ion Ratio Lower Upper

152 100

150 152.3 123.8 185.6

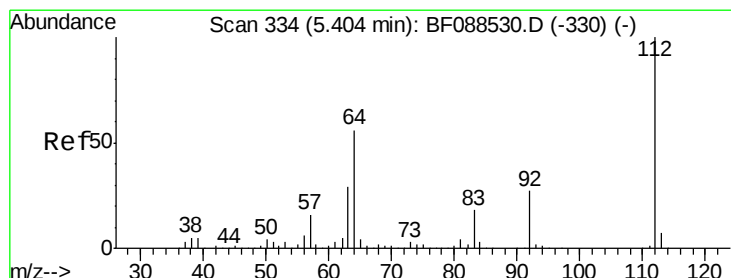
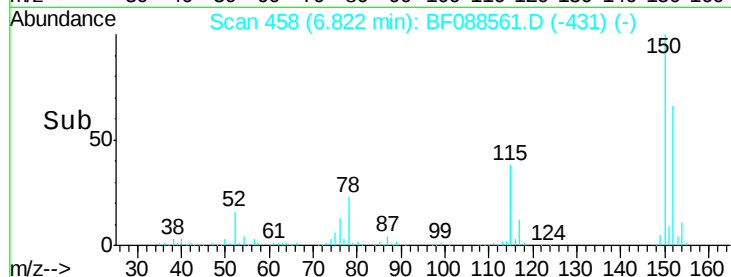
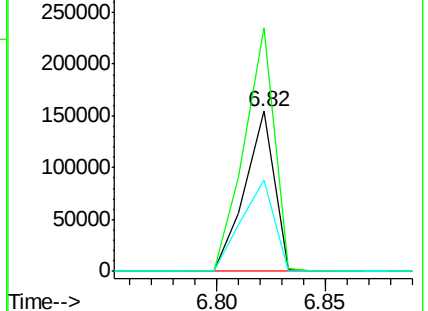
115 57.4 39.6 59.4



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: 87.69 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.01 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

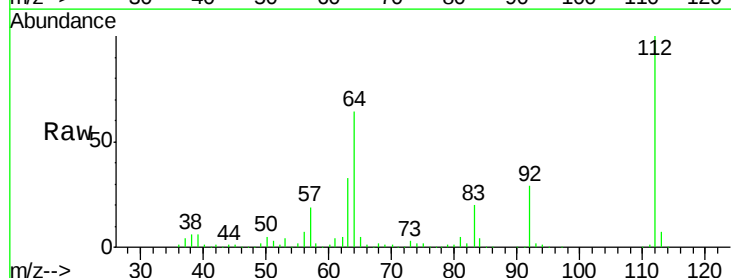
Tgt Ion:112 Resp: 850338

Ion Ratio Lower Upper

112 100

64 63.9 42.2 63.2#

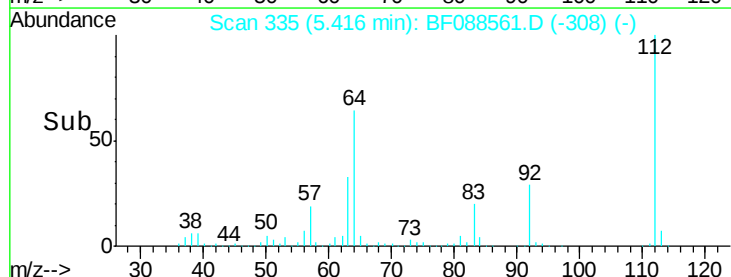
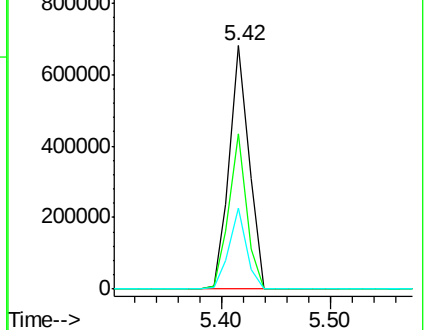
63 33.2 21.8 32.8#

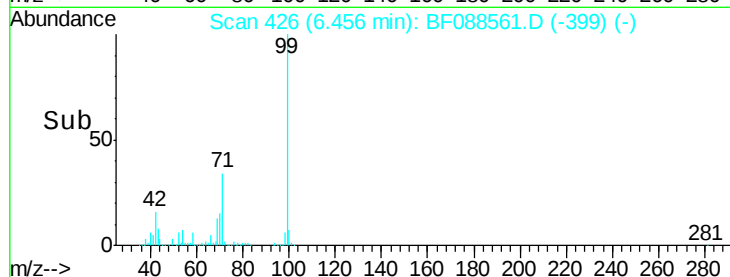
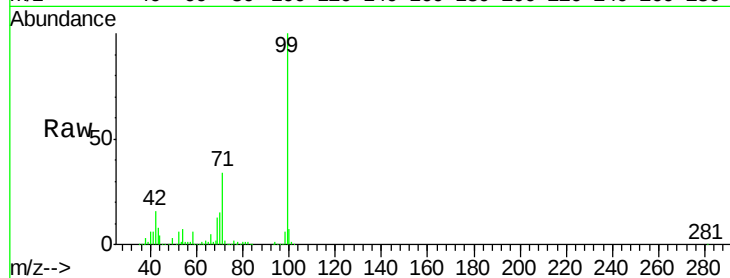
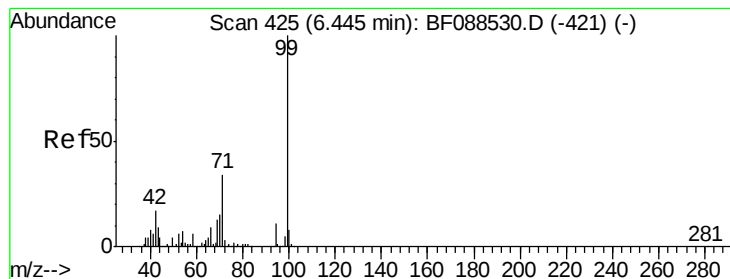


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.17 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C

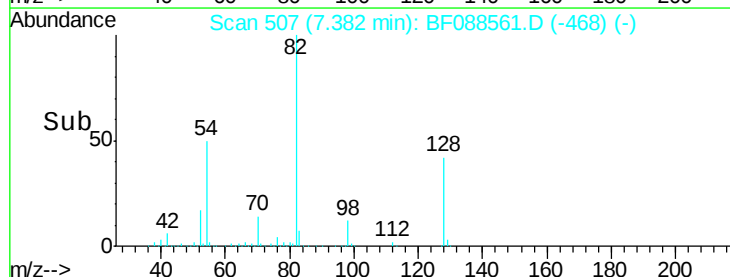
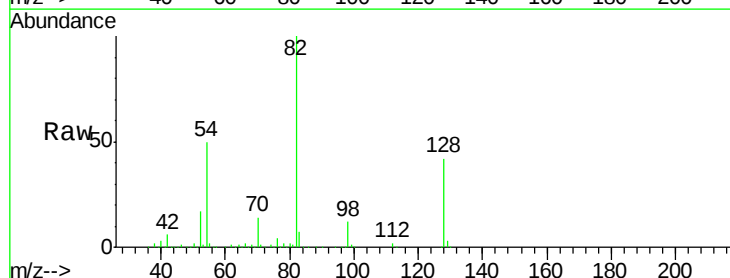
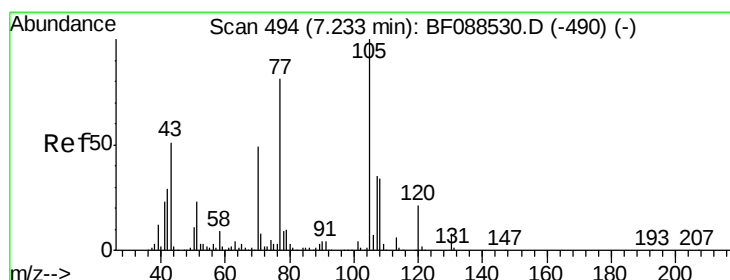
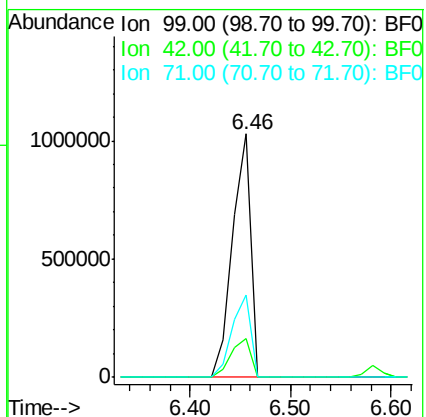
Tgt Ion: 99 Resp: 1292622

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

71 34.0 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.85 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.15 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Tgt Ion: 70 Resp: 99731

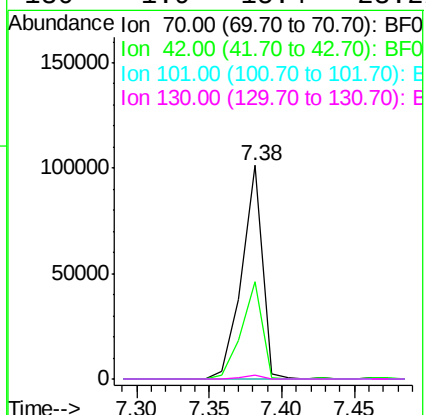
Ion Ratio Lower Upper

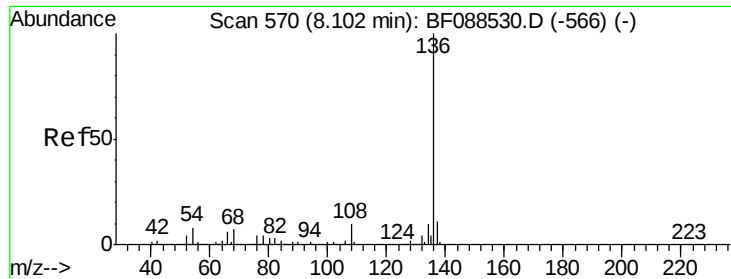
70 100

42 45.3 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C

Tgt Ion:136 Resp: 570099

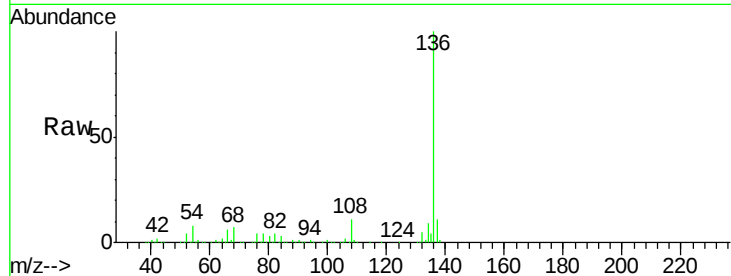
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.4 6.6 10.0

68 7.2 5.1 7.7

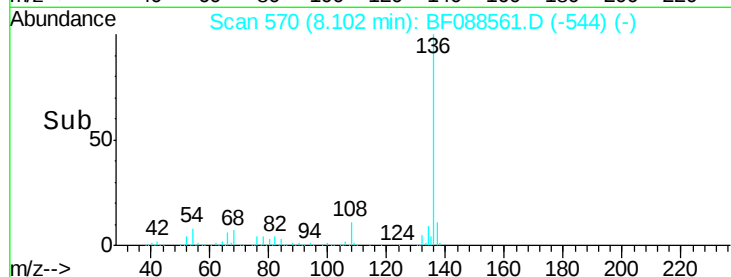


Abundance Ion 136.00 (135.70 to 136.70): E

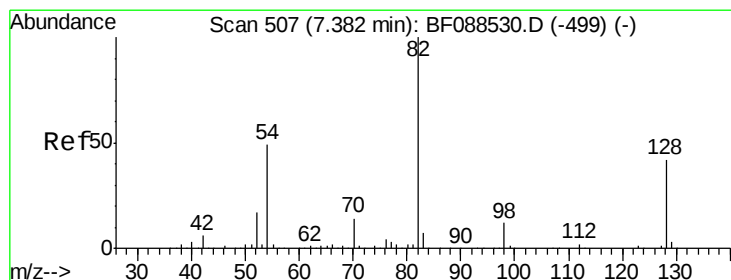
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 65.79 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

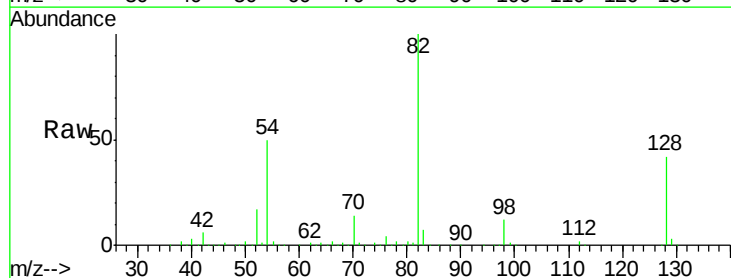
Tgt Ion: 82 Resp: 715710

Ion Ratio Lower Upper

82 100

128 41.5 35.9 53.9

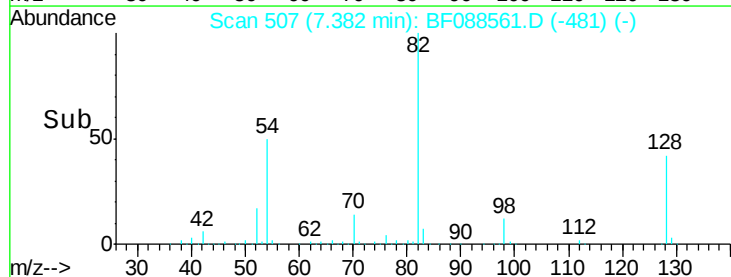
54 49.6 40.9 61.3



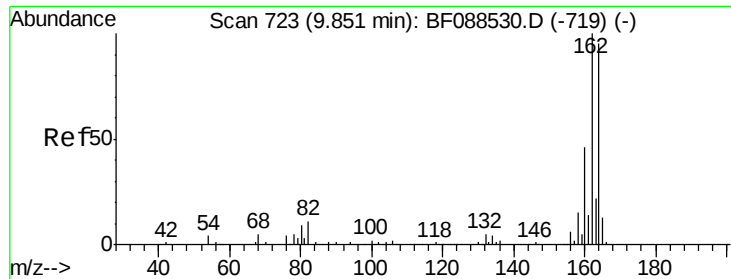
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



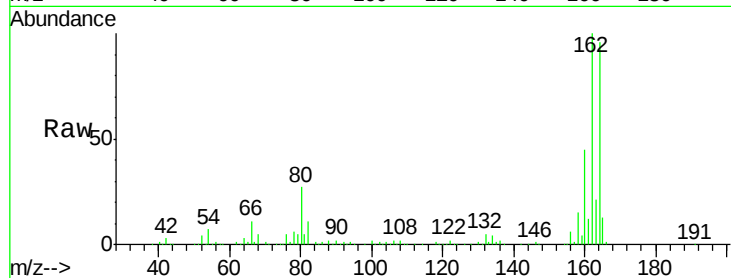
Time-->



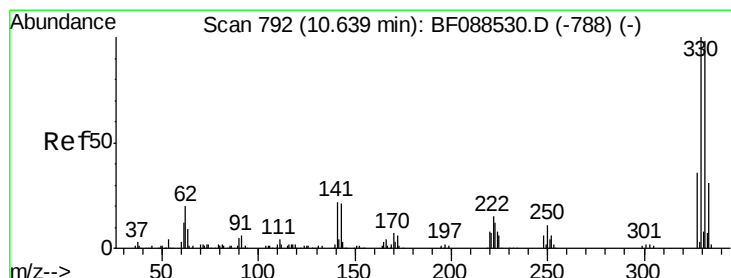
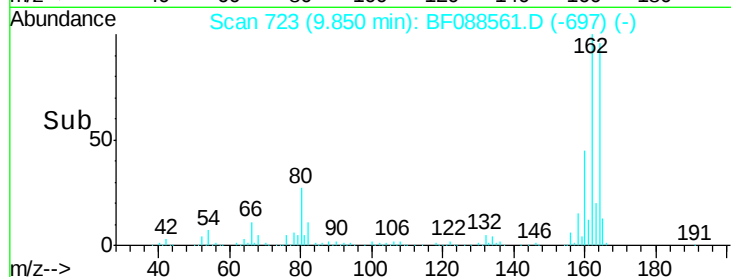
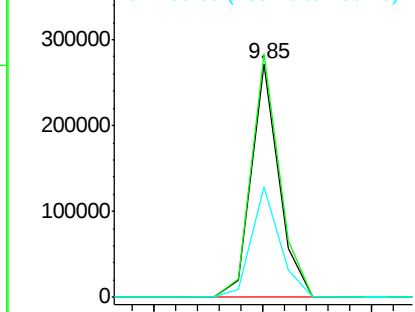
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

Tgt Ion:164 Resp: 238963
Ion Ratio Lower Upper
164 100
162 104.2 85.4 128.2
160 47.1 39.5 59.3

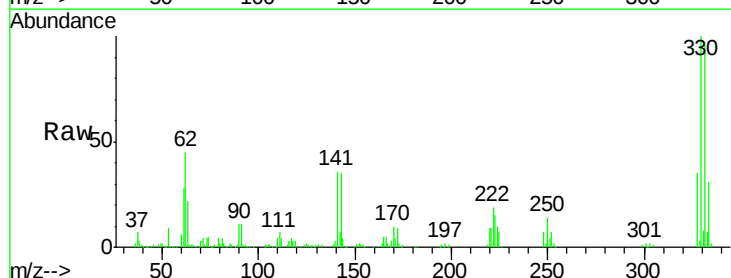


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

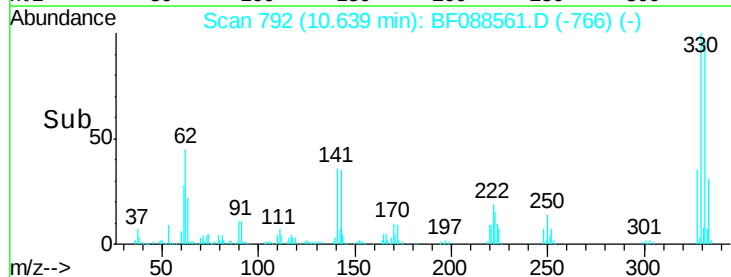
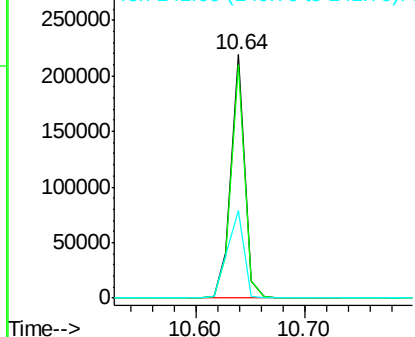


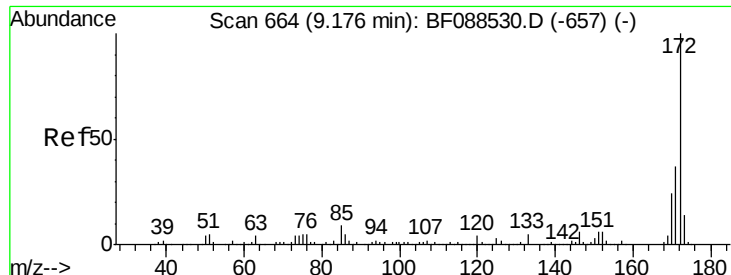
#41
2,4,6-Tribromophenol
Concen: 86.39 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Tgt Ion:330 Resp: 191695
Ion Ratio Lower Upper
330 100
332 95.4 0.0 0.0#
141 43.2 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

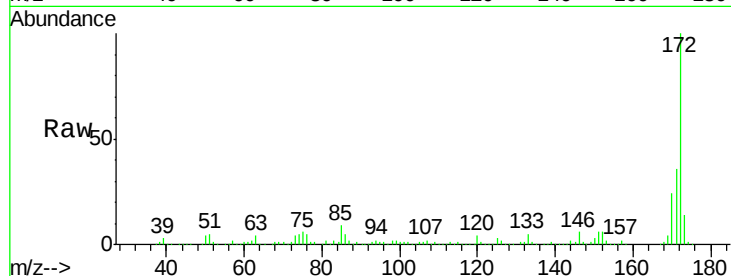




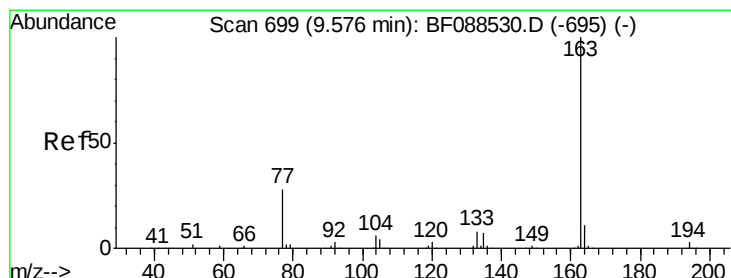
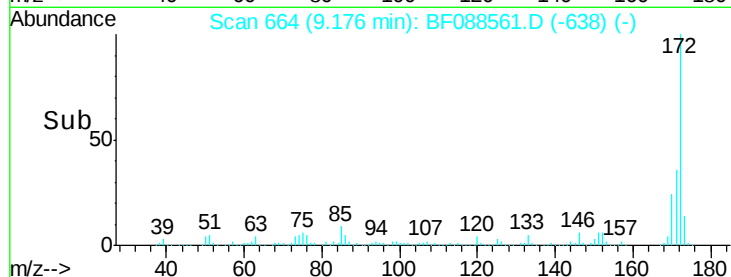
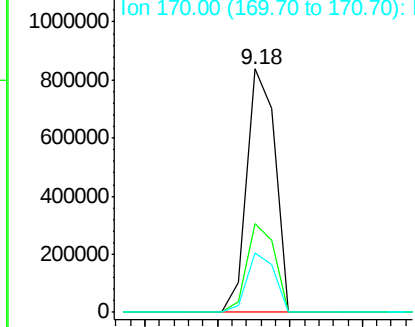
#44
 2-Fluorobiphenyl
 Concen: 74.80 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF088561.D
 Acq: 1 Jul 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

Tgt Ion:172 Resp: 1131598
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 24.3 19.2 28.8

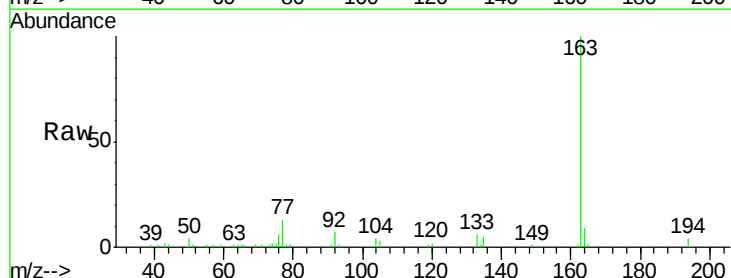


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

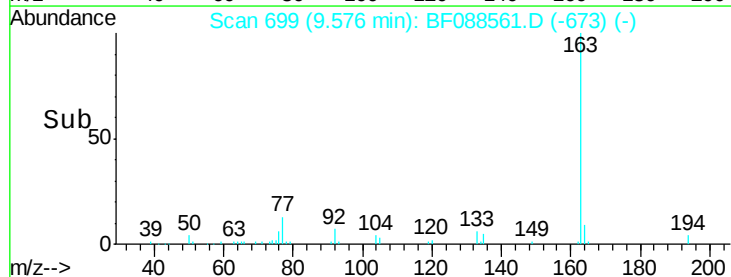
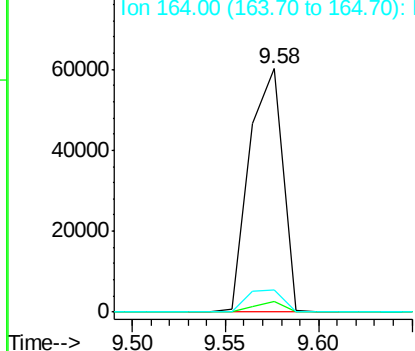


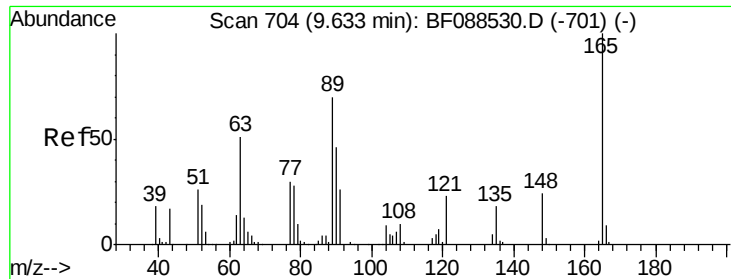
#49
 Dimethylphthalate
 Concen: 4.36 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.00 min
 Lab File: BF088561.D
 Acq: 1 Jul 2016 6:38

Tgt Ion:163 Resp: 74188
 Ion Ratio Lower Upper
 163 100
 194 4.1 2.8 4.2
 164 9.3 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

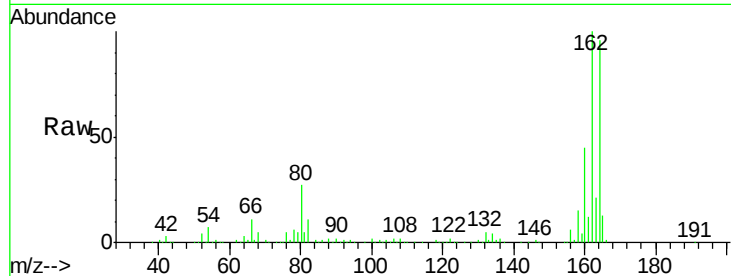




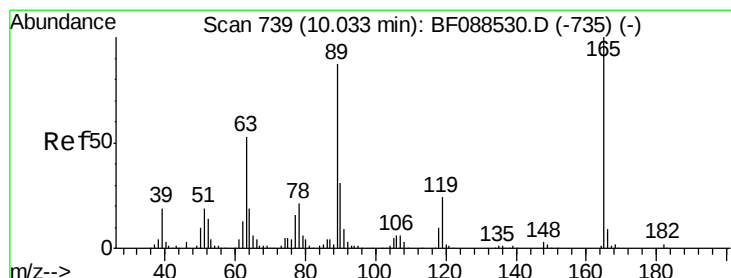
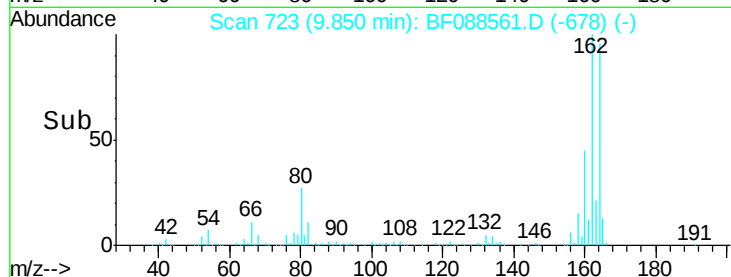
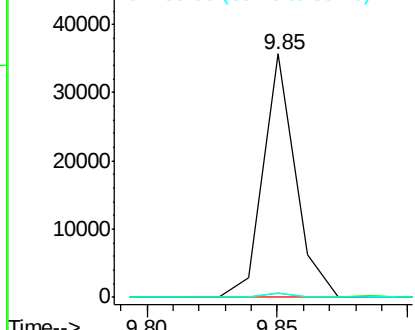
#50
 2,6-Dinitrotoluene
 Concen: 8.16 ng
 RT: 9.85 min Scan# 723
 Delta R.T. 0.22 min
 Lab File: BF088561.D
 Acq: 1 Jul 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

Tgt Ion:165 Resp: 30775
 Ion Ratio Lower Upper
 165 100
 63 1.6 28.1 42.1#
 89 1.7 32.2 48.2#



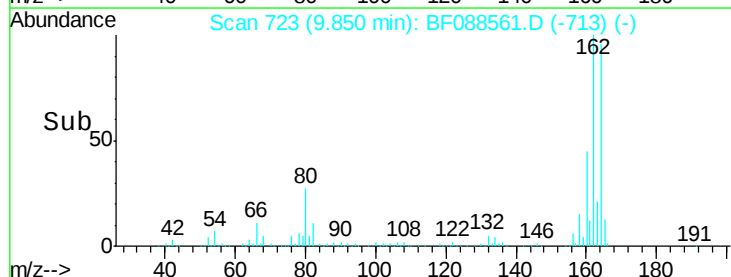
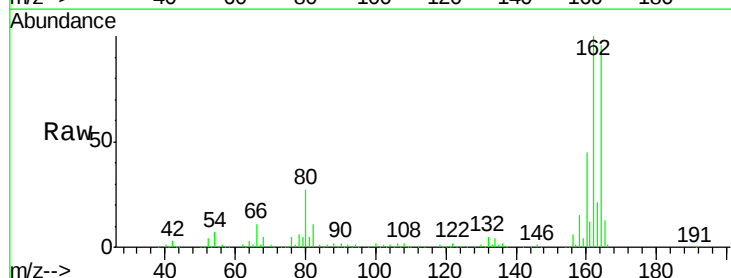
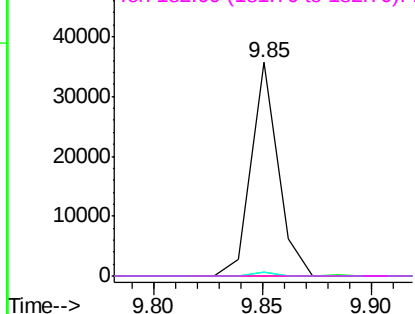
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

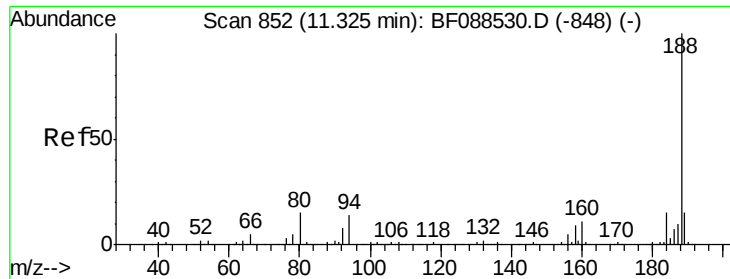


#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.18 min
 Lab File: BF088561.D
 Acq: 1 Jul 2016 6:38

Tgt Ion:165 Resp: 30769
 Ion Ratio Lower Upper
 165 100
 63 1.6 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

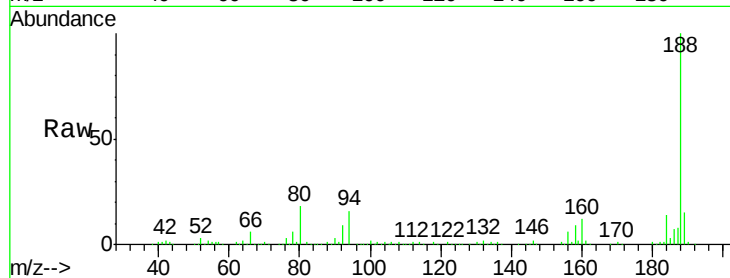




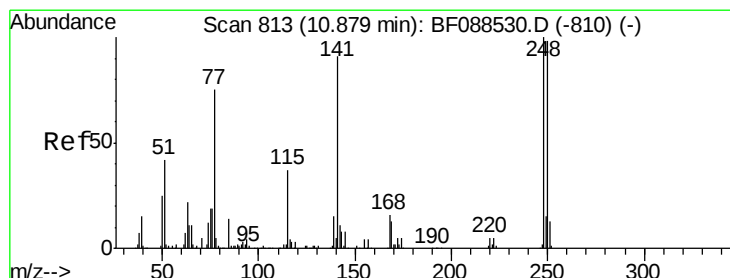
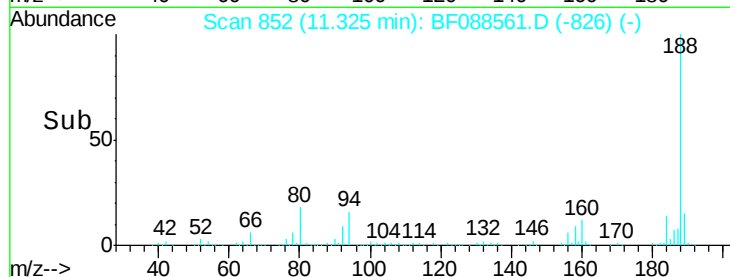
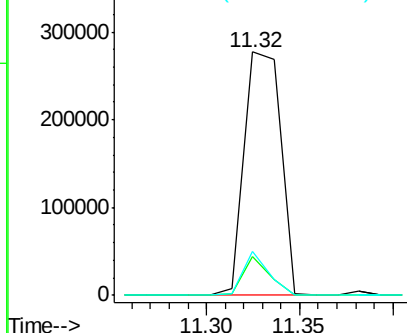
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

Tgt Ion:188 Resp: 381271
Ion Ratio Lower Upper
188 100
94 15.8 9.0 13.6#
80 18.0 10.0 15.0#

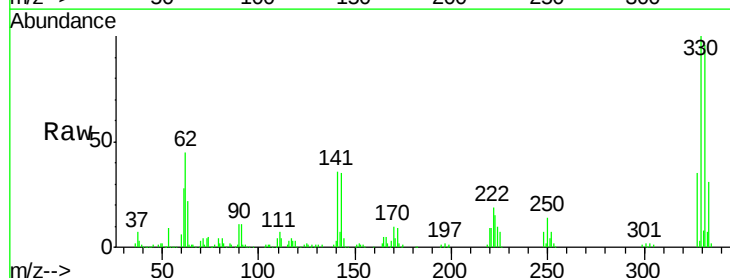


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

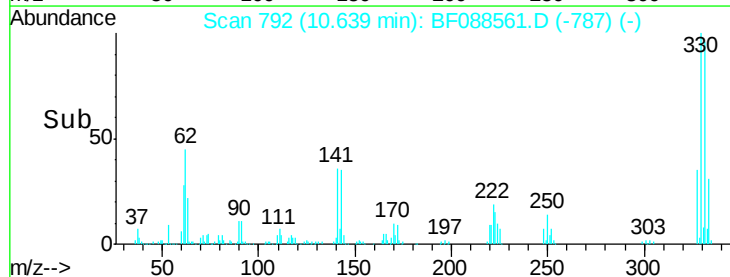
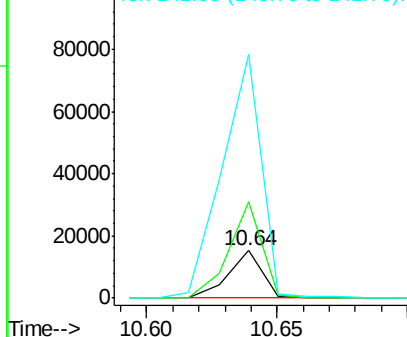


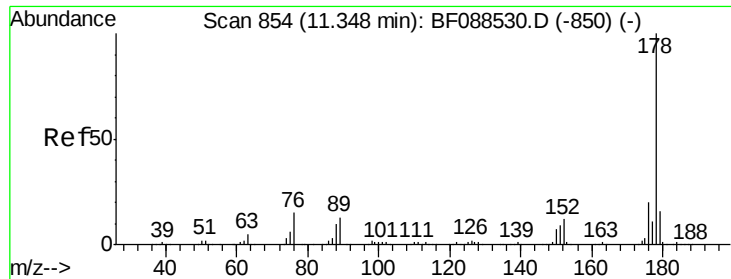
#66
4-Bromophenyl-phenylether
Concen: 3.56 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.24 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Tgt Ion:248 Resp: 13687
Ion Ratio Lower Upper
248 100
250 202.8 77.1 115.7#
141 512.2 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

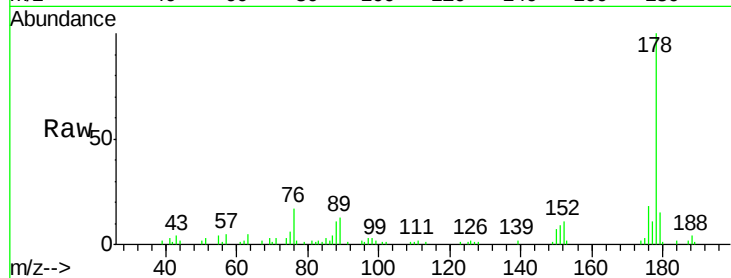




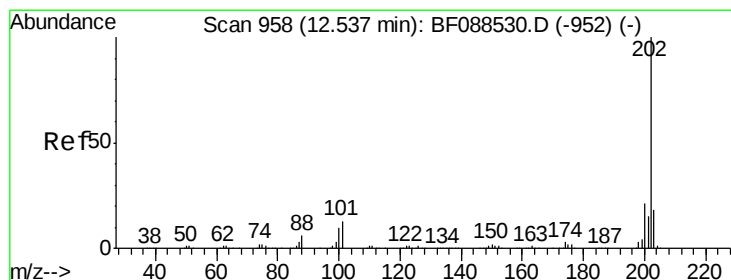
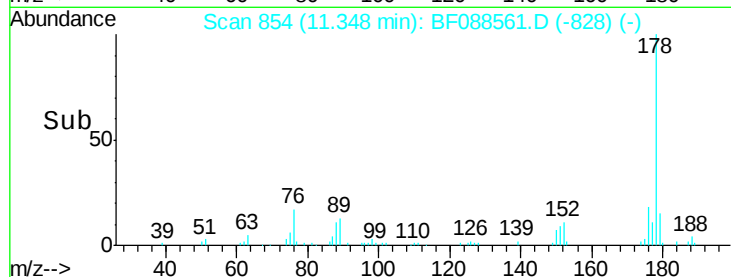
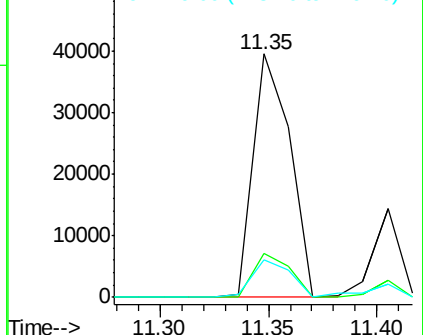
#70
Phenanthrene
Concen: 2.24 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

Tgt Ion:178 Resp: 46694
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.6
179 15.3 13.0 19.4

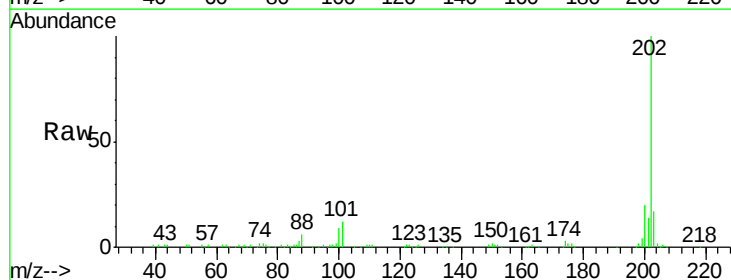


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

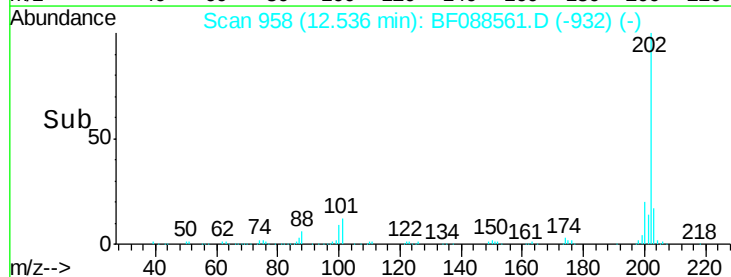
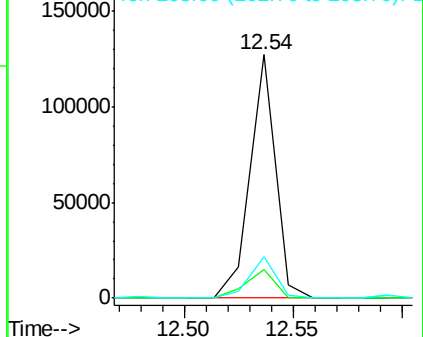


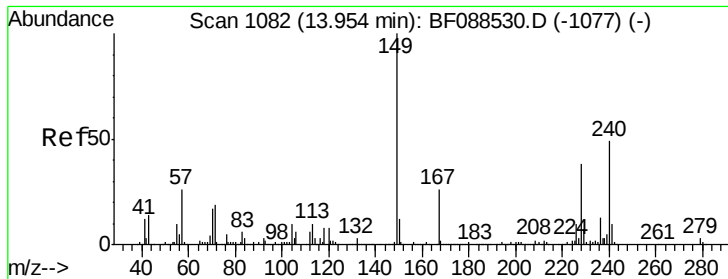
#74
Fluoranthene
Concen: 4.90 ng
RT: 12.54 min Scan# 958
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Tgt Ion:202 Resp: 103636
Ion Ratio Lower Upper
202 100
101 11.6 0.0 33.1
203 17.0 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: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C

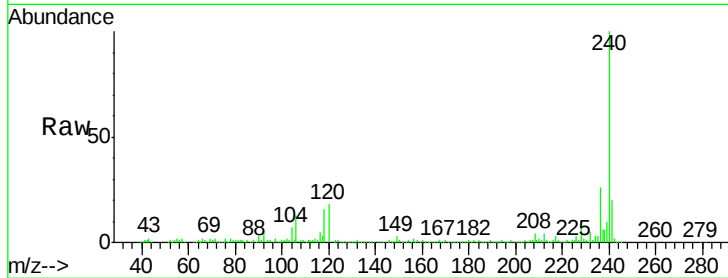
Tgt Ion:240 Resp: 270732

Ion Ratio Lower Upper

240 100

120 18.1 6.8 10.2#

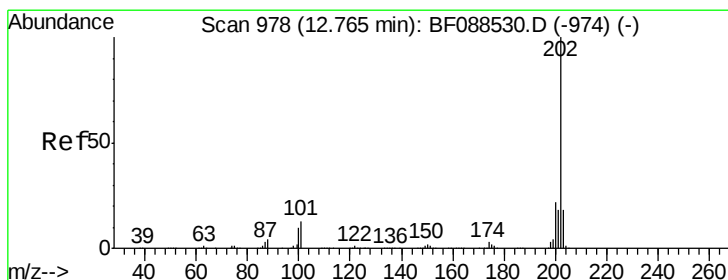
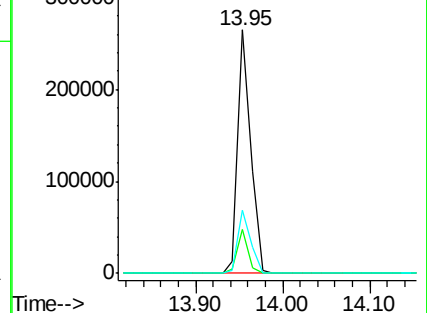
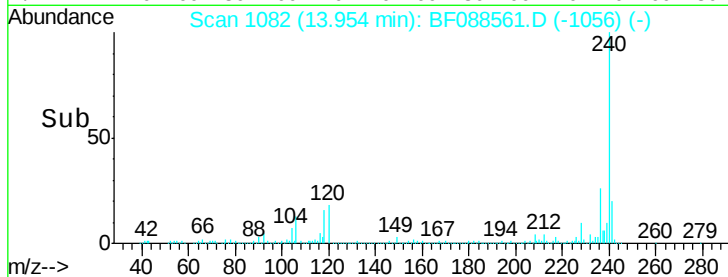
236 25.9 20.2 30.2



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: 4.38 ng

RT: 12.76 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

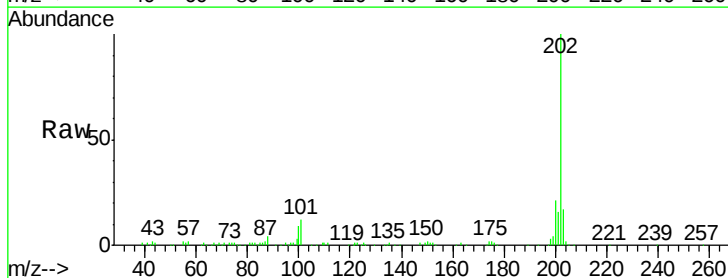
Tgt Ion:202 Resp: 100614

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

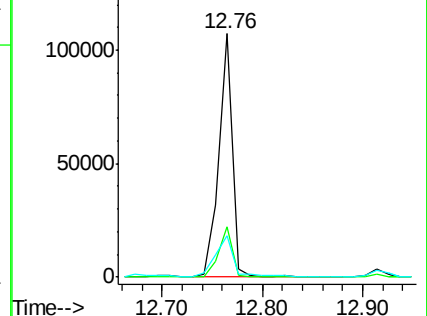
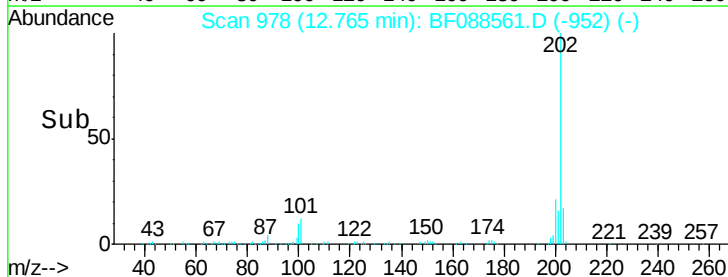
203 17.1 14.5 21.7

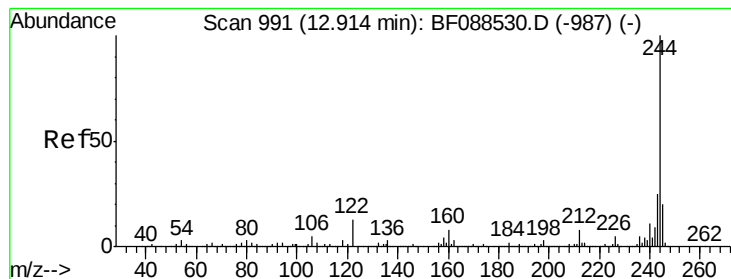


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.65 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C

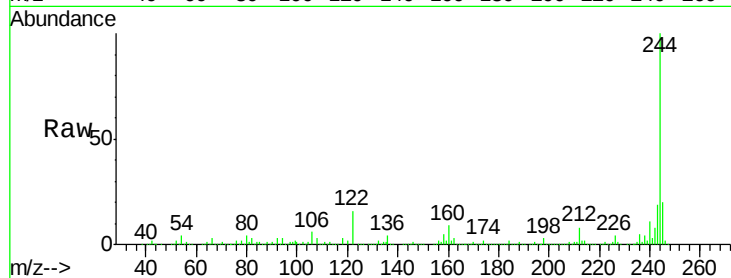
Tgt Ion:244 Resp: 688599

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

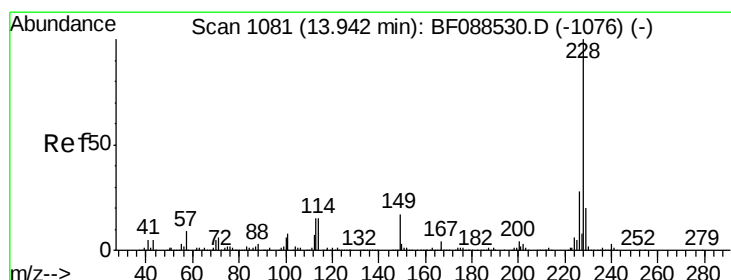
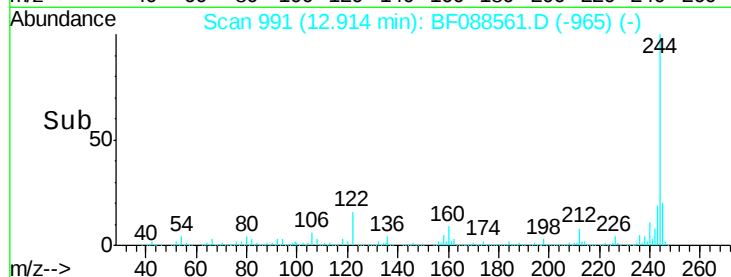
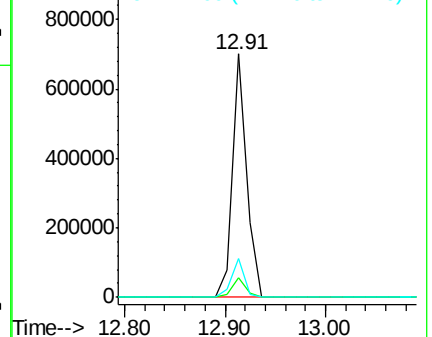
122 16.1 11.2 16.8



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: 3.37 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

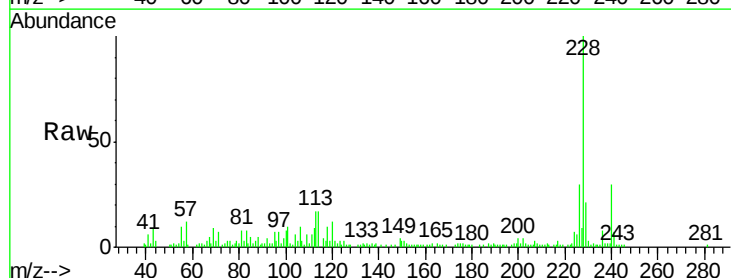
Tgt Ion:228 Resp: 58803

Ion Ratio Lower Upper

228 100

226 29.8 22.3 33.5

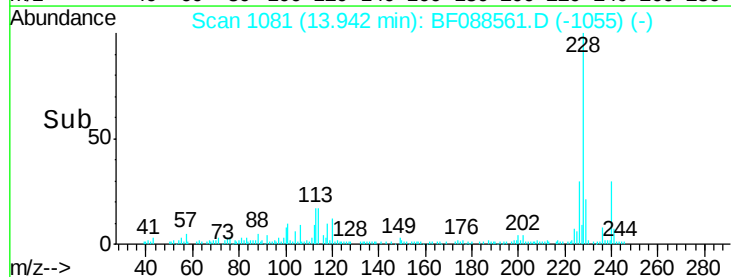
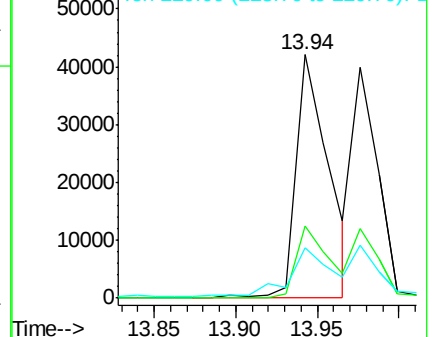
229 20.6 16.0 24.0

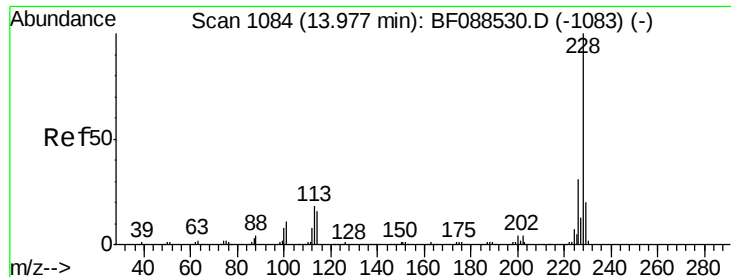


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.41 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.05 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampled :

C8-B4(0-4.5)C

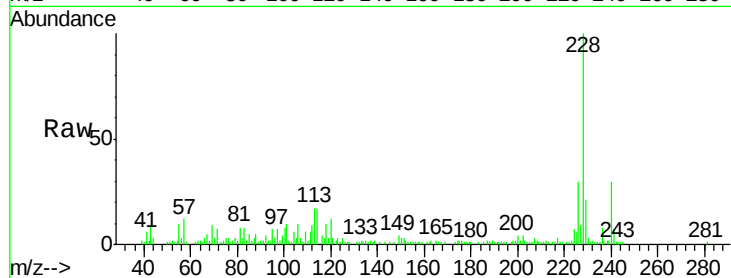
Tgt Ion:228 Resp: 58803

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.2

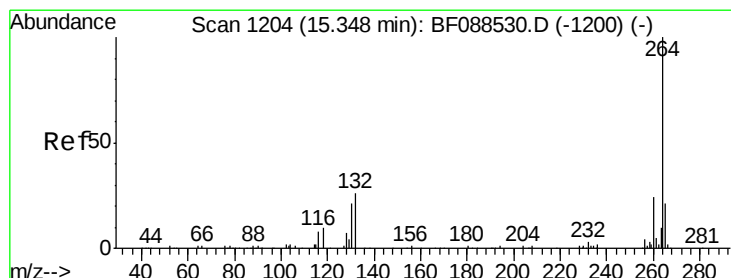
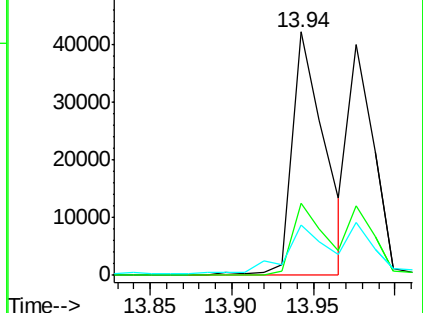
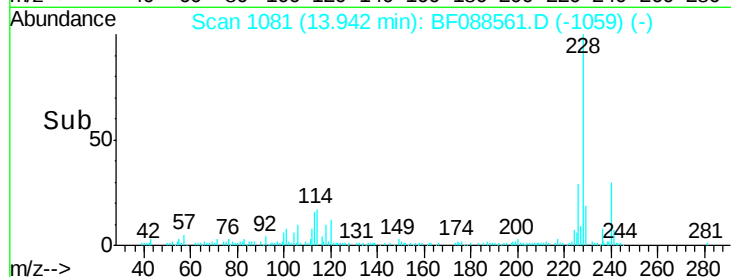
229 20.6 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF088561.D

Acq: 1 Jul 2016 6:38

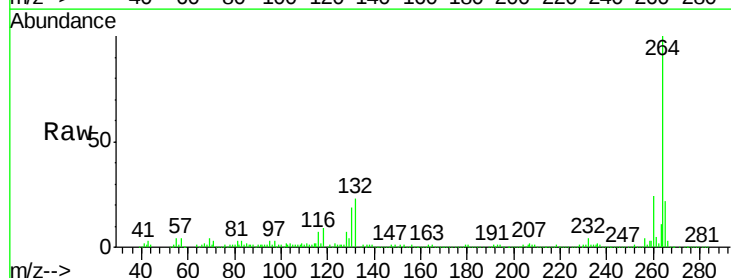
Tgt Ion:264 Resp: 275598

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

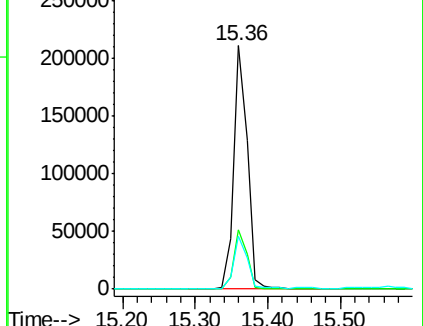
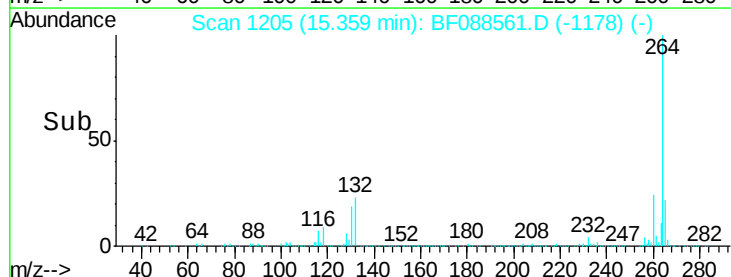
265 21.7 16.9 25.3

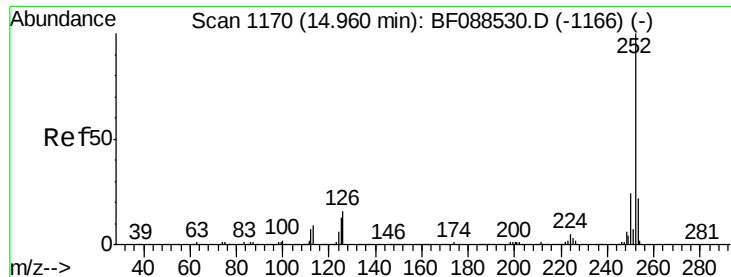


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

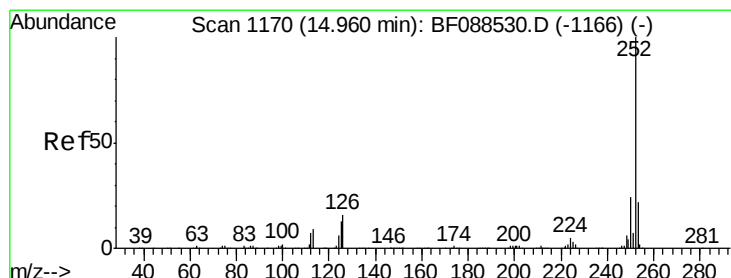
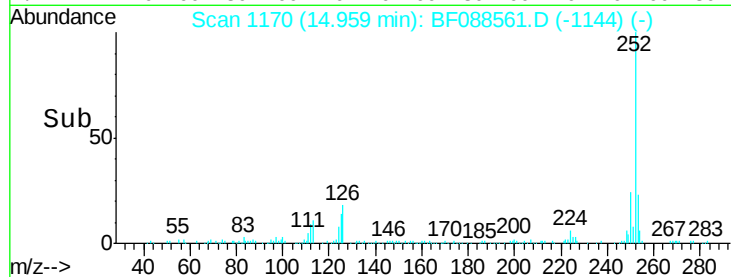
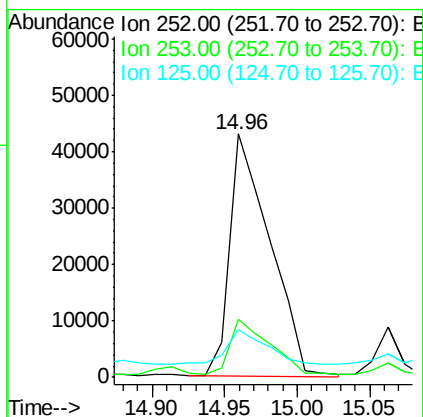
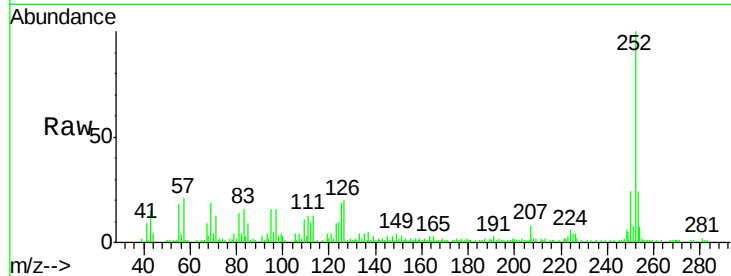




#87
Benzo(b)fluoranthene
Concen: 4.76 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

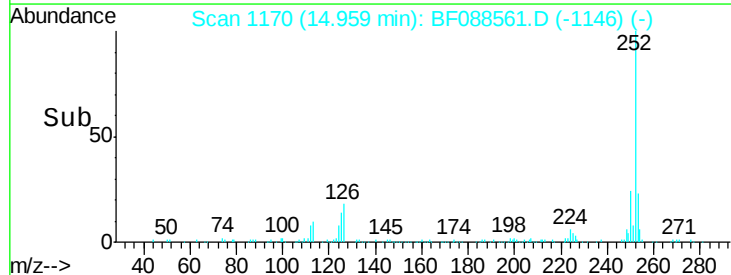
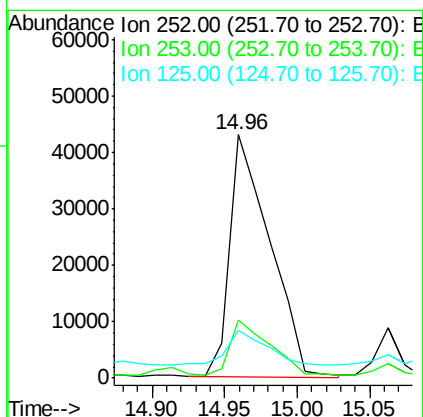
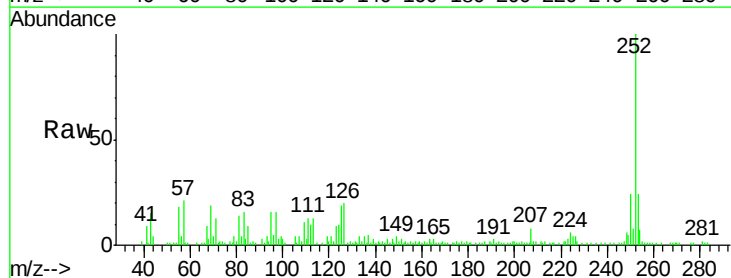
Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

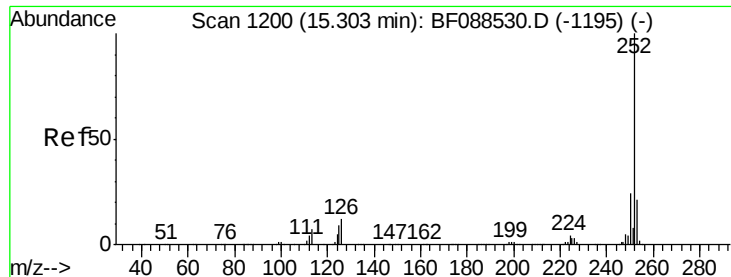
Tgt Ion: 252 Resp: 82352
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 19.5 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 5.47 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088561.D
Acq: 1 Jul 2016 6:38

Tgt Ion: 252 Resp: 82352
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 19.5 11.2 16.8#





#89

Benzo(a)pyrene

Concen: 2.96 ng

RT: 15.30 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF088561.D

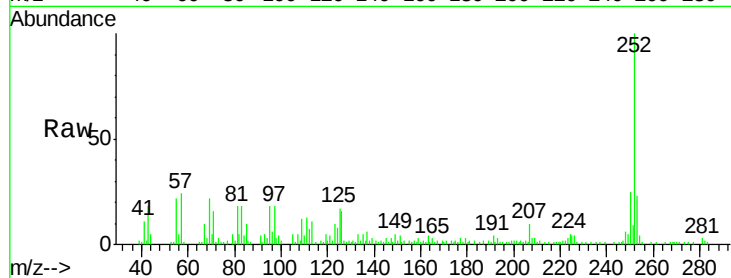
Acq: 1 Jul 2016 6:38

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C



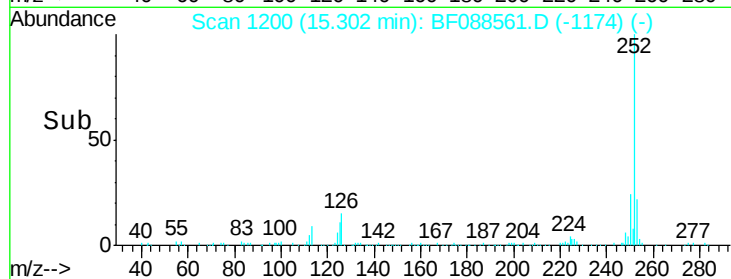
Tgt Ion: 252 Resp: 43280

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 17.3 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

