

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088911.D
 Acq On : 11 Jul 2016 20:52
 Operator : UM/SJ
 Sample : H3921-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N8-B4(0-5)C

Quant Time: Jul 12 02:04:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	68872	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	291698	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	123730	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	205725	20.00	ng	0.00
75) Chrysene-d12	13.84	240	138672	20.00	ng	-0.01
86) Perylene-d12	15.22	264	121807	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	496825	108.11	ng	0.02
7) Phenol-d6	6.35	99	628928	105.92	ng	0.00
23) Nitrobenzene-d5	7.28	82	406413	73.01	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	137253	119.46	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	600115	76.61	ng	0.00
78) Terphenyl-d14	12.81	244	470010	75.49	ng	0.01

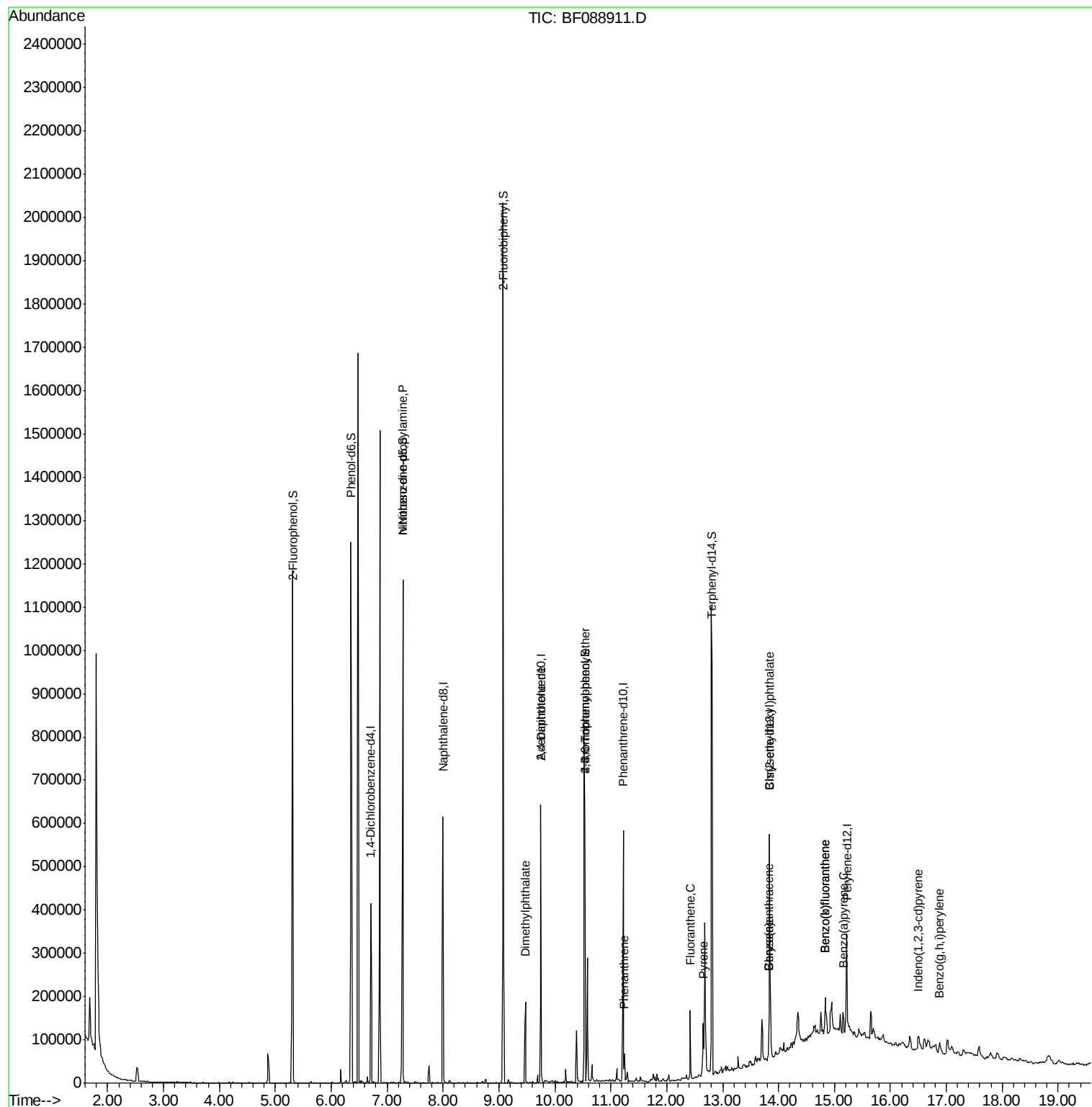
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	55928	14.02	ng	# 71
49) Dimethylphthalate	9.47	163	103530	11.74	ng	97
56) 2,4-Dinitrotoluene	9.75	165	15706	6.15	ng	# 36
66) 4-Bromophenyl-phenylether	10.54	248	8773	4.23	ng	# 1
70) Phenanthrene	11.24	178	24666	2.19	ng	96
74) Fluoranthene	12.42	202	55323	4.85	ng	98
77) Pyrene	12.65	202	46775	3.98	ng	98
80) Benzo(a)anthracene	13.83	228	30485	3.41	ng	95
82) Chrysene	13.83	228	30485	3.45	ng	98
83) Bis(2-ethylhexyl)phthalate	13.84	149	14276	2.38	ng	99
85) Indeno(1,2,3-cd)pyrene	16.50	276	17098	2.52	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	51646	6.76	ng	# 93
88) Benzo(k)fluoranthene	14.83	252	51646	7.76	ng	98
89) Benzo(a)pyrene	15.15	252	22879	3.54	ng	# 91
91) Benzo(g,h,i)perylene	16.88	276	17750	3.18	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

Instrument :

BNA_F

ClientSampleId :

N8-B4(0-5)C

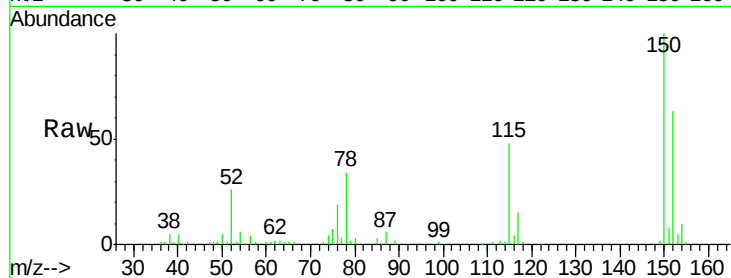
Tgt Ion:152 Resp: 68872

Ion Ratio Lower Upper

152 100

150 158.4 123.8 185.6

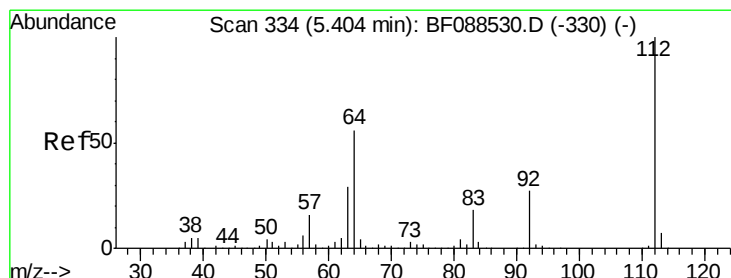
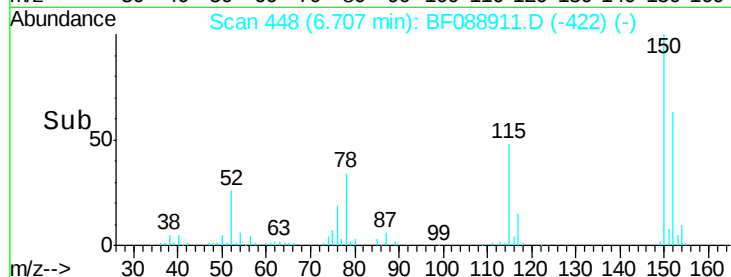
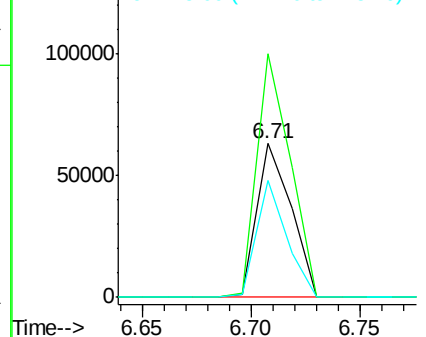
115 76.0 39.6 59.4#



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: 108.11 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.02 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

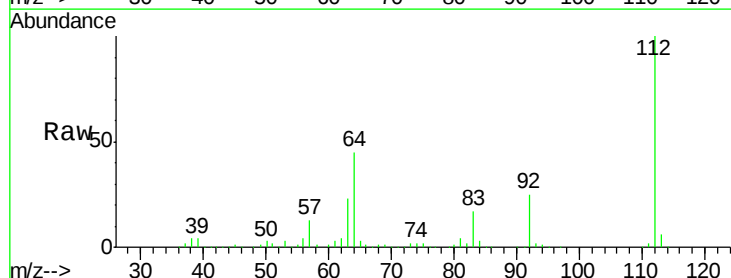
Tgt Ion:112 Resp: 496825

Ion Ratio Lower Upper

112 100

64 44.6 42.2 63.2

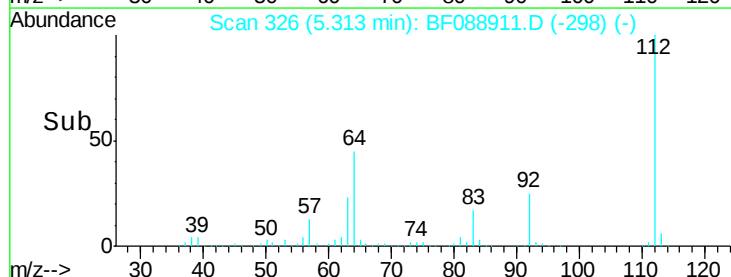
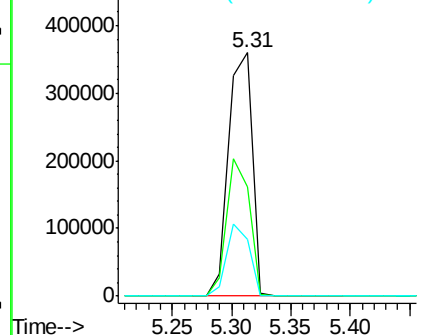
63 23.4 21.8 32.8



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: 105.92 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

Instrument :

BNA_F

ClientSampleId :

N8-B4(0-5)C

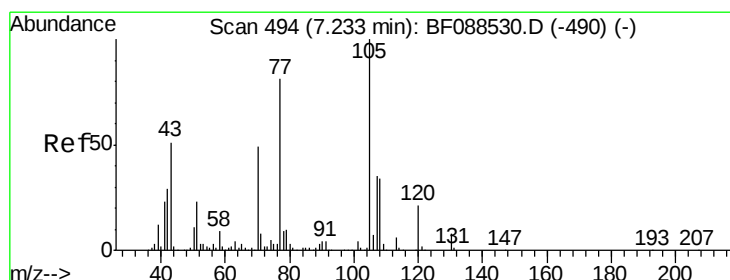
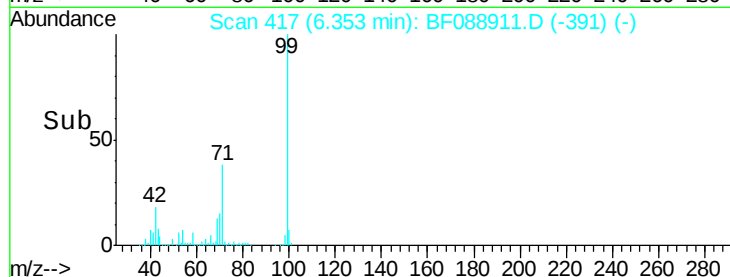
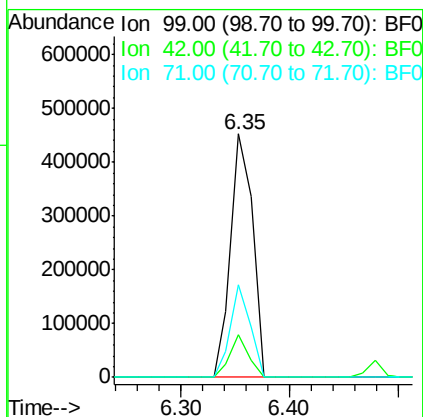
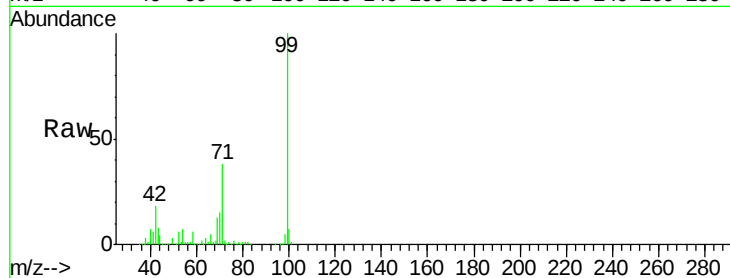
Tgt Ion: 99 Resp: 628928

Ion Ratio Lower Upper

99 100

42 17.6 12.2 18.2

71 37.8 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.02 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

Tgt Ion: 70 Resp: 55928

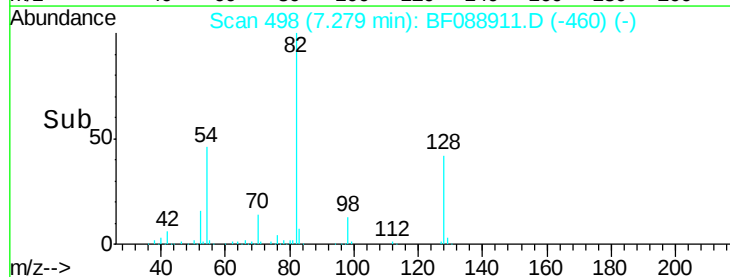
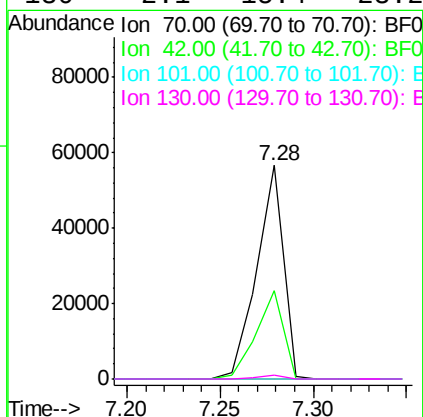
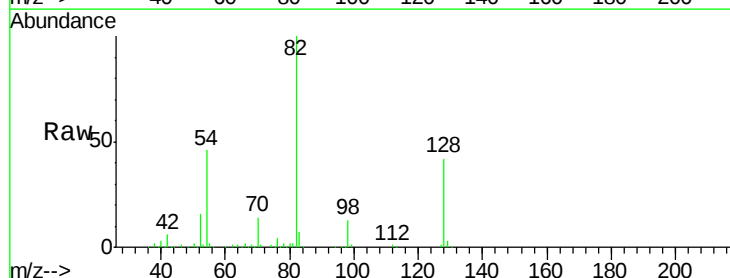
Ion Ratio Lower Upper

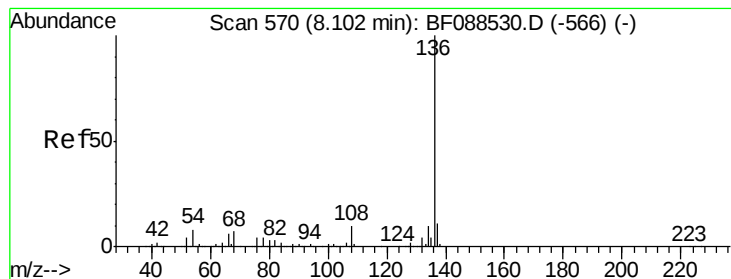
70 100

42 41.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

Instrument :

BNA_F

ClientSampleId :

N8-B4(0-5)C

Tgt Ion:136 Resp: 291698

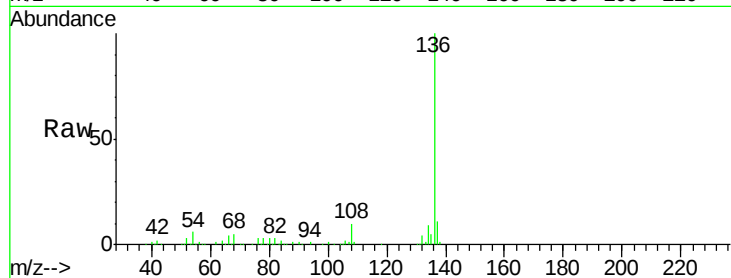
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.5 6.6 10.0#

68 4.8 5.1 7.7#

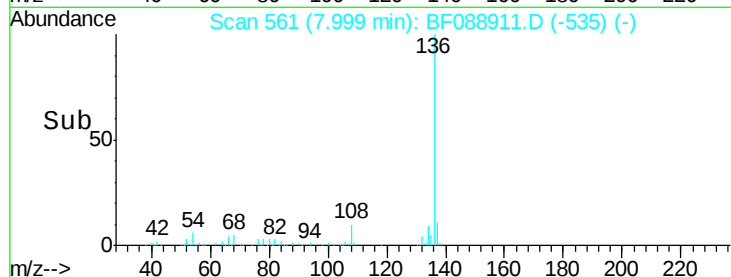


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 73.01 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

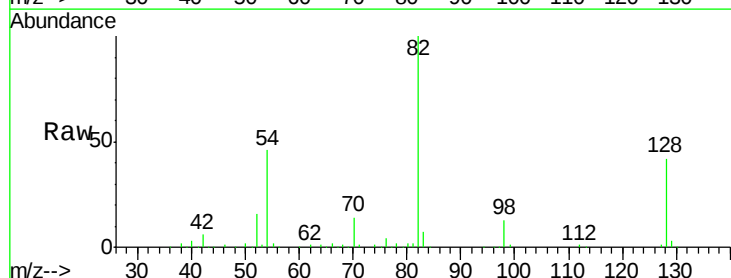
Tgt Ion: 82 Resp: 406413

Ion Ratio Lower Upper

82 100

128 42.2 35.9 53.9

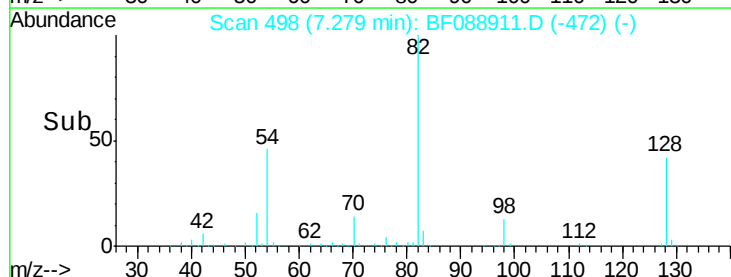
54 46.3 40.9 61.3



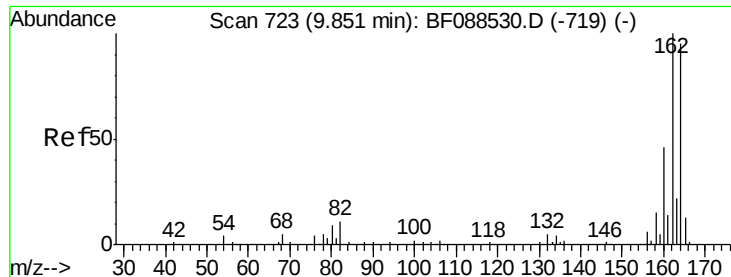
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

Instrument :

BNA_F

ClientSampleId :

N8-B4(0-5)C

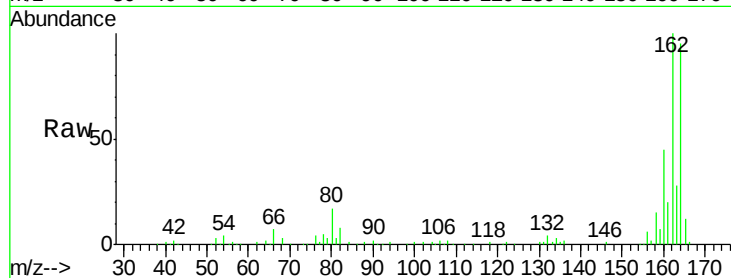
Tgt Ion:164 Resp: 123730

Ion Ratio Lower Upper

164 100

162 105.0 85.4 128.2

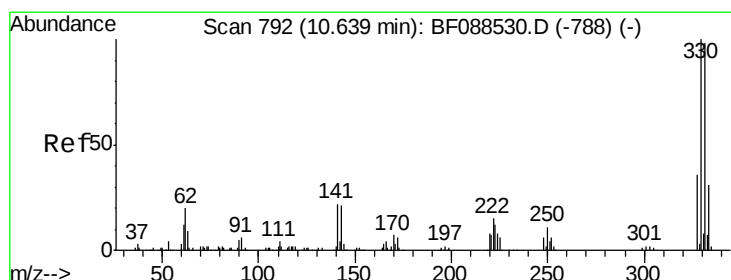
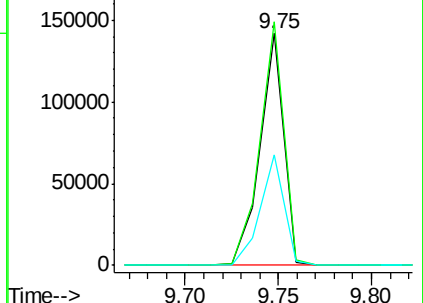
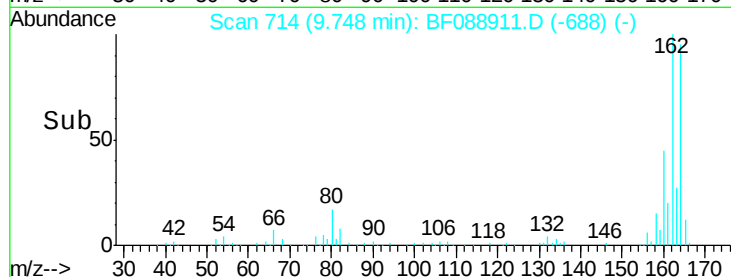
160 47.7 39.5 59.3



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: 119.46 ng

RT: 10.54 min Scan# 783

Delta R.T. 0.00 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

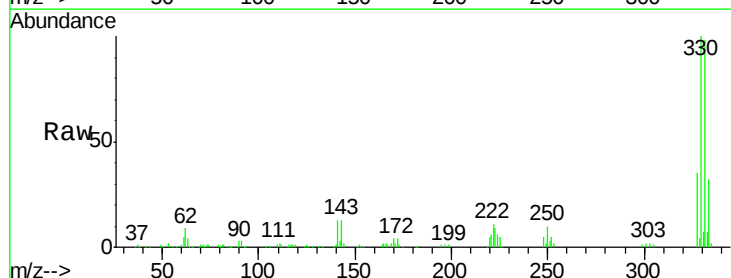
Tgt Ion:330 Resp: 137253

Ion Ratio Lower Upper

330 100

332 97.8 0.0 0.0#

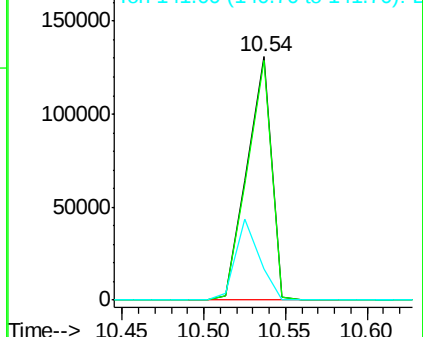
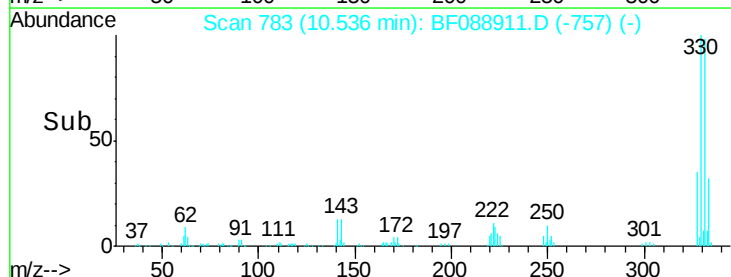
141 32.4 0.0 0.0#



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

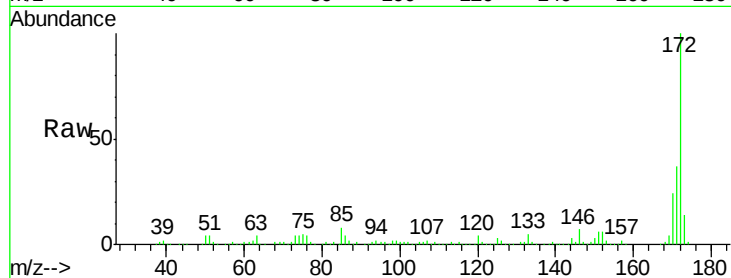




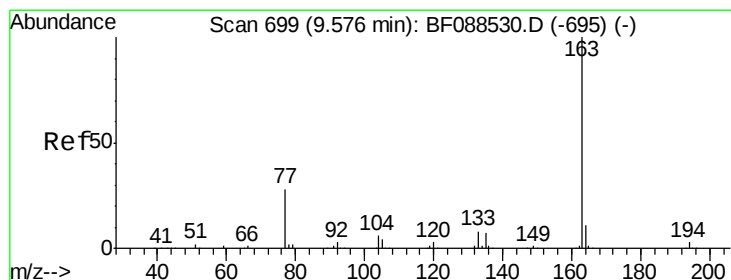
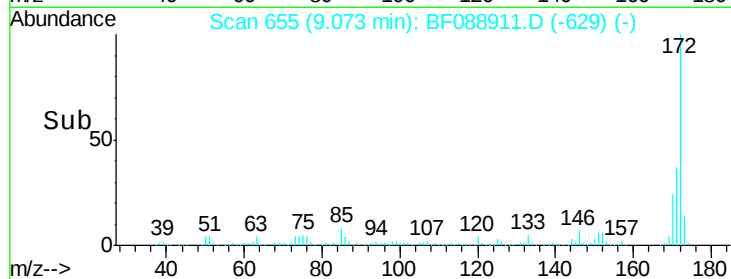
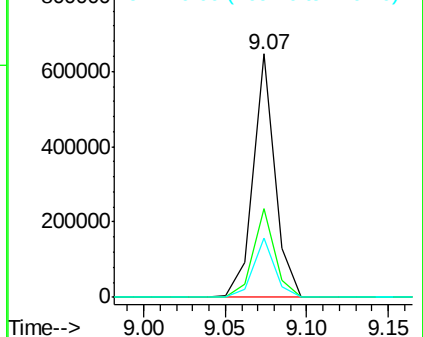
#44
2-Fluorobiphenyl
Concen: 76.61 ng
RT: 9.07 min Scan# 655
Delta R.T. 0.00 min
Lab File: BF088911.D
Acq: 11 Jul 2016 20:52

Instrument :
BNA_F
ClientSampleId :
N8-B4(0-5)C

Tgt Ion:172 Resp: 600115
Ion Ratio Lower Upper
172 100
171 36.6 28.6 43.0
170 24.1 19.2 28.8

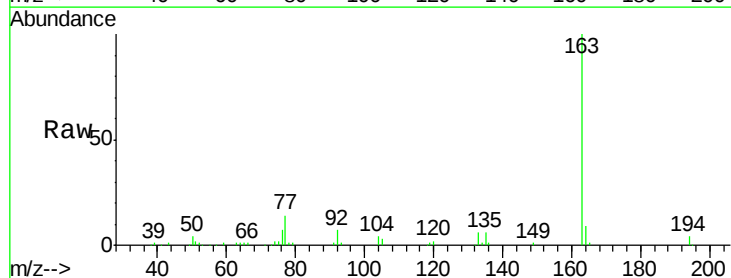


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

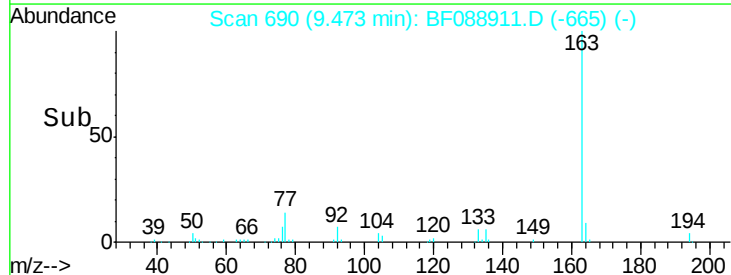
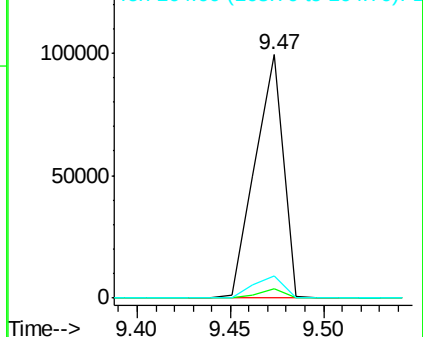


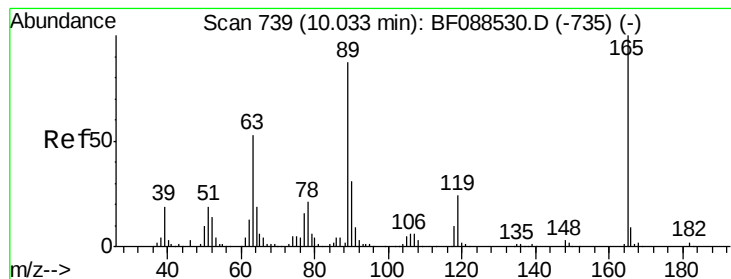
#49
Dimethylphthalate
Concen: 11.74 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088911.D
Acq: 11 Jul 2016 20:52

Tgt Ion:163 Resp: 103530
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.2 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: 6.15 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.19 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

Instrument :

BNA_F

ClientSampleId :

N8-B4(0-5)C

Tgt Ion:165 Resp: 15706

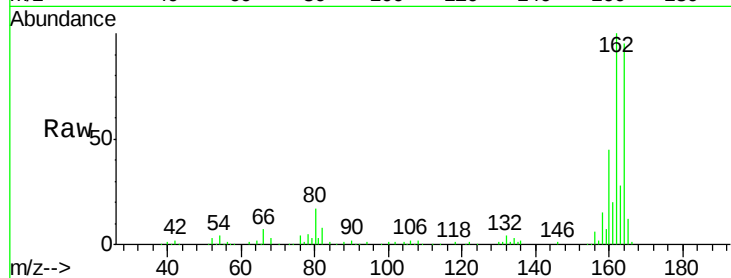
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

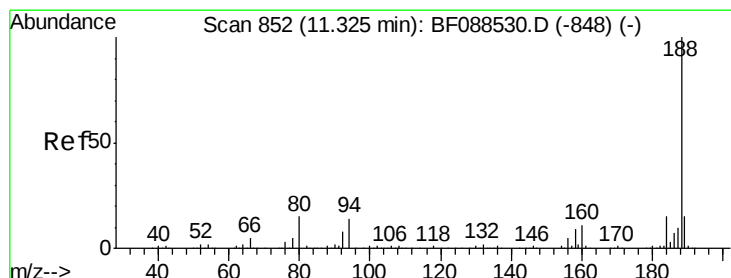
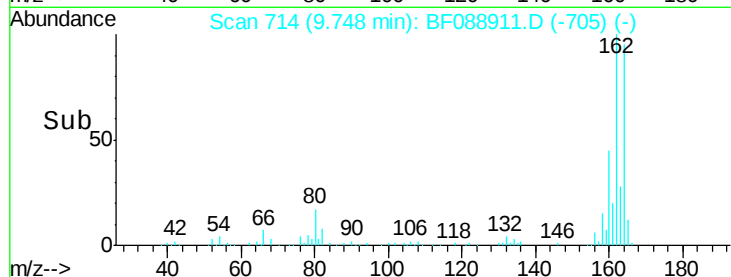
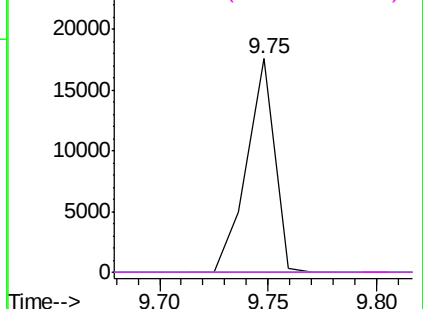


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.22 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

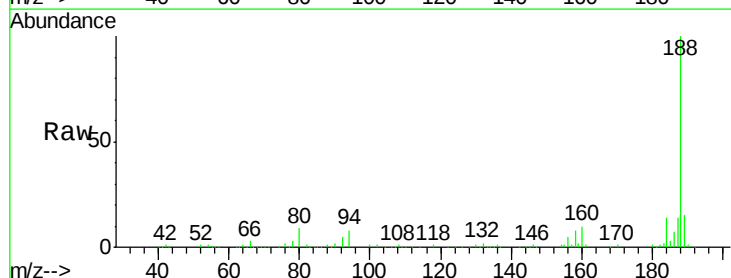
Tgt Ion:188 Resp: 205725

Ion Ratio Lower Upper

188 100

94 8.5 9.0 13.6#

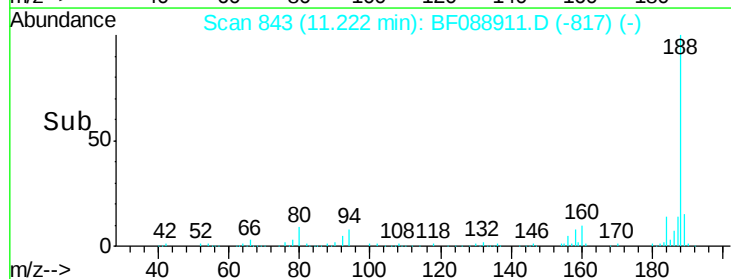
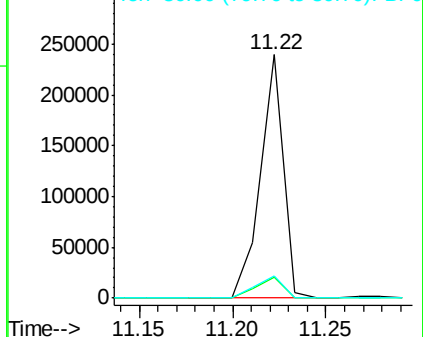
80 8.9 10.0 15.0#

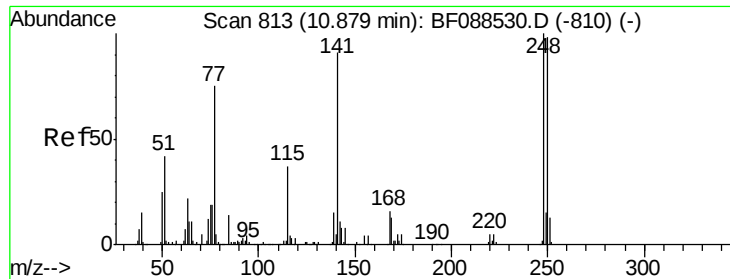


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

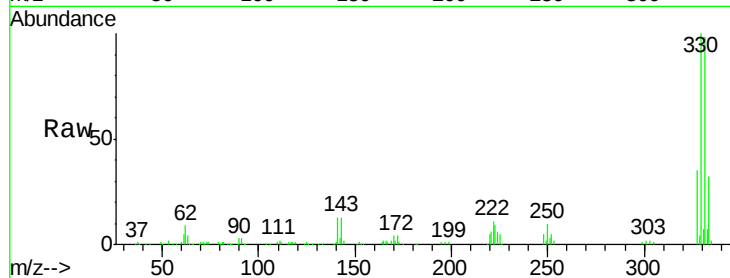




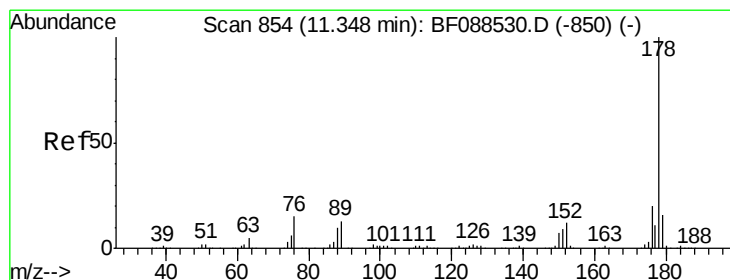
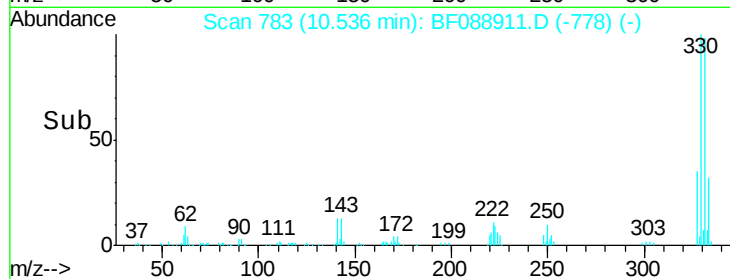
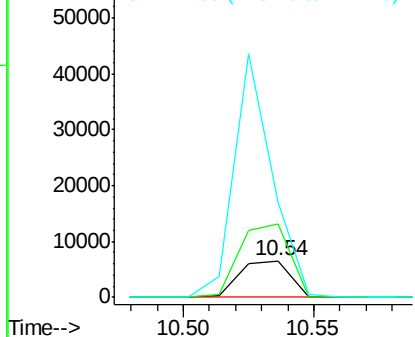
#66
 4-Bromophenyl-phenylether
 Concen: 4.23 ng
 RT: 10.54 min Scan# 783
 Delta R.T. -0.24 min
 Lab File: BF088911.D
 Acq: 11 Jul 2016 20:52

Instrument :
 BNA_F
 ClientSampleId :
 N8-B4(0-5)C

Tgt Ion:248 Resp: 8773
 Ion Ratio Lower Upper
 248 100
 250 201.2 77.1 115.7#
 141 262.1 50.6 76.0#

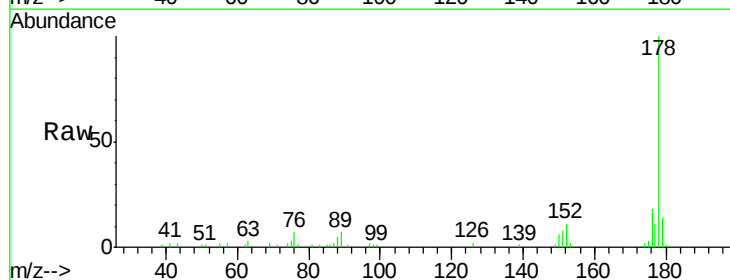


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

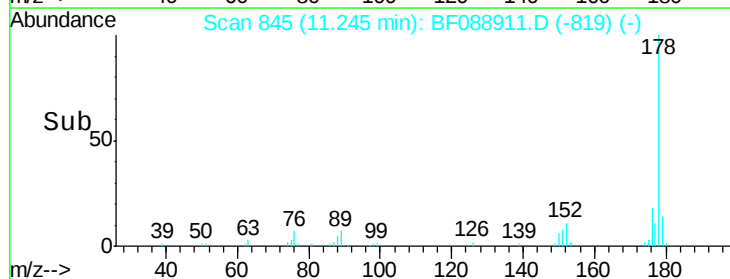
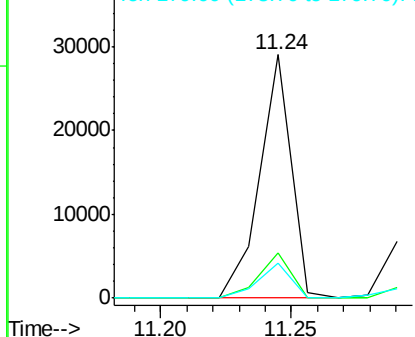


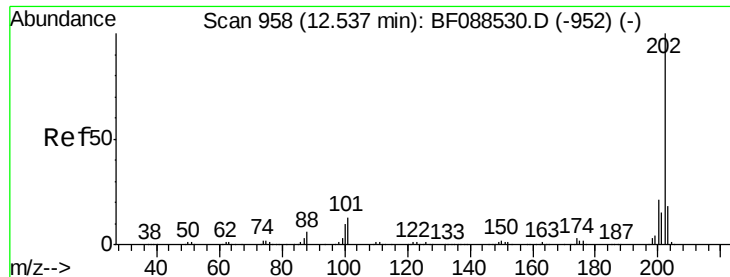
#70
 Phenanthrene
 Concen: 2.19 ng
 RT: 11.24 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: BF088911.D
 Acq: 11 Jul 2016 20:52

Tgt Ion:178 Resp: 24666
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.6
 179 14.2 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

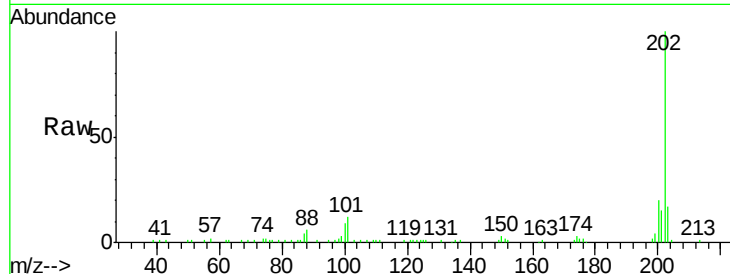




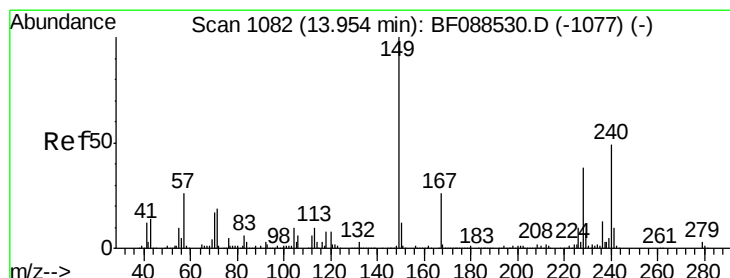
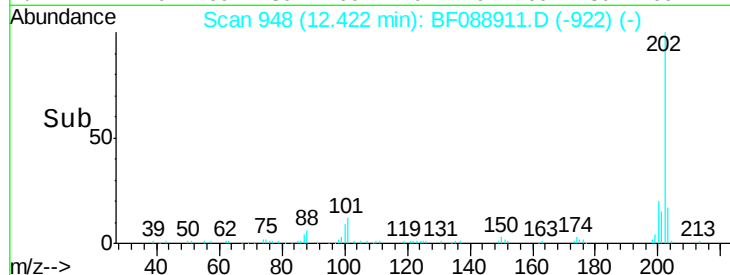
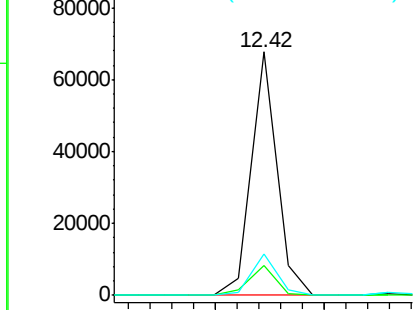
#74
Fluoranthene
Concen: 4.85 ng
RT: 12.42 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF088911.D
Acq: 11 Jul 2016 20:52

Instrument :
BNA_F
ClientSampleId :
N8-B4(0-5)C

Tgt Ion: 202 Resp: 55323
Ion Ratio Lower Upper
202 100
101 12.1 0.0 33.1
203 17.1 0.0 38.1

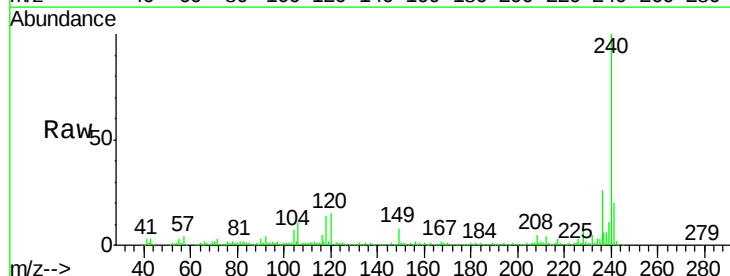


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

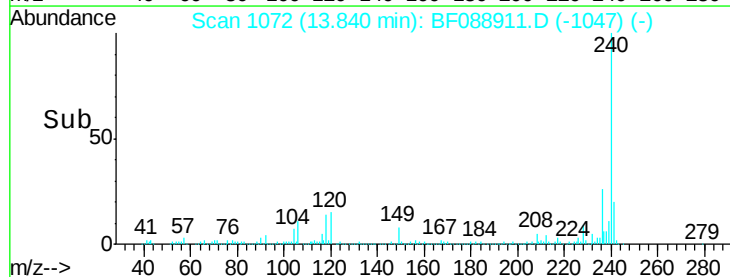
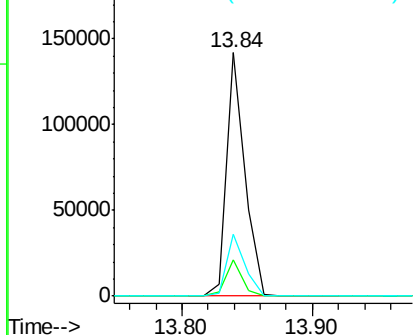


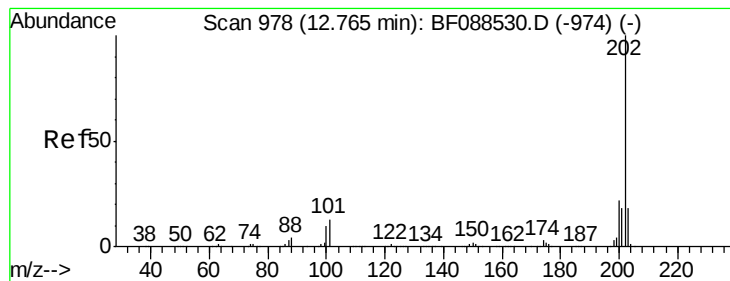
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BF088911.D
Acq: 11 Jul 2016 20:52

Tgt Ion: 240 Resp: 138672
Ion Ratio Lower Upper
240 100
120 14.8 6.8 10.2#
236 25.6 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.98 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

Instrument :

BNA_F

ClientSampleId :

N8-B4(0-5)C

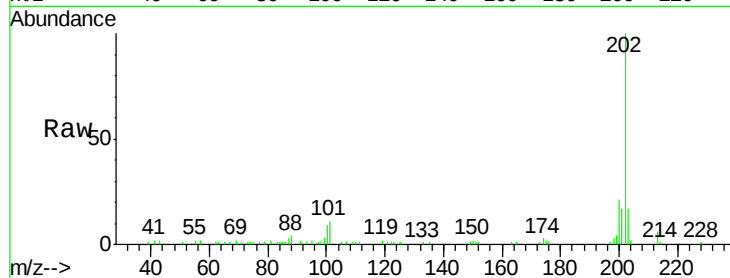
Tgt Ion:202 Resp: 46775

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

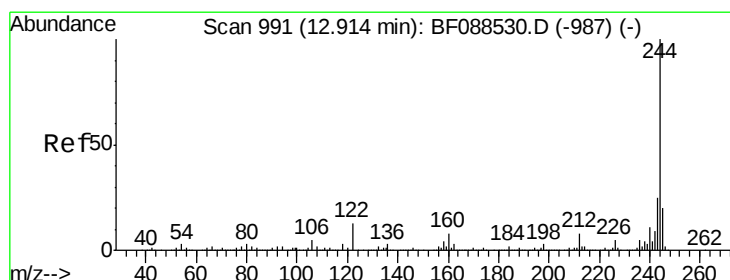
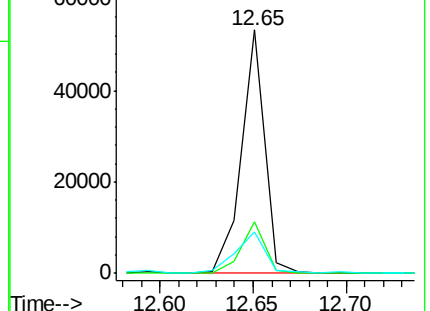
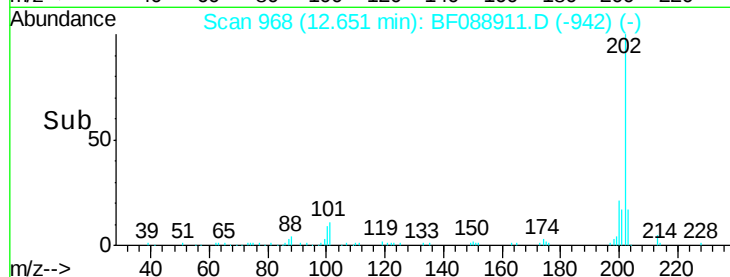
203 16.9 14.5 21.7



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: 75.49 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.01 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

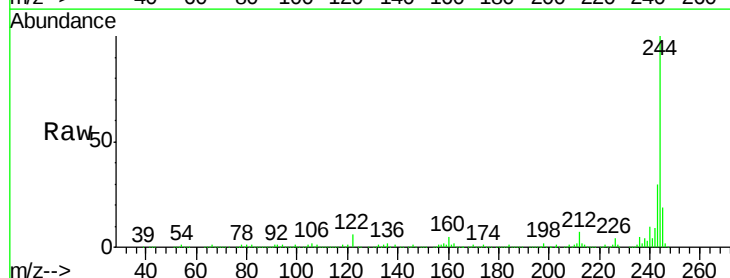
Tgt Ion:244 Resp: 470010

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

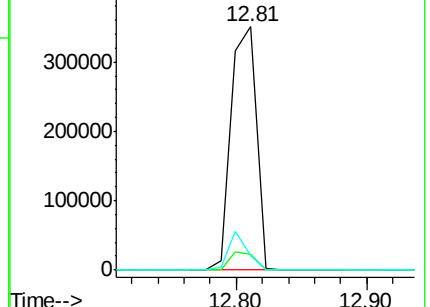
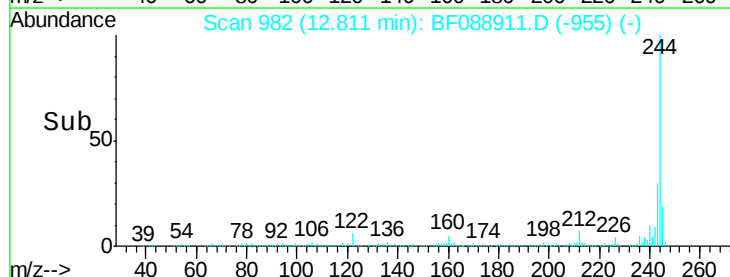
122 5.9 11.2 16.8#

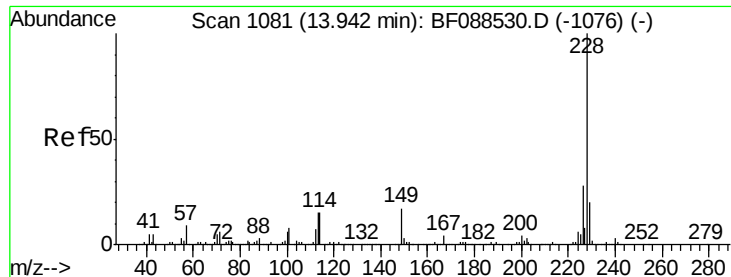


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.41 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

Instrument :

BNA_F

ClientSampleId :

N8-B4(0-5)C

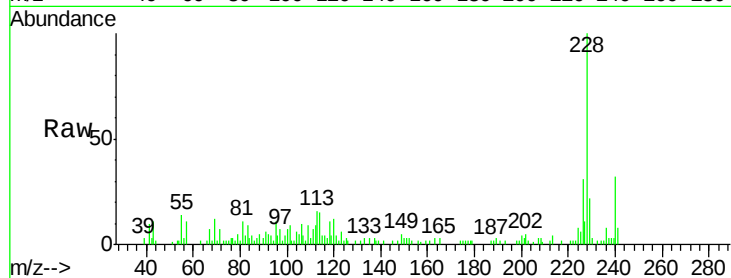
Tgt Ion:228 Resp: 30485

Ion Ratio Lower Upper

228 100

226 31.2 22.3 33.5

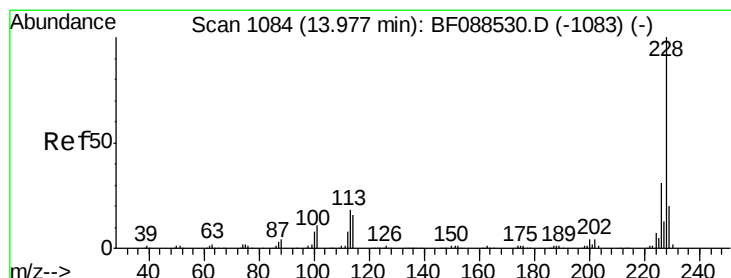
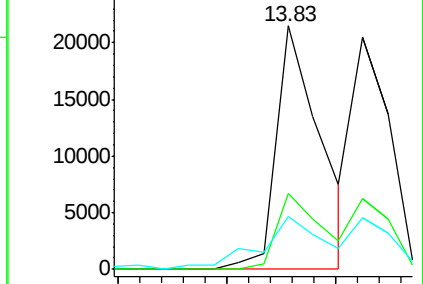
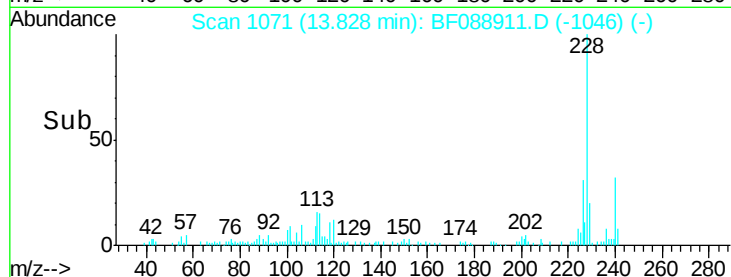
229 21.9 16.0 24.0



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: 3.45 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

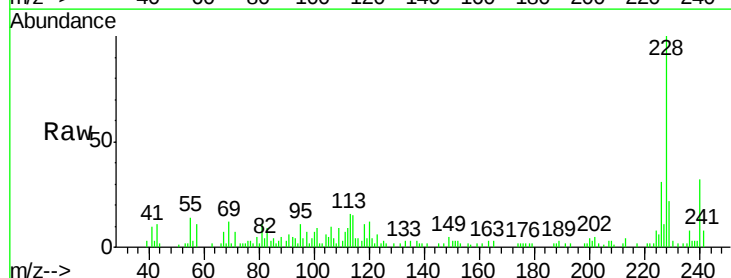
Tgt Ion:228 Resp: 30485

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.2

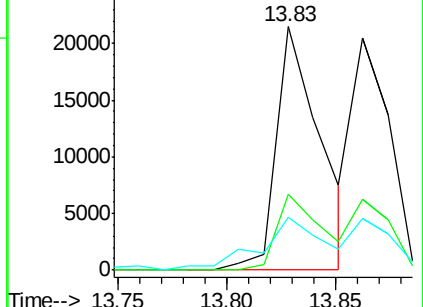
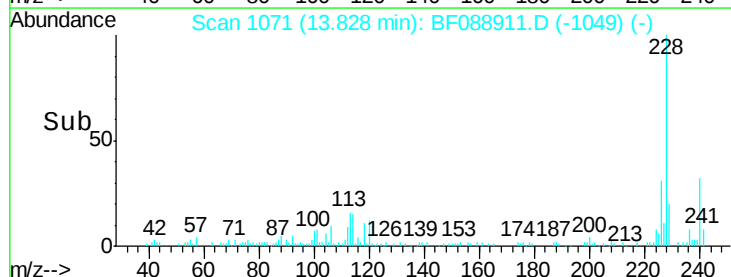
229 21.9 16.3 24.5

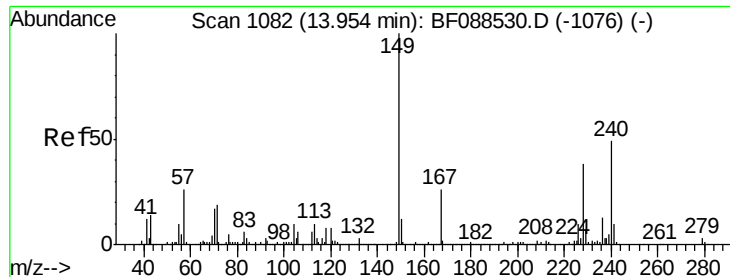


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

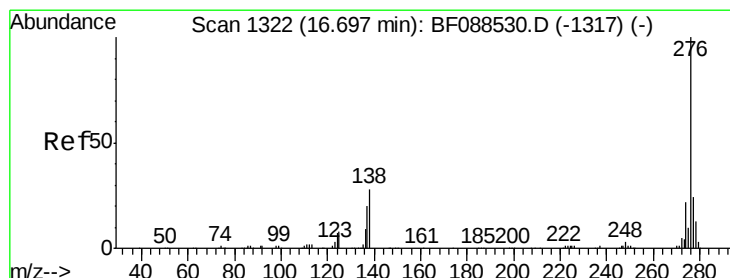
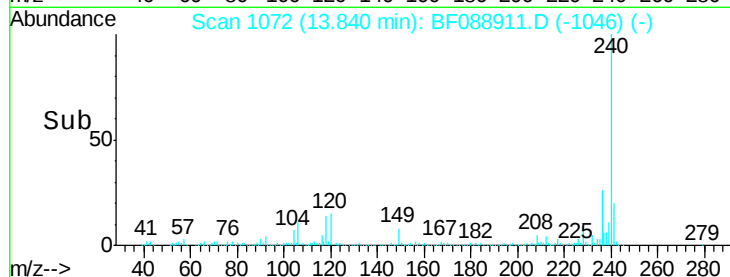
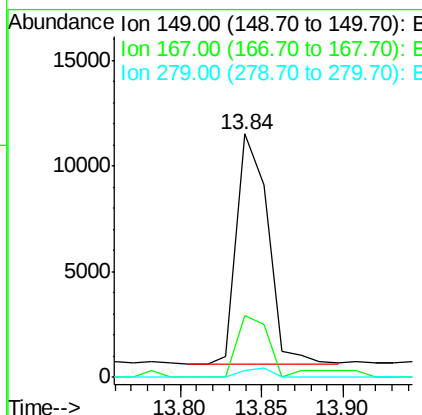
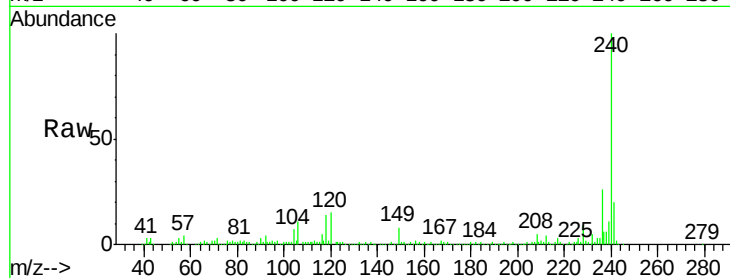




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.38 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: BF088911.D
 Acq: 11 Jul 2016 20:52

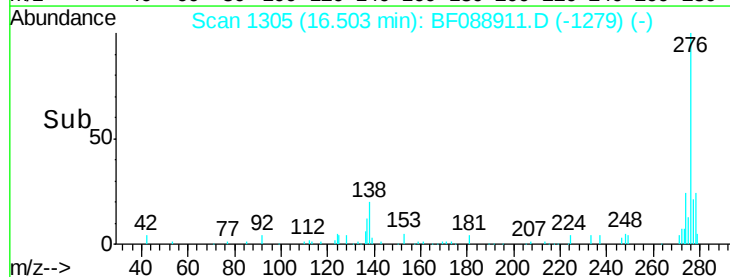
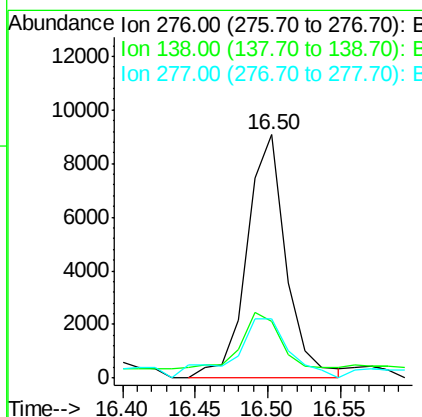
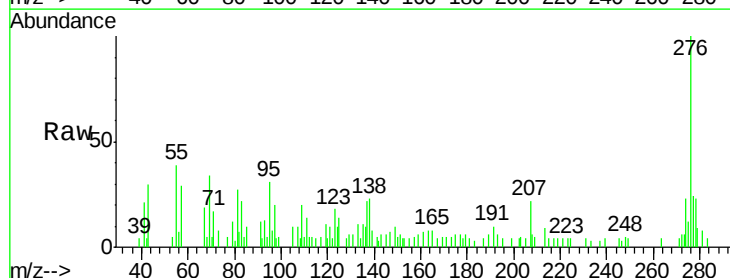
Instrument :
 BNA_F
 ClientSampleId :
 N8-B4(0-5)C

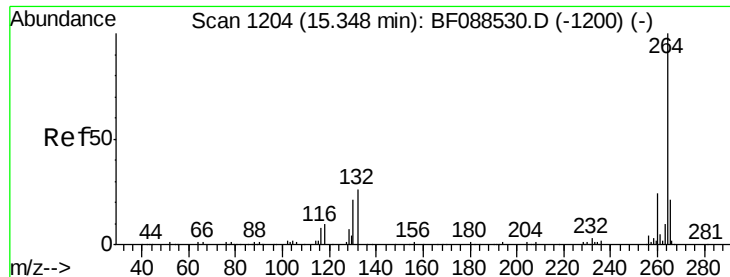
Tgt Ion:149 Resp: 14276
 Ion Ratio Lower Upper
 149 100
 167 25.3 20.5 30.7
 279 2.7 2.0 3.0



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.52 ng
 RT: 16.50 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF088911.D
 Acq: 11 Jul 2016 20:52

Tgt Ion:276 Resp: 17098
 Ion Ratio Lower Upper
 276 100
 138 27.2 0.0 0.0#
 277 34.0 0.0 0.0#



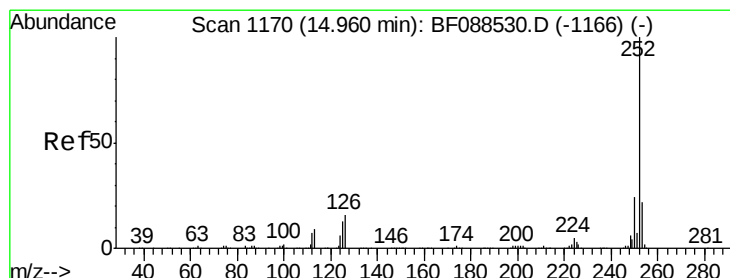
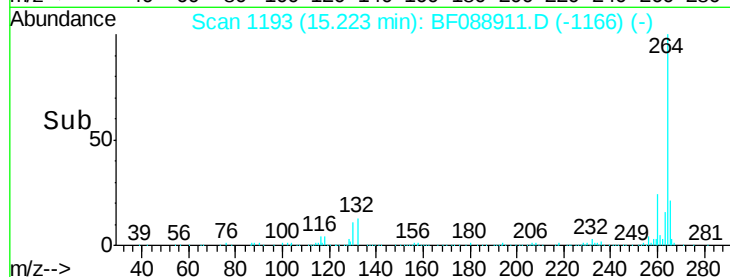
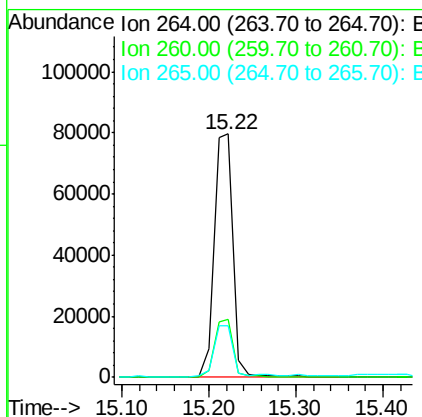
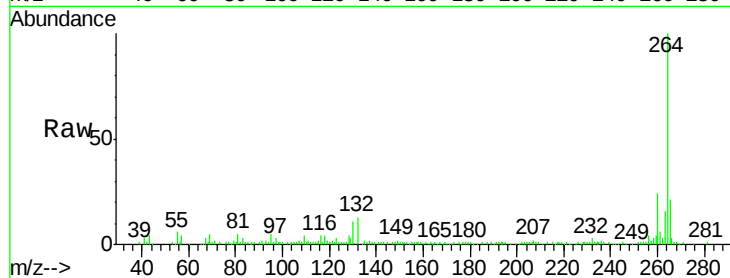


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF088911.D
Acq: 11 Jul 2016 20:52

Instrument :
BNA_F
ClientSampleId :
N8-B4(0-5)C

Tgt Ion: 264 Resp: 121807

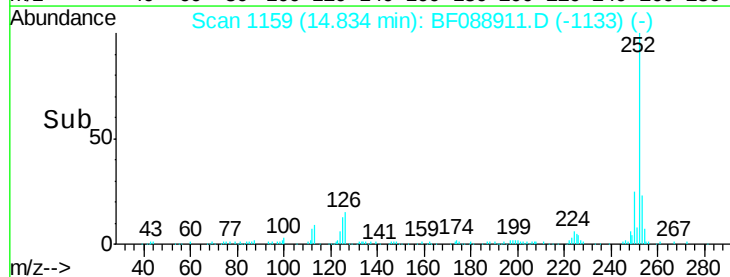
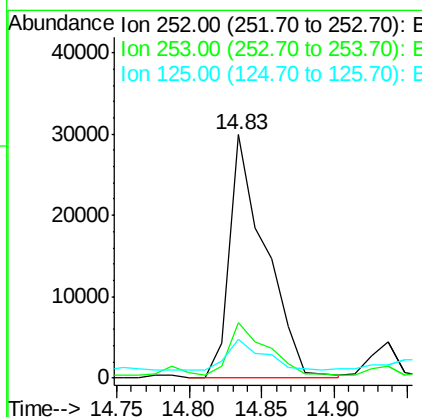
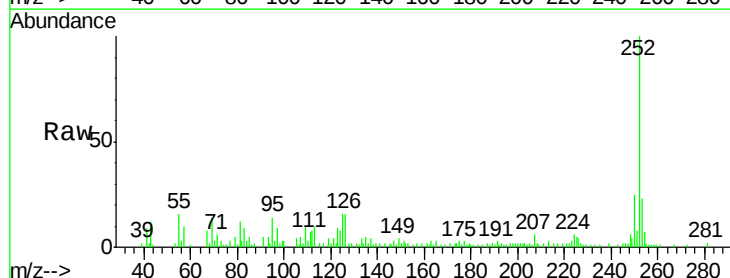
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.1	16.9	25.3

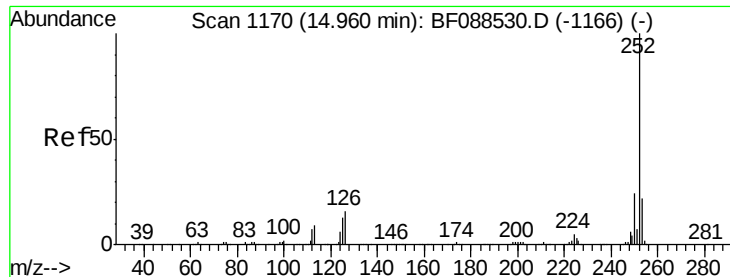


#87
Benzo(b)fluoranthene
Concen: 6.76 ng
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088911.D
Acq: 11 Jul 2016 20:52

Tgt Ion: 252 Resp: 51646

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	16.1	7.1	10.7





#88

Benzo(k)fluoranthene

Concen: 7.76 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

Instrument :

BNA_F

ClientSampleId :

N8-B4(0-5)C

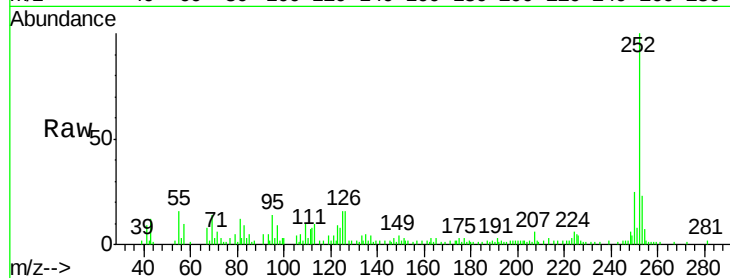
Tgt Ion:252 Resp: 51646

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

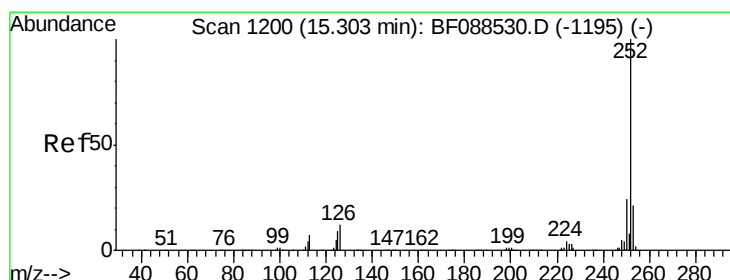
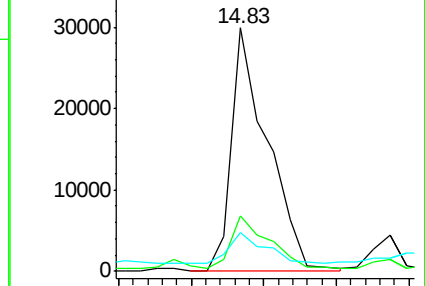
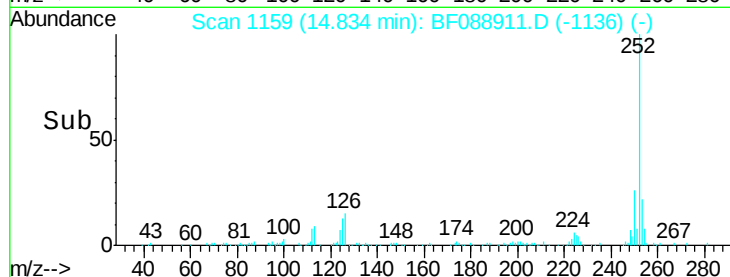
125 16.1 11.2 16.8



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



#89

Benzo(a)pyrene

Concen: 3.54 ng

RT: 15.15 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF088911.D

Acq: 11 Jul 2016 20:52

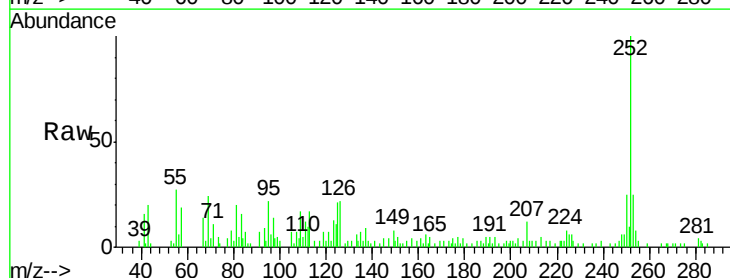
Tgt Ion:252 Resp: 22879

Ion Ratio Lower Upper

252 100

253 25.4 17.9 26.9

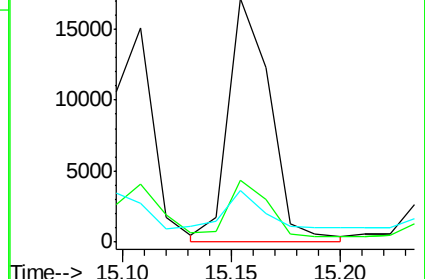
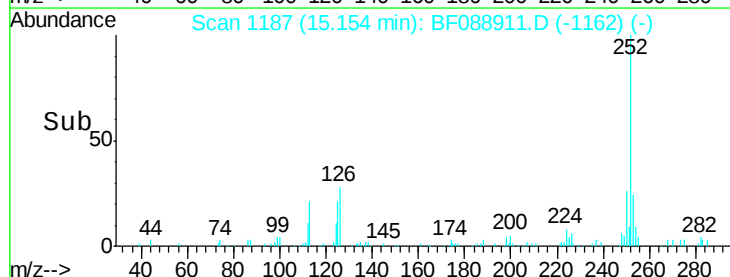
125 21.1 12.5 18.7#

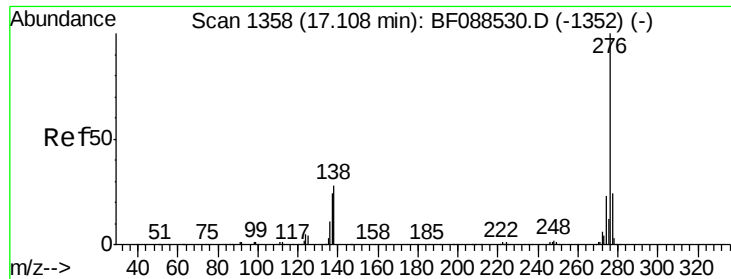


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.18 ng
 RT: 16.88 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF088911.D
 Acq: 11 Jul 2016 20:52

Instrument :
 BNA_F
 ClientSampleId :
 N8-B4(0-5)C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	30.3	21.4	32.2

