

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089108.D
 Acq On : 19 Jul 2016 5:06
 Operator : UM/SJ
 Sample : H4048-02RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Quant Time: Jul 19 05:35:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 03:29:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	52748	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	208076	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	79878	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	138223	20.00	ng	0.00
75) Chrysene-d12	13.78	240	104077	20.00	ng	0.01
86) Perylene-d12	15.13	264	79321	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	287980	81.82	ng	0.01
7) Phenol-d6	6.30	99	334442	73.54	ng	0.00
23) Nitrobenzene-d5	7.21	82	246523	62.09	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	53410	72.01	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	366592	72.49	ng	0.00
78) Terphenyl-d14	12.73	244	268068	57.37	ng	0.00

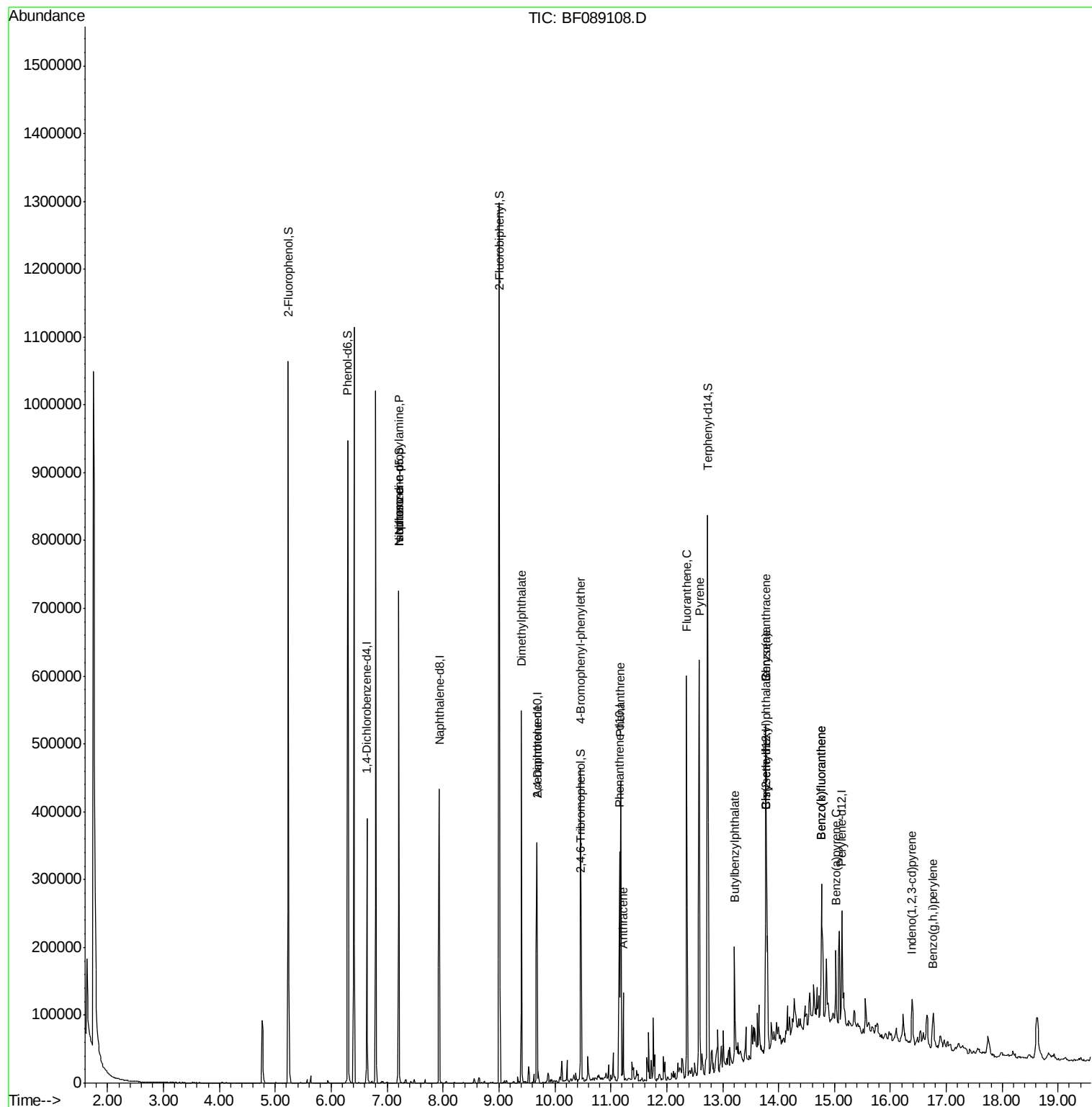
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.21	70	33528	10.98	ng	# 73
25) Isophorone	7.21	82	180583	24.55	ng	# 65
49) Dimethylphthalate	9.40	163	199640	35.08	ng	99
56) 2,4-Dinitrotoluene	9.68	165	10170	6.17	ng	# 36
66) 4-Bromophenyl-phenylether	10.46	248	4130	2.96	ng	# 1
70) Phenanthrene	11.18	178	163477	21.64	ng	98
71) Anthracene	11.22	178	42556	5.66	ng	98
74) Fluoranthene	12.35	202	253227	33.06	ng	97
77) Pyrene	12.58	202	224766	25.47	ng	99
79) Butylbenzylphthalate	13.21	149	33286	8.46	ng	# 82
80) Benzo(a)anthracene	13.77	228	107687	16.07	ng	98
82) Chrysene	13.77	228	107687	16.24	ng	97
83) Bis(2-ethylhexyl)phthalate	13.78	149	9921	2.21	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.39	276	36010	7.06	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	124435	25.01	ng	# 91
88) Benzo(k)fluoranthene	14.77	252	124435	28.73	ng	96
89) Benzo(a)pyrene	15.03	252	43537	10.33	ng	98
91) Benzo(g,h,i)perylene	16.77	276	33528	9.21	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: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

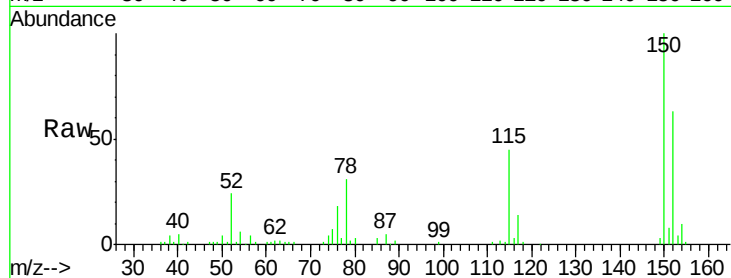
Tgt Ion:152 Resp: 52748

Ion Ratio Lower Upper

152 100

150 158.7 123.8 185.6

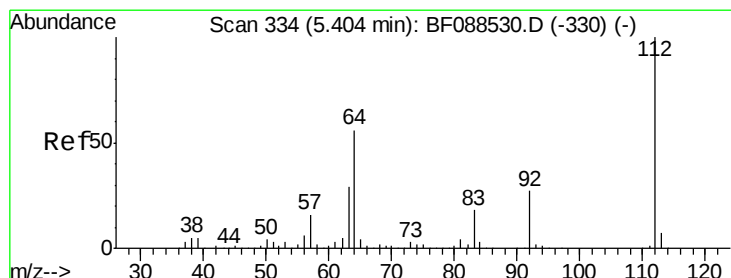
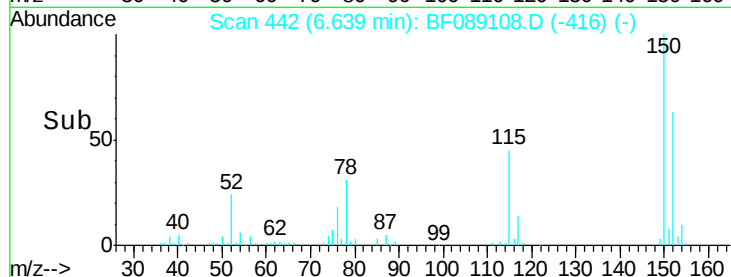
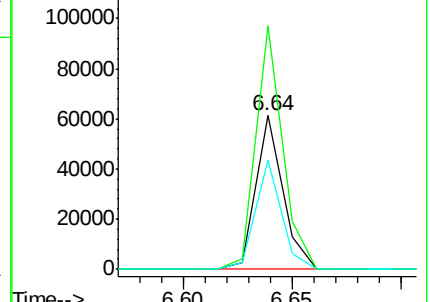
115 71.3 39.6 59.4#



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: 81.82 ng

RT: 5.23 min Scan# 319

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

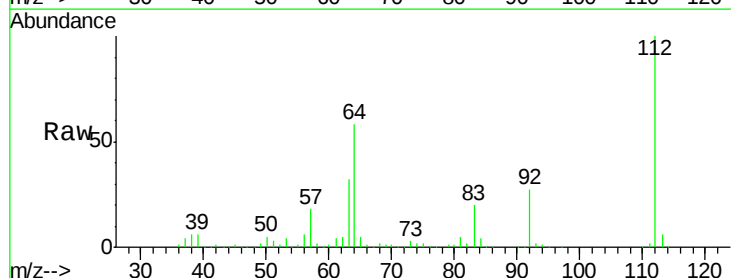
Tgt Ion:112 Resp: 287980

Ion Ratio Lower Upper

112 100

64 58.0 42.2 63.2

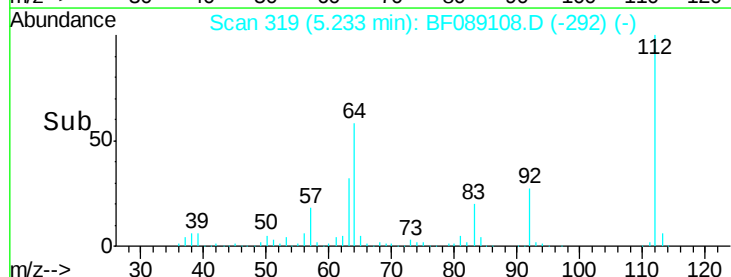
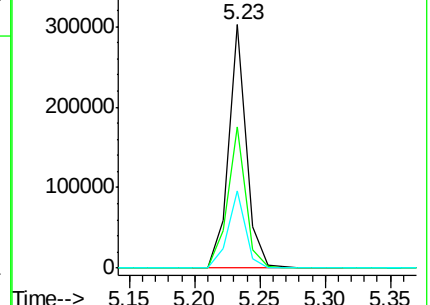
63 31.6 21.8 32.8



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: 73.54 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

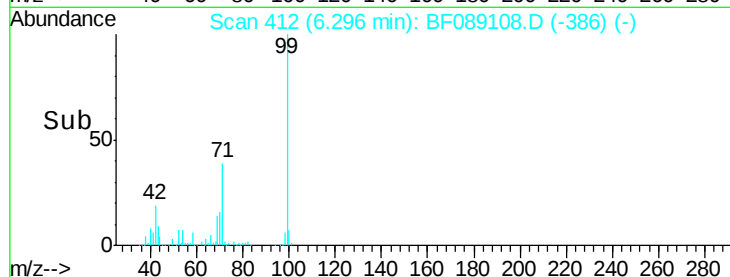
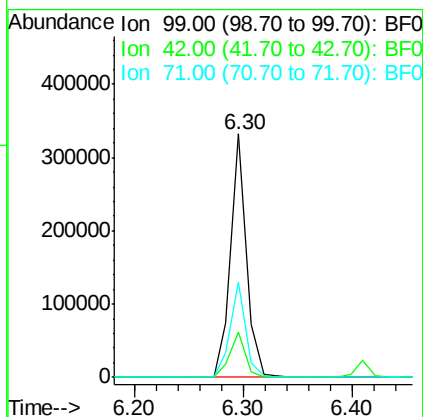
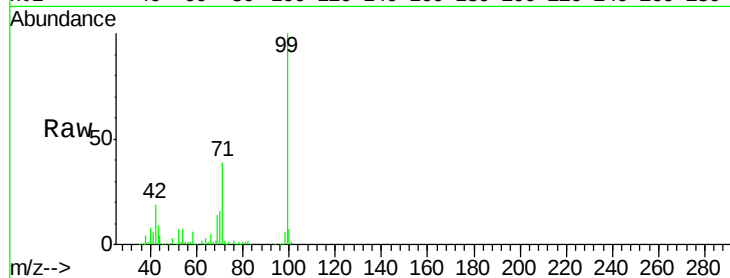
Tgt Ion: 99 Resp: 334442

Ion Ratio Lower Upper

99 100

42 18.7 12.2 18.2#

71 38.9 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 10.98 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.14 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Tgt Ion: 70 Resp: 33528

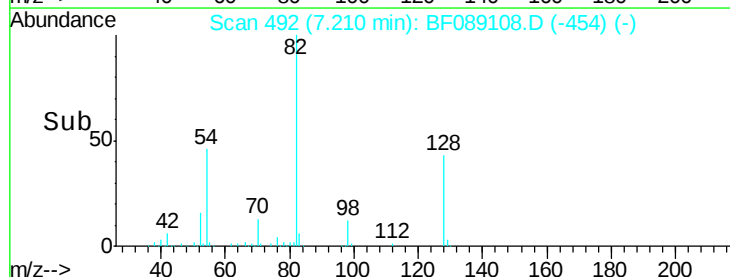
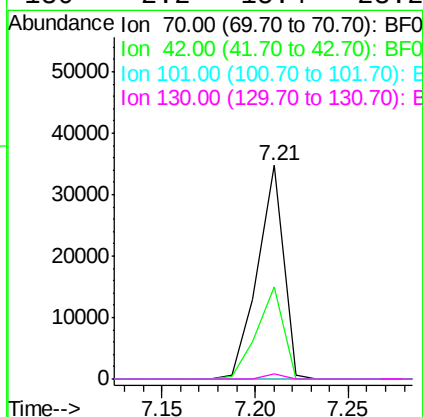
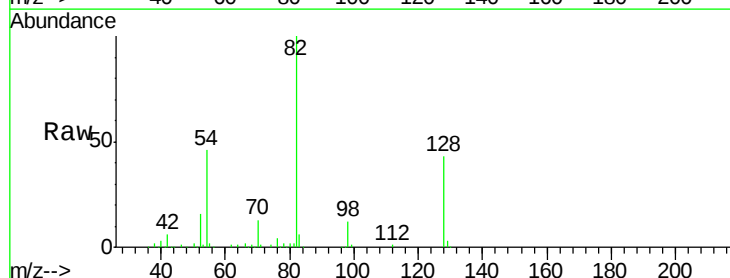
Ion Ratio Lower Upper

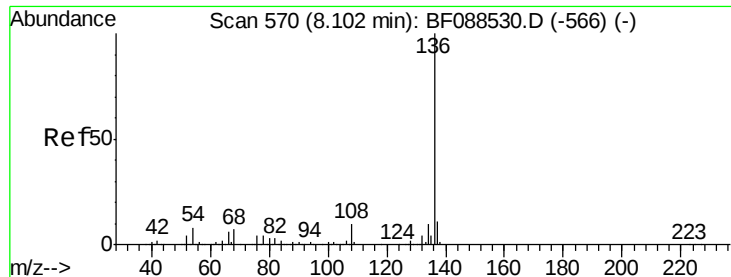
70 100

42 43.4 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: 7.93 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

Tgt Ion:136 Resp: 208076

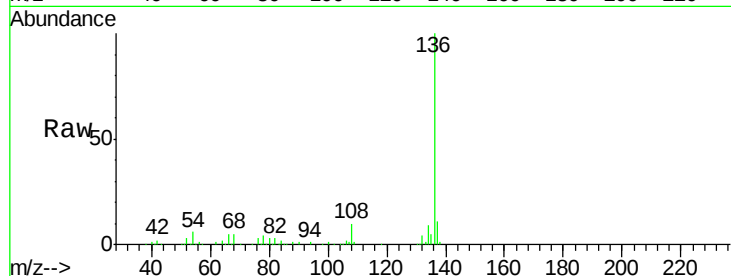
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.9 6.6 10.0#

68 4.6 5.1 7.7#

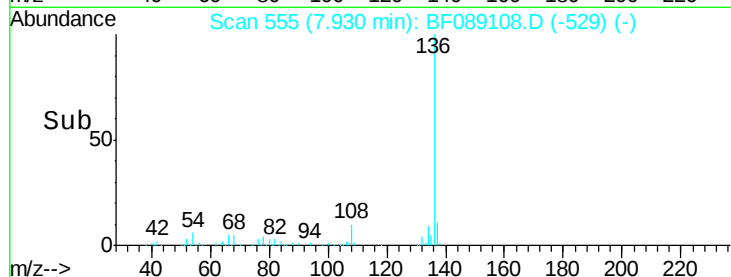
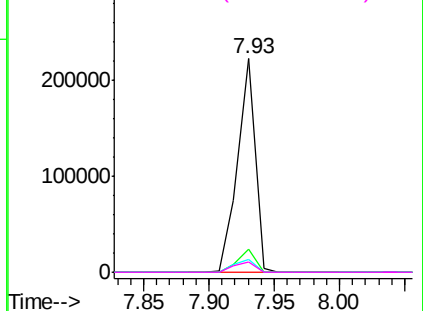


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 62.09 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

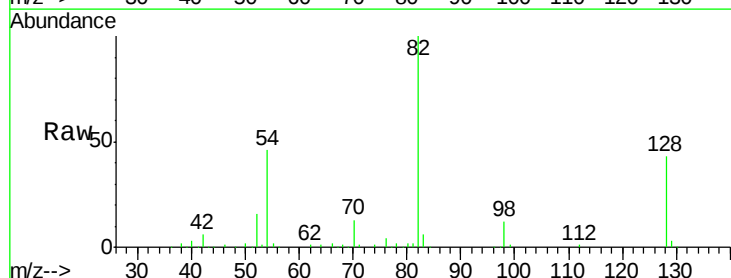
Tgt Ion: 82 Resp: 246523

Ion Ratio Lower Upper

82 100

128 43.0 35.9 53.9

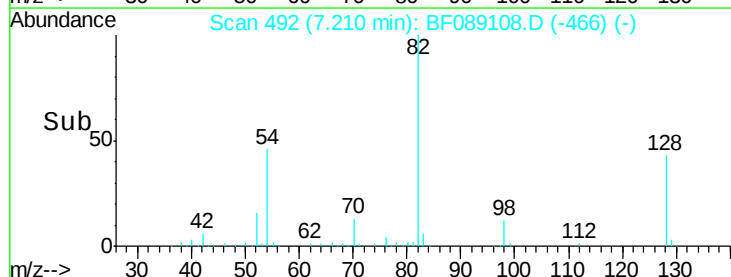
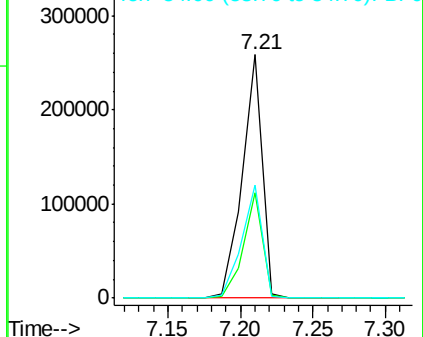
54 46.4 40.9 61.3

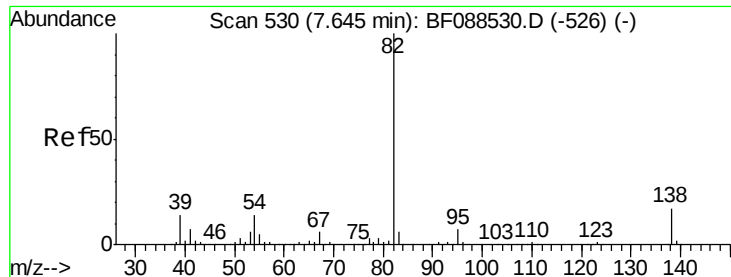


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 24.55 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.26 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

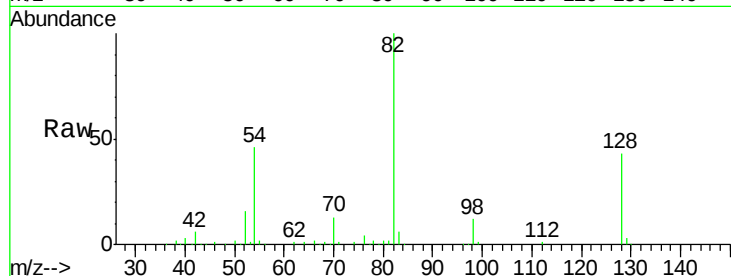
Tgt Ion: 82 Resp: 180583

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

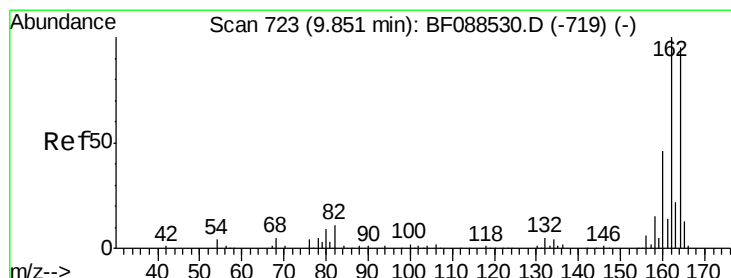
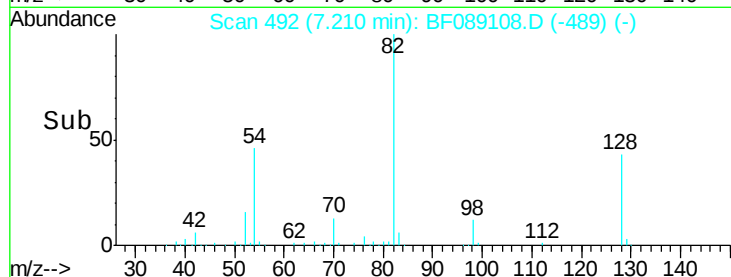
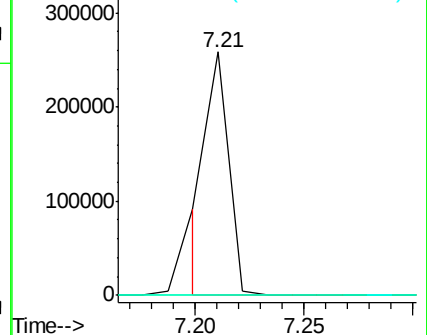
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

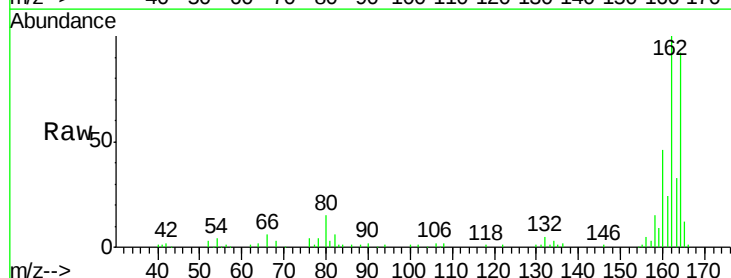
Tgt Ion: 164 Resp: 79878

Ion Ratio Lower Upper

164 100

162 108.6 85.4 128.2

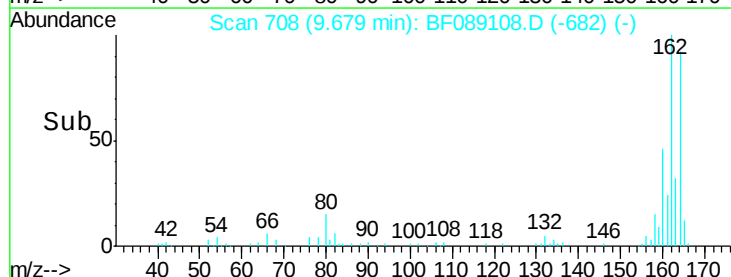
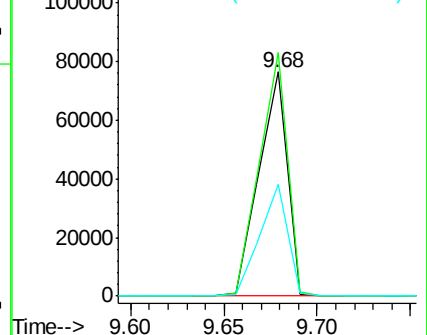
160 49.7 39.5 59.3



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

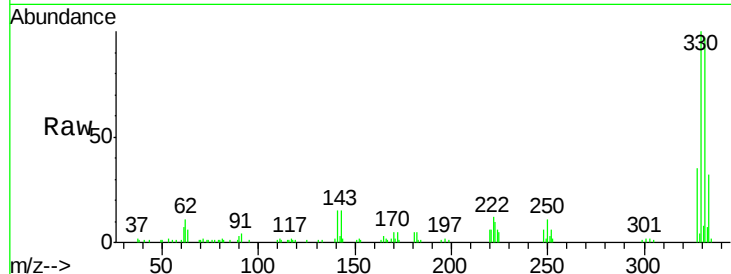




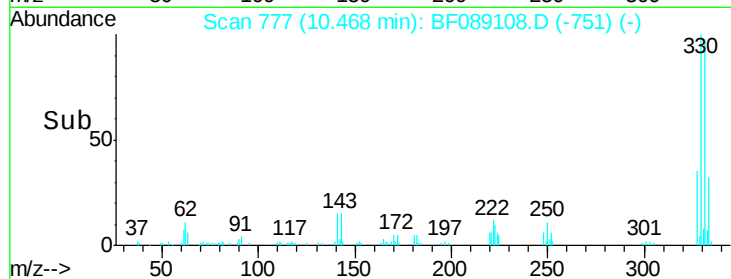
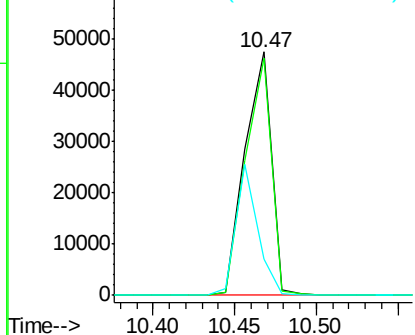
#41
 2,4,6-Tribromophenol
 Concen: 72.01 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: BF089108.D
 Acq: 19 Jul 2016 5:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tgt Ion:330 Resp: 53410
 Ion Ratio Lower Upper
 330 100
 332 95.5 0.0 0.0#
 141 44.3 0.0 0.0#

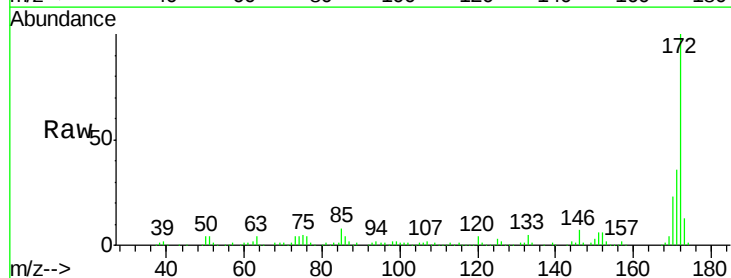


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

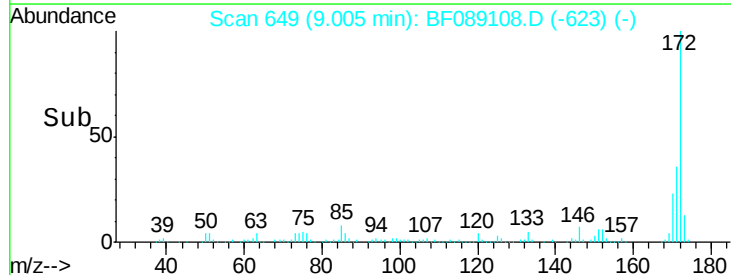
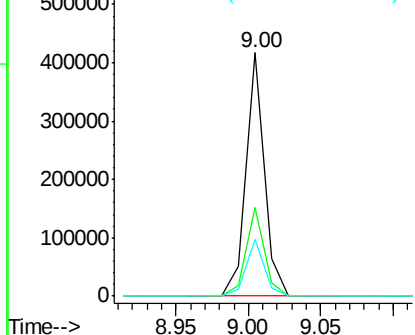


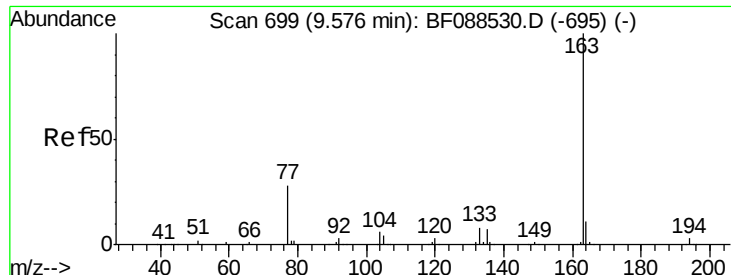
#44
 2-Fluorobiphenyl
 Concen: 72.49 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089108.D
 Acq: 19 Jul 2016 5:06

Tgt Ion:172 Resp: 366592
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 23.2 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

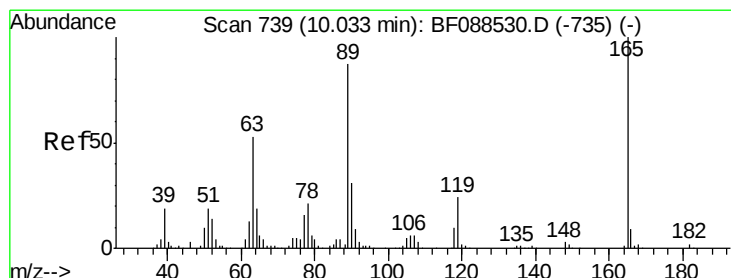
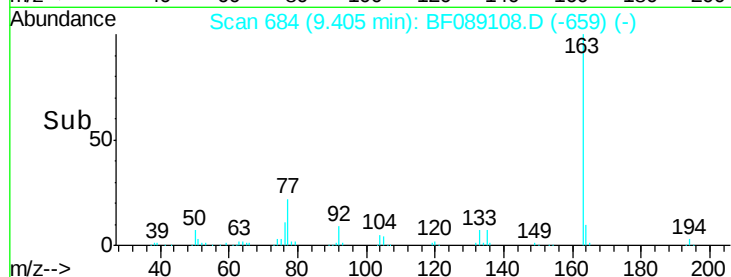
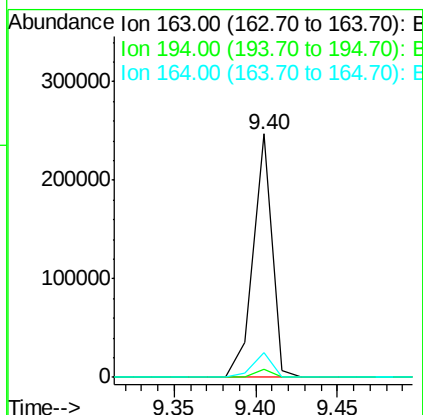
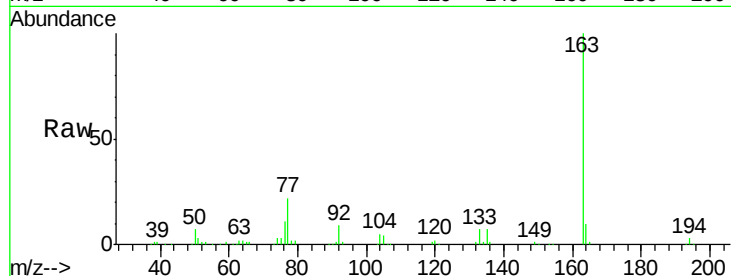




#49
Dimethylphthalate
Concen: 35.08 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

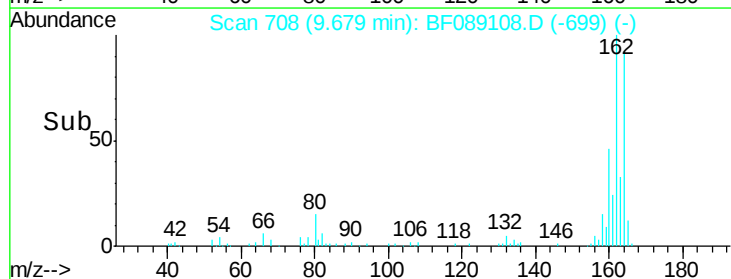
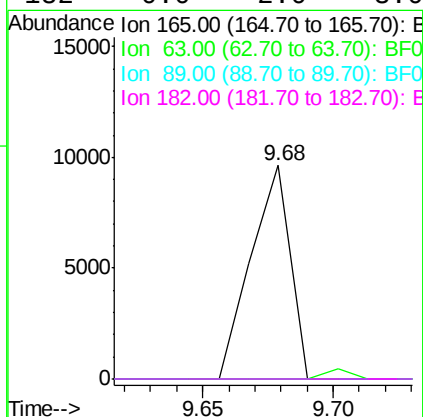
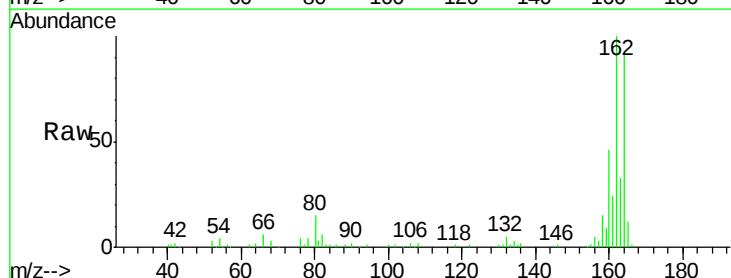
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion:163 Resp: 199640
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.1 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.17 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.19 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

Tgt Ion:165 Resp: 10170
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#

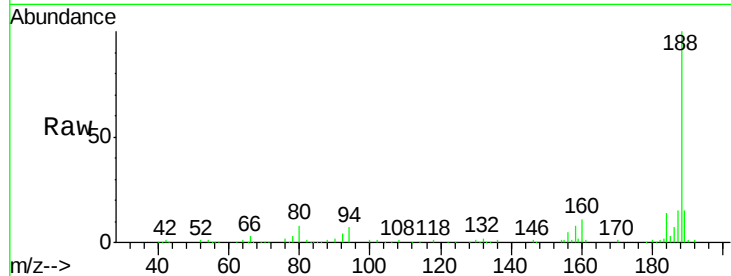




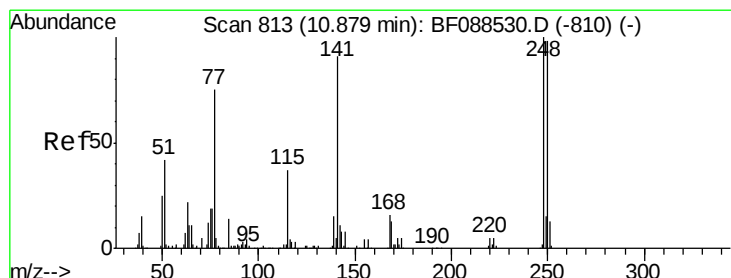
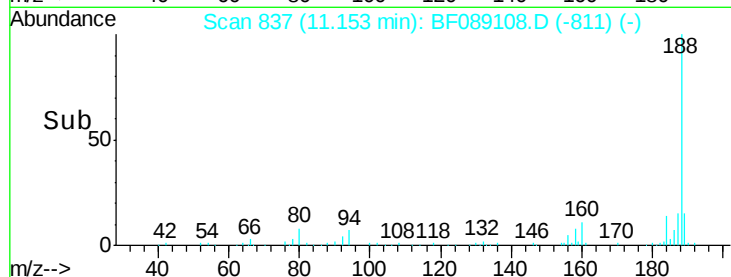
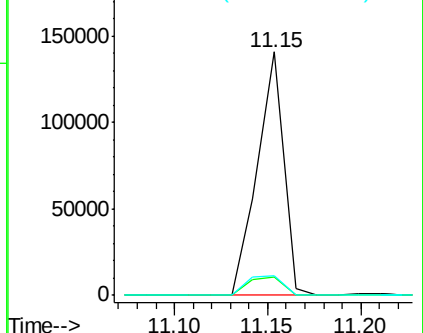
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion:188 Resp: 138223
Ion Ratio Lower Upper
188 100
94 7.4 9.0 13.6#
80 7.9 10.0 15.0#

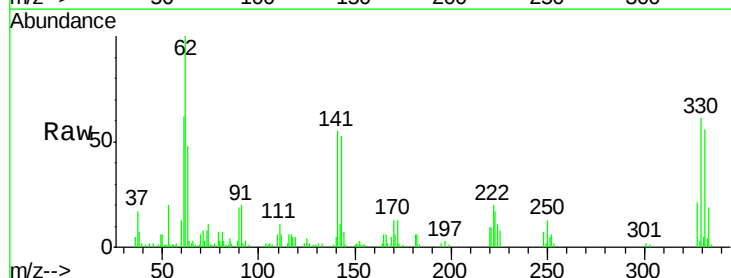


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

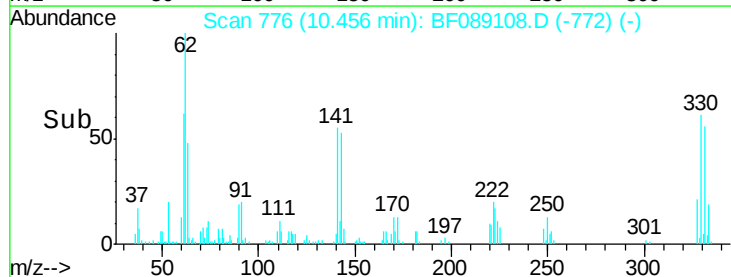
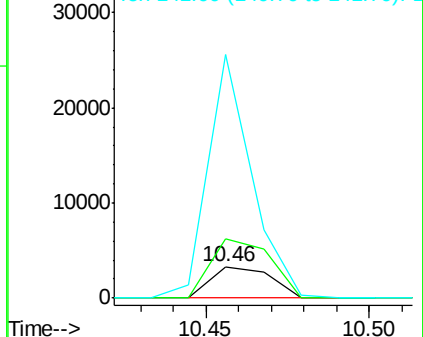


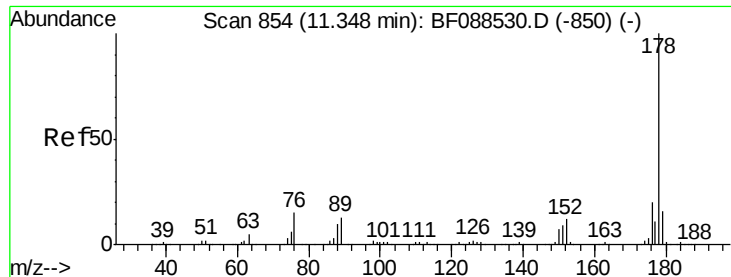
#66
4-Bromophenyl-phenylether
Concen: 2.96 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.25 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

Tgt Ion:248 Resp: 4130
Ion Ratio Lower Upper
248 100
250 189.9 77.1 115.7#
141 779.8 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

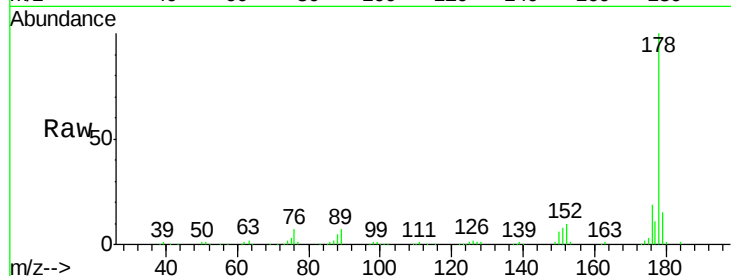




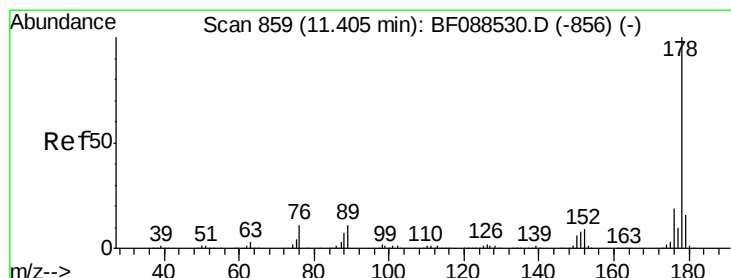
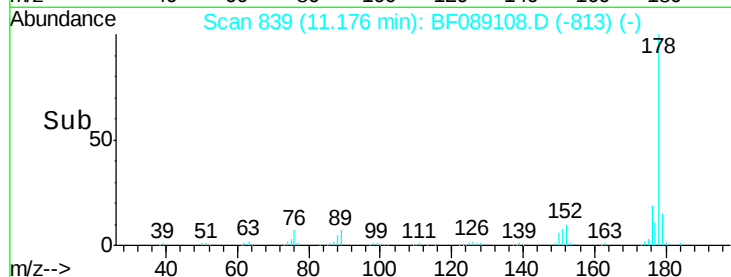
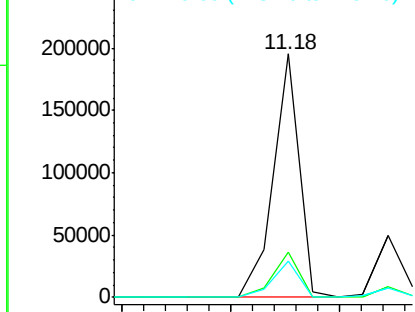
#70
Phenanthrene
Concen: 21.64 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion:178 Resp: 163477
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 14.9 13.0 19.4

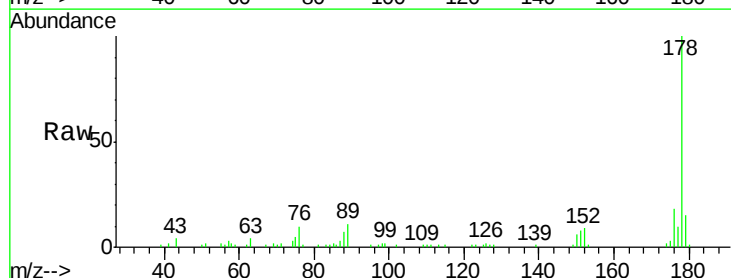


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

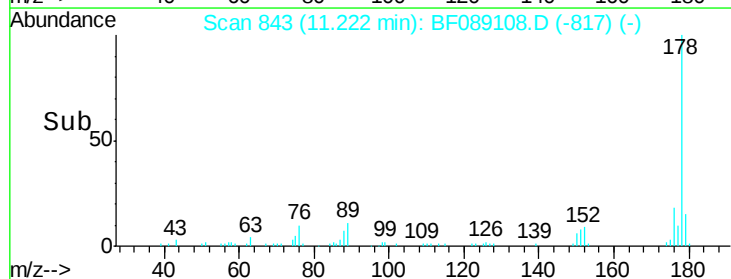
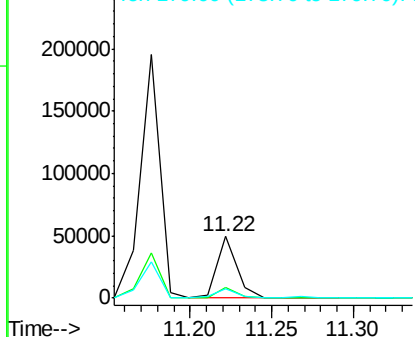


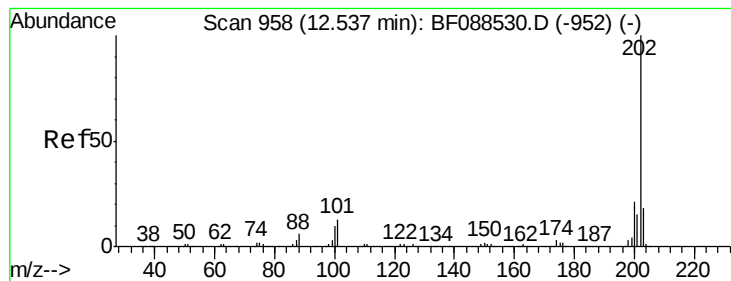
#71
Anthracene
Concen: 5.66 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

Tgt Ion:178 Resp: 42556
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.3 12.8 19.2



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: 33.06 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

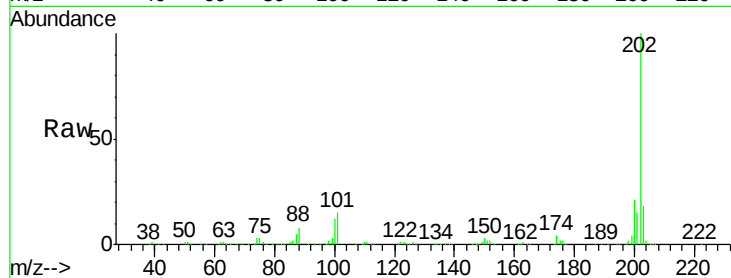
Tgt Ion: 202 Resp: 253227

Ion Ratio Lower Upper

202 100

101 15.2 0.0 33.1

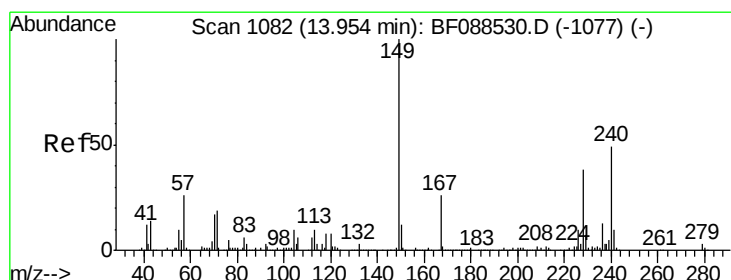
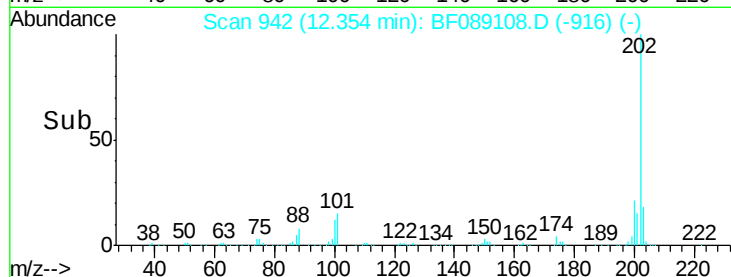
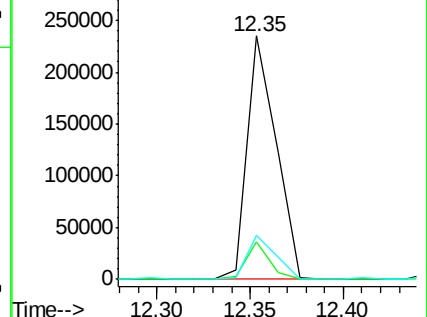
203 17.9 0.0 38.1



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: 13.78 min Scan# 1067

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

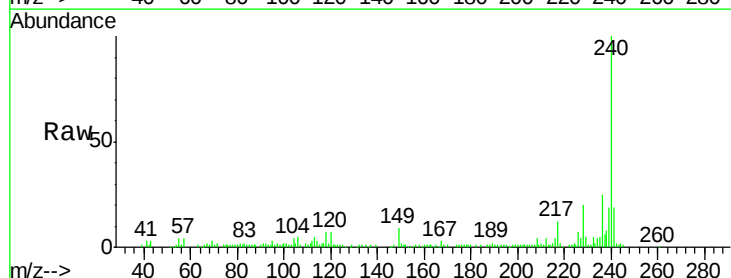
Tgt Ion: 240 Resp: 104077

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

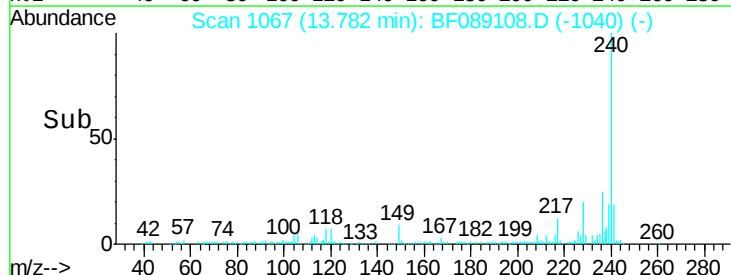
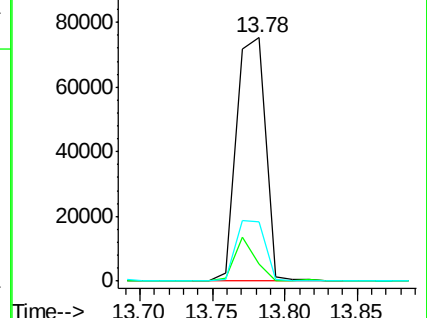
236 24.6 20.2 30.2

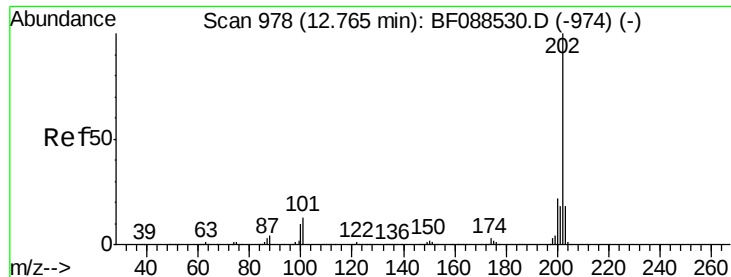


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 25.47 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

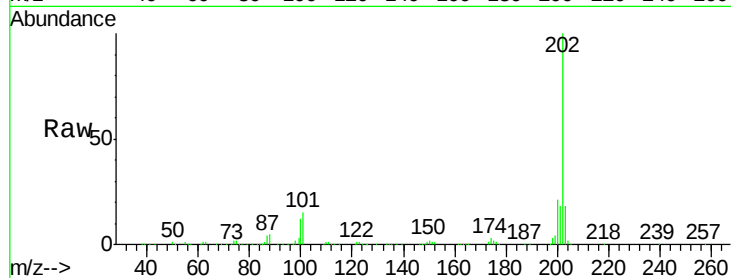
Tgt Ion: 202 Resp: 224766

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

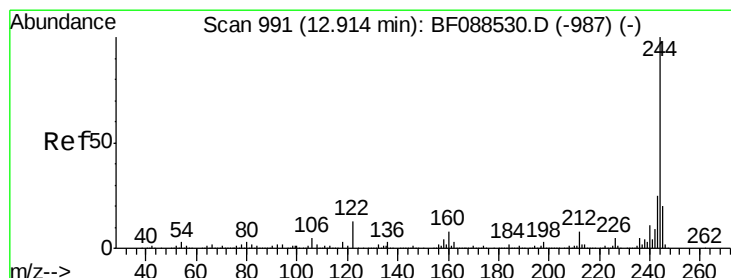
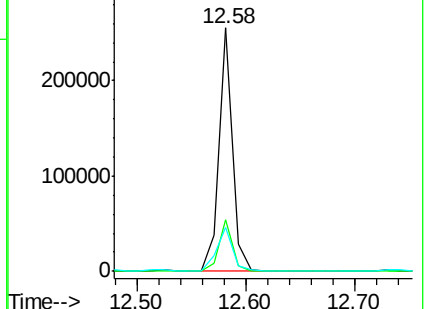
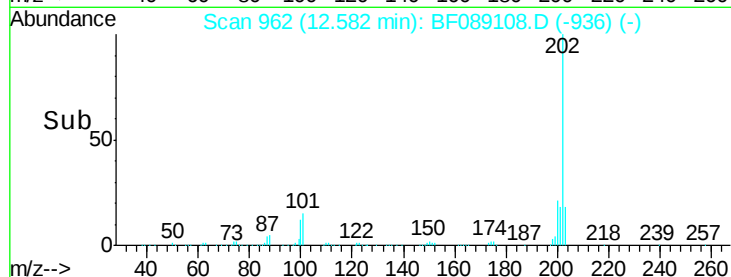
203 18.0 14.5 21.7



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: 57.37 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

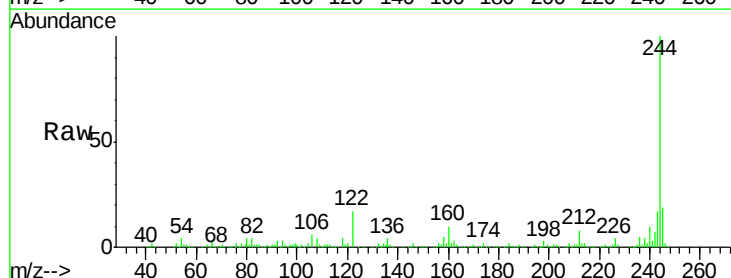
Tgt Ion: 244 Resp: 268068

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

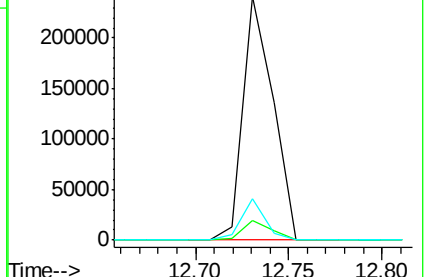
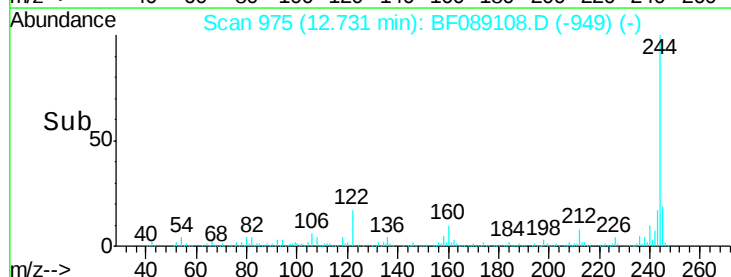
122 16.8 11.2 16.8#

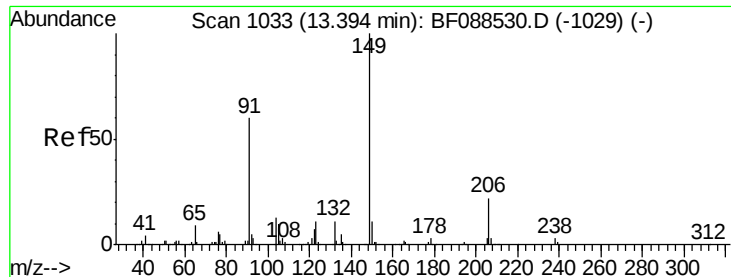


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

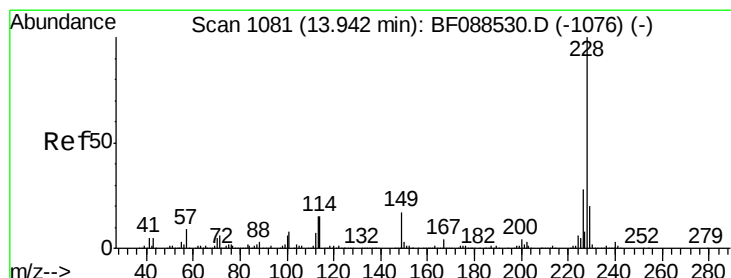
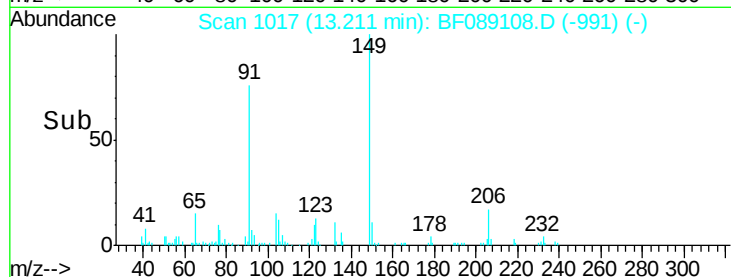
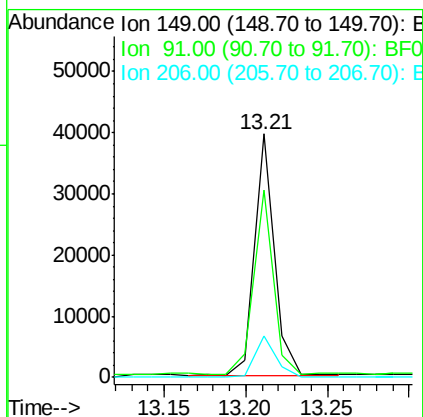
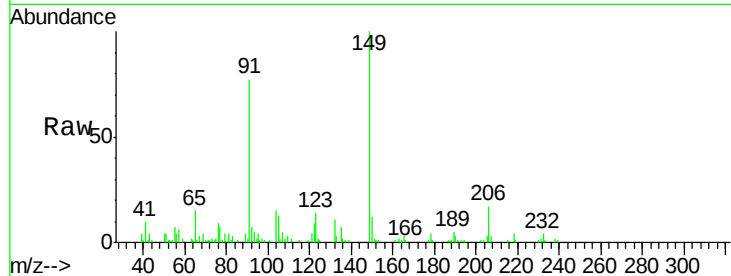




#79
Butylbenzylphthalate
Concen: 8.46 ng
RT: 13.21 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

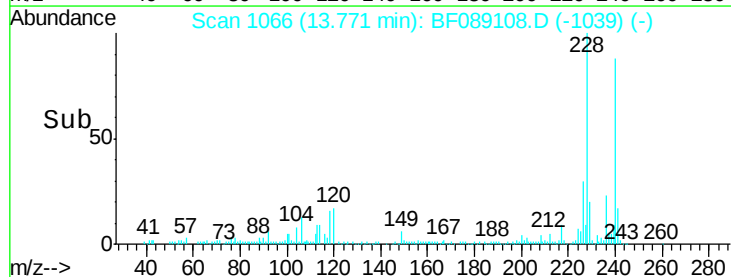
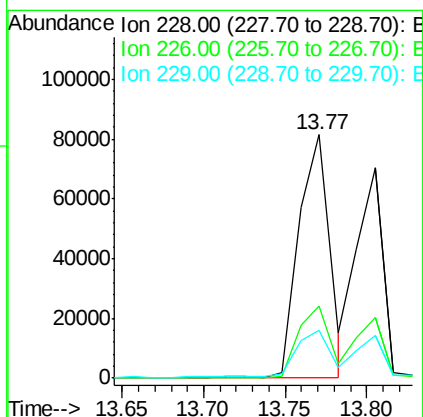
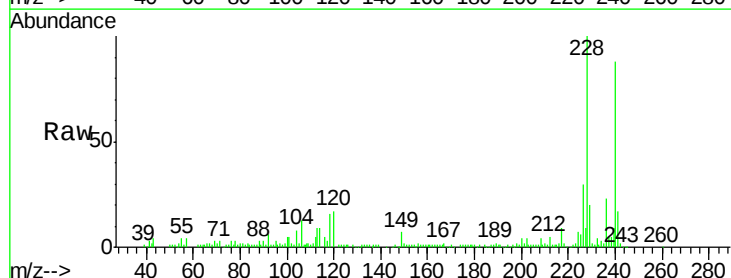
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

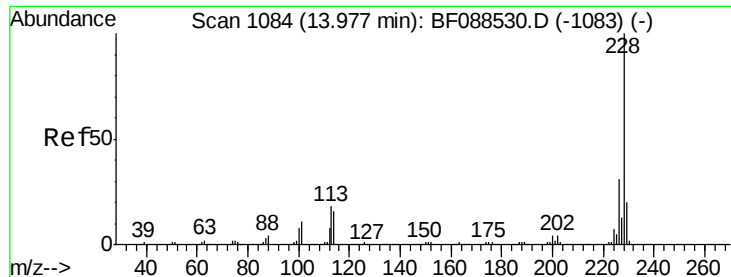
Tgt Ion:149 Resp: 33286
Ion Ratio Lower Upper
149 100
91 76.8 48.0 72.0#
206 16.8 16.0 24.0



#80
Benzo(a)anthracene
Concen: 16.07 ng
RT: 13.77 min Scan# 1066
Delta R.T. 0.01 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

Tgt Ion:228 Resp: 107687
Ion Ratio Lower Upper
228 100
226 29.8 22.3 33.5
229 19.5 16.0 24.0





#82

Chrysene

Concen: 16.24 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.03 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

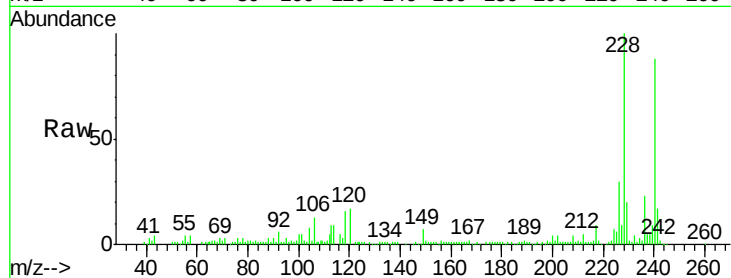
Tgt Ion:228 Resp: 107687

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.2

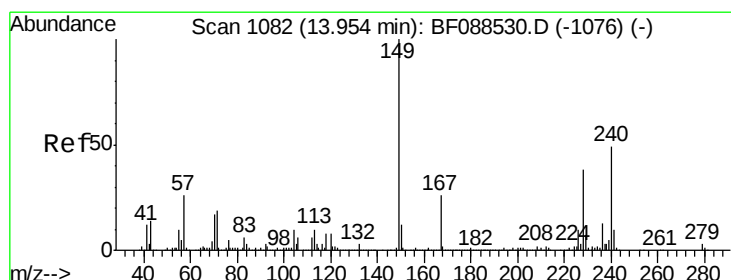
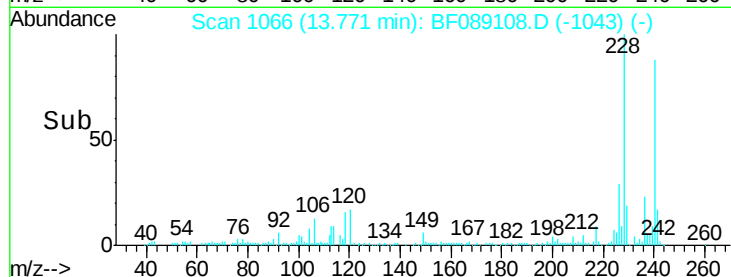
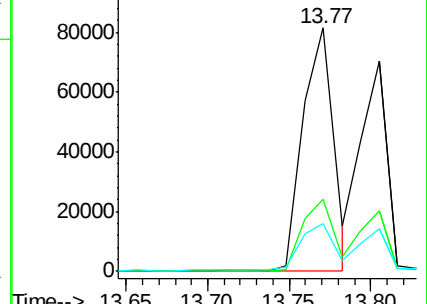
229 19.5 16.3 24.5



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: 2.21 ng

RT: 13.78 min Scan# 1067

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

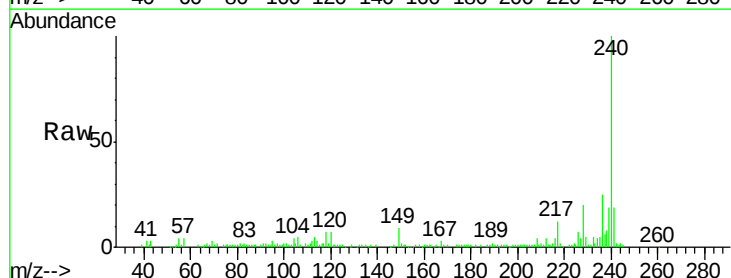
Tgt Ion:149 Resp: 9921

Ion Ratio Lower Upper

149 100

167 27.2 20.5 30.7

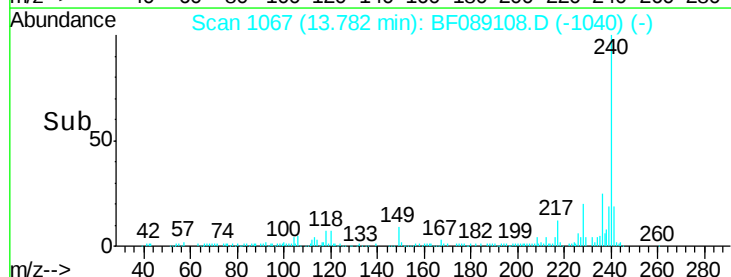
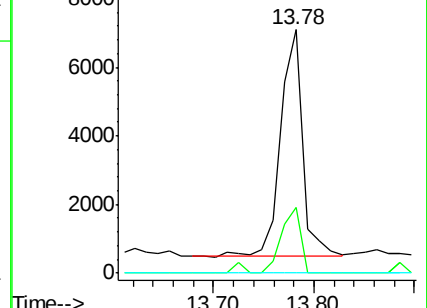
279 0.0 2.0 3.0#

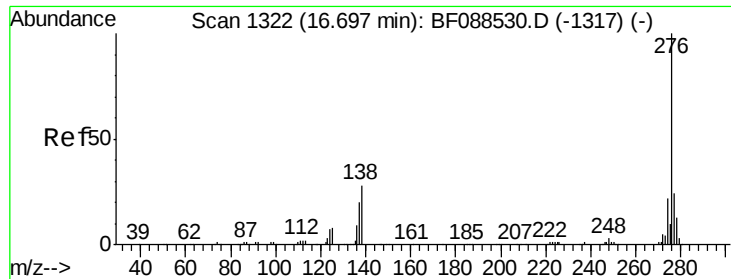


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

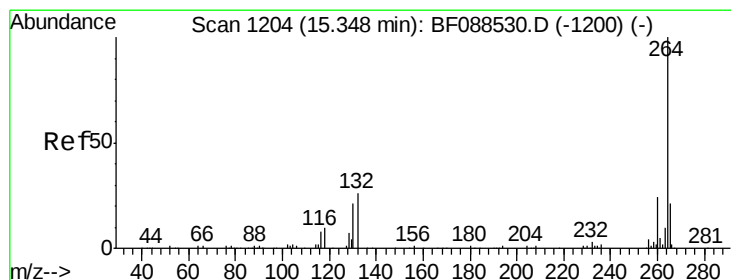
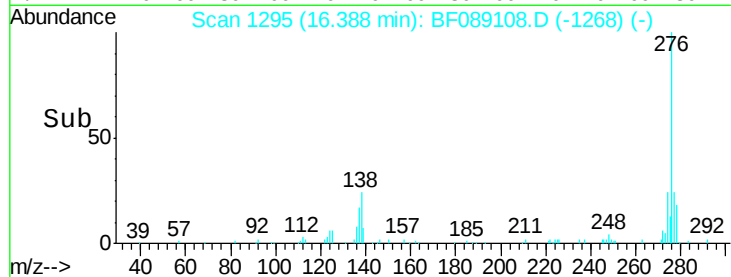
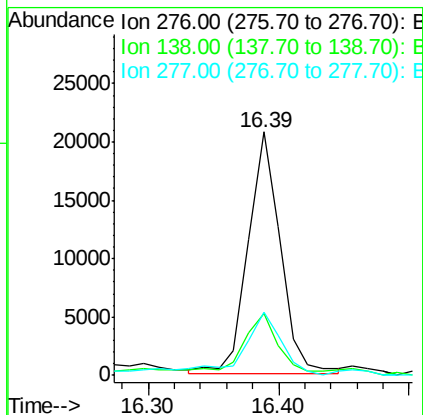
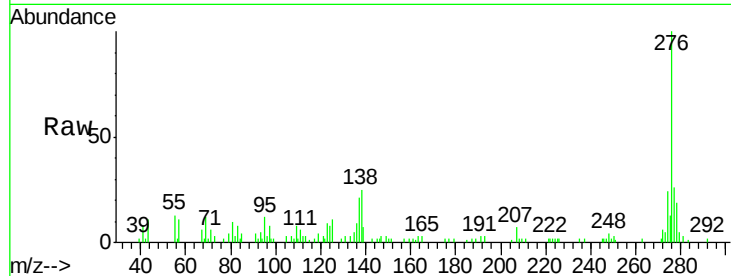




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.06 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: BF089108.D
 Acq: 19 Jul 2016 5:06

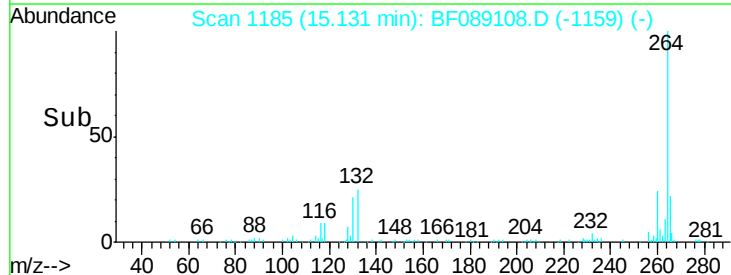
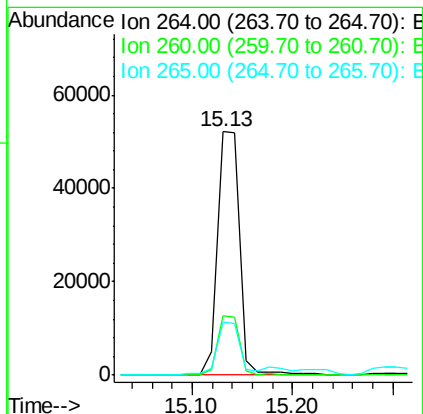
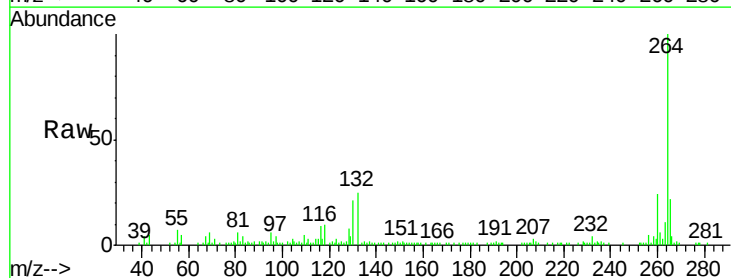
Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

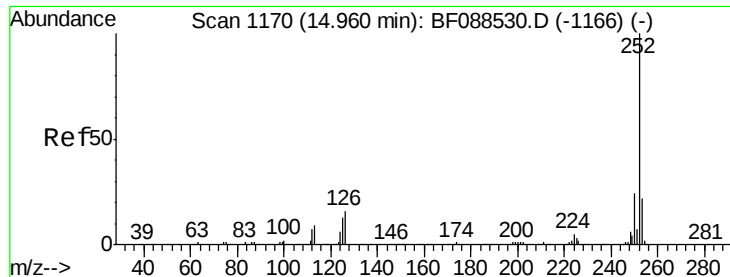
Tgt Ion: 276 Resp: 36010
 Ion Ratio Lower Upper
 276 100
 138 26.7 0.0 0.0#
 277 33.7 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF089108.D
 Acq: 19 Jul 2016 5:06

Tgt Ion: 264 Resp: 79321
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.7 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 25.01 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

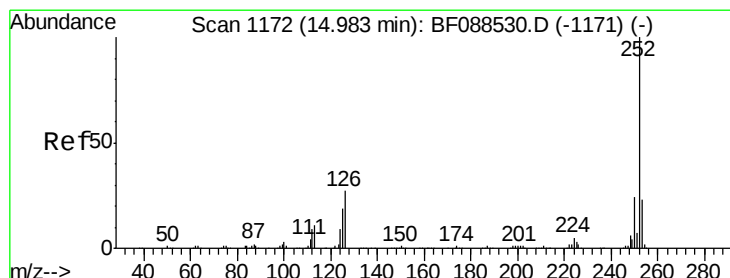
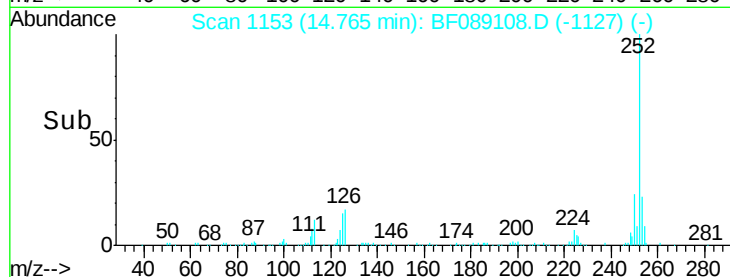
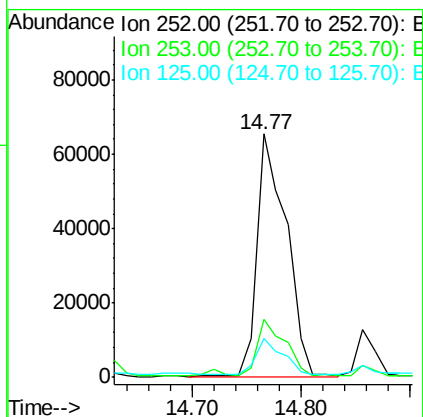
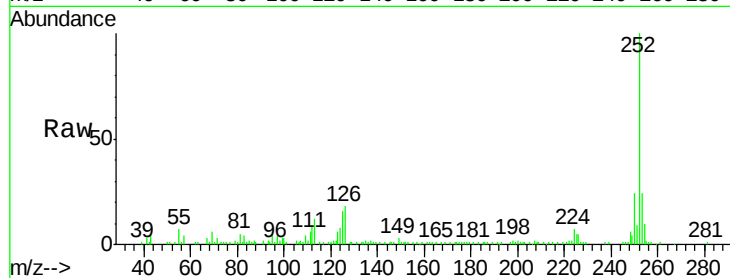
Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

Tgt Ion:	252	Resp:	124435
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.2
125	16.1	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 28.73 ng

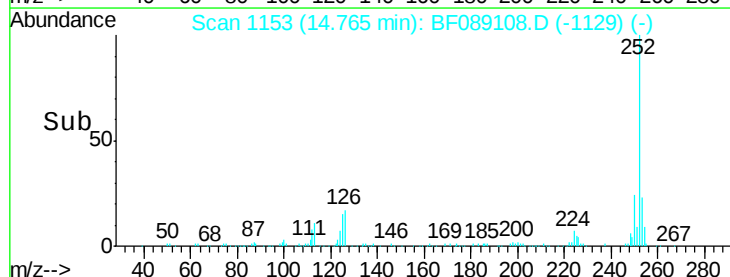
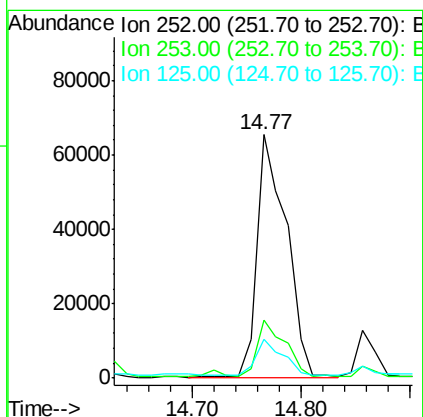
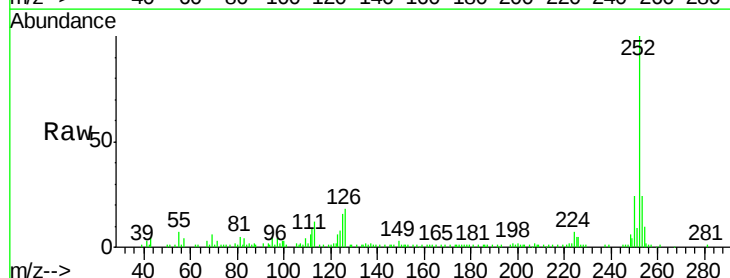
RT: 14.77 min Scan# 1153

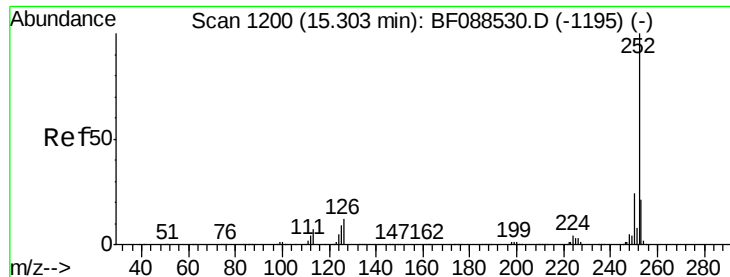
Delta R.T. -0.02 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Tgt Ion:	252	Resp:	124435
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.0	27.0
125	16.1	11.2	16.8





#89

Benzo(a)pyrene

Concen: 10.33 ng

RT: 15.03 min Scan# 1176

Delta R.T. -0.05 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

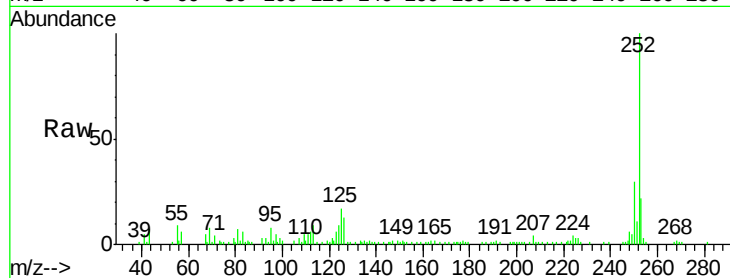
Tgt Ion:252 Resp: 43537

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

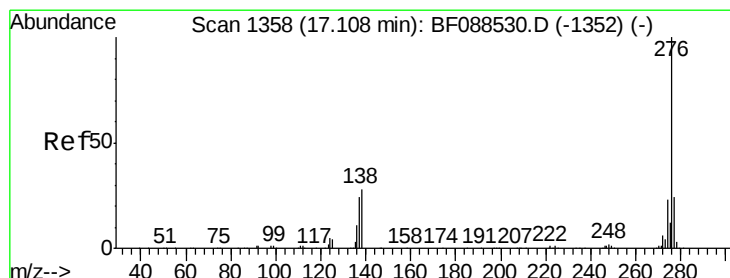
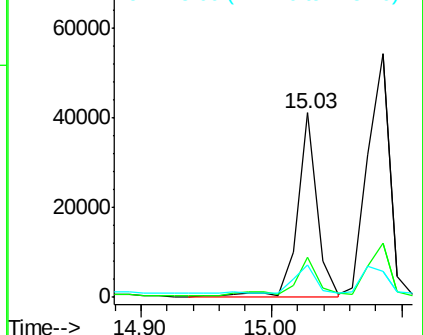
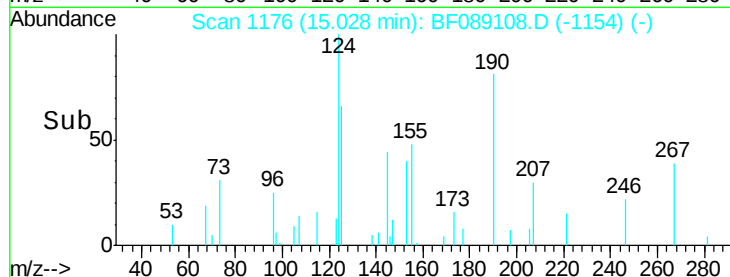
125 17.4 12.5 18.7



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: 9.21 ng

RT: 16.77 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

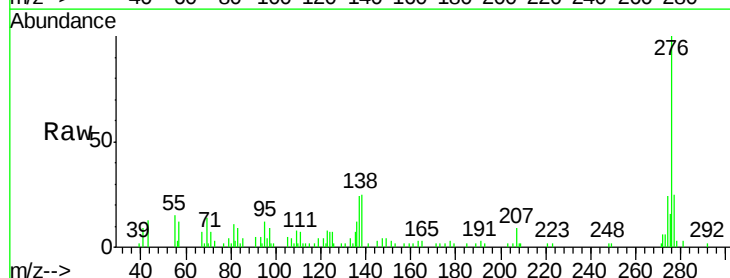
Tgt Ion:276 Resp: 33528

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 24.6 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

