

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071916\
 Data File : BF089119.D
 Acq On : 19 Jul 2016 15:41
 Operator : UM/SJ
 Sample : H4048-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Quant Time: Jul 20 02:13:53 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 15:28:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	56870	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	248342	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	114424	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	185997	20.00	ng	0.00
75) Chrysene-d12	13.75	240	115235	20.00	ng	-0.01
86) Perylene-d12	15.11	264	113251	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	328309	86.52	ng	0.00
7) Phenol-d6	6.27	99	408838	83.38	ng	-0.01
23) Nitrobenzene-d5	7.19	82	248562	52.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	78800	74.16	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	497291	68.65	ng	0.00
78) Terphenyl-d14	12.71	244	304054	58.77	ng	-0.01

Target Compounds

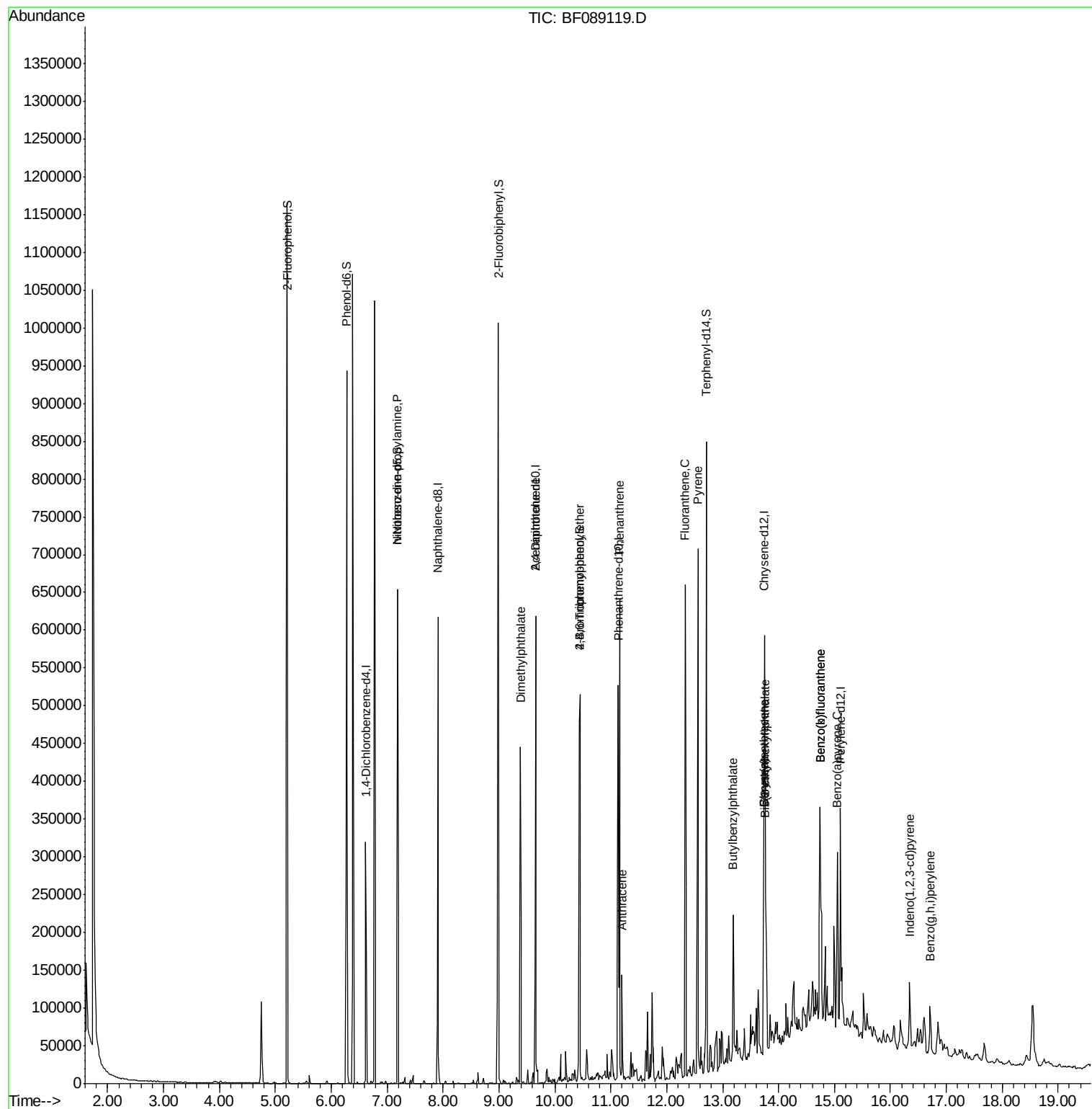
						Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	32909	9.99	ng	# 75
49) Dimethylphthalate	9.38	163	219348	26.91	ng	100
56) 2,4-Dinitrotoluene	9.66	165	14905	6.31	ng	# 37
66) 4-Bromophenyl-phenylether	10.44	248	5846	3.12	ng	# 1
70) Phenanthrene	11.15	178	213465	20.99	ng	98
71) Anthracene	11.20	178	47911	4.74	ng	99
74) Fluoranthene	12.33	202	276252	26.80	ng	97
77) Pyrene	12.56	202	255289	26.13	ng	99
79) Butylbenzylphthalate	13.19	149	36867	8.46	ng	# 81
80) Benzo(a)anthracene	13.74	228	122112	16.46	ng	97
82) Chrysene	13.74	228	122112	16.63	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	10401	2.09	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.34	276	48775	8.64	ng	# 100
87) Benzo(b)fluoranthene	14.74	252	170084	23.94	ng	# 96
88) Benzo(k)fluoranthene	14.74	252	169858	27.46	ng	99
89) Benzo(a)pyrene	15.05	252	88537	14.72	ng	98
91) Benzo(g,h,i)perylene	16.71	276	42834	8.24	ng	98

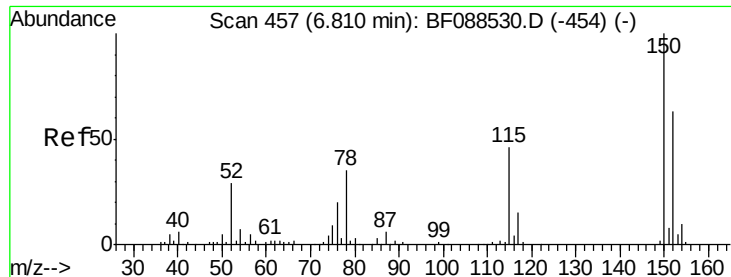
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

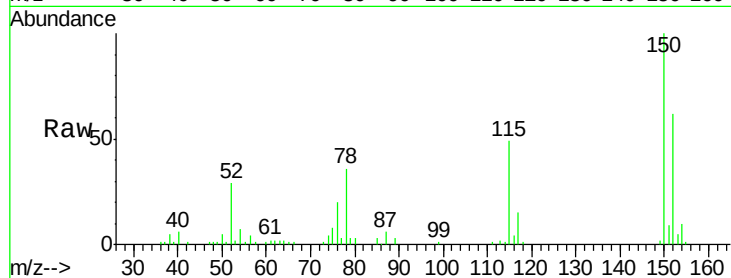
Tgt Ion:152 Resp: 56870

Ion Ratio Lower Upper

152 100

150 162.5 123.8 185.6

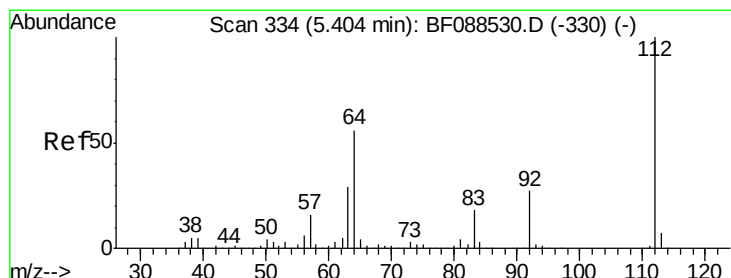
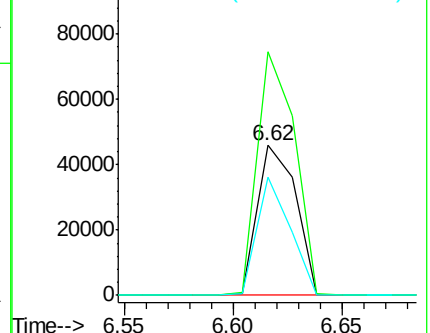
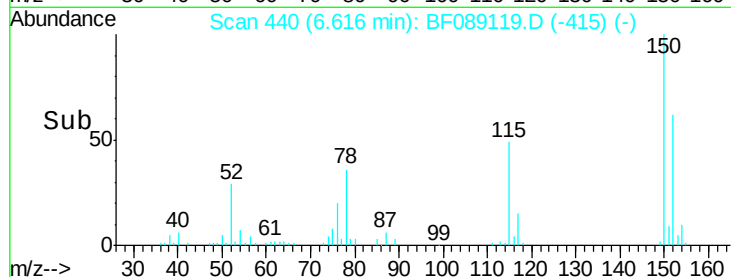
115 78.9 39.6 59.4#



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: 86.52 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.00 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

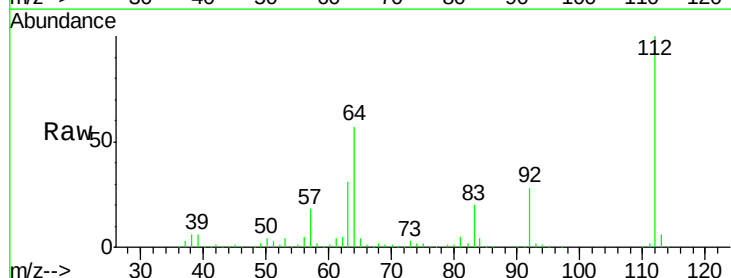
Tgt Ion:112 Resp: 328309

Ion Ratio Lower Upper

112 100

64 56.9 42.2 63.2

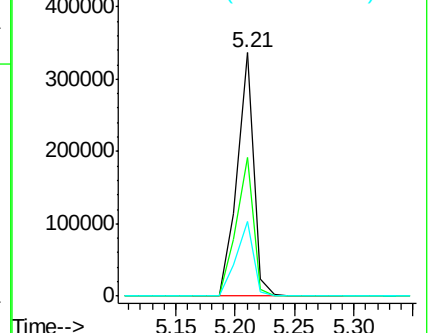
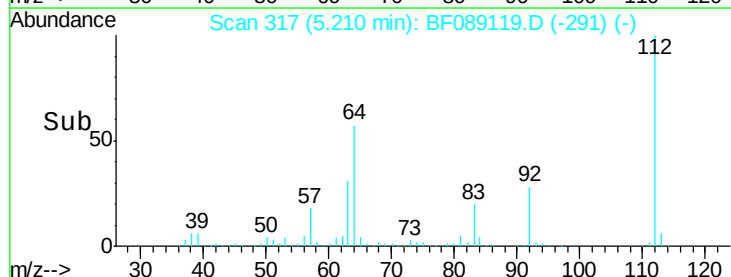
63 30.8 21.8 32.8

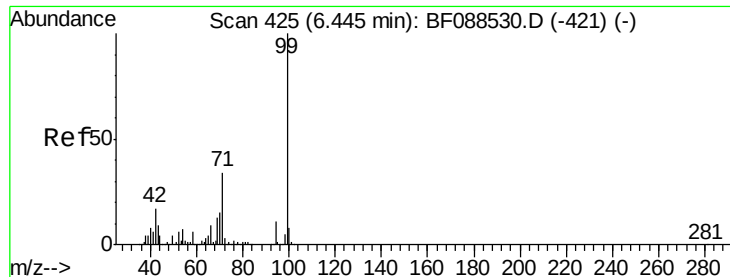


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 83.38 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

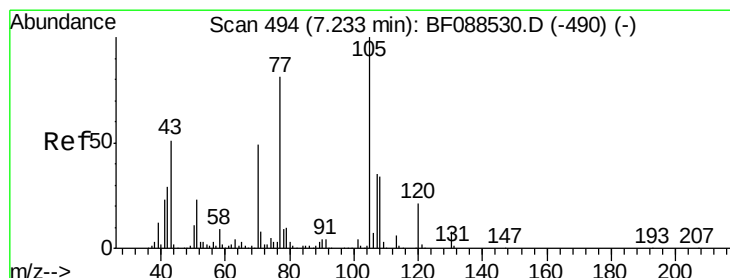
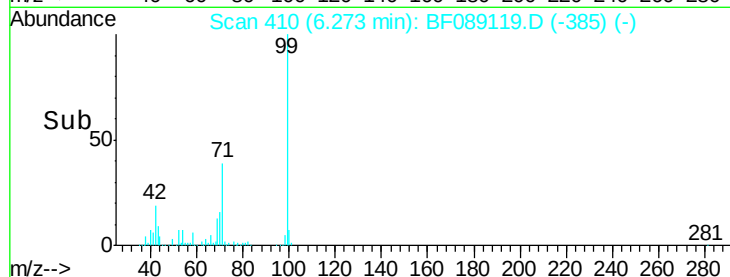
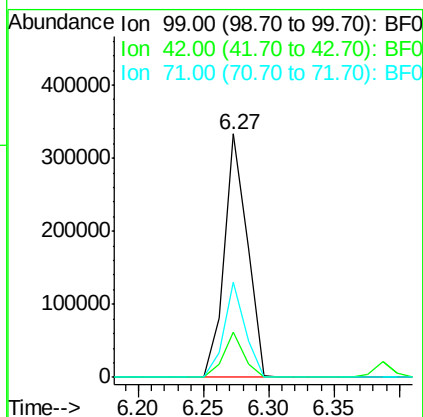
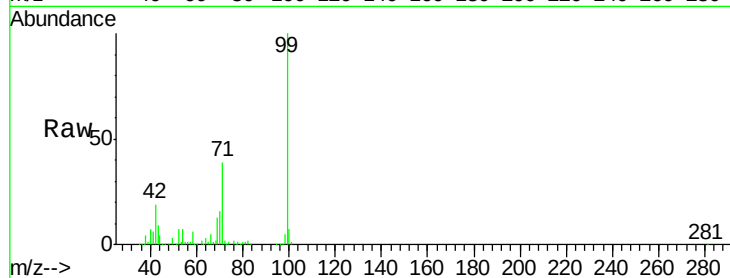
Tgt Ion: 99 Resp: 408838

Ion Ratio Lower Upper

99 100

42 18.7 12.2 18.2#

71 39.1 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 9.99 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.14 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Tgt Ion: 70 Resp: 32909

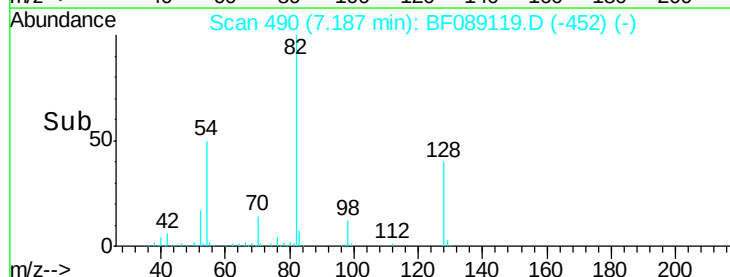
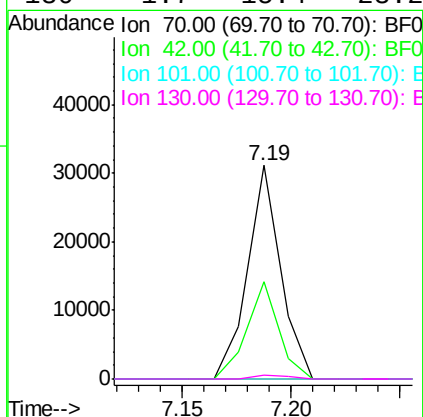
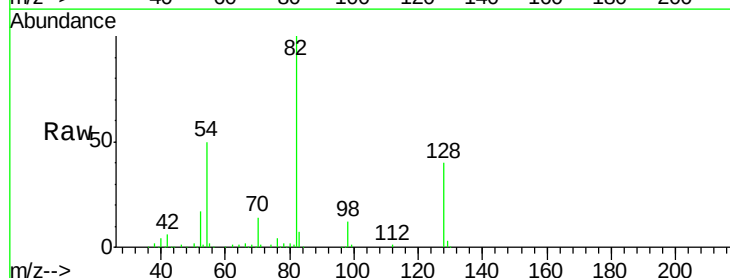
Ion Ratio Lower Upper

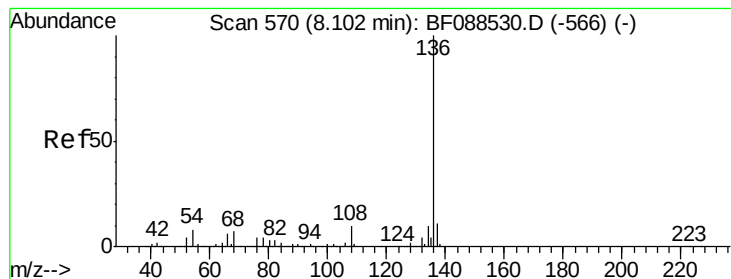
70 100

42 45.6 49.6 74.4#

101 0.0 7.1 10.7#

130 1.7 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

Tgt Ion: 136 Resp: 248342

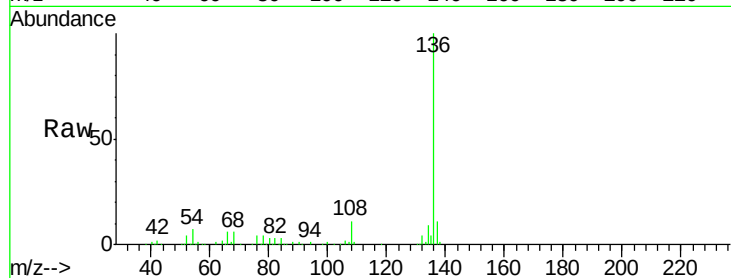
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 7.3 6.6 10.0

68 5.6 5.1 7.7

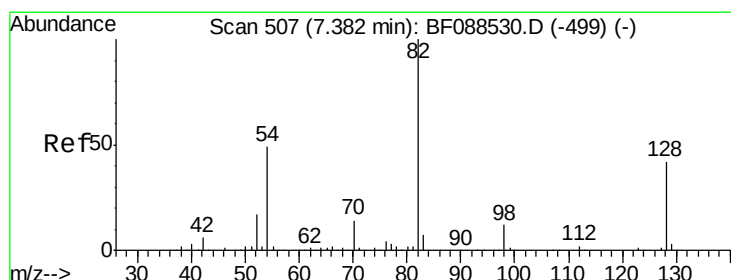
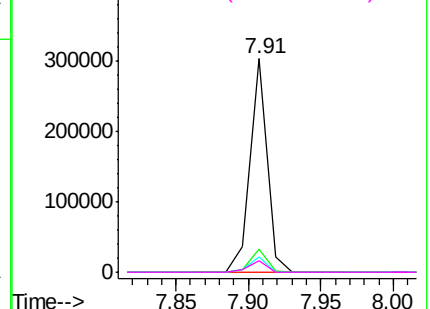
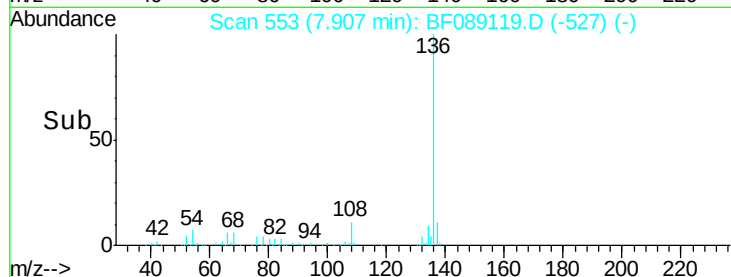


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.45 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

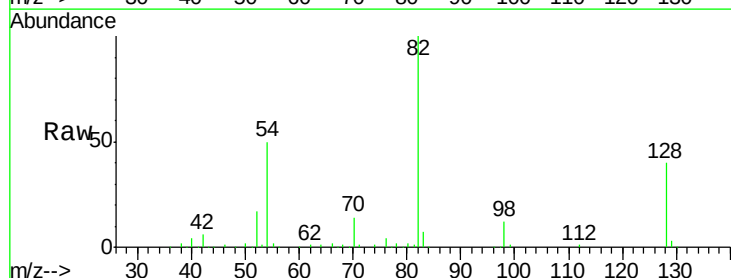
Tgt Ion: 82 Resp: 248562

Ion Ratio Lower Upper

82 100

128 40.1 35.9 53.9

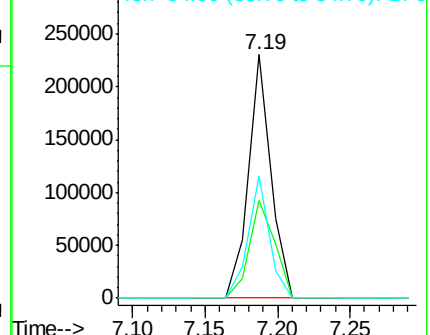
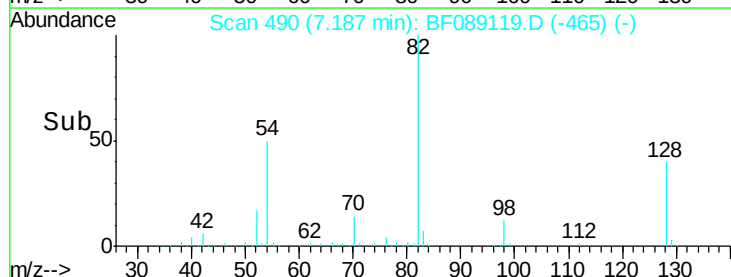
54 50.0 40.9 61.3

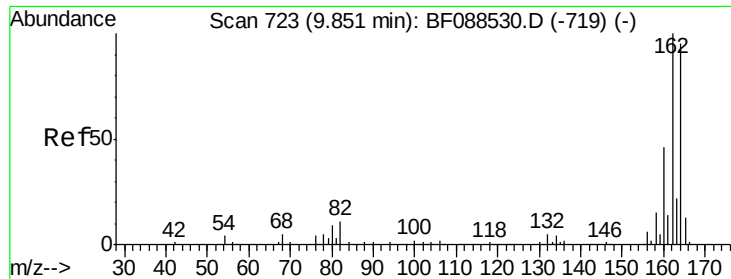


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

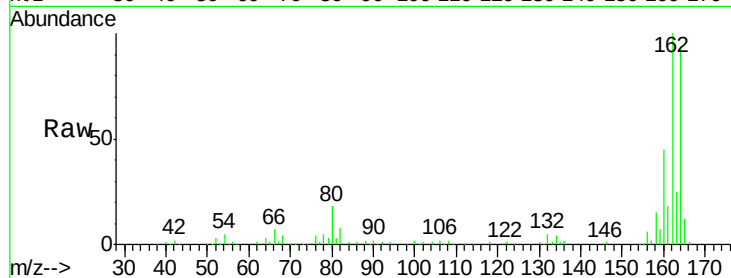




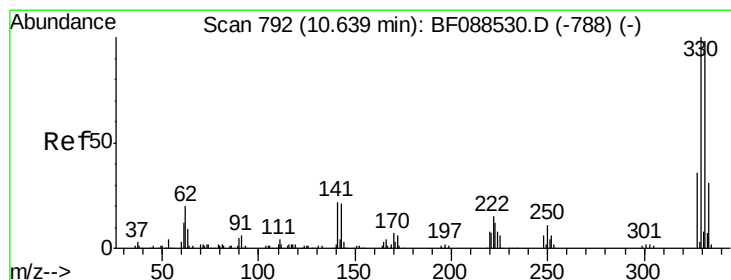
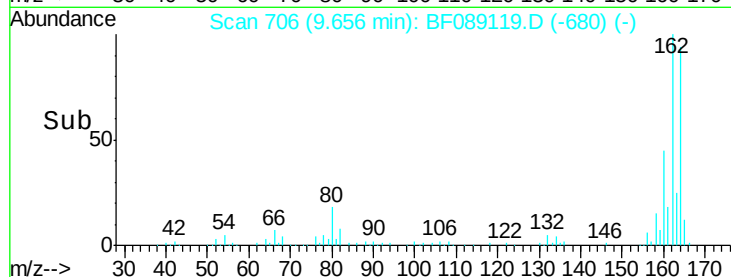
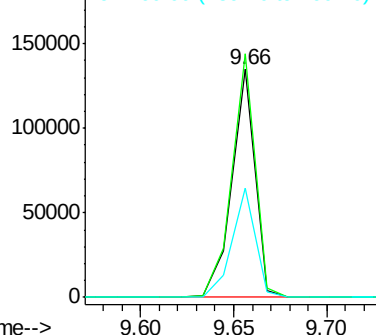
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.00 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion:164 Resp: 114424
Ion Ratio Lower Upper
164 100
162 106.9 85.4 128.2
160 48.0 39.5 59.3

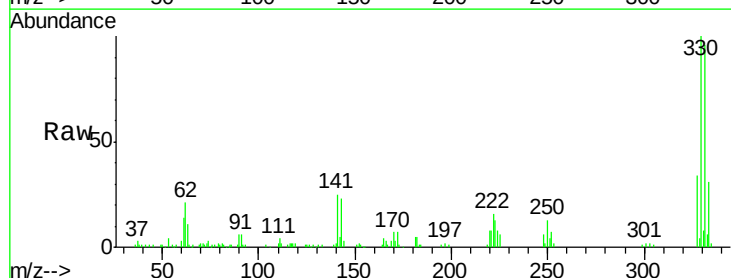


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

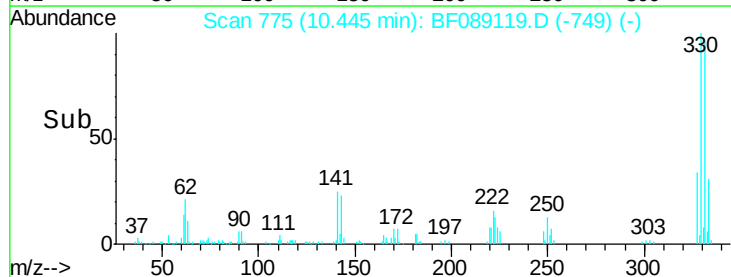
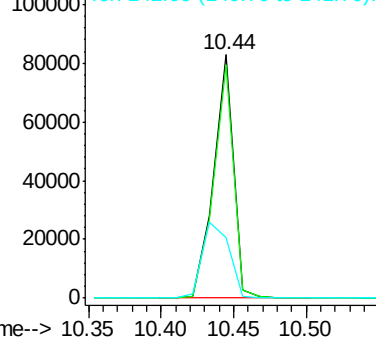


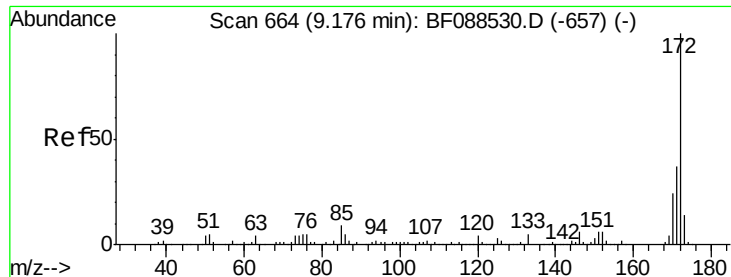
#41
2,4,6-Tribromophenol
Concen: 74.16 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.00 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

Tgt Ion:330 Resp: 78800
Ion Ratio Lower Upper
330 100
332 96.1 0.0 0.0#
141 42.2 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

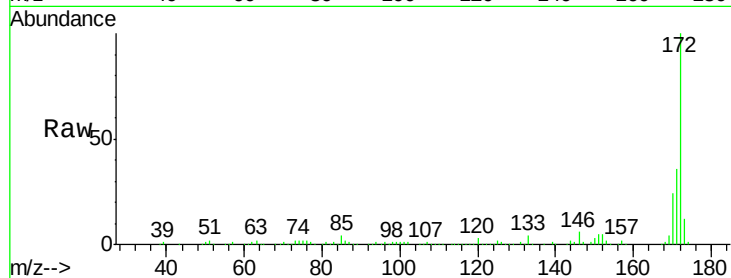




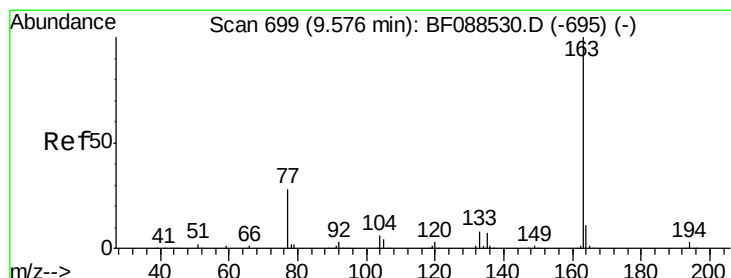
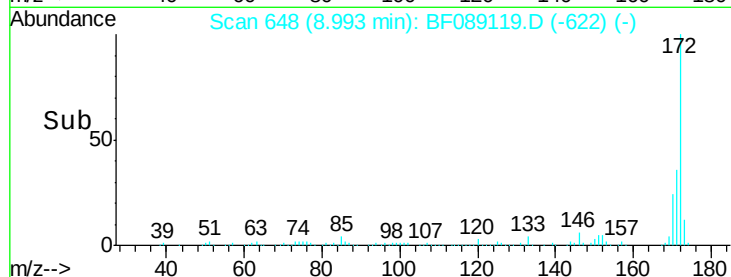
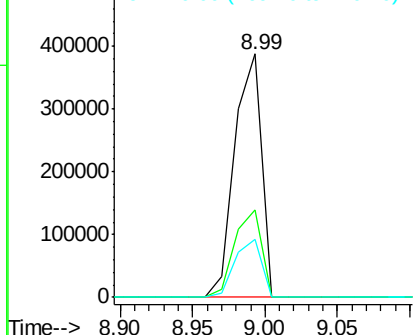
#44
 2-Fluorobiphenyl
 Concen: 68.65 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tgt Ion:172 Resp: 497291
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 23.8 19.2 28.8

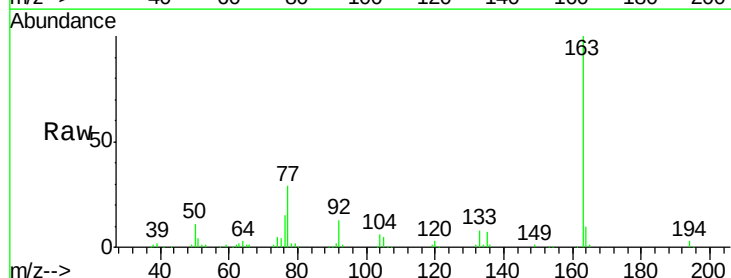


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

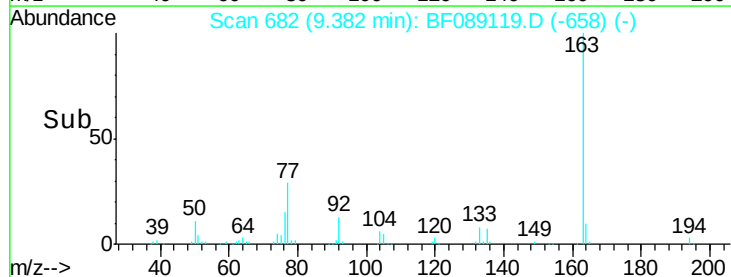
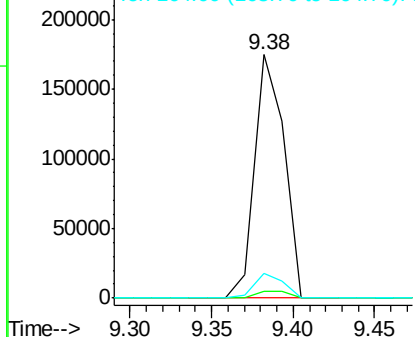


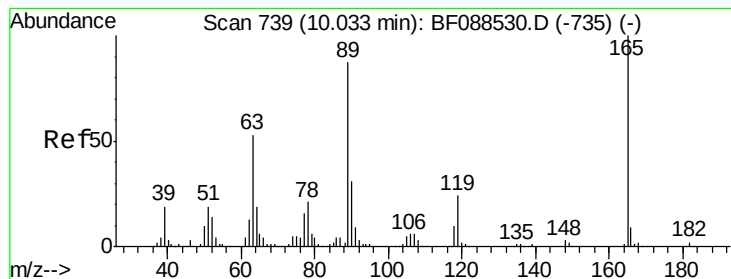
#49
 Dimethylphthalate
 Concen: 26.91 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.02 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

Tgt Ion:163 Resp: 219348
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.4 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

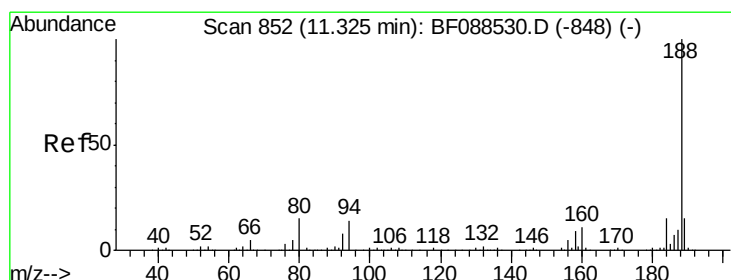
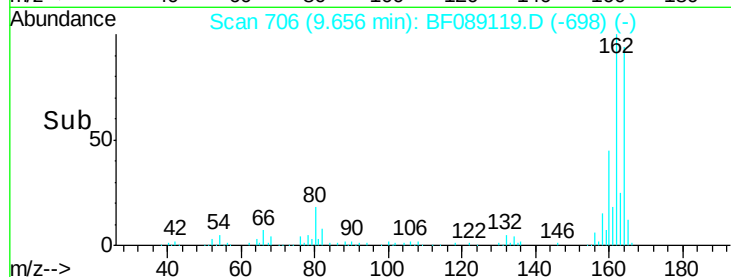
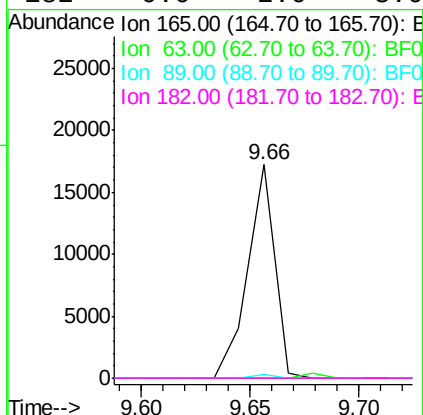
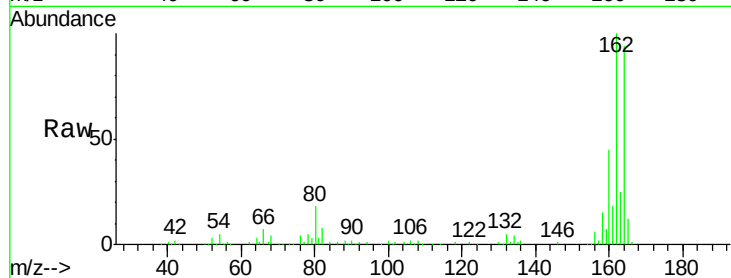




#56
 2,4-Dinitrotoluene
 Concen: 6.31 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.21 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

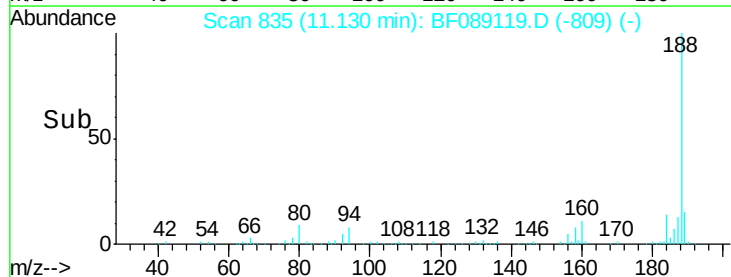
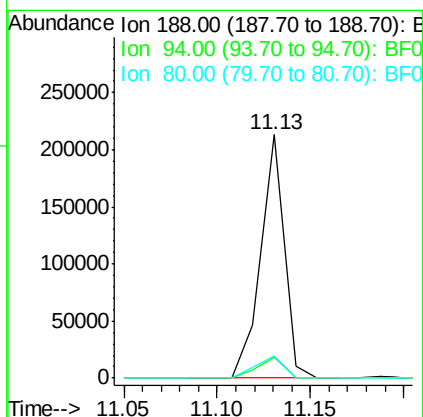
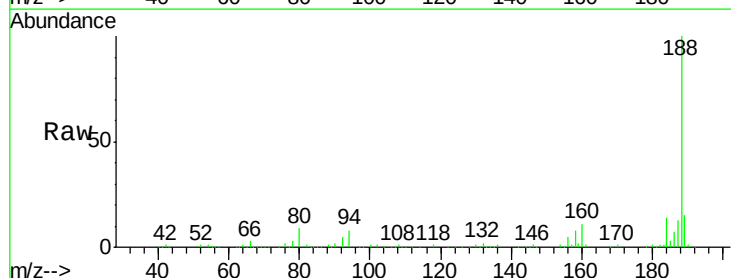
Instrument :
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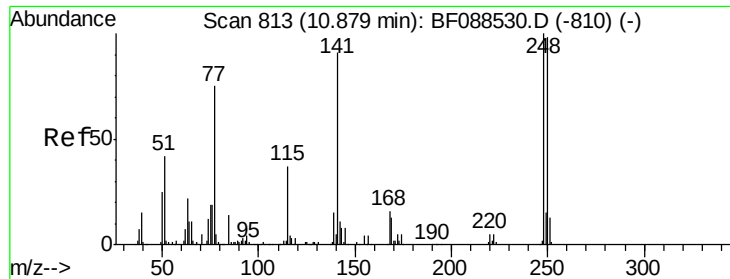
Tgt Ion:	165	Resp:	14905
Ion Ratio	Lower	Upper	
165	100		
63	0.0	22.0	33.0#
89	1.8	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

Tgt Ion:	188	Resp:	185997
Ion Ratio	Lower	Upper	
188	100		
94	8.4	9.0	13.6#
80	9.2	10.0	15.0#

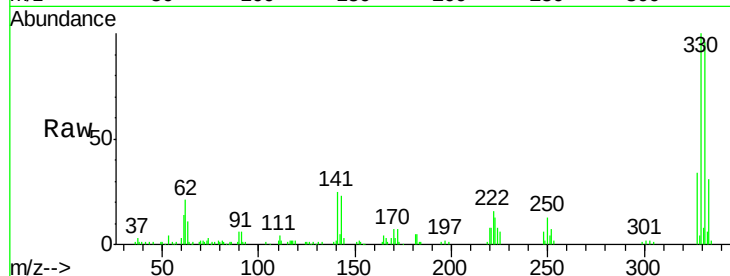




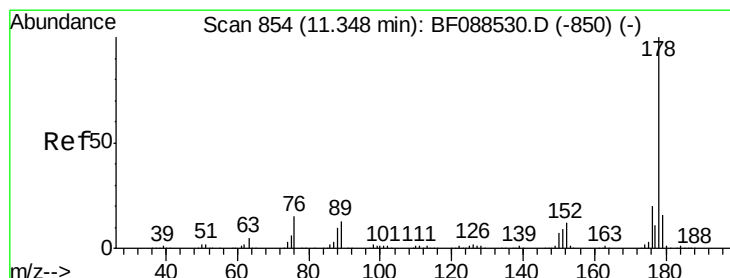
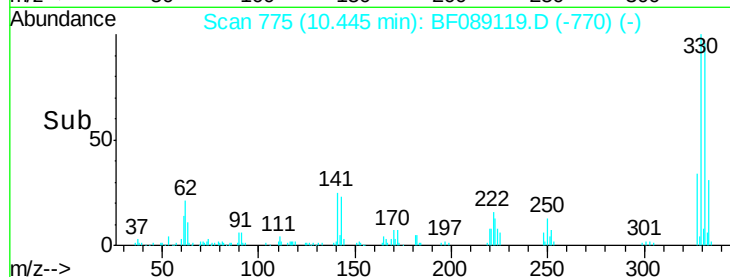
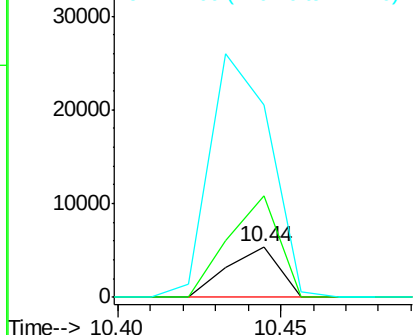
#66
 4-Bromophenyl-phenylether
 Concen: 3.12 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.24 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tgt Ion:248 Resp: 5846
 Ion Ratio Lower Upper
 248 100
 250 200.9 77.1 115.7#
 141 380.3 50.6 76.0#

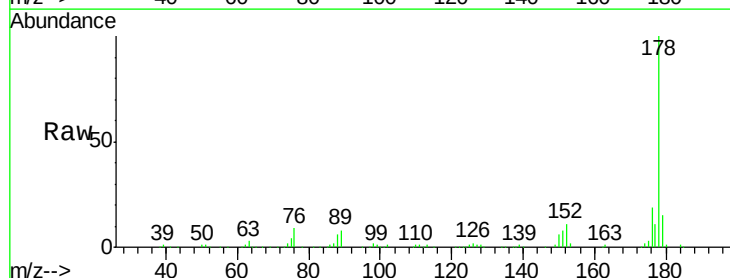


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

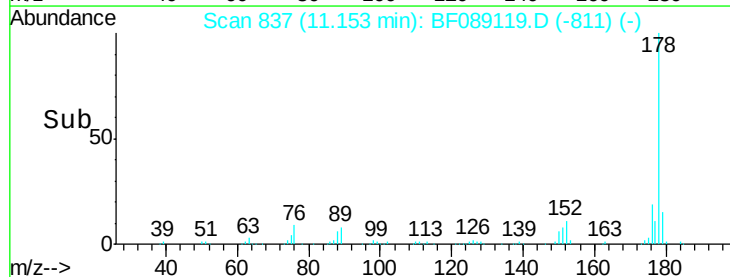
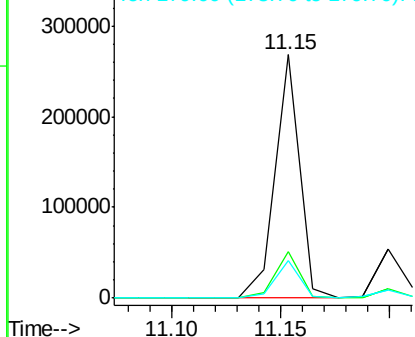


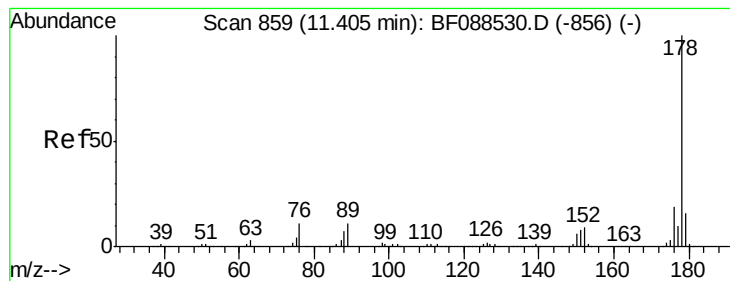
#70
 Phenanthrene
 Concen: 20.99 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

Tgt Ion:178 Resp: 213465
 Ion Ratio Lower Upper
 178 100
 176 19.1 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





#71

Anthracene

Concen: 4.74 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

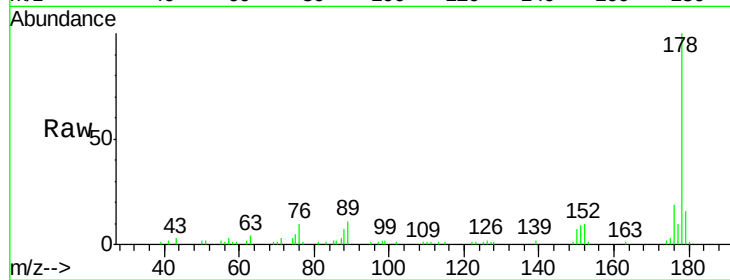
Tgt Ion:178 Resp: 47911

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

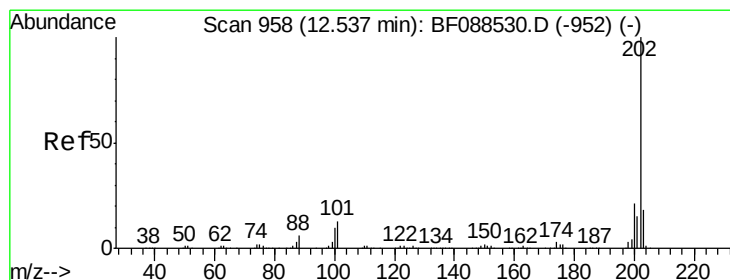
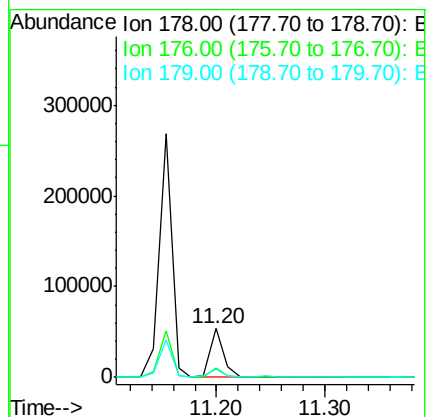
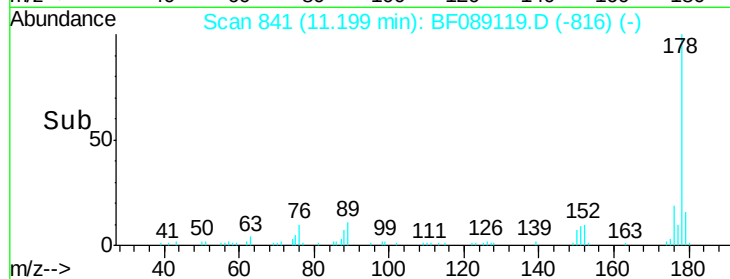
179 15.7 12.8 19.2



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: 26.80 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

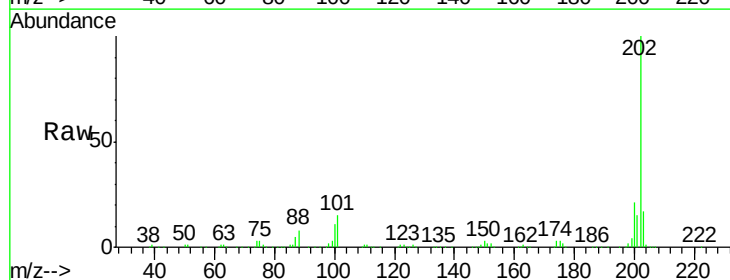
Tgt Ion:202 Resp: 276252

Ion Ratio Lower Upper

202 100

101 14.9 0.0 33.1

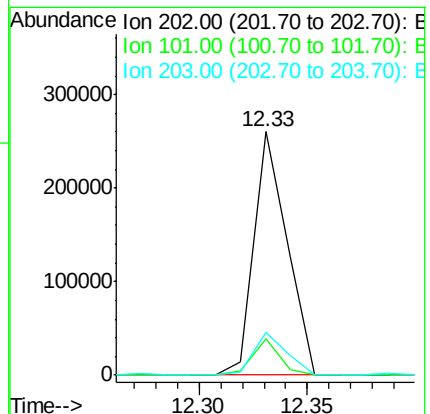
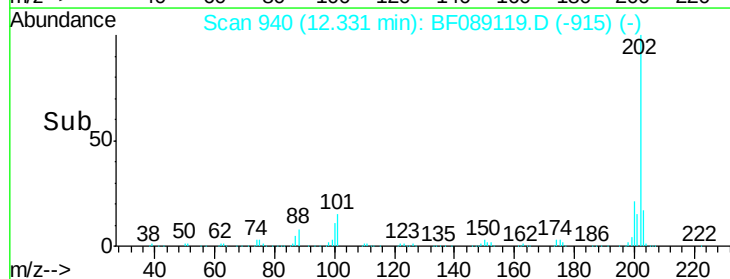
203 17.3 0.0 38.1

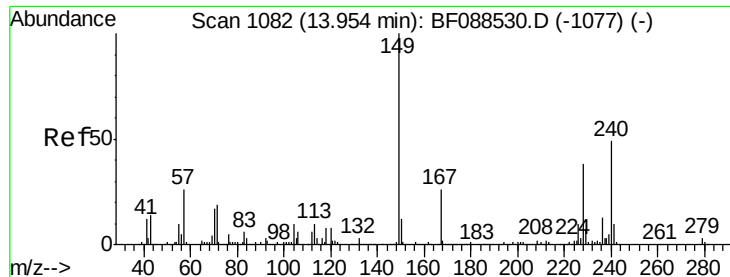


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

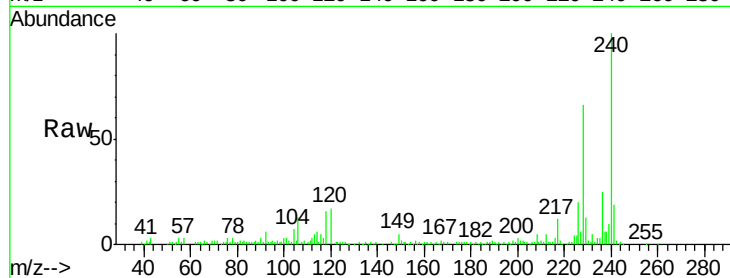
Tgt Ion:240 Resp: 115235

Ion Ratio Lower Upper

240 100

120 16.5 6.8 10.2#

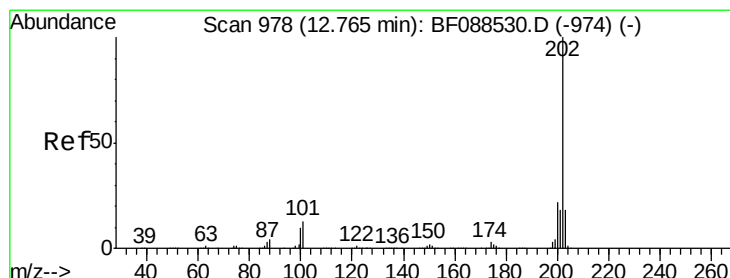
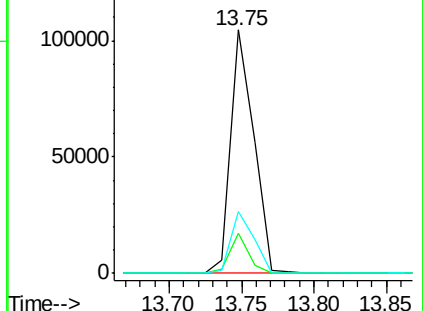
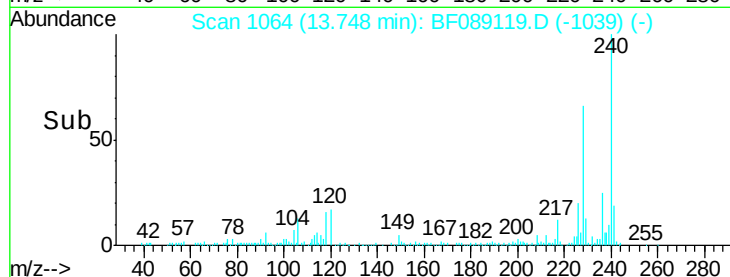
236 25.4 20.2 30.2



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: 26.13 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

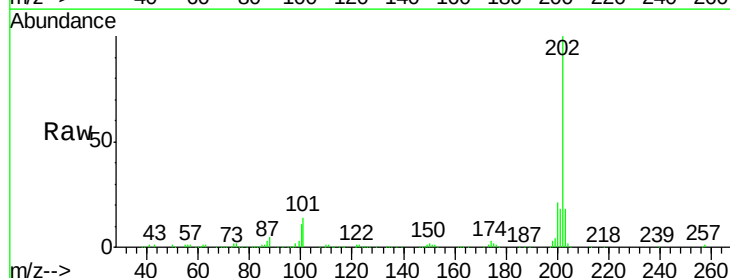
Tgt Ion:202 Resp: 255289

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

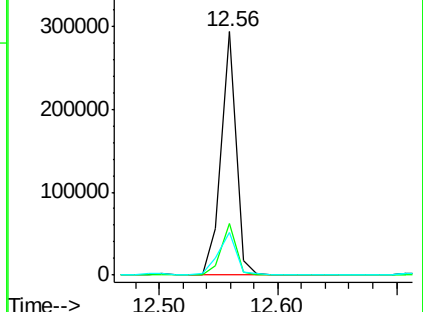
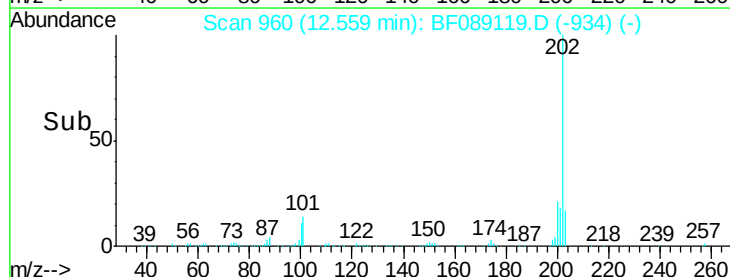
203 17.7 14.5 21.7

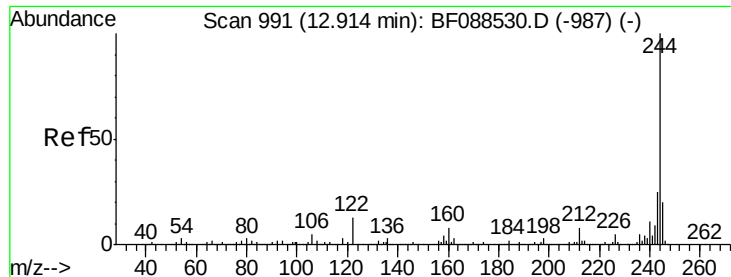


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.77 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

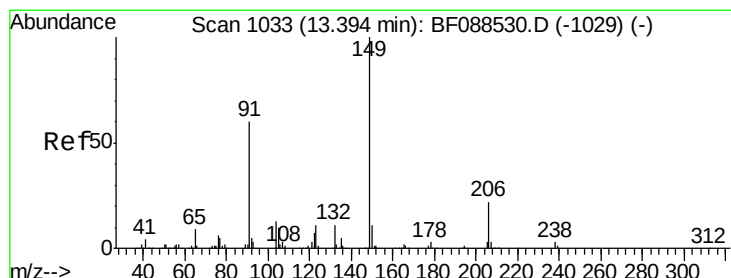
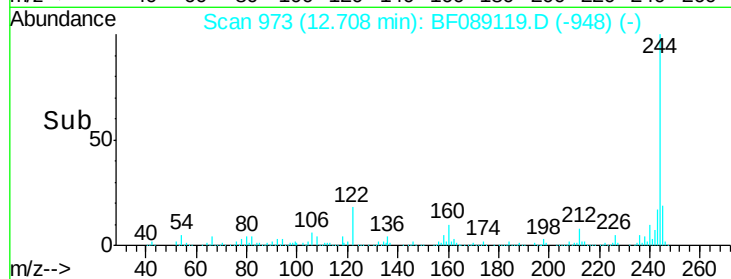
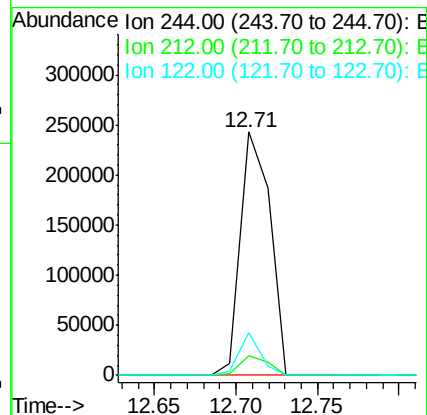
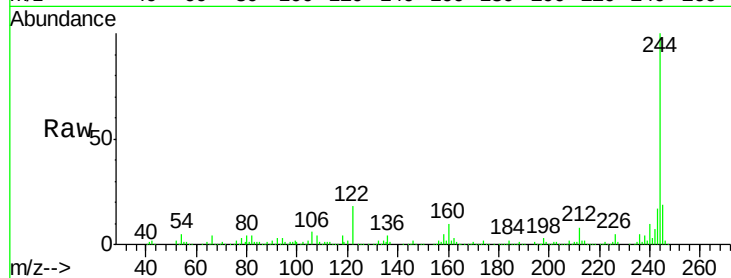
Tgt Ion:244 Resp: 304054

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

122 17.5 11.2 16.8#



#79

Butylbenzylphthalate

Concen: 8.46 ng

RT: 13.19 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

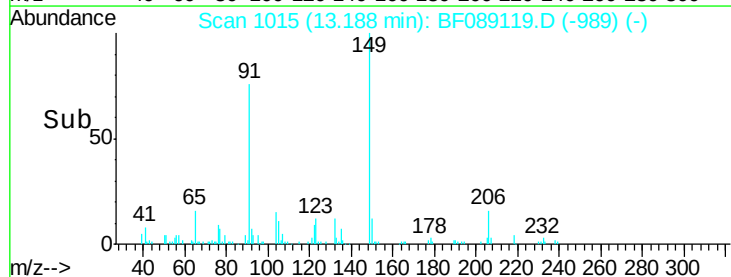
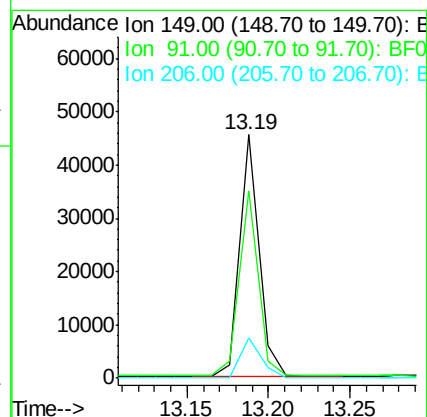
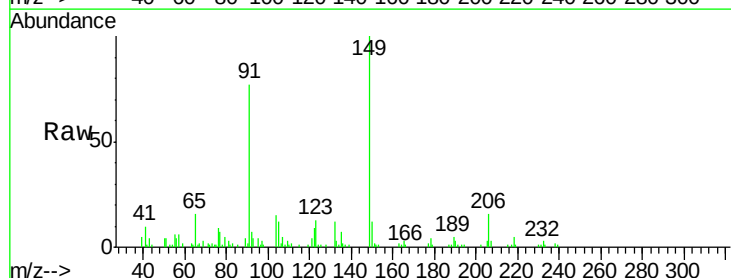
Tgt Ion:149 Resp: 36867

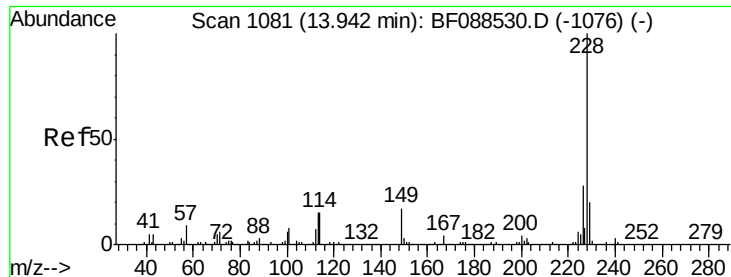
Ion Ratio Lower Upper

149 100

91 77.0 48.0 72.0#

206 16.2 16.0 24.0





#80

Benzo(a)anthracene

Concen: 16.46 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

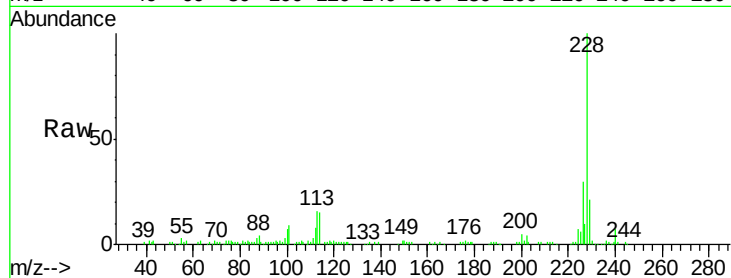
Tgt Ion:228 Resp: 122112

Ion Ratio Lower Upper

228 100

226 30.3 22.3 33.5

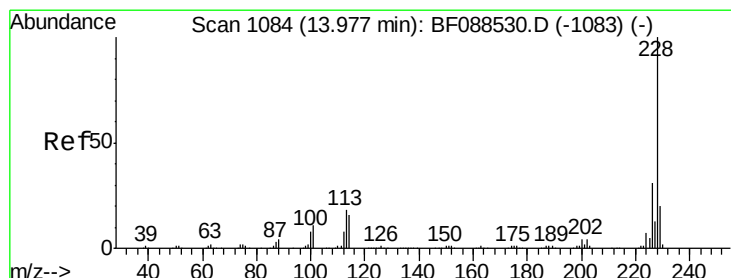
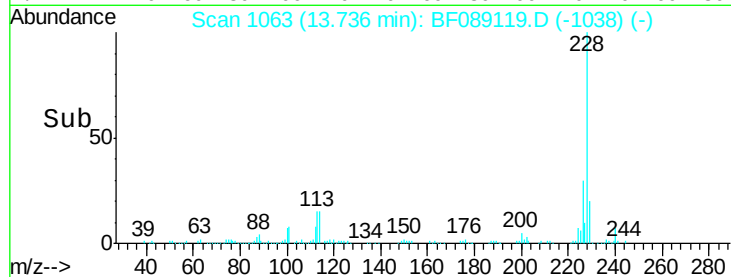
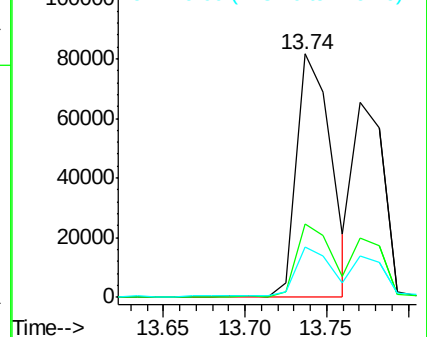
229 20.6 16.0 24.0



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: 16.63 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.05 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

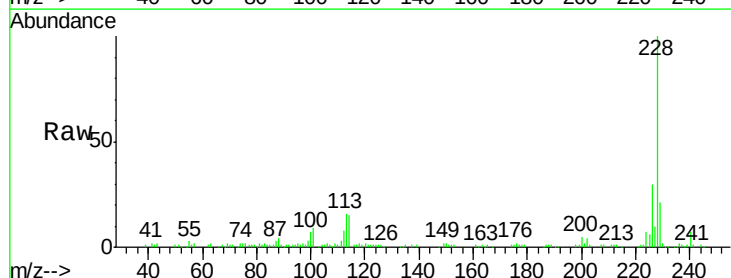
Tgt Ion:228 Resp: 122112

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.2

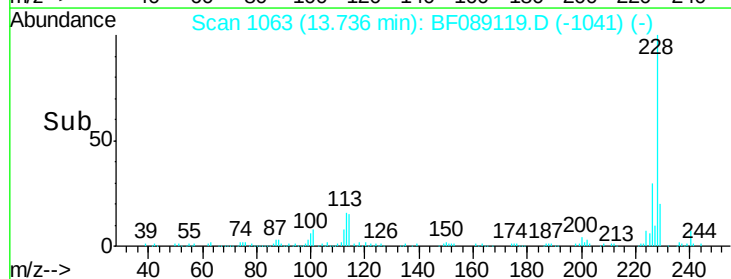
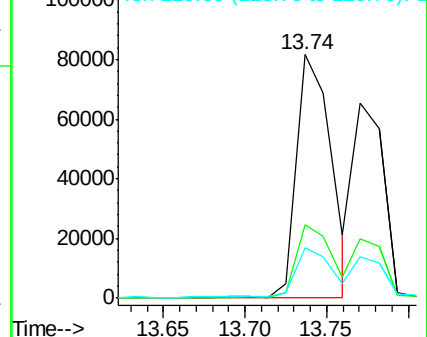
229 20.6 16.3 24.5

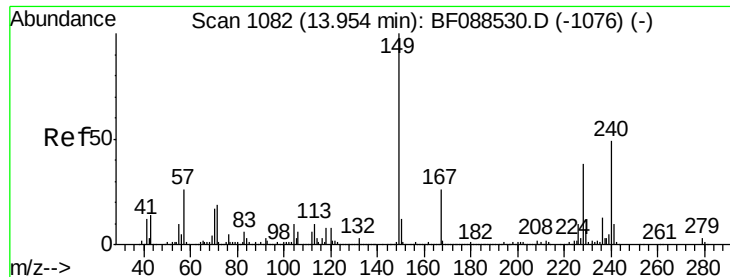


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.09 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

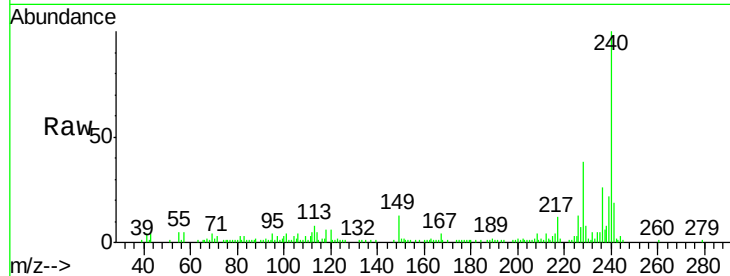
Tgt Ion:149 Resp: 10401

Ion Ratio Lower Upper

149 100

167 29.0 20.5 30.7

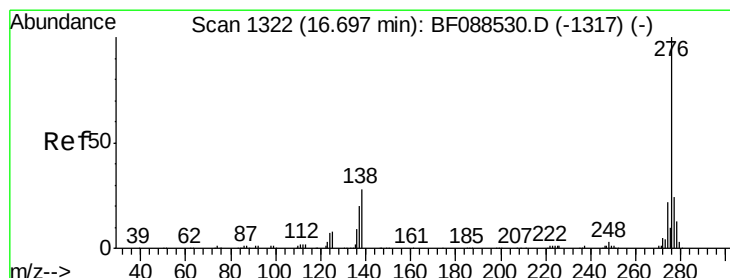
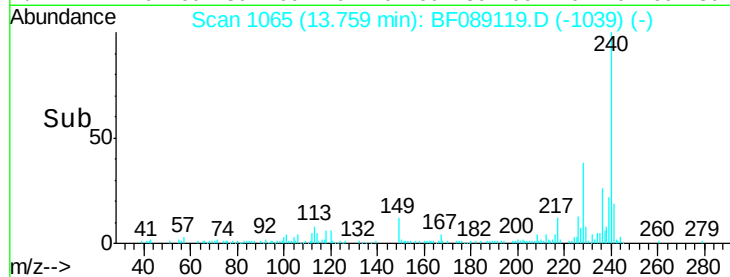
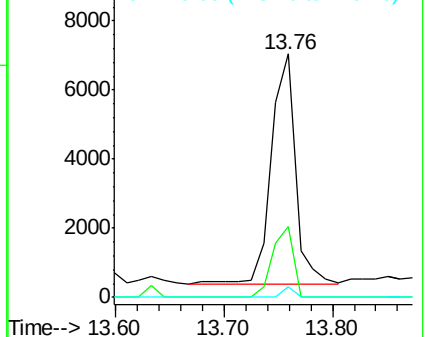
279 4.6 2.0 3.0#



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: 8.64 ng

RT: 16.34 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

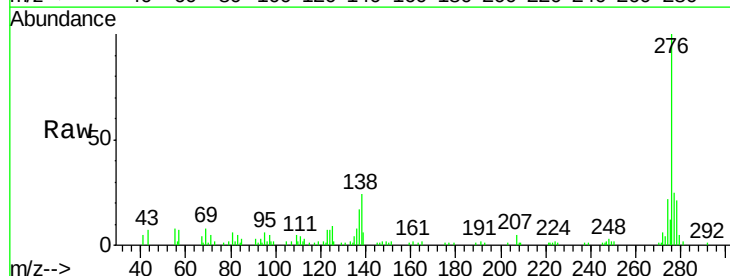
Tgt Ion:276 Resp: 48775

Ion Ratio Lower Upper

276 100

138 25.1 0.0 0.0#

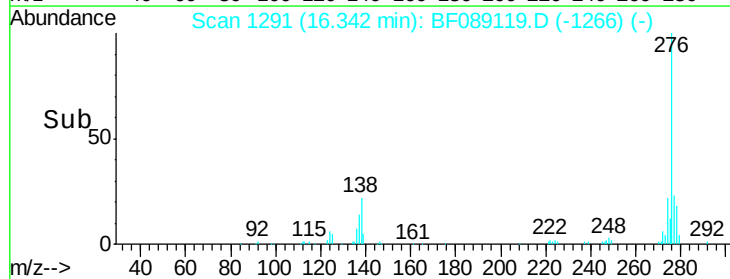
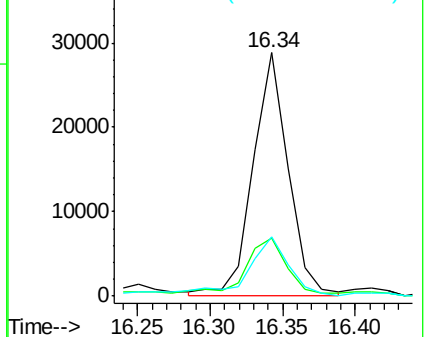
277 30.6 0.0 0.0#

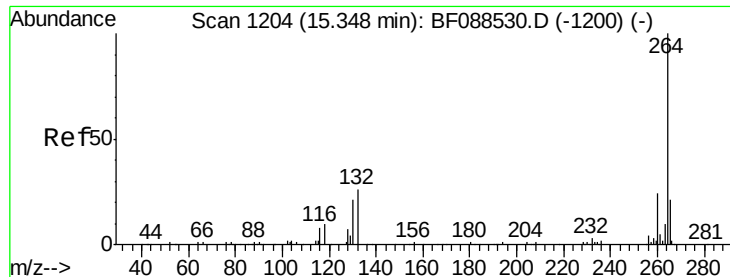


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

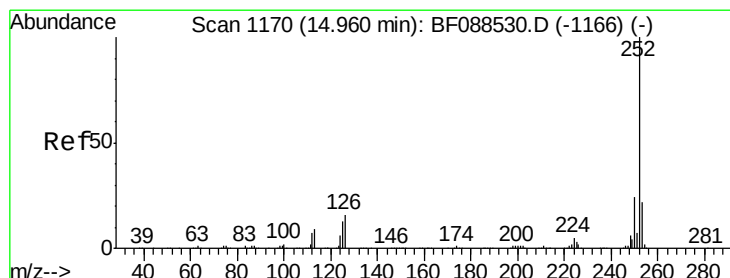
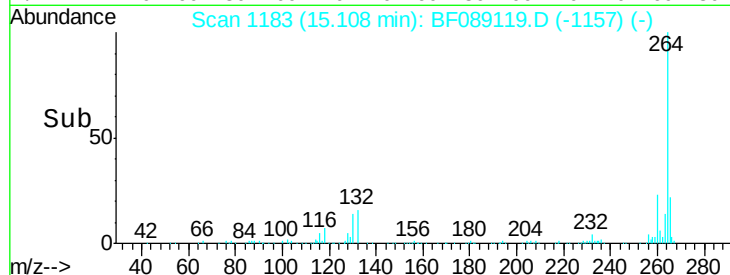
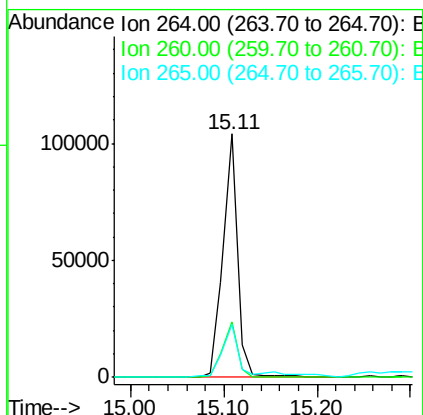
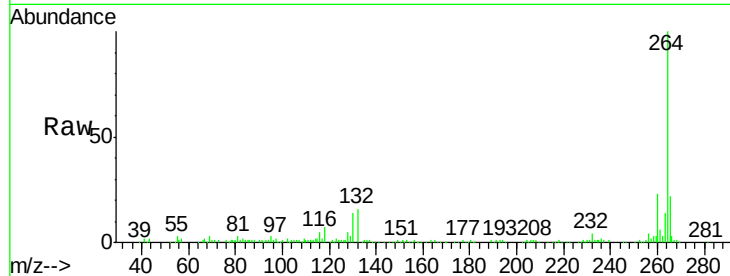




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

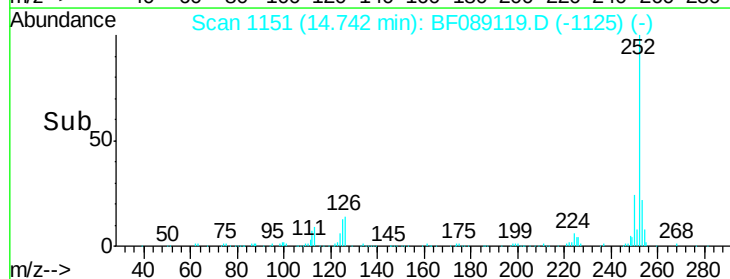
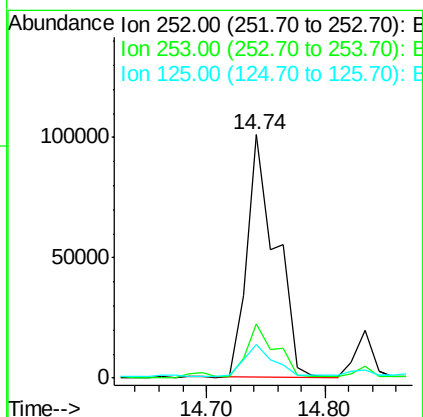
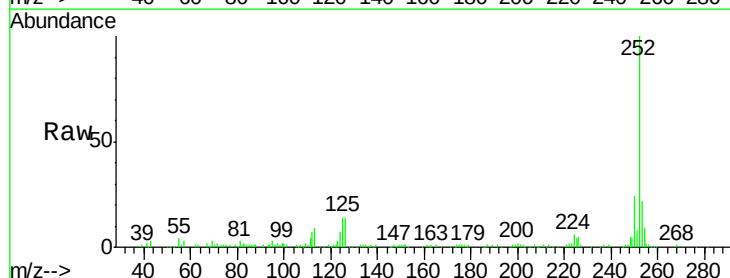
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

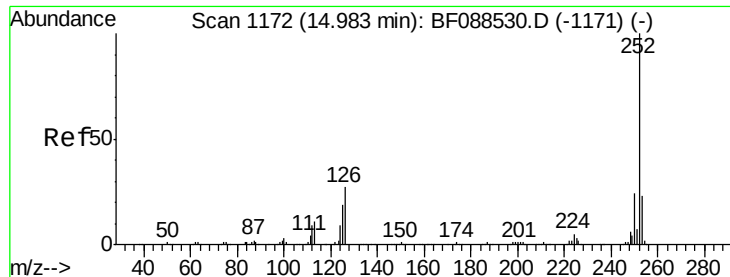
Tgt Ion: 264 Resp: 113251
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 21.6 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 23.94 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

Tgt Ion: 252 Resp: 170084
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 13.7 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 27.46 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.02 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

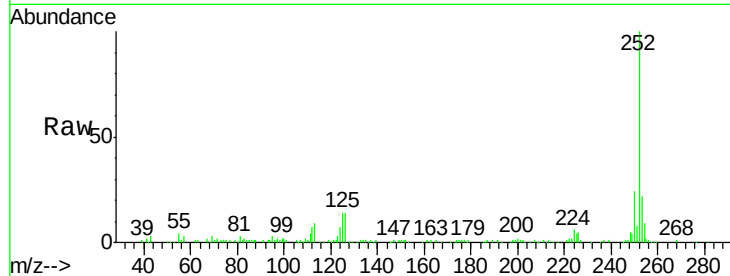
Tgt Ion:252 Resp: 169858

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

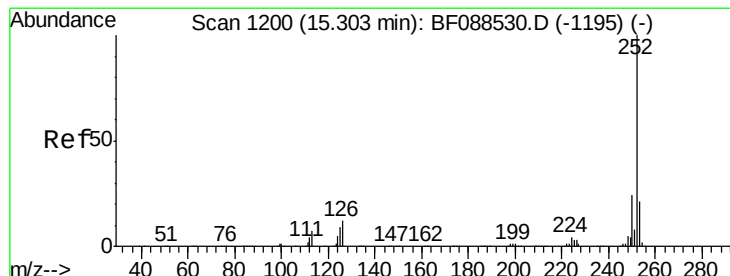
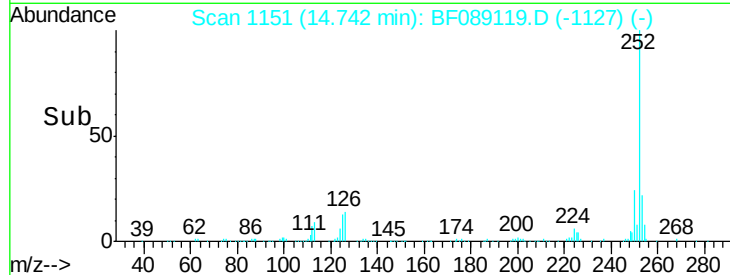
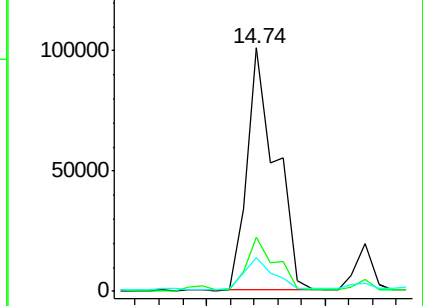
125 13.7 11.2 16.8



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: 14.72 ng

RT: 15.05 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

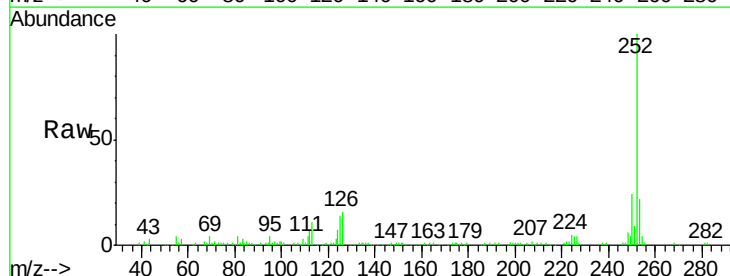
Tgt Ion:252 Resp: 88537

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

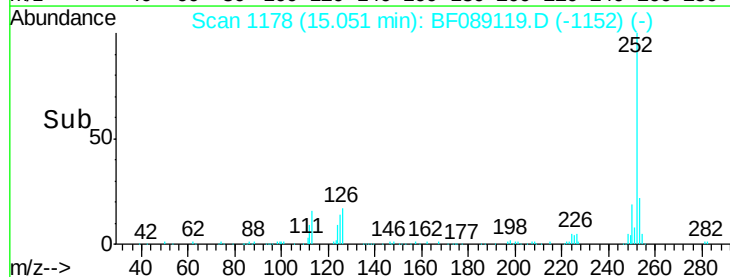
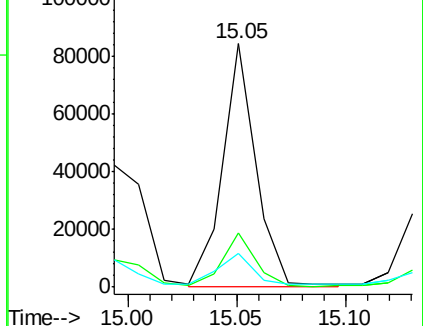
125 14.0 12.5 18.7

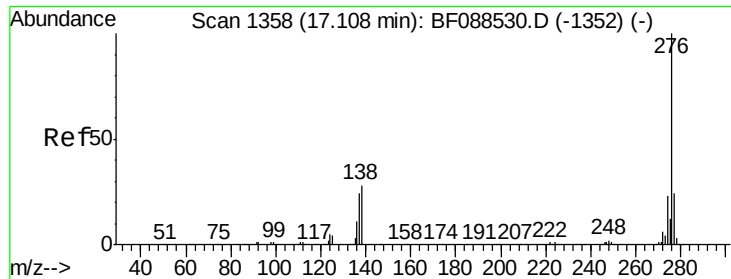


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.24 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

Tgt Ion: 276 Resp: 42834

Ion Ratio Lower Upper

276 100

277 24.3 18.9 28.3

138 28.0 21.4 32.2

