

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 12:44:02 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

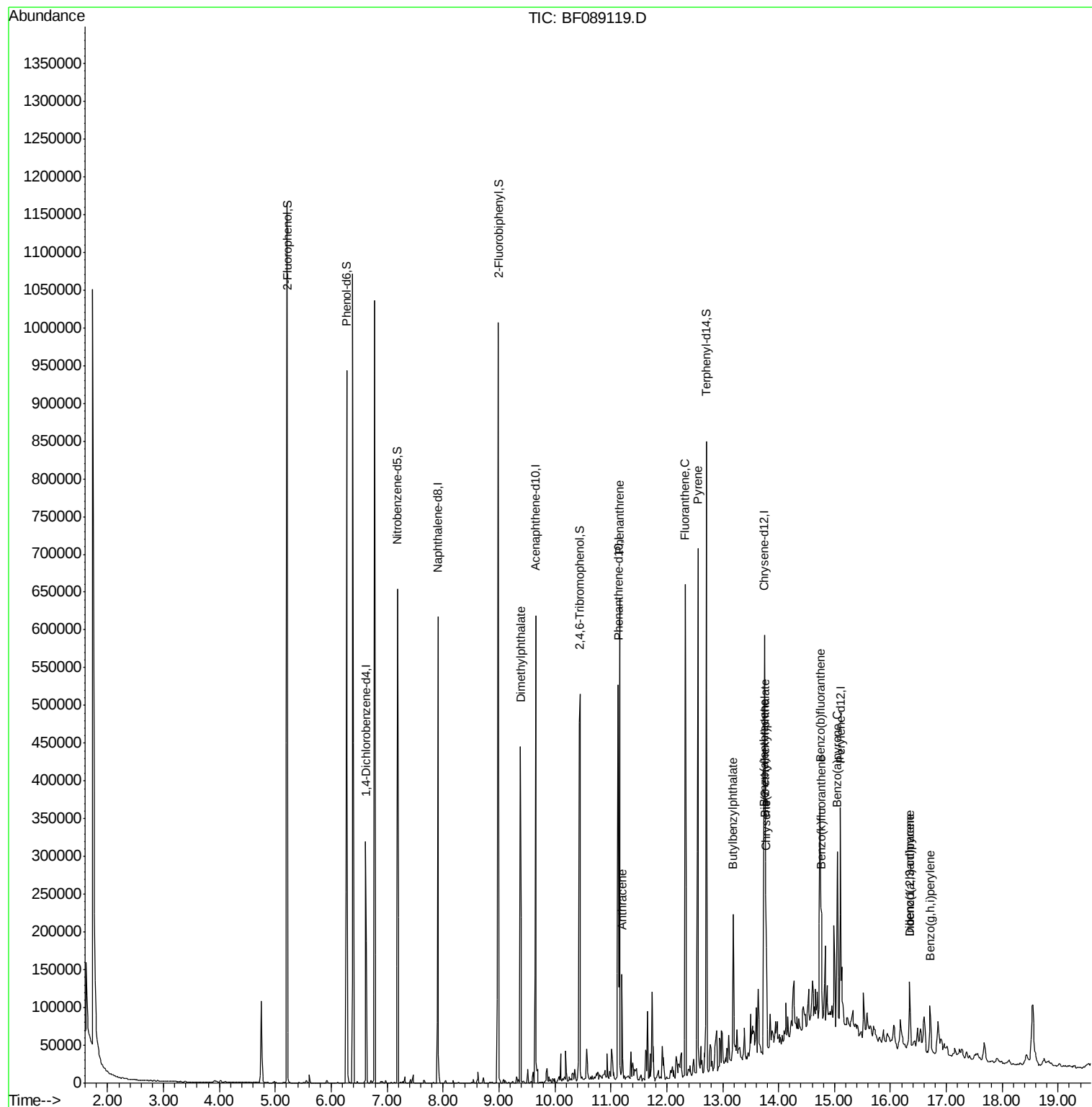
Target Compounds				Qvalue		
49) Dimethylphthalate	9.38	163	219348	26.91	ng	100
70) Phenanthrene	11.15	178	213465	20.99	ng	98
71) Anthracene	11.20	178	47911	4.74	ng	99
74) Fluoranthene	12.33	202	276252	26.80	ng	97
77) Pyrene	12.56	202	255289	26.13	ng	99
79) Butylbenzylphthalate	13.19	149	36867	8.46	ng	# 81
80) Benzo(a)anthracene	13.74	228	122112	16.46	ng	97
82) Chrysene	13.77	228	85930m	11.71	ng	
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	129959m	18.29	ng	
88) Benzo(k)fluoranthene	14.77	252	41734m	6.75	ng	
89) Benzo(a)pyrene	15.05	252	88537	14.72	ng	98
90) Dibenzo(a,h)anthracene	16.34	278	11389m	2.27	ng	
91) Benzo(g,h,i)perylene	16.71	276	42834	8.24	ng	98

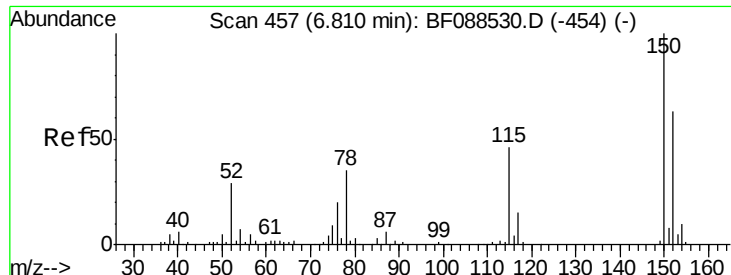
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

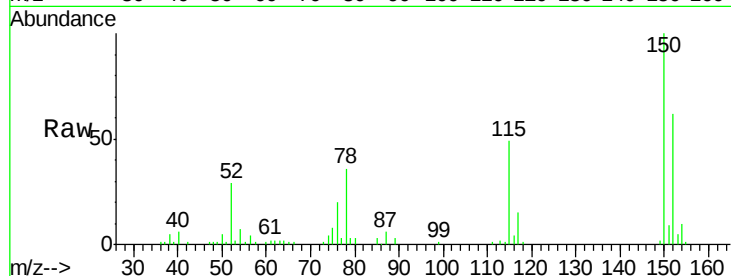
Tgt Ion:152 Resp: 56870

Ion Ratio Lower Upper

152 100

150 162.5 123.8 185.6

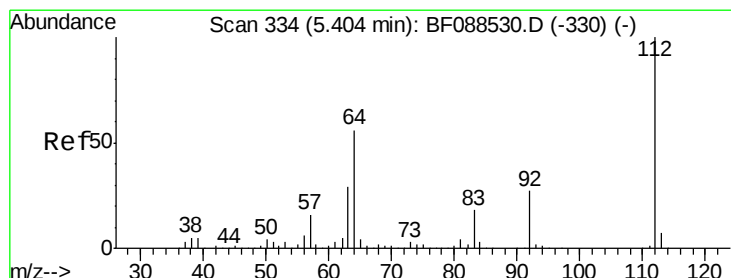
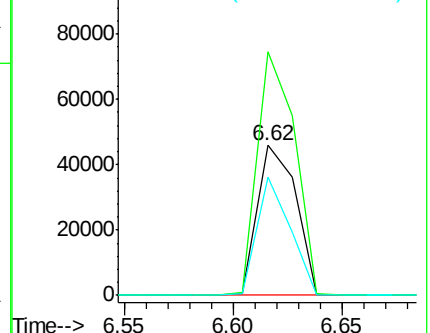
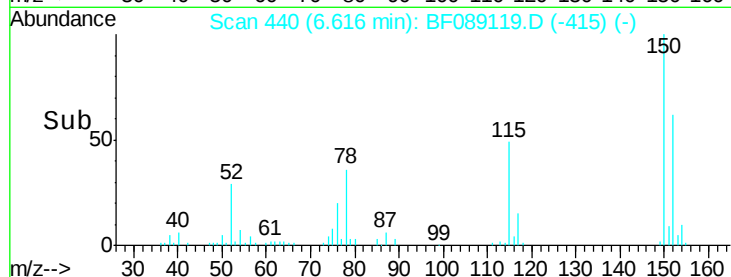
115 78.9 39.6 59.4#



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

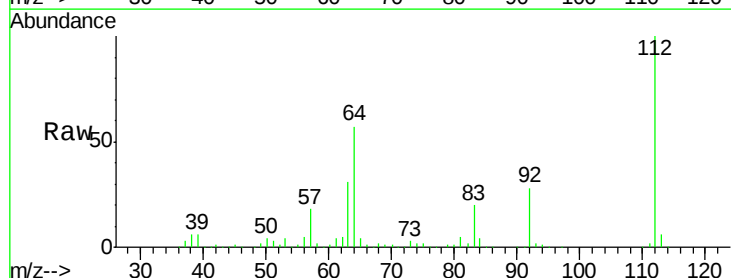
Tgt Ion:112 Resp: 328309

Ion Ratio Lower Upper

112 100

64 56.9 42.2 63.2

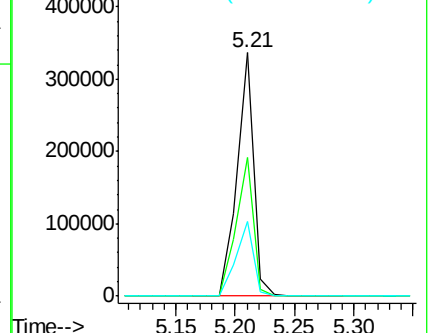
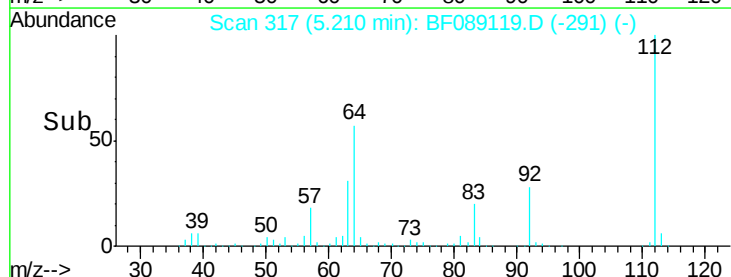
63 30.8 21.8 32.8



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

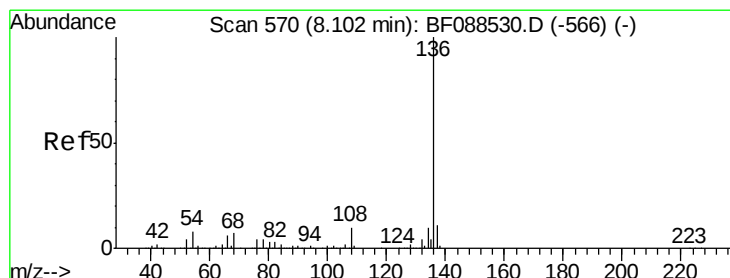
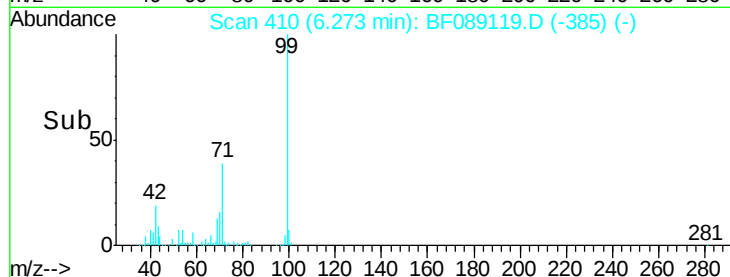
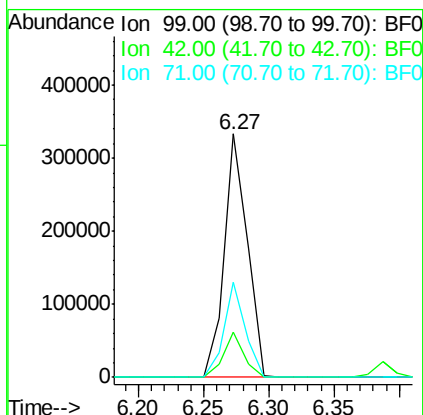
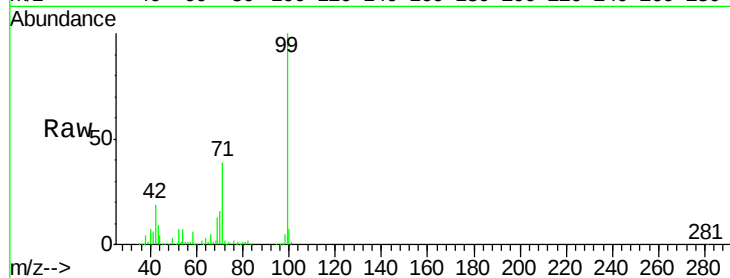
Tgt Ion: 99 Resp: 408838

Ion Ratio Lower Upper

99 100

42 18.7 12.2 18.2#

71 39.1 23.4 35.0#



#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

Tgt Ion: 136 Resp: 248342

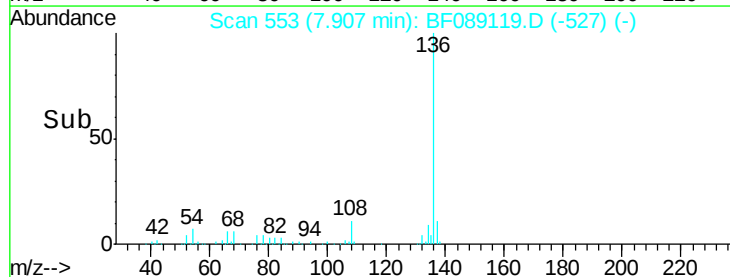
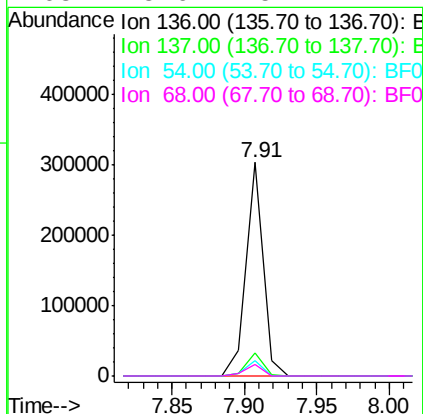
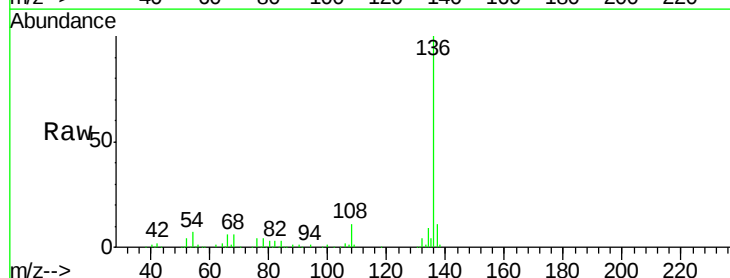
Ion Ratio Lower Upper

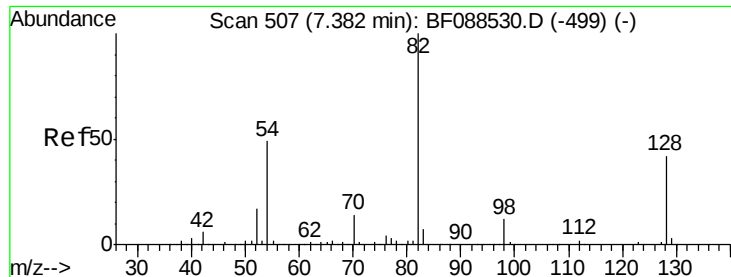
136 100

137 10.7 9.1 13.7

54 7.3 6.6 10.0

68 5.6 5.1 7.7

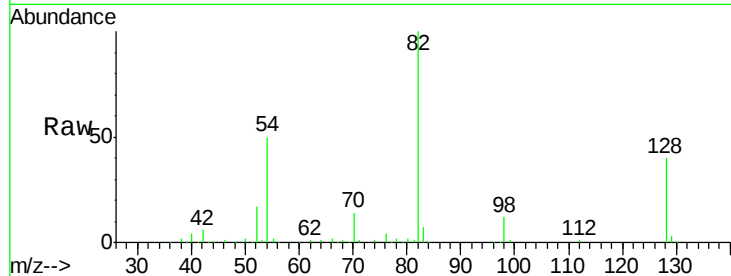




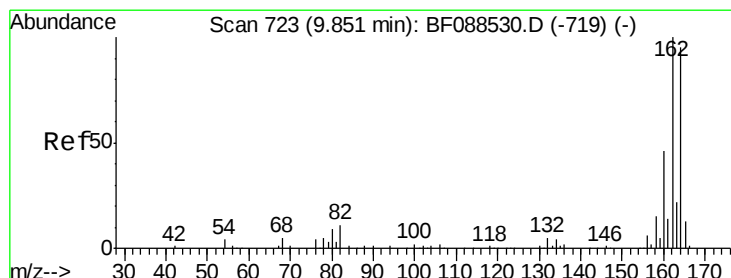
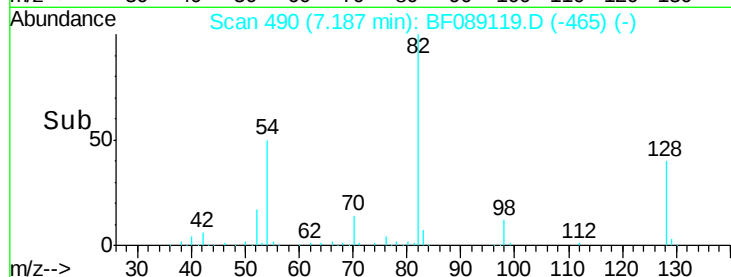
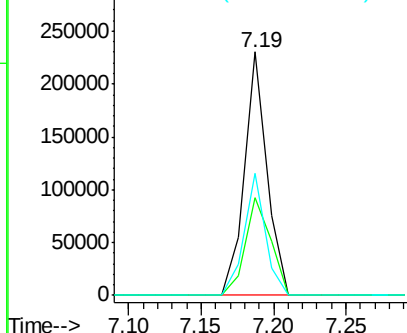
#23
 Nitrobenzene-d5
 Concen: 52.45 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

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

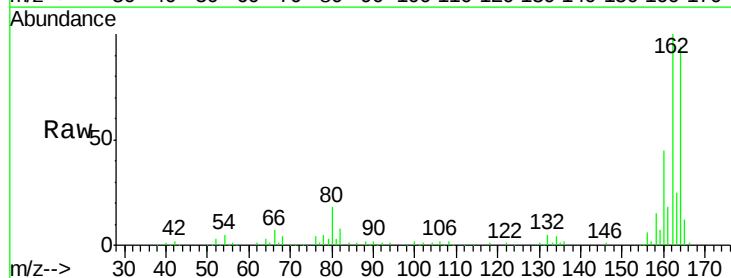


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

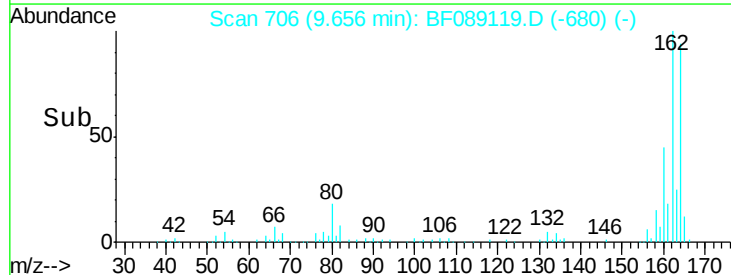
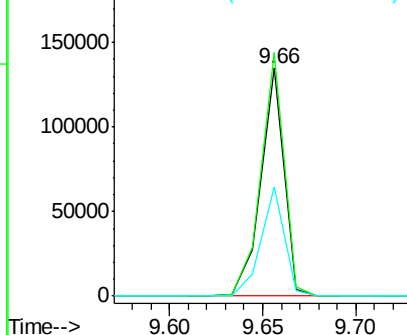


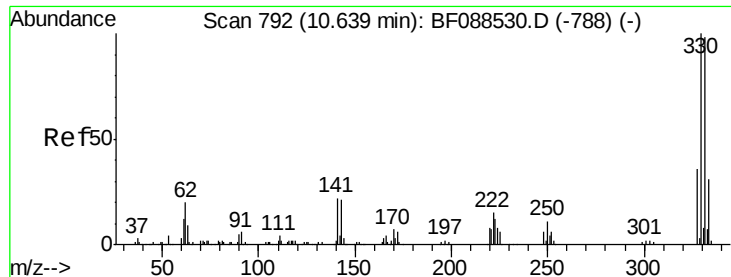
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

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

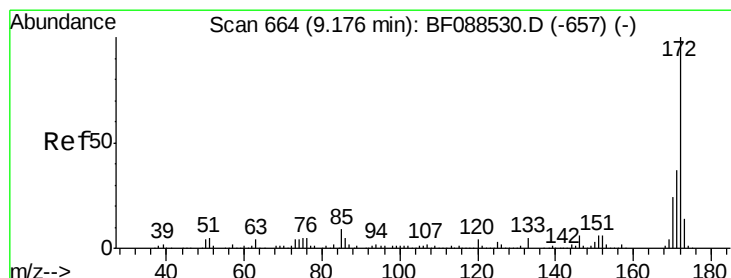
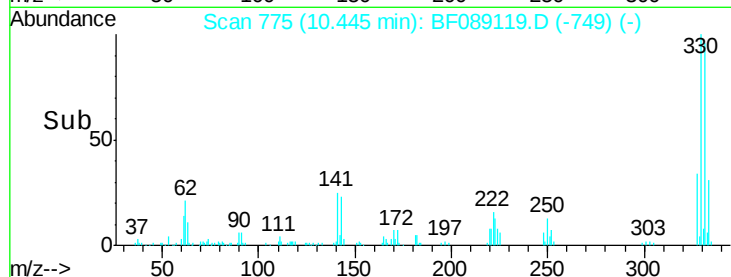
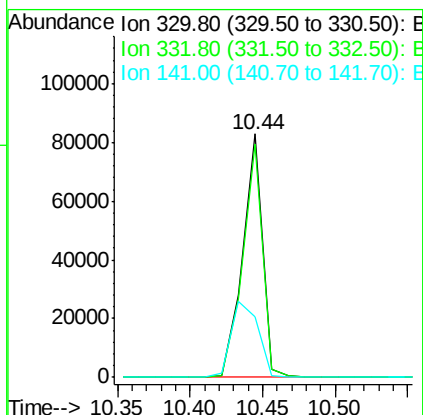
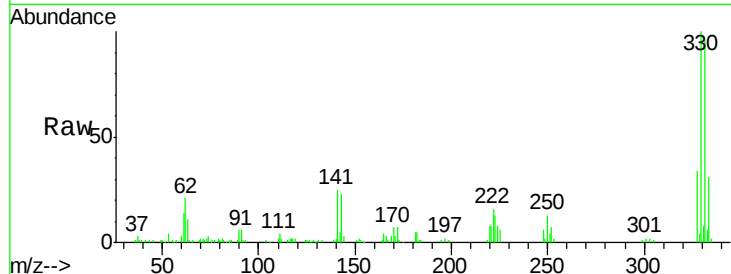




#41
 2,4,6-Tribromophenol
 Concen: 74.16 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

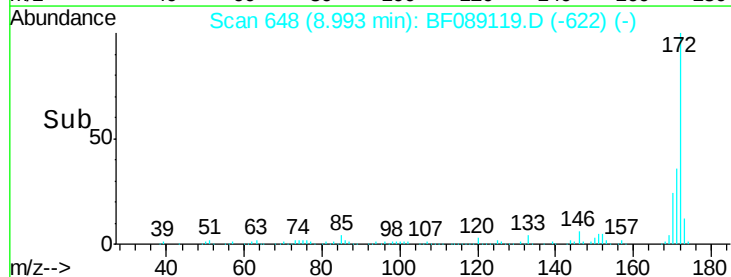
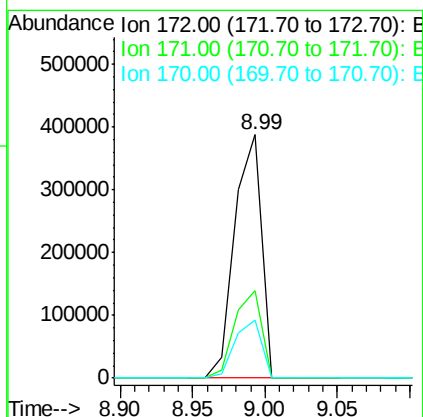
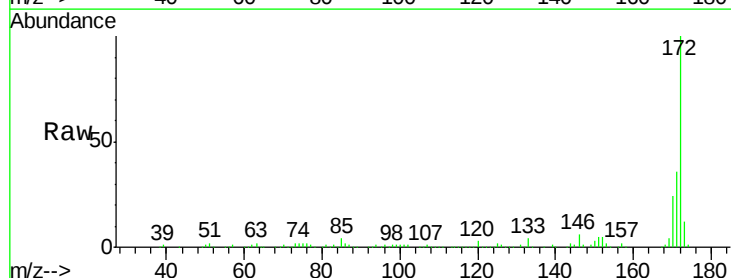
Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

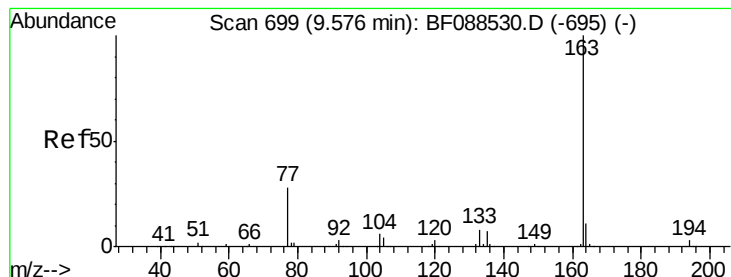
Tgt Ion:330 Resp: 78800
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 42.2 0.0 0.0#



#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

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





#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

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

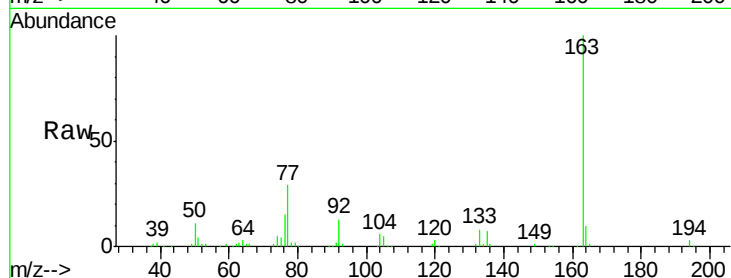
Tgt Ion:163 Resp: 219348

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

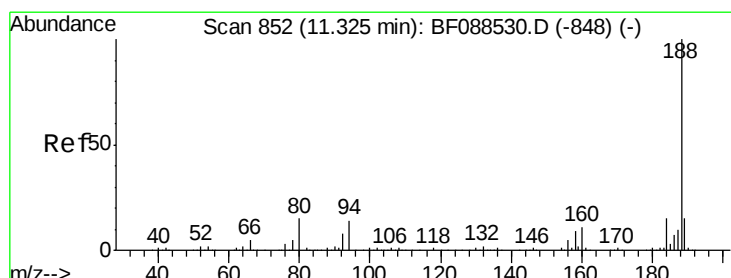
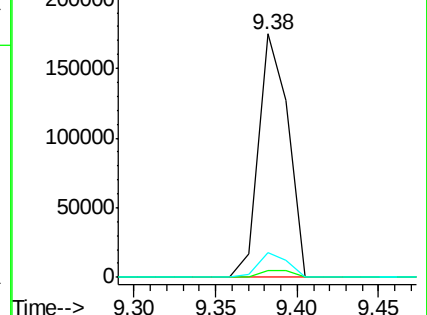
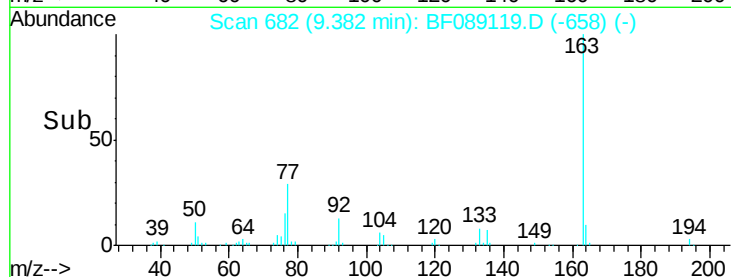
164 10.4 8.3 12.5



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



#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

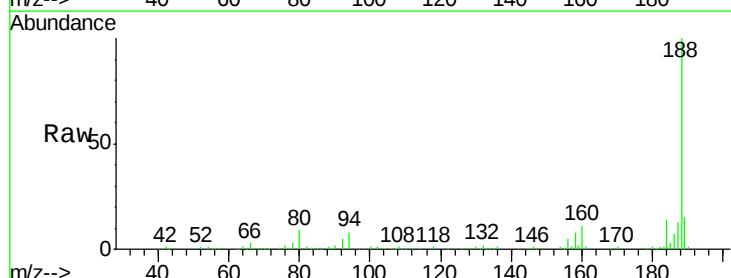
Tgt Ion:188 Resp: 185997

Ion Ratio Lower Upper

188 100

94 8.4 9.0 13.6#

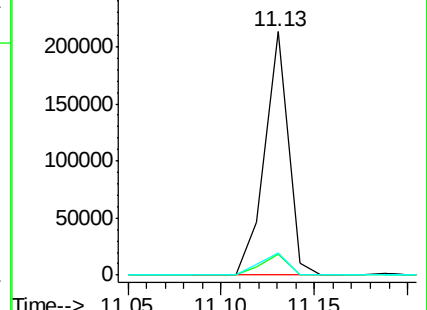
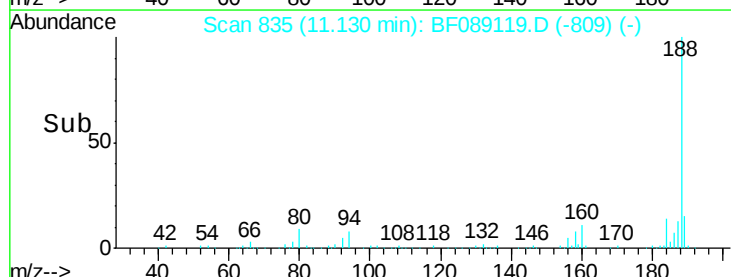
80 9.2 10.0 15.0#

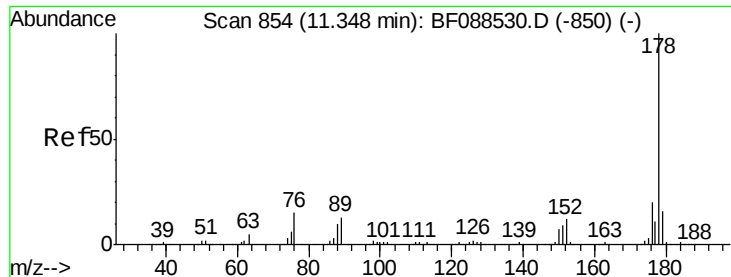


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

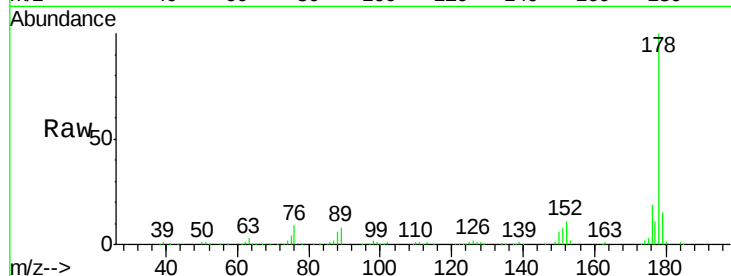




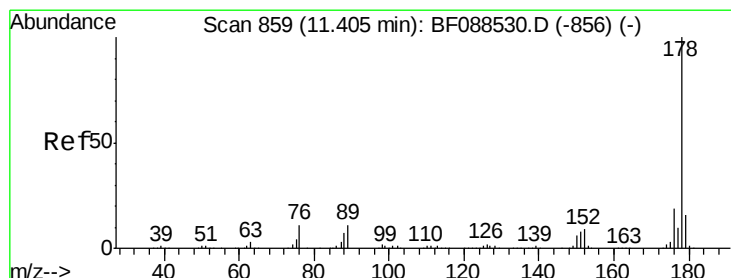
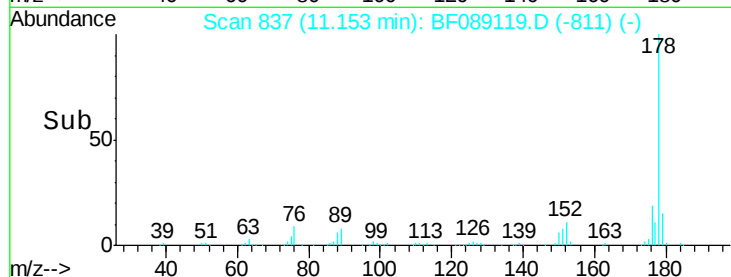
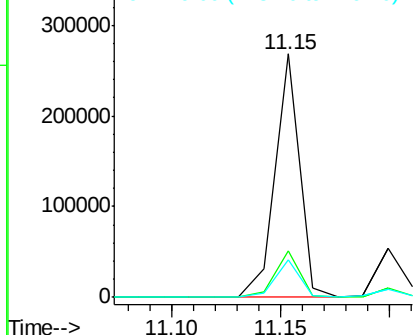
#70
Phenanthrene
Concen: 20.99 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

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

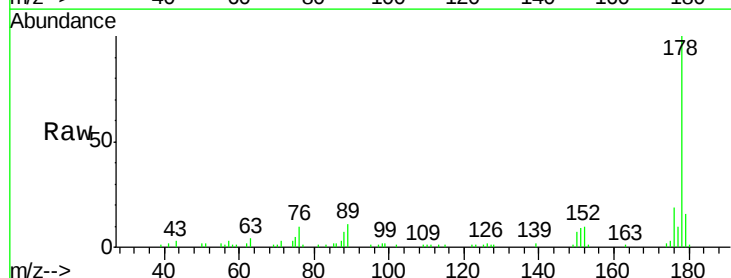


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

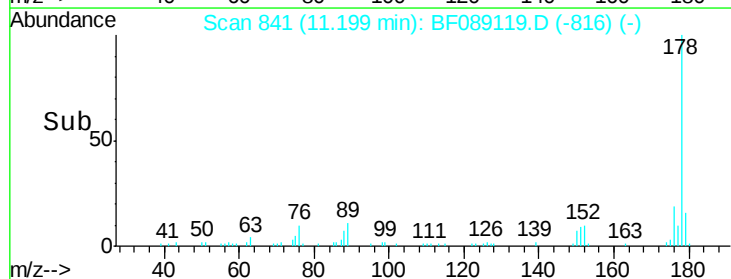
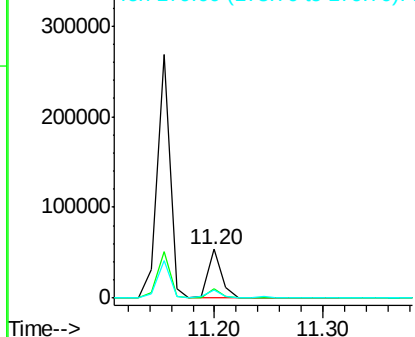


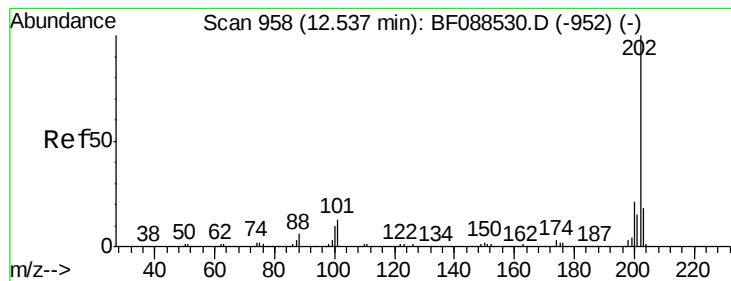
#71
Anthracene
Concen: 4.74 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

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

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

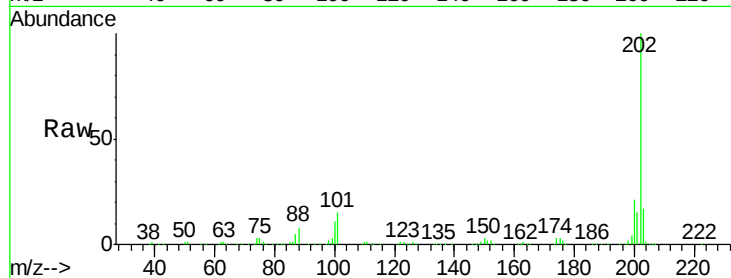
Tgt Ion: 202 Resp: 276252

Ion Ratio Lower Upper

202 100

101 14.9 0.0 33.1

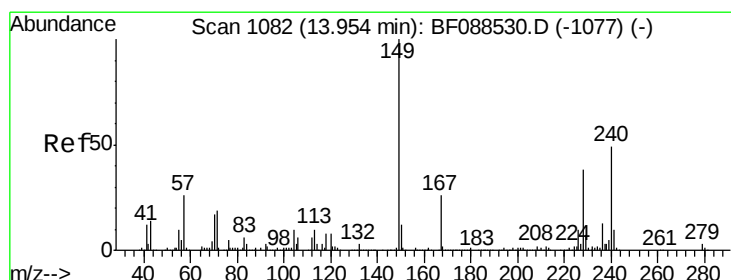
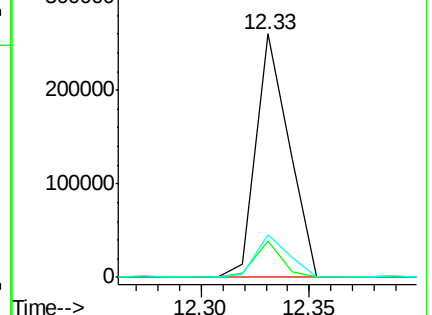
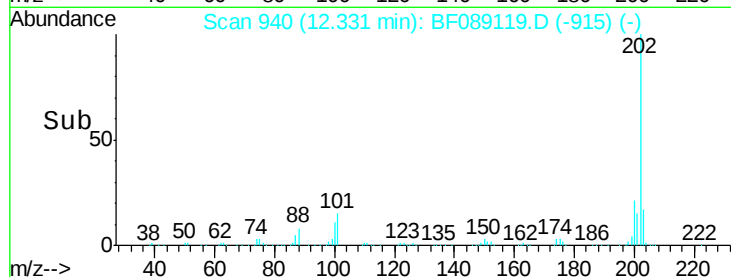
203 17.3 0.0 38.1



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

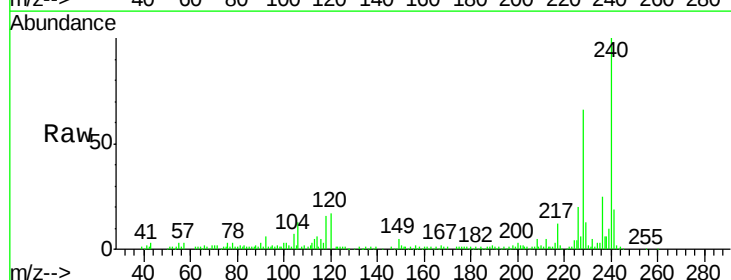
Tgt Ion: 240 Resp: 115235

Ion Ratio Lower Upper

240 100

120 16.5 6.8 10.2#

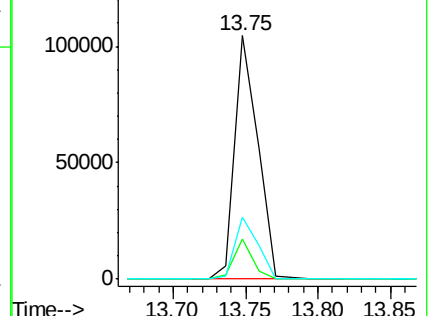
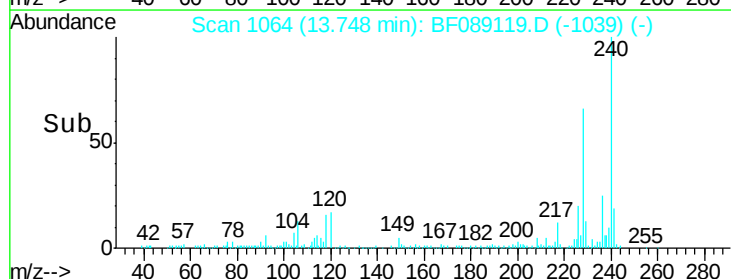
236 25.4 20.2 30.2

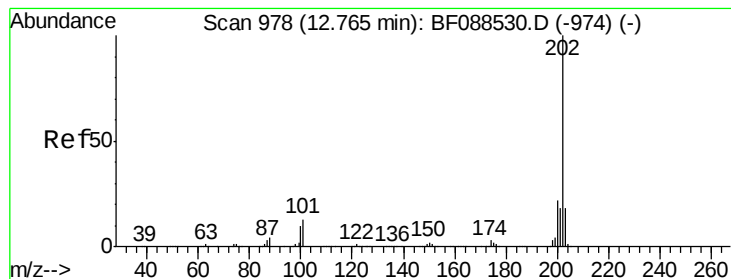


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

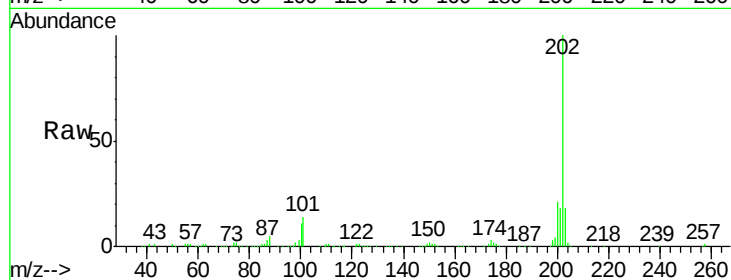
Tgt Ion:202 Resp: 255289

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

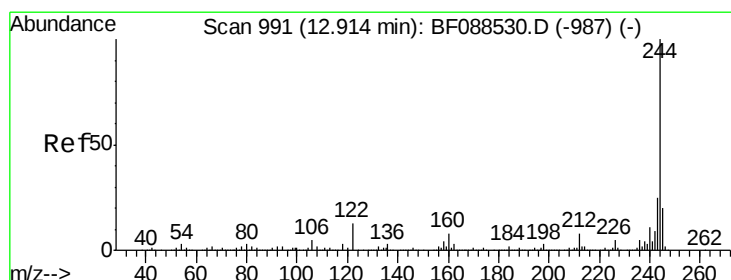
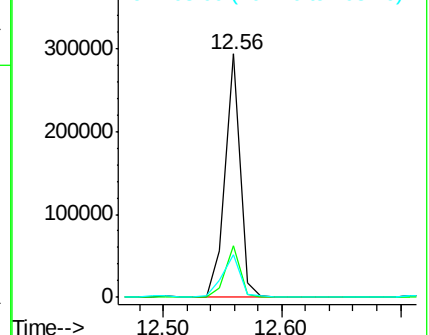
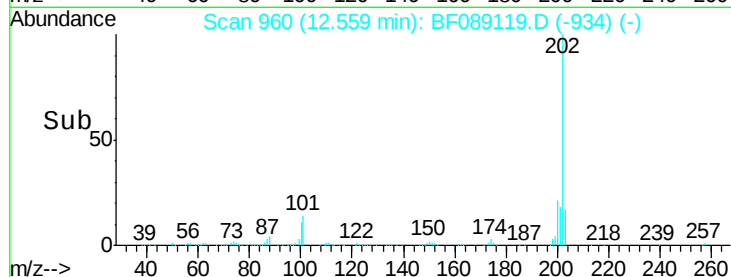
203 17.7 14.5 21.7



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

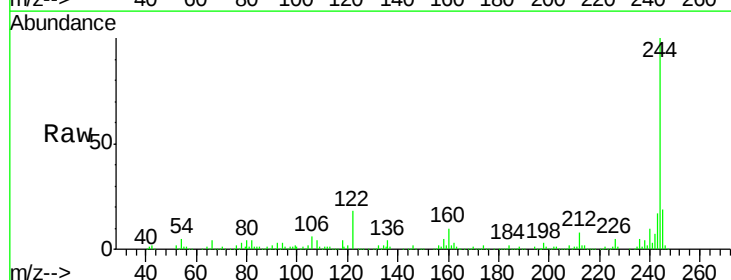
Tgt Ion:244 Resp: 304054

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

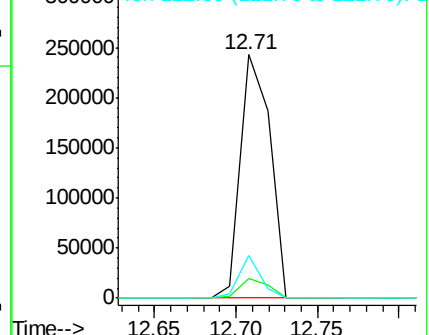
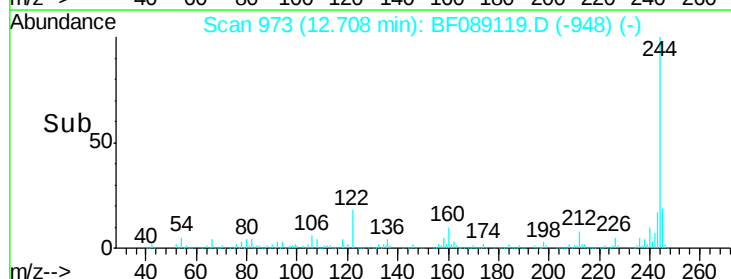
122 17.5 11.2 16.8#

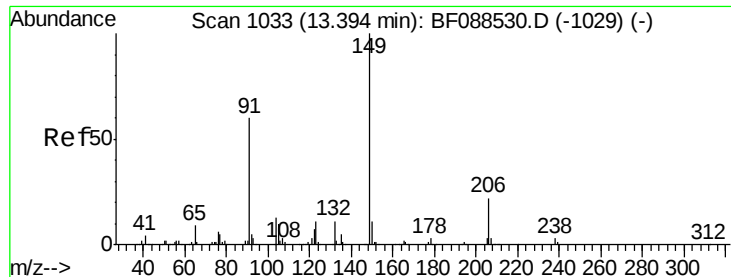


Abundance Ion 244.00 (243.70 to 244.70): E

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: 13.19 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

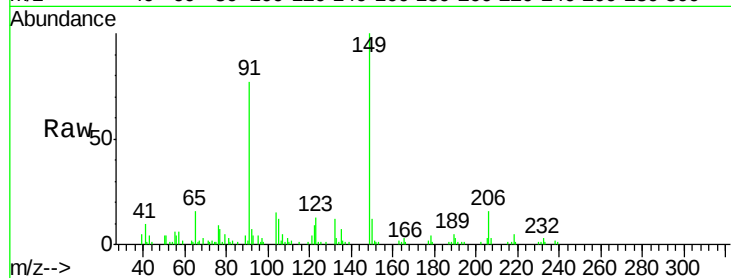
Tgt Ion:149 Resp: 36867

Ion Ratio Lower Upper

149 100

91 77.0 48.0 72.0#

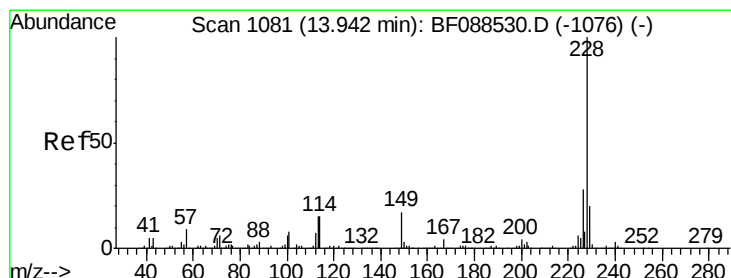
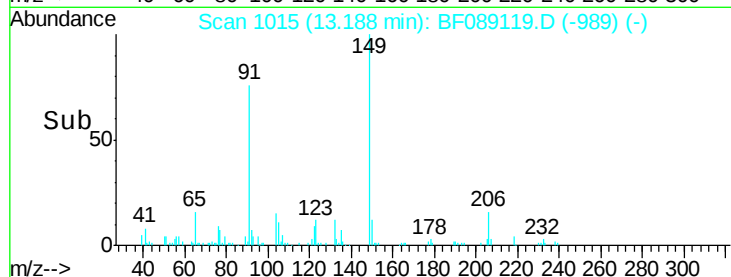
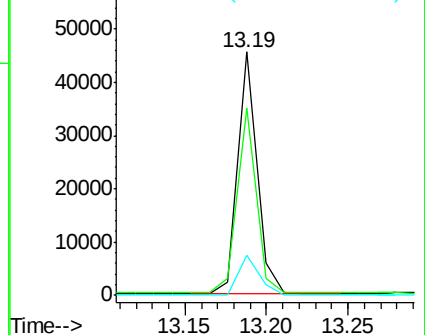
206 16.2 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#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

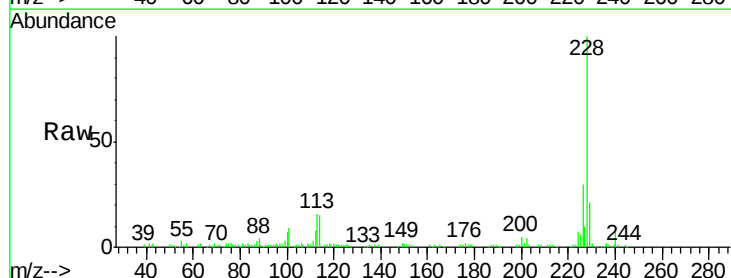
Tgt Ion:228 Resp: 122112

Ion Ratio Lower Upper

228 100

226 30.3 22.3 33.5

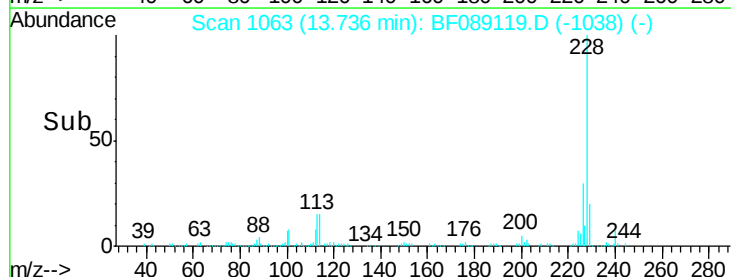
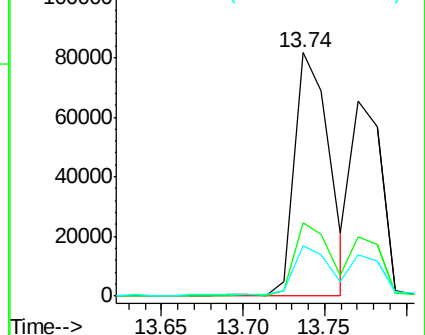
229 20.6 16.0 24.0

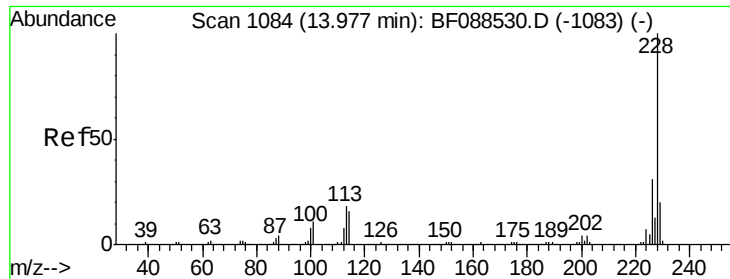


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.71 ng m

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF089119.D

Acq: 19 Jul 2016 15:41

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

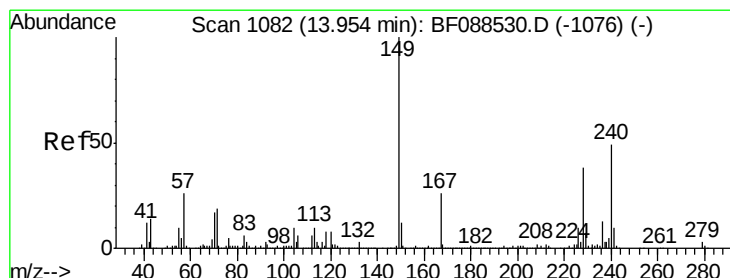
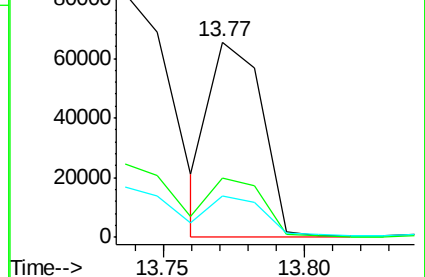
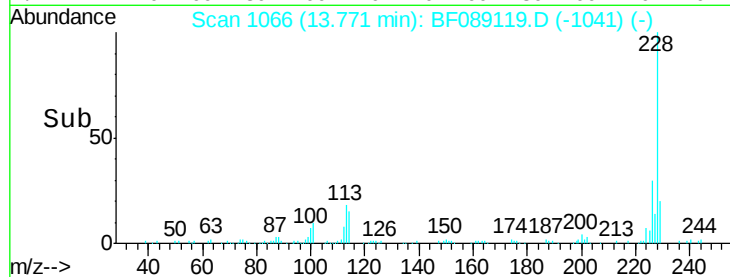
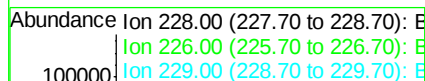
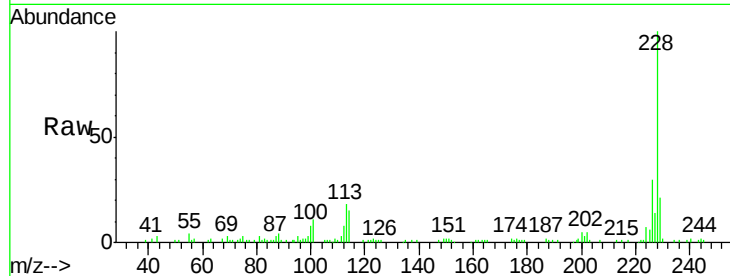
Tgt Ion:228 Resp: 85930

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

229 21.2 16.3 24.5



#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

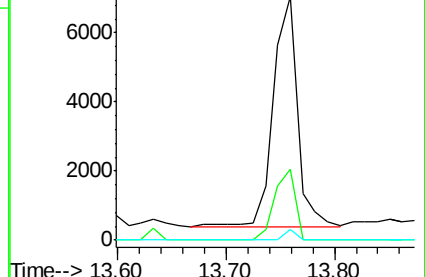
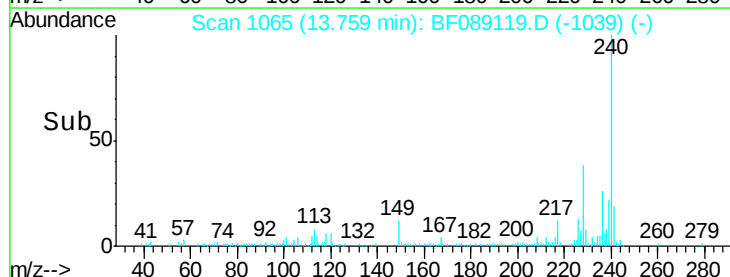
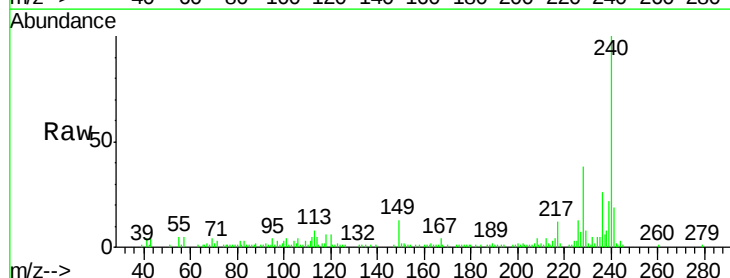
Tgt Ion:149 Resp: 10401

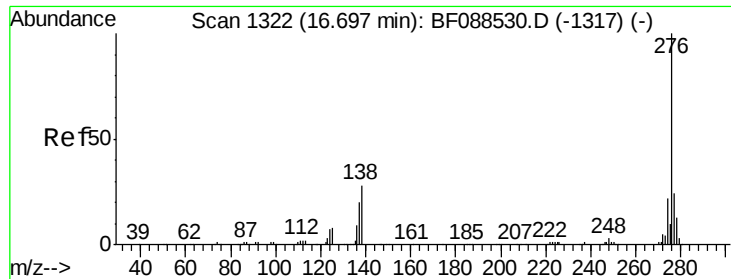
Ion Ratio Lower Upper

149 100

167 29.0 20.5 30.7

279 4.6 2.0 3.0#

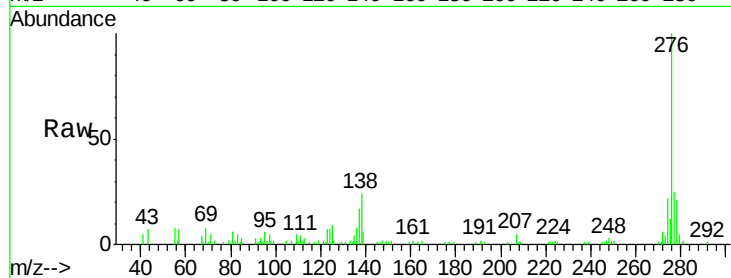




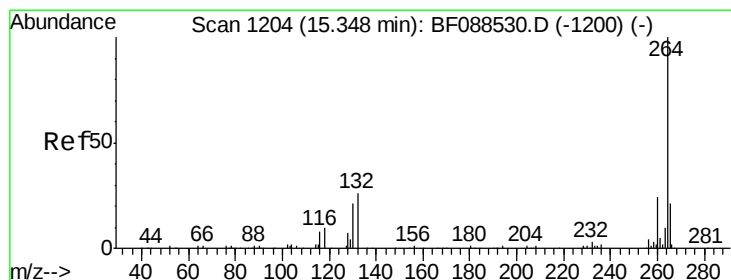
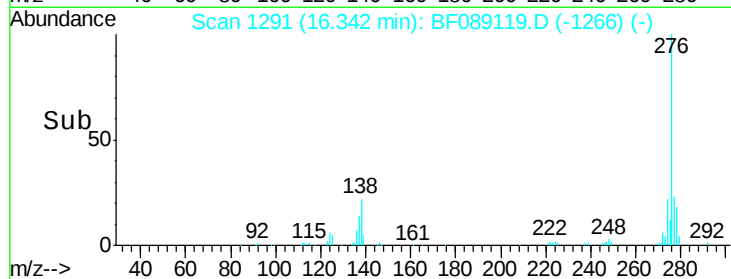
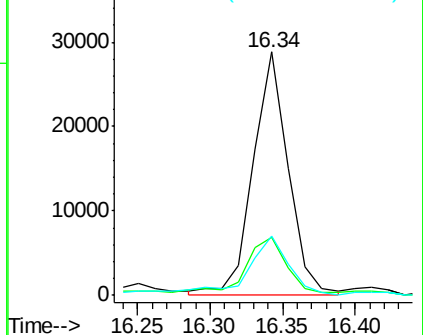
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.64 ng
 RT: 16.34 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

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#

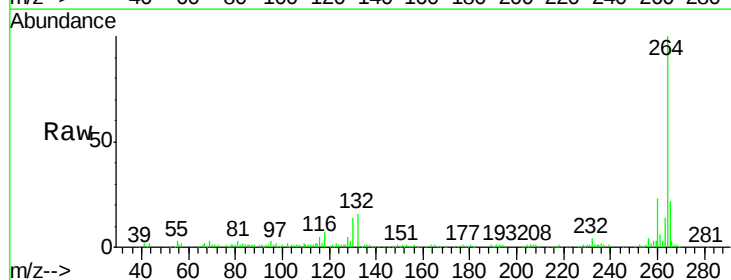


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

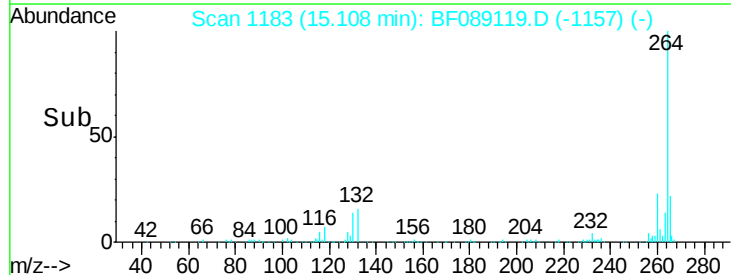
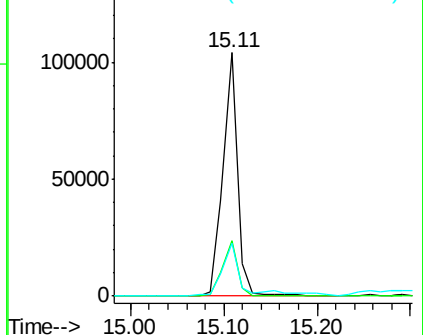


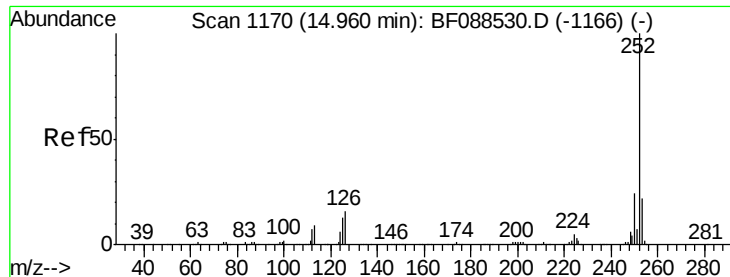
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF089119.D
 Acq: 19 Jul 2016 15:41

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



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

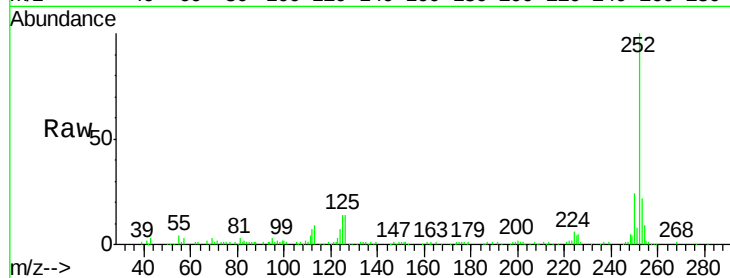




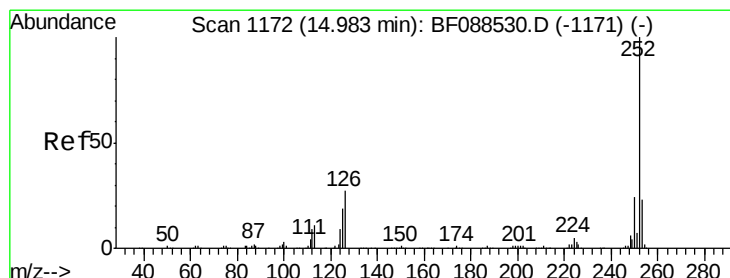
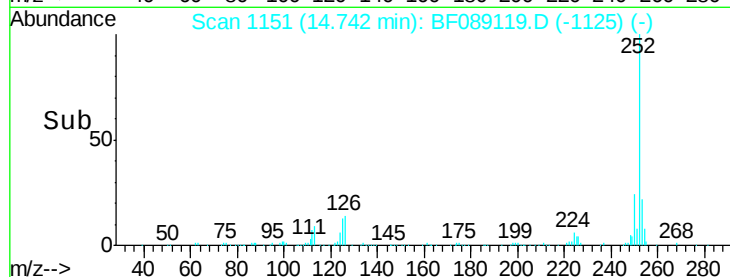
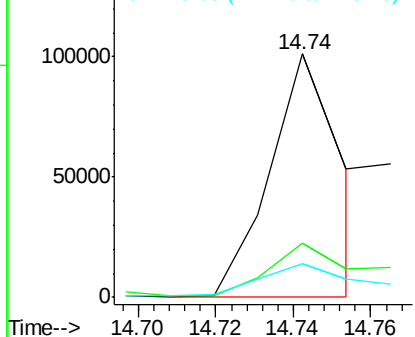
#87
Benzo(b)fluoranthene
Concen: 18.29 ng m
RT: 14.74 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion:252 Resp: 129959
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 13.7 7.1 10.7#

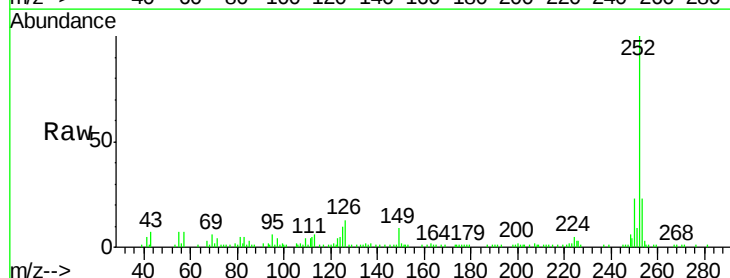


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

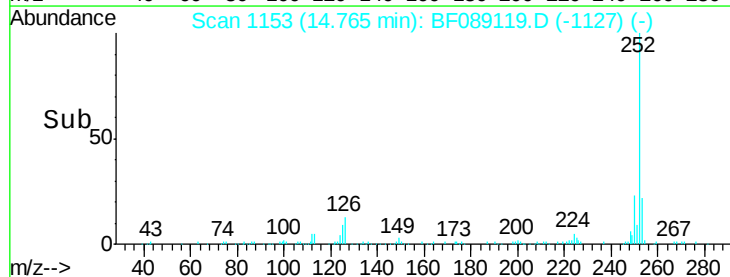
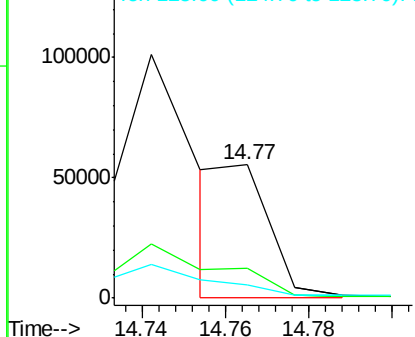


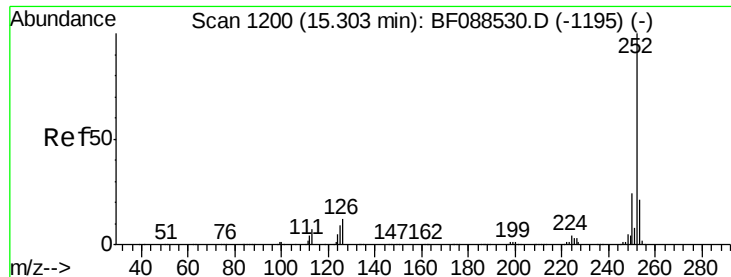
#88
Benzo(k)fluoranthene
Concen: 6.75 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

Tgt Ion:252 Resp: 41734
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 10.2 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

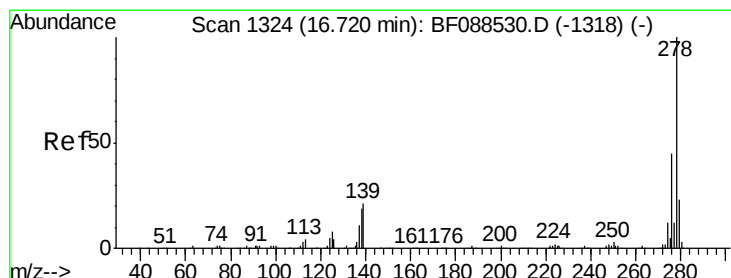
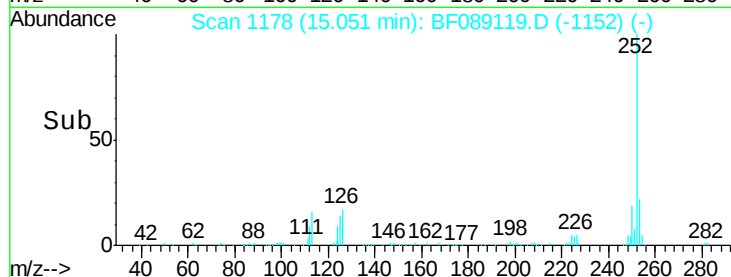
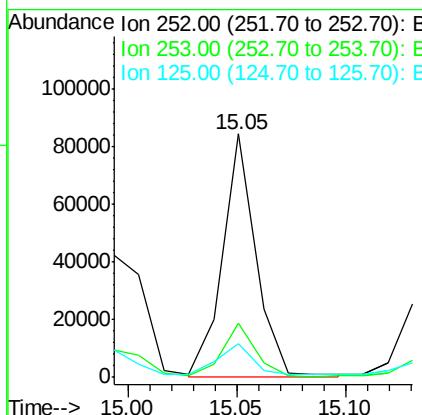
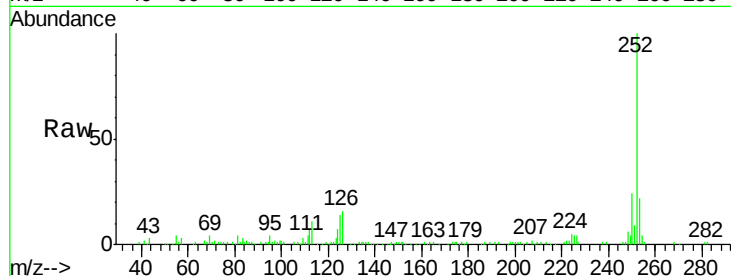




#89
Benzo(a)pyrene
Concen: 14.72 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

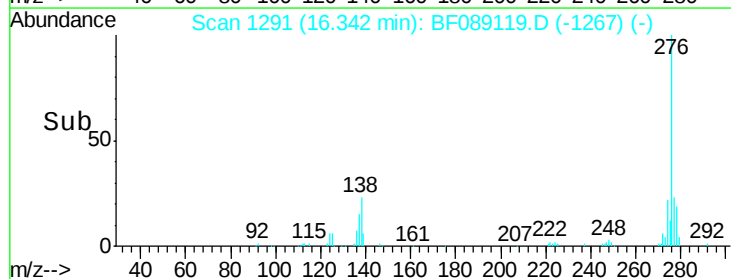
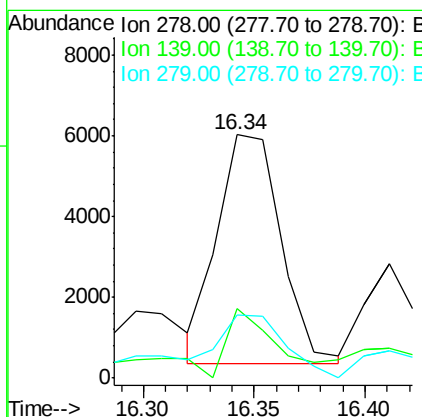
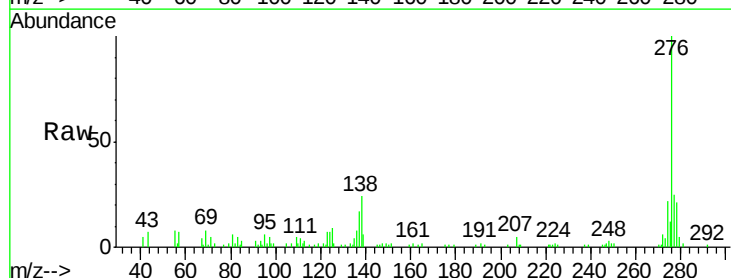
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

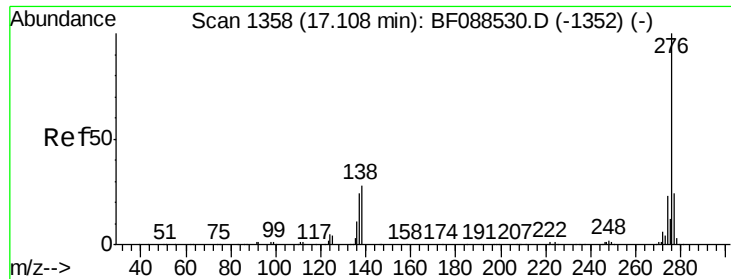
Tgt Ion:252 Resp: 88537
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 14.0 12.5 18.7



#90
Dibenzo(a,h)anthracene
Concen: 2.27 ng m
RT: 16.34 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF089119.D
Acq: 19 Jul 2016 15:41

Tgt Ion:278 Resp: 11389
Ion Ratio Lower Upper
278 100
139 28.7 15.7 23.5#
279 26.1 19.4 29.2





#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

