

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096517.D
 Acq On : 6 Jul 2017 7:28
 Operator : SJ/MA
 Sample : I3975-09 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B8-2-4

Quant Time: Jul 06 08:58:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

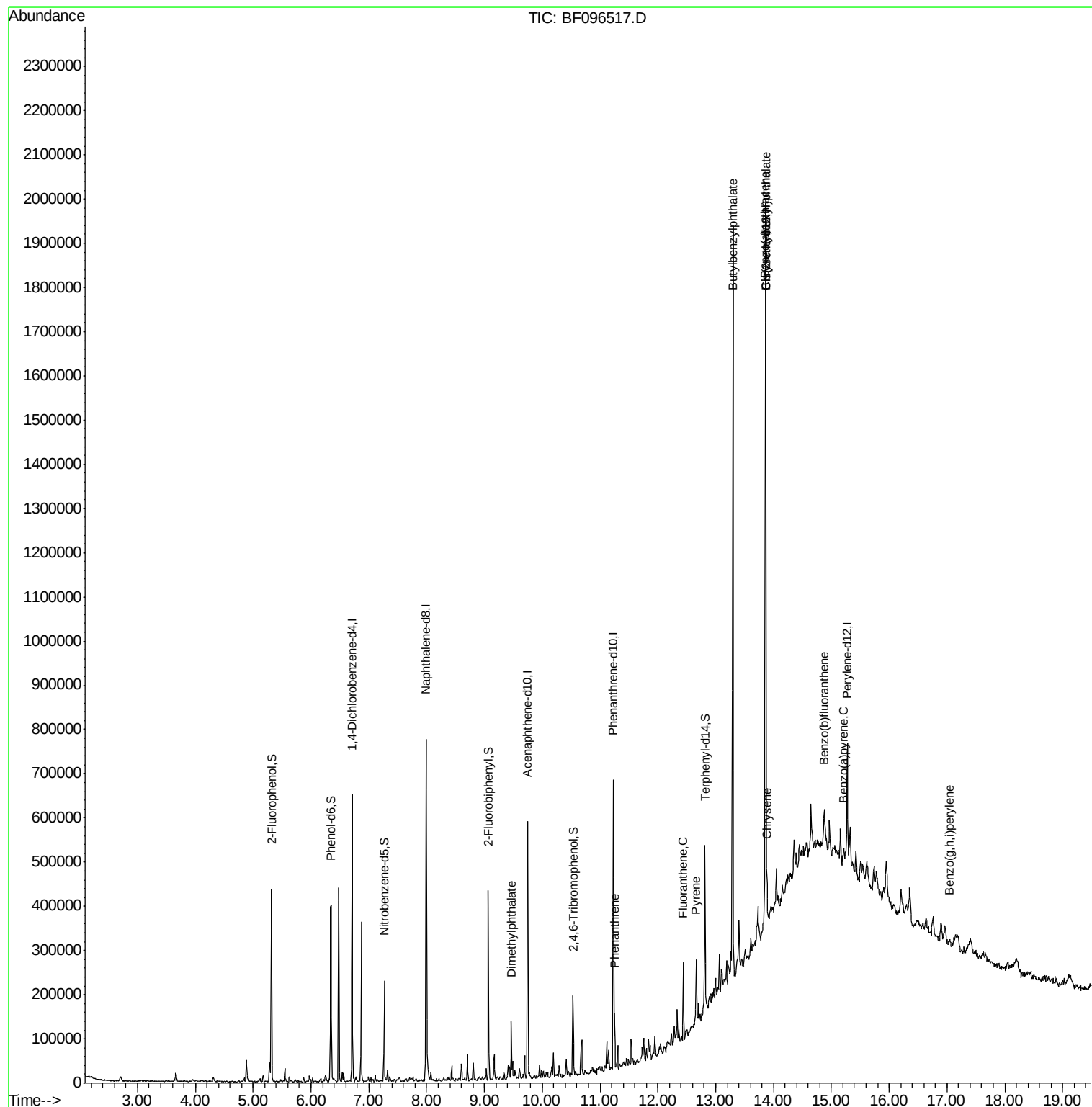
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	90724	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	330549	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	120759	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	218255	20.00	ng	0.00
75) Chrysene-d12	13.86	240	161091	20.00	ng	0.00
86) Perylene-d12	15.27	264	113614	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	115563	18.80	ng	0.00
7) Phenol-d6	6.35	99	133954	17.73	ng	-0.01
23) Nitrobenzene-d5	7.27	82	64916	11.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	17782	18.85	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	122581	17.36	ng	-0.01
78) Terphenyl-d14	12.81	244	108646	14.41	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.46	163	45845	5.09	ng	98
70) Phenanthrene	11.25	178	38794	3.29	ng	100
74) Fluoranthene	12.44	202	62501	5.40	ng	99
77) Pyrene	12.66	202	62085	4.80	ng	98
79) Butylbenzylphthalate	13.30	149	399221	60.99	ng	# 85
80) Benzo(a)anthracene	13.85	228	26097	2.80	ng	92
82) Chrysene	13.89	228	37113m	3.80	ng	
83) Bis(2-ethylhexyl)phthalate	13.86	149	313678	42.93	ng	# 99
87) Benzo(b)fluoranthene	14.87	252	38765m	5.45	ng	
89) Benzo(a)pyrene	15.22	252	16238	2.55	ng	# 61
91) Benzo(g,h,i)perylene	17.05	276	11276	2.18	ng	# 81

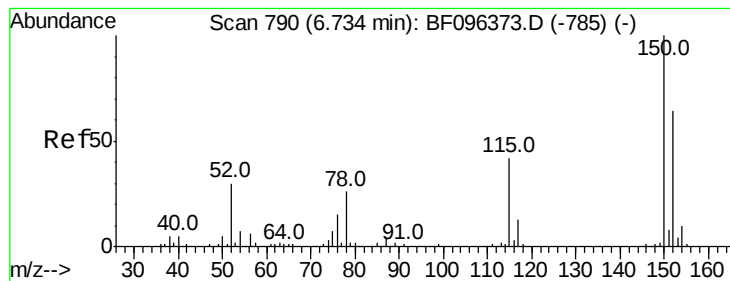
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

B8-2-4

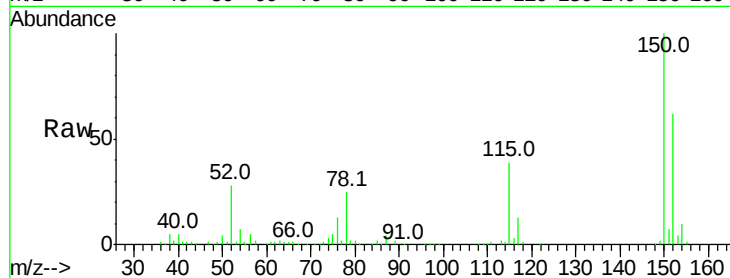
Tot Ion:152 Resp: 90724

Ion Ratio Lower Upper

152 100

150 162.5 126.2 189.2

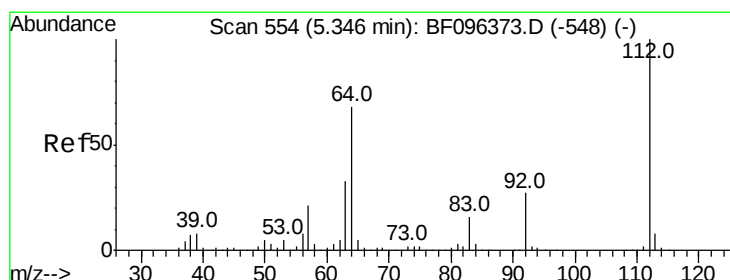
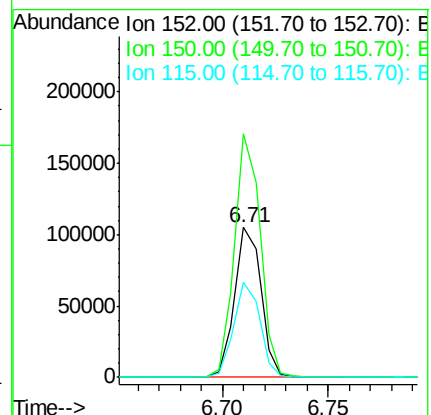
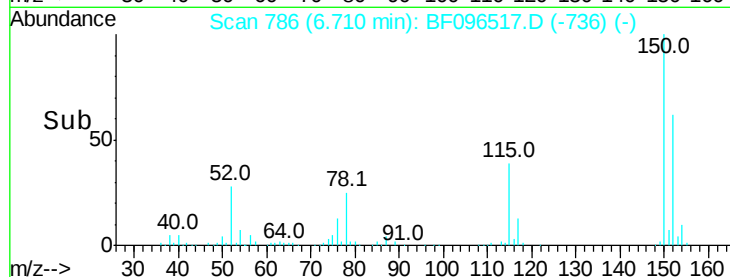
115 63.6 52.2 78.2



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: 18.80 ng

RT: 5.32 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

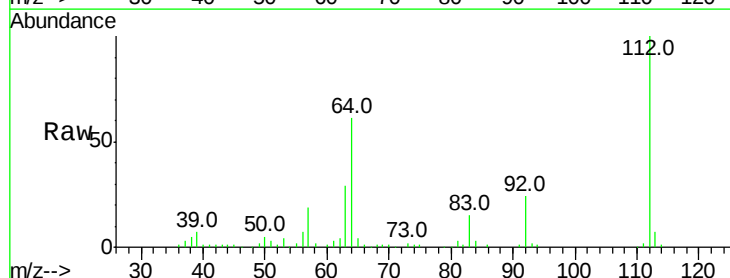
Tgt Ion:112 Resp: 115563

Ion Ratio Lower Upper

112 100

64 61.1 46.0 69.0

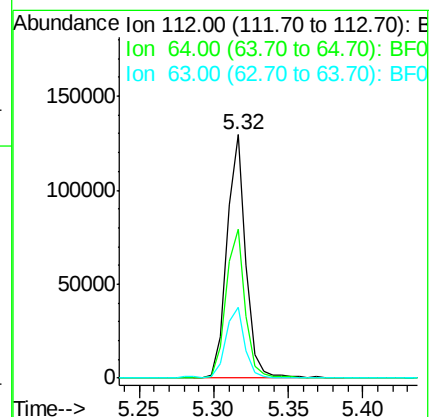
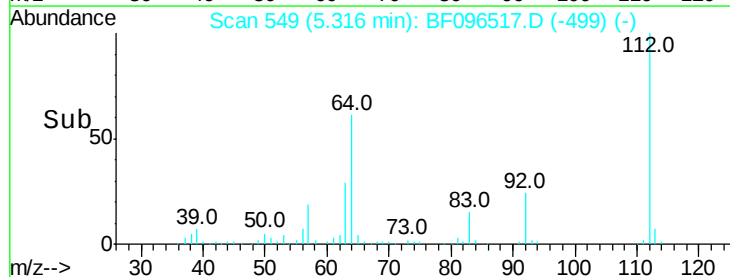
63 29.1 23.4 35.0

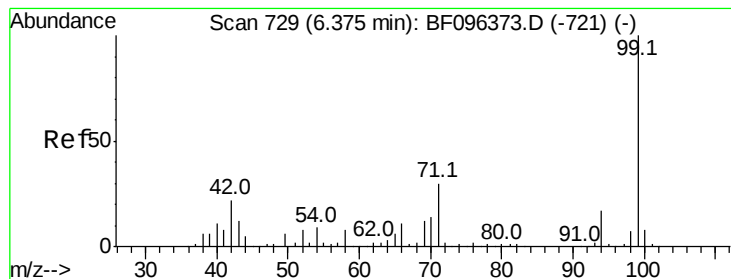


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.73 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

B8-2-4

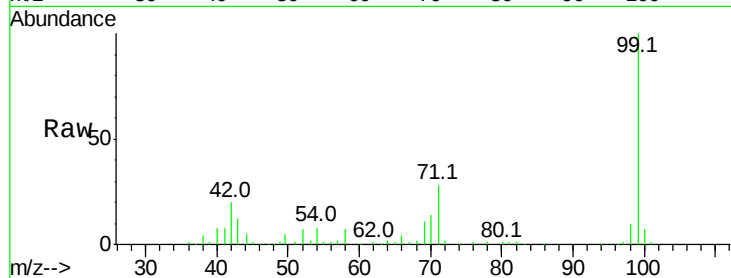
Tot Ion: 99 Resp: 133954

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

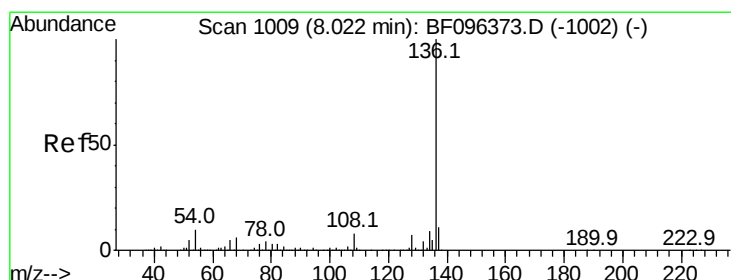
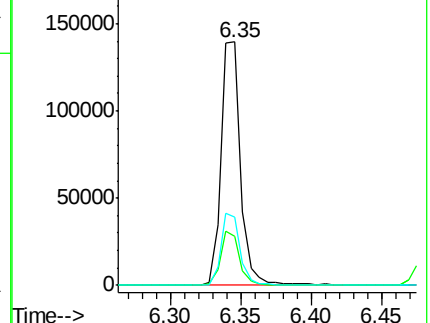
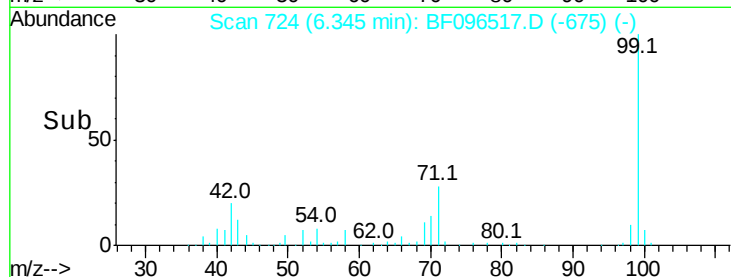
71 28.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Tgt Ion: 136 Resp: 330549

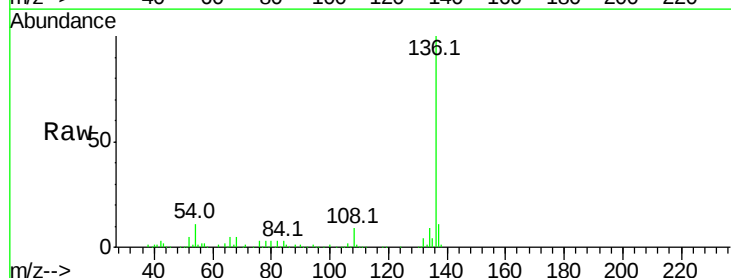
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 11.1 4.9 7.3#

68 5.4 4.1 6.1

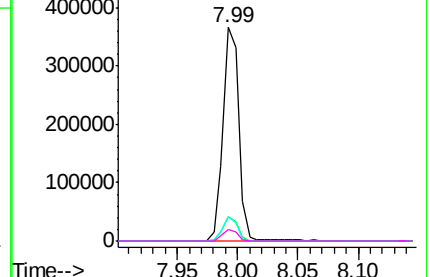
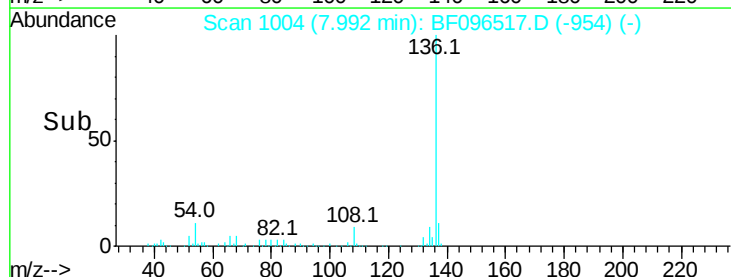


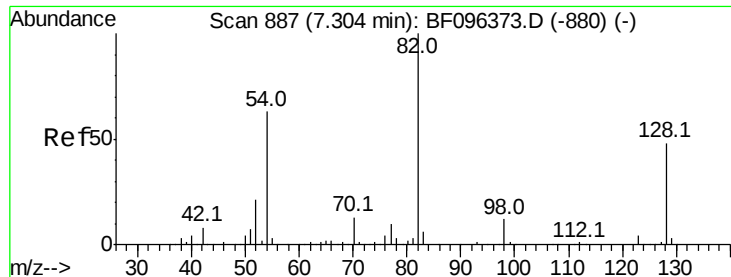
Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.80 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Instrument :

BNA_F

ClientSampled :

B8-2-4

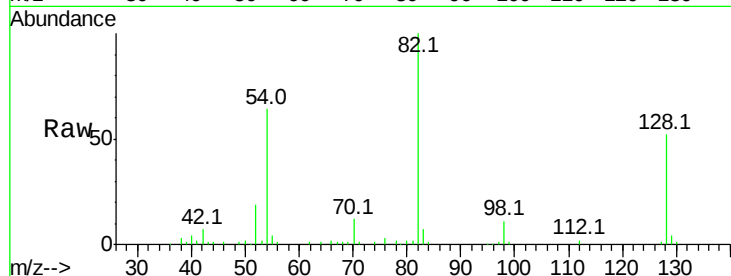
Tot Ion: 82 Resp: 64916

Ion Ratio Lower Upper

82 100

128 51.6 34.0 51.0#

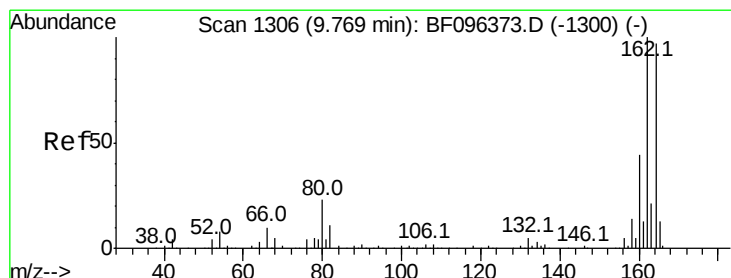
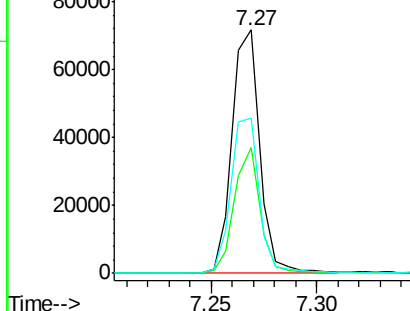
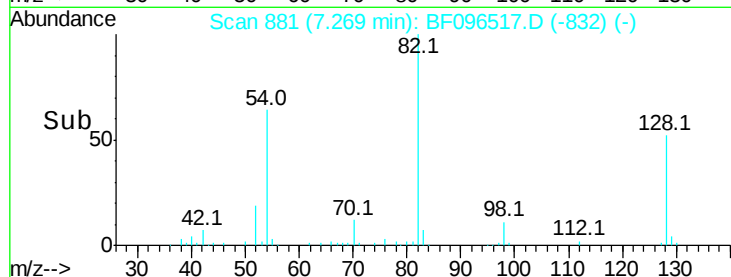
54 64.0 42.2 63.2#



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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

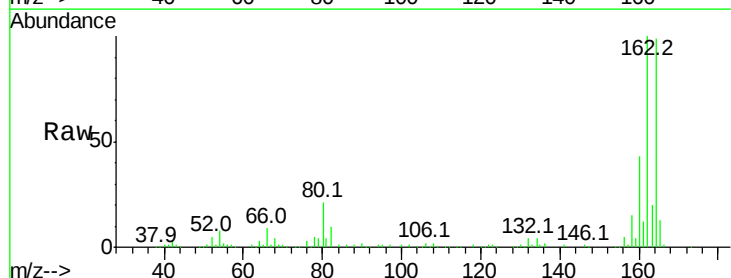
Tgt Ion:164 Resp: 120759

Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

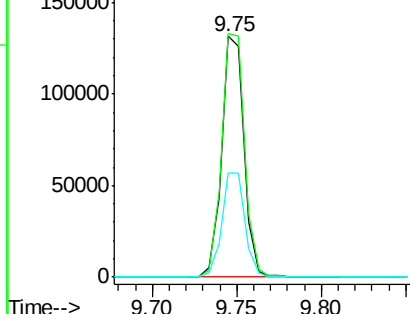
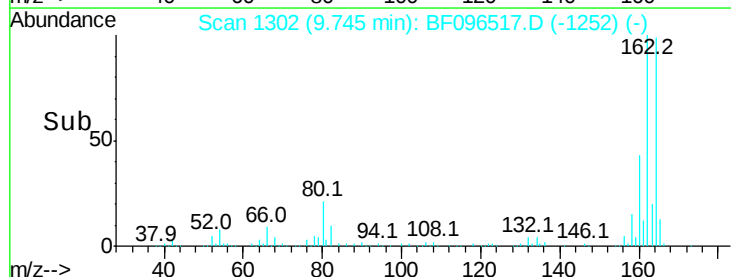
160 43.2 36.2 54.2

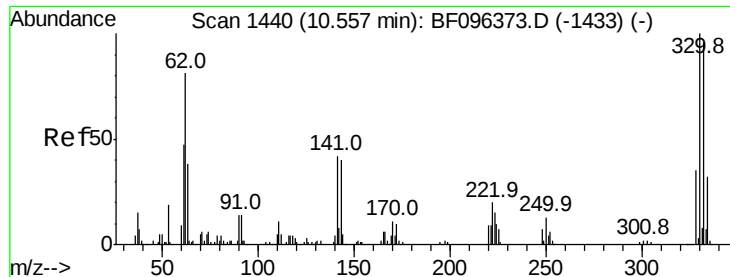


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

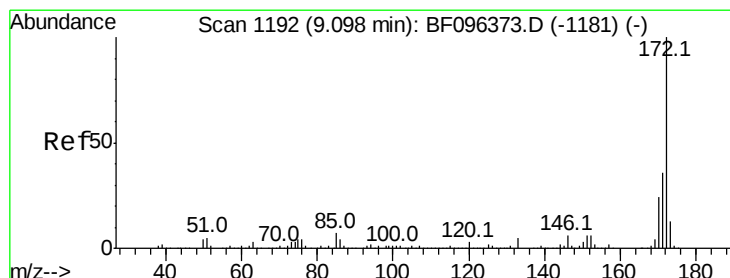
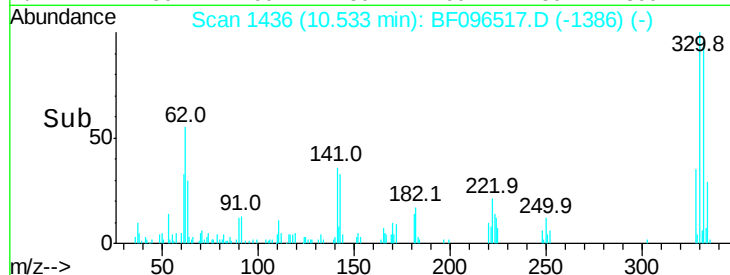
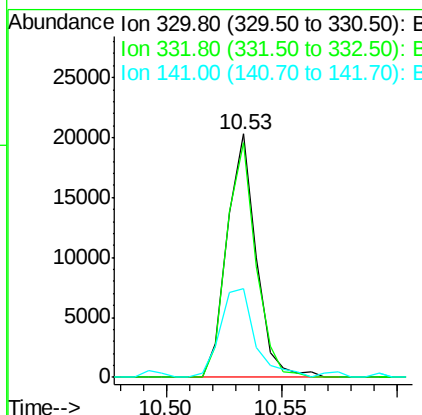
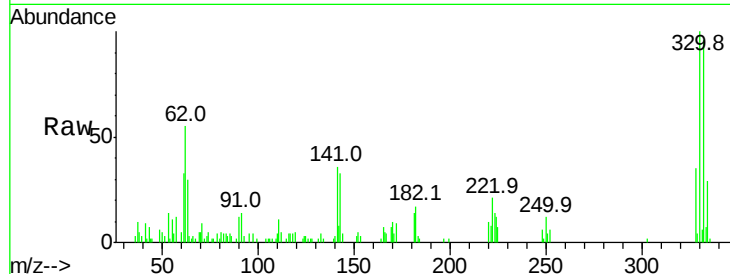




#41
 2,4,6-Tribromophenol
 Concen: 18.85 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096517.D
 Acq: 6 Jul 2017 7:28

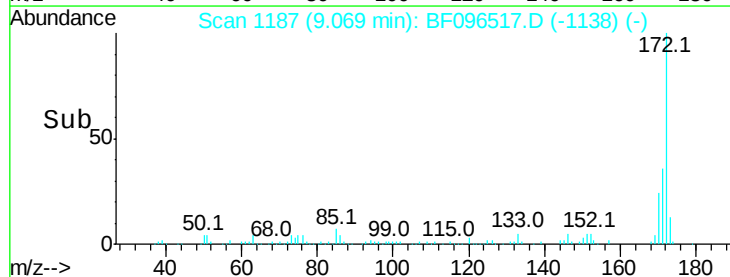
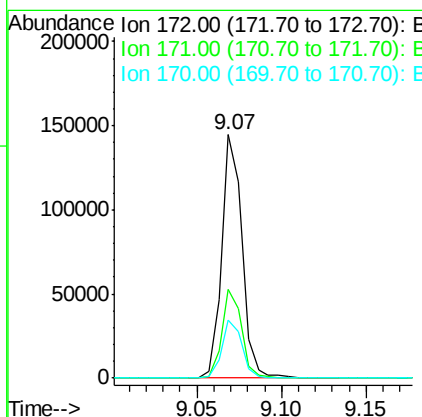
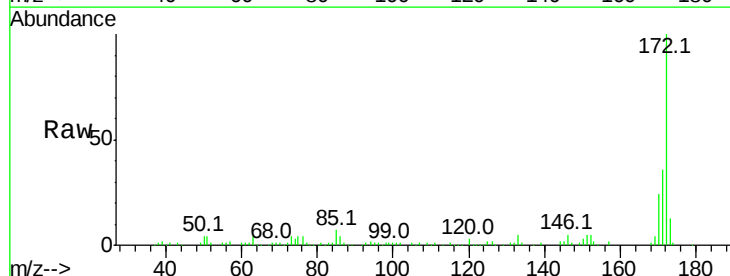
Instrument :
 BNA_F
 ClientSampled :
 B8-2-4

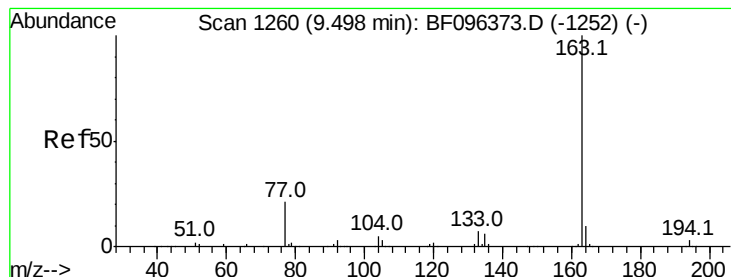
Tot Ion:330 Resp: 17782
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 44.0 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 17.36 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF096517.D
 Acq: 6 Jul 2017 7:28

Tgt Ion:172 Resp: 122581
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.9 19.8 29.8





#49

Dimethylphthalate

Concen: 5.09 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

B8-2-4

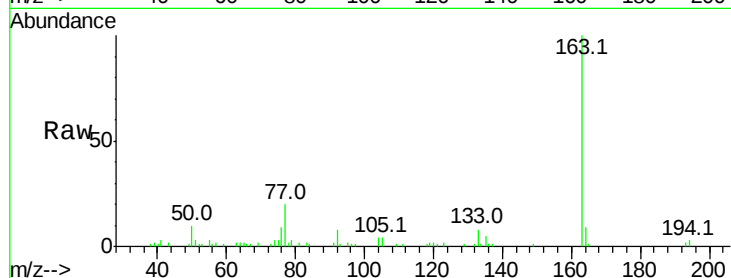
Tot Ion:163 Resp: 45845

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

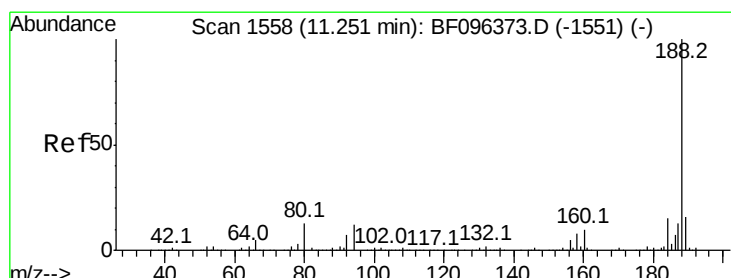
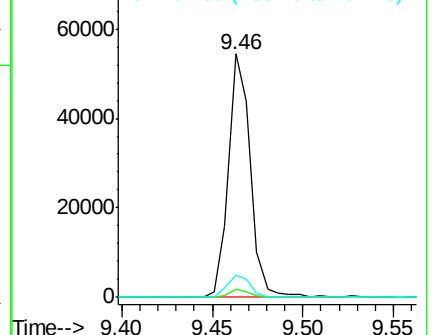
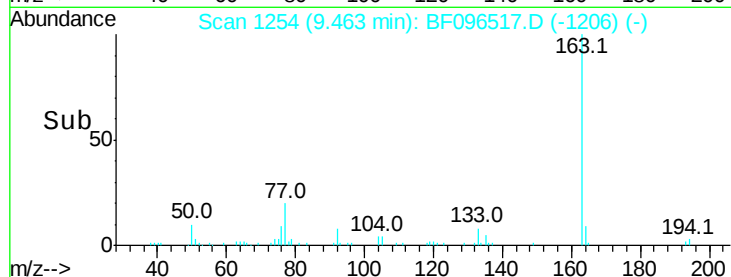
164 9.3 8.4 12.6



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: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

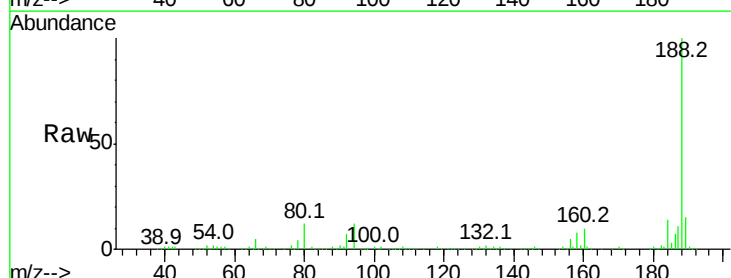
Tgt Ion:188 Resp: 218255

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

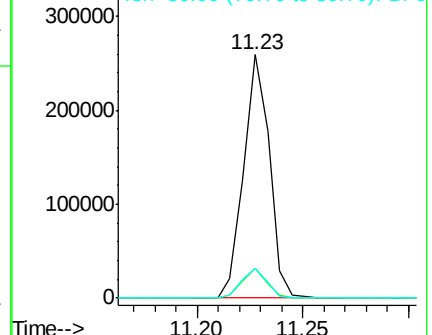
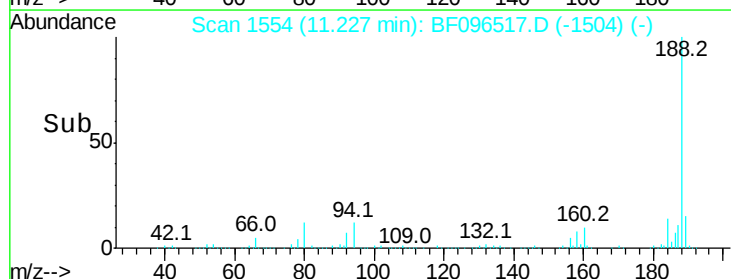
80 12.3 10.2 15.2

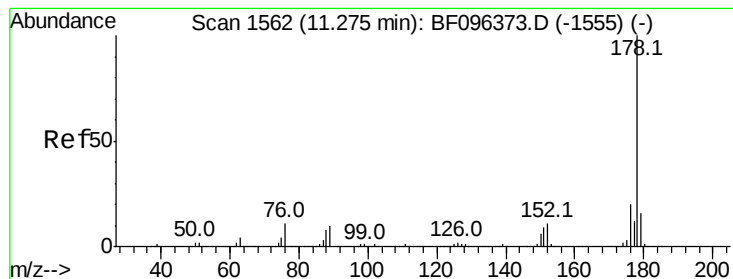


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.29 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

B8-2-4

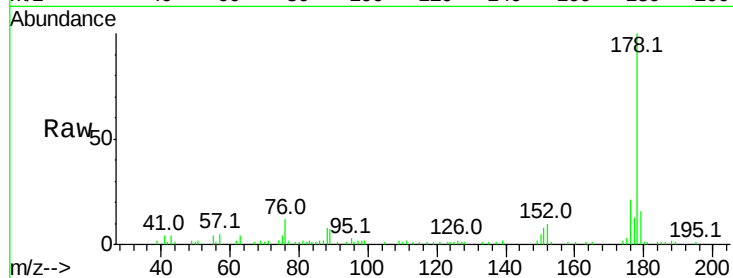
Tot Ion:178 Resp: 38794

Ion Ratio Lower Upper

178 100

176 20.6 16.2 24.4

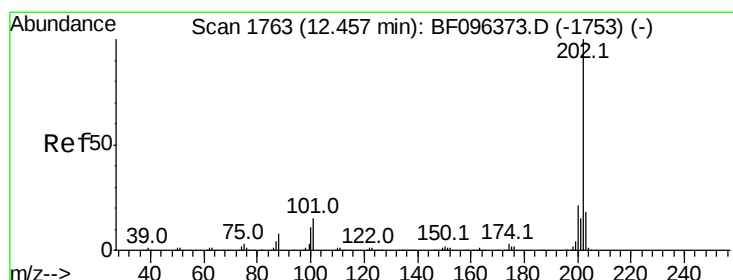
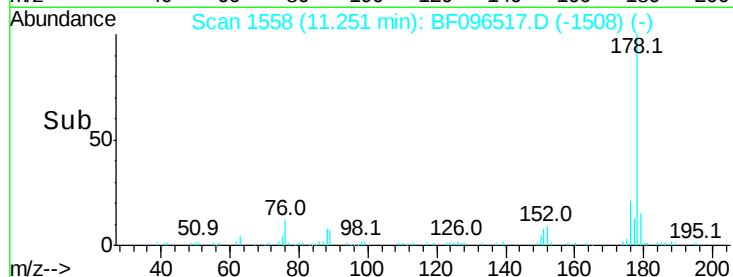
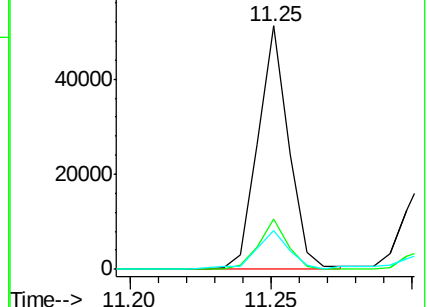
179 15.8 12.6 19.0



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: 5.40 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

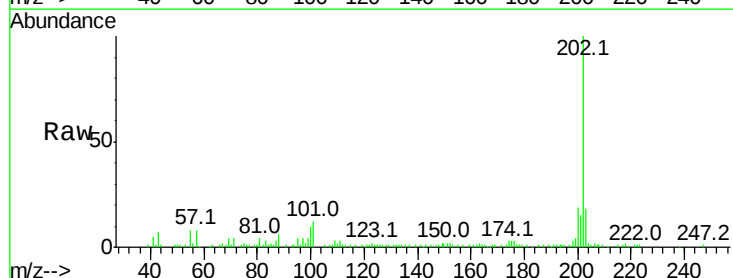
Tgt Ion:202 Resp: 62501

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

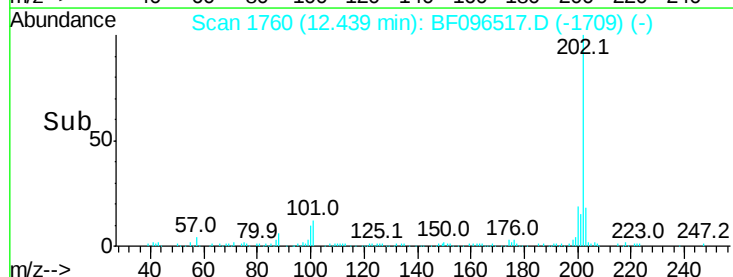
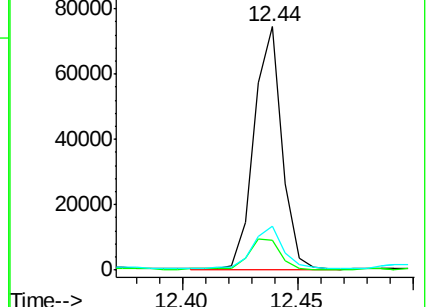
203 18.3 0.0 38.1

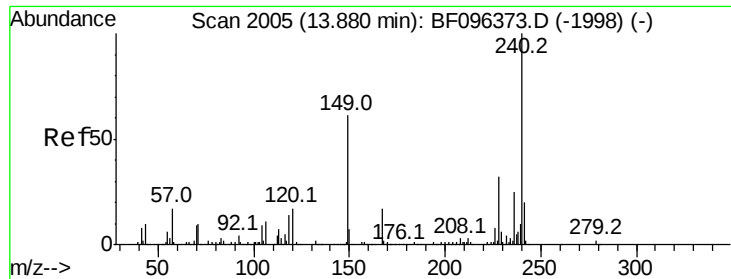


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

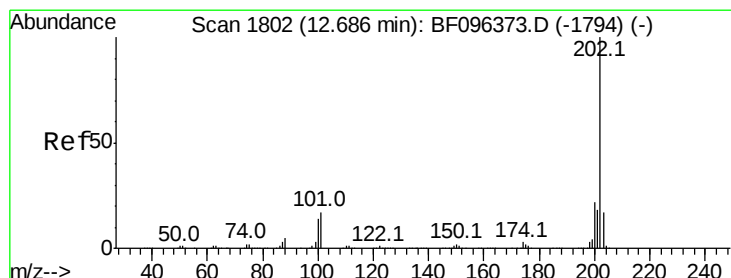
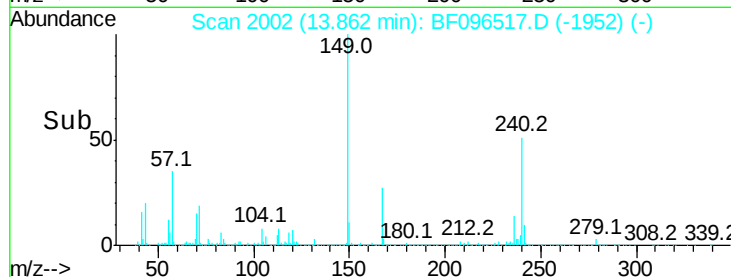
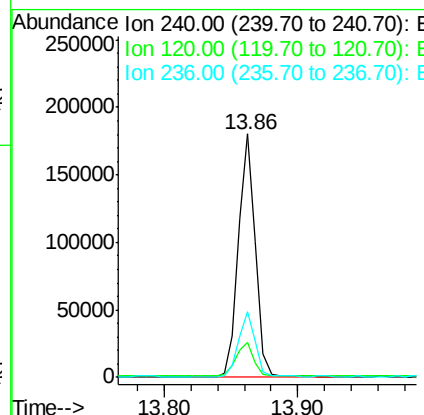
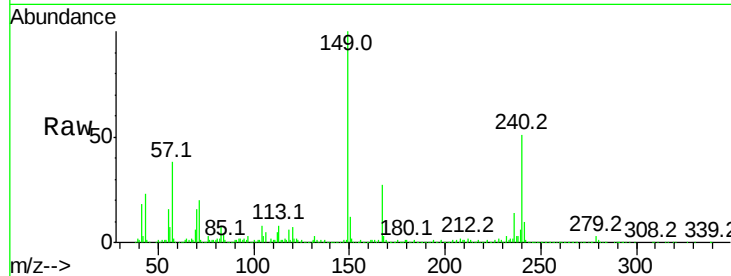




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF096517.D
 Acq: 6 Jul 2017 7:28

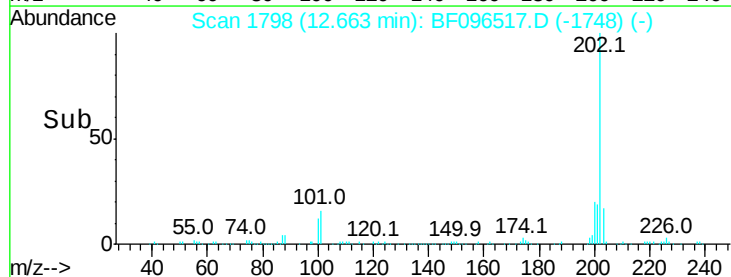
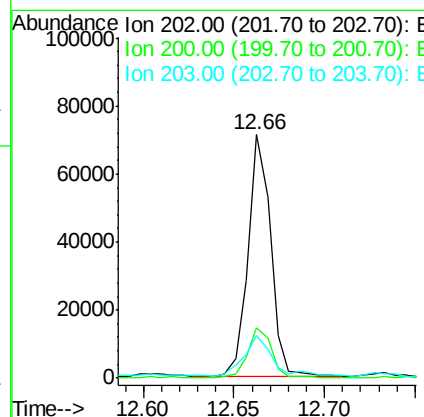
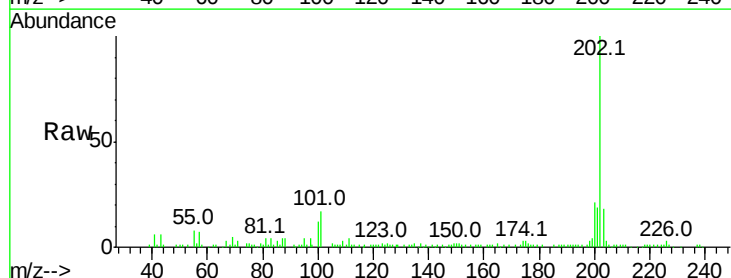
Instrument :
 BNA_F
 ClientSampled :
 B8-2-4

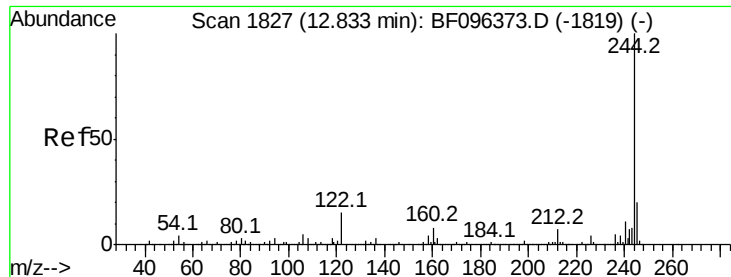
Tot Ion:240 Resp: 161091
 Ion Ratio Lower Upper
 240 100
 120 14.4 5.8 8.8#
 236 27.0 20.5 30.7



#77
 Pyrene
 Concen: 4.80 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BF096517.D
 Acq: 6 Jul 2017 7:28

Tgt Ion:202 Resp: 62085
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.6 26.4
 203 17.8 14.4 21.6





#78

Terphenyl-d14

Concen: 14.41 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

B8-2-4

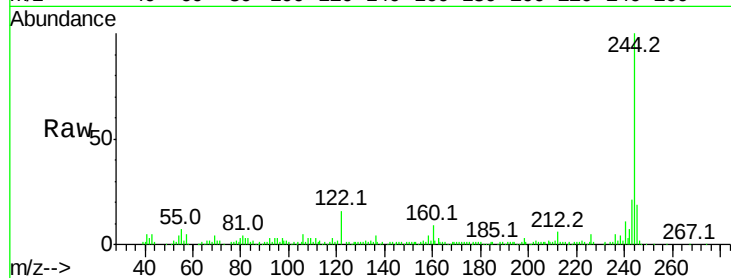
Tot Ion:244 Resp: 108646

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

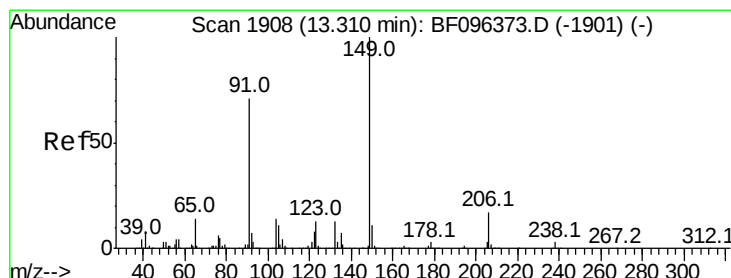
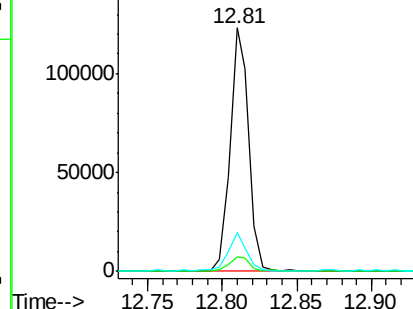
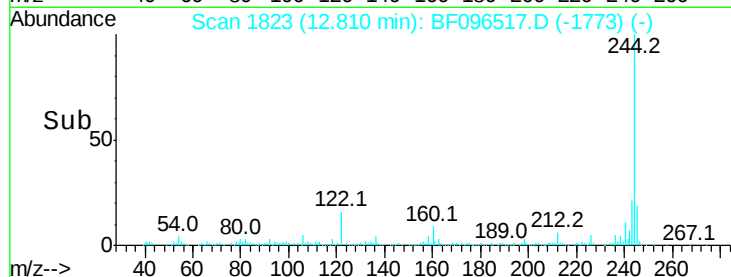
122 16.1 10.3 15.5#



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: 60.99 ng

RT: 13.30 min Scan# 1906

Delta R.T. 0.01 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

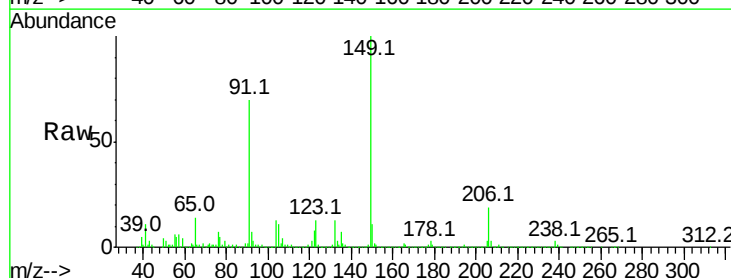
Tgt Ion:149 Resp: 399221

Ion Ratio Lower Upper

149 100

91 69.9 45.0 67.4#

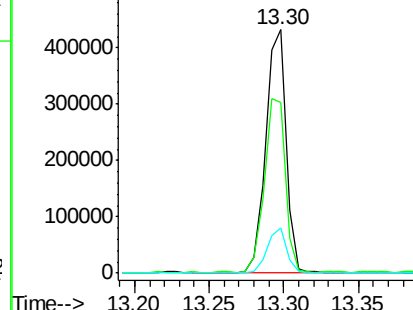
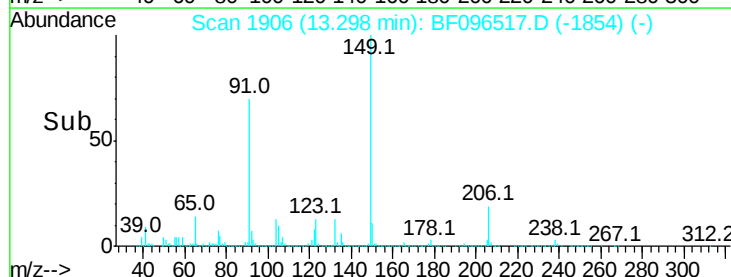
206 18.6 17.0 25.6

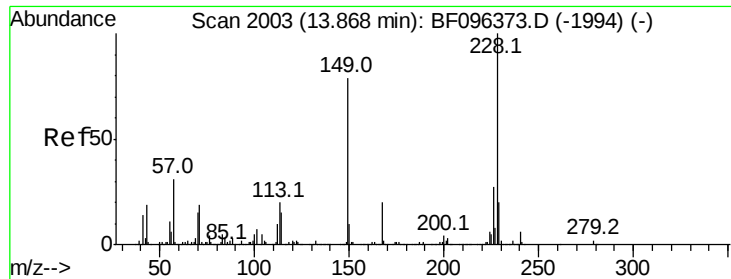


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

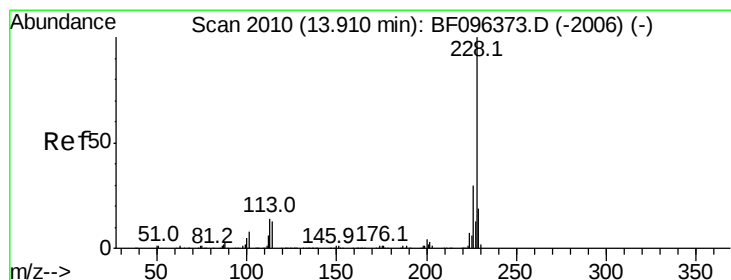
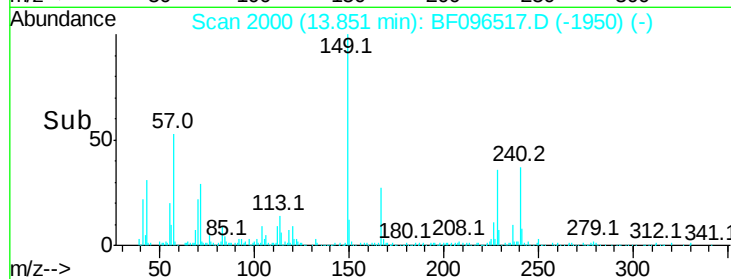
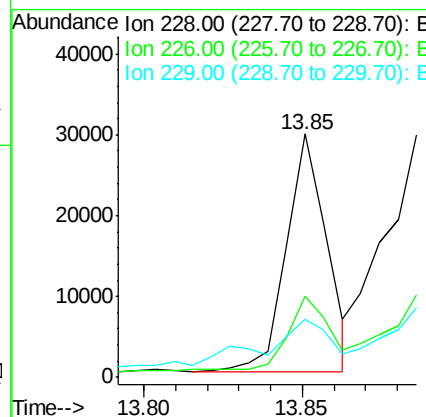
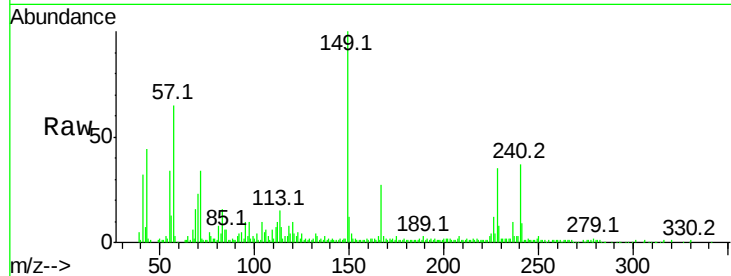




#80
Benzo(a)anthracene
Concen: 2.80 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

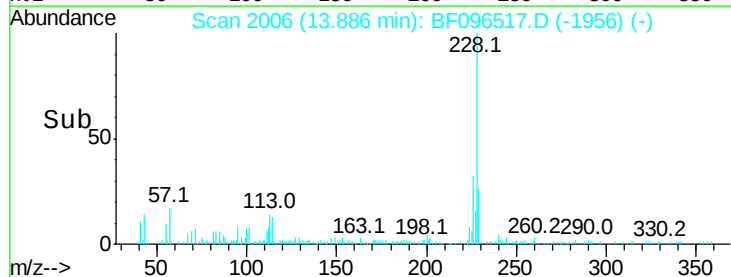
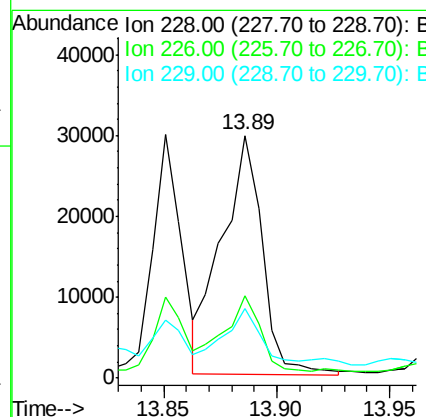
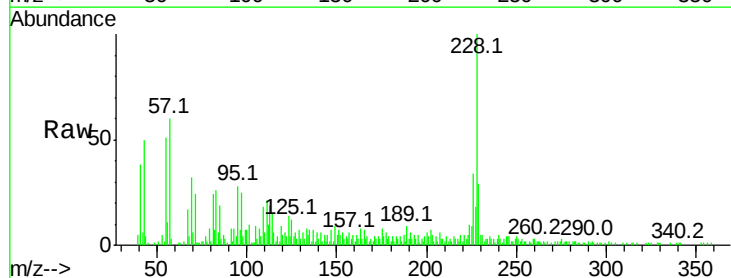
Instrument :
BNA_F
ClientSampleId :
B8-2-4

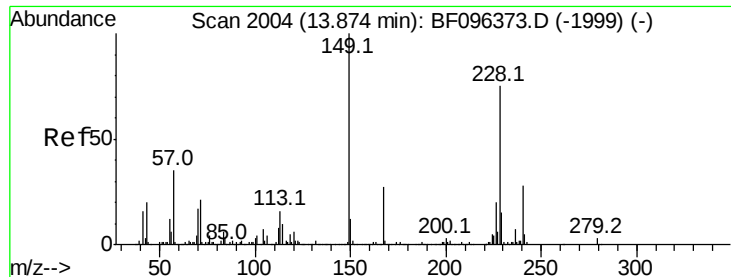
Tot Ion:228 Resp: 26097
Ion Ratio Lower Upper
228 100
226 33.2 22.6 33.8
229 23.6 16.3 24.5



#82
Chrysene
Concen: 3.80 ng m
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

Tgt Ion:228 Resp: 37113
Ion Ratio Lower Upper
228 100
226 33.8 24.9 37.3
229 28.7 15.8 23.6#

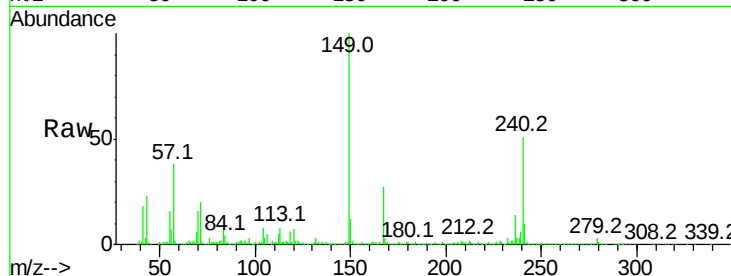




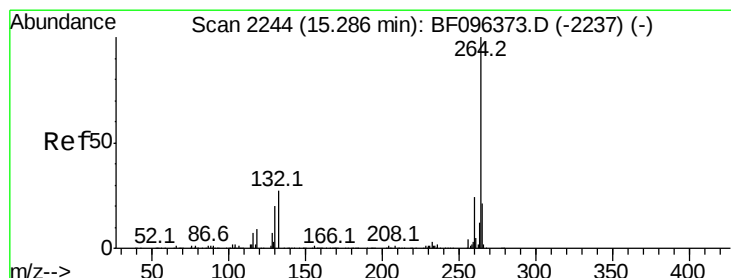
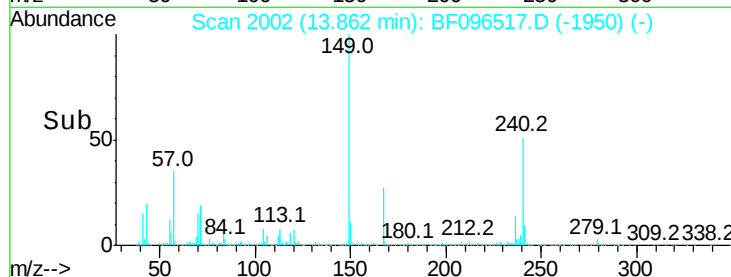
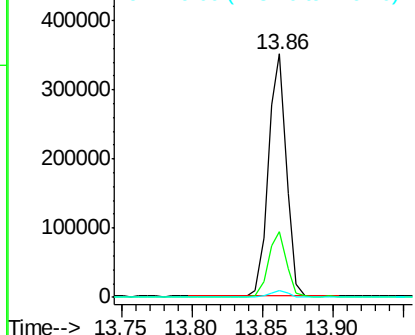
#83
Bis(2-ethylhexyl)phthalate
Concen: 42.93 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

Instrument :
BNA_F
ClientSampleId :
B8-2-4

Tot Ion:149 Resp: 313678
Ion Ratio Lower Upper
149 100
167 26.8 21.0 31.4
279 3.0 1.9 2.9#

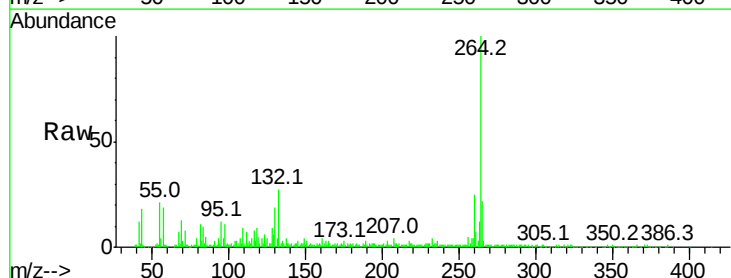


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

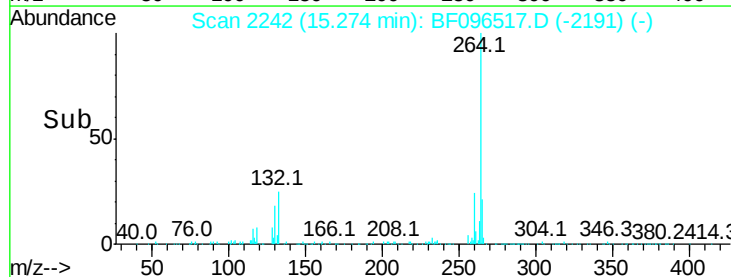
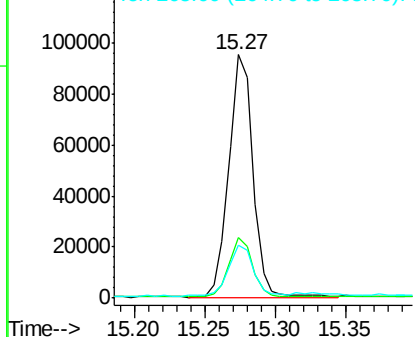


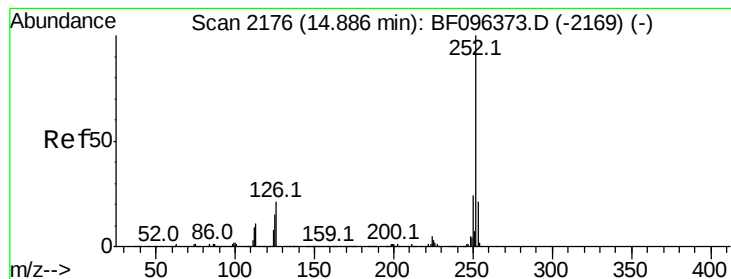
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

Tgt Ion:264 Resp: 113614
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 21.6 17.2 25.8



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: 5.45 ng m

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

B8-2-4

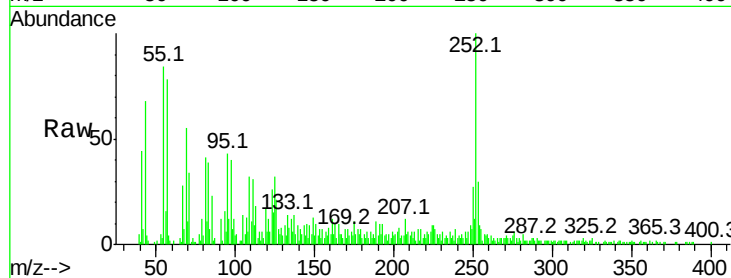
Tot Ion:252 Resp: 38765

Ion Ratio Lower Upper

252 100

253 30.4 18.1 27.1#

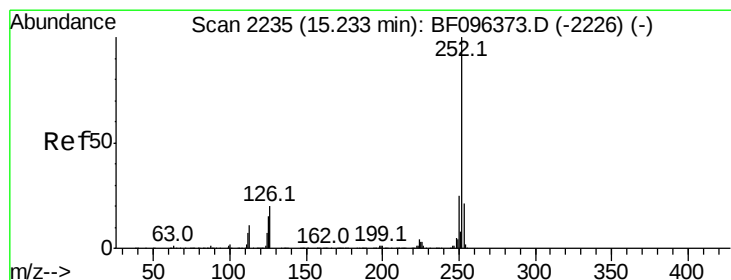
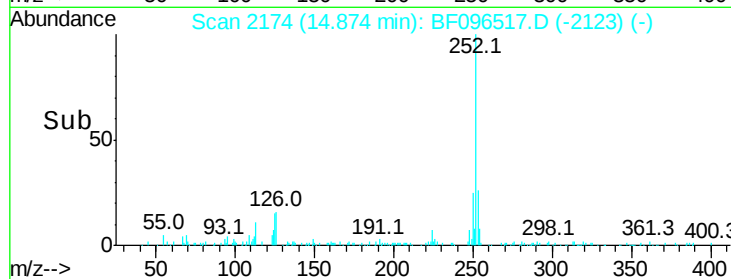
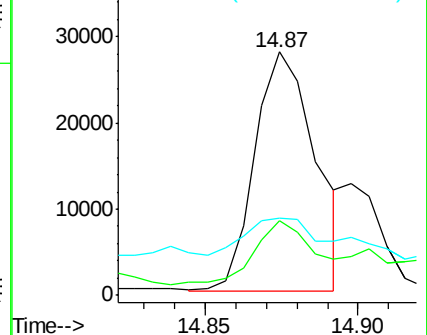
125 31.9 9.8 14.8#



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: 2.55 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

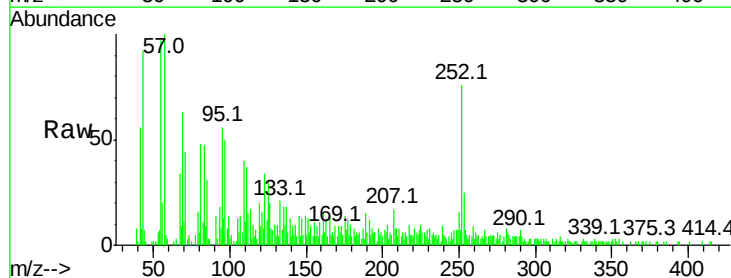
Tgt Ion:252 Resp: 16238

Ion Ratio Lower Upper

252 100

253 33.2 17.5 26.3#

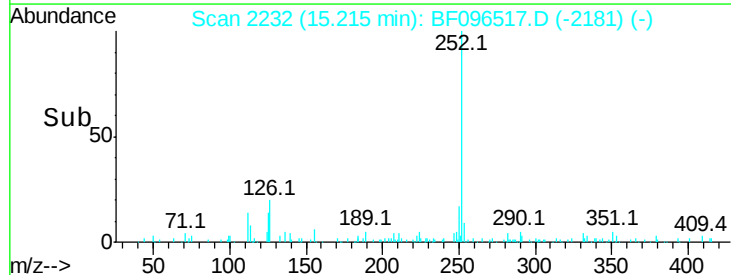
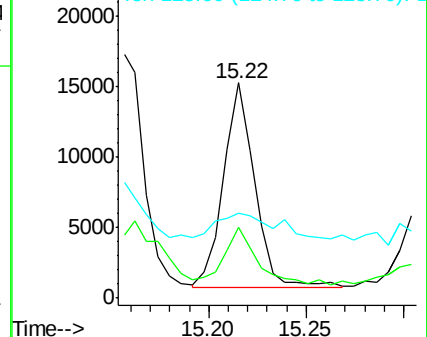
125 39.5 11.0 16.4#

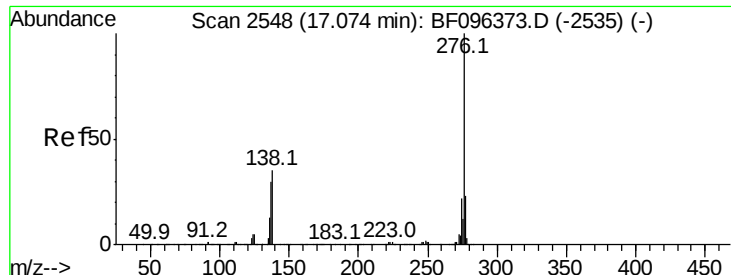


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.18 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.00 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

B8-2-4

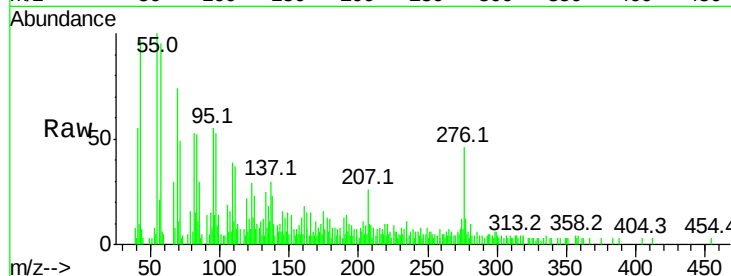
Tot Ion: 276 Resp: 11276

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 48.9 25.4 38.0



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

