

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 :

Quant Time: Jul 06 08:48:52 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

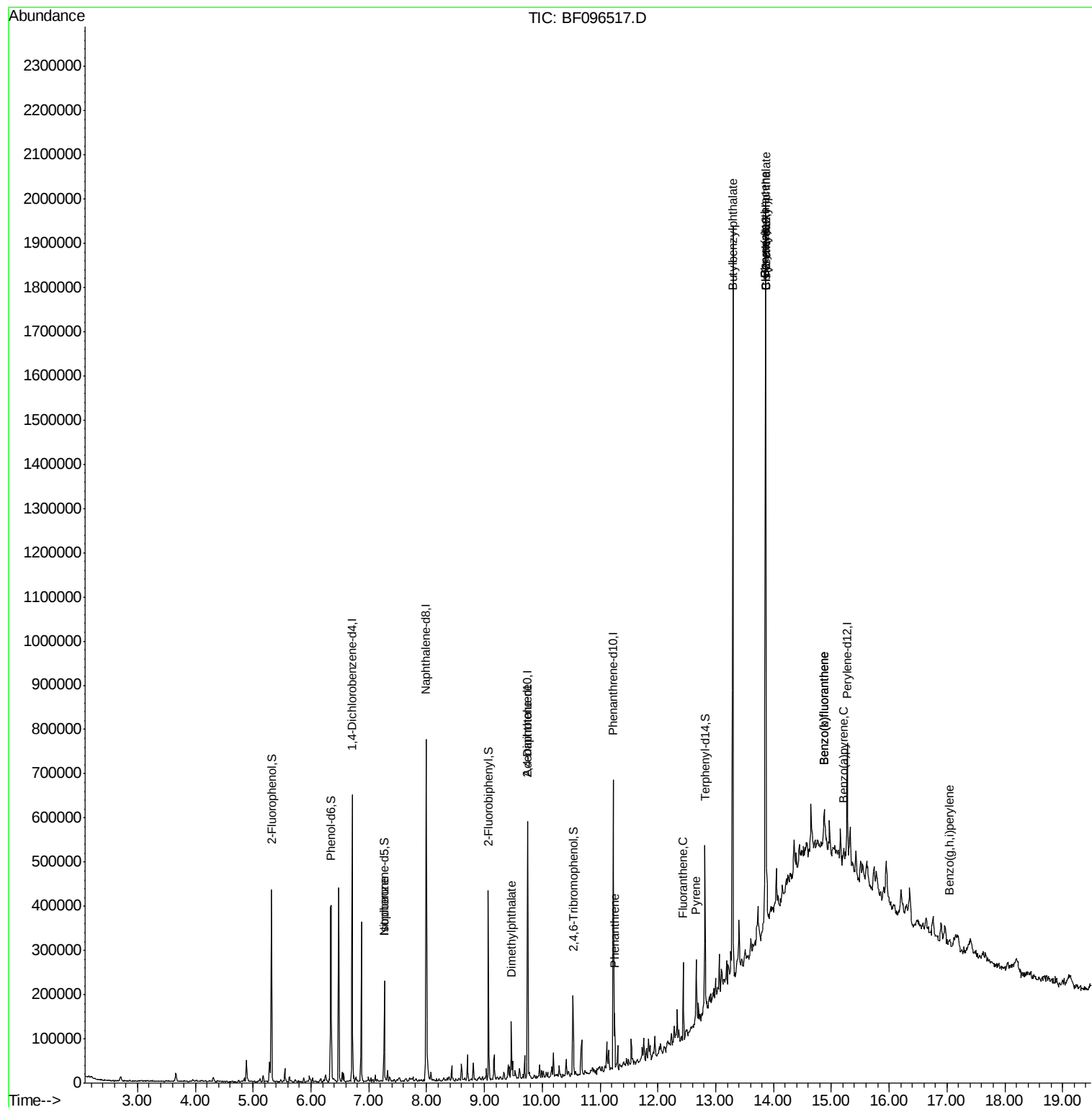
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	90724	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	330549	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	120759	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	218255	20.00	ng	0.00
75) Chrysene-d12	13.86	240	161091	20.00	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						
25) Isophorone	7.27	82	64915	6.09	ng	# 68
49) Dimethylphthalate	9.46	163	45845	5.09	ng	98
56) 2,4-Dinitrotoluene	9.75	165	16155	6.40	ng	# 32
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	13.85	228	26097	2.67	ng	94
83) Bis(2-ethylhexyl)phthalate	13.86	149	313678	42.93	ng	# 99
87) Benzo(b)fluoranthene	14.87	252	49532	6.96	ng	# 72
88) Benzo(k)fluoranthene	14.87	252	49532	7.78	ng	# 76
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

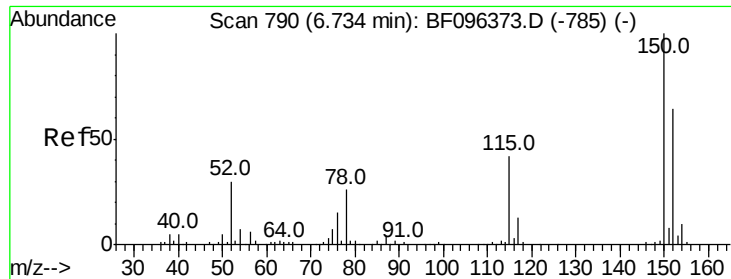
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampled :

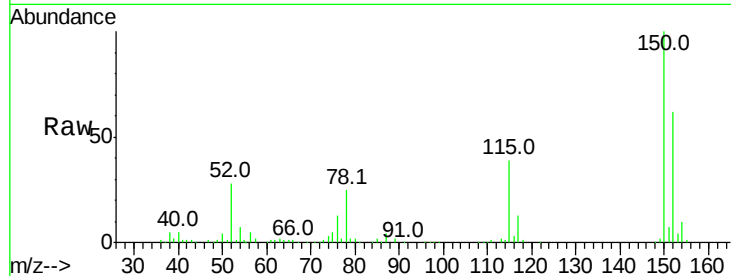
Tot Ion:152 Resp: 90724

Ion Ratio Lower Upper

152 100

150 162.5 126.2 189.2

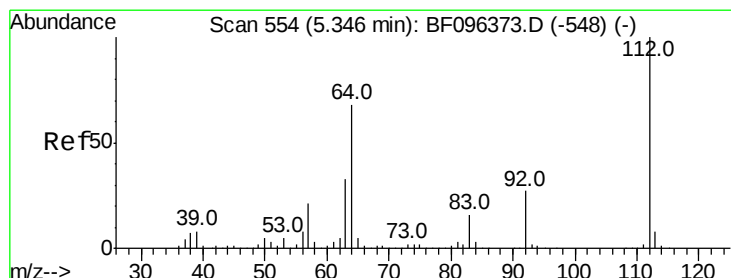
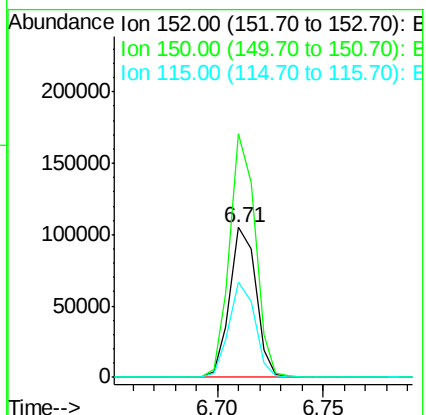
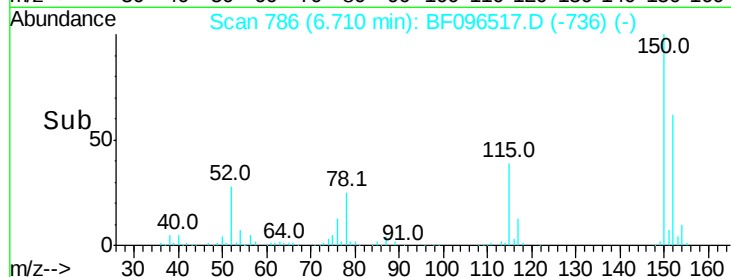
115 63.6 52.2 78.2



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

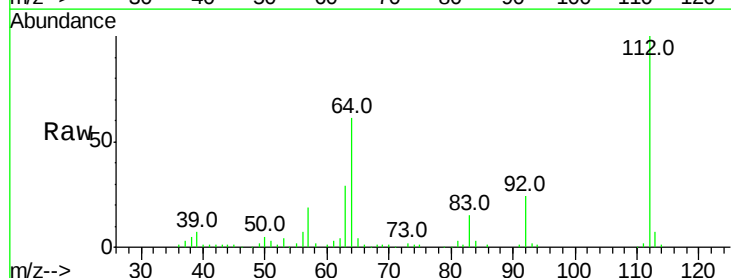
Tgt Ion:112 Resp: 115563

Ion Ratio Lower Upper

112 100

64 61.1 46.0 69.0

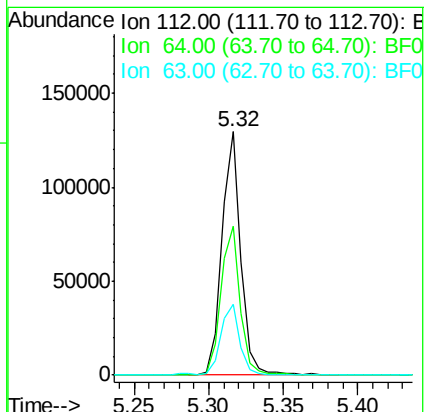
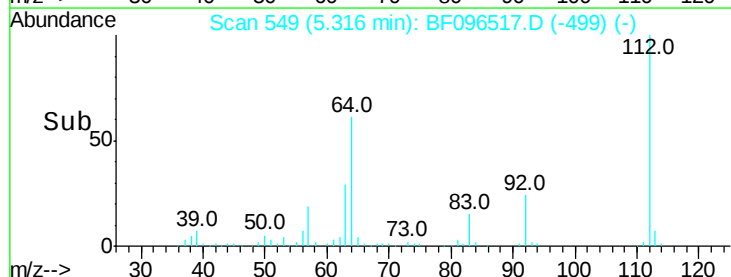
63 29.1 23.4 35.0

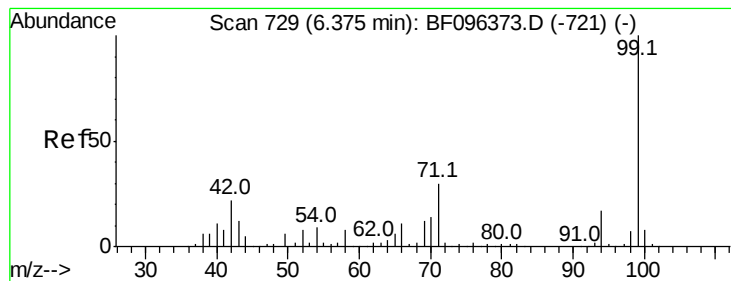


Abundance Ion 112.00 (111.70 to 112.70): E

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 :

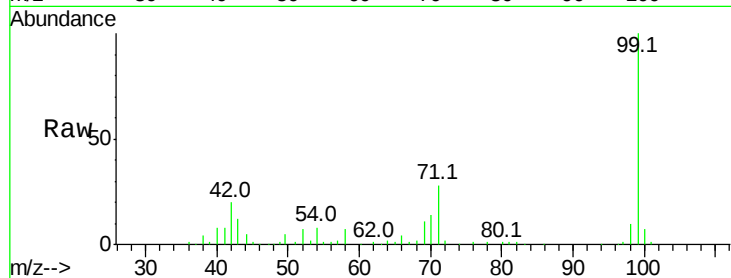
Tot Ion: 99 Resp: 133954

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

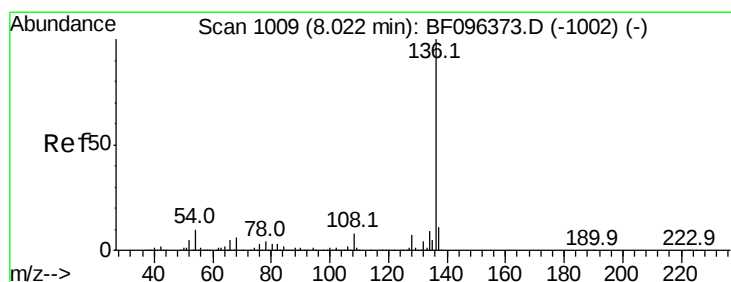
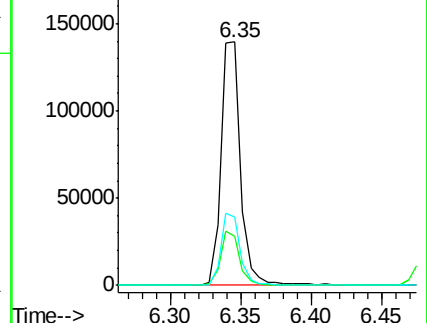
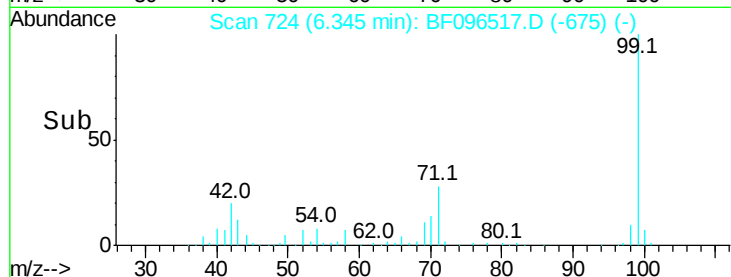
71 28.2 24.5 36.7



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

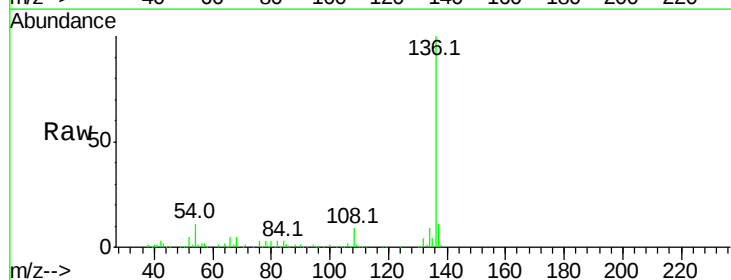
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 11.1 4.9 7.3#

68 5.4 4.1 6.1

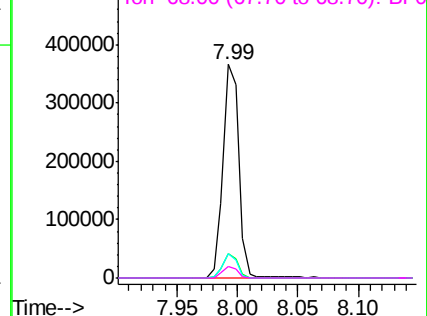
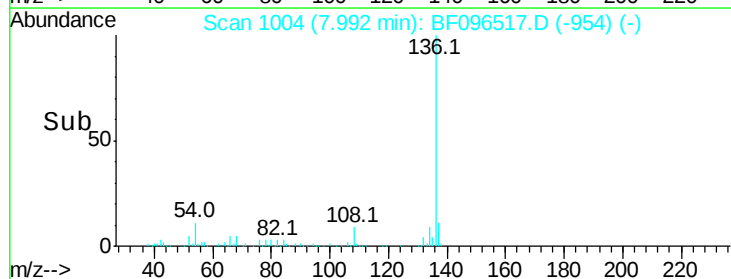


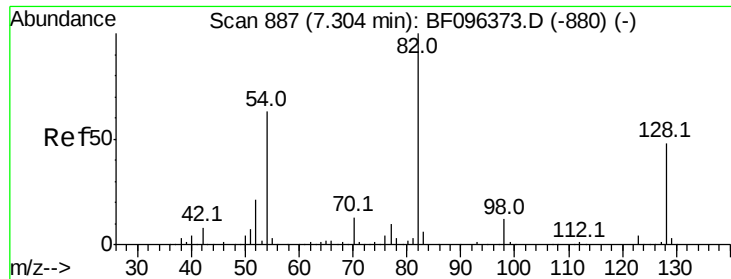
Abundance Ion 136.00 (135.70 to 136.70): E

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

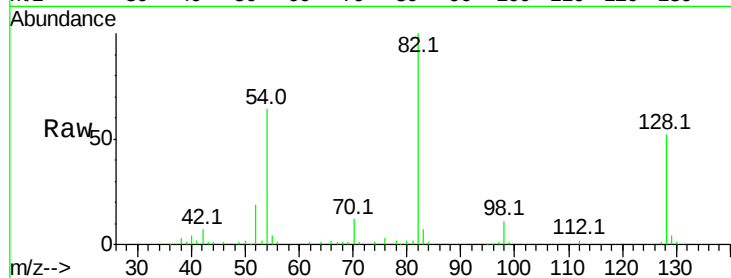




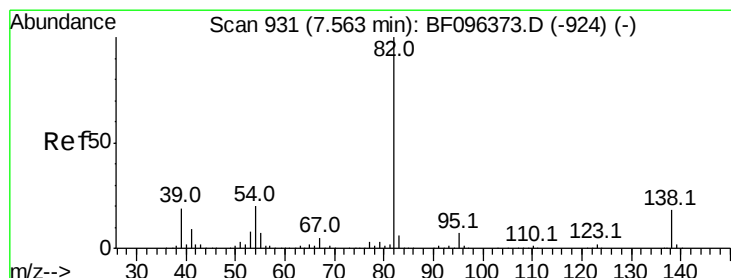
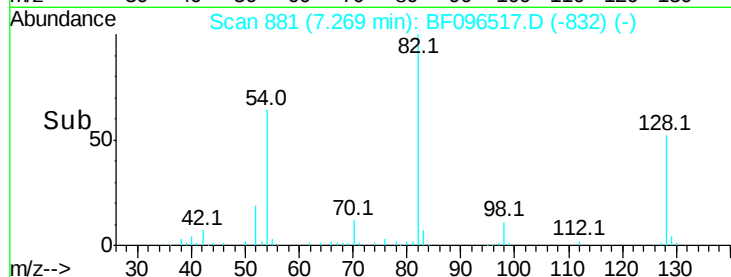
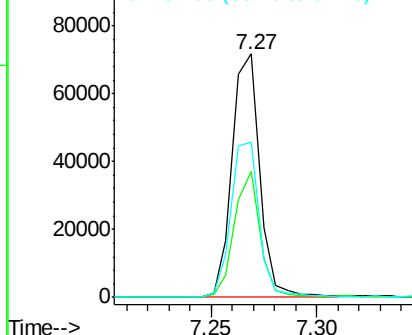
#23
Nitrobenzene-d5
Concen: 11.80 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

Instrument :
BNA_F
ClientSampleId :

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#

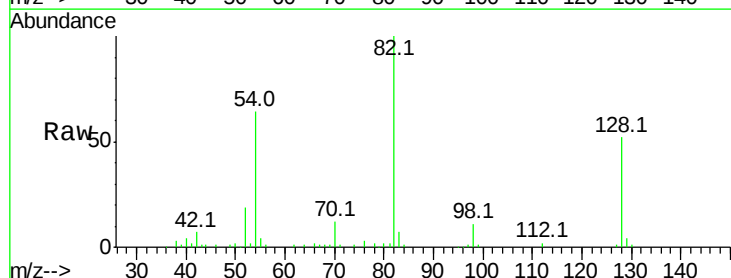


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

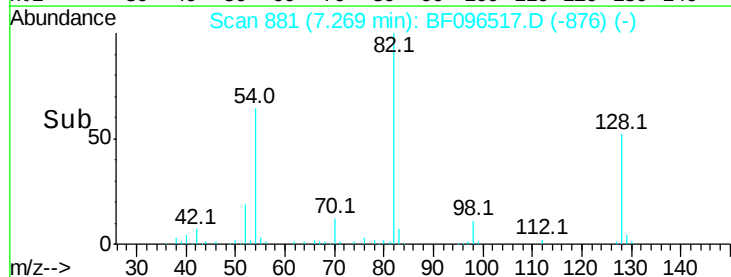
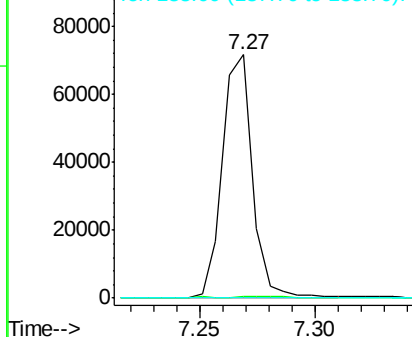


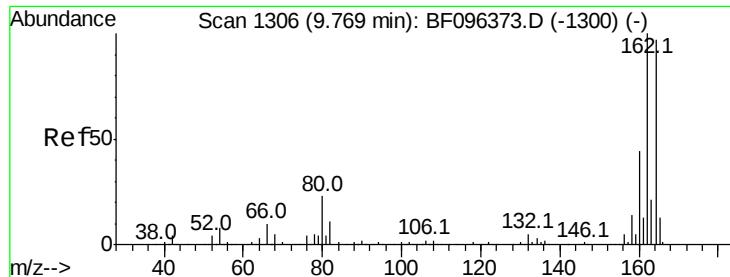
#25
Isophorone
Concen: 6.09 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.27 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

Tgt Ion: 82 Resp: 64915
Ion Ratio Lower Upper
82 100
95 0.5 5.3 7.9#
138 0.0 13.1 19.7#



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

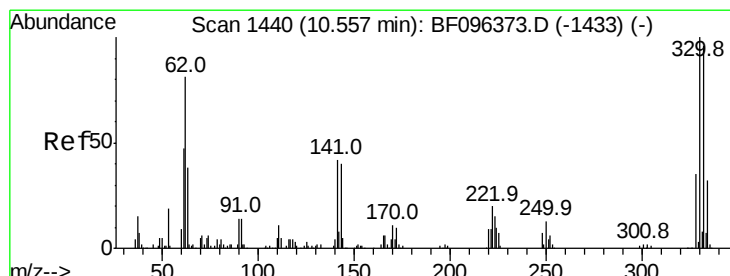
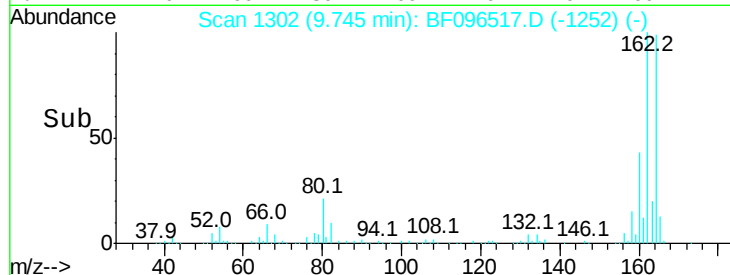
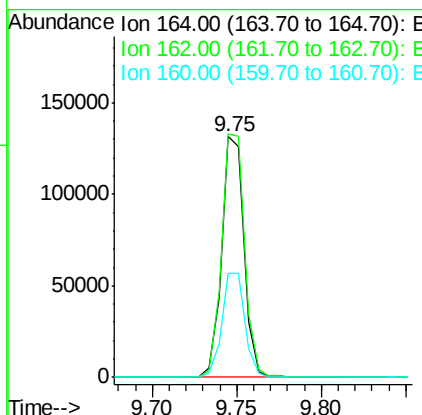
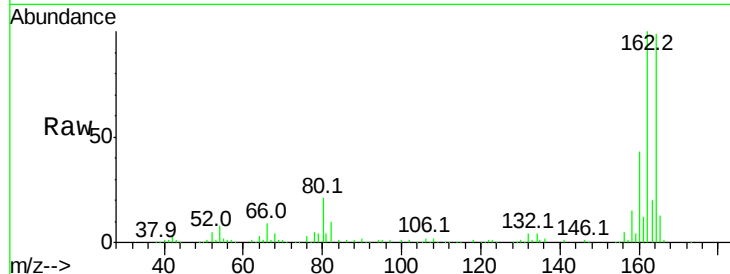




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

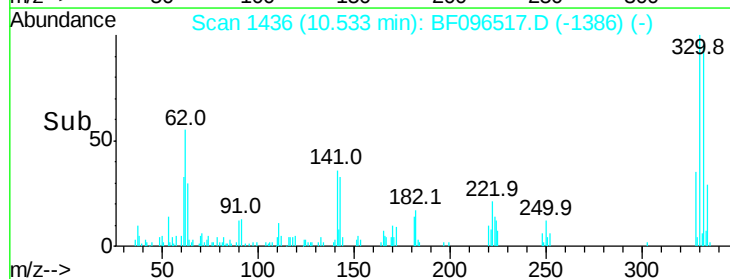
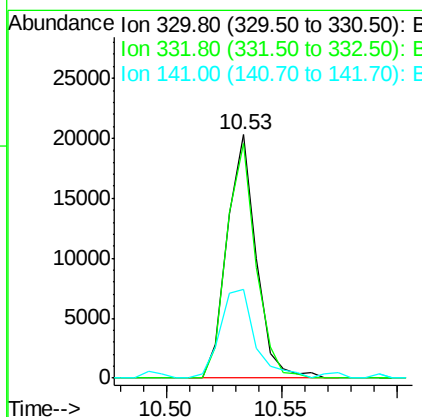
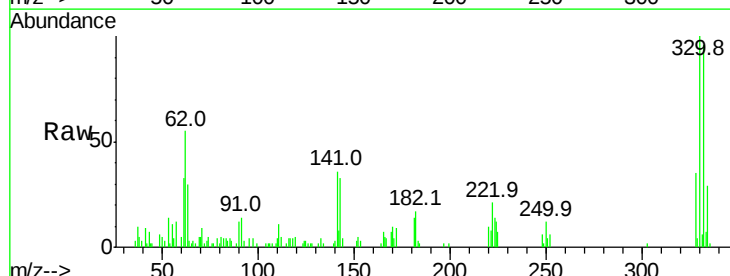
Instrument :
BNA_F
ClientSampleId :

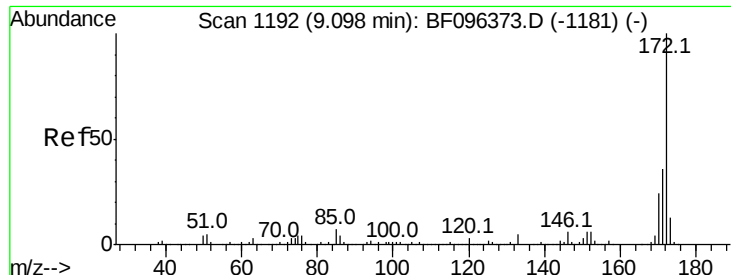
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	43.2	36.2	54.2



#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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	44.0	31.4	47.2

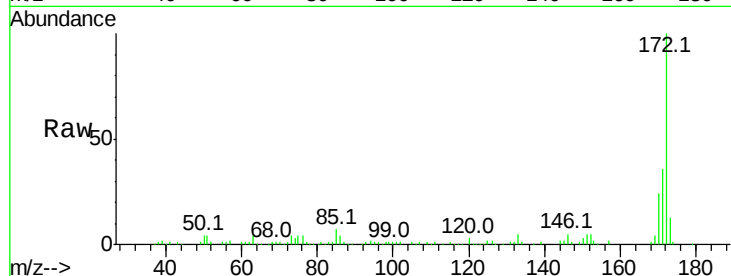




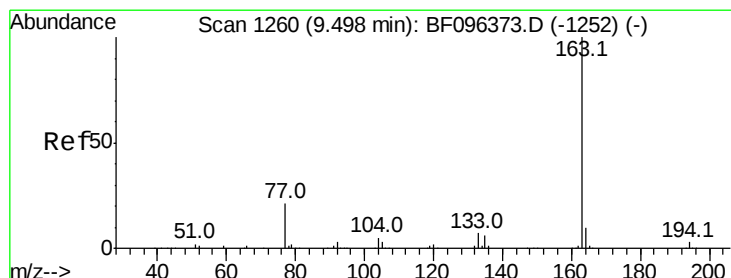
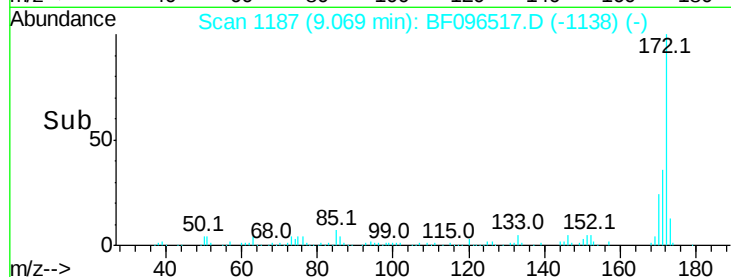
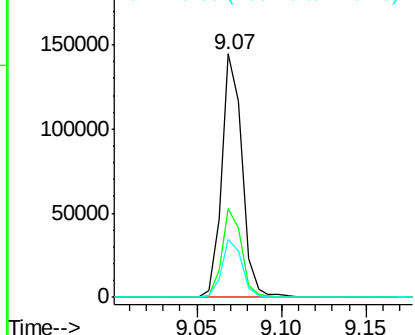
#44
 2-Fluorobiphenyl
 Concen: 17.36 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF096517.D
 Acq: 6 Jul 2017 7:28

Instrument :
 BNA_F
 ClientSampleId :

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

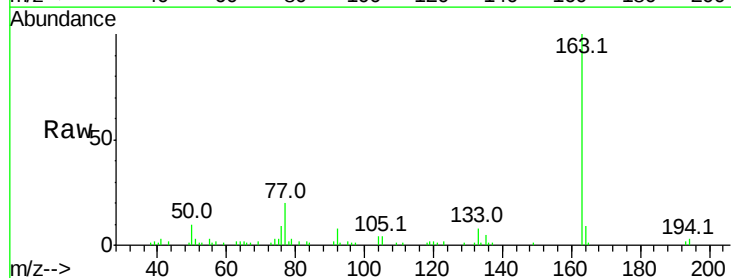


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

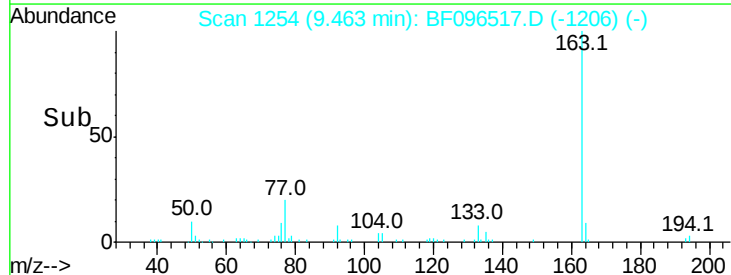
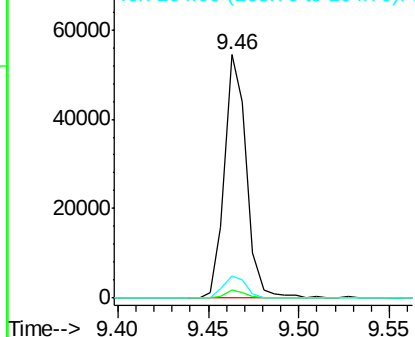


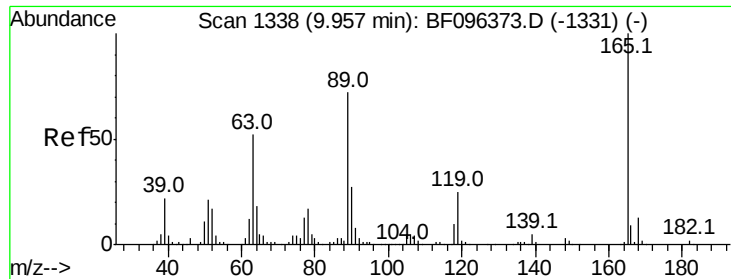
#49
 Dimethylphthalate
 Concen: 5.09 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: BF096517.D
 Acq: 6 Jul 2017 7:28

Tgt 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

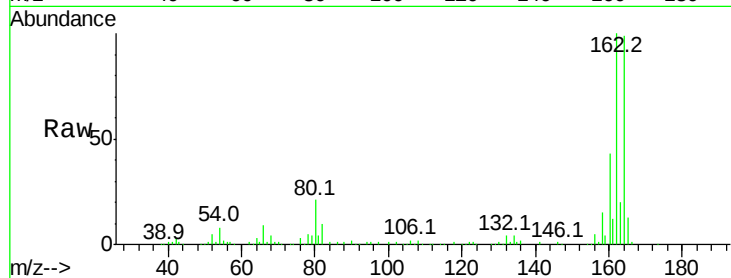




#56
2,4-Dinitrotoluene
Concen: 6.40 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.19 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:	165	Resp:	16155
Ion	Ratio	Lower	Upper
165	100		
63	2.3	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

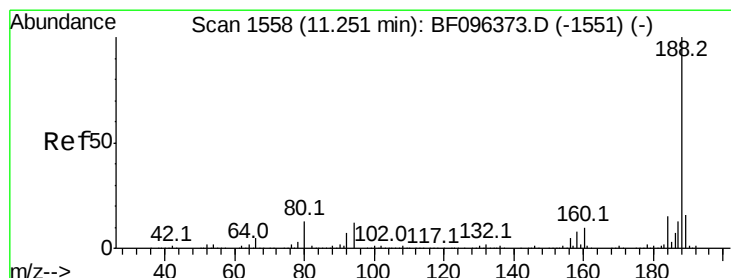
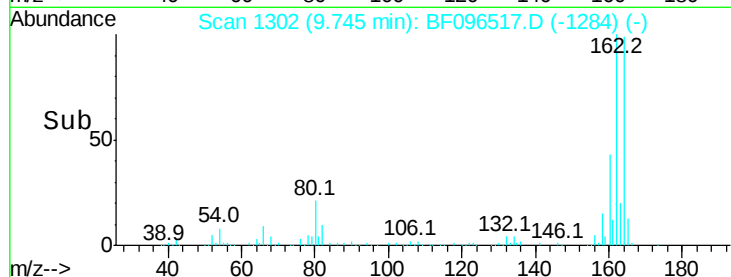
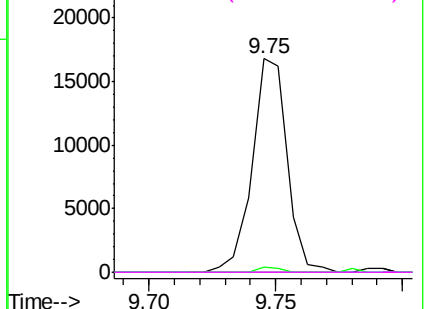


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

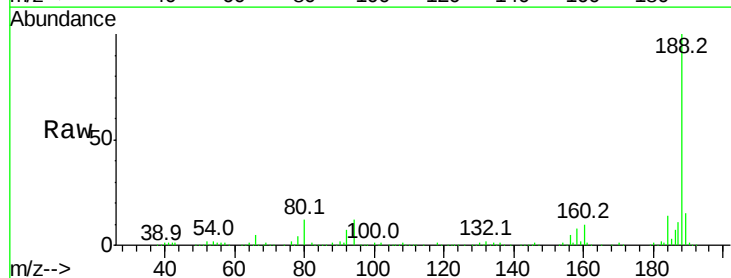
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

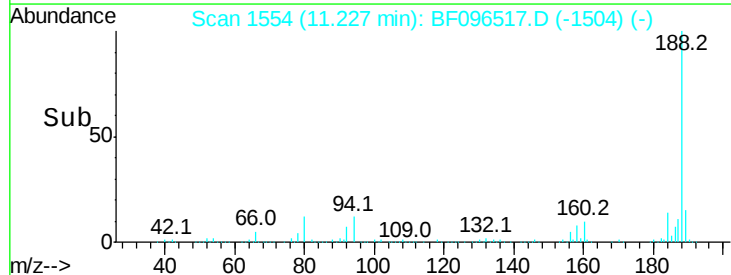
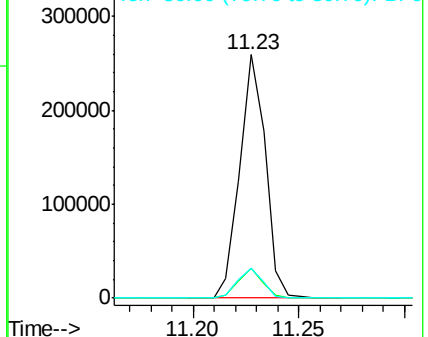
Tgt Ion:	188	Resp:	218255
Ion	Ratio	Lower	Upper
188	100		
94	12.2	9.4	14.2
80	12.3	10.2	15.2

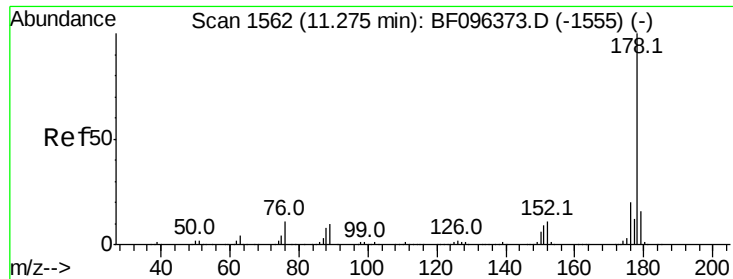


Abundance Ion 188.00 (187.70 to 188.70): E

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 :

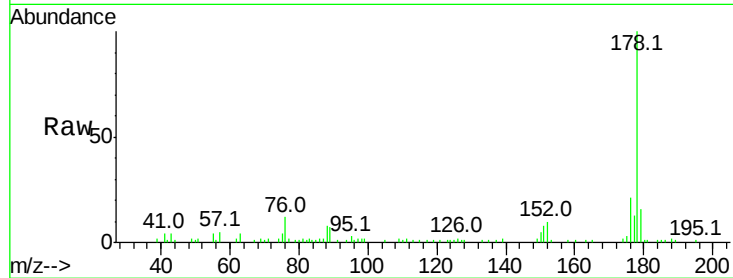
Tot Ion:178 Resp: 38794

Ion Ratio Lower Upper

178 100

176 20.6 16.2 24.4

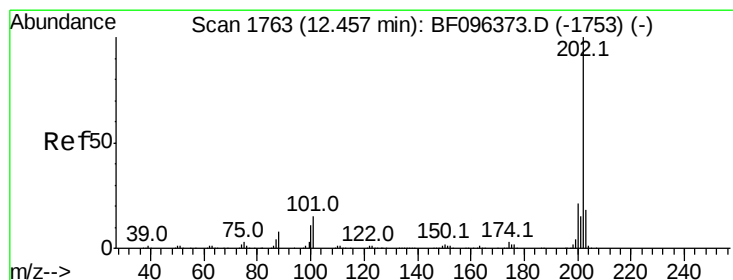
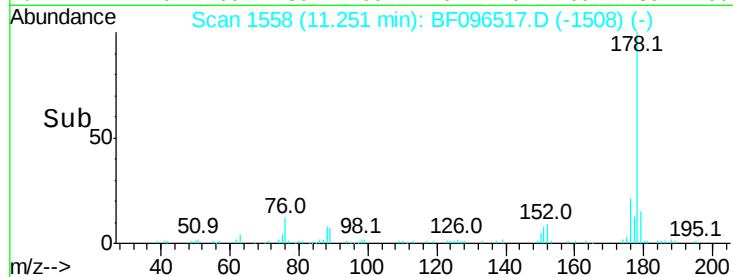
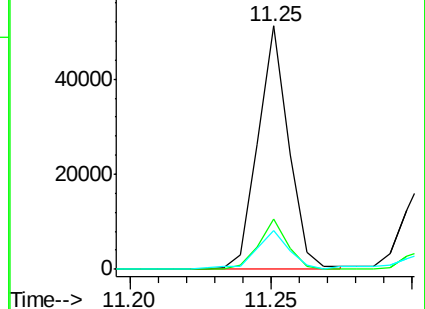
179 15.8 12.6 19.0



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

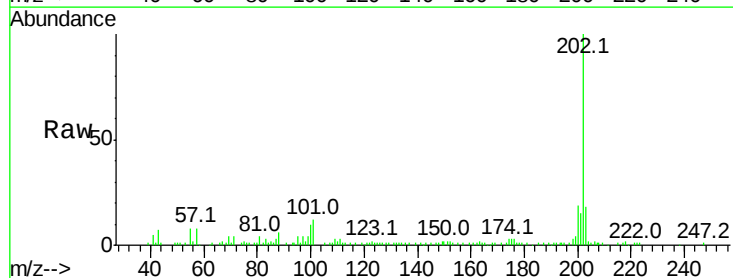
Tgt Ion:202 Resp: 62501

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

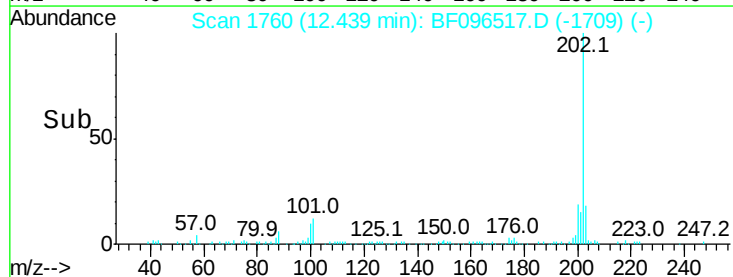
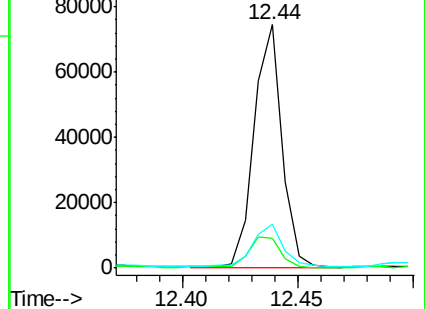
203 18.3 0.0 38.1

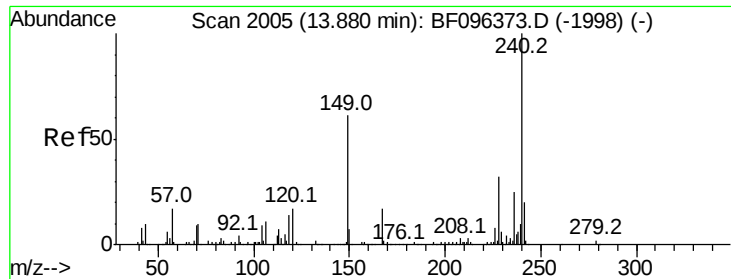


Abundance Ion 202.00 (201.70 to 202.70): E

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 :

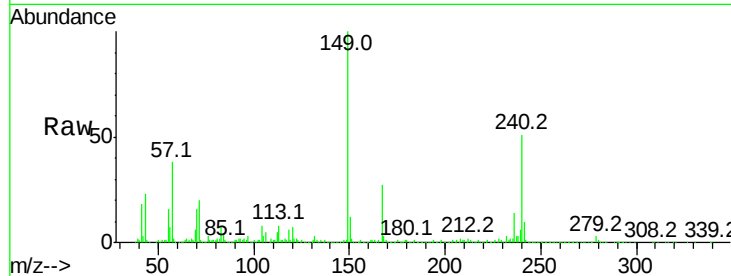
Tot Ion:240 Resp: 161091

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

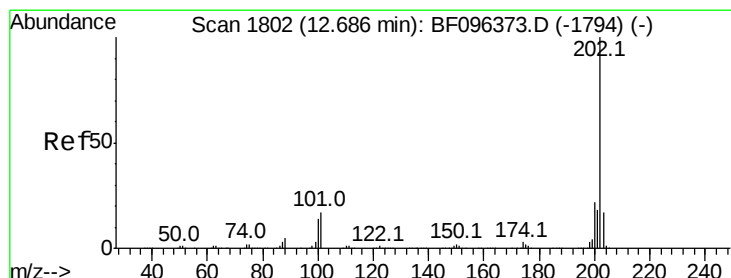
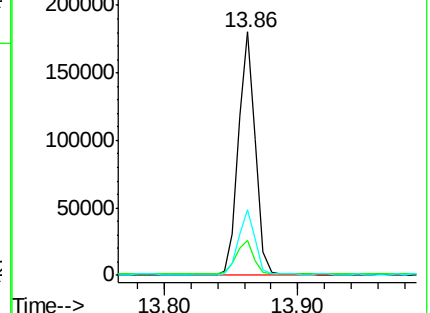
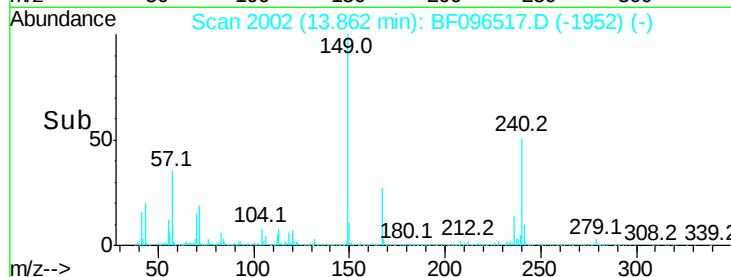
236 27.0 20.5 30.7



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: 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

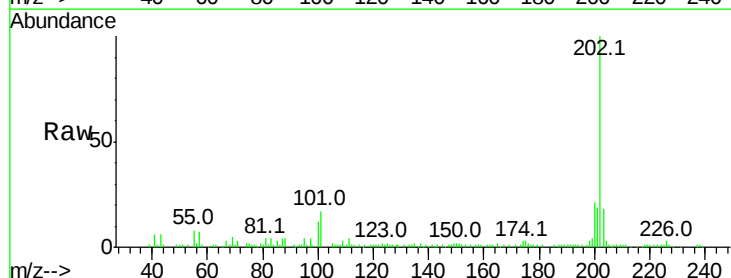
Tgt Ion:202 Resp: 62085

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

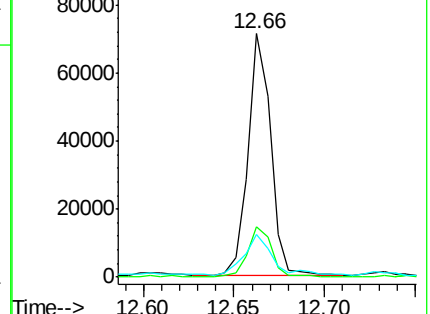
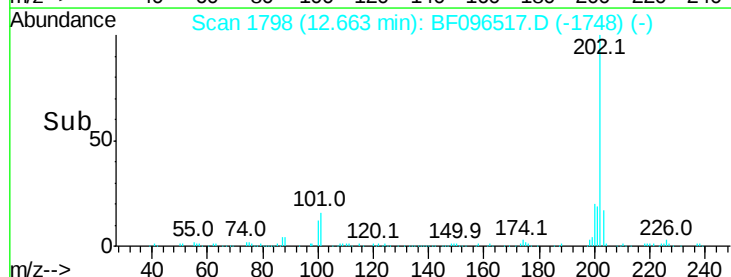
203 17.8 14.4 21.6

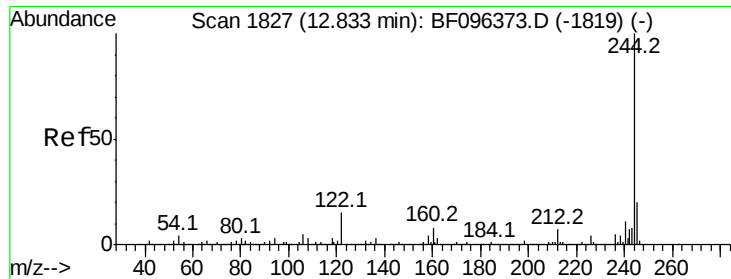


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 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 :

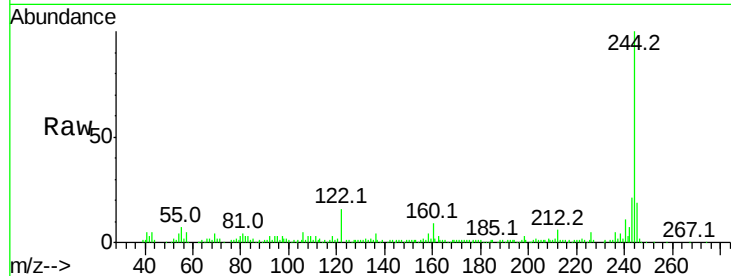
Tot Ion:244 Resp: 108646

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

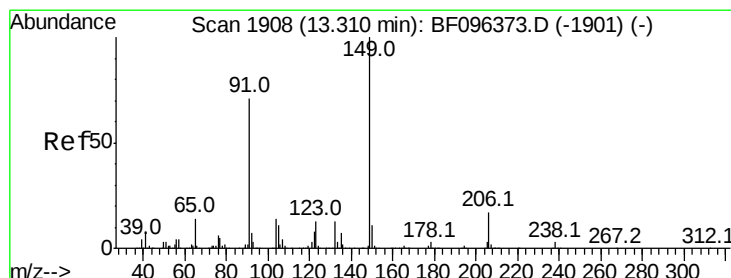
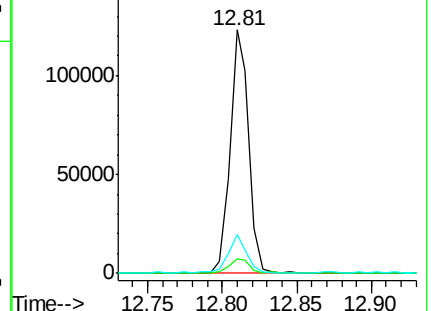
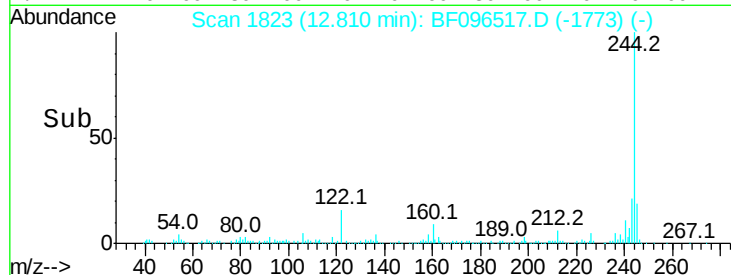
122 16.1 10.3 15.5#



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

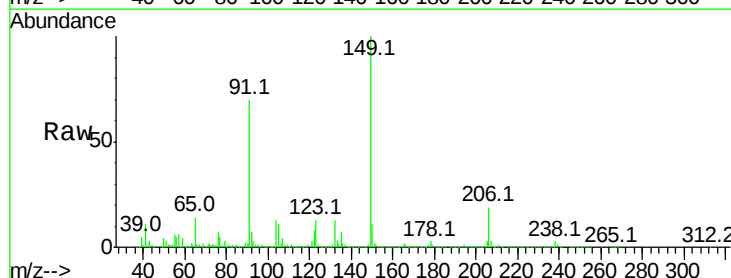
Tgt Ion:149 Resp: 399221

Ion Ratio Lower Upper

149 100

91 69.9 45.0 67.4#

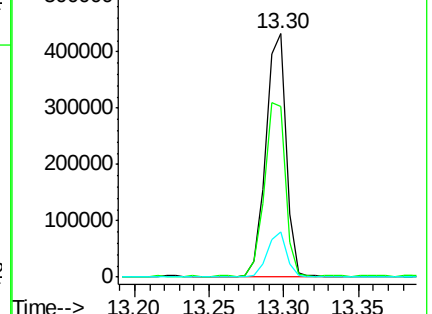
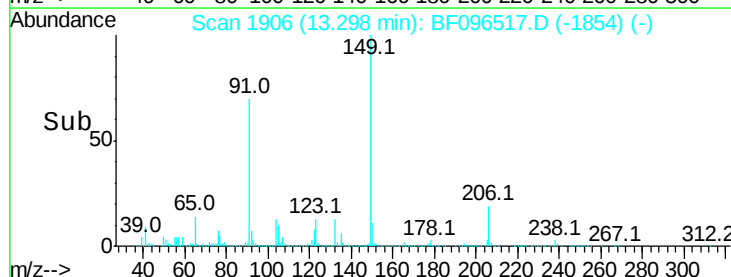
206 18.6 17.0 25.6

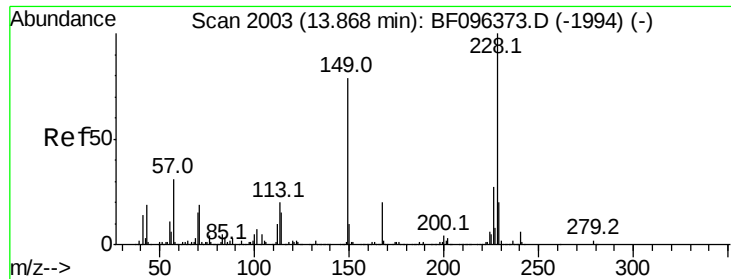


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

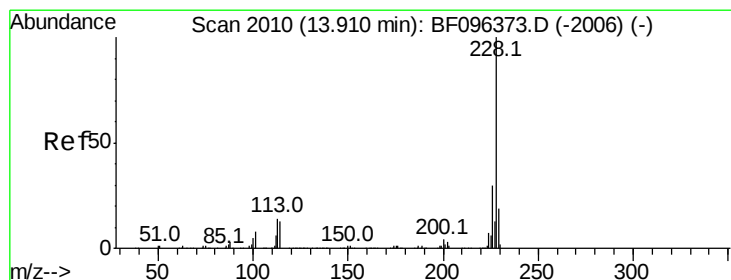
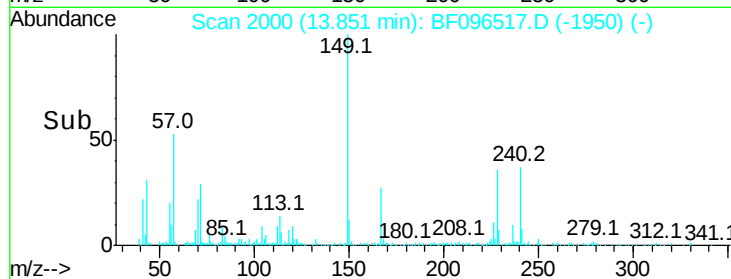
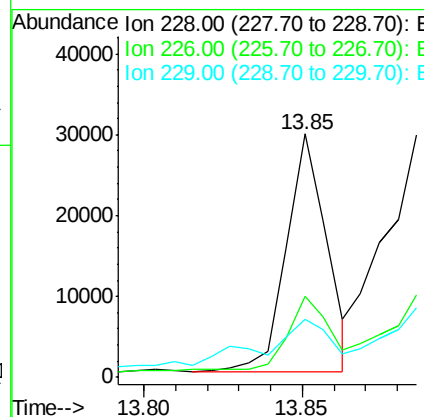
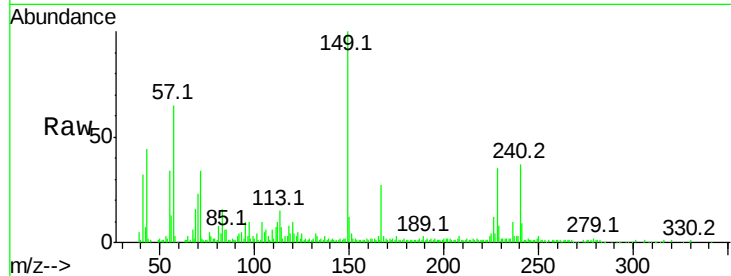




#80
Benzo(a)anthracene
Concen: 2.80 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

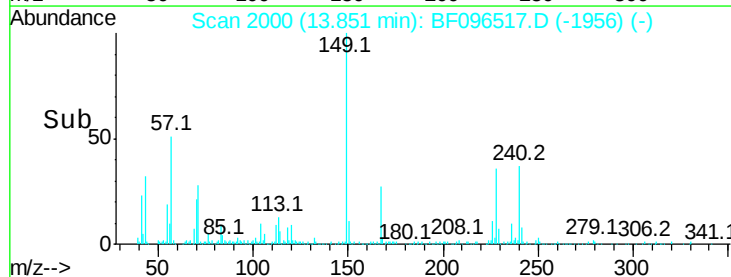
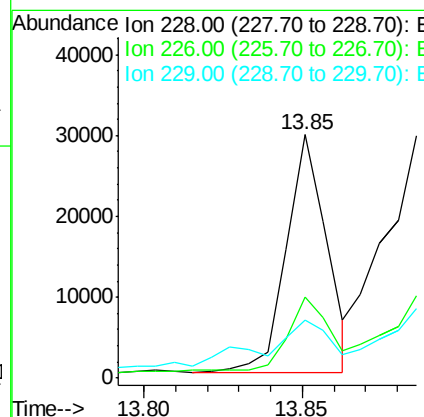
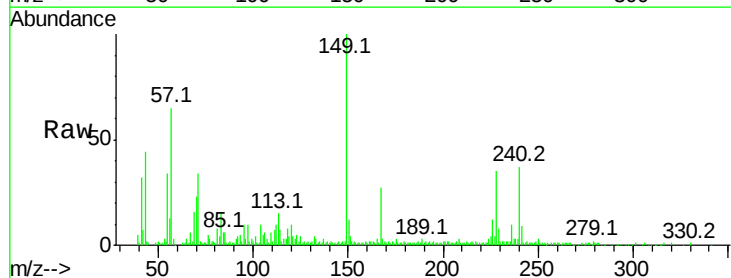
Instrument :
BNA_F
ClientSampleId :

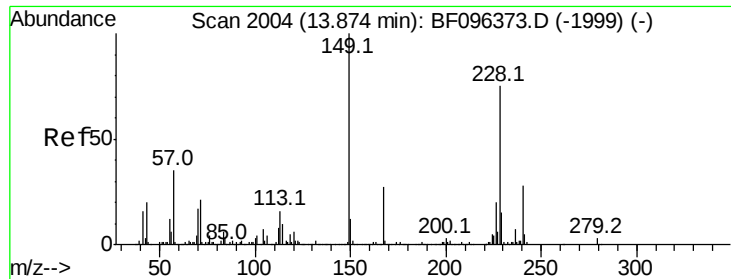
Tot Ion:228 Resp: 26097
Ion Ratio Lower Upper
228 100
226 33.2 22.6 33.8
229 23.6 16.3 24.5



#82
Chrysene
Concen: 2.67 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF096517.D
Acq: 6 Jul 2017 7:28

Tgt Ion:228 Resp: 26097
Ion Ratio Lower Upper
228 100
226 33.2 24.9 37.3
229 23.6 15.8 23.6

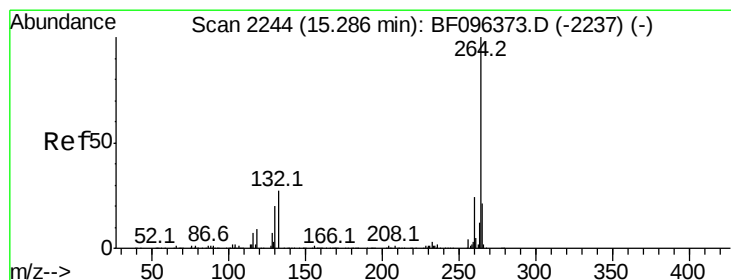
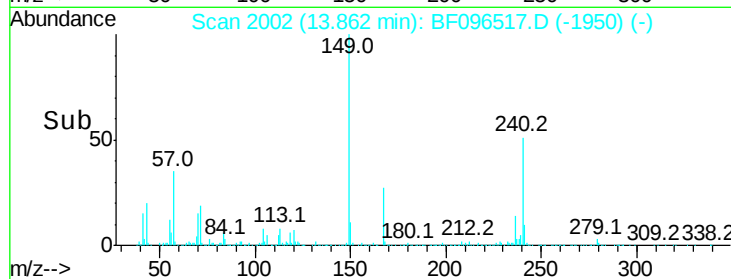
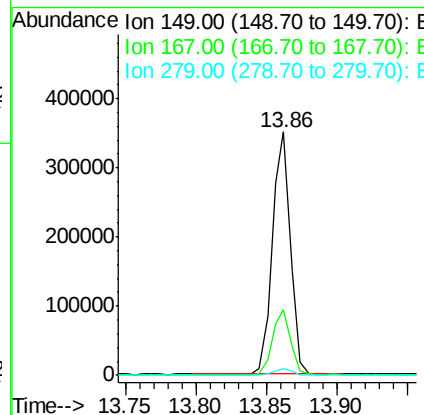
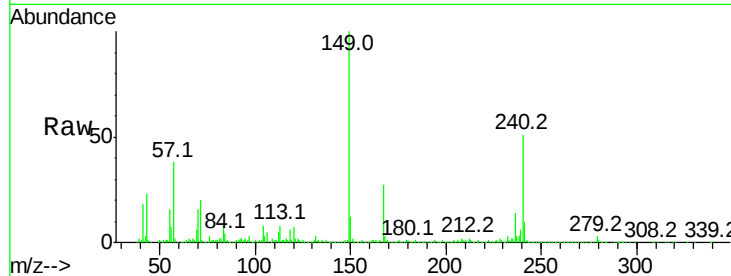




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 42.93 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF096517.D
 Acq: 6 Jul 2017 7:28

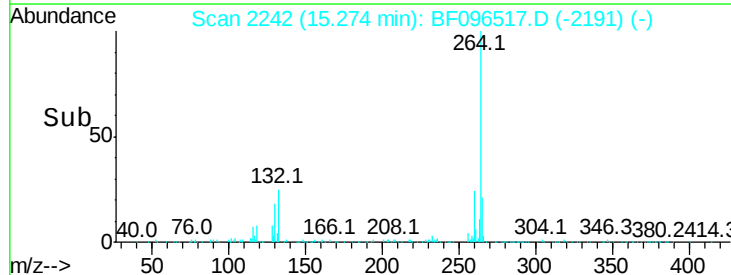
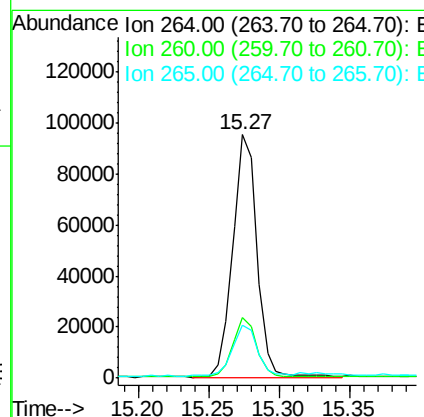
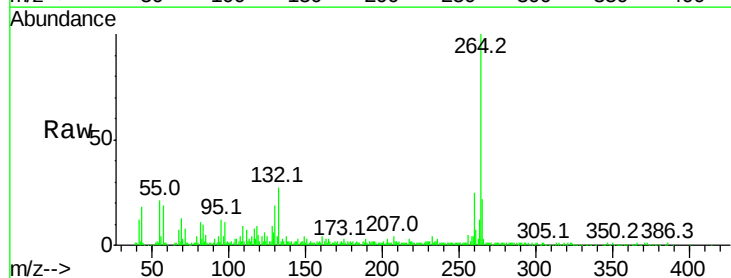
Instrument :
 BNA_F
 ClientSampled :

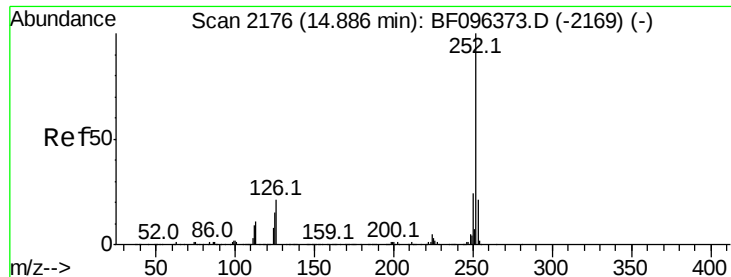
Tot Ion:149 Resp: 313678
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.0 31.4
 279 3.0 1.9 2.9#



#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





#87

Benzo(b)fluoranthene

Concen: 6.96 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

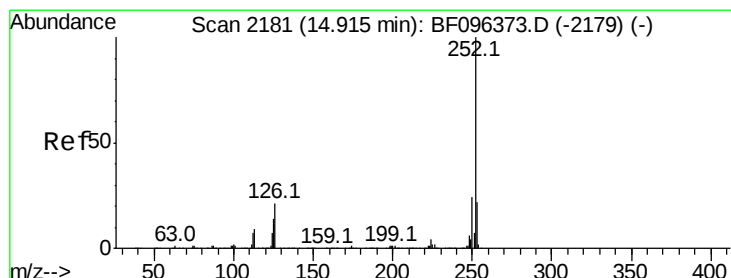
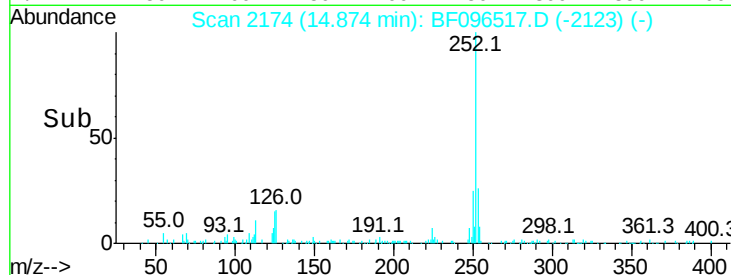
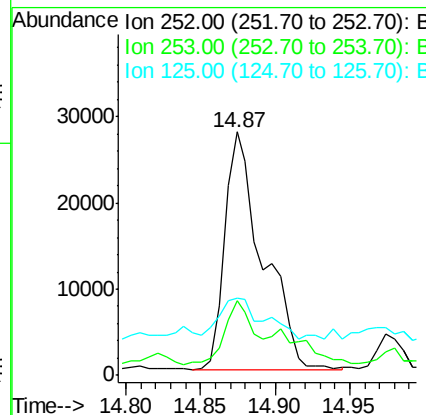
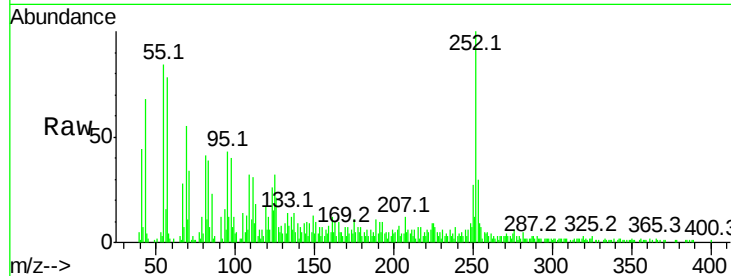
Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 49532

Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.1	27.1#
125	31.9	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 7.78 ng

RT: 14.87 min Scan# 2174

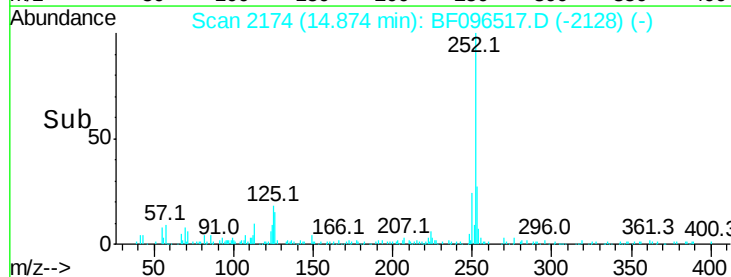
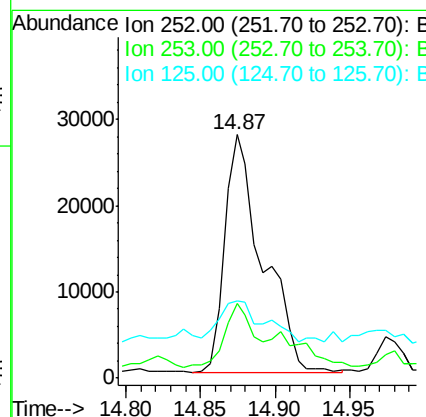
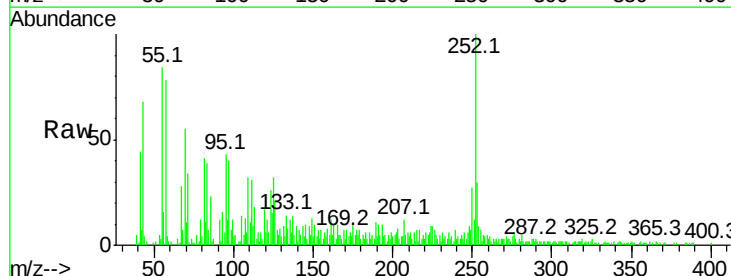
Delta R.T. -0.03 min

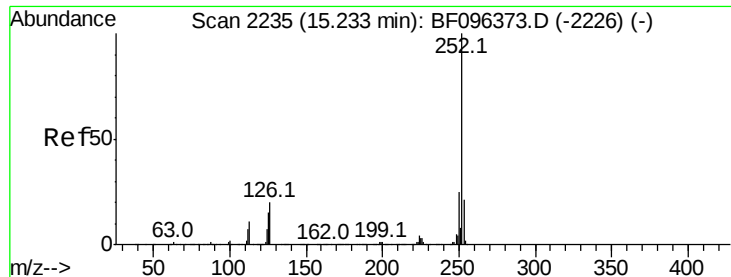
Lab File: BF096517.D

Acq: 6 Jul 2017 7:28

Tgt Ion:252 Resp: 49532

Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.4	27.6#
125	31.9	13.1	19.7#





#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

Instrument :

BNA_F

ClientSampleId :

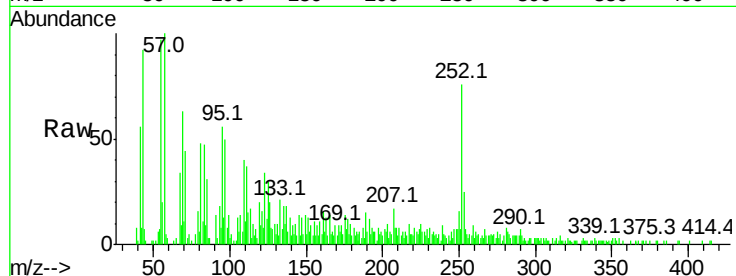
Tot Ion:252 Resp: 16238

Ion Ratio Lower Upper

252 100

253 33.2 17.5 26.3#

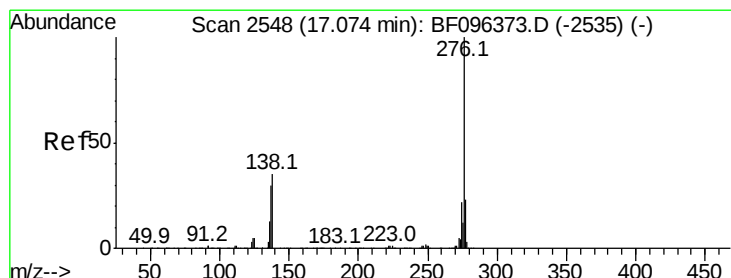
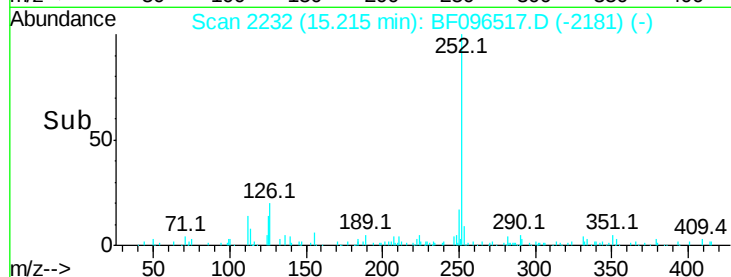
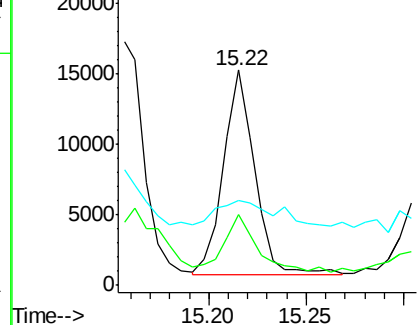
125 39.5 11.0 16.4#



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(g,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

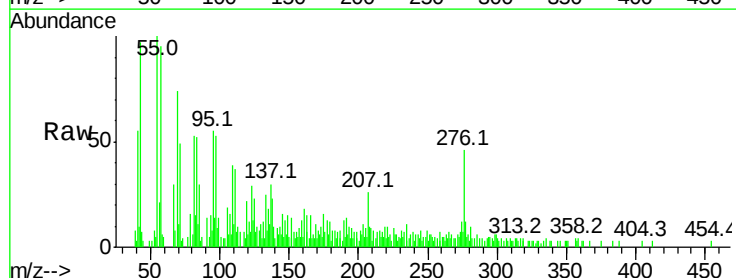
Tgt Ion:276 Resp: 11276

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

