

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096192.D
 Acq On : 24 Jun 2017 16:09
 Operator : SJ/MA
 Sample : I3851-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:22:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	63617	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	239004	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	95096	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	148004	20.00	ng	-0.03
75) Chrysene-d12	18.26	240	128837	20.00	ng	-0.02
86) Perylene-d12	19.93	264	90515	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	366182	91.72	ng	-0.03
7) Phenol-d6	6.85	99	452374	94.65	ng	-0.03
23) Nitrobenzene-d5	8.19	82	260601	67.72	ng	-0.04
41) 2,4,6-Tribromophenol	13.42	330	50631	60.18	ng	-0.03
44) 2-Fluorobiphenyl	11.07	172	490877	71.83	ng	-0.04
78) Terphenyl-d14	16.90	244	345129	66.48	ng	-0.03

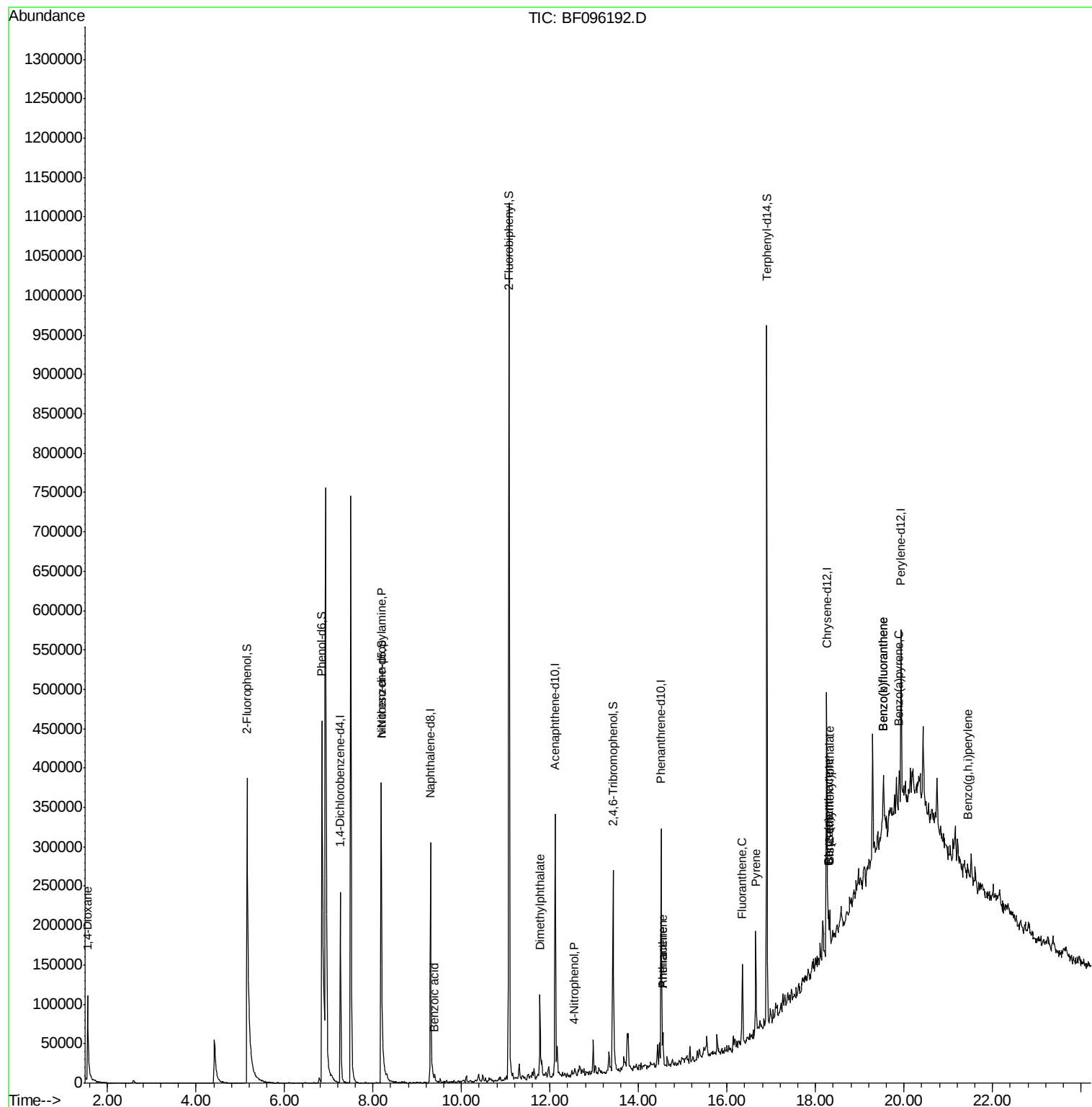
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.54	88	5498	2.89	ng	# 23
19) n-Nitroso-di-n-propylamine	8.19	70	30898	10.20	ng	# 78
32) Benzoic acid	9.37	122	765	5.44	ng	96
49) Dimethylphthalate	11.77	163	70383	9.75	ng	99
55) 4-Nitrophenol	12.55	139	111	4.72	ng	# 1
70) Phenanthrene	14.55	178	26463	3.10	ng	97
71) Anthracene	14.55	178	26463	2.97	ng	97
74) Fluoranthene	16.34	202	57280	6.78	ng	99
77) Pyrene	16.65	202	57203	5.95	ng	# 96
80) Benzo(a)anthracene	18.29	228	31181	4.16	ng	96
82) Chrysene	18.29	228	31181	4.17	ng	97
83) Bis(2-ethylhexyl)phthalate	18.33	149	14970	2.53	ng	# 95
87) Benzo(b)fluoranthene	19.53	252	41308	7.29	ng	# 82
88) Benzo(k)fluoranthene	19.53	252	41308	7.62	ng	# 86
89) Benzo(a)pyrene	19.89	252	18192	3.49	ng	# 79
91) Benzo(g,h,i)perylene	21.44	276	11164	2.48	ng	# 84

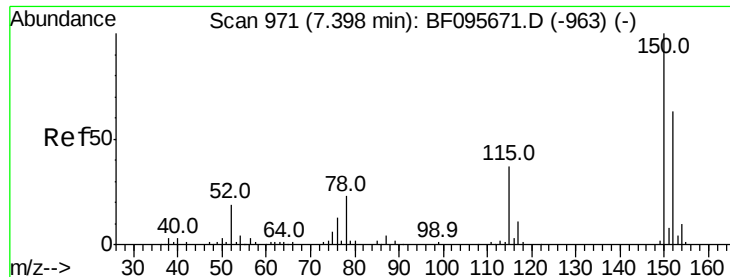
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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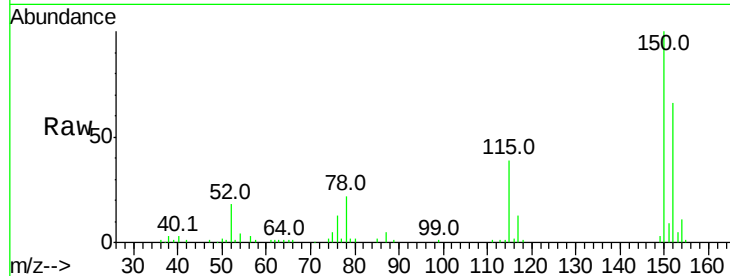


#1

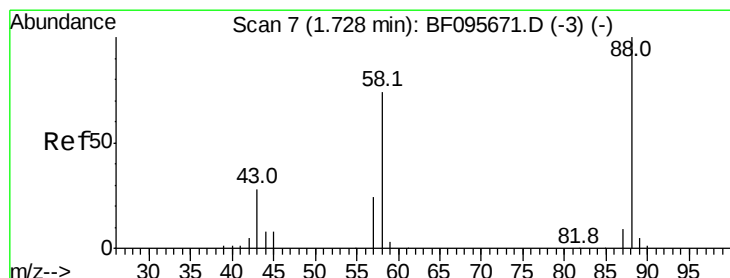
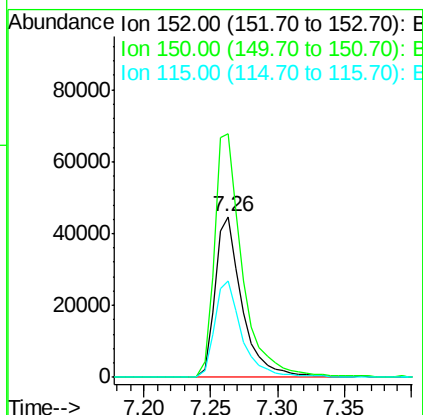
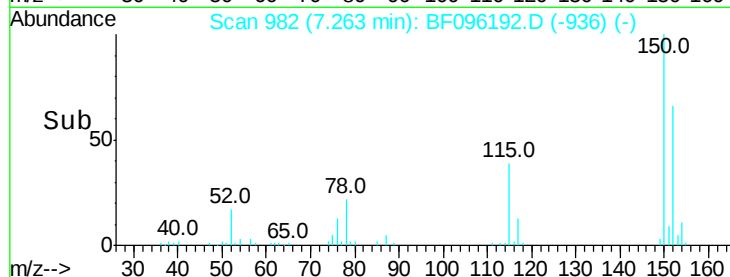
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 63617
Ion Ratio Lower Upper
152 100
150 151.6 126.2 189.2
115 59.7 52.2 78.2



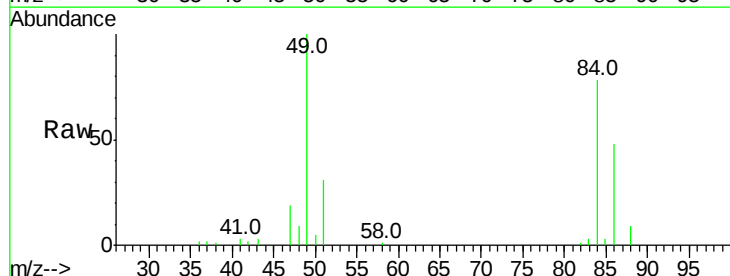
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



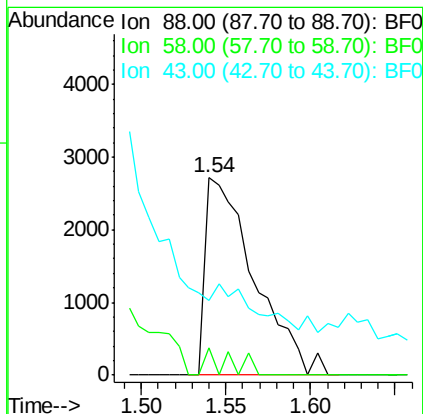
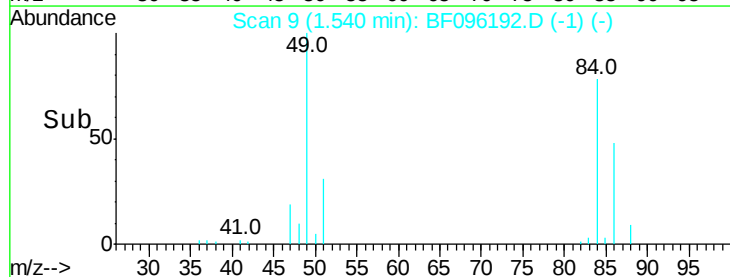
#2

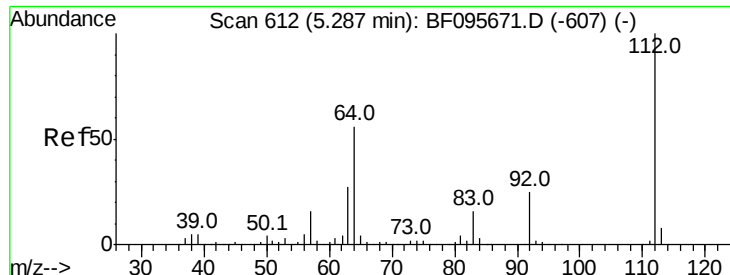
1,4-Dioxane
Concen: 2.89 ng
RT: 1.54 min Scan# 9
Delta R.T. -0.07 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion: 88 Resp: 5498
Ion Ratio Lower Upper
88 100
58 2.4 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

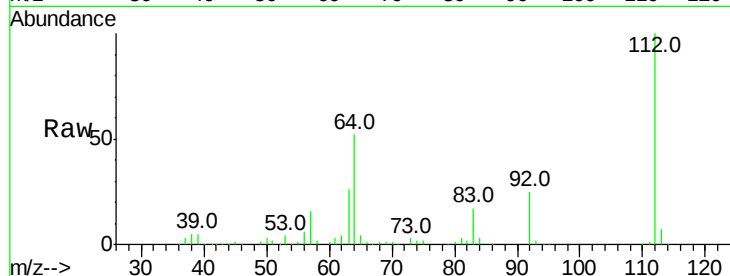




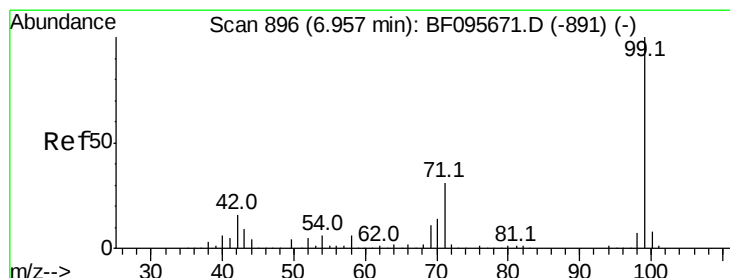
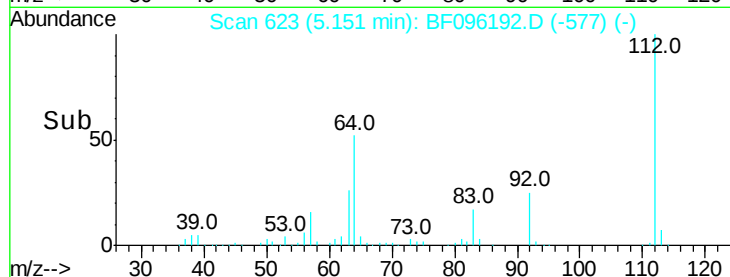
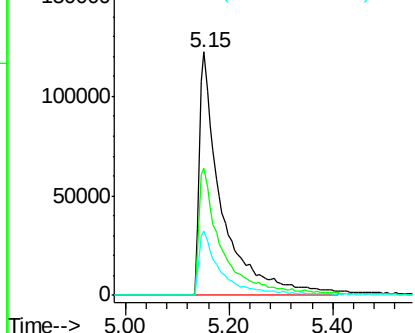
#5
 2-Fluorophenol
 Concen: 91.72 ng
 RT: 5.15 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF096192.D
 Acq: 24 Jun 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 112 Resp: 366182
 Ion Ratio Lower Upper
 112 100
 64 52.4 46.0 69.0
 63 26.4 23.4 35.0

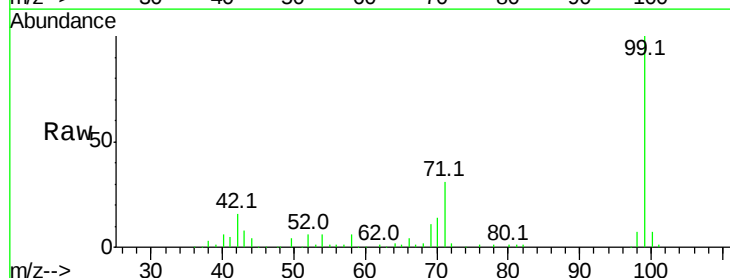


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

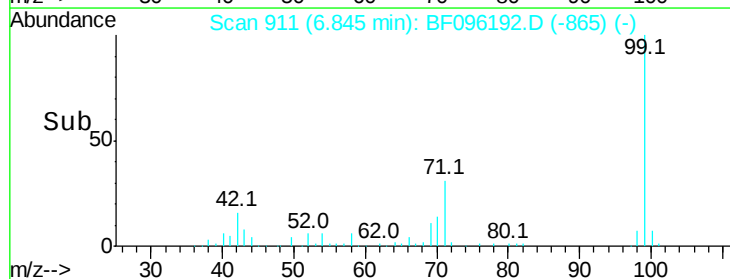
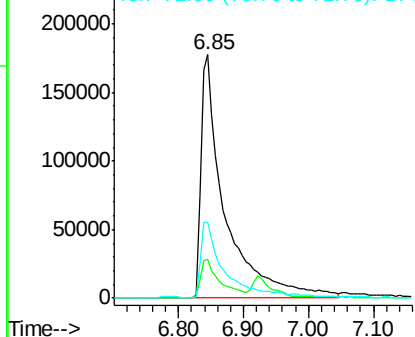


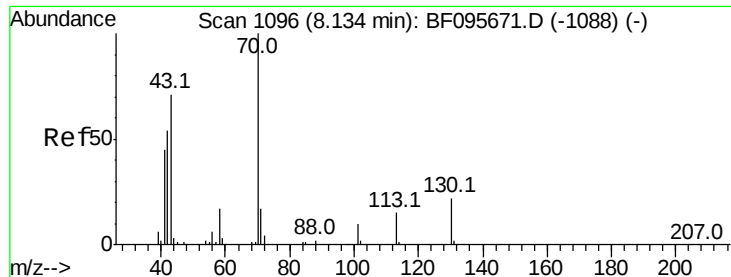
#7
 Phenol-d6
 Concen: 94.65 ng
 RT: 6.85 min Scan# 911
 Delta R.T. -0.03 min
 Lab File: BF096192.D
 Acq: 24 Jun 2017 16:09

Tgt Ion: 99 Resp: 452374
 Ion Ratio Lower Upper
 99 100
 42 16.0 13.5 20.3
 71 31.3 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





#19

n-Nitroso-di-n-propylamine

Concen: 10.20 ng

RT: 8.19 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 30898

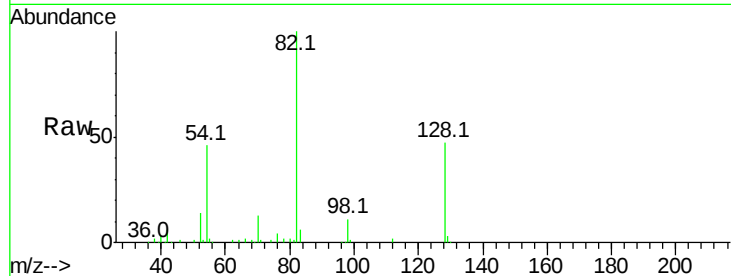
Ion Ratio Lower Upper

70 100

42 46.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#

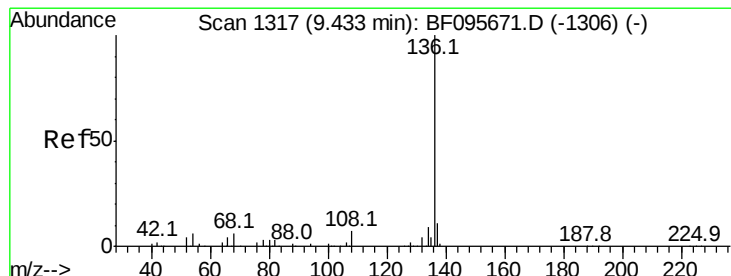
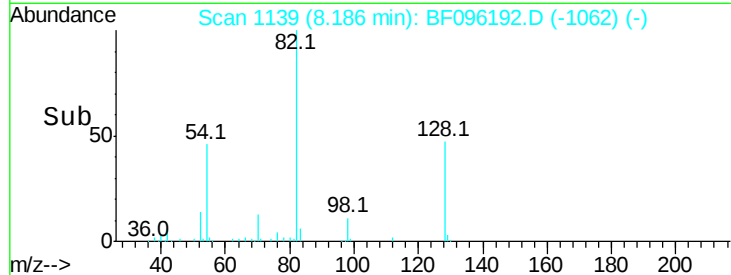
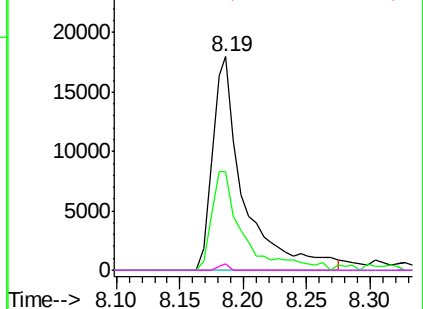


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.30 min Scan# 1328

Delta R.T. -0.03 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Tgt Ion:136 Resp: 239004

Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.4 4.9 7.3

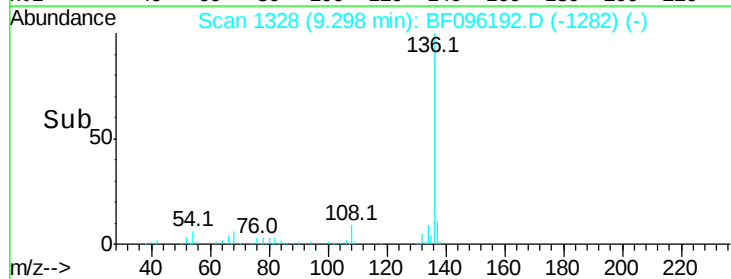
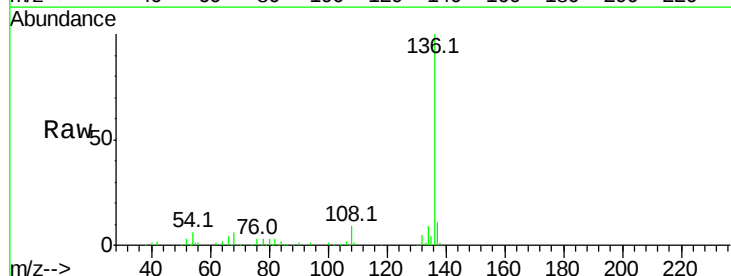
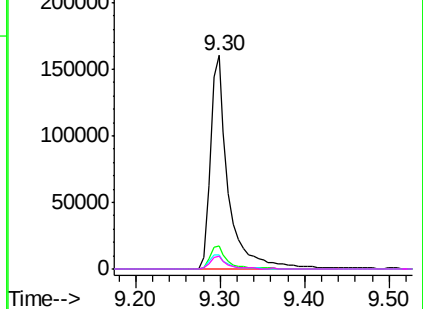
68 6.0 4.1 6.1

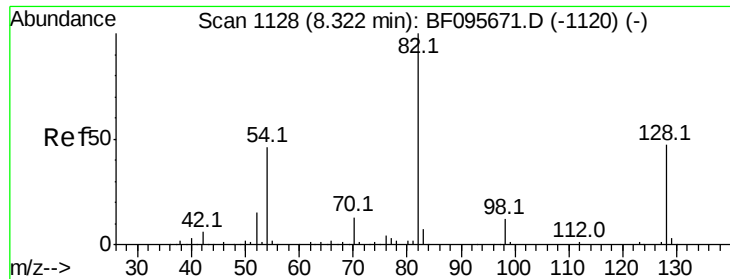
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

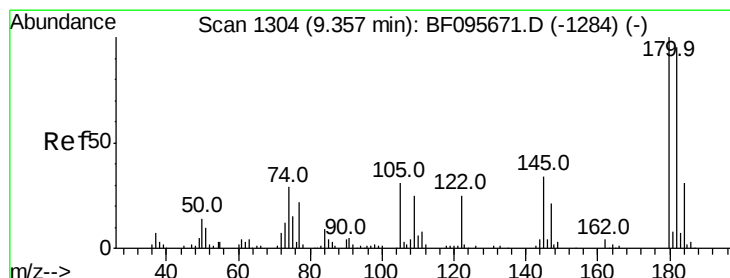
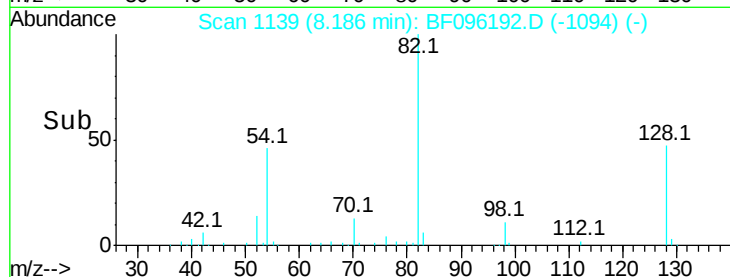
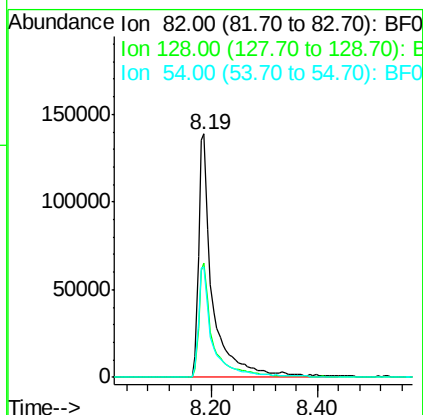
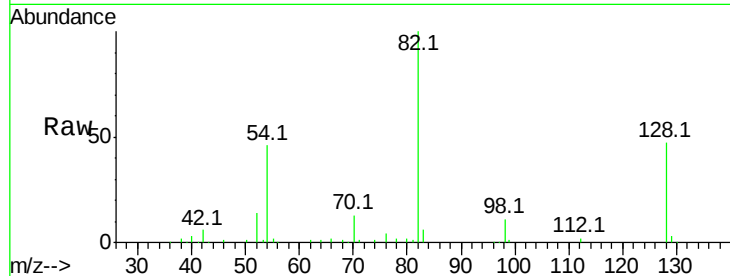




#23
Nitrobenzene-d5
Concen: 67.72 ng
RT: 8.19 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

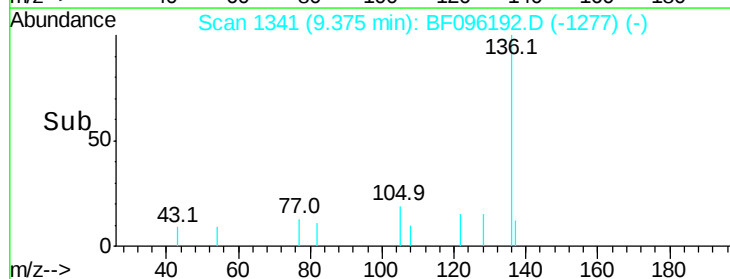
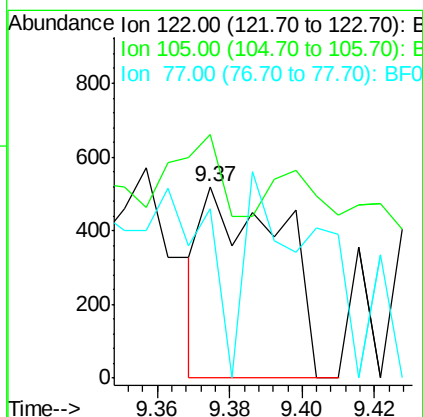
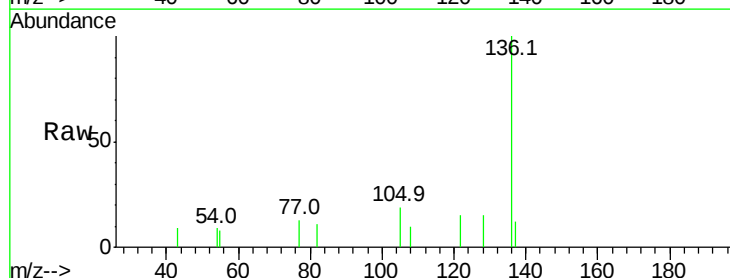
Instrument :
BNA_F
ClientSampleId :

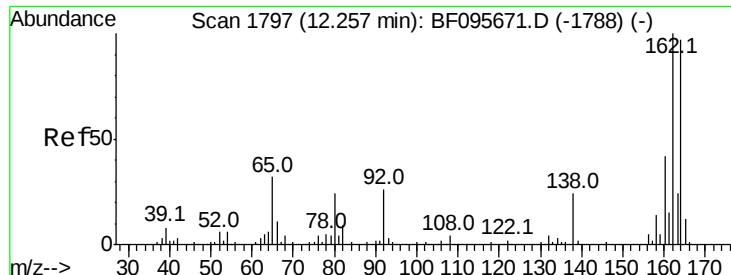
Tot Ion: 82 Resp: 260601
Ion Ratio Lower Upper
82 100
128 47.2 34.0 51.0
54 45.5 42.2 63.2



#32
Benzoic acid
Concen: 5.44 ng
RT: 9.37 min Scan# 1341
Delta R.T. 0.08 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:122 Resp: 765
Ion Ratio Lower Upper
122 100
105 127.1 103.3 143.3
77 88.3 73.7 113.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.12 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Instrument :

BNA_F

ClientSampled :

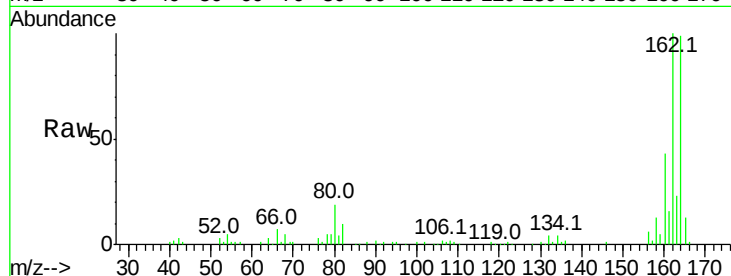
Tot Ion:164 Resp: 95096

Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

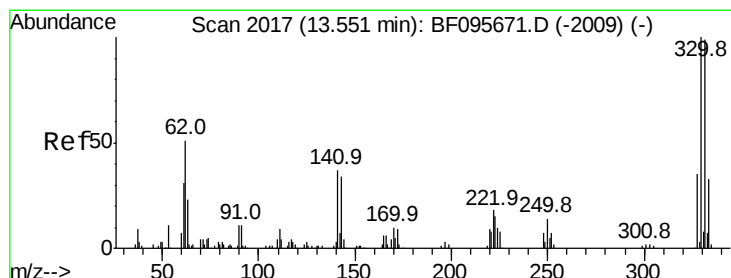
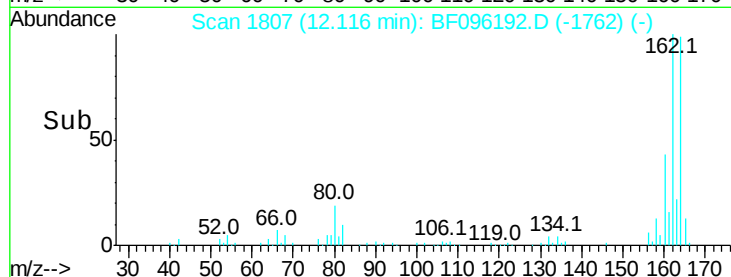
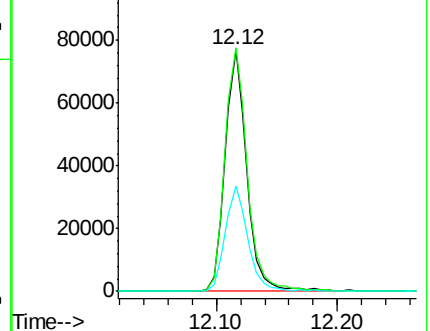
160 43.8 36.2 54.2



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: 60.18 ng

RT: 13.42 min Scan# 2029

Delta R.T. -0.03 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

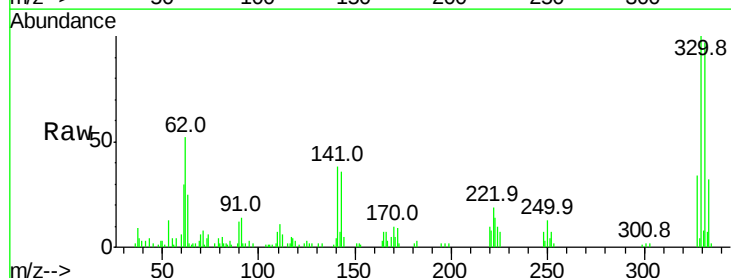
Tgt Ion:330 Resp: 50631

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

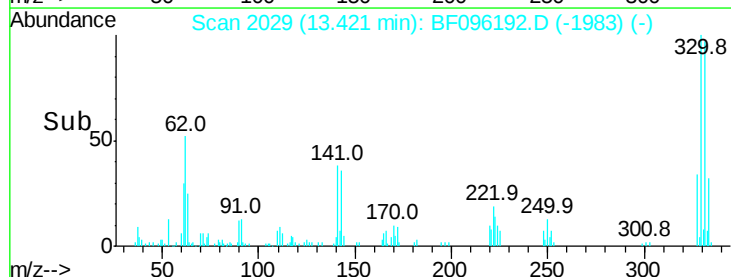
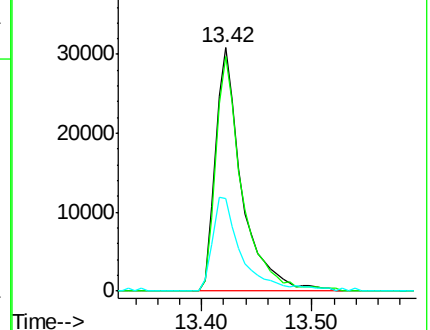
141 42.2 31.4 47.2

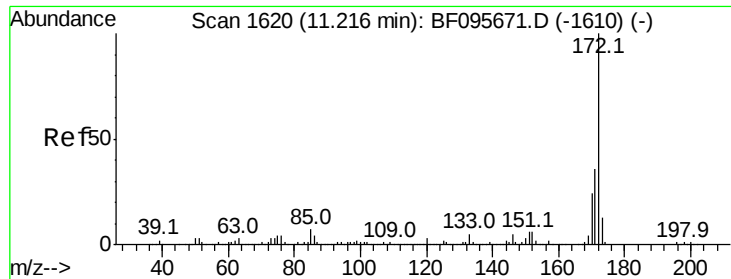


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

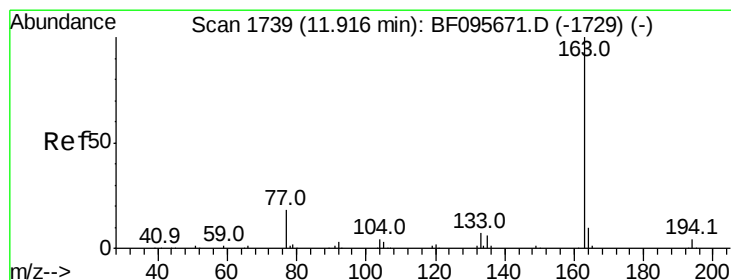
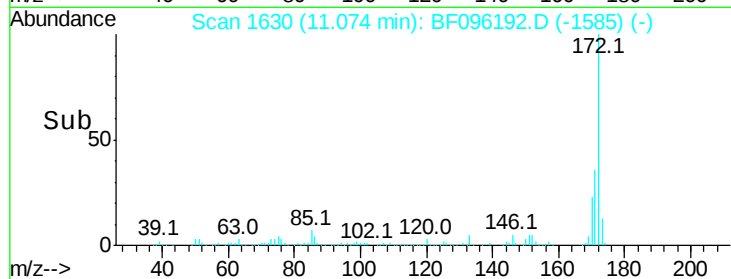
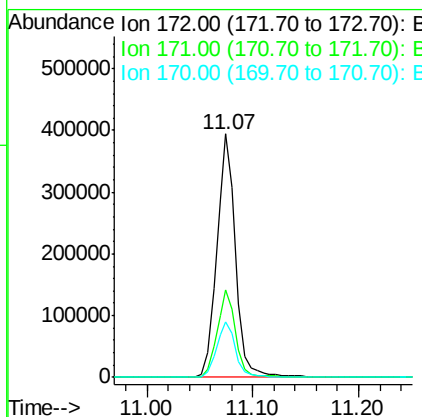
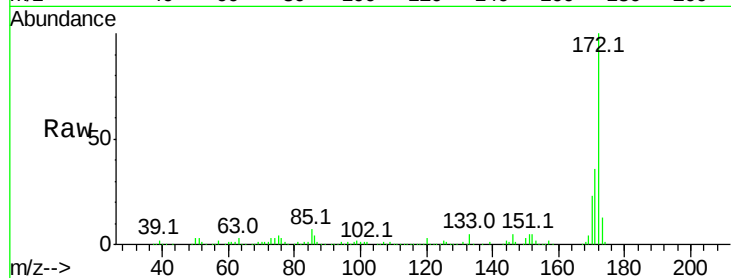




#44
2-Fluorobiphenyl
Concen: 71.83 ng
RT: 11.07 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

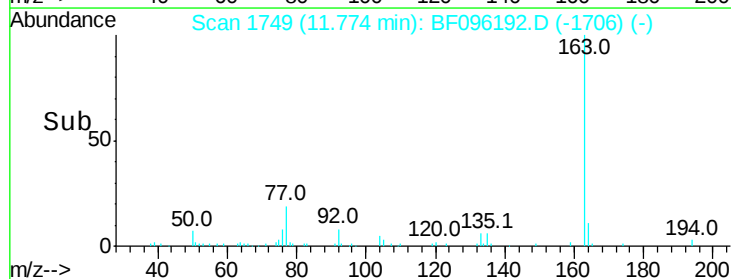
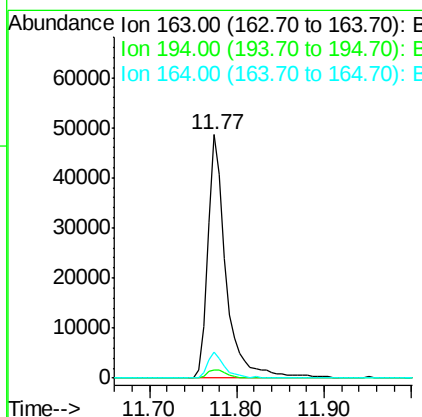
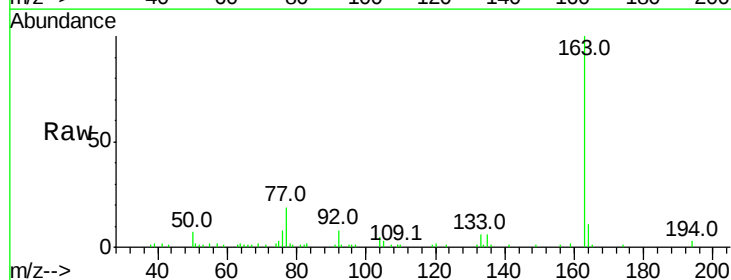
Instrument :
BNA_F
ClientSampled :

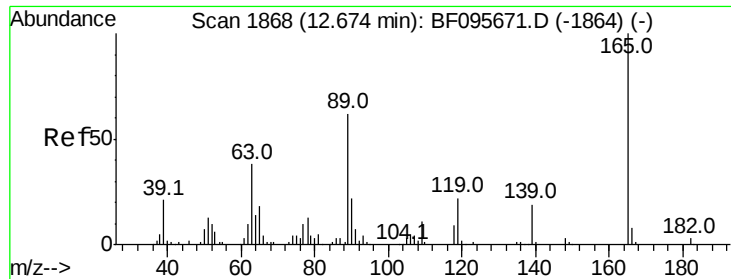
Tot Ion:172 Resp: 490877
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 22.9 19.8 29.8



#49
Dimethylphthalate
Concen: 9.75 ng
RT: 11.77 min Scan# 1749
Delta R.T. -0.05 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:163 Resp: 70383
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.8 8.4 12.6





#55

4-Nitrophenol

Concen: 4.72 ng

RT: 12.55 min Scan# 1881

Delta R.T. -0.08 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Instrument :

BNA_F

ClientSampleId :

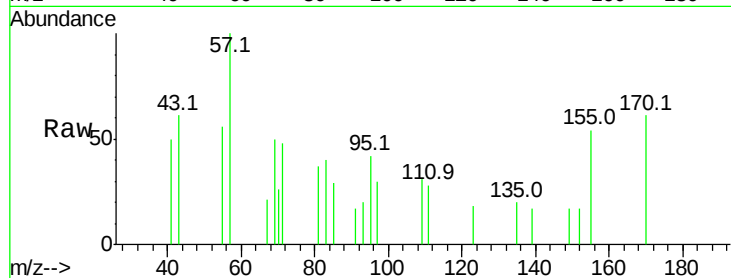
Tot Ion:139 Resp: 111

Ion Ratio Lower Upper

139 100

109 178.3 34.1 74.1#

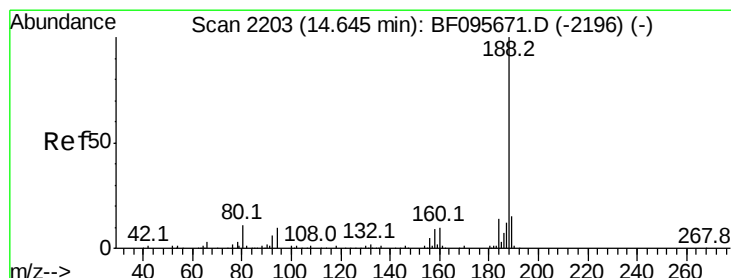
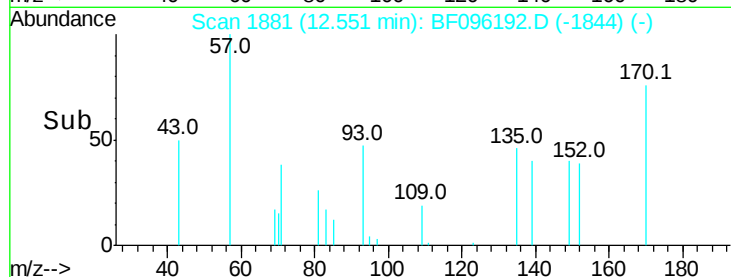
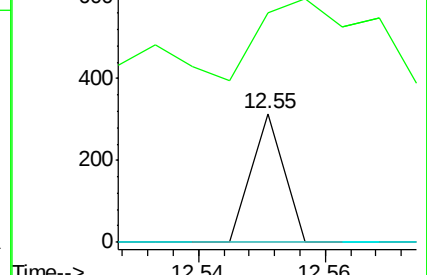
65 0.0 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.51 min Scan# 2214

Delta R.T. -0.03 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

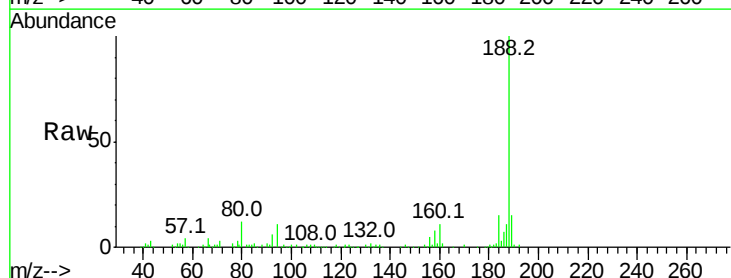
Tgt Ion:188 Resp: 148004

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

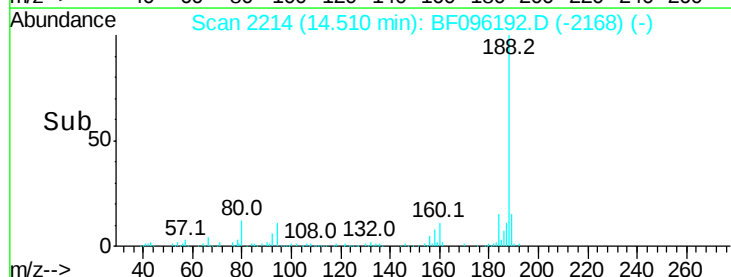
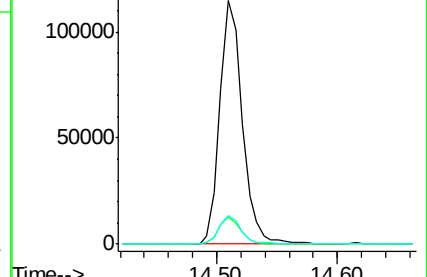
80 11.7 10.2 15.2

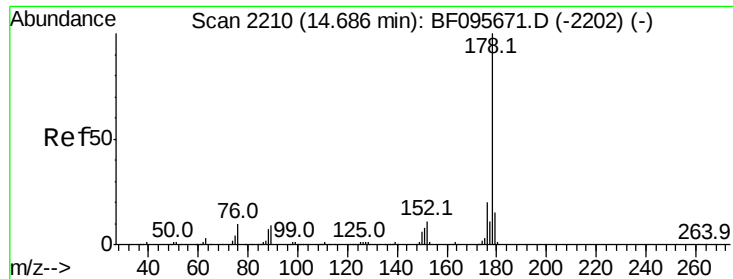


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.10 ng

RT: 14.55 min Scan# 2221

Delta R.T. -0.03 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Instrument :

BNA_F

ClientSampleId :

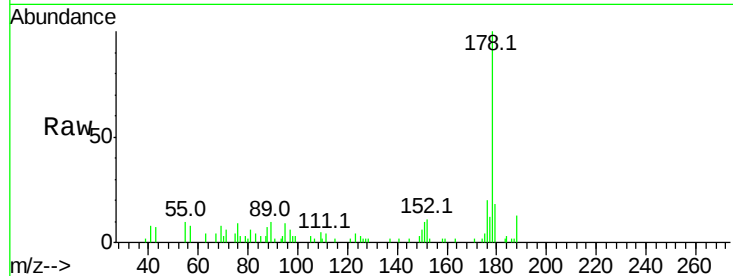
Tot Ion:178 Resp: 26463

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

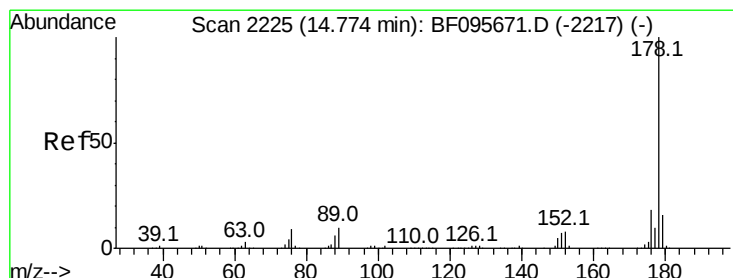
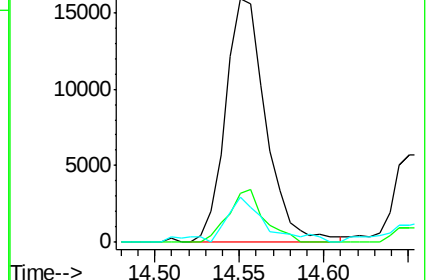
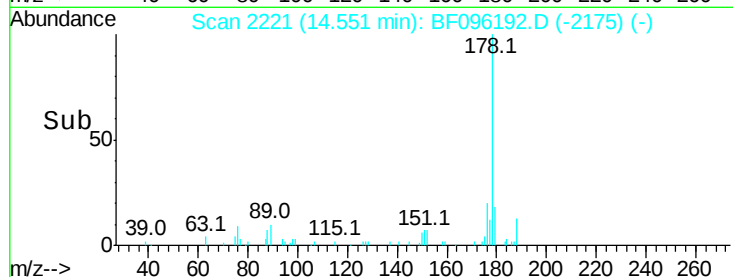
179 18.4 12.6 19.0



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



#71

Anthracene

Concen: 2.97 ng

RT: 14.55 min Scan# 2221

Delta R.T. -0.12 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

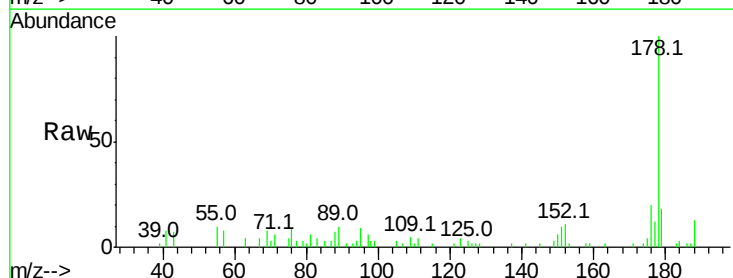
Tgt Ion:178 Resp: 26463

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

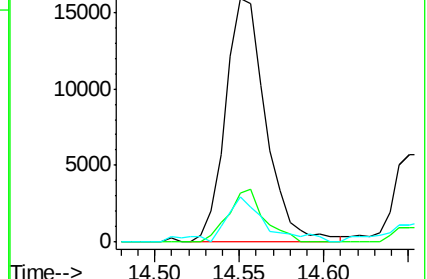
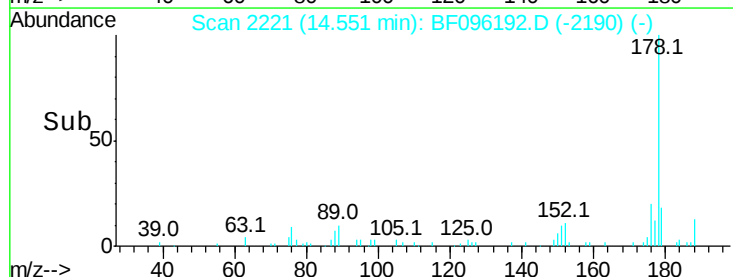
179 18.4 12.7 19.1

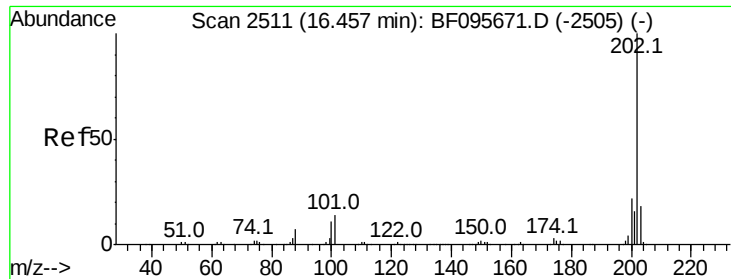


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.78 ng

RT: 16.34 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Instrument :

BNA_F

ClientSampleId :

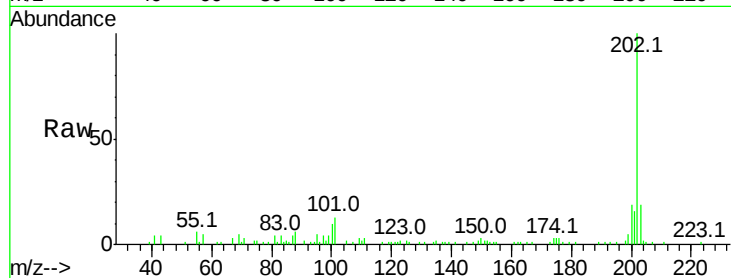
Tot Ion:202 Resp: 57280

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

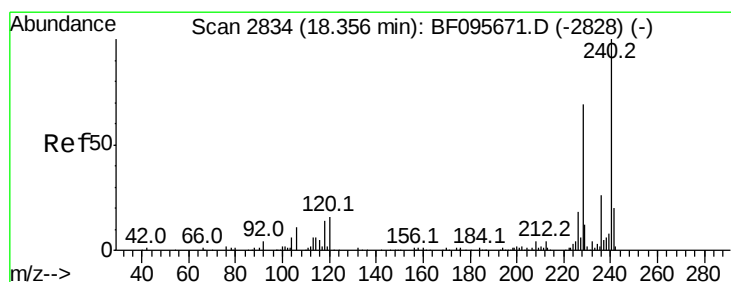
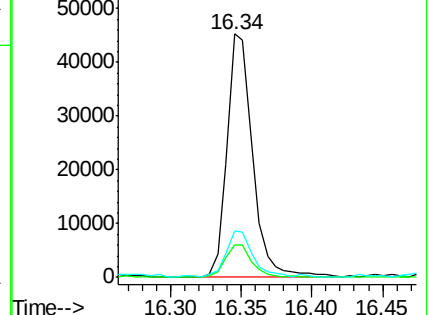
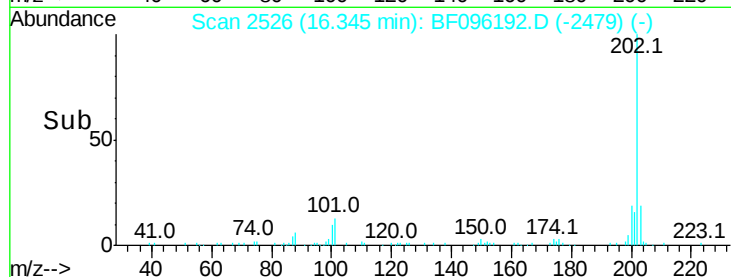
203 19.0 0.0 38.1



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: 18.26 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

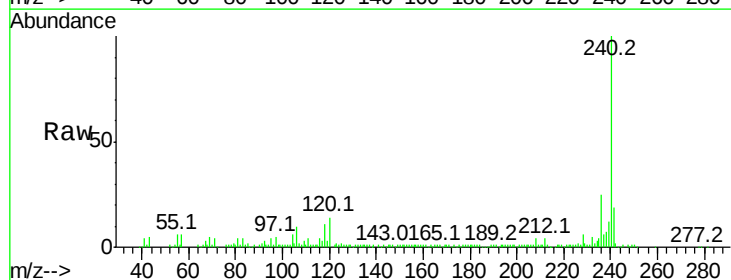
Tgt Ion:240 Resp: 128837

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

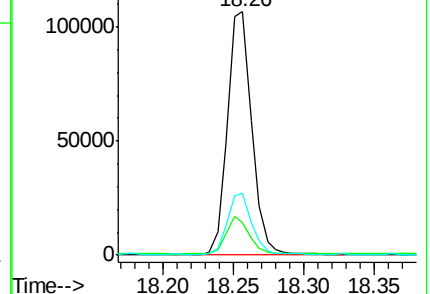
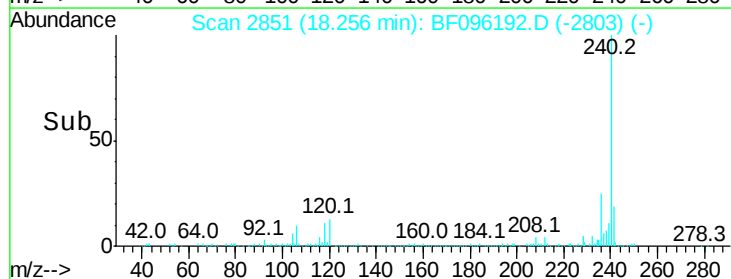
236 25.3 20.5 30.7

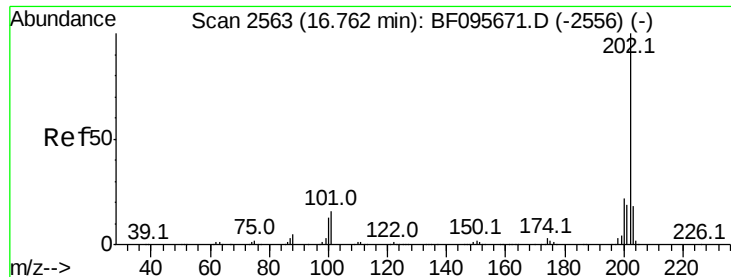


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

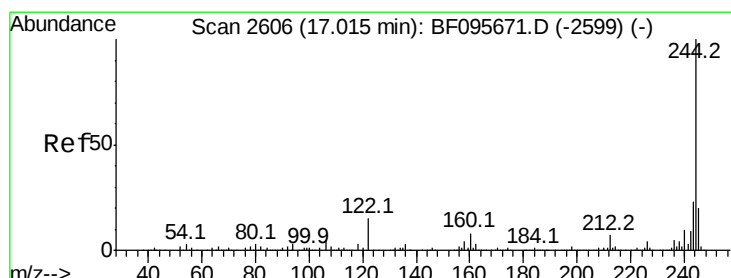
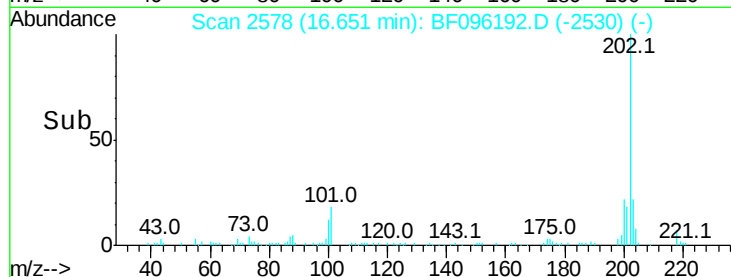
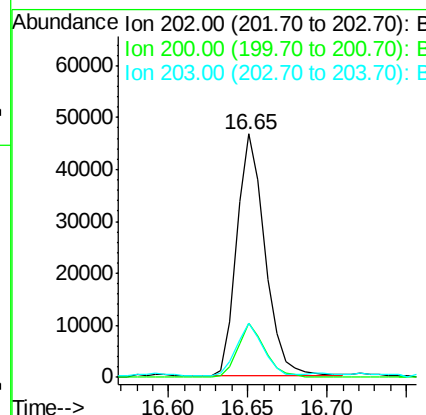
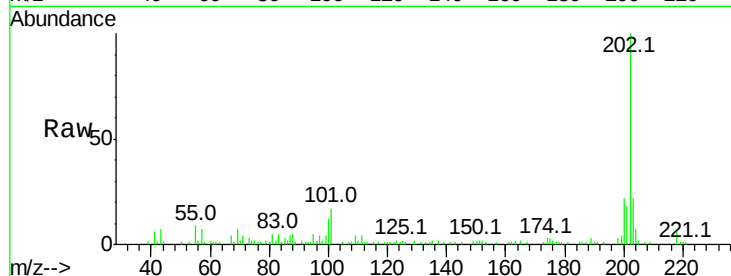




#77
Pvrene
Concen: 5.95 ng
RT: 16.65 min Scan# 2578
Delta R.T. -0.02 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

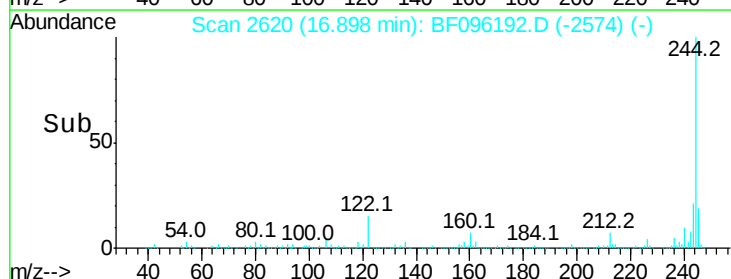
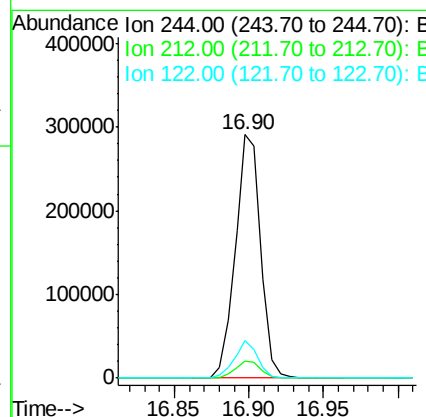
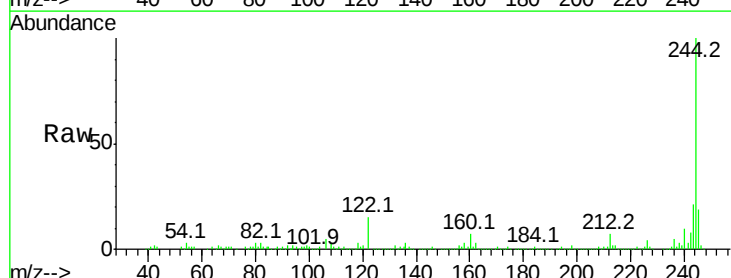
Instrument :
BNA_F
ClientSampleId :

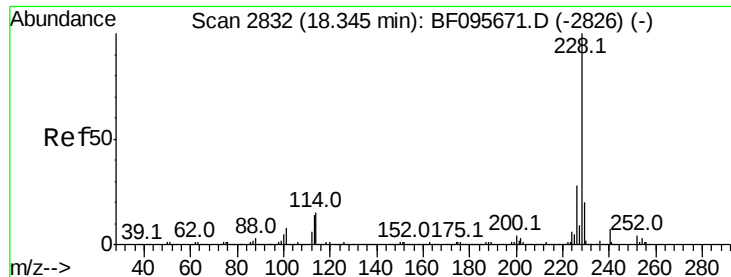
Tot Ion:202 Resp: 57203
Ion Ratio Lower Upper
202 100
200 22.1 17.6 26.4
203 22.2 14.4 21.6#



#78
Terphenyl-d14
Concen: 66.48 ng
RT: 16.90 min Scan# 2620
Delta R.T. -0.03 min
Lab File: BF096192.D
Acq: 24 Jun 2017 16:09

Tgt Ion:244 Resp: 345129
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 15.3 10.3 15.5





#80

Benzo(a)anthracene

Concen: 4.16 ng

RT: 18.29 min Scan# 2857

Delta R.T. 0.03 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Instrument :

BNA_F

ClientSampled :

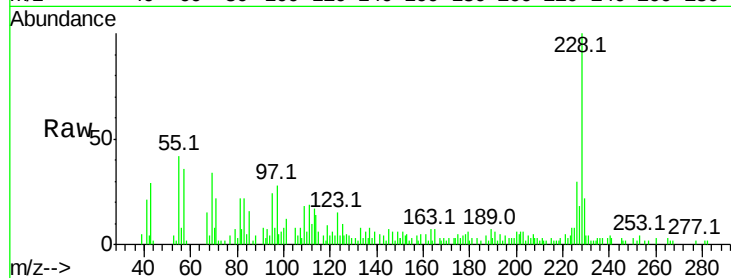
Tot Ion:228 Resp: 31181

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

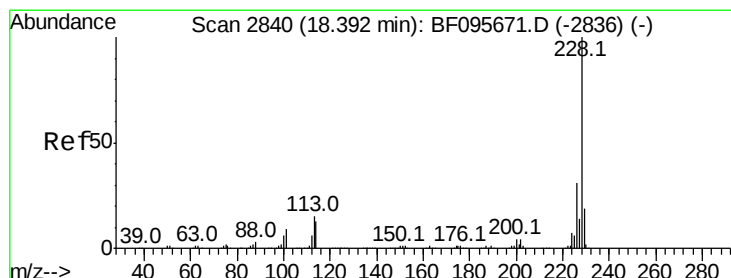
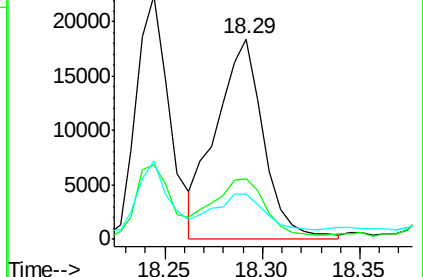
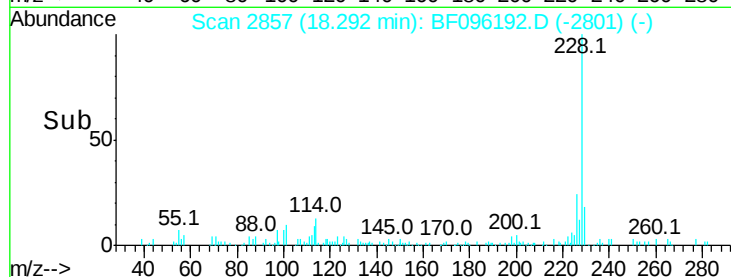
229 22.4 16.3 24.5



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



#82

Chrysene

Concen: 4.17 ng

RT: 18.29 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

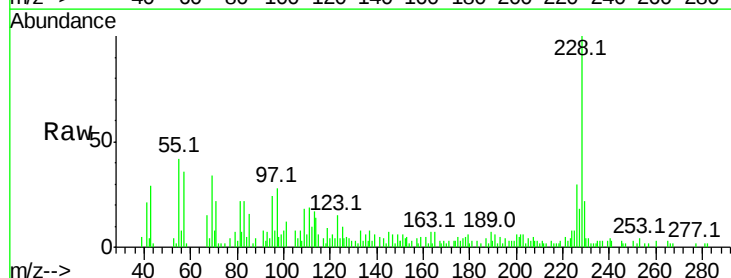
Tgt Ion:228 Resp: 31181

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

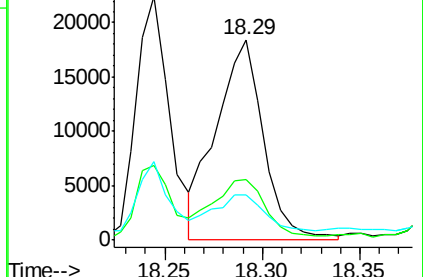
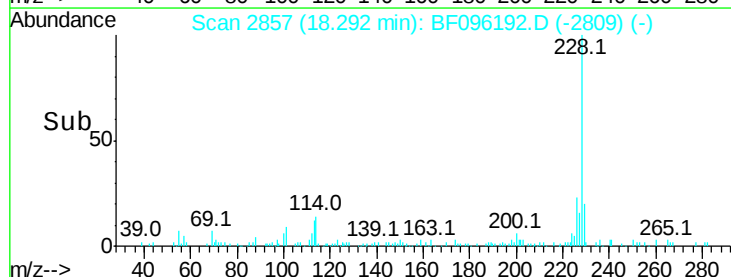
229 22.4 15.8 23.6

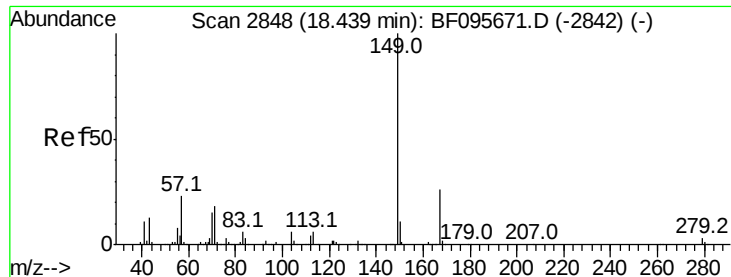


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.53 ng

RT: 18.33 min Scan# 2863

Delta R.T. -0.02 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Instrument :

BNA_F

ClientSampleId :

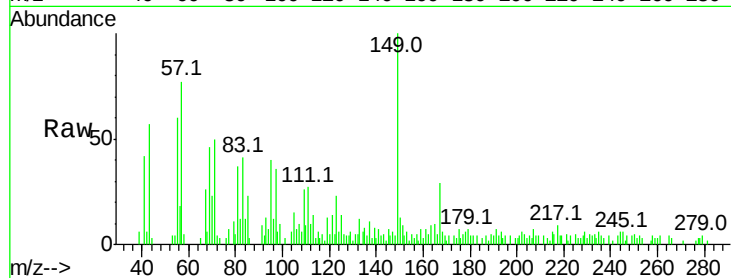
Tot Ion:149 Resp: 14970

Ion Ratio Lower Upper

149 100

167 28.7 21.0 31.4

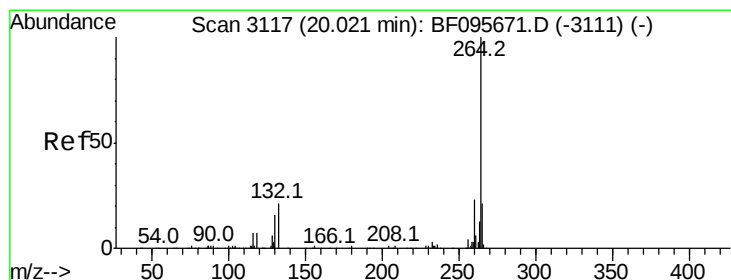
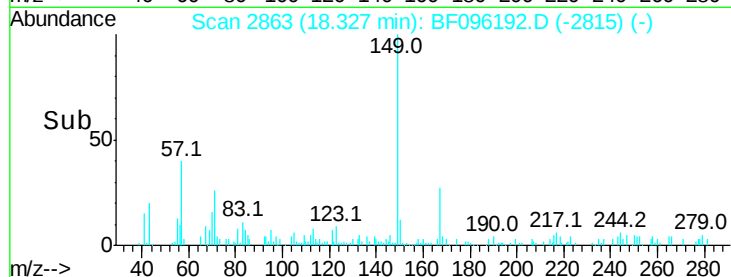
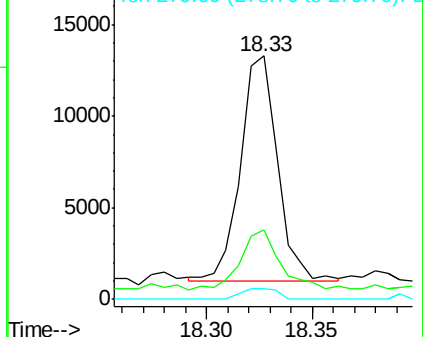
279 4.3 1.9 2.9#



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: 19.93 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

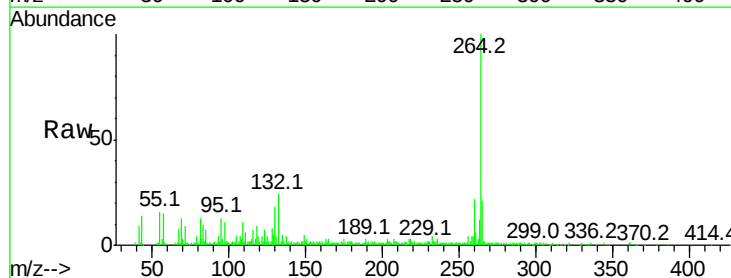
Tgt Ion:264 Resp: 90515

Ion Ratio Lower Upper

264 100

260 22.4 19.5 29.3

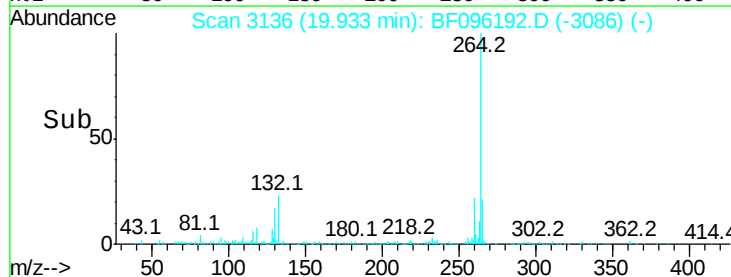
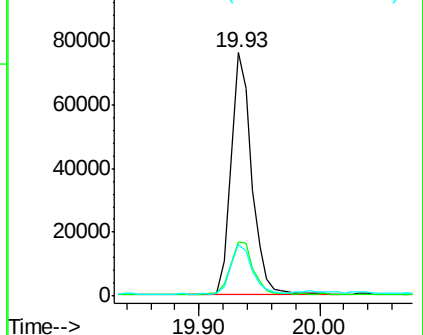
265 21.4 17.2 25.8

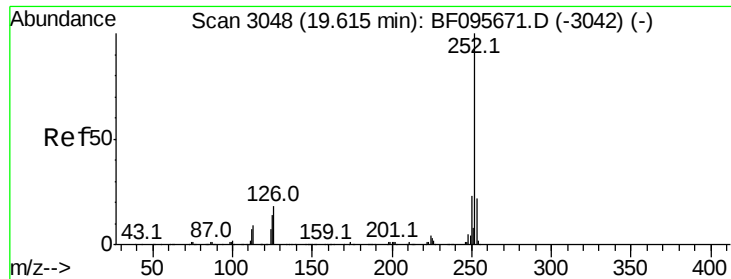


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.29 ng

RT: 19.53 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BF096192.D

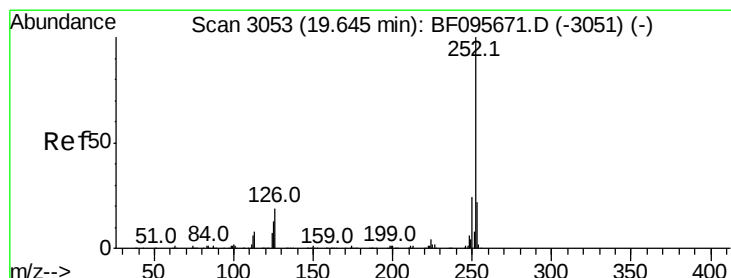
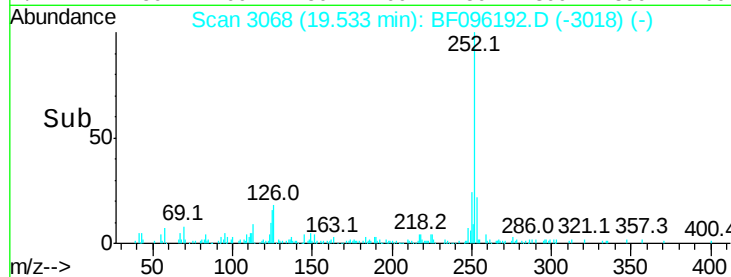
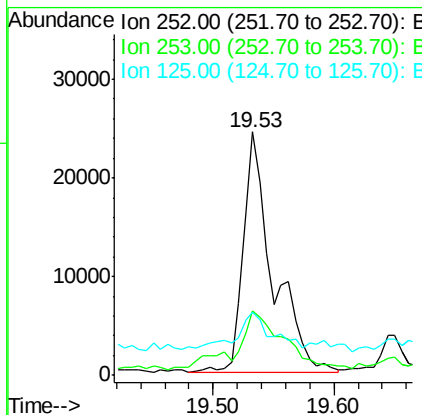
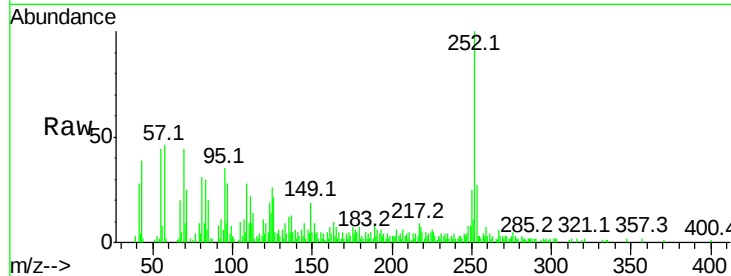
Acq: 24 Jun 2017 16:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	41308
Ion Ratio	Lower	Upper
252	100	
253	26.6	18.1 27.1
125	25.9	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 7.62 ng

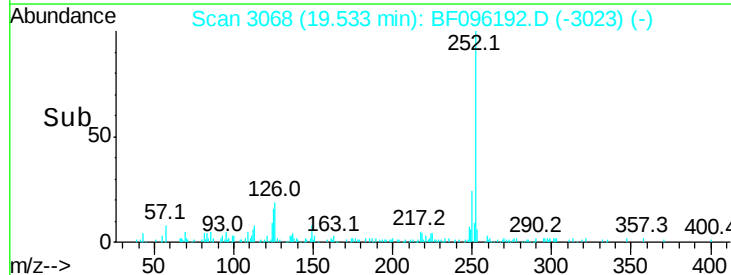
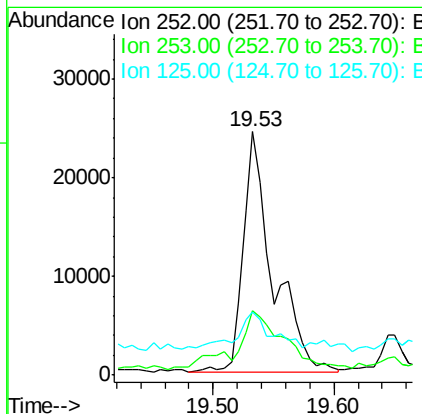
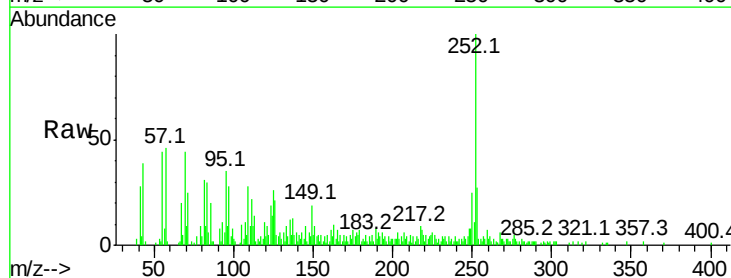
RT: 19.53 min Scan# 3068

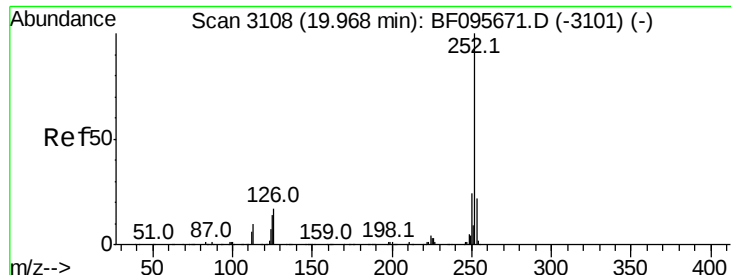
Delta R.T. -0.04 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Tgt Ion:252	Resp:	41308
Ion Ratio	Lower	Upper
252	100	
253	26.6	18.4 27.6
125	25.9	13.1 19.7#





#89

Benzo(a)pyrene

Concen: 3.49 ng

RT: 19.89 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

Instrument :

BNA_F

ClientSampled :

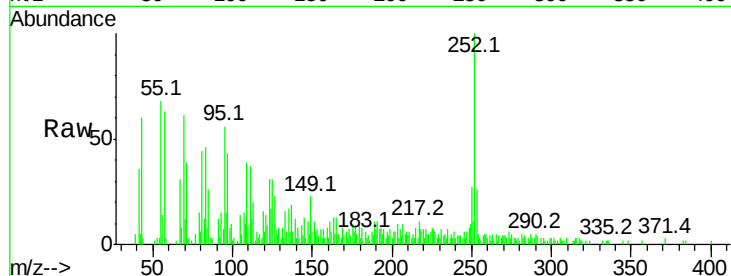
Tot Ion:252 Resp: 18192

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

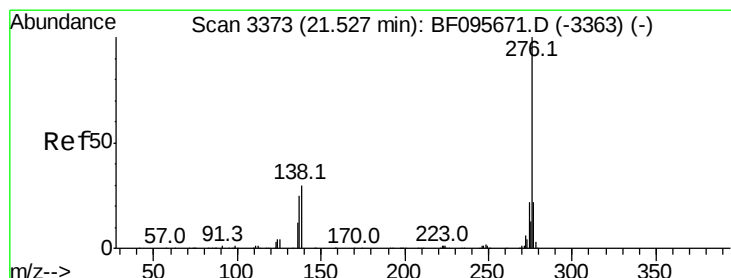
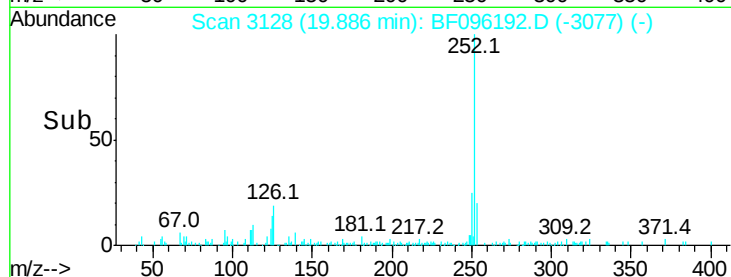
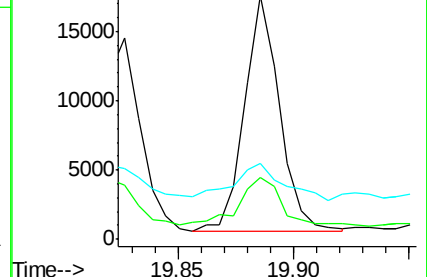
125 31.2 11.0 16.4#



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: 2.48 ng

RT: 21.44 min Scan# 3393

Delta R.T. 0.02 min

Lab File: BF096192.D

Acq: 24 Jun 2017 16:09

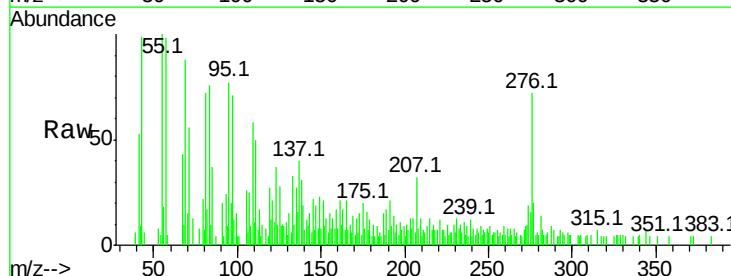
Tgt Ion:276 Resp: 11164

Ion Ratio Lower Upper

276 100

277 27.9 18.6 28.0

138 42.8 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

