

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
 Data File : BF096223.D
 Acq On : 27 Jun 2017 18:30
 Operator : SJ/MA
 Sample : I3868-07 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 27 19:07:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 27 15:17:15 2017
 Response via : Initial Calibration

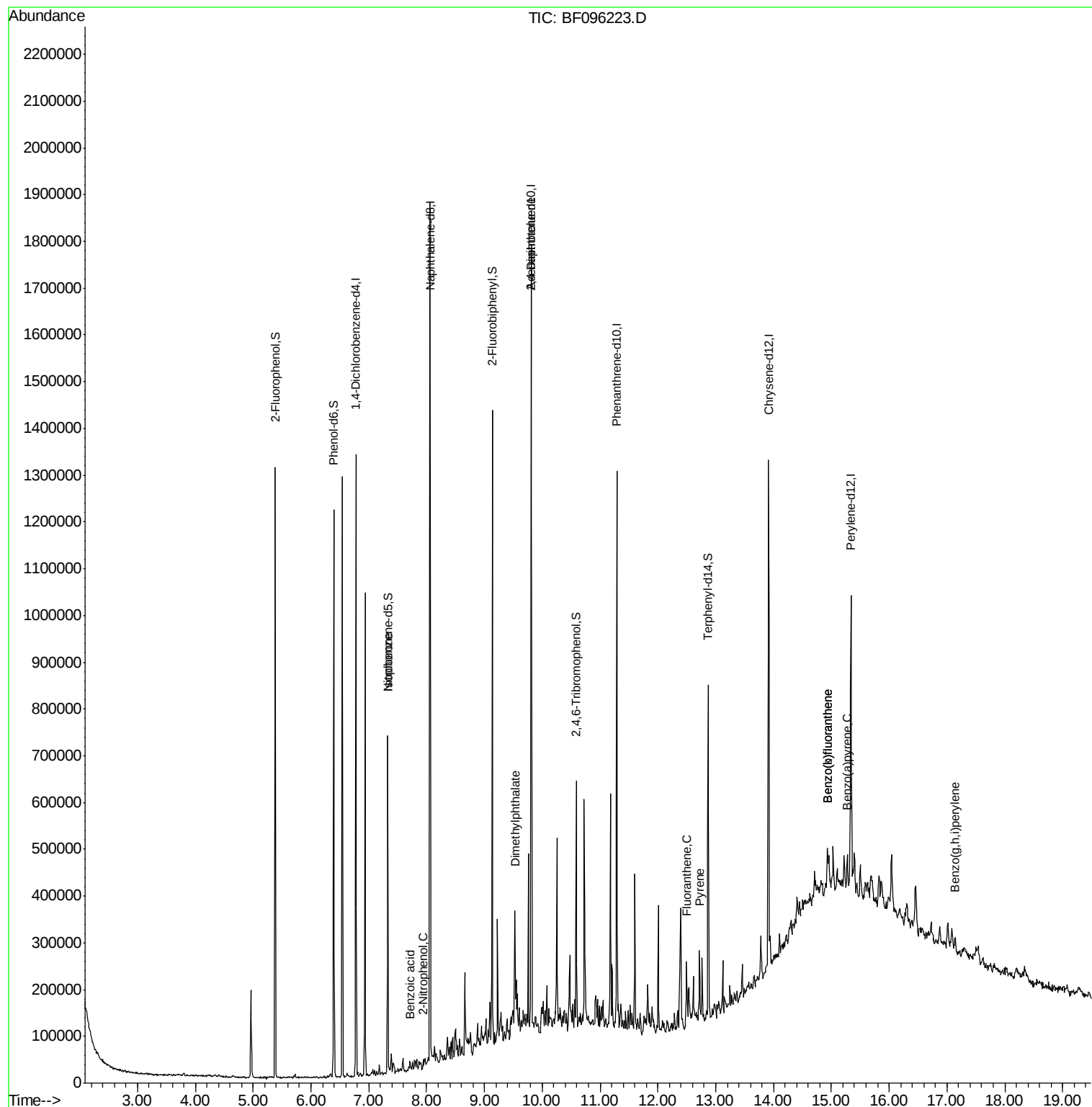
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	189702	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	779828	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	301083	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	399616	20.00	ng	0.00
75) Chrysene-d12	13.92	240	330194	20.00	ng	0.00
86) Perylene-d12	15.34	264	270240	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	314352	23.87	ng	0.00
7) Phenol-d6	6.40	99	389788	24.45	ng	0.00
23) Nitrobenzene-d5	7.33	82	198227	17.60	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	46543	19.64	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	352853	21.46	ng	-0.02
78) Terphenyl-d14	12.87	244	185430	14.01	ng	0.00
Target Compounds						
9) Benzaldehyde	6.40	77	632	Below Cal	#	1
25) Isophorone	7.33	82	197906	7.74 ng	#	67
26) 2-Nitrophenol	7.94	139	175	6.07 ng	#	1
32) Benzoic acid	7.73	122	540	8.84 ng	#	50
49) Dimethylphthalate	9.53	163	92063	4.27 ng		99
56) 2,4-Dinitrotoluene	9.81	165	39125	6.93 ng	#	34
70) Phenanthrene	11.36	178	9949	Below Cal		98
74) Fluoranthene	12.50	202	49931	2.25 ng		97
77) Pyrene	12.72	202	56617	2.09 ng		96
87) Benzo(b)fluoranthene	14.93	252	59514	3.35 ng	#	83
88) Benzo(k)fluoranthene	14.93	252	59514	3.67 ng	#	87
89) Benzo(a)pyrene	15.28	252	33350	2.13 ng	#	86
91) Benzo(a,h,i)perylene	17.14	276	26949	2.11 ng	#	91

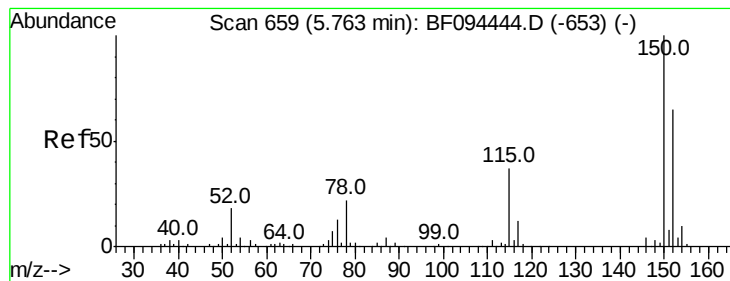
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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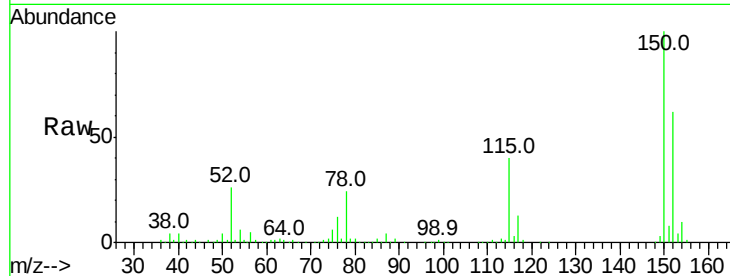


#1

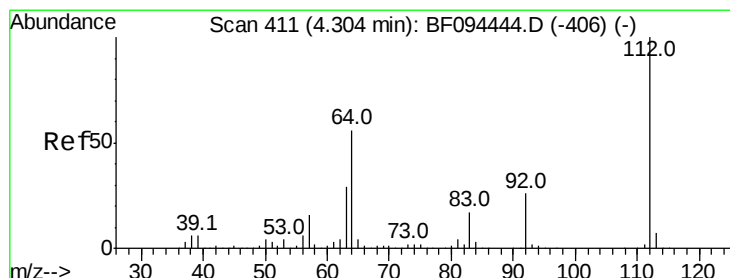
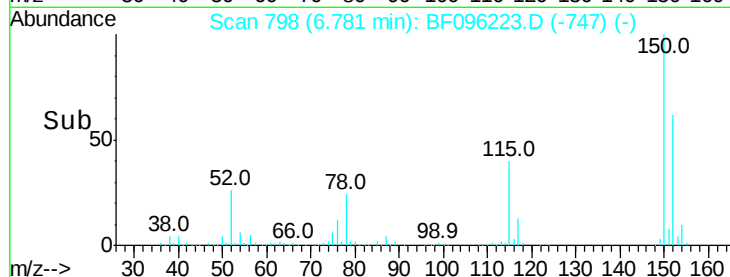
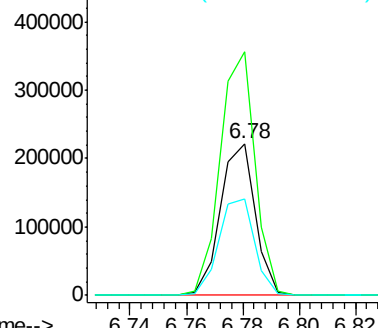
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096223.D
Acq: 27 Jun 2017 18:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 189702
Ion Ratio Lower Upper
152 100
150 160.7 126.2 189.2
115 63.7 52.2 78.2



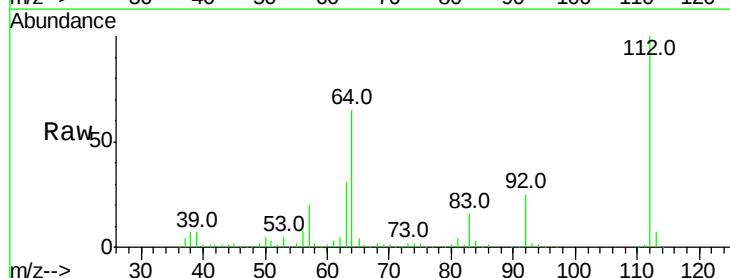
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



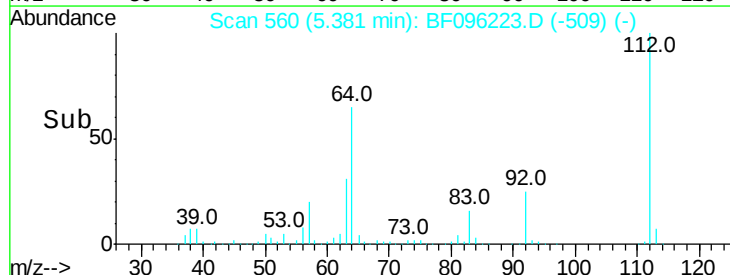
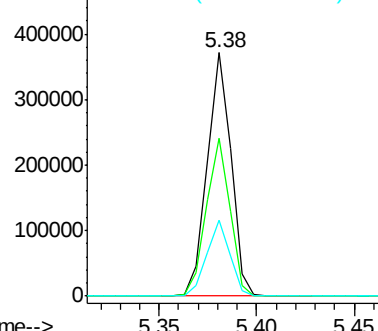
#5

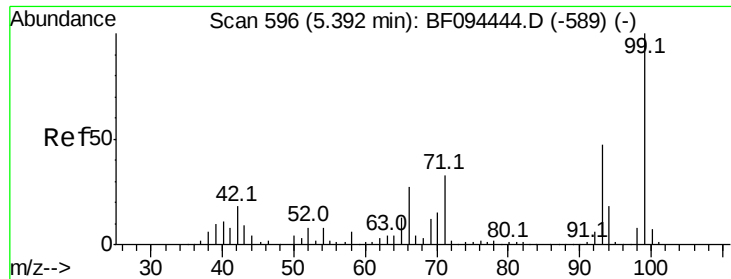
2-Fluorophenol
Concen: 23.87 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096223.D
Acq: 27 Jun 2017 18:30

Tgt Ion:112 Resp: 314352
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 31.4 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: 24.45 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

Instrument :

BNA_F

ClientSampleId :

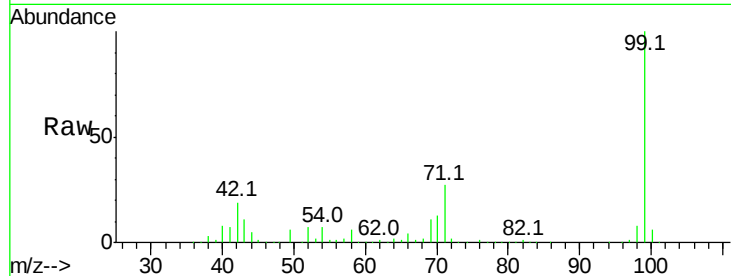
Tot Ion: 99 Resp: 389788

Ion Ratio Lower Upper

99 100

42 19.3 13.5 20.3

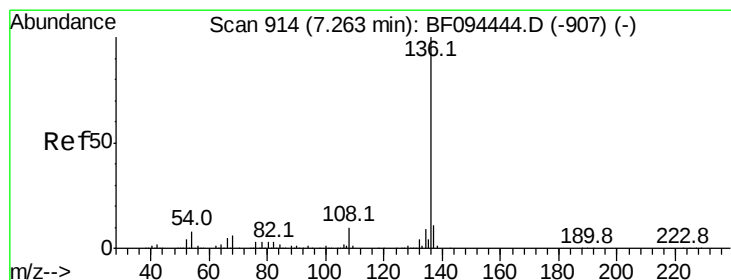
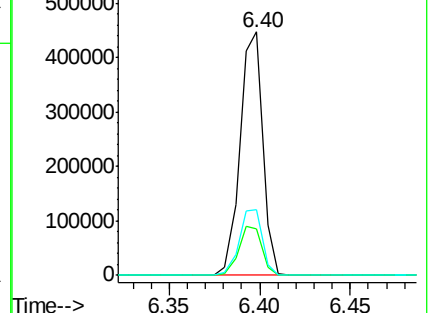
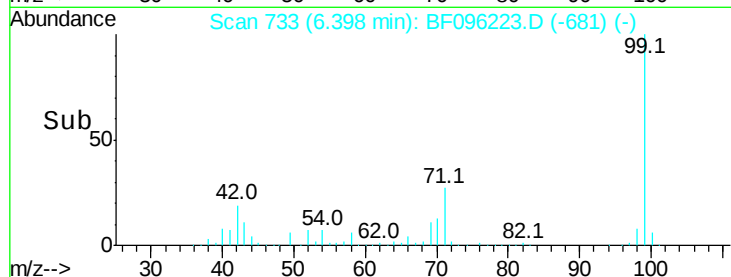
71 26.9 24.5 36.7



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: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

Tgt Ion: 136 Resp: 779828

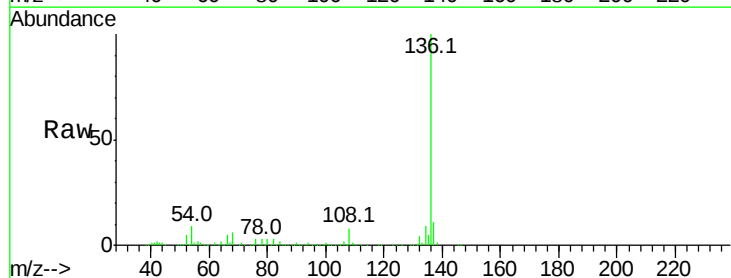
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 9.4 4.9 7.3#

68 5.9 4.1 6.1

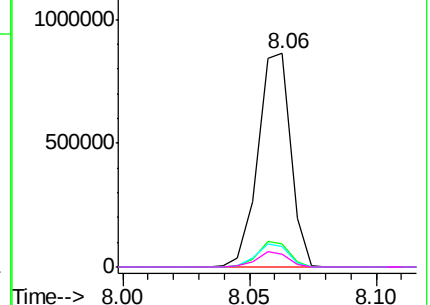
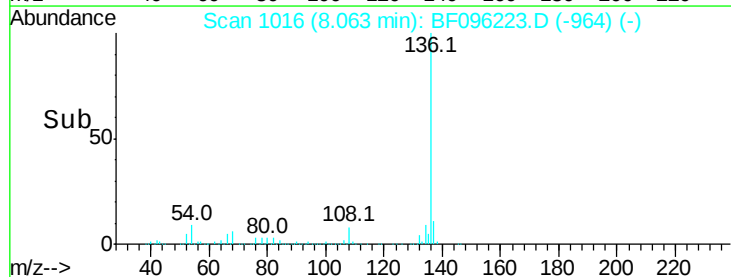


Abundance Ion 136.00 (135.70 to 136.70): E

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

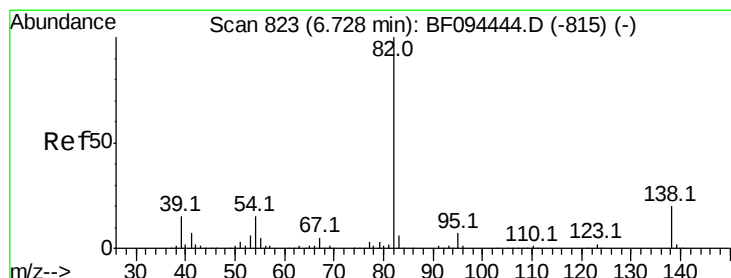
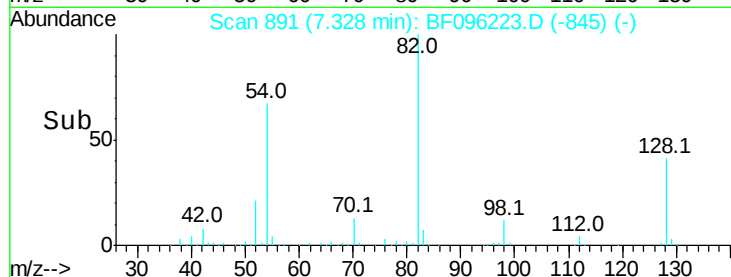
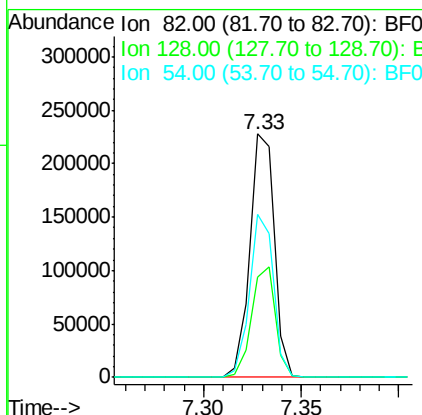
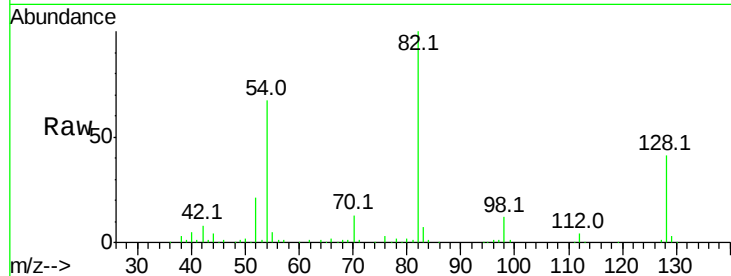




#23
 Nitrobenzene-d5
 Concen: 17.60 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.03 min
 Lab File: BF096223.D
 Acq: 27 Jun 2017 18:30

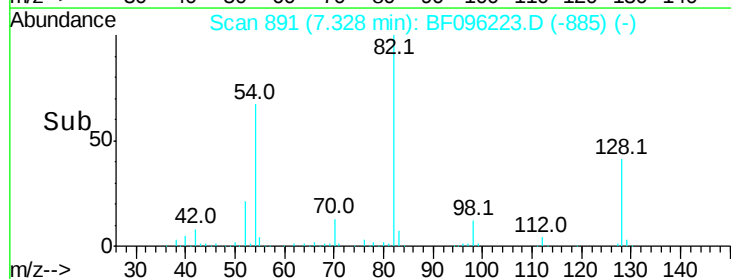
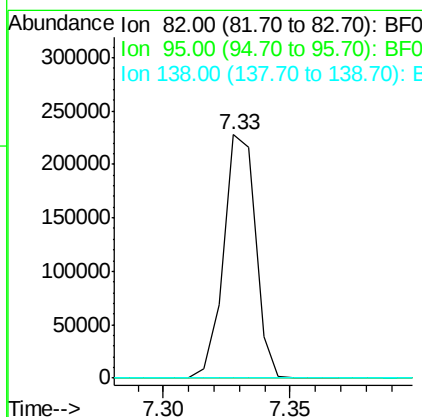
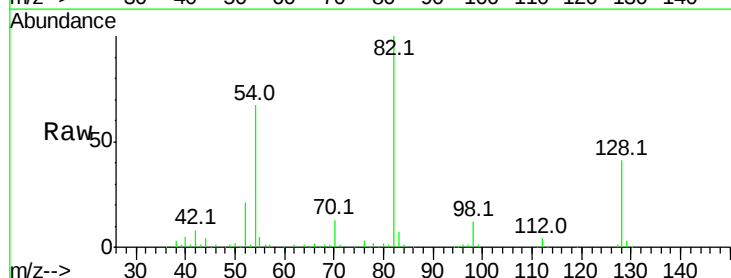
Instrument :
 BNA_F
 ClientSampleID :

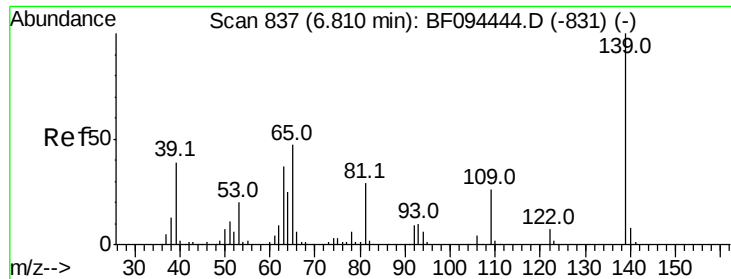
Tot Ion	82	Resp	198227
Ion Ratio	100	Lower	Upper
128	41.3	34.0	51.0
54	67.0	42.2	63.2#



#25
 Isophorone
 Concen: 7.74 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.26 min
 Lab File: BF096223.D
 Acq: 27 Jun 2017 18:30

Tgt Ion	82	Resp	197906
Ion Ratio	100	Lower	Upper
95	0.2	5.3	7.9#
138	0.0	13.1	19.7#





#26

2-Nitrophenol

Concen: 6.07 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.25 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

Instrument :

BNA_F

ClientSampleId :

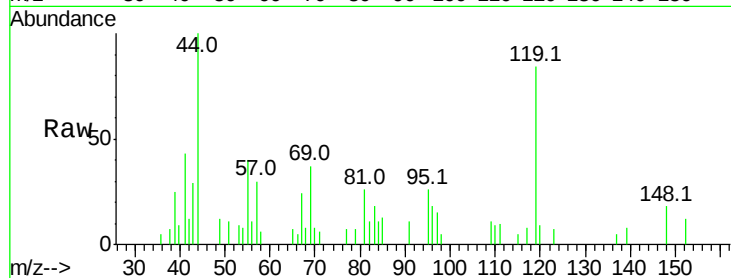
Tot Ion:139 Resp: 175

Ion Ratio Lower Upper

139 100

109 140.5 21.0 31.6#

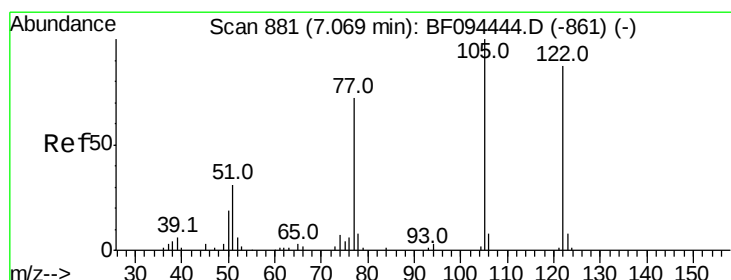
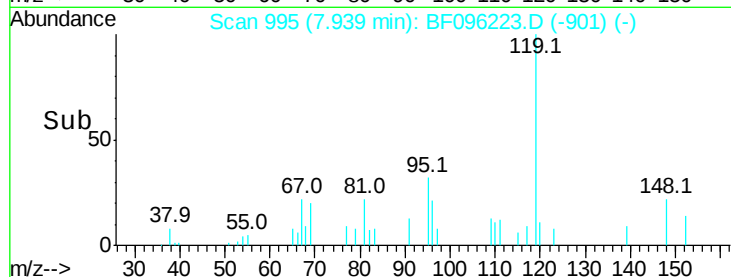
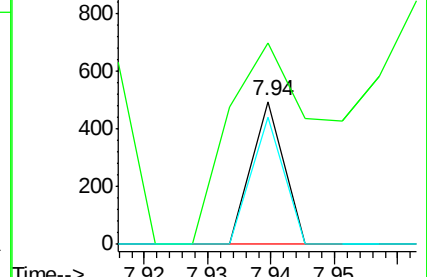
65 88.7 33.0 49.6#



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



#32

Benzoic acid

Concen: 8.84 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.16 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

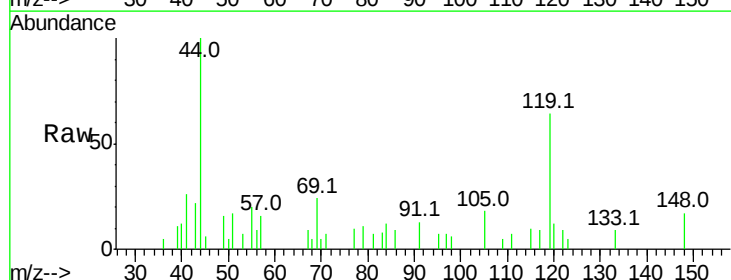
Tgt Ion:122 Resp: 540

Ion Ratio Lower Upper

122 100

105 204.3 103.3 143.3#

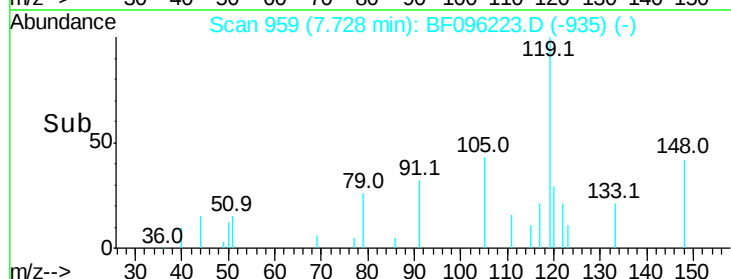
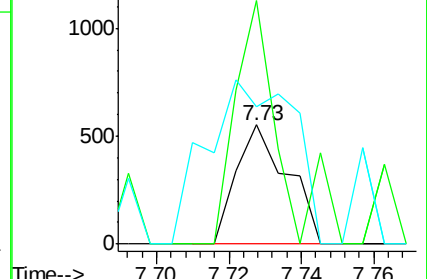
77 115.2 73.7 113.7#

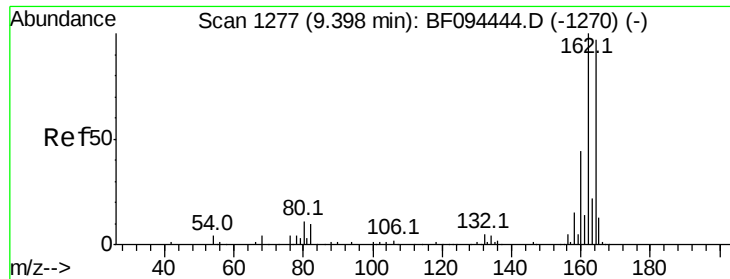


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

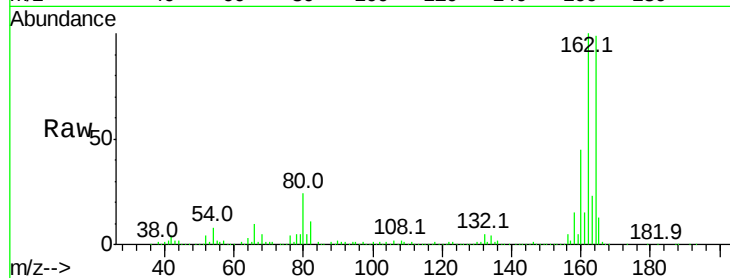




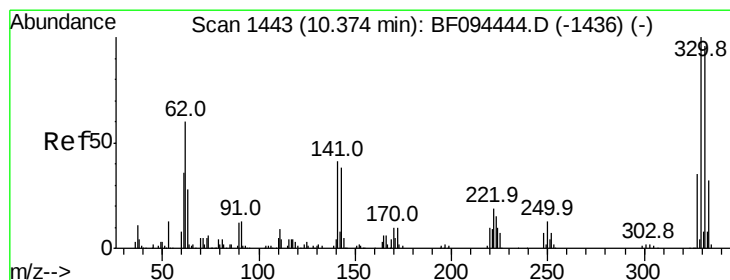
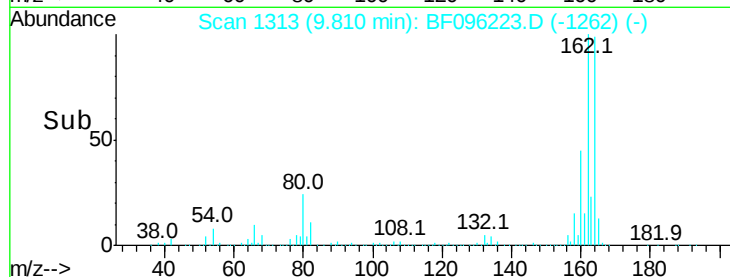
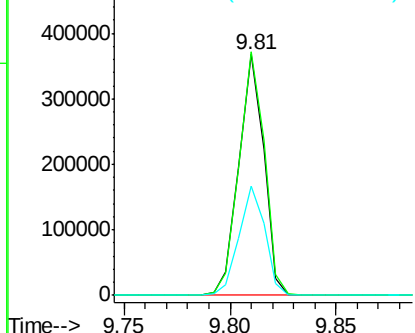
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: BF096223.D
 Acq: 27 Jun 2017 18:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 301083
 Ion Ratio Lower Upper
 164 100
 162 101.1 82.6 123.8
 160 45.5 36.2 54.2

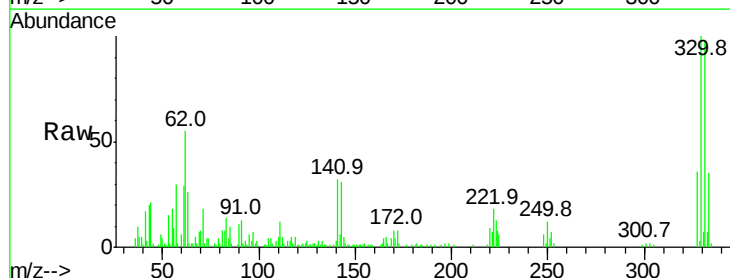


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

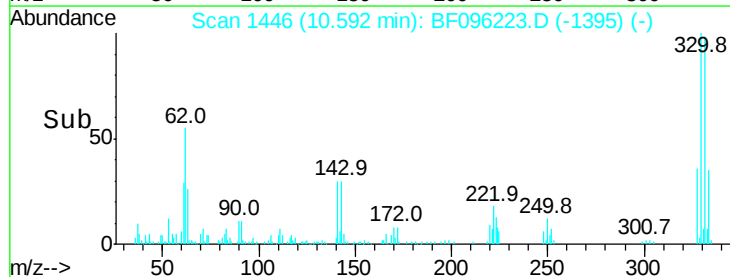
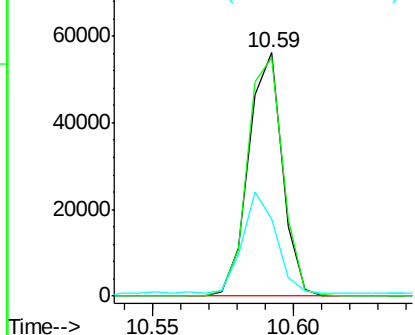


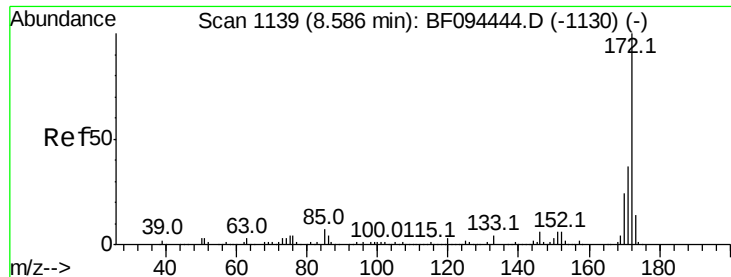
#41
 2,4,6-Tribromophenol
 Concen: 19.64 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096223.D
 Acq: 27 Jun 2017 18:30

Tgt Ion:330 Resp: 46543
 Ion Ratio Lower Upper
 330 100
 332 103.0 76.6 115.0
 141 43.7 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

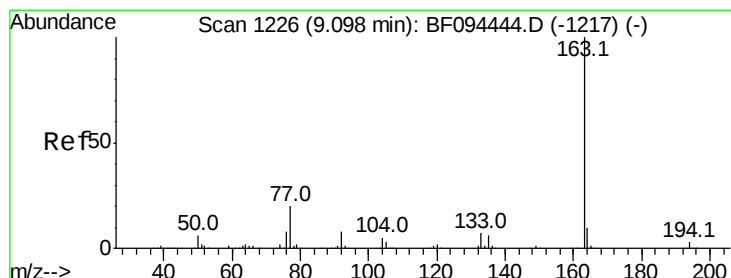
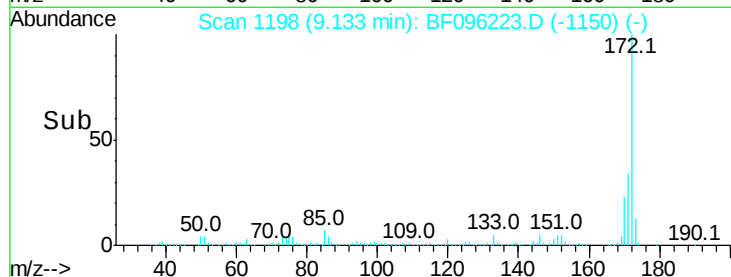
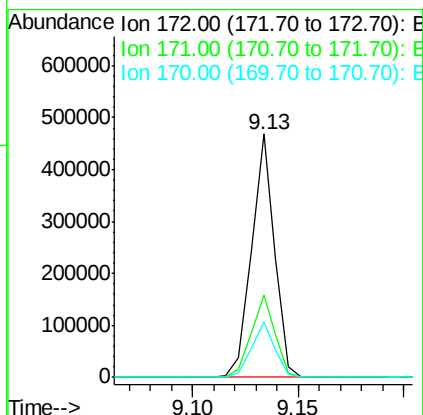
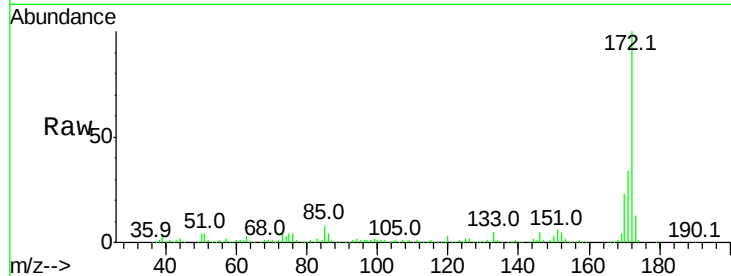




#44
2-Fluorobiphenyl
Concen: 21.46 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF096223.D
Acq: 27 Jun 2017 18:30

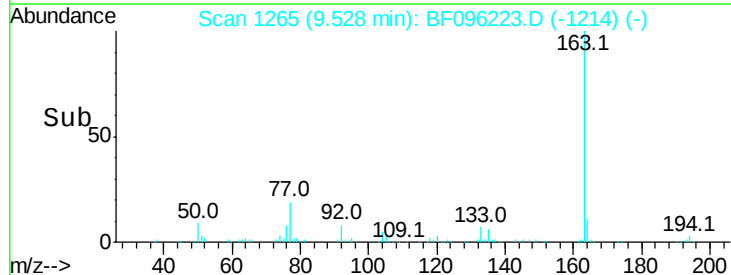
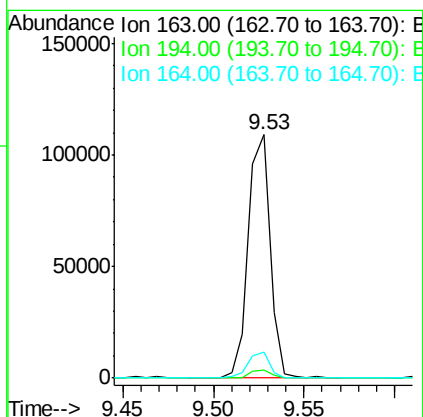
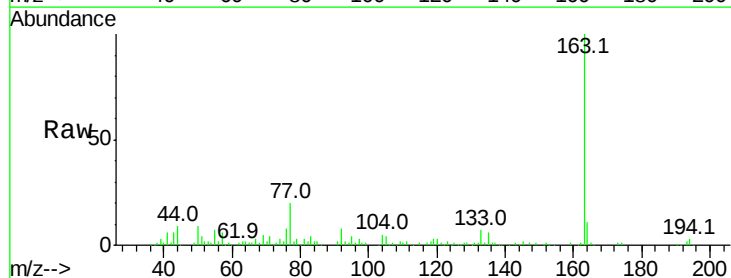
Instrument :
BNA_F
ClientSampleId :

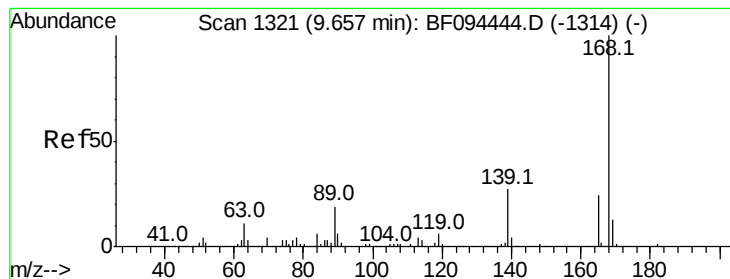
Tot Ion:172 Resp: 352853
Ion Ratio Lower Upper
172 100
171 33.8 29.6 44.4
170 22.7 19.8 29.8



#49
Dimethylphthalate
Concen: 4.27 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096223.D
Acq: 27 Jun 2017 18:30

Tgt Ion:163 Resp: 92063
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.9 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.93 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.20 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 39125

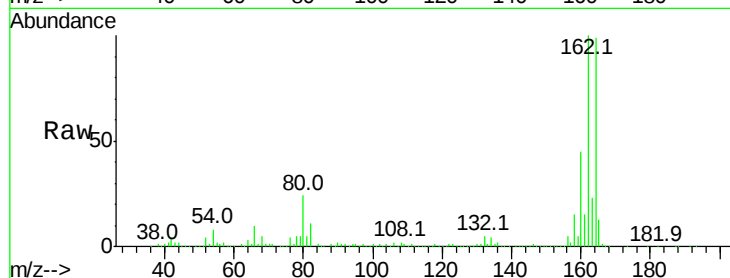
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 2.2 46.4 69.6#

182 1.8 1.8 2.6

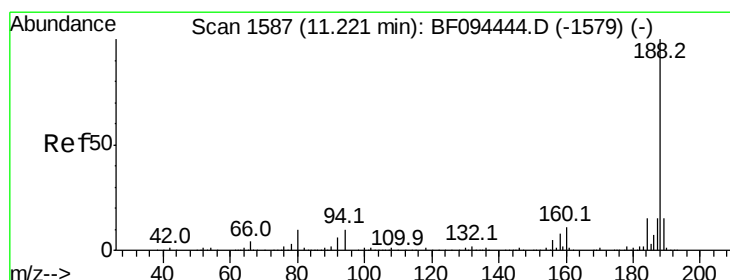
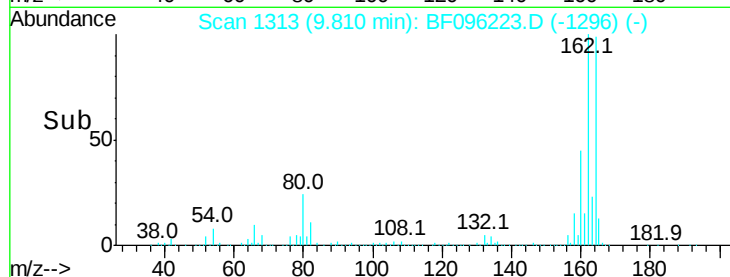
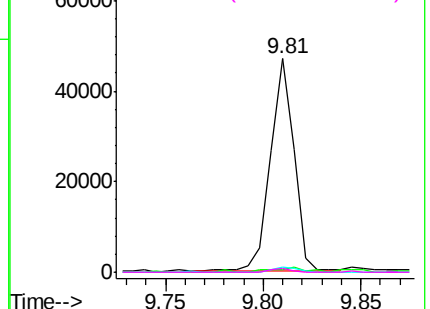


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

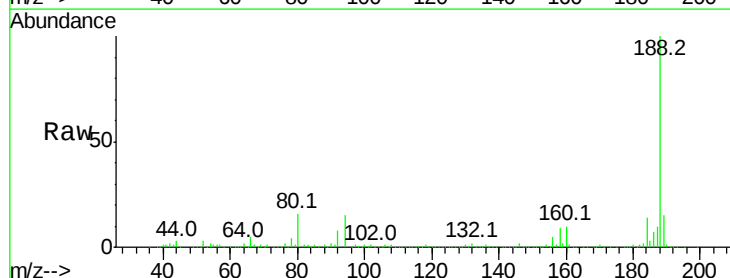
Tgt Ion:188 Resp: 399616

Ion Ratio Lower Upper

188 100

94 14.5 9.4 14.2#

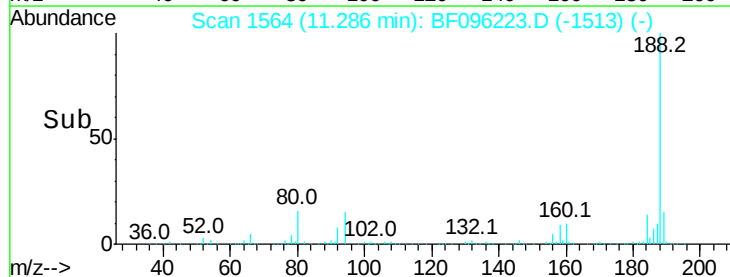
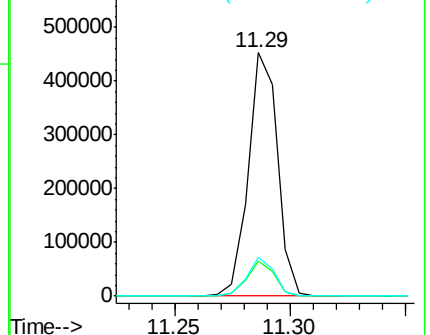
80 15.8 10.2 15.2#

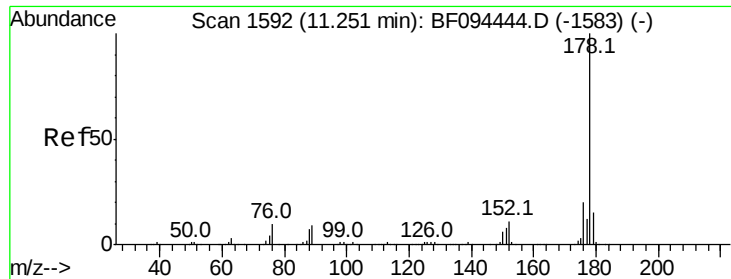


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: Below Cal

RT: 11.36 min Scan# 1577

Delta R.T. 0.04 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

Instrument :

BNA_F

ClientSampled :

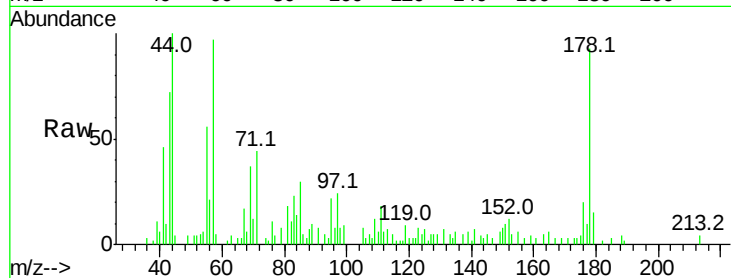
Tot Ion:178 Resp: 9949

Ion Ratio Lower Upper

178 100

176 21.5 16.2 24.4

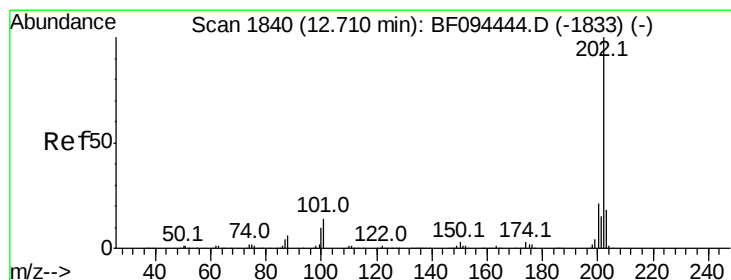
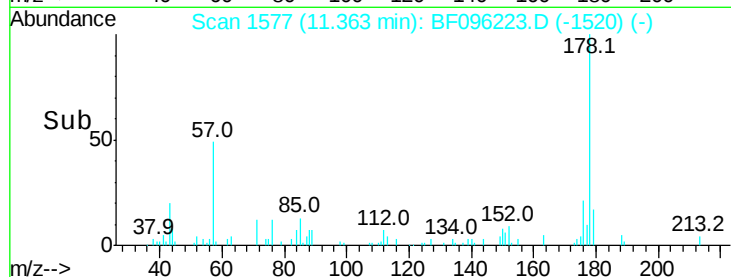
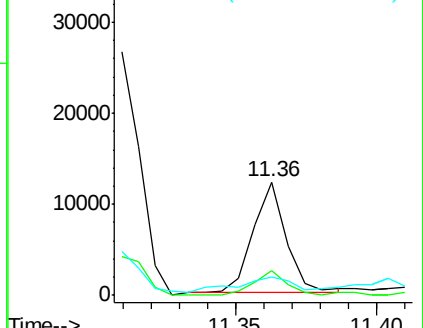
179 16.6 12.6 19.0



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: 2.25 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

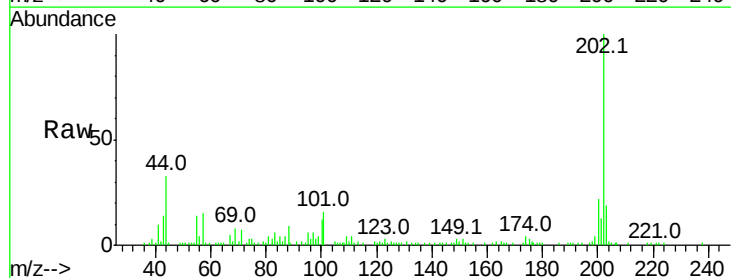
Tgt Ion:202 Resp: 49931

Ion Ratio Lower Upper

202 100

101 15.8 0.0 33.2

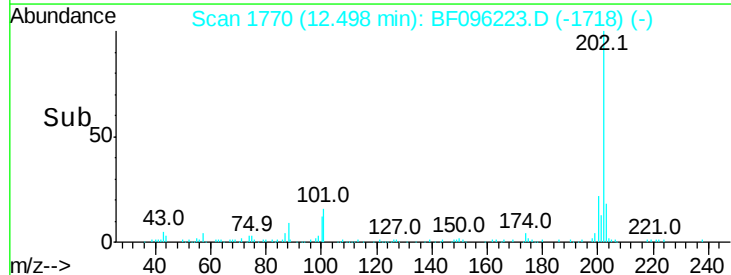
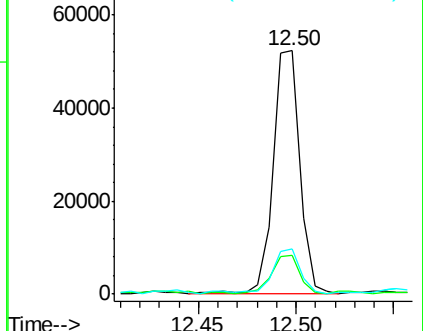
203 18.5 0.0 38.1

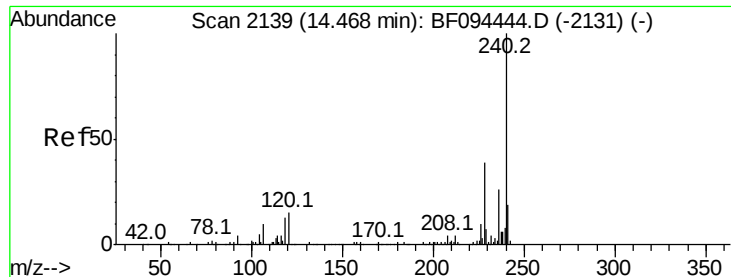


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

Instrument :

BNA_F

ClientSampled :

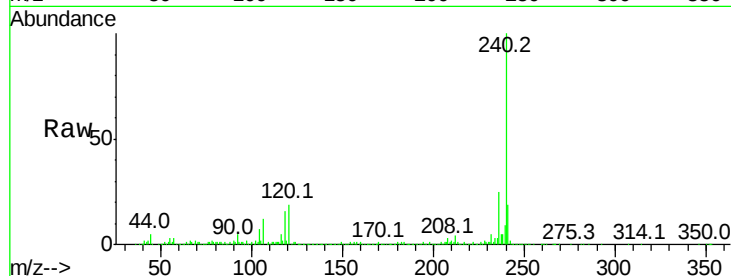
Tot Ion:240 Resp: 330194

Ion Ratio Lower Upper

240 100

120 19.3 5.8 8.8#

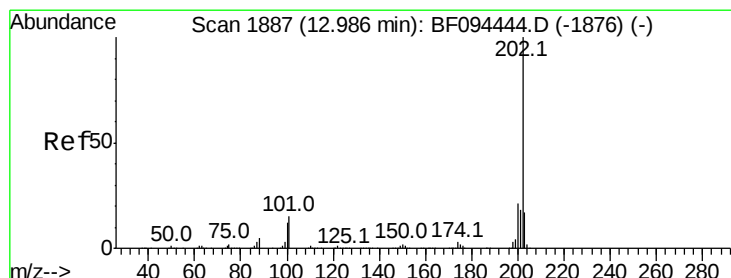
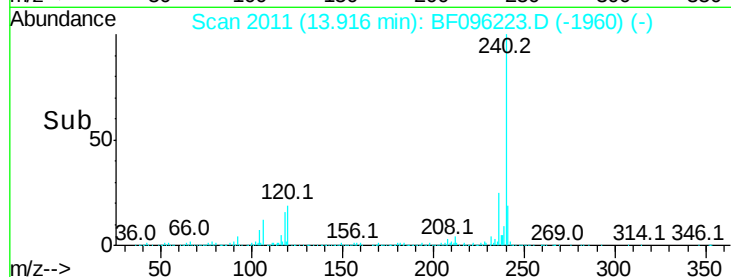
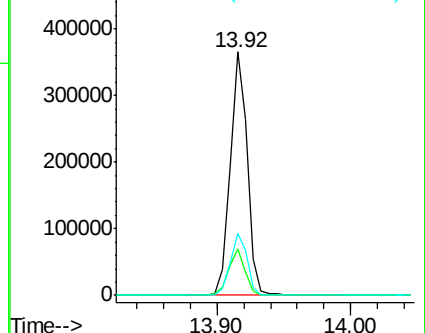
236 25.4 20.5 30.7



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: 2.09 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

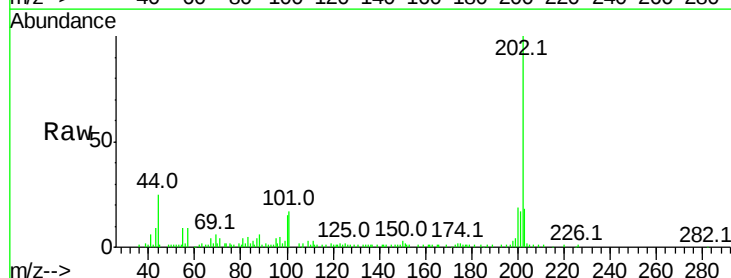
Tgt Ion:202 Resp: 56617

Ion Ratio Lower Upper

202 100

200 19.3 17.6 26.4

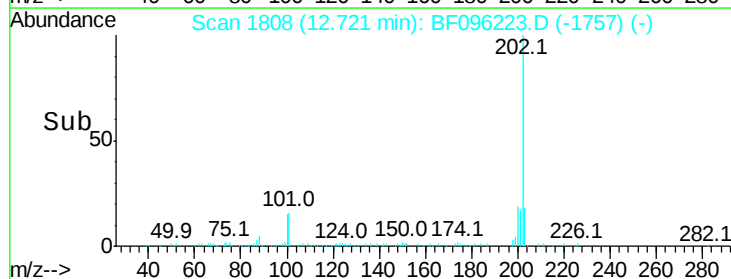
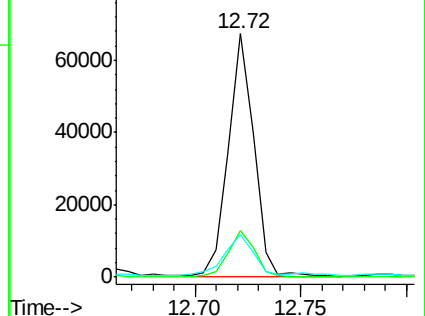
203 17.6 14.4 21.6

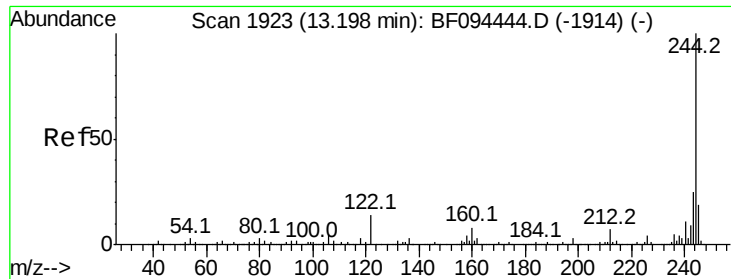


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.01 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

Instrument :

BNA_F

ClientSampleId :

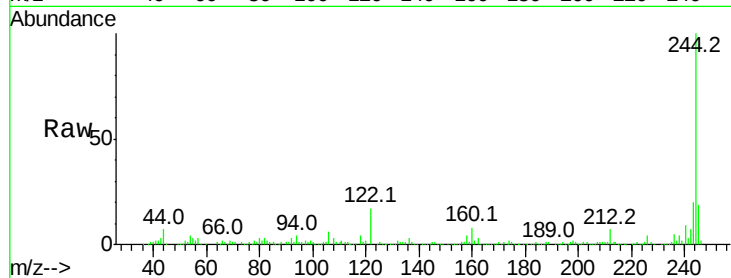
Tot Ion:244 Resp: 185430

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

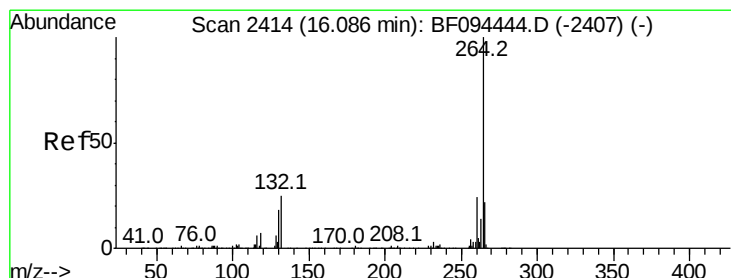
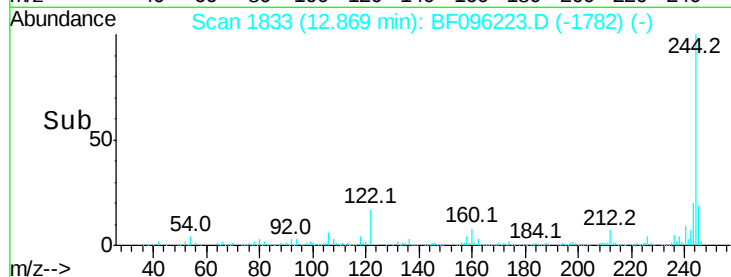
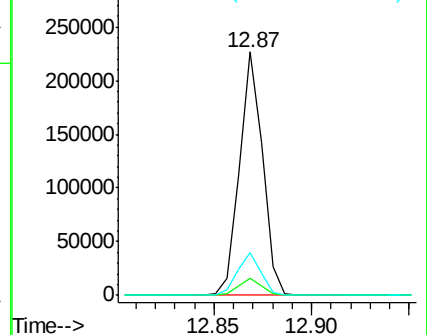
122 17.4 10.3 15.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 2253

Delta R.T. -0.00 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

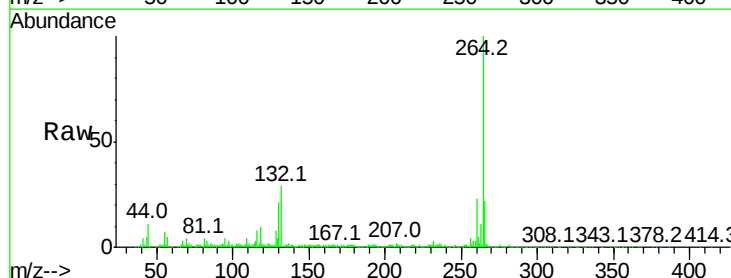
Tgt Ion:264 Resp: 270240

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

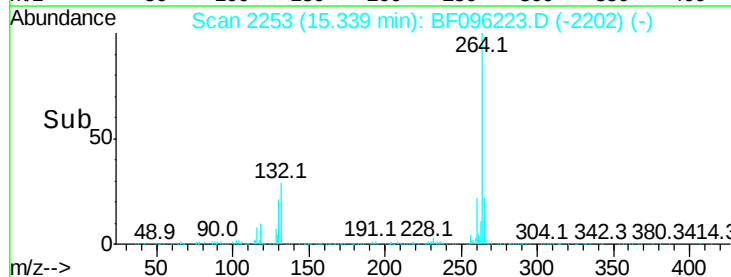
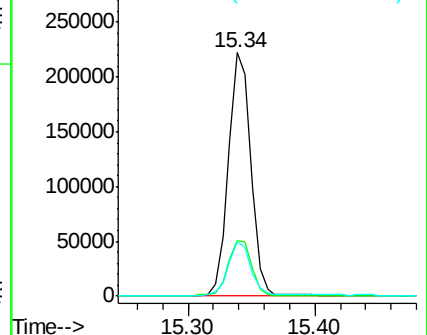
265 22.0 17.2 25.8

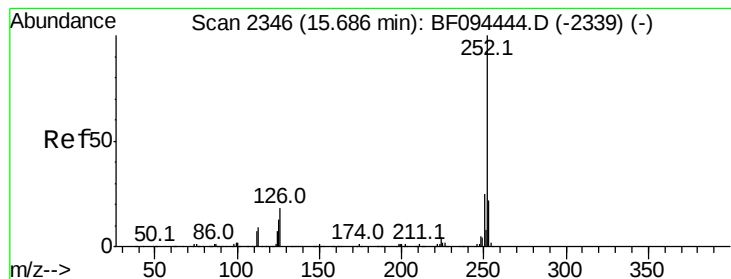


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.35 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

Instrument :

BNA_F

ClientSampleId :

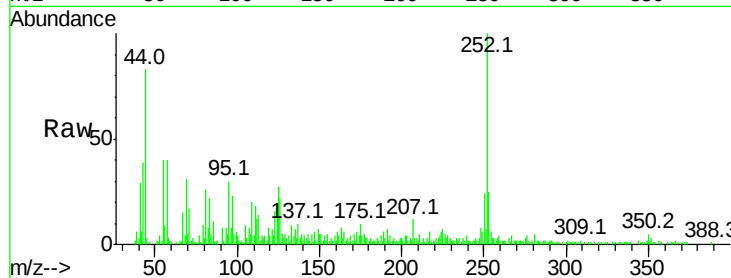
Tot Ion:252 Resp: 59514

Ion Ratio Lower Upper

252 100

253 25.2 18.1 27.1

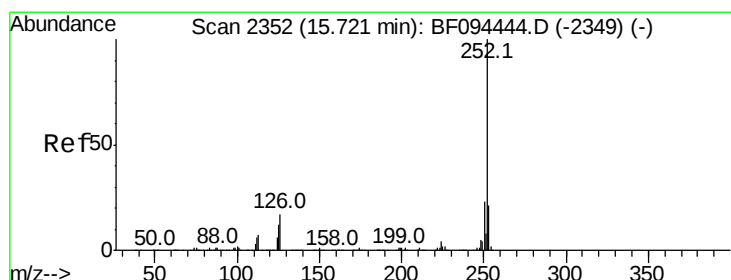
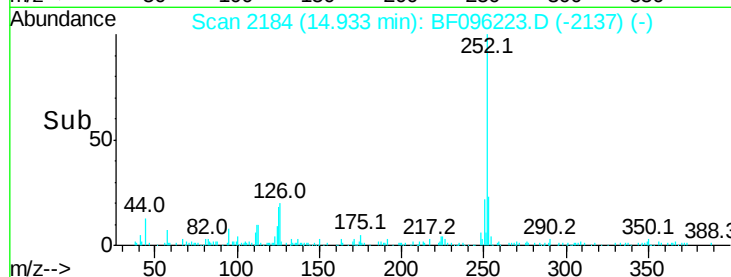
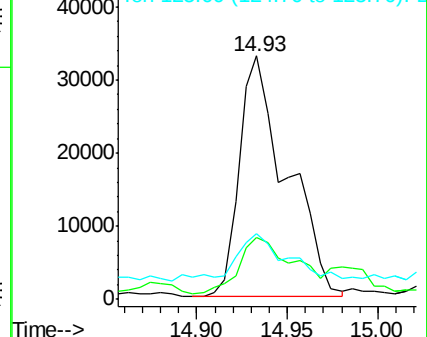
125 27.1 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 3.67 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096223.D

Acq: 27 Jun 2017 18:30

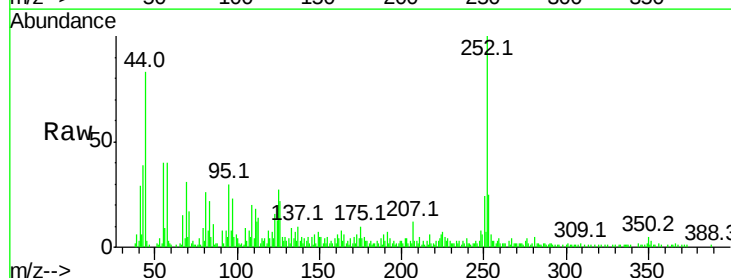
Tgt Ion:252 Resp: 59514

Ion Ratio Lower Upper

252 100

253 25.2 18.4 27.6

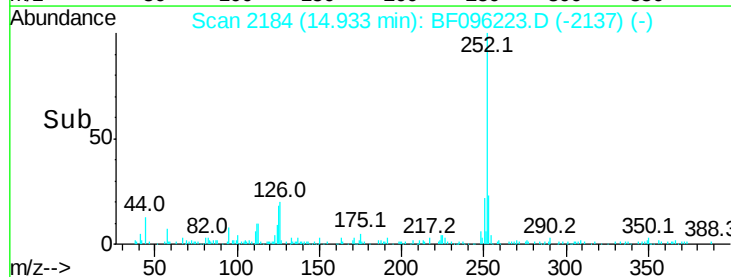
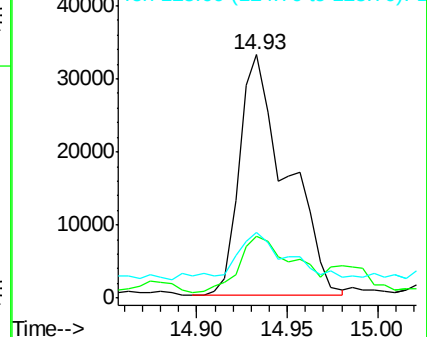
125 27.1 13.1 19.7#

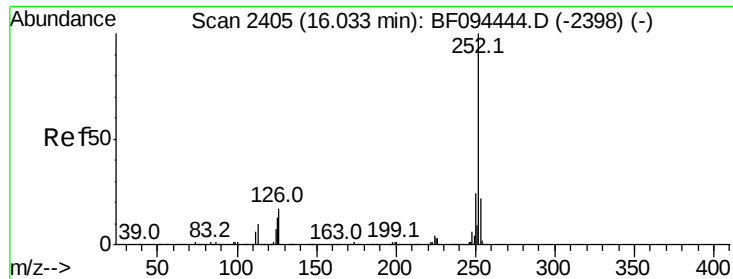


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

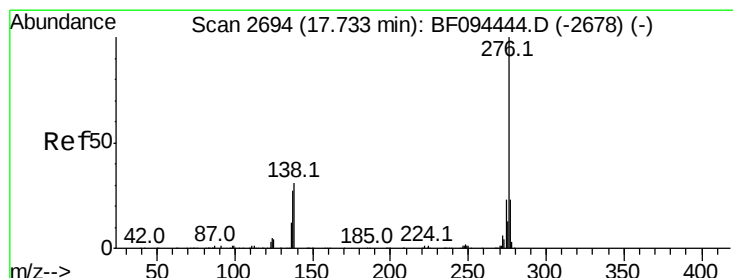
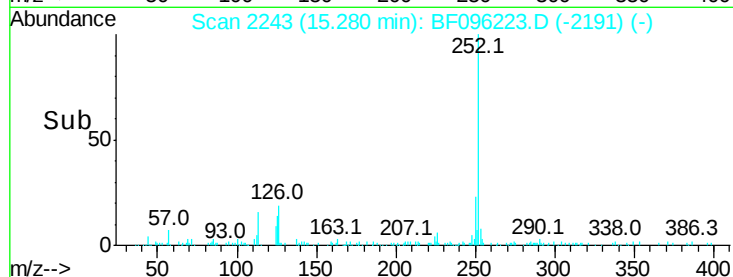
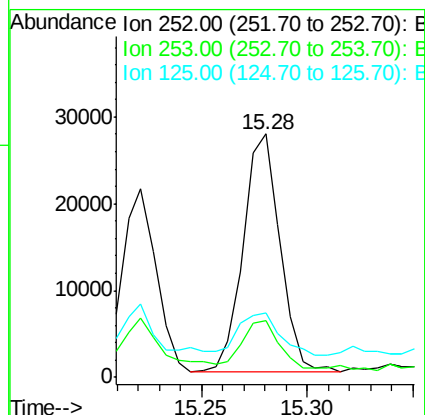
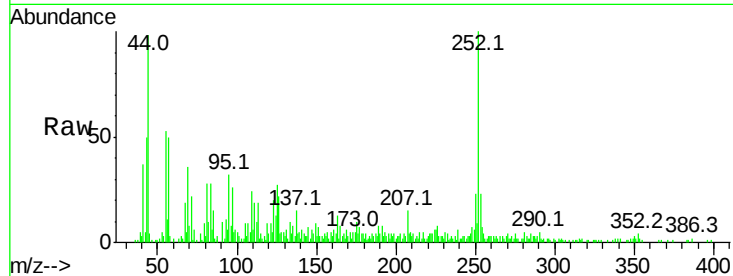




#89
Benzo(a)pyrene
Concen: 2.13 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF096223.D
Acq: 27 Jun 2017 18:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 33350
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 26.6 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.11 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.01 min
Lab File: BF096223.D
Acq: 27 Jun 2017 18:30

Tgt Ion:276 Resp: 26949
Ion Ratio Lower Upper
276 100
277 21.2 18.6 28.0
138 39.0 25.4 38.0#

