

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
 Data File : BF096221.D
 Acq On : 27 Jun 2017 17:34
 Operator : SJ/MA
 Sample : I3868-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 27 19:06:33 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	191503	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	803645	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	319045	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	434065	20.00	ng	0.00
75) Chrysene-d12	13.92	240	334947	20.00	ng	0.00
86) Perylene-d12	15.34	264	324228	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	307294	23.12	ng	0.00
7) Phenol-d6	6.40	99	377494	23.45	ng	0.00
23) Nitrobenzene-d5	7.33	82	195011	16.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	48648	19.38	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	353921	20.32	ng	-0.02
78) Terphenyl-d14	12.87	244	184315	13.73	ng	0.00

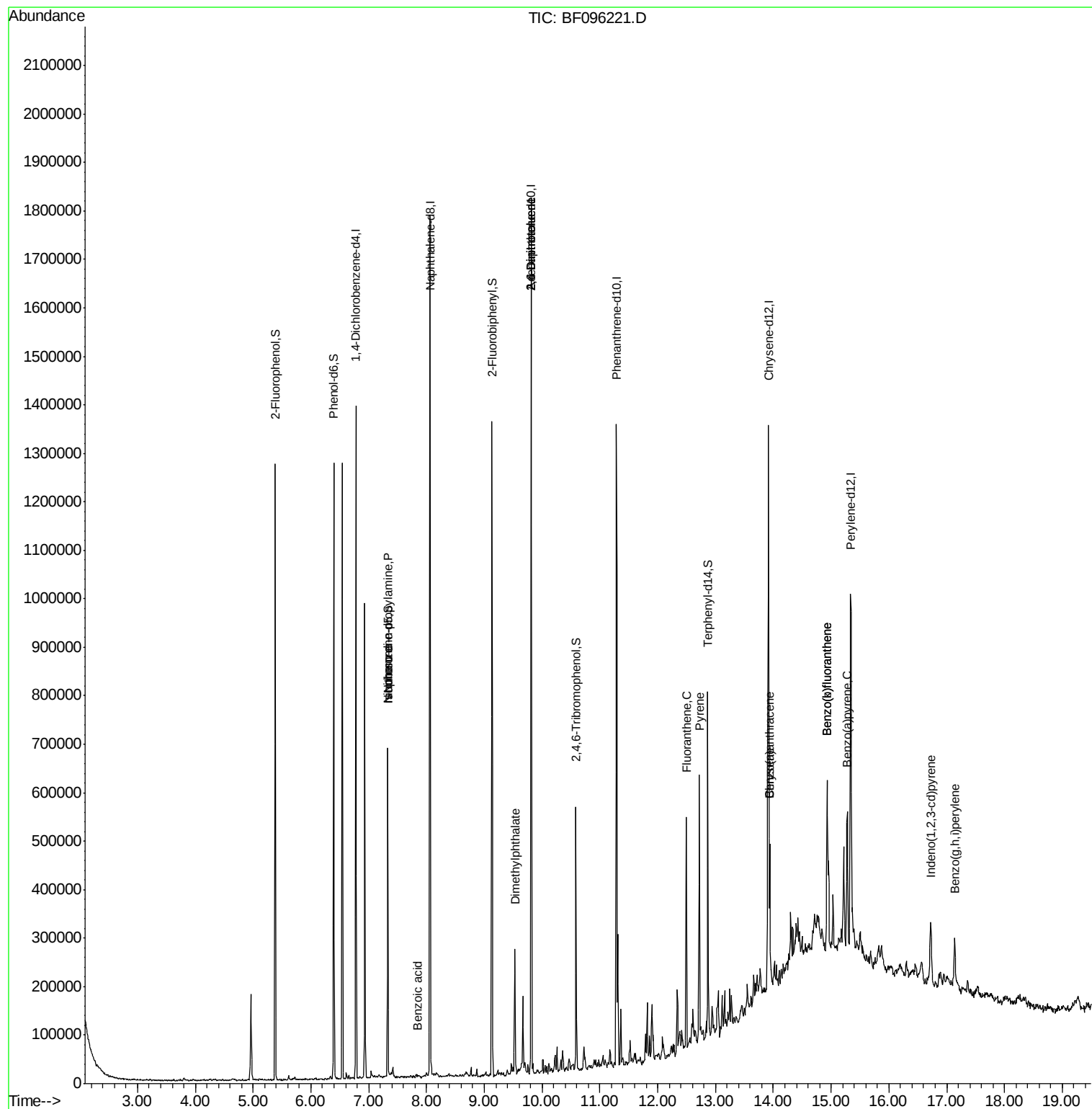
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	731	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.33	70	24937	2.59	ng	85
25) Isophorone	7.33	82	194810	7.39	ng	67
32) Benzoic acid	7.83	122	111	8.80	ng	1
49) Dimethylphthalate	9.53	163	86145	3.77	ng	98
50) 2,6-Dinitrotoluene	9.81	165	40307	8.49	ng	34
56) 2,4-Dinitrotoluene	9.81	165	40307	6.73	ng	33
70) Phenanthrene	11.31	178	87046	Below Cal		98
74) Fluoranthene	12.50	202	184685	7.66	ng	96
77) Pyrene	12.72	202	195437	7.10	ng	99
80) Benzo(a)anthracene	13.94	228	111324	5.45	ng	96
82) Chrysene	13.94	228	111324	5.27	ng	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	71734	4.09	ng	96
87) Benzo(b)fluoranthene	14.93	252	230409	10.82	ng	95
88) Benzo(k)fluoranthene	14.93	252	230409	11.85	ng	100
89) Benzo(a)pyrene	15.28	252	121117	6.44	ng	95
91) Benzo(a,h,i)perylene	17.14	276	73300	4.79	ng	94

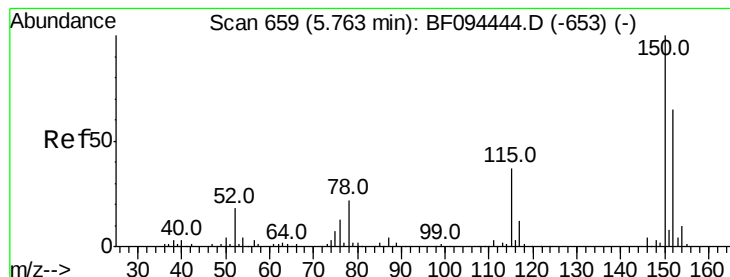
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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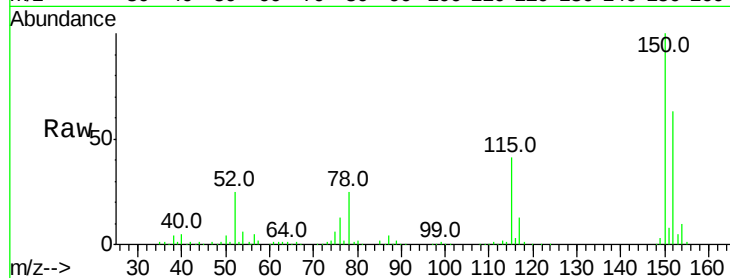


#1

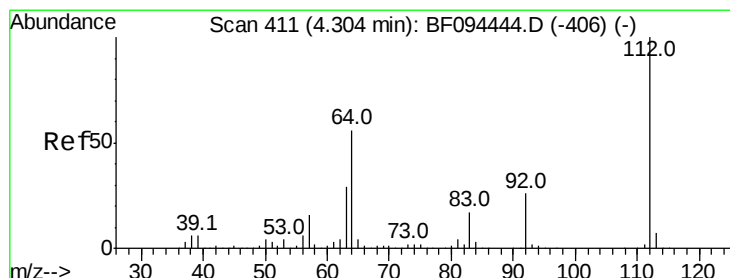
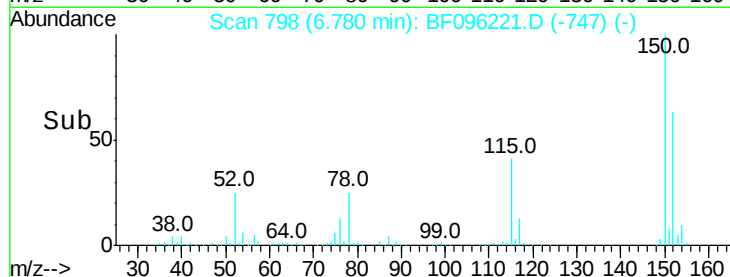
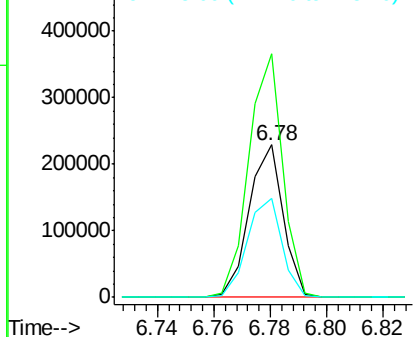
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 191503
Ion Ratio Lower Upper
152 100
150 159.8 126.2 189.2
115 64.9 52.2 78.2



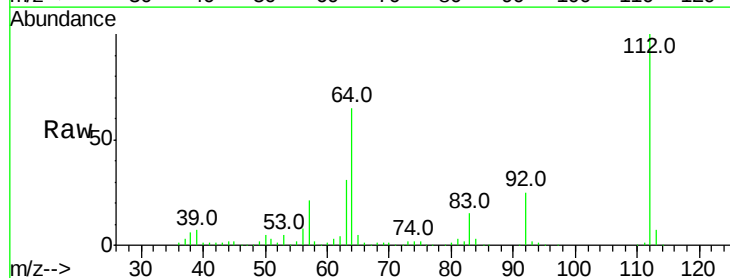
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



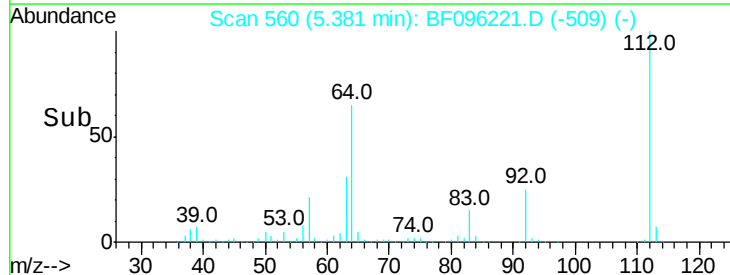
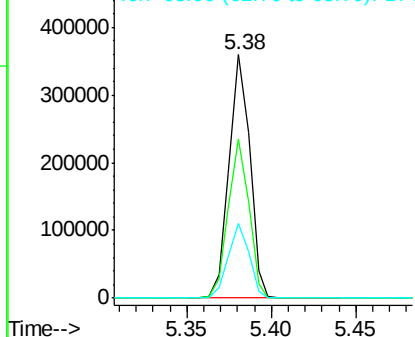
#5

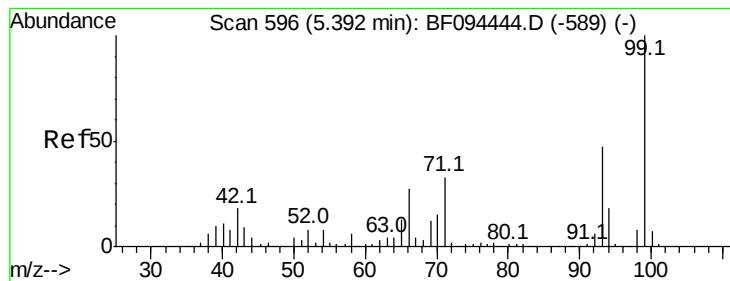
2-Fluorophenol
Concen: 23.12 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Tgt Ion:112 Resp: 307294
Ion Ratio Lower Upper
112 100
64 65.3 46.0 69.0
63 30.8 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: 23.45 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

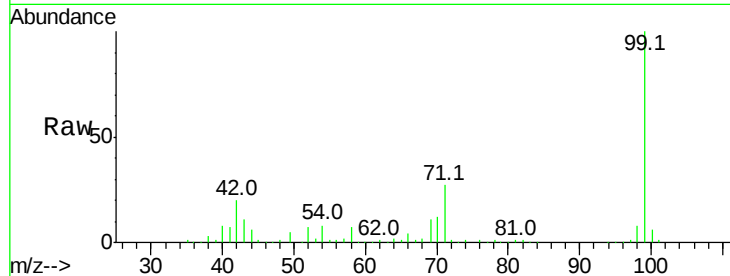
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 377494

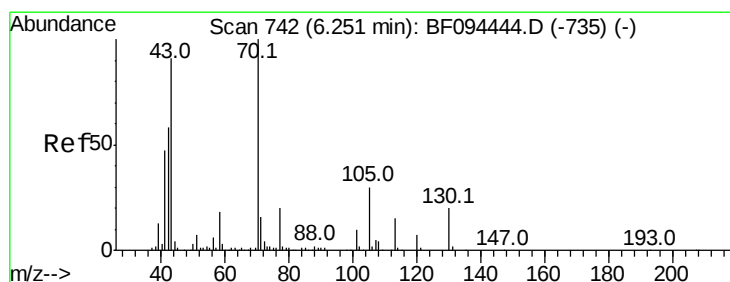
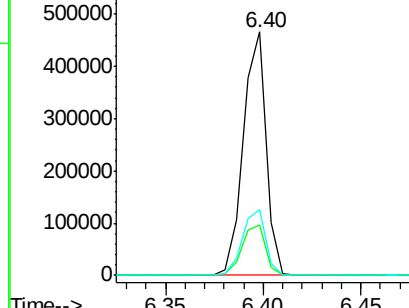
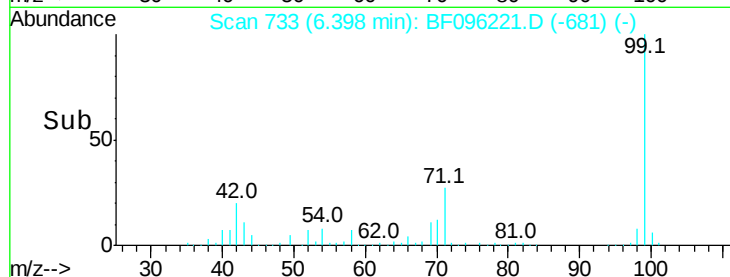
Ion	Ratio	Lower	Upper
99	100		
42	20.5	13.5	20.3#
71	26.8	24.5	36.7



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: 2.59 ng

RT: 7.33 min Scan# 891

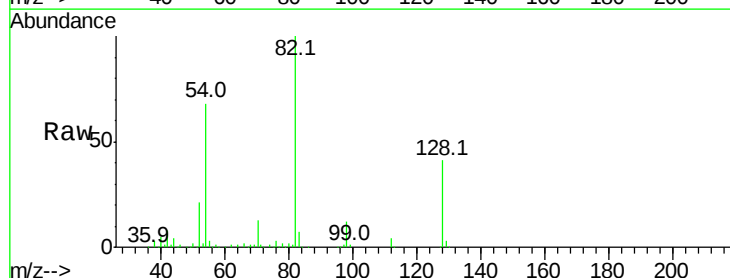
Delta R.T. 0.15 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Tgt Ion: 70 Resp: 24937

Ion	Ratio	Lower	Upper
70	100		
42	63.5	47.2	70.8
101	0.0	7.2	10.8#
130	3.0	15.9	23.9#

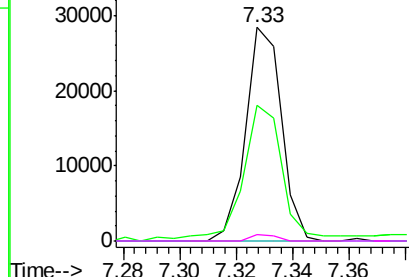
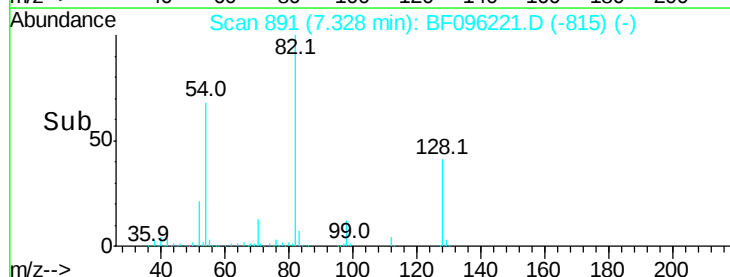


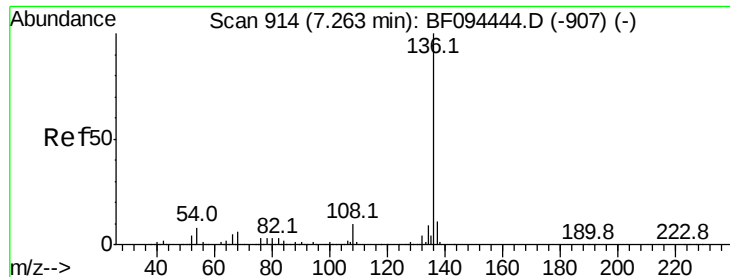
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 803645

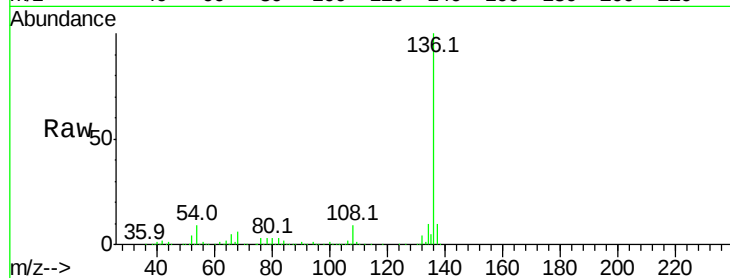
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 9.4 4.9 7.3#

68 6.0 4.1 6.1

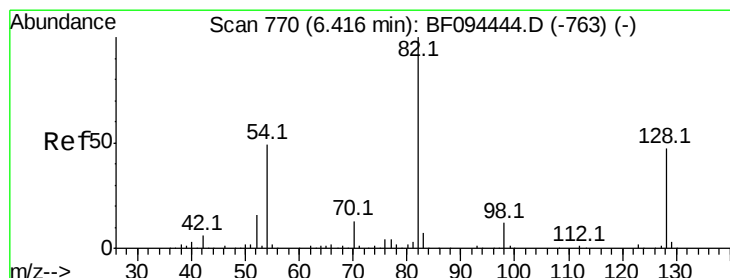
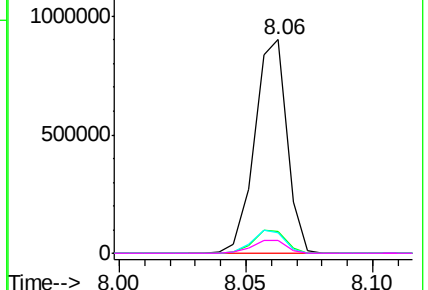
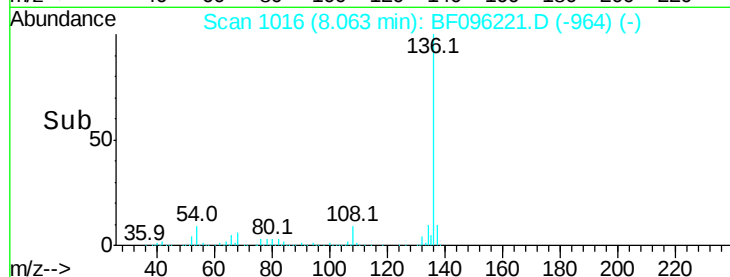


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.80 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

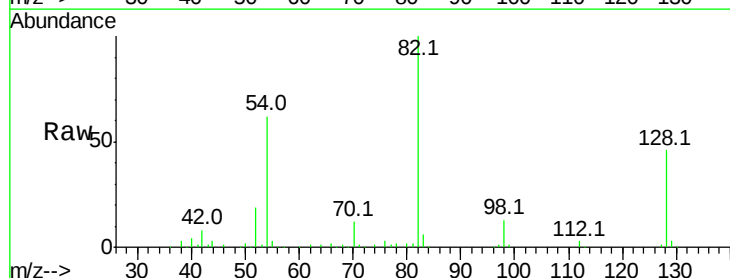
Tgt Ion: 82 Resp: 195011

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

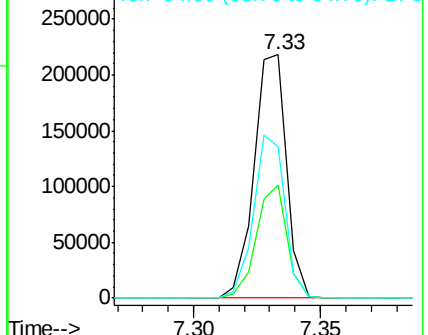
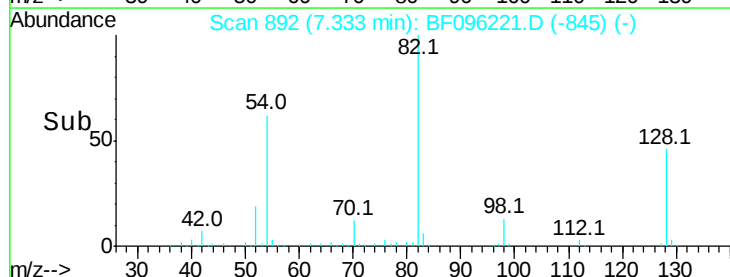
54 62.2 42.2 63.2

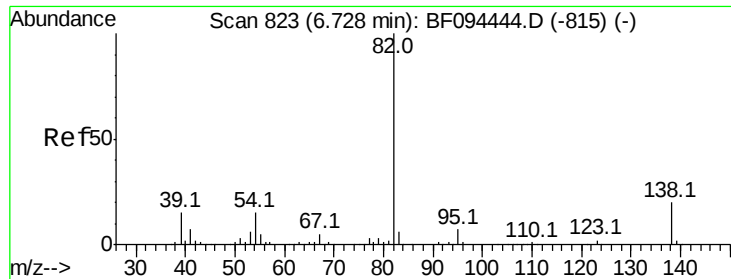


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.39 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :
BNA_F
ClientSampleId :

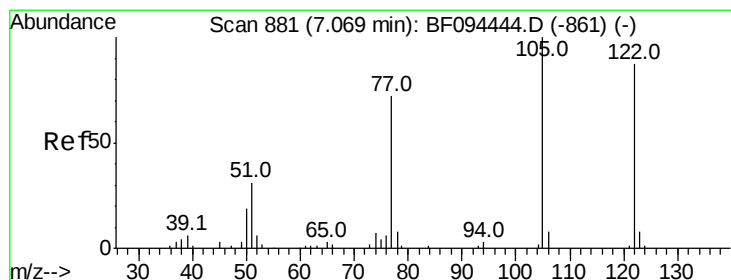
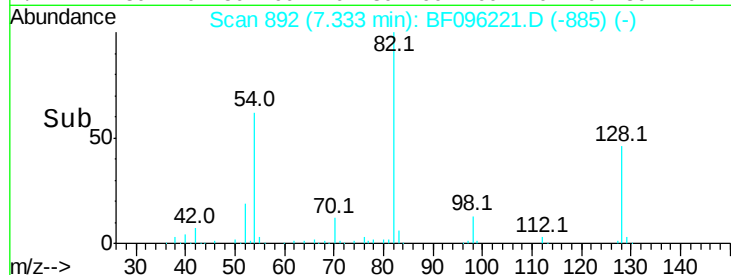
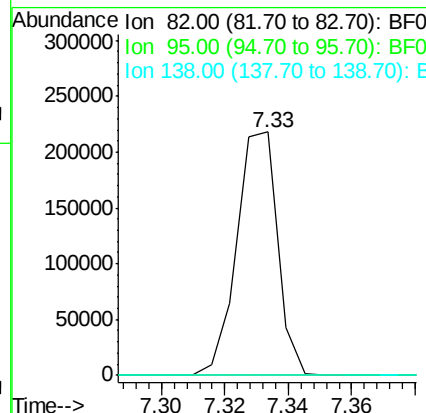
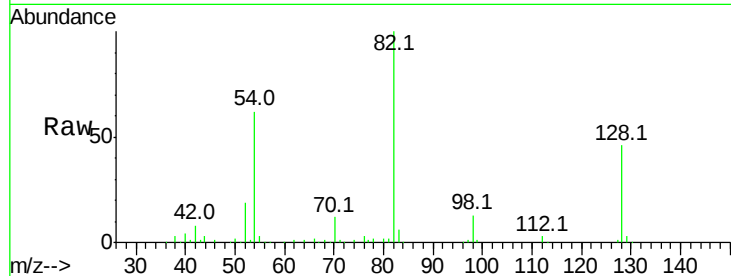
Tot Ion: 82 Resp: 194810

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 8.80 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

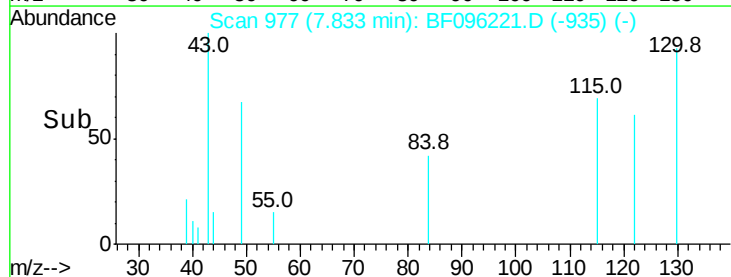
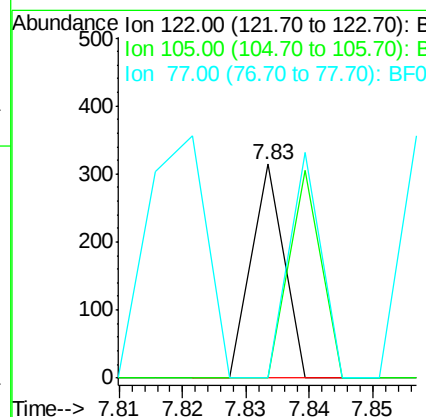
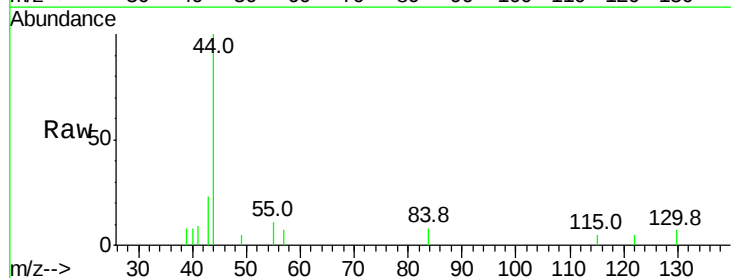
Tgt Ion:122 Resp: 111

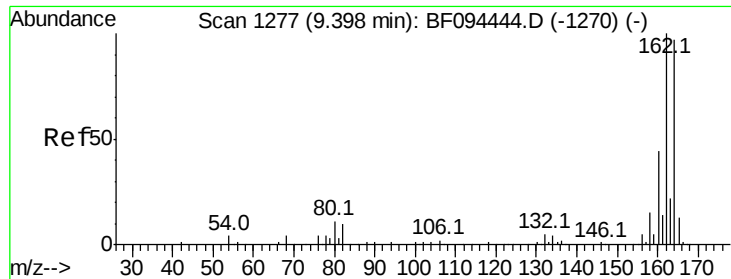
Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 0.0 73.7 113.7#

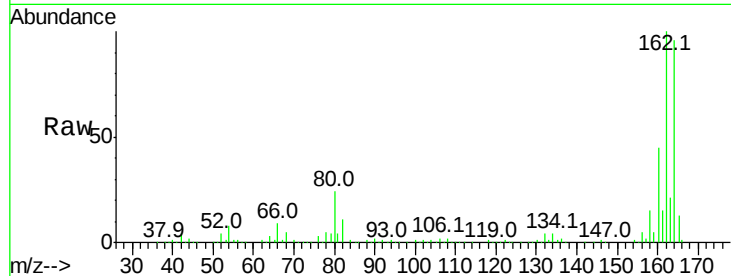




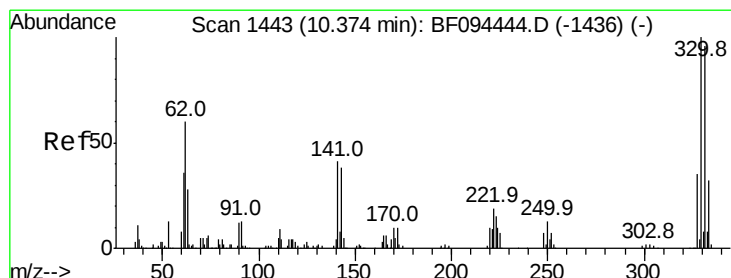
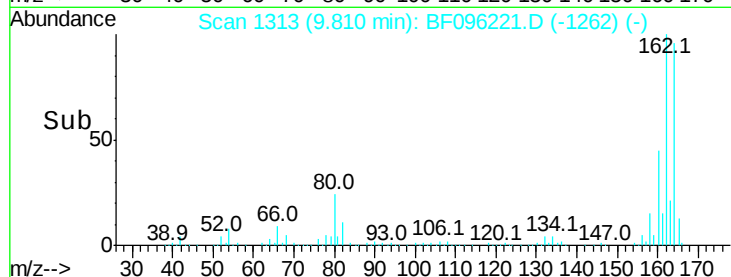
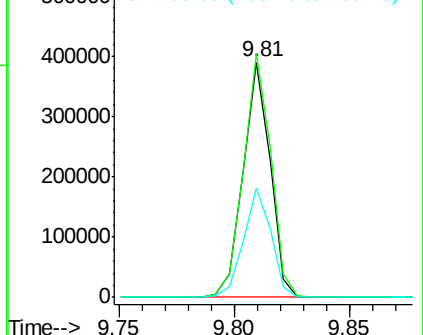
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: BF096221.D
 Acq: 27 Jun 2017 17:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 319045
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.6 123.8
 160 46.4 36.2 54.2

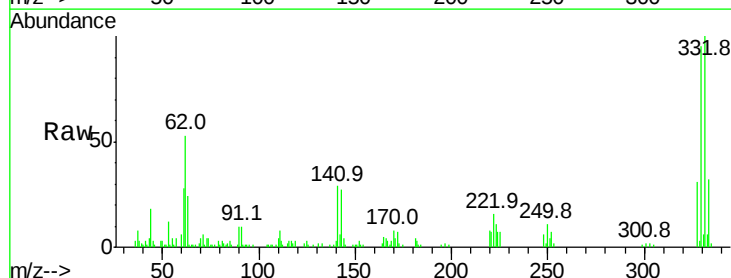


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

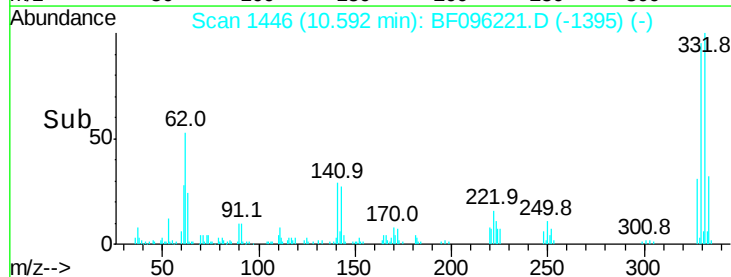
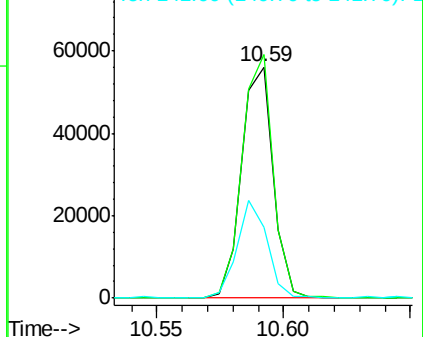


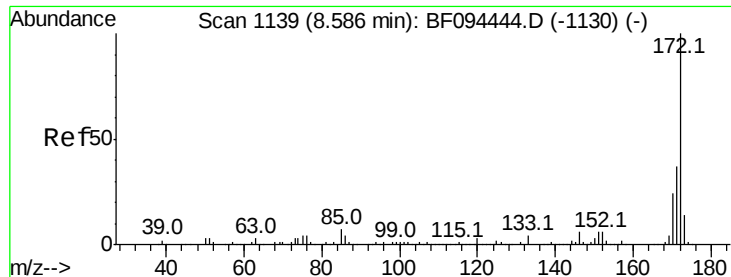
#41
 2,4,6-Tribromophenol
 Concen: 19.38 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096221.D
 Acq: 27 Jun 2017 17:34

Tgt Ion:330 Resp: 48648
 Ion Ratio Lower Upper
 330 100
 332 103.1 76.6 115.0
 141 40.3 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

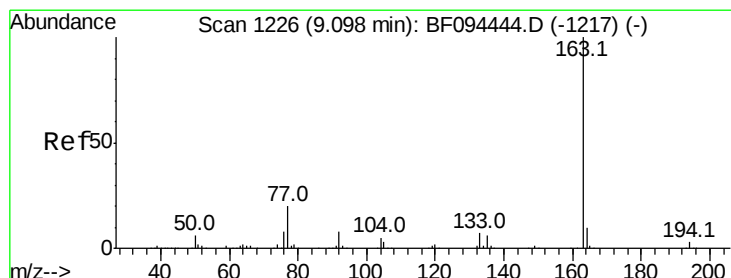
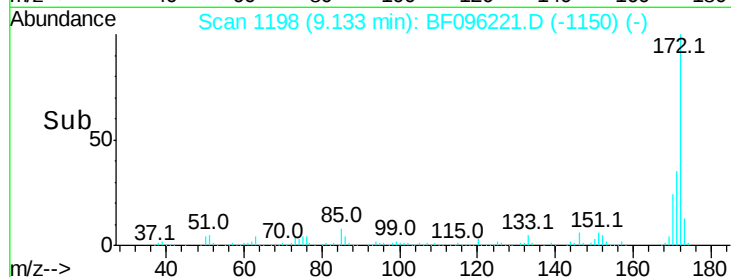
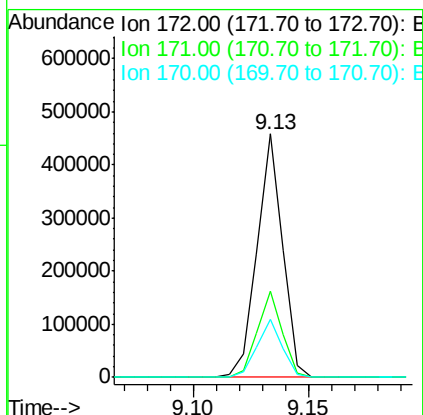
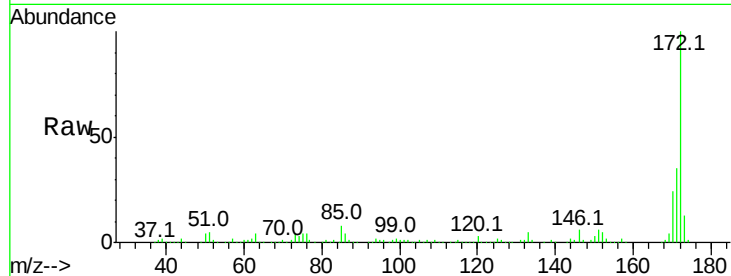




#44
2-Fluorobiphenyl
Concen: 20.32 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

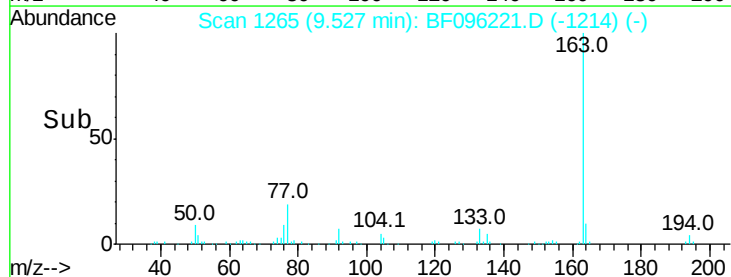
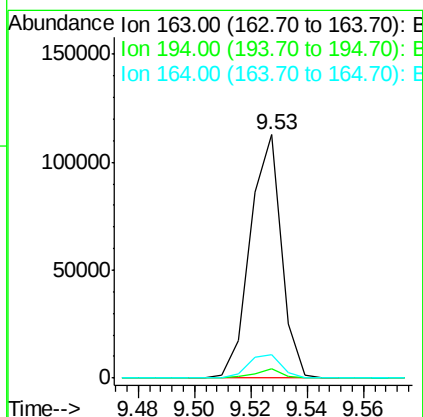
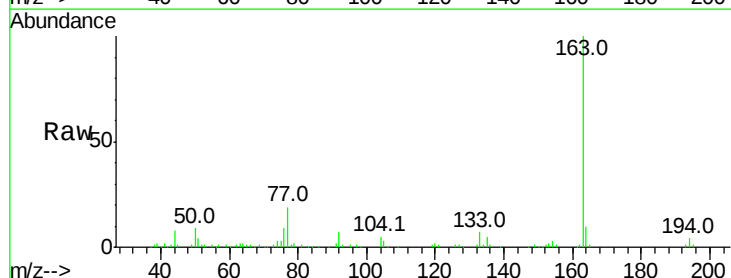
Instrument :
BNA_F
ClientSampleId :

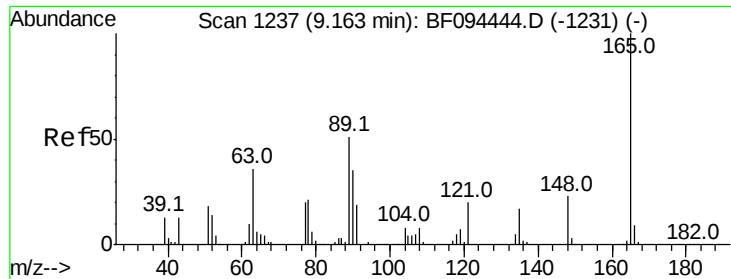
Tot Ion:172 Resp: 353921
Ion Ratio Lower Upper
172 100
171 35.3 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 3.77 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096221.D
Acq: 27 Jun 2017 17:34

Tgt Ion:163 Resp: 86145
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.6 8.4 12.6

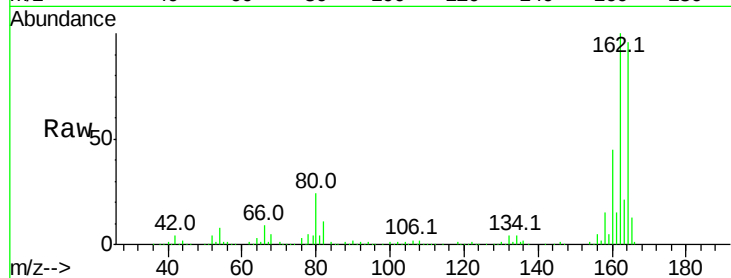




#50
 2,6-Dinitrotoluene
 Concen: 8.49 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF096221.D
 Acq: 27 Jun 2017 17:34

Instrument :
 BNA_F
 ClientSampleId :

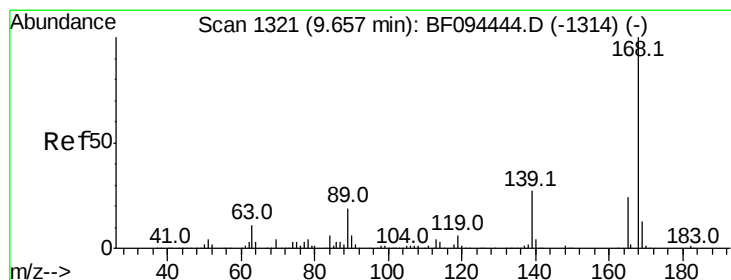
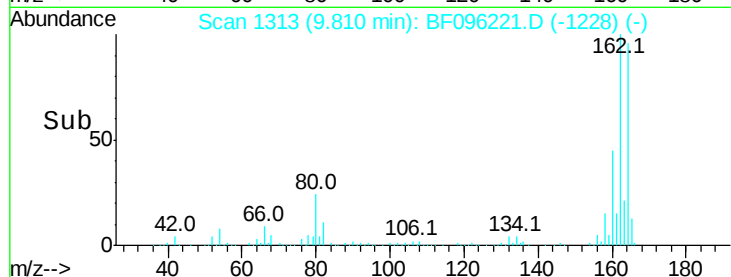
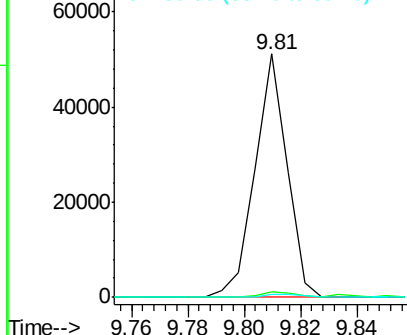
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	34.3	51.5#
89	1.2	37.1	55.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.73 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.20 min
 Lab File: BF096221.D
 Acq: 27 Jun 2017 17:34

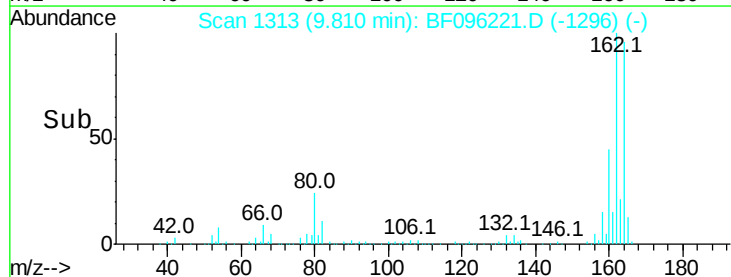
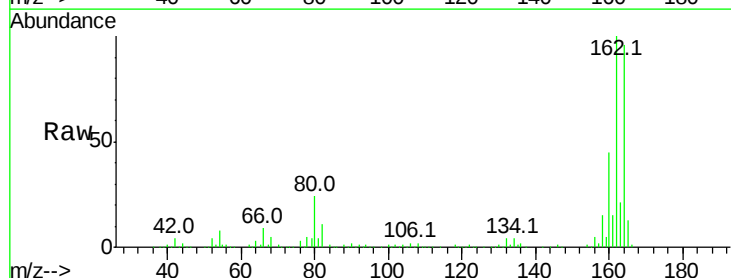
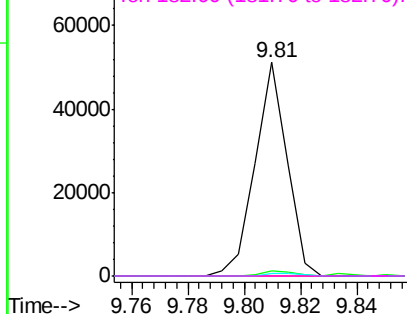
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#

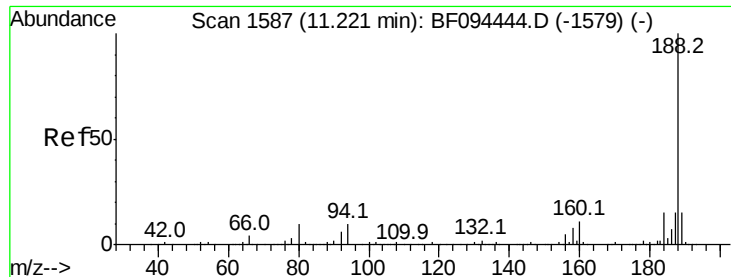
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

ClientSampleId :

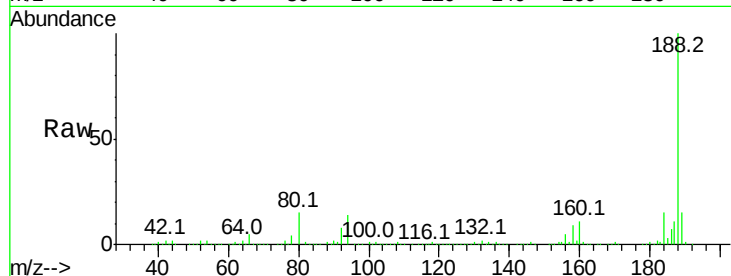
Tot Ion:188 Resp: 434065

Ion Ratio Lower Upper

188 100

94 14.5 9.4 14.2#

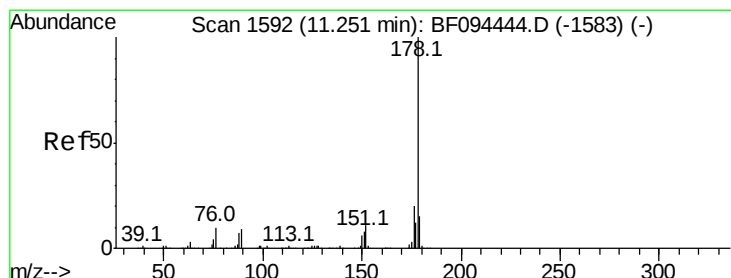
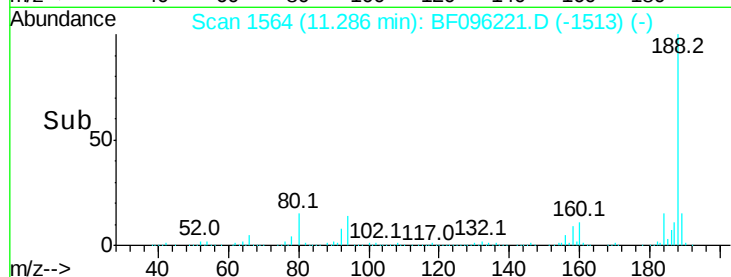
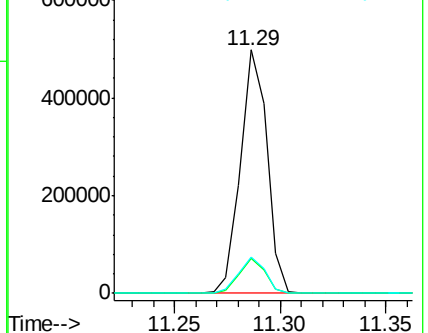
80 15.1 10.2 15.2



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: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

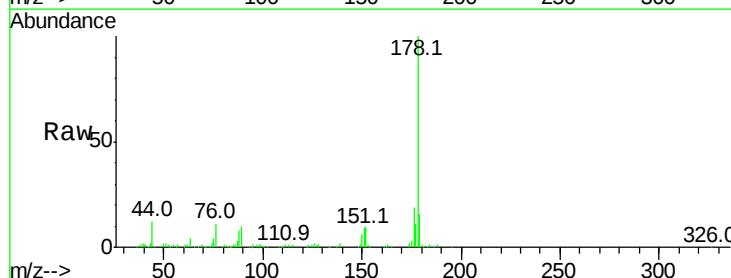
Tgt Ion:178 Resp: 87046

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

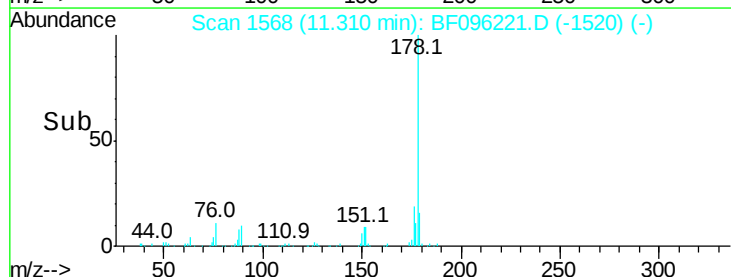
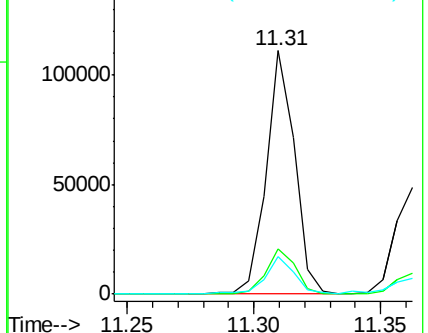
179 15.5 12.6 19.0

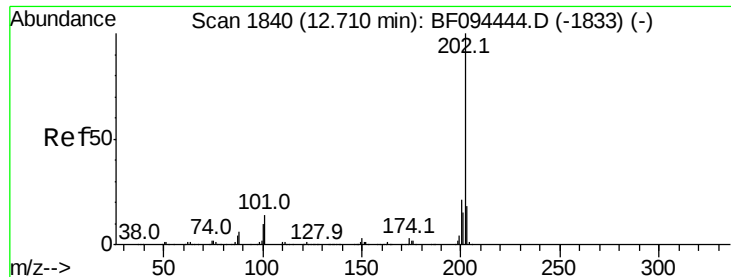


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.66 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

ClientSampled :

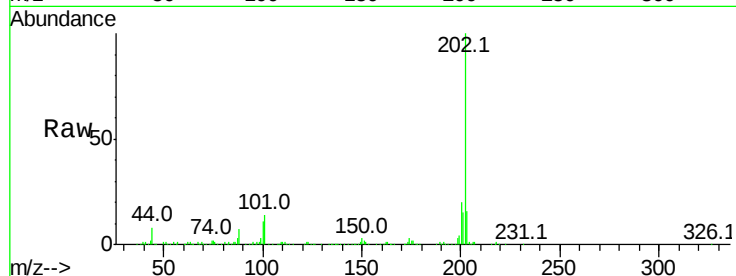
Tot Ion:202 Resp: 184685

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.2

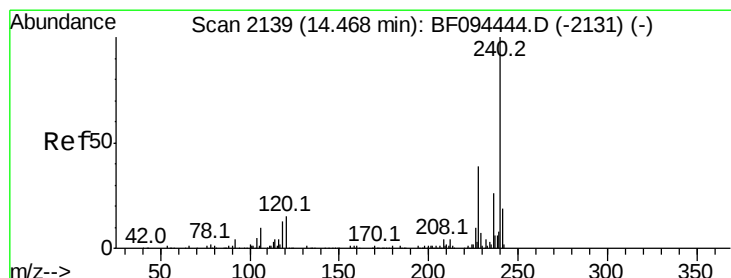
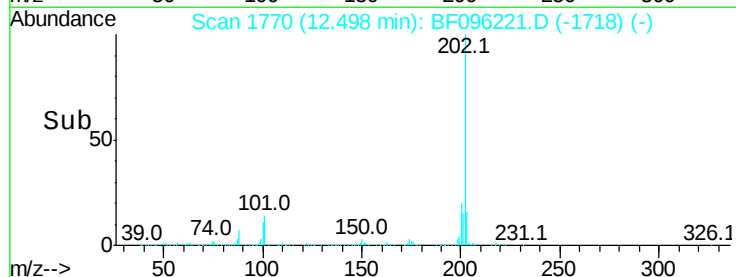
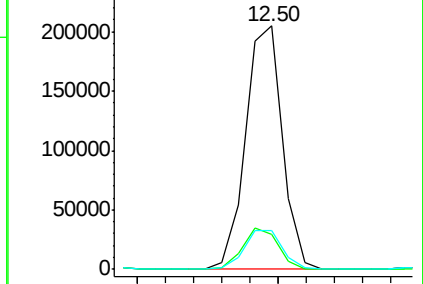
203 16.0 0.0 38.1



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: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

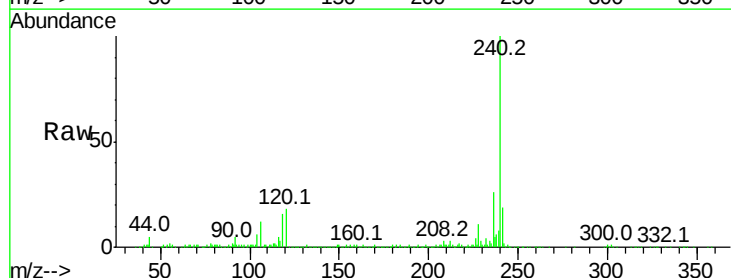
Tgt Ion:240 Resp: 334947

Ion Ratio Lower Upper

240 100

120 18.0 5.8 8.8#

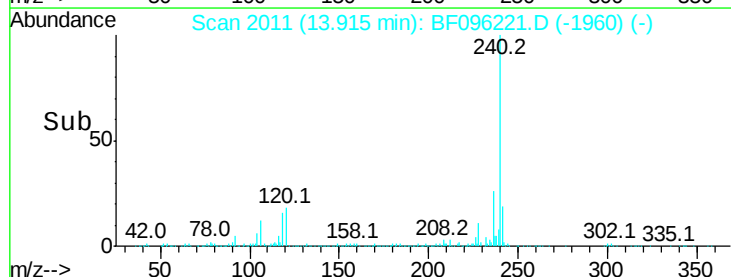
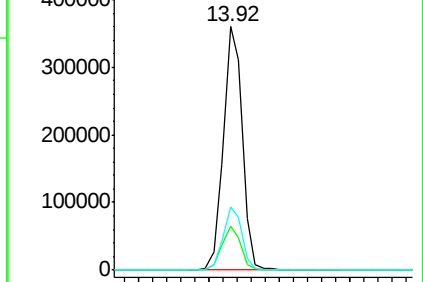
236 25.9 20.5 30.7

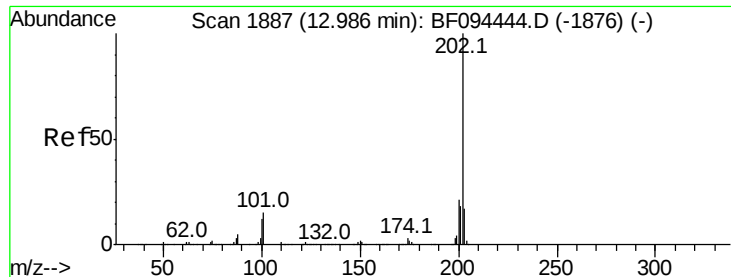


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.10 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

ClientSampleId :

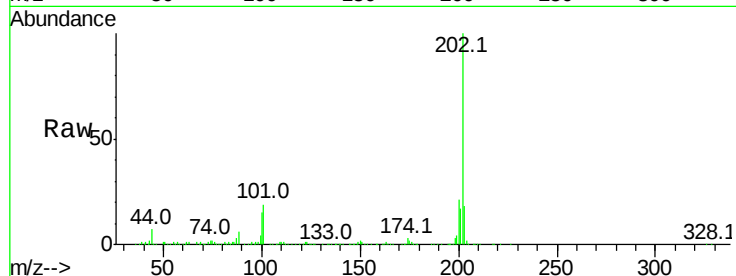
Tot Ion:202 Resp: 195437

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

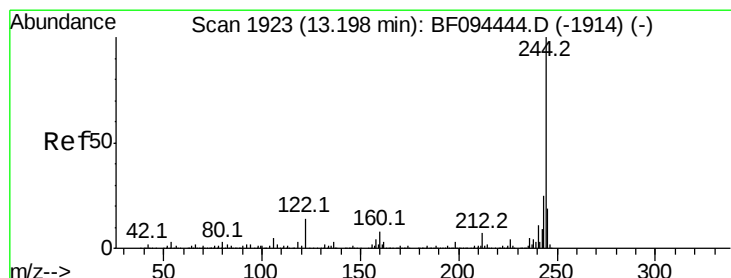
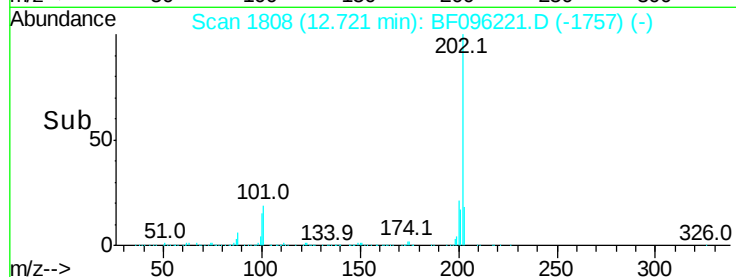
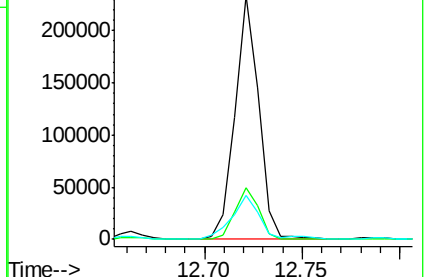
203 17.9 14.4 21.6



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: 13.73 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

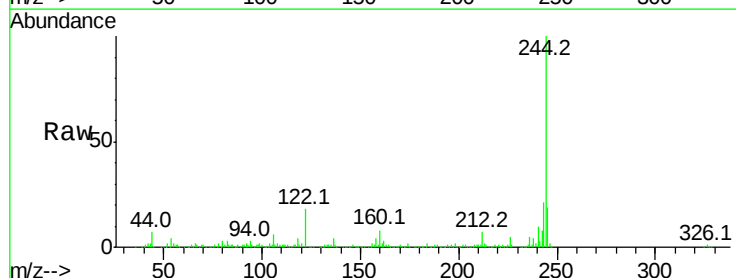
Tgt Ion:244 Resp: 184315

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

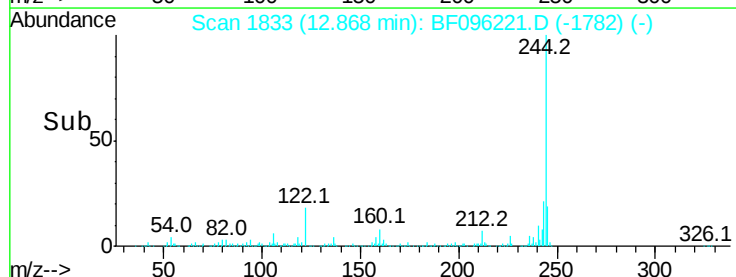
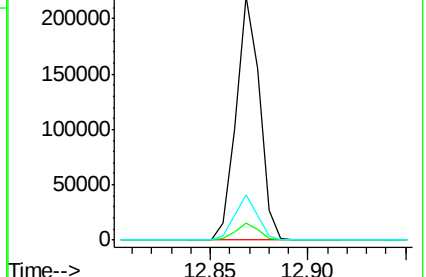
122 18.4 10.3 15.5#

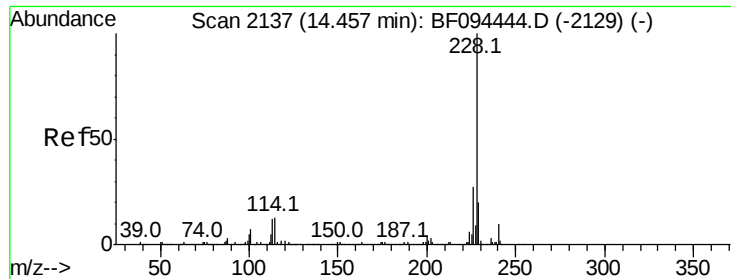


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.45 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.04 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

ClientSampleId :

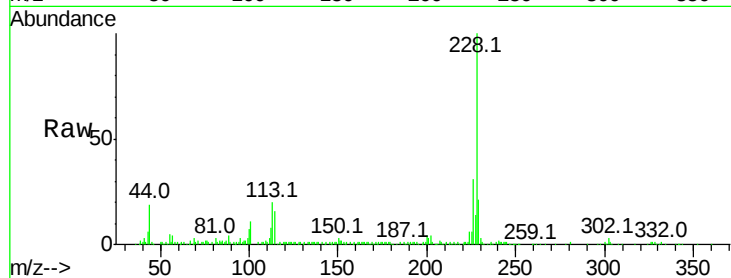
Tot Ion:228 Resp: 111324

Ion Ratio Lower Upper

228 100

226 31.2 22.6 33.8

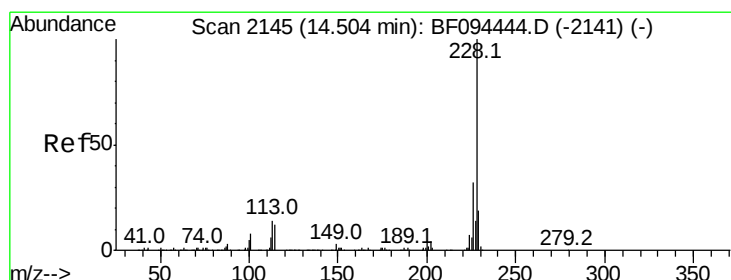
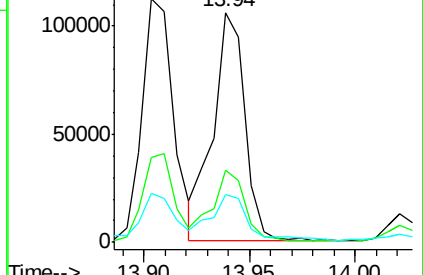
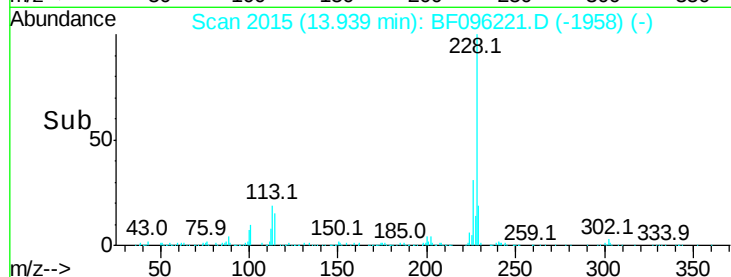
229 20.6 16.3 24.5



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: 5.27 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

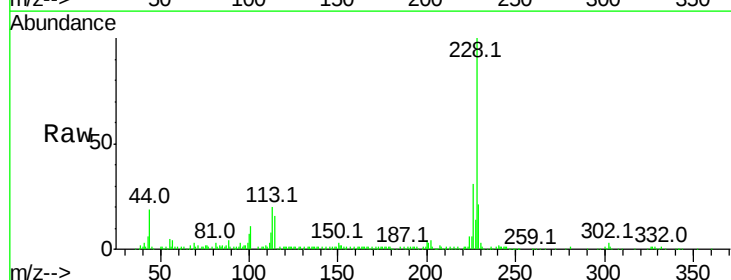
Tgt Ion:228 Resp: 111324

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

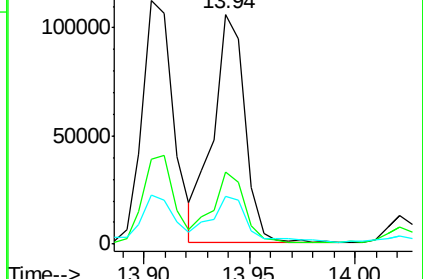
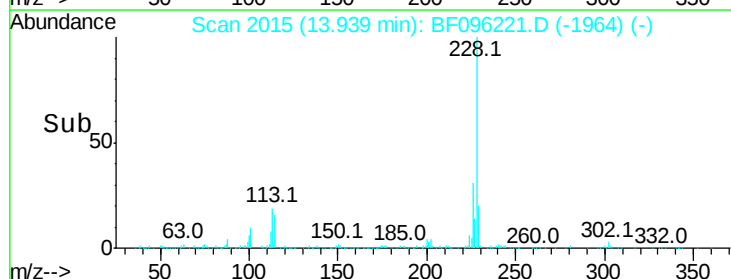
229 20.6 15.8 23.6

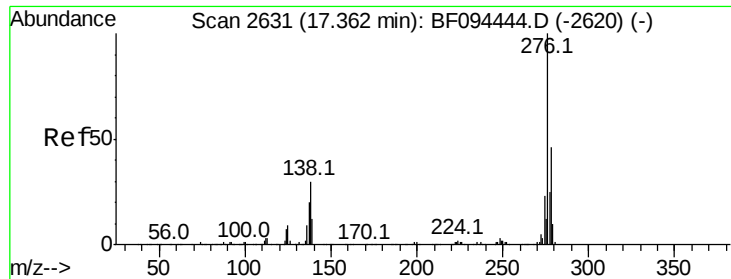


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.09 ng

RT: 16.72 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

ClientSampleId :

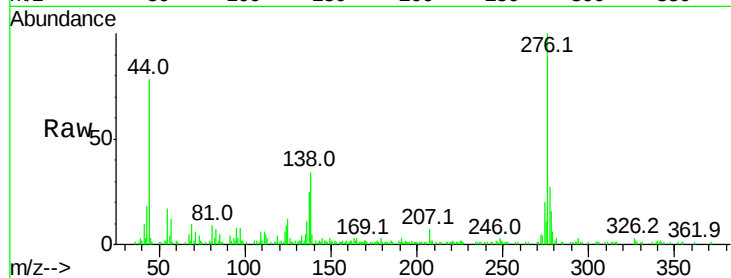
Tot Ion:276 Resp: 71734

Ion Ratio Lower Upper

276 100

138 37.7 27.8 41.6

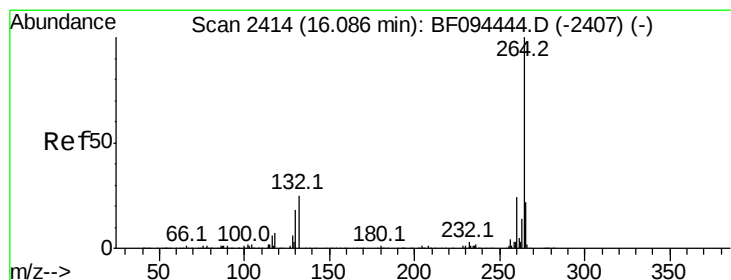
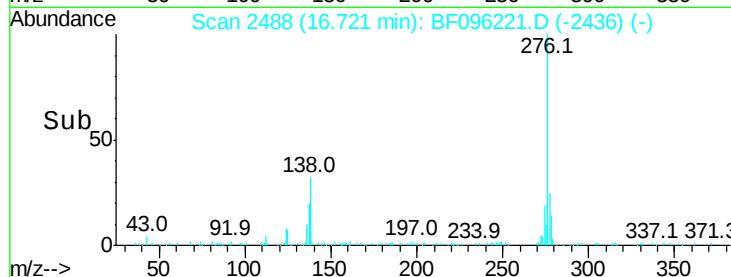
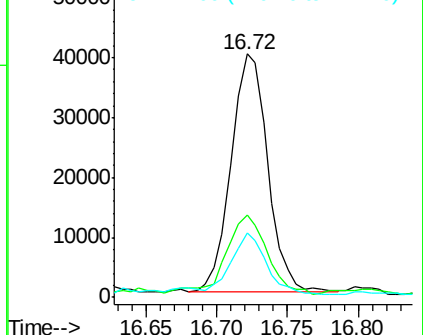
277 24.3 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

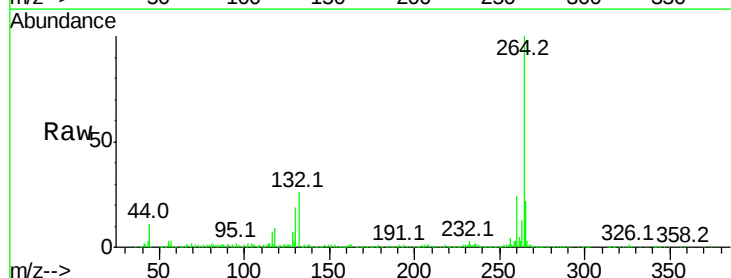
Tgt Ion:264 Resp: 324228

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

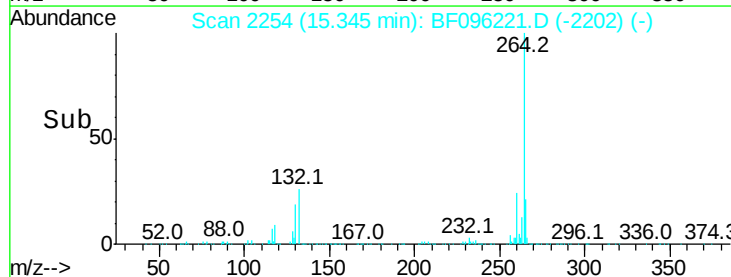
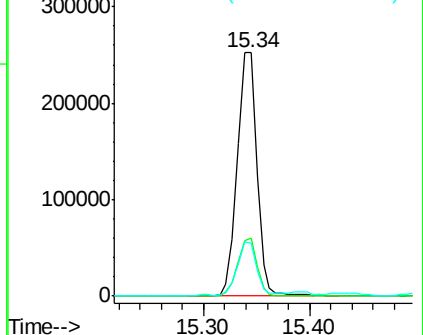
265 21.5 17.2 25.8

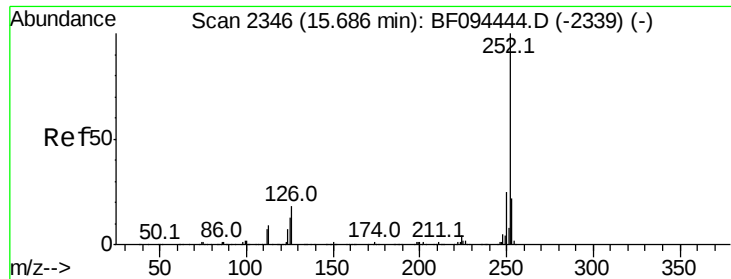


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.82 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096221.D

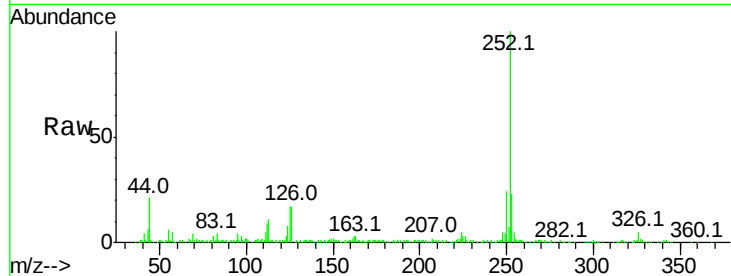
Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

ClientSampleId :

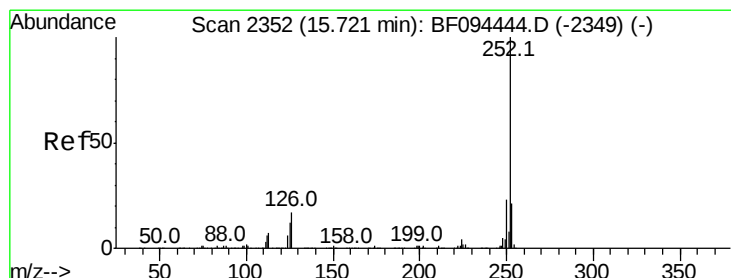
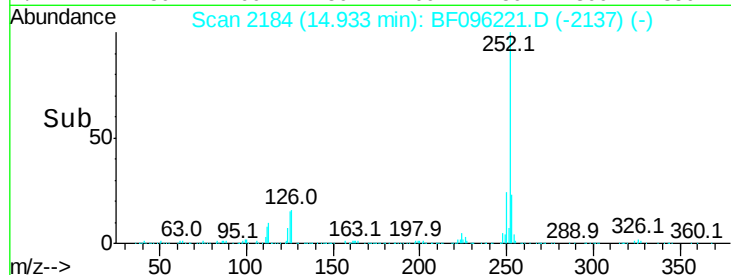
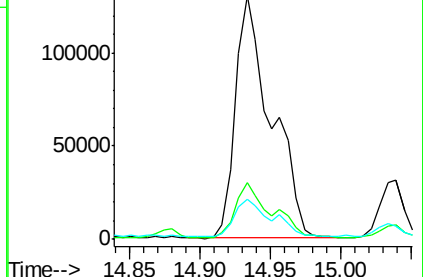
Tot Ion:252	Resp:	230409
Ion Ratio	Lower	Upper
252	100	
253	23.2	18.1 27.1
125	16.5	9.8 14.8#



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: 11.85 ng

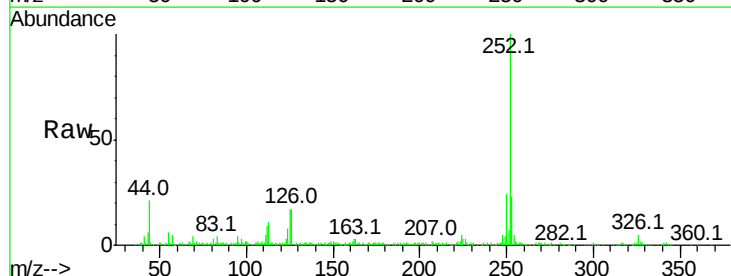
RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

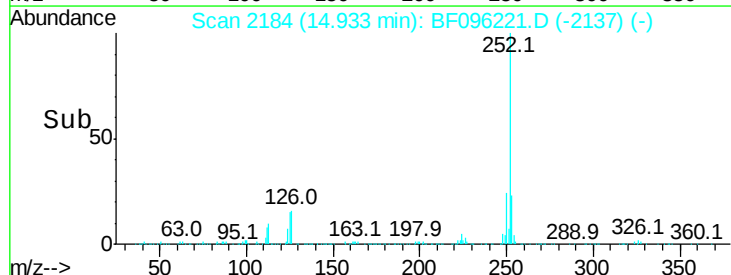
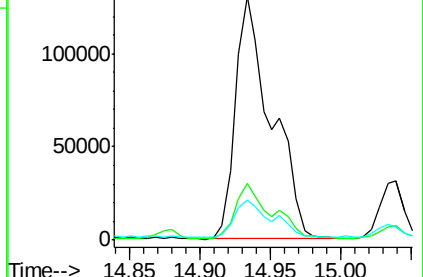
Tgt Ion:252	Resp:	230409
Ion Ratio	Lower	Upper
252	100	
253	23.2	18.4 27.6
125	16.5	13.1 19.7

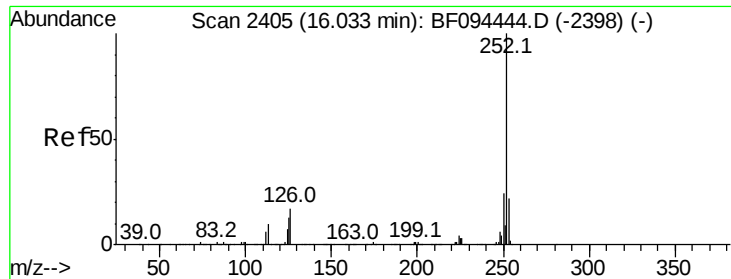


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.44 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

Instrument :

BNA_F

ClientSampleId :

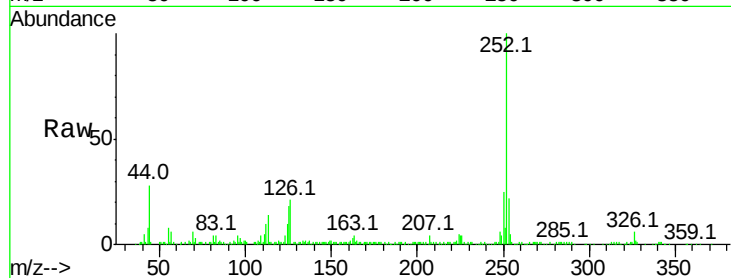
Tot Ion:252 Resp: 121117

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

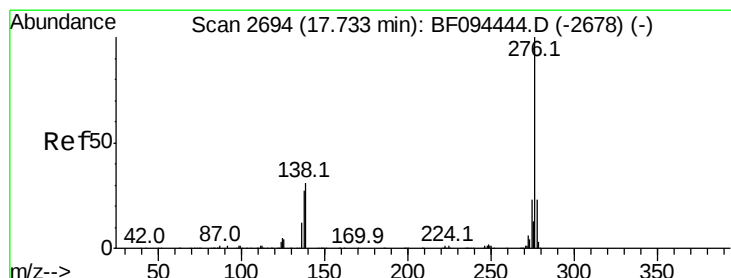
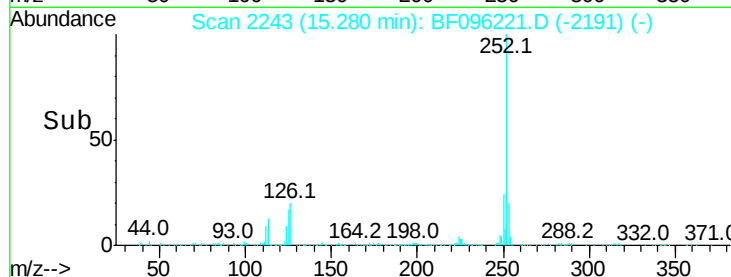
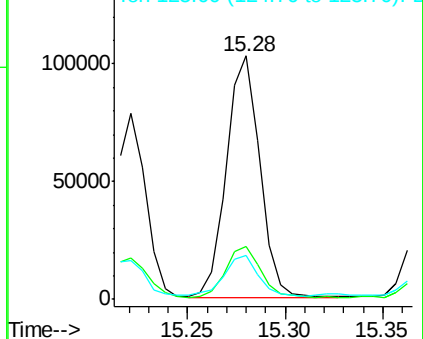
125 18.2 11.0 16.4#



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: 4.79 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF096221.D

Acq: 27 Jun 2017 17:34

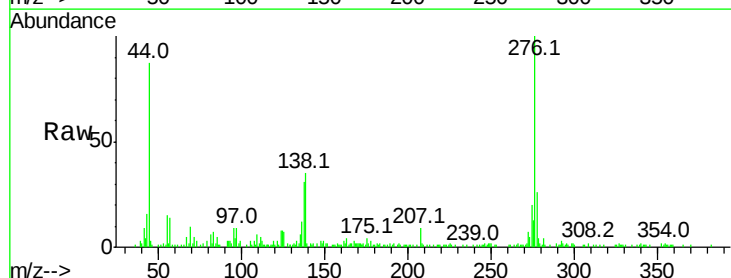
Tgt Ion:276 Resp: 73300

Ion Ratio Lower Upper

276 100

277 26.0 18.6 28.0

138 35.2 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

