

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096311.D
 Acq On : 30 Jun 2017 00:15
 Operator : SJ/MA
 Sample : I3882-10 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 01:11:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	169535	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	643480	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	224514	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	341439	20.00	ng	0.00
75) Chrysene-d12	13.92	240	329128	20.00	ng	0.00
86) Perylene-d12	15.34	264	225458	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	248232	21.09	ng	0.00
7) Phenol-d6	6.39	99	298168	20.93	ng	0.00
23) Nitrobenzene-d5	7.32	82	151600	16.31	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	41608	23.55	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	260345	21.24	ng	-0.02
78) Terphenyl-d14	12.87	244	189234	14.35	ng	0.00

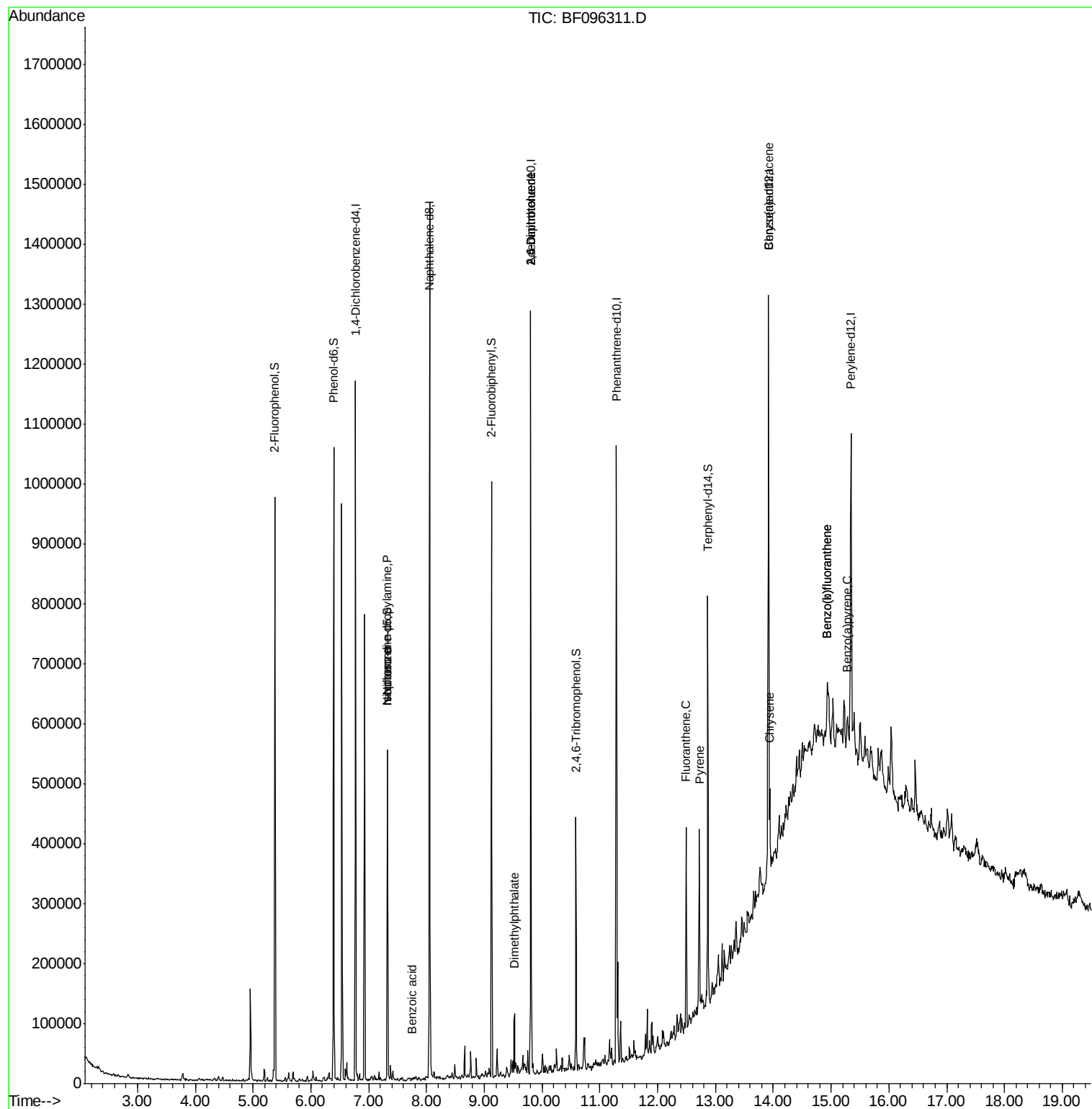
Target Compounds				Qvalue		
9) Benzaldehyde	6.31	77	697	Below Cal	#	54
19) n-Nitroso-di-n-propylamine	7.32	70	19649	2.30	ng	86
25) Isophorone	7.32	82	151630	7.18	ng	67
32) Benzoic acid	7.74	122	133	8.80	ng	48
49) Dimethylphthalate	9.52	163	33931	2.11	ng	97
50) 2,6-Dinitrotoluene	9.80	165	28538	8.54	ng	34
56) 2,4-Dinitrotoluene	9.80	165	28538	6.77	ng	34
57) Fluorene	10.35	166	4408	Below Cal		98
70) Phenanthrene	11.31	178	58860	Below Cal		99
74) Fluoranthene	12.49	202	118496	6.25	ng	96
77) Pyrene	12.72	202	115560	4.27	ng	99
80) Benzo(a)anthracene	13.91	228	49018	2.44	ng	98
82) Chrysene	13.94	228	55111	2.66	ng	94
87) Benzo(b)fluoranthene	14.93	252	69819	4.71	ng	# 80
88) Benzo(k)fluoranthene	14.93	252	69819	5.16	ng	# 83
89) Benzo(a)pyrene	15.28	252	28439	2.17	ng	# 71

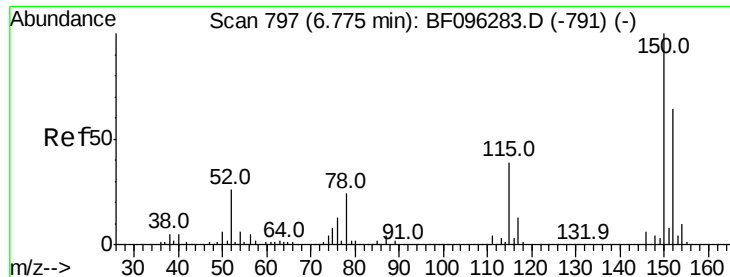
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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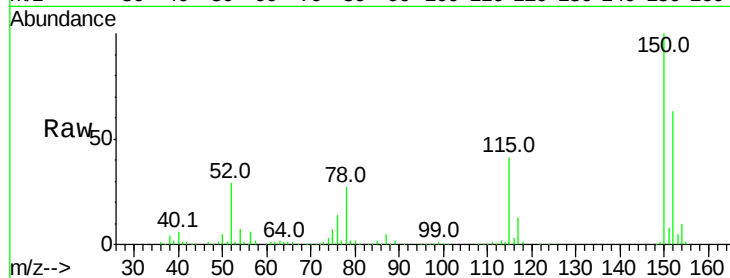


#1

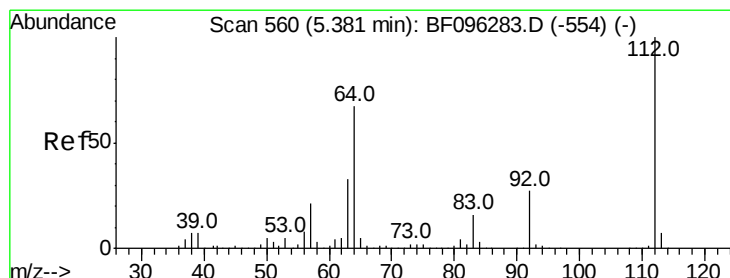
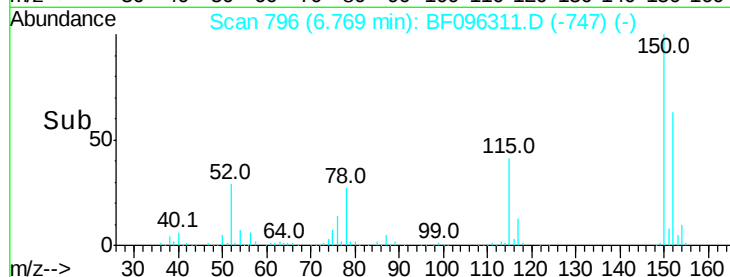
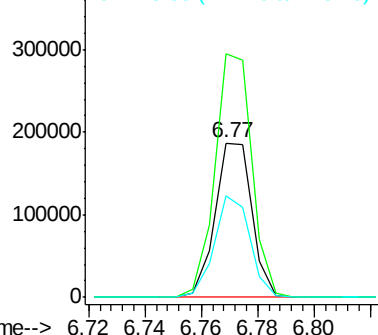
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096311.D
Acq: 30 Jun 2017 00:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169535
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 65.5 52.2 78.2



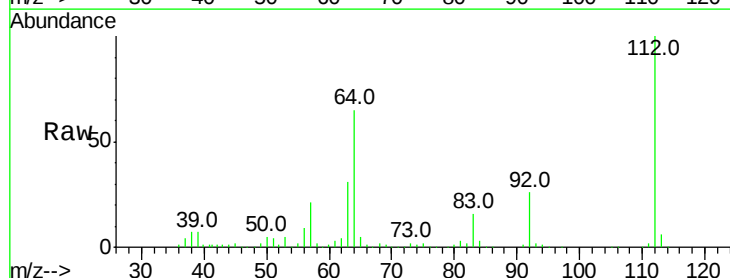
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



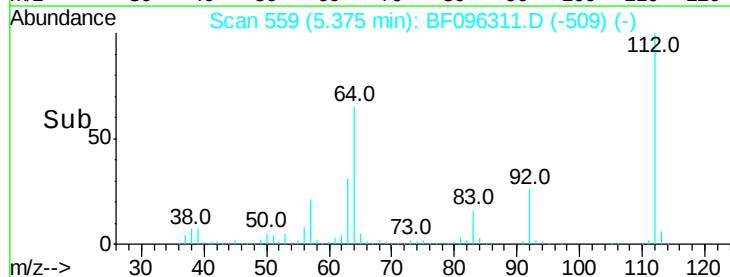
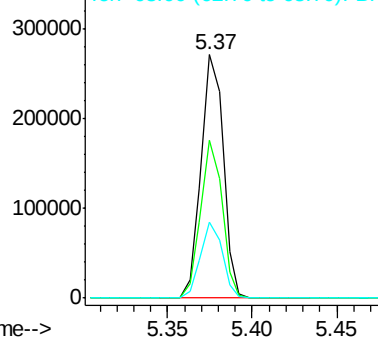
#5

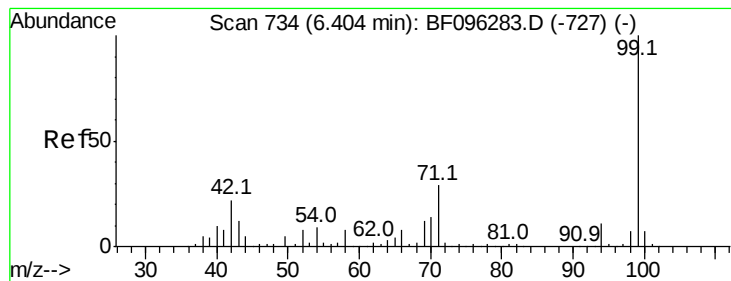
2-Fluorophenol
Concen: 21.09 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096311.D
Acq: 30 Jun 2017 00:15

Tgt Ion:112 Resp: 248232
Ion Ratio Lower Upper
112 100
64 65.0 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: 20.93 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

Instrument :

BNA_F

ClientSampled :

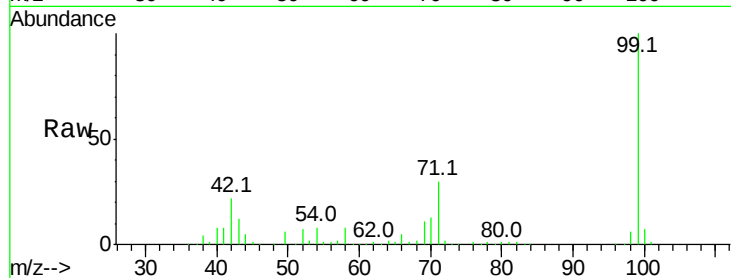
Tot Ion: 99 Resp: 298168

Ion Ratio Lower Upper

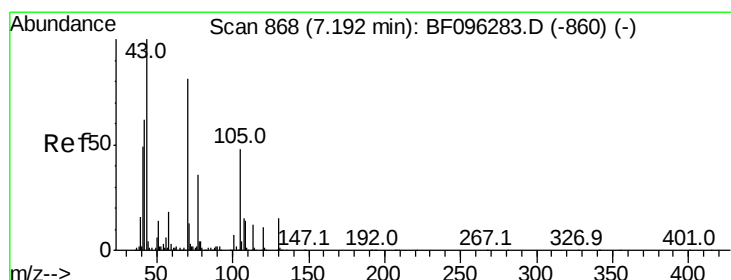
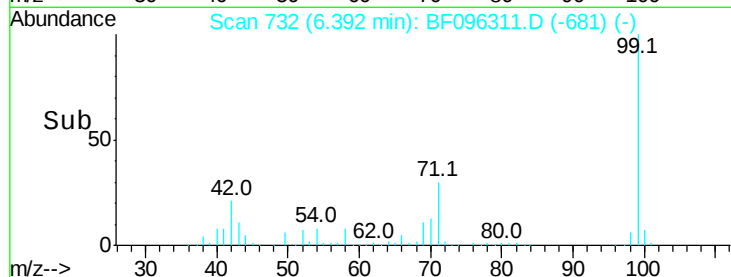
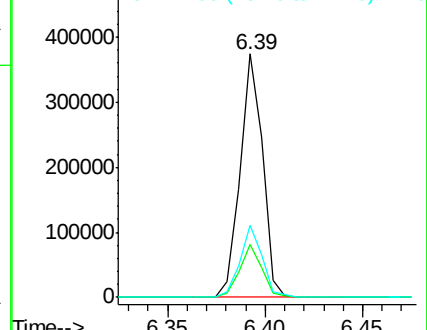
99 100

42 21.5 13.5 20.3#

71 29.6 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: 2.30 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.14 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

Tgt Ion: 70 Resp: 19649

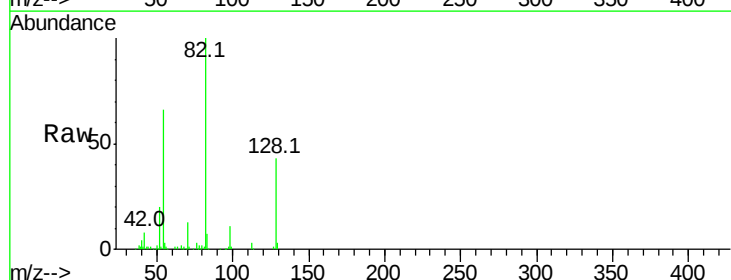
Ion Ratio Lower Upper

70 100

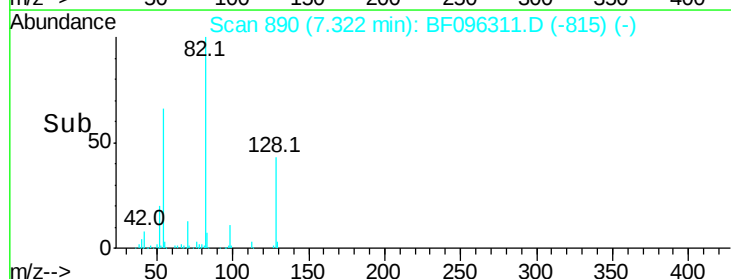
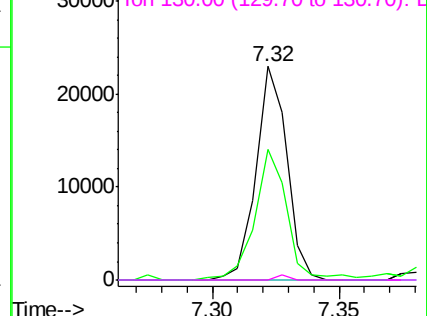
42 60.9 47.2 70.8

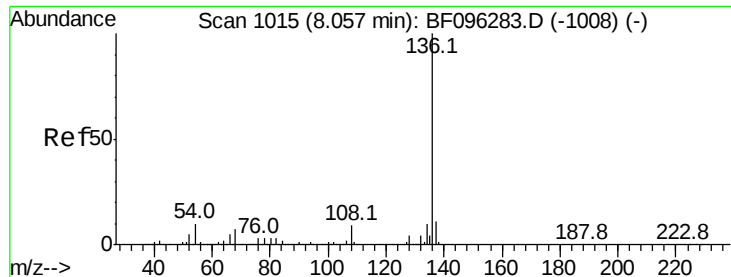
101 0.0 7.2 10.8#

130 0.0 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: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 643480

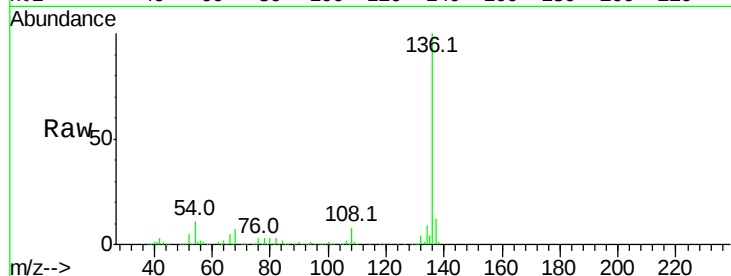
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 11.4 4.9 7.3#

68 6.7 4.1 6.1#

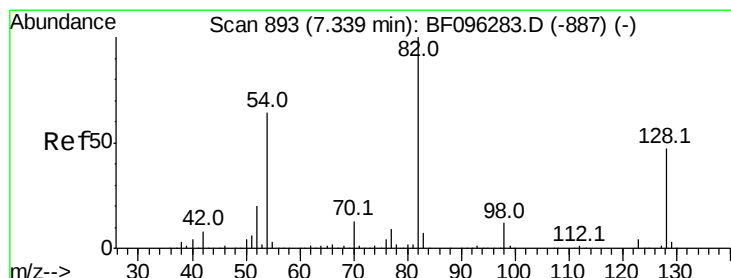
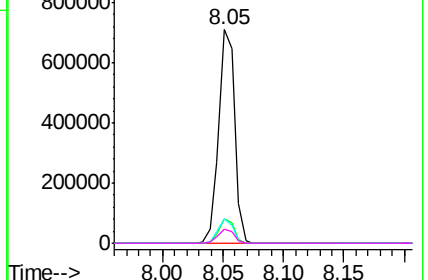
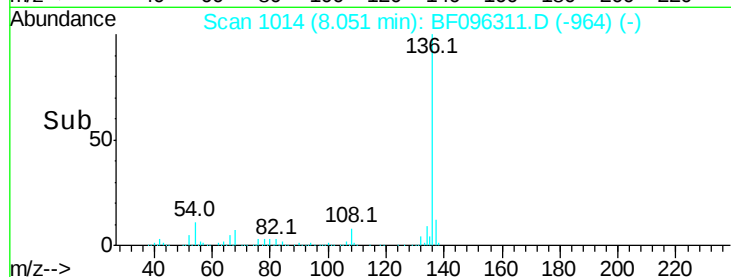


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.31 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.04 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

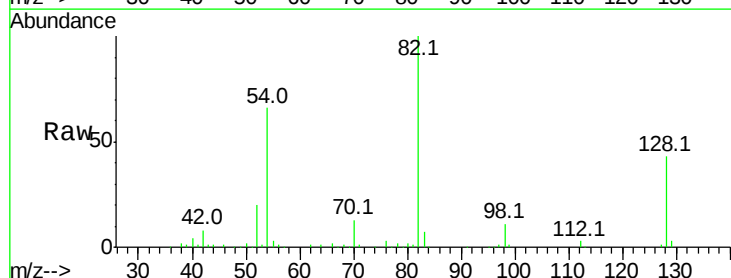
Tgt Ion: 82 Resp: 151600

Ion Ratio Lower Upper

82 100

128 43.1 34.0 51.0

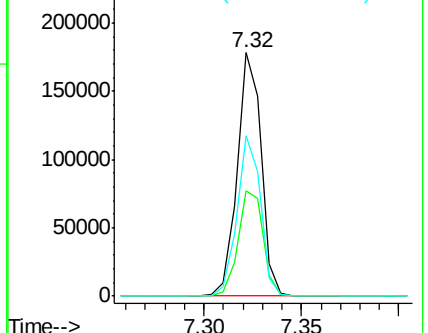
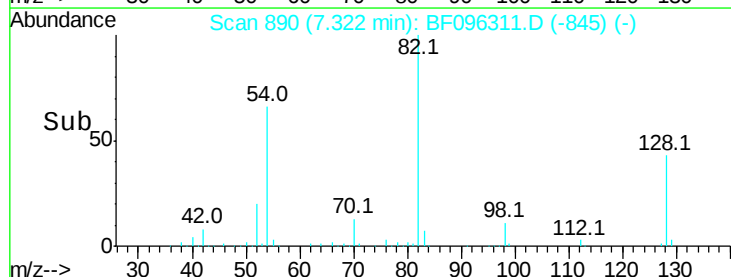
54 65.8 42.2 63.2#

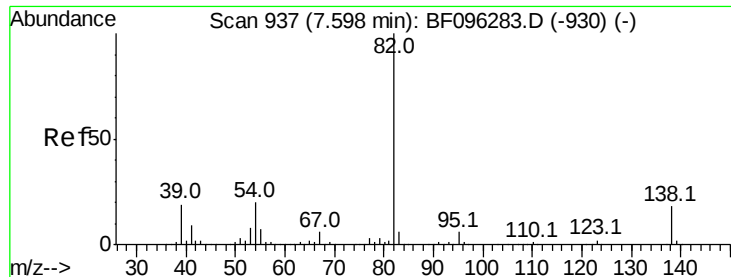


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.18 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.27 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

Instrument :

BNA_F

ClientSampleId :

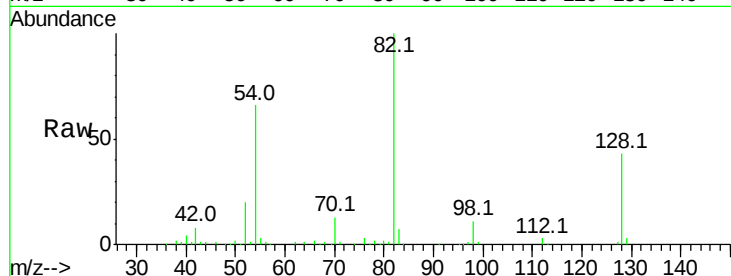
Tot Ion: 82 Resp: 151630

Ion Ratio Lower Upper

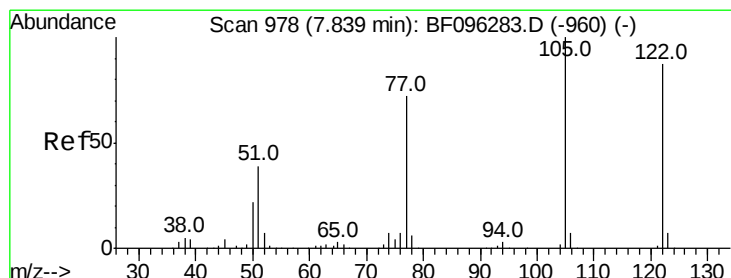
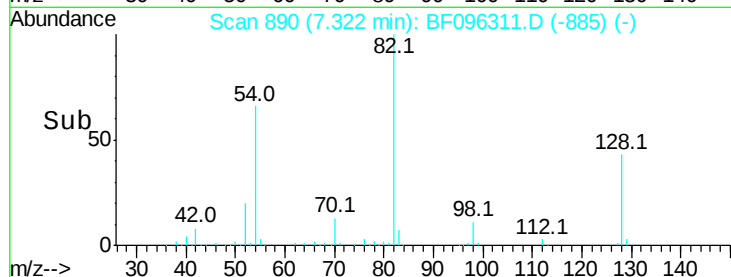
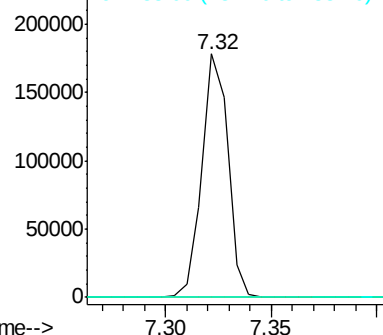
82 100

95 0.2 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



#32

Benzoic acid

Concen: 8.80 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.15 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

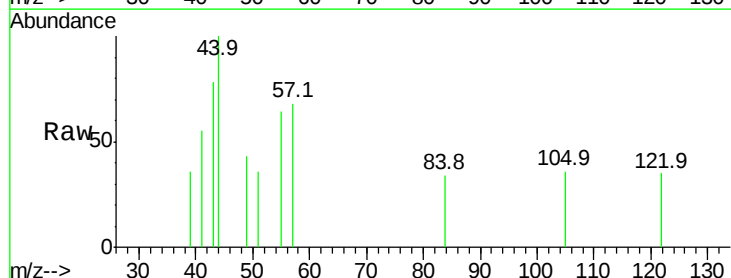
Tgt Ion: 122 Resp: 133

Ion Ratio Lower Upper

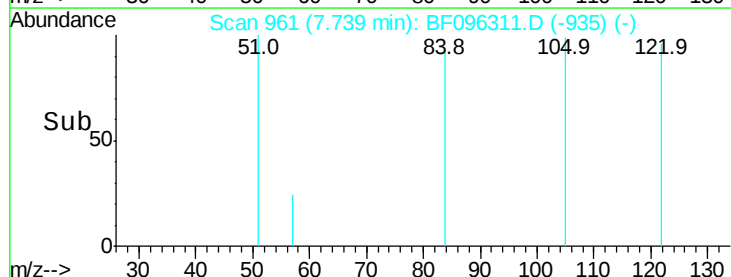
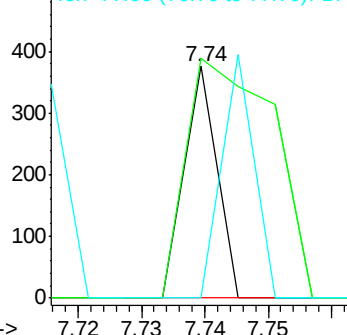
122 100

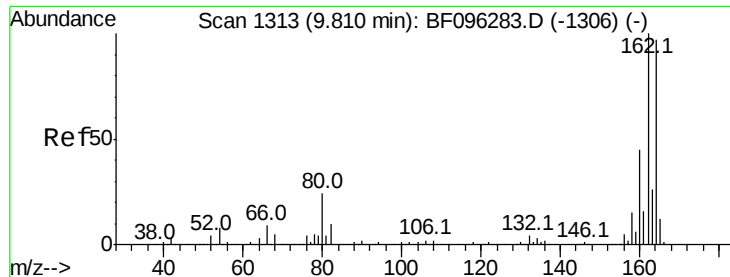
105 103.5 103.3 143.3

77 0.0 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

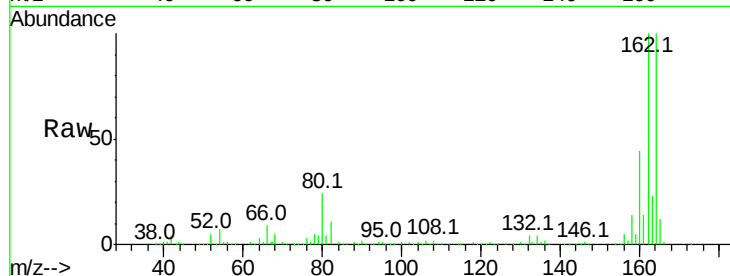




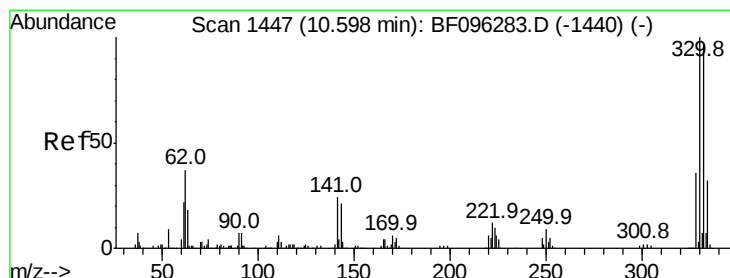
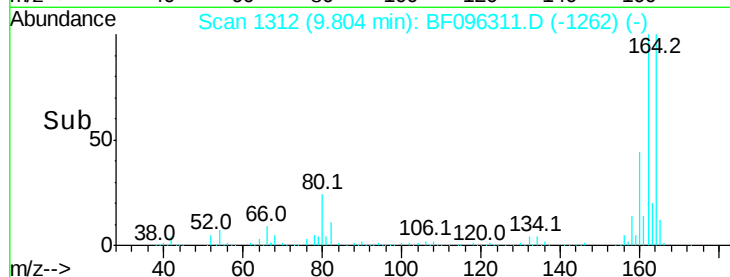
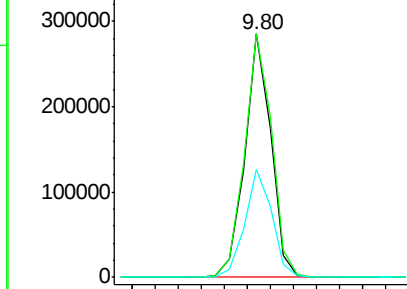
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF096311.D
 Acq: 30 Jun 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.6	123.8
160	44.2	36.2	54.2

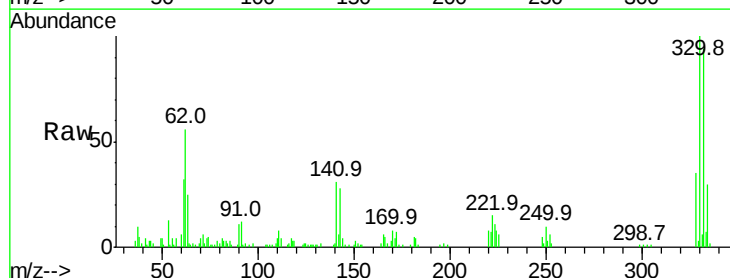


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

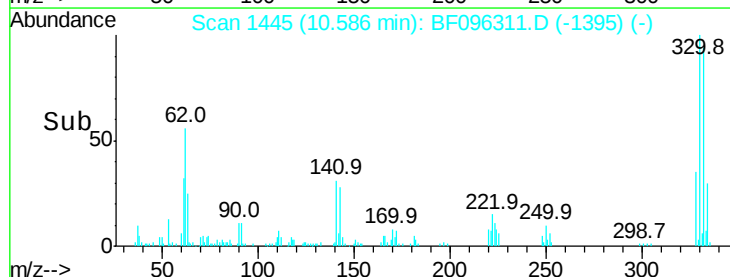
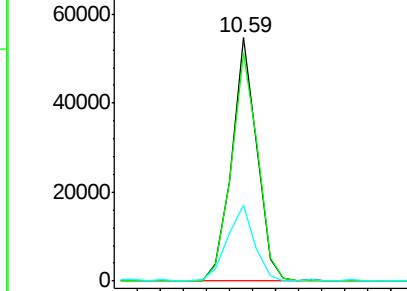


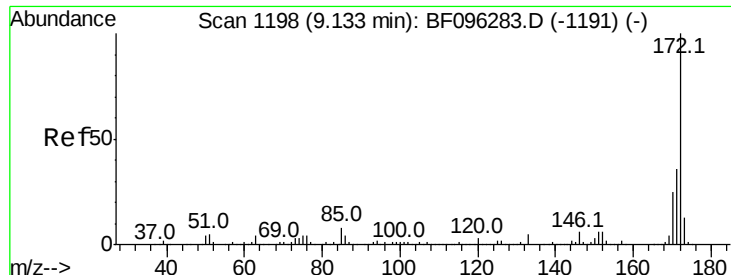
#41
 2,4,6-Tribromophenol
 Concen: 23.55 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096311.D
 Acq: 30 Jun 2017 00:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	115.0
141	33.4	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

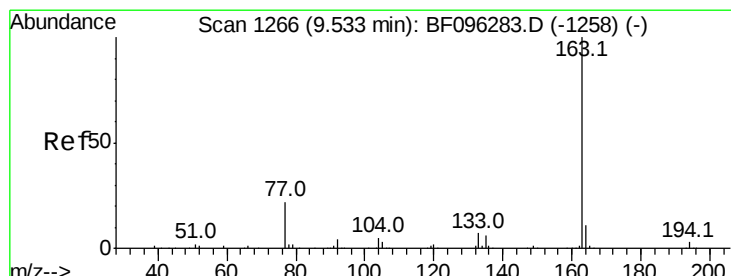
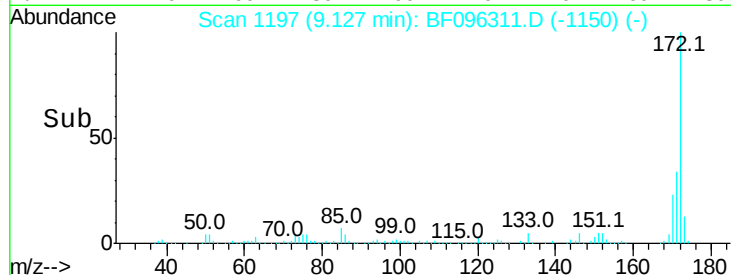
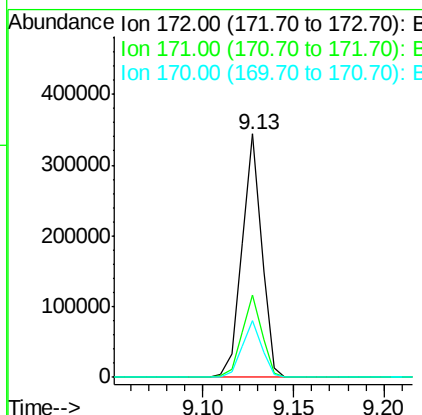
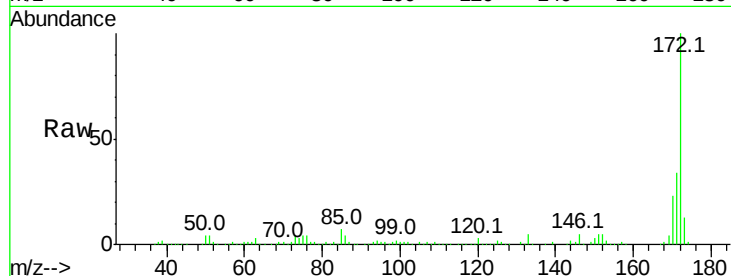




#44
 2-Fluorobiphenyl
 Concen: 21.24 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096311.D
 Acq: 30 Jun 2017 00:15

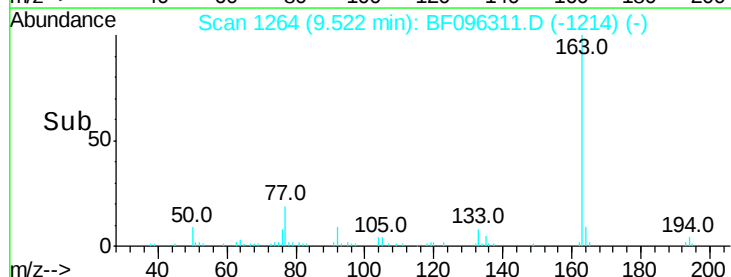
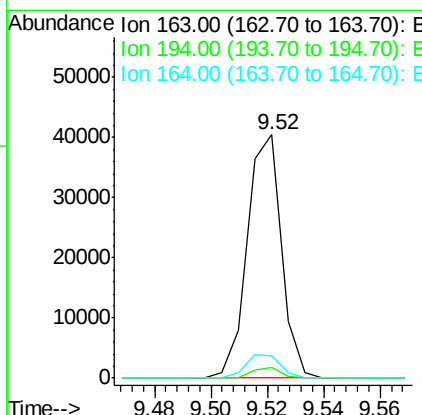
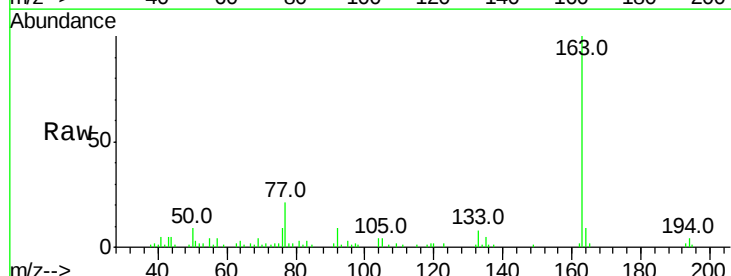
Instrument :
 BNA_F
 ClientSampleId :

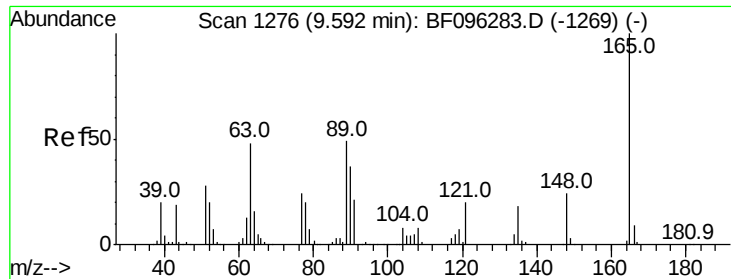
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.6	44.4
170	23.4	19.8	29.8



#49
 Dimethylphthalate
 Concen: 2.11 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF096311.D
 Acq: 30 Jun 2017 00:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.6	4.0#
164	9.2	8.4	12.6

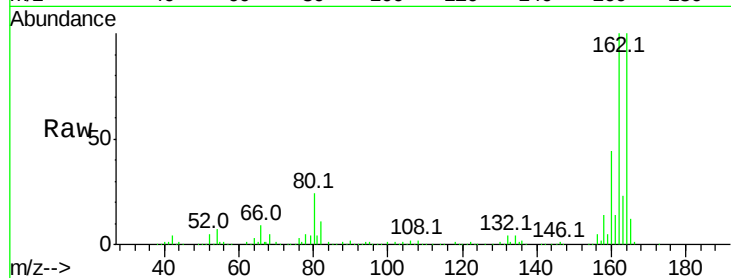




#50
 2,6-Dinitrotoluene
 Concen: 8.54 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.19 min
 Lab File: BF096311.D
 Acq: 30 Jun 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :

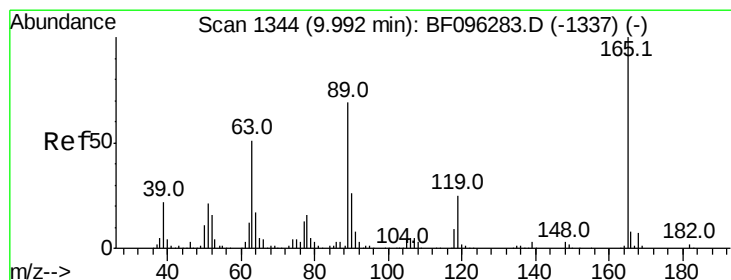
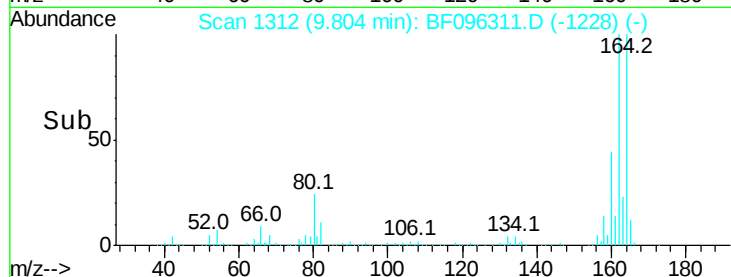
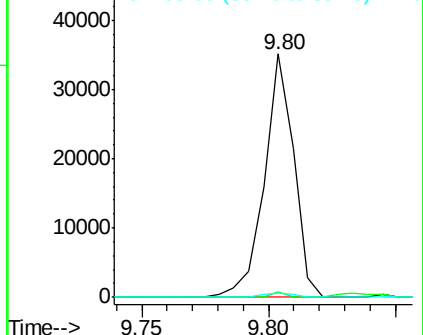
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	34.3	51.5#
89	1.6	37.1	55.7#



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: 6.77 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.21 min
 Lab File: BF096311.D
 Acq: 30 Jun 2017 00:15

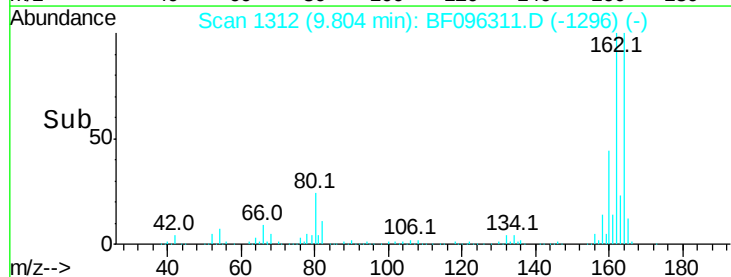
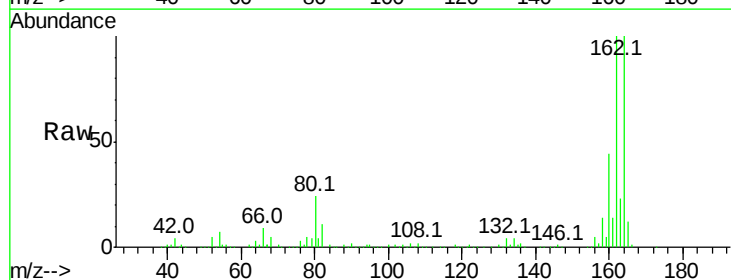
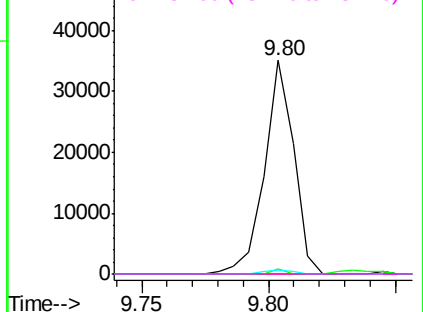
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

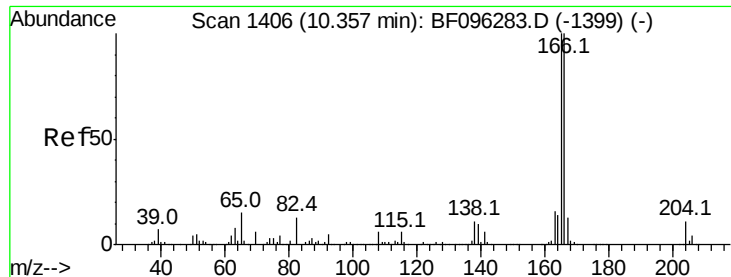
Abundance Ion 165.00 (164.70 to 165.70): E

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

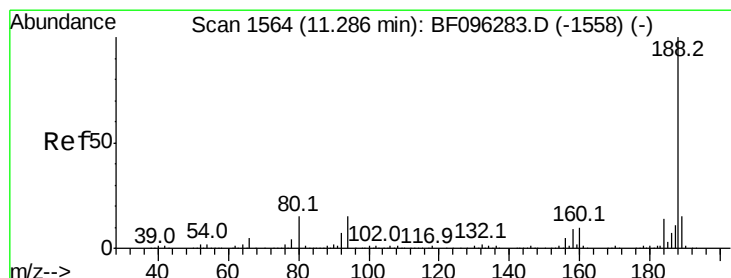
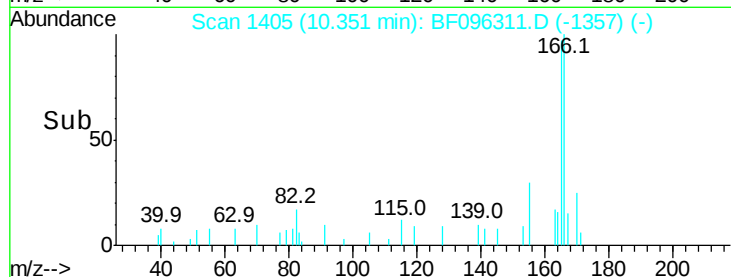
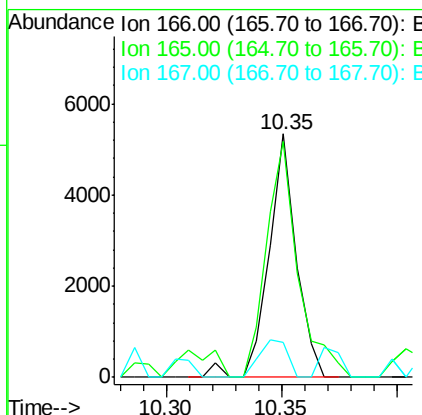
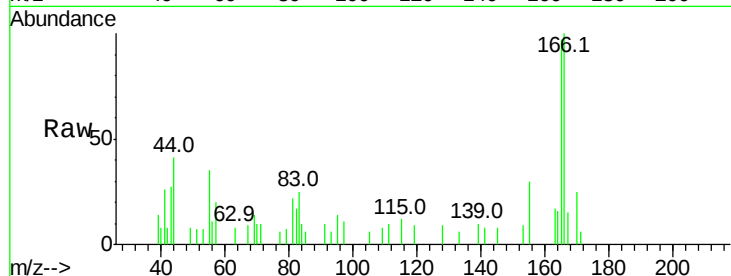




#57
Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF096311.D
 Acq: 30 Jun 2017 00:15

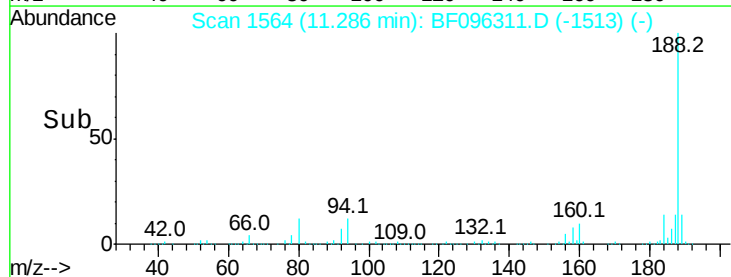
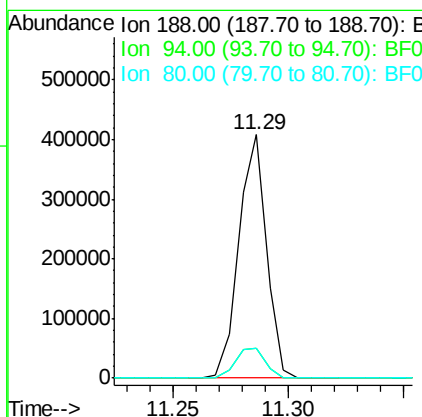
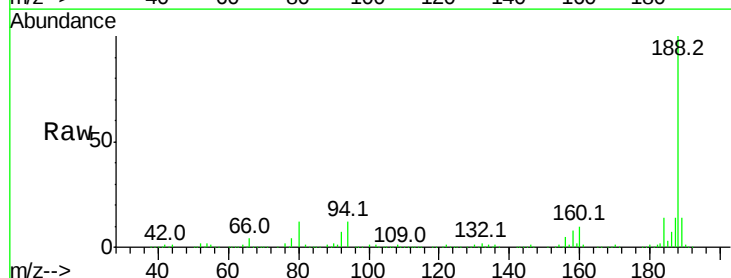
Instrument :
 BNA_F
 ClientSampleId :

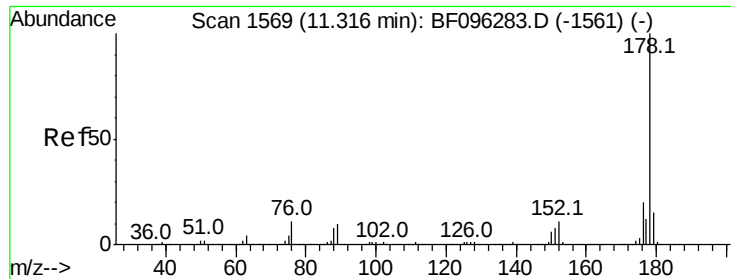
Tot Ion:166 Resp: 4408
 Ion Ratio Lower Upper
 166 100
 165 97.0 78.8 118.2
 167 14.5 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF096311.D
 Acq: 30 Jun 2017 00:15

Tgt Ion:188 Resp: 341439
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.4 14.2
 80 12.5 10.2 15.2

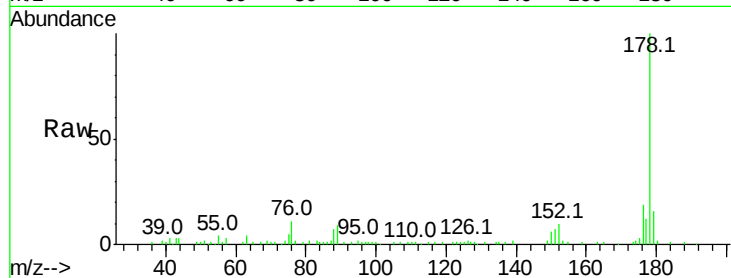




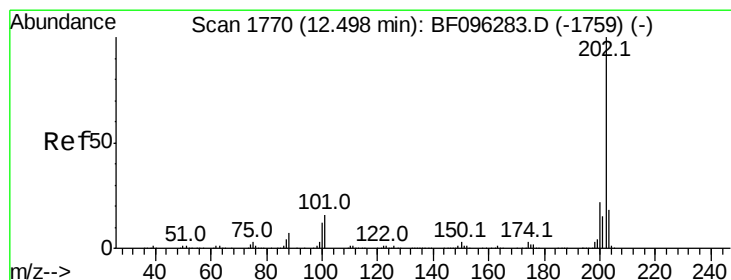
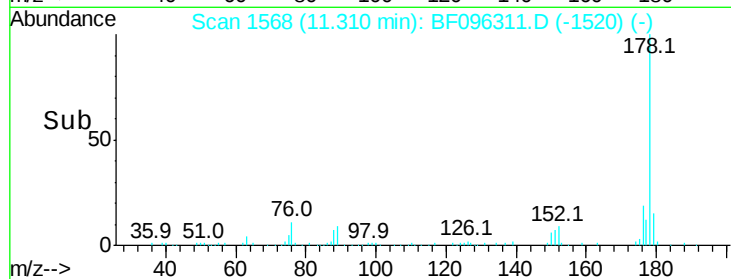
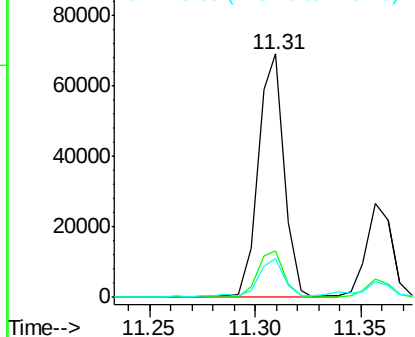
#70
Phenanthrene
Concen: Below Cal
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096311.D
Acq: 30 Jun 2017 00:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 58860
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.9 12.6 19.0

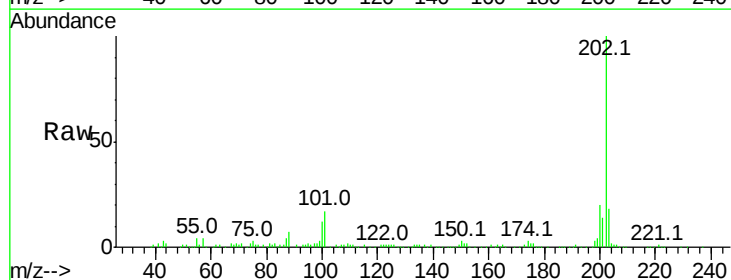


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

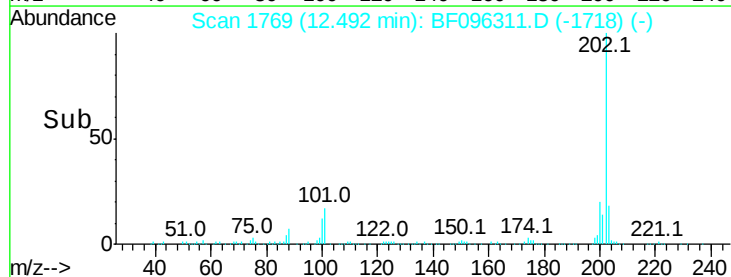
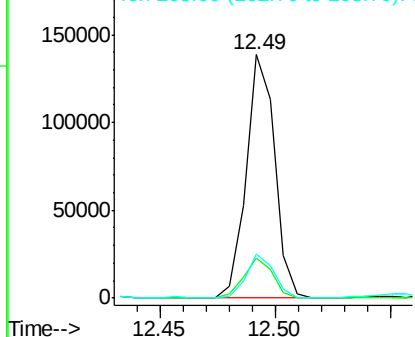


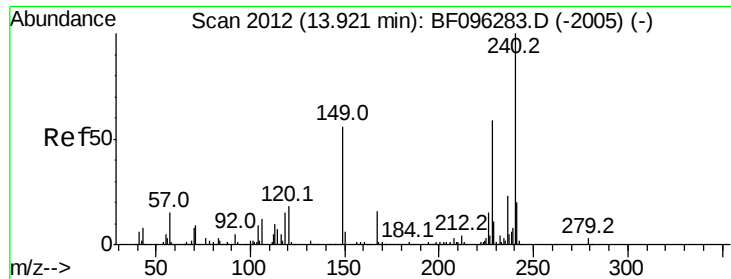
#74
Fluoranthene
Concen: 6.25 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.00 min
Lab File: BF096311.D
Acq: 30 Jun 2017 00:15

Tgt Ion:202 Resp: 118496
Ion Ratio Lower Upper
202 100
101 16.7 0.0 33.2
203 18.2 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: BF096311.D

Acq: 30 Jun 2017 00:15

Instrument :

BNA_F

ClientSampleId :

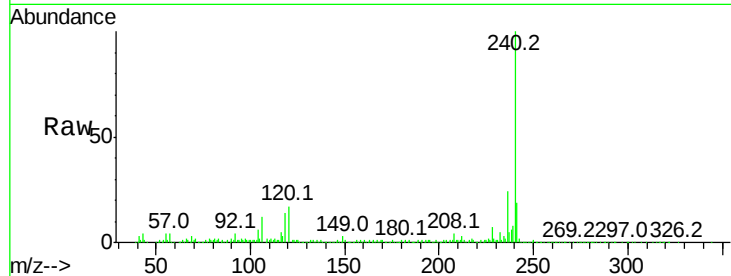
Tot Ion:240 Resp: 329128

Ion Ratio Lower Upper

240 100

120 17.2 5.8 8.8#

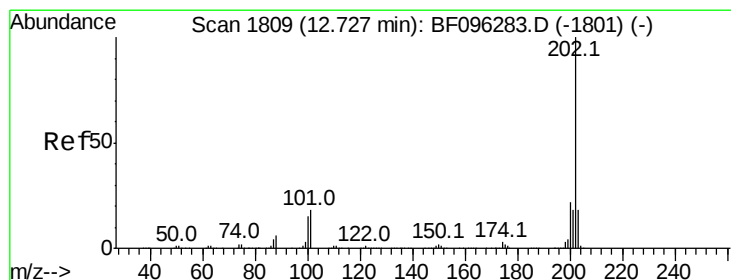
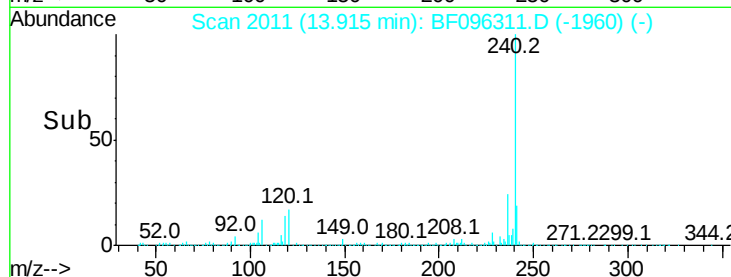
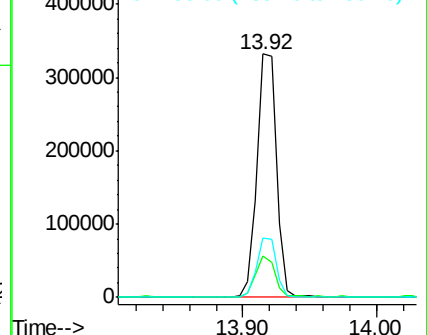
236 24.2 20.5 30.7



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: 4.27 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

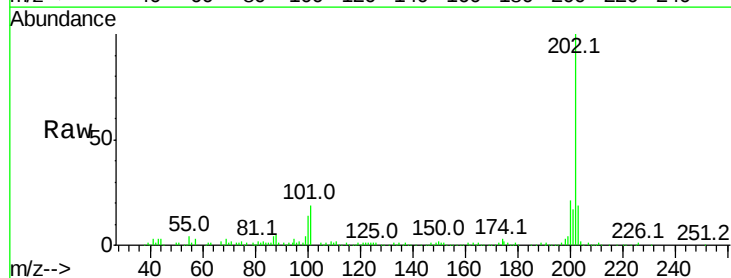
Tgt Ion:202 Resp: 115560

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

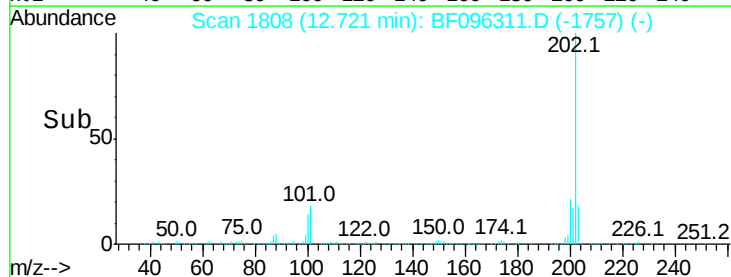
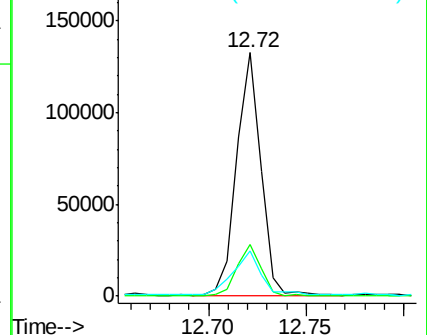
203 18.7 14.4 21.6

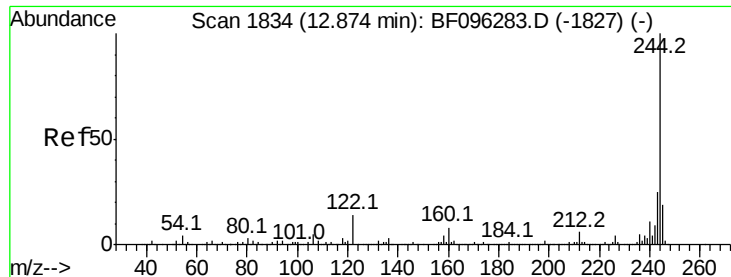


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.35 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

Instrument :

BNA_F

ClientSampleId :

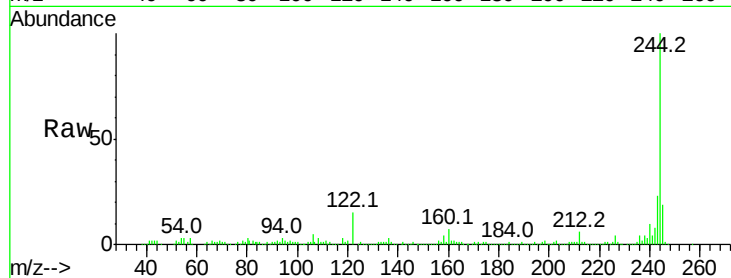
Tot Ion:244 Resp: 189234

Ion Ratio Lower Upper

244 100

212 6.0 6.0 9.0#

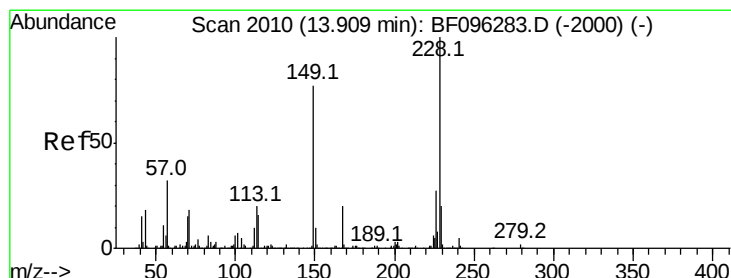
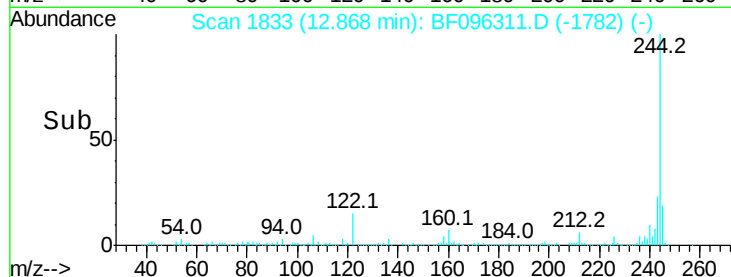
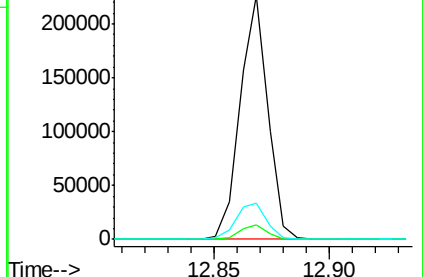
122 14.9 10.3 15.5



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: 2.44 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

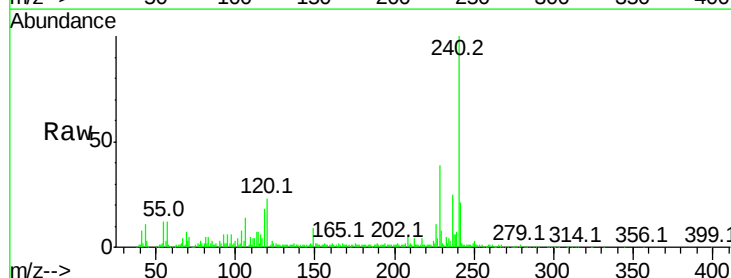
Tgt Ion:228 Resp: 49018

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

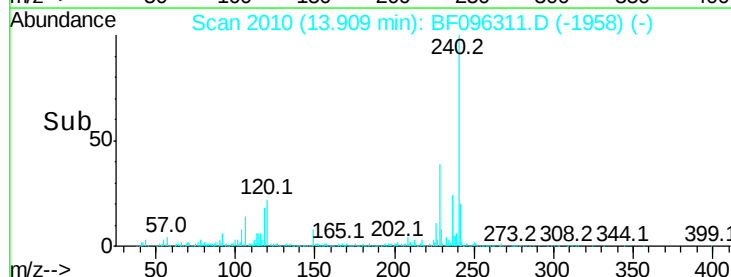
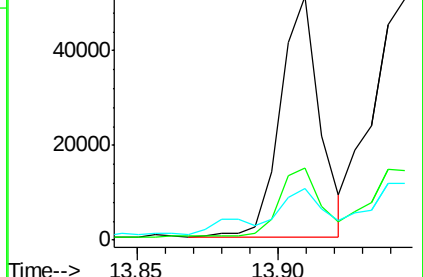
229 21.3 16.3 24.5

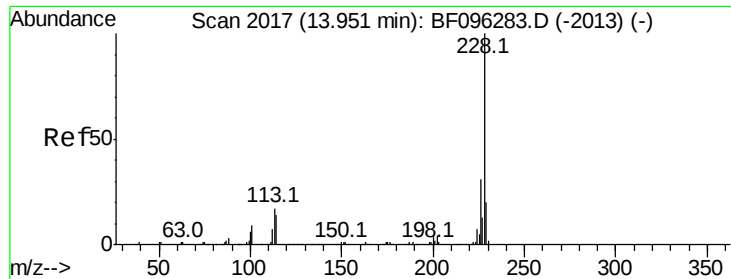


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.66 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

Instrument :

BNA_F

ClientSampleId :

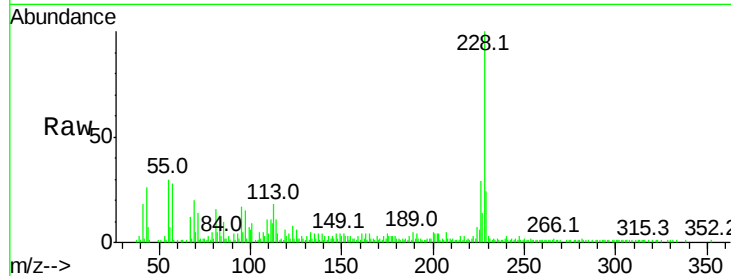
Tot Ion:228 Resp: 55111

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

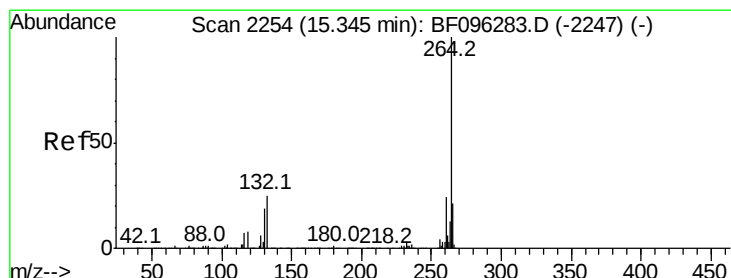
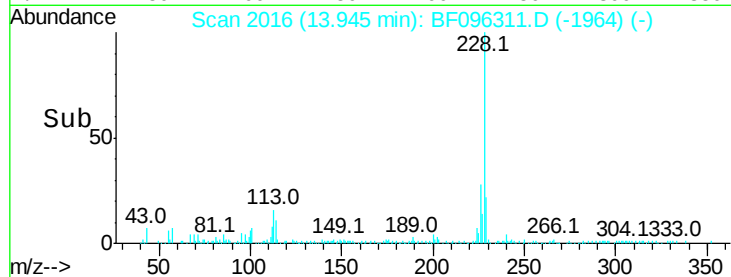
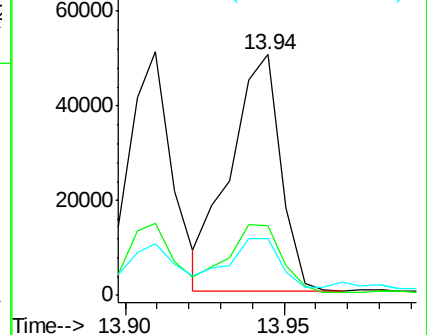
229 23.6 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

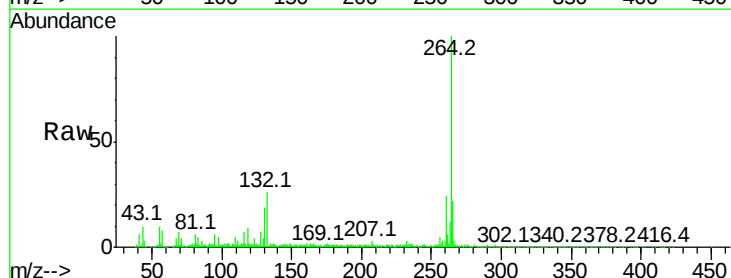
Tgt Ion:264 Resp: 225458

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

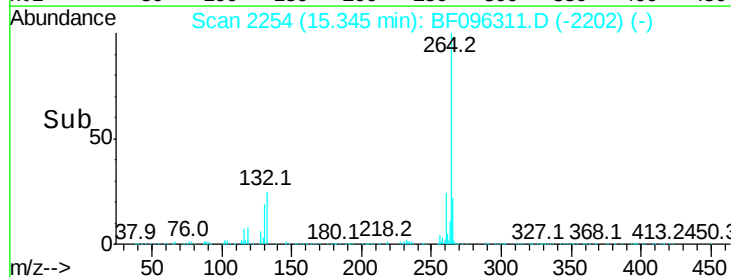
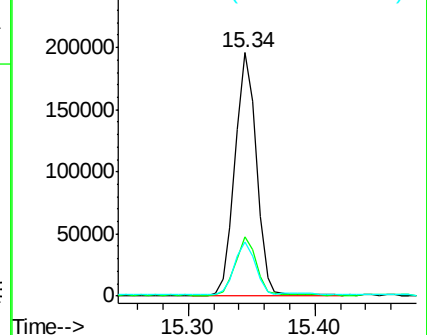
265 22.1 17.2 25.8

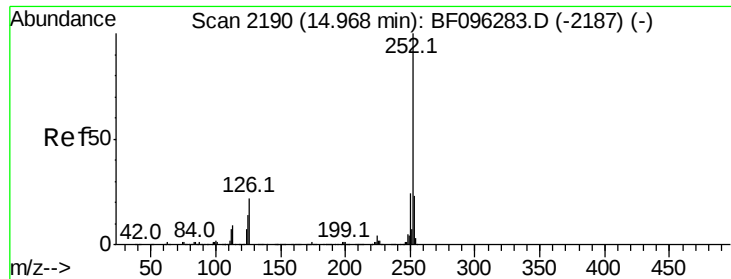


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

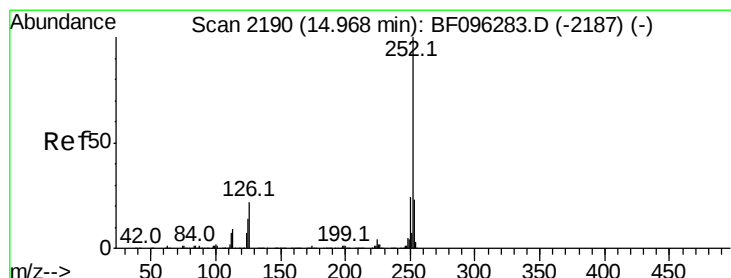
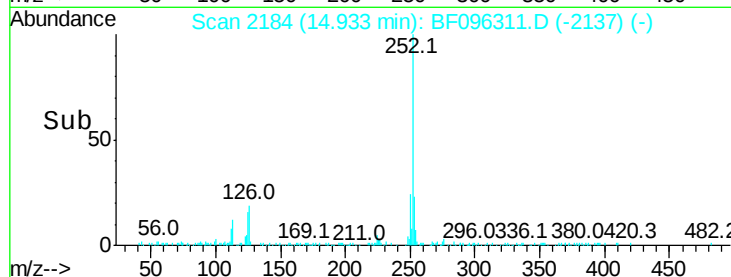
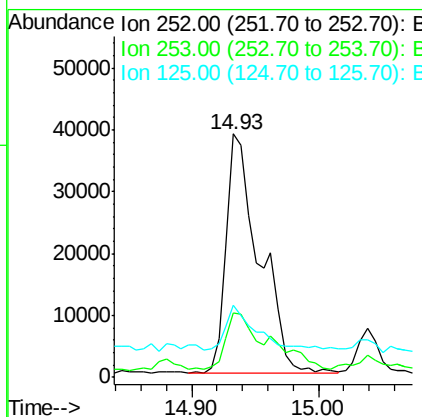
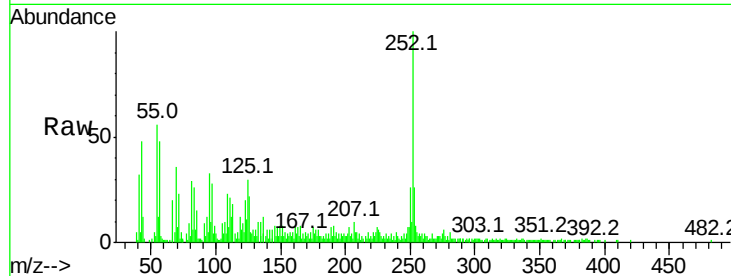




#87
Benzo(b)fluoranthene
Concen: 4.71 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096311.D
Acq: 30 Jun 2017 00:15

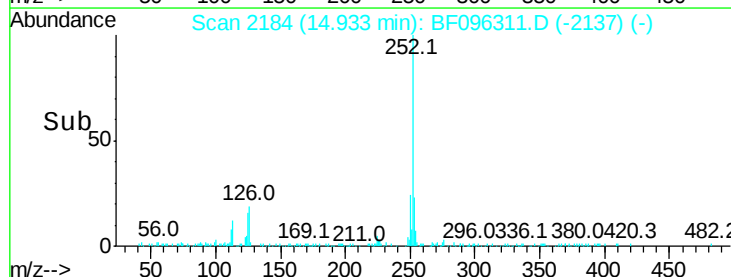
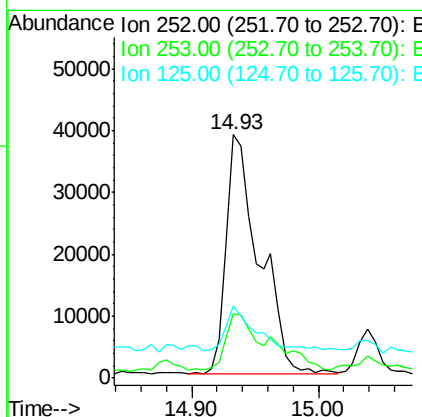
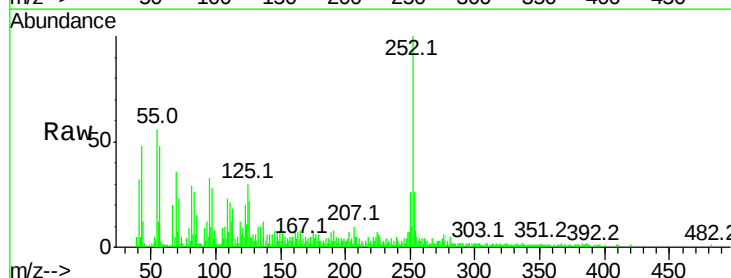
Instrument :
BNA_F
ClientSampleId :

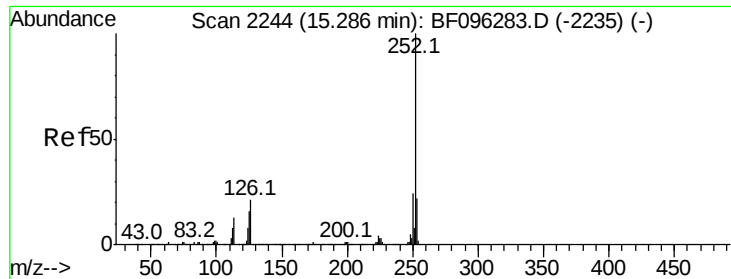
Tot Ion:252 Resp: 69819
Ion Ratio Lower Upper
252 100
253 26.2 18.1 27.1
125 29.6 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 5.16 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096311.D
Acq: 30 Jun 2017 00:15

Tgt Ion:252 Resp: 69819
Ion Ratio Lower Upper
252 100
253 26.2 18.4 27.6
125 29.6 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 2.17 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF096311.D

Acq: 30 Jun 2017 00:15

Instrument :

BNA_F

ClientSampleId :

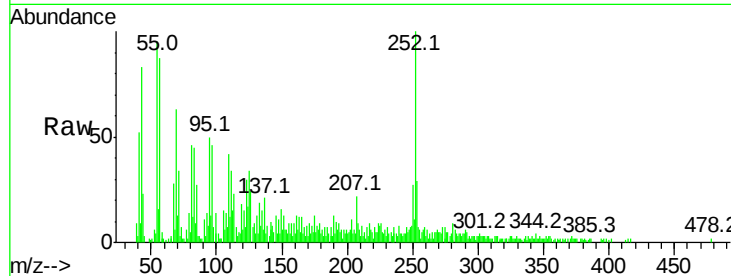
Tot Ion:252 Resp: 28439

Ion Ratio Lower Upper

252 100

253 29.4 17.5 26.3#

125 33.9 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

