

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096259.D
 Acq On : 28 Jun 2017 19:47
 Operator : SJ/MA
 Sample : I3852-12 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:36:52 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

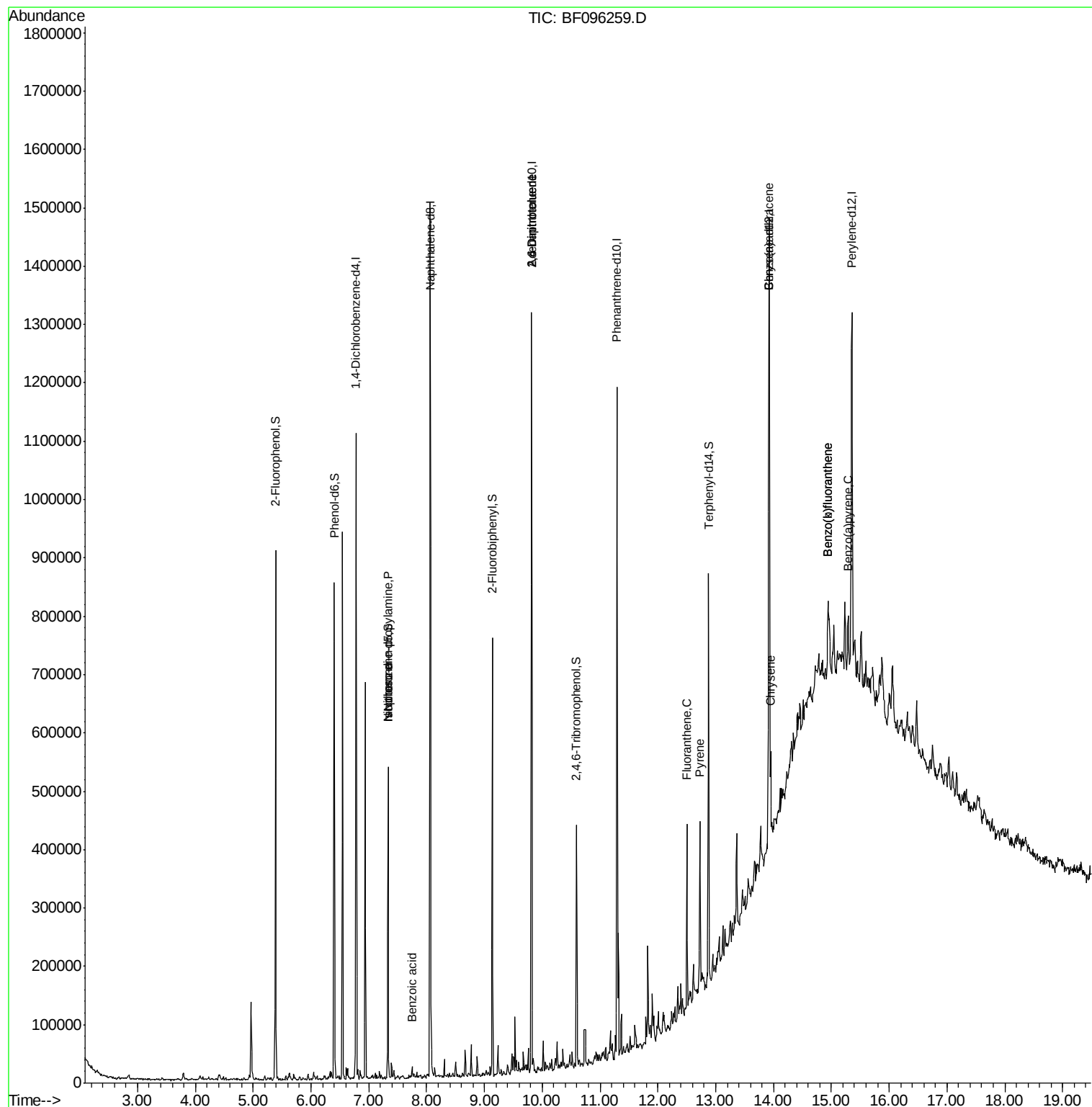
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	149587	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	585076	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	227308	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	377638	20.00	ng	0.00
75) Chrysene-d12	13.93	240	369414	20.00	ng	0.01
86) Perylene-d12	15.36	264	287952	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	219197	21.11	ng	0.00
7) Phenol-d6	6.40	99	257517	20.48	ng	0.01
23) Nitrobenzene-d5	7.33	82	127883	15.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	44346	24.79	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	227746	18.35	ng	-0.01
78) Terphenyl-d14	12.87	244	189011	12.77	ng	0.00
Target Compounds						
9) Benzaldehyde	6.55	77	4150	Below Cal		Qvalue 89
19) n-Nitroso-di-n-propylamine	7.33	70	15621	2.07 ng	#	76
25) Isophorone	7.33	82	127745	6.66 ng	#	67
32) Benzoic acid	7.75	122	4734	9.42 ng		94
50) 2,6-Dinitrotoluene	9.82	165	30040	8.88 ng	#	33
56) 2,4-Dinitrotoluene	9.82	165	30040	7.04 ng	#	33
57) Fluorene	10.36	166	4787	Below Cal	#	94
70) Phenanthrene	11.32	178	66486	Below Cal		98
74) Fluoranthene	12.50	202	115922	5.53 ng		97
77) Pyrene	12.73	202	108608	3.58 ng		96
80) Benzo(a)anthracene	13.92	228	57190	2.54 ng		94
82) Chrysene	13.95	228	65212	2.80 ng		93
87) Benzo(b)fluoranthene	14.94	252	94741	5.01 ng	#	83
88) Benzo(k)fluoranthene	14.94	252	94741	5.49 ng	#	87
89) Benzo(a)pyrene	15.29	252	39205	2.35 ng	#	75

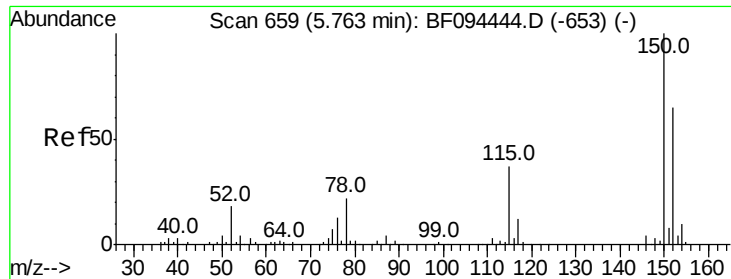
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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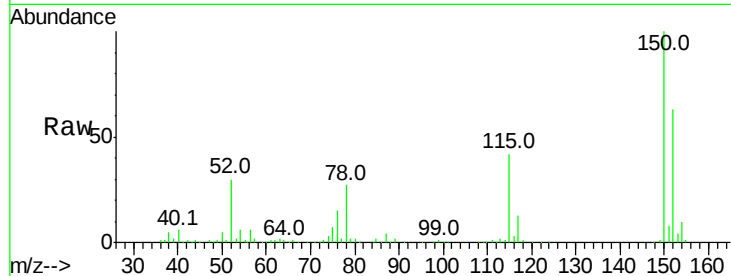


#1

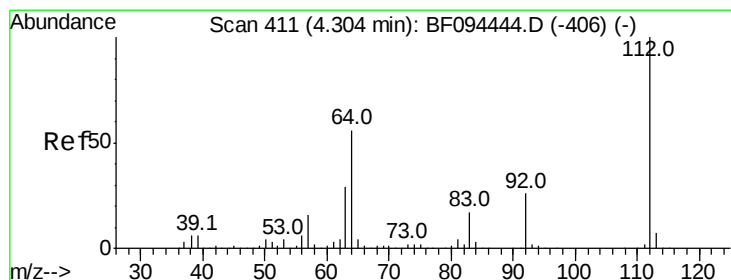
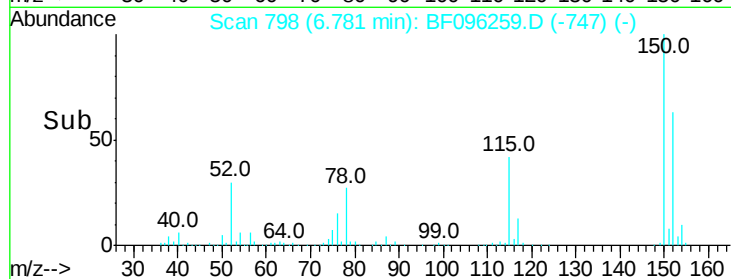
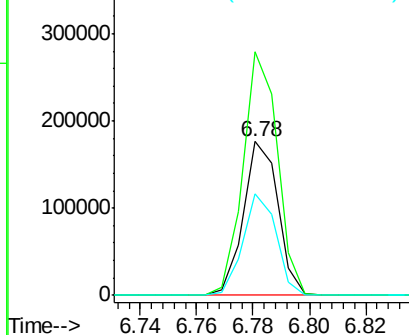
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149587
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 65.9 52.2 78.2



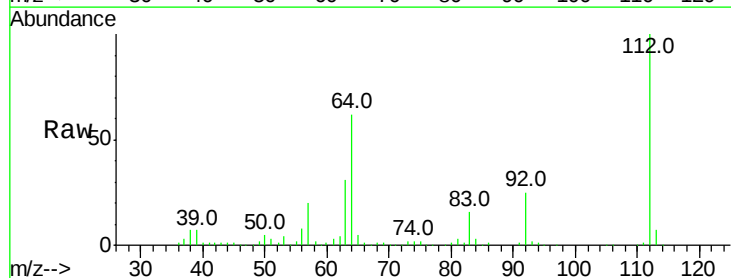
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



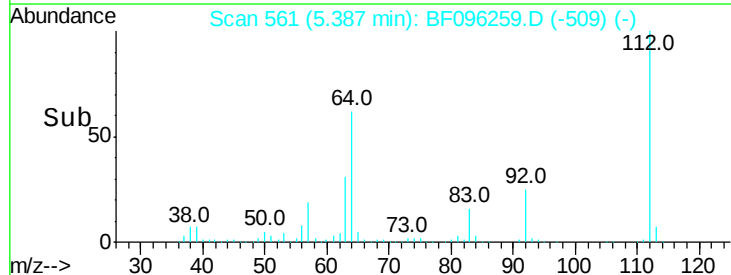
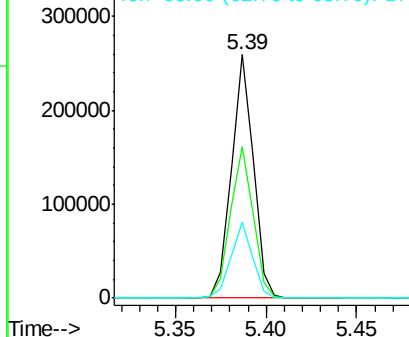
#5

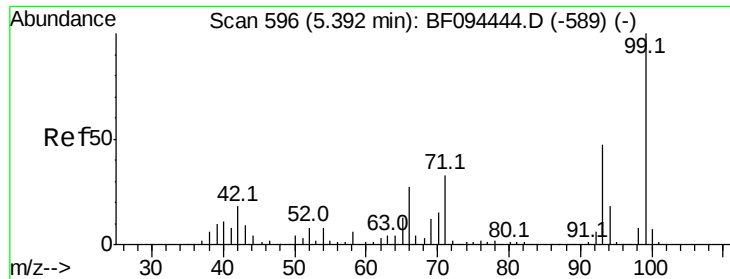
2-Fluorophenol
Concen: 21.11 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Tgt Ion:112 Resp: 219197
Ion Ratio Lower Upper
112 100
64 62.0 46.0 69.0
63 31.0 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: 20.48 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

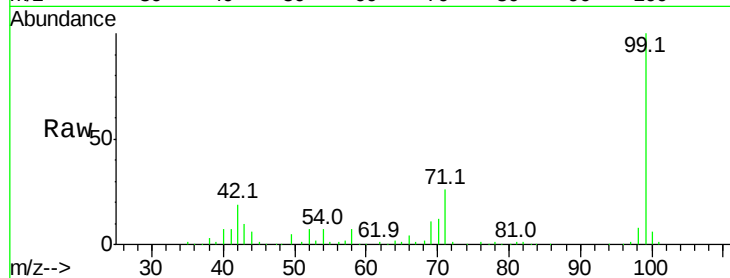
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 257517

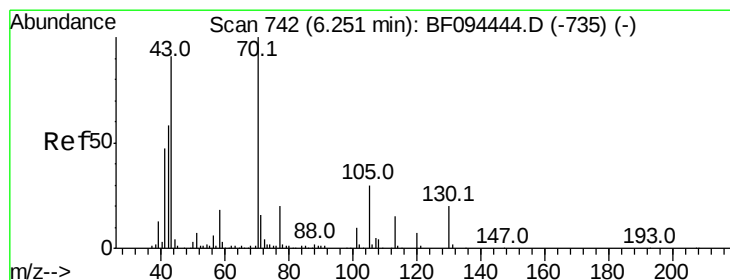
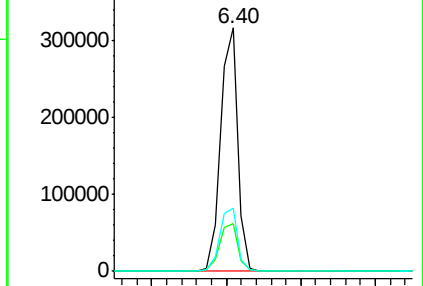
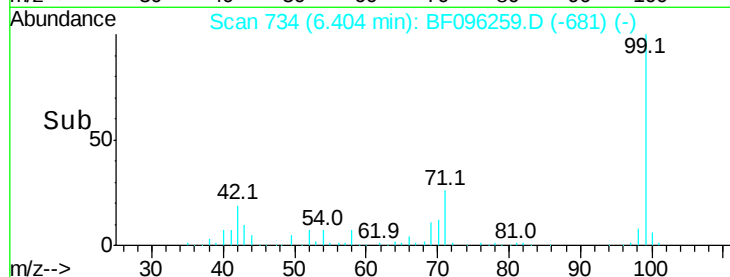
Ion	Ratio	Lower	Upper
99	100		
42	19.4	13.5	20.3
71	25.9	24.5	36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.07 ng

RT: 7.33 min Scan# 892

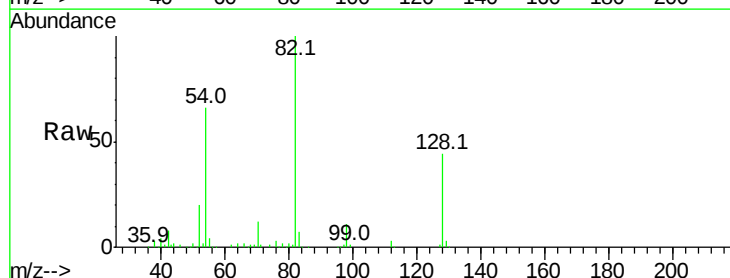
Delta R.T. 0.15 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Tgt Ion: 70 Resp: 15621

Ion	Ratio	Lower	Upper
70	100		
42	73.6	47.2	70.8#
101	0.0	7.2	10.8#
130	2.7	15.9	23.9#

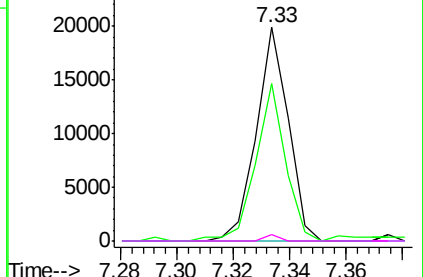
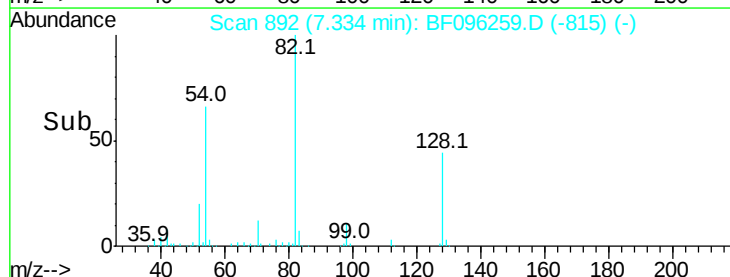


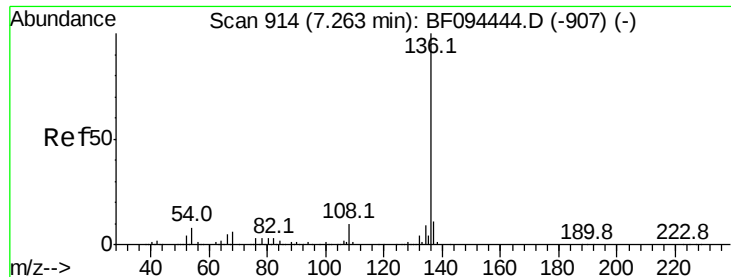
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF096259.D

Acq: 28 Jun 2017 19:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 585076

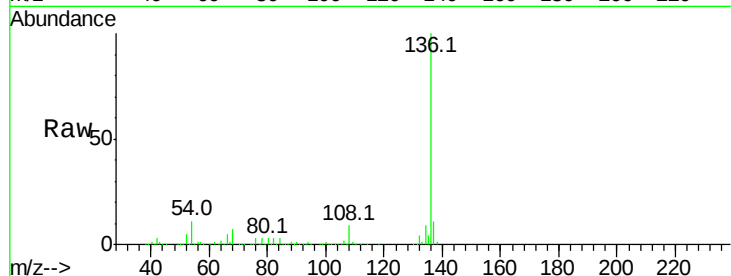
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.1 4.9 7.3#

68 7.0 4.1 6.1#

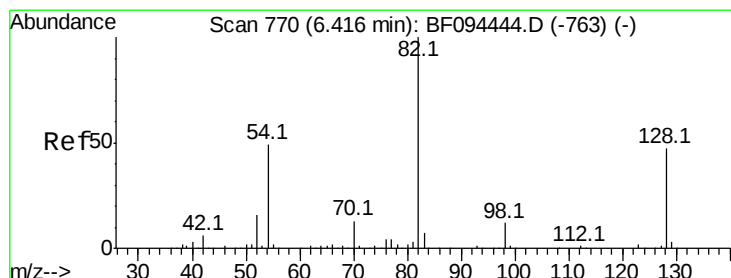
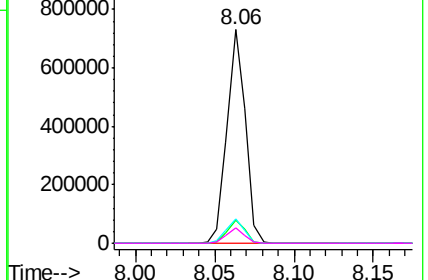
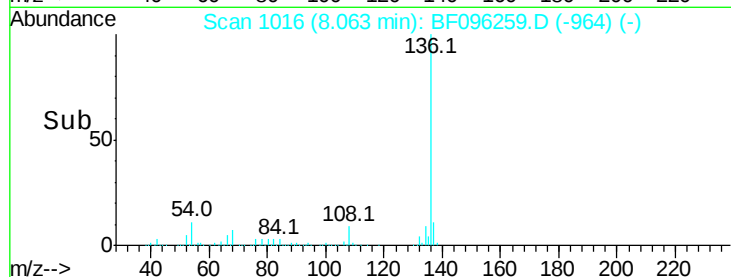


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.13 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

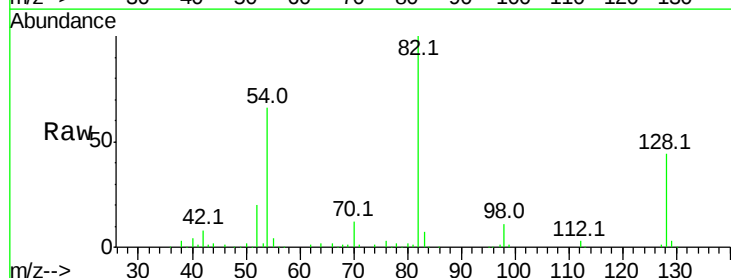
Tgt Ion: 82 Resp: 127883

Ion Ratio Lower Upper

82 100

128 44.2 34.0 51.0

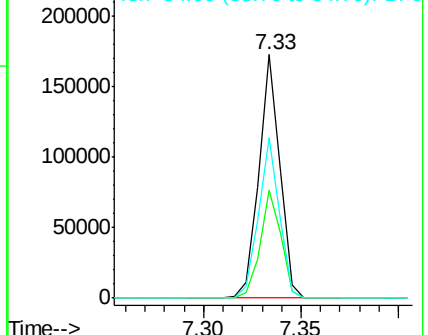
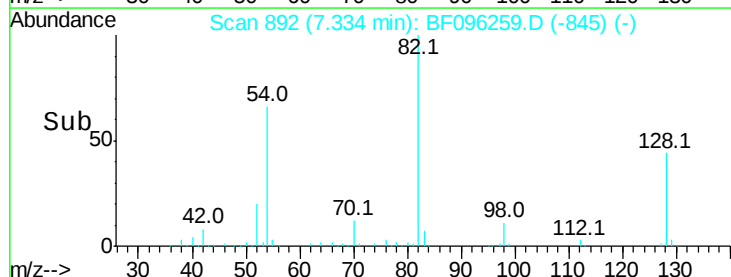
54 65.8 42.2 63.2#

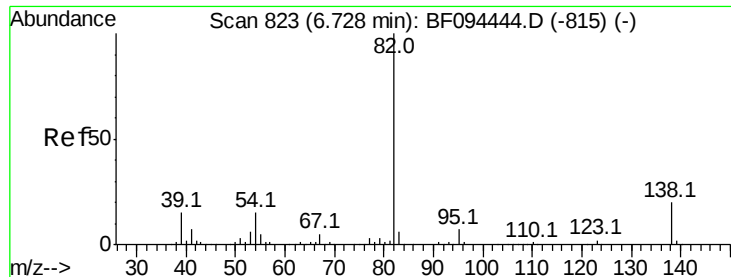


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.66 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Instrument :

BNA_F

ClientSampleId :

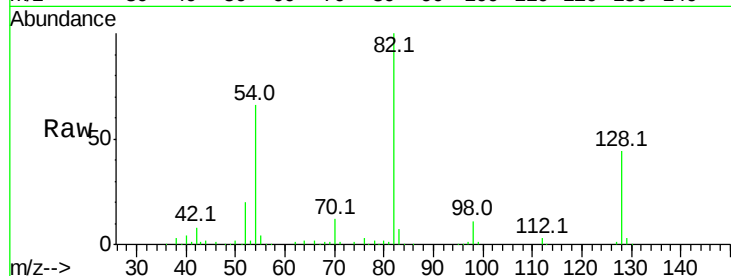
Tot Ion: 82 Resp: 127745

Ion Ratio Lower Upper

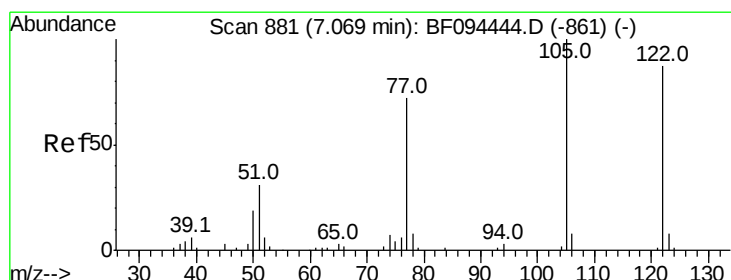
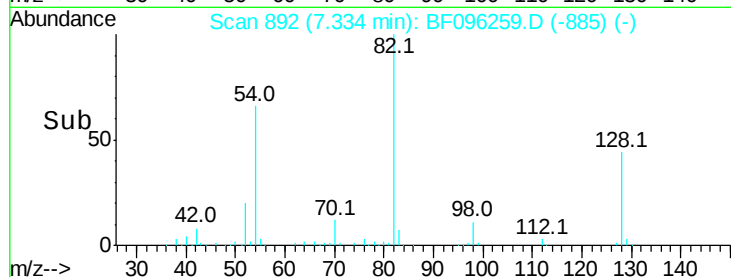
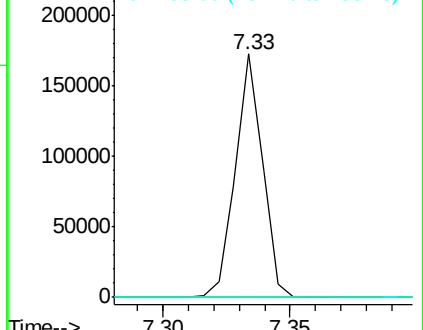
82 100

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: 9.42 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.13 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

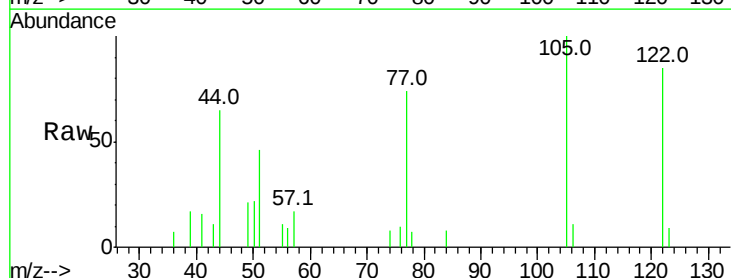
Tgt Ion: 122 Resp: 4734

Ion Ratio Lower Upper

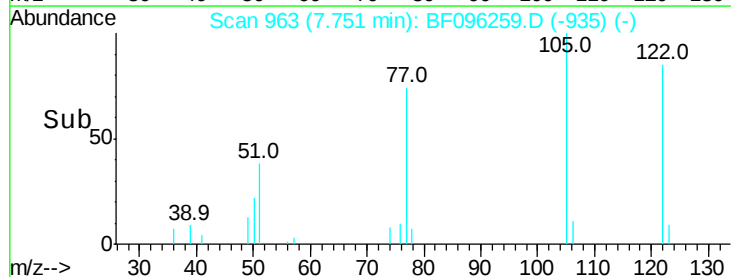
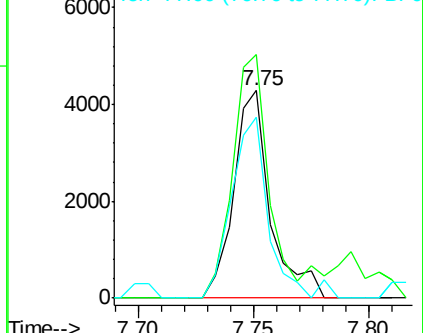
122 100

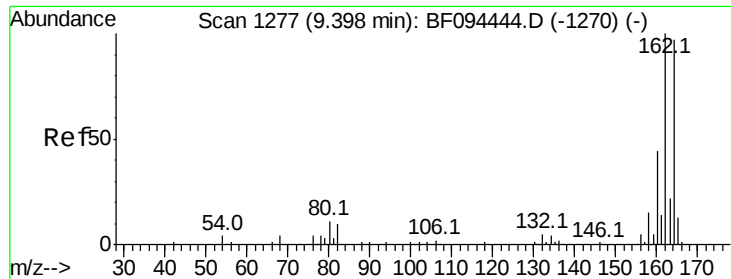
105 117.3 103.3 143.3

77 87.1 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

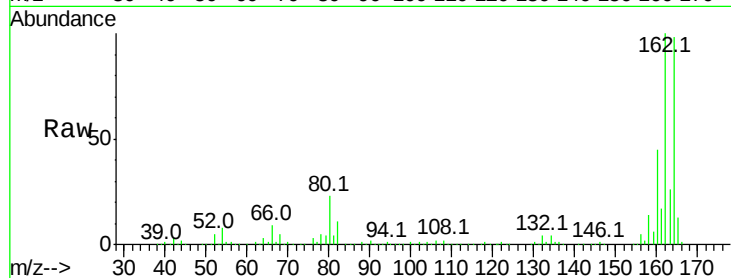




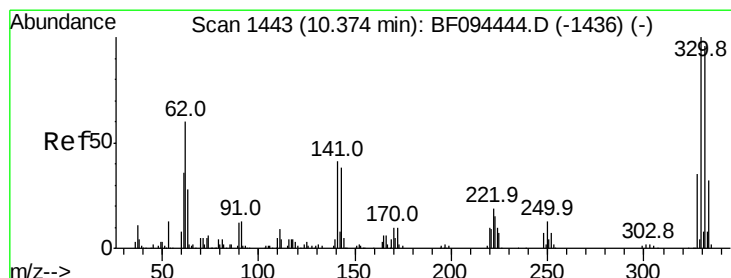
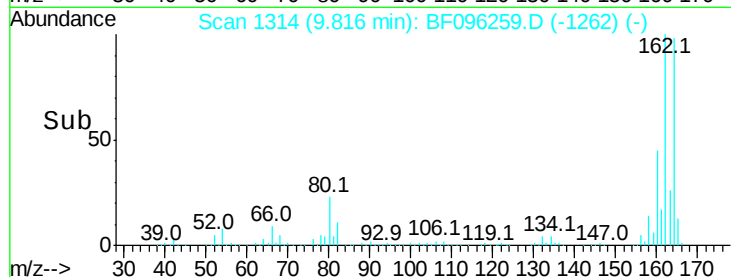
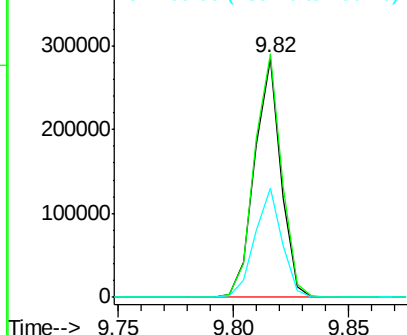
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096259.D
 Acq: 28 Jun 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 227308
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 45.6 36.2 54.2

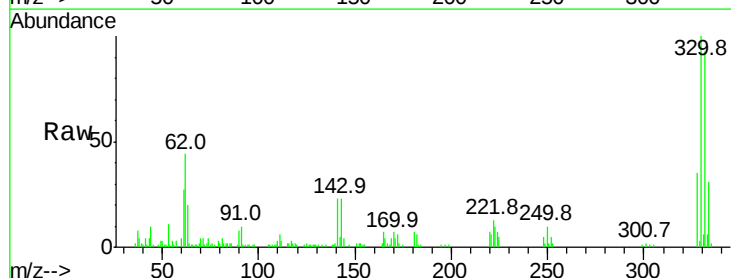


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

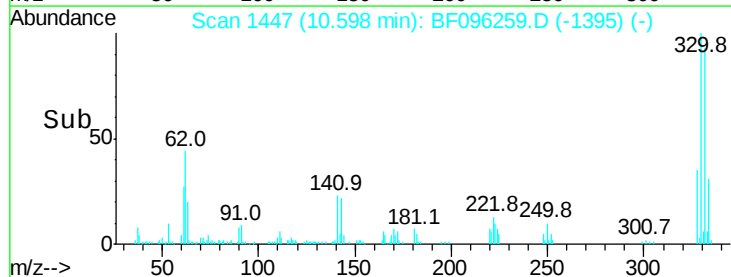
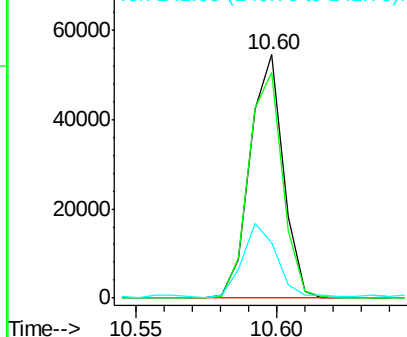


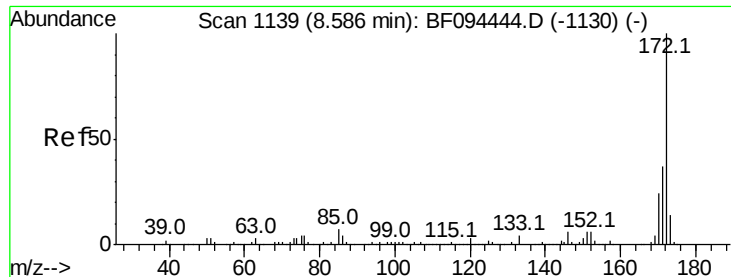
#41
 2,4,6-Tribromophenol
 Concen: 24.79 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096259.D
 Acq: 28 Jun 2017 19:47

Tgt Ion:330 Resp: 44346
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 115.0
 141 33.0 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

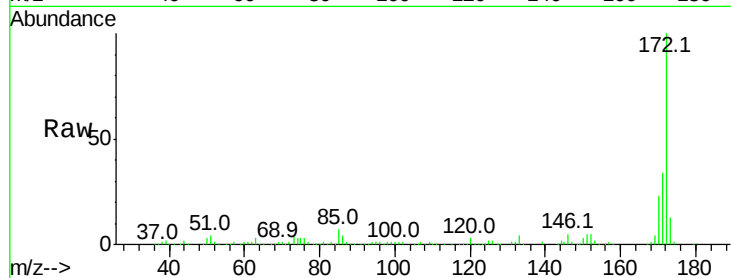




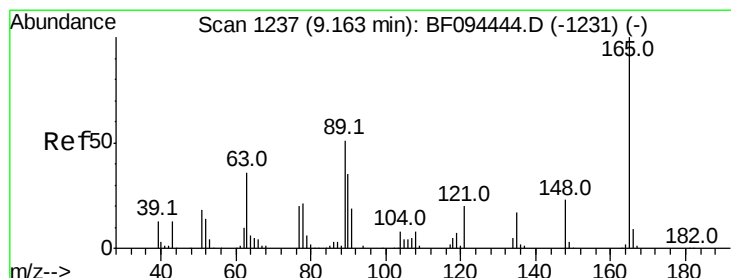
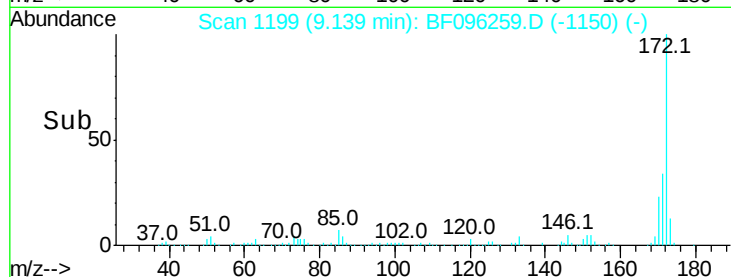
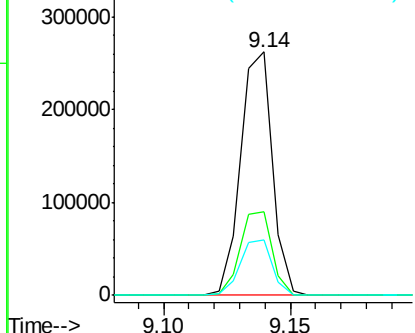
#44
2-Fluorobiphenyl
Concen: 18.35 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	22.7	19.8	29.8

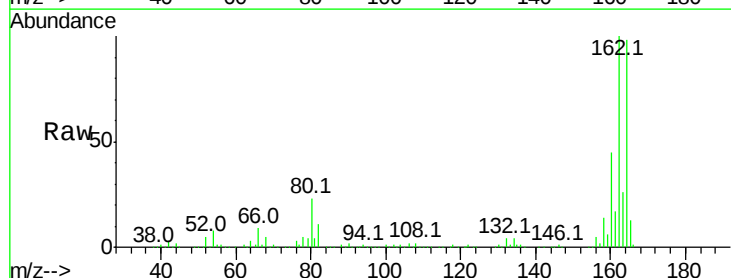


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

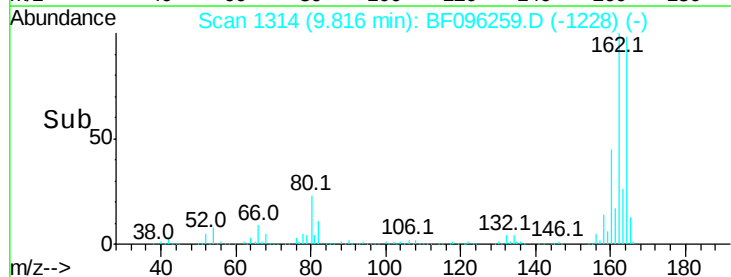
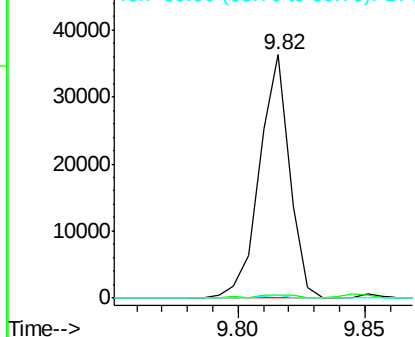


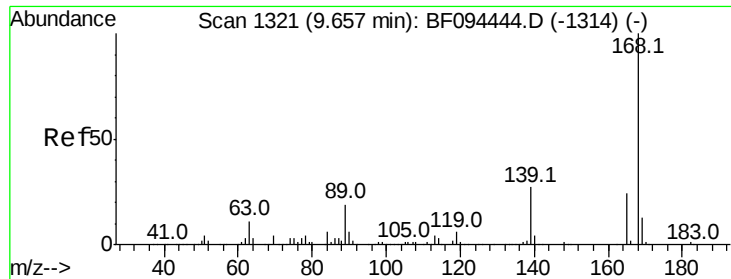
#50
2,6-Dinitrotoluene
Concen: 8.88 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.21 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	1.1	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

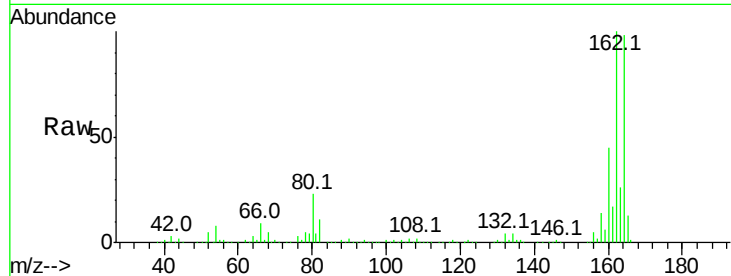




#56
2,4-Dinitrotoluene
Concen: 7.04 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	30040
Ion Ratio	Lower	Upper	
165	100		
63	1.3	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#

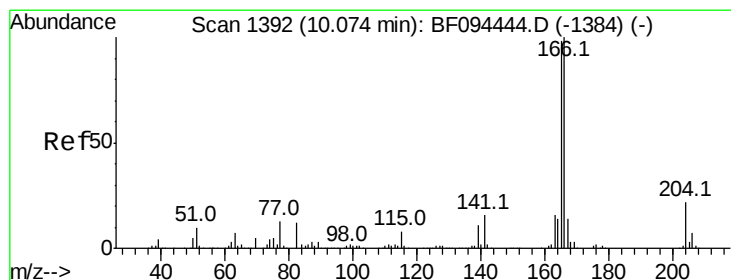
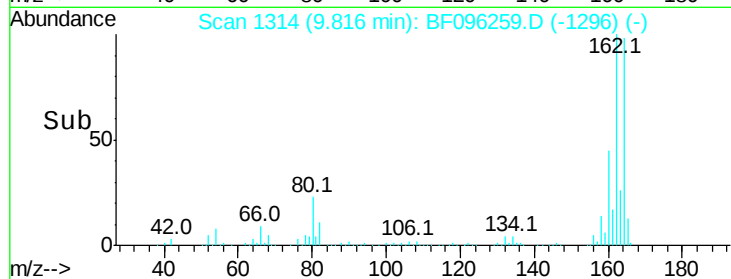
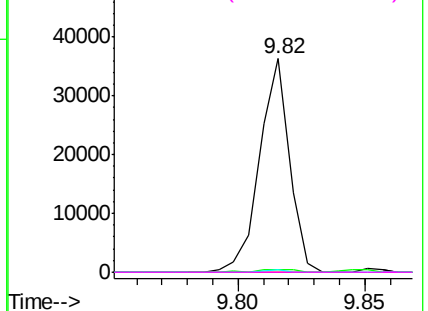


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

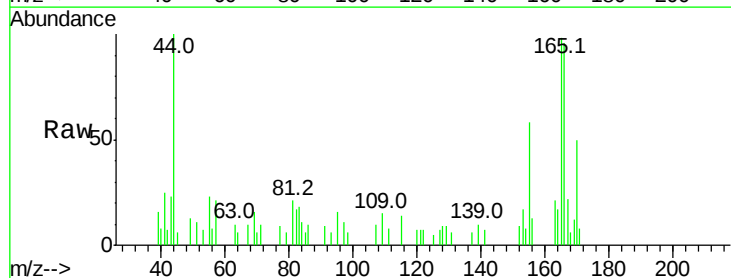
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.36 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

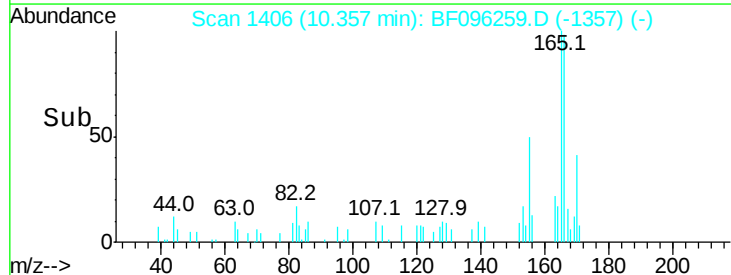
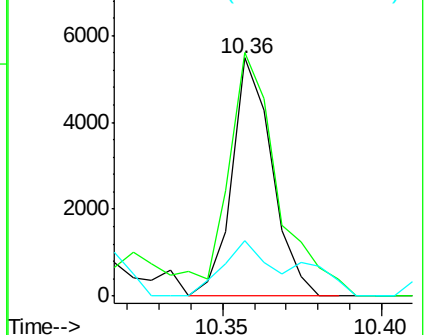
Tgt Ion:	166	Resp:	4787
Ion Ratio	Lower	Upper	
166	100		
165	102.4	78.8	118.2
167	23.3	10.6	16.0#

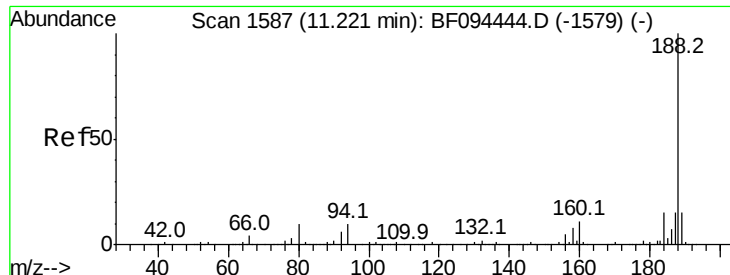


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

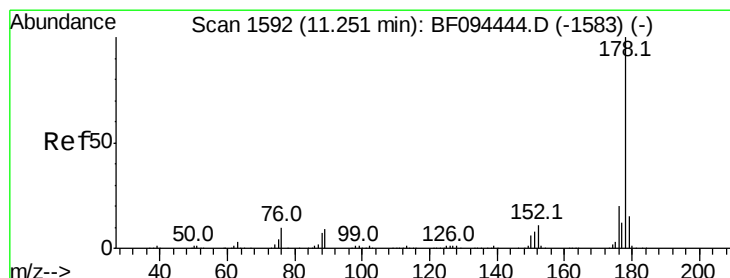
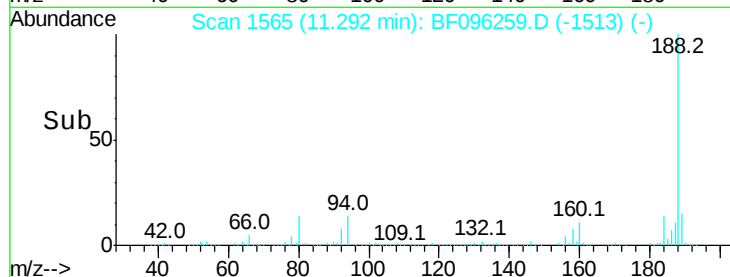
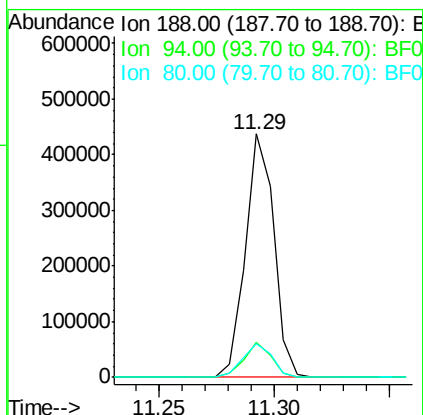
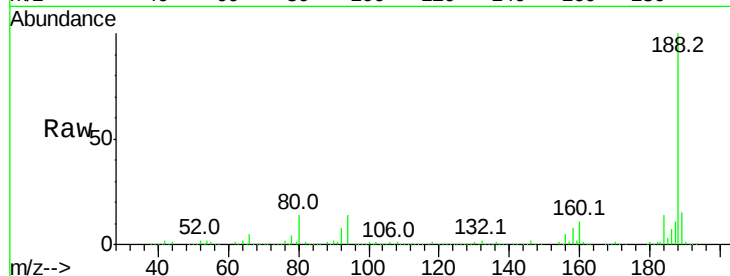




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF096259.D
 Acq: 28 Jun 2017 19:47

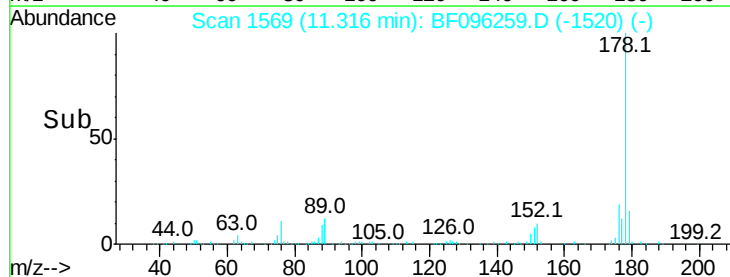
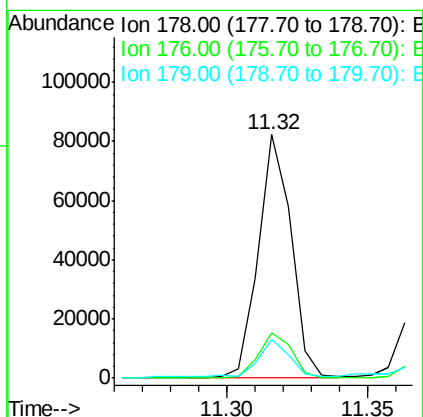
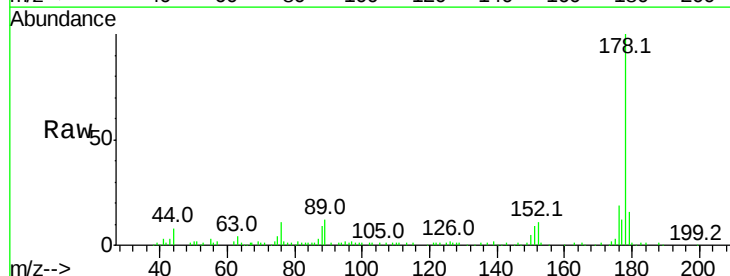
Instrument :
 BNA_F
 ClientSampled :

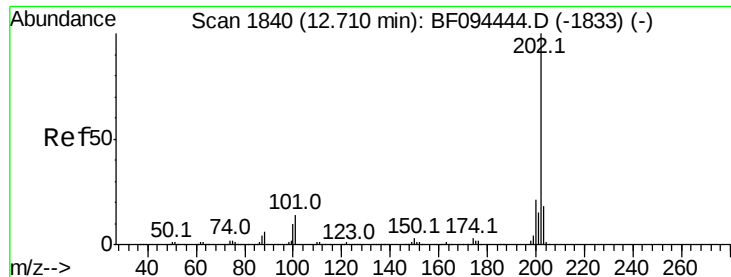
Tot Ion:188 Resp: 377638
 Ion Ratio Lower Upper
 188 100
 94 14.4 9.4 14.2#
 80 14.0 10.2 15.2



#70
 Phenanthrene
 Concen: Below Cal
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF096259.D
 Acq: 28 Jun 2017 19:47

Tgt Ion:178 Resp: 66486
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.4
 179 16.0 12.6 19.0





#74

Fluoranthene

Concen: 5.53 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Instrument :

BNA_F

ClientSampleId :

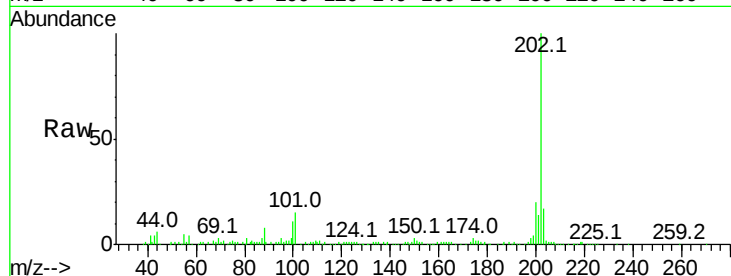
Tot Ion:202 Resp: 115922

Ion Ratio Lower Upper

202 100

101 14.8 0.0 33.2

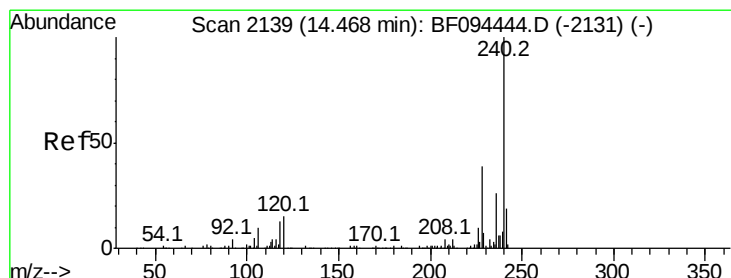
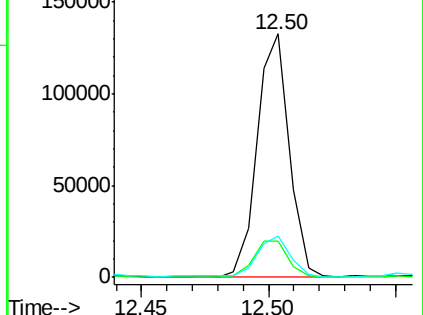
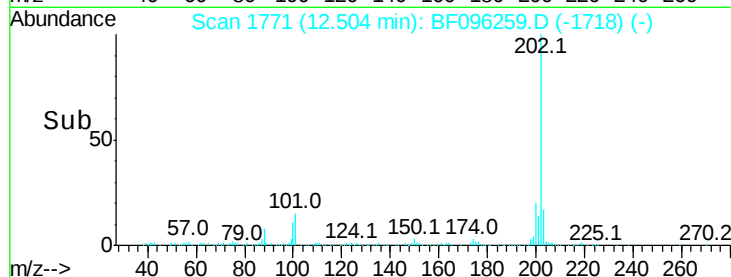
203 16.9 0.0 38.1



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: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

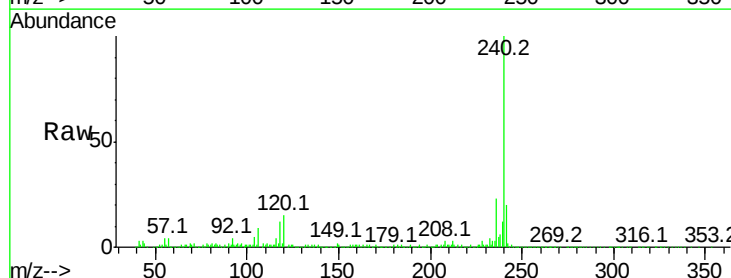
Tgt Ion:240 Resp: 369414

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

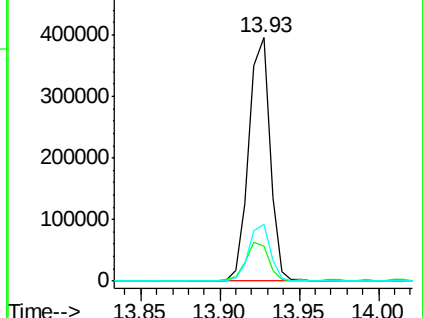
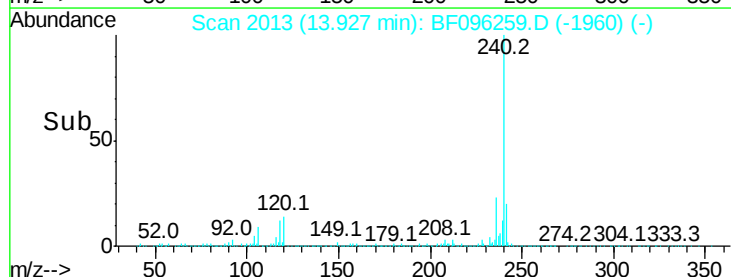
236 23.4 20.5 30.7

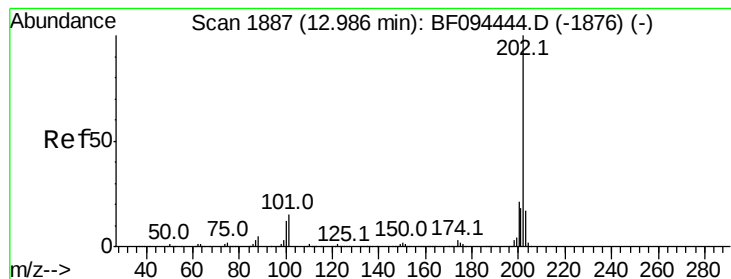


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.58 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Instrument :

BNA_F

ClientSampleId :

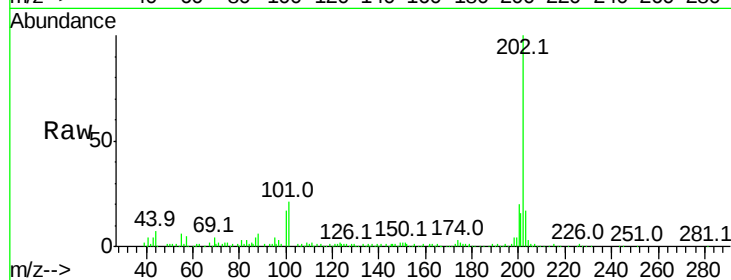
Tot Ion:202 Resp: 108608

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

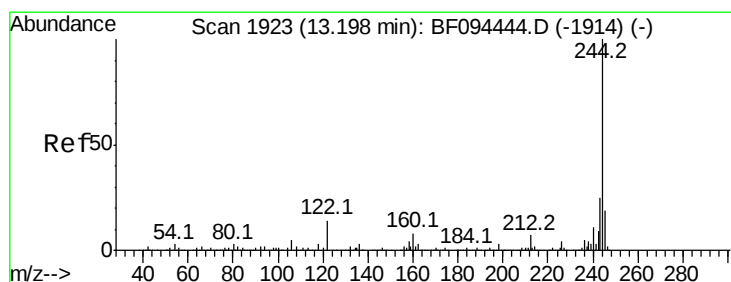
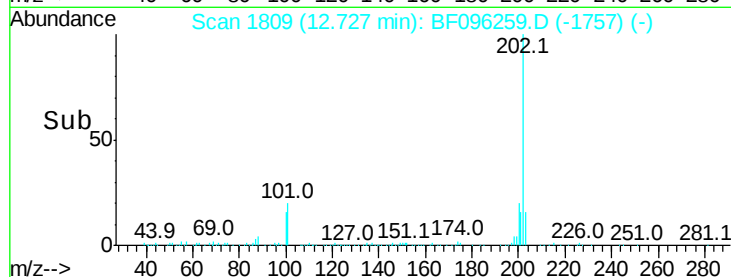
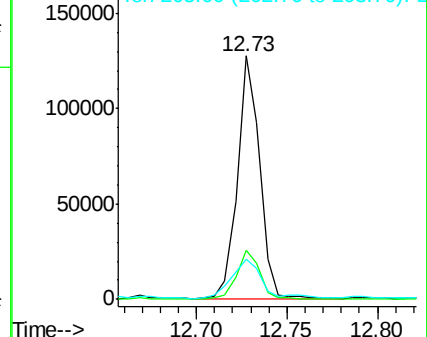
203 16.6 14.4 21.6



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: 12.77 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

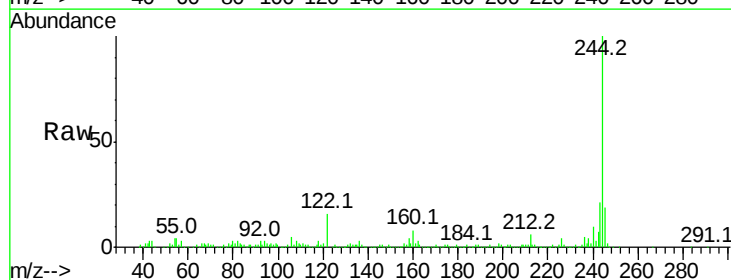
Tgt Ion:244 Resp: 189011

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

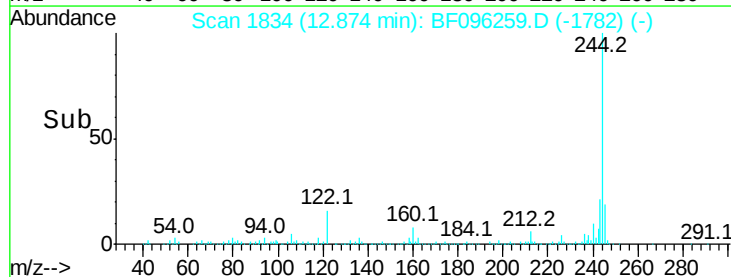
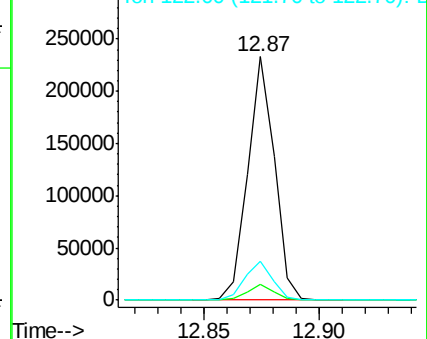
122 16.1 10.3 15.5#

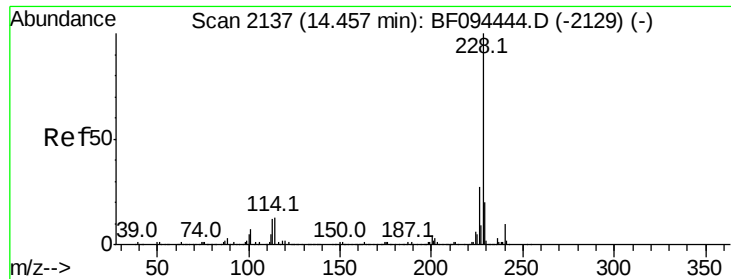


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.54 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

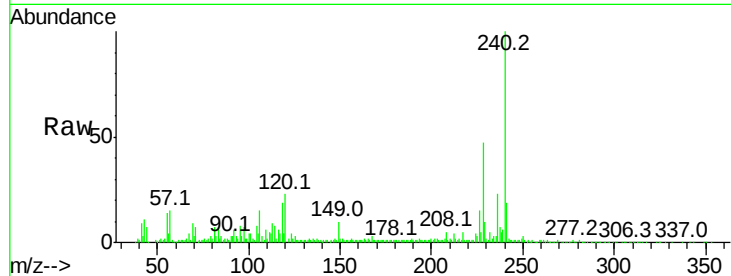
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 57190

Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.6	33.8
229	21.4	16.3	24.5

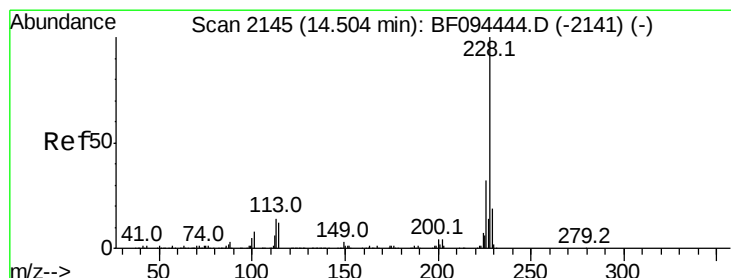
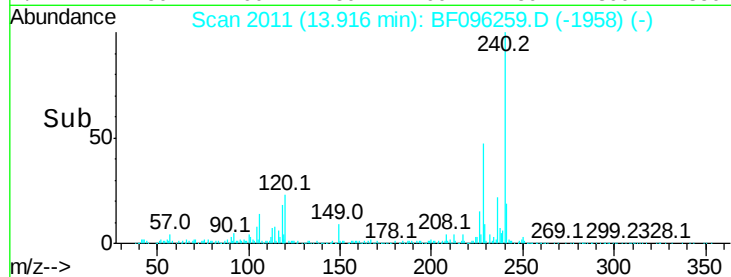
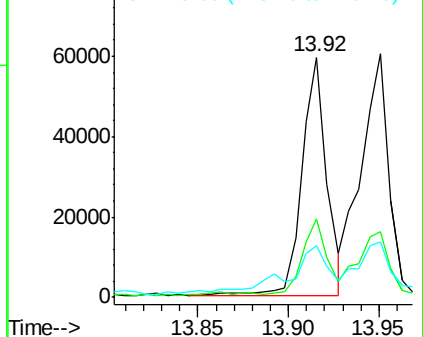


Abundance

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: 2.80 ng

RT: 13.95 min Scan# 2017

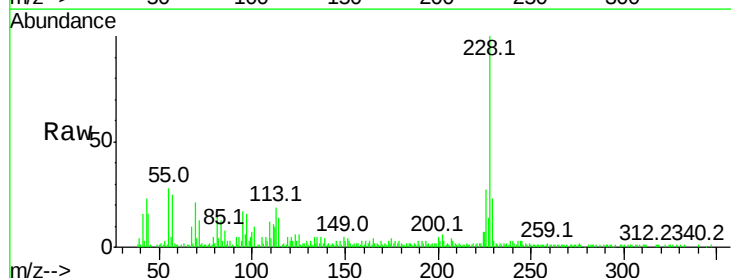
Delta R.T. 0.01 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Tgt Ion:228 Resp: 65212

Ion	Ratio	Lower	Upper
228	100		
226	26.9	24.9	37.3
229	22.9	15.8	23.6

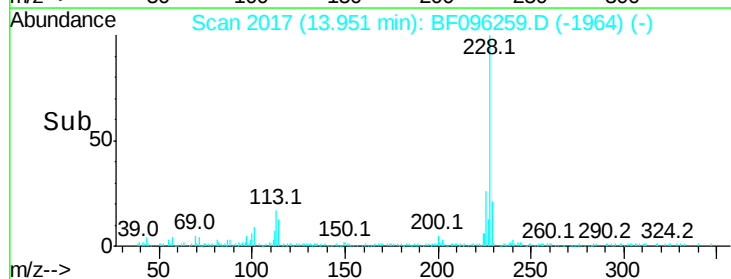
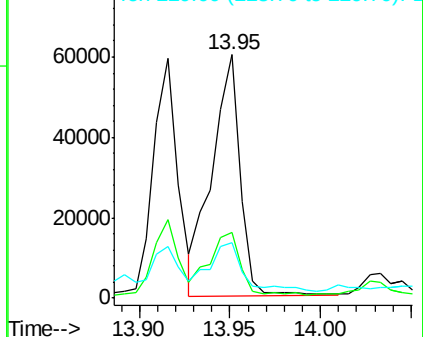


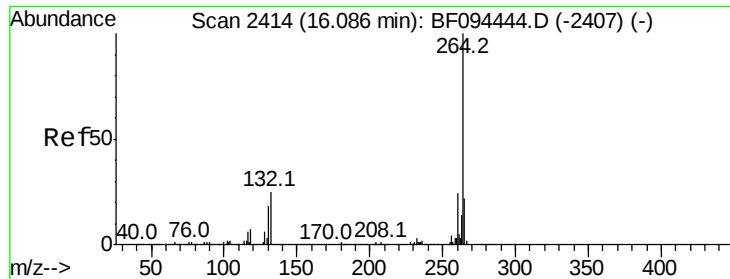
Abundance

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

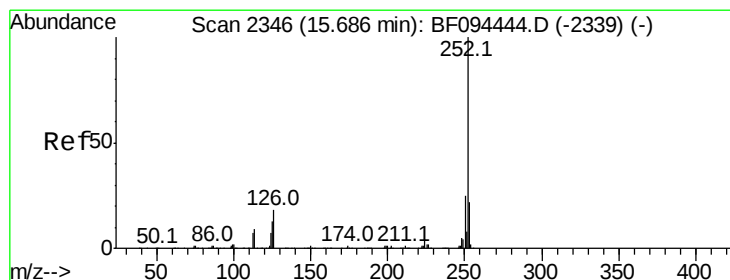
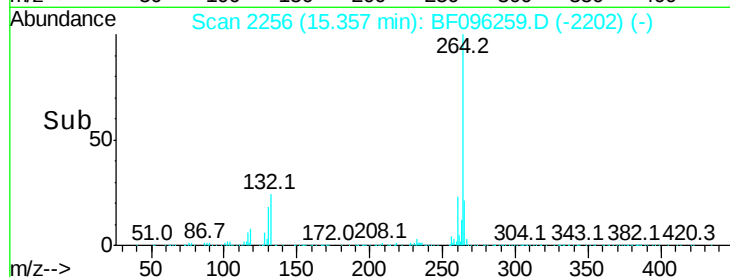
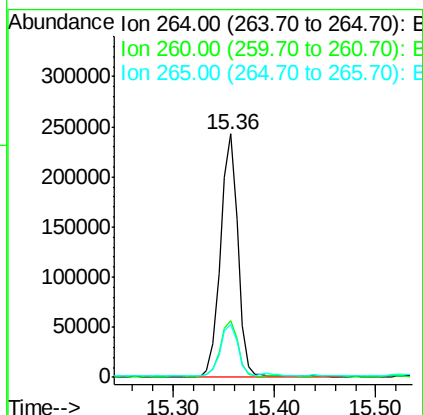
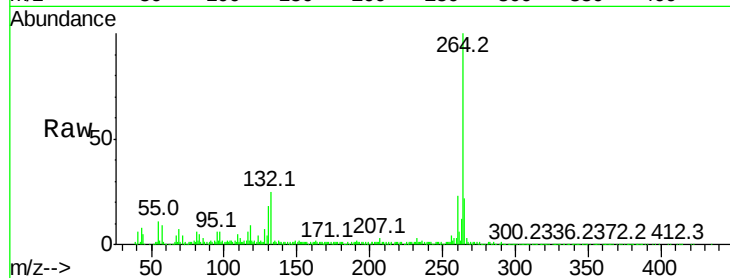




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.02 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

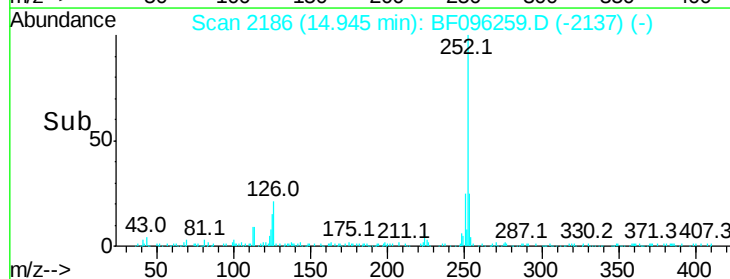
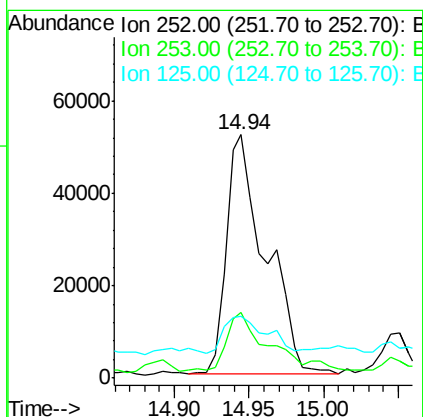
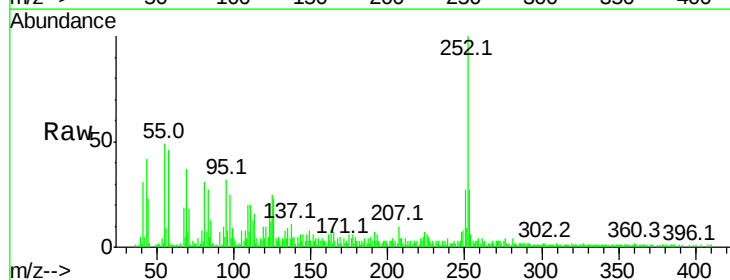
Instrument :
BNA_F
ClientSampleId :

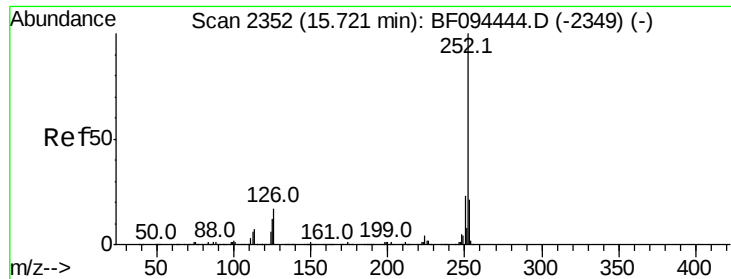
Tot Ion:264 Resp: 287952
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.01 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF096259.D
Acq: 28 Jun 2017 19:47

Tgt Ion:252 Resp: 94741
Ion Ratio Lower Upper
252 100
253 26.8 18.1 27.1
125 25.2 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 5.49 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

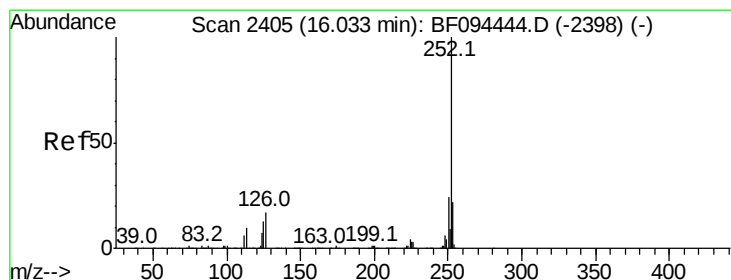
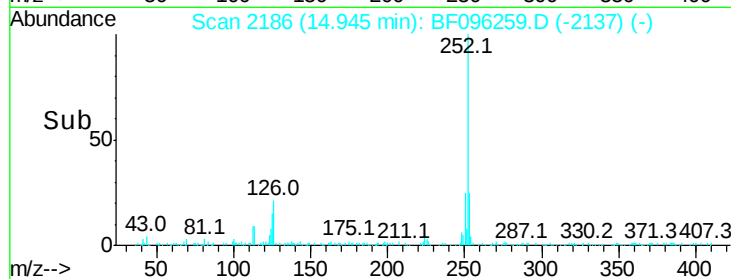
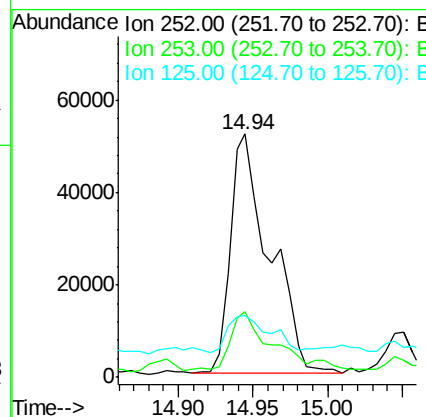
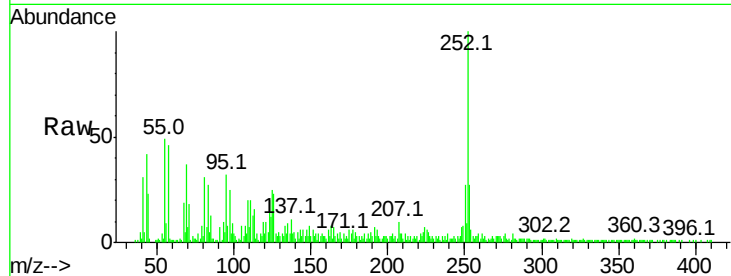
Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 94741

Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.4	27.6
125	25.2	13.1	19.7#



#89

Benzo(a)pyrene

Concen: 2.35 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.02 min

Lab File: BF096259.D

Acq: 28 Jun 2017 19:47

Tgt Ion:252 Resp: 39205

Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.5	26.3#
125	30.7	11.0	16.4#

