

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096312.D
 Acq On : 30 Jun 2017 00:43
 Operator : SJ/MA
 Sample : I3882-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 03:55:09 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

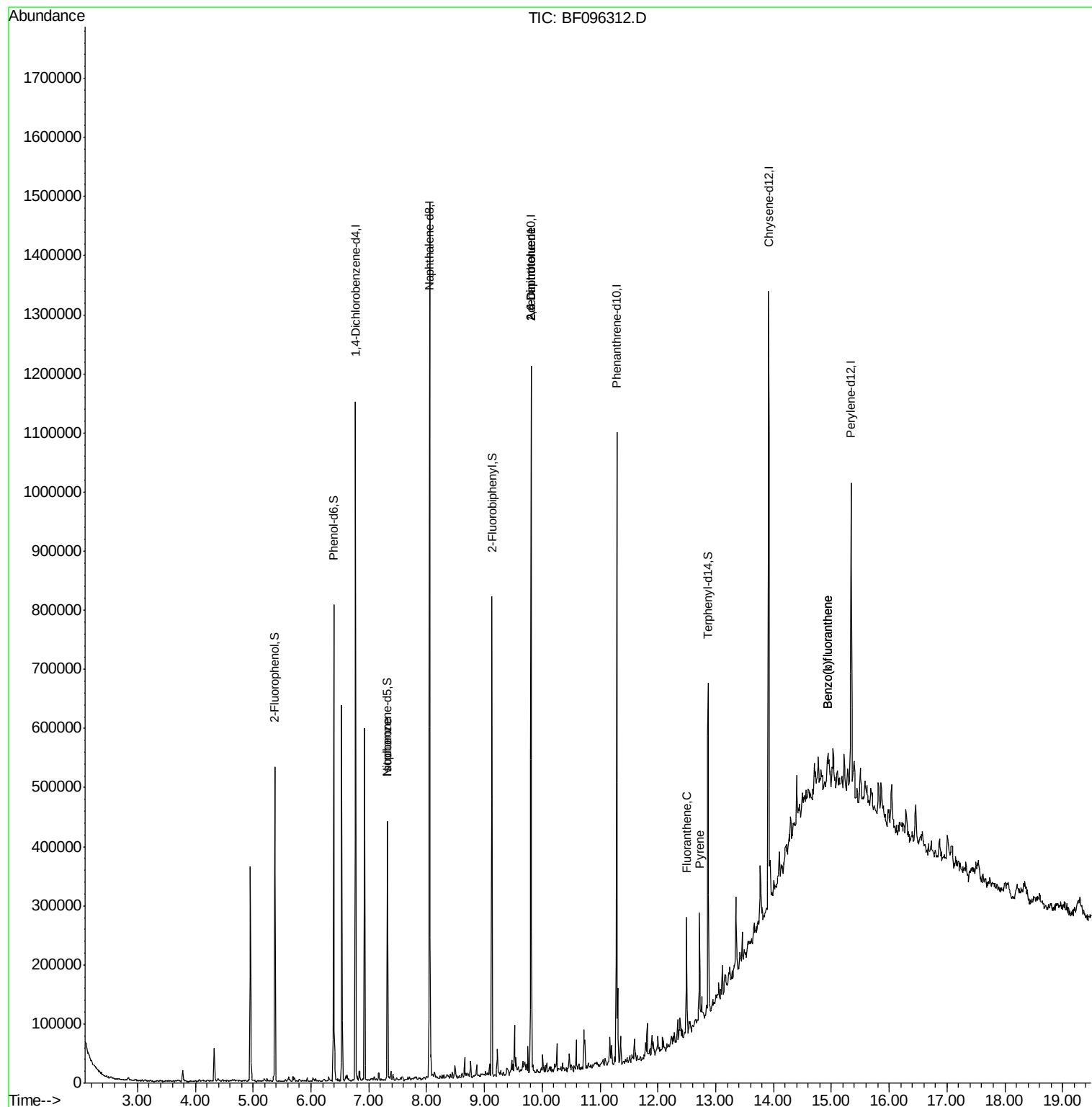
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	165704	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	639329	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	225889	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	338539	20.00	ng	0.00
75) Chrysene-d12	13.92	240	331690	20.00	ng	0.00
86) Perylene-d12	15.34	264	229272	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	130218	11.32	ng	0.00
7) Phenol-d6	6.39	99	221473	15.90	ng	0.00
23) Nitrobenzene-d5	7.32	82	117992	12.78	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	3492	1.96	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	213314	17.29	ng	-0.02
78) Terphenyl-d14	12.87	244	155531	11.70	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	912	Below Cal		Qvalue 83
25) Isophorone	7.32	82	117990	5.63 ng	#	67
50) 2,6-Dinitrotoluene	9.80	165	28754	8.55 ng	#	33
56) 2,4-Dinitrotoluene	9.80	165	28754	6.78 ng	#	33
57) Fluorene	10.35	166	2360	Below Cal	#	84
70) Phenanthrene	11.31	178	41614	Below Cal		97
74) Fluoranthene	12.49	202	67846	3.61 ng		93
77) Pyrene	12.72	202	65930	2.42 ng		97
87) Benzo(b)fluoranthene	14.93	252	38999	2.59 ng	#	67
88) Benzo(k)fluoranthene	14.93	252	38999	2.84 ng	#	71

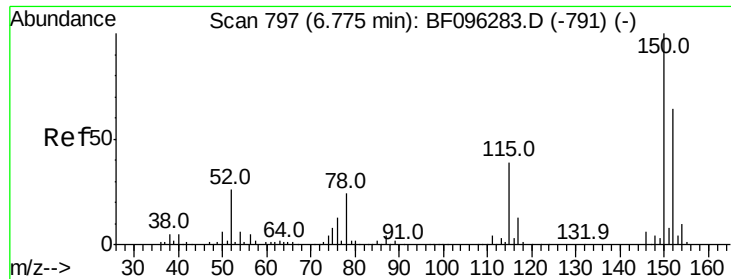
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
Data File : BF096312.D
Acq On : 30 Jun 2017 00:43
Operator : SJ/MA
Sample : I3882-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 30 03:55:09 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



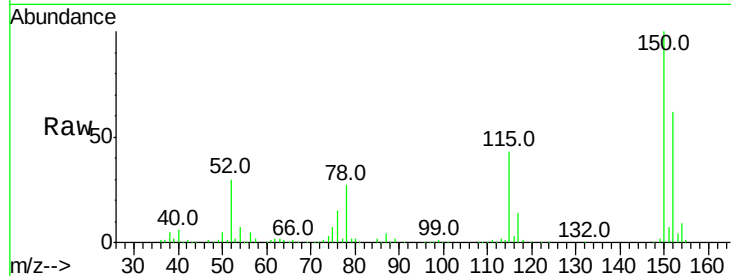


#1

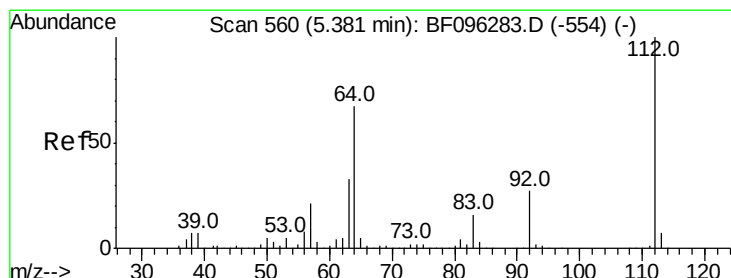
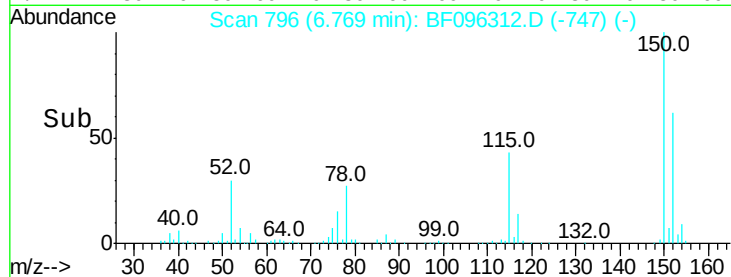
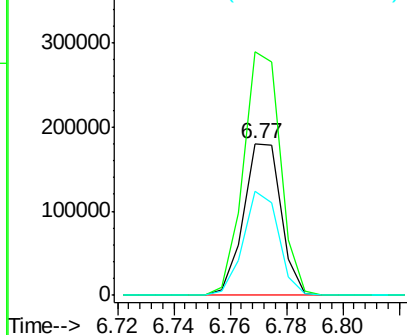
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096312.D
Acq: 30 Jun 2017 00:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165704
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.2
115 68.7 52.2 78.2



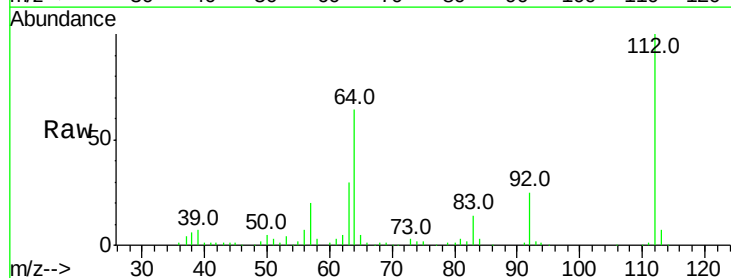
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



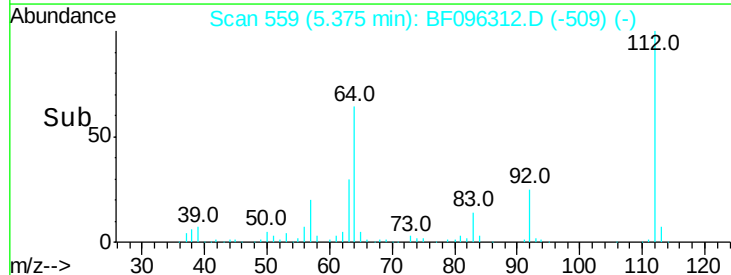
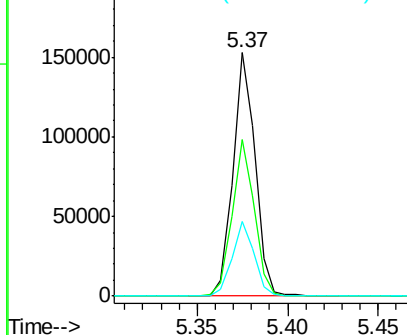
#5

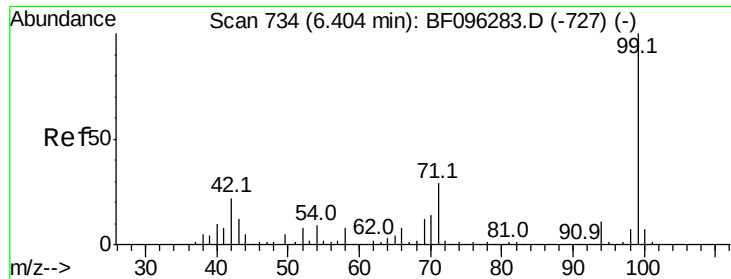
2-Fluorophenol
Concen: 11.32 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096312.D
Acq: 30 Jun 2017 00:43

Tgt Ion:112 Resp: 130218
Ion Ratio Lower Upper
112 100
64 64.3 46.0 69.0
63 30.4 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: 15.90 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096312.D

Acq: 30 Jun 2017 00:43

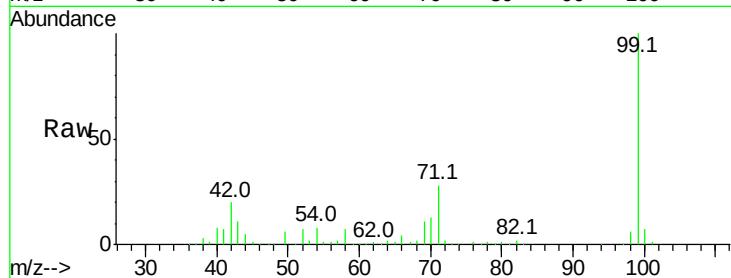
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 221473

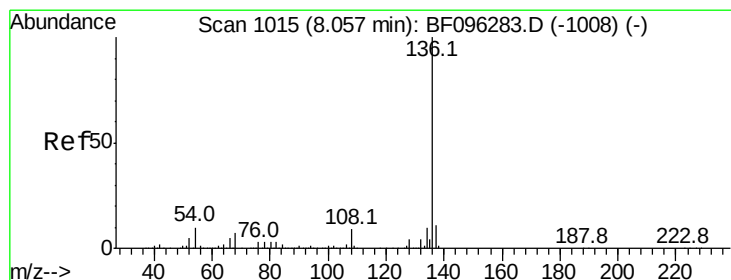
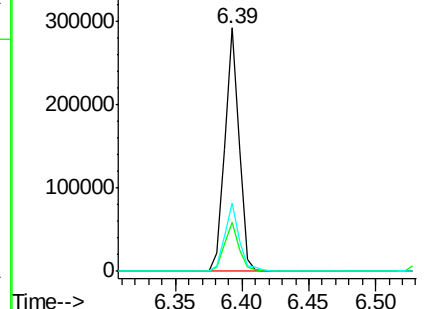
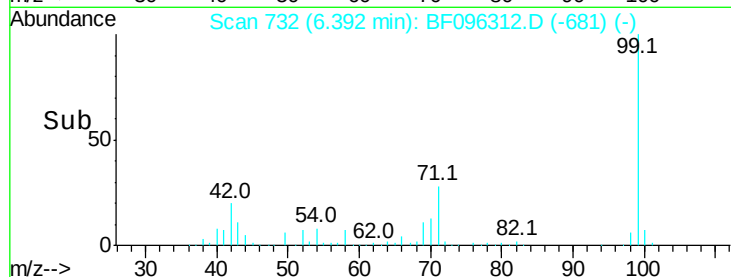
Ion	Ratio	Lower	Upper
99	100		
42	20.4	13.5	20.3#
71	27.8	24.5	36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

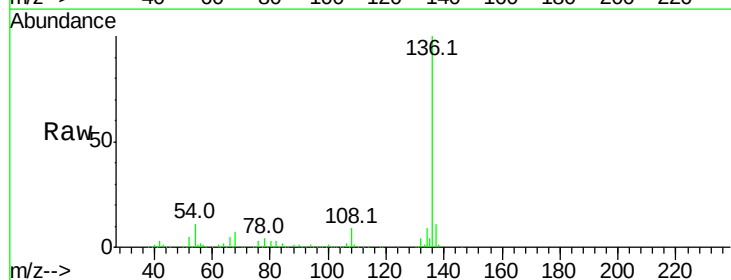
Delta R.T. -0.01 min

Lab File: BF096312.D

Acq: 30 Jun 2017 00:43

Tgt Ion: 136 Resp: 639329

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.3	4.9	7.3#
68	7.1	4.1	6.1#

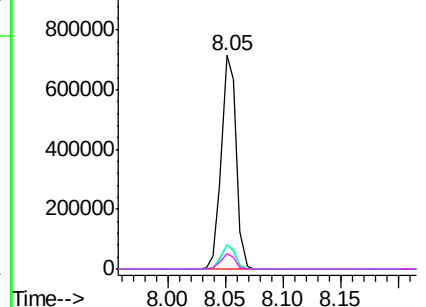
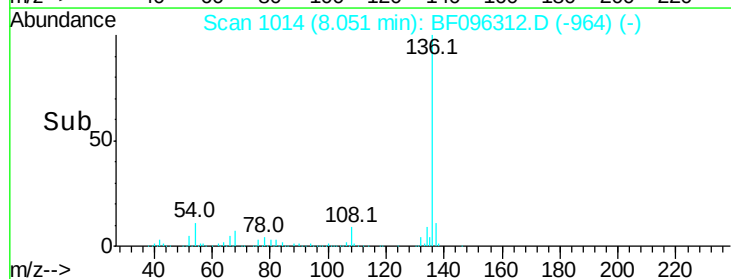


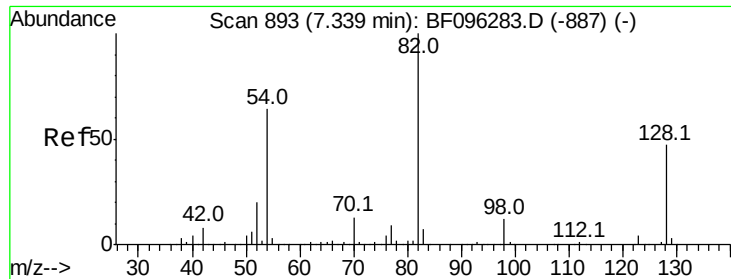
Abundance Ion 136.00 (135.70 to 136.70): E

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

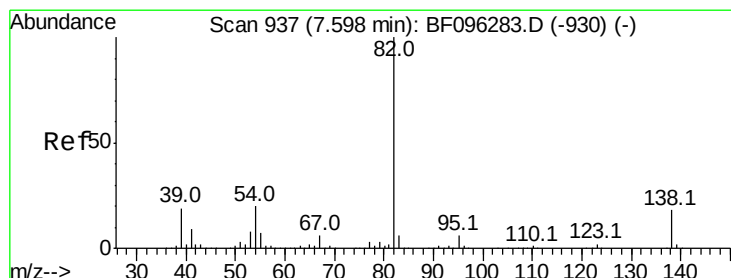
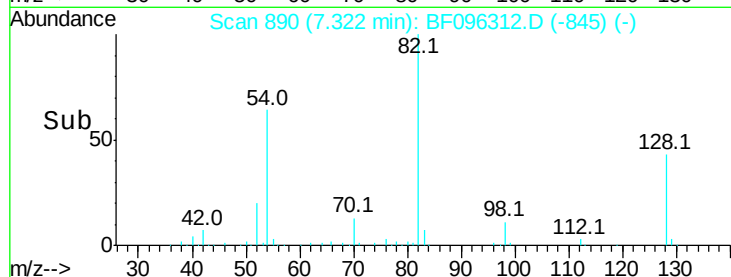
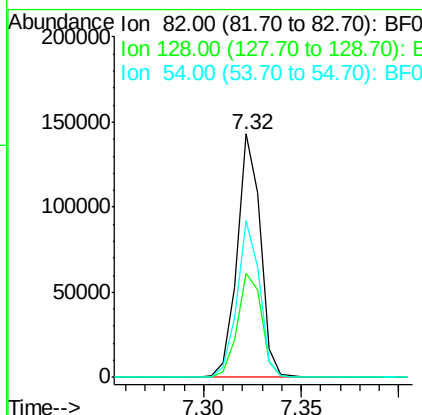
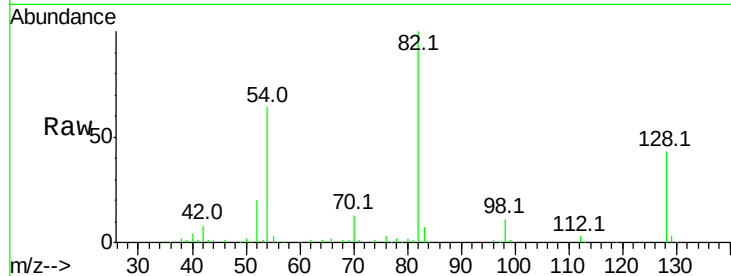




#23
 Nitrobenzene-d5
 Concen: 12.78 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.04 min
 Lab File: BF096312.D
 Acq: 30 Jun 2017 00:43

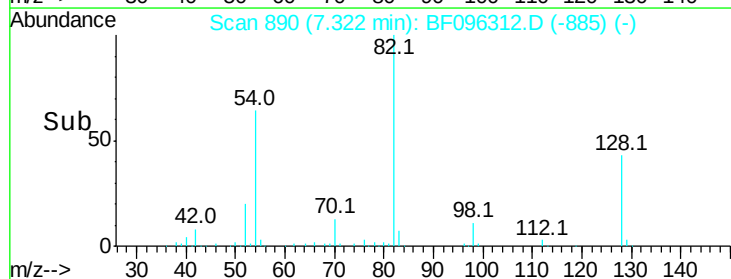
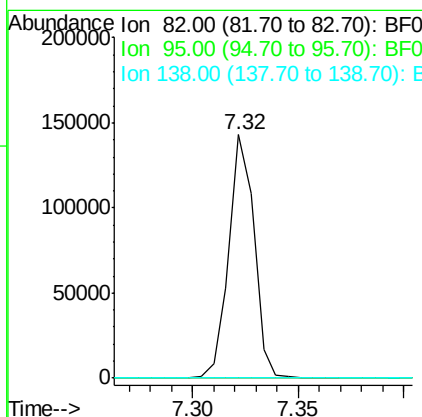
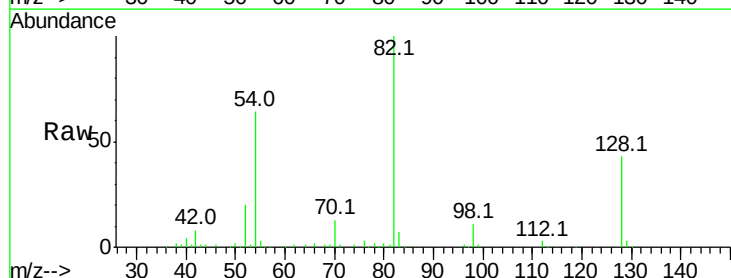
Instrument :
 BNA_F
 ClientSampled :

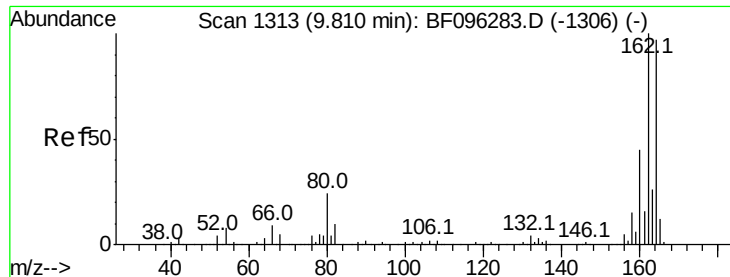
Tot Ion: 82 Resp: 117992
 Ion Ratio Lower Upper
 82 100
 128 43.0 34.0 51.0
 54 64.4 42.2 63.2#



#25
 Isophorone
 Concen: 5.63 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.27 min
 Lab File: BF096312.D
 Acq: 30 Jun 2017 00:43

Tgt Ion: 82 Resp: 117990
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

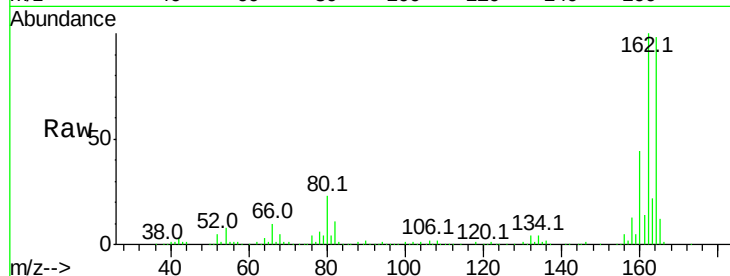




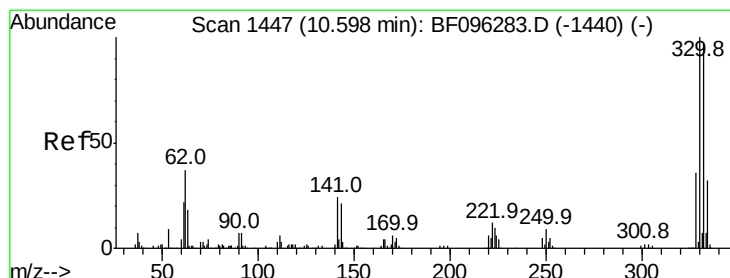
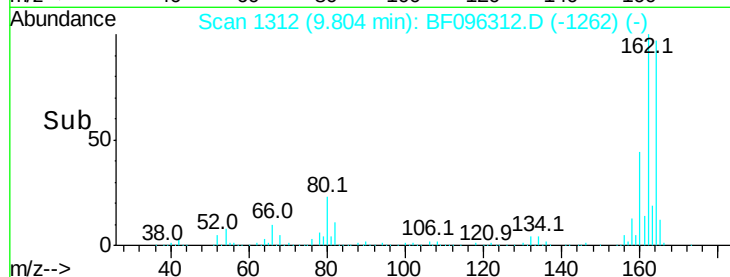
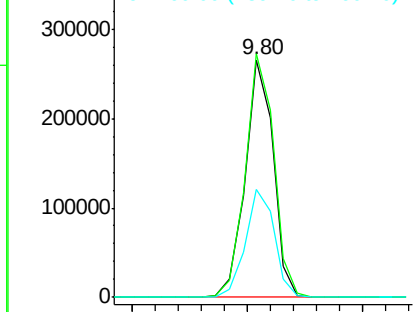
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF096312.D
 Acq: 30 Jun 2017 00:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	45.2	36.2	54.2

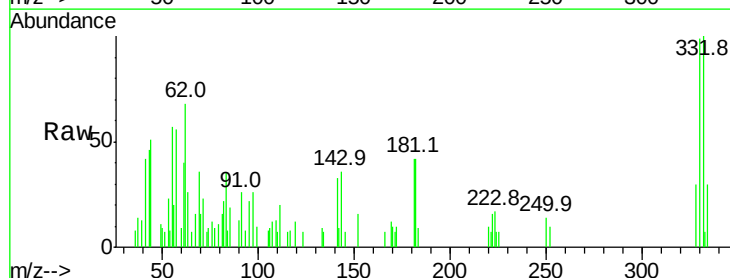


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

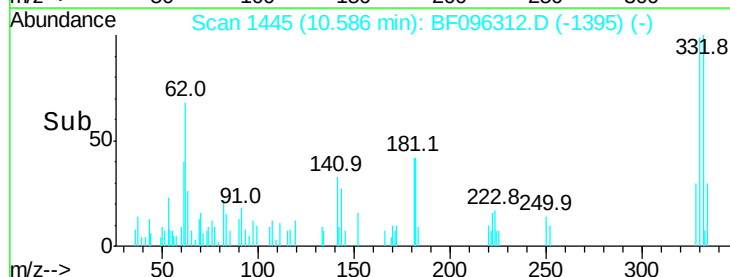
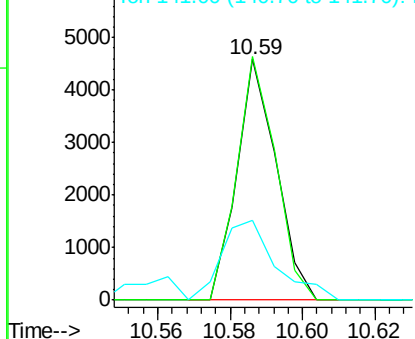


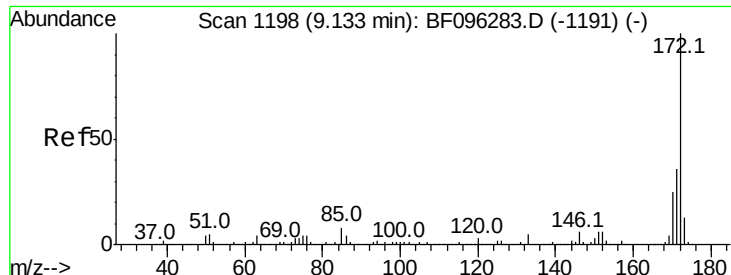
#41
 2,4,6-Tribromophenol
 Concen: 1.96 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096312.D
 Acq: 30 Jun 2017 00:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.6	76.6	115.0
141	45.9	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

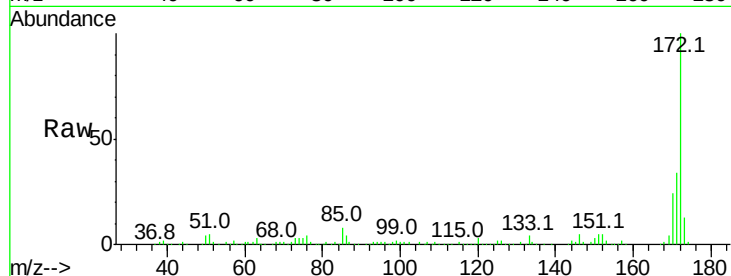




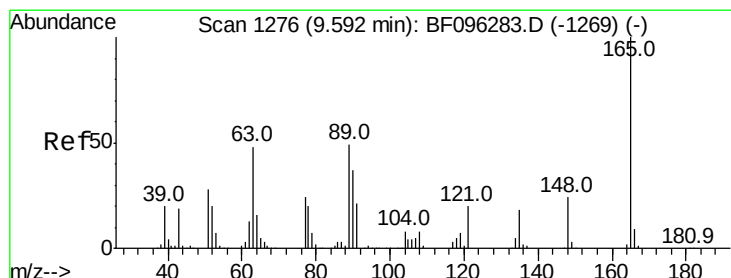
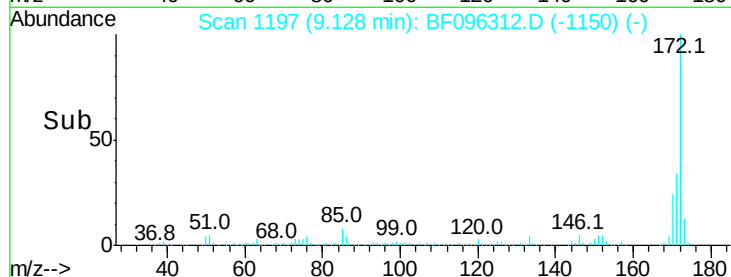
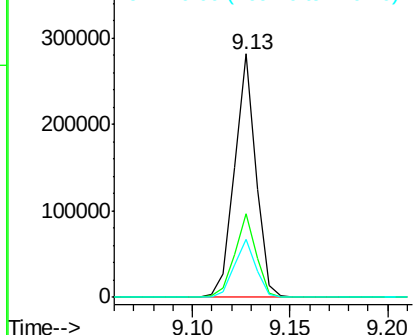
#44
 2-Fluorobiphenyl
 Concen: 17.29 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096312.D
 Acq: 30 Jun 2017 00:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.6	44.4
170	23.7	19.8	29.8

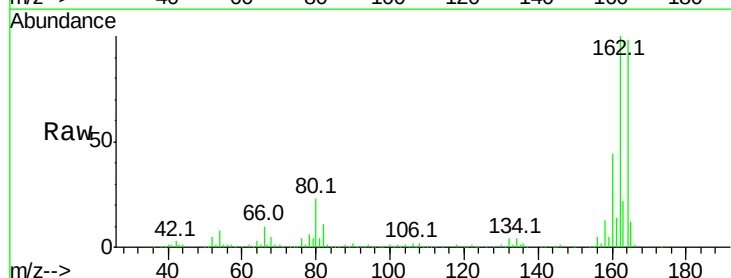


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

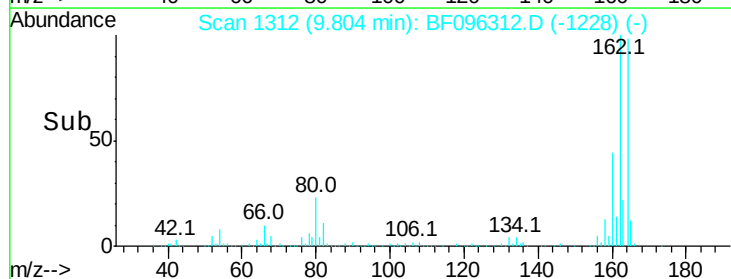
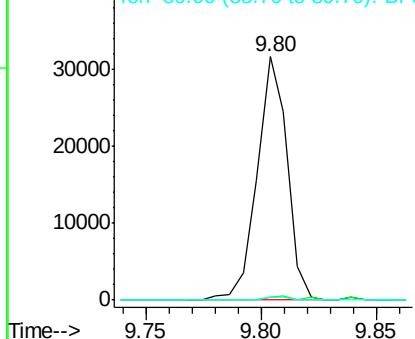


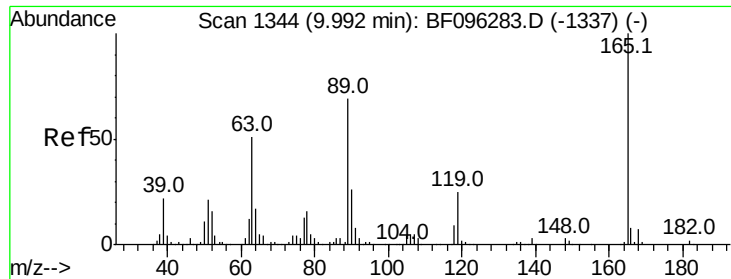
#50
 2,6-Dinitrotoluene
 Concen: 8.55 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.19 min
 Lab File: BF096312.D
 Acq: 30 Jun 2017 00:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	1.4	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: 6.78 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096312.D

Acq: 30 Jun 2017 00:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 28754

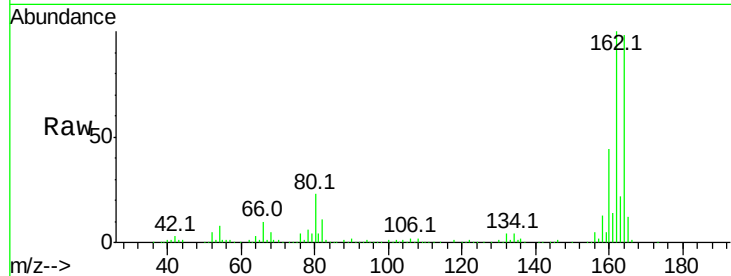
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

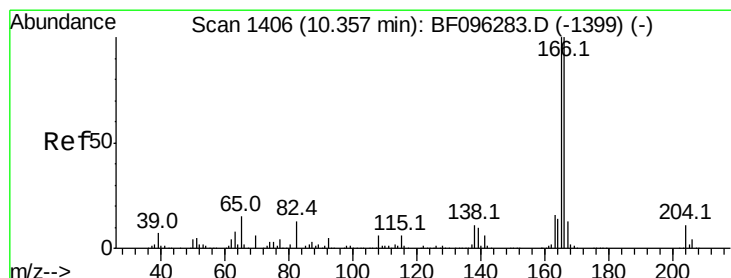
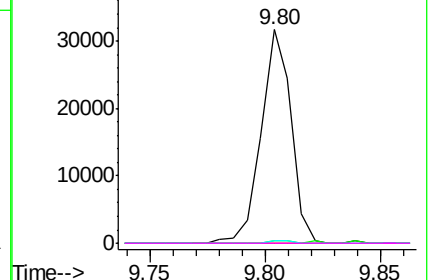
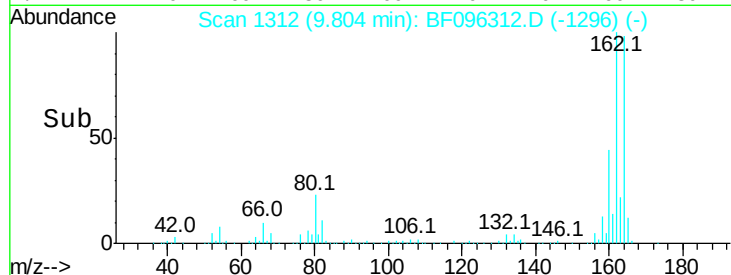


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF096312.D

Acq: 30 Jun 2017 00:43

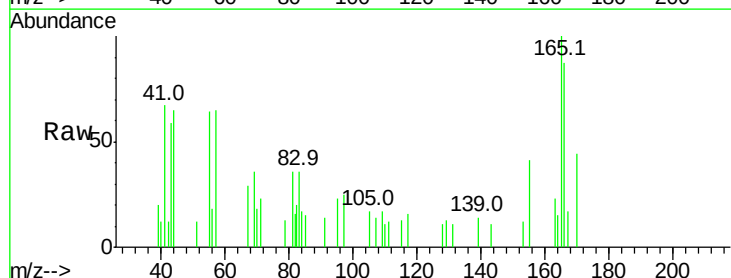
Tgt Ion:166 Resp: 2360

Ion Ratio Lower Upper

166 100

165 115.1 78.8 118.2

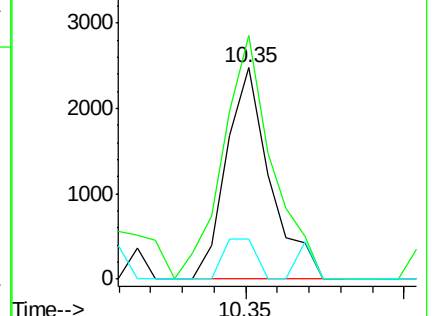
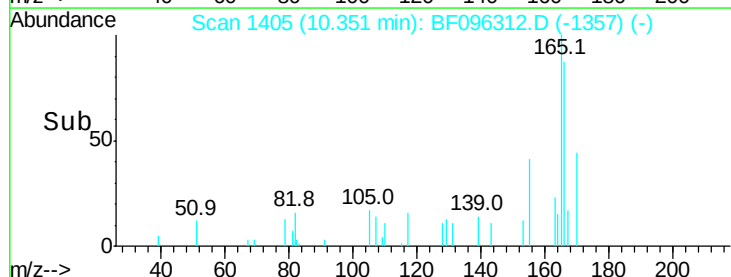
167 19.0 10.6 16.0#

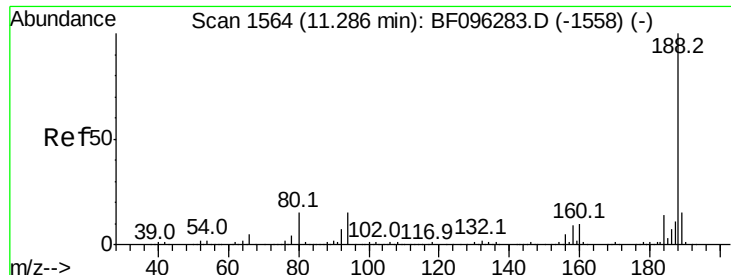


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

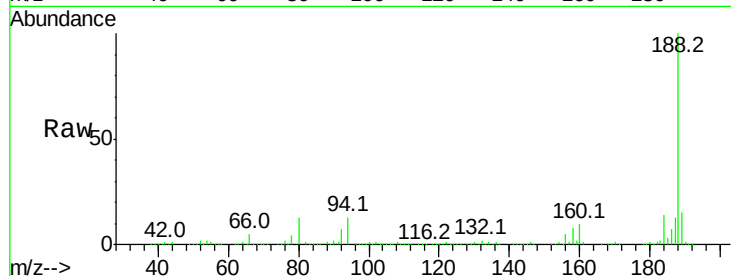




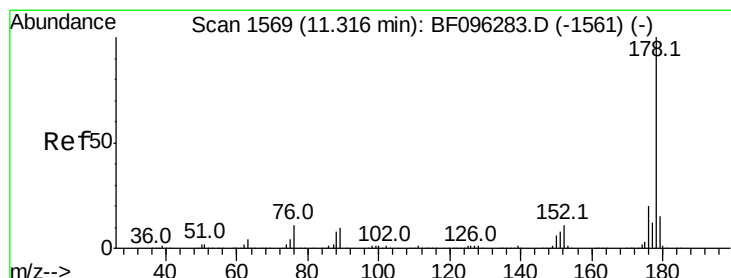
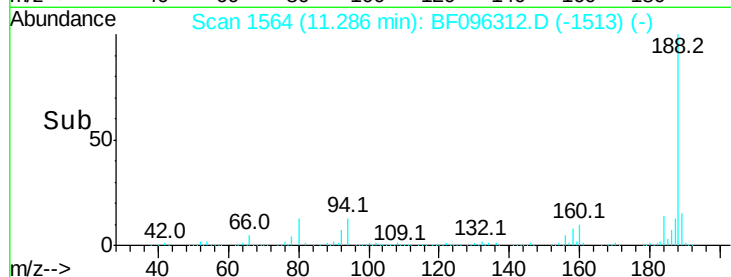
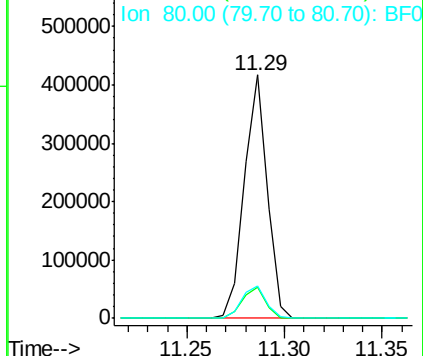
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF096312.D
Acq: 30 Jun 2017 00:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 338539
Ion Ratio Lower Upper
188 100
94 13.0 9.4 14.2
80 13.1 10.2 15.2

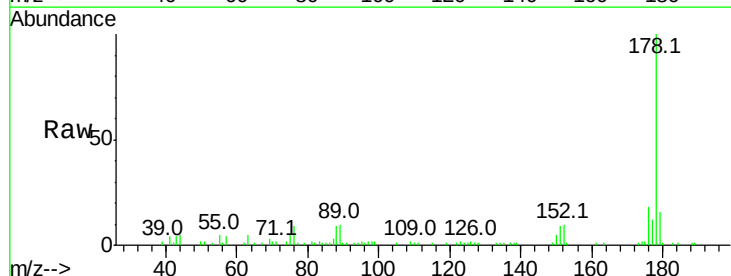


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

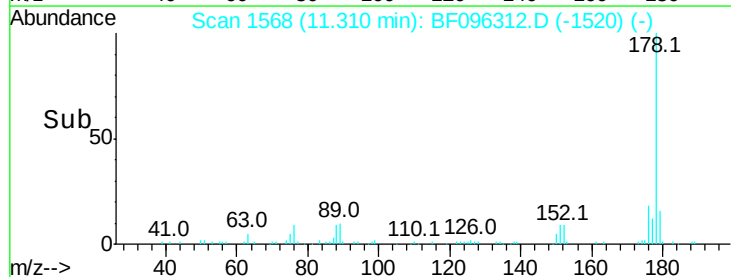
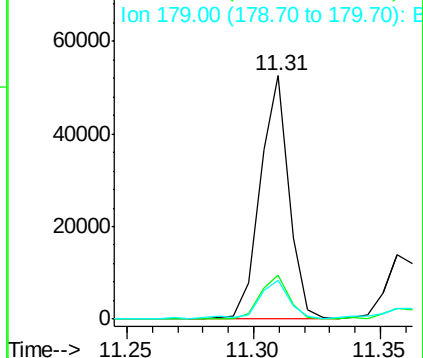


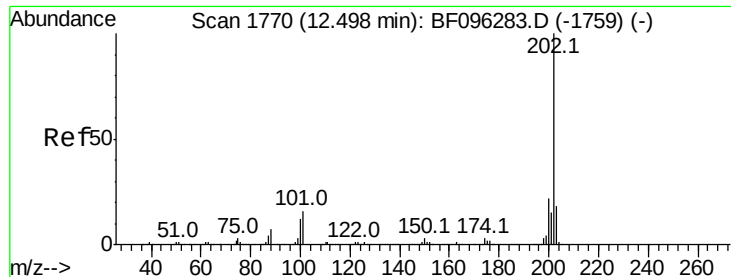
#70
Phenanthrene
Concen: Below Cal
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096312.D
Acq: 30 Jun 2017 00:43

Tgt Ion:178 Resp: 41614
Ion Ratio Lower Upper
178 100
176 18.3 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: 3.61 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.00 min

Lab File: BF096312.D

Acq: 30 Jun 2017 00:43

Instrument :

BNA_F

ClientSampleId :

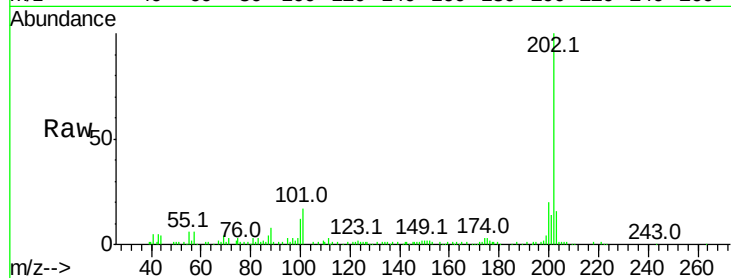
Tot Ion:202 Resp: 67846

Ion Ratio Lower Upper

202 100

101 17.4 0.0 33.2

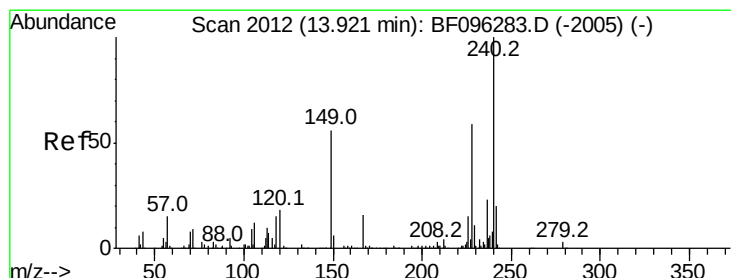
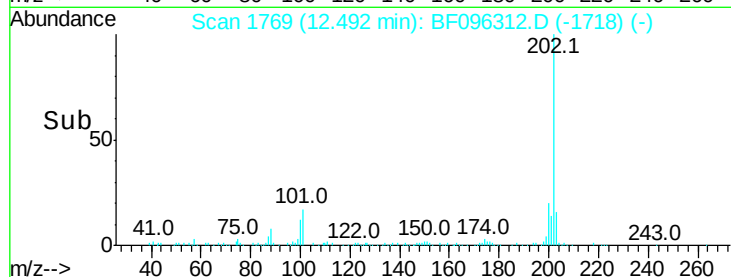
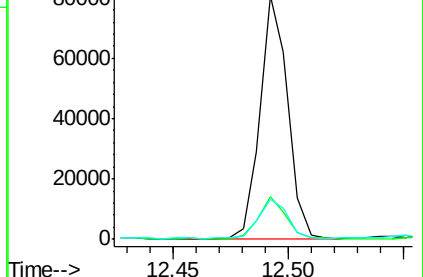
203 16.2 0.0 38.1



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: BF096312.D

Acq: 30 Jun 2017 00:43

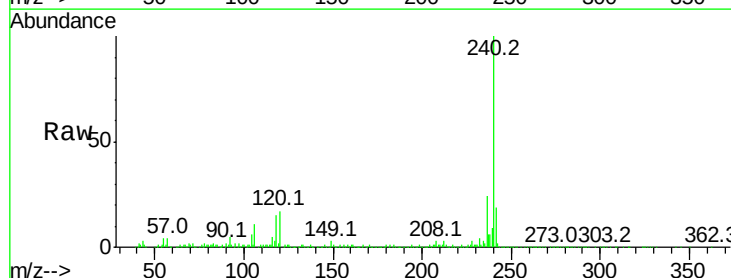
Tgt Ion:240 Resp: 331690

Ion Ratio Lower Upper

240 100

120 17.3 5.8 8.8#

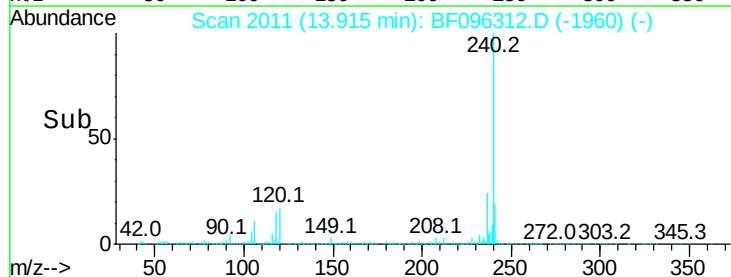
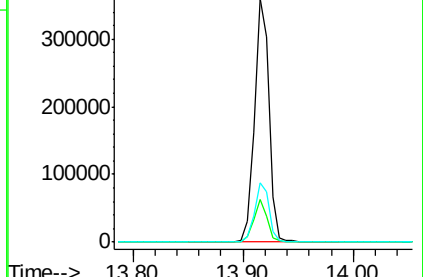
236 24.2 20.5 30.7

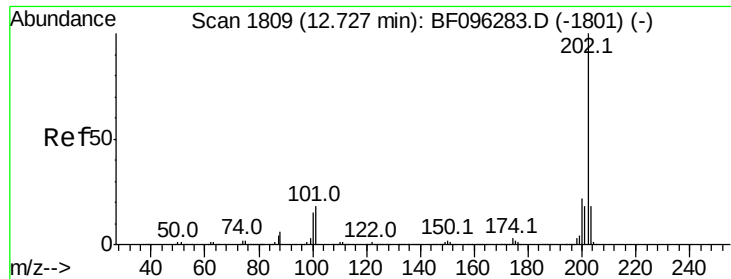


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.42 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096312.D

Acq: 30 Jun 2017 00:43

Instrument :

BNA_F

ClientSampled :

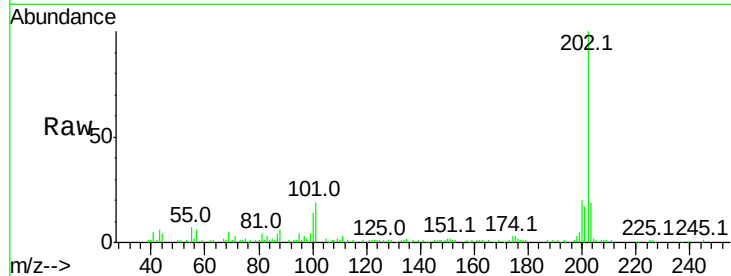
Tot Ion:202 Resp: 65930

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

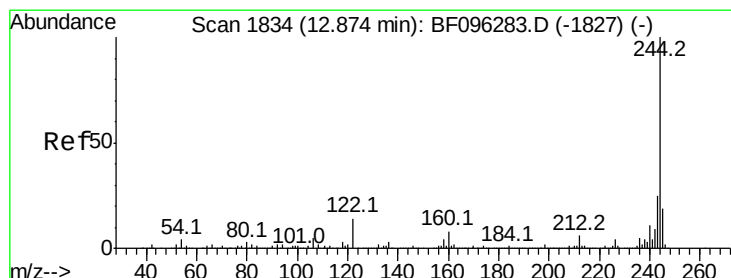
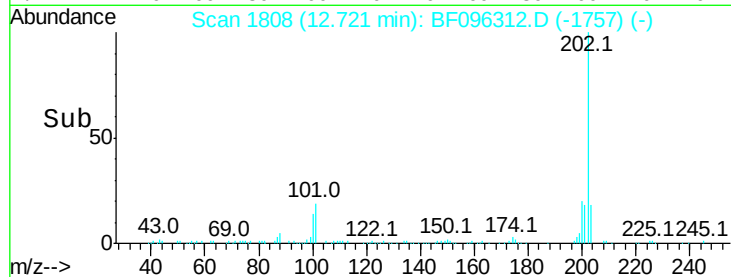
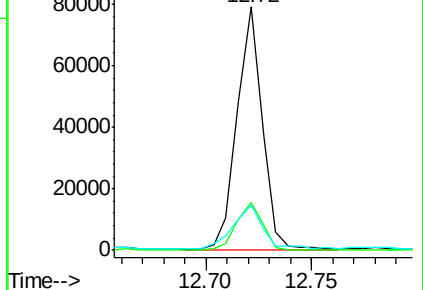
203 18.8 14.4 21.6



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: 11.70 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096312.D

Acq: 30 Jun 2017 00:43

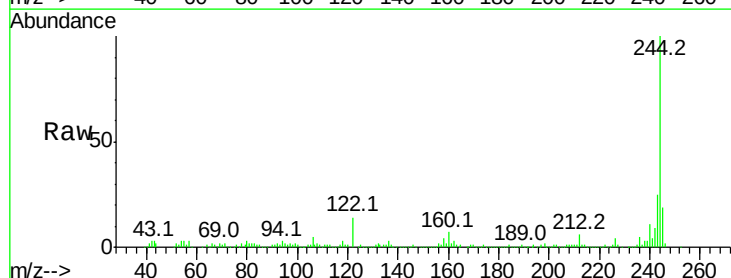
Tgt Ion:244 Resp: 155531

Ion Ratio Lower Upper

244 100

212 5.8 6.0 9.0#

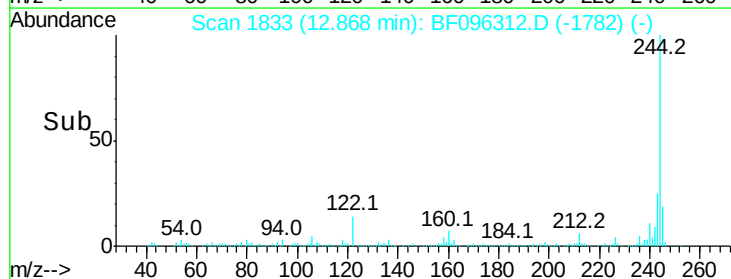
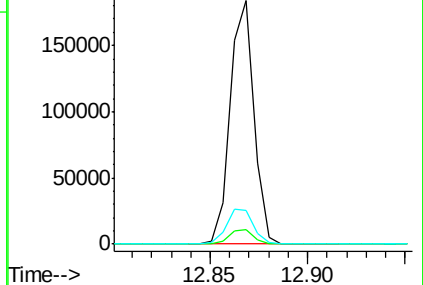
122 14.0 10.3 15.5

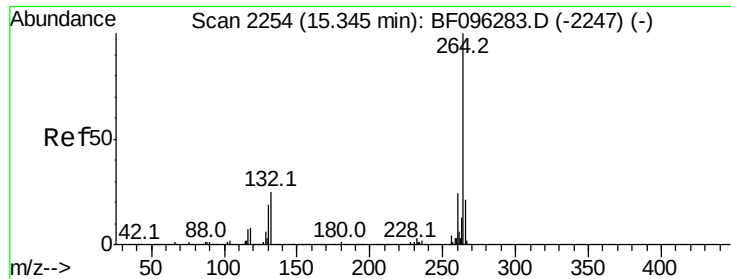


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

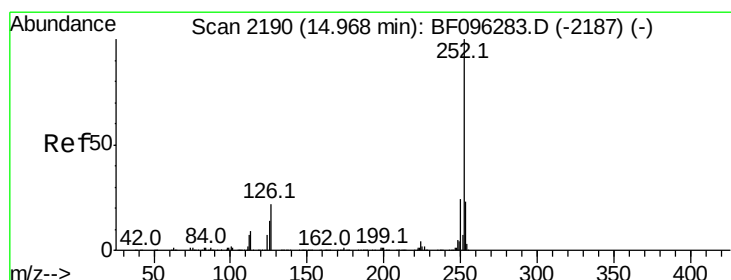
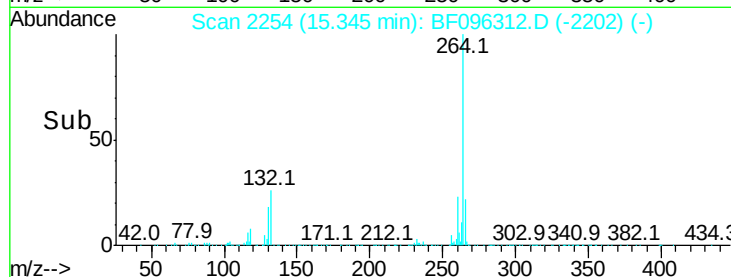
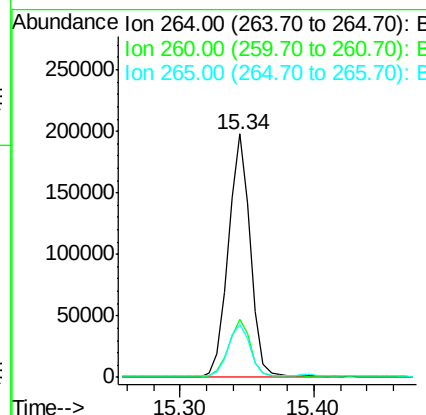
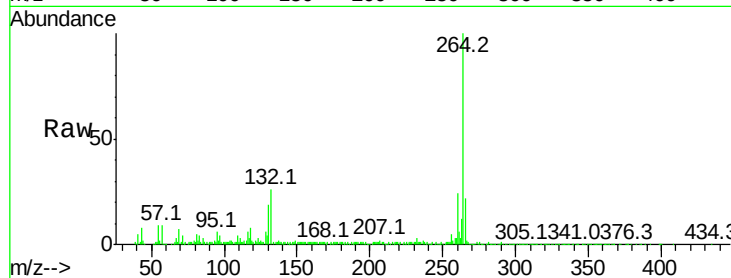




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096312.D
Acq: 30 Jun 2017 00:43

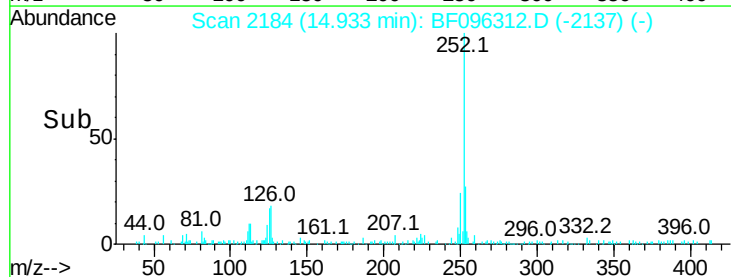
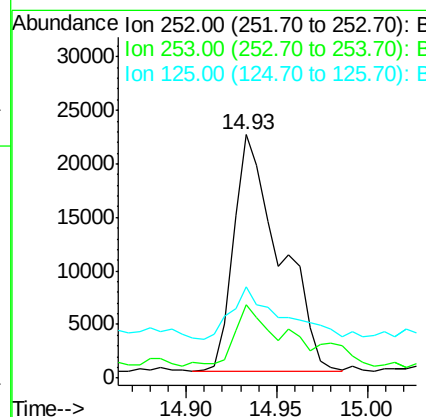
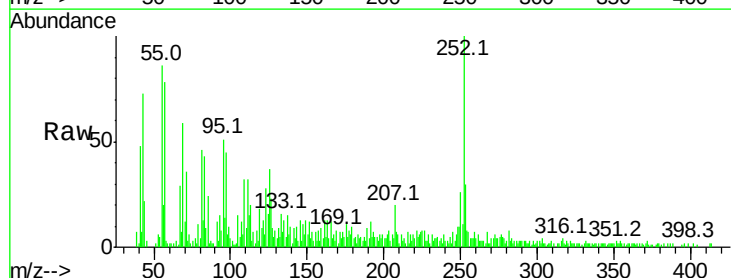
Instrument :
BNA_F
ClientSampled :

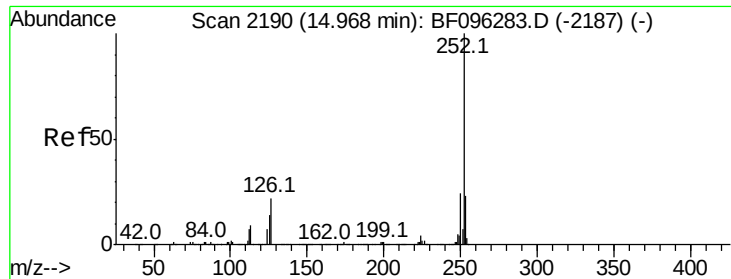
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	22.0	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.59 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096312.D
Acq: 30 Jun 2017 00:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	18.1	27.1#
125	37.5	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.84 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096312.D

Acq: 30 Jun 2017 00:43

Instrument :

BNA_F

ClientSampleId :

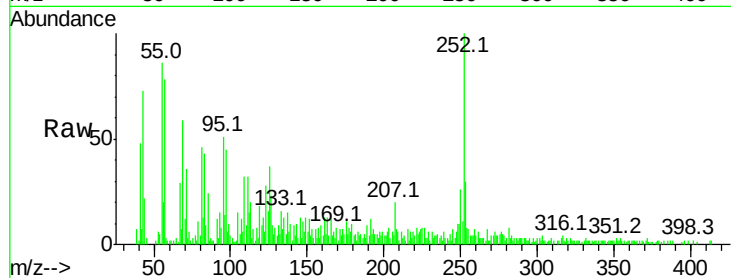
Tot Ion:252 Resp: 38999

Ion Ratio Lower Upper

252 100

253 30.1 18.4 27.6#

125 37.5 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

