

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096313.D
 Acq On : 30 Jun 2017 1:11
 Operator : SJ/MA
 Sample : I3882-12 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 03:55:30 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

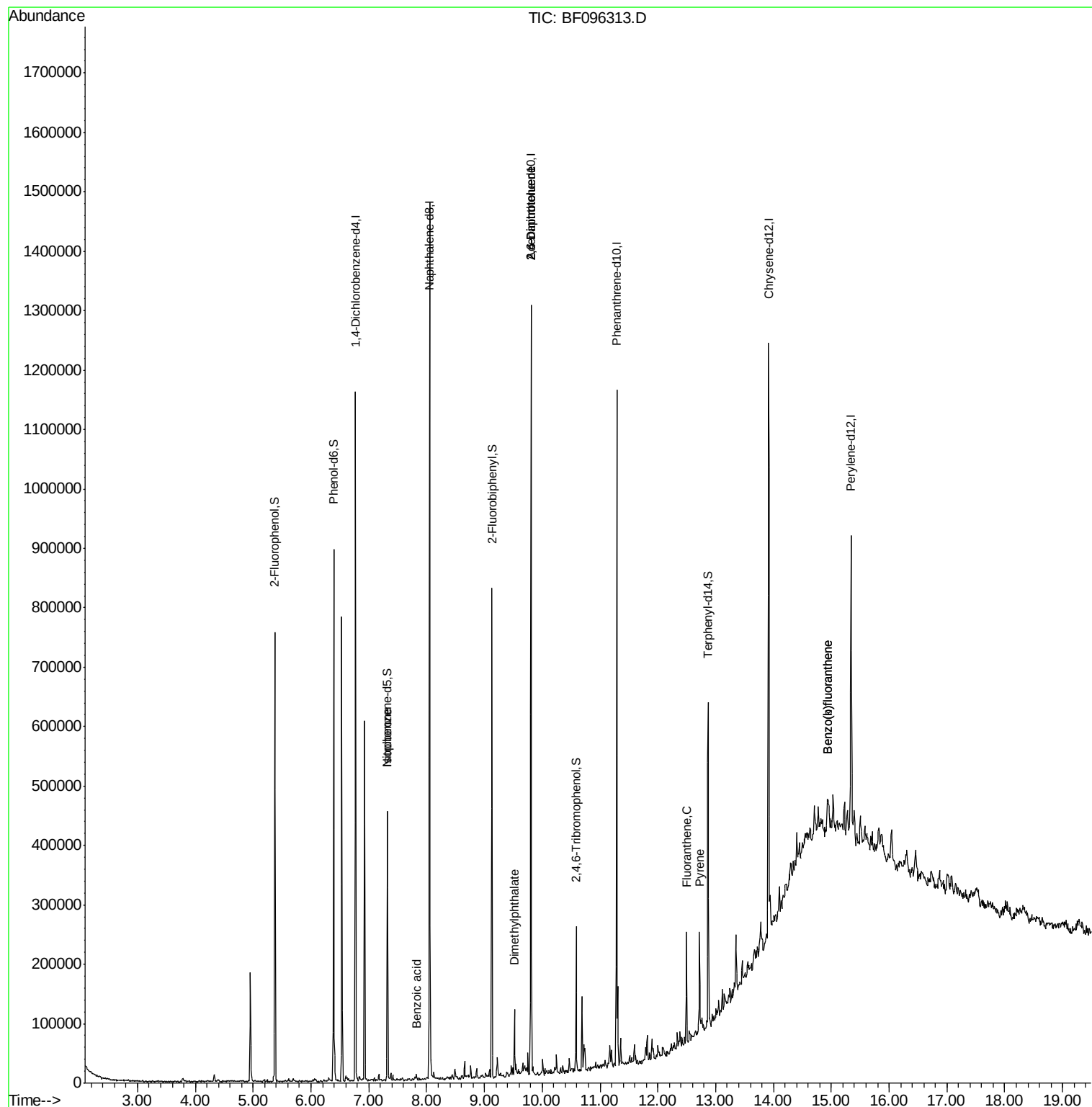
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	169511	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	650439	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	235806	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	360470	20.00	ng	0.00
75) Chrysene-d12	13.92	240	327103	20.00	ng	0.00
86) Perylene-d12	15.34	264	225890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	188993	16.06	ng	0.00
7) Phenol-d6	6.39	99	243099	17.06	ng	0.00
23) Nitrobenzene-d5	7.32	82	121039	12.88	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	23868	12.86	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	214488	16.66	ng	-0.02
78) Terphenyl-d14	12.87	244	149883	11.43	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	447	Below Cal	#	65
25) Isophorone	7.32	82	121037	5.67 ng	#	67
32) Benzoic acid	7.82	122	837	8.89 ng	#	53
49) Dimethylphthalate	9.52	163	38337	2.27 ng		98
50) 2,6-Dinitrotoluene	9.80	165	29995	8.54 ng	#	33
56) 2,4-Dinitrotoluene	9.80	165	29995	6.78 ng	#	32
57) Fluorene	10.35	166	3009	Below Cal		97
70) Phenanthrene	11.31	178	41218	Below Cal		98
74) Fluoranthene	12.49	202	63141	3.15 ng		94
77) Pyrene	12.72	202	62497	2.32 ng		98
87) Benzo(b)fluoranthene	14.93	252	41580	2.80 ng	#	78
88) Benzo(k)fluoranthene	14.93	252	41580	3.07 ng	#	82

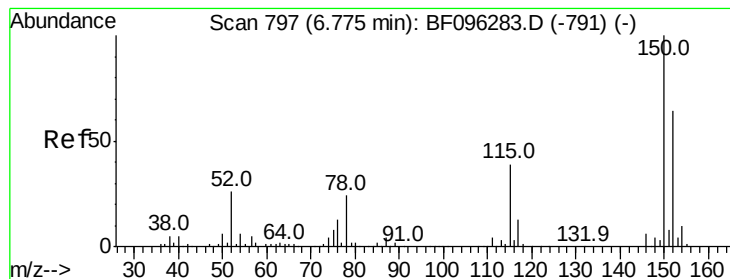
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF096313.D

Acq: 30 Jun 2017 1:11

Instrument :

BNA_F

ClientSampleId :

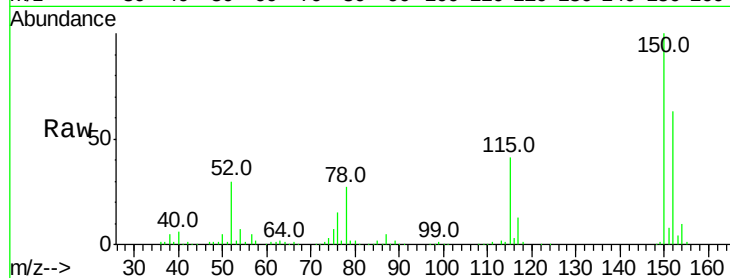
Tot Ion:152 Resp: 169511

Ion Ratio Lower Upper

152 100

150 159.9 126.2 189.2

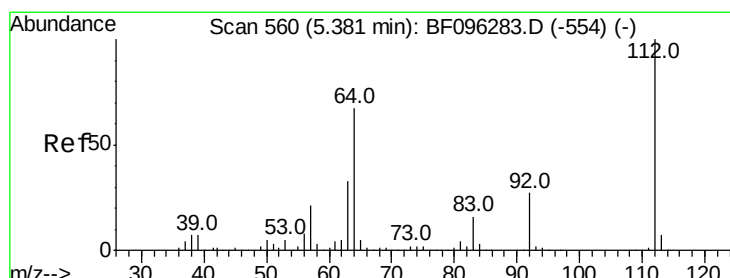
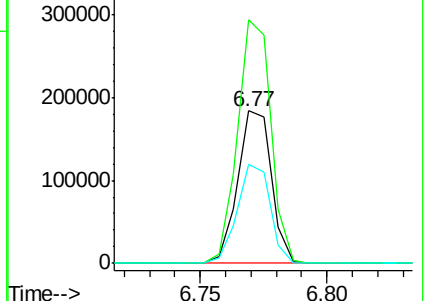
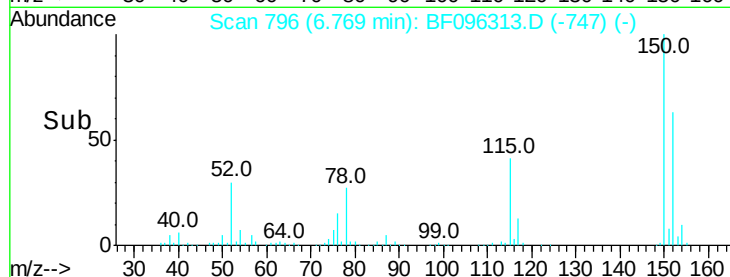
115 65.3 52.2 78.2



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: 16.06 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF096313.D

Acq: 30 Jun 2017 1:11

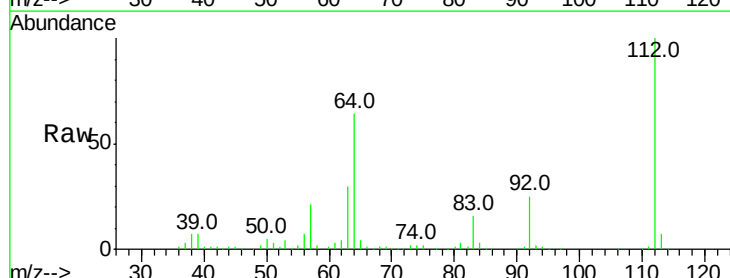
Tgt Ion:112 Resp: 188993

Ion Ratio Lower Upper

112 100

64 64.4 46.0 69.0

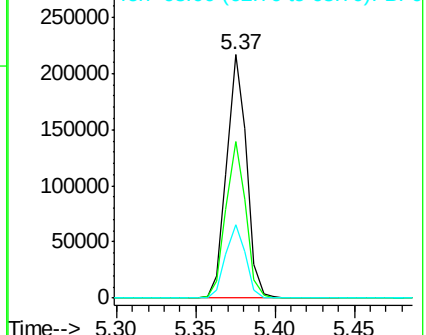
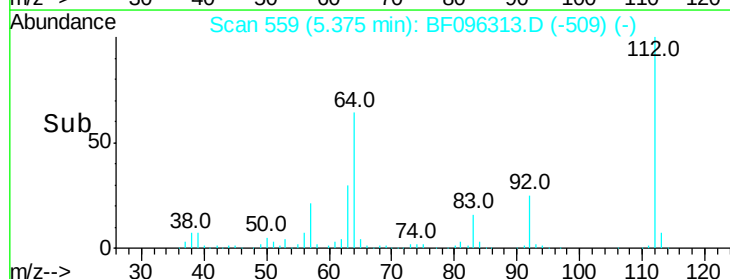
63 29.9 23.4 35.0

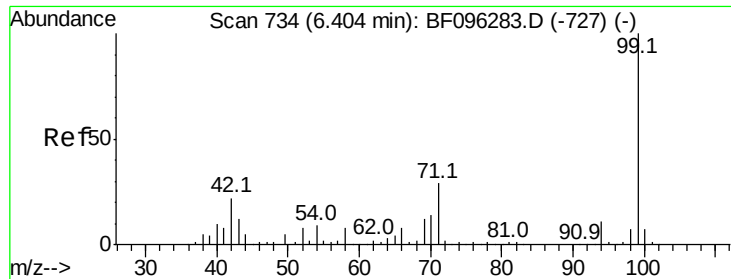


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.06 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF096313.D

Acq: 30 Jun 2017 1:11

Instrument :

BNA_F

ClientSampleId :

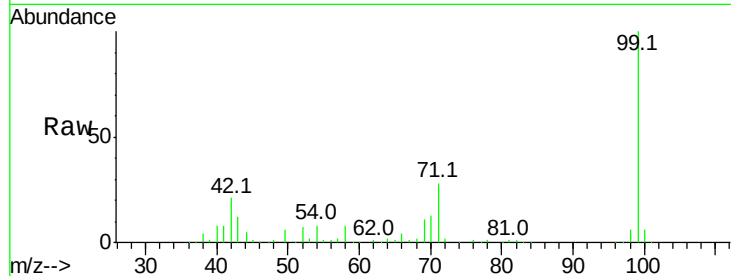
Tot Ion: 99 Resp: 243099

Ion Ratio Lower Upper

99 100

42 21.2 13.5 20.3#

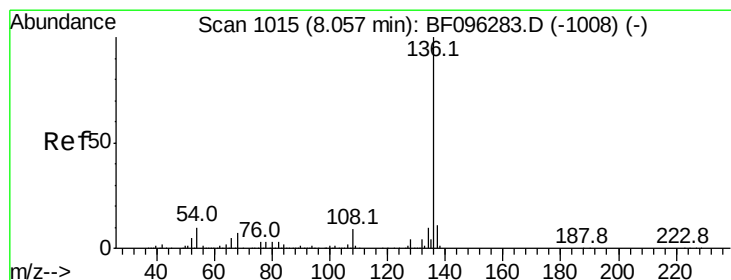
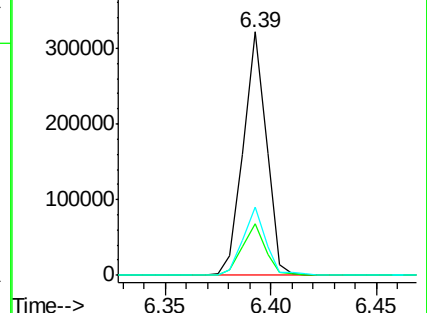
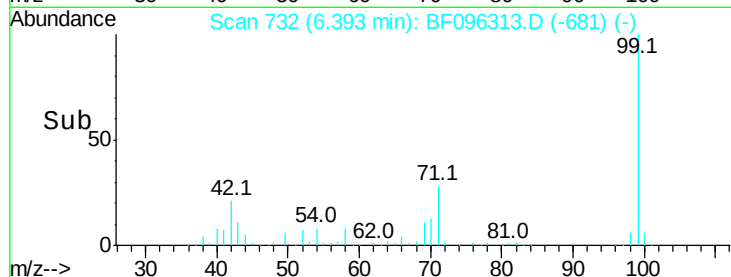
71 28.0 24.5 36.7



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: BF096313.D

Acq: 30 Jun 2017 1:11

Tgt Ion: 136 Resp: 650439

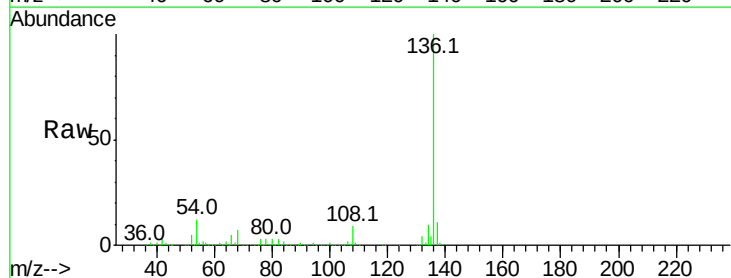
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.7 4.9 7.3#

68 6.6 4.1 6.1#

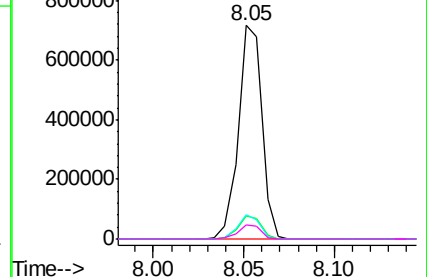
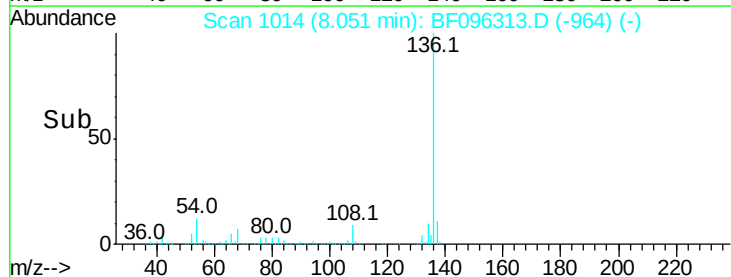


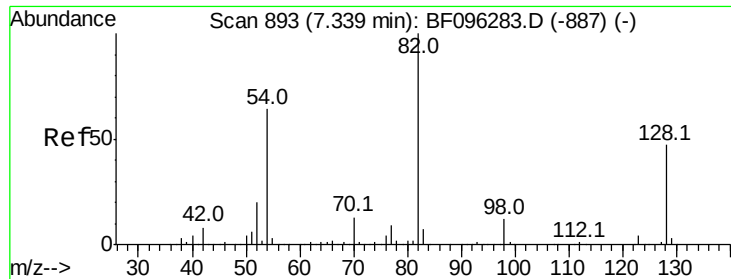
Abundance Ion 136.00 (135.70 to 136.70): E

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

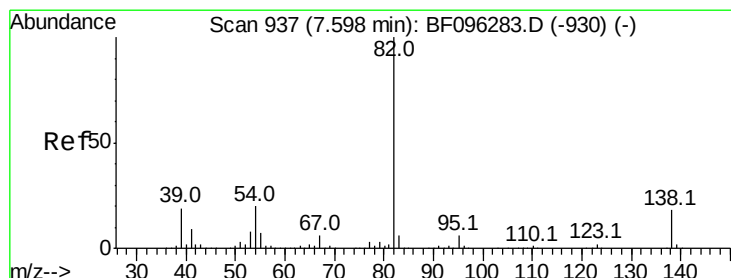
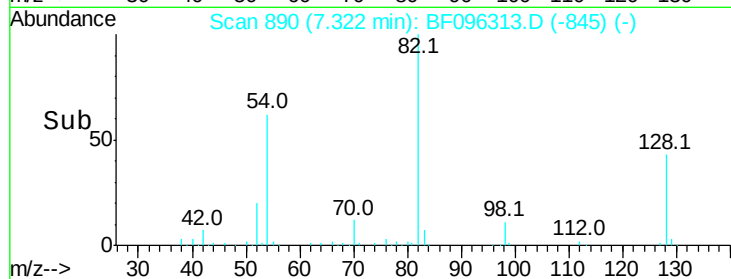
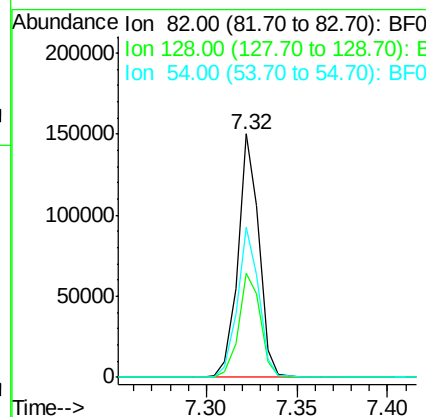
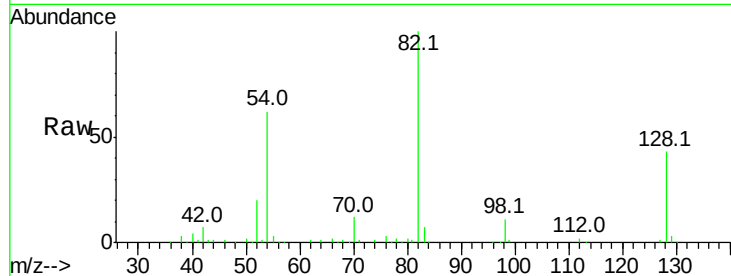




#23
 Nitrobenzene-d5
 Concen: 12.88 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.04 min
 Lab File: BF096313.D
 Acq: 30 Jun 2017 1:11

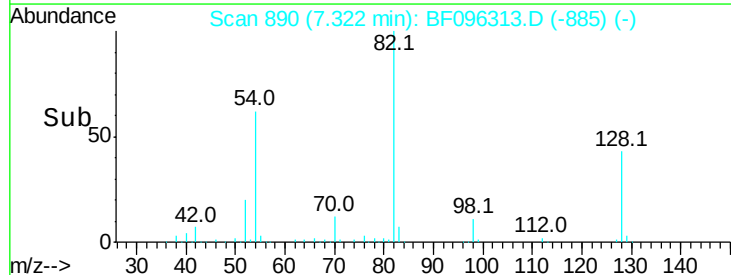
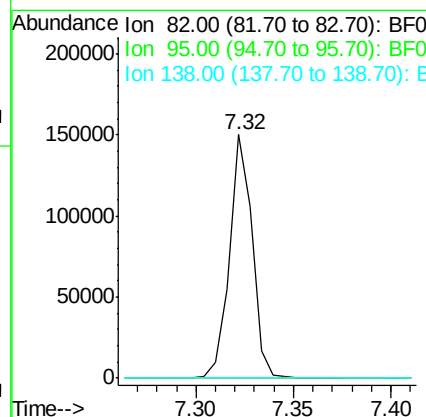
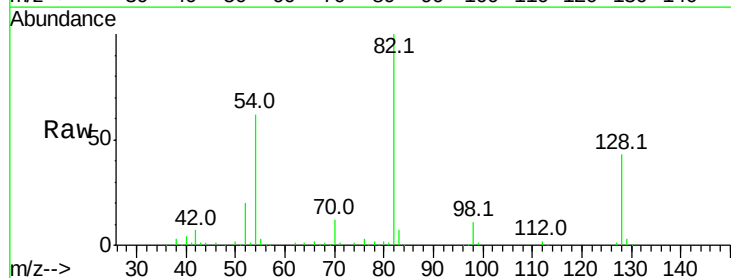
Instrument :
 BNA_F
 ClientSampleId :

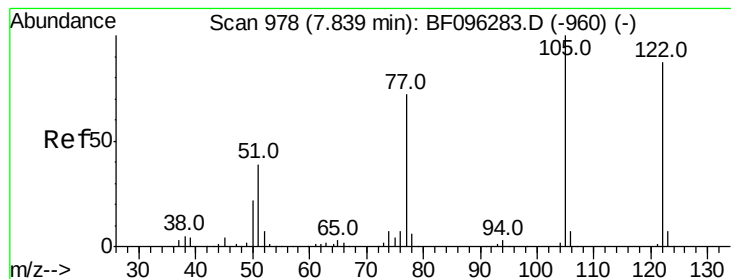
Tot Ion:	82	Resp:	121039
Ion Ratio	Lower	Upper	
82	100		
128	42.9	34.0	51.0
54	61.8	42.2	63.2



#25
 Isophorone
 Concen: 5.67 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.27 min
 Lab File: BF096313.D
 Acq: 30 Jun 2017 1:11

Tgt Ion:	82	Resp:	121037
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#32

Benzoic acid

Concen: 8.89 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.06 min

Lab File: BF096313.D

Acq: 30 Jun 2017 1:11

Instrument :

BNA_F

ClientSampleId :

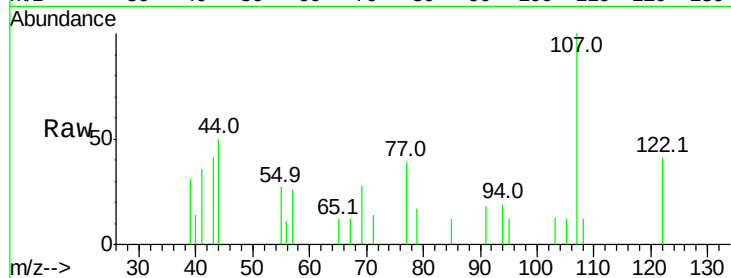
Tot Ion:122 Resp: 837

Ion Ratio Lower Upper

122 100

105 29.6 103.3 143.3#

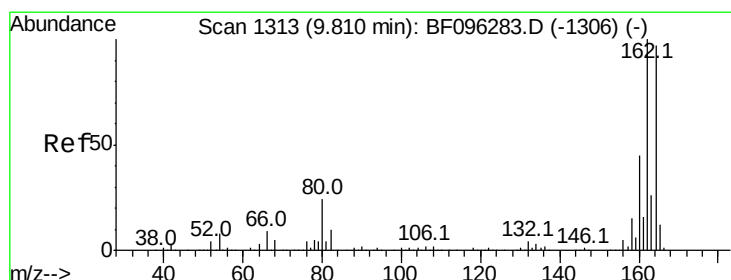
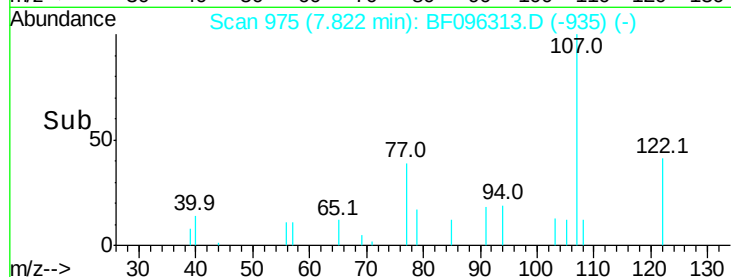
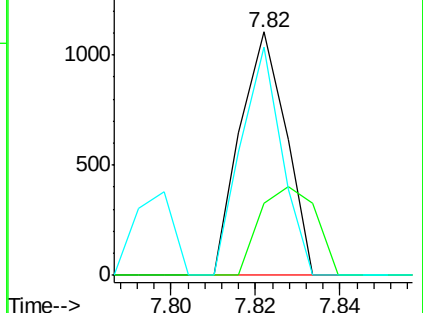
77 93.6 73.7 113.7



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: BF096313.D

Acq: 30 Jun 2017 1:11

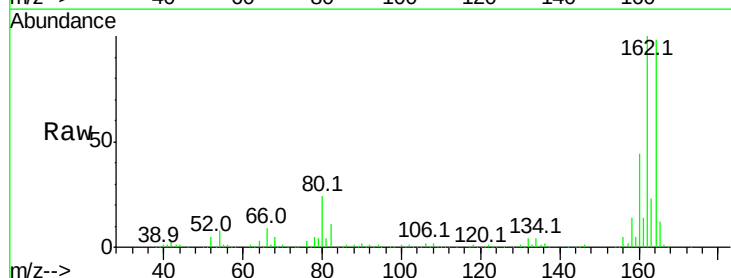
Tgt Ion:164 Resp: 235806

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

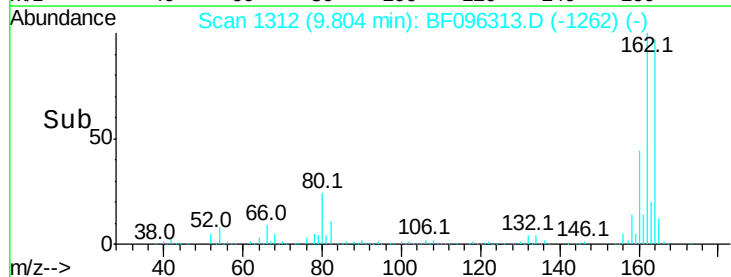
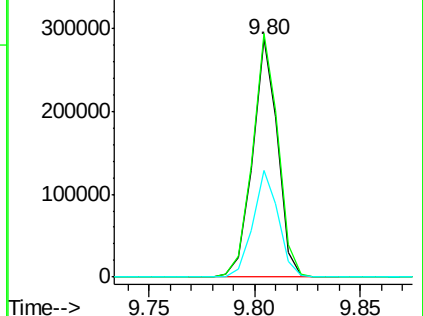
160 45.0 36.2 54.2

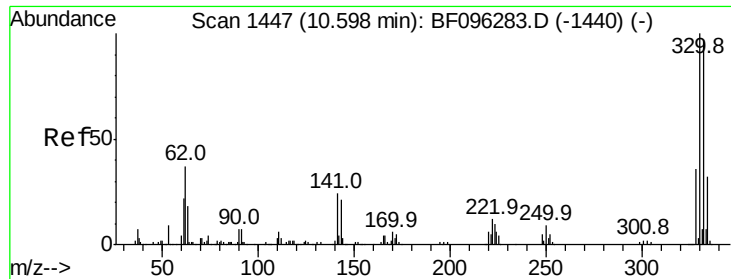


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 12.86 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF096313.D

Acq: 30 Jun 2017 1:11

Instrument :

BNA_F

ClientSampleId :

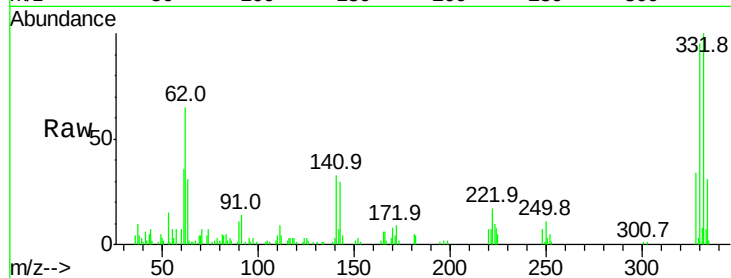
Tot Ion:330 Resp: 23868

Ion Ratio Lower Upper

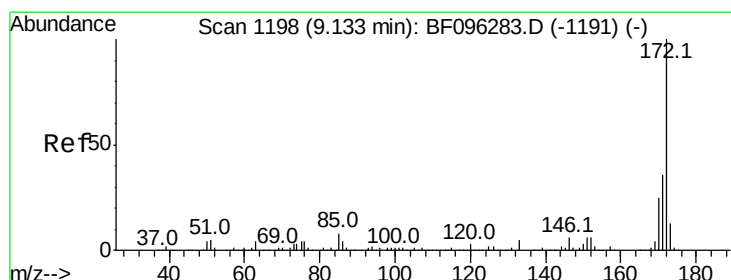
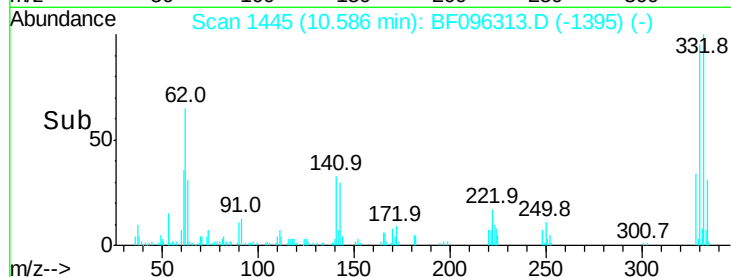
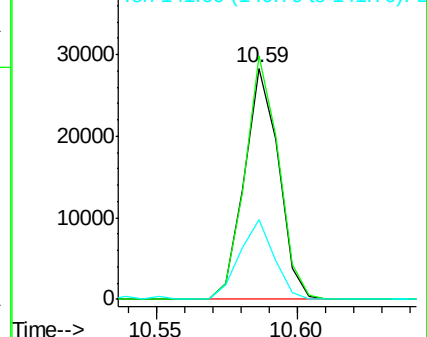
330 100

332 103.1 76.6 115.0

141 34.6 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: 16.66 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.02 min

Lab File: BF096313.D

Acq: 30 Jun 2017 1:11

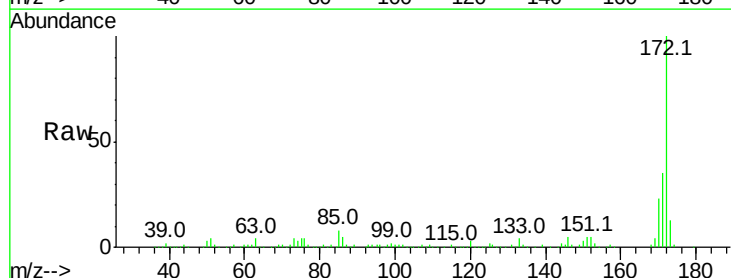
Tgt Ion:172 Resp: 214488

Ion Ratio Lower Upper

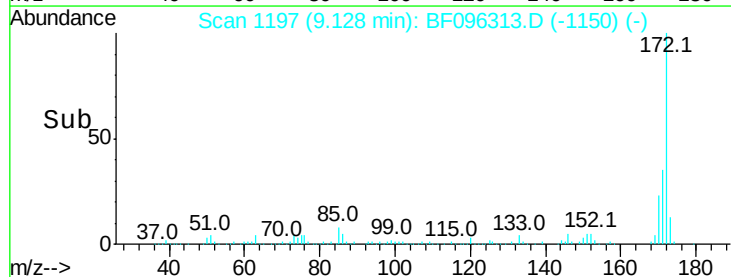
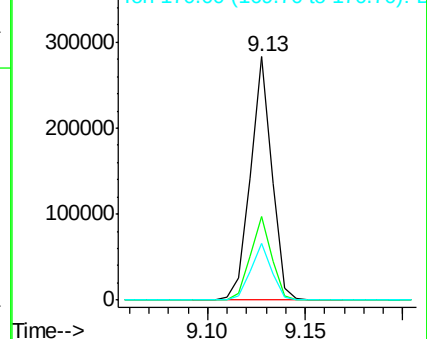
172 100

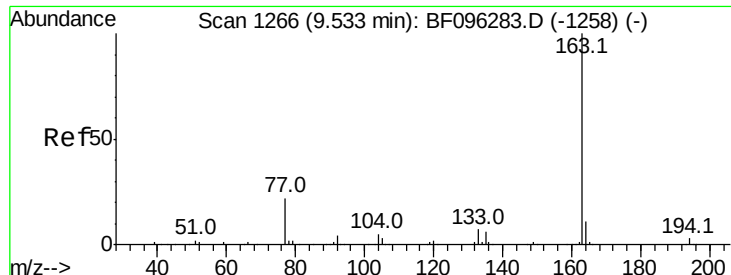
171 34.5 29.6 44.4

170 23.2 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

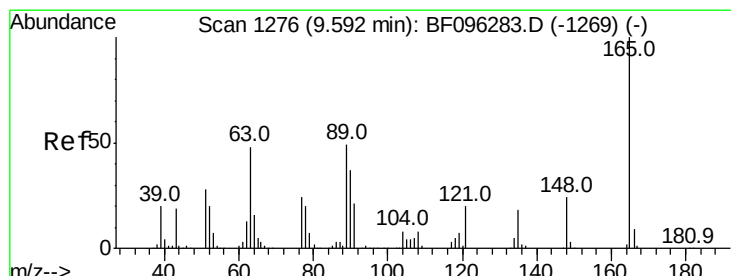
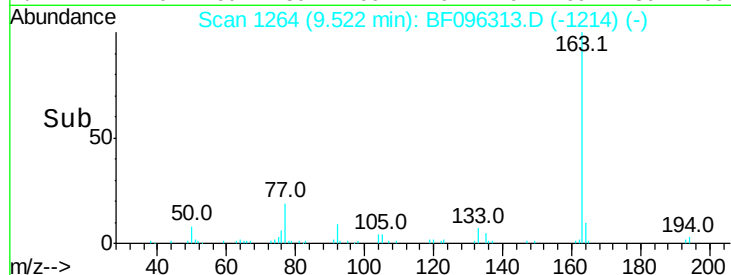
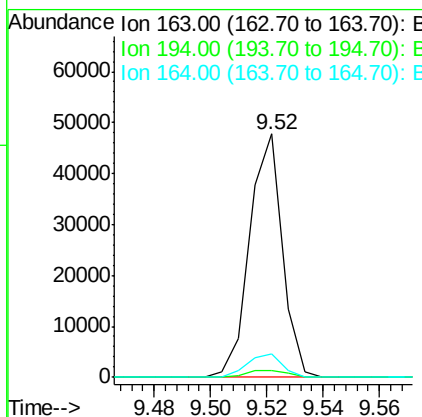
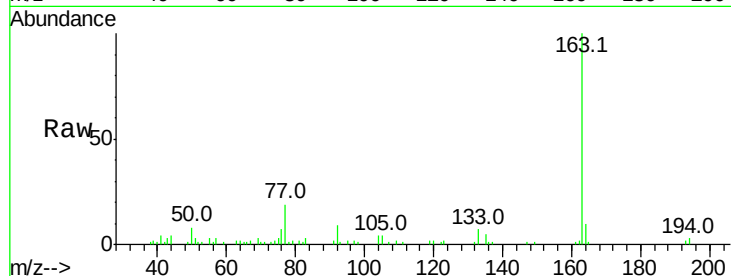




#49
Dimethylphthalate
Concen: 2.27 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096313.D
Acq: 30 Jun 2017 1:11

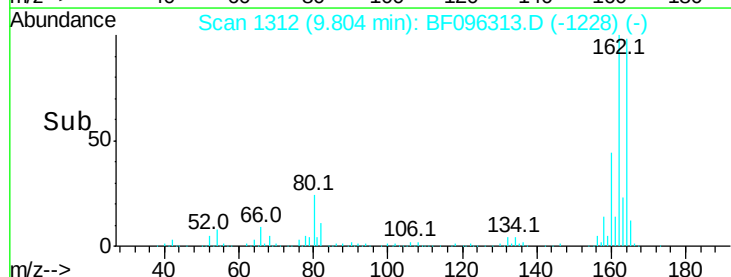
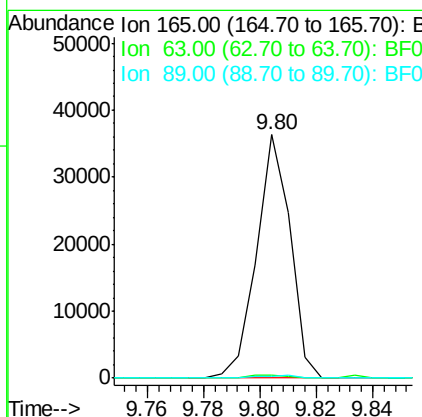
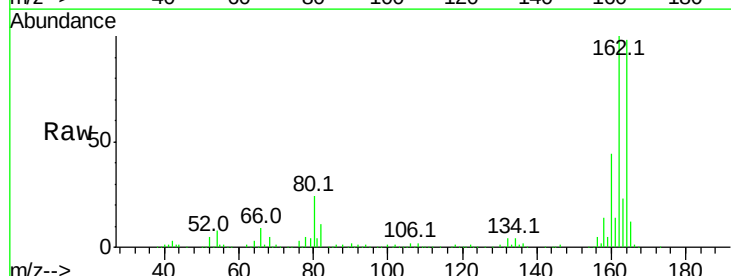
Instrument :
BNA_F
ClientSampleId :

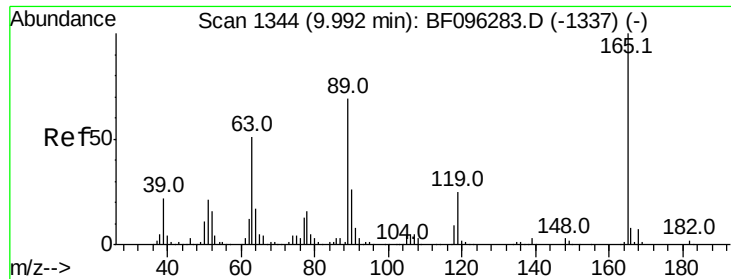
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.6	8.4	12.6



#50
2,6-Dinitrotoluene
Concen: 8.54 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.19 min
Lab File: BF096313.D
Acq: 30 Jun 2017 1:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	0.9	37.1	55.7#

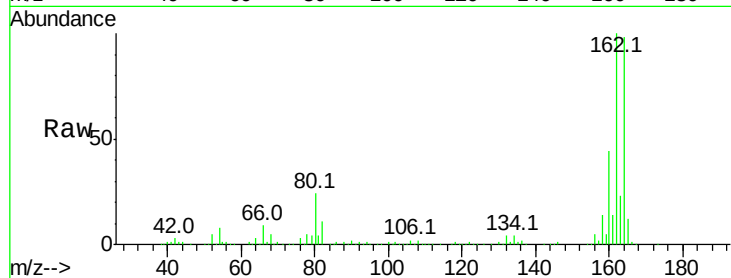




#56
2,4-Dinitrotoluene
Concen: 6.78 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.21 min
Lab File: BF096313.D
Acq: 30 Jun 2017 1:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	0.9	46.4	69.6#
182	0.0	1.8	2.6#

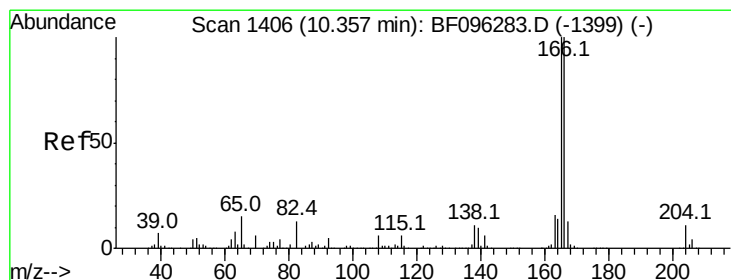
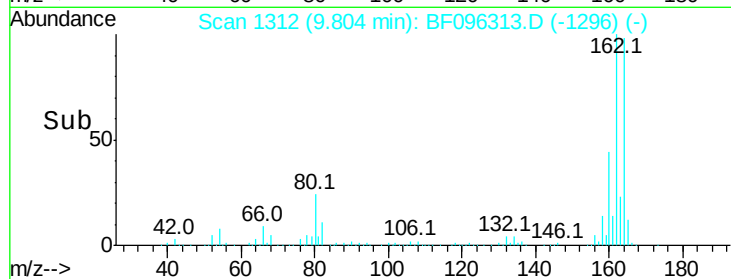
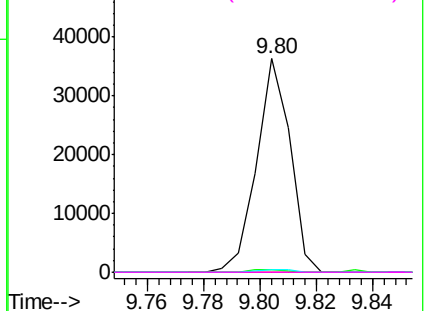


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

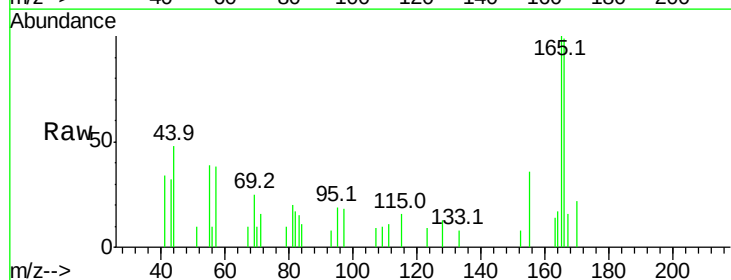
Ion 89.00 (88.70 to 89.70): BF0

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: BF096313.D
Acq: 30 Jun 2017 1:11

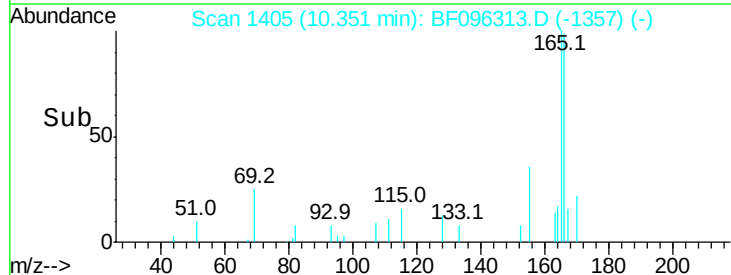
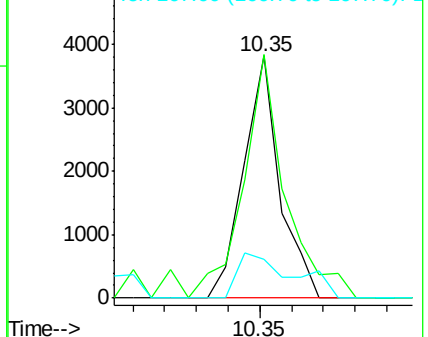
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	78.8	118.2
167	15.8	10.6	16.0

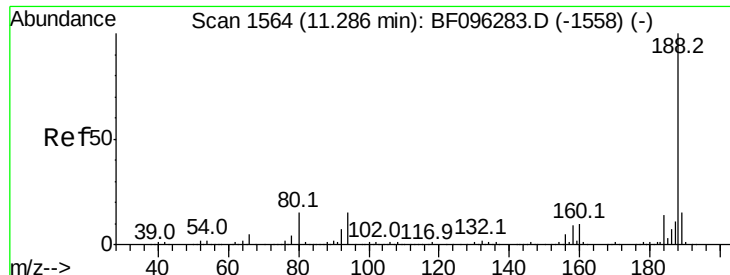


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

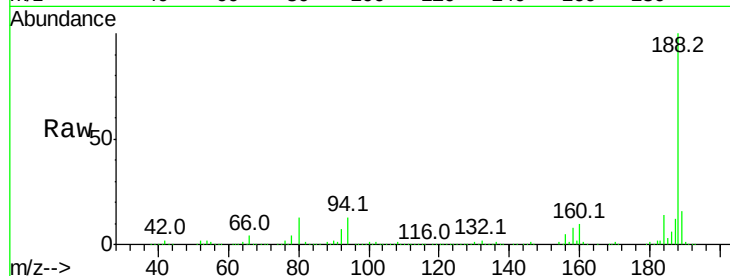




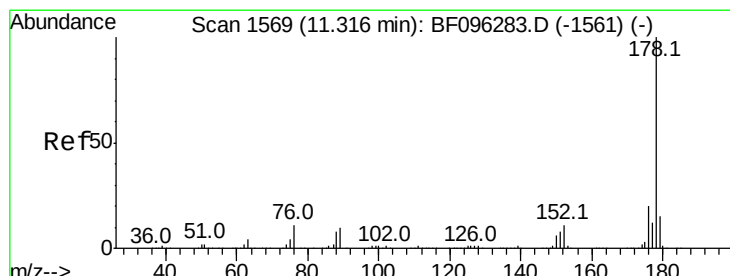
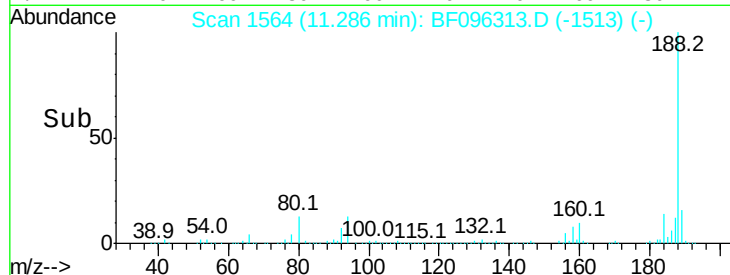
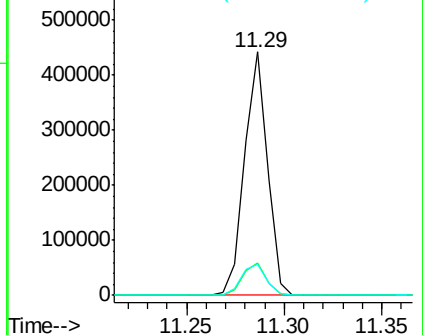
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BF096313.D
Acq: 30 Jun 2017 1:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 360470
Ion Ratio Lower Upper
188 100
94 13.1 9.4 14.2
80 12.9 10.2 15.2

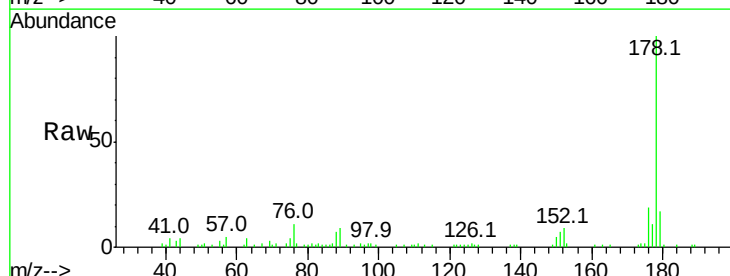


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

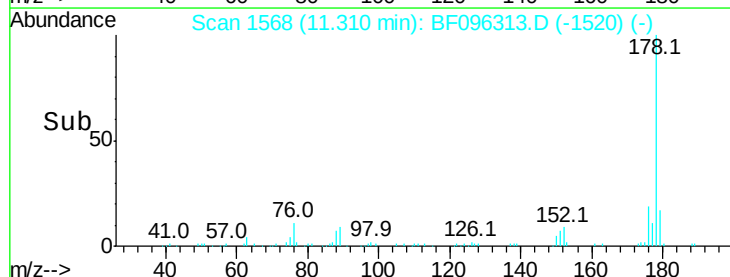
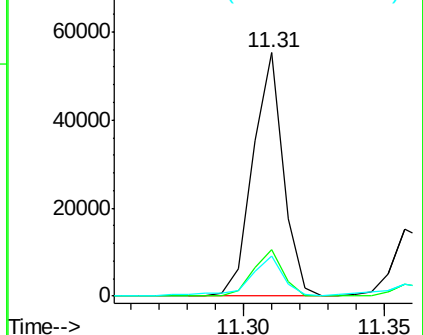


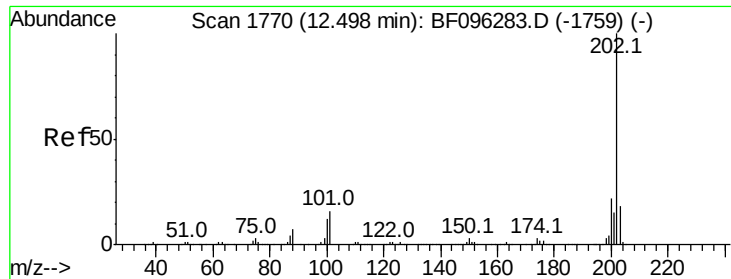
#70
Phenanthrene
Concen: Below Cal
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096313.D
Acq: 30 Jun 2017 1:11

Tgt Ion:178 Resp: 41218
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 16.7 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: 3.15 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.00 min

Lab File: BF096313.D

Acq: 30 Jun 2017 1:11

Instrument :

BNA_F

ClientSampleId :

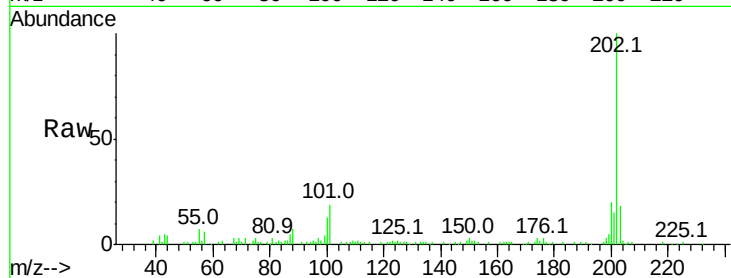
Tot Ion:202 Resp: 63141

Ion Ratio Lower Upper

202 100

101 18.7 0.0 33.2

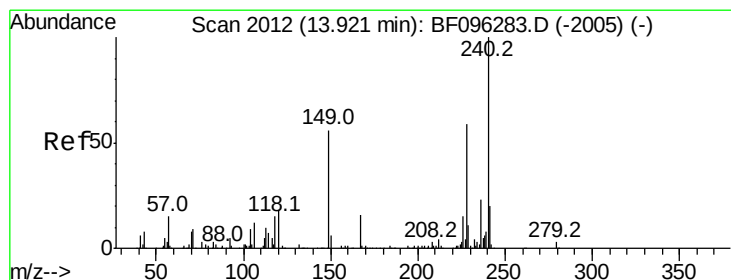
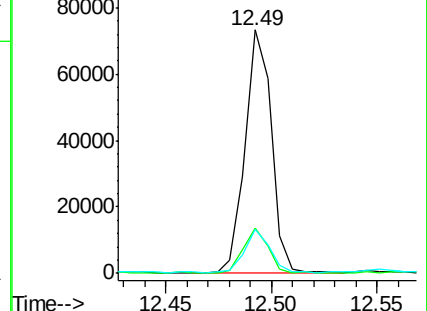
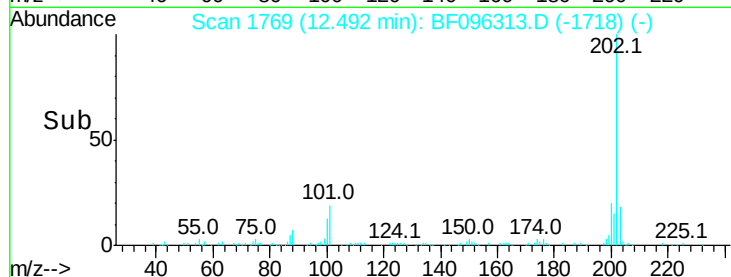
203 17.8 0.0 38.1



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: BF096313.D

Acq: 30 Jun 2017 1:11

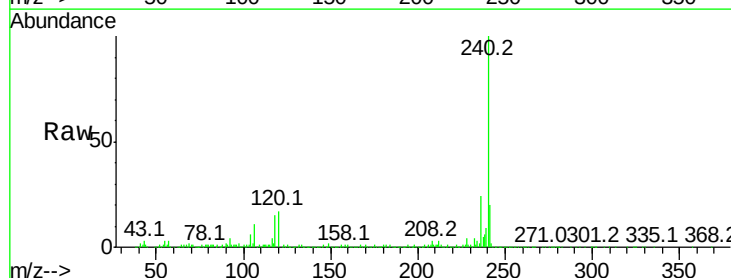
Tgt Ion:240 Resp: 327103

Ion Ratio Lower Upper

240 100

120 16.6 5.8 8.8#

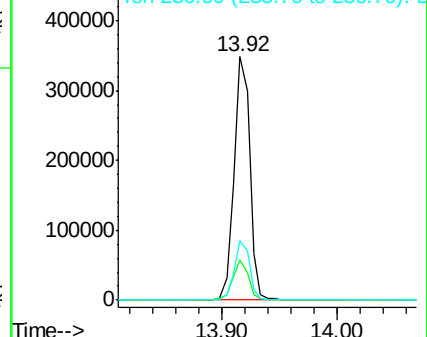
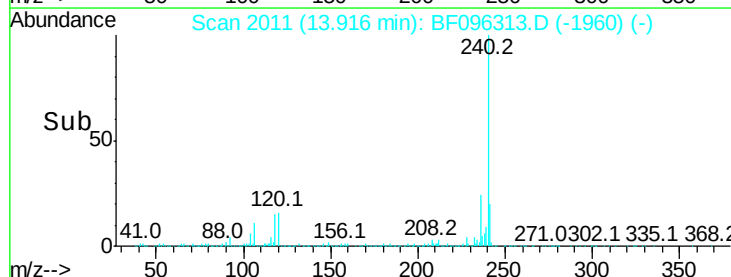
236 24.2 20.5 30.7

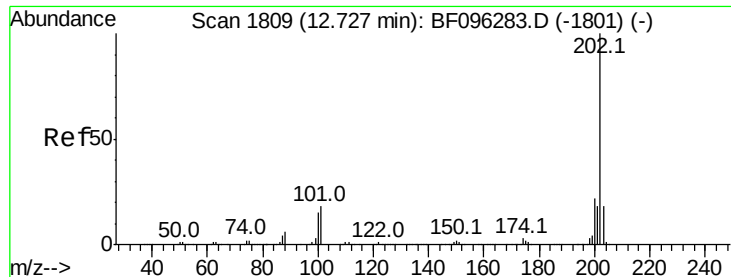


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.32 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BF096313.D

Acq: 30 Jun 2017 1:11

Instrument :

BNA_F

ClientSampled :

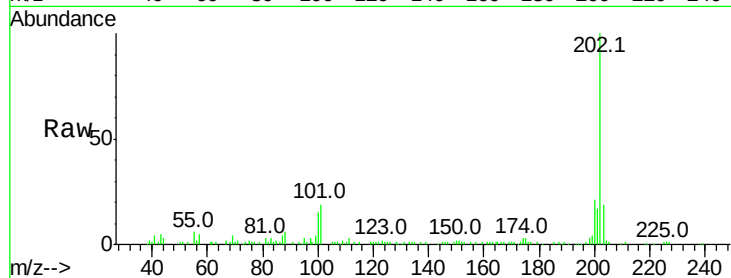
Tot Ion:202 Resp: 62497

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

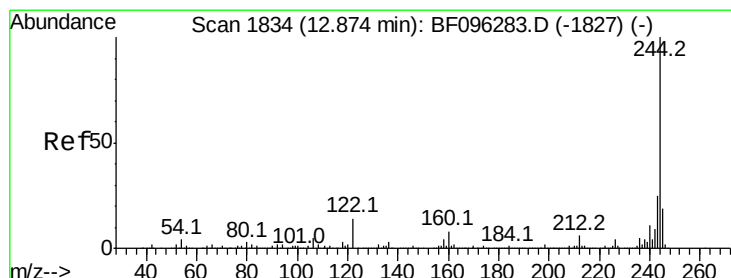
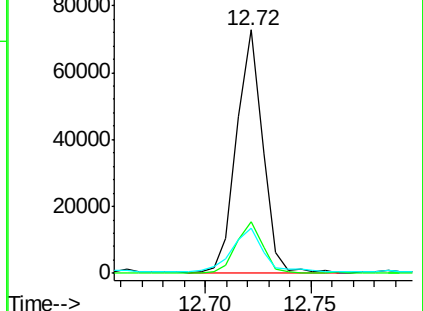
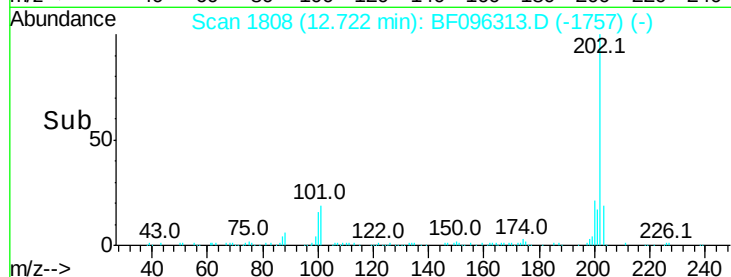
203 18.6 14.4 21.6



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: 11.43 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BF096313.D

Acq: 30 Jun 2017 1:11

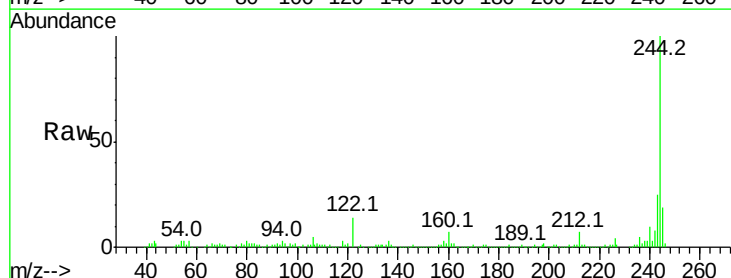
Tgt Ion:244 Resp: 149883

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

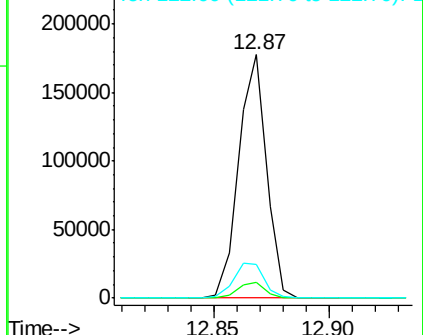
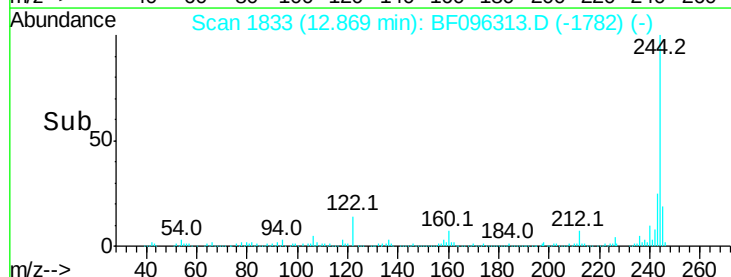
122 14.0 10.3 15.5

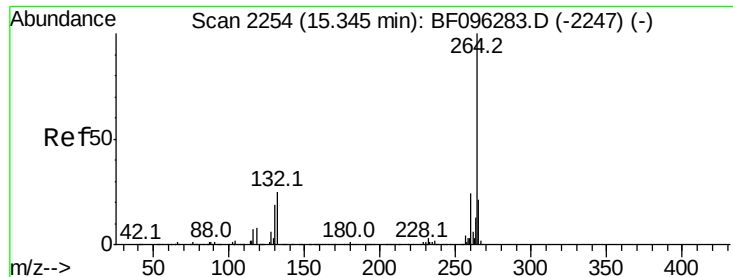


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

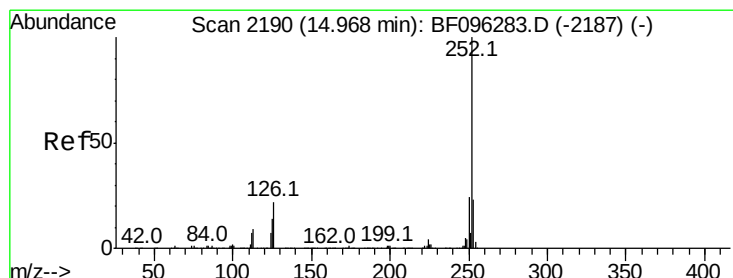
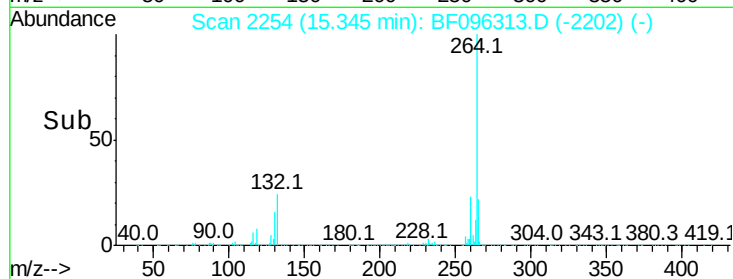
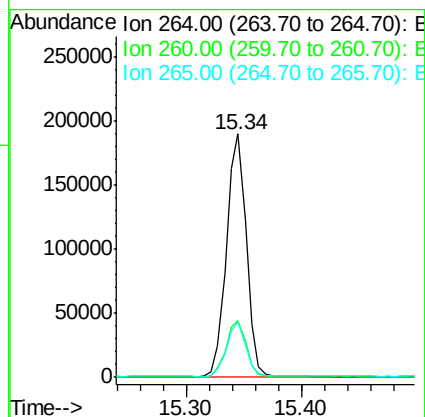
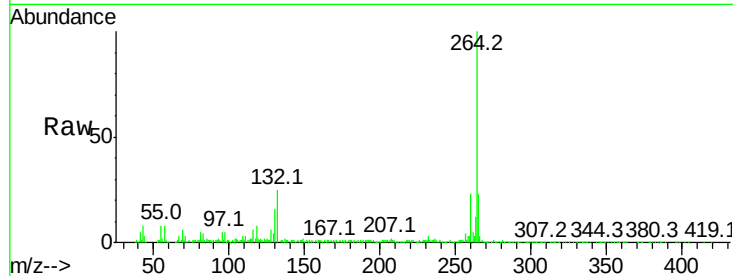




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096313.D
Acq: 30 Jun 2017 1:11

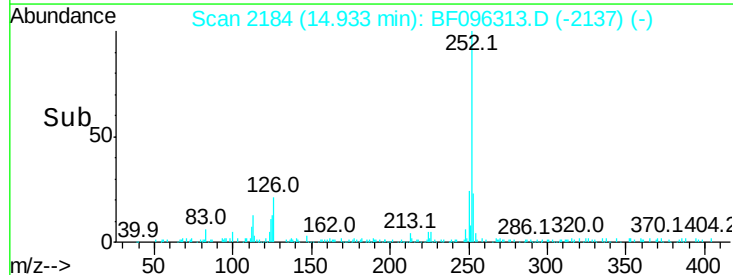
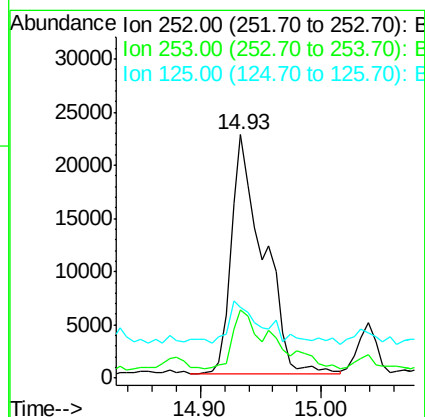
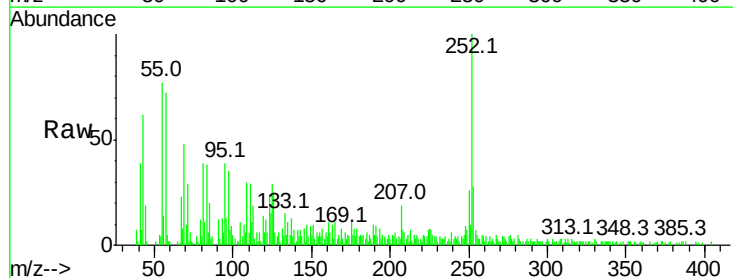
Instrument :
BNA_F
ClientSampleId :

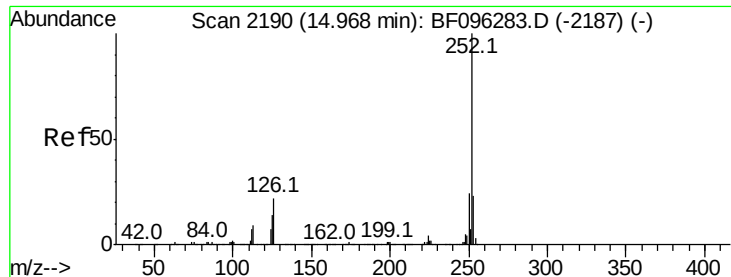
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	22.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.80 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096313.D
Acq: 30 Jun 2017 1:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.1	27.1#
125	29.0	9.8	14.8#

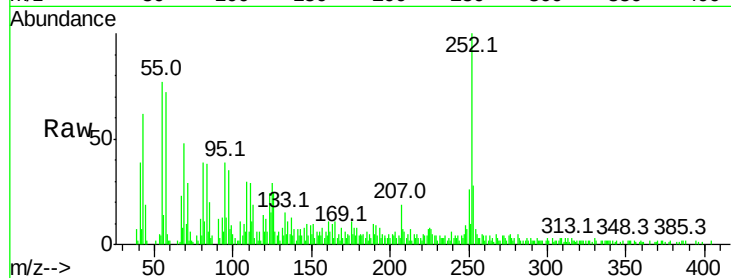




#88
 Benzo(k)fluoranthene
 Concen: 3.07 ng
 RT: 14.93 min Scan# 2184
 Delta R.T. -0.02 min
 Lab File: BF096313.D
 Acq: 30 Jun 2017 1:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.4	27.6
125	29.0	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

