

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
 Data File : BF096236.D
 Acq On : 28 Jun 2017 00:30
 Operator : SJ/MA
 Sample : I3852-03RE 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 28 04:10:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 27 15:17:15 2017
 Response via : Initial Calibration

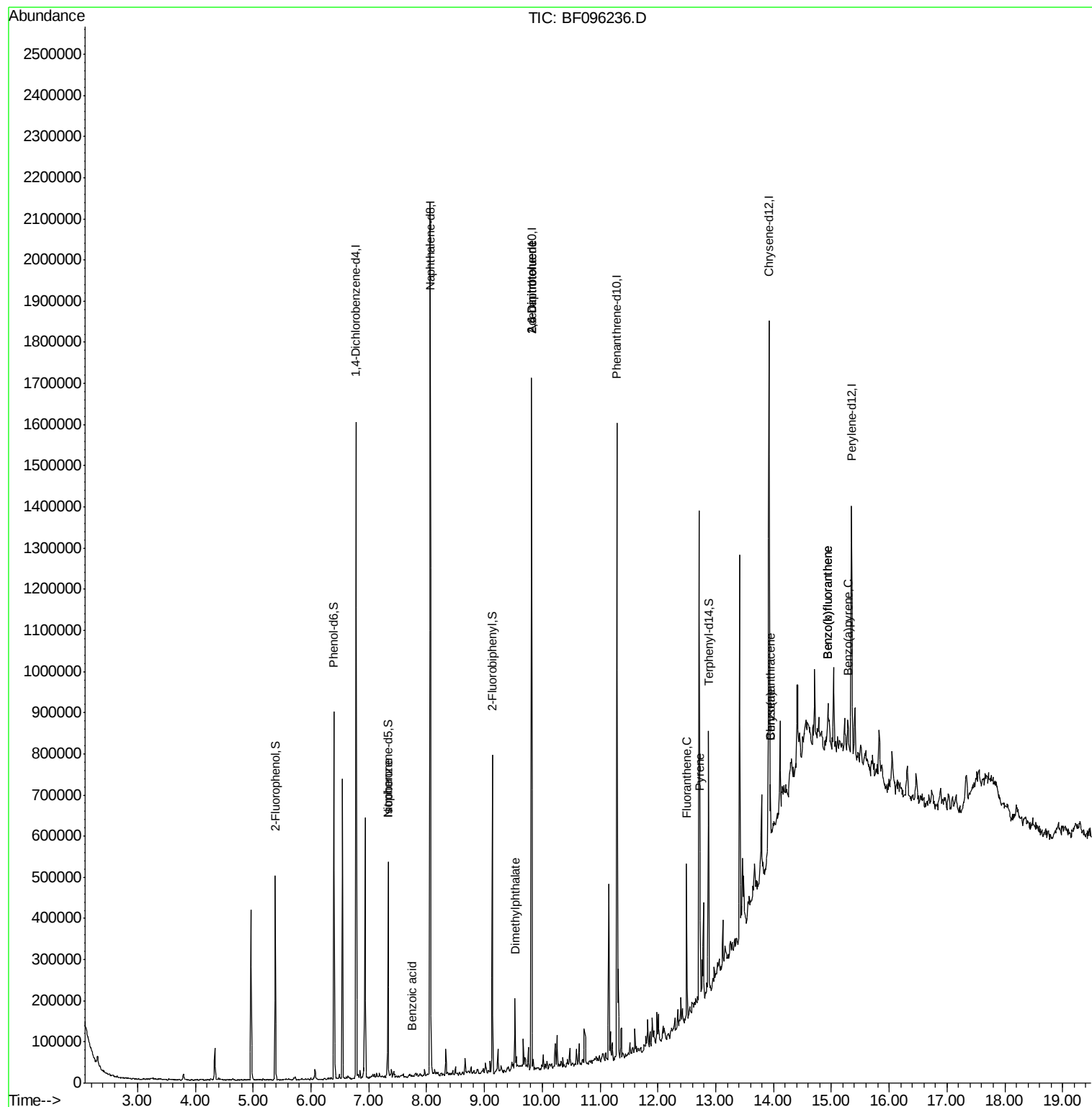
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	220091	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	830033	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	294854	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	480897	20.00	ng	0.00
75) Chrysene-d12	13.92	240	394912	20.00	ng	0.00
86) Perylene-d12	15.35	264	270563	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	133977	8.77	ng	0.00
7) Phenol-d6	6.40	99	244734	13.23	ng	0.00
23) Nitrobenzene-d5	7.33	82	121869	10.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	2177	0.94	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	221775	13.77	ng	-0.02
78) Terphenyl-d14	12.87	244	160271	10.13	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	157	Below Cal	#	38
25) Isophorone	7.33	82	121747	4.47	ng	# 67
32) Benzoic acid	7.74	122	582	8.84	ng	# 72
49) Dimethylphthalate	9.53	163	53553	2.54	ng	99
50) 2,6-Dinitrotoluene	9.82	165	37844	8.62	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	37844	6.84	ng	# 34
70) Phenanthrene	11.32	178	70019	Below Cal		99
74) Fluoranthene	12.50	202	136898	5.12	ng	95
77) Pyrene	12.73	202	128737	3.97	ng	99
80) Benzo(a)anthracene	13.94	228	50144	2.08	ng	96
82) Chrysene	13.94	228	50144	2.01	ng	95
87) Benzo(b)fluoranthene	14.94	252	72342	4.07	ng	# 79
88) Benzo(k)fluoranthene	14.94	252	72342	4.46	ng	# 82
89) Benzo(a)pyrene	15.29	252	38935	2.48	ng	# 69

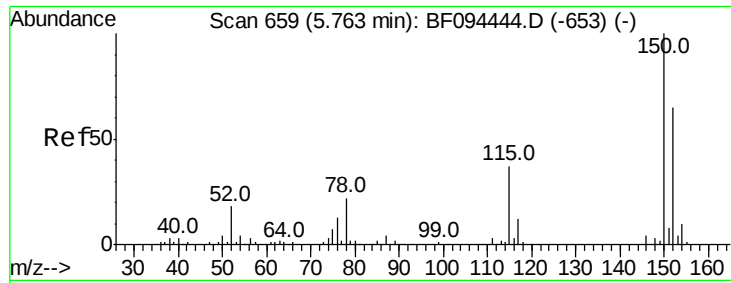
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
Data File : BF096236.D
Acq On : 28 Jun 2017 00:30
Operator : SJ/MA
Sample : I3852-03RE 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 28 04:10:42 2017
Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 27 15:17:15 2017
Response via : Initial Calibration



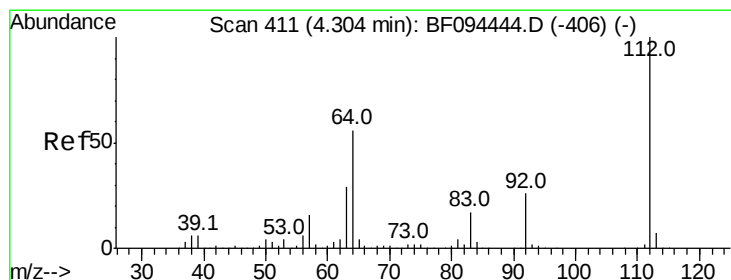
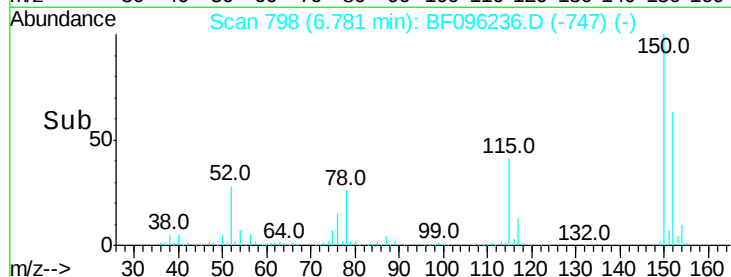
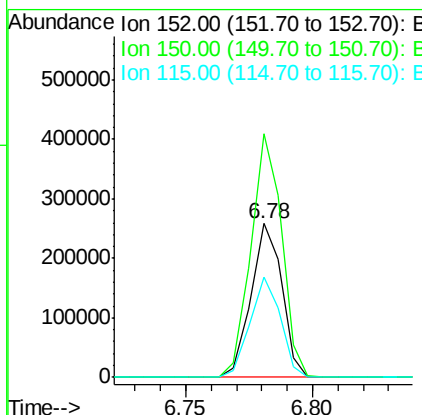
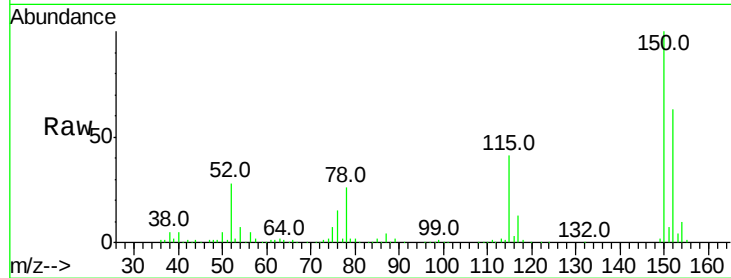


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096236.D
Acq: 28 Jun 2017 00:30

Instrument :
BNA_F
ClientSampled :

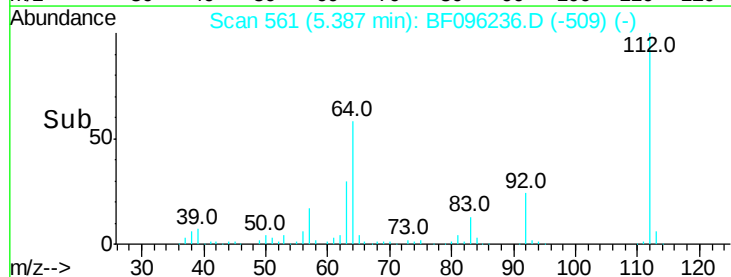
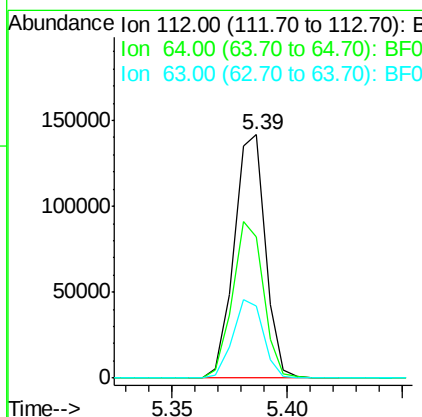
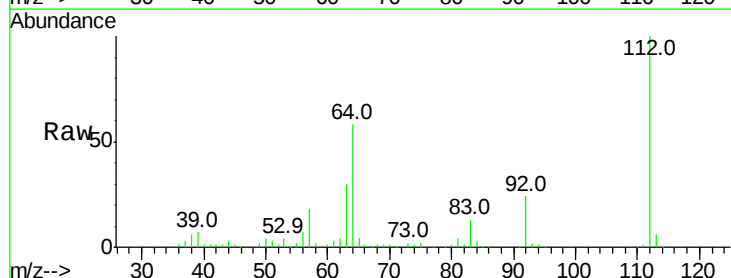
Tot Ion:152 Resp: 220091
Ion Ratio Lower Upper
152 100
150 158.4 126.2 189.2
115 65.6 52.2 78.2

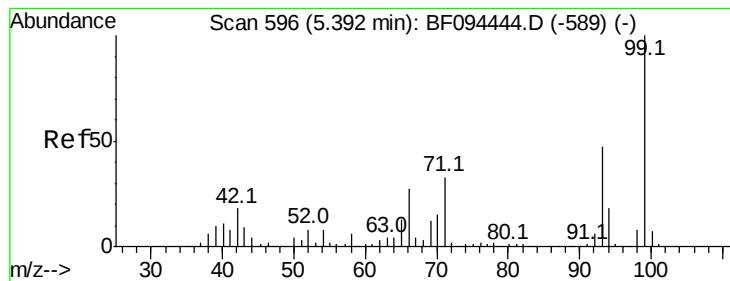


#5

2-Fluorophenol
Concen: 8.77 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096236.D
Acq: 28 Jun 2017 00:30

Tgt Ion:112 Resp: 133977
Ion Ratio Lower Upper
112 100
64 57.9 46.0 69.0
63 29.5 23.4 35.0





#7

Phenol-d6

Concen: 13.23 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096236.D

Acq: 28 Jun 2017 00:30

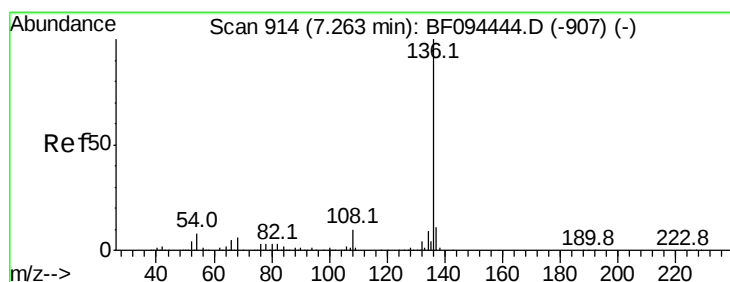
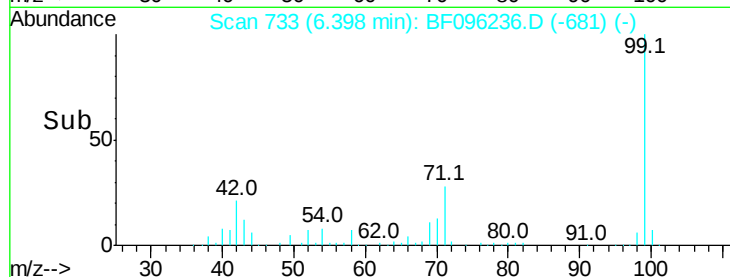
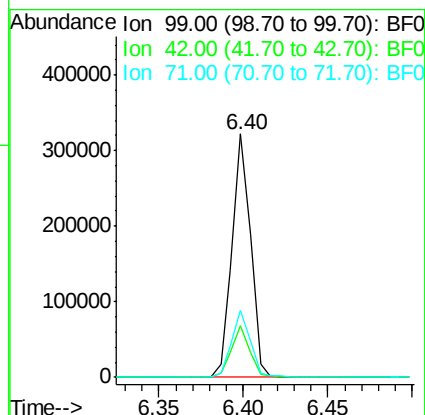
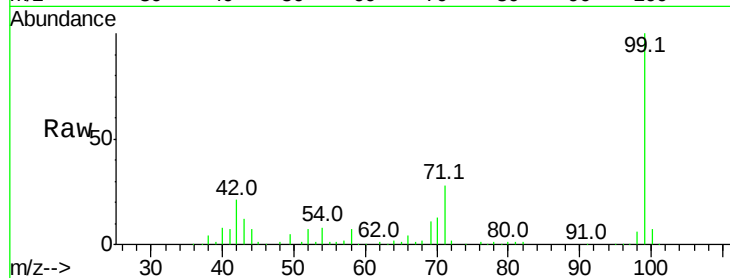
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 244734

Ion	Ratio	Lower	Upper
99	100		
42	21.3	13.5	20.3#
71	27.7	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

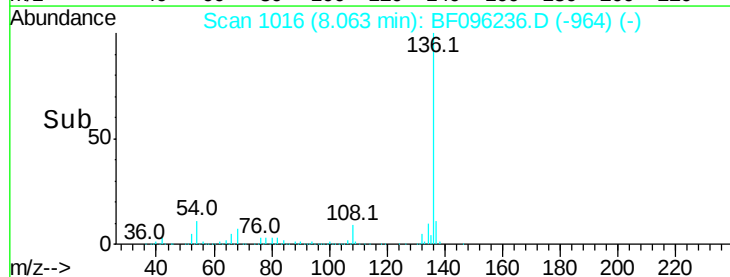
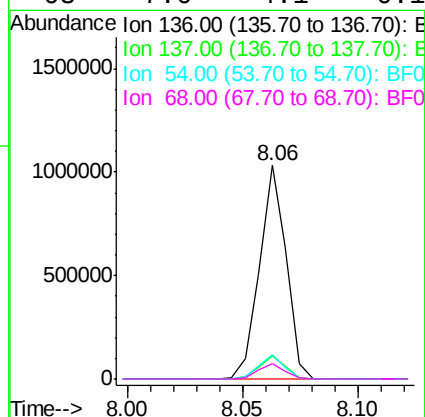
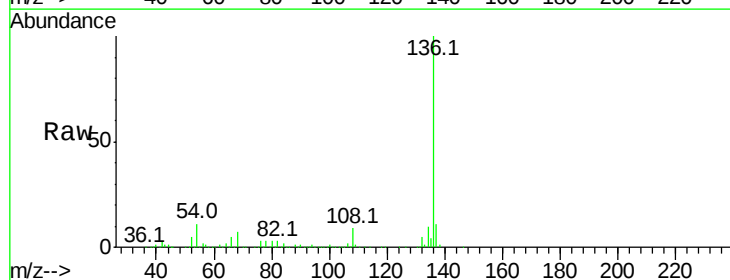
Delta R.T. 0.01 min

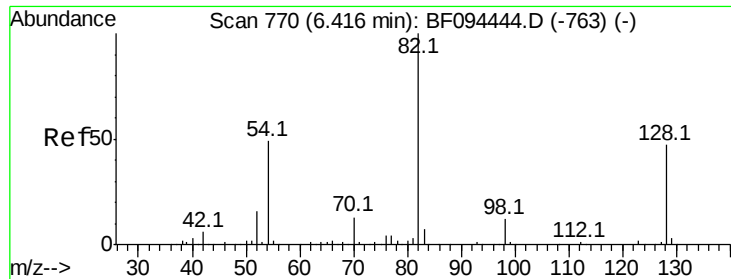
Lab File: BF096236.D

Acq: 28 Jun 2017 00:30

Tgt Ion: 136 Resp: 830033

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.3	4.9	7.3#
68	7.0	4.1	6.1#

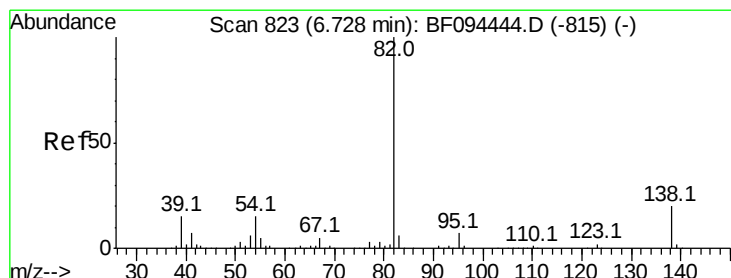
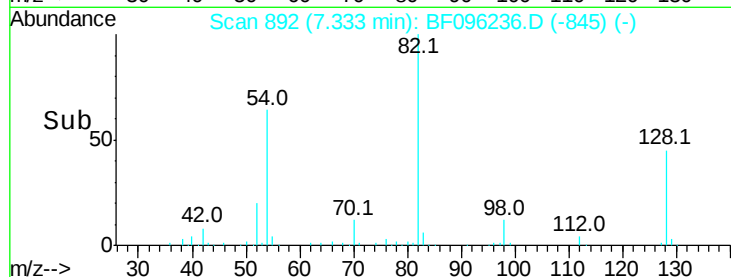
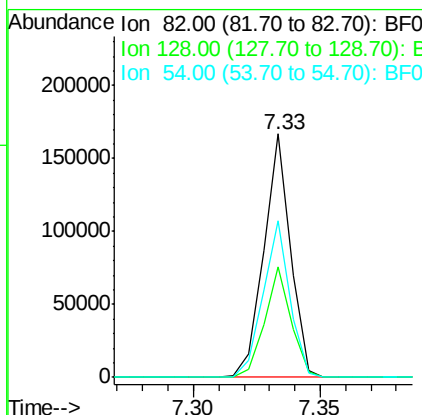
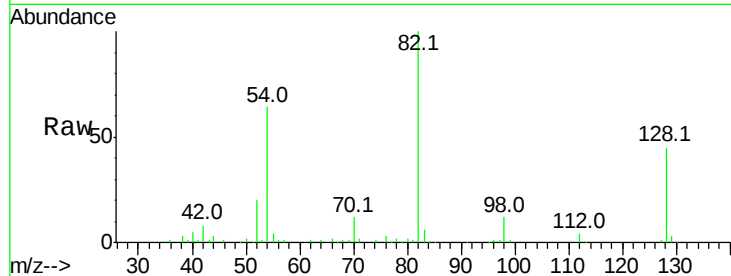




#23
 Nitrobenzene-d5
 Concen: 10.16 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF096236.D
 Acq: 28 Jun 2017 00:30

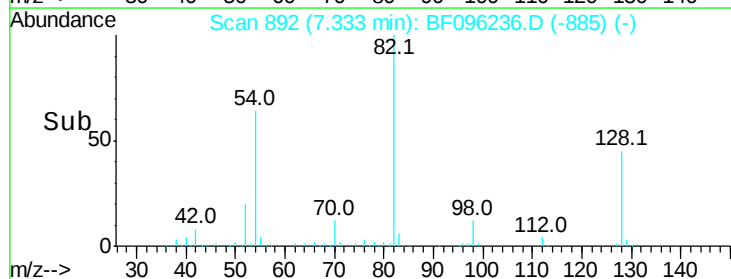
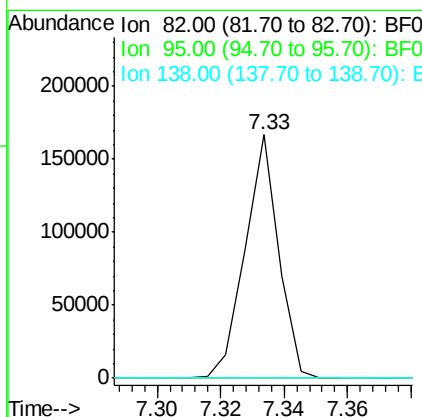
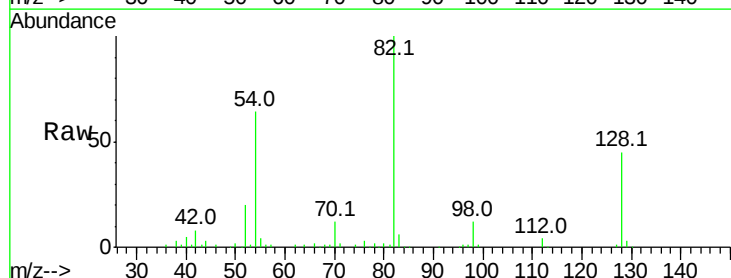
Instrument :
 BNA_F
 ClientSampleId :

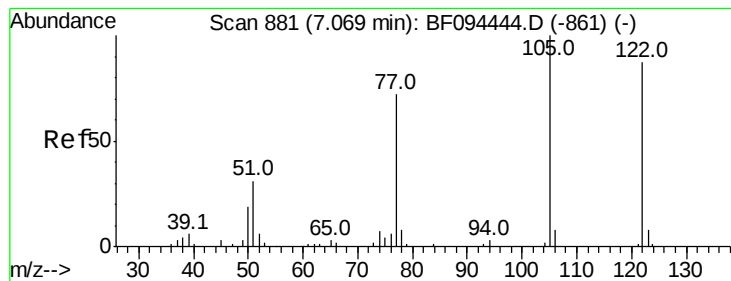
Tot Ion: 82 Resp: 121869
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.0 51.0
 54 64.1 42.2 63.2#



#25
 Isophorone
 Concen: 4.47 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.26 min
 Lab File: BF096236.D
 Acq: 28 Jun 2017 00:30

Tgt Ion: 82 Resp: 121747
 Ion Ratio Lower Upper
 82 100
 95 0.3 5.3 7.9#
 138 0.0 13.1 19.7#





#32

Benzoic acid

Concen: 8.84 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.15 min

Lab File: BF096236.D

Acq: 28 Jun 2017 00:30

Instrument :

BNA_F

ClientSampled :

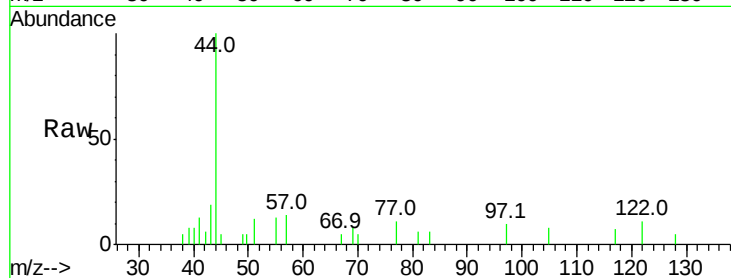
Tot Ion:122 Resp: 582

Ion Ratio Lower Upper

122 100

105 77.0 103.3 143.3#

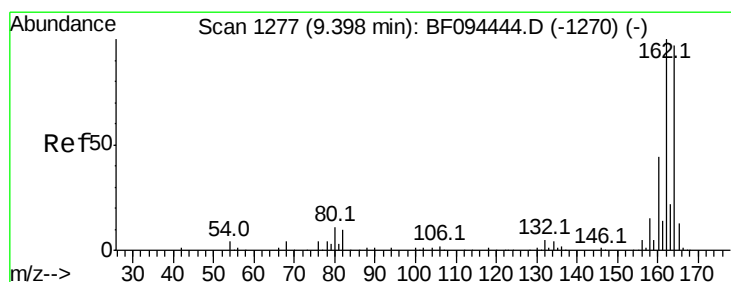
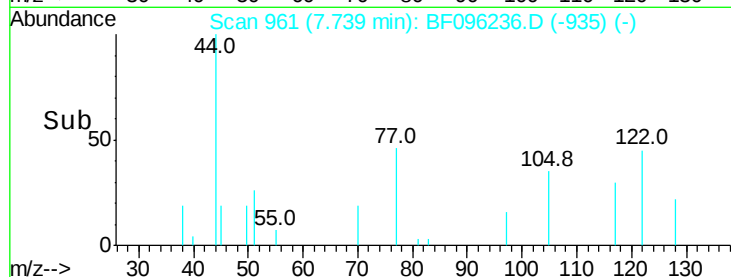
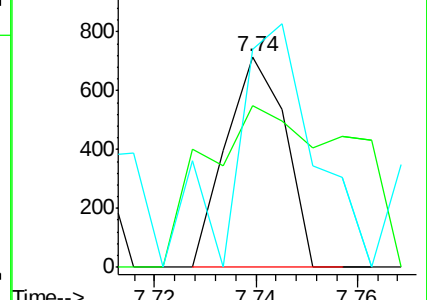
77 103.2 73.7 113.7



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: BF096236.D

Acq: 28 Jun 2017 00:30

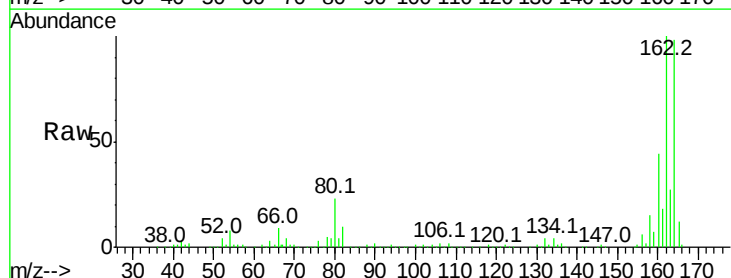
Tgt Ion:164 Resp: 294854

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

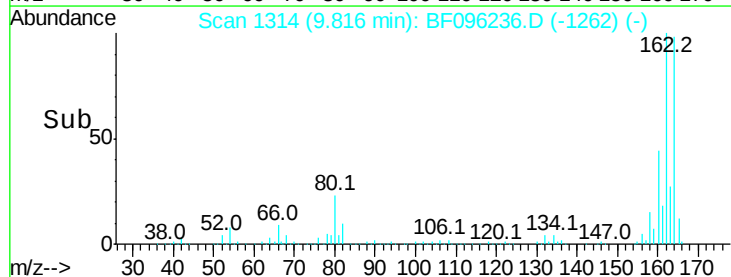
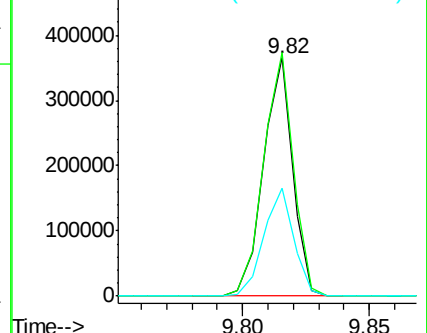
160 45.1 36.2 54.2

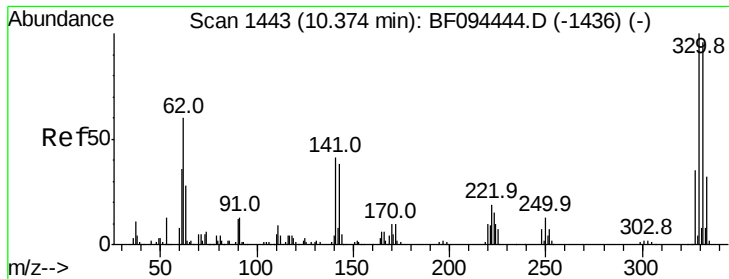


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

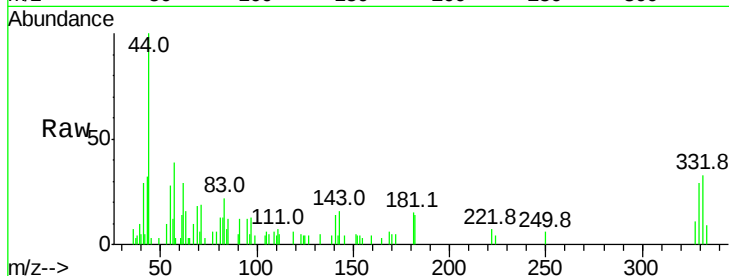




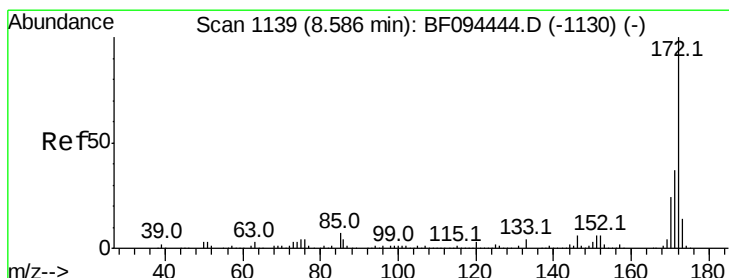
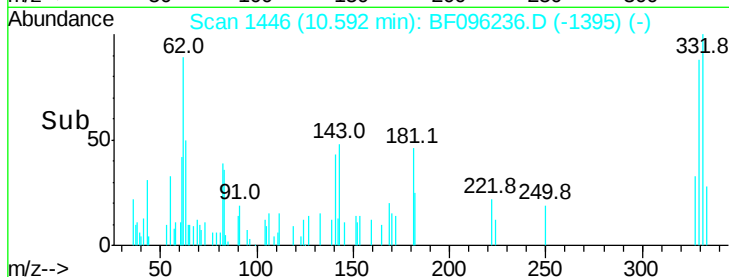
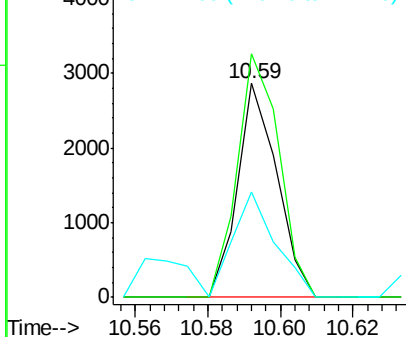
#41
 2,4,6-Tribromophenol
 Concen: 0.94 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096236.D
 Acq: 28 Jun 2017 00:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 2177
 Ion Ratio Lower Upper
 330 100
 332 119.9 76.6 115.0#
 141 53.4 31.4 47.2#

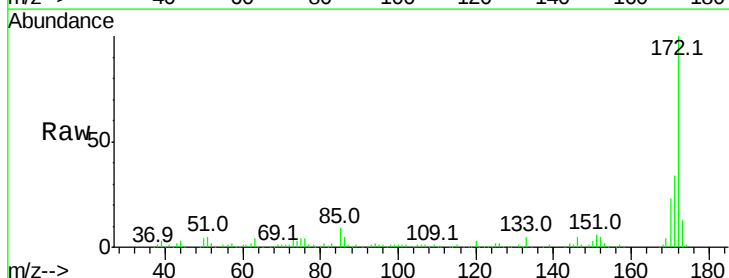


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

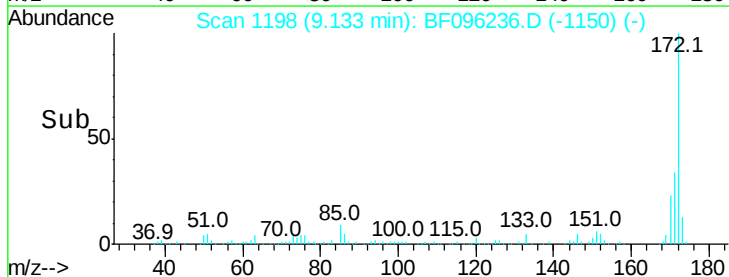
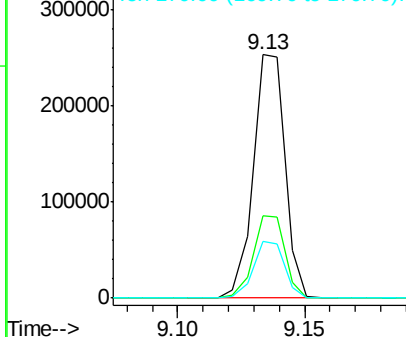


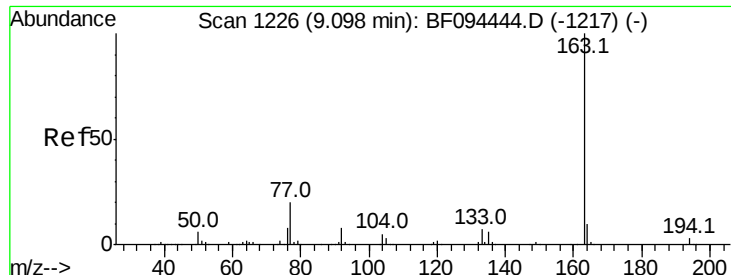
#44
 2-Fluorobiphenyl
 Concen: 13.77 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096236.D
 Acq: 28 Jun 2017 00:30

Tgt Ion:172 Resp: 221775
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.6 44.4
 170 23.3 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

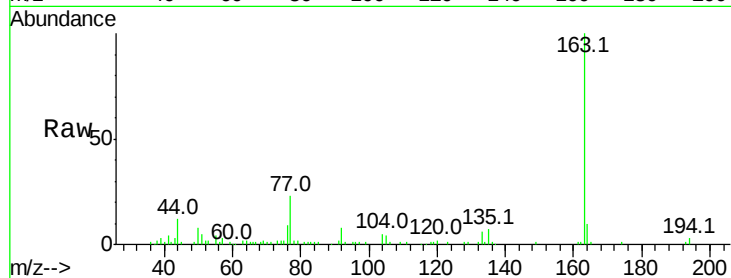




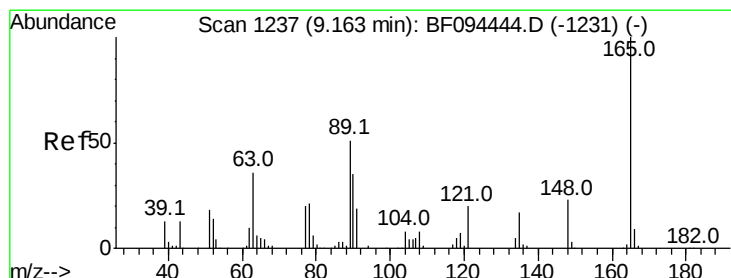
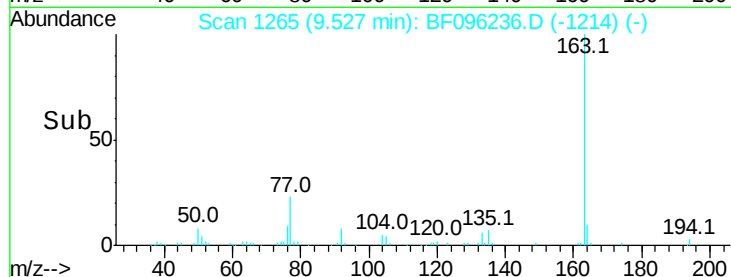
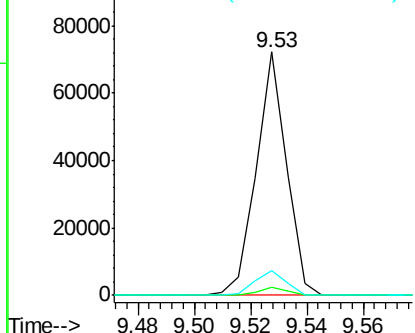
#49
Dimethylphthalate
Concen: 2.54 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096236.D
Acq: 28 Jun 2017 00:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 53553
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.1 8.4 12.6

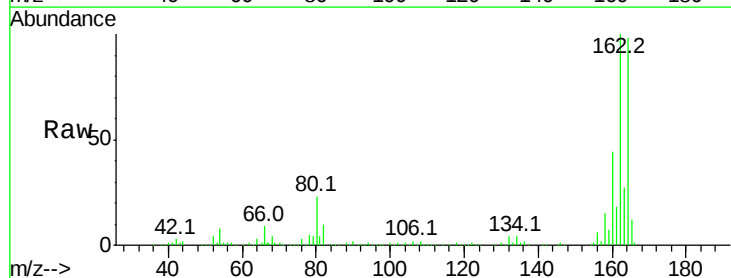


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

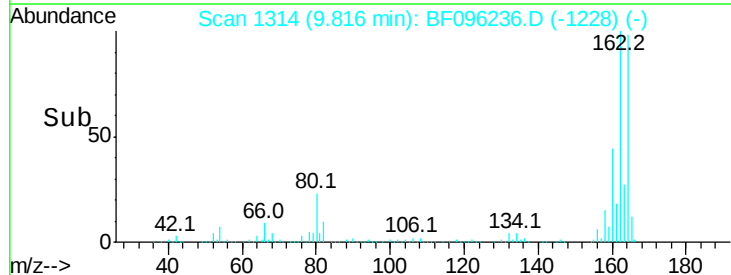
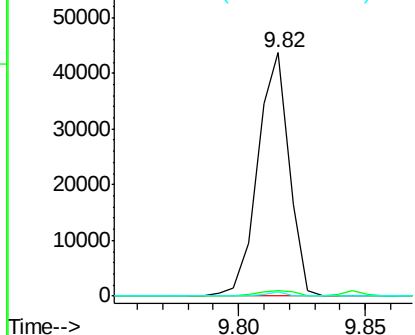


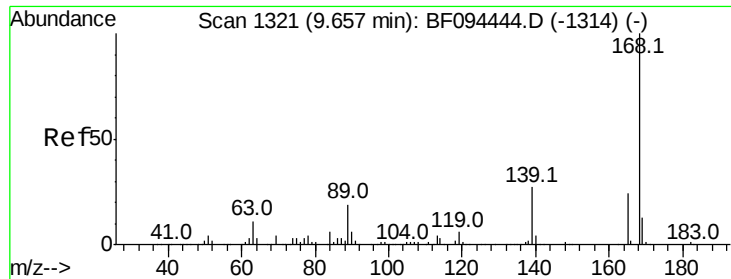
#50
2,6-Dinitrotoluene
Concen: 8.62 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.21 min
Lab File: BF096236.D
Acq: 28 Jun 2017 00:30

Tgt Ion:165 Resp: 37844
Ion Ratio Lower Upper
165 100
63 2.1 34.3 51.5#
89 1.7 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

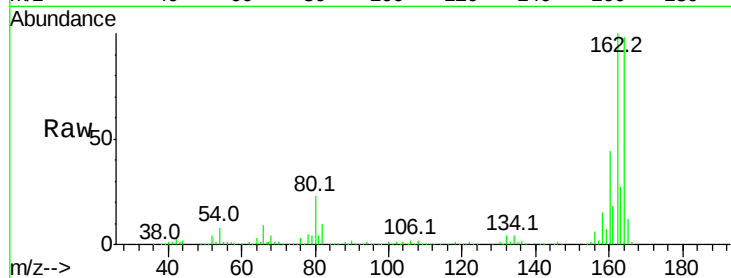




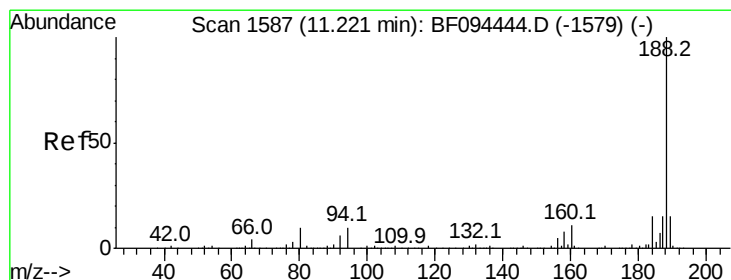
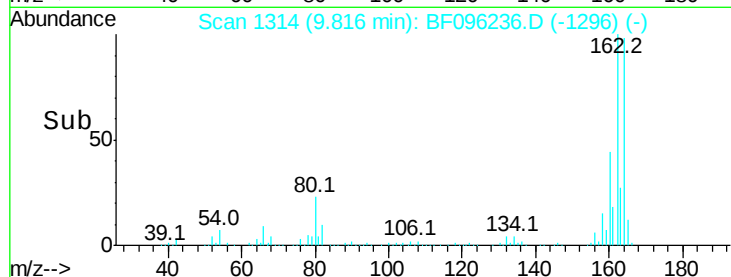
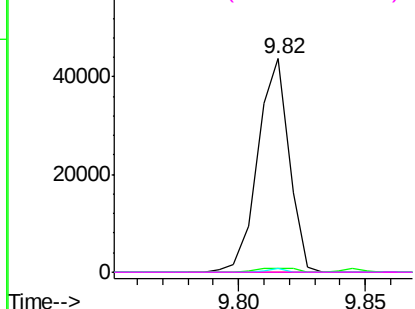
#56
 2,4-Dinitrotoluene
 Concen: 6.84 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF096236.D
 Acq: 28 Jun 2017 00:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 37844
 Ion Ratio Lower Upper
 165 100
 63 2.1 25.4 38.0#
 89 1.7 46.4 69.6#
 182 0.0 1.8 2.6#

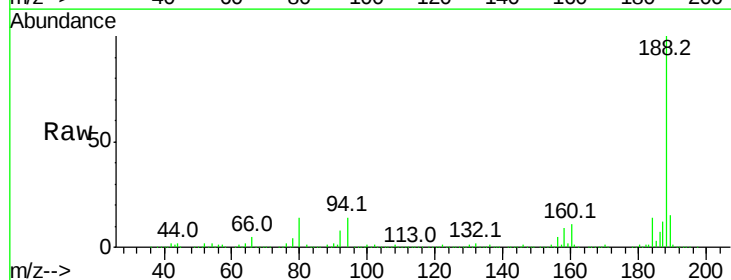


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

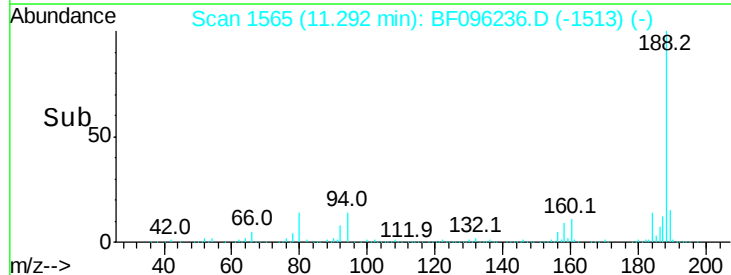
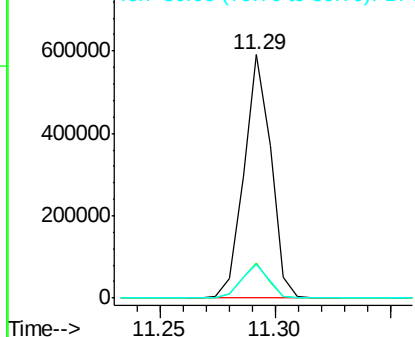


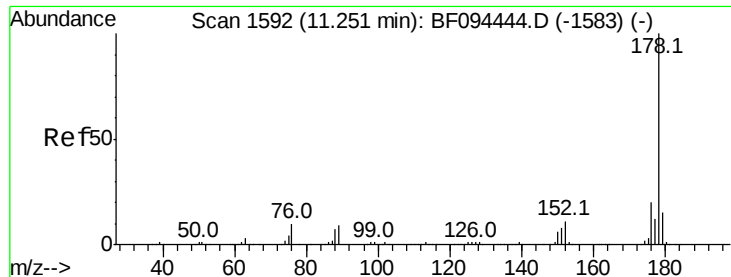
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF096236.D
 Acq: 28 Jun 2017 00:30

Tgt Ion:188 Resp: 480897
 Ion Ratio Lower Upper
 188 100
 94 14.2 9.4 14.2#
 80 14.0 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

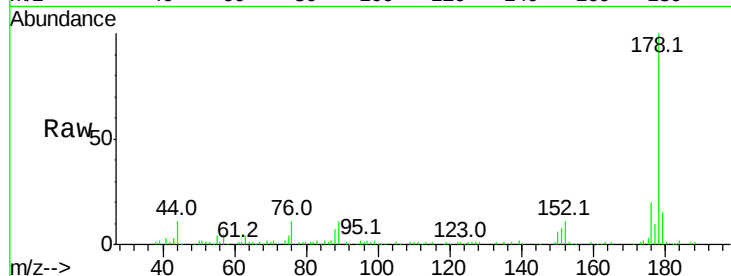




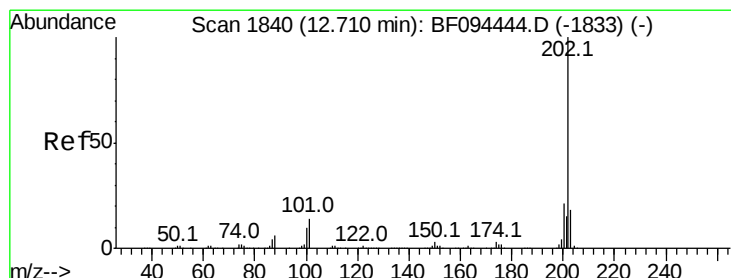
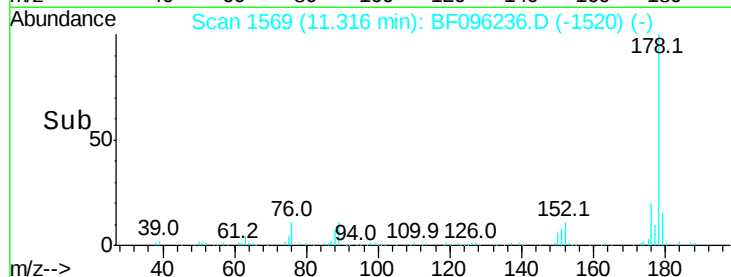
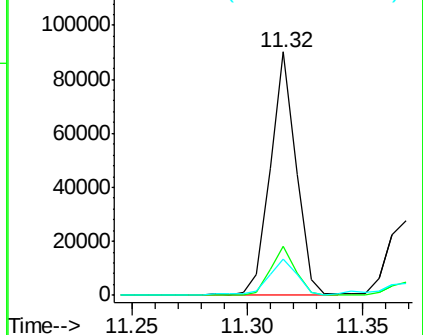
#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF096236.D
Acq: 28 Jun 2017 00:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 70019
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 14.8 12.6 19.0

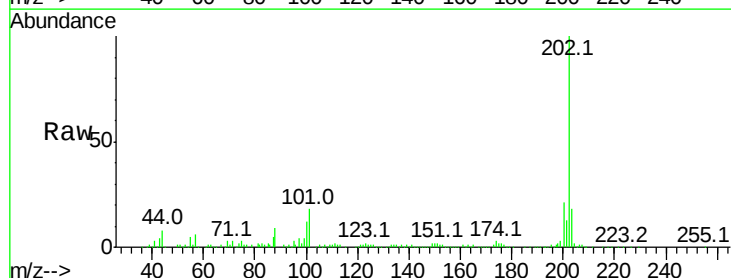


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

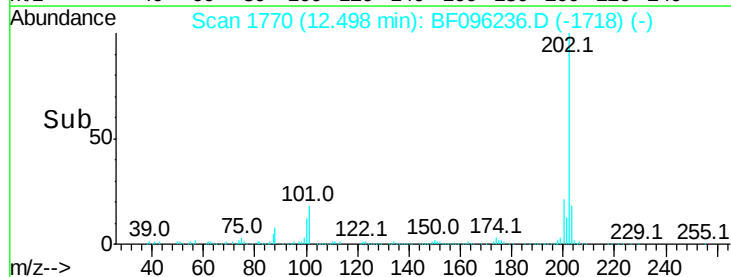
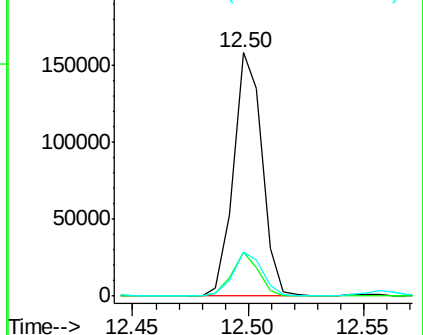


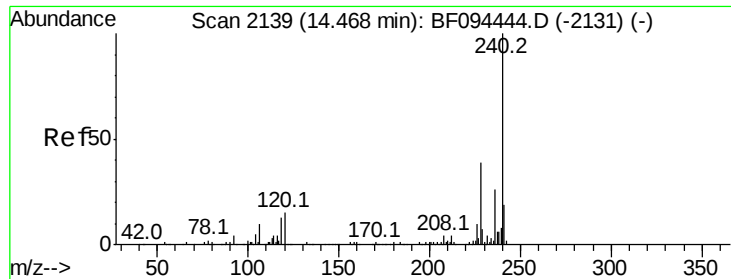
#74
Fluoranthene
Concen: 5.12 ng
RT: 12.50 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BF096236.D
Acq: 28 Jun 2017 00:30

Tgt Ion:202 Resp: 136898
Ion Ratio Lower Upper
202 100
101 17.9 0.0 33.2
203 18.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF096236.D

Acq: 28 Jun 2017 00:30

Instrument :

BNA_F

ClientSampleId :

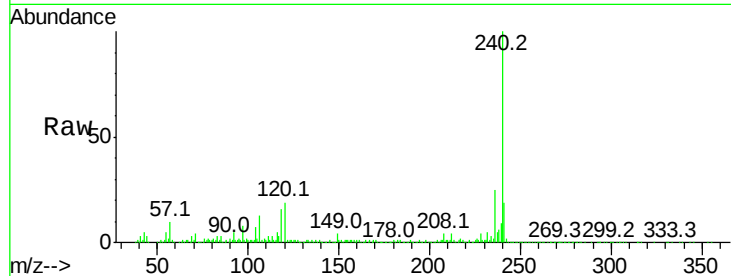
Tot Ion:240 Resp: 394912

Ion Ratio Lower Upper

240 100

120 19.3 5.8 8.8#

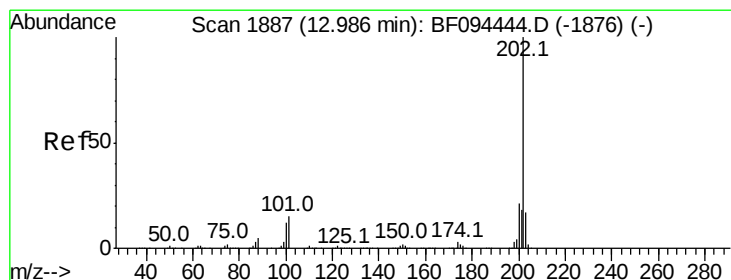
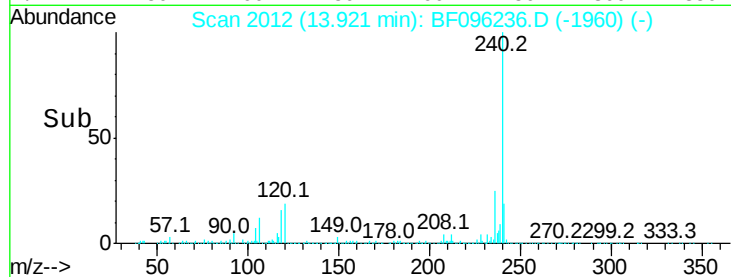
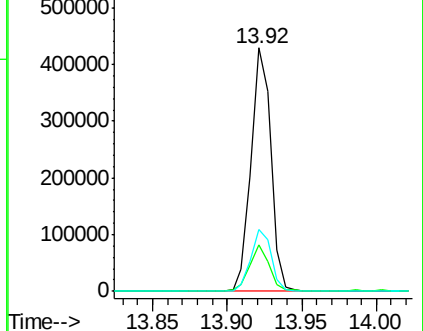
236 25.4 20.5 30.7



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

Pyrene

Concen: 3.97 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF096236.D

Acq: 28 Jun 2017 00:30

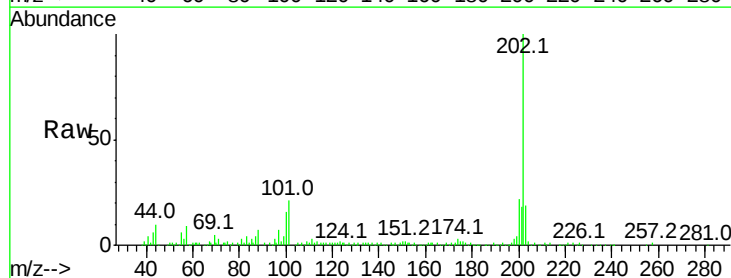
Tgt Ion:202 Resp: 128737

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

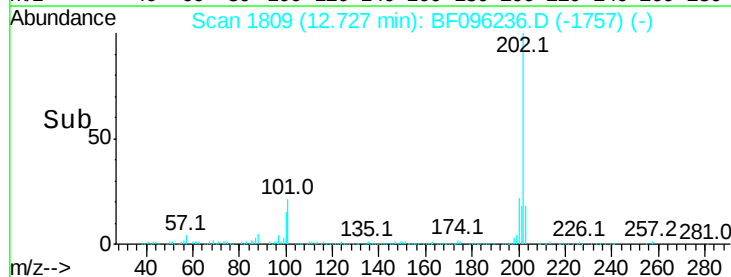
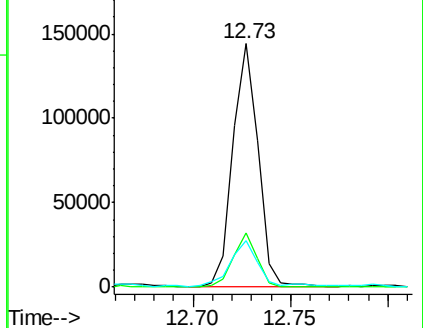
203 18.9 14.4 21.6

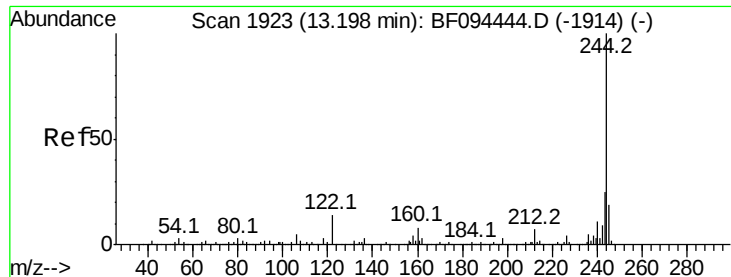


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.13 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096236.D

Acq: 28 Jun 2017 00:30

Instrument :

BNA_F

ClientSampleId :

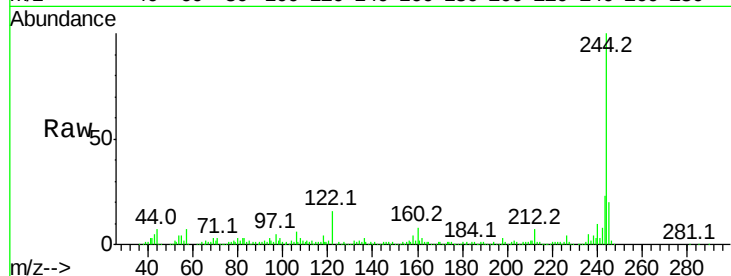
Tot Ion:244 Resp: 160271

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

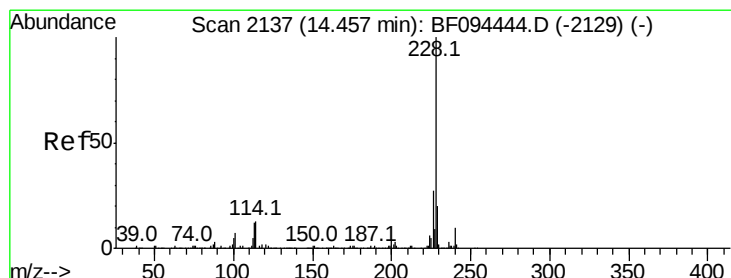
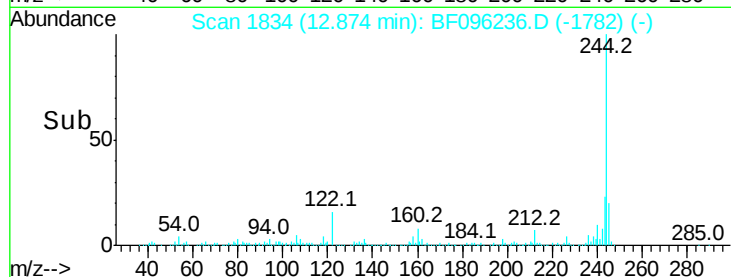
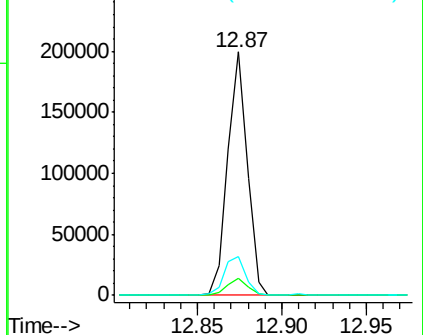
122 16.1 10.3 15.5#



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: 2.08 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.04 min

Lab File: BF096236.D

Acq: 28 Jun 2017 00:30

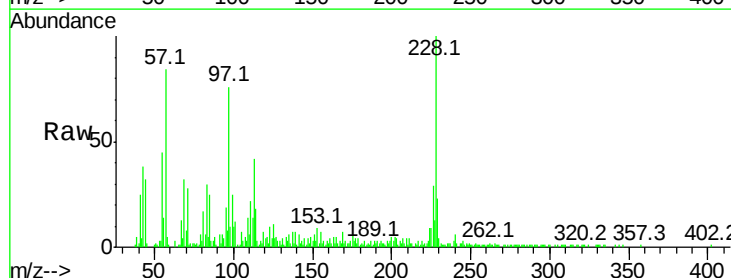
Tgt Ion:228 Resp: 50144

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

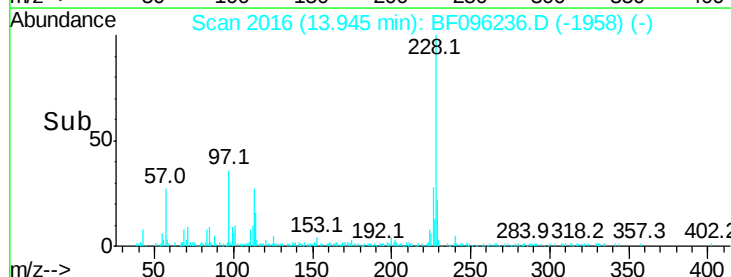
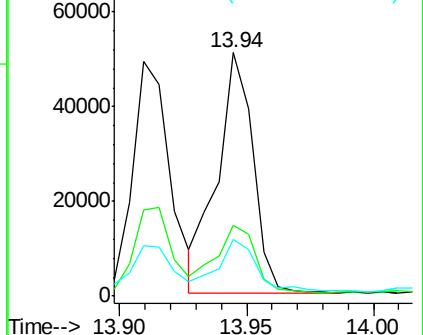
229 23.5 16.3 24.5

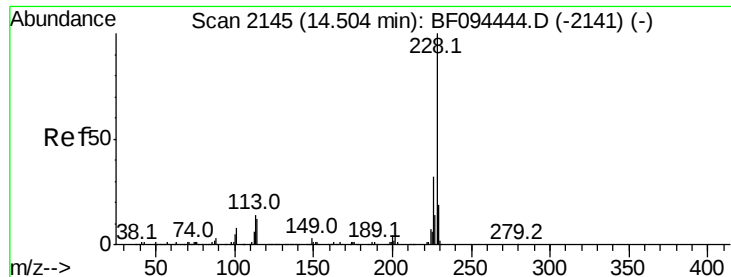


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

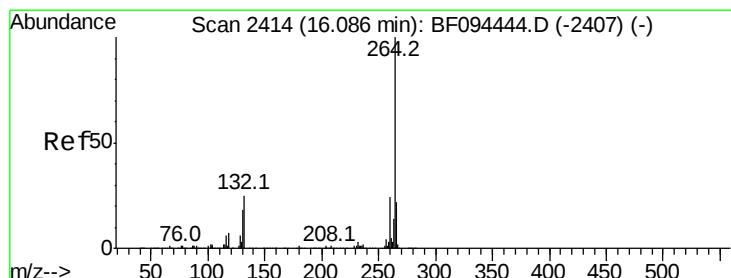
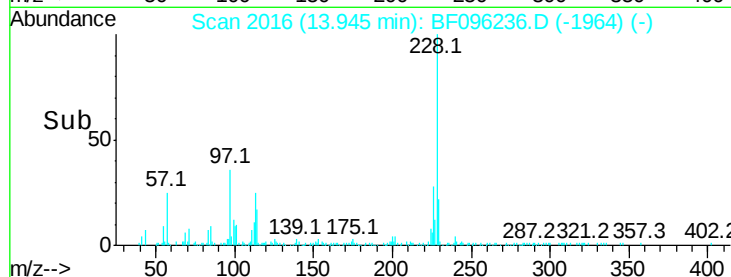
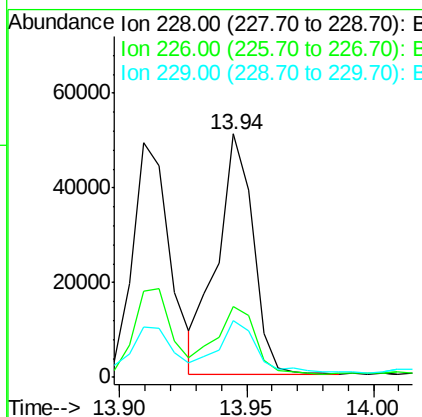
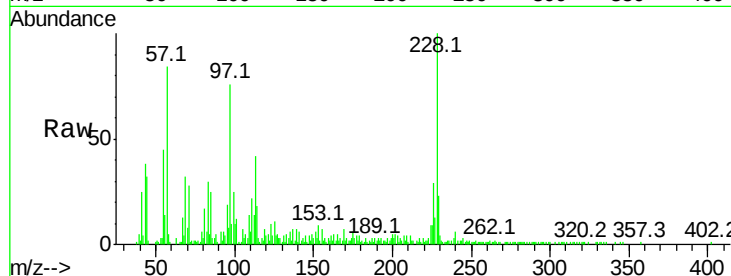




#82
Chrysene
Concen: 2.01 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF096236.D
Acq: 28 Jun 2017 00:30

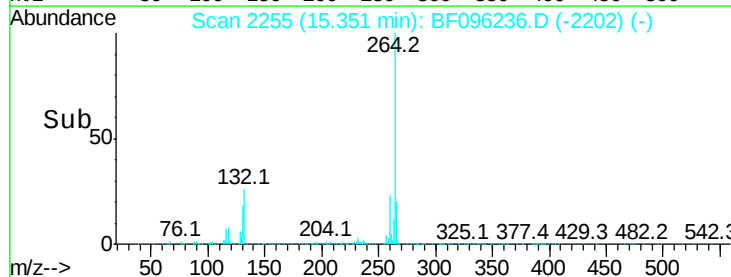
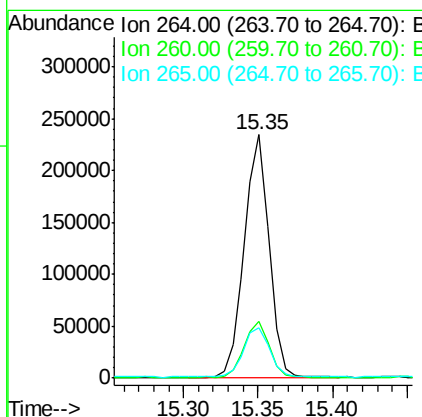
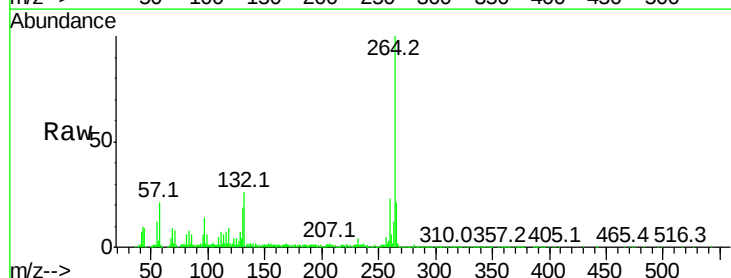
Instrument :
BNA_F
ClientSampleId :

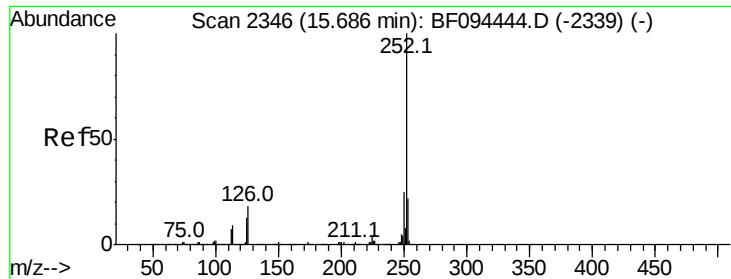
Tot Ion:228 Resp: 50144
Ion Ratio Lower Upper
228 100
226 29.1 24.9 37.3
229 23.5 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF096236.D
Acq: 28 Jun 2017 00:30

Tgt Ion:264 Resp: 270563
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 20.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 4.07 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BF096236.D

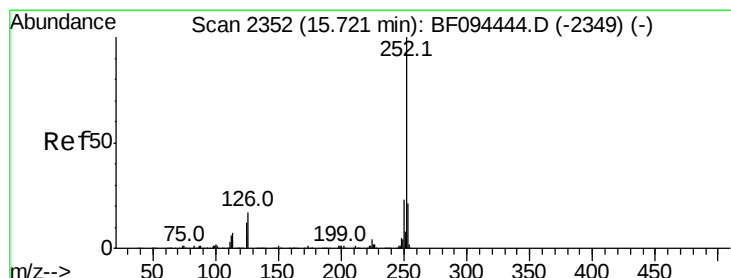
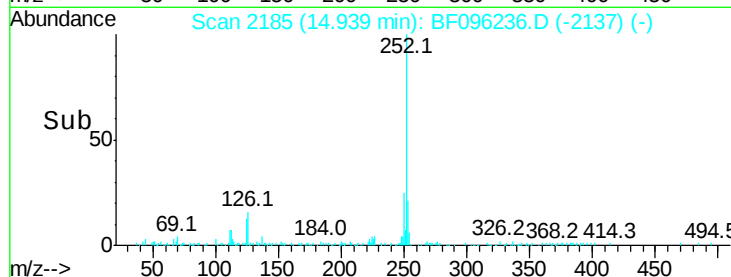
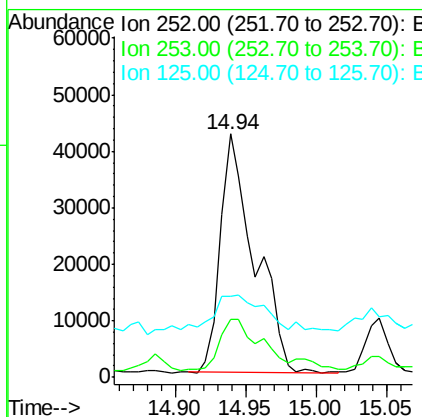
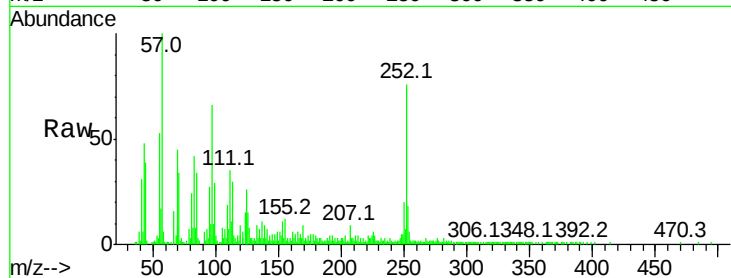
Acq: 28 Jun 2017 00:30

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	72342
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.1 27.1
125	33.5	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 4.46 ng

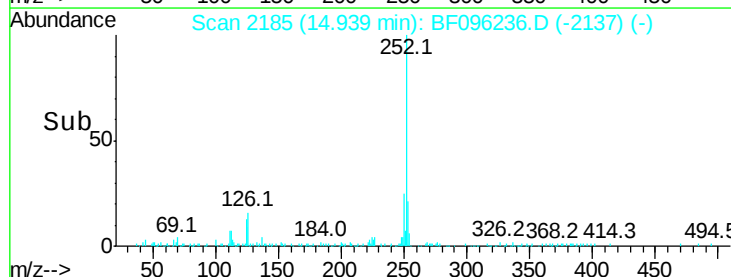
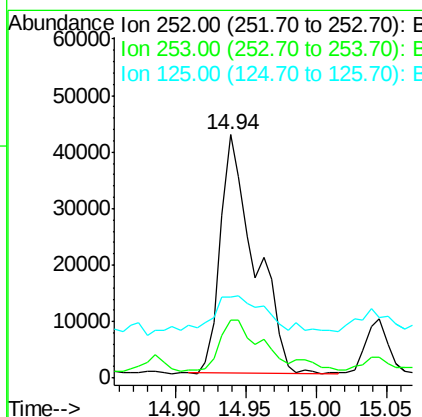
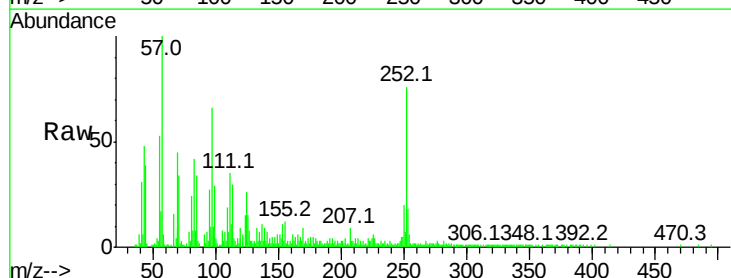
RT: 14.94 min Scan# 2185

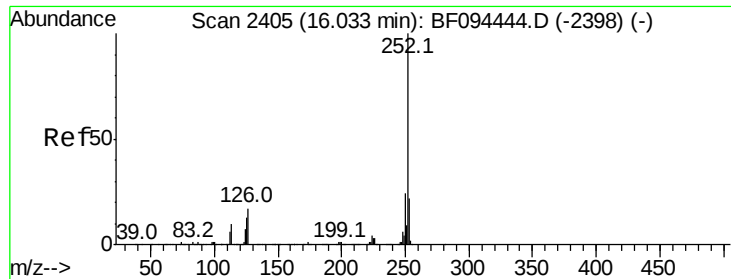
Delta R.T. -0.02 min

Lab File: BF096236.D

Acq: 28 Jun 2017 00:30

Tgt Ion:252	Resp:	72342
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.4 27.6
125	33.5	13.1 19.7#





#89

Benzo(a)pyrene

Concen: 2.48 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF096236.D

Acq: 28 Jun 2017 00:30

Instrument :

BNA_F

ClientSampleId :

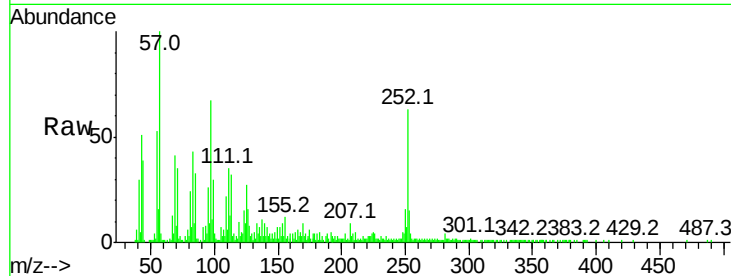
Tot Ion:252 Resp: 38935

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 42.5 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

