

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
 Data File : BF096238.D
 Acq On : 28 Jun 2017 1:25
 Operator : SJ/MA
 Sample : I3872-01RE 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 28 04:11:21 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	199753	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	597283	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	270548	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	453901	20.00	ng	0.00
75) Chrysene-d12	13.92	240	356579	20.00	ng	0.00
86) Perylene-d12	15.35	264	249299	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	156161	11.26	ng	0.00
7) Phenol-d6	6.40	99	197883	11.79	ng	0.00
23) Nitrobenzene-d5	7.33	82	123577	14.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	23514	11.04	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	168707	11.42	ng	-0.01
78) Terphenyl-d14	12.87	244	132557	9.28	ng	0.00

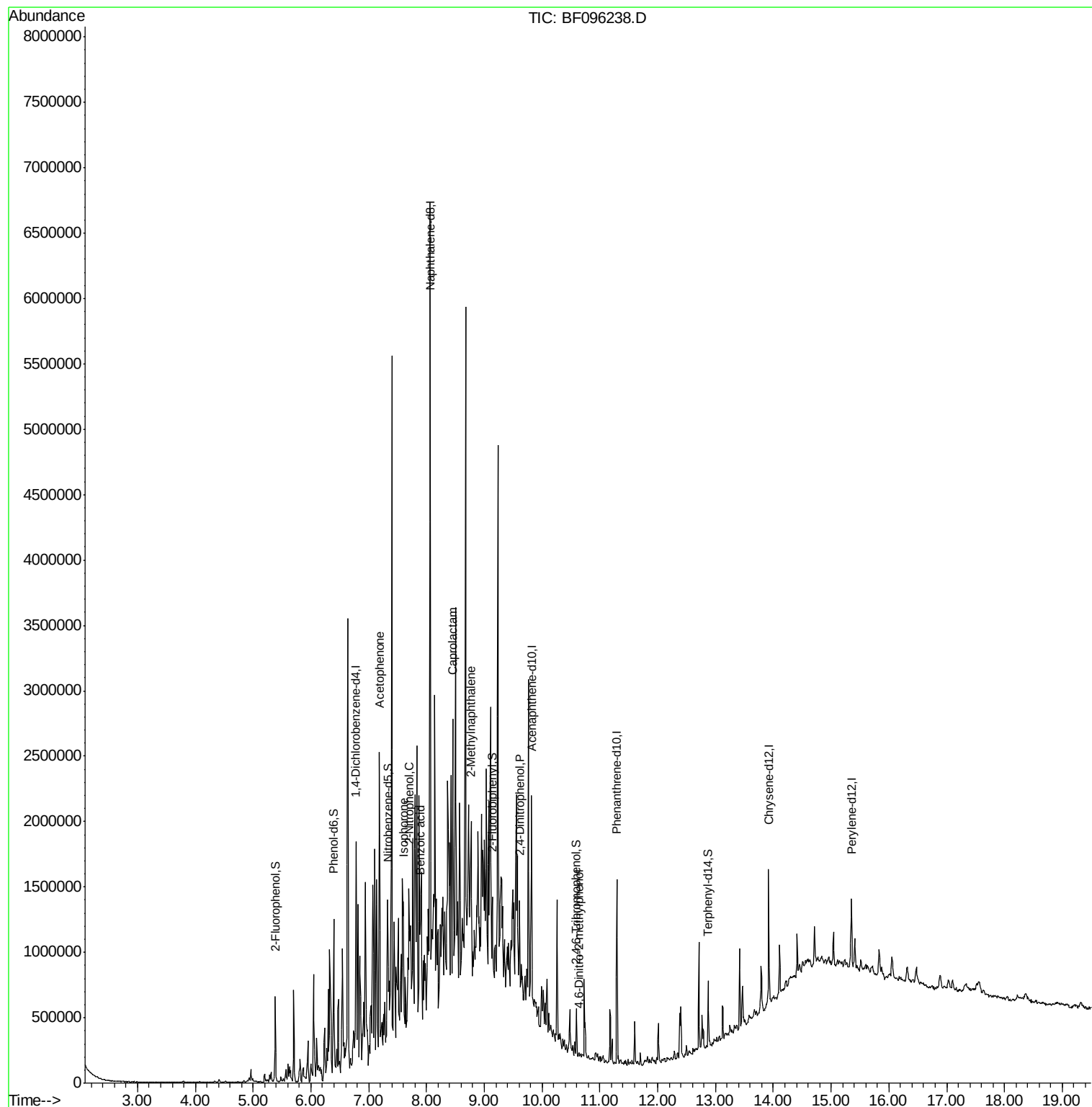
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.32	77	7187	Below Cal	#	1
22) Acetophenone	7.19	105	199486	16.07	ng	41
25) Isophorone	7.60	82	43627	2.23	ng	1
26) 2-Nitrophenol	7.70	139	2994	6.64	ng	1
32) Benzoic acid	7.89	122	1364	8.96	ng	1
35) Caprolactam	8.46	113	12254	4.70	ng	1
37) 2-Methylnaphthalene	8.77	142	42769	2.29	ng	96
53) 2,4-Dinitrophenol	9.61	184	595	8.00	ng	1
64) 4,6-Dinitro-2-methylphenol	10.65	198	258	8.84	ng	1
70) Phenanthrene	11.32	178	19082	Below Cal		99

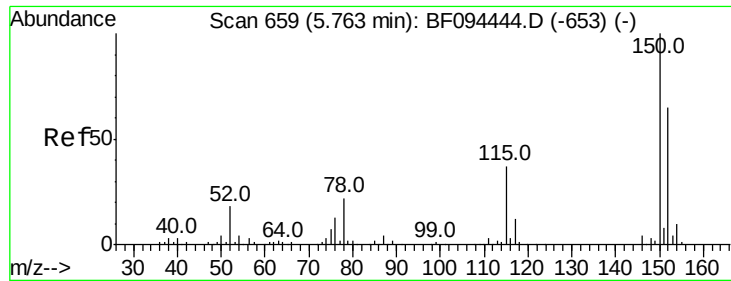
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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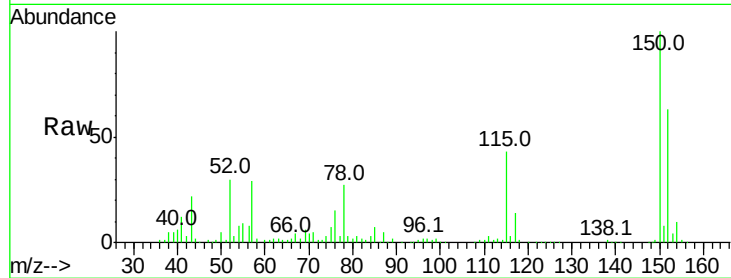


#1

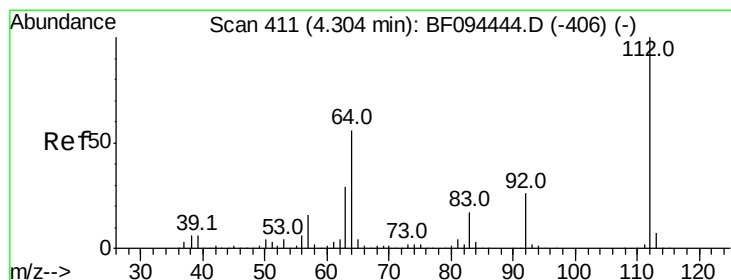
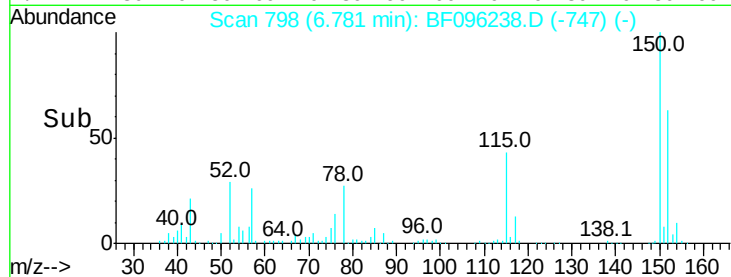
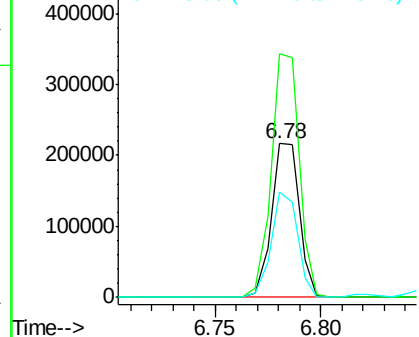
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096238.D
Acq: 28 Jun 2017 1:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 199753
Ion Ratio Lower Upper
152 100
150 158.7 126.2 189.2
115 69.0 52.2 78.2



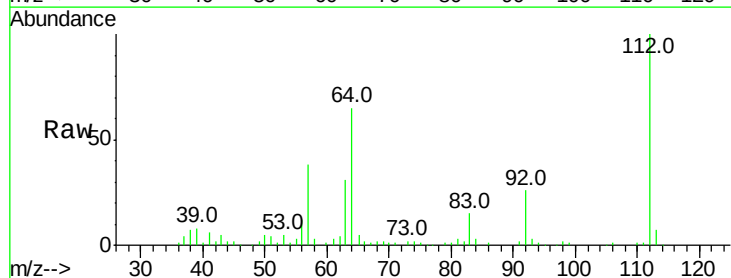
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



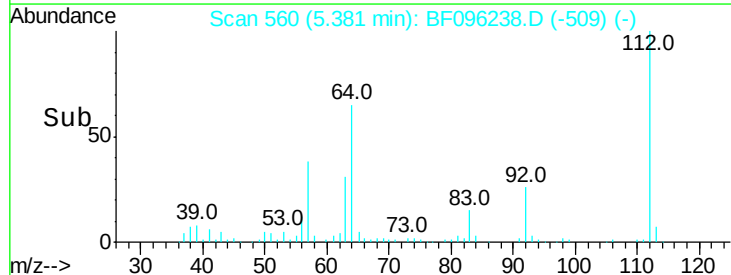
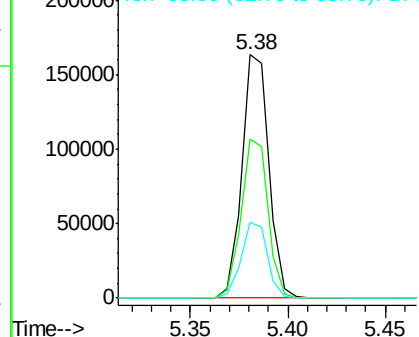
#5

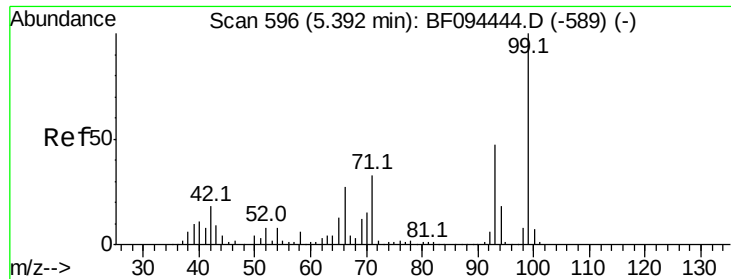
2-Fluorophenol
Concen: 11.26 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096238.D
Acq: 28 Jun 2017 1:25

Tgt Ion:112 Resp: 156161
Ion Ratio Lower Upper
112 100
64 65.3 46.0 69.0
63 31.1 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: 11.79 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

Instrument :

BNA_F

ClientSampleId :

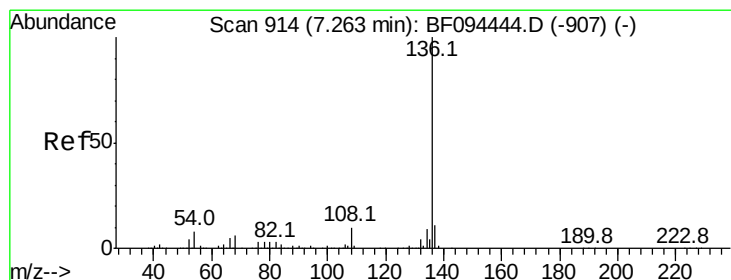
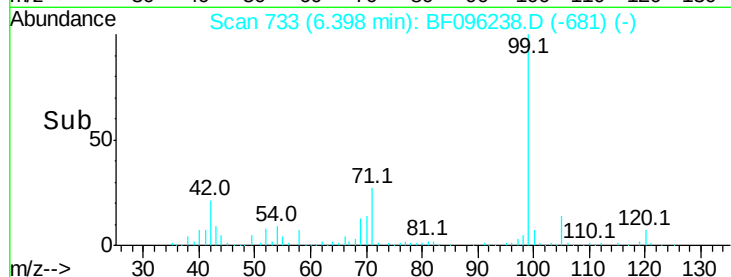
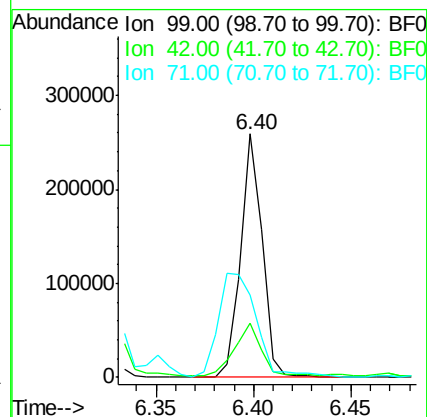
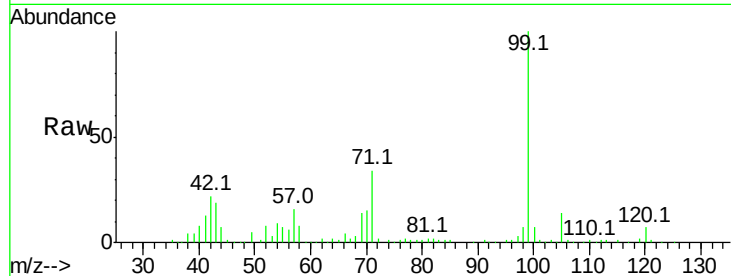
Tot Ion: 99 Resp: 197883

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

71 33.8 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: BF096238.D

Acq: 28 Jun 2017 1:25

Tgt Ion: 136 Resp: 597283

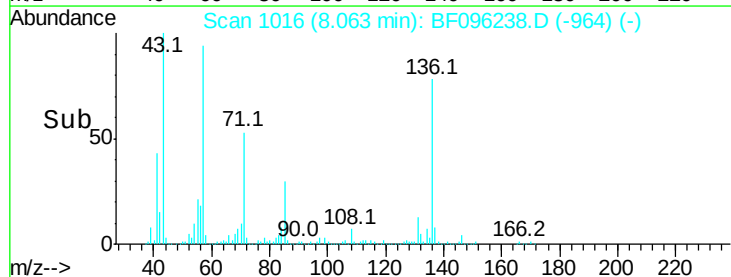
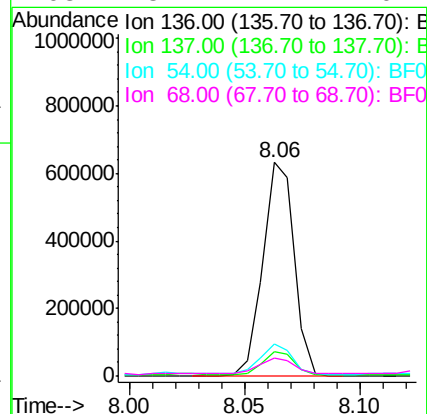
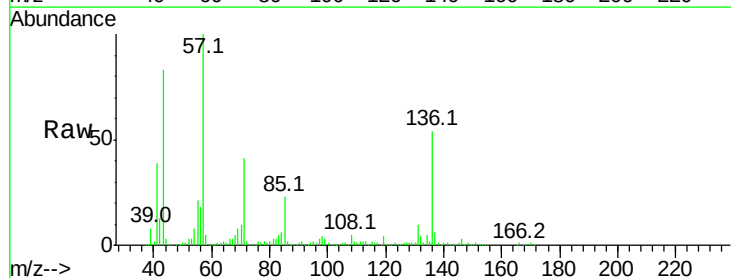
Ion Ratio Lower Upper

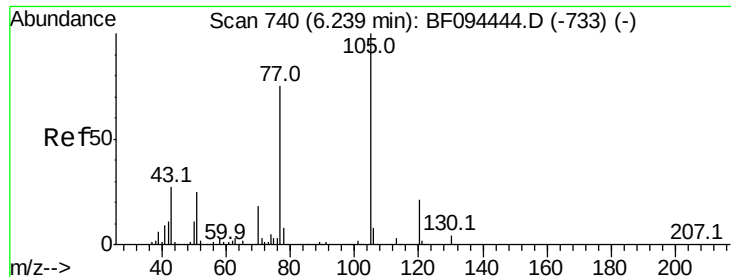
136 100

137 11.3 8.5 12.7

54 14.8 4.9 7.3#

68 8.7 4.1 6.1#

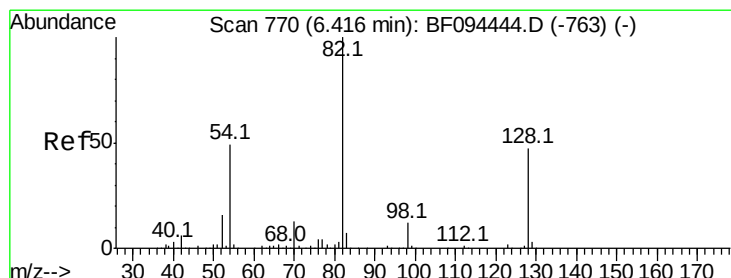
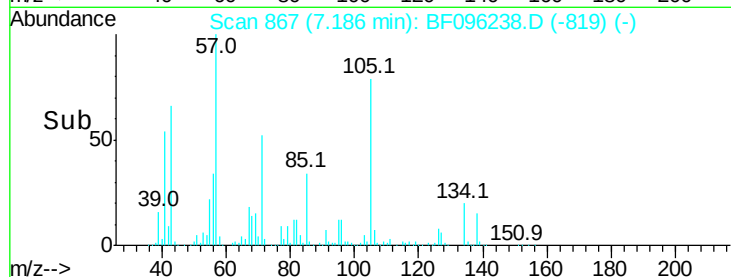
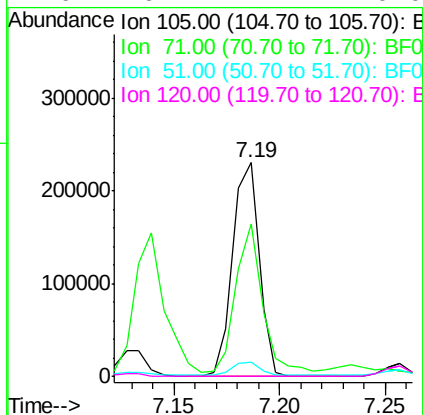
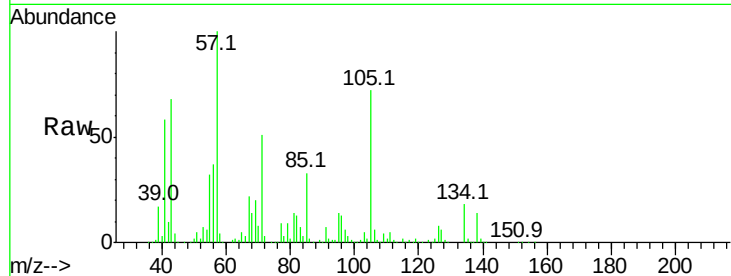




#22
Acetophenone
Concen: 16.07 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.02 min
Lab File: BF096238.D
Acq: 28 Jun 2017 1:25

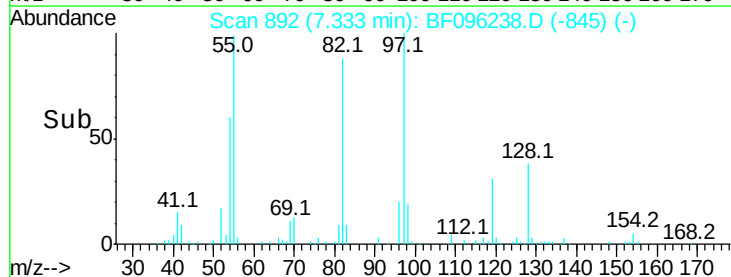
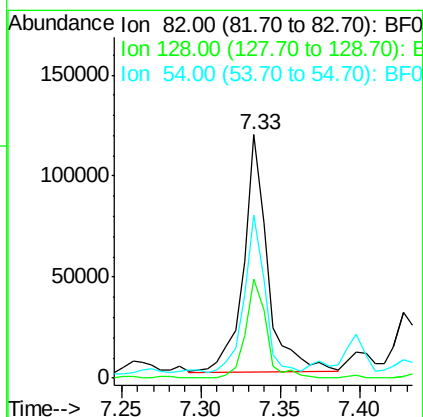
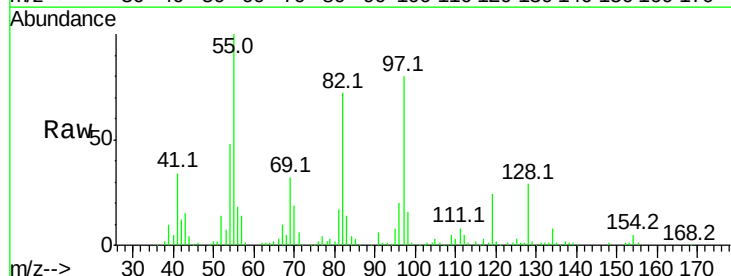
Instrument :
BNA_F
ClientSampleId :

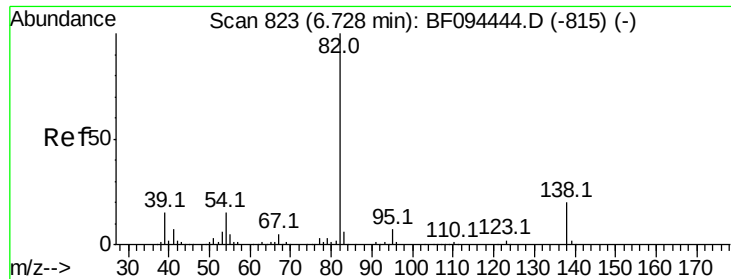
Tot Ion:105 Resp: 199486
Ion Ratio Lower Upper
105 100
71 71.5 2.8 4.2#
51 6.6 30.7 46.1#
120 0.2 17.4 26.0#



#23
Nitrobenzene-d5
Concen: 14.32 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF096238.D
Acq: 28 Jun 2017 1:25

Tgt Ion: 82 Resp: 123577
Ion Ratio Lower Upper
82 100
128 40.5 34.0 51.0
54 67.1 42.2 63.2#





#25

Isophorone

Concen: 2.23 ng

RT: 7.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

Instrument :

BNA_F

ClientSampleId :

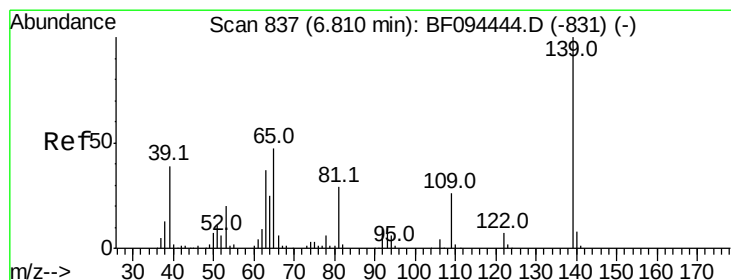
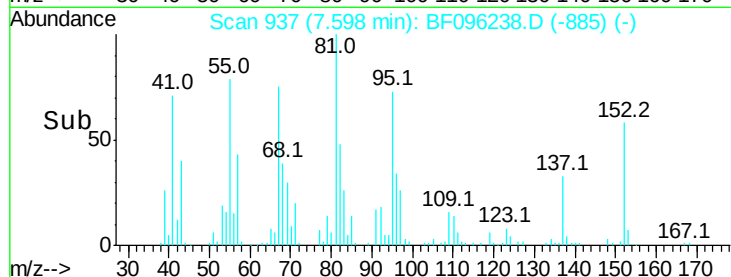
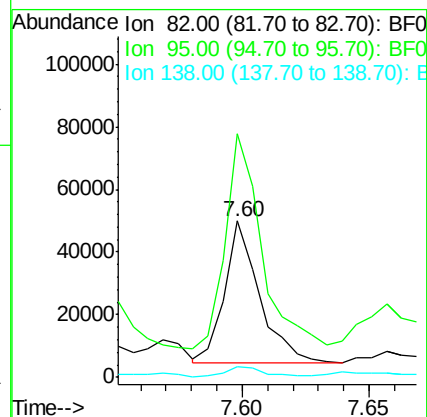
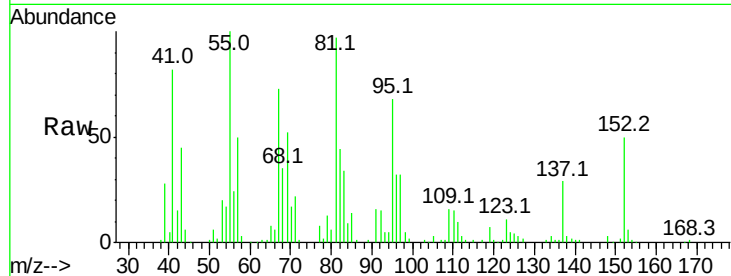
Tot Ion: 82 Resp: 43627

Ion Ratio Lower Upper

82 100

95 156.1 5.3 7.9#

138 7.1 13.1 19.7#



#26

2-Nitrophenol

Concen: 6.64 ng

RT: 7.70 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

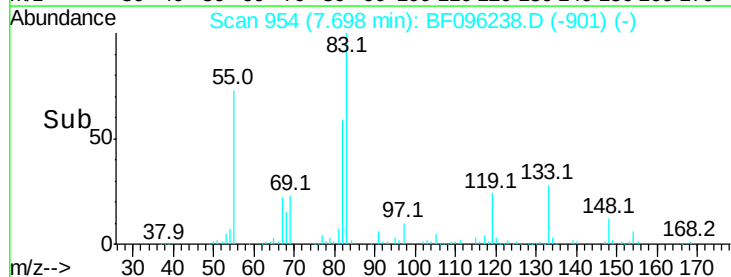
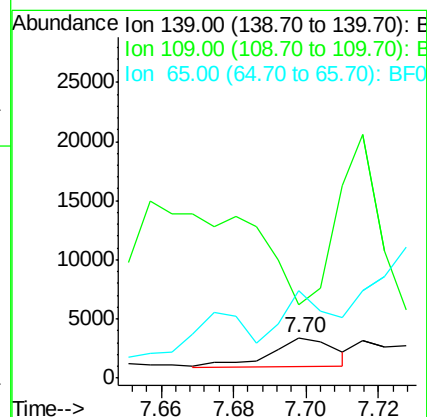
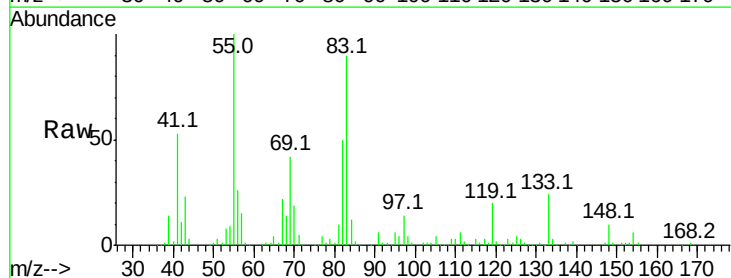
Tgt Ion: 139 Resp: 2994

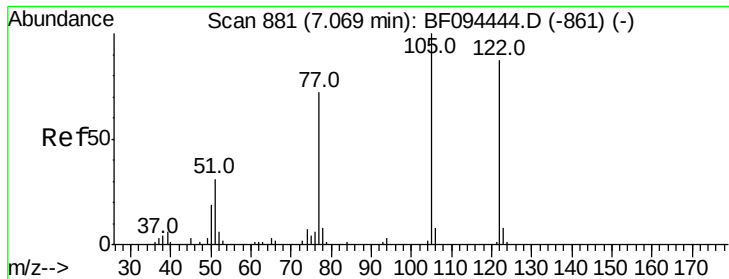
Ion Ratio Lower Upper

139 100

109 181.2 21.0 31.6#

65 217.6 33.0 49.6#





#32

Benzoic acid

Concen: 8.96 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.01 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

Instrument :

BNA_F

ClientSampled :

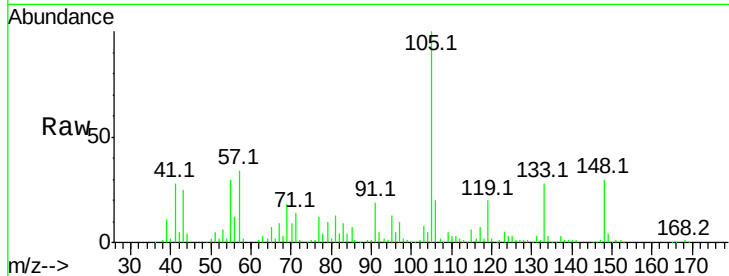
Tot Ion:122 Resp: 1364

Ion Ratio Lower Upper

122 100

105 10147.7 103.3 143.3#

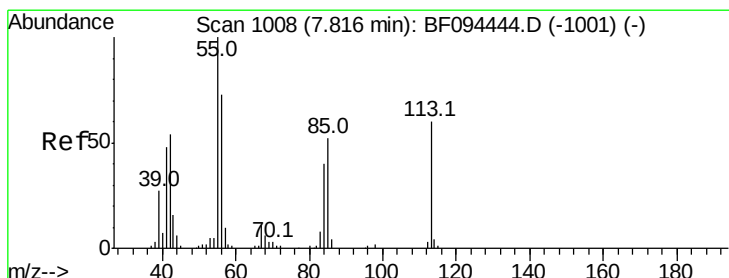
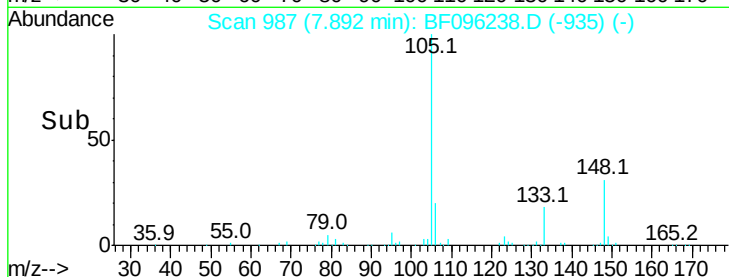
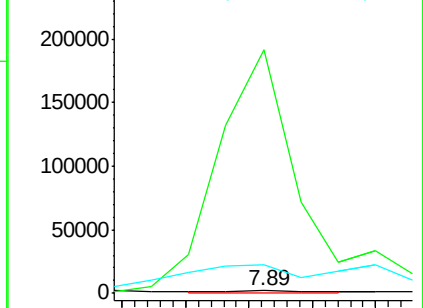
77 1206.6 73.7 113.7#



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



#35

Caprolactam

Concen: 4.70 ng

RT: 8.46 min Scan# 1083

Delta R.T. 0.02 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

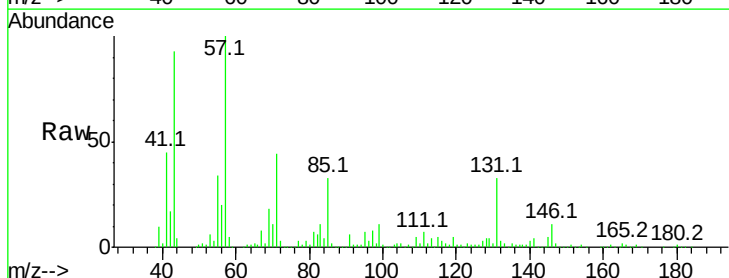
Tgt Ion:113 Resp: 12254

Ion Ratio Lower Upper

113 100

55 876.4 150.2 190.2#

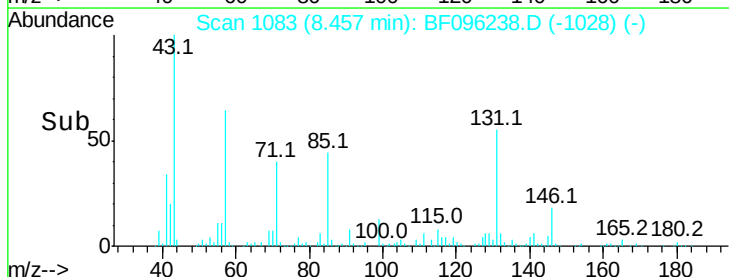
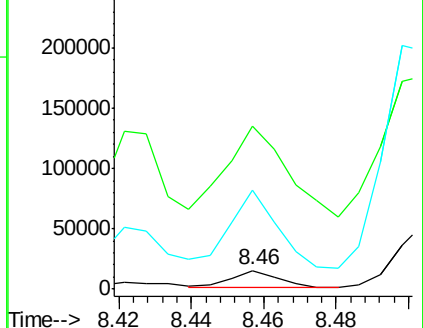
56 532.1 107.8 147.8#

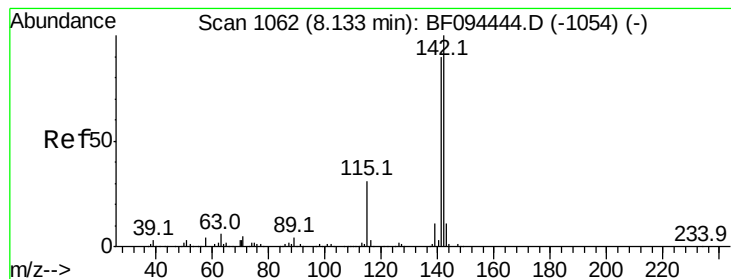


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#37

2-Methylnaphthalene

Concen: 2.29 ng

RT: 8.77 min Scan# 1137

Delta R.T. 0.01 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

Instrument :

BNA_F

ClientSampleId :

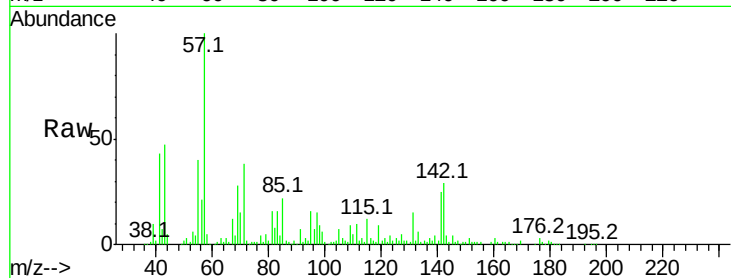
Tot Ion:142 Resp: 42769

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9

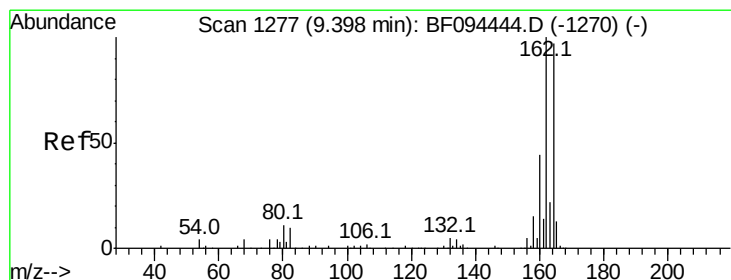
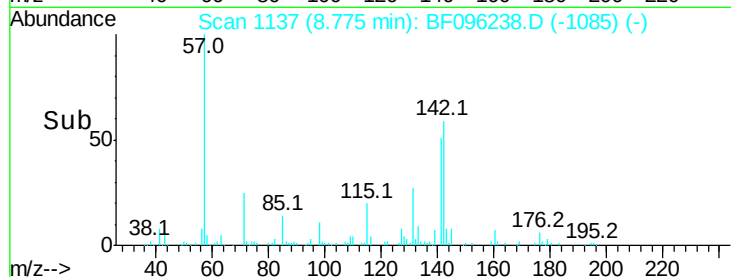
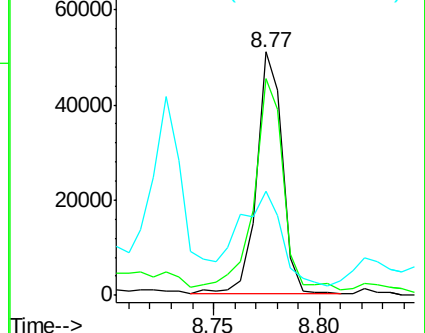
115 42.9 27.1 40.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

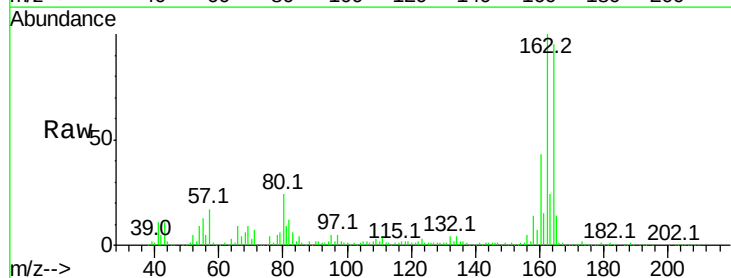
Tgt Ion:164 Resp: 270548

Ion Ratio Lower Upper

164 100

162 105.8 82.6 123.8

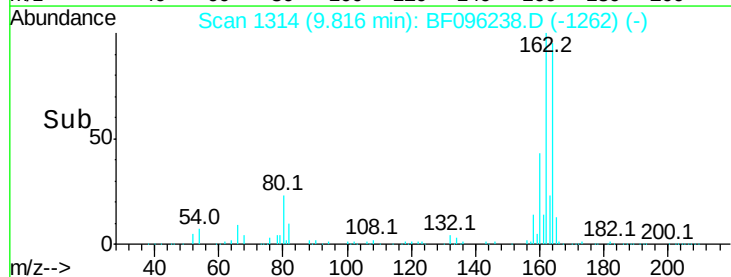
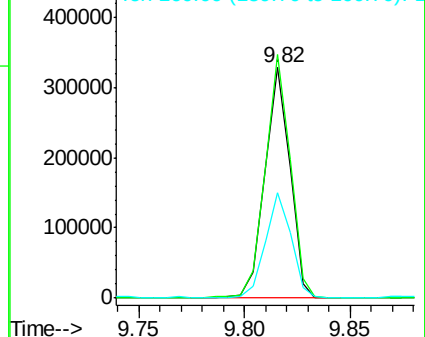
160 45.9 36.2 54.2

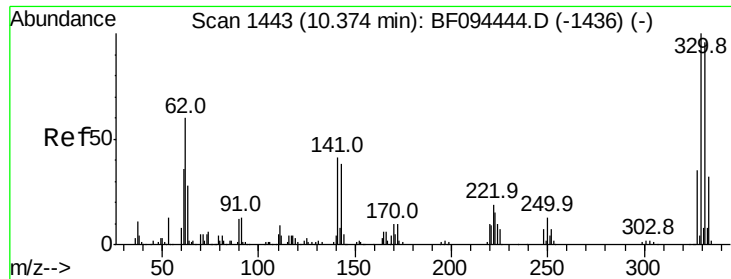


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

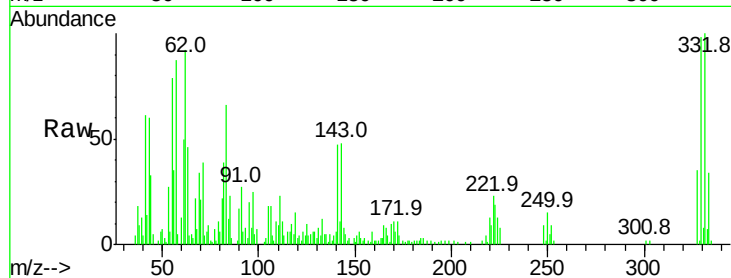




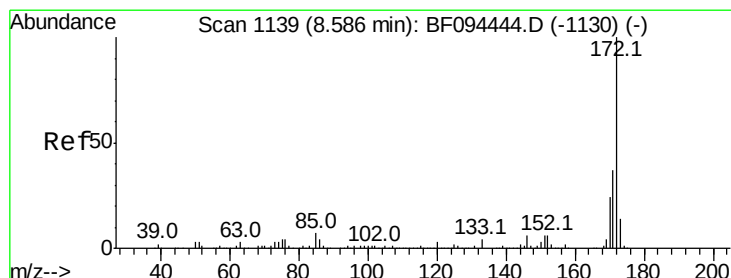
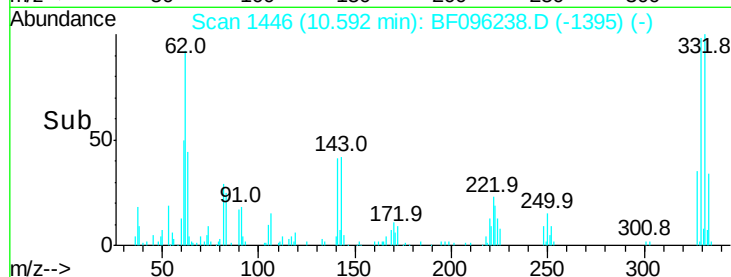
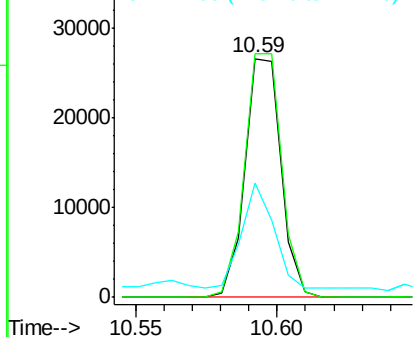
#41
 2,4,6-Tribromophenol
 Concen: 11.04 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096238.D
 Acq: 28 Jun 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 23514
 Ion Ratio Lower Upper
 330 100
 332 104.6 76.6 115.0
 141 39.2 31.4 47.2

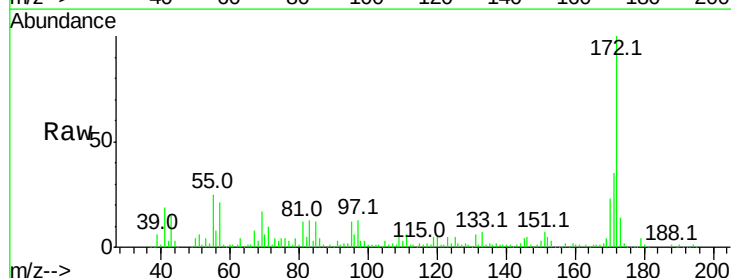


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

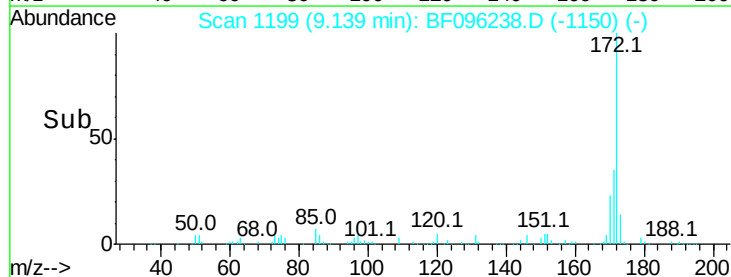
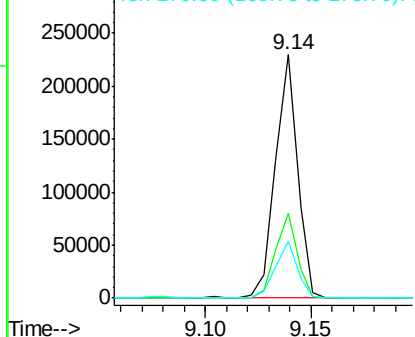


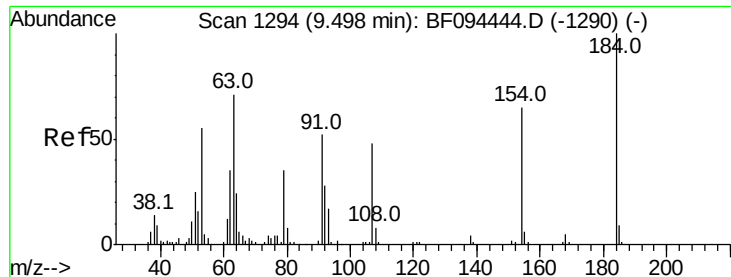
#44
 2-Fluorobiphenyl
 Concen: 11.42 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096238.D
 Acq: 28 Jun 2017 1:25

Tgt Ion:172 Resp: 168707
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.6 44.4
 170 23.4 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

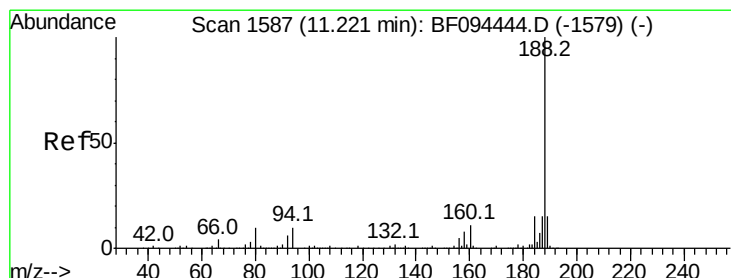
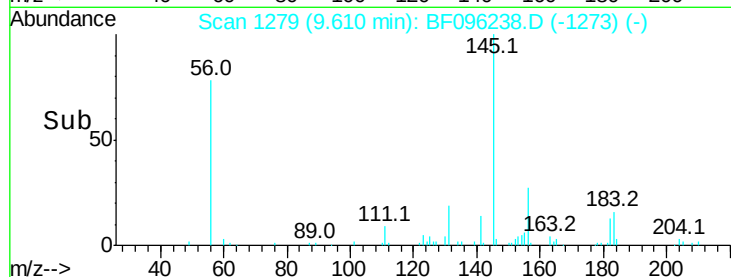
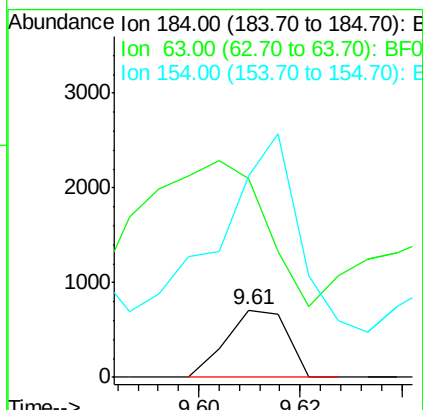
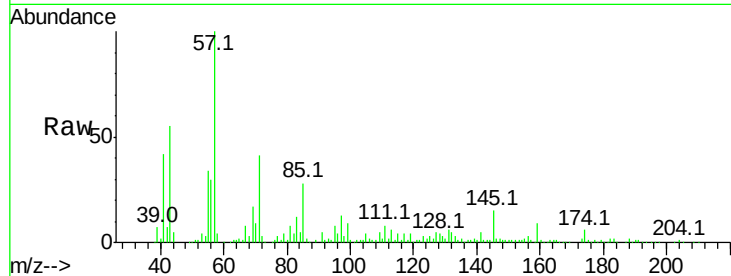




#53
 2,4-Dinitrophenol
 Concen: 8.00 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.26 min
 Lab File: BF096238.D
 Acq: 28 Jun 2017 1:25

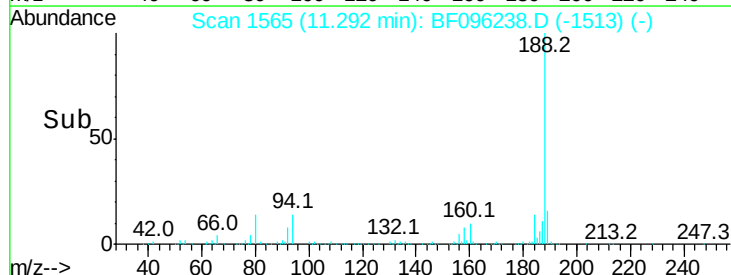
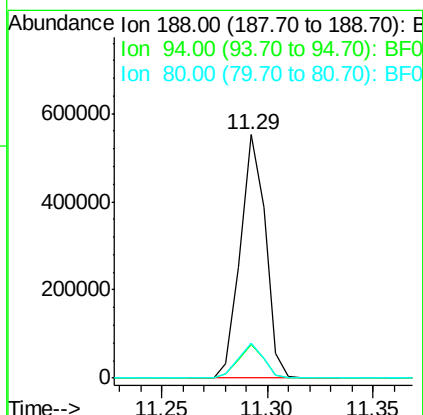
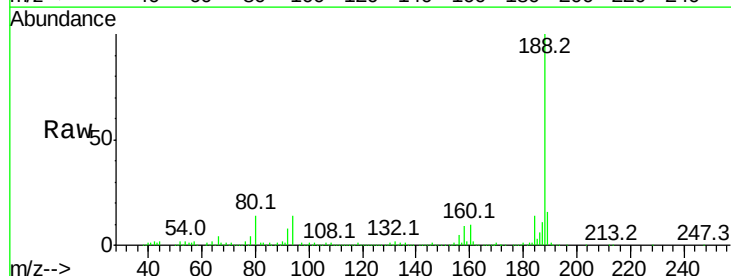
Instrument :
 BNA_F
 ClientSampleId :

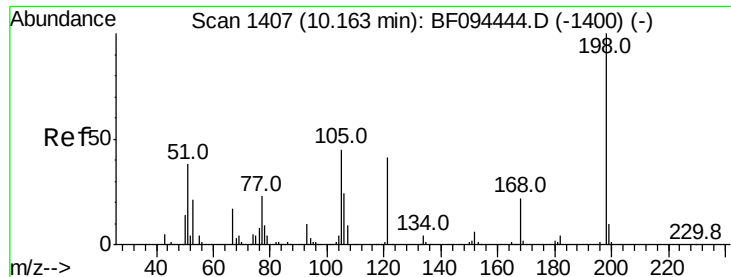
Tot Ion:184 Resp: 595
 Ion Ratio Lower Upper
 184 100
 63 296.9 62.7 94.1#
 154 299.4 81.1 121.7#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF096238.D
 Acq: 28 Jun 2017 1:25

Tgt Ion:188 Resp: 453901
 Ion Ratio Lower Upper
 188 100
 94 13.8 9.4 14.2
 80 14.3 10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.84 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.23 min

Lab File: BF096238.D

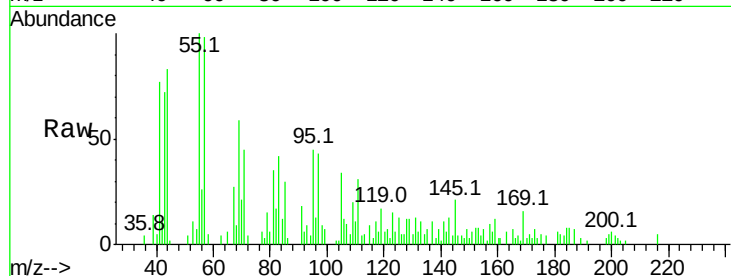
Acq: 28 Jun 2017 1:25

Instrument :

BNA_F

ClientSampled :

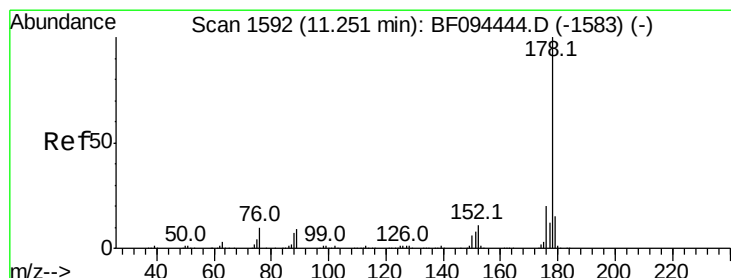
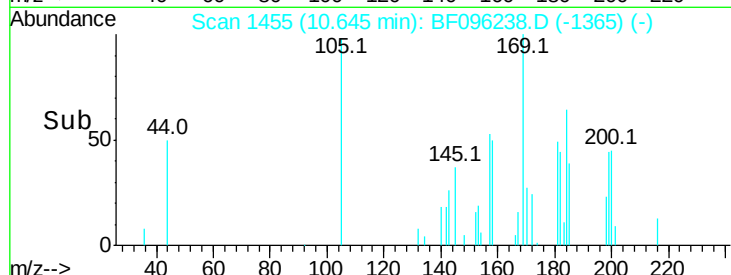
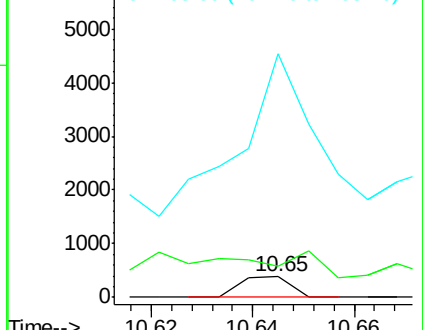
Tot Ion	198	Resp	258
Ion	Ratio	Lower	Upper
198	100		
51	153.7	53.2	93.2#
105	1200.0	45.8	85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: Below Cal

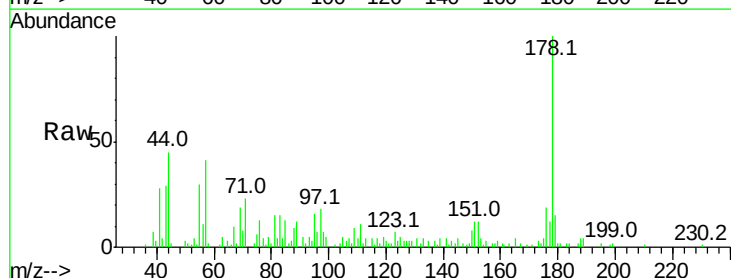
RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

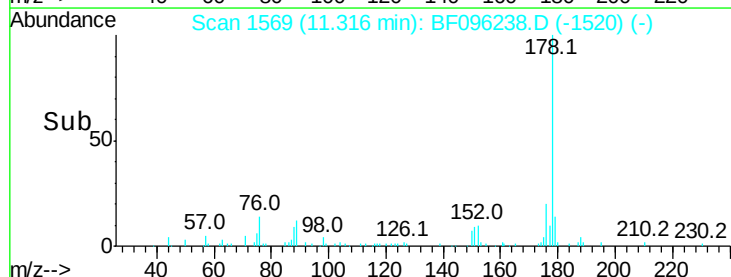
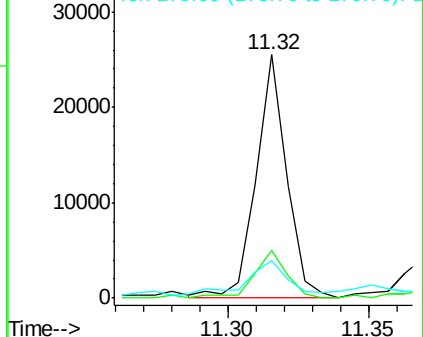
Tgt Ion	178	Resp	19082
Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.5	12.6	19.0

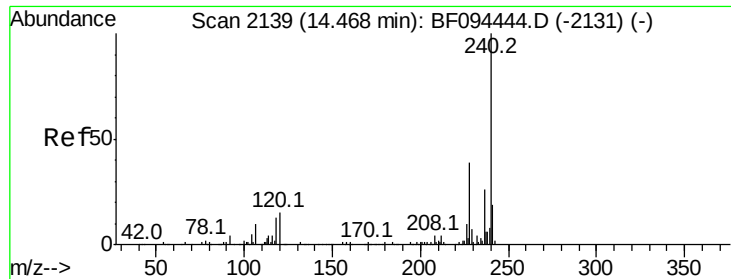


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

Instrument :

BNA_F

ClientSampleId :

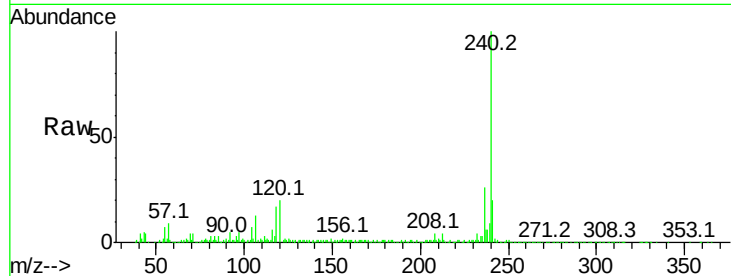
Tot Ion:240 Resp: 356579

Ion Ratio Lower Upper

240 100

120 20.4 5.8 8.8#

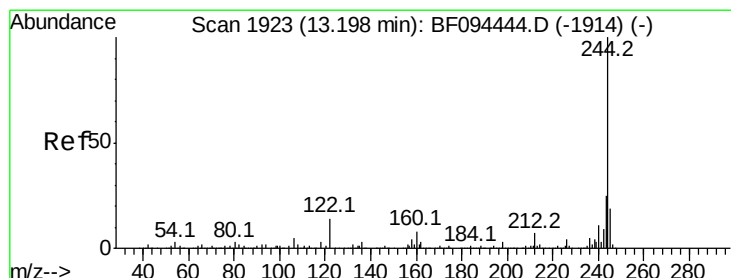
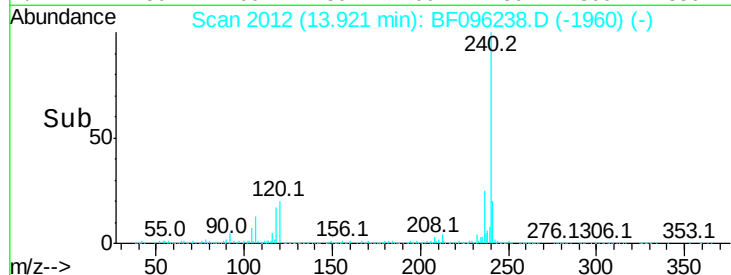
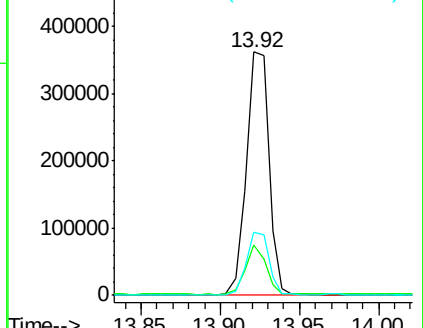
236 25.7 20.5 30.7



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



#78

Terphenyl-d14

Concen: 9.28 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096238.D

Acq: 28 Jun 2017 1:25

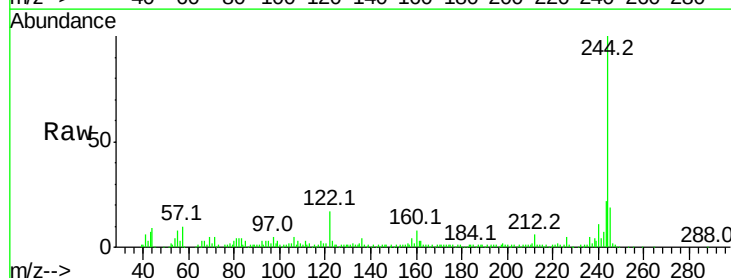
Tgt Ion:244 Resp: 132557

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

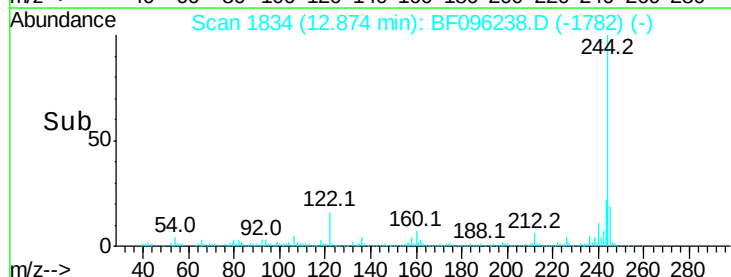
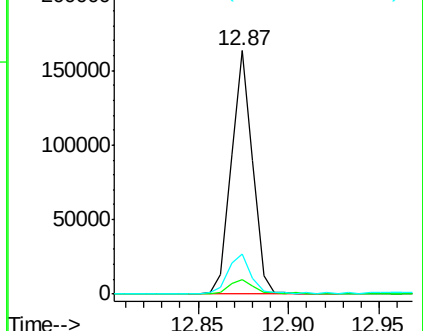
122 16.6 10.3 15.5#

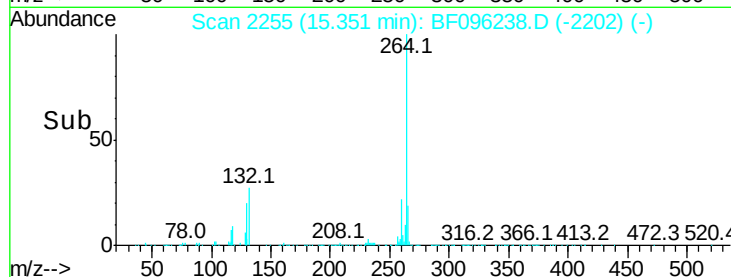
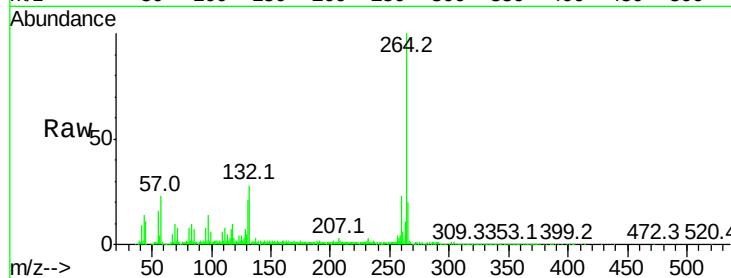
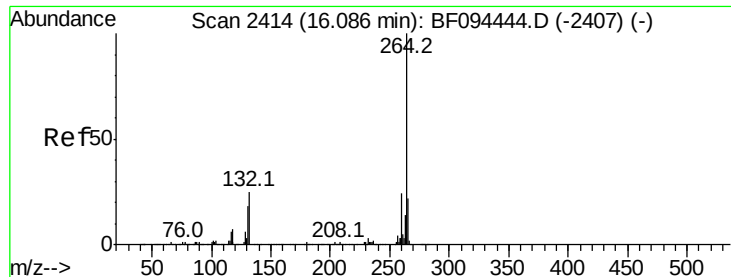


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.35 min Scan# 2255
 Delta R.T. 0.01 min
 Lab File: BF096238.D
 Acq: 28 Jun 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	20.1	17.2	25.8

