

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096258.D
 Acq On : 28 Jun 2017 19:19
 Operator : SJ/MA
 Sample : I3852-11 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:36:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

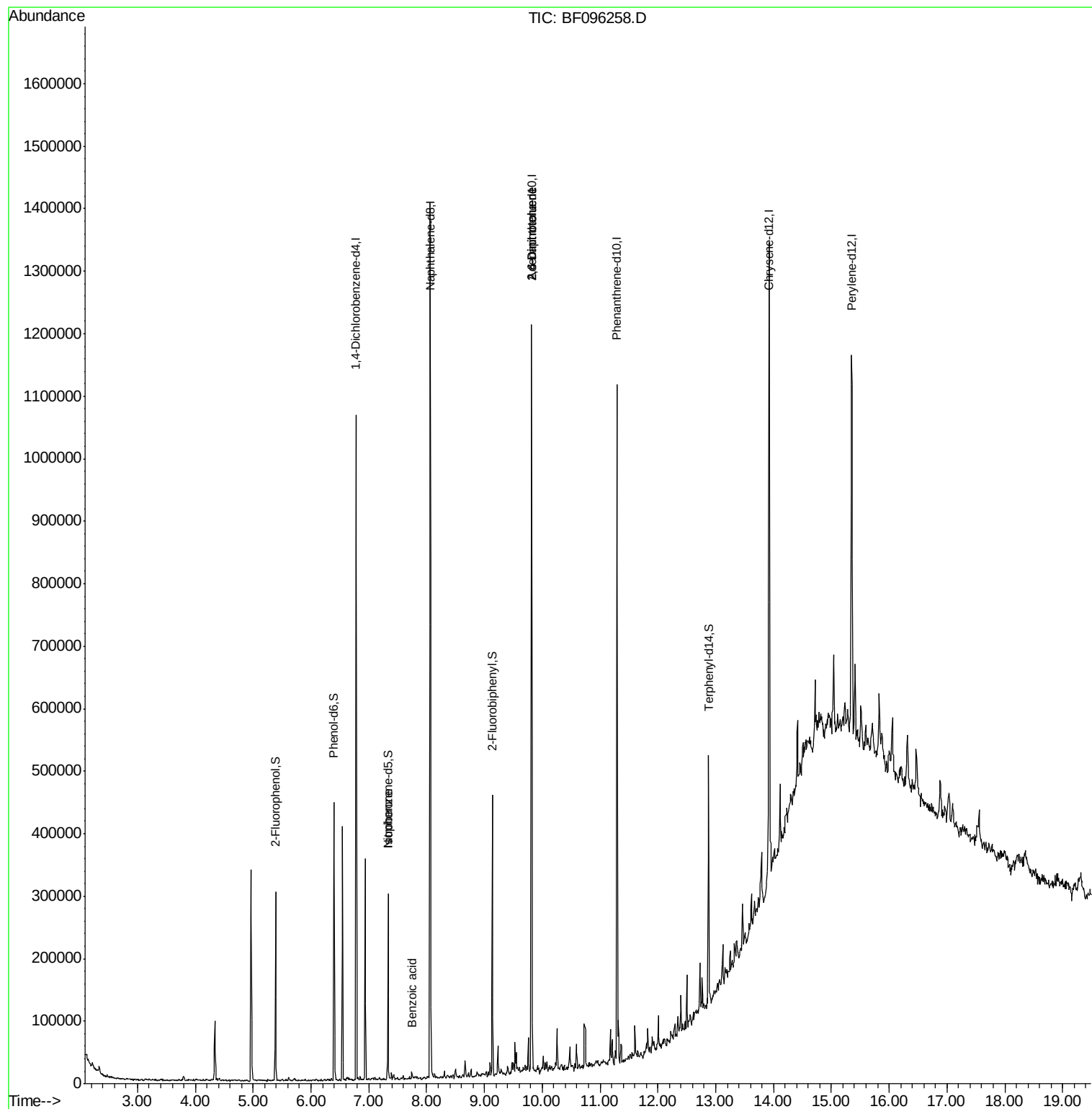
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	145897	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	560332	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	215200	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	347335	20.00	ng	0.00
75) Chrysene-d12	13.93	240	361835	20.00	ng	0.01
86) Perylene-d12	15.35	264	281923	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	74930	7.40	ng	0.00
7) Phenol-d6	6.40	99	132725	10.82	ng	0.00
23) Nitrobenzene-d5	7.33	82	71132	8.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	2698	1.59	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	133359	11.35	ng	-0.01
78) Terphenyl-d14	12.87	244	107845	7.44	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	340	Below Cal	#	73
25) Isophorone	7.33	82	71132	3.87	ng	# 67
32) Benzoic acid	7.75	122	2873	9.19	ng	# 76
50) 2,6-Dinitrotoluene	9.82	165	28133	8.78	ng	# 33
56) 2,4-Dinitrotoluene	9.82	165	28133	6.97	ng	# 33
57) Fluorene	10.36	166	903	Below Cal	#	72
70) Phenanthrene	11.32	178	19688	Below Cal		98

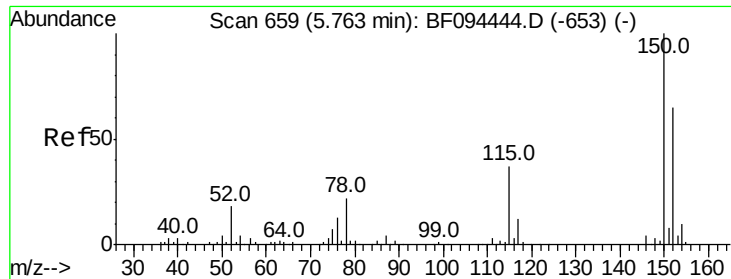
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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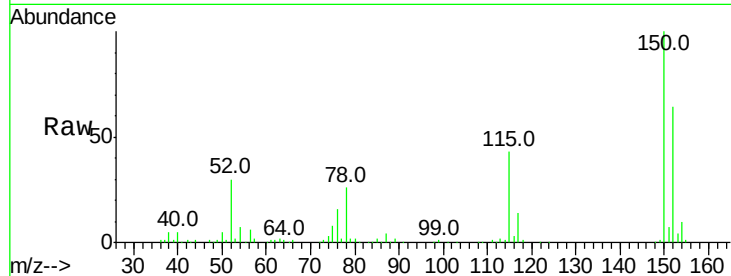


#1

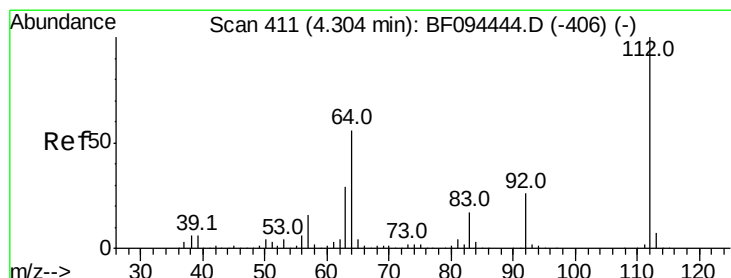
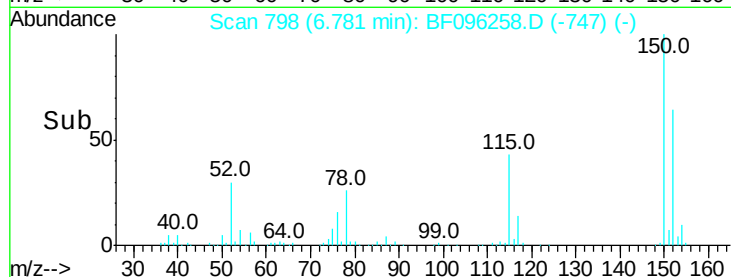
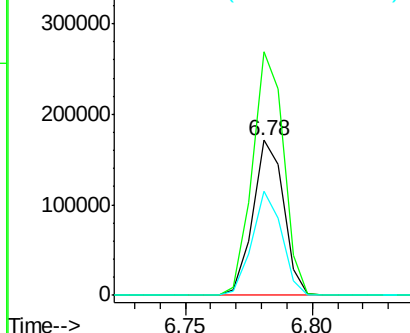
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096258.D
Acq: 28 Jun 2017 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145897
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 67.1 52.2 78.2



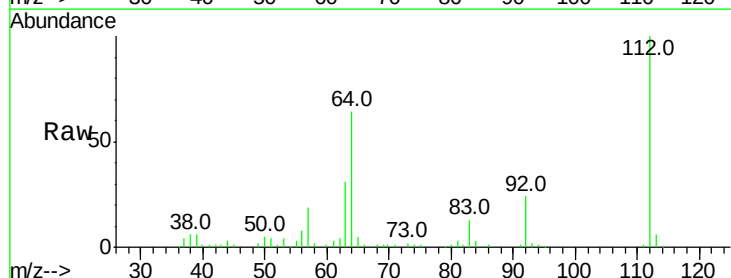
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



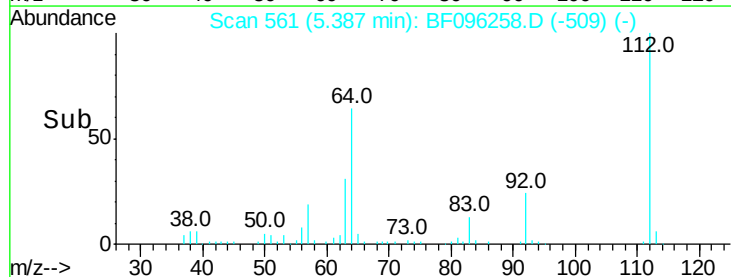
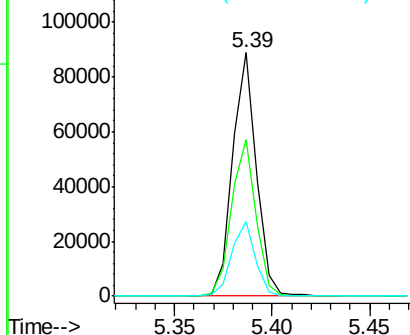
#5

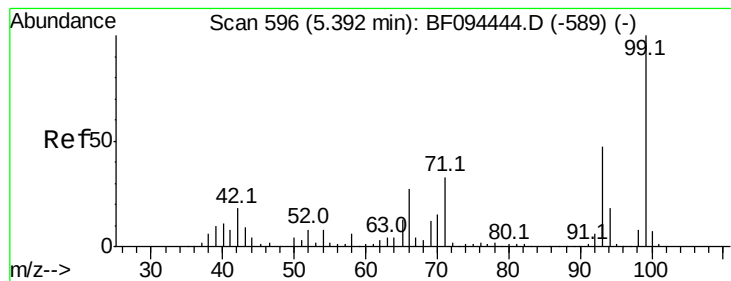
2-Fluorophenol
Concen: 7.40 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096258.D
Acq: 28 Jun 2017 19:19

Tgt Ion:112 Resp: 74930
Ion Ratio Lower Upper
112 100
64 64.4 46.0 69.0
63 30.5 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: 10.82 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

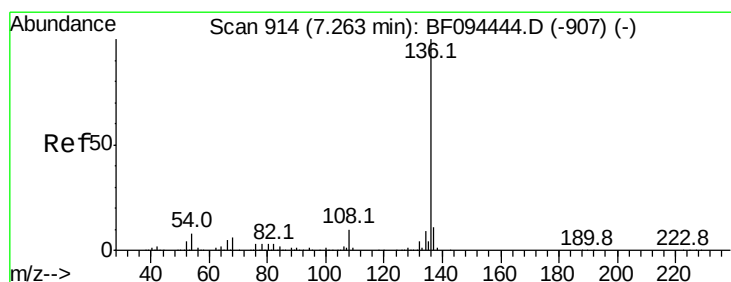
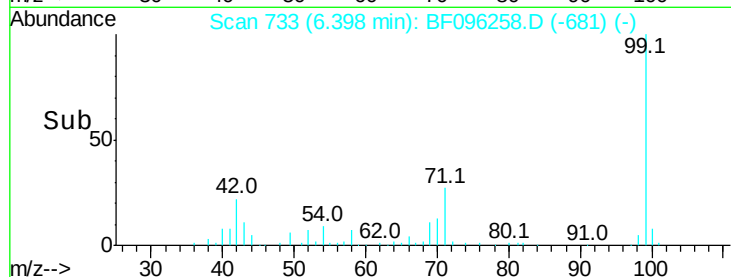
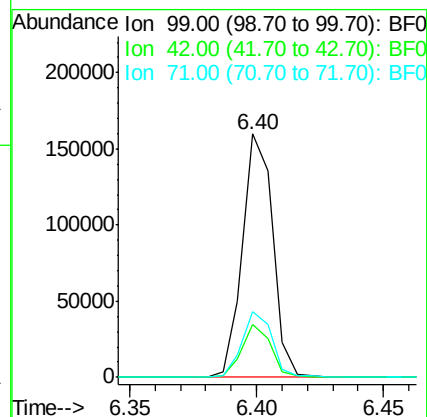
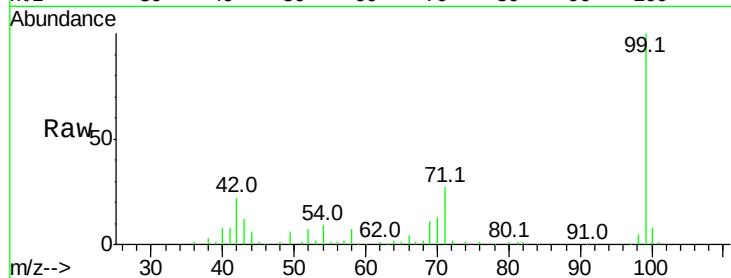
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 132725

Ion	Ratio	Lower	Upper
99	100		
42	21.7	13.5	20.3#
71	27.2	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

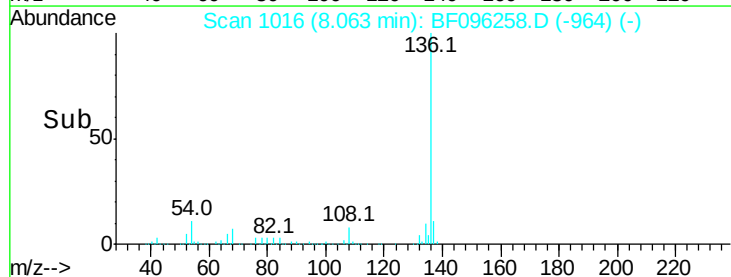
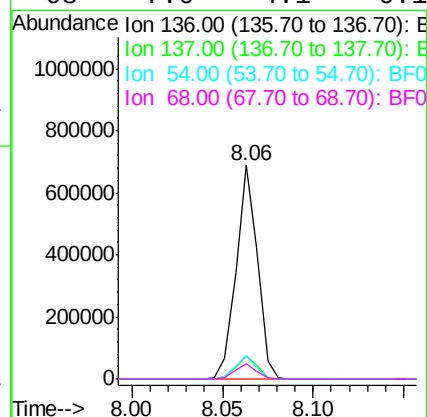
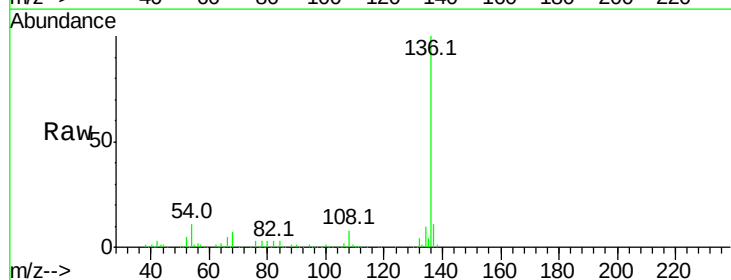
Delta R.T. 0.01 min

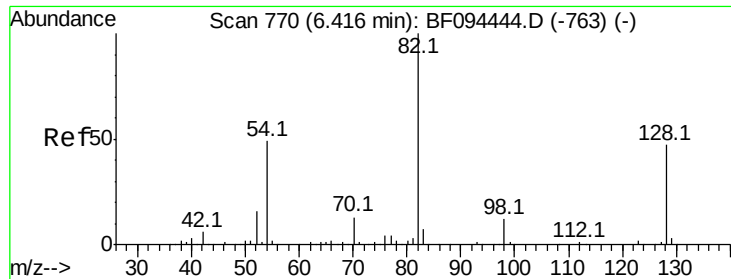
Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

Tgt Ion: 136 Resp: 560332

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.8	4.9	7.3#
68	7.0	4.1	6.1#

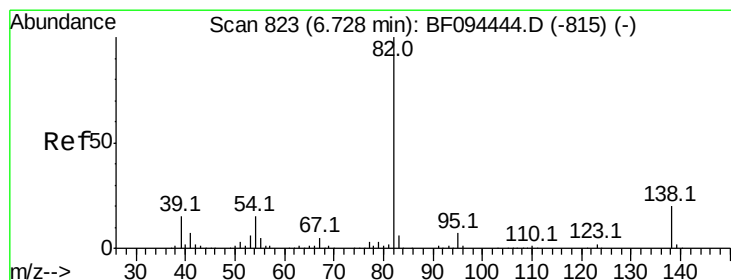
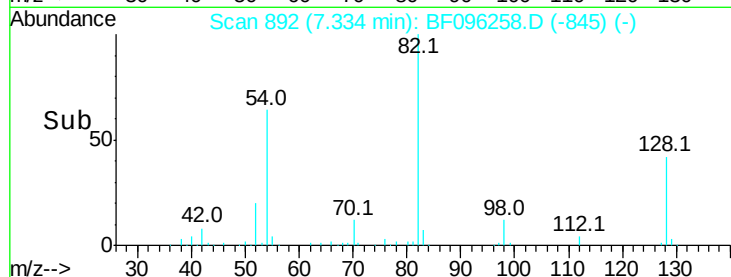
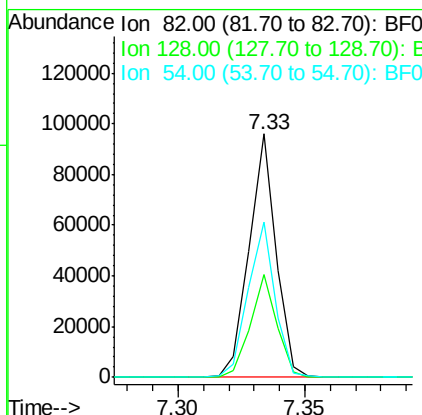
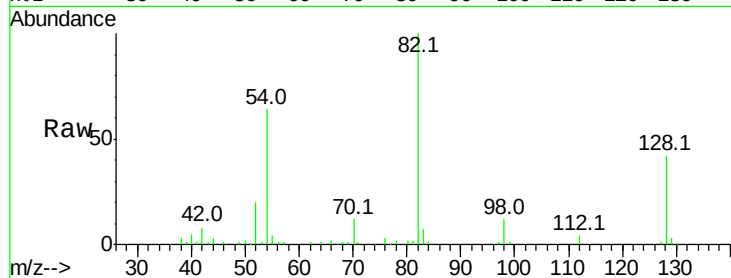




#23
 Nitrobenzene-d5
 Concen: 8.79 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF096258.D
 Acq: 28 Jun 2017 19:19

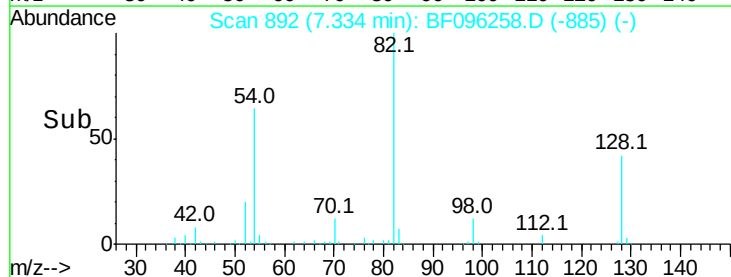
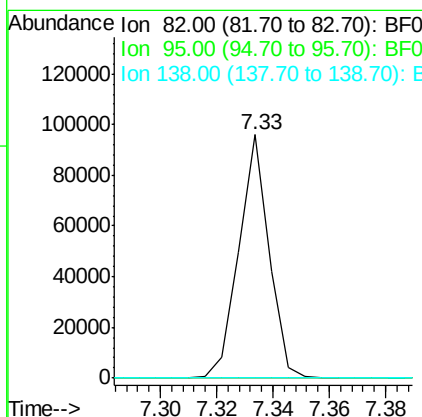
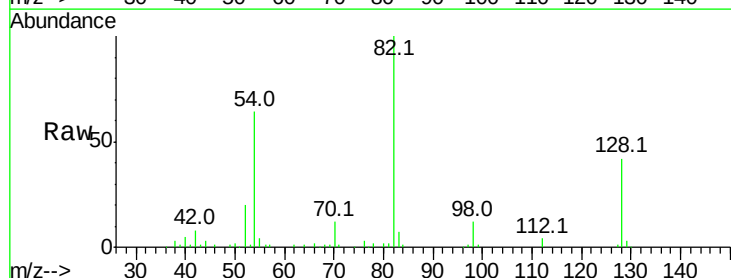
Instrument :
 BNA_F
 ClientSampleId :

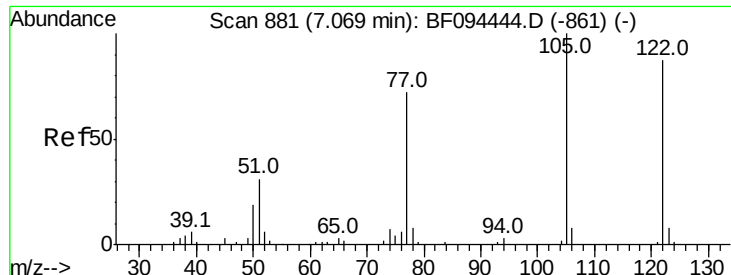
Tot Ion	82	Resp	71132
Ion Ratio	100	Lower	Upper
128	42.3	34.0	51.0
54	63.7	42.2	63.2#



#25
 Isophorone
 Concen: 3.87 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.26 min
 Lab File: BF096258.D
 Acq: 28 Jun 2017 19:19

Tgt Ion	82	Resp	71132
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#32

Benzoic acid

Concen: 9.19 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.14 min

Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

Instrument :

BNA_F

ClientSampled :

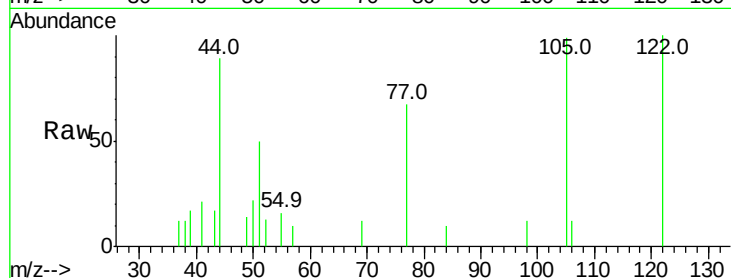
Tot Ion:122 Resp: 2873

Ion Ratio Lower Upper

122 100

105 98.9 103.3 143.3#

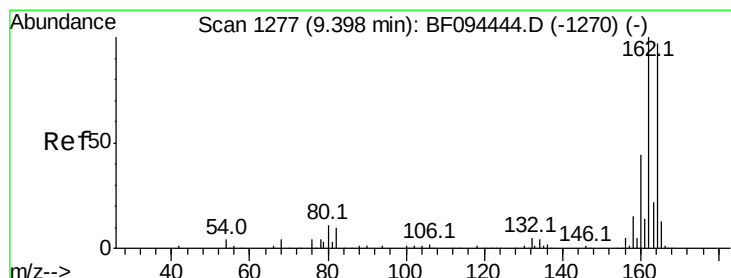
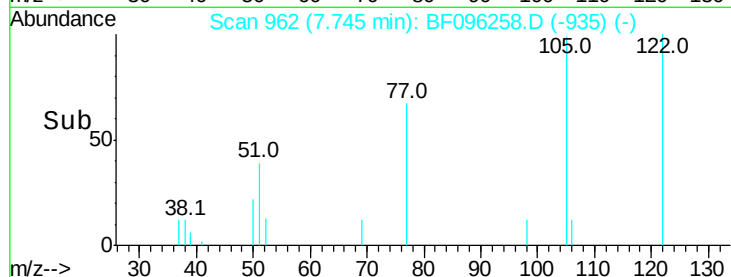
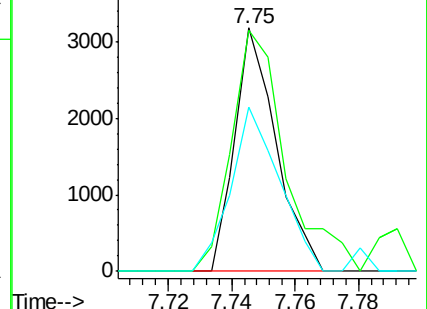
77 67.4 73.7 113.7#



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: BF096258.D

Acq: 28 Jun 2017 19:19

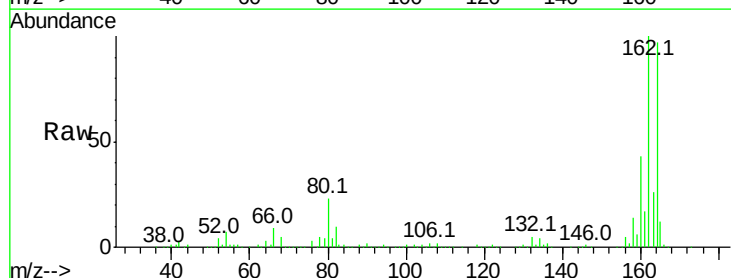
Tgt Ion:164 Resp: 215200

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

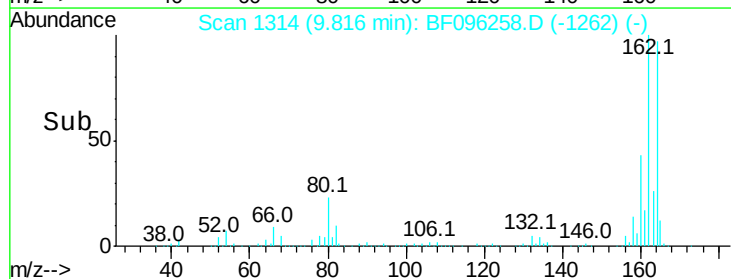
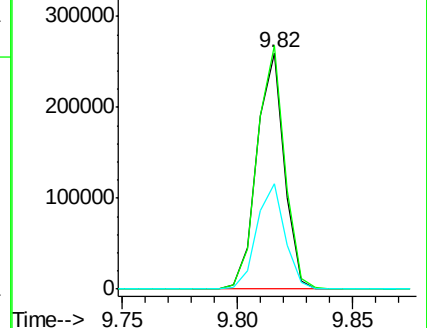
160 44.3 36.2 54.2

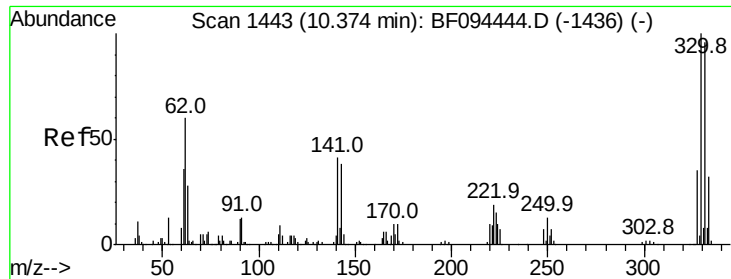


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

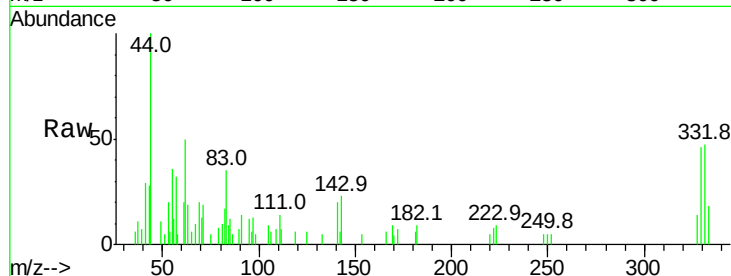




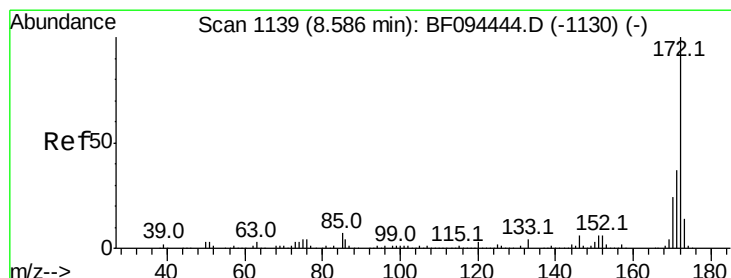
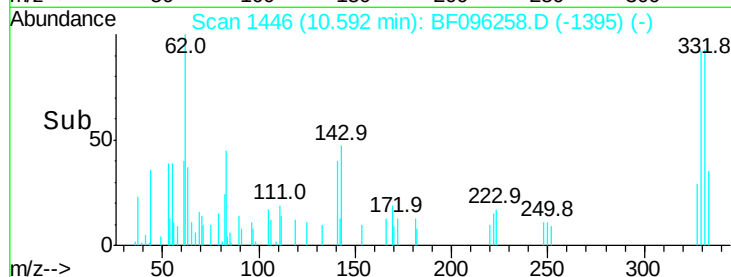
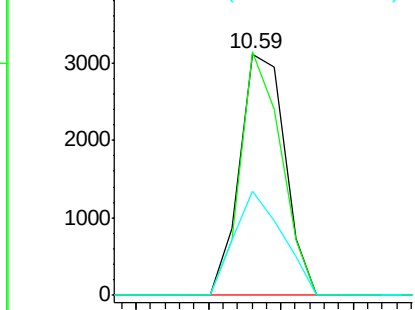
#41
 2,4,6-Tribromophenol
 Concen: 1.59 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096258.D
 Acq: 28 Jun 2017 19:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.1	76.6	115.0
141	46.3	31.4	47.2

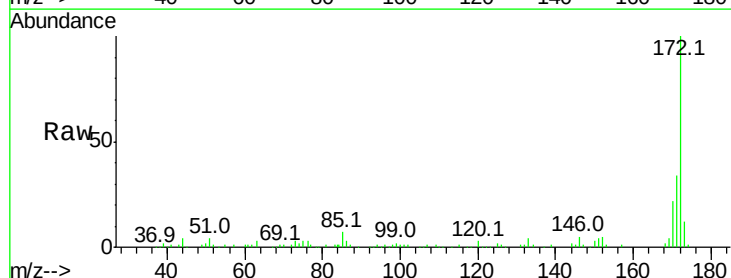


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

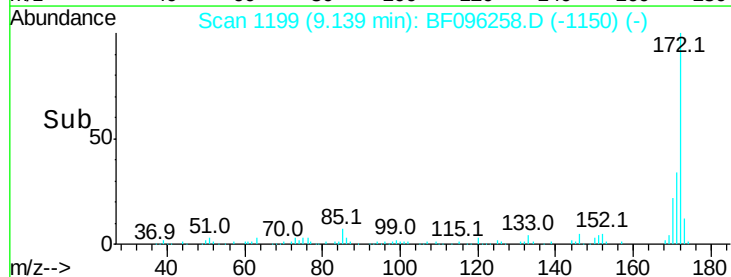
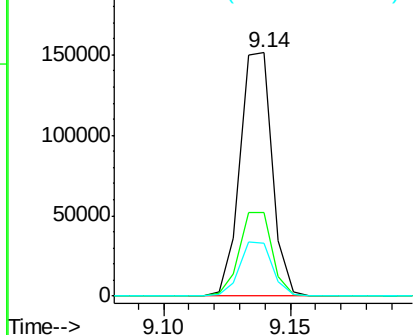


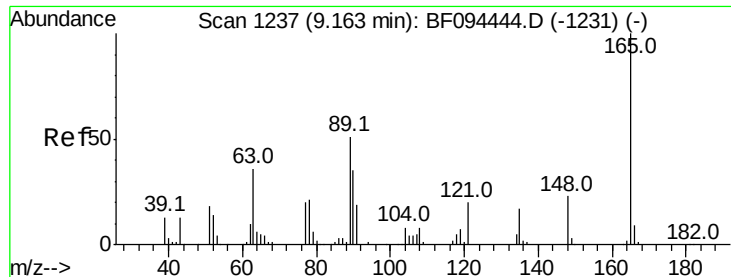
#44
 2-Fluorobiphenyl
 Concen: 11.35 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096258.D
 Acq: 28 Jun 2017 19:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.6	44.4
170	21.9	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: 8.78 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.21 min

Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

Instrument :

BNA_F

ClientSampleId :

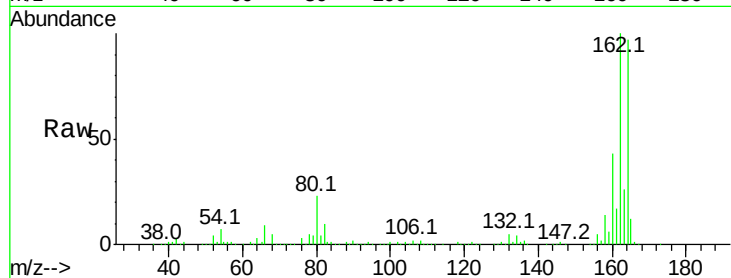
Tot Ion:165 Resp: 28133

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

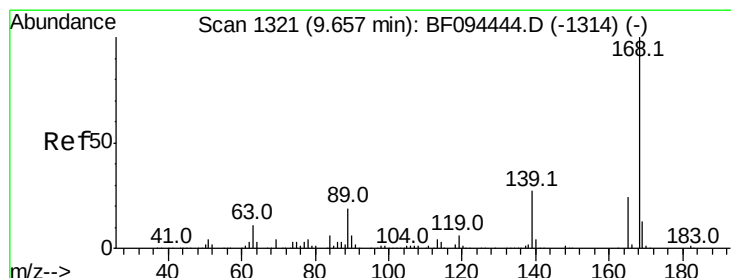
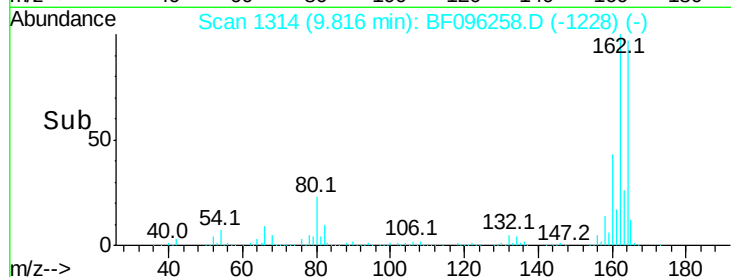
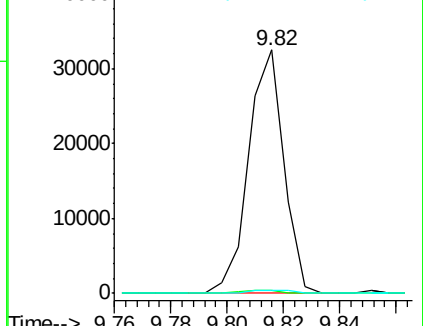
89 1.4 37.1 55.7#



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: 6.97 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

Tgt Ion:165 Resp: 28133

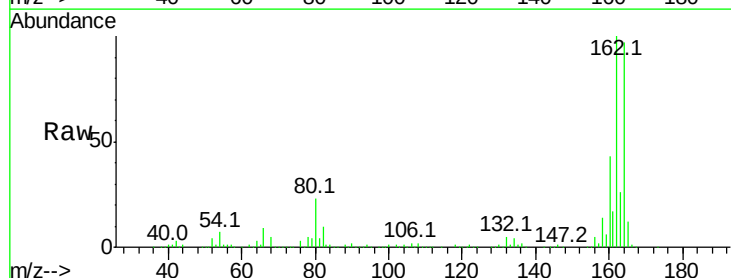
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

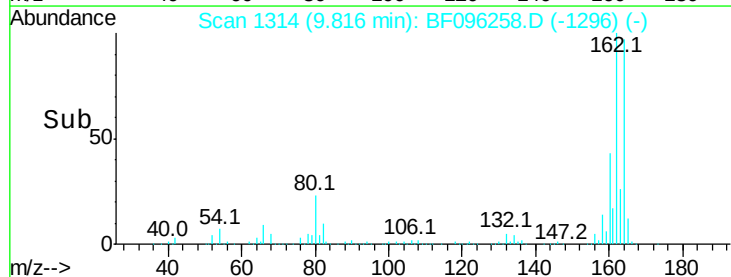
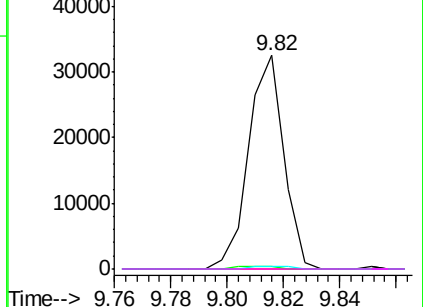


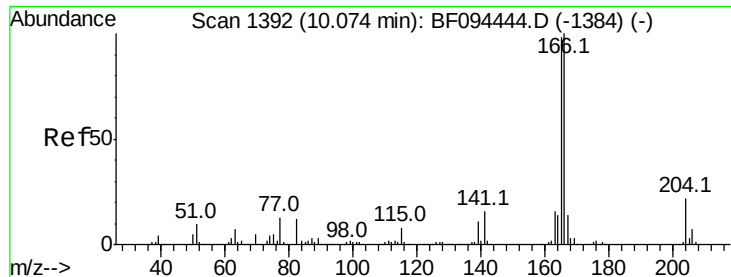
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

Instrument :

BNA_F

ClientSampled :

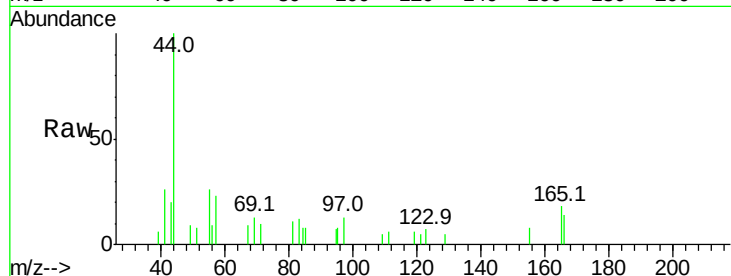
Tot Ion:166 Resp: 903

Ion Ratio Lower Upper

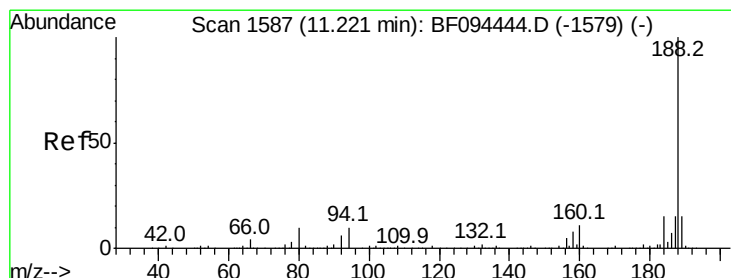
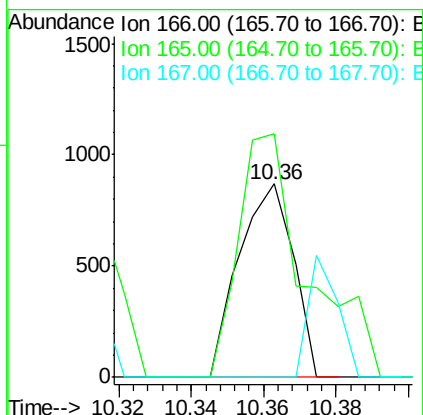
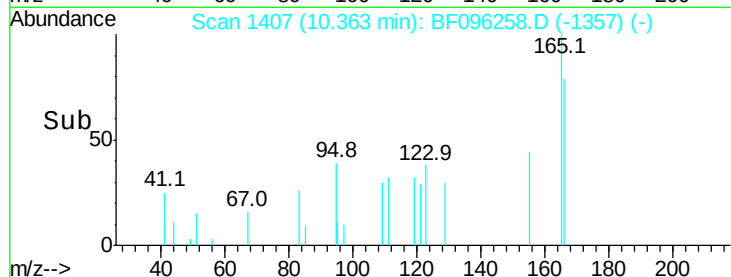
166 100

165 125.9 78.8 118.2#

167 0.0 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# 1565

Delta R.T. 0.01 min

Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

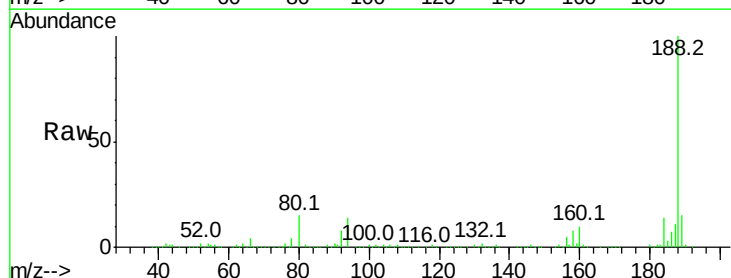
Tgt Ion:188 Resp: 347335

Ion Ratio Lower Upper

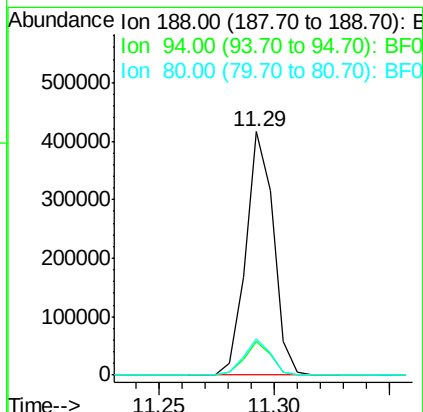
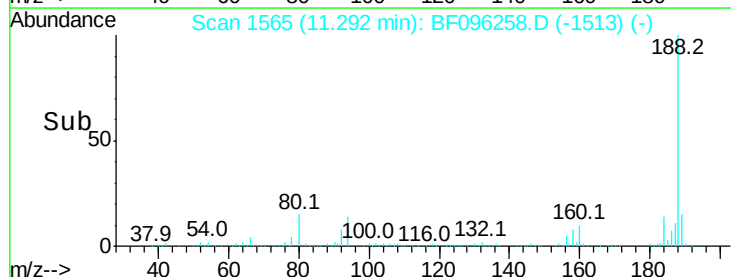
188 100

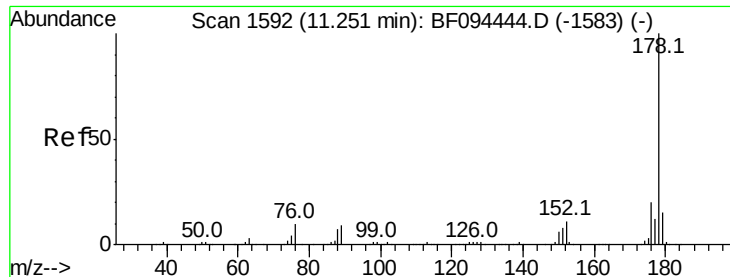
94 13.8 9.4 14.2

80 14.6 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: BF096258.D

Acq: 28 Jun 2017 19:19

Instrument :

BNA_F

ClientSampleId :

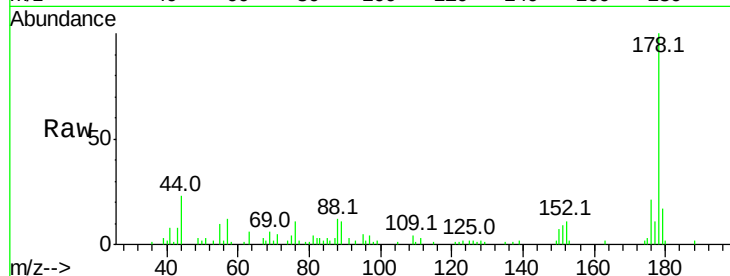
Tot Ion:178 Resp: 19688

Ion Ratio Lower Upper

178 100

176 20.5 16.2 24.4

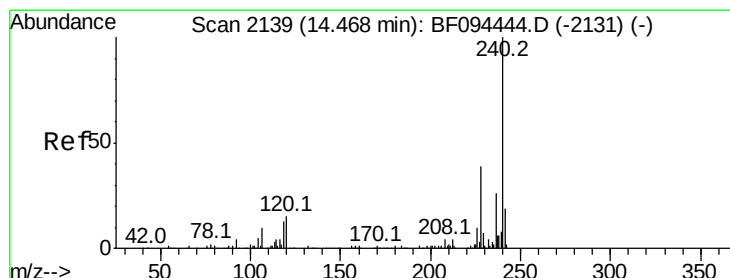
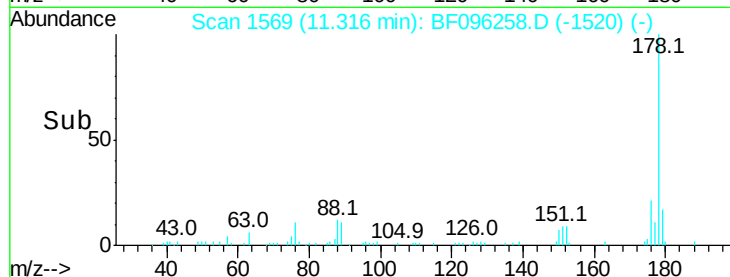
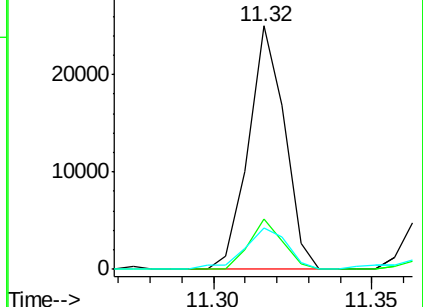
179 17.1 12.6 19.0



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: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

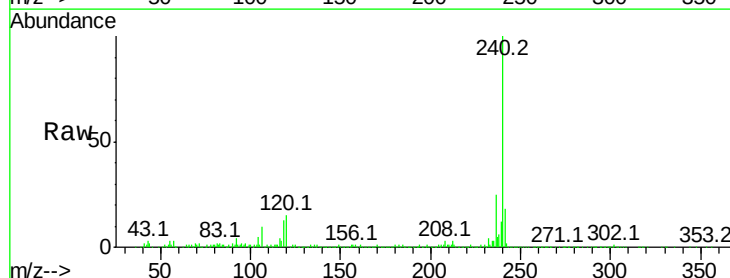
Tgt Ion:240 Resp: 361835

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

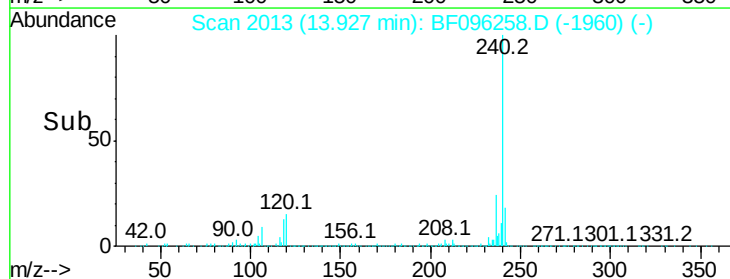
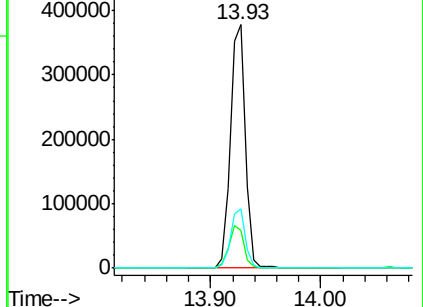
236 24.6 20.5 30.7

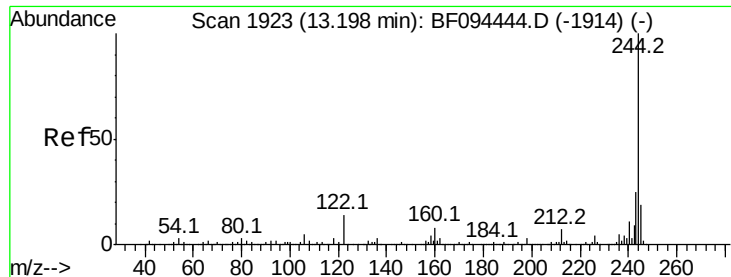


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 7.44 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

Instrument :

BNA_F

ClientSampleId :

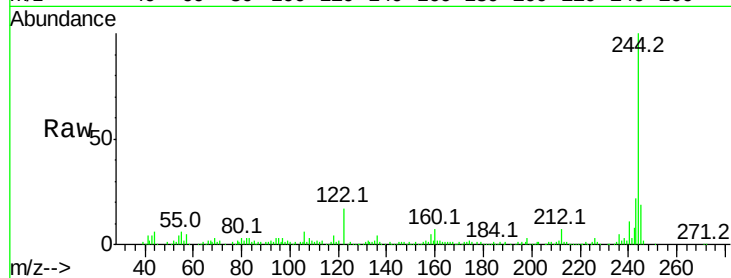
Tot Ion:244 Resp: 107845

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

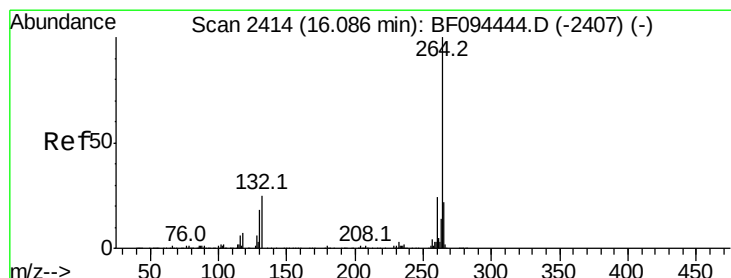
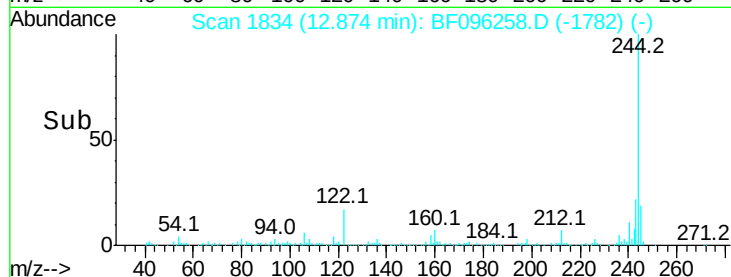
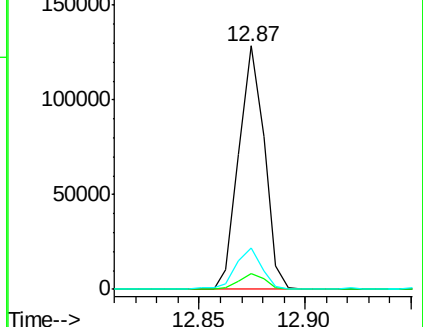
122 16.8 10.3 15.5#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.01 min

Lab File: BF096258.D

Acq: 28 Jun 2017 19:19

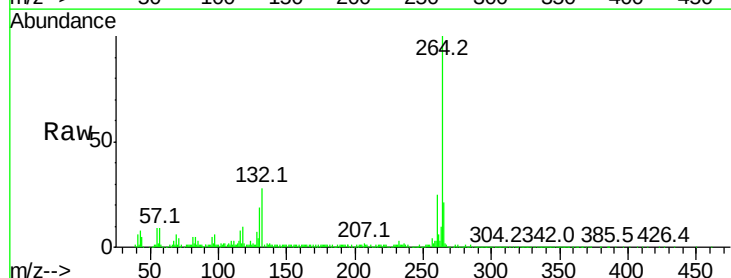
Tgt Ion:264 Resp: 281923

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 21.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

