

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096255.D
 Acq On : 28 Jun 2017 17:56
 Operator : SJ/MA
 Sample : I3852-07 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:35:32 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

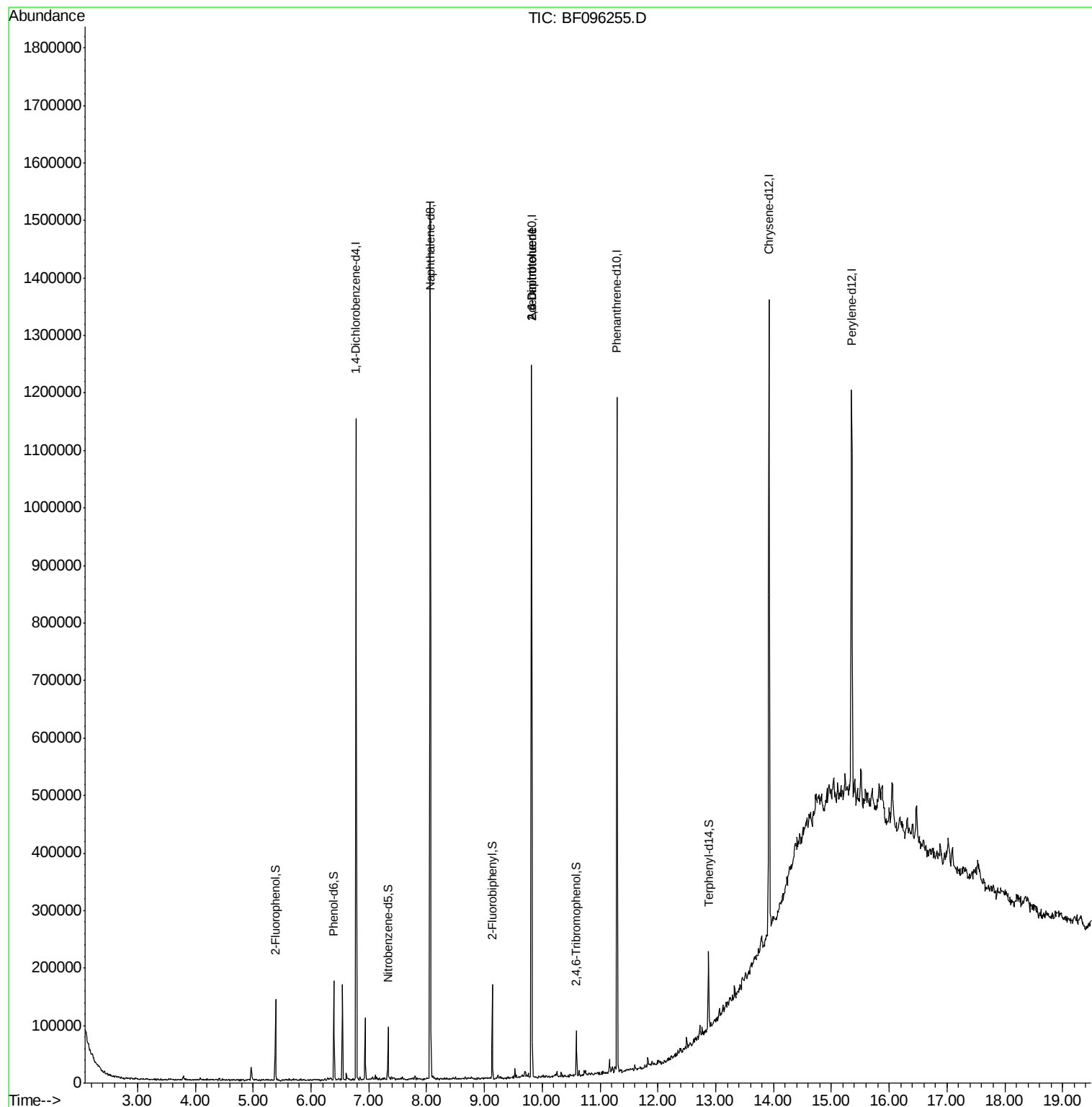
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	151270	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	588260	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	231682	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	364779	20.00	ng	0.00
75) Chrysene-d12	13.92	240	355695	20.00	ng	0.00
86) Perylene-d12	15.35	264	310146	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	39251	3.74	ng	0.00
7) Phenol-d6	6.40	99	46485	3.66	ng	0.00
23) Nitrobenzene-d5	7.33	82	22257	2.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	7554	4.14	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	44383	3.51	ng	-0.02
78) Terphenyl-d14	12.87	244	33639	2.36	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	401	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.82	165	28490	8.26	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	28490	6.55	ng	# 34
57) Fluorene	10.36	166	180	Below Cal	#	76
70) Phenanthrene	11.32	178	2849	Below Cal	#	91

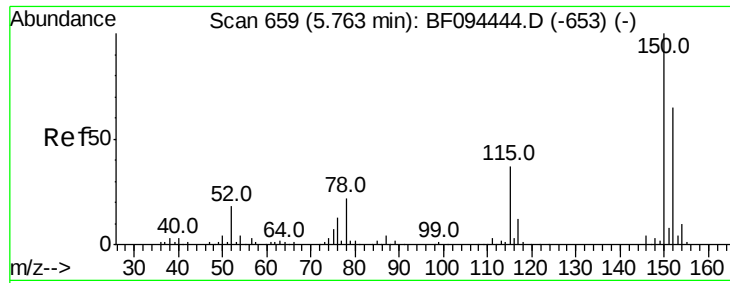
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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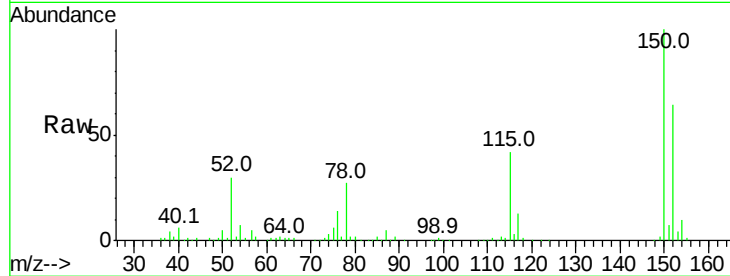


#1

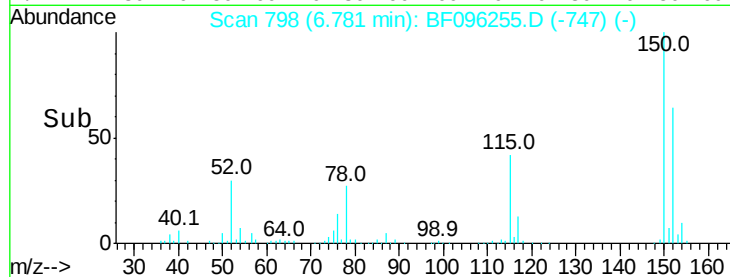
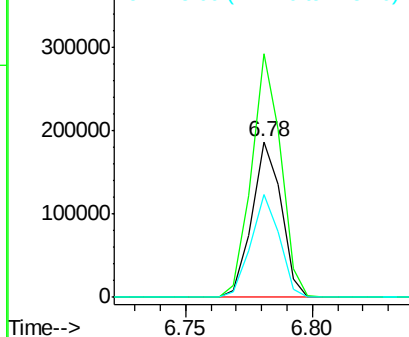
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096255.D
Acq: 28 Jun 2017 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151270
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 65.9 52.2 78.2



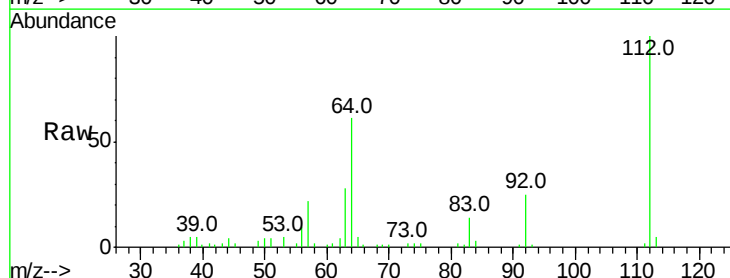
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



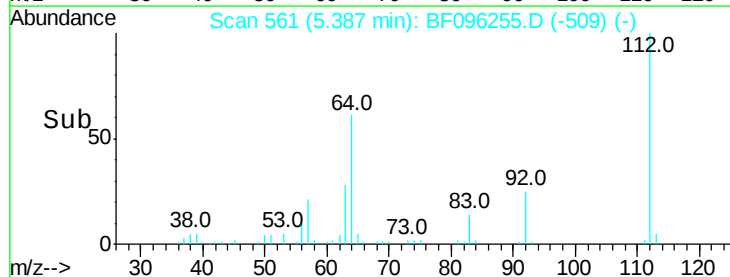
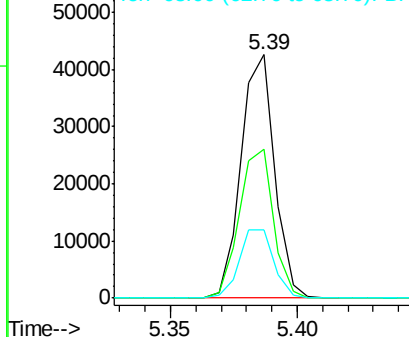
#5

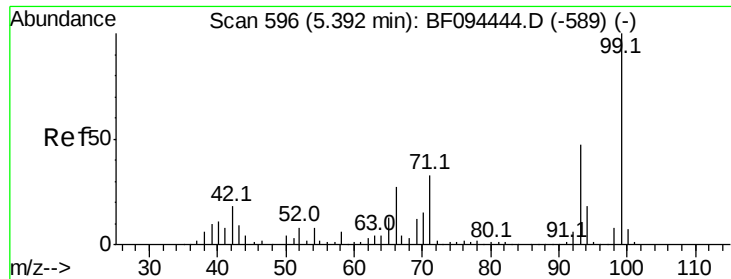
2-Fluorophenol
Concen: 3.74 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096255.D
Acq: 28 Jun 2017 17:56

Tgt Ion:112 Resp: 39251
Ion Ratio Lower Upper
112 100
64 61.1 46.0 69.0
63 28.0 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: 3.66 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096255.D

Acq: 28 Jun 2017 17:56

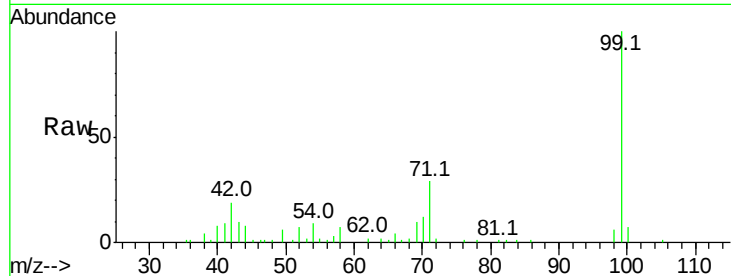
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 46485

Ion	Ratio	Lower	Upper
99	100		
42	19.4	13.5	20.3
71	28.8	24.5	36.7

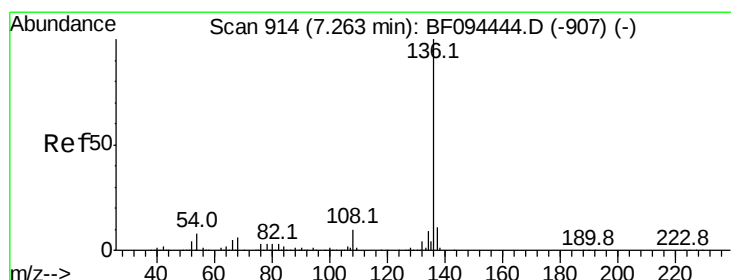
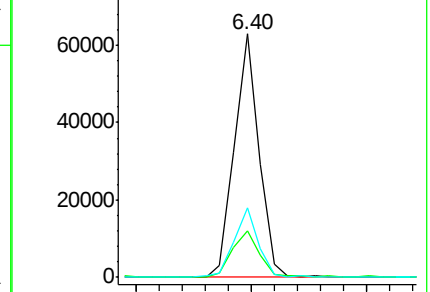
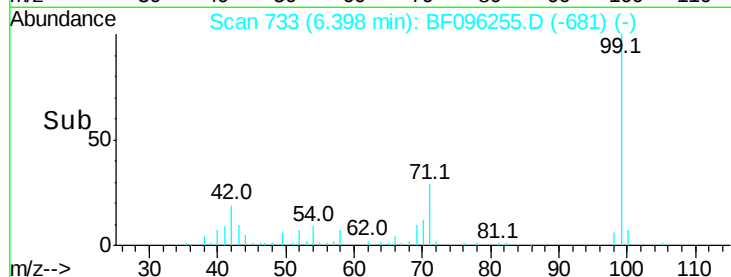


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

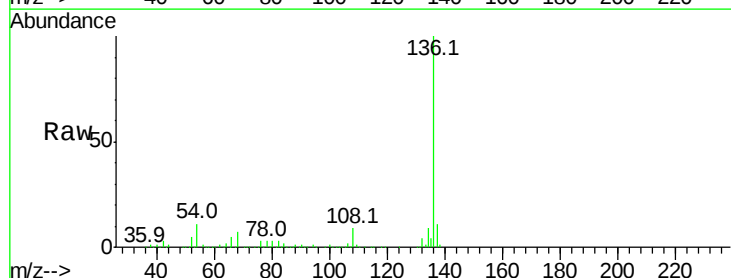
Delta R.T. 0.01 min

Lab File: BF096255.D

Acq: 28 Jun 2017 17:56

Tgt Ion: 136 Resp: 588260

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.1	4.9	7.3#
68	6.7	4.1	6.1#



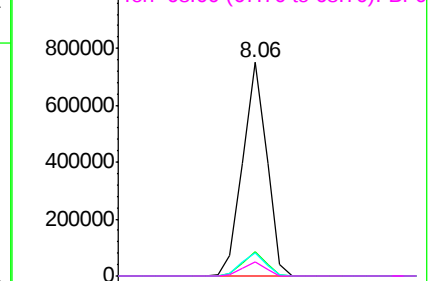
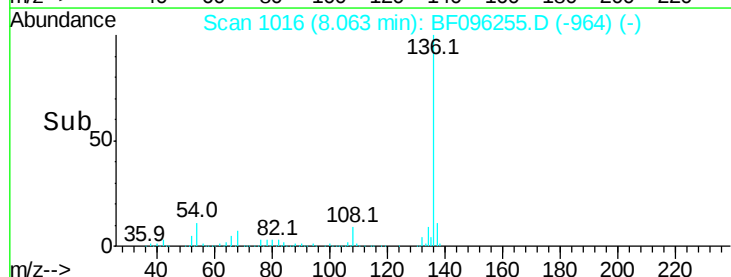
Abundance

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: 2.62 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF096255.D

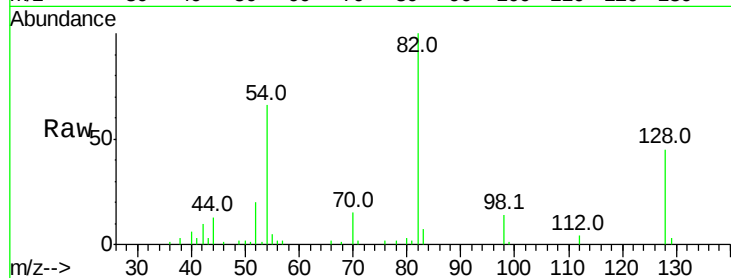
Acq: 28 Jun 2017 17:56

Instrument :

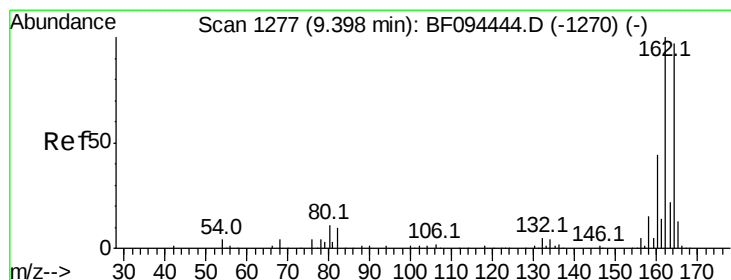
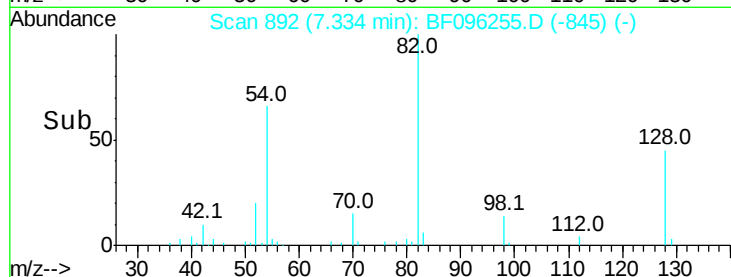
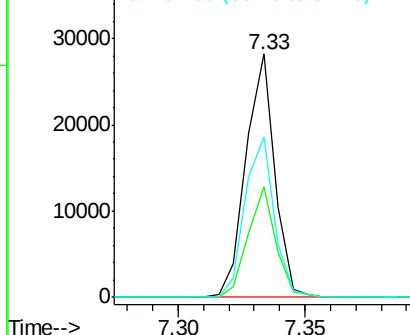
BNA_F

ClientSampled :

Tot Ion:	82	Resp:	22257
Ion Ratio	Lower	Upper	
82	100		
128	45.3	34.0	51.0
54	65.7	42.2	63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

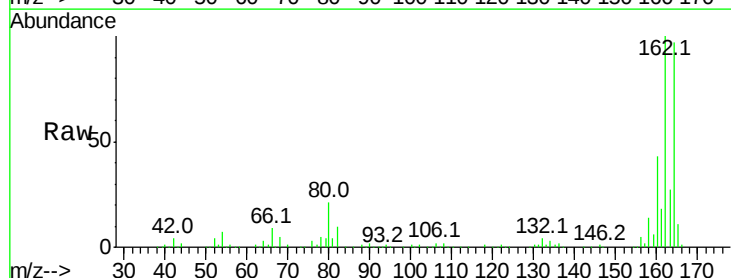
RT: 9.82 min Scan# 1314

Delta R.T. 0.01 min

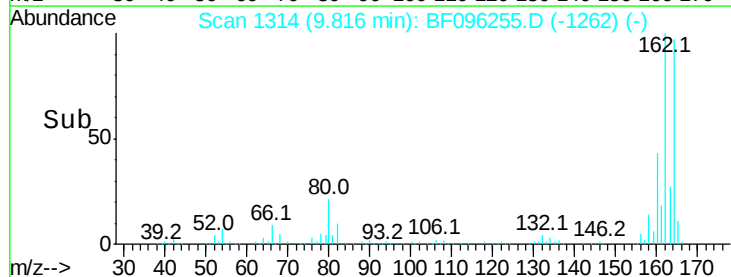
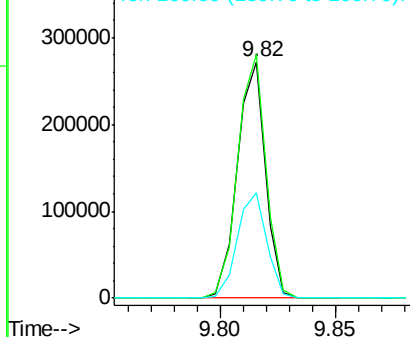
Lab File: BF096255.D

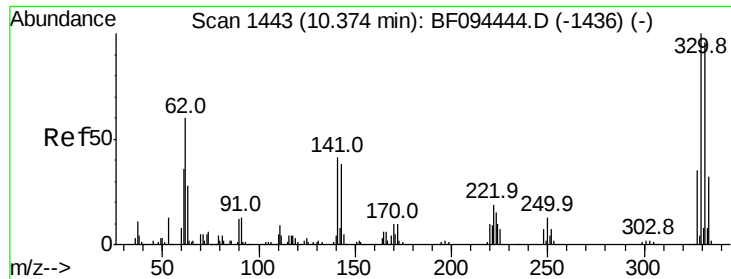
Acq: 28 Jun 2017 17:56

Tgt Ion:	164	Resp:	231682
Ion Ratio	Lower	Upper	
164	100		
162	103.0	82.6	123.8
160	44.5	36.2	54.2



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

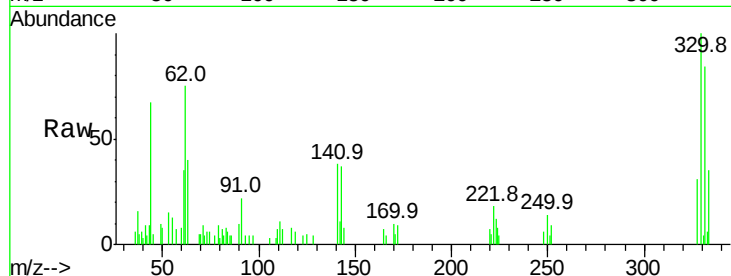




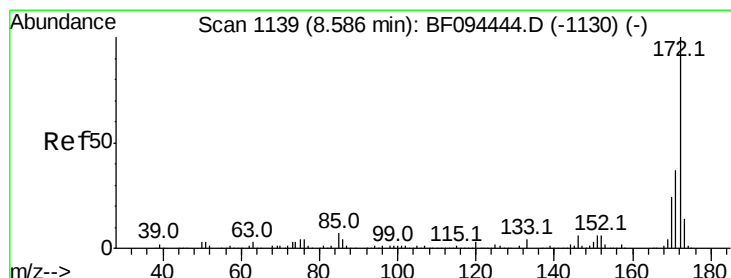
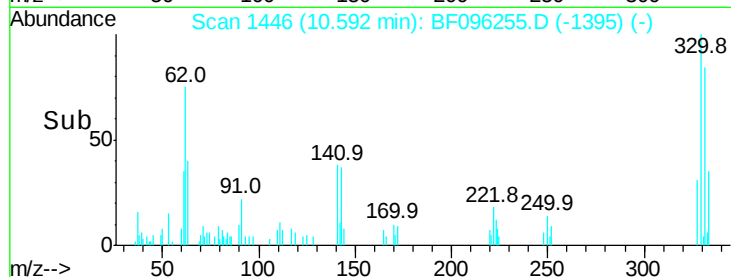
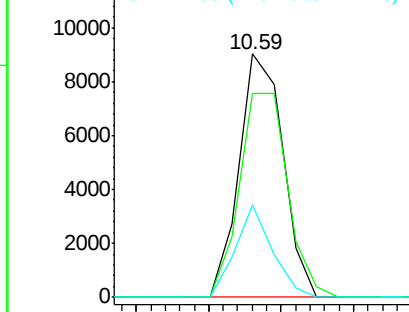
#41
 2,4,6-Tribromophenol
 Concen: 4.14 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096255.D
 Acq: 28 Jun 2017 17:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 7554
 Ion Ratio Lower Upper
 330 100
 332 92.7 76.6 115.0
 141 32.0 31.4 47.2

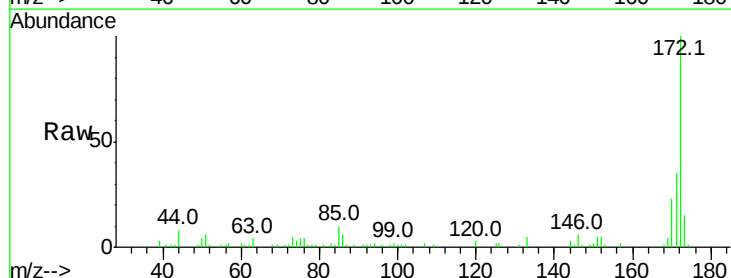


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

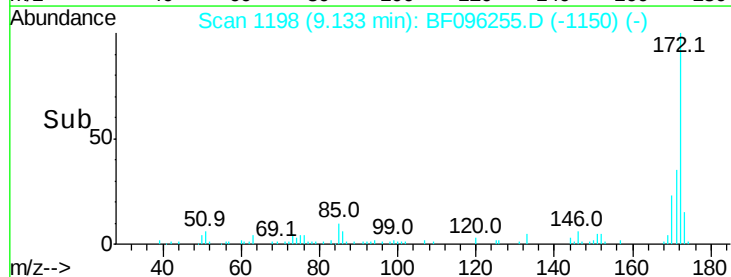
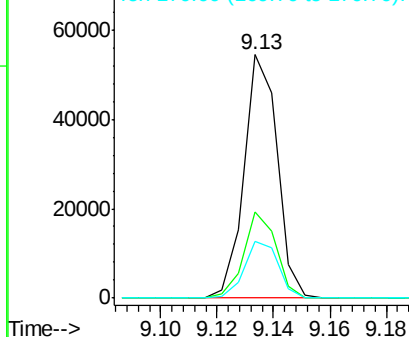


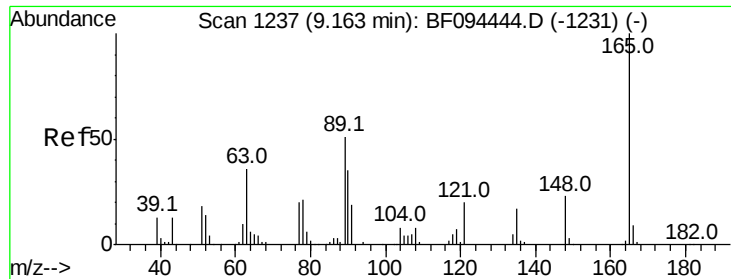
#44
 2-Fluorobiphenyl
 Concen: 3.51 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096255.D
 Acq: 28 Jun 2017 17:56

Tgt Ion:172 Resp: 44383
 Ion Ratio Lower Upper
 172 100
 171 35.5 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

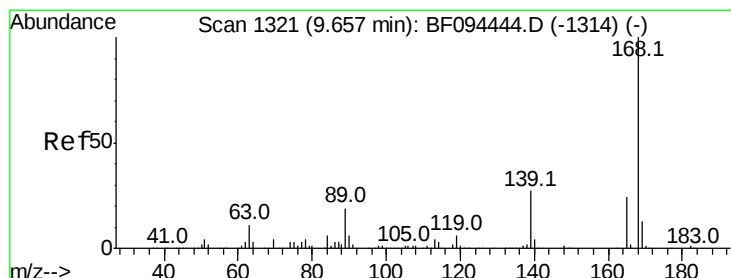
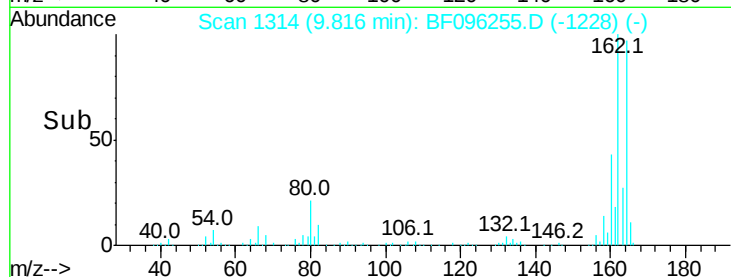
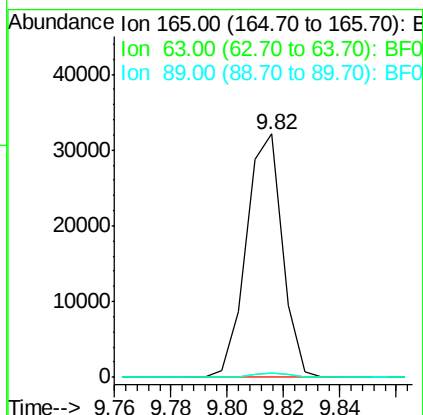
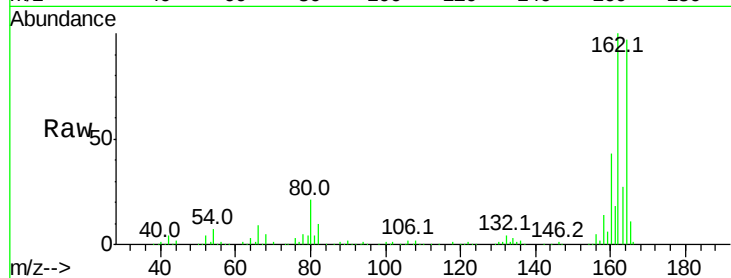




#50
 2,6-Dinitrotoluene
 Concen: 8.26 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF096255.D
 Acq: 28 Jun 2017 17:56

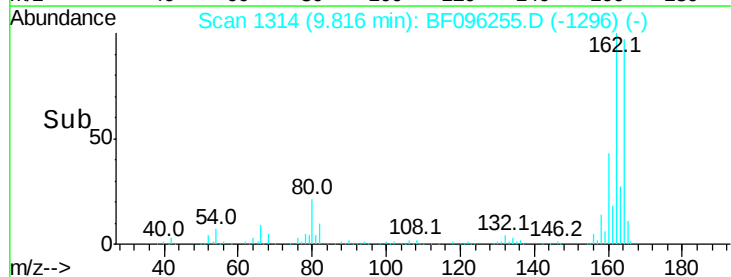
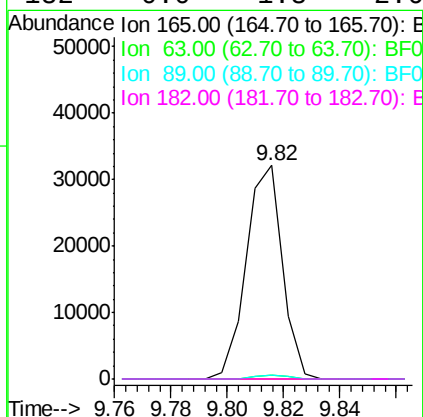
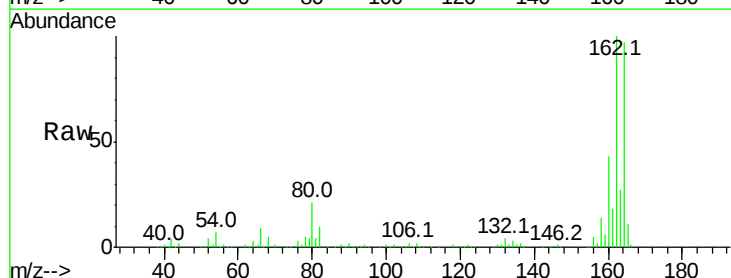
Instrument :
 BNA_F
 ClientSampleId :

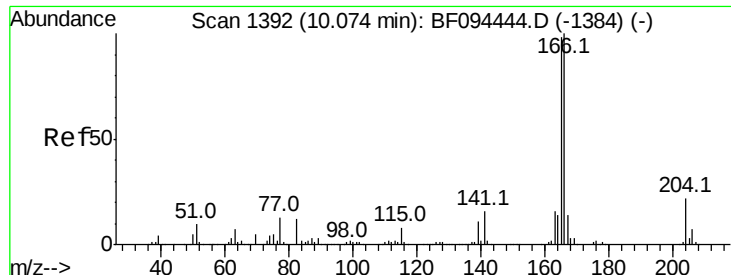
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.9	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.55 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF096255.D
 Acq: 28 Jun 2017 17:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BF096255.D

Acq: 28 Jun 2017 17:56

Instrument :

BNA_F

ClientSampled :

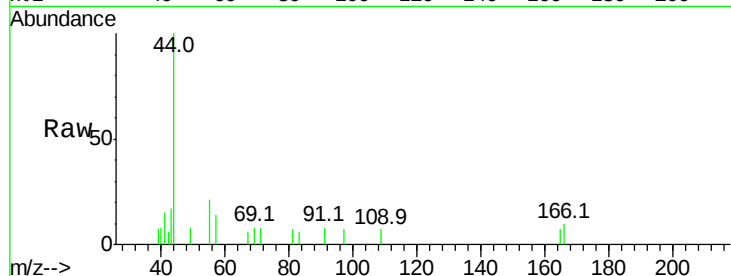
Tot Ion:166 Resp: 180

Ion Ratio Lower Upper

166 100

165 75.8 78.8 118.2#

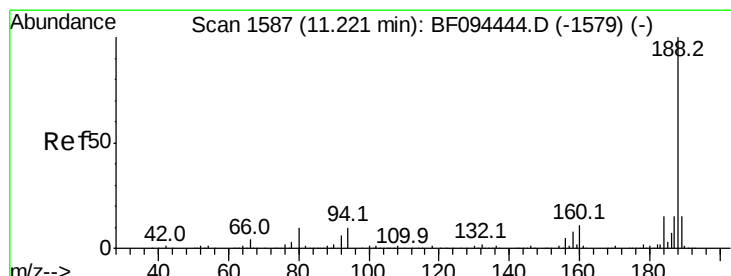
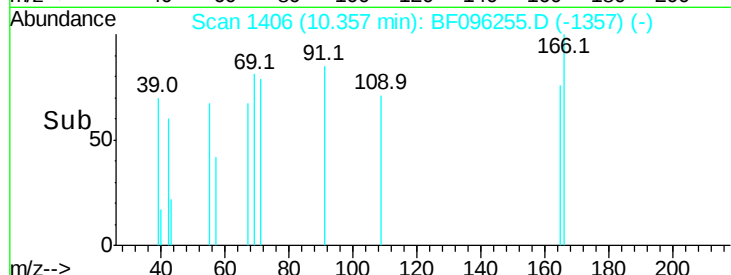
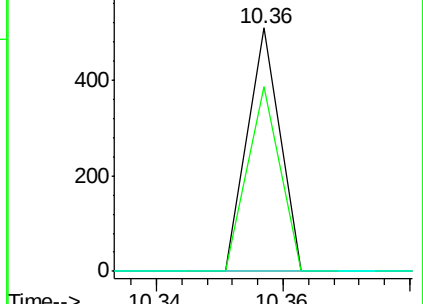
167 0.0 10.6 16.0#



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: BF096255.D

Acq: 28 Jun 2017 17:56

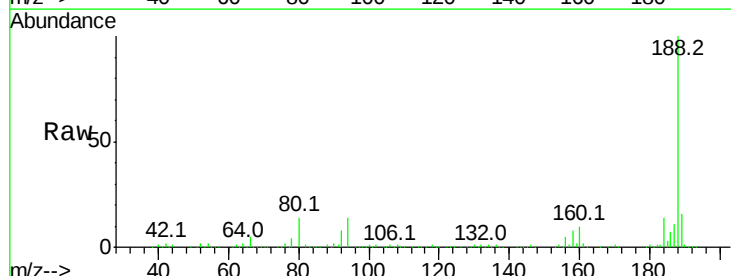
Tgt Ion:188 Resp: 364779

Ion Ratio Lower Upper

188 100

94 13.8 9.4 14.2

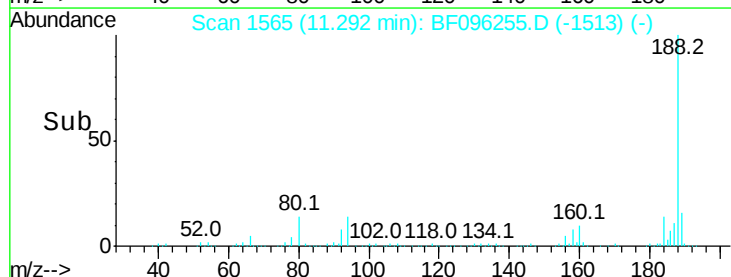
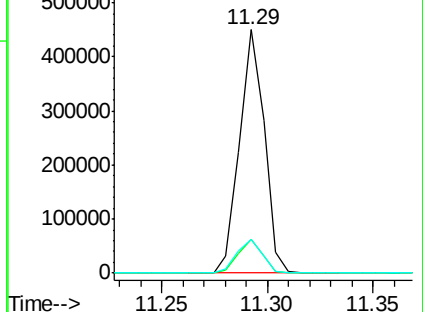
80 13.6 10.2 15.2

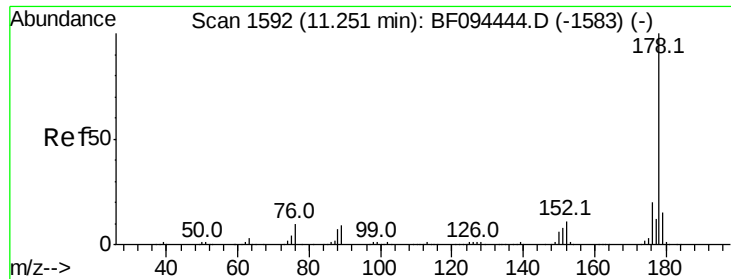


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF096255.D

Acq: 28 Jun 2017 17:56

Instrument :

BNA_F

ClientSampleId :

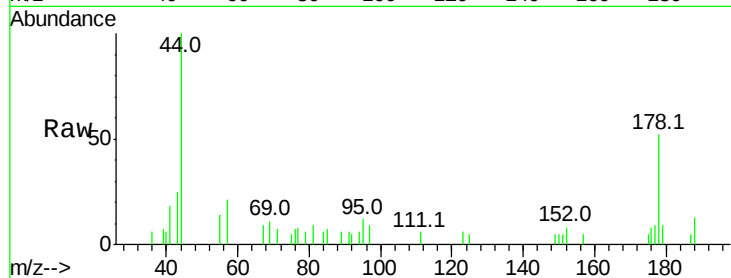
Tot Ion:178 Resp: 2849

Ion Ratio Lower Upper

178 100

176 14.5 16.2 24.4#

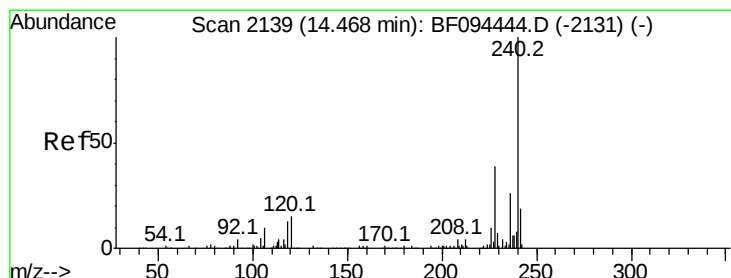
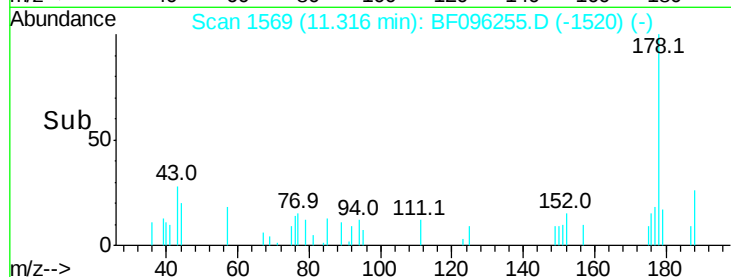
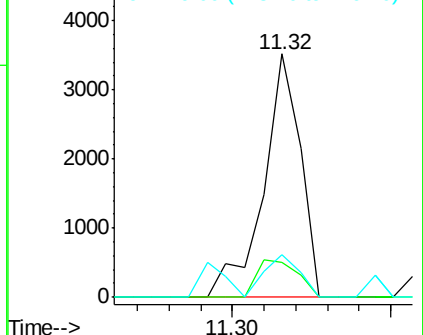
179 17.4 12.6 19.0



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: BF096255.D

Acq: 28 Jun 2017 17:56

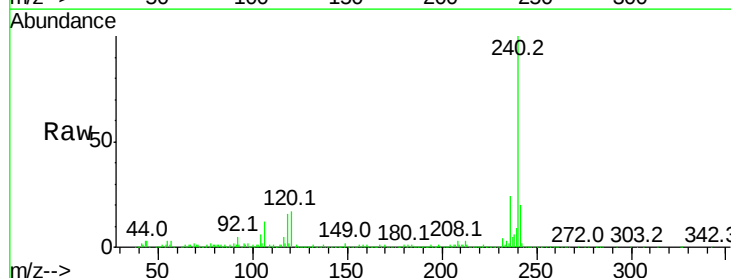
Tgt Ion:240 Resp: 355695

Ion Ratio Lower Upper

240 100

120 17.3 5.8 8.8#

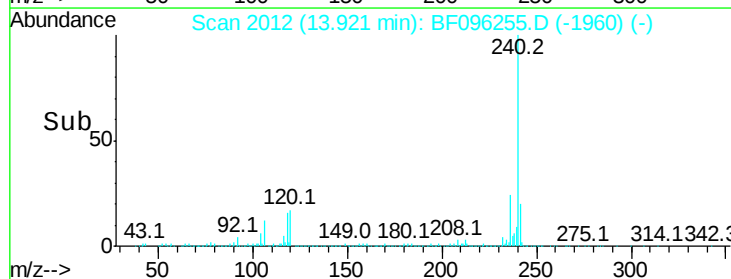
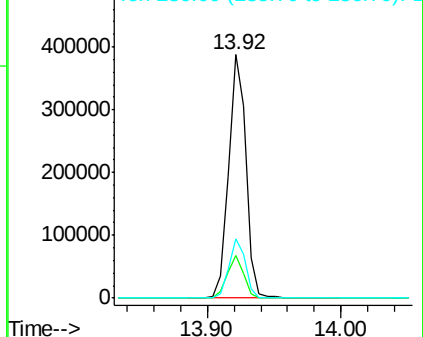
236 24.1 20.5 30.7

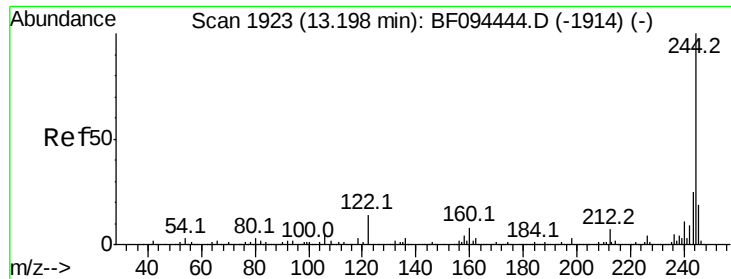


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 2.36 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096255.D

Acq: 28 Jun 2017 17:56

Instrument :

BNA_F

ClientSampleId :

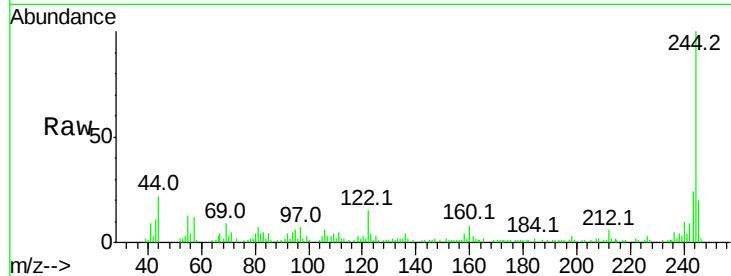
Tot Ion:244 Resp: 33639

Ion Ratio Lower Upper

244 100

212 6.0 6.0 9.0

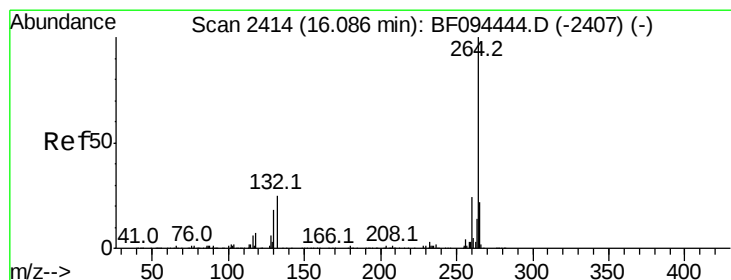
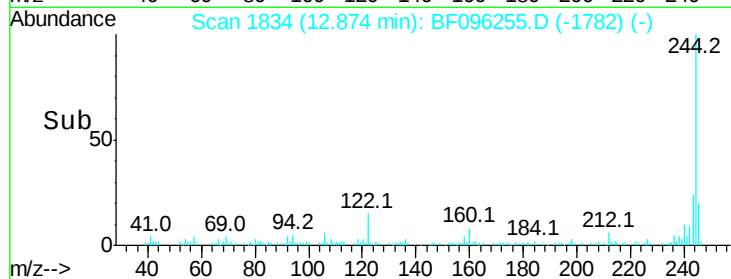
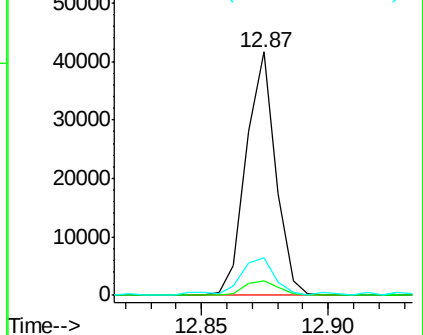
122 15.4 10.3 15.5



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: BF096255.D

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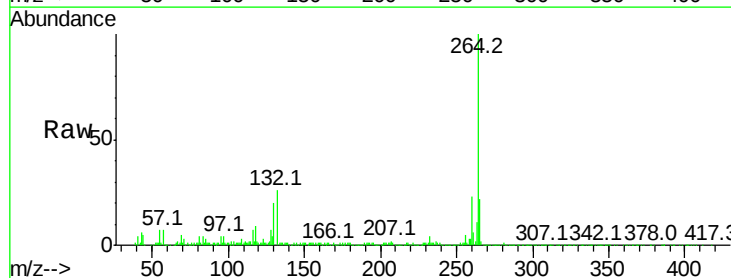
Tgt Ion:264 Resp: 310146

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

265 22.3 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

