

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096198.D
 Acq On : 24 Jun 2017 19:25
 Operator : SJ/MA
 Sample : I3851-02 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 01:24:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

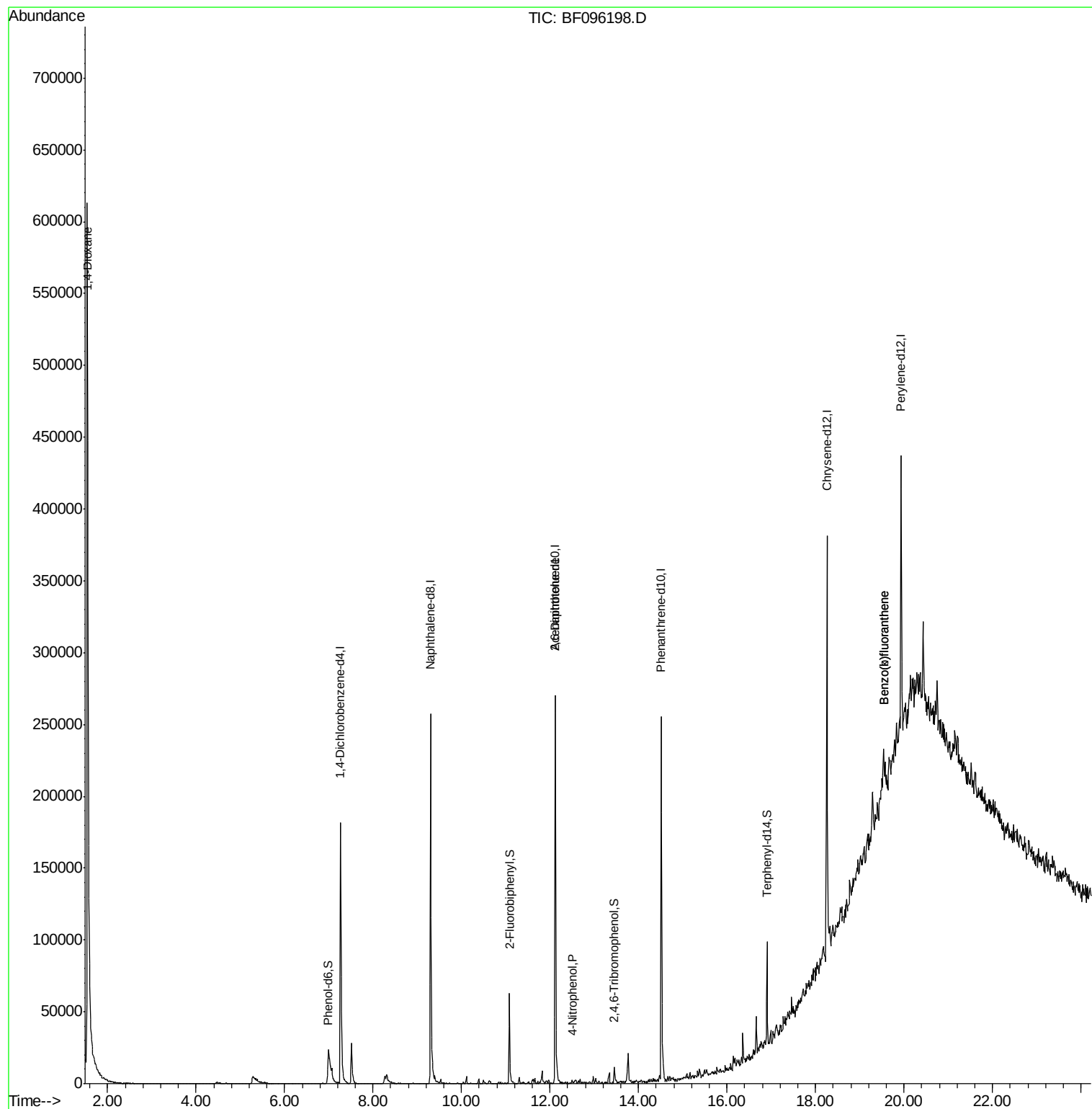
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	58099	20.00	ng	-0.03
21) Naphthalene-d8	9.30	136	215982	20.00	ng	-0.03
38) Acenaphthene-d10	12.12	164	85012	20.00	ng	-0.04
63) Phenanthrene-d10	14.52	188	143469	20.00	ng	-0.02
75) Chrysene-d12	18.26	240	121414	20.00	ng	-0.02
86) Perylene-d12	19.93	264	87499	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	3494	0.96	ng	0.10
7) Phenol-d6	6.97	99	9253	2.12	ng	0.09
23) Nitrobenzene-d5	8.26	82	5635	1.62	ng	0.04
41) 2,4,6-Tribromophenol	13.45	330	3745	4.98	ng	0.00
44) 2-Fluorobiphenyl	11.08	172	33317	5.45	ng	-0.03
78) Terphenyl-d14	16.90	244	25820	5.28	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.54	88	28562	16.47	ng	# 22
50) 2,6-Dinitrotoluene	12.12	165	10209	7.25	ng	# 31
55) 4-Nitrophenol	12.50	139	356	4.98	ng	# 25
87) Benzo(b)fluoranthene	19.54	252	13041	2.38	ng	# 58
88) Benzo(k)fluoranthene	19.54	252	13041	2.49	ng	# 62

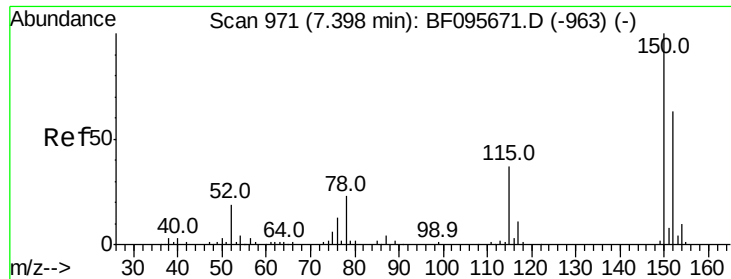
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.26 min Scan# 982

Delta R.T. -0.03 min

Lab File: BF096198.D

Acq: 24 Jun 2017 19:25

Instrument :

BNA_F

ClientSampleId :

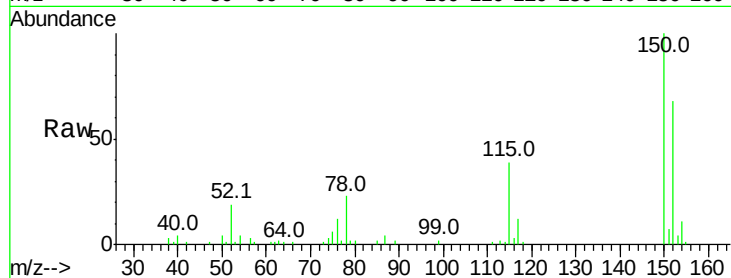
Tot Ion:152 Resp: 58099

Ion Ratio Lower Upper

152 100

150 148.1 126.2 189.2

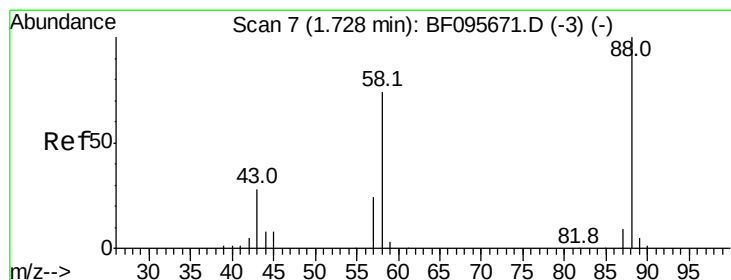
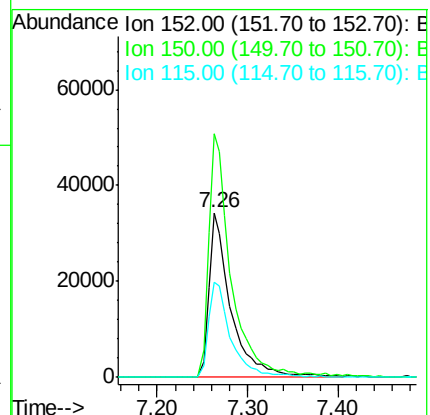
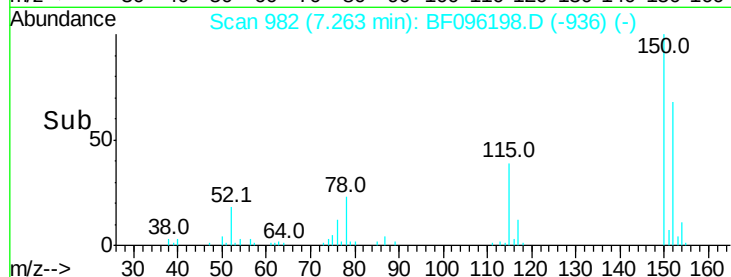
115 57.8 52.2 78.2



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



#2

1,4-Dioxane

Concen: 16.47 ng

RT: 1.54 min Scan# 9

Delta R.T. -0.07 min

Lab File: BF096198.D

Acq: 24 Jun 2017 19:25

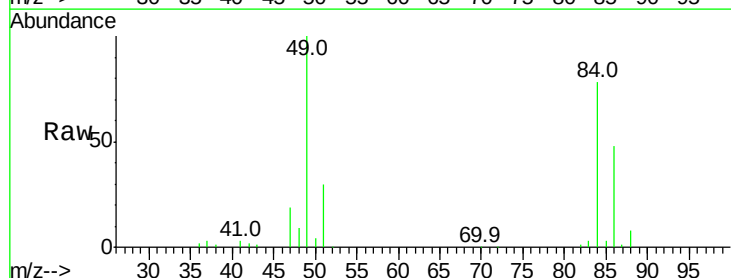
Tgt Ion: 88 Resp: 28562

Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

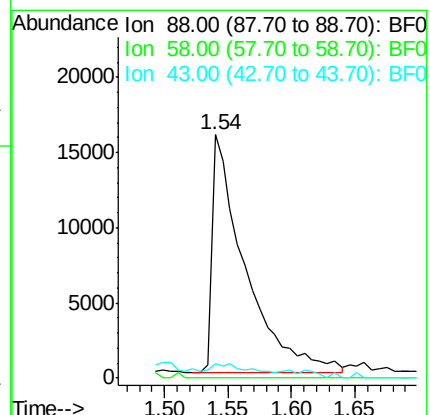
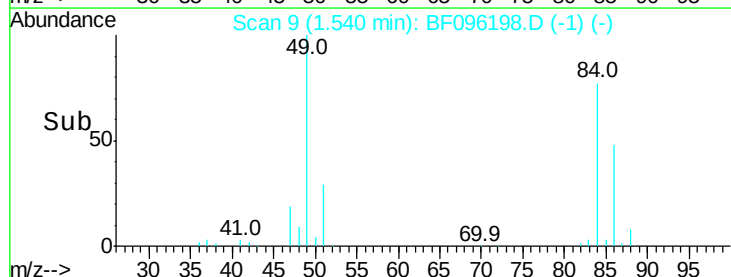
43 3.5 23.4 35.0#

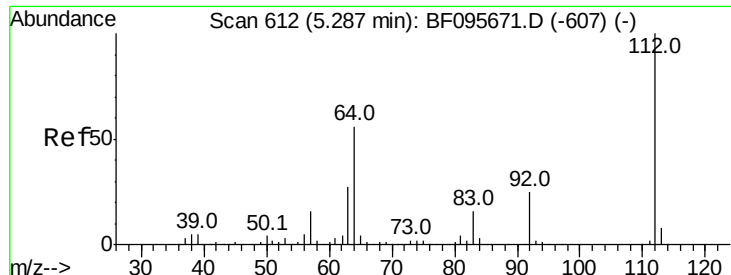


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 0.96 ng

RT: 5.28 min Scan# 645

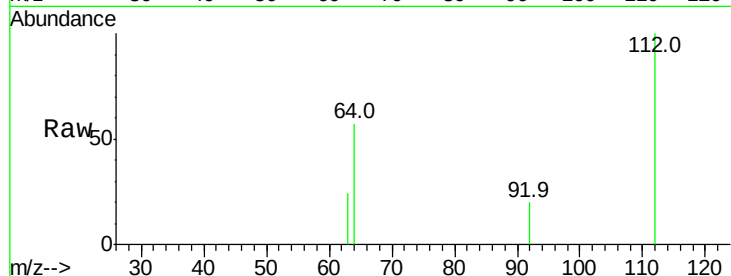
Delta R.T. 0.10 min

Lab File: BF096198.D

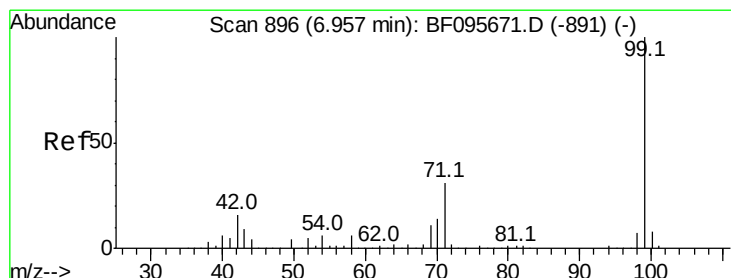
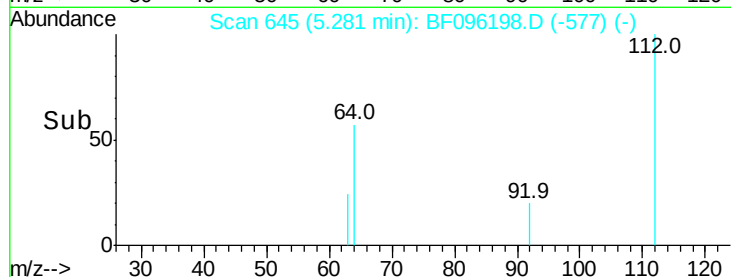
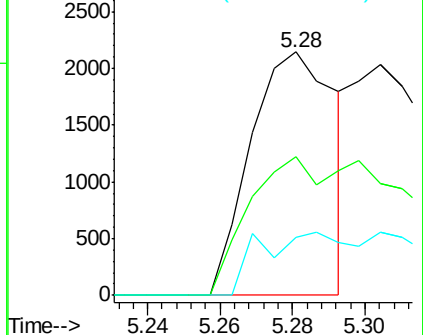
Acq: 24 Jun 2017 19:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	3494
Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.0	69.0
63	23.8	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: 2.12 ng

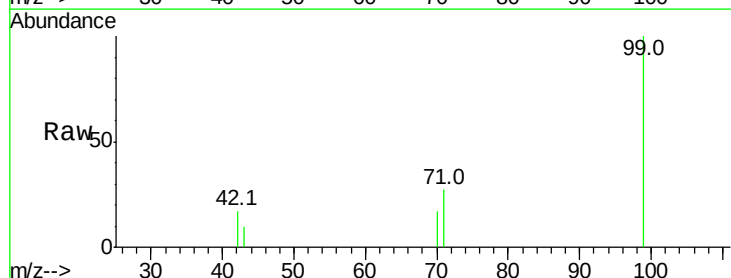
RT: 6.97 min Scan# 932

Delta R.T. 0.09 min

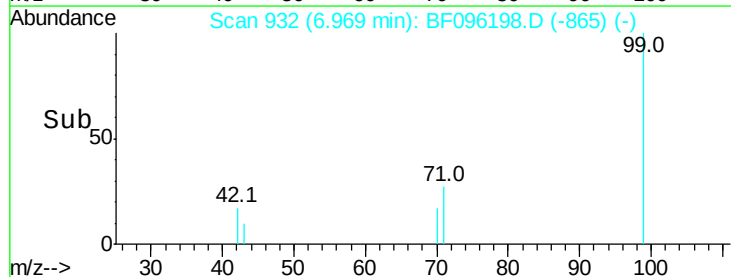
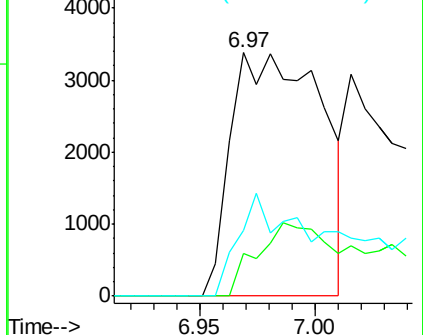
Lab File: BF096198.D

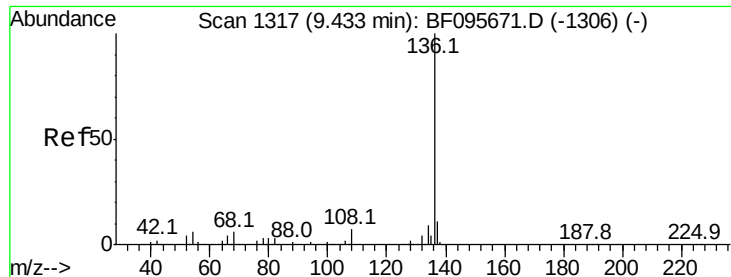
Acq: 24 Jun 2017 19:25

Tgt Ion:	99	Resp:	9253
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.5	20.3
71	26.8	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

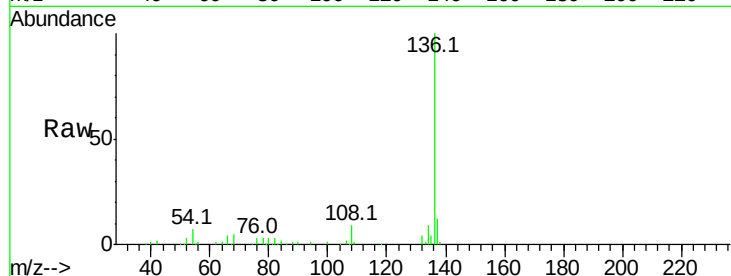




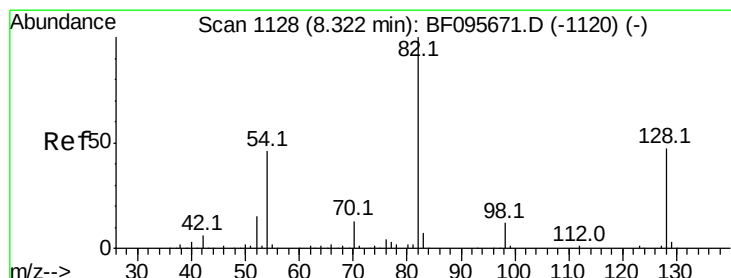
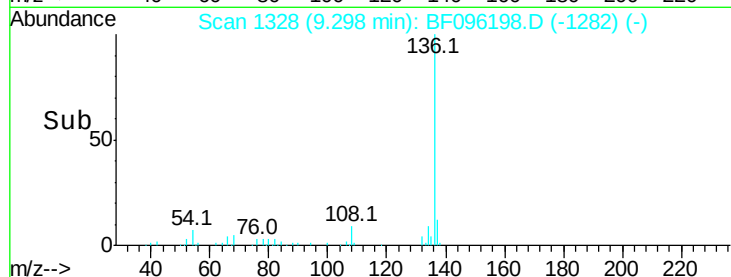
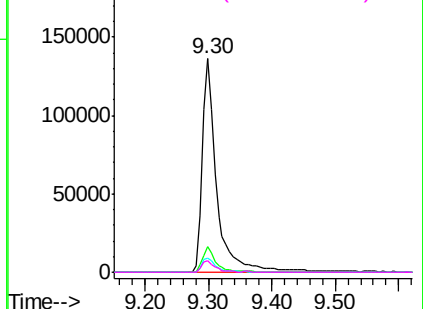
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.30 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF096198.D
Acq: 24 Jun 2017 19:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	215982
Ion	Ratio	Lower Upper
136	100	
137	11.9	8.5 12.7
54	6.8	4.9 7.3
68	5.3	4.1 6.1

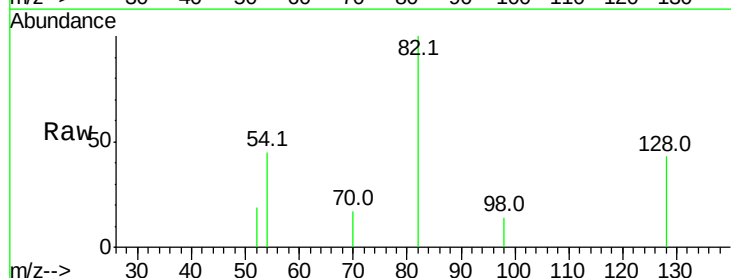


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

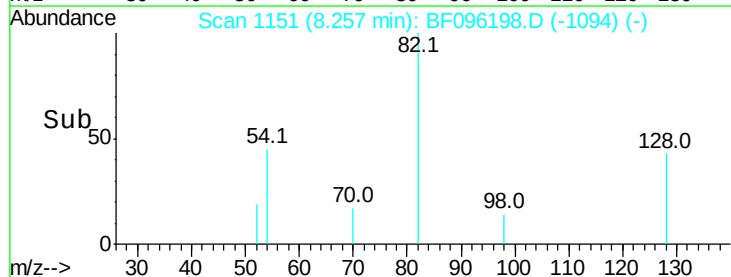
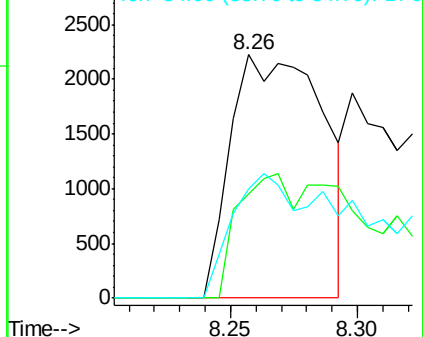


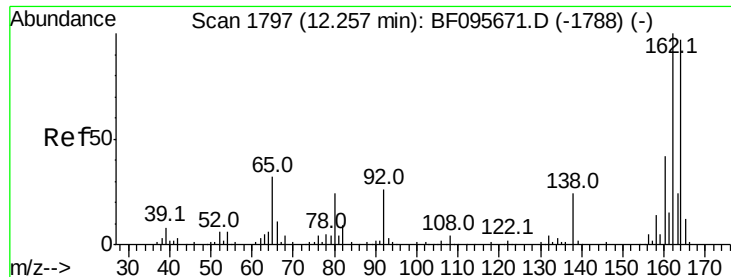
#23
Nitrobenzene-d5
Concen: 1.62 ng
RT: 8.26 min Scan# 1151
Delta R.T. 0.04 min
Lab File: BF096198.D
Acq: 24 Jun 2017 19:25

Tgt Ion: 82	Resp:	5635
Ion	Ratio	Lower Upper
82	100	
128	42.5	34.0 51.0
54	44.7	42.2 63.2



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.12 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF096198.D

Acq: 24 Jun 2017 19:25

Instrument :

BNA_F

ClientSampleId :

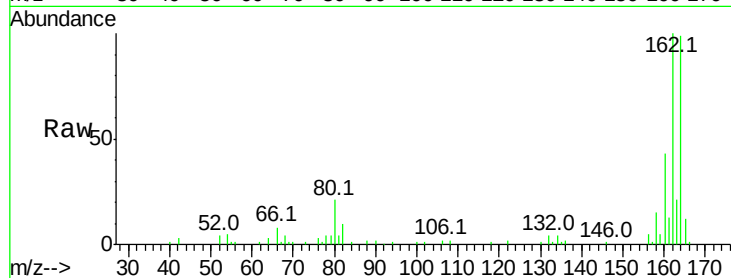
Tot Ion:164 Resp: 85012

Ion Ratio Lower Upper

164 100

162 100.9 82.6 123.8

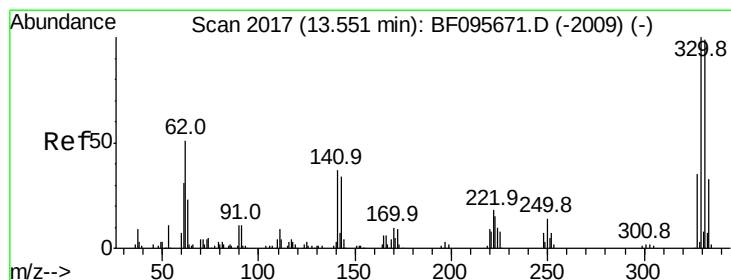
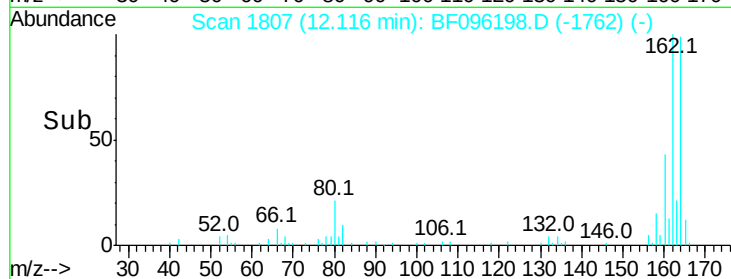
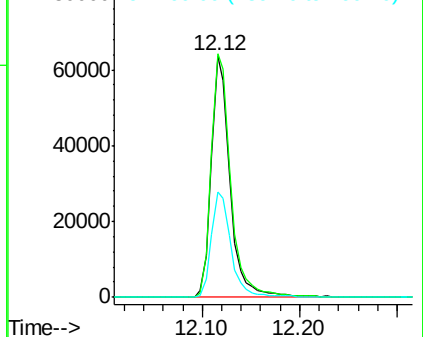
160 43.6 36.2 54.2



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: 4.98 ng

RT: 13.45 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF096198.D

Acq: 24 Jun 2017 19:25

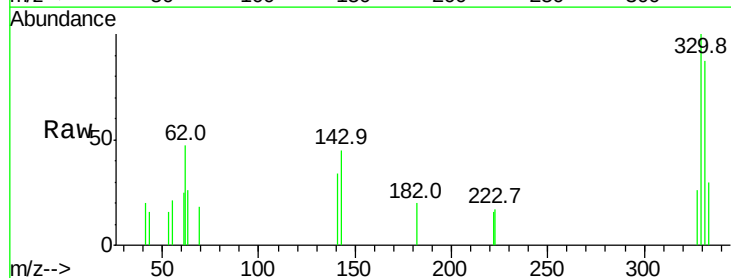
Tgt Ion:330 Resp: 3745

Ion Ratio Lower Upper

330 100

332 100.7 76.6 115.0

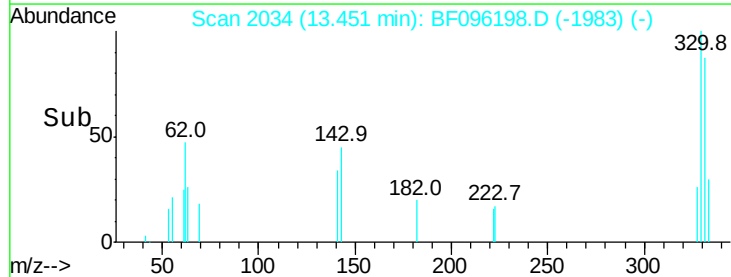
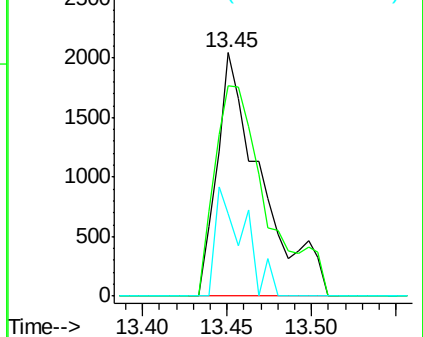
141 29.1 31.4 47.2#

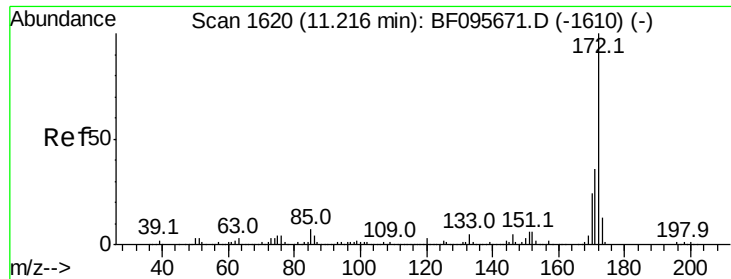


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

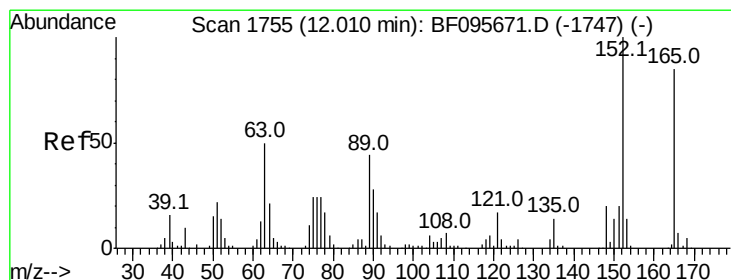
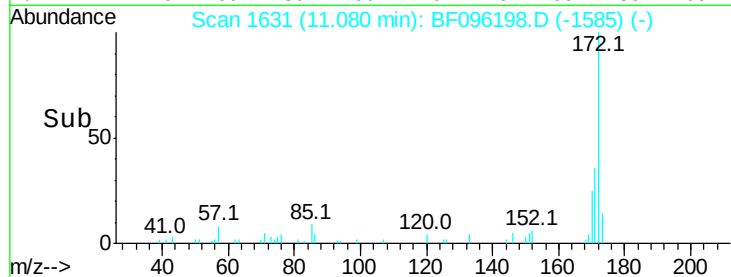
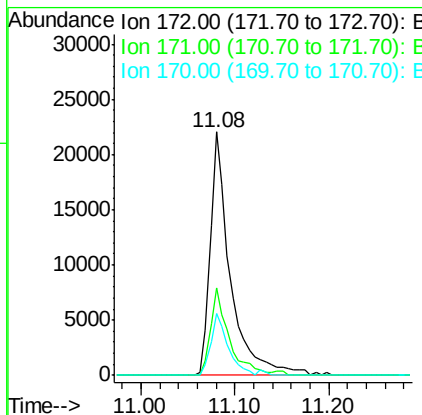
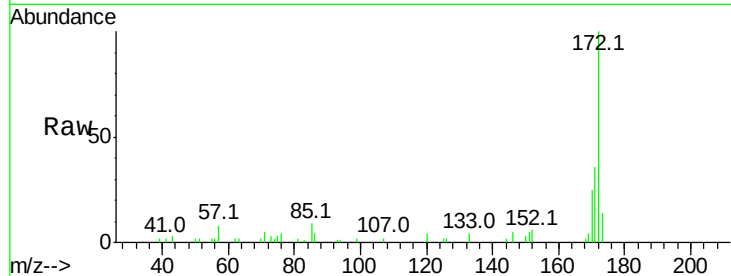




#44
 2-Fluorobiphenyl
 Concen: 5.45 ng
 RT: 11.08 min Scan# 1631
 Delta R.T. -0.03 min
 Lab File: BF096198.D
 Acq: 24 Jun 2017 19:25

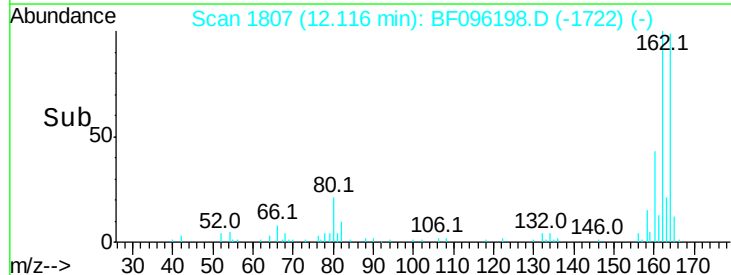
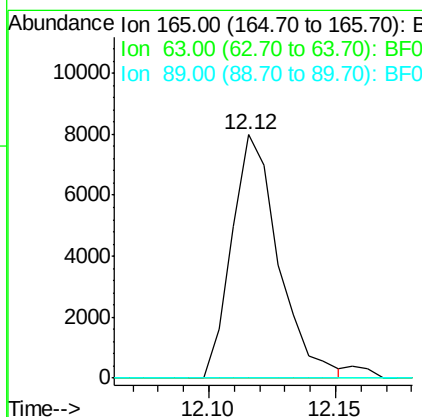
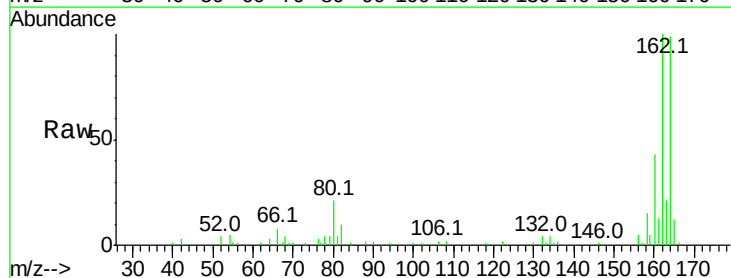
Instrument :
 BNA_F
 ClientSampleId :

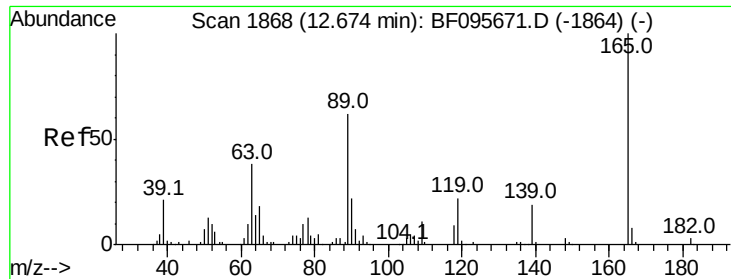
Tot Ion:172 Resp: 33317
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 25.3 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.25 ng
 RT: 12.12 min Scan# 1807
 Delta R.T. 0.20 min
 Lab File: BF096198.D
 Acq: 24 Jun 2017 19:25

Tgt Ion:165 Resp: 10209
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#





#55

4-Nitrophenol

Concen: 4.98 ng

RT: 12.50 min Scan# 1873

Delta R.T. -0.13 min

Lab File: BF096198.D

Acq: 24 Jun 2017 19:25

Instrument :

BNA_F

ClientSampleId :

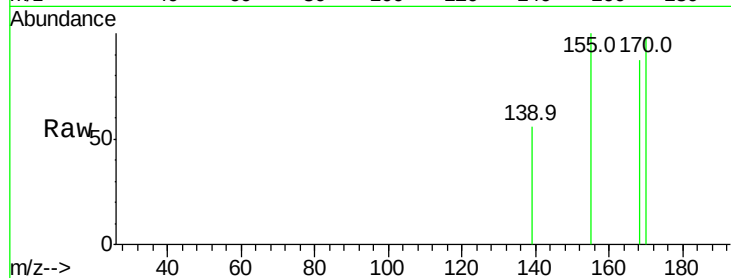
Tot Ion:139 Resp: 356

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

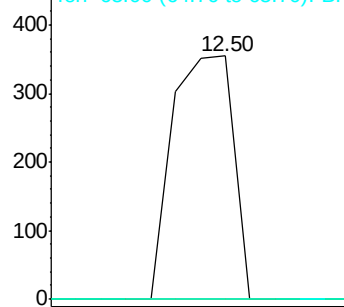
65 0.0 31.4 71.4#



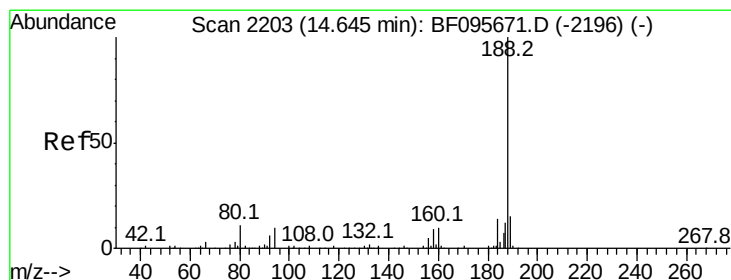
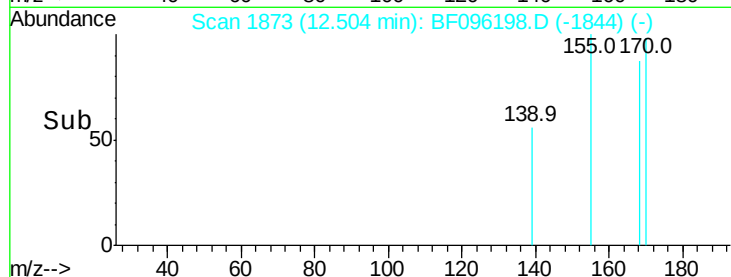
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.52 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF096198.D

Acq: 24 Jun 2017 19:25

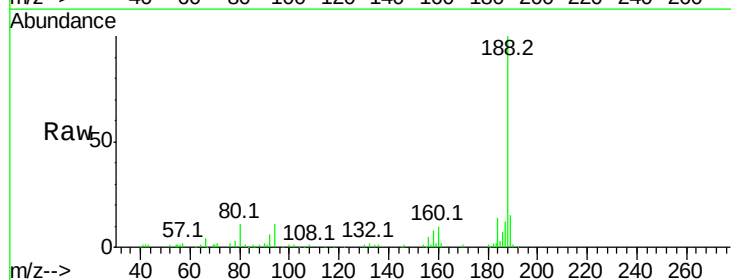
Tgt Ion:188 Resp: 143469

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

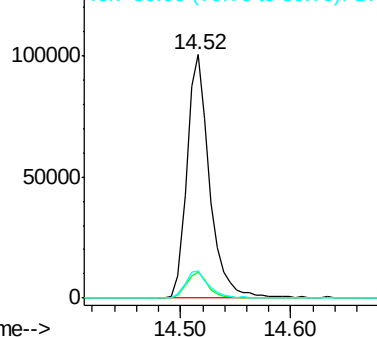
80 11.4 10.2 15.2



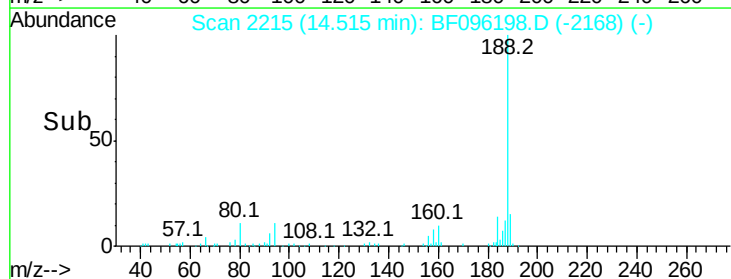
Abundance Ion 188.00 (187.70 to 188.70): E

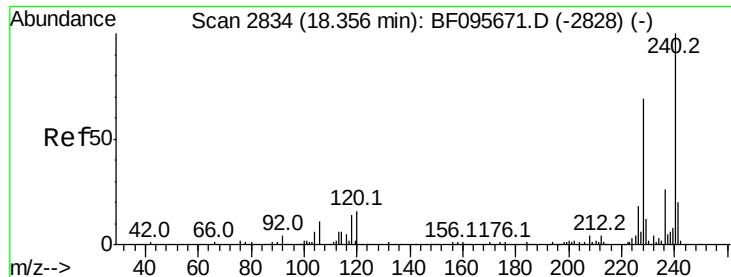
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.26 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BF096198.D

Acq: 24 Jun 2017 19:25

Instrument :

BNA_F

ClientSampleId :

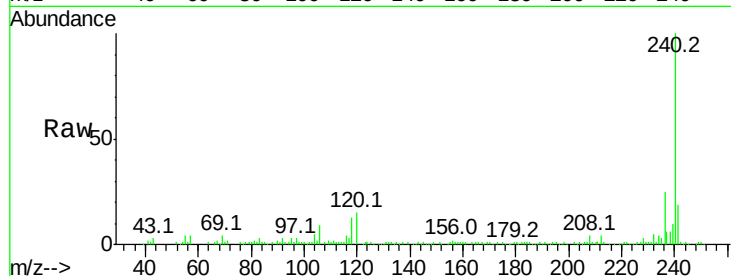
Tot Ion:240 Resp: 121414

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

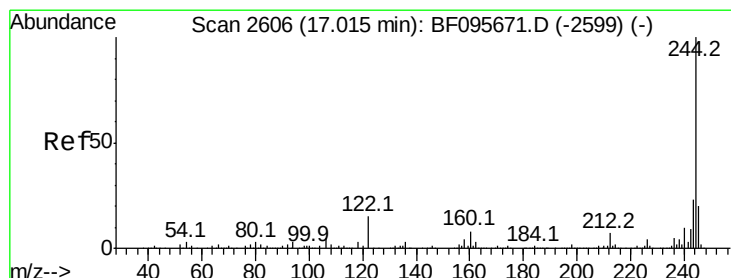
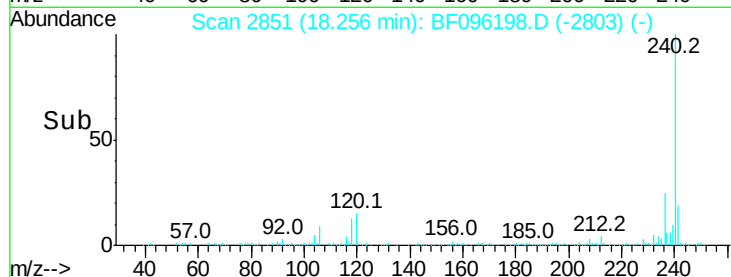
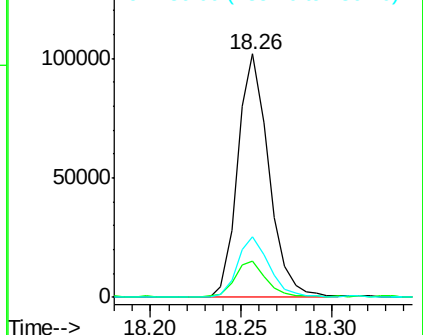
236 24.7 20.5 30.7



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: 5.28 ng

RT: 16.90 min Scan# 2620

Delta R.T. -0.03 min

Lab File: BF096198.D

Acq: 24 Jun 2017 19:25

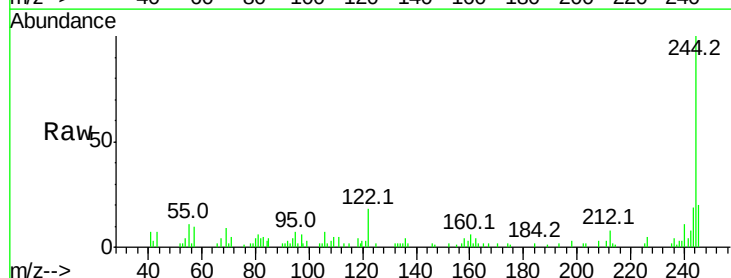
Tgt Ion:244 Resp: 25820

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

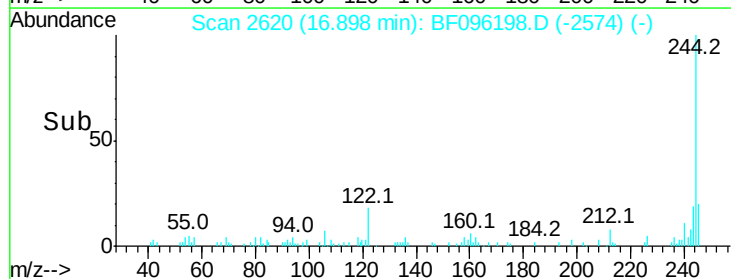
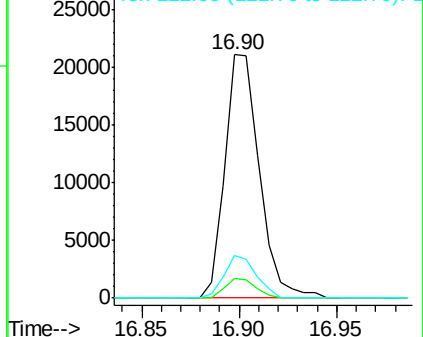
122 17.5 10.3 15.5#

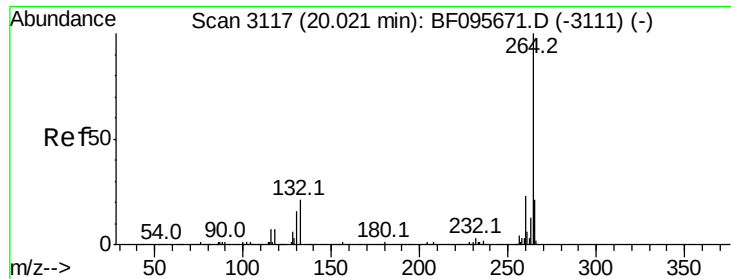


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

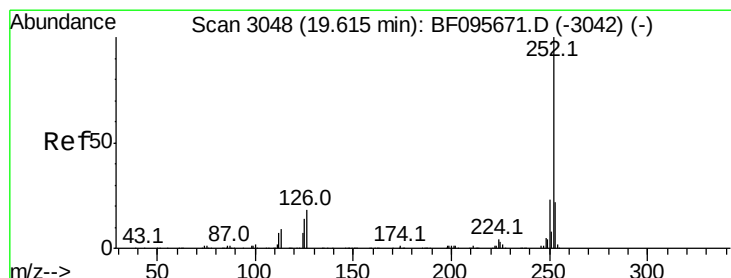
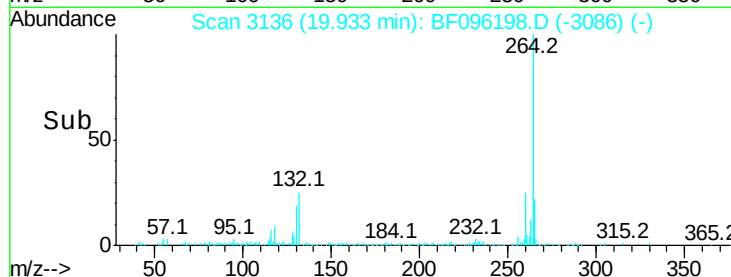
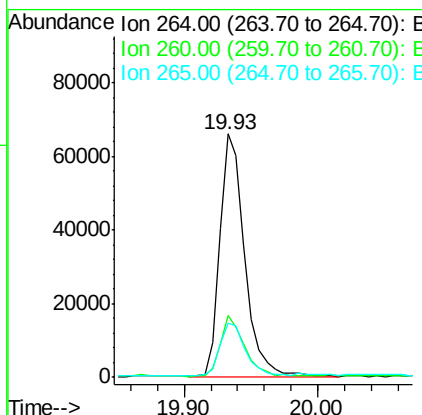
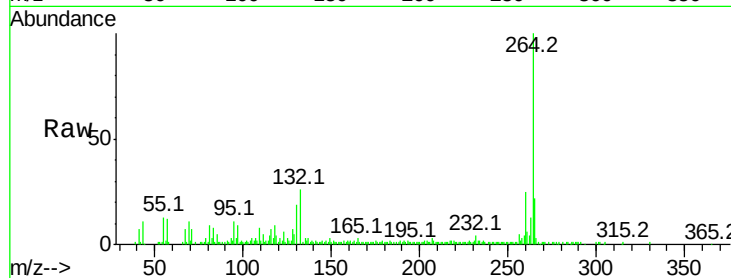




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.93 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BF096198.D
Acq: 24 Jun 2017 19:25

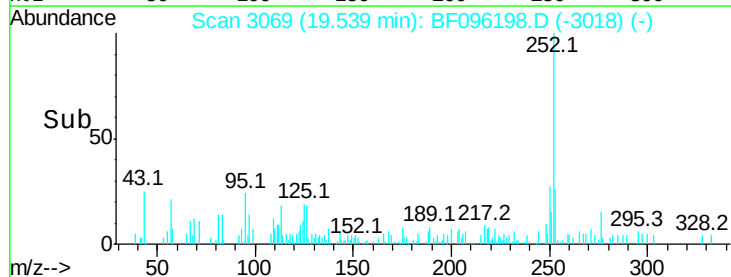
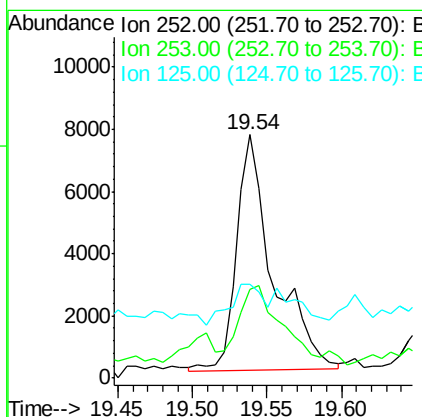
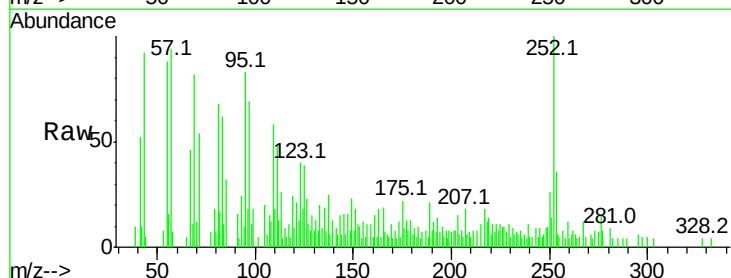
Instrument :
BNA_F
ClientSampleId :

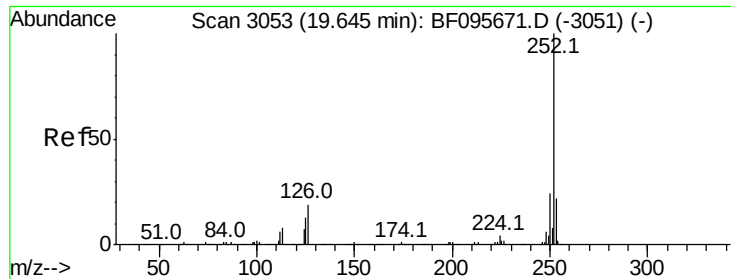
Tot Ion:264 Resp: 87499
Ion Ratio Lower Upper
264 100
260 25.2 19.5 29.3
265 22.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.38 ng
RT: 19.54 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF096198.D
Acq: 24 Jun 2017 19:25

Tgt Ion:252 Resp: 13041
Ion Ratio Lower Upper
252 100
253 36.2 18.1 27.1#
125 38.6 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.49 ng

RT: 19.54 min Scan# 3069

Delta R.T. -0.03 min

Lab File: BF096198.D

Acq: 24 Jun 2017 19:25

Instrument :

BNA_F

ClientSampleId :

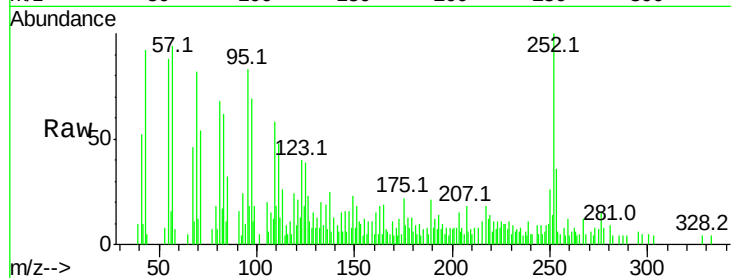
Tot Ion:252 Resp: 13041

Ion Ratio Lower Upper

252 100

253 36.2 18.4 27.6#

125 38.6 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

