

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095914.D
 Acq On : 14 Jun 2017 2:11
 Operator : SJ/MA
 Sample : I3635-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 04:16:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

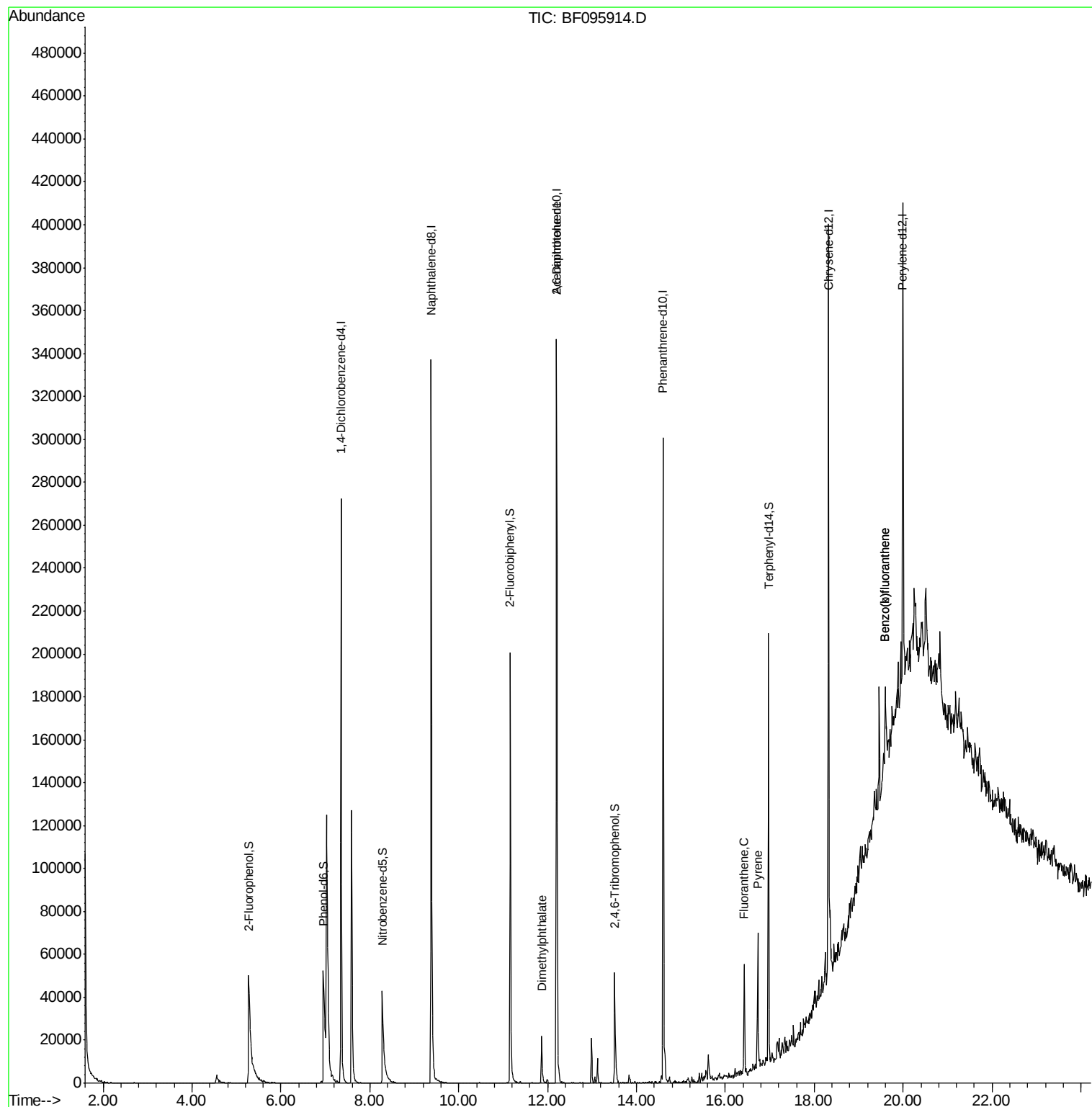
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	69132	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	264743	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	103713	20.00	ng	-0.05
63) Phenanthrene-d10	14.60	188	162183	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	133846	20.00	ng	-0.04
86) Perylene-d12	19.99	264	96477	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	62155	14.33	ng	-0.01
7) Phenol-d6	6.96	99	76836	14.79	ng	0.00
23) Nitrobenzene-d5	8.28	82	47893	11.23	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	13409	14.61	ng	-0.04
44) 2-Fluorobiphenyl	11.16	172	107105	14.37	ng	-0.05
78) Terphenyl-d14	16.97	244	75208	13.94	ng	-0.05
Target Compounds						
49) Dimethylphthalate	11.86	163	20756	2.64	ng	# 99
50) 2,6-Dinitrotoluene	12.20	165	12627	7.35	ng	# 31
74) Fluoranthene	16.42	202	28986	3.13	ng	96
77) Pyrene	16.73	202	27718	2.78	ng	# 96
87) Benzo(b)fluoranthene	19.60	252	21563	3.57	ng	# 88
88) Benzo(k)fluoranthene	19.60	252	21563	3.73	ng	# 92

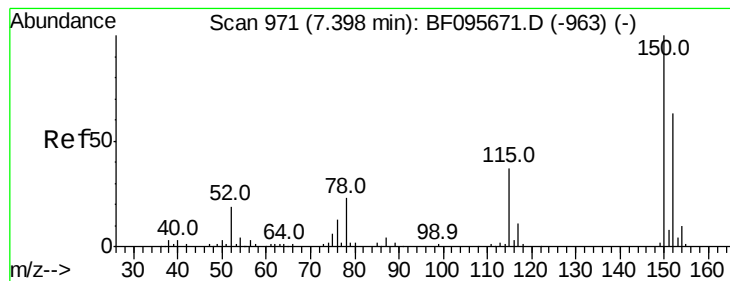
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.35 min Scan# 980

Delta R.T. -0.05 min

Lab File: BF095914.D

Acq: 14 Jun 2017 2:11

Instrument :

BNA_F

ClientSampleId :

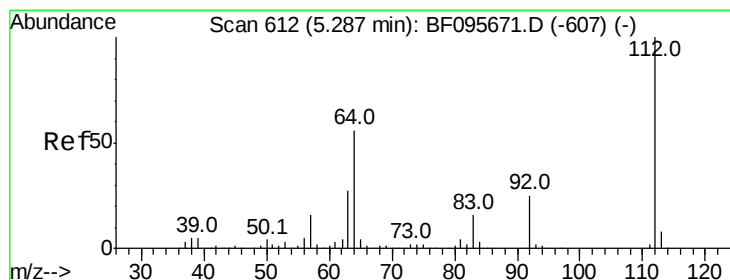
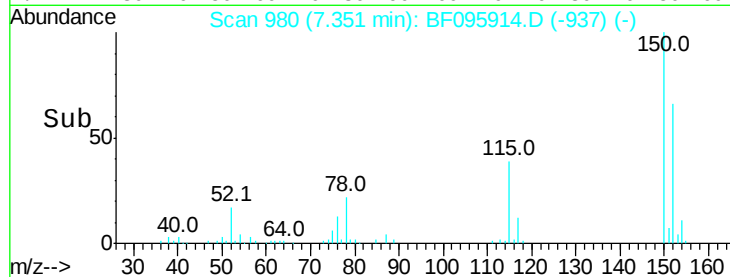
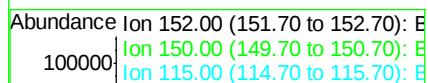
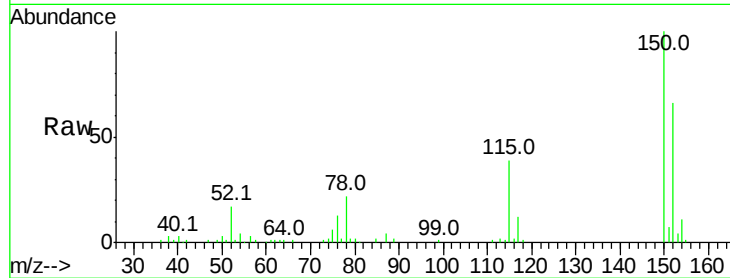
Tot Ion:152 Resp: 69132

Ion Ratio Lower Upper

152 100

150 151.5 126.2 189.2

115 59.3 52.2 78.2



#5

2-Fluorophenol

Concen: 14.33 ng

RT: 5.27 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF095914.D

Acq: 14 Jun 2017 2:11

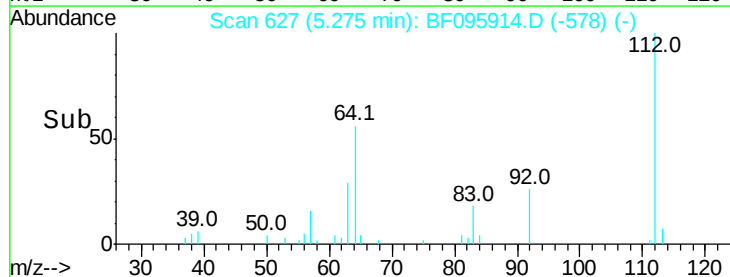
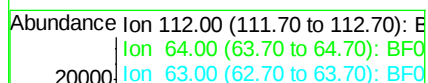
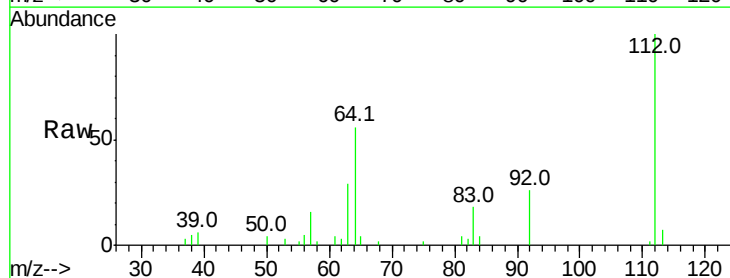
Tgt Ion:112 Resp: 62155

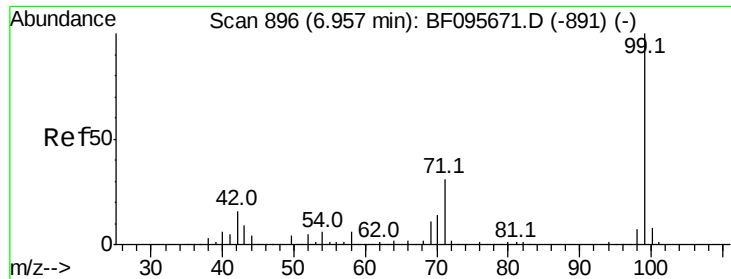
Ion Ratio Lower Upper

112 100

64 56.1 46.0 69.0

63 28.9 23.4 35.0





#7

Phenol-d6

Concen: 14.79 ng

RT: 6.96 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF095914.D

Acq: 14 Jun 2017 2:11

Instrument :

BNA_F

ClientSampled :

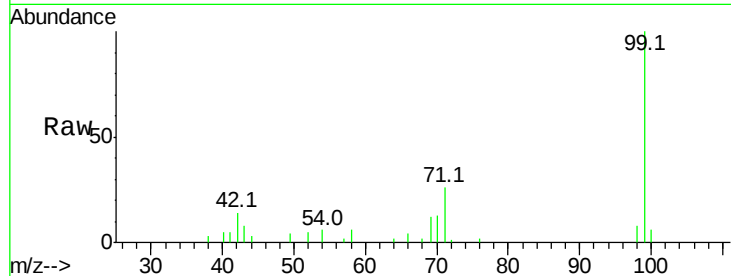
Tot Ion: 99 Resp: 76836

Ion Ratio Lower Upper

99 100

42 14.2 13.5 20.3

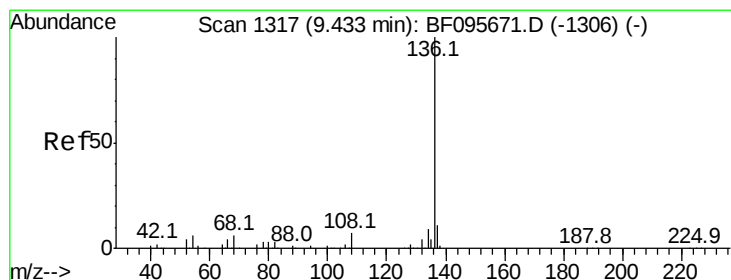
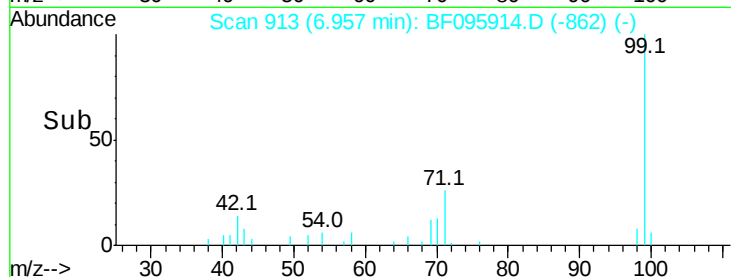
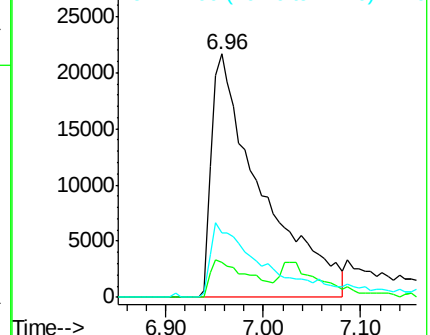
71 26.4 24.5 36.7



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: 9.38 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF095914.D

Acq: 14 Jun 2017 2:11

Tgt Ion: 136 Resp: 264743

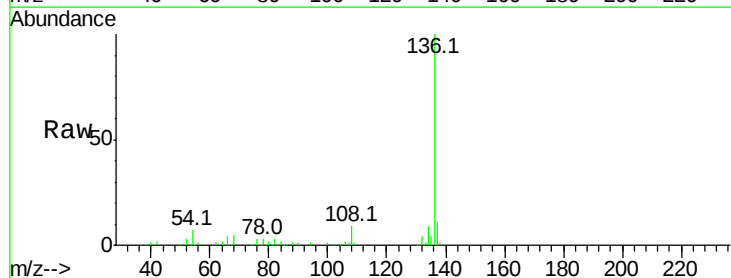
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.9 4.9 7.3

68 5.3 4.1 6.1

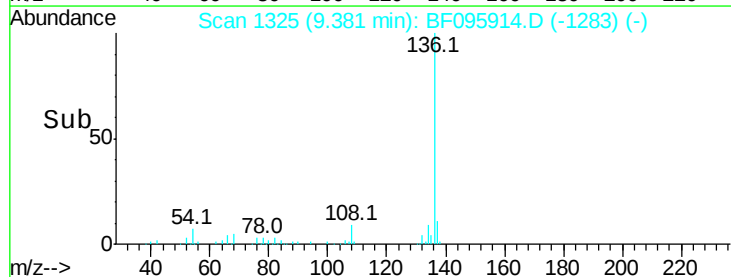
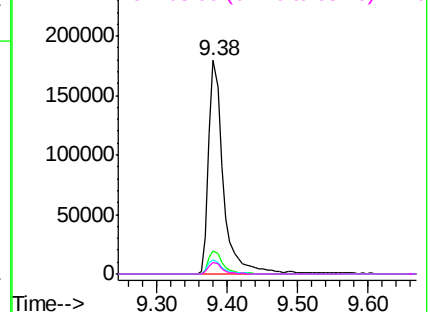


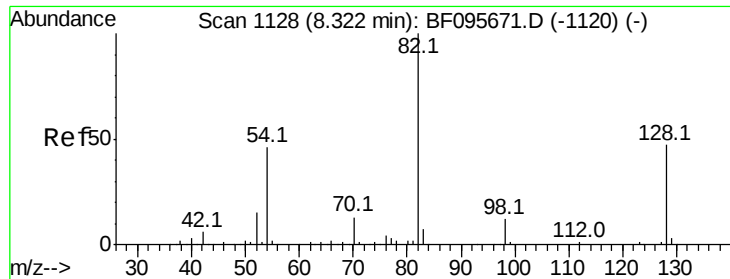
Abundance Ion 136.00 (135.70 to 136.70): E

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

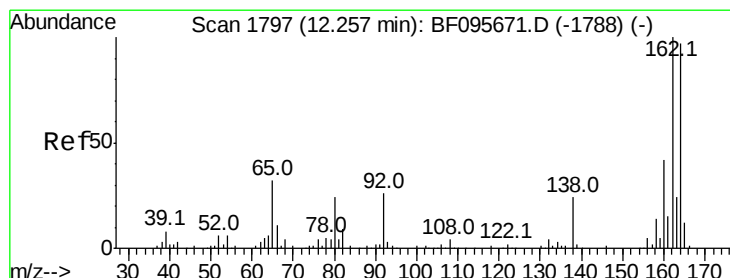
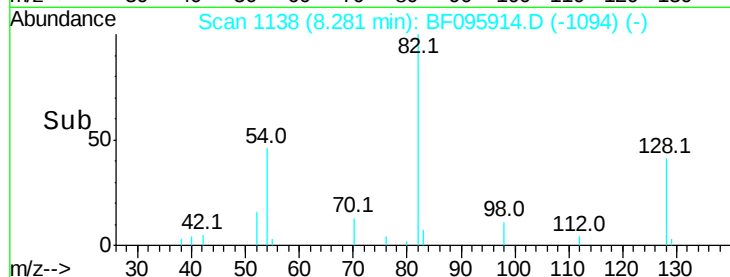
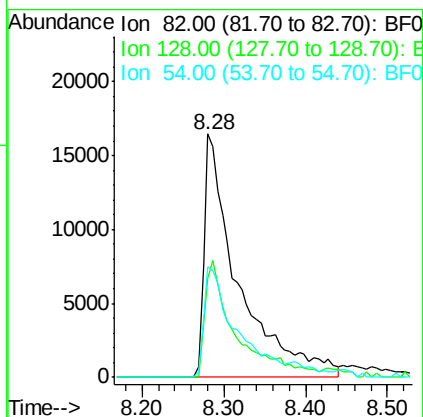
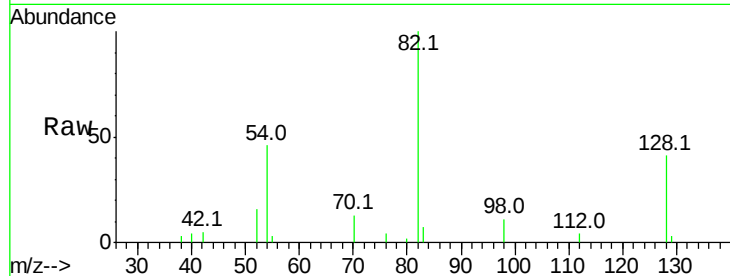




#23
Nitrobenzene-d5
Concen: 11.23 ng
RT: 8.28 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF095914.D
Acq: 14 Jun 2017 2:11

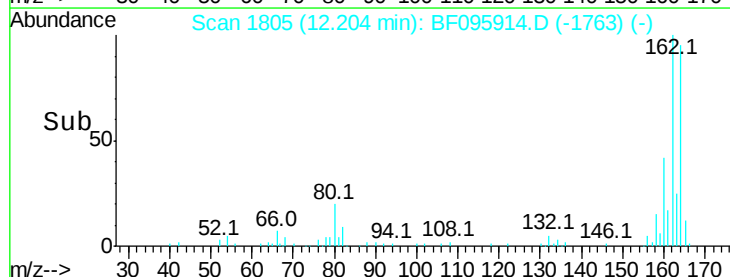
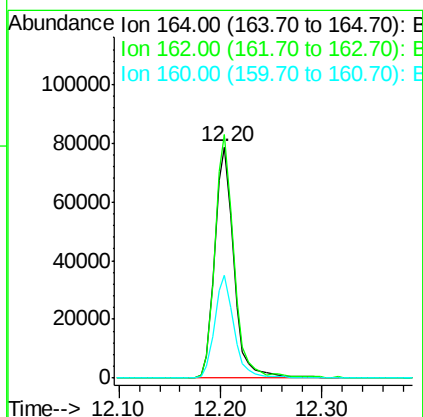
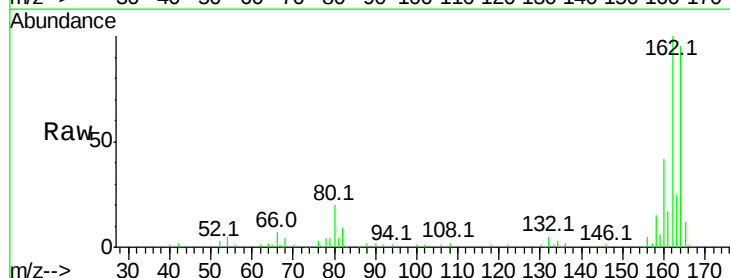
Instrument :
BNA_F
ClientSampleId :

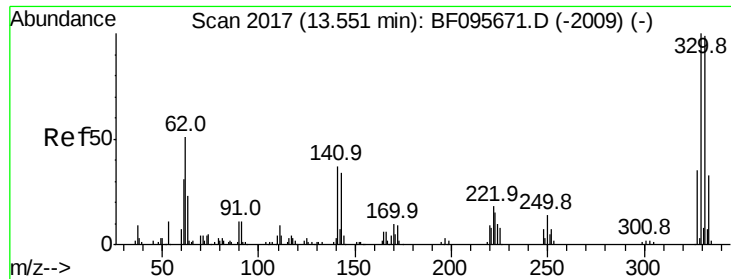
Tot Ion: 82 Resp: 47893
Ion Ratio Lower Upper
82 100
128 40.9 34.0 51.0
54 45.6 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.20 min Scan# 1805
Delta R.T. -0.05 min
Lab File: BF095914.D
Acq: 14 Jun 2017 2:11

Tgt Ion:164 Resp: 103713
Ion Ratio Lower Upper
164 100
162 105.2 82.6 123.8
160 44.4 36.2 54.2

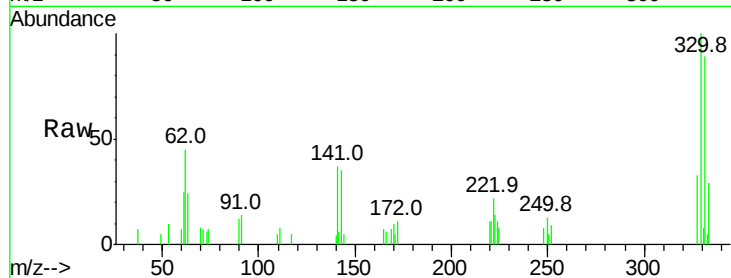




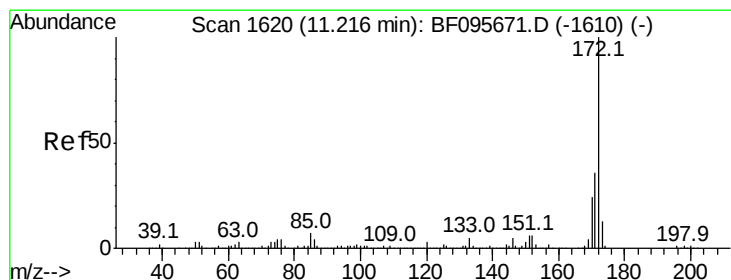
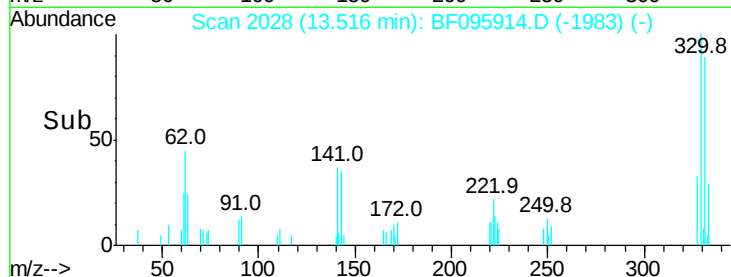
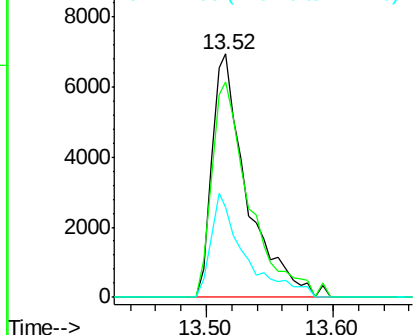
#41
 2,4,6-Tribromophenol
 Concen: 14.61 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095914.D
 Acq: 14 Jun 2017 2:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 13409
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.6 115.0
 141 41.3 31.4 47.2

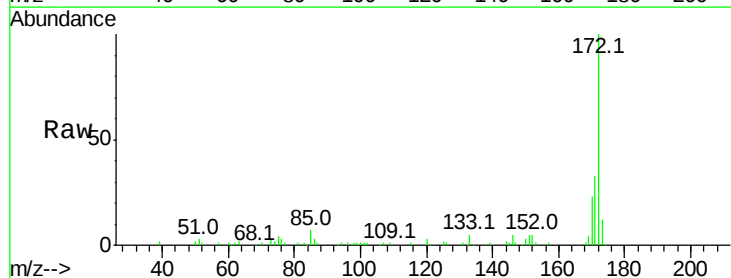


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

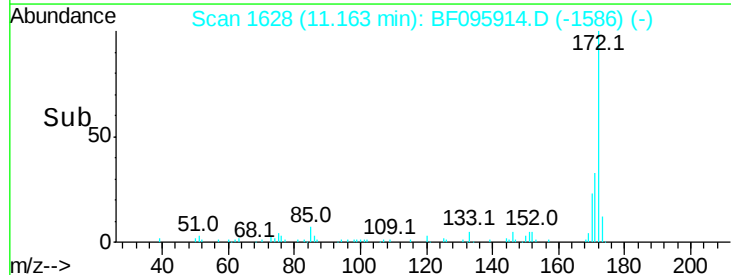
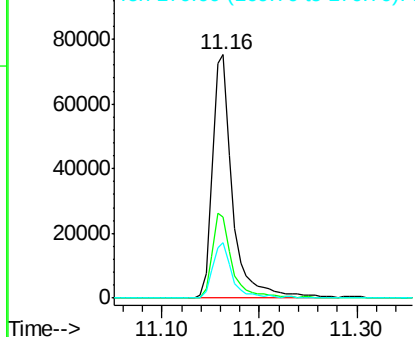


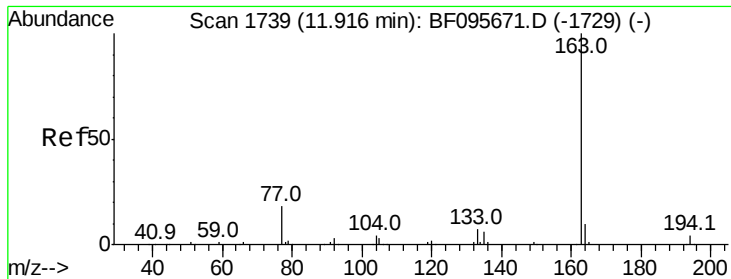
#44
 2-Fluorobiphenyl
 Concen: 14.37 ng
 RT: 11.16 min Scan# 1628
 Delta R.T. -0.05 min
 Lab File: BF095914.D
 Acq: 14 Jun 2017 2:11

Tgt Ion:172 Resp: 107105
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.6 44.4
 170 22.8 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: 2.64 ng

RT: 11.86 min Scan# 1747

Delta R.T. -0.05 min

Lab File: BF095914.D

Acq: 14 Jun 2017 2:11

Instrument :

BNA_F

ClientSampleId :

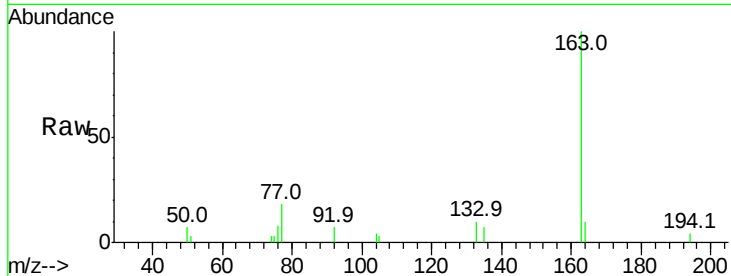
Tot Ion:163 Resp: 20756

Ion Ratio Lower Upper

163 100

194 4.4 2.6 4.0#

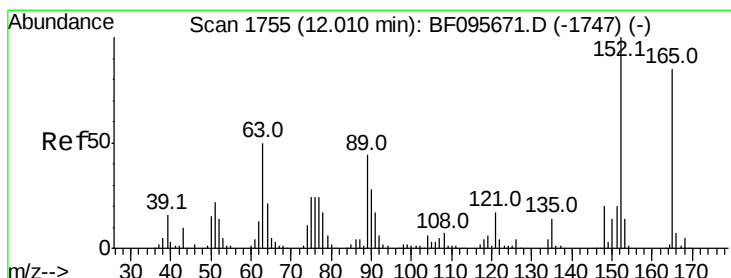
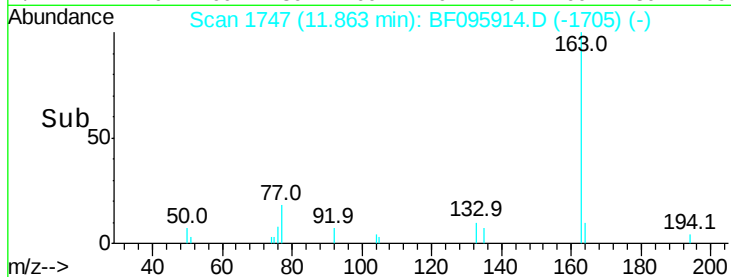
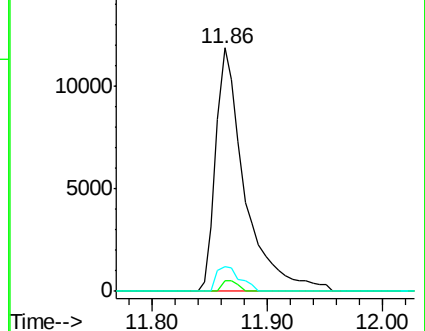
164 10.2 8.4 12.6



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: 7.35 ng

RT: 12.20 min Scan# 1805

Delta R.T. 0.19 min

Lab File: BF095914.D

Acq: 14 Jun 2017 2:11

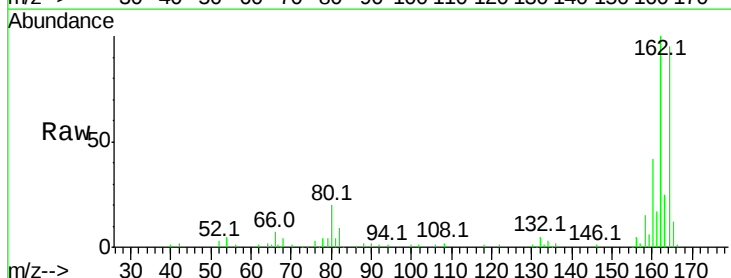
Tgt Ion:165 Resp: 12627

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

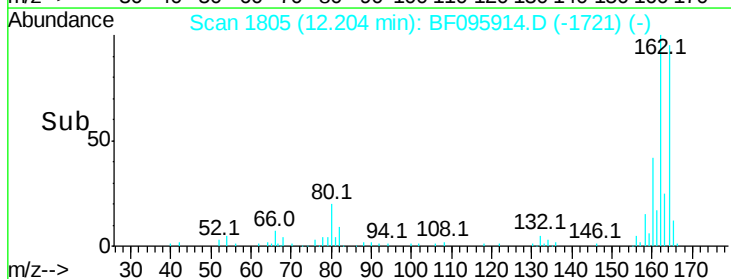
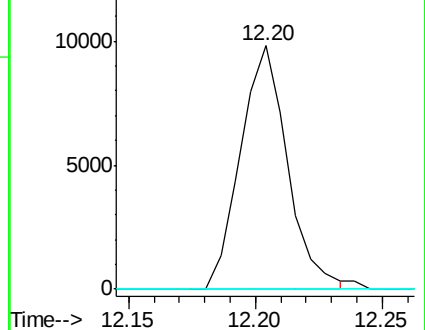
89 0.0 37.1 55.7#

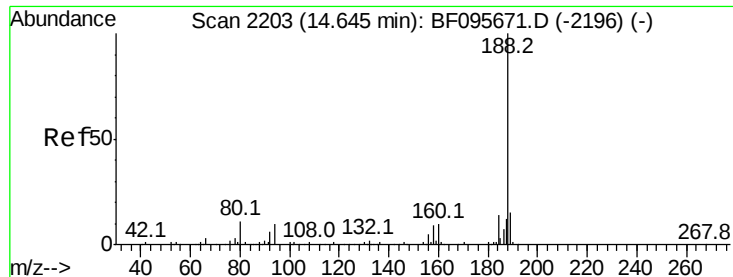


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

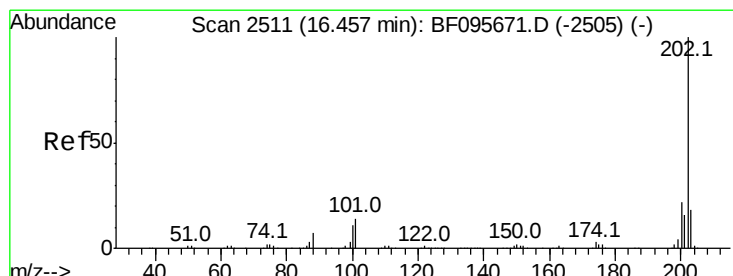
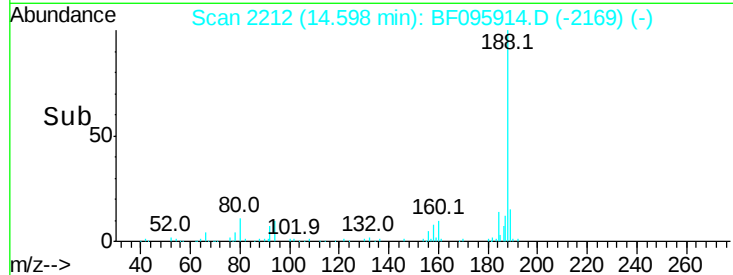
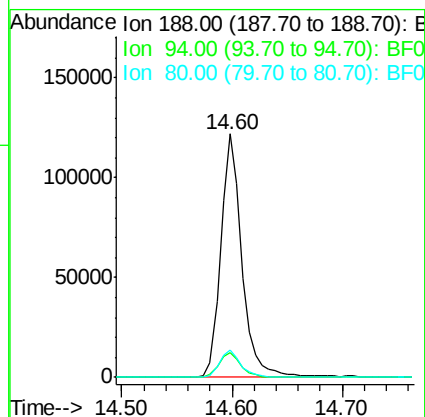
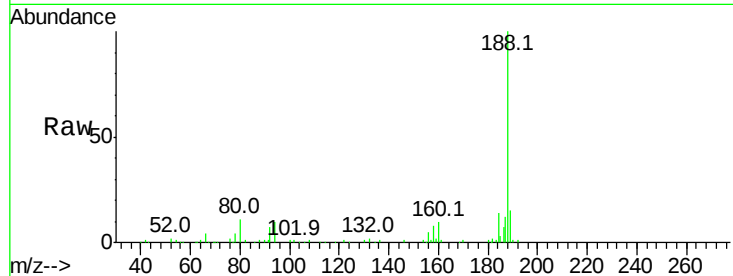




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF095914.D
Acq: 14 Jun 2017 2:11

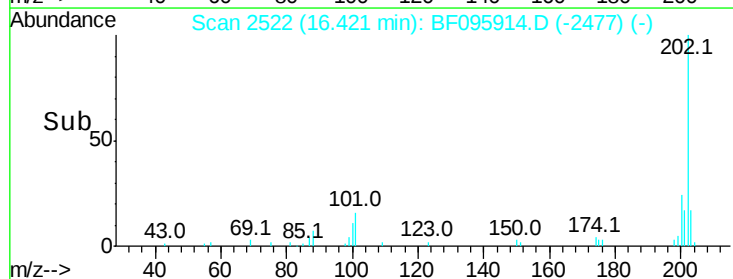
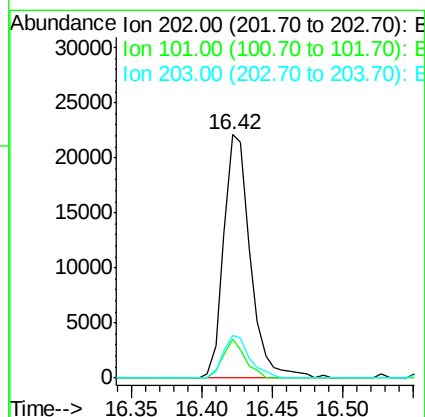
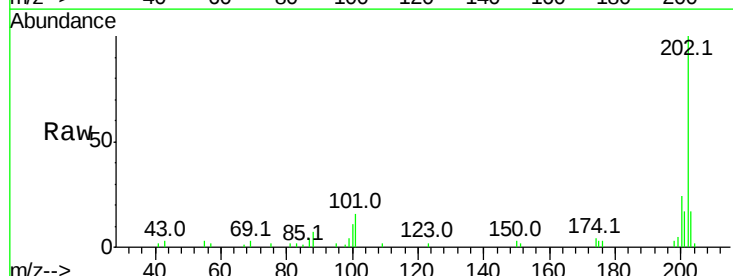
Instrument :
BNA_F
ClientSampleId :

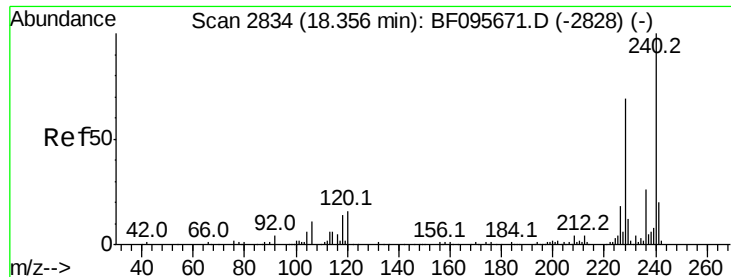
Tot Ion:188 Resp: 162183
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 11.2 10.2 15.2



#74
Fluoranthene
Concen: 3.13 ng
RT: 16.42 min Scan# 2522
Delta R.T. -0.04 min
Lab File: BF095914.D
Acq: 14 Jun 2017 2:11

Tgt Ion:202 Resp: 28986
Ion Ratio Lower Upper
202 100
101 16.1 0.0 33.2
203 17.5 0.0 38.1

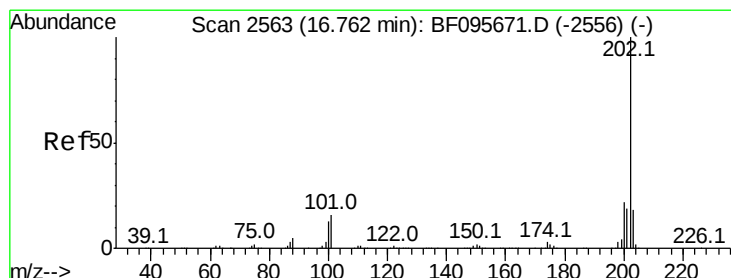
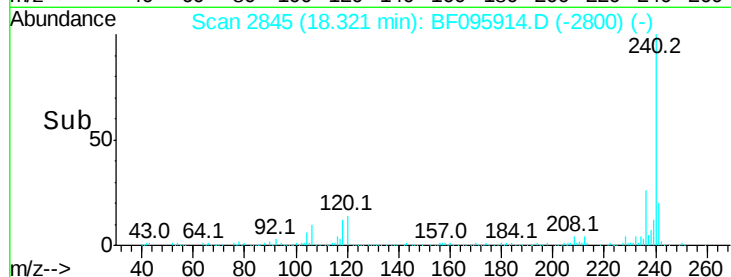
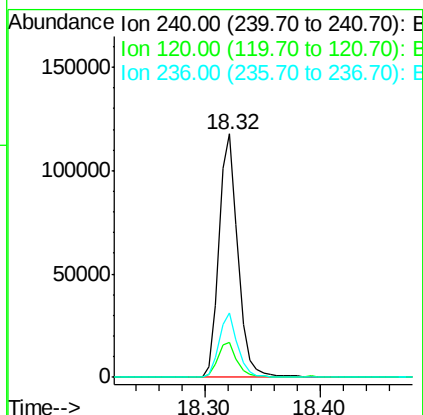
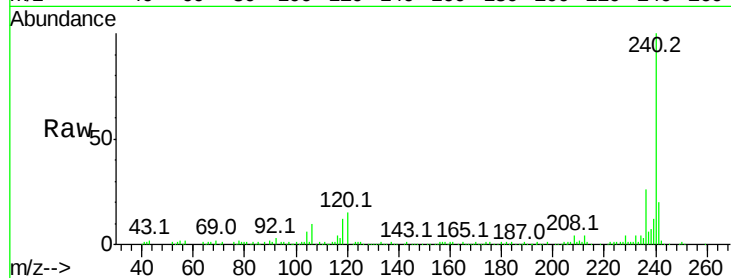




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.32 min Scan# 2845
Delta R.T. -0.04 min
Lab File: BF095914.D
Acq: 14 Jun 2017 2:11

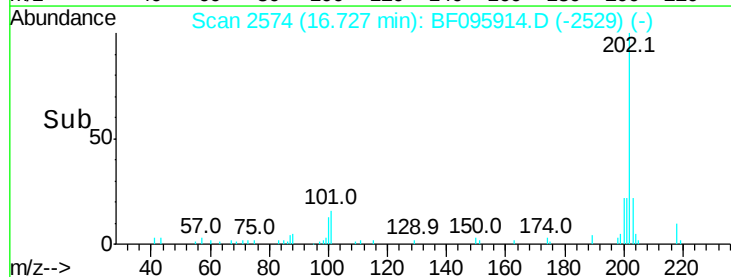
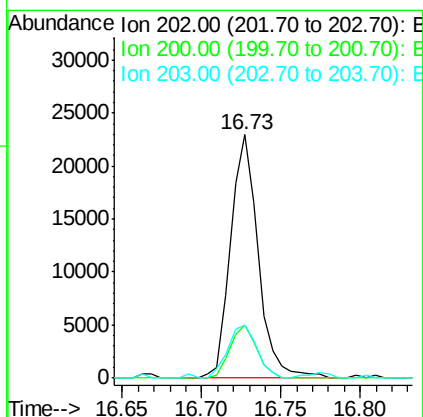
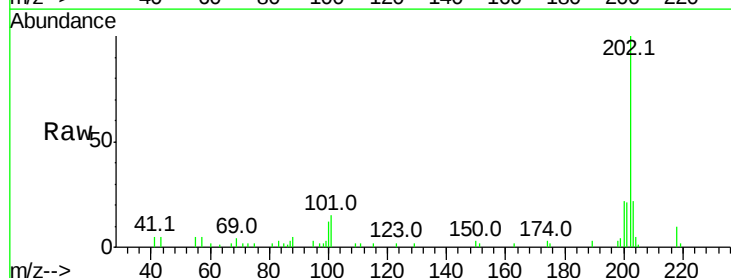
Instrument :
BNA_F
ClientSampleId :

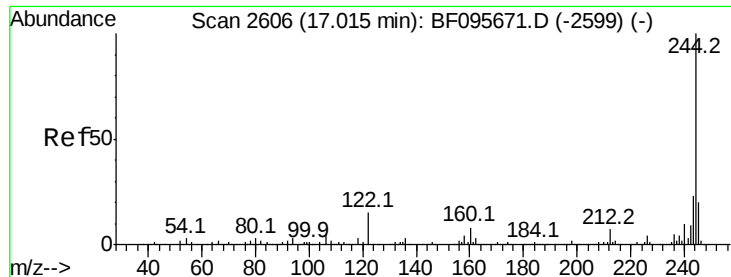
Tot Ion:240 Resp: 133846
Ion Ratio Lower Upper
240 100
120 14.6 5.8 8.8#
236 26.2 20.5 30.7



#77
Pyrene
Concen: 2.78 ng
RT: 16.73 min Scan# 2574
Delta R.T. -0.04 min
Lab File: BF095914.D
Acq: 14 Jun 2017 2:11

Tgt Ion:202 Resp: 27718
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 21.7 14.4 21.6#





#78

Terphenyl-d14

Concen: 13.94 ng

RT: 16.97 min Scan# 2615

Delta R.T. -0.05 min

Lab File: BF095914.D

Acq: 14 Jun 2017 2:11

Instrument :

BNA_F

ClientSampled :

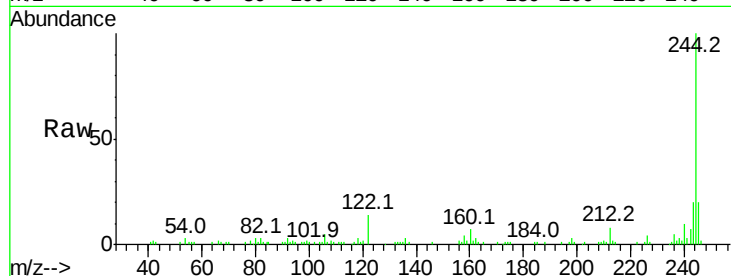
Tot Ion:244 Resp: 75208

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

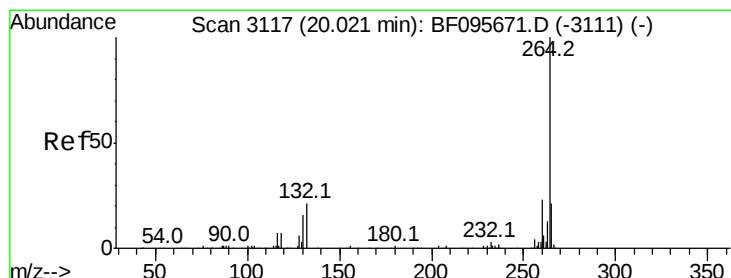
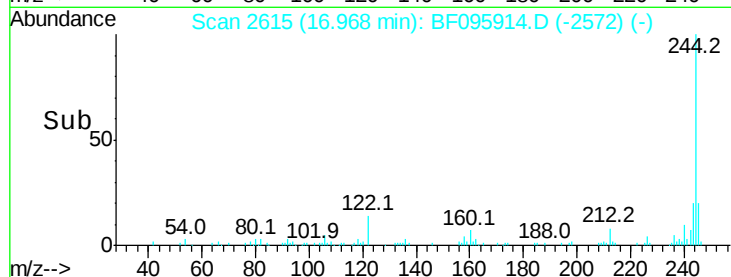
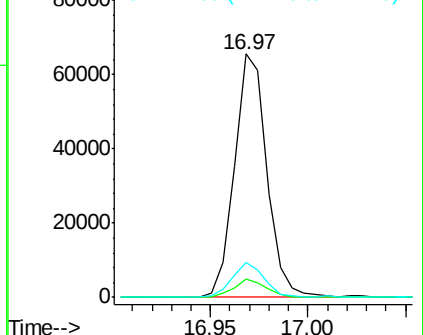
122 14.3 10.3 15.5



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: 19.99 min Scan# 3129

Delta R.T. -0.03 min

Lab File: BF095914.D

Acq: 14 Jun 2017 2:11

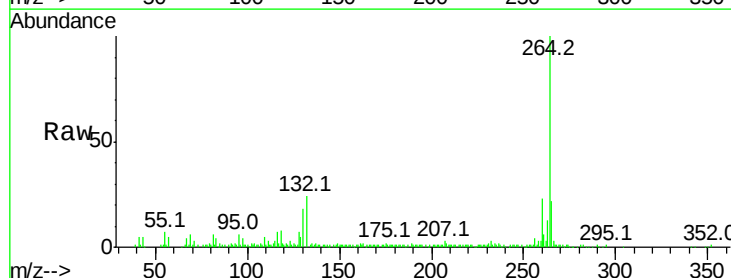
Tgt Ion:264 Resp: 96477

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

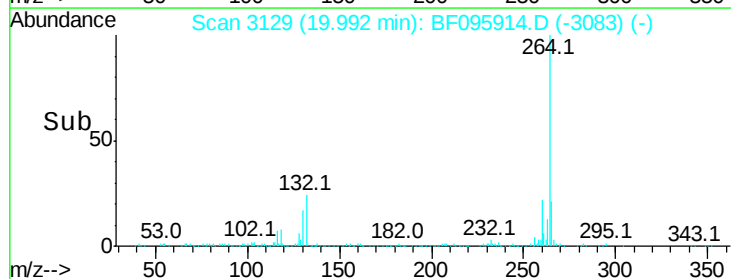
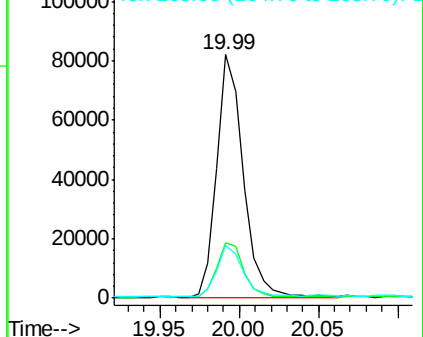
265 22.0 17.2 25.8

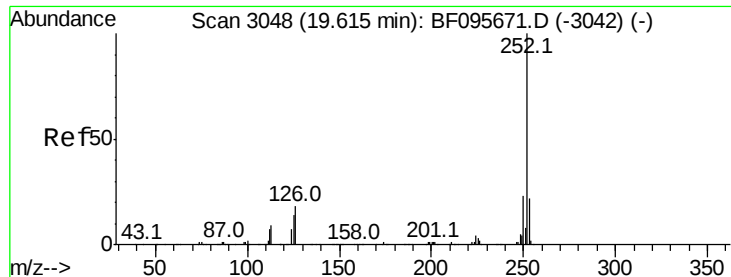


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.57 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.02 min

Lab File: BF095914.D

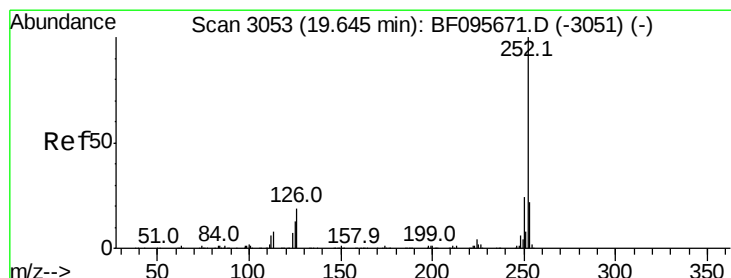
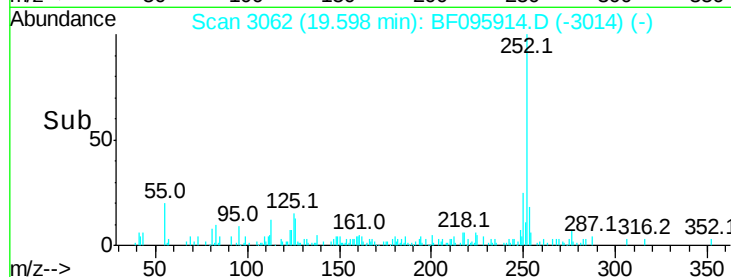
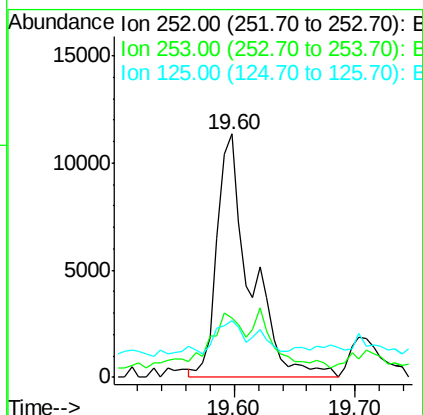
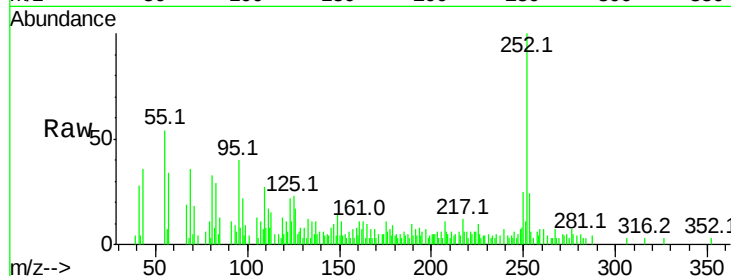
Acq: 14 Jun 2017 2:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	21563
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.1	27.1
125	23.2	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 3.73 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.05 min

Lab File: BF095914.D

Acq: 14 Jun 2017 2:11

Tgt Ion:	252	Resp:	21563
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.4	27.6
125	23.2	13.1	19.7#

