

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095751.D
 Acq On : 7 Jun 2017 17:55
 Operator : SJ/MA
 Sample : I3479-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 04:06:43 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

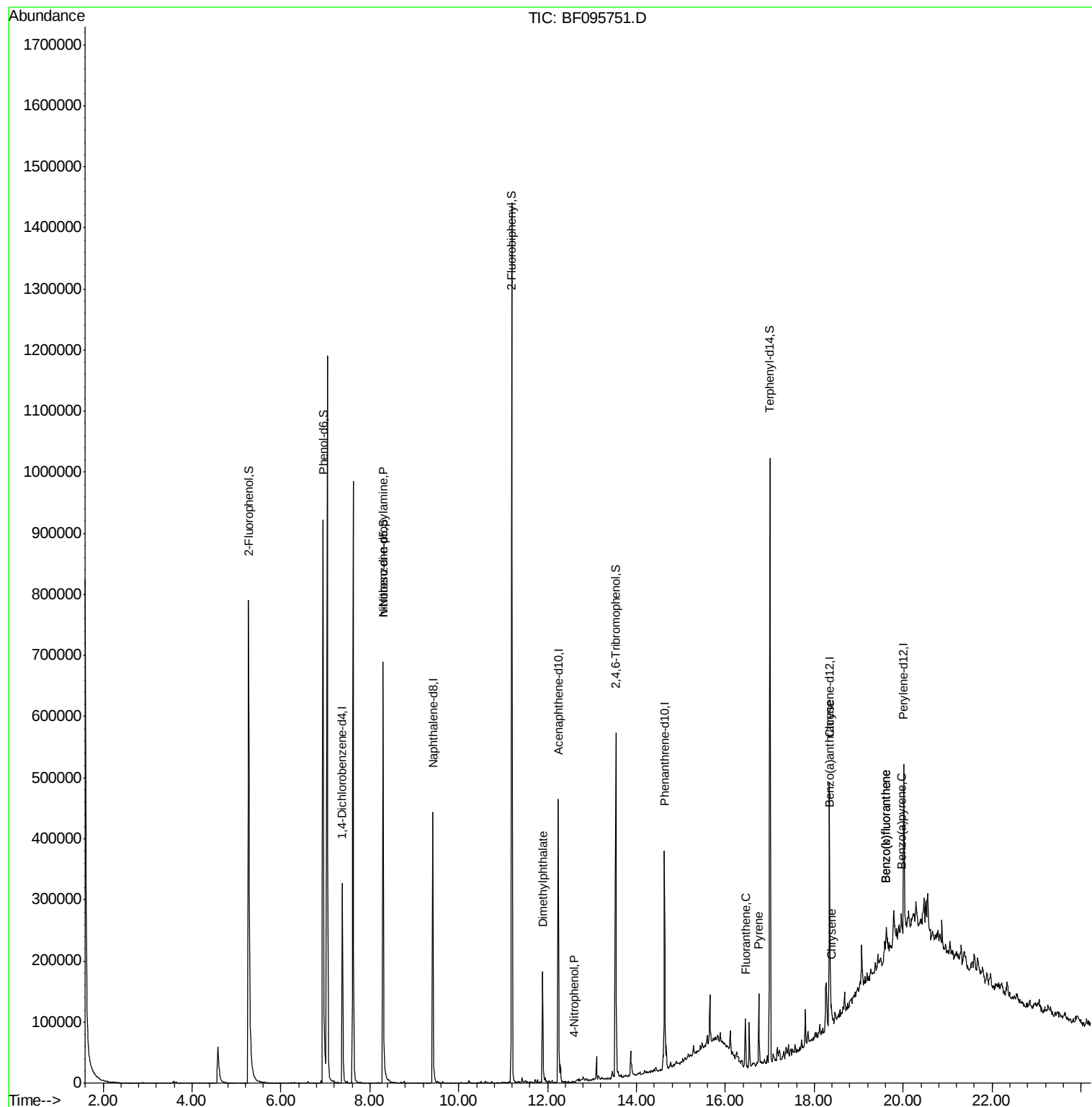
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	79432	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	301691	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	127478	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	189191	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	145782	20.00	ng	-0.01
86) Perylene-d12	20.01	264	112261	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	467160	93.72	ng	-0.02
7) Phenol-d6	6.95	99	568779	95.31	ng	-0.01
23) Nitrobenzene-d5	8.30	82	331672	68.28	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	93730	83.10	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	628206	68.58	ng	-0.02
78) Terphenyl-d14	17.00	244	366893	62.46	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.30	70	41595	11.00	ng	# 73
49) Dimethylphthalate	11.89	163	107346	11.09	ng	97
55) 4-Nitrophenol	12.60	139	154	4.73	ng	# 25
74) Fluoranthene	16.45	202	40599	3.76	ng	98
77) Pyrene	16.75	202	35474	3.26	ng	# 95
80) Benzo(a)anthracene	18.33	228	18653	2.20	ng	# 94
82) Chrysene	18.38	228	17778	2.10	ng	# 93
87) Benzo(b)fluoranthene	19.61	252	26931	3.83	ng	# 86
88) Benzo(k)fluoranthene	19.61	252	26931	4.01	ng	# 90
89) Benzo(a)pyrene	19.97	252	13099	2.03	ng	# 77

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

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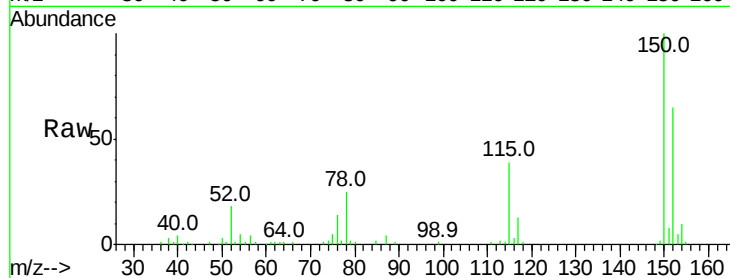


#1

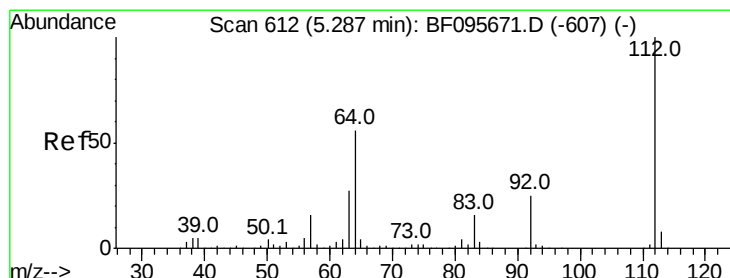
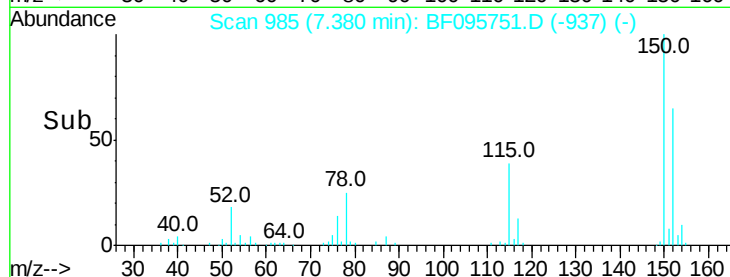
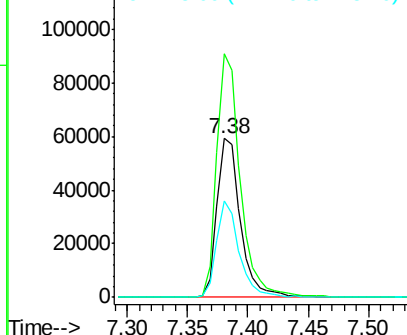
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79432
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.2
115 60.3 52.2 78.2



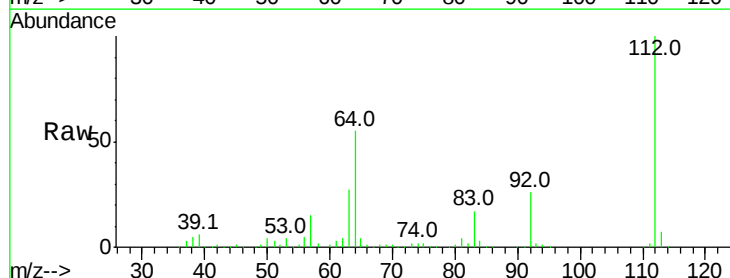
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



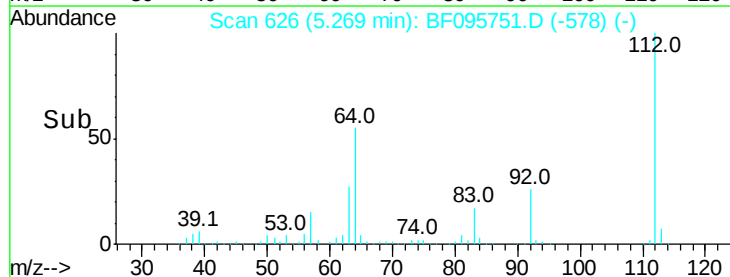
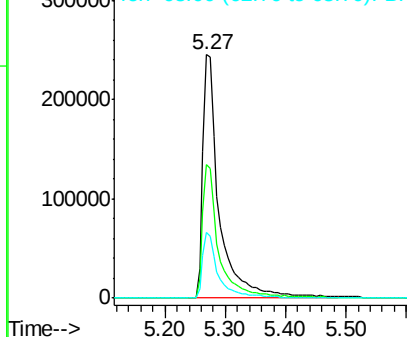
#5

2-Fluorophenol
Concen: 93.72 ng
RT: 5.27 min Scan# 626
Delta R.T. -0.02 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Tgt Ion:112 Resp: 467160
Ion Ratio Lower Upper
112 100
64 54.6 46.0 69.0
63 27.1 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: 95.31 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095751.D

Acq: 7 Jun 2017 17:55

Instrument :

BNA_F

ClientSampled :

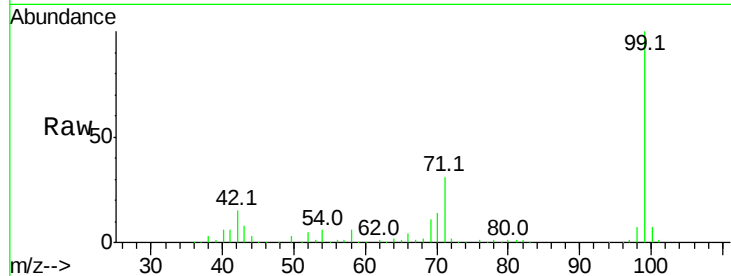
Tot Ion: 99 Resp: 568779

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

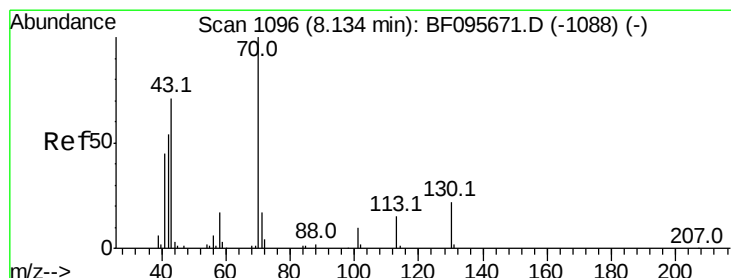
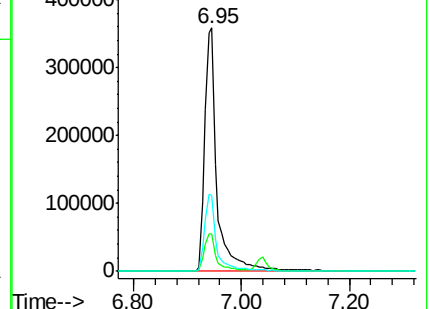
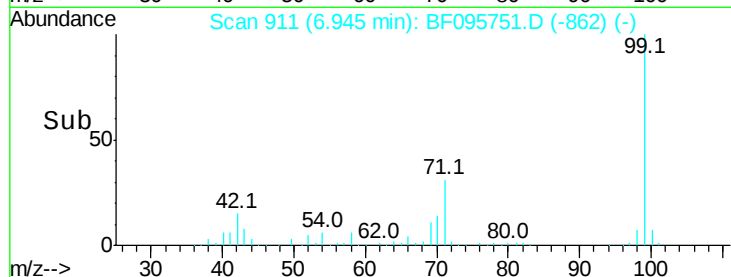
71 31.2 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.00 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095751.D

Acq: 7 Jun 2017 17:55

Tgt Ion: 70 Resp: 41595

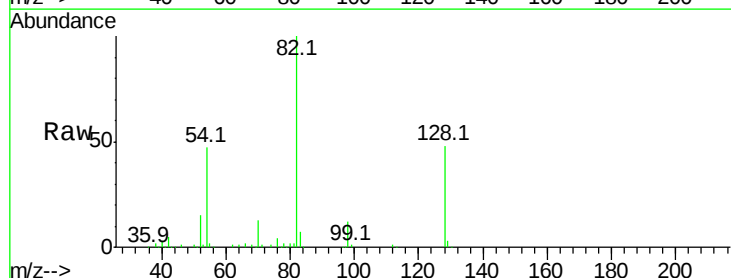
Ion Ratio Lower Upper

70 100

42 41.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

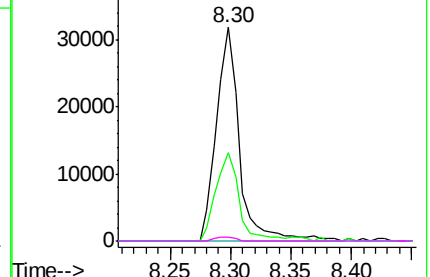
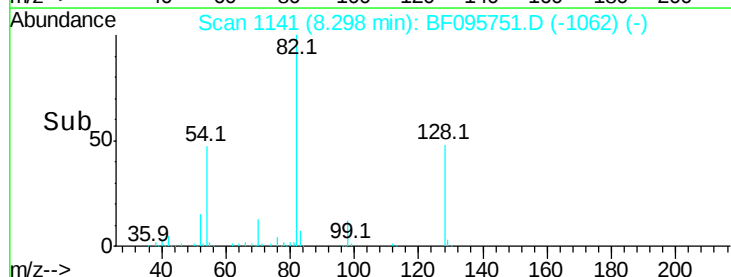


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.42 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095751.D

Acq: 7 Jun 2017 17:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 301691

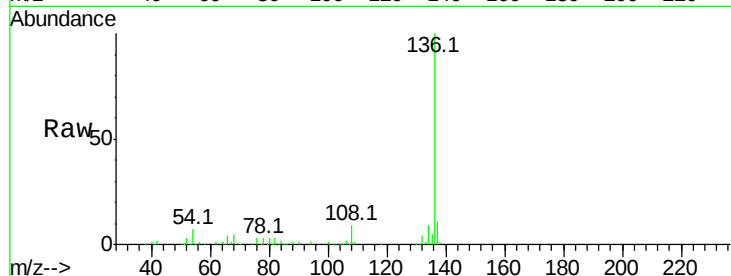
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.8 4.9 7.3

68 5.2 4.1 6.1

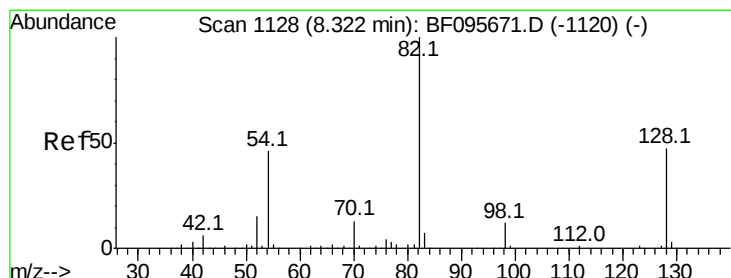
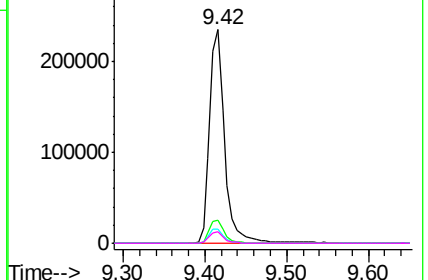
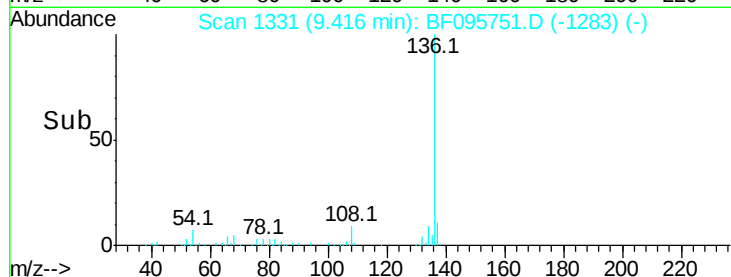


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.28 ng

RT: 8.30 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF095751.D

Acq: 7 Jun 2017 17:55

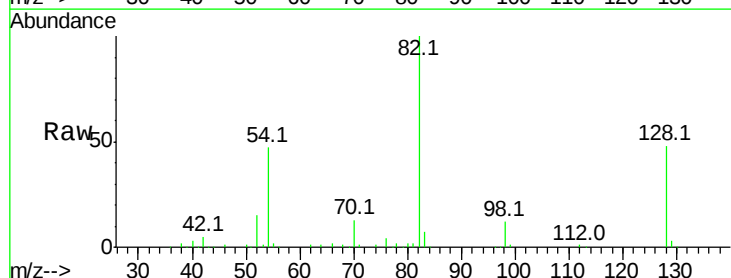
Tgt Ion: 82 Resp: 331672

Ion Ratio Lower Upper

82 100

128 48.0 34.0 51.0

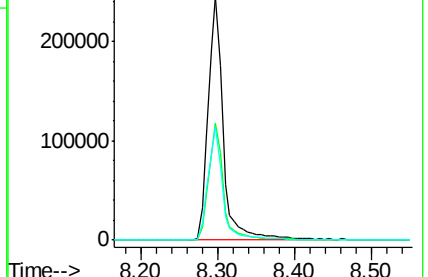
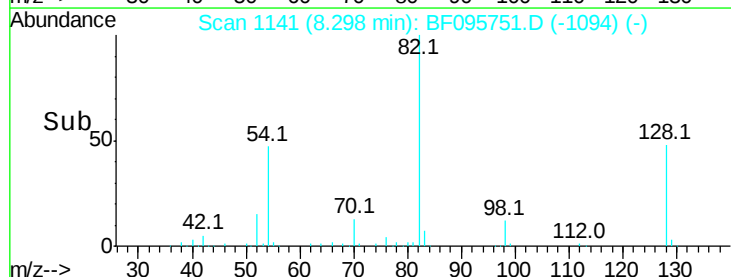
54 46.6 42.2 63.2



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: 12.24 min Scan# 1811

Delta R.T. -0.02 min

Lab File: BF095751.D

Acq: 7 Jun 2017 17:55

Instrument :

BNA_F

ClientSampleId :

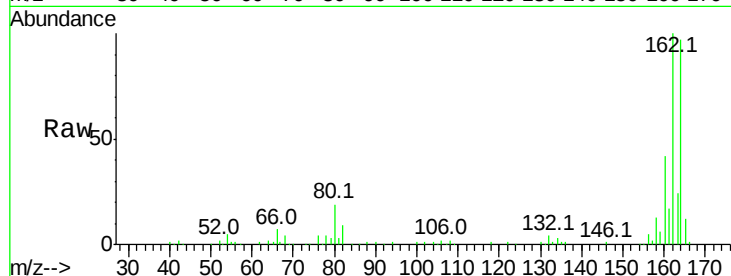
Tot Ion:164 Resp: 127478

Ion Ratio Lower Upper

164 100

162 103.3 82.6 123.8

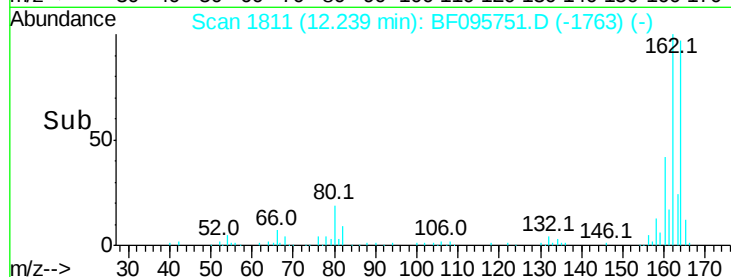
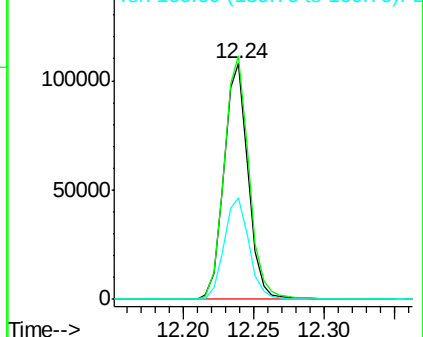
160 42.9 36.2 54.2



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: 83.10 ng

RT: 13.53 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF095751.D

Acq: 7 Jun 2017 17:55

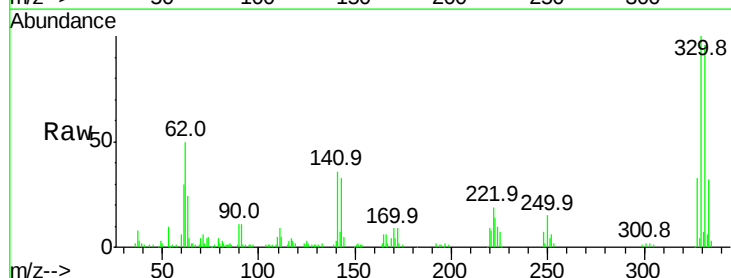
Tgt Ion:330 Resp: 93730

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

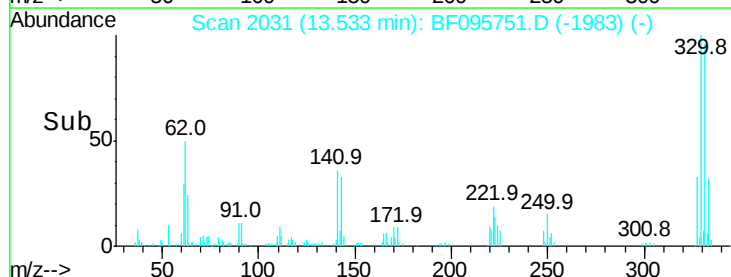
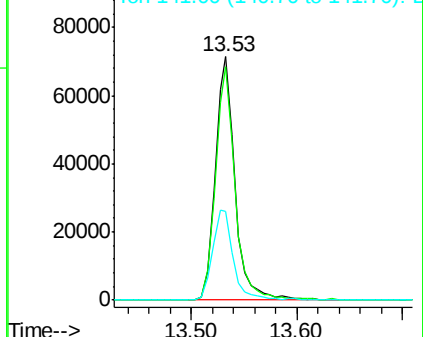
141 38.7 31.4 47.2



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

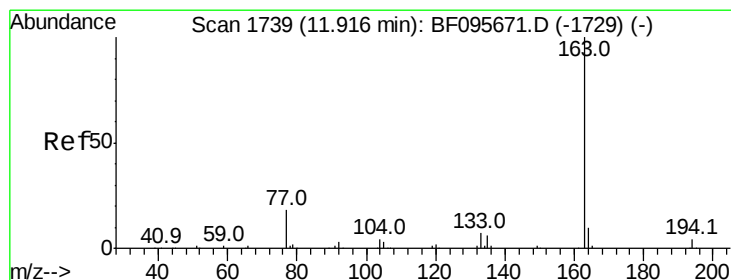
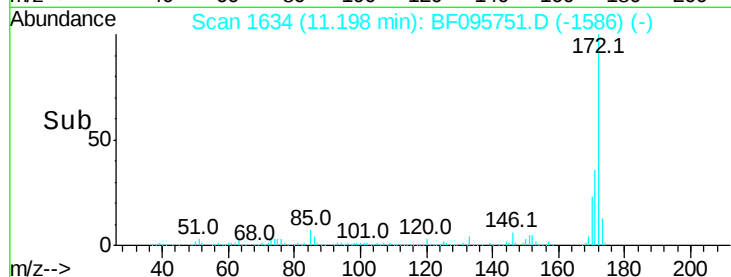
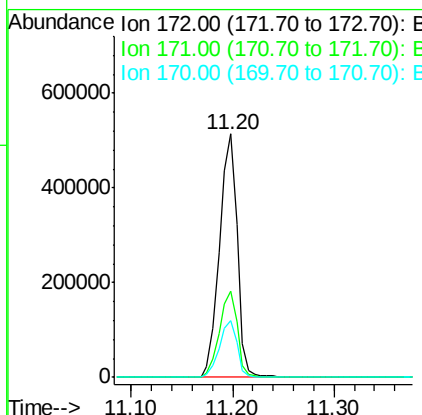
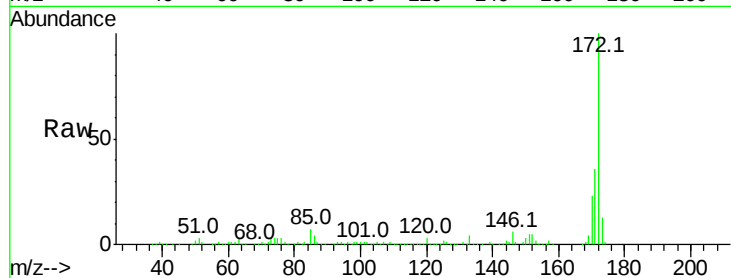




#44
2-Fluorobiphenyl
Concen: 68.58 ng
RT: 11.20 min Scan# 1634
Delta R.T. -0.02 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

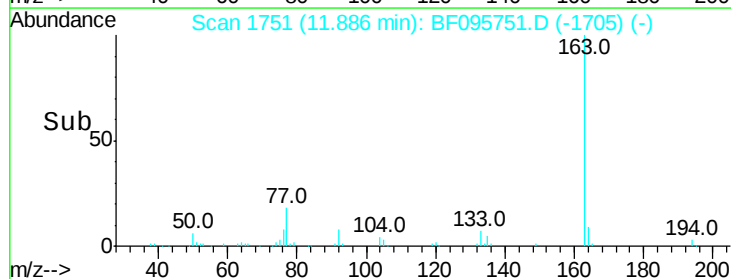
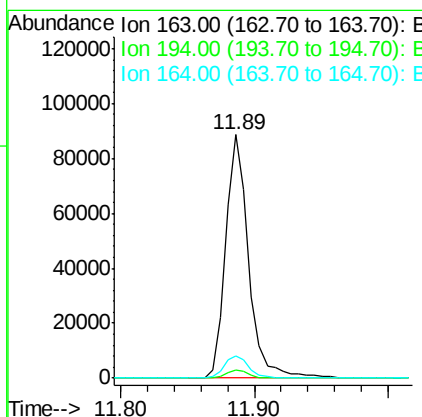
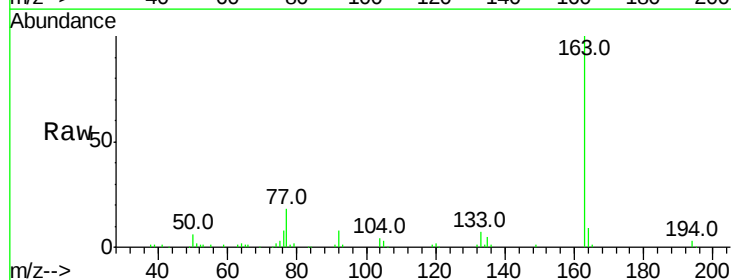
Instrument :
BNA_F
ClientSampleId :

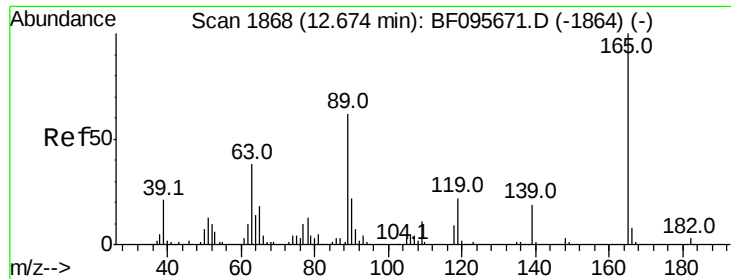
Tot Ion:172 Resp: 628206
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 11.09 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Tgt Ion:163 Resp: 107346
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.3 8.4 12.6

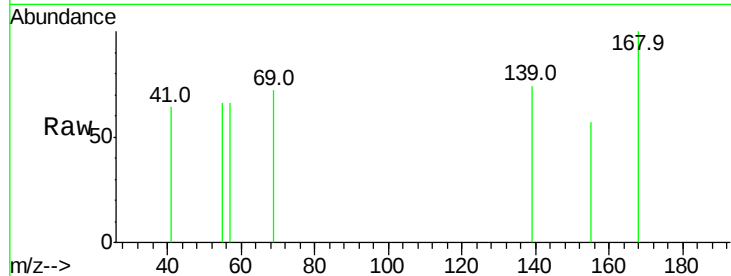




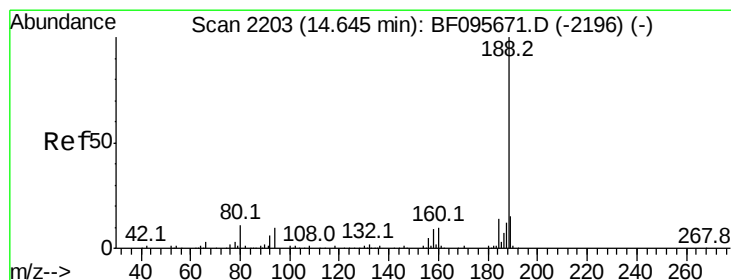
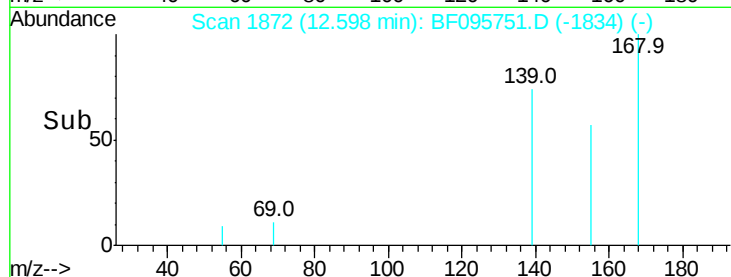
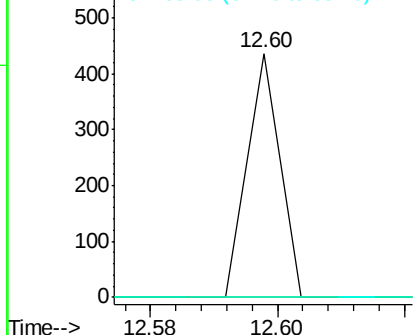
#55
4-Nitrophenol
Concen: 4.73 ng
RT: 12.60 min Scan# 1872
Delta R.T. -0.08 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 154
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

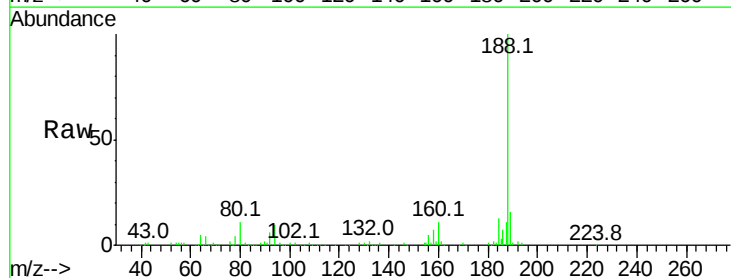


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

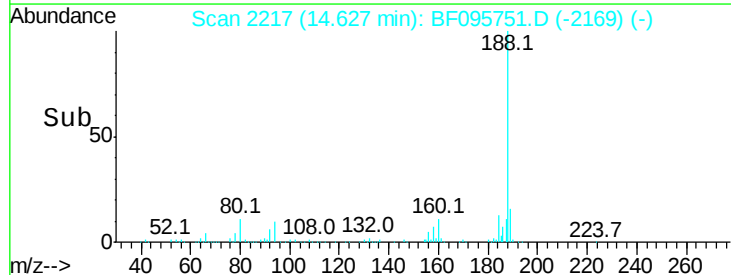
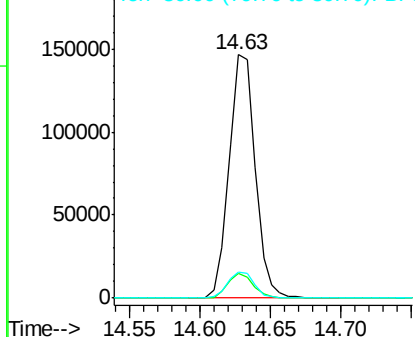


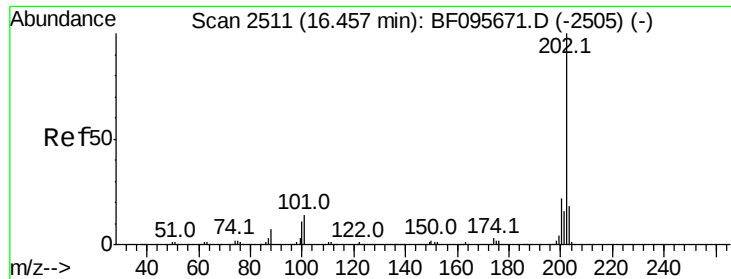
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Tgt Ion:188 Resp: 189191
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 10.7 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

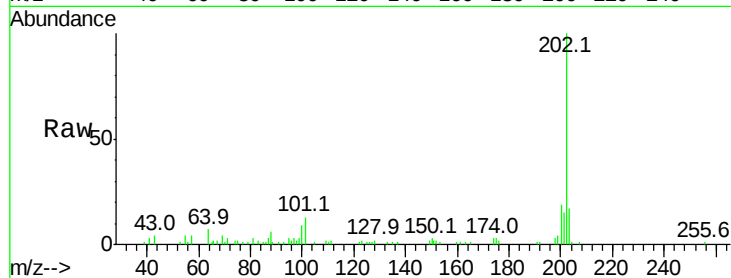




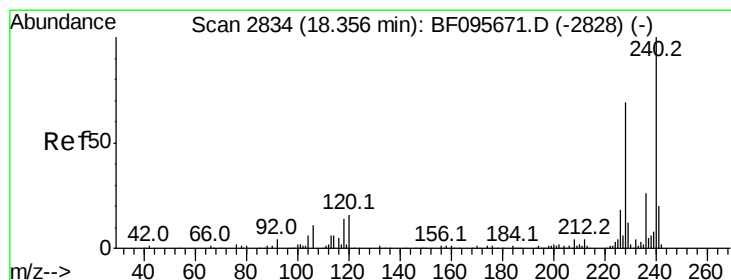
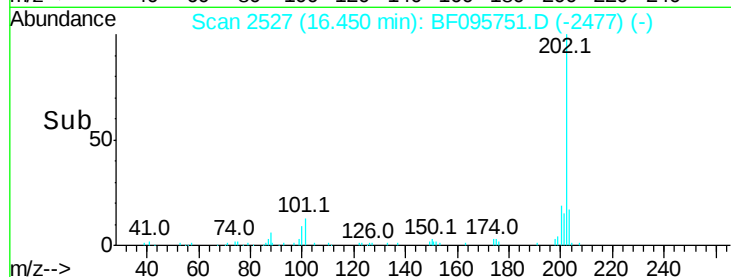
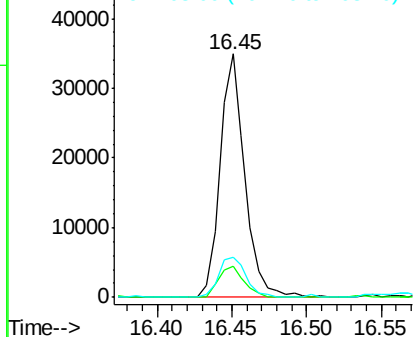
#74
Fluoranthene
Concen: 3.76 ng
RT: 16.45 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 40599
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.2
203 16.6 0.0 38.1

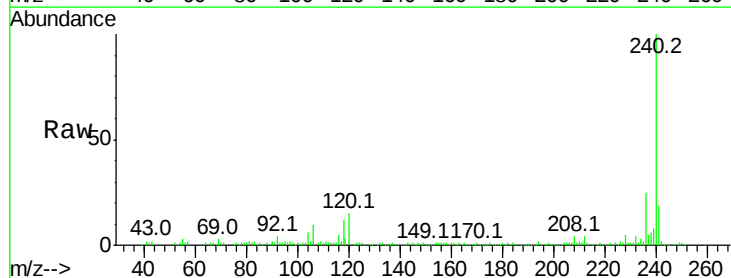


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

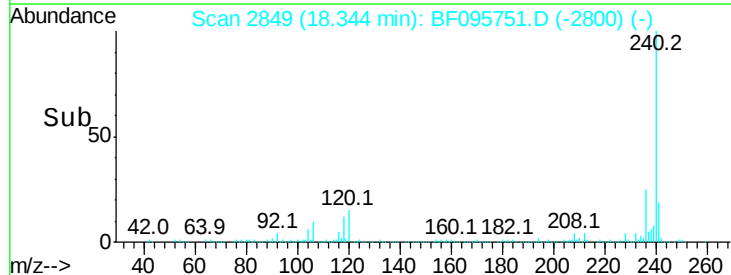
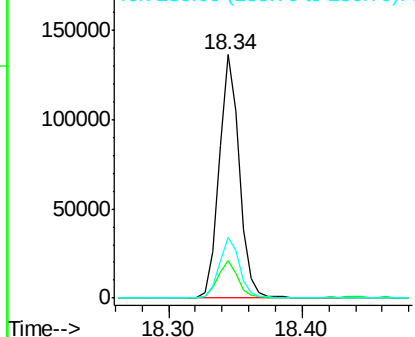


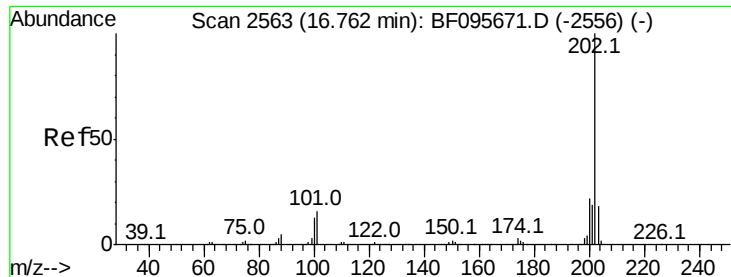
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.34 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Tgt Ion:240 Resp: 145782
Ion Ratio Lower Upper
240 100
120 15.3 5.8 8.8#
236 24.8 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

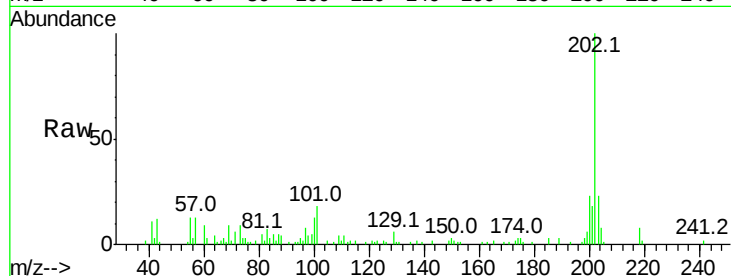




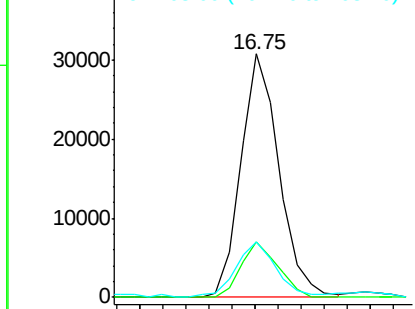
#77
Pvrene
Concen: 3.26 ng
RT: 16.75 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Instrument :
BNA_F
ClientSampleId :

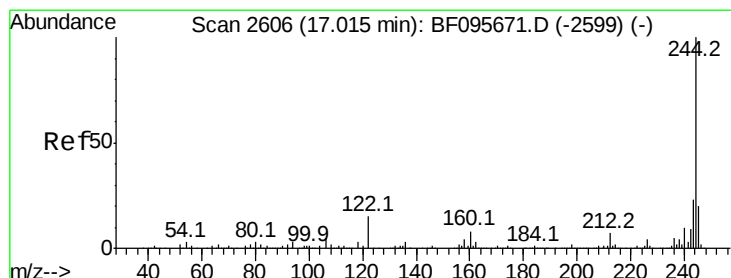
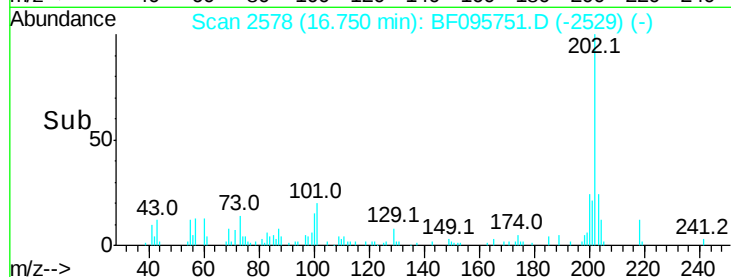
Tot Ion:202 Resp: 35474
Ion Ratio Lower Upper
202 100
200 22.7 17.6 26.4
203 22.6 14.4 21.6#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

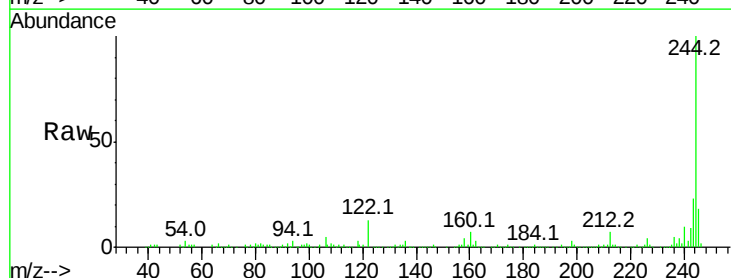


Time--> 16.70 16.75 16.80

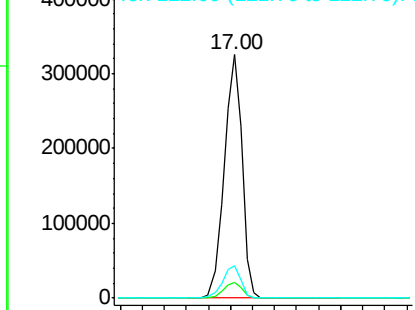


#78
Terphenyl-d14
Concen: 62.46 ng
RT: 17.00 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

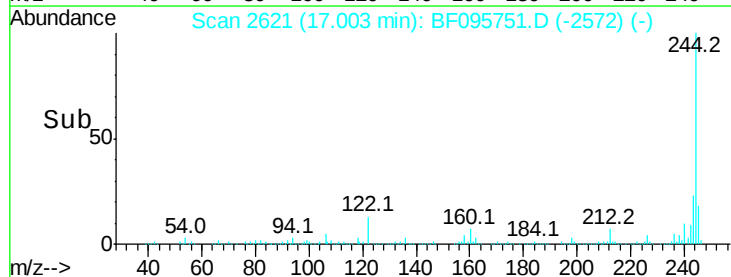
Tgt Ion:244 Resp: 366893
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 13.5 10.3 15.5

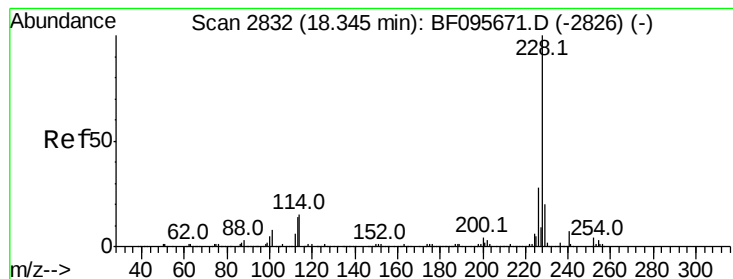


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 16.90 17.00 17.10





#80

Benzo(a)anthracene

Concen: 2.20 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095751.D

Acq: 7 Jun 2017 17:55

Instrument :

BNA_F

ClientSampleId :

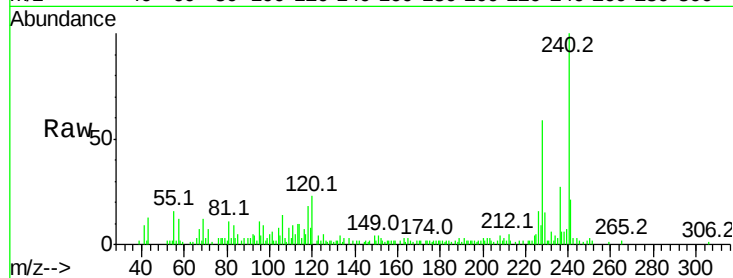
Tot Ion:228 Resp: 18653

Ion Ratio Lower Upper

228 100

226 27.0 22.6 33.8

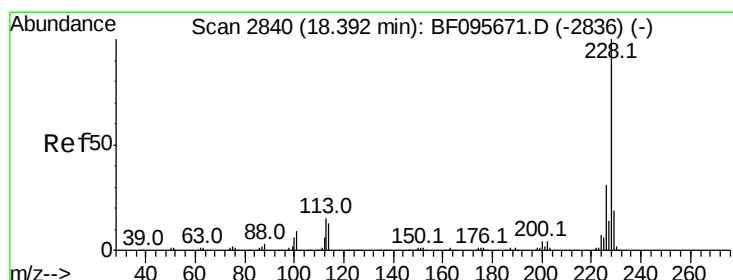
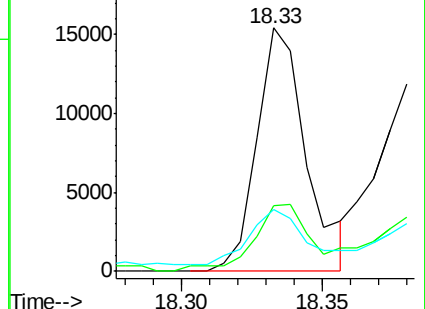
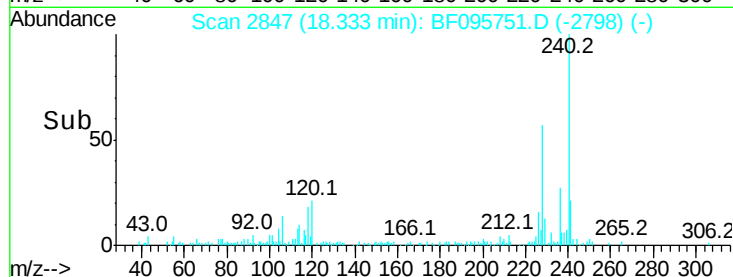
229 25.4 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.10 ng

RT: 18.38 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BF095751.D

Acq: 7 Jun 2017 17:55

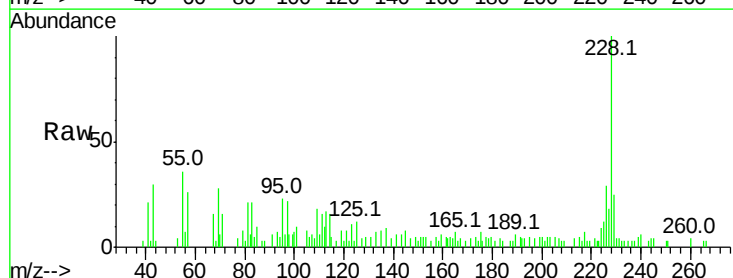
Tgt Ion:228 Resp: 17778

Ion Ratio Lower Upper

228 100

226 28.7 24.9 37.3

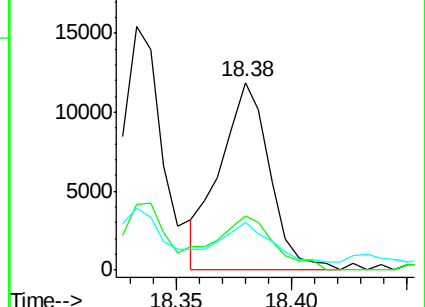
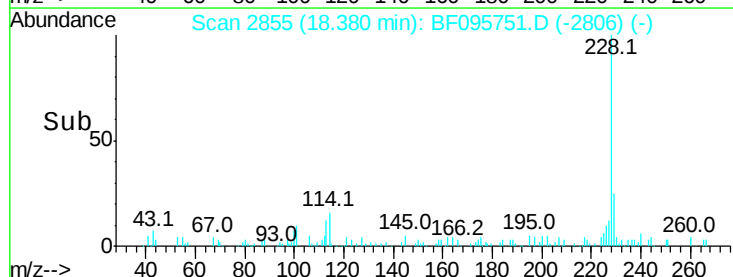
229 25.2 15.8 23.6#

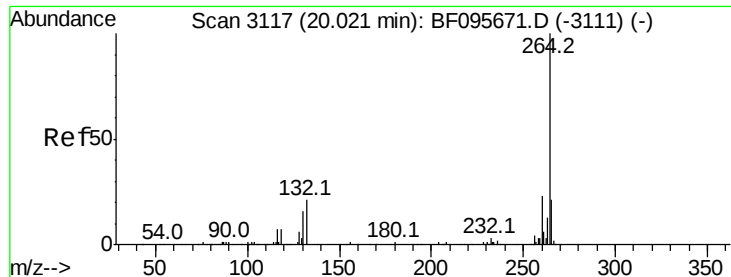


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

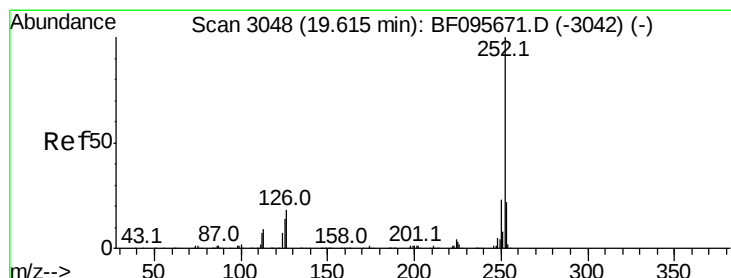
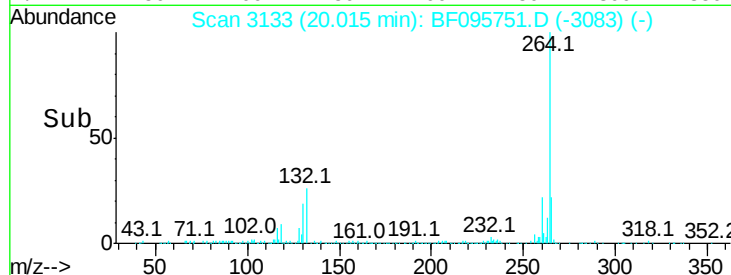
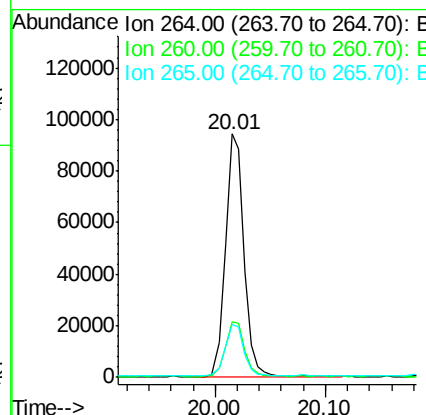
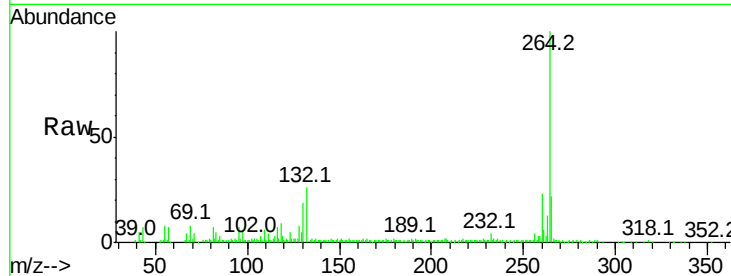




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

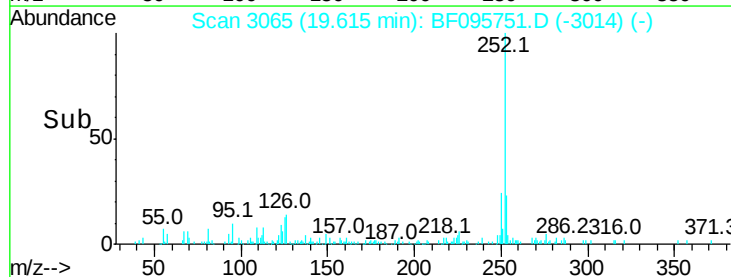
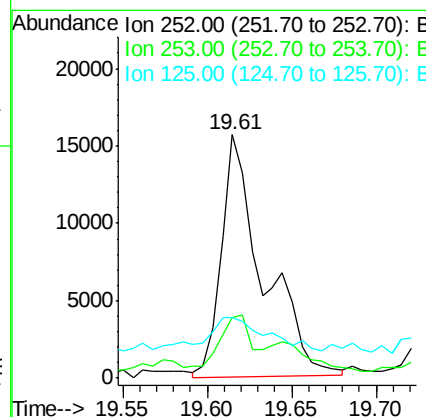
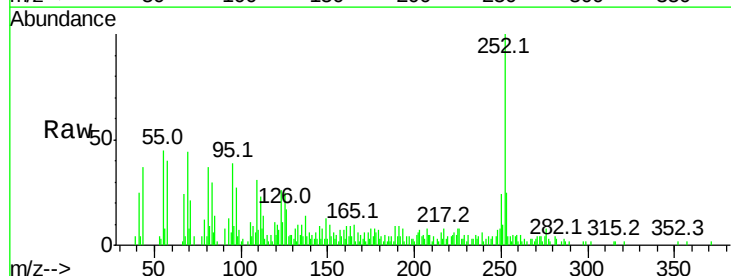
Instrument :
BNA_F
ClientSampleId :

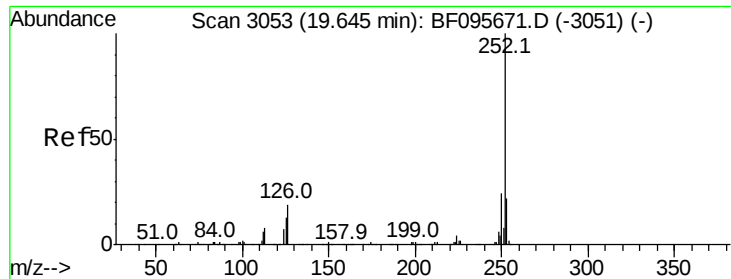
Tot Ion:264 Resp: 112261
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 21.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.83 ng
RT: 19.61 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Tgt Ion:252 Resp: 26931
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 25.1 9.8 14.8#

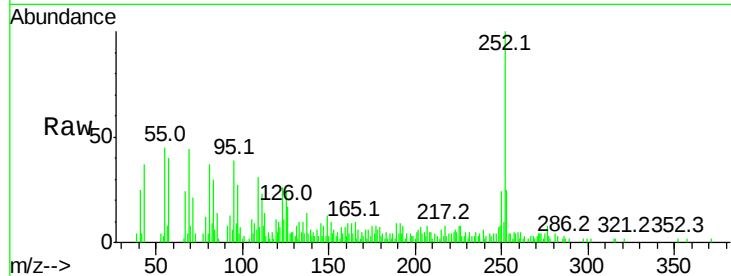




#88
Benzo(k)fluoranthene
Concen: 4.01 ng
RT: 19.61 min Scan# 3065
Delta R.T. -0.03 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	25.1	13.1	19.7#

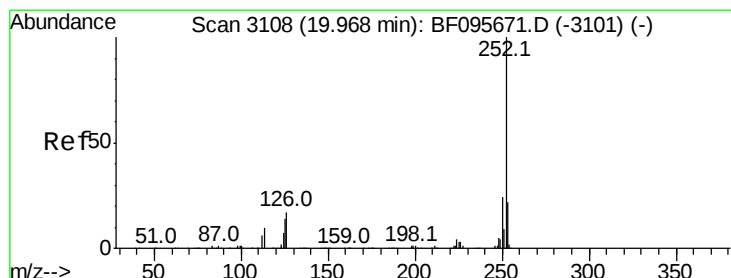
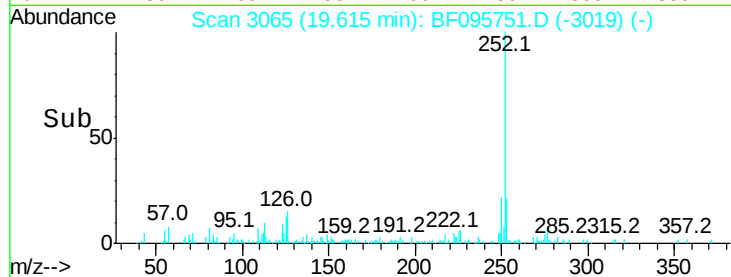
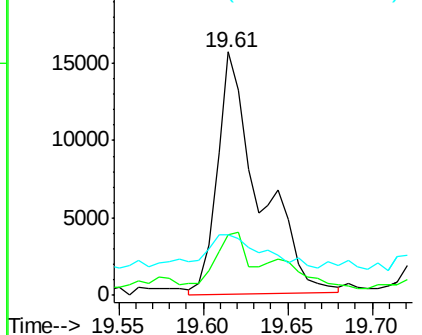


Abundance

Ion 252.00 (251.70 to 252.70): E

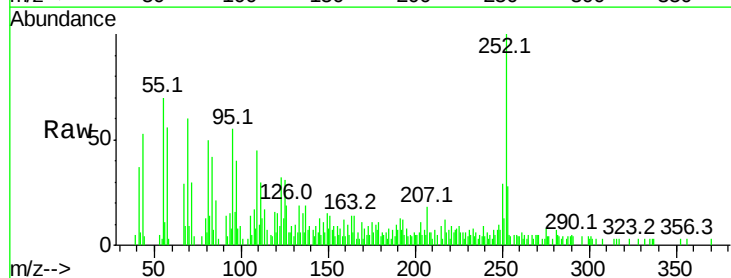
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.03 ng
RT: 19.97 min Scan# 3125
Delta R.T. -0.00 min
Lab File: BF095751.D
Acq: 7 Jun 2017 17:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.5	26.3#
125	30.5	11.0	16.4#



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

