

Data Path : Z:\HPCHEM1\BNA F\Data\BF060617\
 Data File : BF095742.D
 Acq On : 7 Jun 2017 11:29
 Operator : SJ/MA
 Sample : I3469-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-2)20170603

Quant Time: Jun 07 13:50:06 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

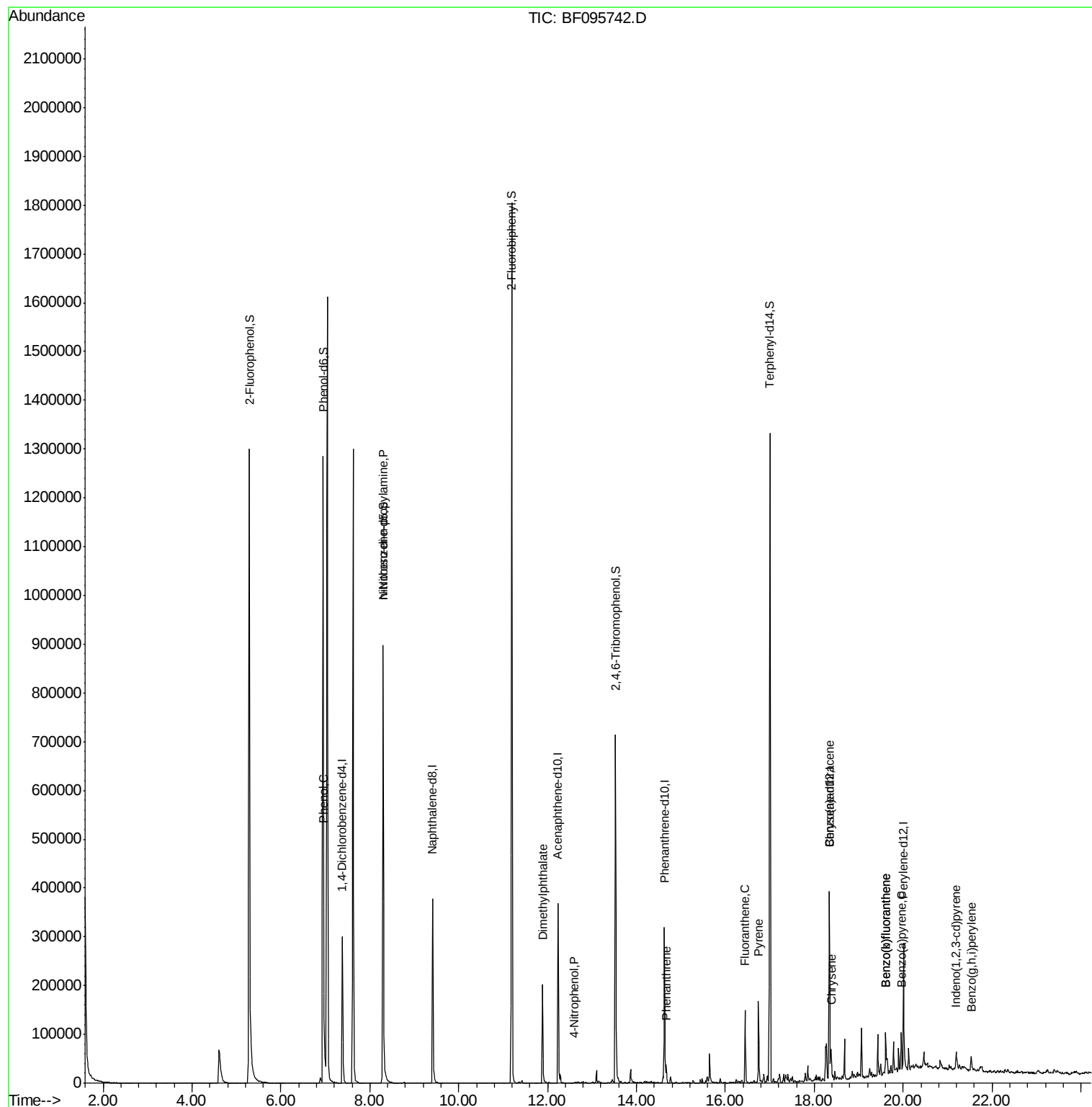
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	73462	20.00	ng	-0.01
21) Naphthalene-d8	9.41	136	276545	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	106908	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	161661	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	143465	20.00	ng	-0.01
86) Perylene-d12	20.01	264	99908	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	695412	150.84	ng	0.00
7) Phenol-d6	6.95	99	814433	147.56	ng	0.00
23) Nitrobenzene-d5	8.30	82	454343	102.03	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	120775	127.68	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	803402	104.58	ng	-0.02
78) Terphenyl-d14	17.00	244	518062	89.62	ng	-0.01
Target Compounds						
10) Phenol	6.96	94	12034	2.10	ng	# 74
19) n-Nitroso-di-n-propylamine	8.30	70	57450	16.43	ng	# 72
49) Dimethylphthalate	11.89	163	120050	14.79	ng	99
55) 4-Nitrophenol	12.60	139	227	4.80	ng	# 25
70) Phenanthrene	14.67	178	25161	2.70	ng	96
74) Fluoranthene	16.44	202	74674	8.09	ng	98
77) Pyrene	16.74	202	67579	6.31	ng	96
80) Benzo(a)anthracene	18.33	228	38578	4.63	ng	94
82) Chrysene	18.38	228	35613	4.27	ng	97
85) Indeno(1,2,3-cd)pyrene	21.19	276	21679	3.04	ng	97
87) Benzo(b)fluoranthene	19.61	252	45436	7.26	ng	97
88) Benzo(k)fluoranthene	19.61	252	45436	7.60	ng	96
89) Benzo(a)pyrene	19.96	252	32491	5.65	ng	97
91) Benzo(a,h,i)perylene	21.53	276	21880	4.40	ng	98

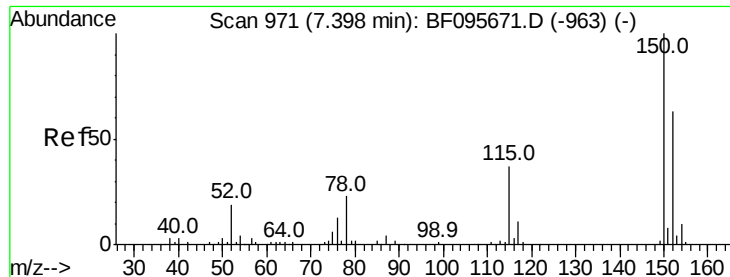
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.39 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)20170603

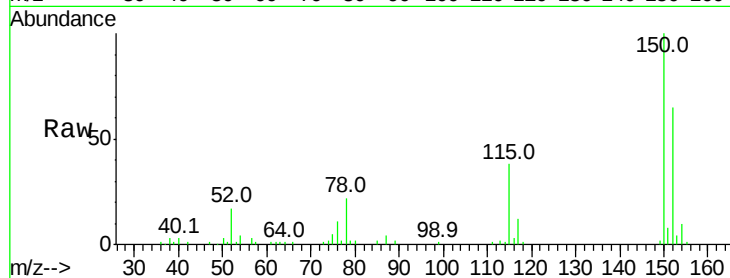
Tot Ion:152 Resp: 73462

Ion Ratio Lower Upper

152 100

150 154.2 126.2 189.2

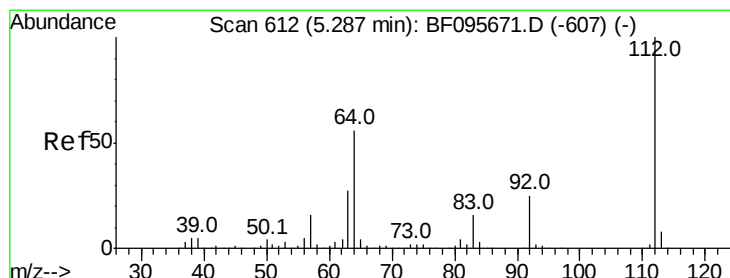
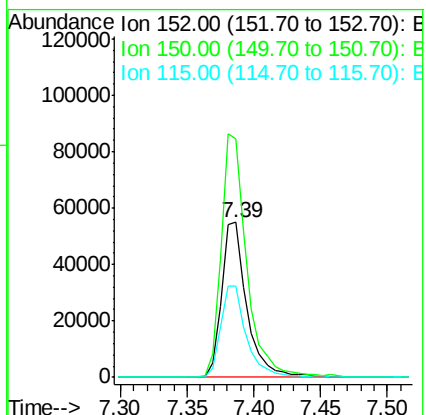
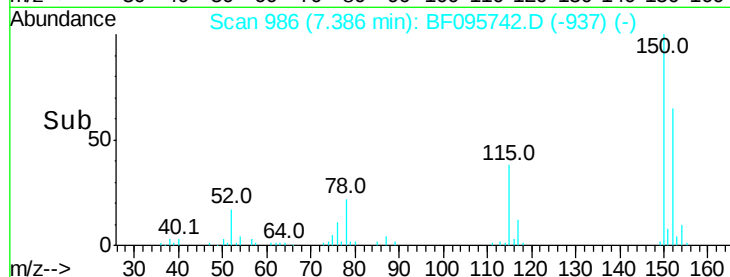
115 58.7 52.2 78.2



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: 150.84 ng

RT: 5.29 min Scan# 629

Delta R.T. 0.00 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

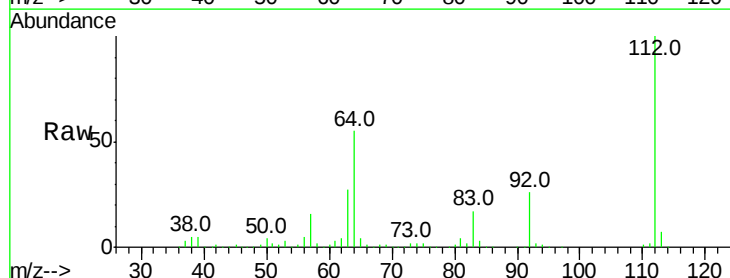
Tgt Ion:112 Resp: 695412

Ion Ratio Lower Upper

112 100

64 55.0 46.0 69.0

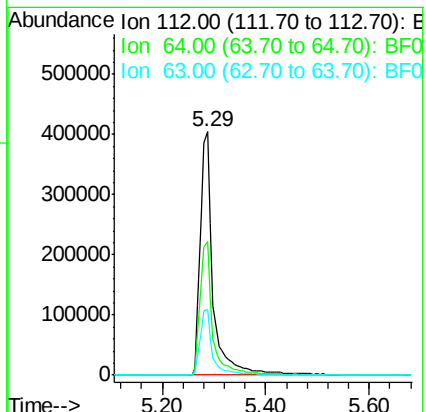
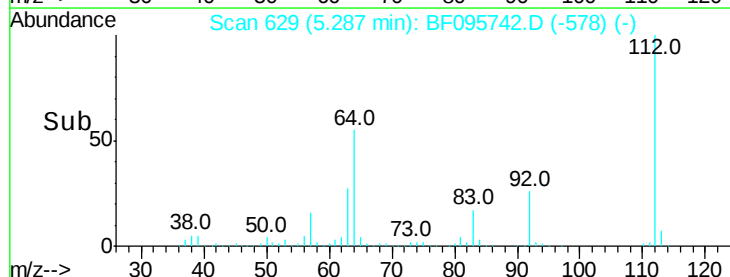
63 27.0 23.4 35.0



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: 147.56 ng

RT: 6.95 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)20170603

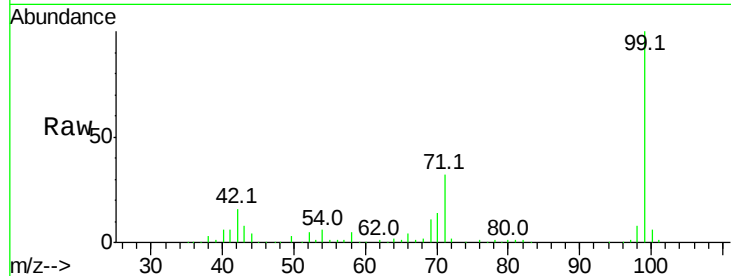
Tot Ion: 99 Resp: 814433

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

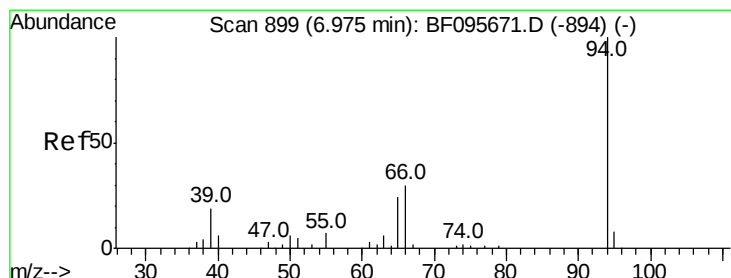
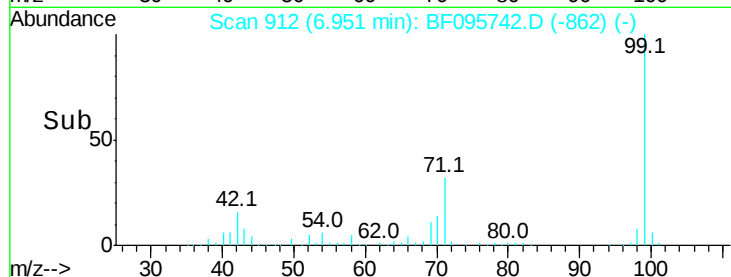
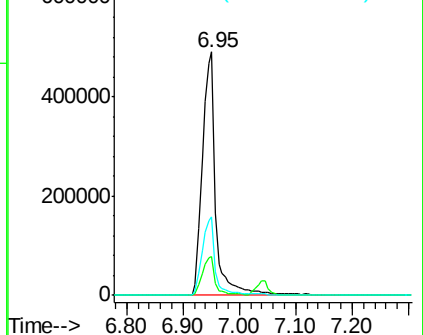
71 32.1 24.5 36.7



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



#10

Phenol

Concen: 2.10 ng

RT: 6.96 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

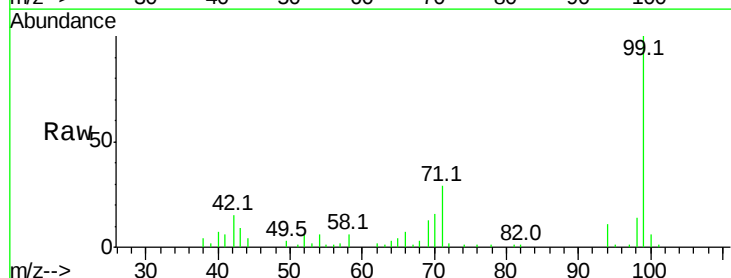
Tgt Ion: 94 Resp: 12034

Ion Ratio Lower Upper

94 100

65 35.7 9.9 49.9

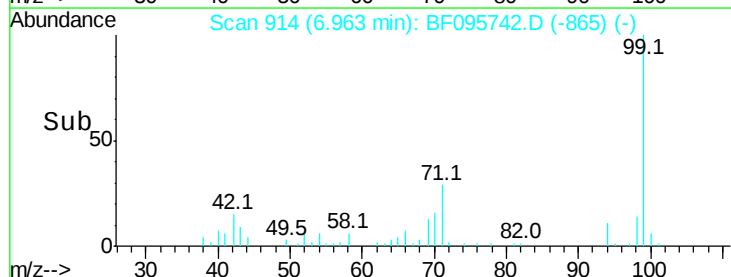
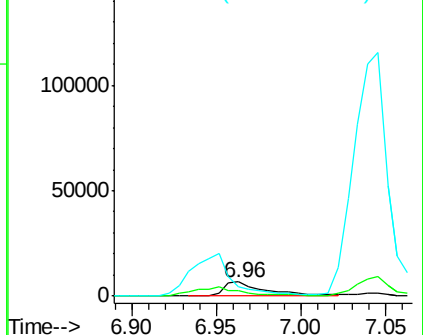
66 66.8 23.1 63.1#

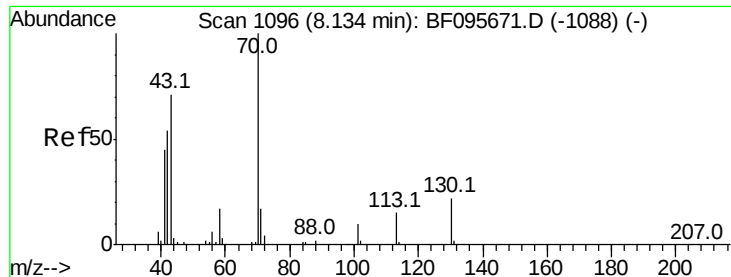


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 16.43 ng

RT: 8.30 min Scan# 1142

Delta R.T. 0.17 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)20170603

Tot Ion: 70 Resp: 57450

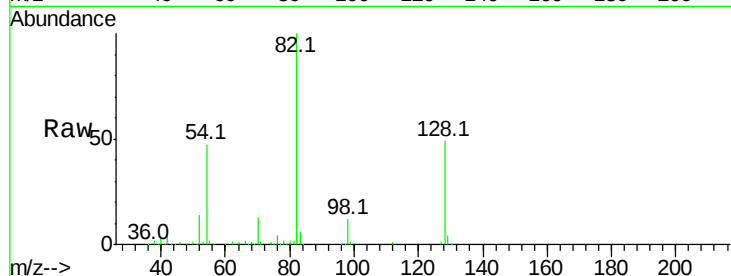
Ion Ratio Lower Upper

70 100

42 40.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

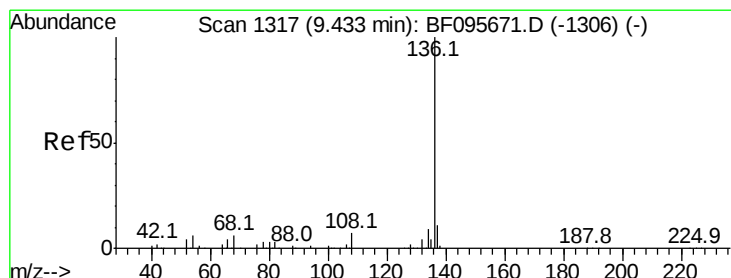
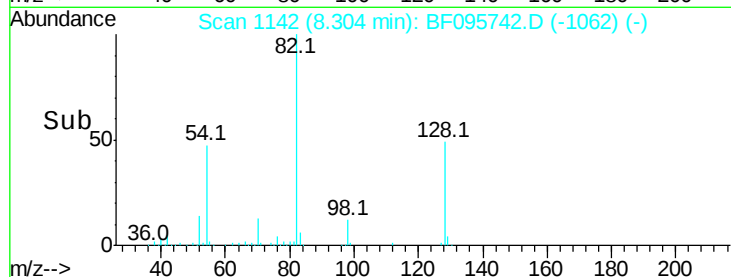
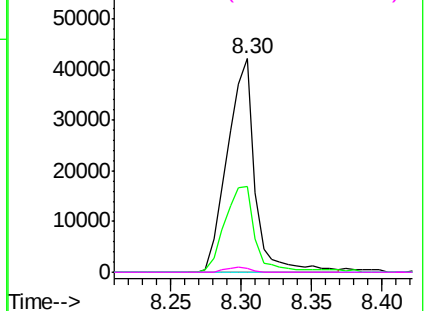


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.41 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Tgt Ion:136 Resp: 276545

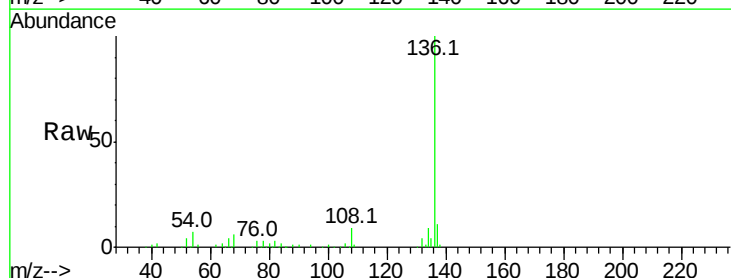
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.9 4.9 7.3

68 6.0 4.1 6.1

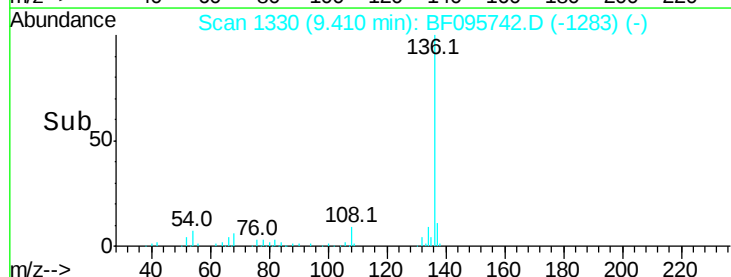
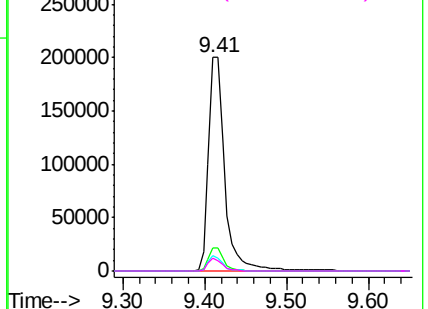


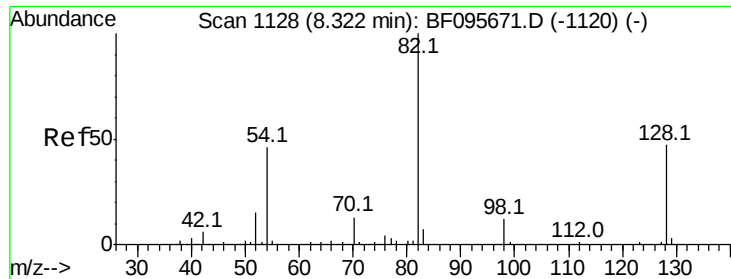
Abundance Ion 136.00 (135.70 to 136.70): E

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

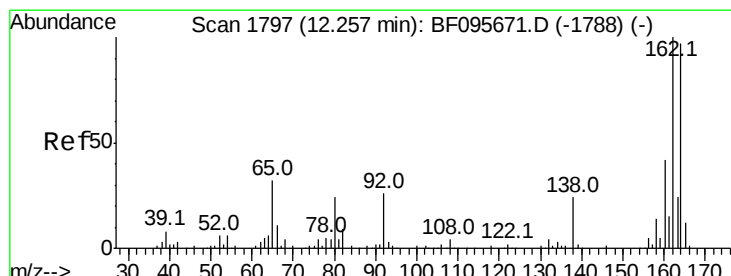
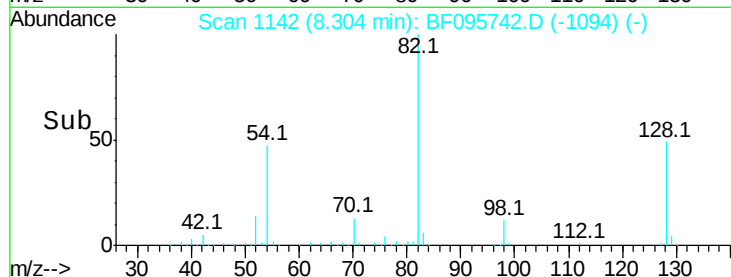
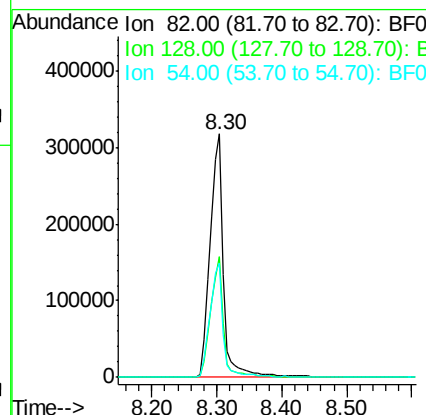
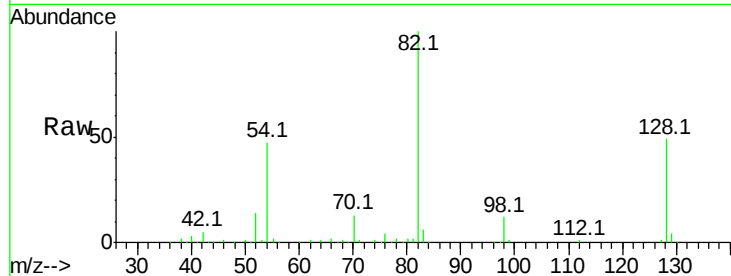




#23
Nitrobenzene-d5
Concen: 102.03 ng
RT: 8.30 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

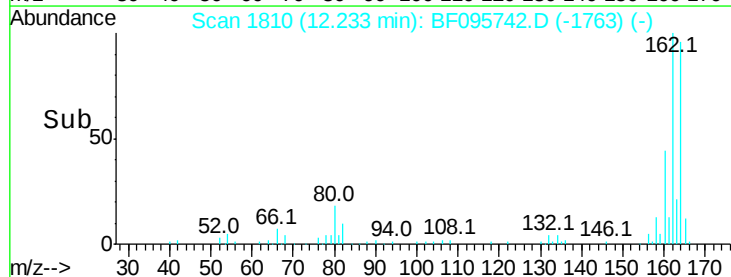
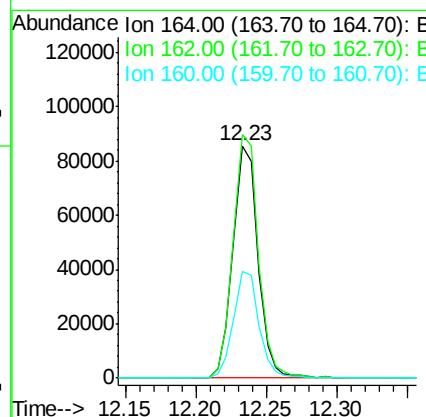
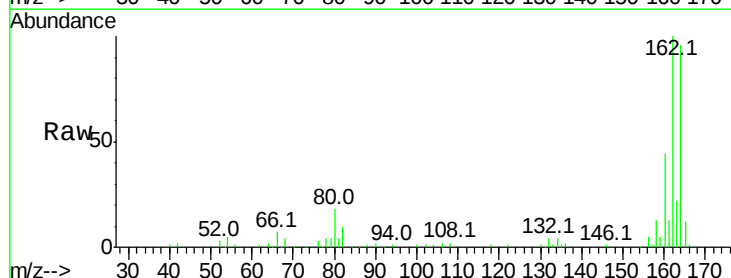
Instrument :
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ClientSampleId :
SB-2(0-2)20170603

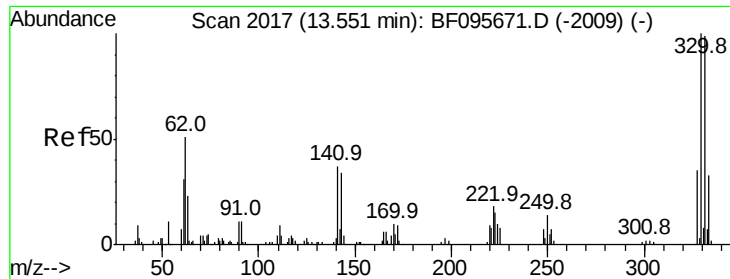
Tot Ion: 82 Resp: 454343
Ion Ratio Lower Upper
82 100
128 49.4 34.0 51.0
54 46.7 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.23 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion:164 Resp: 106908
Ion Ratio Lower Upper
164 100
162 104.6 82.6 123.8
160 45.6 36.2 54.2

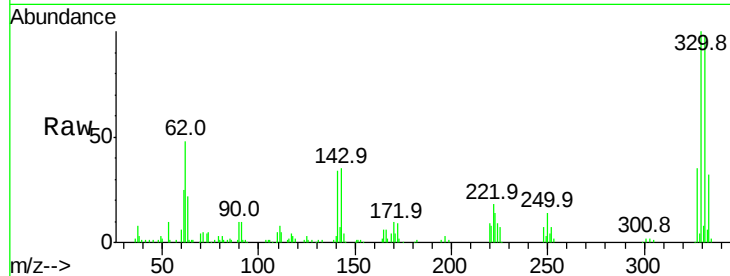




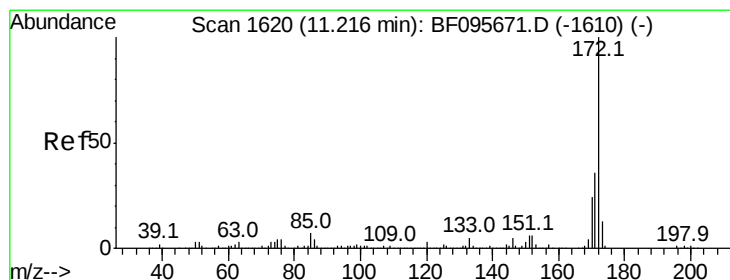
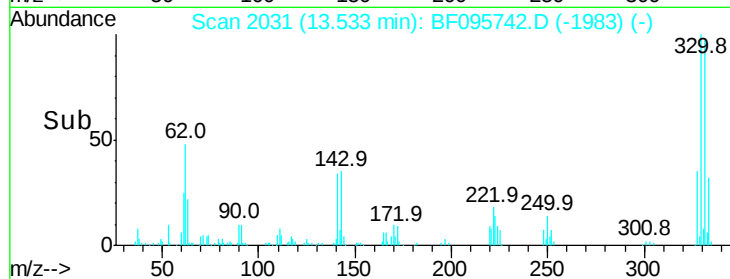
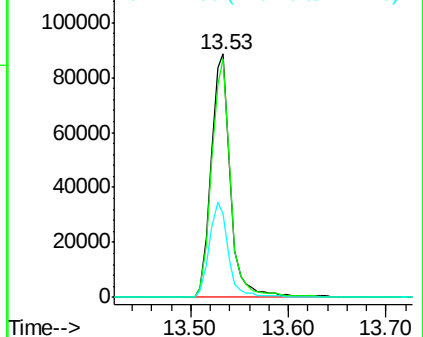
#41
 2,4,6-Tribromophenol
 Concen: 127.68 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-2)20170603

Tot Ion:330 Resp: 120775
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 38.6 31.4 47.2

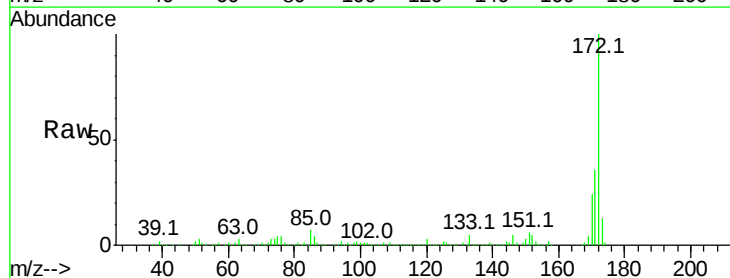


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

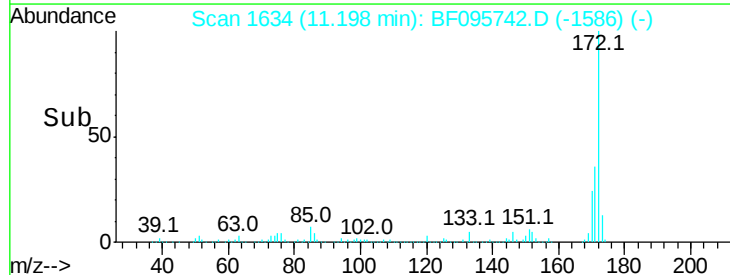
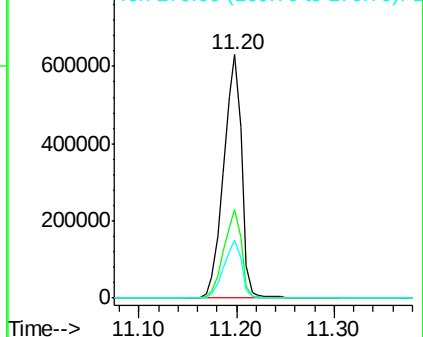


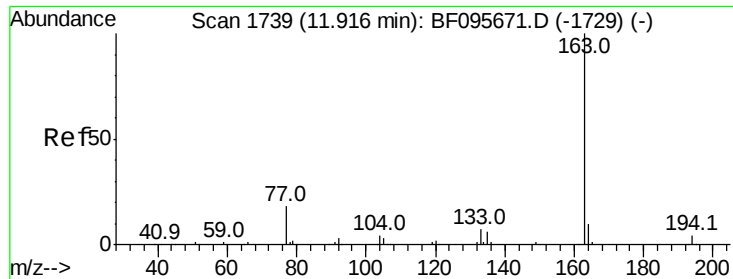
#44
 2-Fluorobiphenyl
 Concen: 104.58 ng
 RT: 11.20 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

Tgt Ion:172 Resp: 803402
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.8 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: 14.79 ng

RT: 11.89 min Scan# 1751

Delta R.T. -0.03 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)20170603

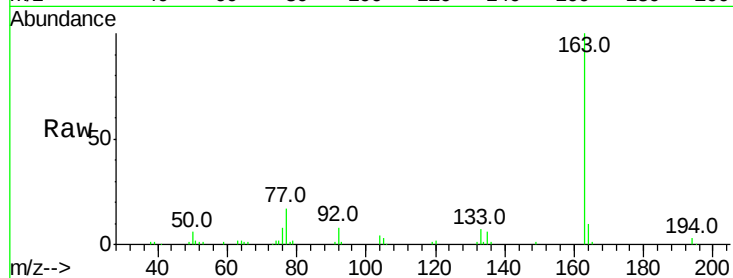
Tot Ion:163 Resp: 120050

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

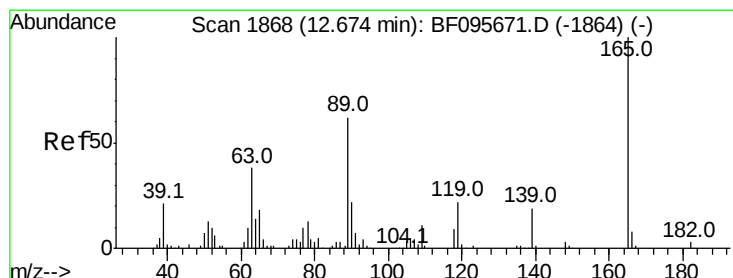
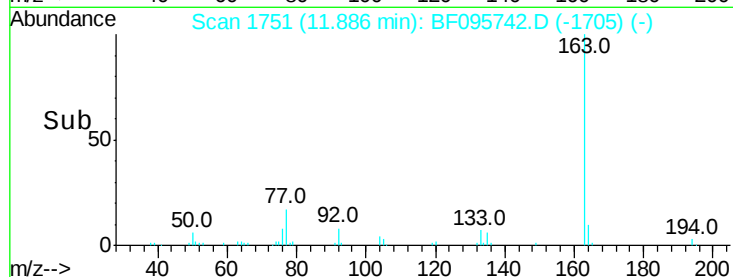
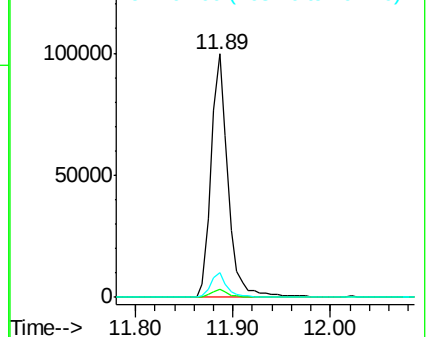
164 10.1 8.4 12.6



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



#55

4-Nitrophenol

Concen: 4.80 ng

RT: 12.60 min Scan# 1873

Delta R.T. -0.07 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

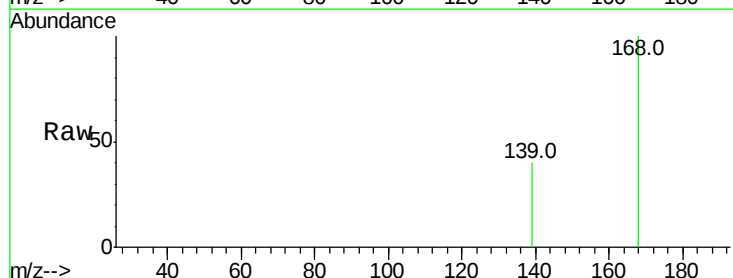
Tgt Ion:139 Resp: 227

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

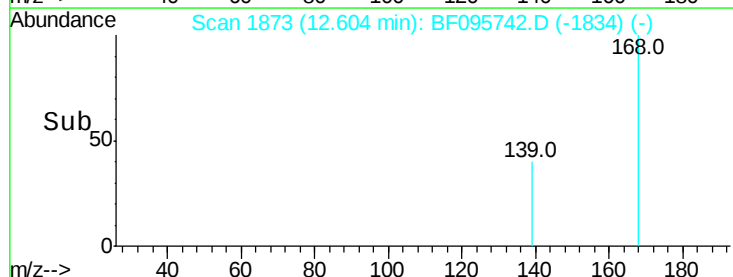
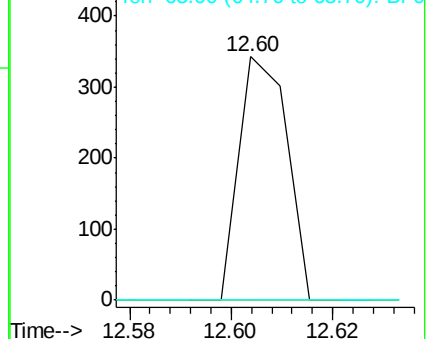
65 0.0 31.4 71.4#

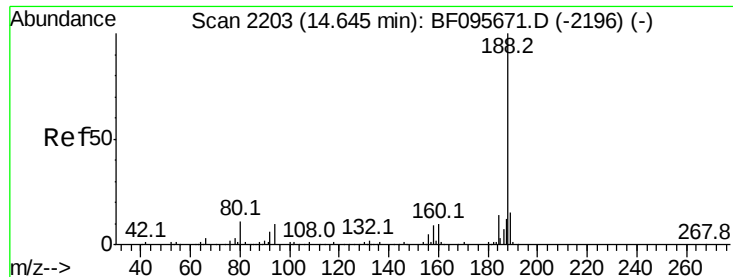


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

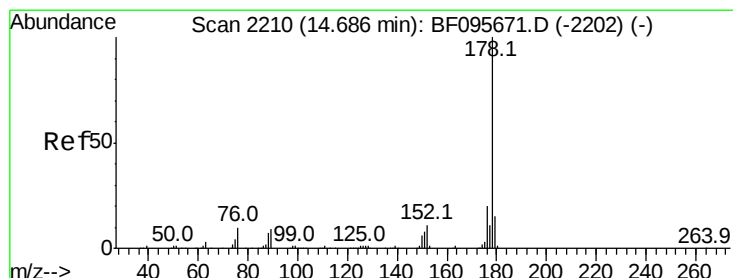
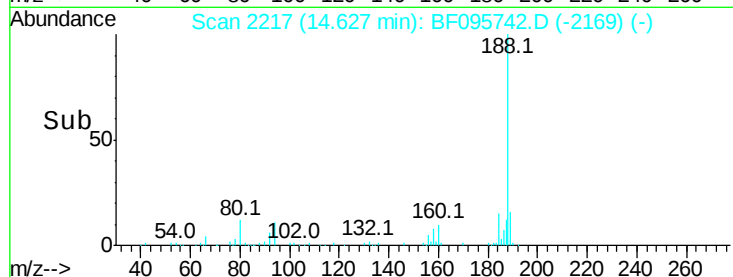
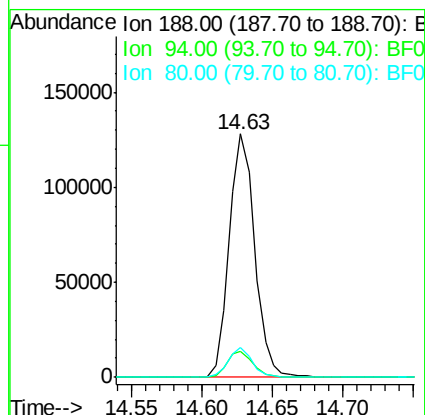
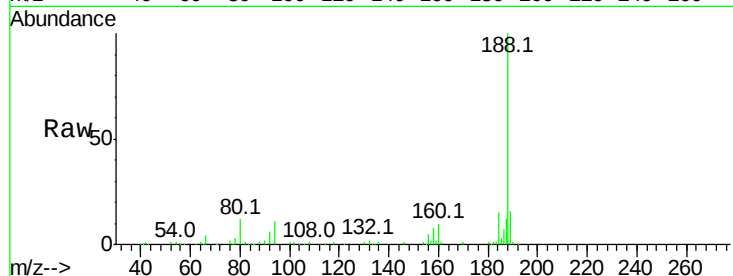




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

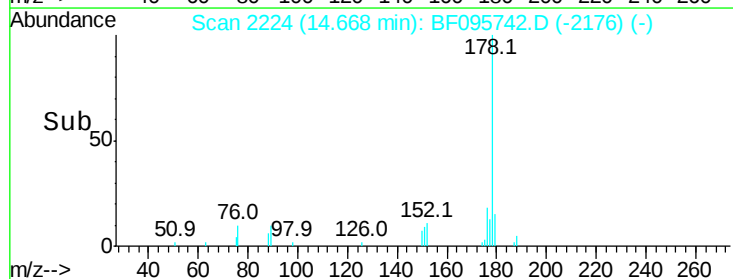
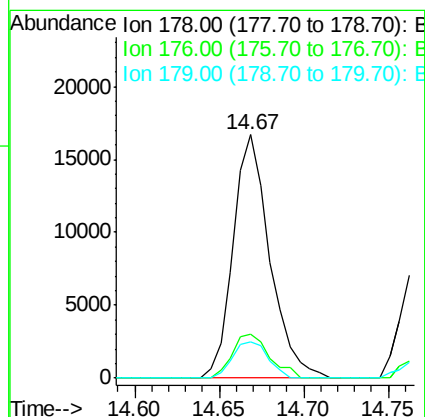
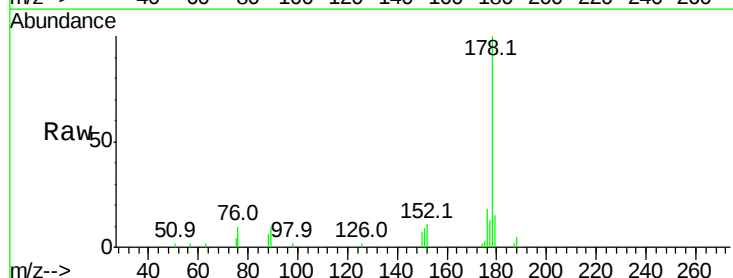
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)20170603

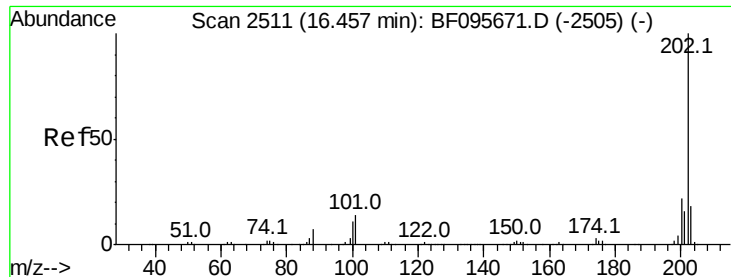
Tot Ion:188 Resp: 161661
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 12.1 10.2 15.2



#70
Phenanthrene
Concen: 2.70 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion:178 Resp: 25161
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 14.8 12.6 19.0

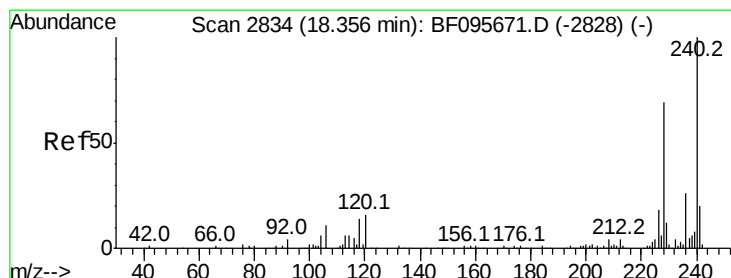
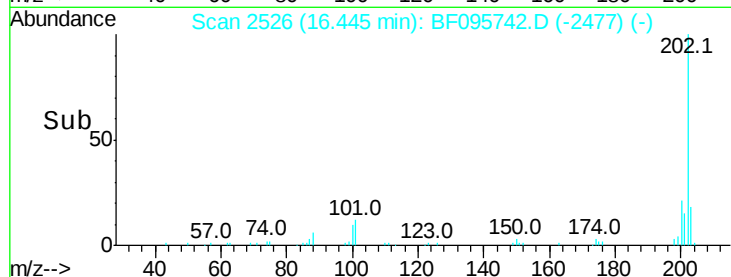
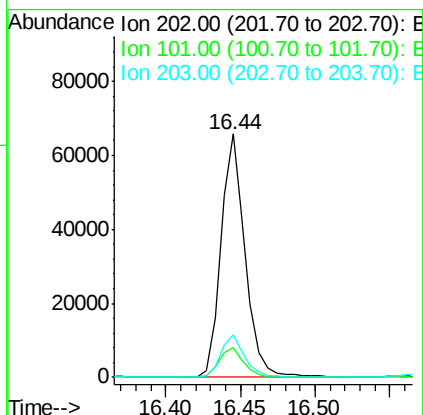
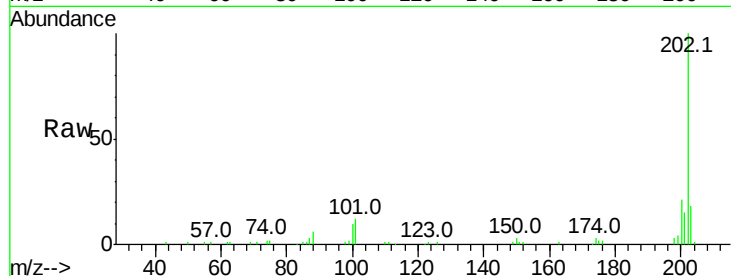




#74
Fluoranthene
 Concen: 8.09 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

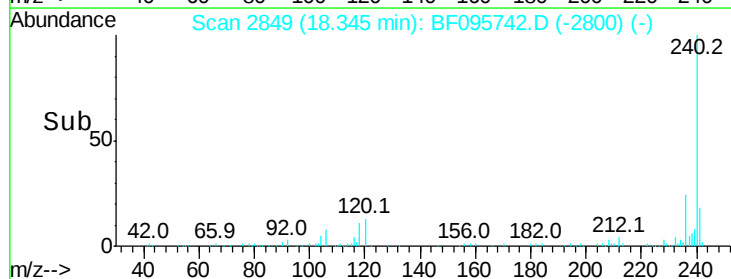
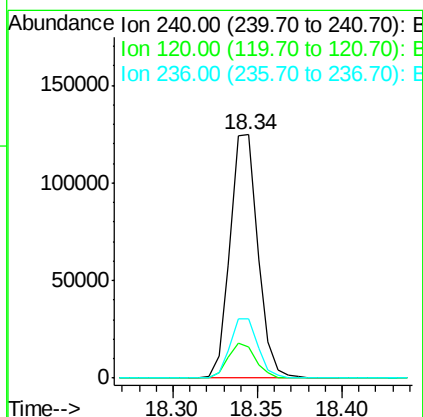
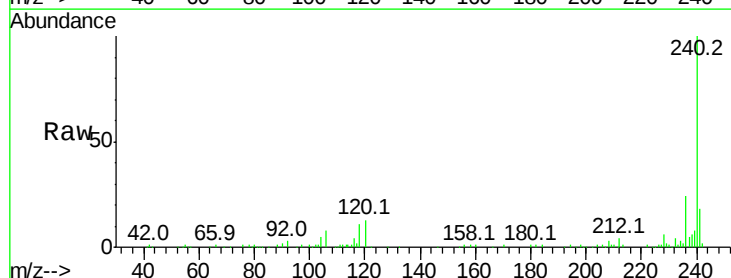
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-2)20170603

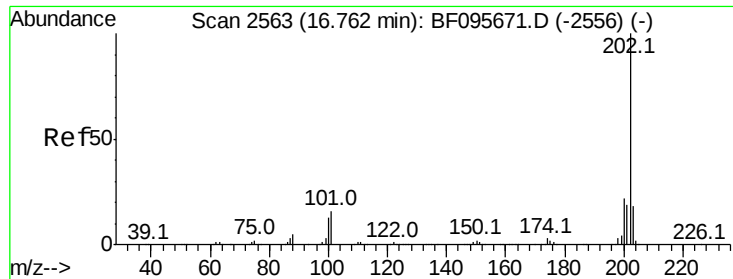
Tot Ion:202 Resp: 74674
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 33.2
 203 17.5 0.0 38.1



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.34 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

Tgt Ion:240 Resp: 143465
 Ion Ratio Lower Upper
 240 100
 120 13.0 5.8 8.8#
 236 24.4 20.5 30.7

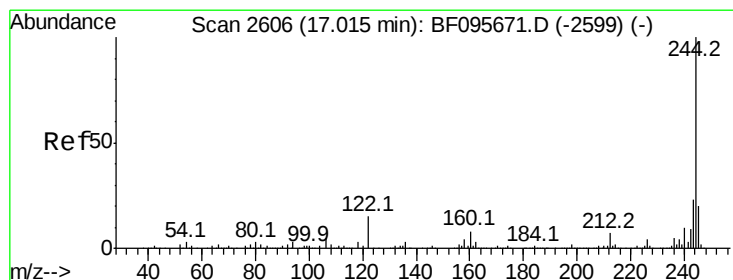
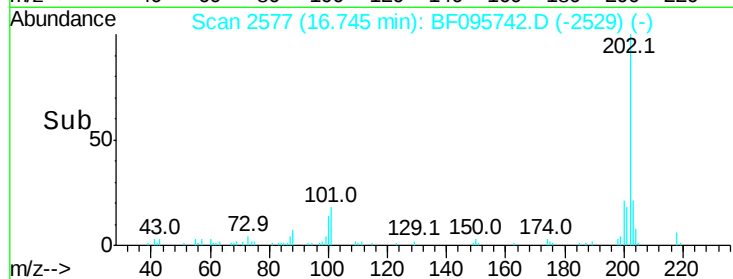
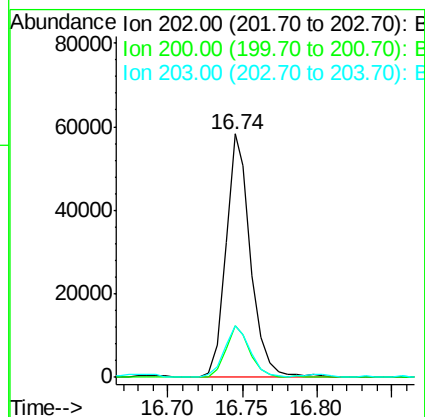
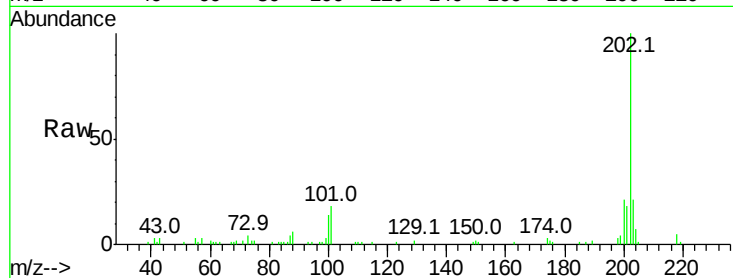




#77
Pvrene
Concen: 6.31 ng
RT: 16.74 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

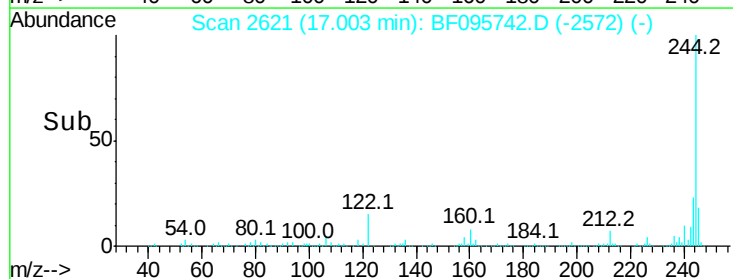
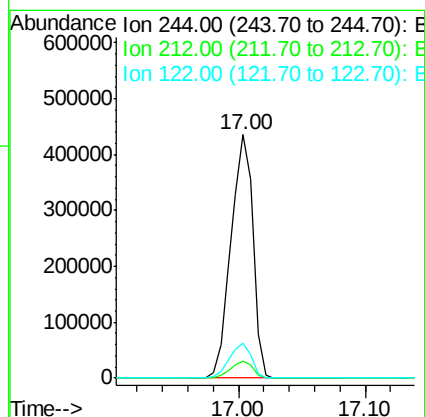
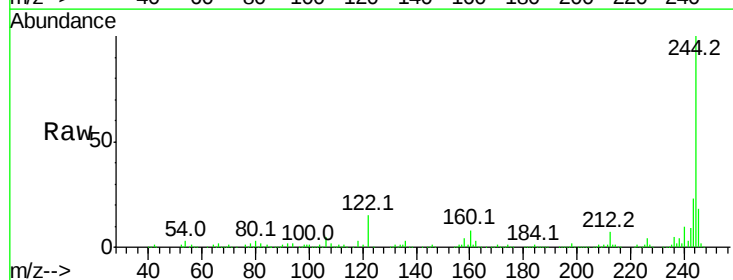
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)20170603

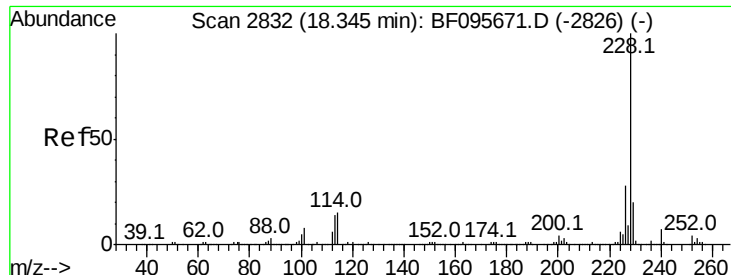
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	21.3	14.4	21.6



#78
Terphenyl-d14
Concen: 89.62 ng
RT: 17.00 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.6	10.3	15.5





#80

Benzo(a)anthracene

Concen: 4.63 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)20170603

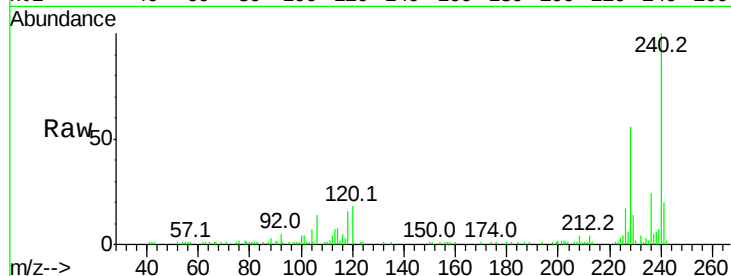
Tot Ion:228 Resp: 38578

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

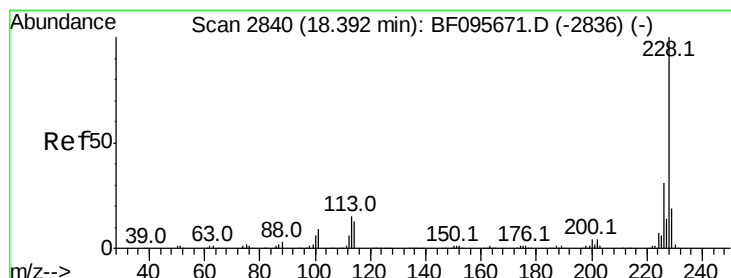
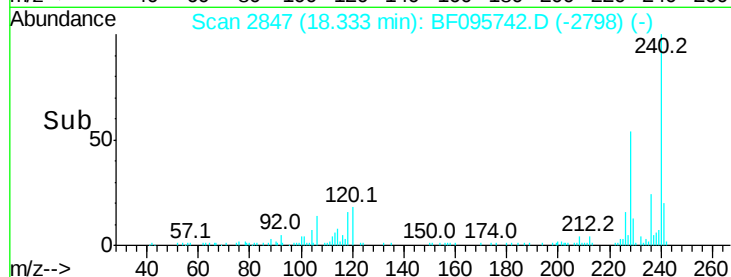
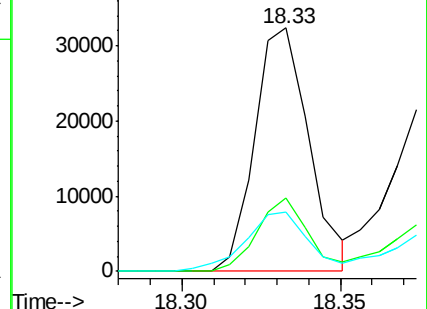
229 24.4 16.3 24.5



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: 4.27 ng

RT: 18.38 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

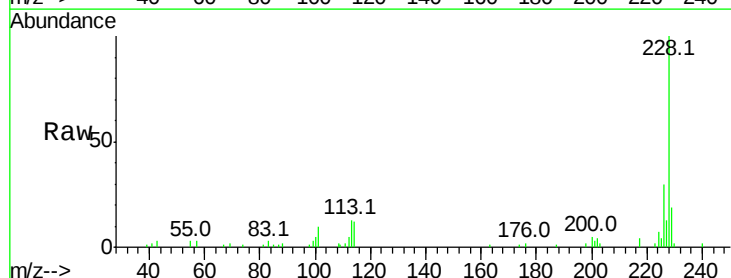
Tgt Ion:228 Resp: 35613

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

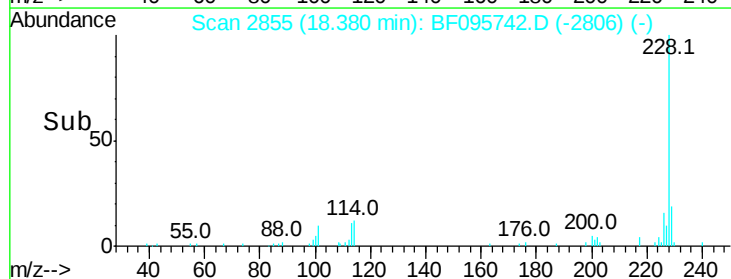
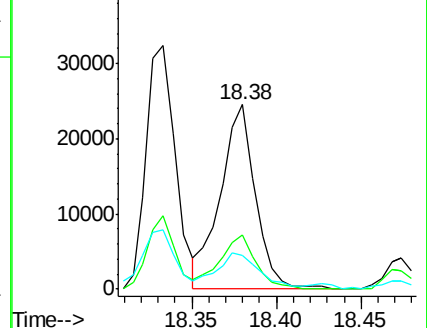
229 18.6 15.8 23.6

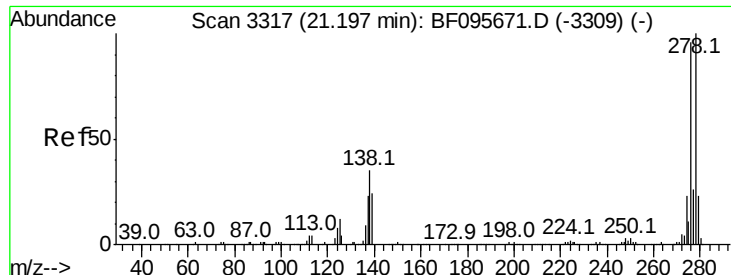


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

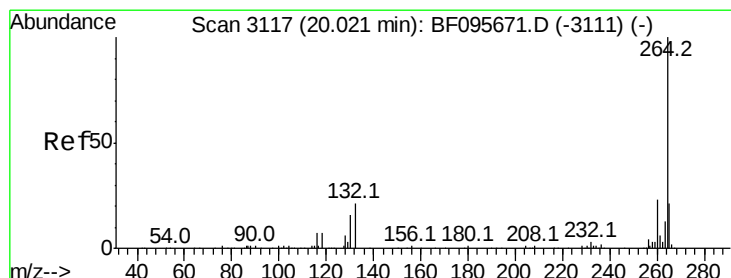
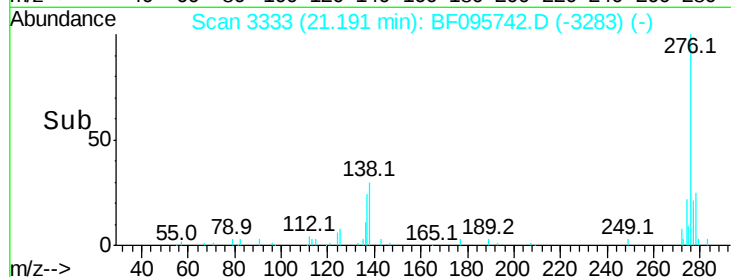
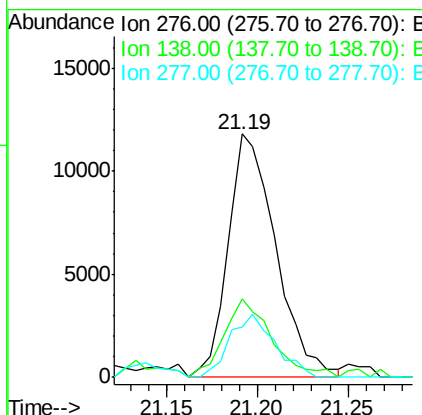
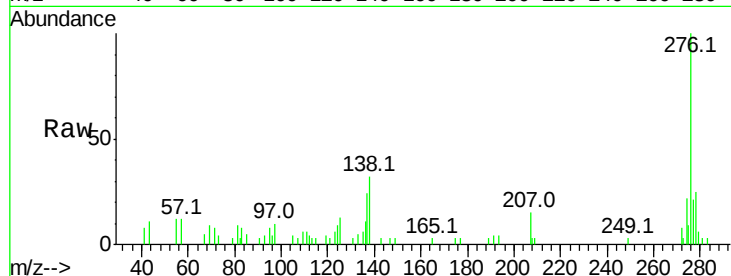




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.04 ng
RT: 21.19 min Scan# 3333
Delta R.T. -0.01 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

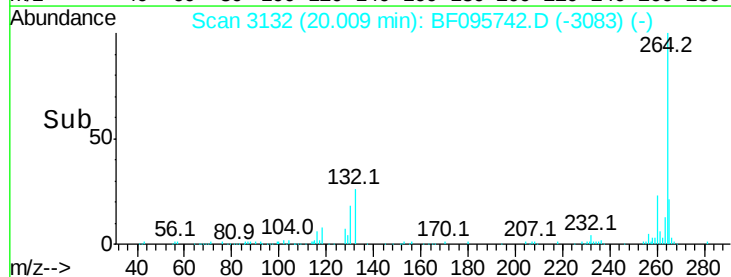
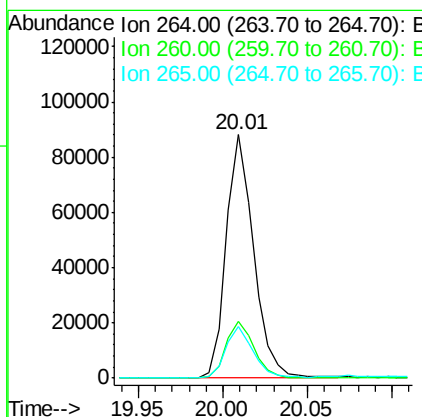
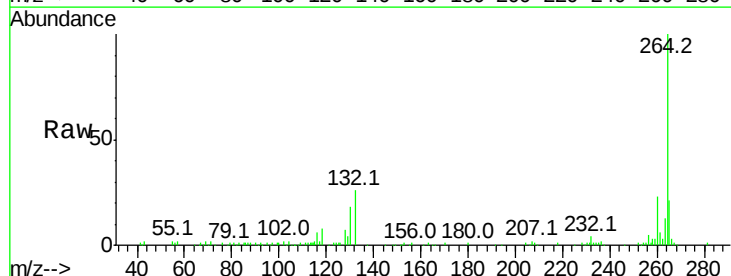
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)20170603

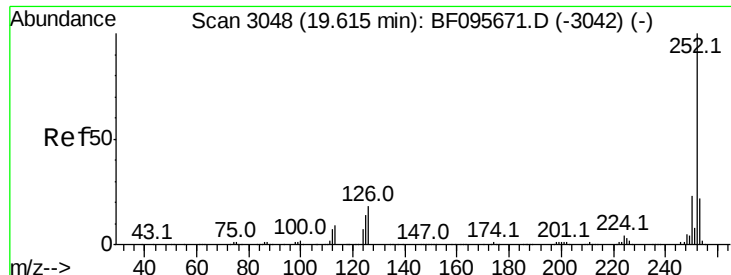
Tot Ion:276 Resp: 21679
Ion Ratio Lower Upper
276 100
138 32.0 27.8 41.6
277 24.5 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion:264 Resp: 99908
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.1 17.2 25.8

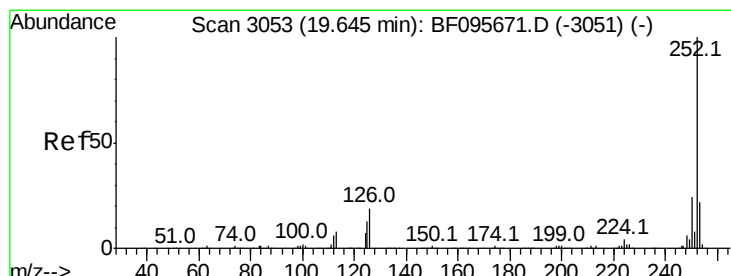
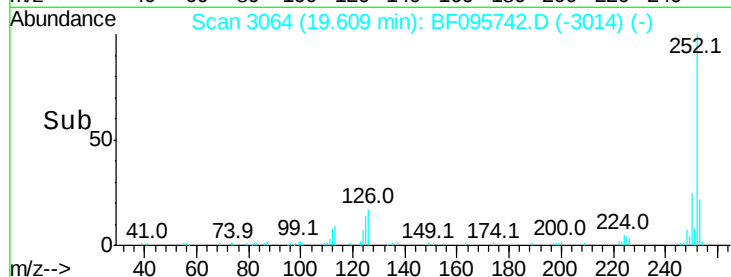
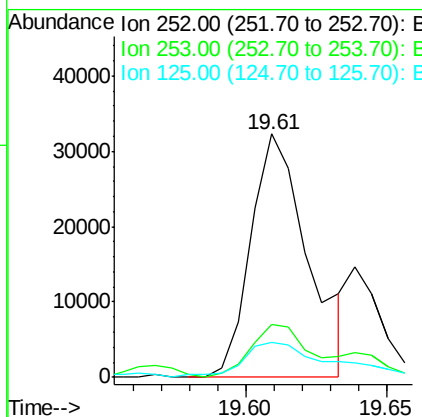
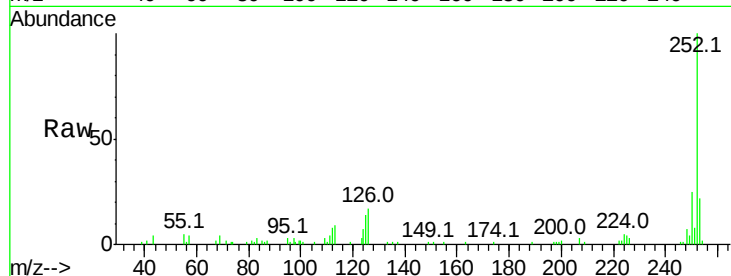




#87
Benzo(b)fluoranthene
Concen: 7.26 ng
RT: 19.61 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

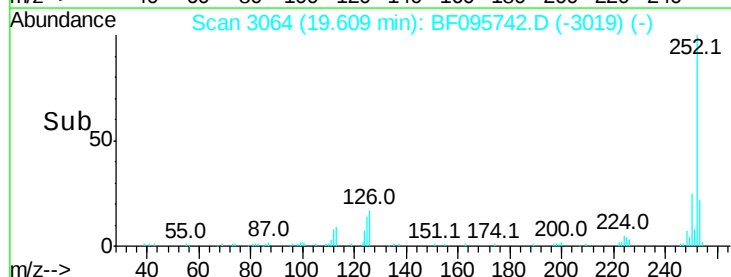
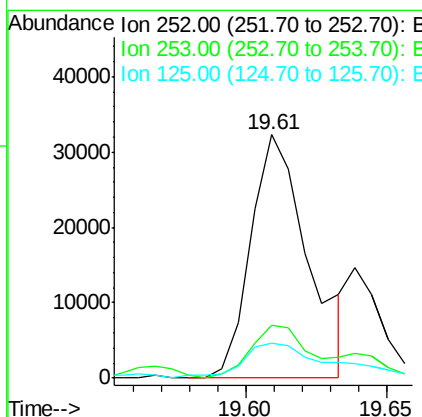
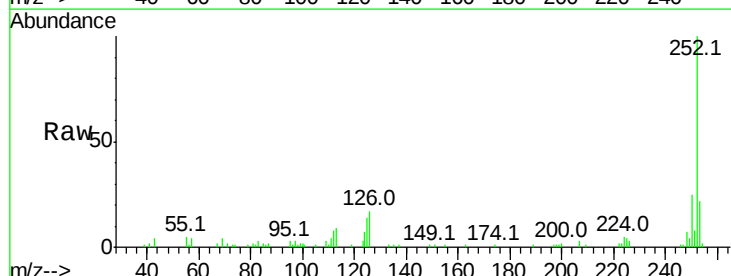
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)20170603

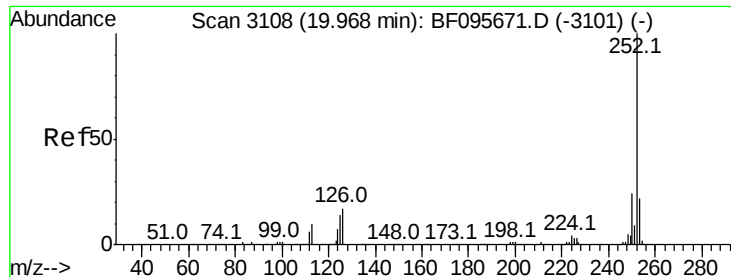
Tot Ion:252 Resp: 45436
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 14.5 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 7.60 ng
RT: 19.61 min Scan# 3064
Delta R.T. -0.04 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion:252 Resp: 45436
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 14.5 13.1 19.7





#89

Benzo(a)pyrene

Concen: 5.65 ng

RT: 19.96 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)20170603

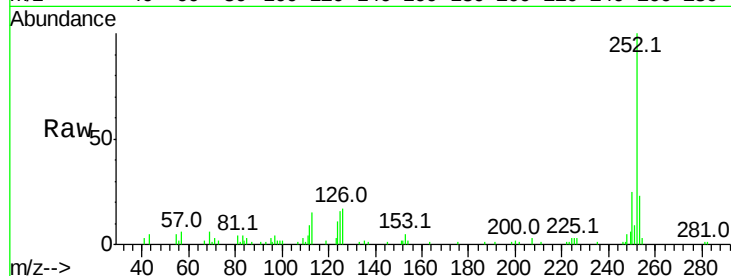
Tot Ion:252 Resp: 32491

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

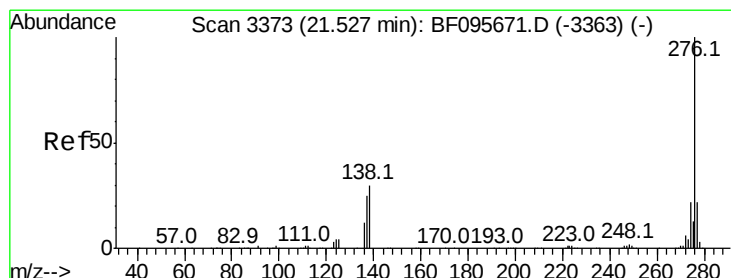
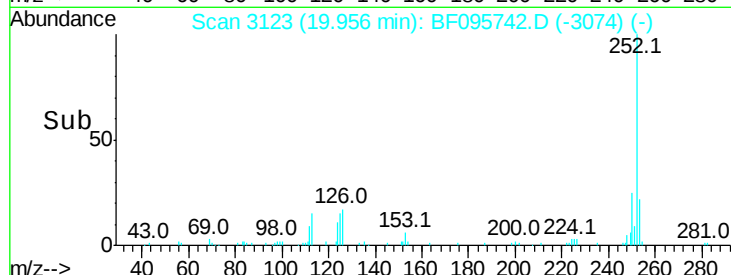
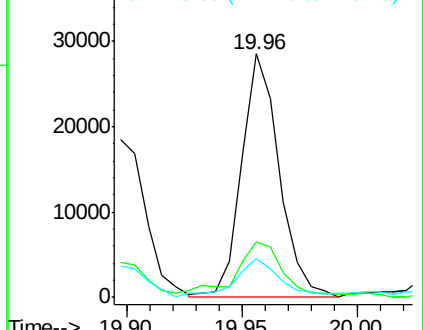
125 15.7 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 4.40 ng

RT: 21.53 min Scan# 3390

Delta R.T. -0.00 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

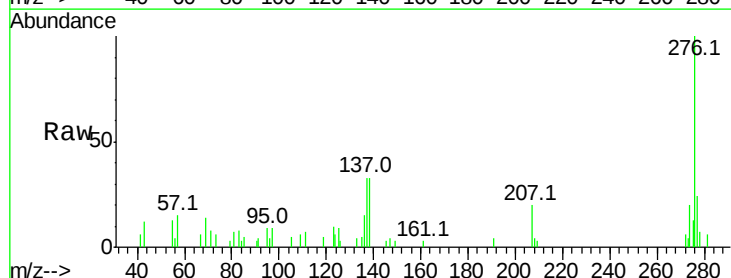
Tgt Ion:276 Resp: 21880

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 33.0 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

