

Data File : BF095817.D
Acq On : 9 Jun 2017 12:47
Operator : SJ/MA
Sample : I3457-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-12

Quant Time: Jun 10 01:20:39 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	7.37	152	65810	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	270659	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	119809	20.00	ng	-0.04
63) Phenanthrene-d10	14.61	188	208867	20.00	ng	-0.04
75) Chrysene-d12	18.33	240	134844	20.00	ng	-0.02
86) Perylene-d12	20.00	264	127743	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	600663	145.44	ng	-0.02
7) Phenol-d6	6.93	99	725291	146.69	ng	-0.02
23) Nitrobenzene-d5	8.29	82	409075	93.87	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	142805	134.72	ng	-0.03
44) 2-Fluorobiphenyl	11.18	172	674074	78.29	ng	-0.04
78) Terphenyl-d14	16.99	244	458166	84.32	ng	-0.02
Target Compounds						
10) Phenol	6.95	94	11044	2.15	ng	# 63
19) n-Nitroso-di-n-propylamine	8.29	70	50510	16.12	ng	# 73
49) Dimethylphthalate	11.87	163	113513	12.48	ng	100
55) 4-Nitrophenol	12.57	139	960	5.30	ng	# 25
70) Phenanthrene	14.65	178	67242	5.58	ng	96
74) Fluoranthene	16.43	202	102428	8.59	ng	100
77) Pyrene	16.73	202	97685	9.71	ng	95
80) Benzo(a)anthracene	18.32	228	34293	4.37	ng	94
82) Chrysene	18.36	228	36255	4.63	ng	98
83) Bis(2-ethylhexyl)phthalate	18.41	149	95285	15.37	ng	# 98
85) Indeno(1,2,3-cd)pyrene	21.18	276	18155	2.71	ng	# 92
87) Benzo(b)fluoranthene	19.60	252	56235	7.03	ng	# 92
88) Benzo(k)fluoranthene	19.60	252	56235	7.36	ng	97
89) Benzo(a)pyrene	19.94	252	30526	4.15	ng	# 89
91) Benzo(g,h,i)perylene	21.52	276	17943	2.82	ng	95

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

Data File : BF095817.D

Acq On : 9 Jun 2017 12:47

Operator : SJ/MA

Sample : I3457-08

Misc :

ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

S-12

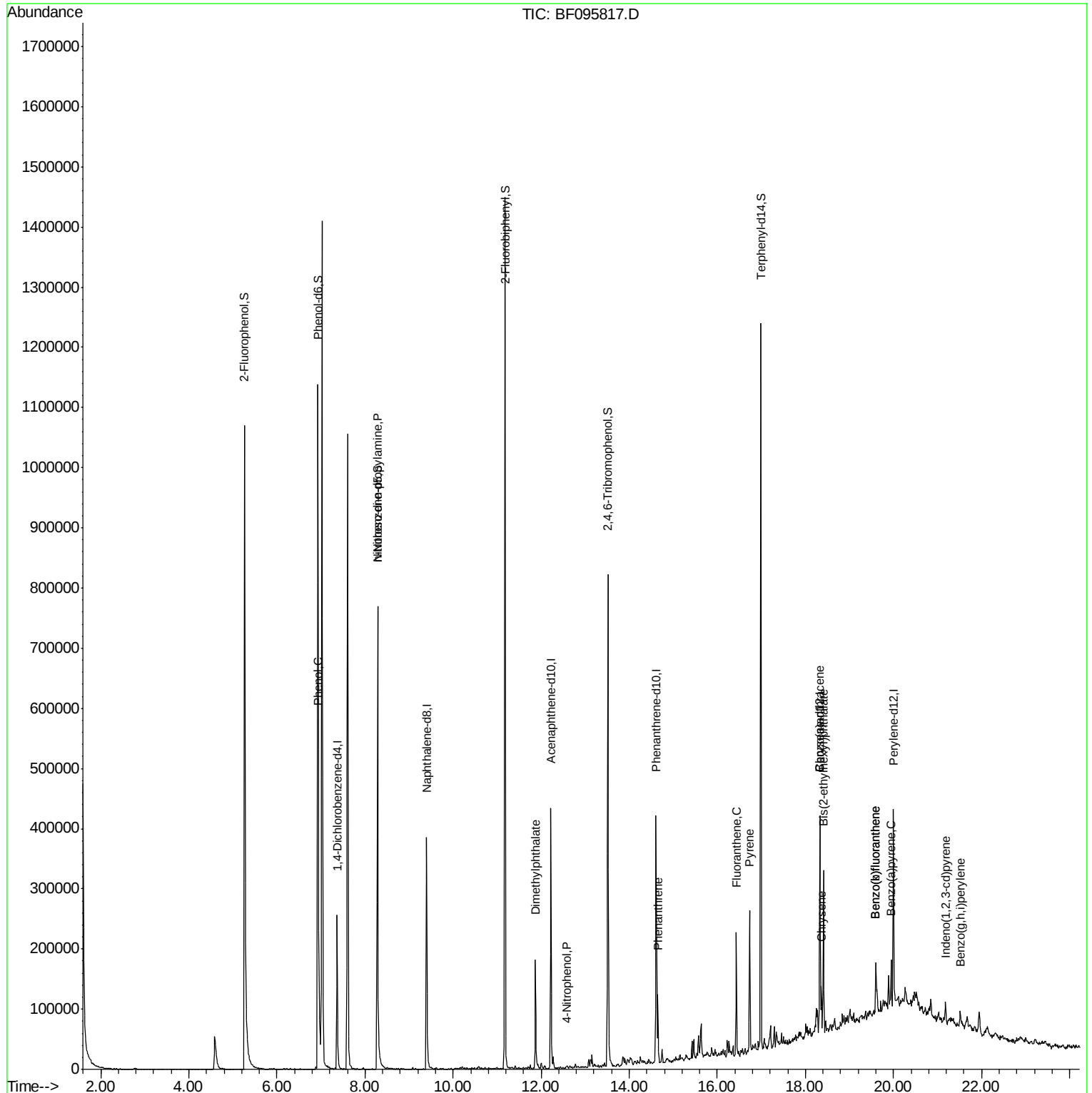
Quant Time: Jun 10 01:20:39 2017

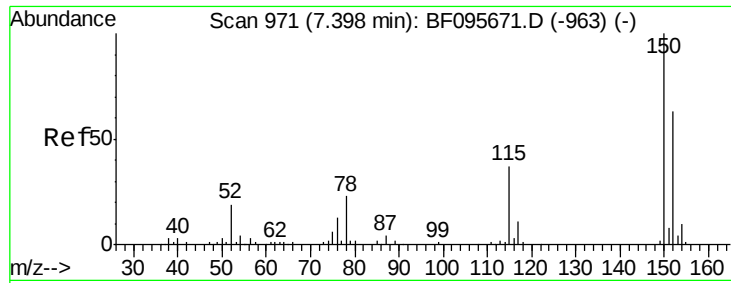
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 05 16:15:31 2017

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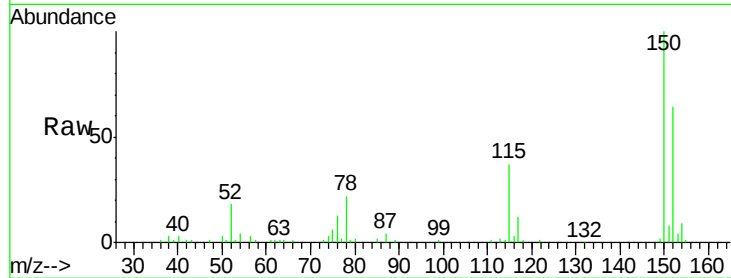


#1

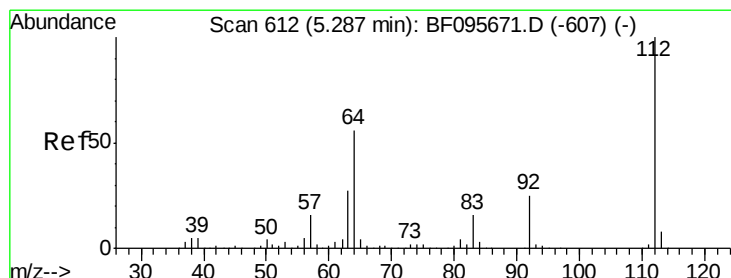
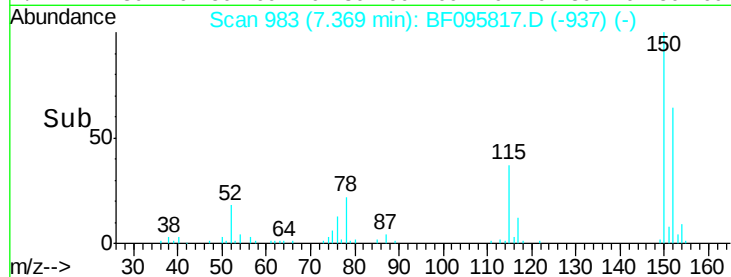
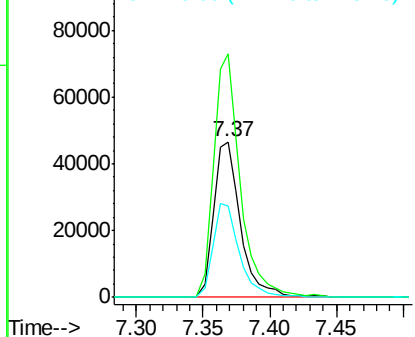
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095817.D
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Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:152 Resp: 65810
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 58.4 52.2 78.2



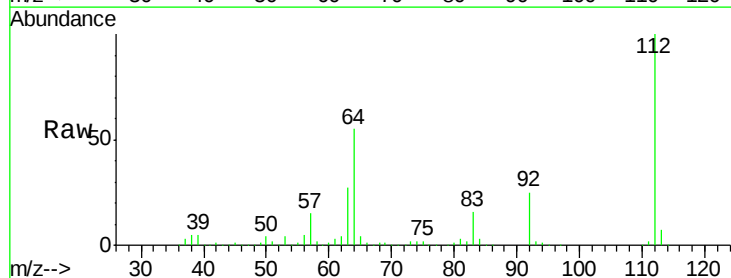
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



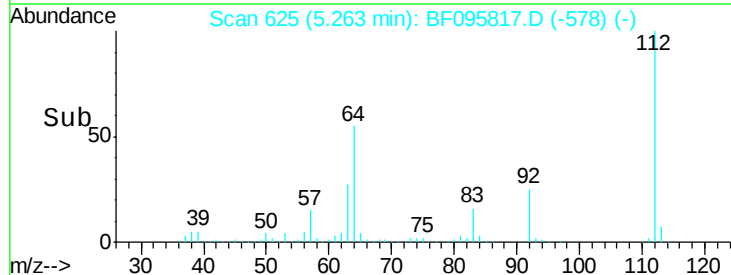
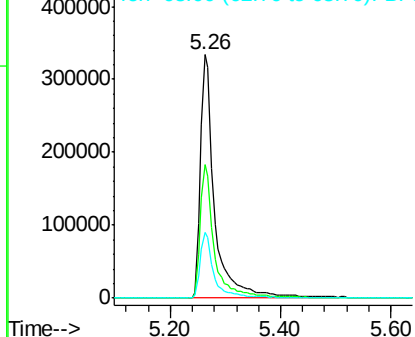
#5

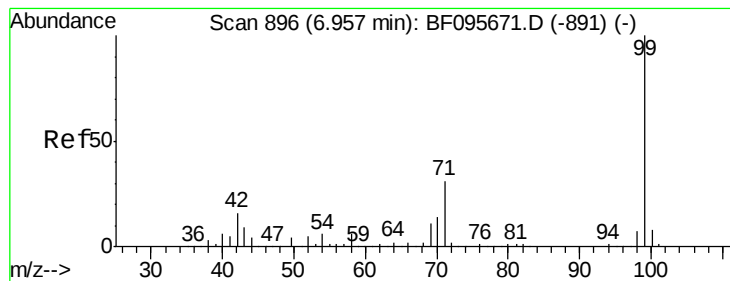
2-Fluorophenol
Concen: 145.44 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095817.D
Acq: 9 Jun 2017 12:47

Tgt Ion:112 Resp: 600663
Ion Ratio Lower Upper
112 100
64 54.8 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: 146.69 ng

RT: 6.93 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

Instrument :

BNA_F

ClientSampled :

S-12

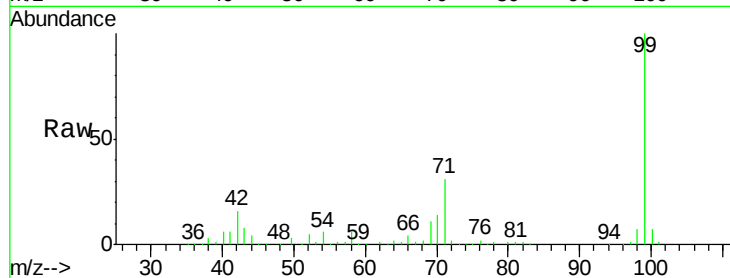
Tgt Ion: 99 Resp: 725291

Ion Ratio Lower Upper

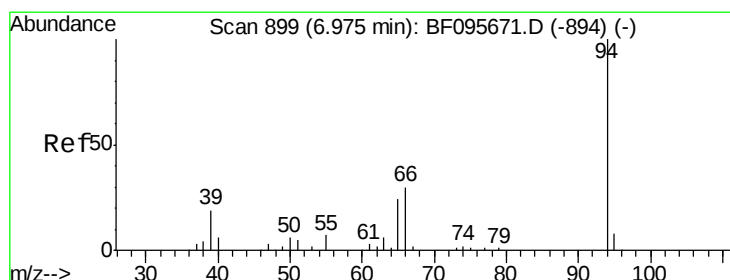
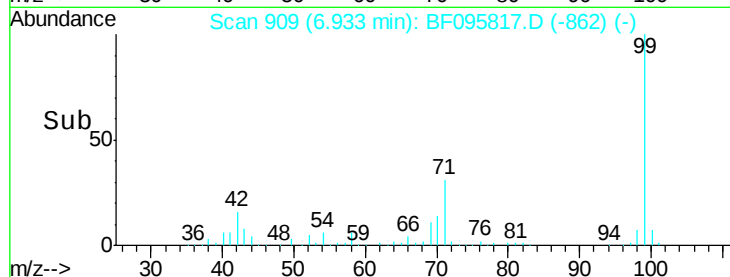
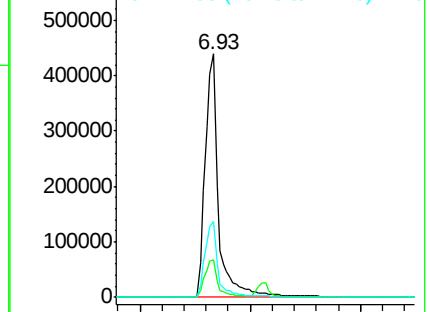
99 100

42 15.5 13.5 20.3

71 31.1 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: 2.15 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

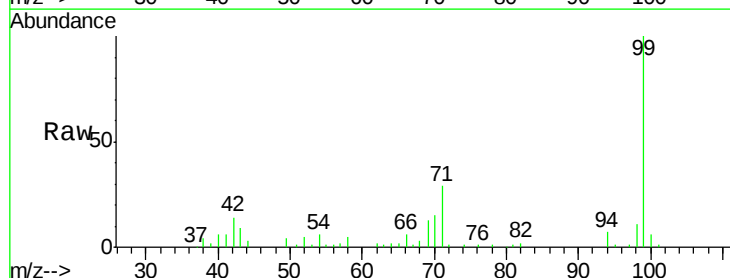
Tgt Ion: 94 Resp: 11044

Ion Ratio Lower Upper

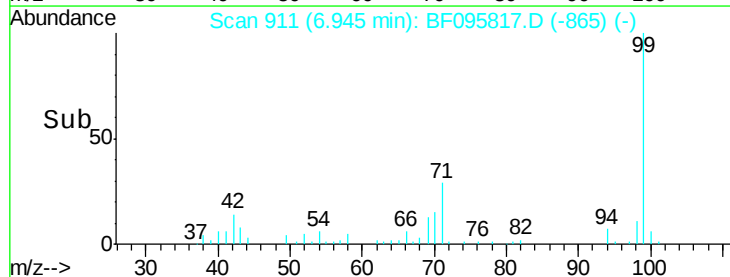
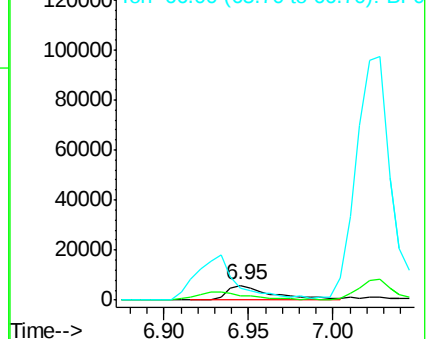
94 100

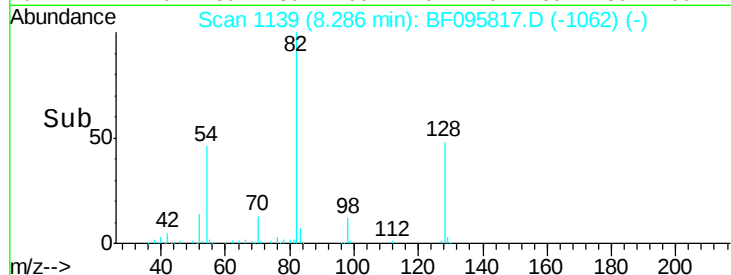
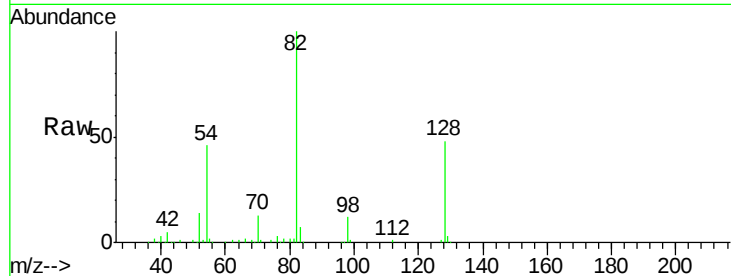
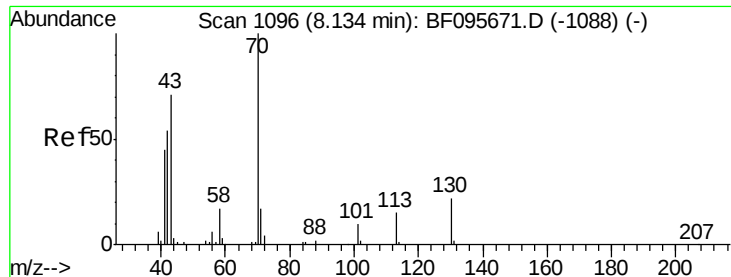
65 32.0 9.9 49.9

66 81.1 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

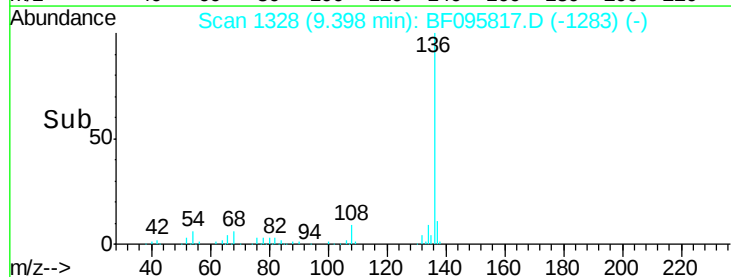
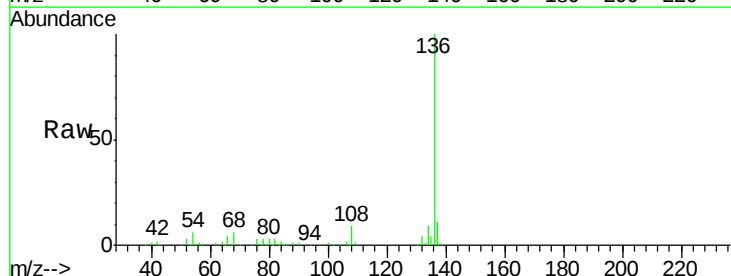
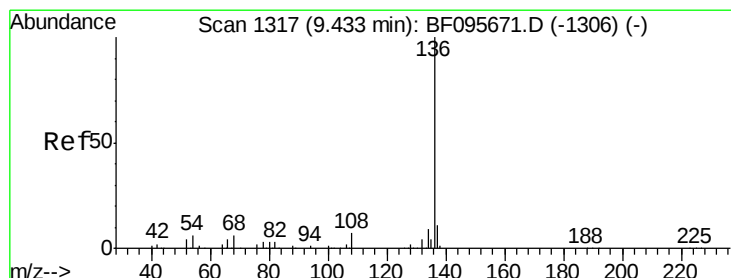
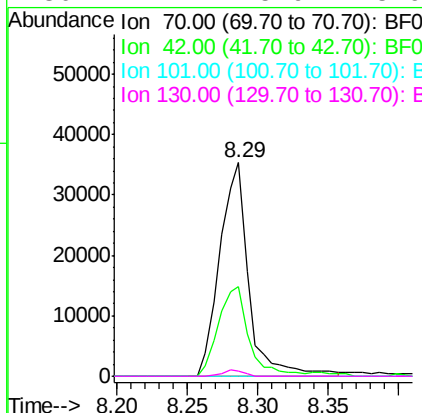




#19
n-Nitroso-di-n-propylamine
Concen: 16.12 ng
RT: 8.29 min Scan# 1139
Delta R.T. 0.15 min
Lab File: BF095817.D
Acq: 9 Jun 2017 12:47

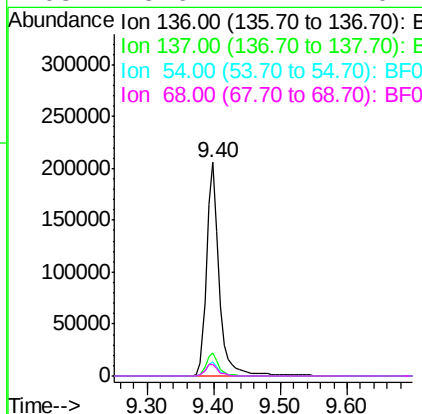
Instrument :
BNA_F
ClientSampleId :
S-12

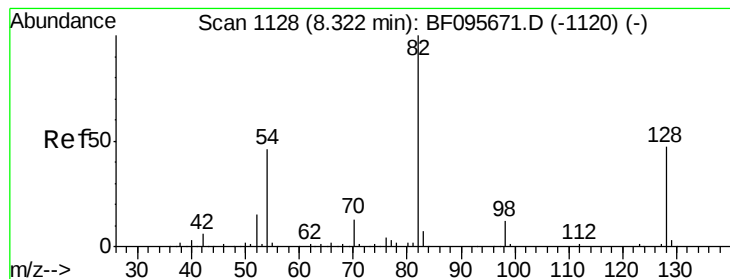
Tgt Ion: 70 Resp: 50510
Ion Ratio Lower Upper
70 100
42 41.8 47.2 70.8#
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095817.D
Acq: 9 Jun 2017 12:47

Tgt Ion: 136 Resp: 270659
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.5 4.9 7.3
68 5.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 93.87 ng

RT: 8.29 min Scan# 1139

Delta R.T. -0.04 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

Instrument :

BNA_F

ClientSampleId :

S-12

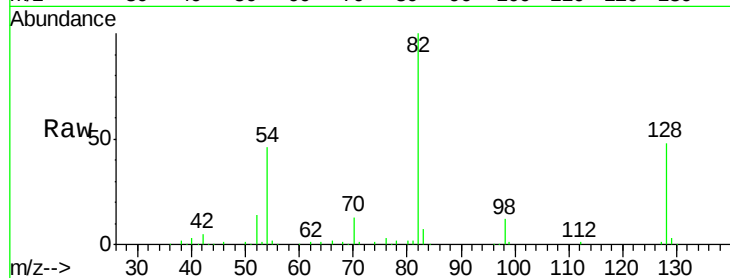
Tgt Ion: 82 Resp: 409075

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

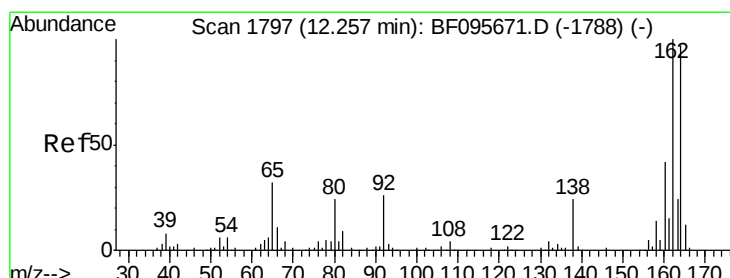
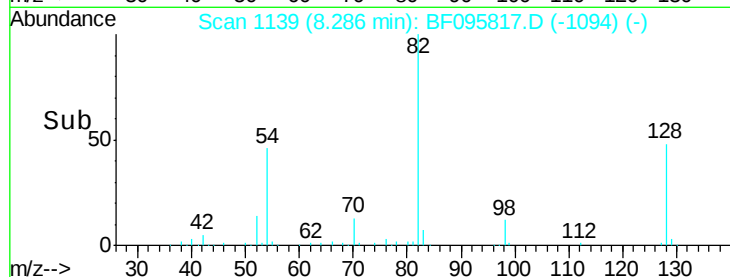
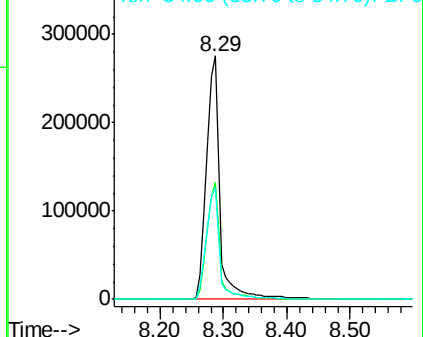
54 46.0 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

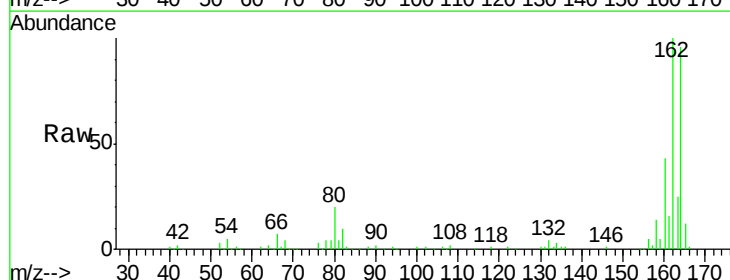
Tgt Ion: 164 Resp: 119809

Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

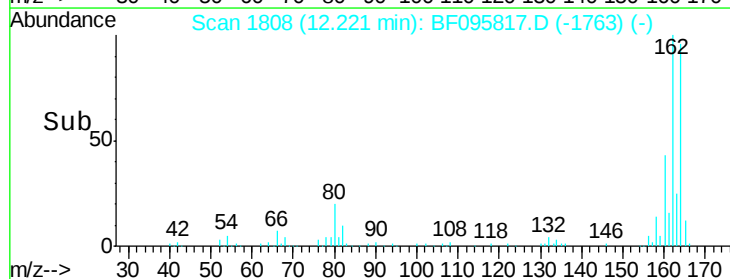
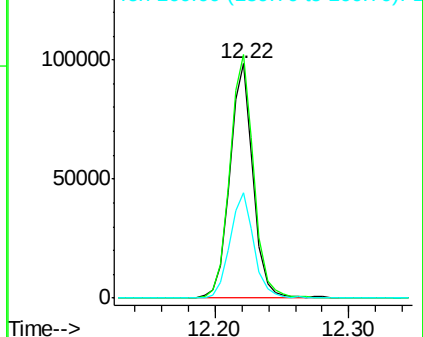
160 44.8 36.2 54.2

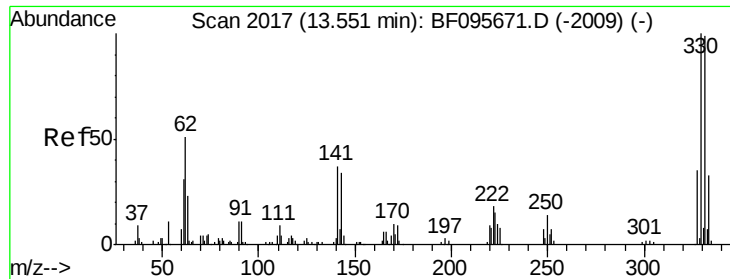


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

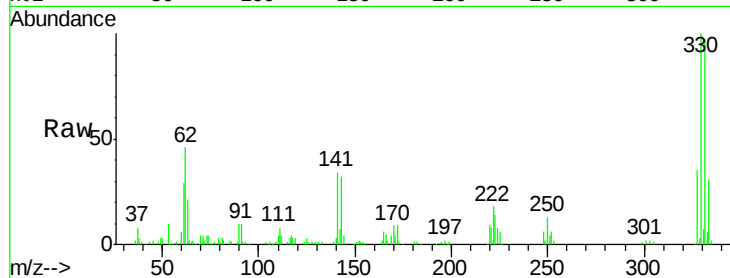




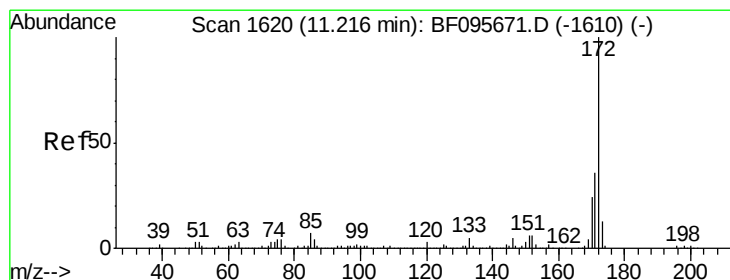
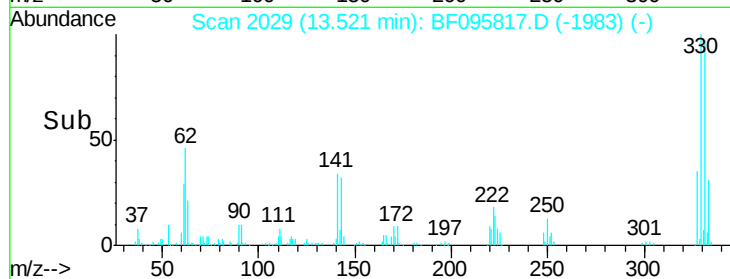
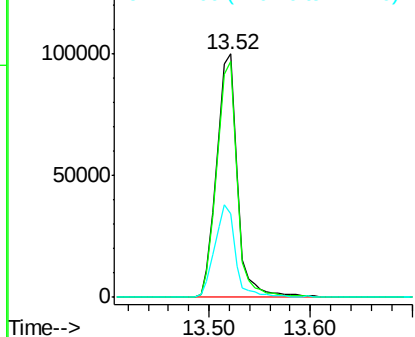
#41
 2,4,6-Tribromophenol
 Concen: 134.72 ng
 RT: 13.52 min Scan# 2029
 Delta R.T. -0.03 min
 Lab File: BF095817.D
 Acq: 9 Jun 2017 12:47

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:330 Resp: 142805
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 37.9 31.4 47.2

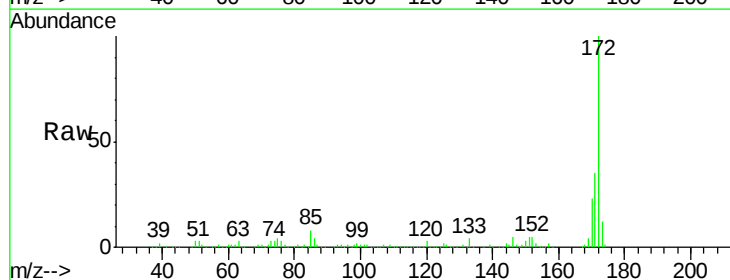


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

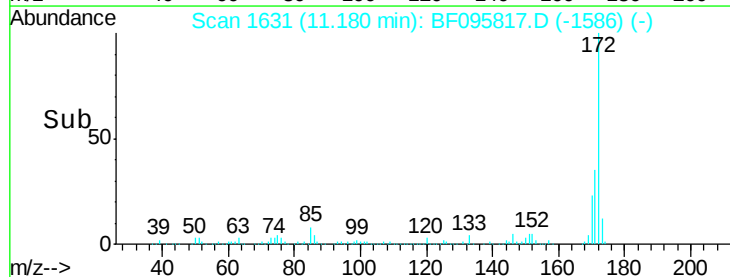
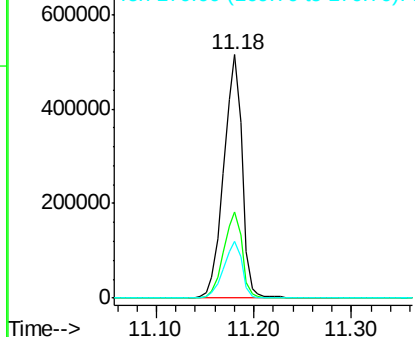


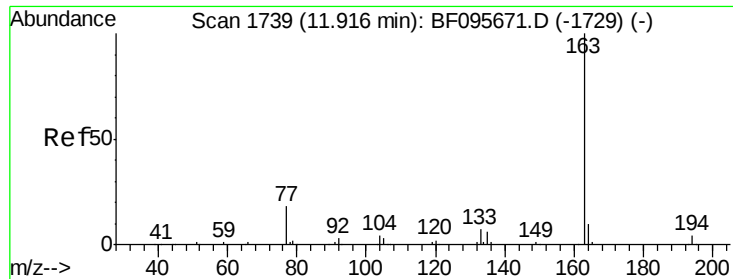
#44
 2-Fluorobiphenyl
 Concen: 78.29 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095817.D
 Acq: 9 Jun 2017 12:47

Tgt Ion:172 Resp: 674074
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 23.1 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: 12.48 ng

RT: 11.87 min Scan# 1748

Delta R.T. -0.05 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

Instrument :

BNA_F

ClientSampleId :

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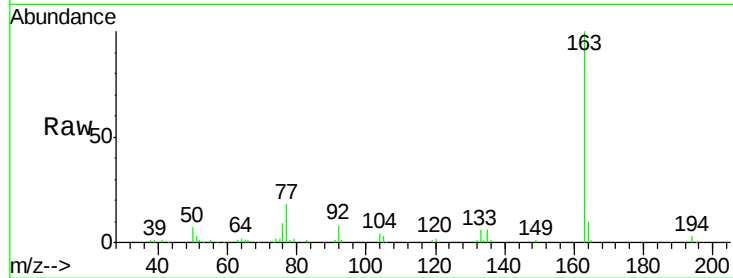
Tgt Ion:163 Resp: 113513

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

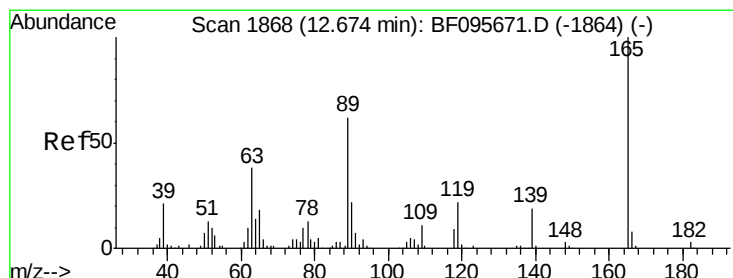
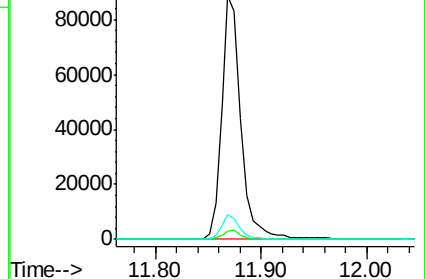
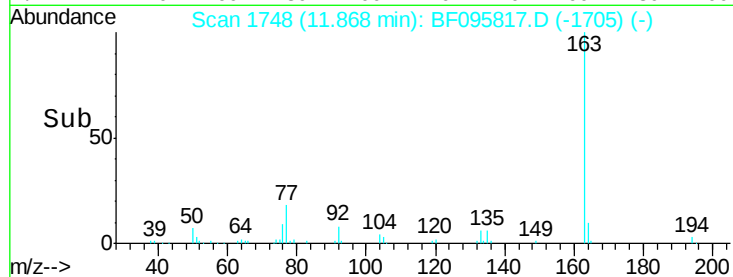
164 10.3 8.4 12.6



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: 5.30 ng

RT: 12.57 min Scan# 1868

Delta R.T. -0.10 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

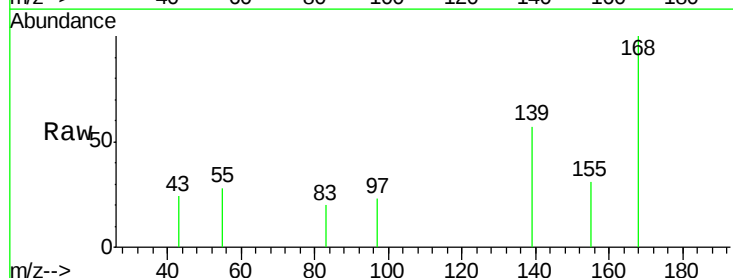
Tgt Ion:139 Resp: 960

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

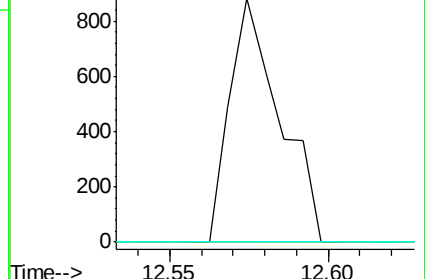
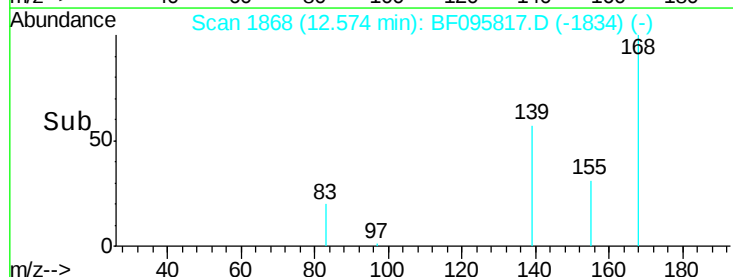
65 0.0 31.4 71.4#

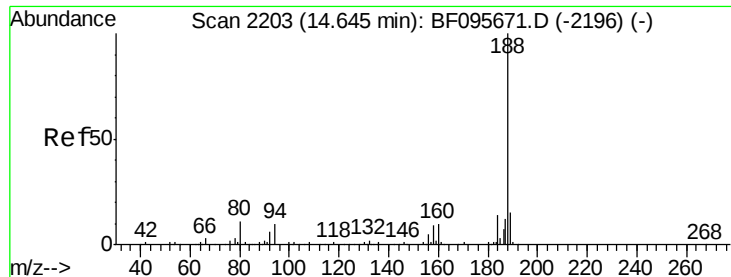


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

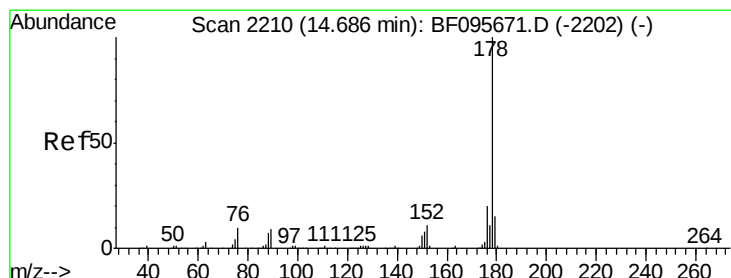
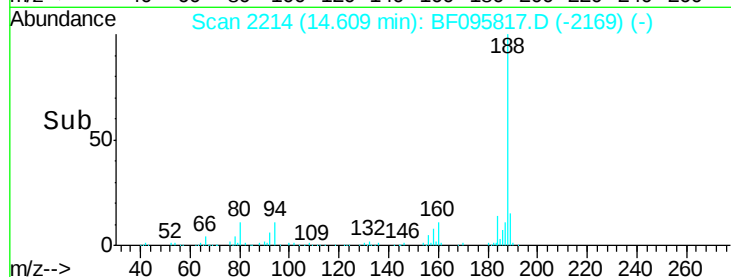
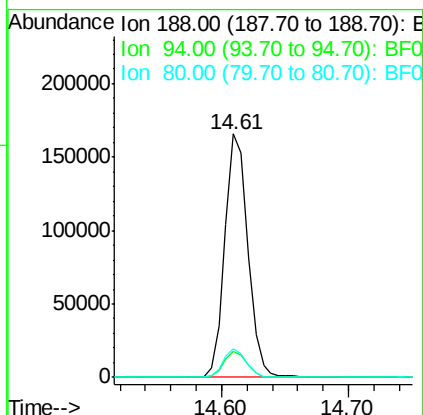
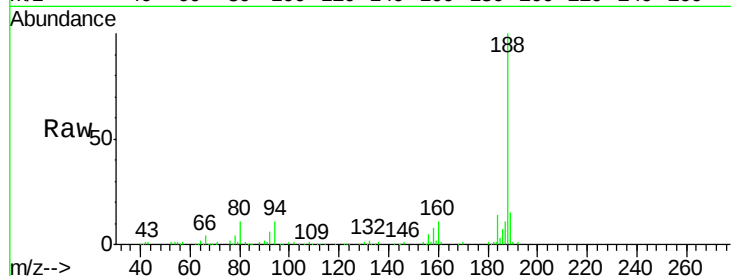




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.61 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF095817.D
Acq: 9 Jun 2017 12:47

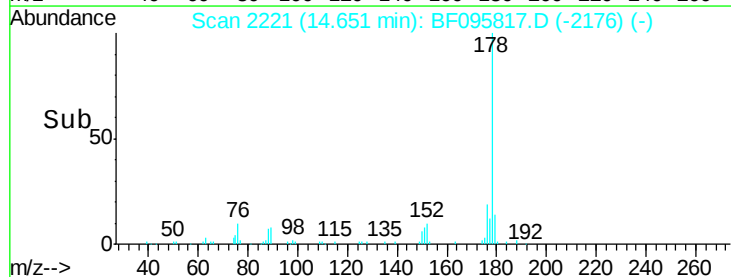
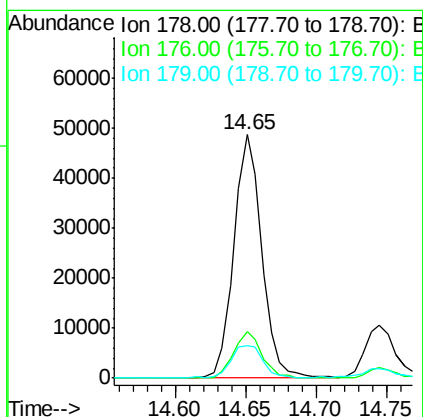
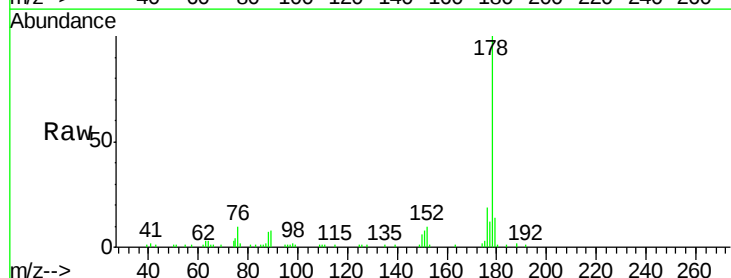
Instrument :
BNA_F
ClientSampleId :
S-12

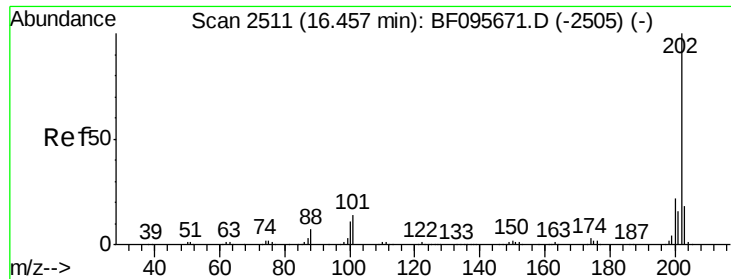
Tgt Ion:188 Resp: 208867
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 11.5 10.2 15.2



#70
Phenanthrene
Concen: 5.58 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095817.D
Acq: 9 Jun 2017 12:47

Tgt Ion:178 Resp: 67242
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 13.6 12.6 19.0

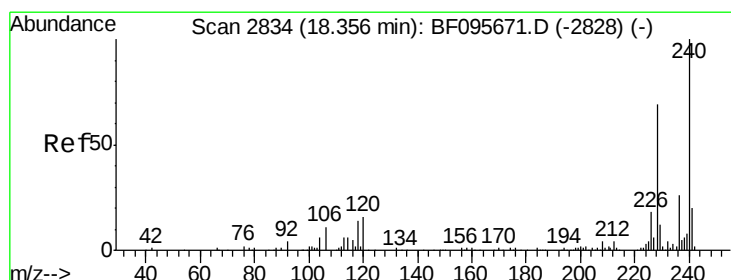
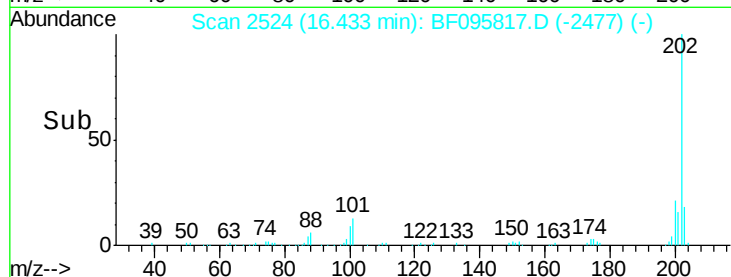
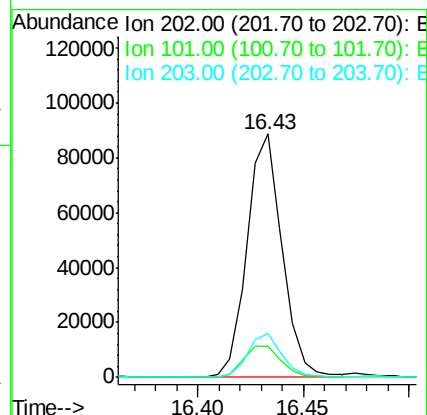
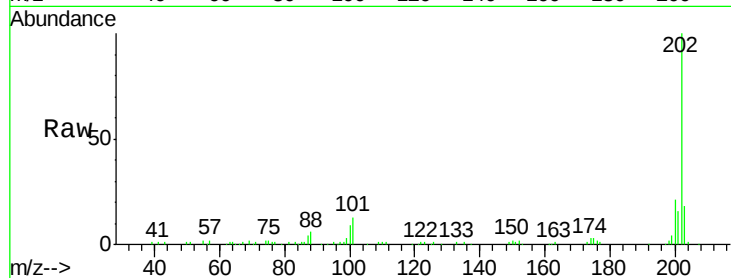




#74
 Fluoranthene
 Concen: 8.59 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095817.D
 Acq: 9 Jun 2017 12:47

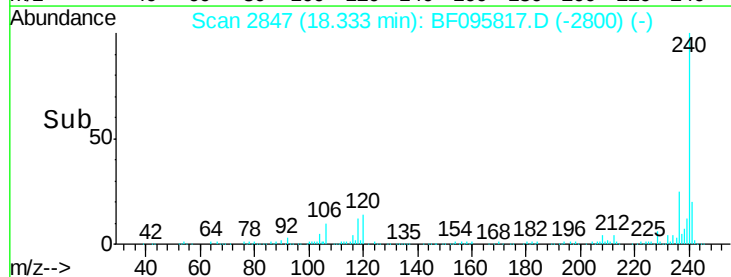
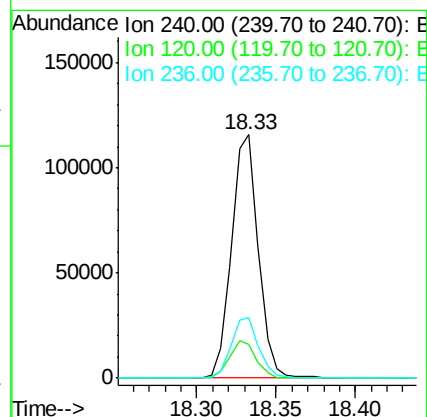
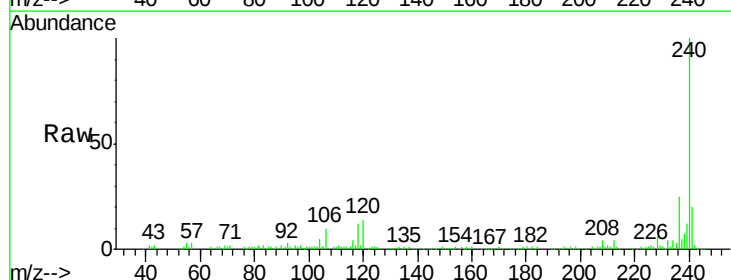
Instrument :
 BNA_F
 ClientSampleId :
 S-12

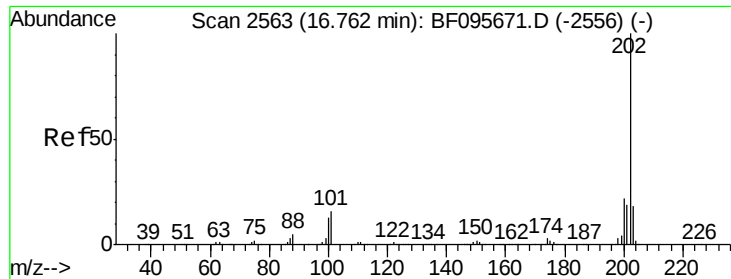
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	18.3	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095817.D
 Acq: 9 Jun 2017 12:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	25.1	20.5	30.7

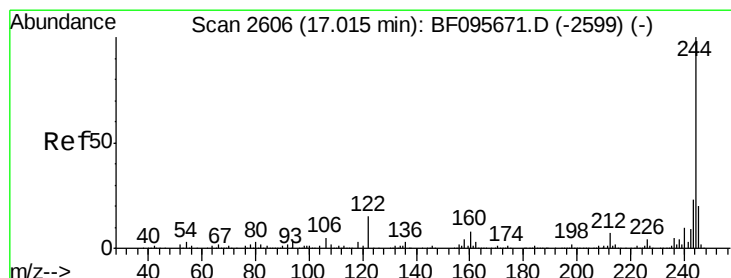
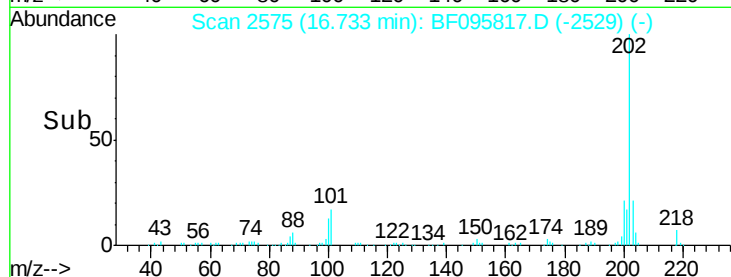
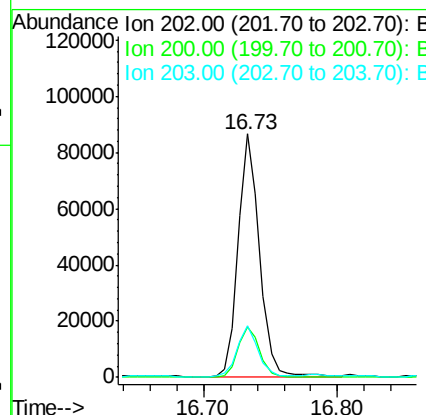
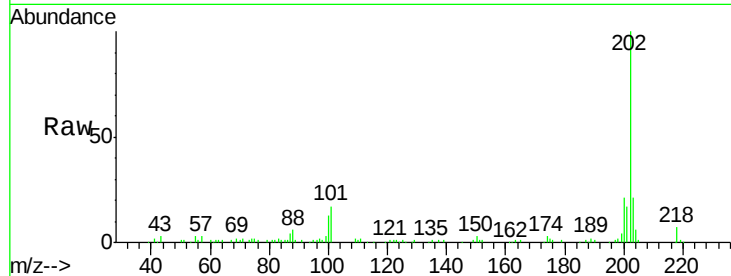




#77
 Pyrene
 Concen: 9.71 ng
 RT: 16.73 min Scan# 2575
 Delta R.T. -0.03 min
 Lab File: BF095817.D
 Acq: 9 Jun 2017 12:47

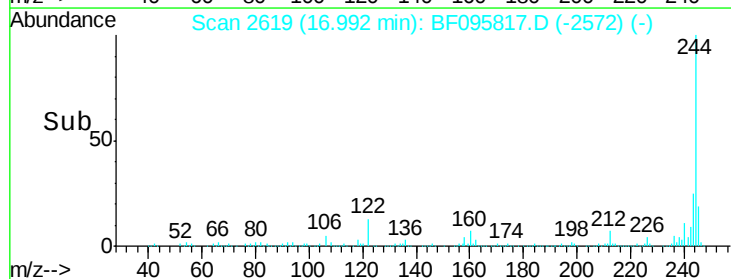
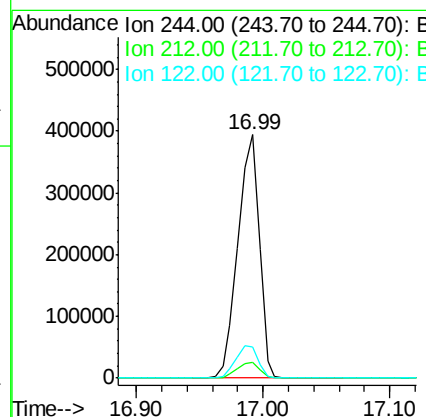
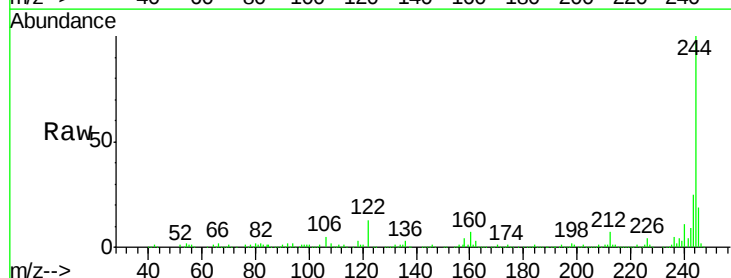
Instrument :
 BNA_F
 ClientSampleId :
 S-12

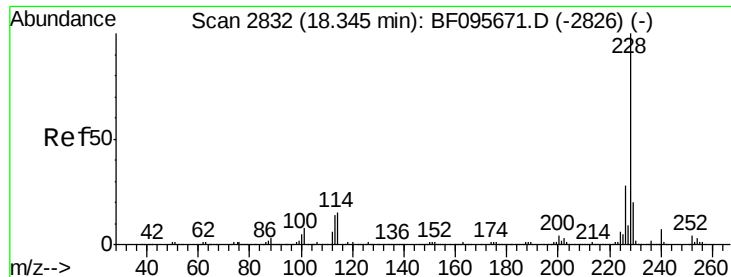
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	21.0	14.4	21.6



#78
 Terphenyl-d14
 Concen: 84.32 ng
 RT: 16.99 min Scan# 2619
 Delta R.T. -0.02 min
 Lab File: BF095817.D
 Acq: 9 Jun 2017 12:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.0	10.3	15.5





#80

Benzo(a)anthracene

Concen: 4.37 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

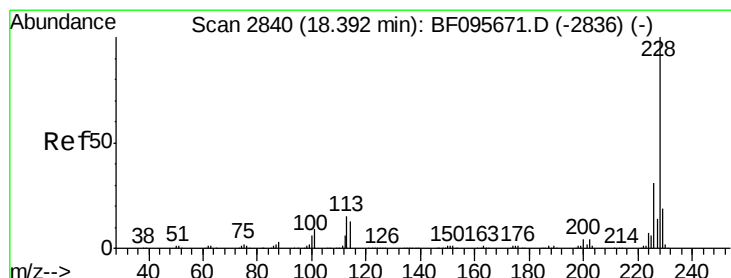
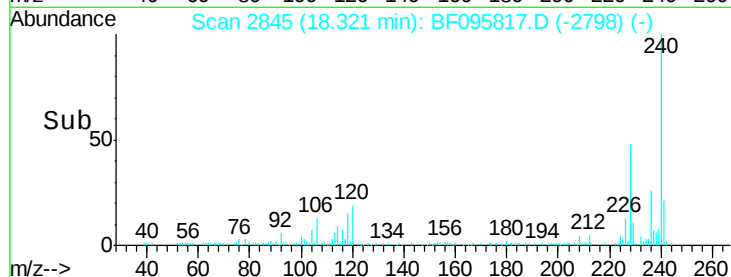
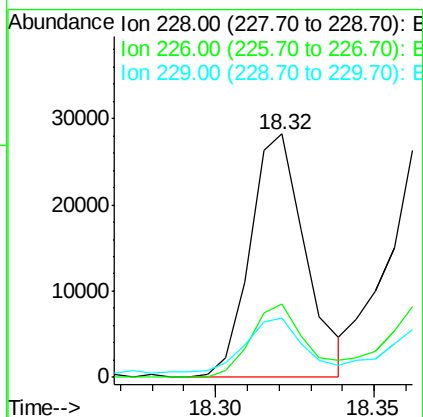
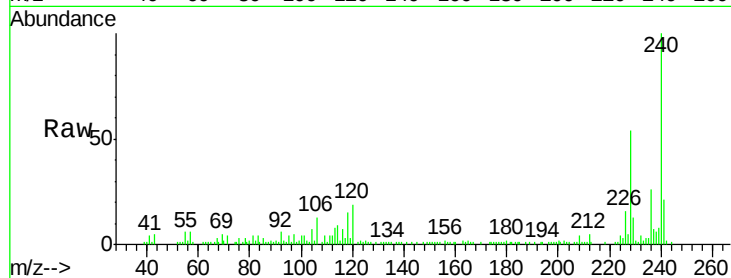
Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	228	Resp:	34293
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.6	33.8
229	24.4	16.3	24.5



#82

Chrysene

Concen: 4.63 ng

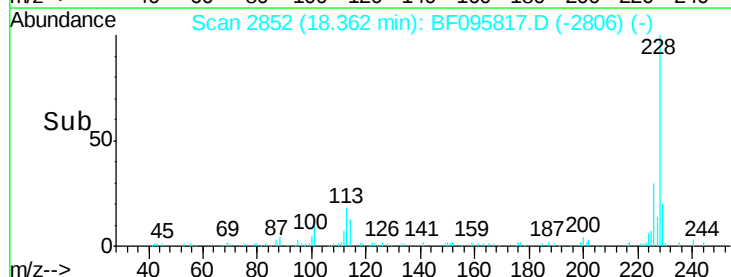
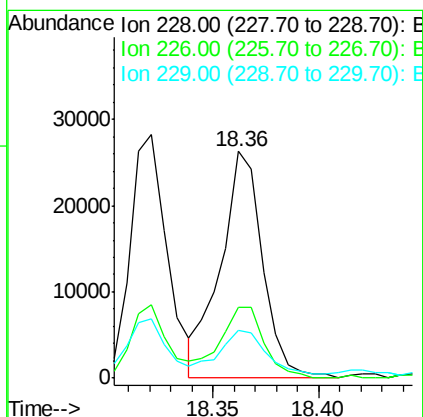
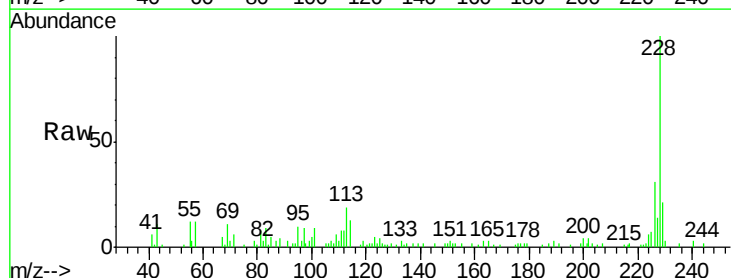
RT: 18.36 min Scan# 2852

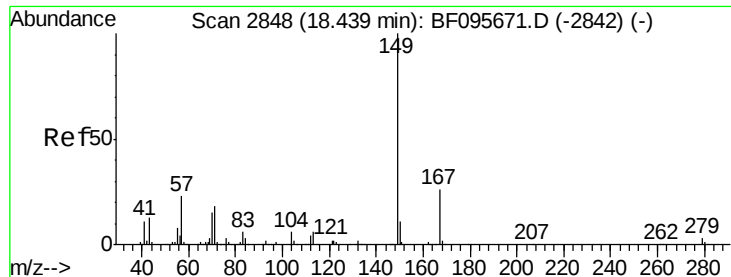
Delta R.T. -0.03 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

Tgt Ion:	228	Resp:	36255
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.9	37.3
229	21.2	15.8	23.6

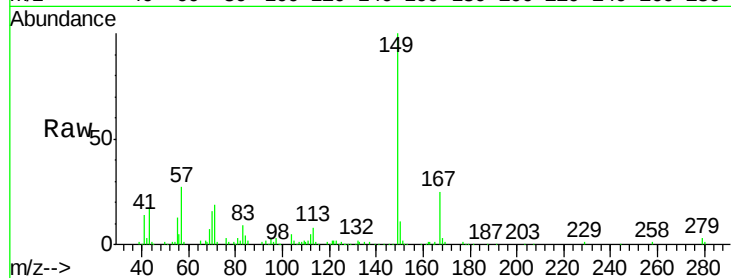




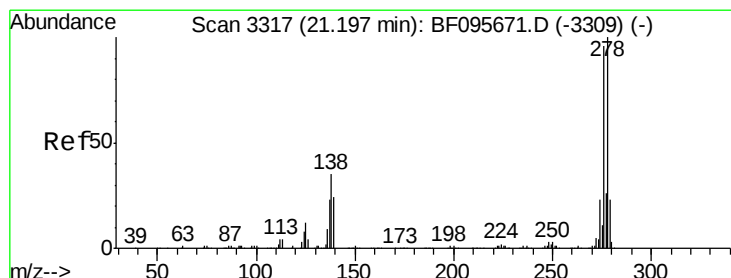
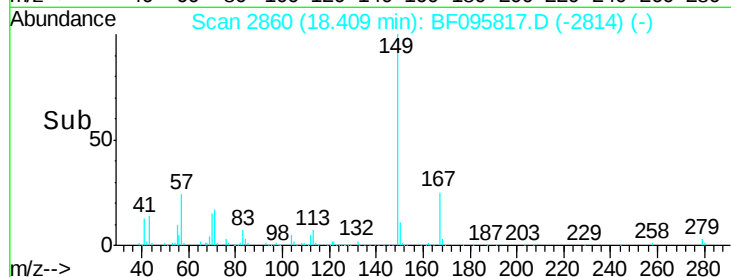
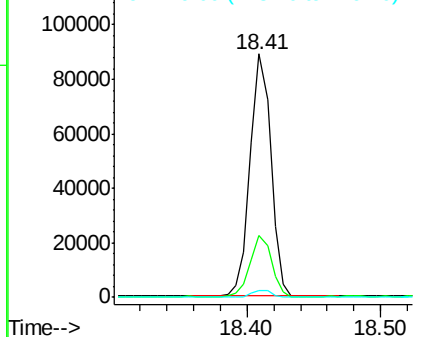
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 15.37 ng
 RT: 18.41 min Scan# 2860
 Delta R.T. -0.03 min
 Lab File: BF095817.D
 Acq: 9 Jun 2017 12:47

Instrument :
 BNA_F
 ClientSampleId :
 S-12

Tgt Ion:149 Resp: 95285
 Ion Ratio Lower Upper
 149 100
 167 25.3 21.0 31.4
 279 2.9 1.9 2.9#

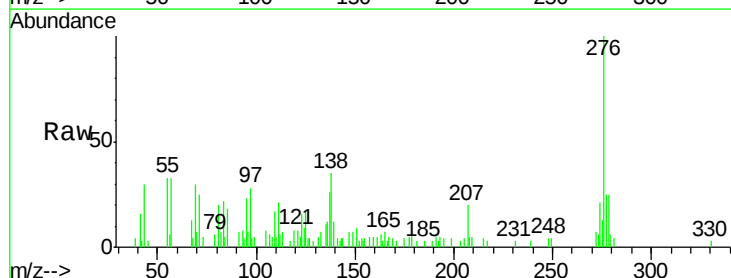


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

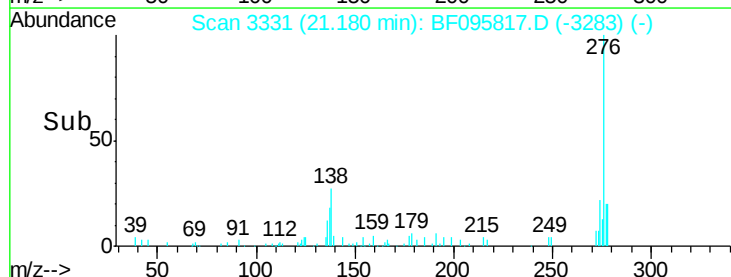
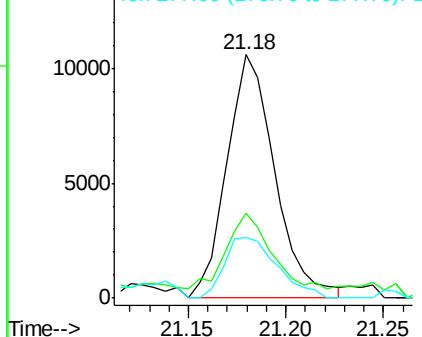


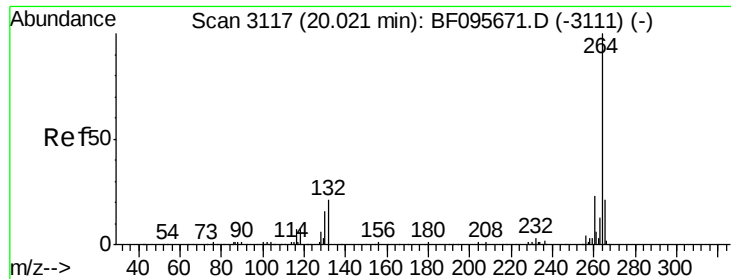
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.71 ng
 RT: 21.18 min Scan# 3331
 Delta R.T. -0.02 min
 Lab File: BF095817.D
 Acq: 9 Jun 2017 12:47

Tgt Ion:276 Resp: 18155
 Ion Ratio Lower Upper
 276 100
 138 27.7 27.8 41.6#
 277 26.9 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



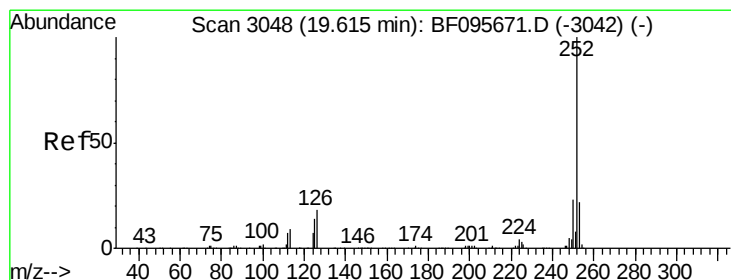
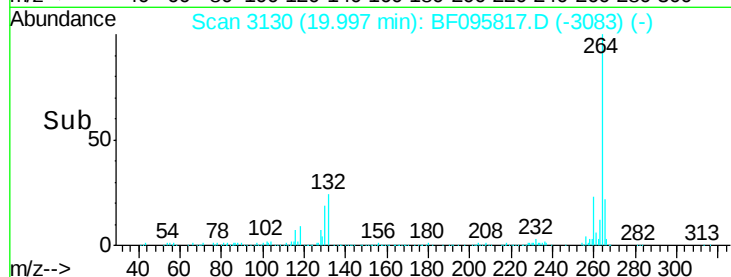
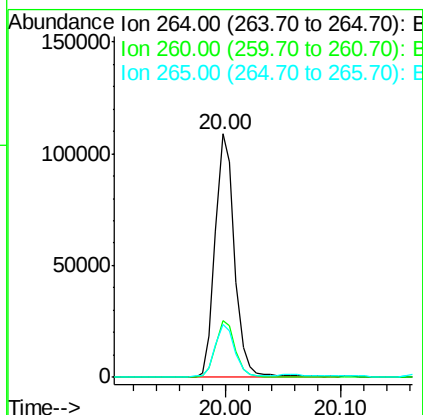
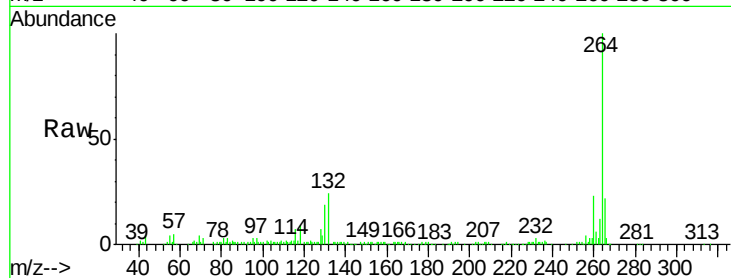


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095817.D
Acq: 9 Jun 2017 12:47

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:264 Resp: 127743

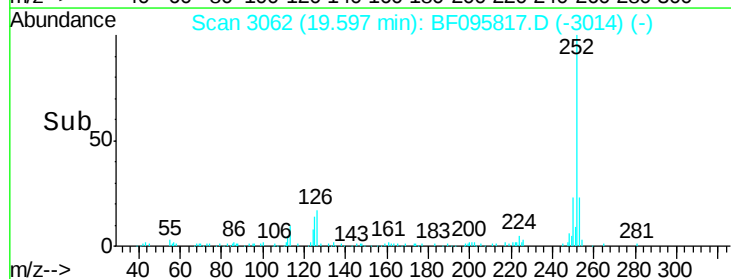
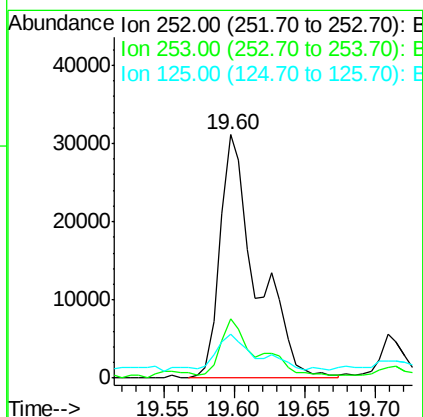
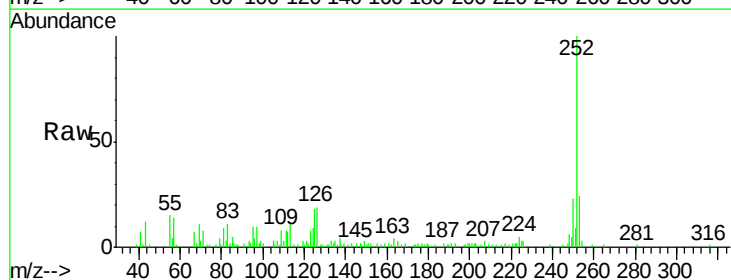
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.5	17.2	25.8

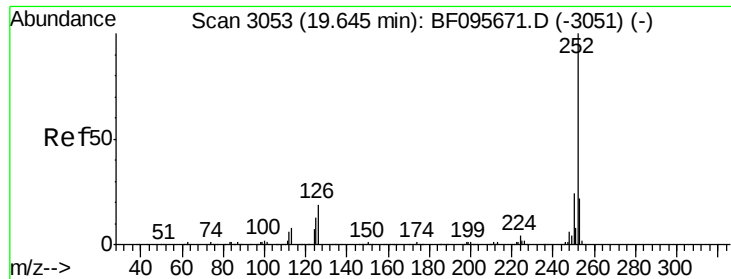


#87
Benzo(b)fluoranthene
Concen: 7.03 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095817.D
Acq: 9 Jun 2017 12:47

Tgt Ion:252 Resp: 56235

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	18.1	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 7.36 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.05 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

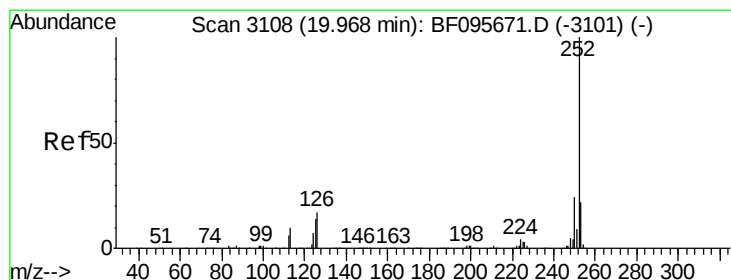
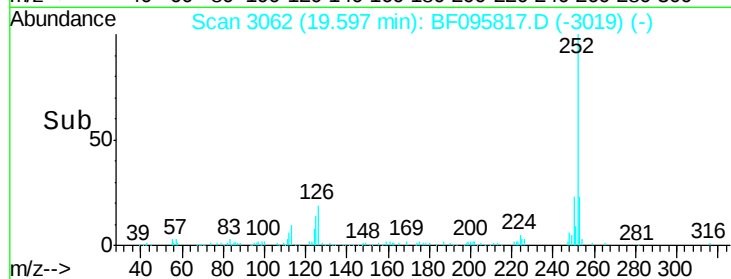
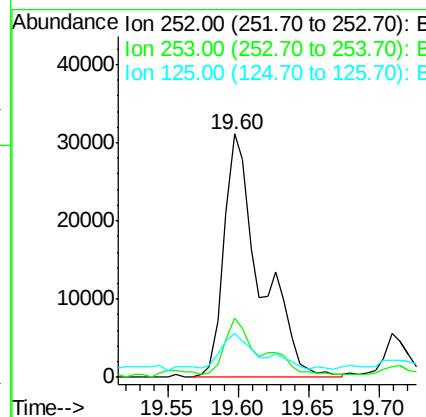
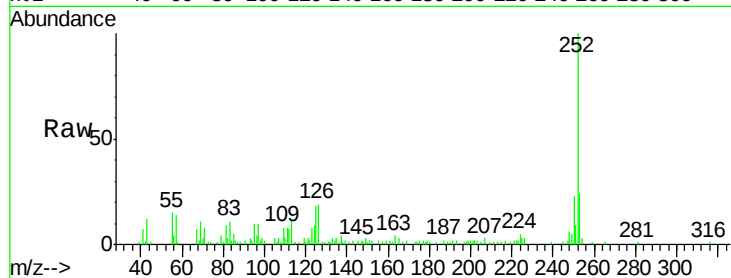
Instrument :

BNA_F

ClientSampleId :

S-12

Tgt Ion:	252	Resp:	56235
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.4	27.6
125	18.1	13.1	19.7



#89

Benzo(a)pyrene

Concen: 4.15 ng

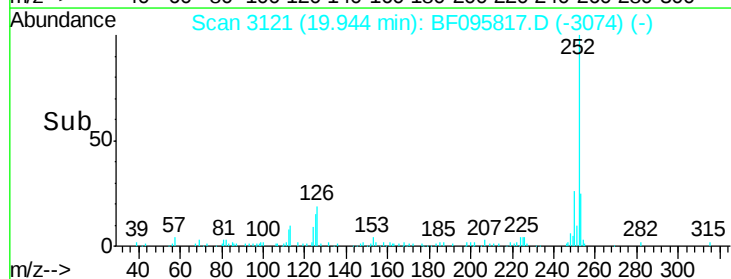
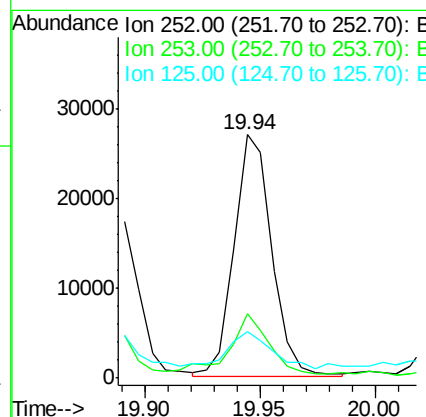
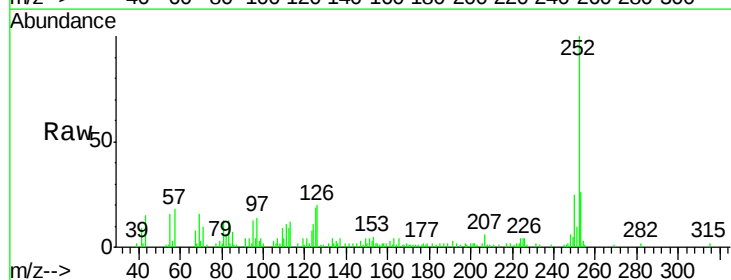
RT: 19.94 min Scan# 3121

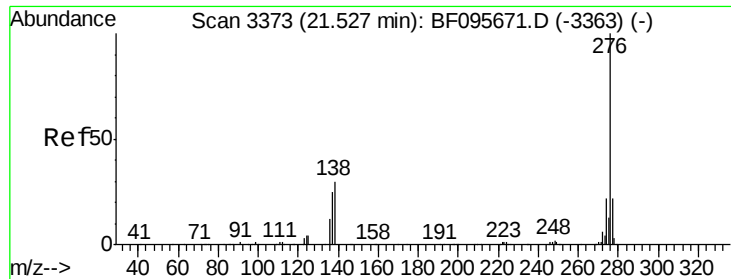
Delta R.T. -0.02 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

Tgt Ion:	252	Resp:	30526
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.5	26.3#
125	18.9	11.0	16.4#





#91

Benzo(g,h,i)perylene

Concen: 2.82 ng

RT: 21.52 min Scan# 3389

Delta R.T. -0.01 min

Lab File: BF095817.D

Acq: 9 Jun 2017 12:47

Instrument :

BNA_F

ClientSampleId :

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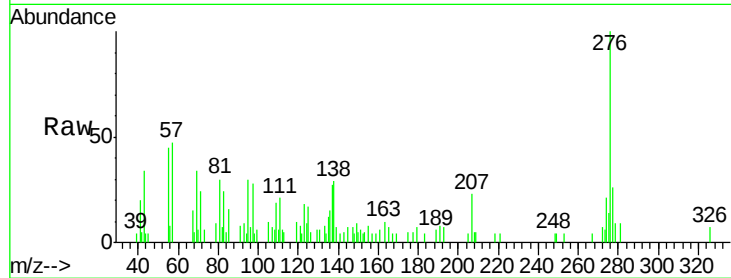
Tgt Ion: 276 Resp: 17943

Ion Ratio Lower Upper

276 100

277 25.6 18.6 28.0

138 28.7 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

