

Data File : BF095842.D
Acq On : 10 Jun 2017 2:20
Operator : SJ/MA
Sample : I3457-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-6

Quant Time: Jun 10 03:36:28 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	68021	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	272259	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	116772	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	181805	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	140543	20.00	ng	-0.02
86) Perylene-d12	20.00	264	118586	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	500559	117.26	ng	-0.02
7) Phenol-d6	6.93	99	597551	116.93	ng	-0.03
23) Nitrobenzene-d5	8.29	82	330049	75.29	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	102357	99.07	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	494057	58.88	ng	-0.04
78) Terphenyl-d14	16.99	244	281332	49.68	ng	-0.03

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.29	70	41711	12.88	ng	# 74
48) Acenaphthylene	12.00	152	30663	2.38	ng	97
49) Dimethylphthalate	11.87	163	83357	9.40	ng	98
55) 4-Nitrophenol	12.58	139	1174	5.47	ng	# 25
70) Phenanthrene	14.65	178	46349	4.42	ng	99
71) Anthracene	14.65	178	46349	4.23	ng	99
74) Fluoranthene	16.43	202	171422	16.51	ng	97
77) Pyrene	16.73	202	198425	18.92	ng	96
80) Benzo(a)anthracene	18.32	228	120775	14.78	ng	97
82) Chrysene	18.36	228	114186	13.98	ng	97
85) Indeno(1,2,3-cd)pyrene	21.18	276	44818	6.41	ng	94
87) Benzo(b)fluoranthene	19.60	252	167081	22.50	ng	97
88) Benzo(k)fluoranthene	19.60	252	167081	23.54	ng	96
89) Benzo(a)pyrene	19.94	252	98718	14.46	ng	94
90) Dibenzo(a,h)anthracene	21.17	278	13029	2.25	ng	# 79
91) Benzo(g,h,i)perylene	21.51	276	43827	7.43	ng	98

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

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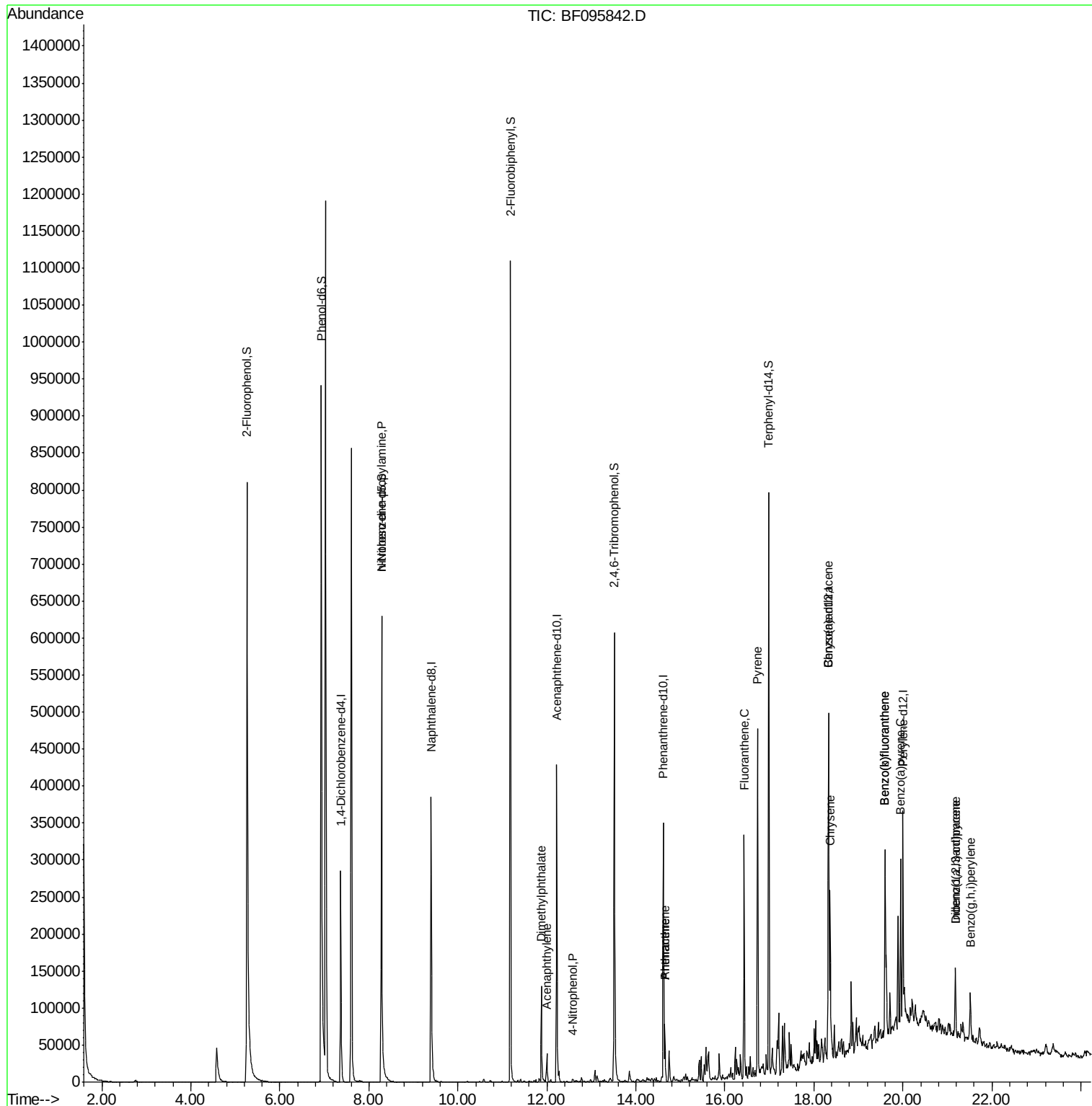
Quant Time: Jun 10 03:36:28 2017

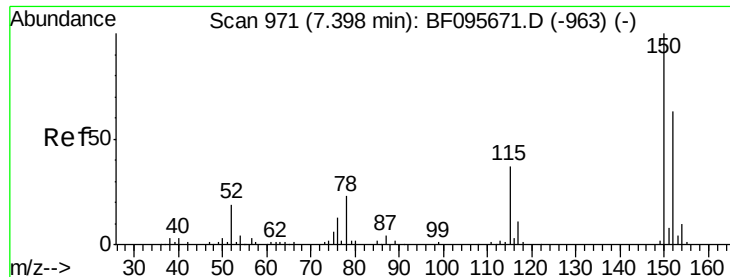
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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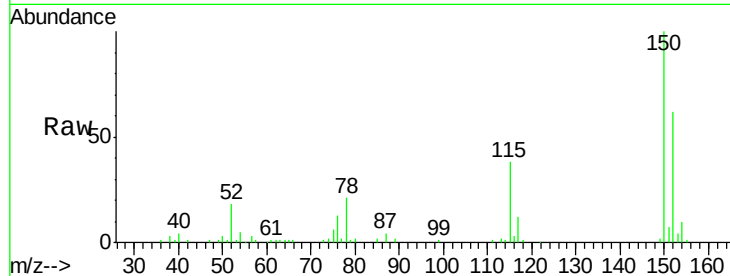


#1

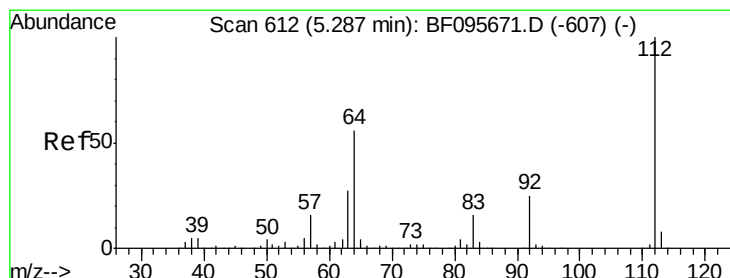
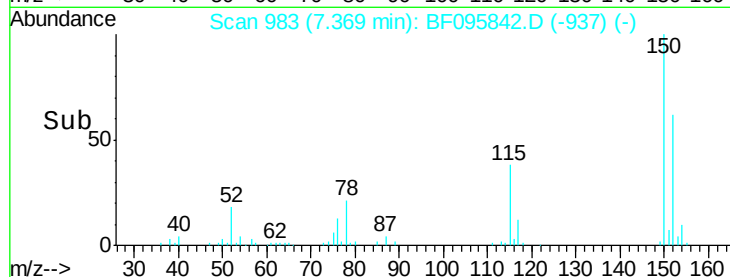
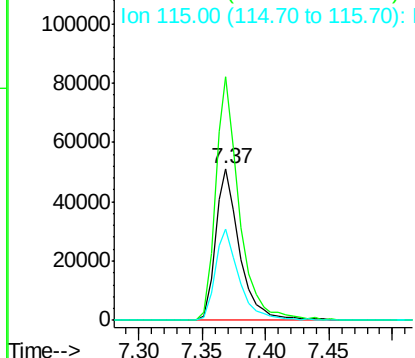
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Instrument :
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ClientSampleId :
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Tgt Ion:152 Resp: 68021
Ion Ratio Lower Upper
152 100
150 160.2 126.2 189.2
115 60.4 52.2 78.2



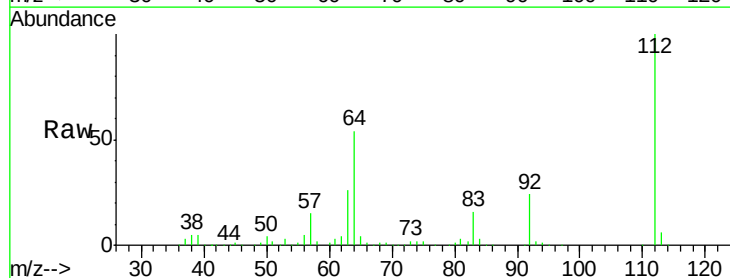
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



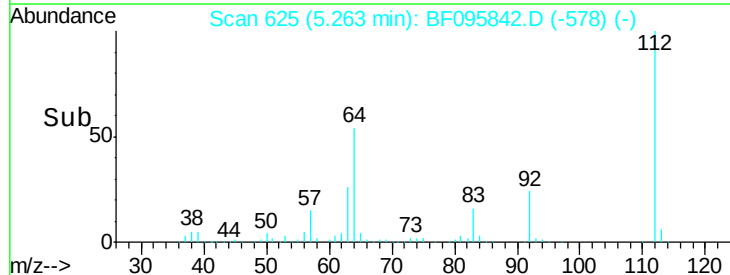
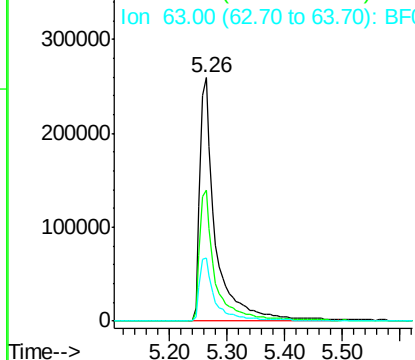
#5

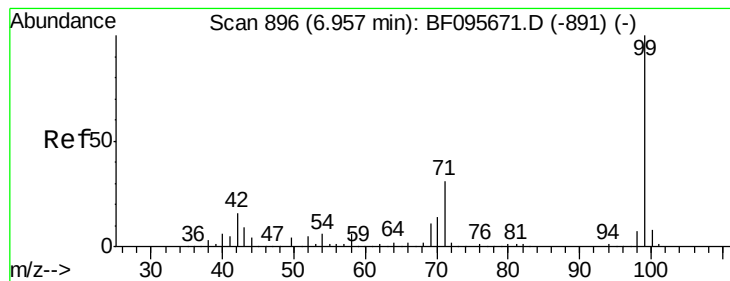
2-Fluorophenol
Concen: 117.26 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Tgt Ion:112 Resp: 500559
Ion Ratio Lower Upper
112 100
64 53.9 46.0 69.0
63 26.1 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: 116.93 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampleId :

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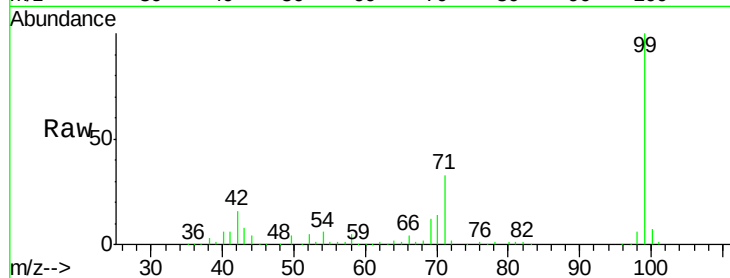
Tgt Ion: 99 Resp: 597551

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

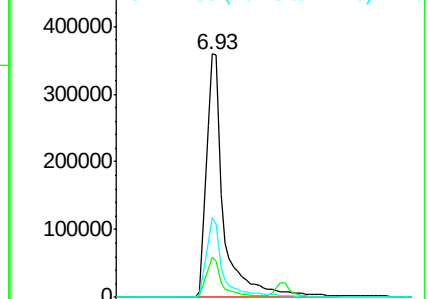
71 32.9 24.5 36.7



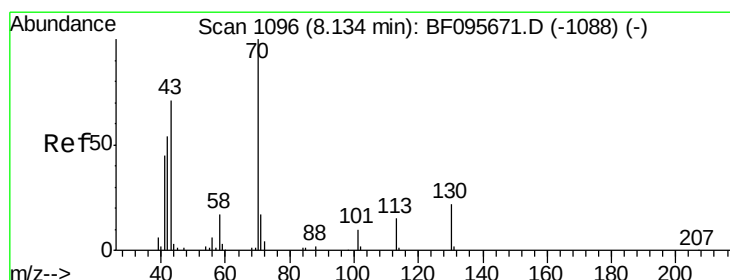
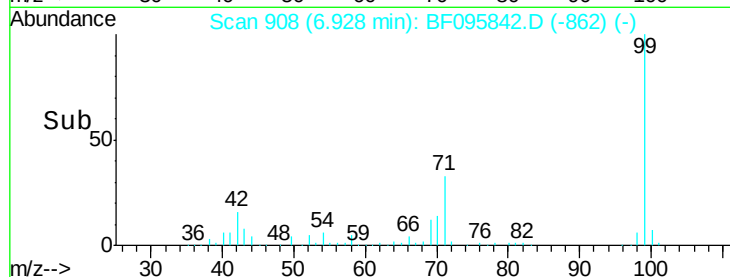
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time--> 6.80 6.90 7.00 7.10



#19

n-Nitroso-di-n-propylamine

Concen: 12.88 ng

RT: 8.29 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Tgt Ion: 70 Resp: 41711

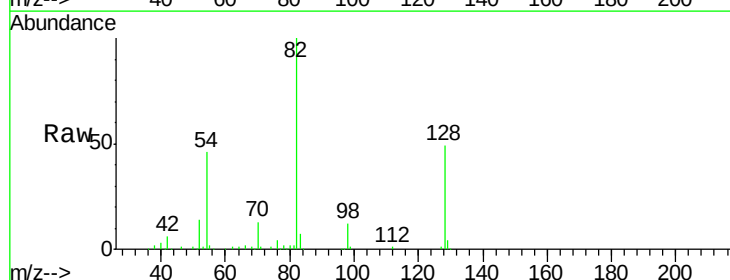
Ion Ratio Lower Upper

70 100

42 42.2 47.2 70.8#

101 0.0 7.2 10.8#

130 3.1 15.9 23.9#

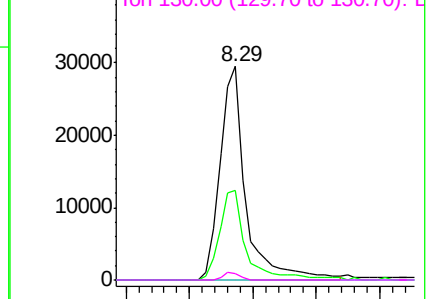


Abundance Ion 70.00 (69.70 to 70.70): BF0

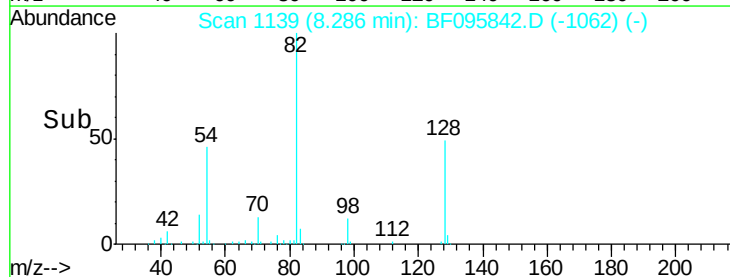
Ion 42.00 (41.70 to 42.70): BF0

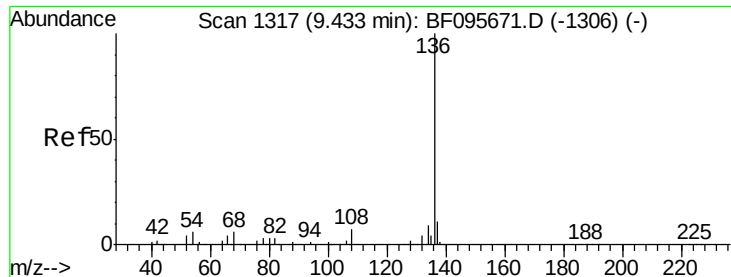
Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



Time--> 8.20 8.25 8.30 8.35 8.40

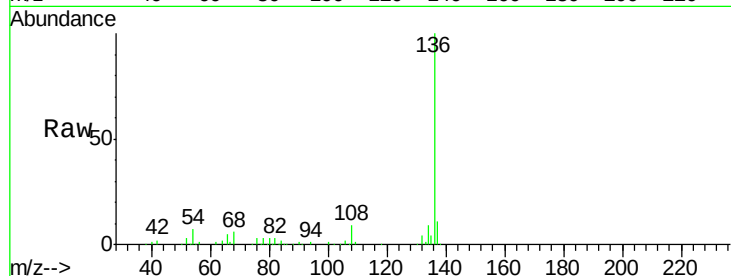




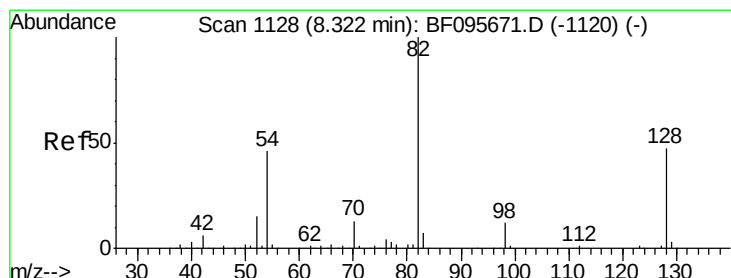
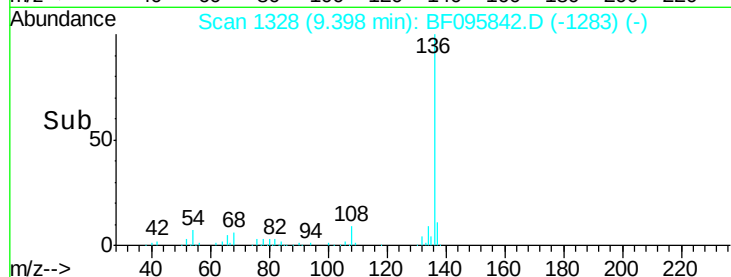
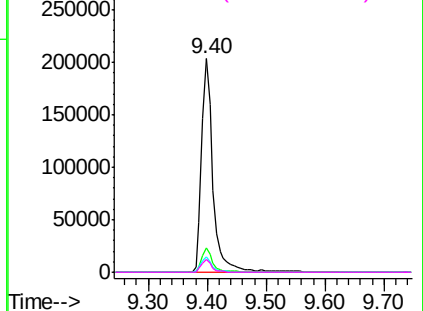
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	272259
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.1	4.9	7.3
68	5.7	4.1	6.1

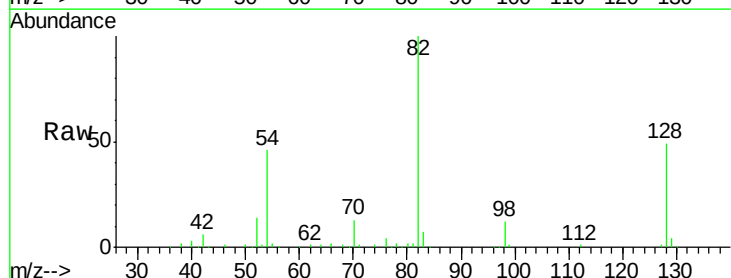


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

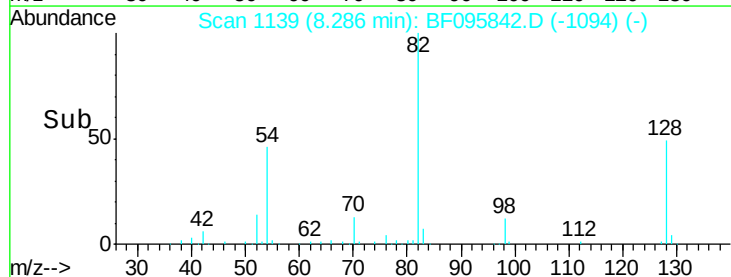
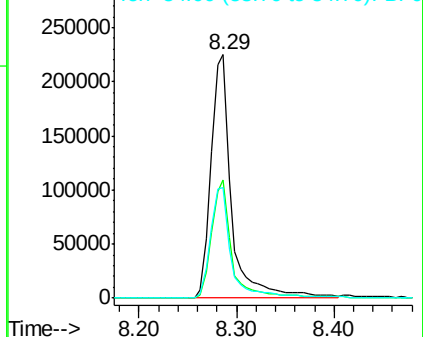


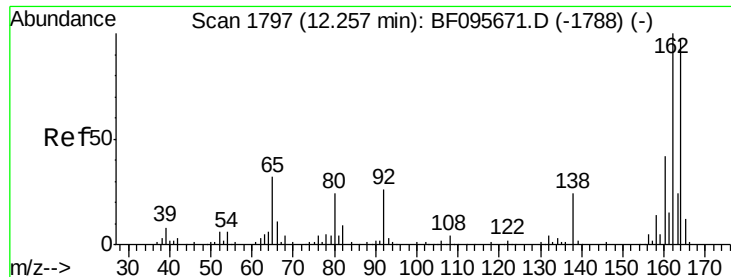
#23
Nitrobenzene-d5
Concen: 75.29 ng
RT: 8.29 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Tgt Ion:	82	Resp:	330049
Ion	Ratio	Lower	Upper
82	100		
128	48.7	34.0	51.0
54	45.5	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: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampled :

S-6

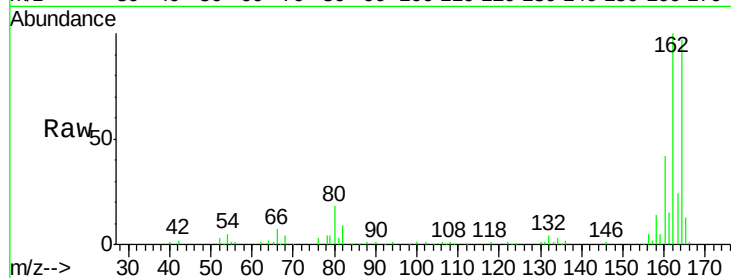
Tgt Ion:164 Resp: 116772

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

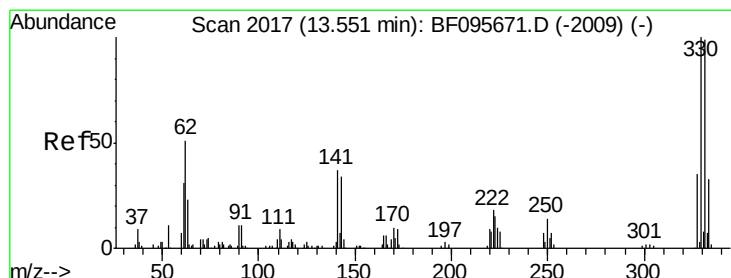
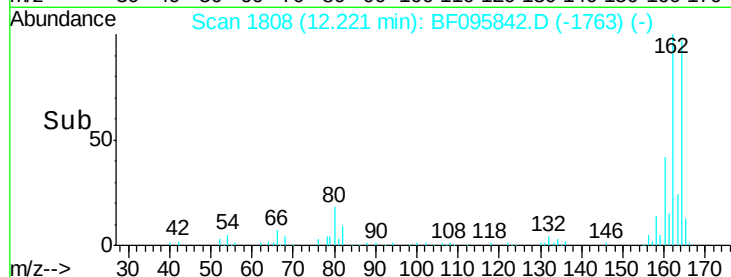
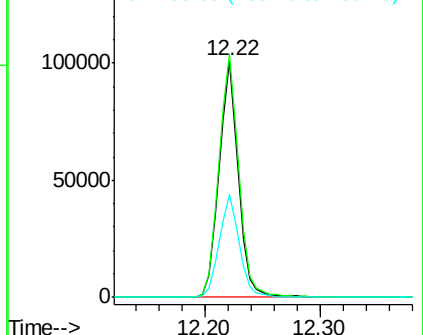
160 43.4 36.2 54.2



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: 99.07 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

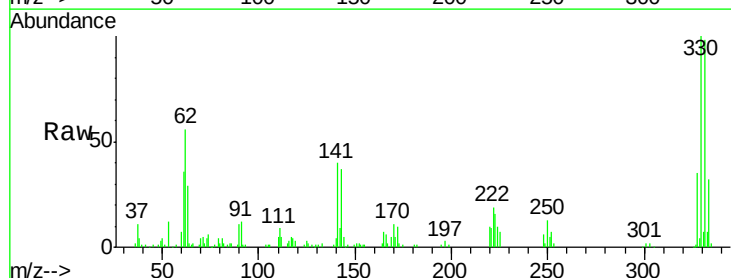
Tgt Ion:330 Resp: 102357

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

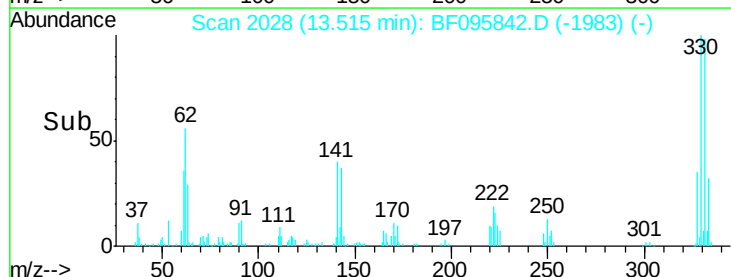
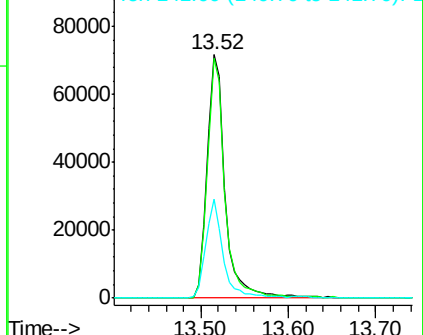
141 39.0 31.4 47.2

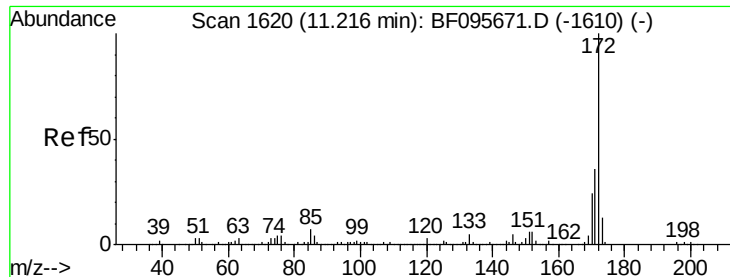


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

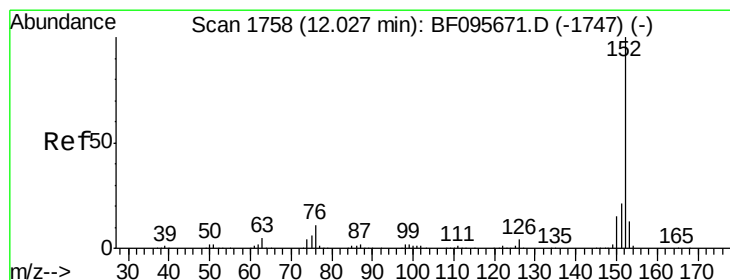
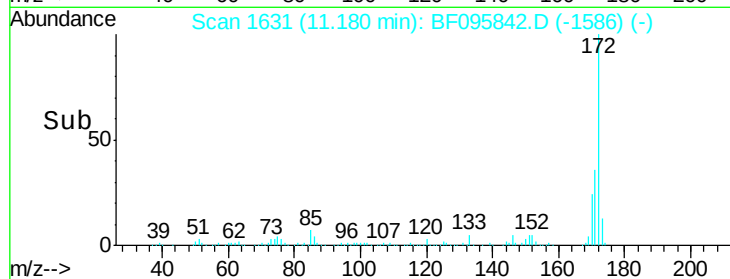
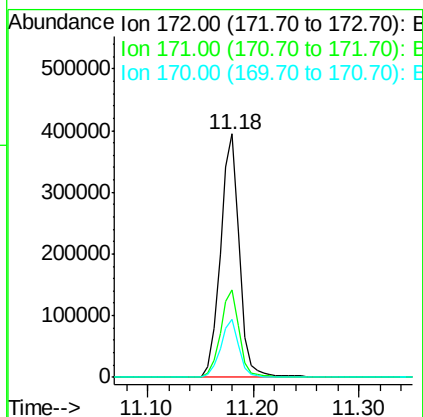
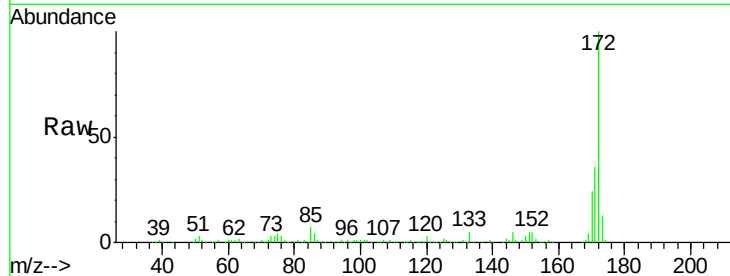




#44
2-Fluorobiphenyl
Concen: 58.88 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

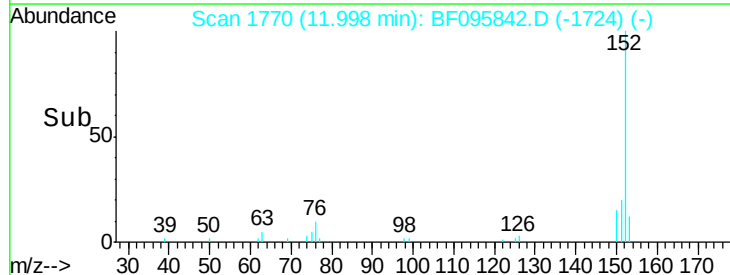
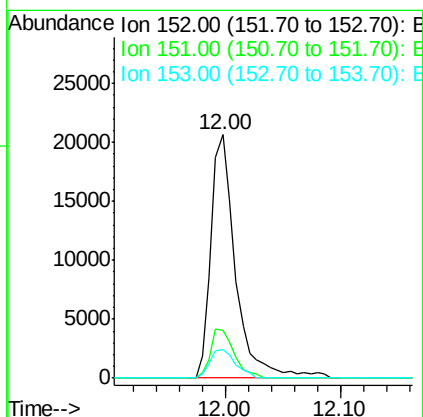
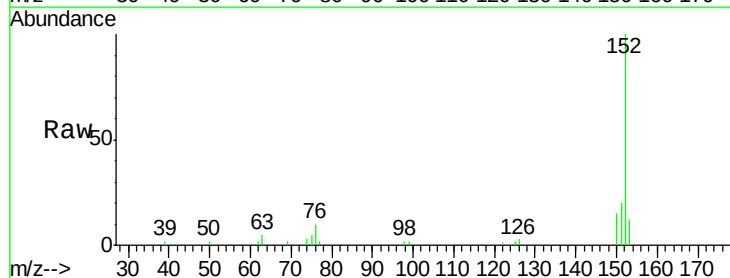
Instrument :
BNA_F
ClientSampleId :
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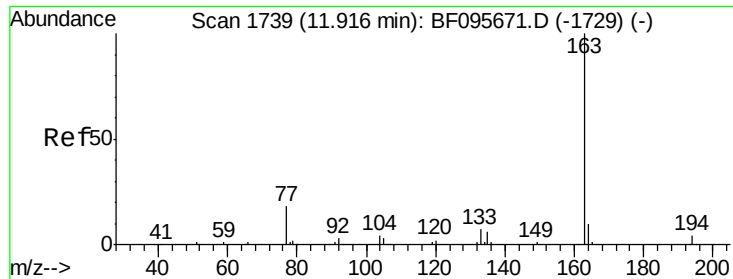
Tgt Ion:172 Resp: 494057
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.0 19.8 29.8



#48
Acenaphthylene
Concen: 2.38 ng
RT: 12.00 min Scan# 1770
Delta R.T. -0.03 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Tgt Ion:152 Resp: 30663
Ion Ratio Lower Upper
152 100
151 19.6 16.8 25.2
153 11.9 10.8 16.2

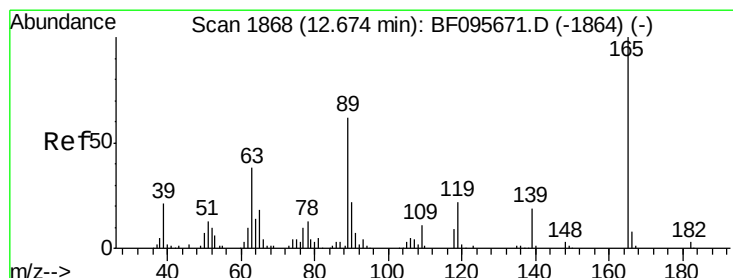
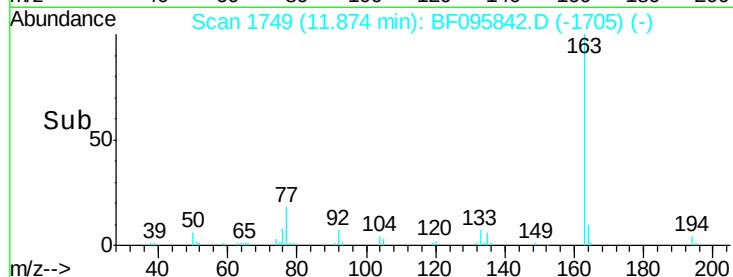
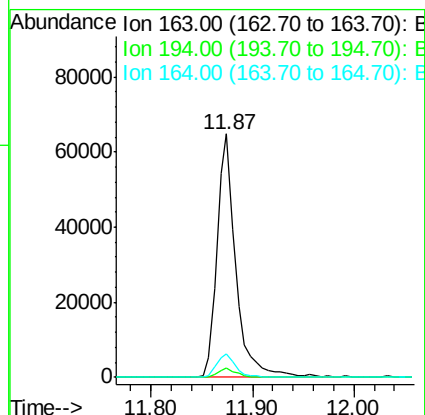
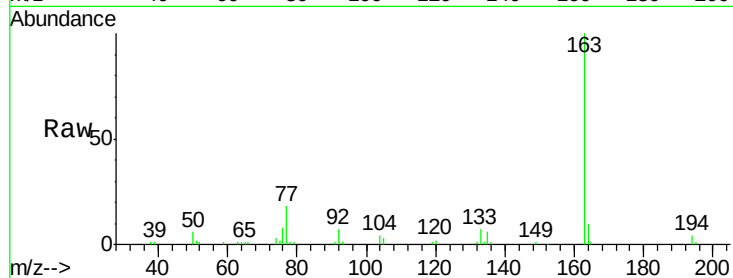




#49
Dimethylphthalate
Concen: 9.40 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

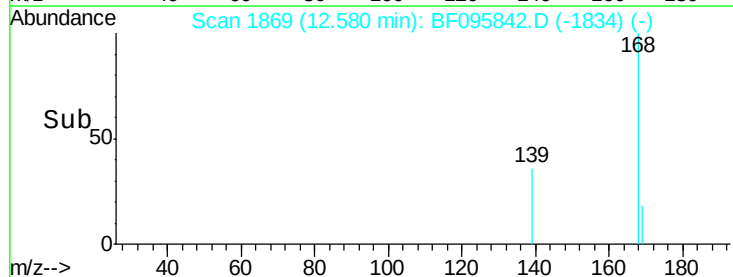
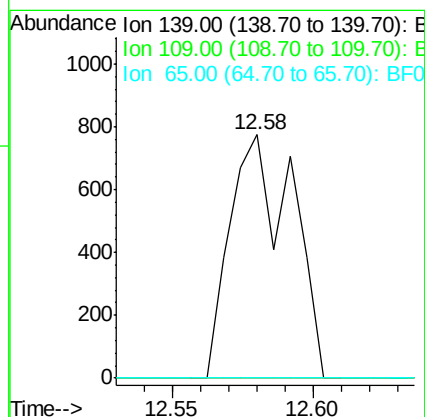
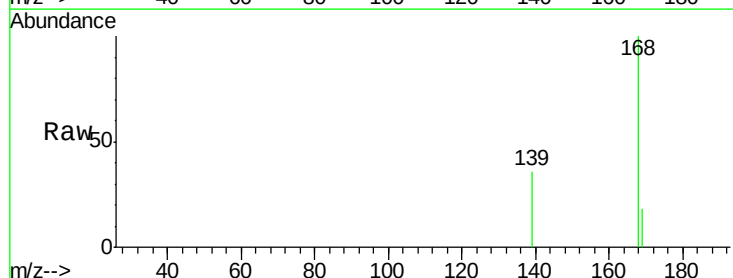
Instrument :
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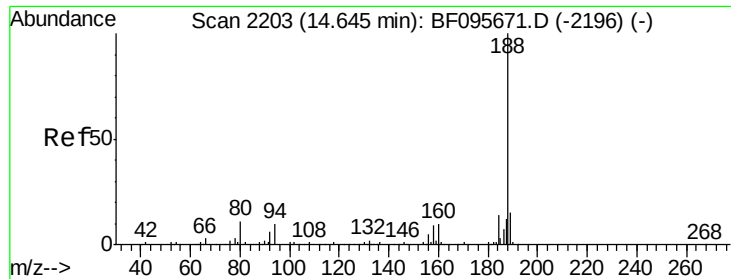
Tgt Ion:163 Resp: 83357
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.8 8.4 12.6



#55
4-Nitrophenol
Concen: 5.47 ng
RT: 12.58 min Scan# 1869
Delta R.T. -0.09 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Tgt Ion:139 Resp: 1174
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

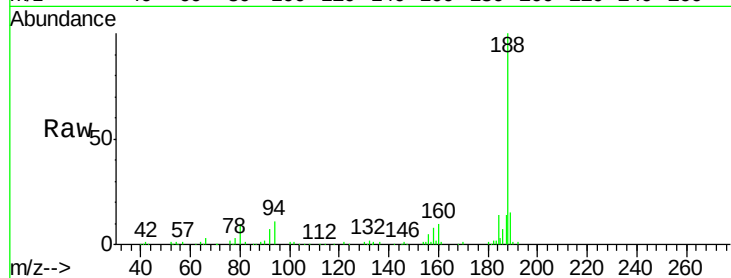




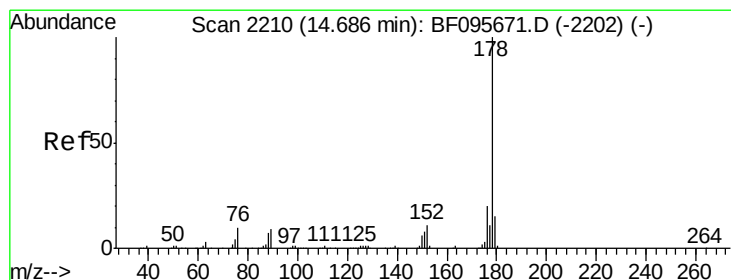
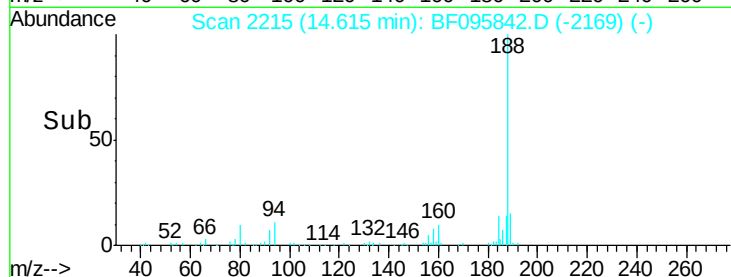
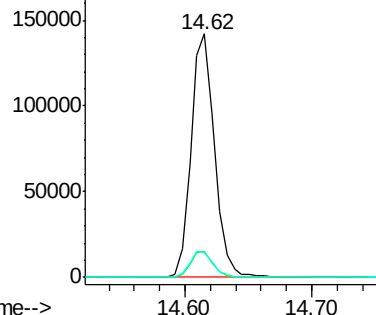
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:188 Resp: 181805
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 10.3 10.2 15.2

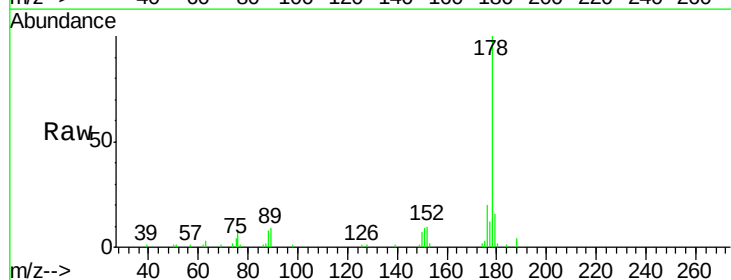


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

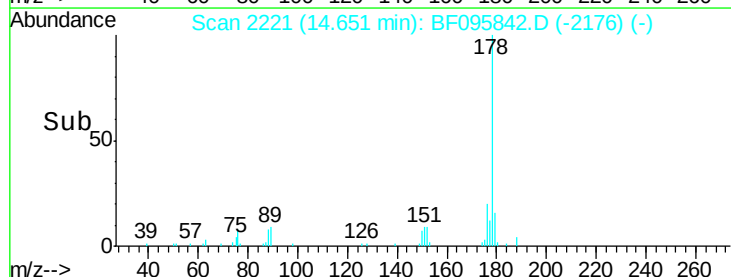
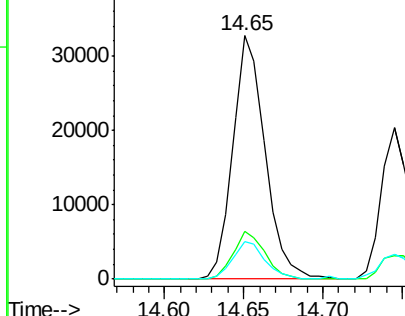


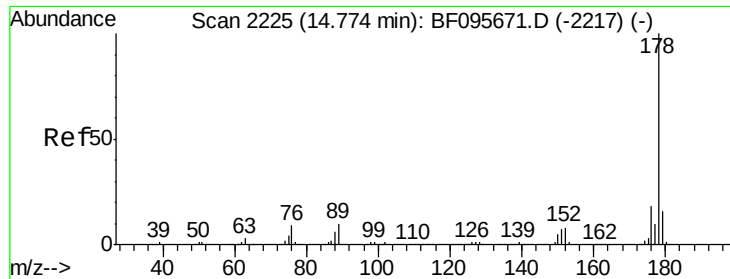
#70
Phenanthrene
Concen: 4.42 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Tgt Ion:178 Resp: 46349
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

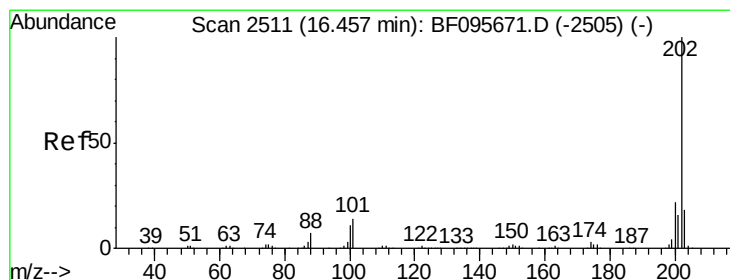
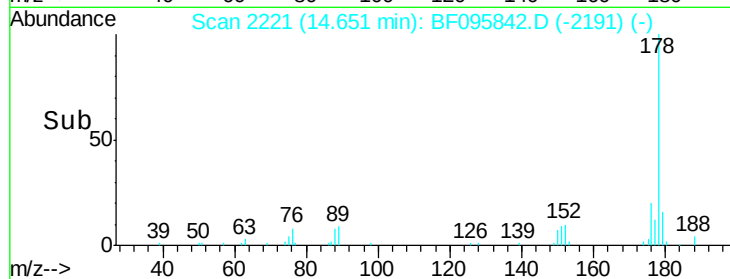
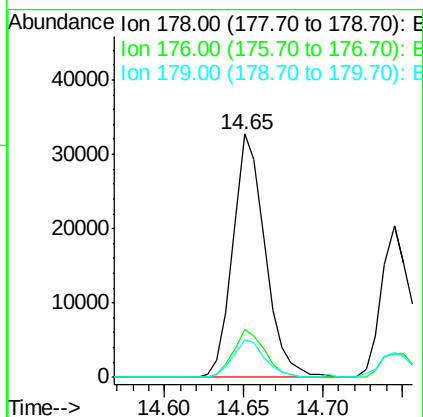
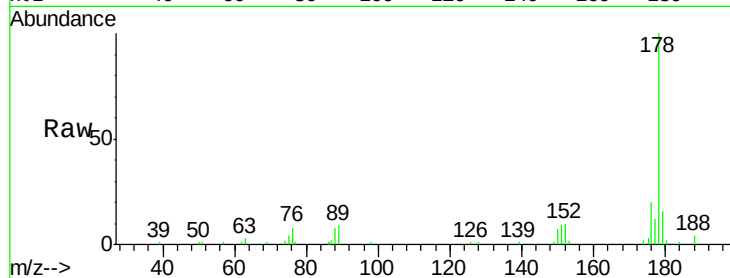




#71
 Anthracene
 Concen: 4.23 ng
 RT: 14.65 min Scan# 2221
 Delta R.T. -0.12 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

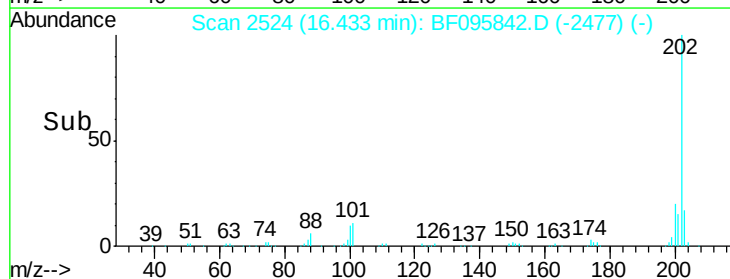
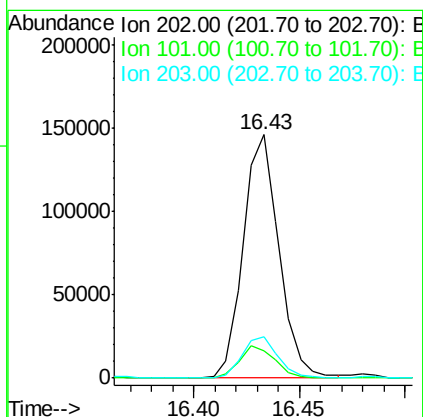
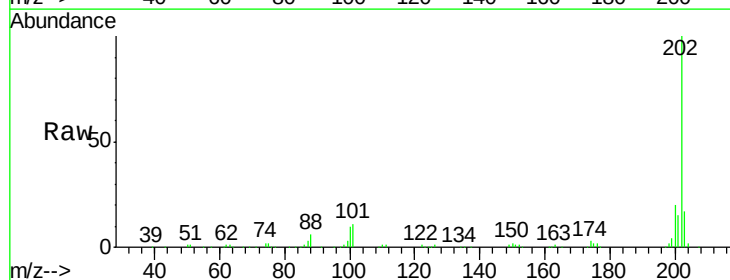
Instrument :
 BNA_F
 ClientSampleId :
 S-6

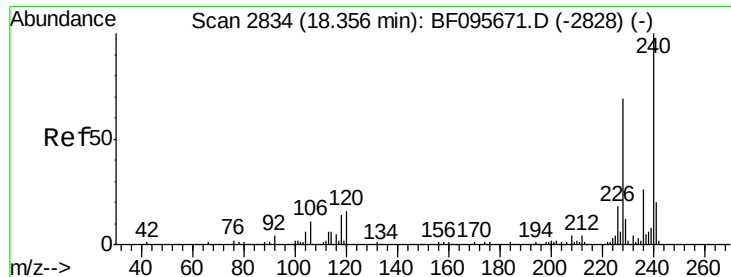
Tgt Ion:178 Resp: 46349
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.6 12.7 19.1



#74
 Fluoranthene
 Concen: 16.51 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

Tgt Ion:202 Resp: 171422
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 33.2
 203 17.2 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: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampleId :

S-6

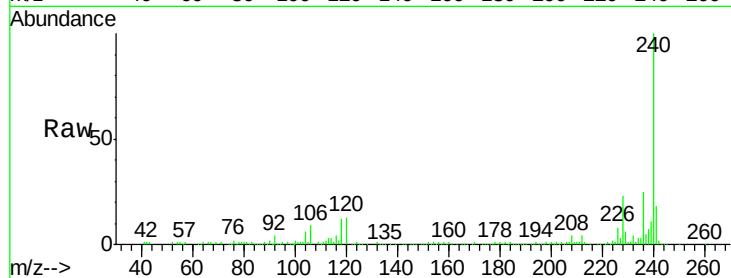
Tgt Ion:240 Resp: 140543

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

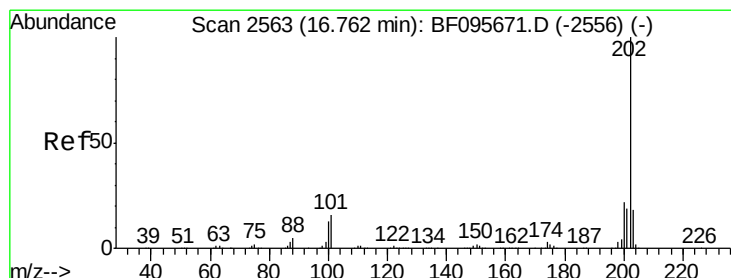
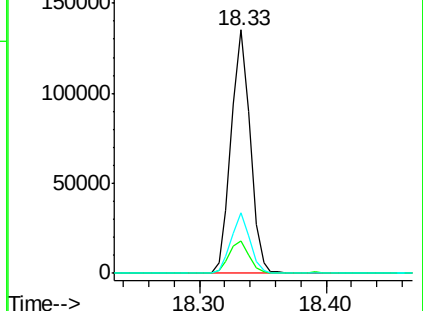
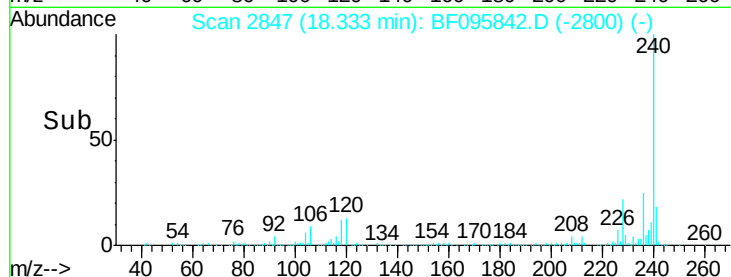
236 24.9 20.5 30.7



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

Pyrene

Concen: 18.92 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

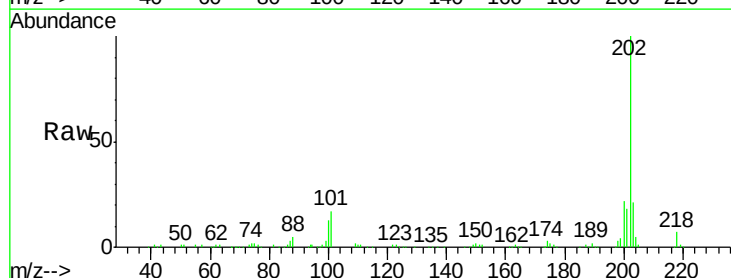
Tgt Ion:202 Resp: 198425

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

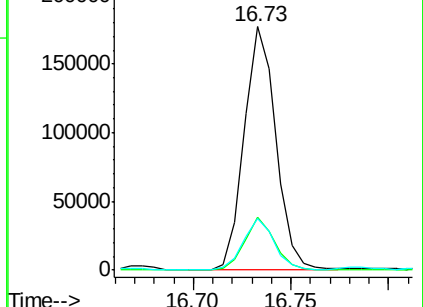
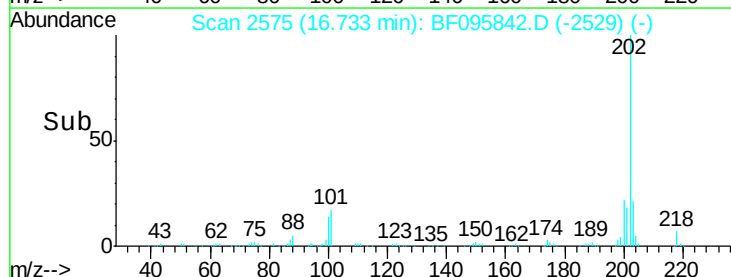
203 21.1 14.4 21.6

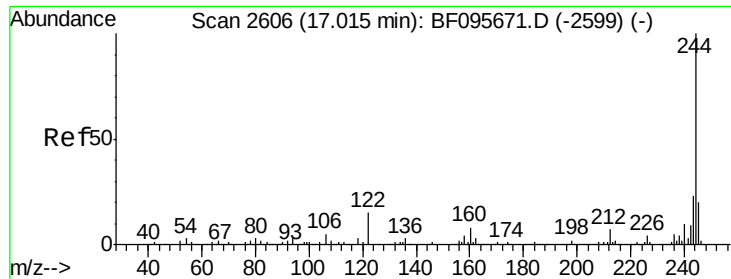


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

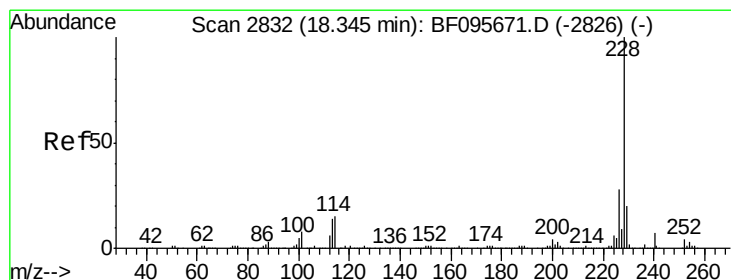
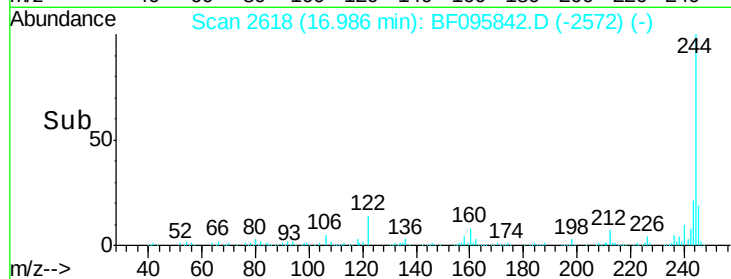
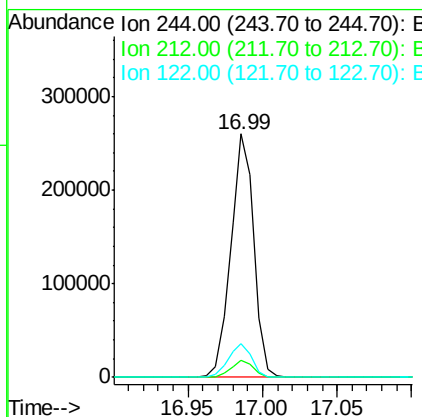
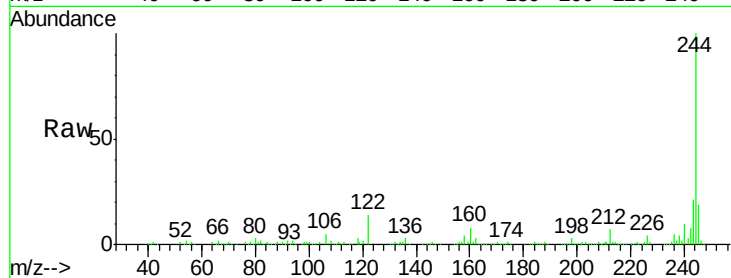




#78
 Terphenyl-d14
 Concen: 49.68 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

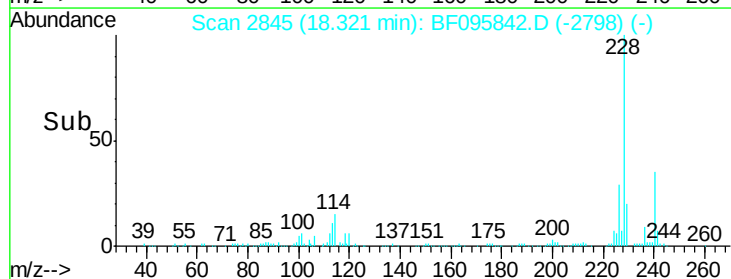
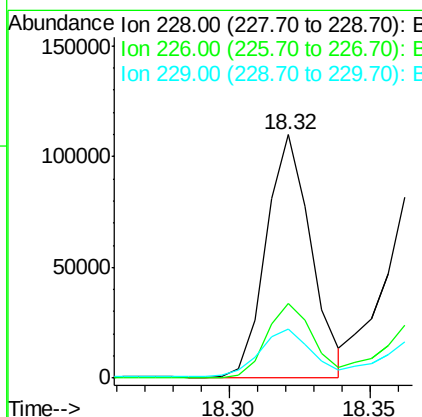
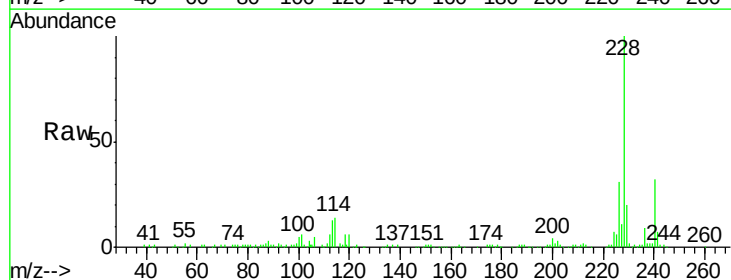
Instrument :
 BNA_F
 ClientSampleId :
 S-6

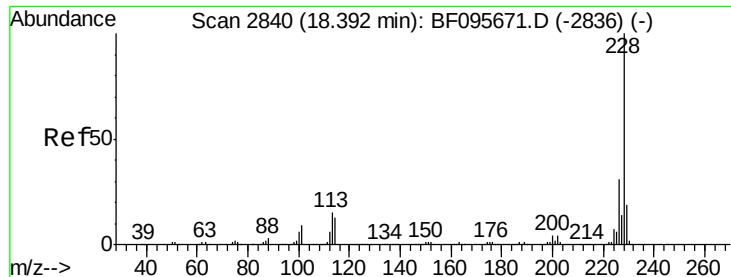
Tgt Ion:244 Resp: 281332
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 13.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 14.78 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF095842.D
 Acq: 10 Jun 2017 2:20

Tgt Ion:228 Resp: 120775
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 20.2 16.3 24.5





#82

Chrysene

Concen: 13.98 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampled :

S-6

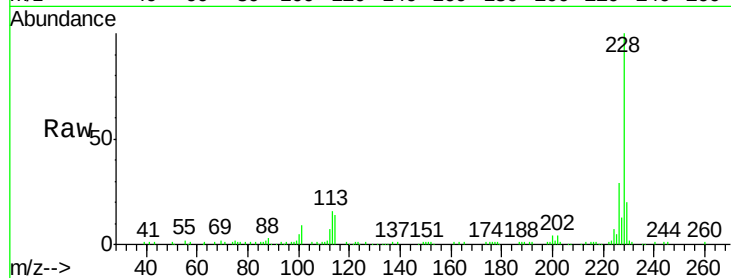
Tgt Ion:228 Resp: 114186

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

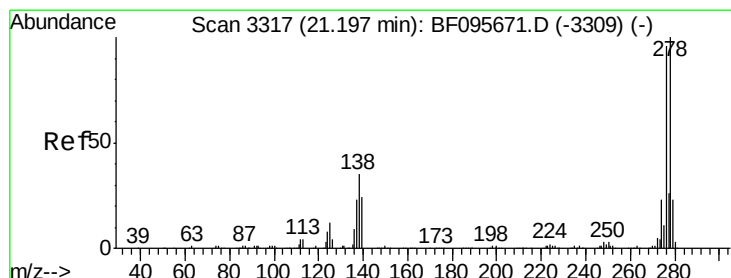
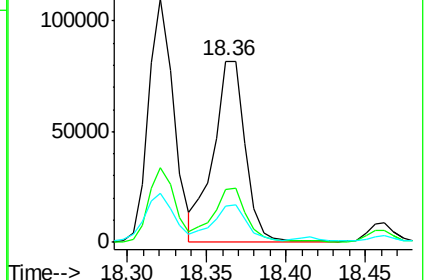
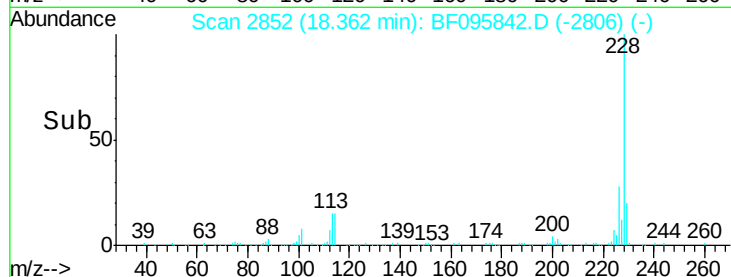
229 20.3 15.8 23.6



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: 6.41 ng

RT: 21.18 min Scan# 3331

Delta R.T. -0.02 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

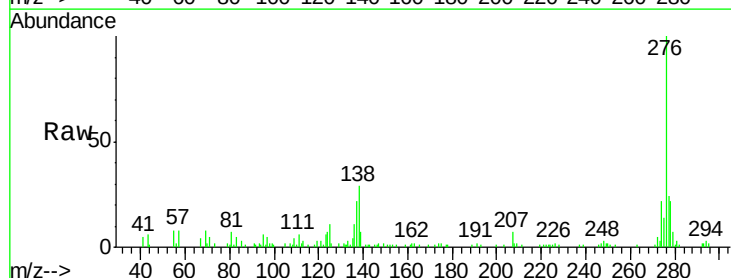
Tgt Ion:276 Resp: 44818

Ion Ratio Lower Upper

276 100

138 31.4 27.8 41.6

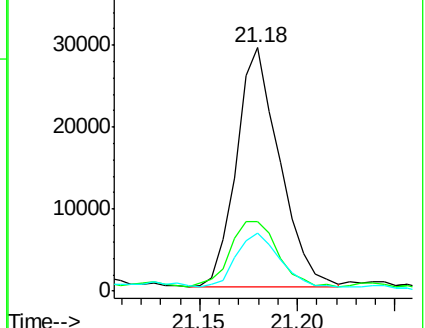
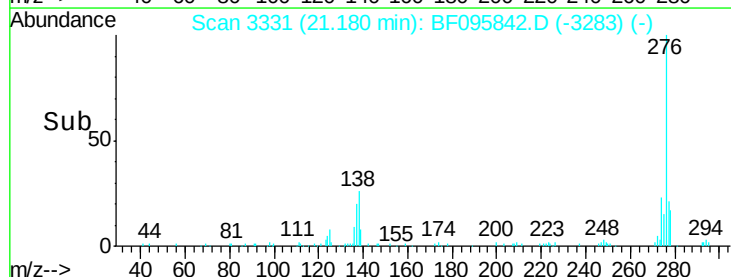
277 22.3 20.2 30.4

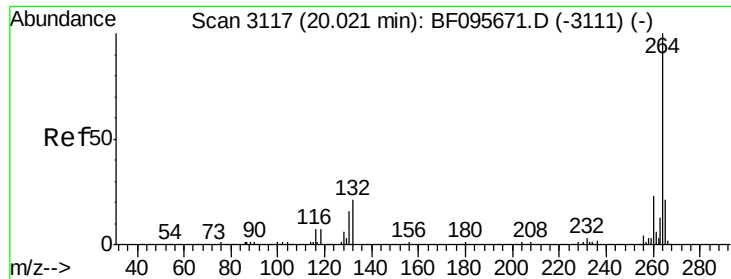


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

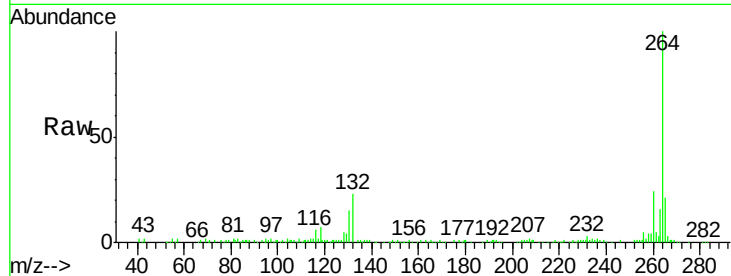




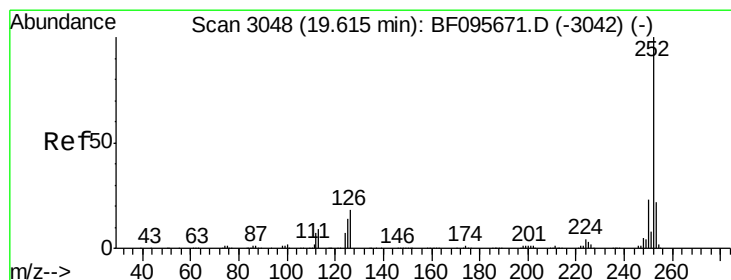
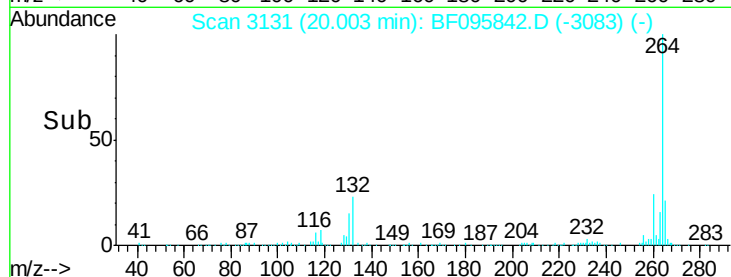
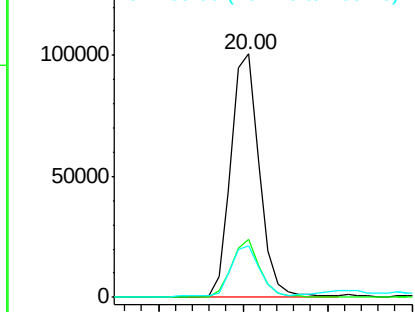
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Instrument :
BNA_F
ClientSampleId :
S-6

Tgt Ion: 264 Resp: 118586
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.0 17.2 25.8

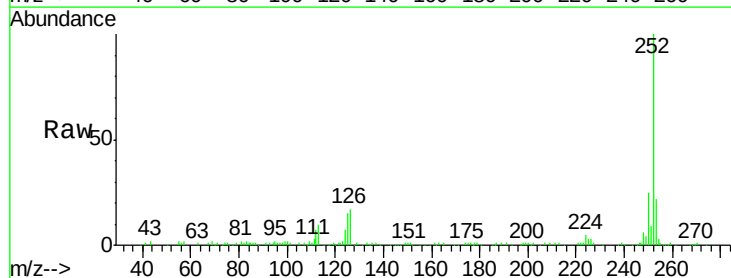


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

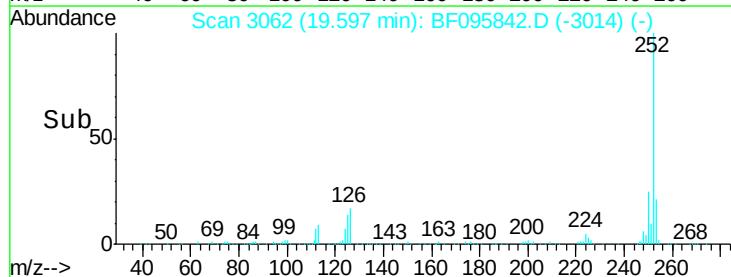
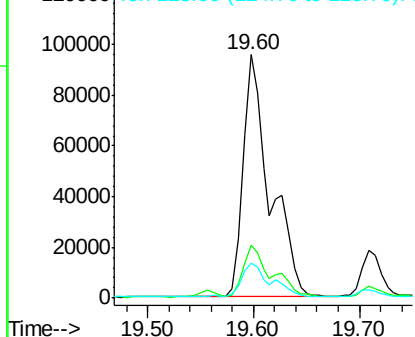


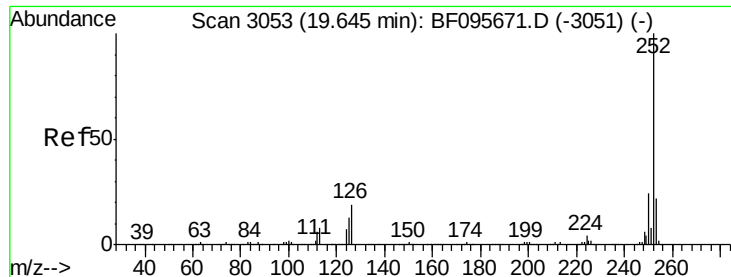
#87
Benzo(b)fluoranthene
Concen: 22.50 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Tgt Ion: 252 Resp: 167081
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 14.5 9.8 14.8



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

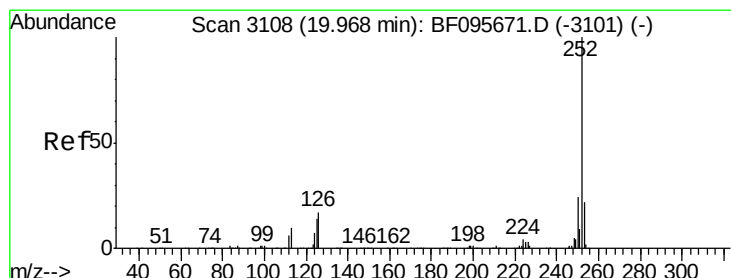
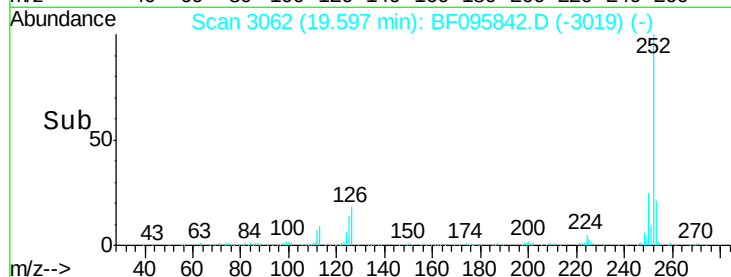
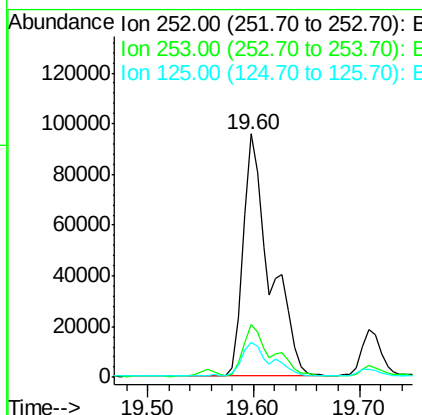
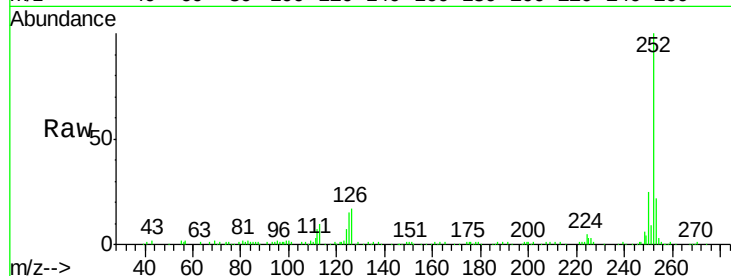




#88
Benzo(k)fluoranthene
Concen: 23.54 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

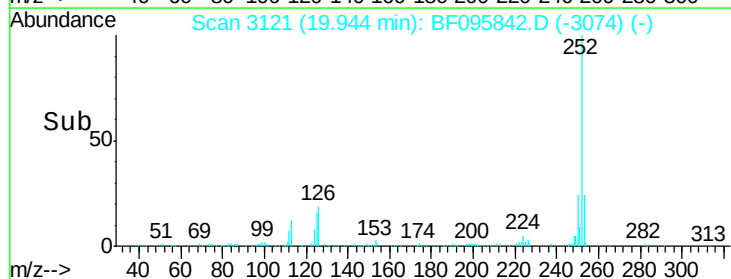
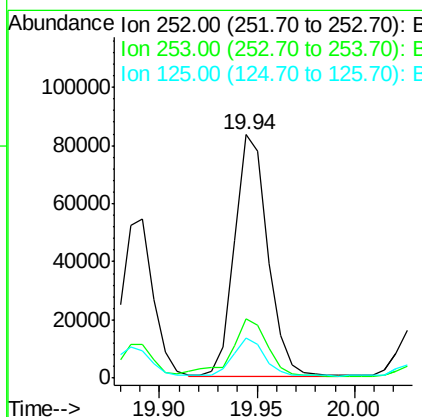
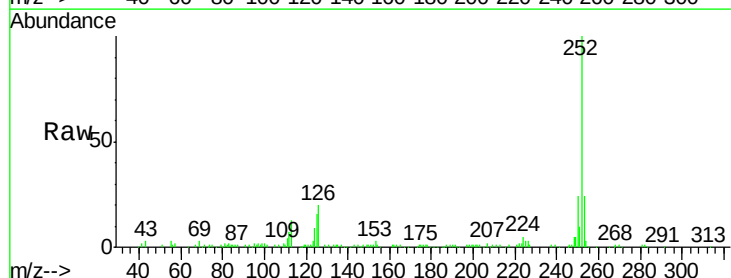
Instrument :
BNA_F
ClientSampleId :
S-6

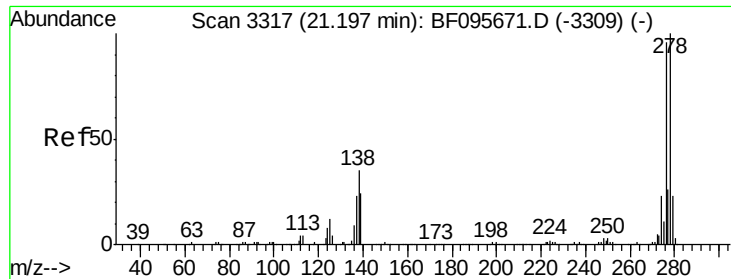
Tgt Ion:252 Resp: 167081
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 14.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 14.46 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095842.D
Acq: 10 Jun 2017 2:20

Tgt Ion:252 Resp: 98718
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 16.3 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.25 ng

RT: 21.17 min Scan# 3330

Delta R.T. -0.02 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

Instrument :

BNA_F

ClientSampleId :

S-6

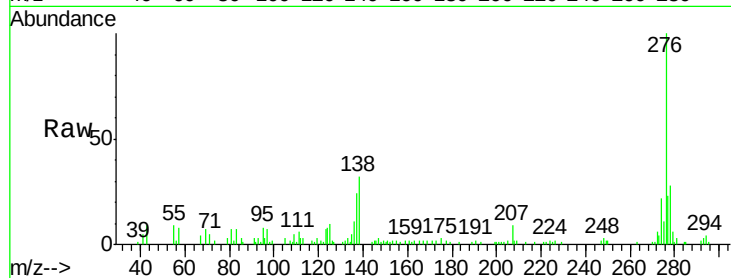
Tgt Ion: 278 Resp: 13029

Ion Ratio Lower Upper

278 100

139 0.0 16.6 24.8#

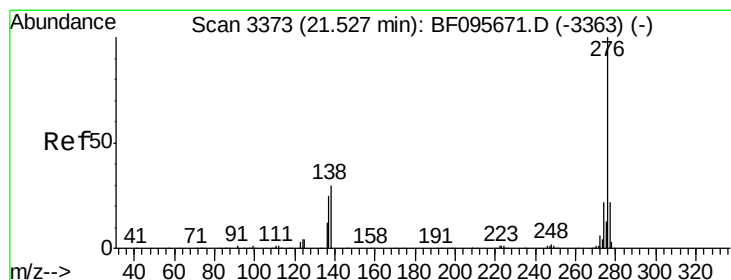
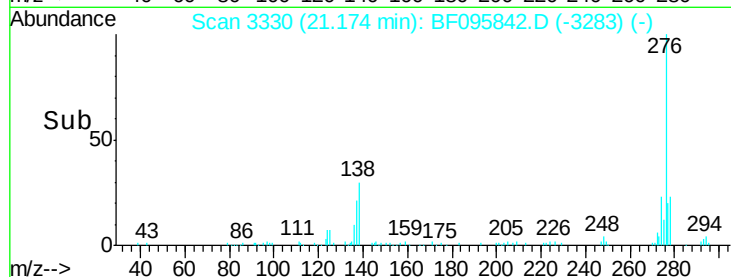
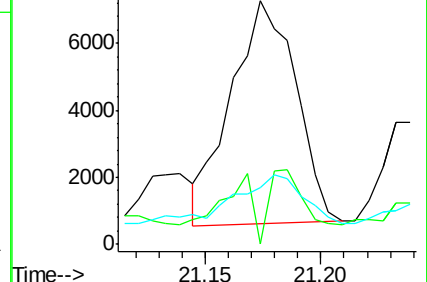
279 23.5 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.43 ng

RT: 21.51 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF095842.D

Acq: 10 Jun 2017 2:20

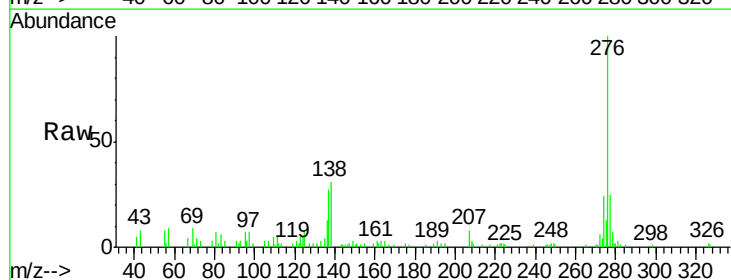
Tgt Ion: 276 Resp: 43827

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 30.9 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

