

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095855.D
 Acq On : 10 Jun 2017 19:07
 Operator : SJ/MA
 Sample : I3576-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 03:51:03 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

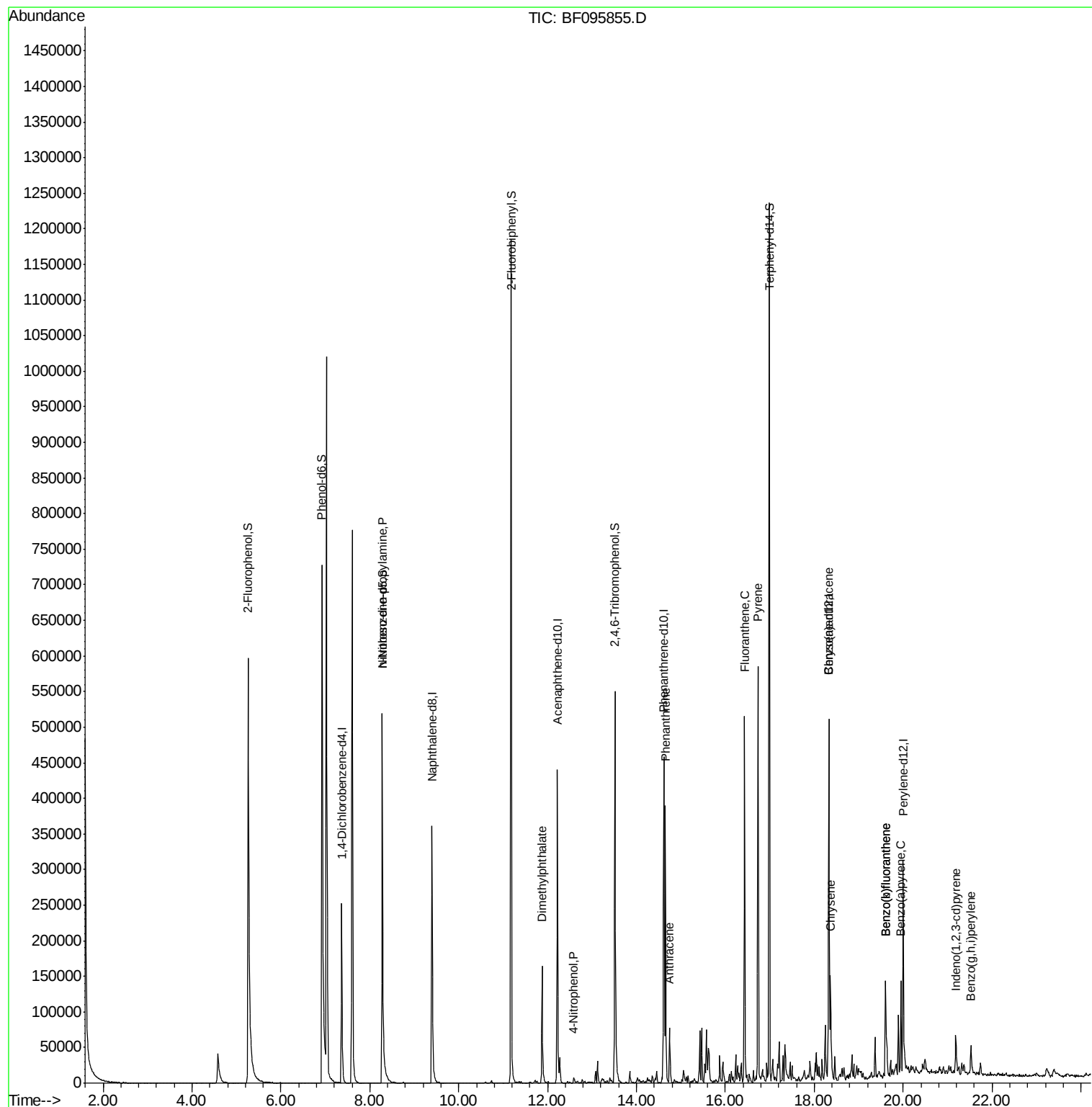
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	65699	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	275716	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	126968	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	234687	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	167062	20.00	ng	-0.02
86) Perylene-d12	20.00	264	133718	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	416341	100.98	ng	-0.02
7) Phenol-d6	6.92	99	525320	106.43	ng	-0.04
23) Nitrobenzene-d5	8.28	82	298609	67.26	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	100595	89.55	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	580653	63.64	ng	-0.04
78) Terphenyl-d14	16.99	244	484024	71.90	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.28	70	35835	11.46	ng	# 80
49) Dimethylphthalate	11.87	163	117389	12.18	ng	99
55) 4-Nitrophenol	12.59	139	2603	6.34	ng	# 25
70) Phenanthrene	14.65	178	229002	16.91	ng	96
71) Anthracene	14.74	178	53935	3.82	ng	94
74) Fluoranthene	16.43	202	275313	20.54	ng	99
77) Pyrene	16.73	202	245577	19.70	ng	# 95
80) Benzo(a)anthracene	18.32	228	86455	8.90	ng	98
82) Chrysene	18.36	228	82912	8.54	ng	98
85) Indeno(1,2,3-cd)pyrene	21.19	276	33390	4.02	ng	97
87) Benzo(b)fluoranthene	19.60	252	73525	8.78	ng	# 95
88) Benzo(k)fluoranthene	19.60	252	73525	9.19	ng	98
89) Benzo(a)pyrene	19.95	252	55385	7.20	ng	98
91) Benzo(a,h,i)perylene	21.52	276	31160	4.68	ng	99

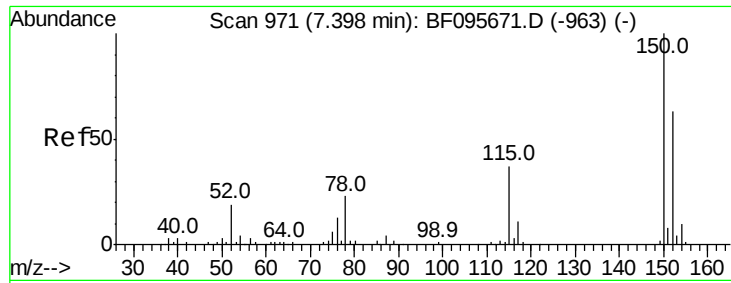
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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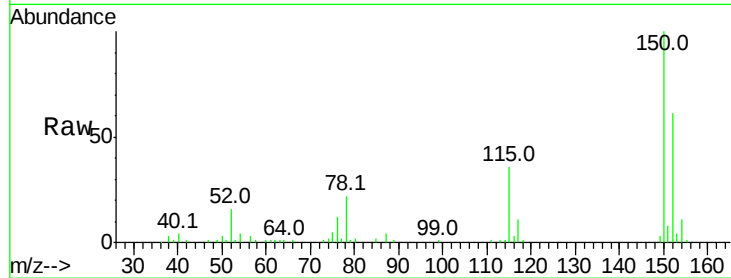


#1

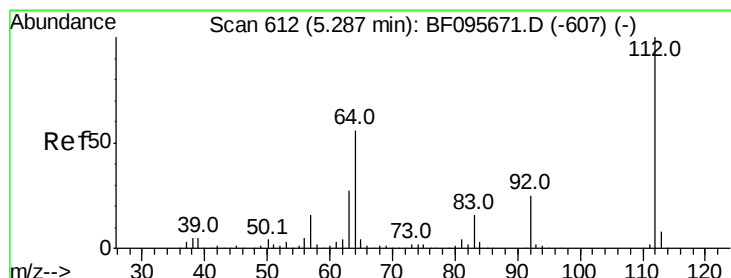
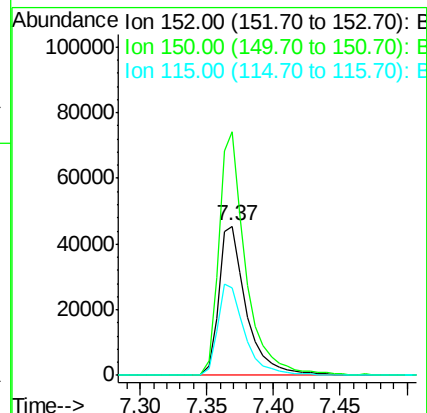
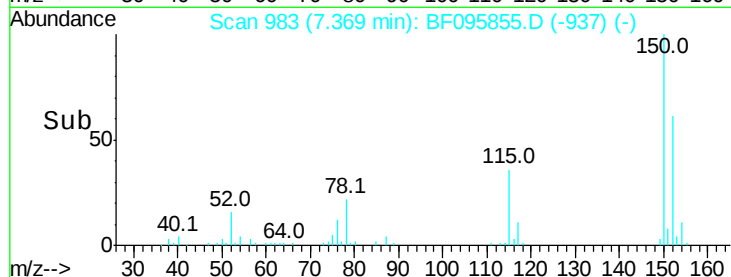
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 65699
Ion Ratio Lower Upper
152 100
150 163.0 126.2 189.2
115 58.3 52.2 78.2



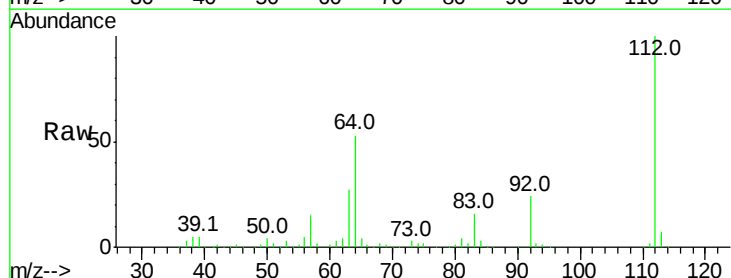
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



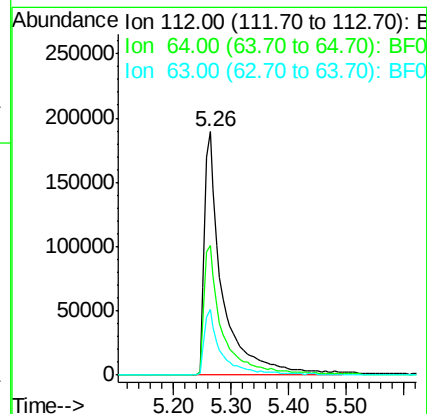
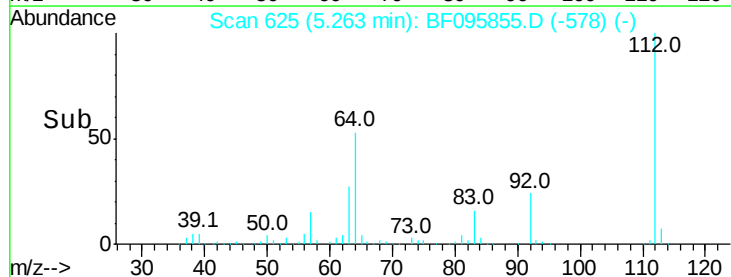
#5

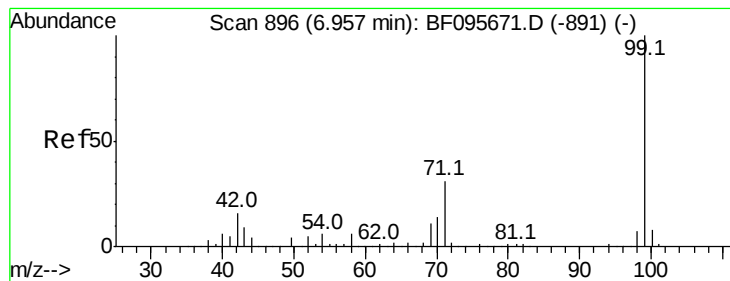
2-Fluorophenol
Concen: 100.98 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion:112 Resp: 416341
Ion Ratio Lower Upper
112 100
64 53.1 46.0 69.0
63 27.2 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: 106.43 ng

RT: 6.92 min Scan# 907

Delta R.T. -0.04 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Instrument :

BNA_F

ClientSampled :

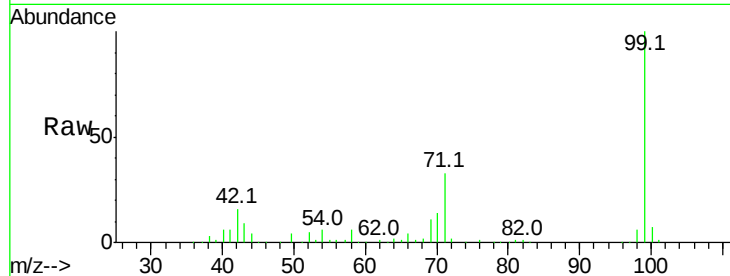
Tot Ion: 99 Resp: 525320

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

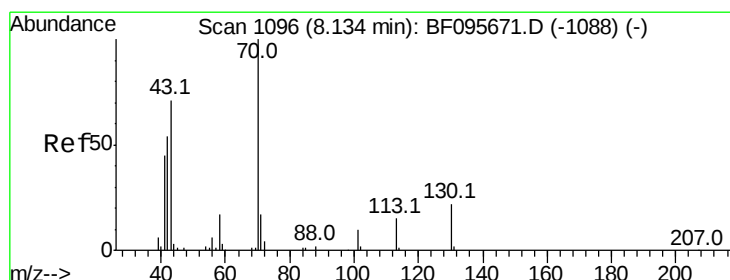
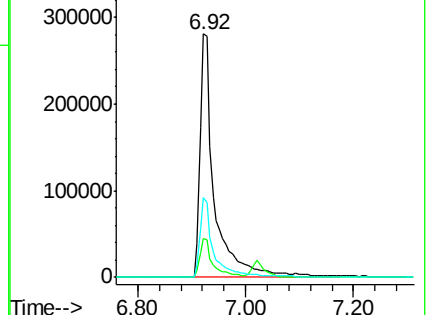
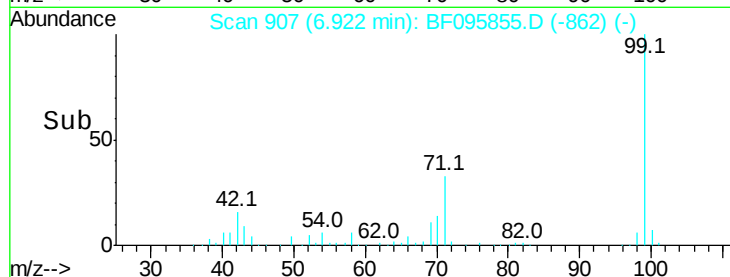
71 32.6 24.5 36.7



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: 11.46 ng

RT: 8.28 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Tgt Ion: 70 Resp: 35835

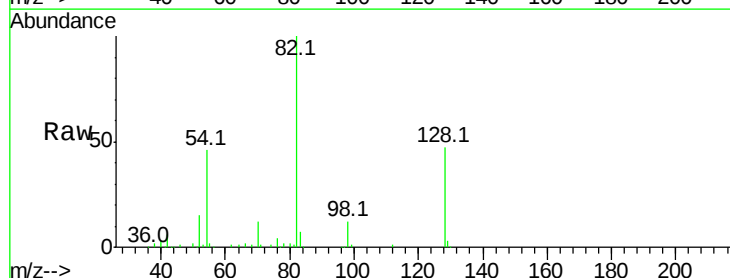
Ion Ratio Lower Upper

70 100

42 49.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.9 15.9 23.9#

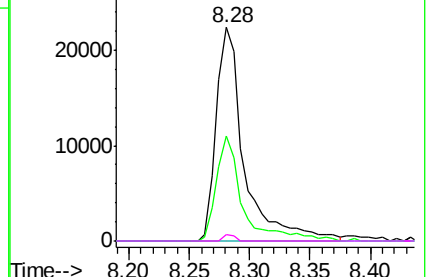
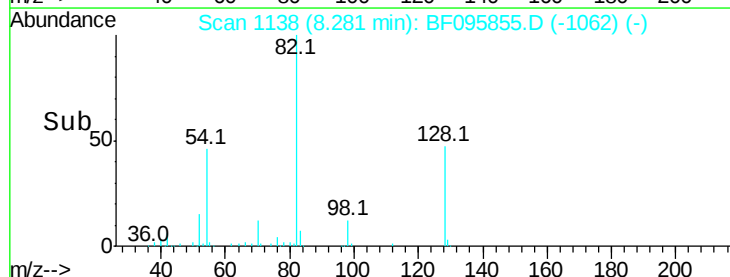


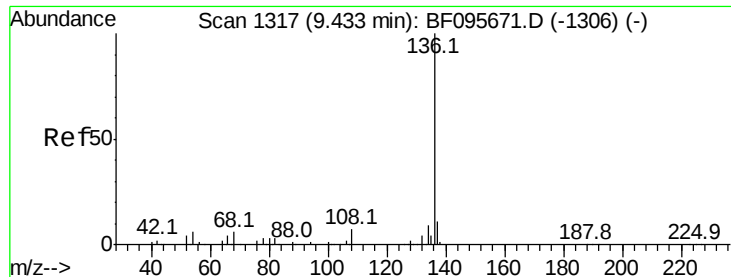
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 275716

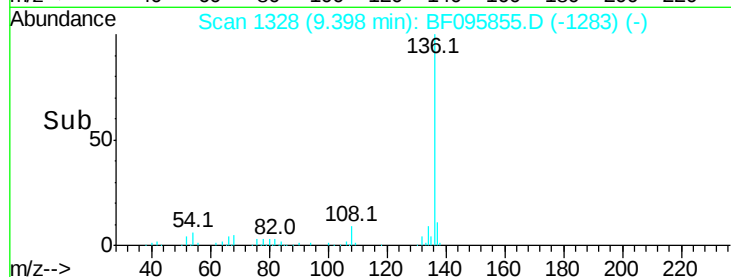
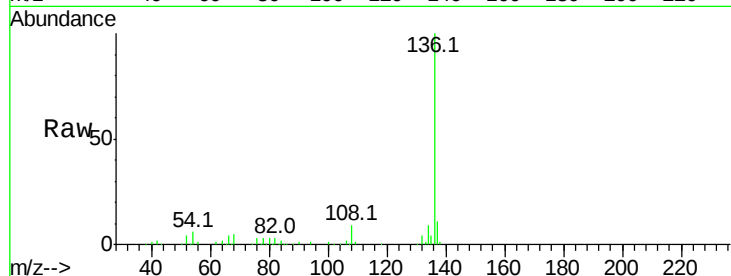
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.4 4.9 7.3

68 5.2 4.1 6.1

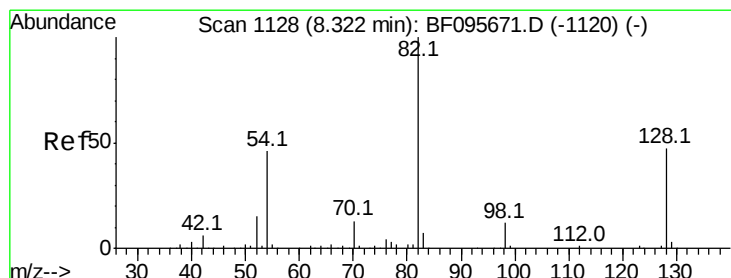
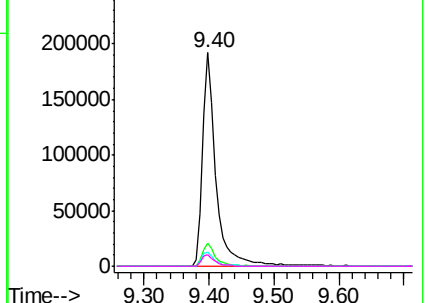


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.26 ng

RT: 8.28 min Scan# 1138

Delta R.T. -0.04 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

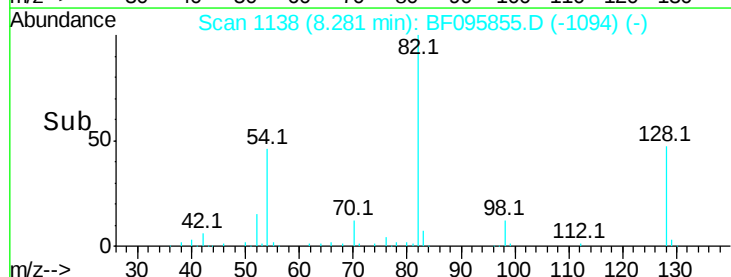
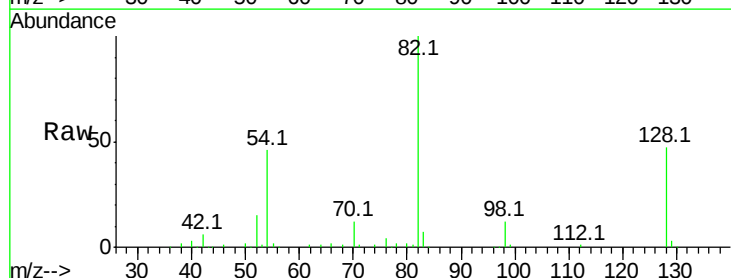
Tgt Ion: 82 Resp: 298609

Ion Ratio Lower Upper

82 100

128 46.8 34.0 51.0

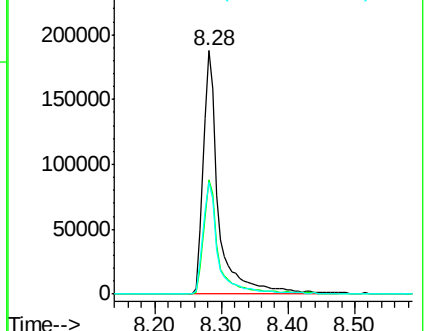
54 45.8 42.2 63.2

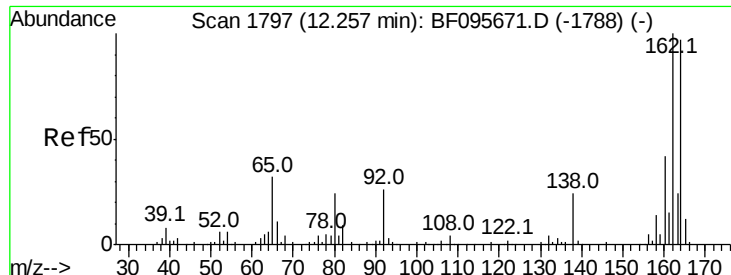


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF095855.D

Acq: 10 Jun 2017 19:07

Instrument :

BNA_F

ClientSampled :

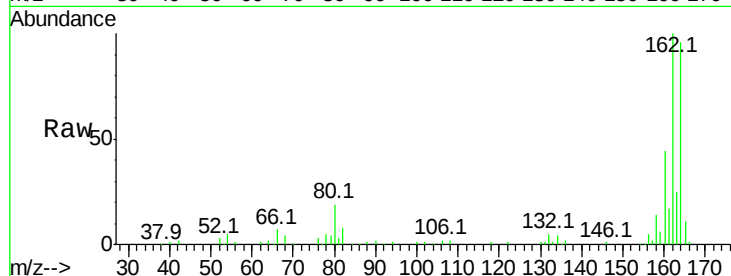
Tot Ion:164 Resp: 126968

Ion Ratio Lower Upper

164 100

162 104.6 82.6 123.8

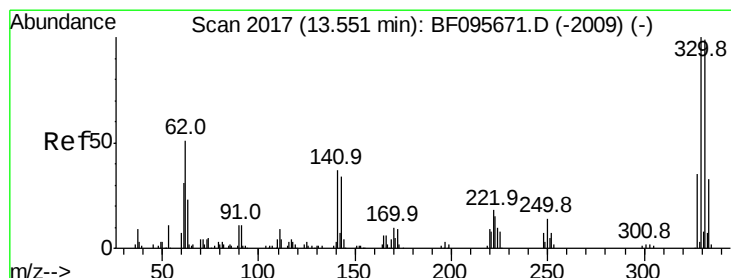
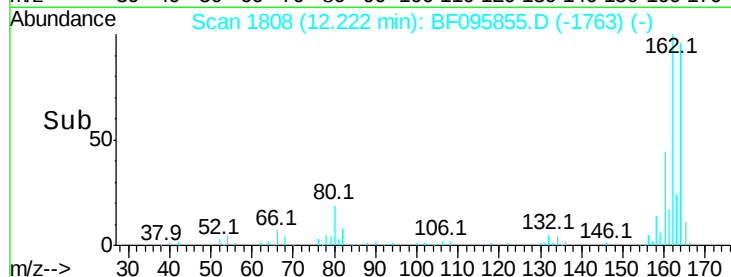
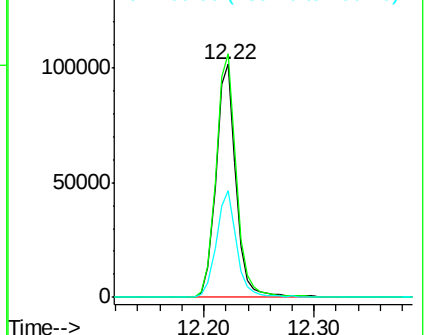
160 45.6 36.2 54.2



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: 89.55 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

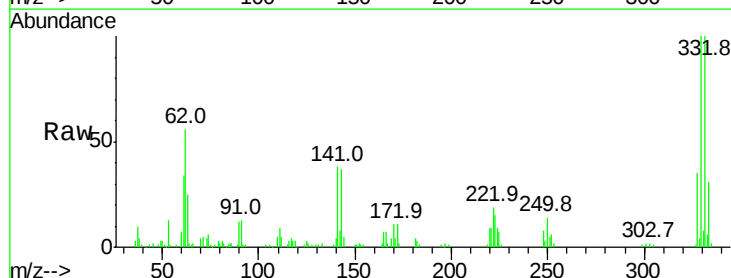
Tgt Ion:330 Resp: 100595

Ion Ratio Lower Upper

330 100

332 98.9 76.6 115.0

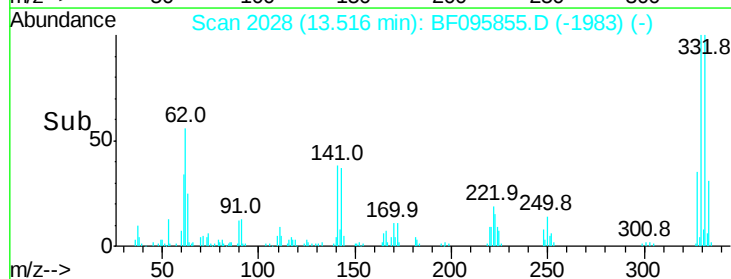
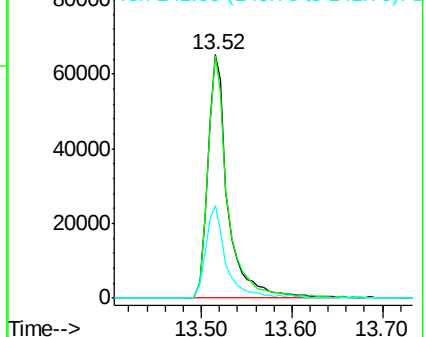
141 37.7 31.4 47.2

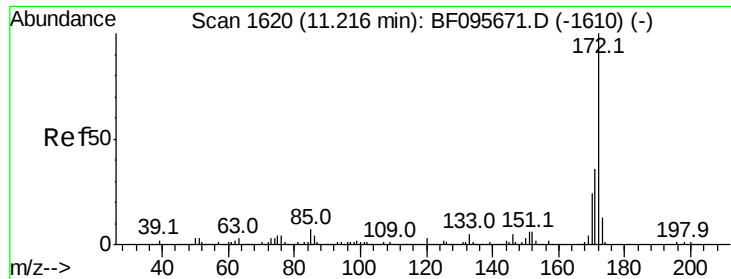


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

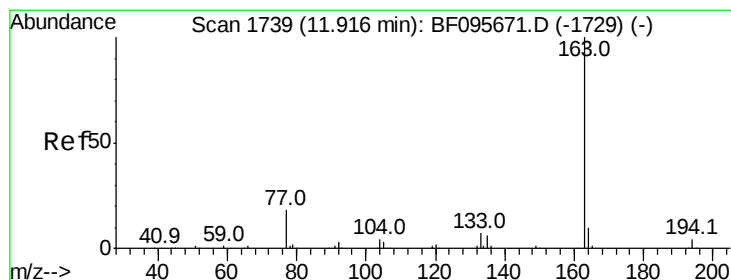
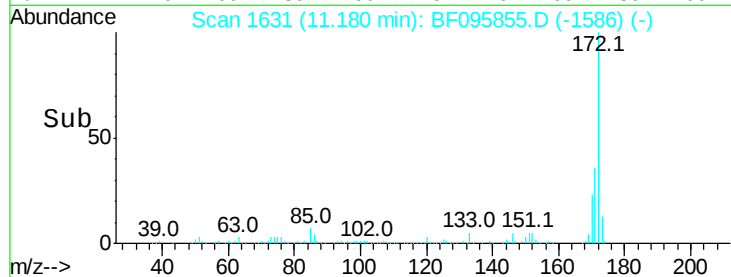
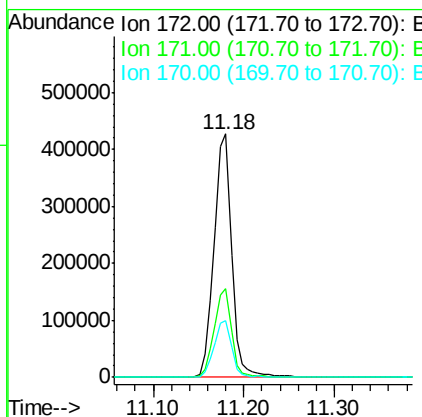
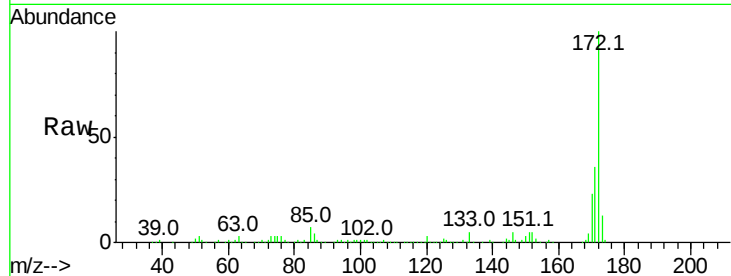




#44
2-Fluorobiphenyl
Concen: 63.64 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

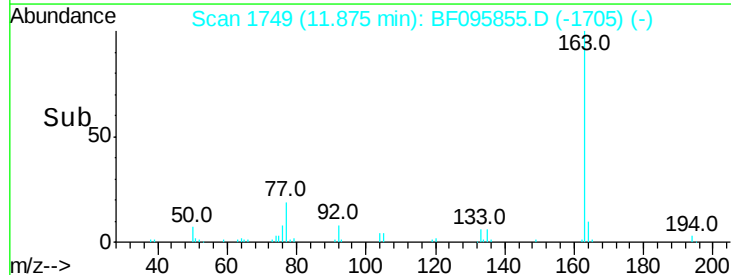
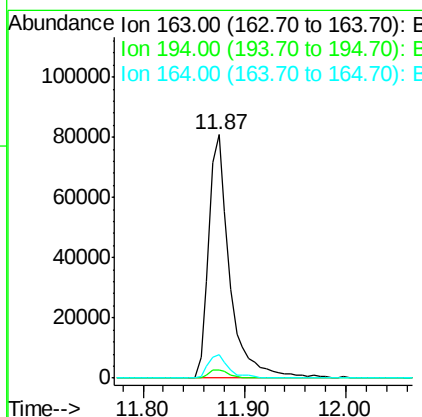
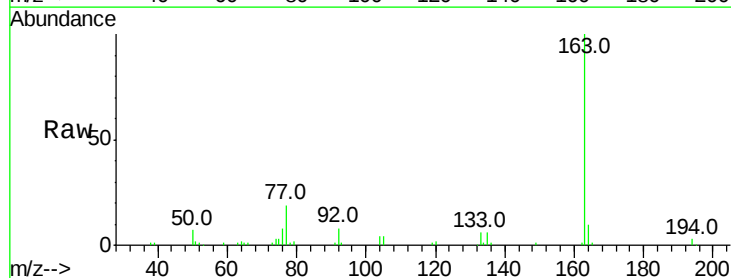
Instrument :
BNA_F
ClientSampled :

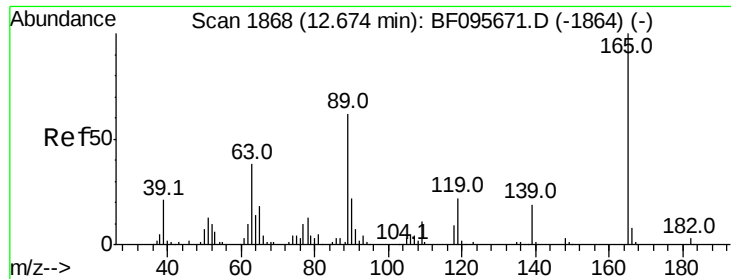
Tot Ion:172 Resp: 580653
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.5 19.8 29.8



#49
Dimethylphthalate
Concen: 12.18 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion:163 Resp: 117389
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.8 8.4 12.6

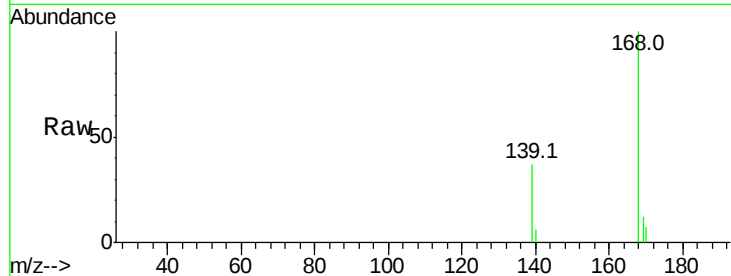




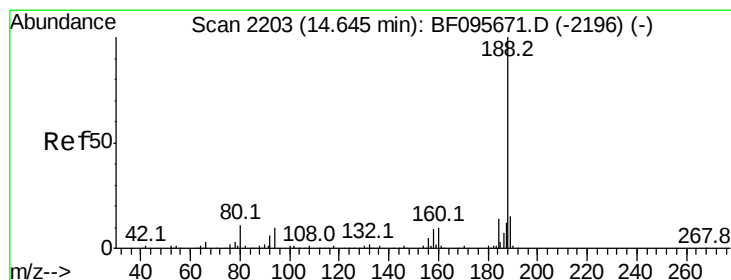
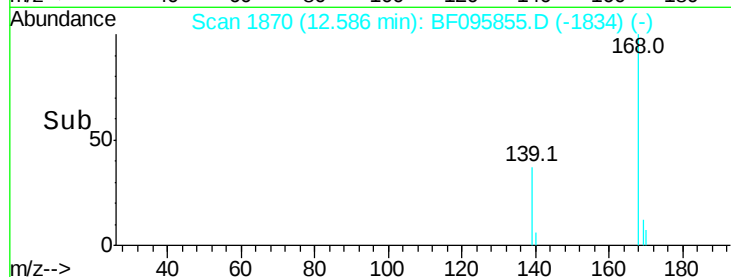
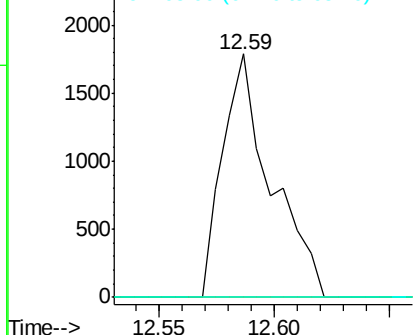
#55
4-Nitrophenol
Concen: 6.34 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.09 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2603
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

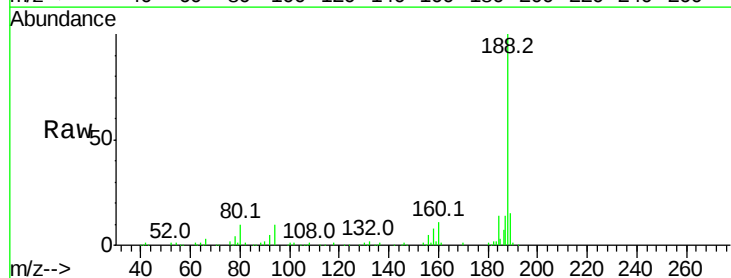


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

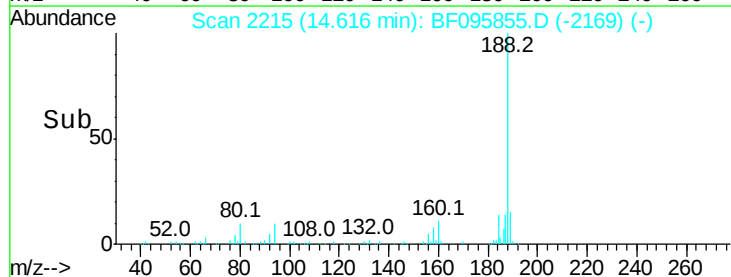
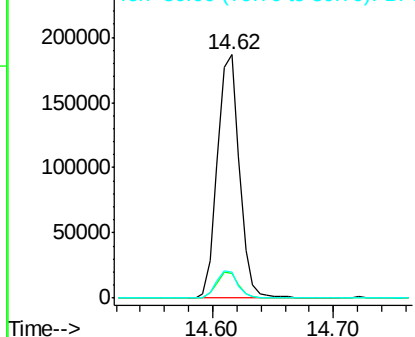


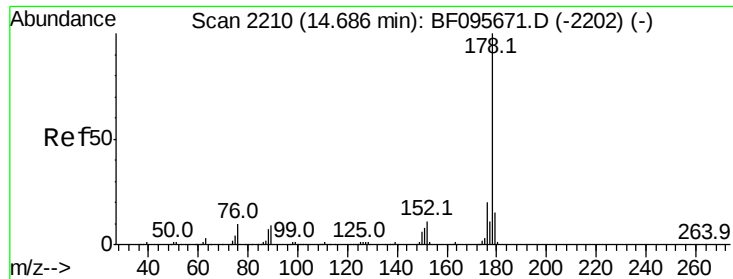
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion:188 Resp: 234687
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 10.5 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

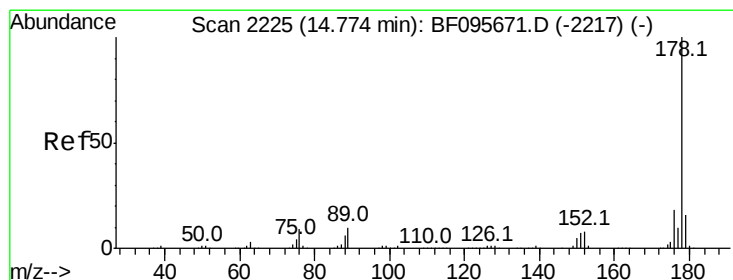
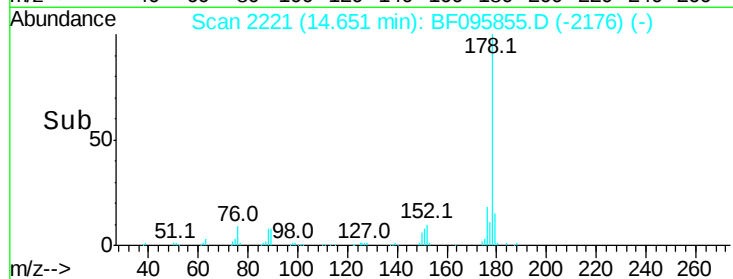
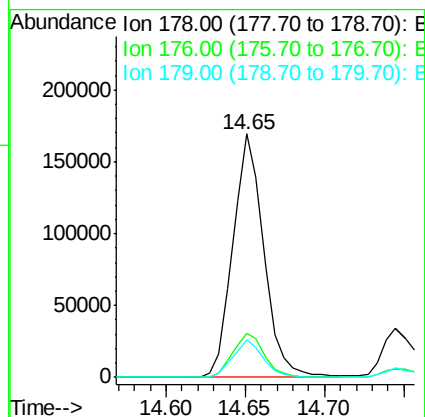
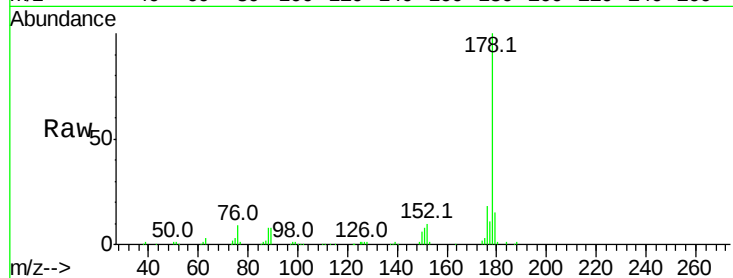




#70
Phenanthrene
Concen: 16.91 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

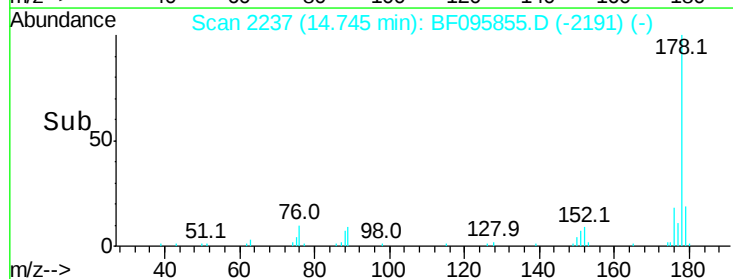
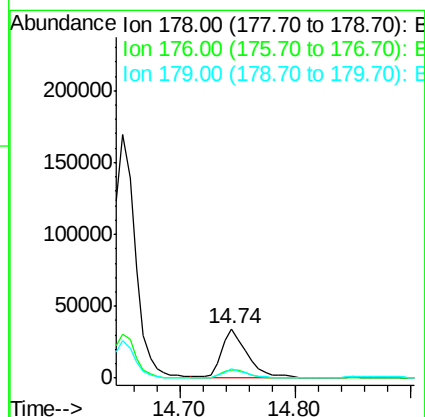
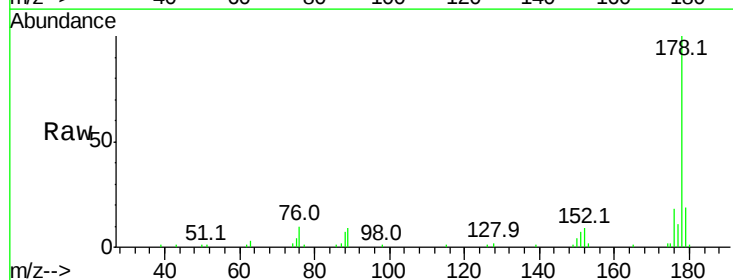
Instrument :
BNA_F
ClientSampleId :

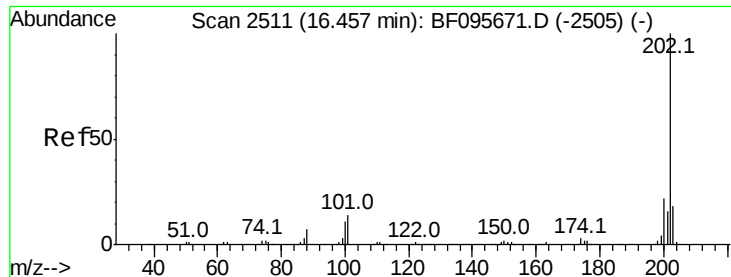
Tot Ion:178 Resp: 229002
Ion Ratio Lower Upper
178 100
176 17.8 16.2 24.4
179 15.2 12.6 19.0



#71
Anthracene
Concen: 3.82 ng
RT: 14.74 min Scan# 2237
Delta R.T. -0.03 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion:178 Resp: 53935
Ion Ratio Lower Upper
178 100
176 17.6 15.8 23.8
179 18.9 12.7 19.1

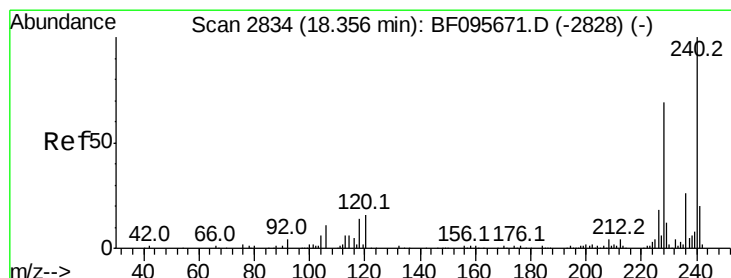
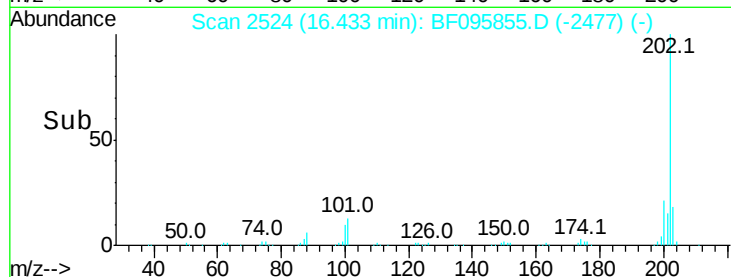
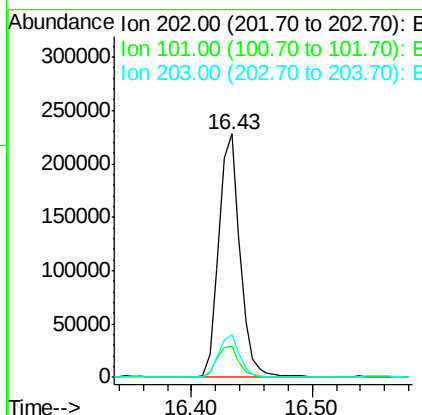
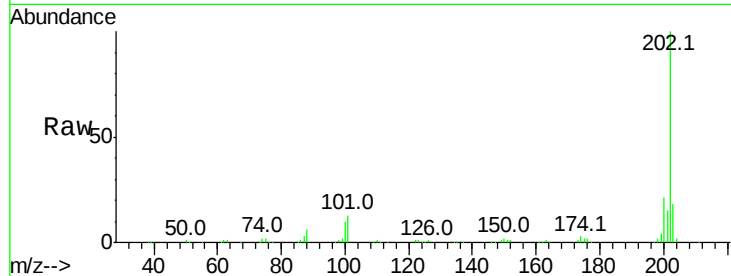




#74
Fluoranthene
 Concen: 20.54 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095855.D
 Acq: 10 Jun 2017 19:07

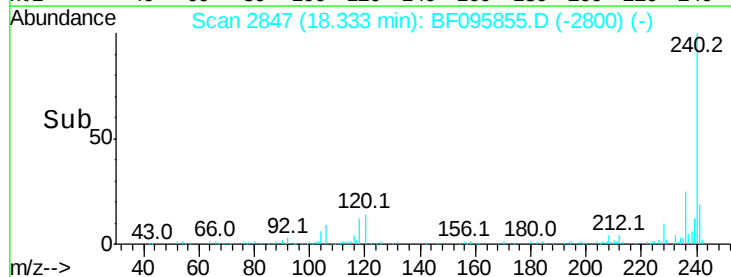
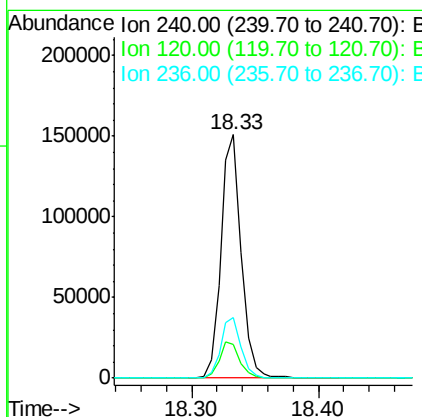
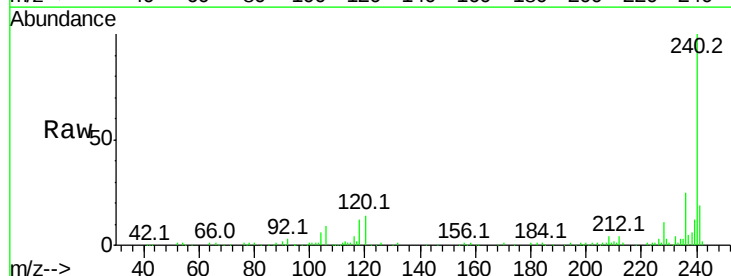
Instrument :
 BNA_F
 ClientSampleId :

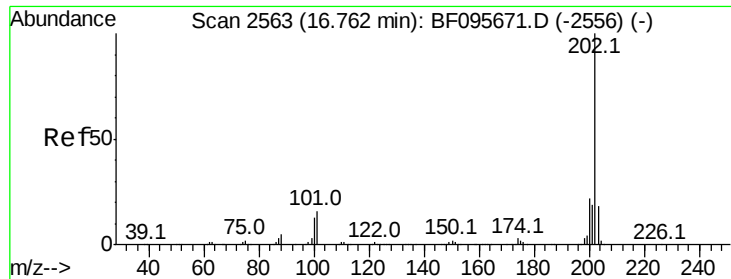
Tot Ion:202 Resp: 275313
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 33.2
 203 17.7 0.0 38.1



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095855.D
 Acq: 10 Jun 2017 19:07

Tgt Ion:240 Resp: 167062
 Ion Ratio Lower Upper
 240 100
 120 13.9 5.8 8.8#
 236 25.0 20.5 30.7





#77

Pvrene

Concen: 19.70 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Instrument :

BNA_F

ClientSampled :

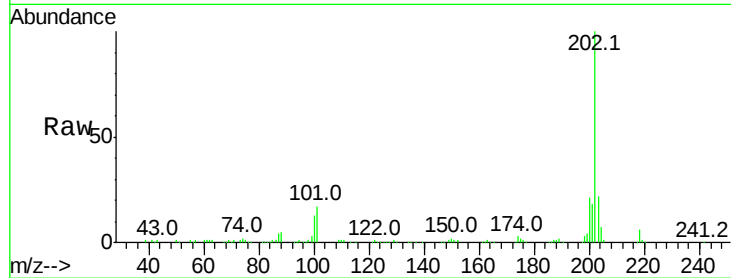
Tot Ion:202 Resp: 245577

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

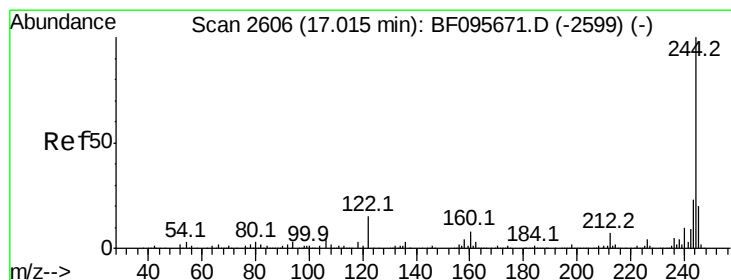
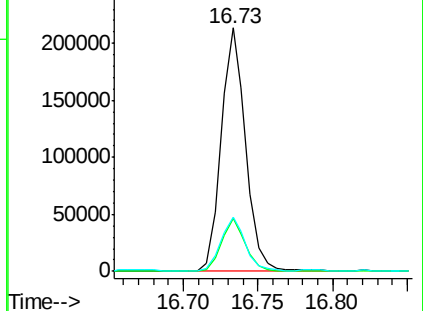
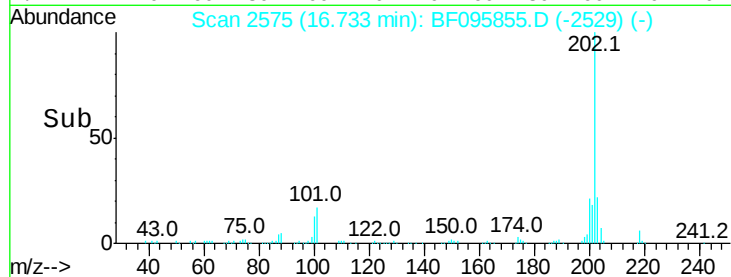
203 22.4 14.4 21.6#



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: 71.90 ng

RT: 16.99 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

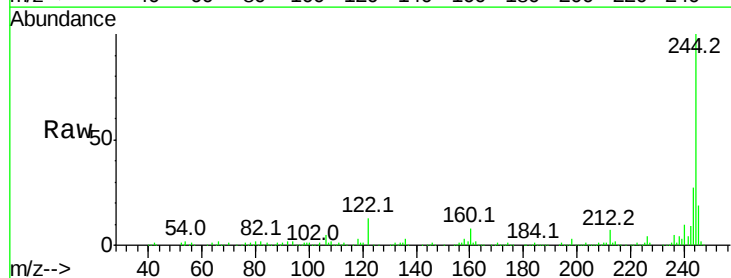
Tgt Ion:244 Resp: 484024

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

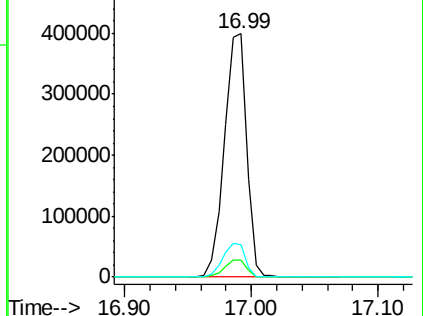
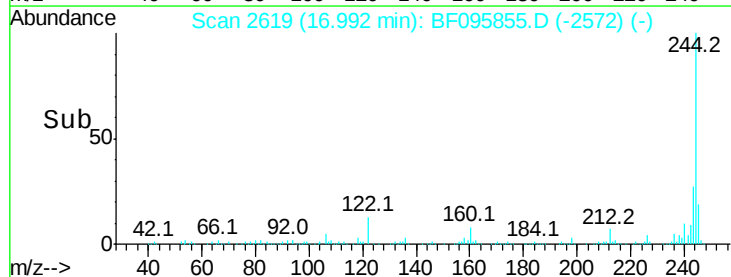
122 13.1 10.3 15.5

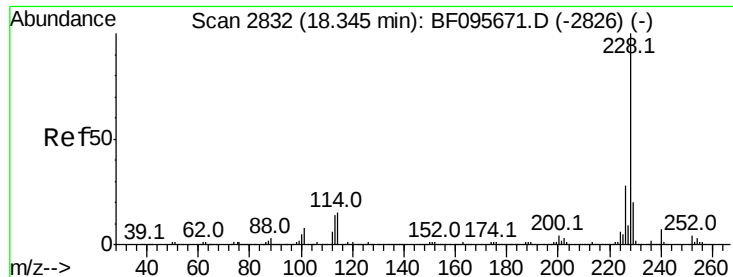


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.90 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Instrument :

BNA_F

ClientSampleId :

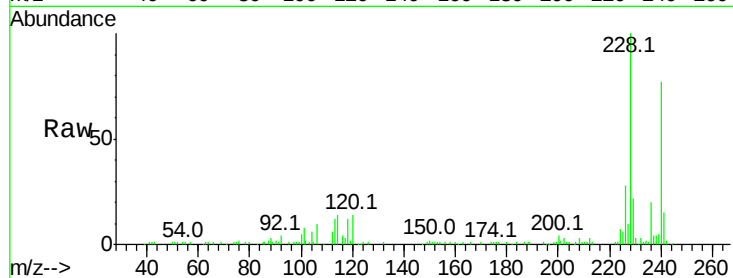
Tot Ion:228 Resp: 86455

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

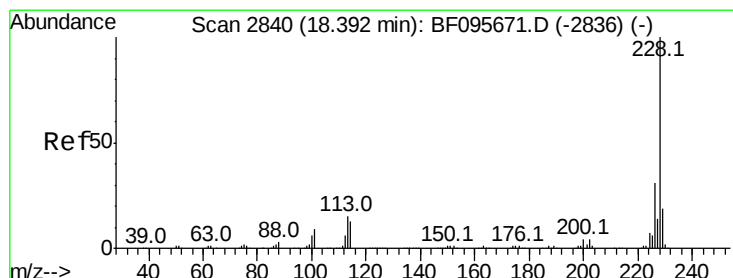
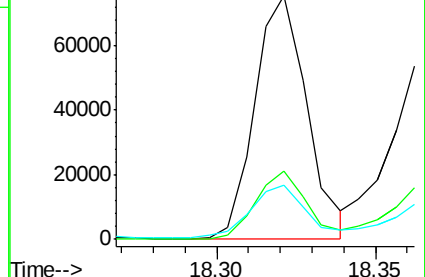
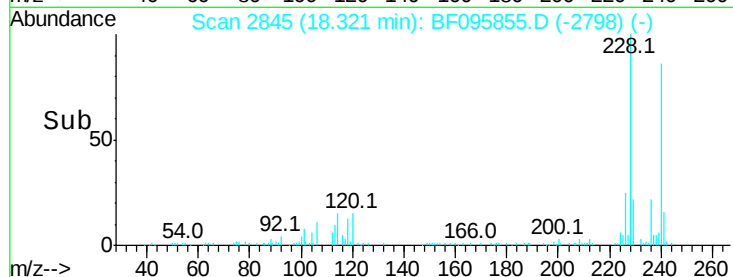
229 22.2 16.3 24.5



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: 8.54 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

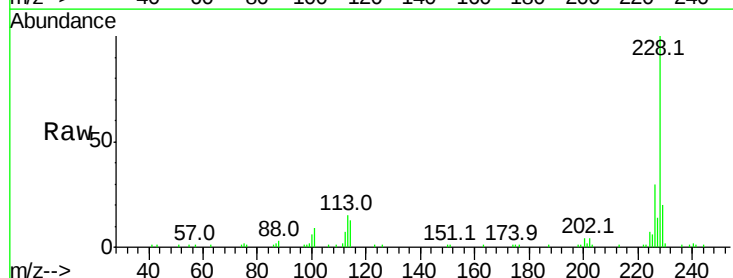
Tgt Ion:228 Resp: 82912

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

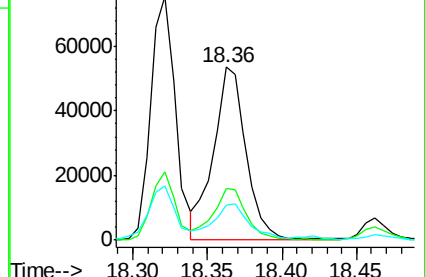
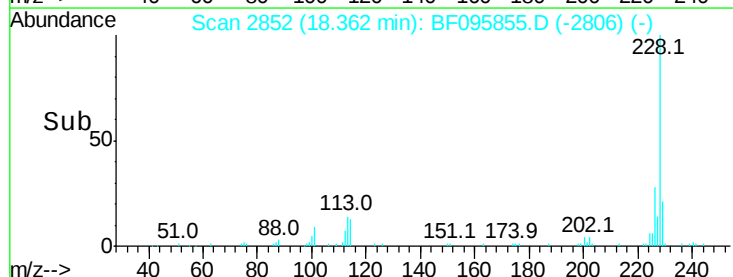
229 20.4 15.8 23.6

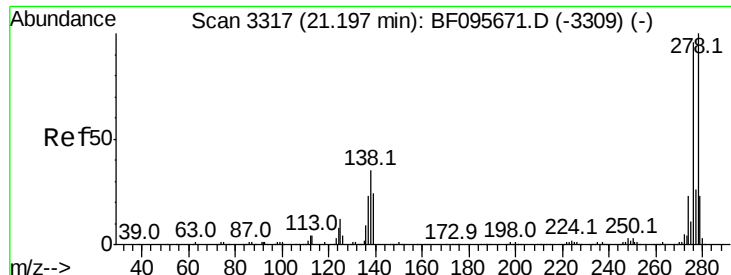


Abundance Ion 228.00 (227.70 to 228.70): E

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: 4.02 ng

RT: 21.19 min Scan# 3332

Delta R.T. -0.01 min

Lab File: BF095855.D

Acq: 10 Jun 2017 19:07

Instrument :

BNA_F

ClientSampleId :

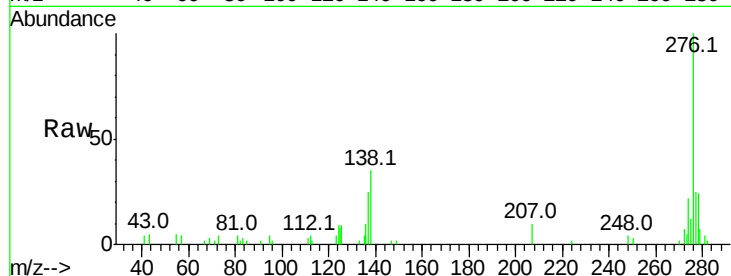
Tot Ion:276 Resp: 33390

Ion Ratio Lower Upper

276 100

138 32.2 27.8 41.6

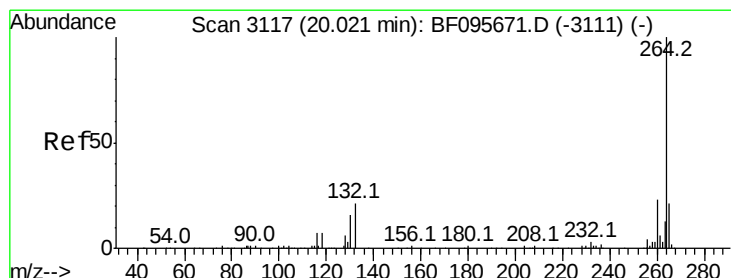
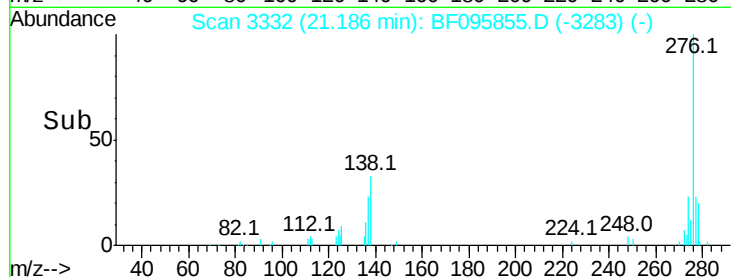
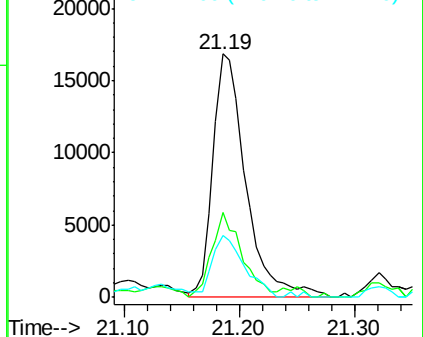
277 24.6 20.2 30.4



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: BF095855.D

Acq: 10 Jun 2017 19:07

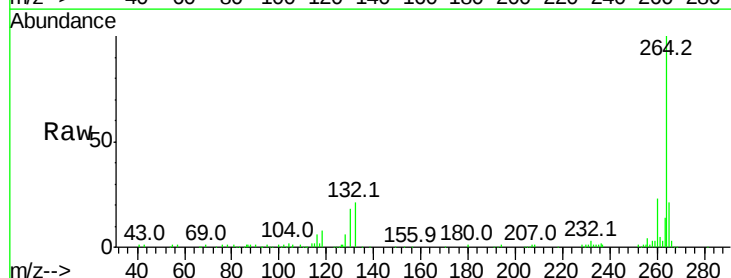
Tgt Ion:264 Resp: 133718

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

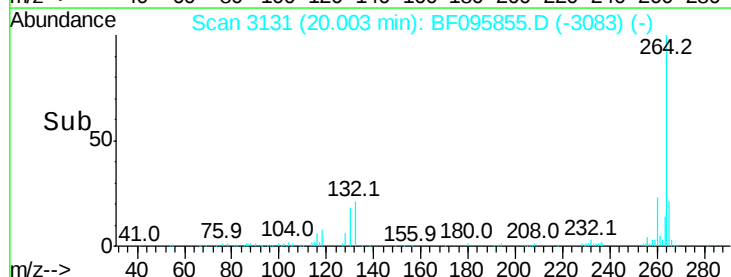
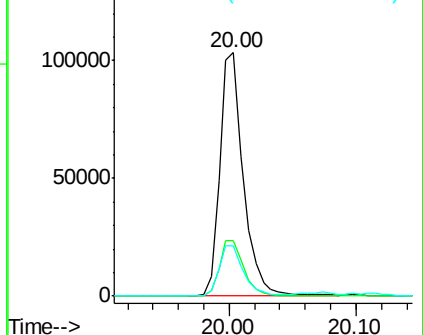
265 20.7 17.2 25.8

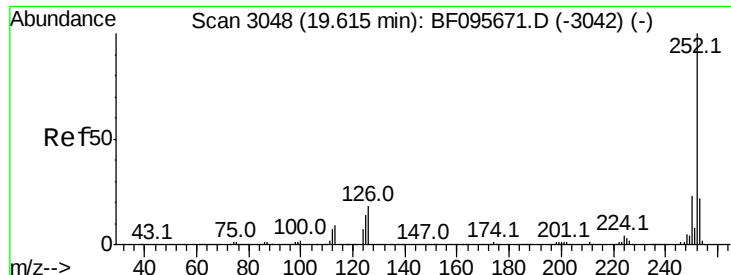


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

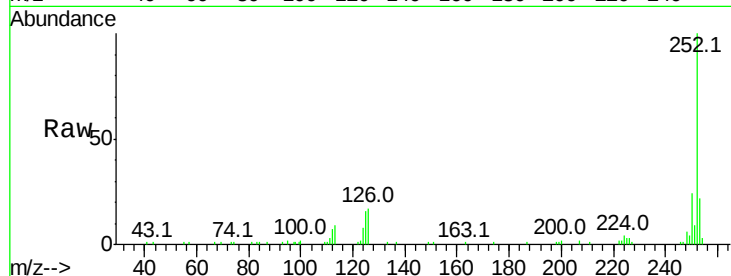




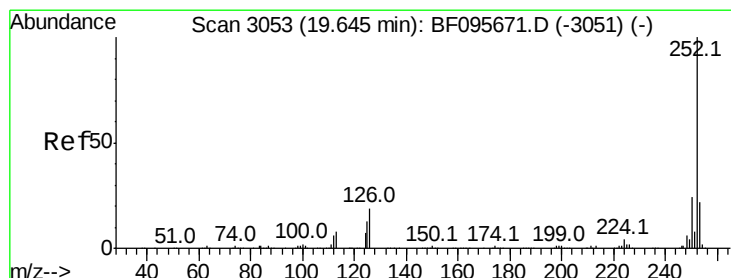
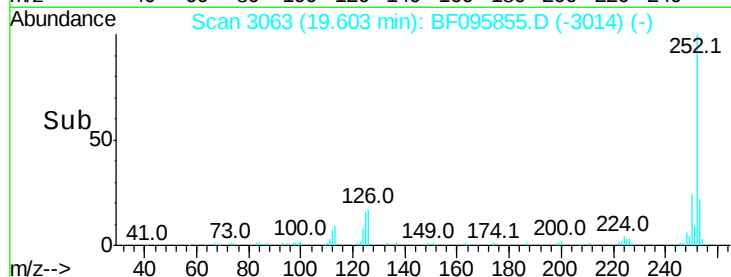
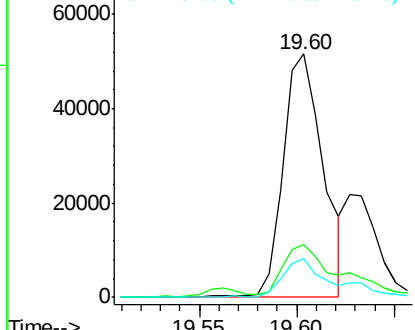
#87
Benzo(b)fluoranthene
Concen: 8.78 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 73525
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 16.1 9.8 14.8#

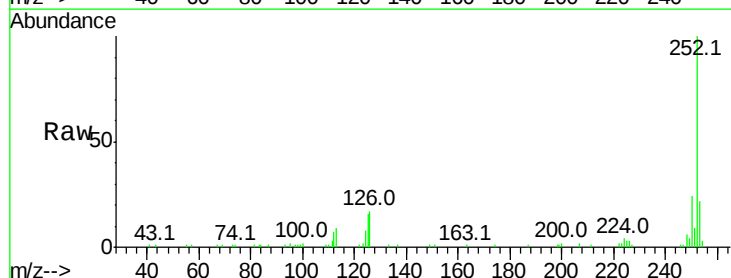


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

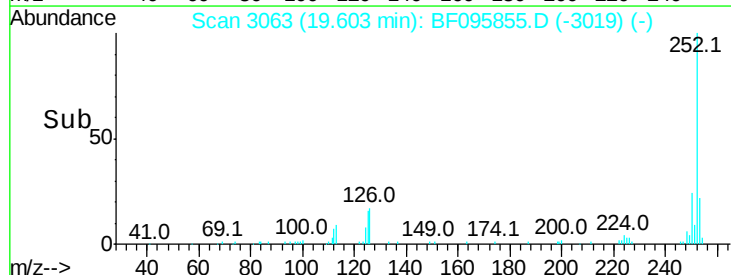
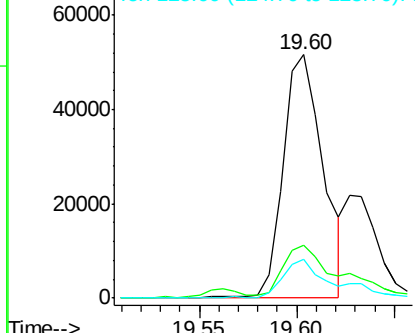


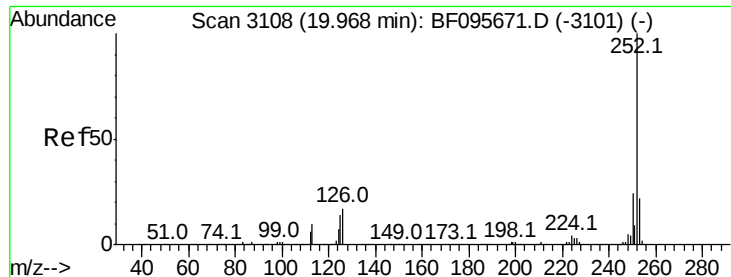
#88
Benzo(k)fluoranthene
Concen: 9.19 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion:252 Resp: 73525
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 16.1 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

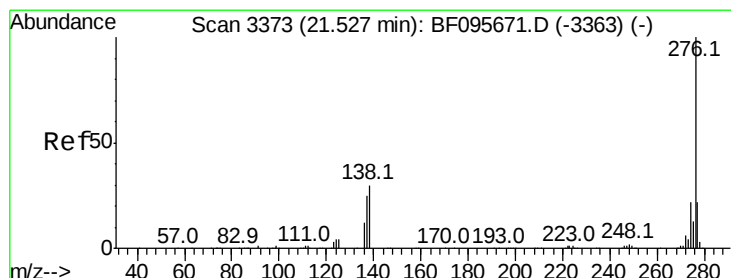
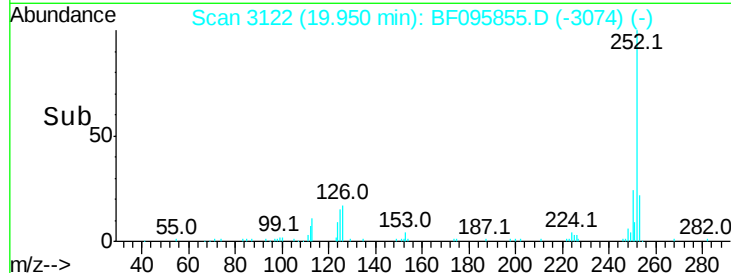
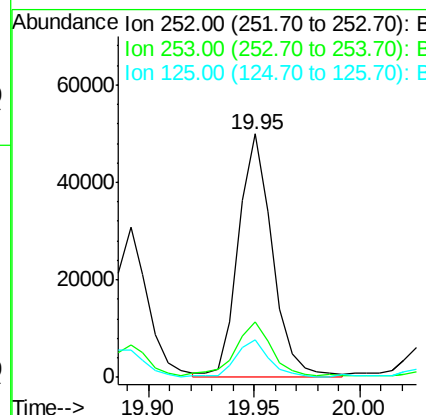
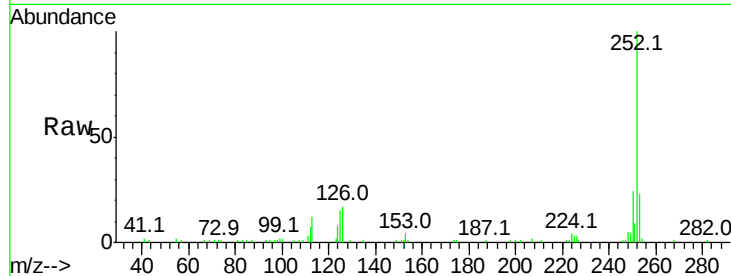




#89
Benzo(a)pyrene
Concen: 7.20 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.2	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 4.68 ng
RT: 21.52 min Scan# 3389
Delta R.T. -0.01 min
Lab File: BF095855.D
Acq: 10 Jun 2017 19:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	30.6	25.4	38.0

