

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095856.D
 Acq On : 10 Jun 2017 19:39
 Operator : SJ/MA
 Sample : I3583-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 03:51:17 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

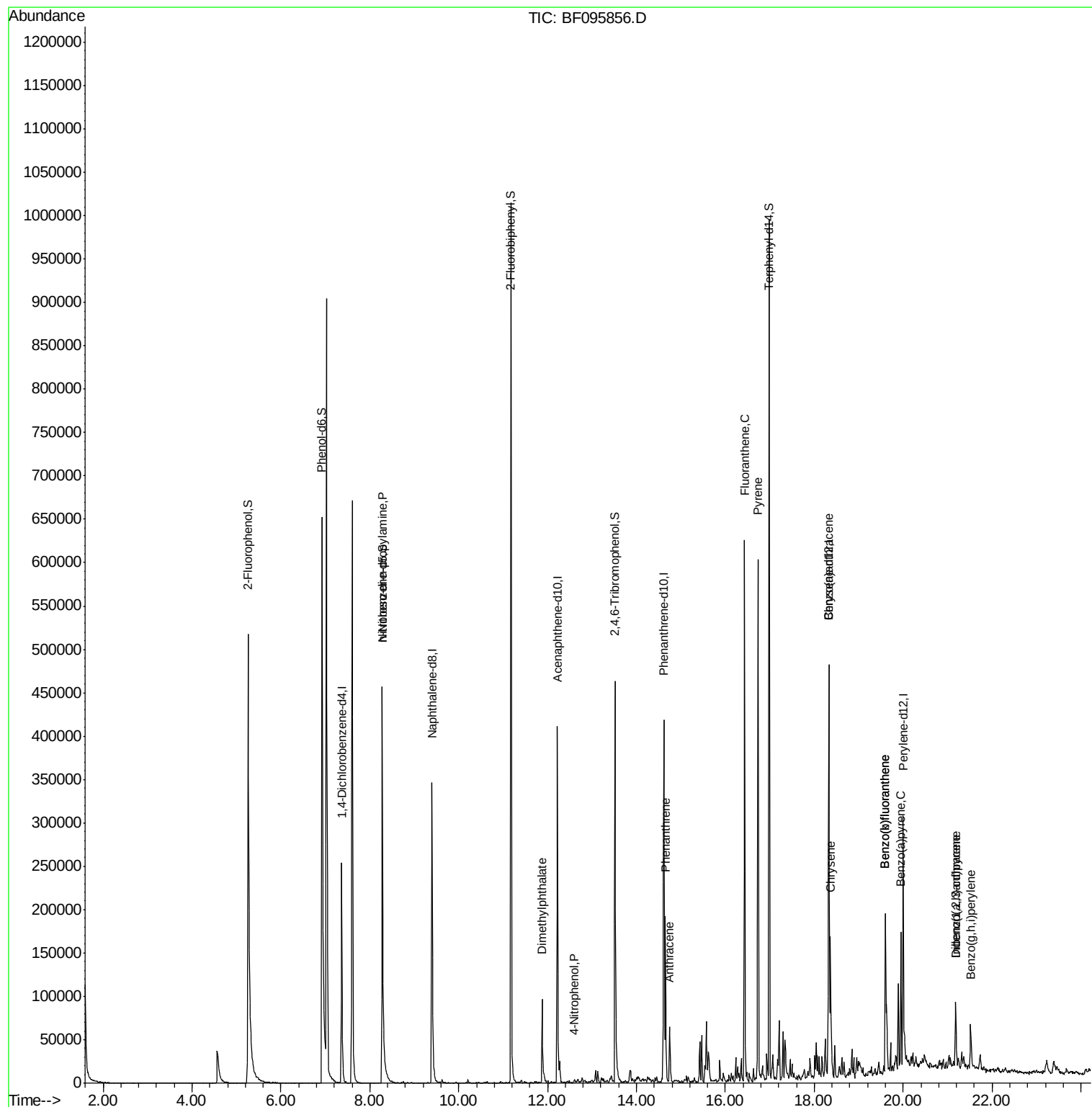
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	63137	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	264354	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	121064	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	220705	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	147643	20.00	ng	-0.02
86) Perylene-d12	20.00	264	126951	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	378063	95.42	ng	-0.03
7) Phenol-d6	6.92	99	461600	97.31	ng	-0.04
23) Nitrobenzene-d5	8.28	82	263428	61.89	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	85462	79.79	ng	-0.04
44) 2-Fluorobiphenyl	11.17	172	471579	54.21	ng	-0.04
78) Terphenyl-d14	16.99	244	375810	63.17	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.28	70	32393	10.78	ng	# 77
49) Dimethylphthalate	11.87	163	71167	7.74	ng	98
55) 4-Nitrophenol	12.59	139	233	4.79	ng	# 25
70) Phenanthrene	14.65	178	116514	9.15	ng	96
71) Anthracene	14.74	178	46408	3.49	ng	96
74) Fluoranthene	16.43	202	312421	24.79	ng	99
77) Pyrene	16.73	202	257989	23.42	ng	# 96
80) Benzo(a)anthracene	18.32	228	104260	12.15	ng	98
82) Chrysene	18.37	228	92485	10.78	ng	97
85) Indeno(1,2,3-cd)pyrene	21.19	276	41975	5.72	ng	96
87) Benzo(b)fluoranthene	19.60	252	96621	12.15	ng	# 97
88) Benzo(k)fluoranthene	19.60	252	96621	12.72	ng	98
89) Benzo(a)pyrene	19.95	252	72848	9.97	ng	98
90) Dibenzo(a,h)anthracene	21.18	278	13817	2.23	ng	# 91
91) Benzo(a,h,i)perylene	21.52	276	40421	6.40	ng	96

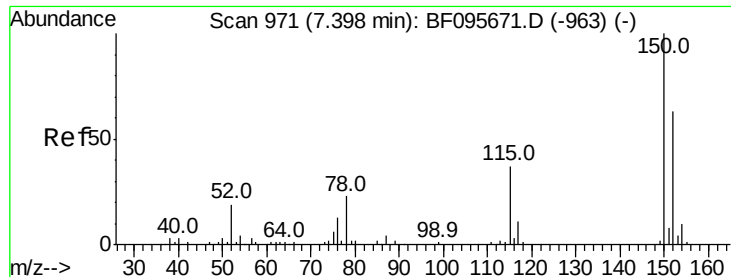
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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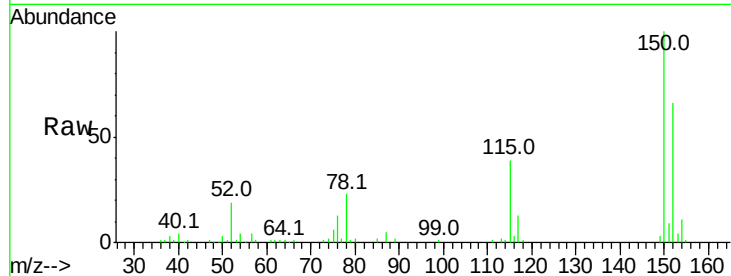


#1

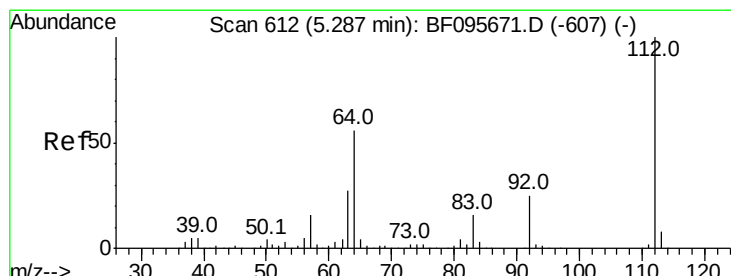
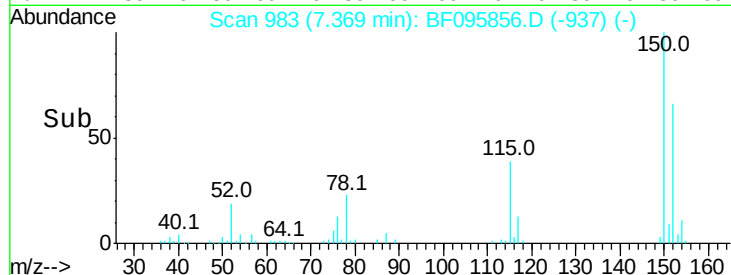
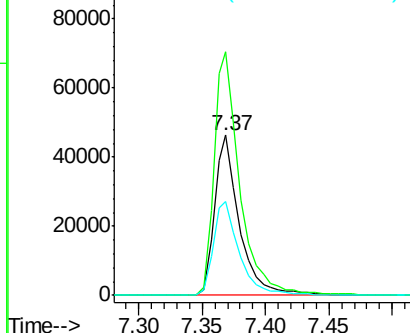
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 63137
Ion Ratio Lower Upper
152 100
150 152.2 126.2 189.2
115 59.0 52.2 78.2



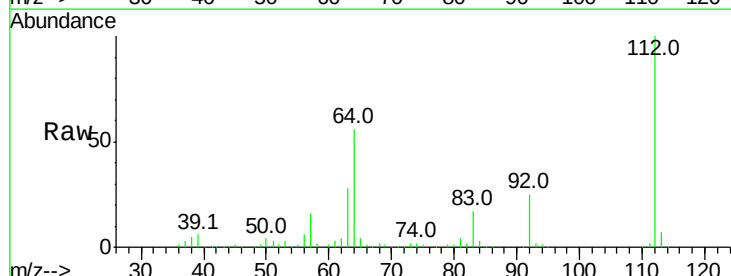
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



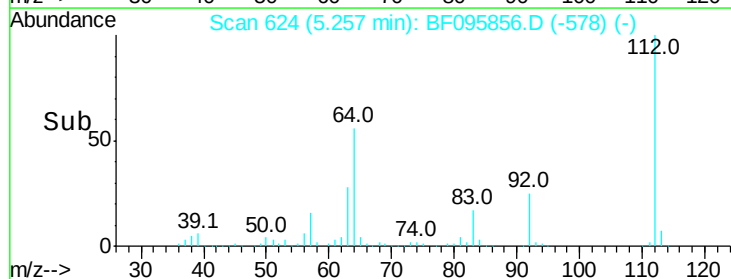
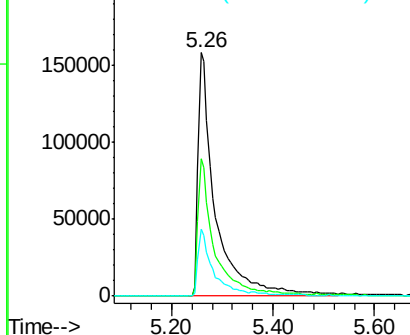
#5

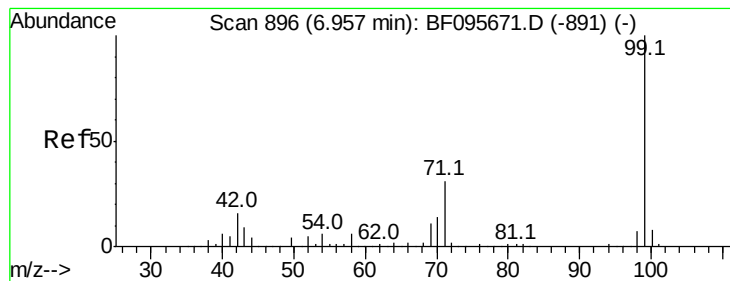
2-Fluorophenol
Concen: 95.42 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion:112 Resp: 378063
Ion Ratio Lower Upper
112 100
64 56.3 46.0 69.0
63 27.5 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: 97.31 ng

RT: 6.92 min Scan# 907

Delta R.T. -0.04 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

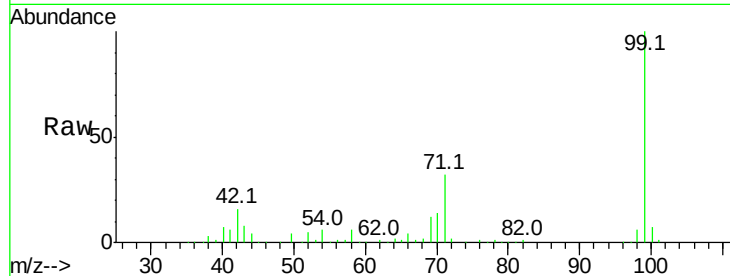
Tot Ion: 99 Resp: 461600

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

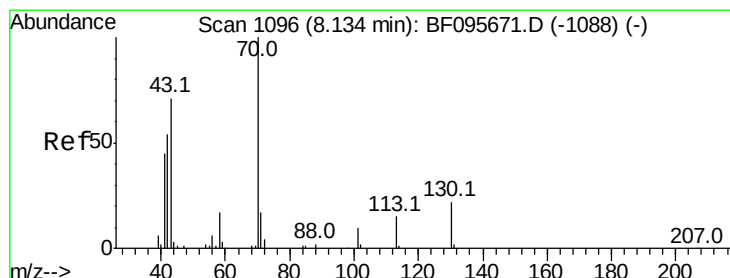
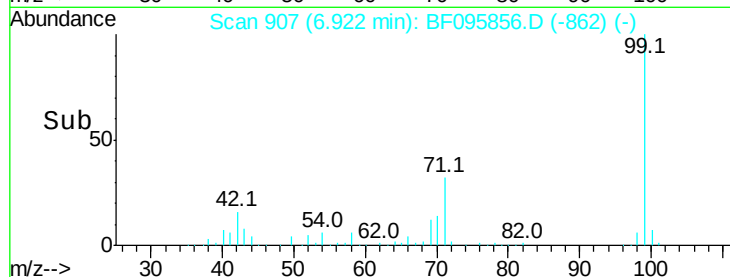
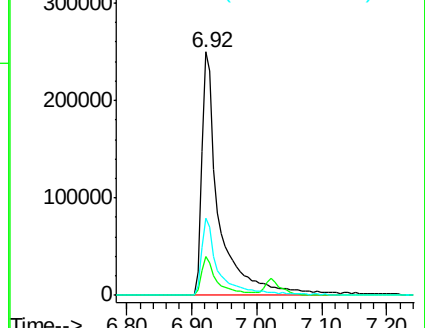
71 32.0 24.5 36.7



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: 10.78 ng

RT: 8.28 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Tgt Ion: 70 Resp: 32393

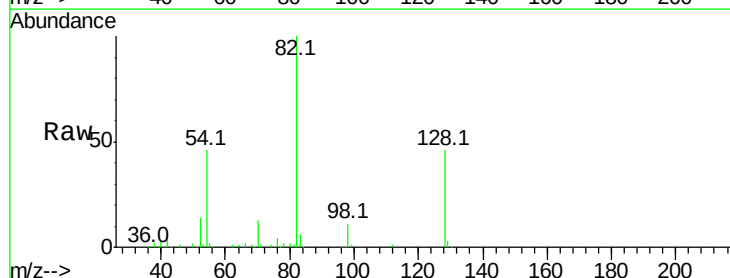
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

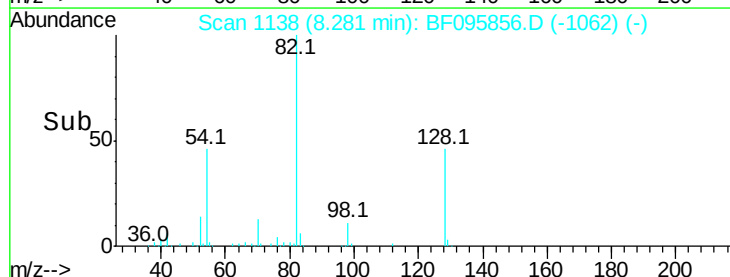
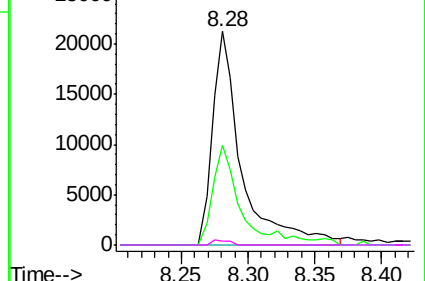


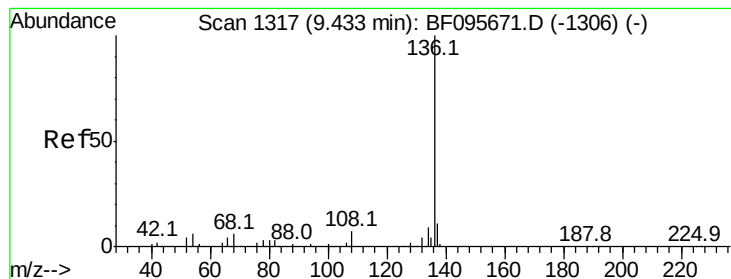
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): 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: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :

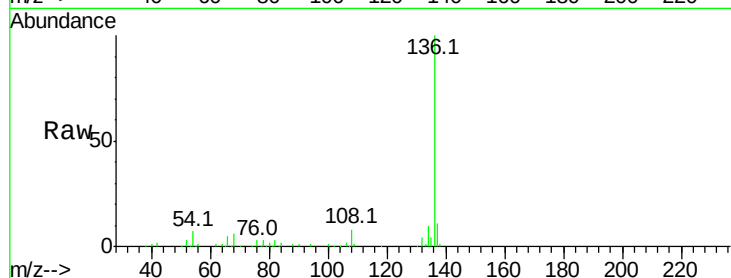
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 264354

Ion Ratio Lower Upper

136	100		
137	10.6	8.5	12.7
54	7.4	4.9	7.3#
68	6.0	4.1	6.1

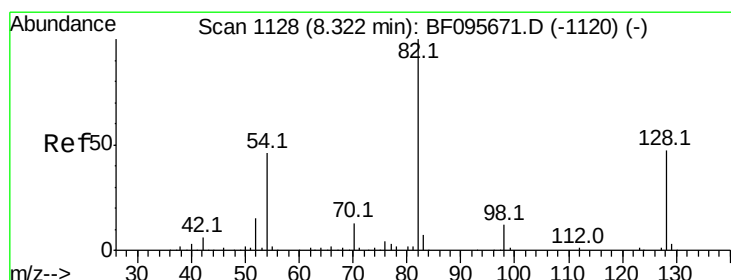
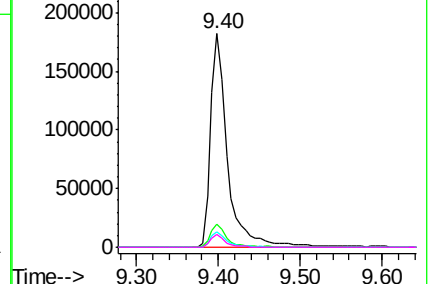
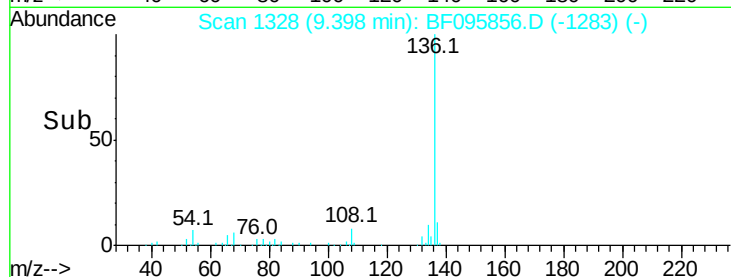


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.89 ng

RT: 8.28 min Scan# 1138

Delta R.T. -0.04 min

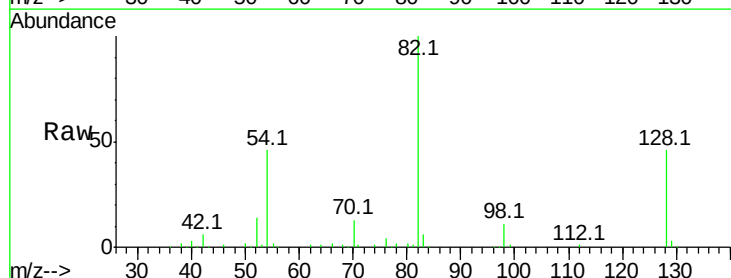
Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Tgt Ion: 82 Resp: 263428

Ion Ratio Lower Upper

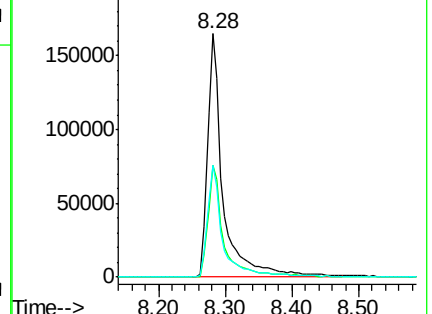
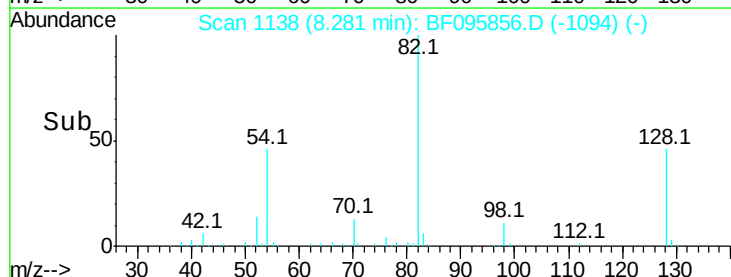
82	100		
128	45.9	34.0	51.0
54	45.7	42.2	63.2

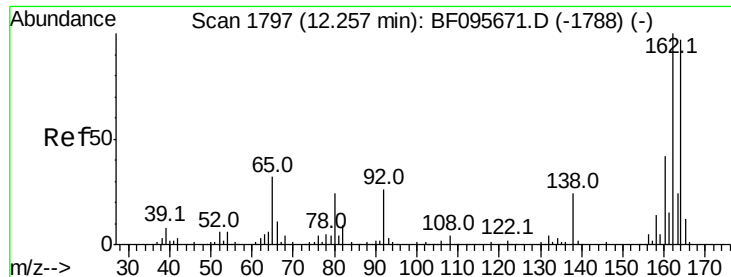


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

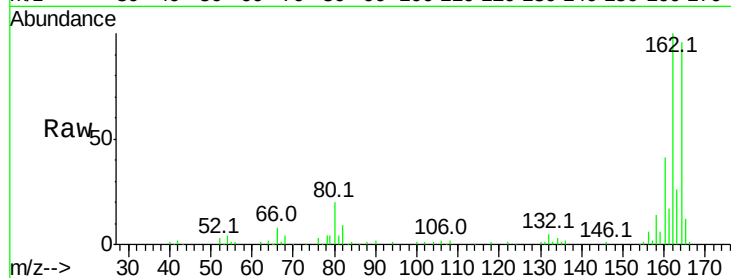
Tot Ion:164 Resp: 121064

Ion Ratio Lower Upper

164 100

162 104.5 82.6 123.8

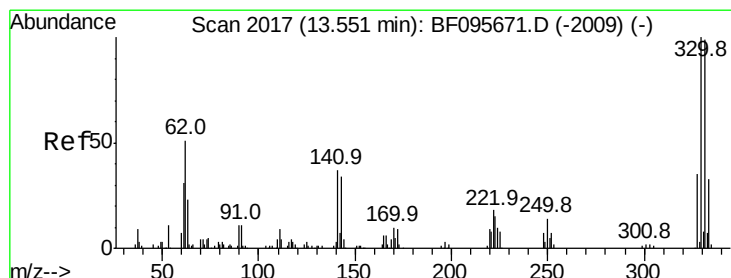
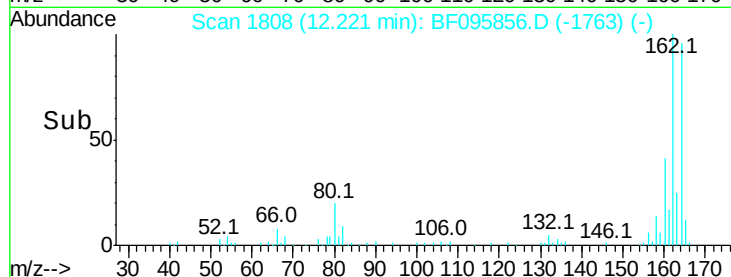
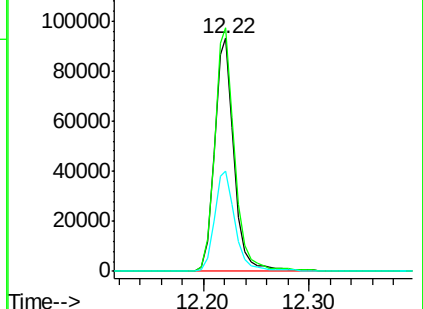
160 42.8 36.2 54.2



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: 79.79 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

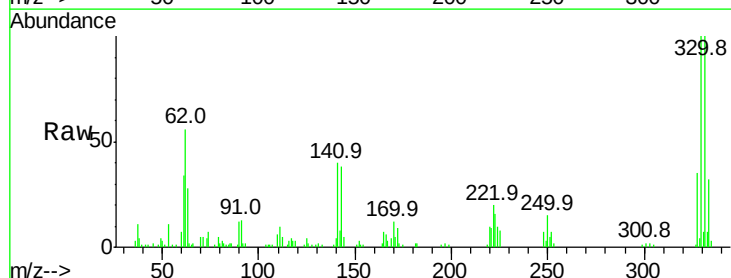
Tgt Ion:330 Resp: 85462

Ion Ratio Lower Upper

330 100

332 99.3 76.6 115.0

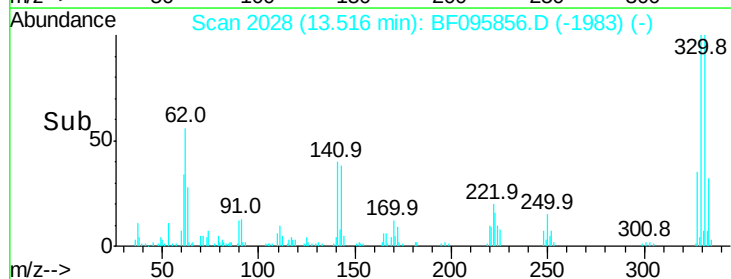
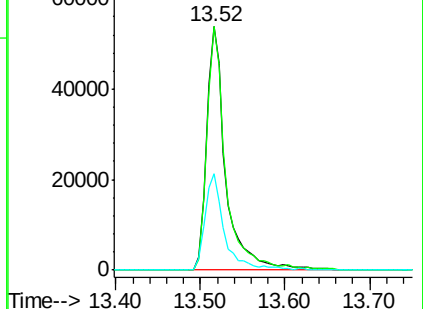
141 39.5 31.4 47.2

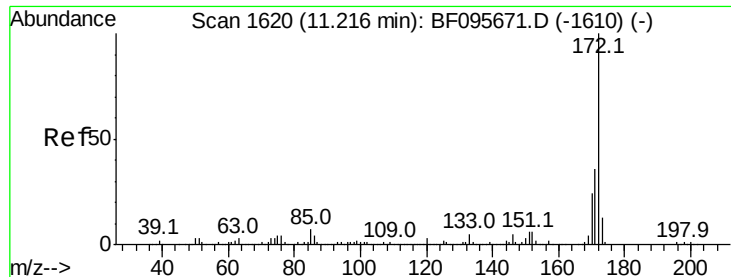


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

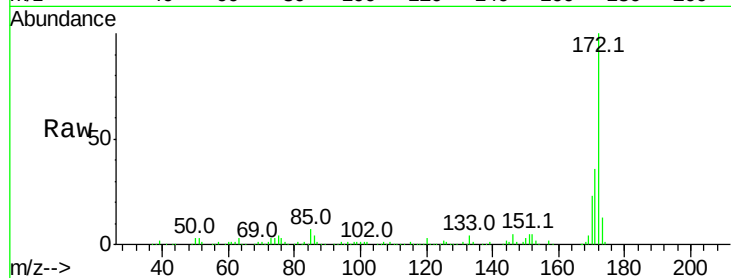




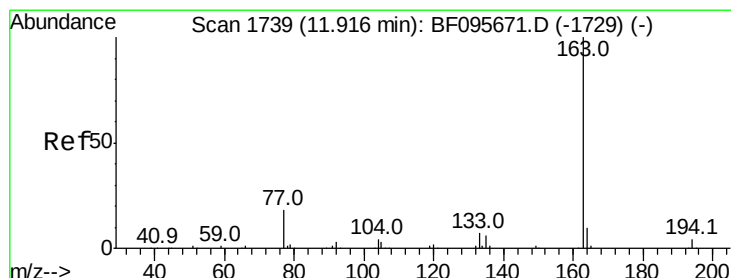
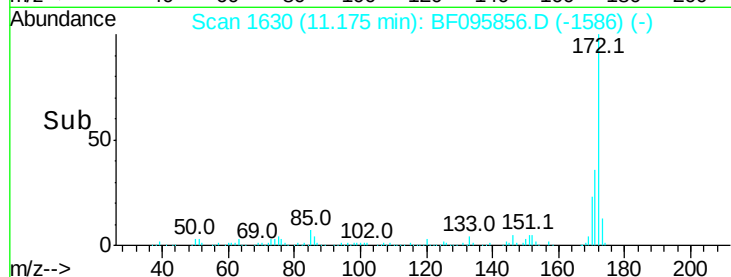
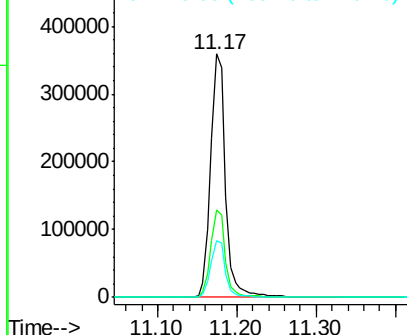
#44
2-Fluorobiphenyl
Concen: 54.21 ng
RT: 11.17 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 471579
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.3 19.8 29.8

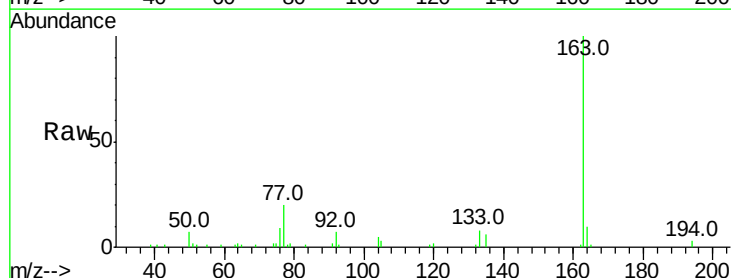


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

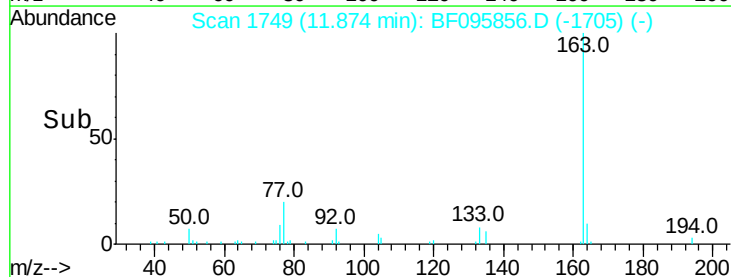
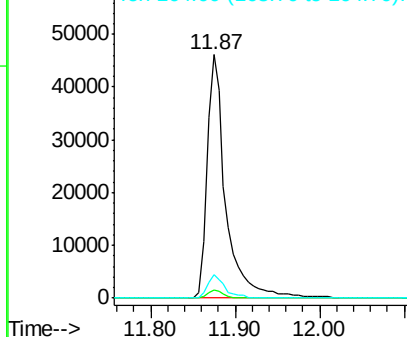


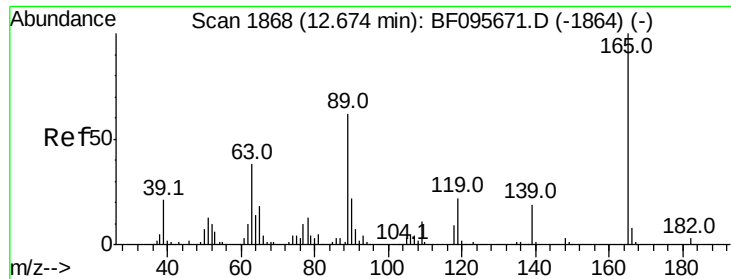
#49
Dimethylphthalate
Concen: 7.74 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion:163 Resp: 71167
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.7 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: 4.79 ng

RT: 12.59 min Scan# 1871

Delta R.T. -0.08 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

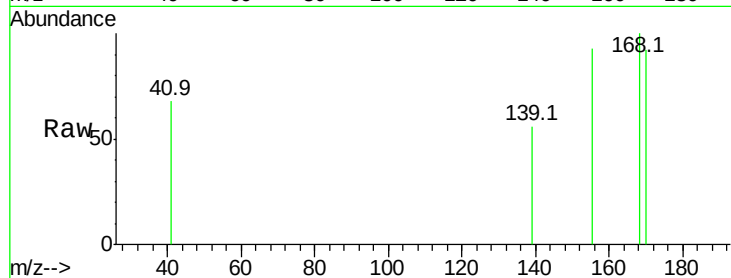
Tot Ion:139 Resp: 233

Ion Ratio Lower Upper

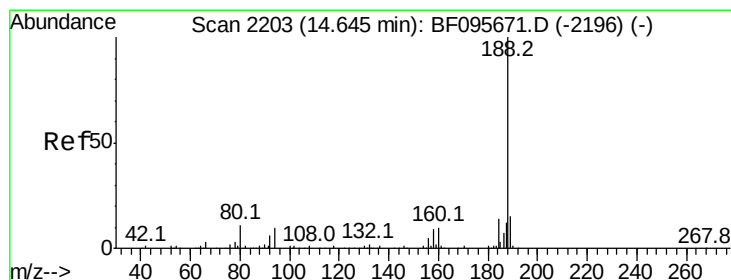
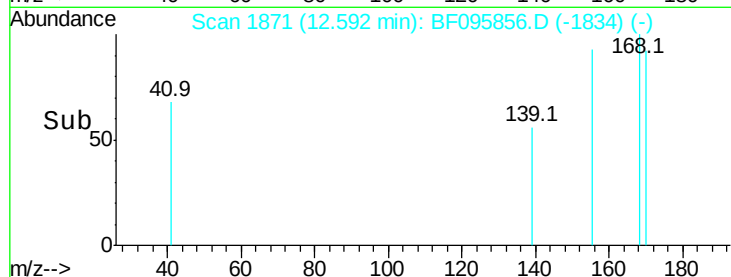
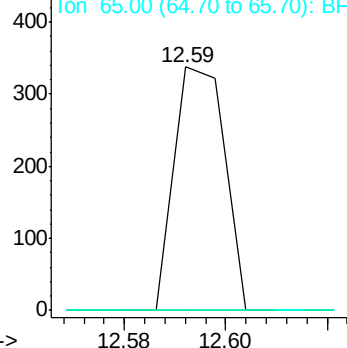
139 100

109 0.0 34.1 74.1#

65 0.0 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.62 min Scan# 2215

Delta R.T. -0.03 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

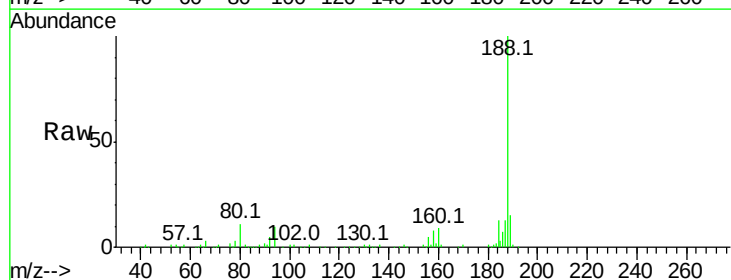
Tgt Ion:188 Resp: 220705

Ion Ratio Lower Upper

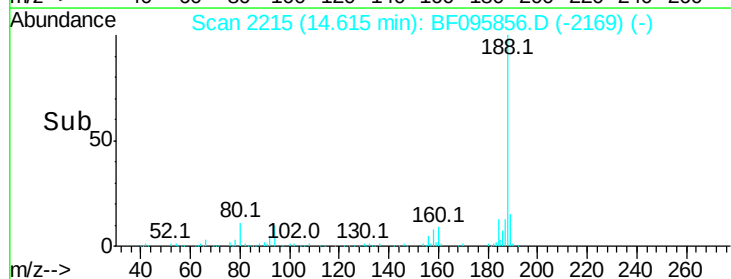
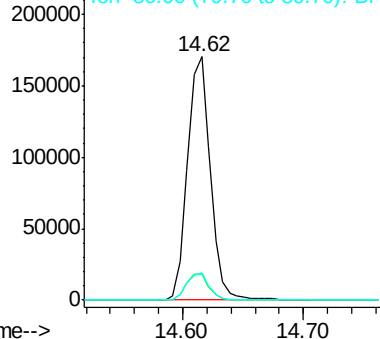
188 100

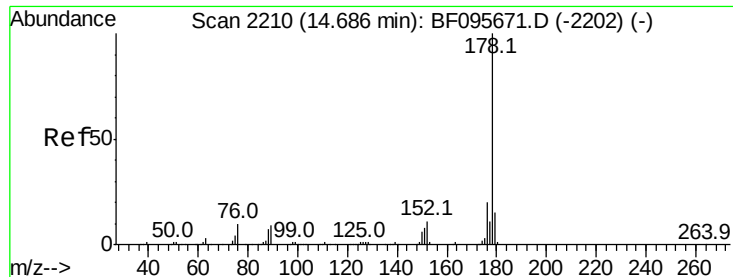
94 10.5 9.4 14.2

80 11.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

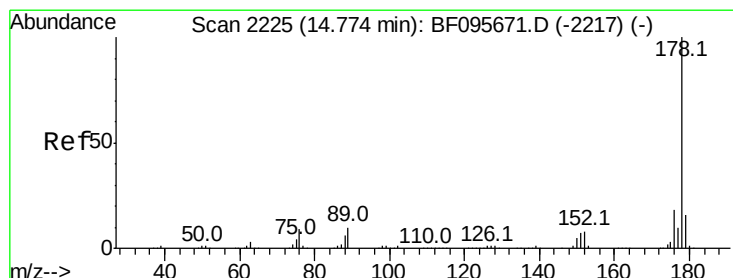
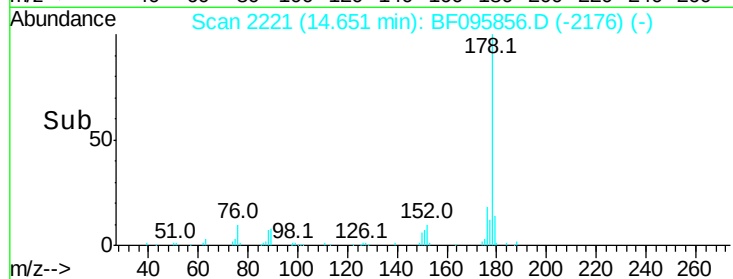
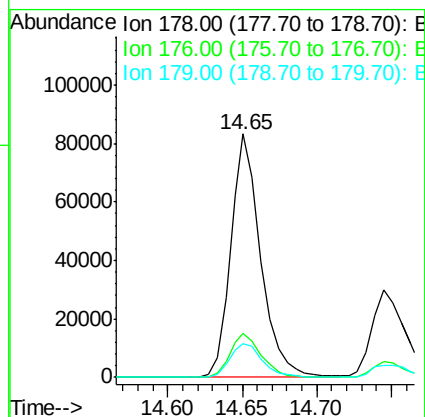
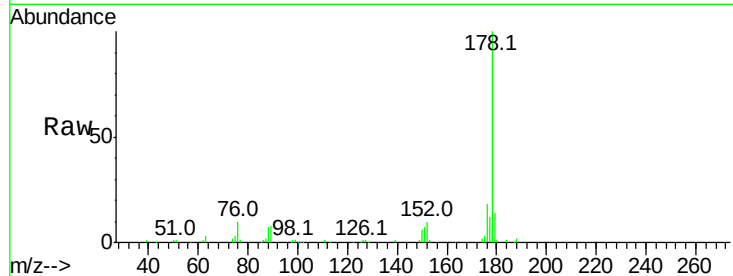




#70
Phenanthrene
Concen: 9.15 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

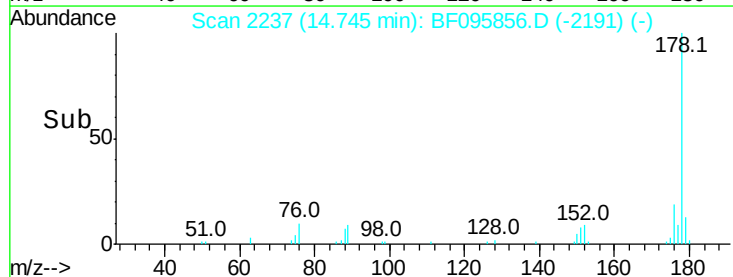
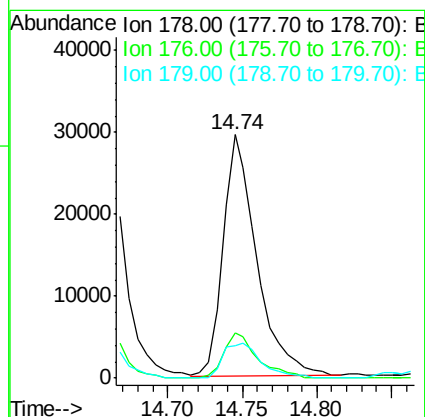
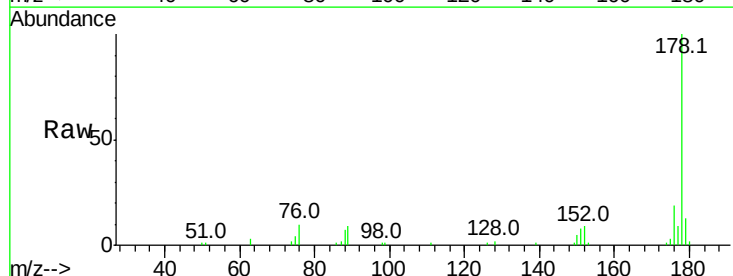
Instrument :
BNA_F
ClientSampleId :

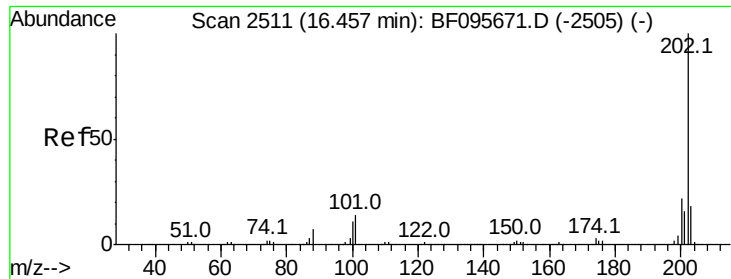
Tot Ion:178 Resp: 116514
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 14.0 12.6 19.0



#71
Anthracene
Concen: 3.49 ng
RT: 14.74 min Scan# 2237
Delta R.T. -0.03 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion:178 Resp: 46408
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 13.1 12.7 19.1

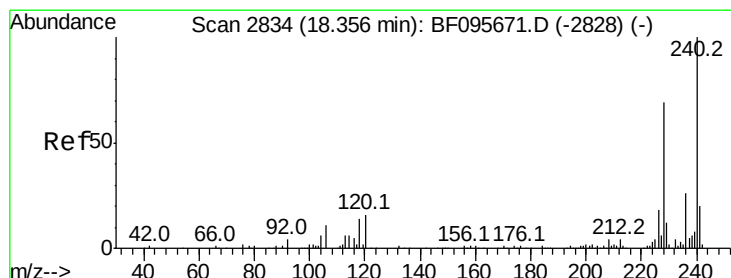
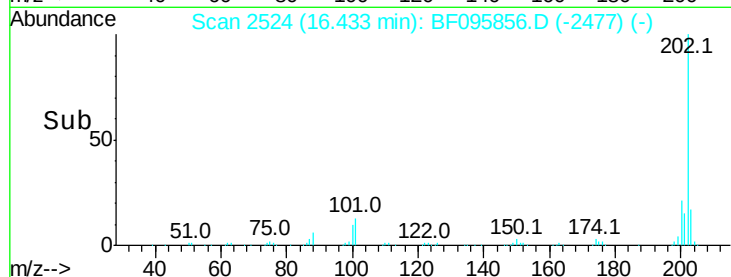
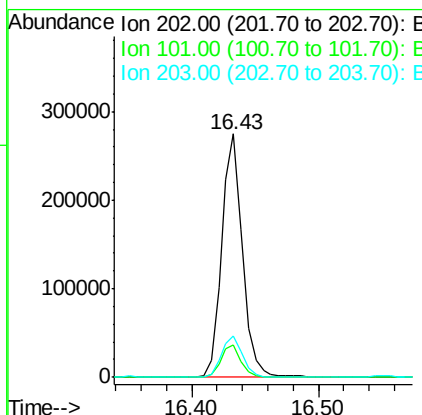
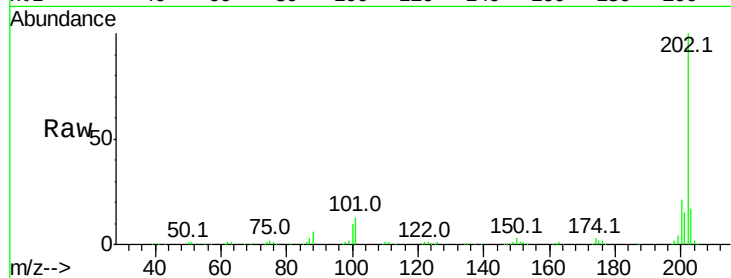




#74
 Fluoranthene
 Concen: 24.79 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

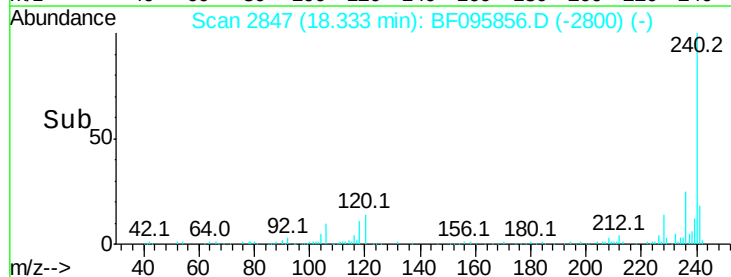
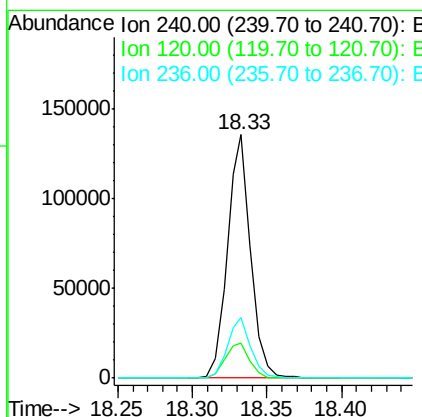
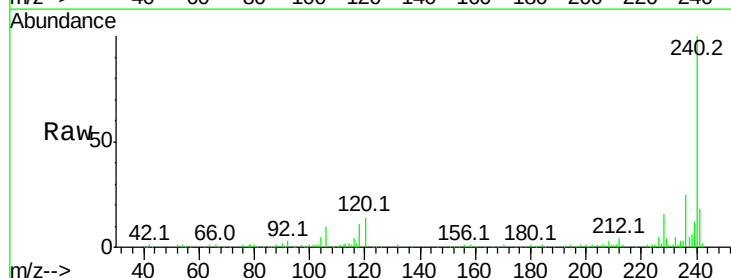
Instrument :
 BNA_F
 ClientSampleId :

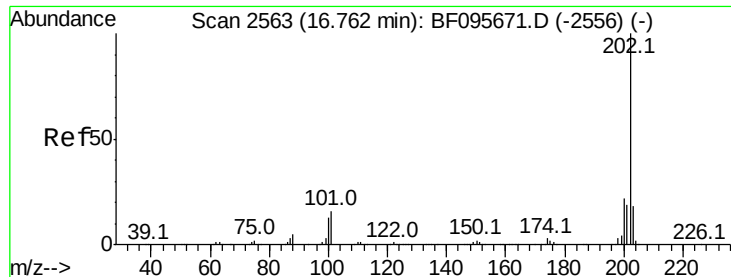
Tot Ion:202 Resp: 312421
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 33.2
 203 17.1 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

Tgt Ion:240 Resp: 147643
 Ion Ratio Lower Upper
 240 100
 120 14.3 5.8 8.8#
 236 24.8 20.5 30.7





#77

Pvrene

Concen: 23.42 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

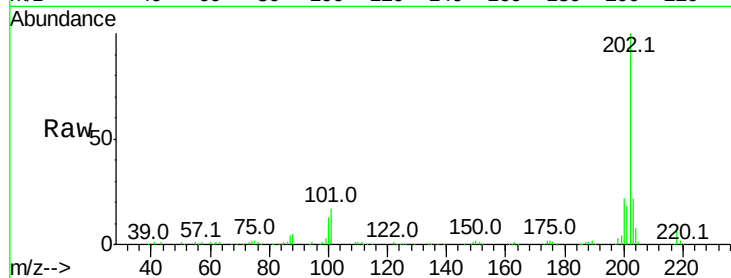
Instrument :

BNA_F

ClientSampled :

Tot Ion:202 Resp: 257989

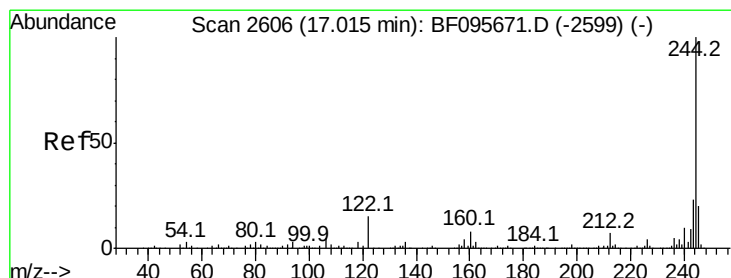
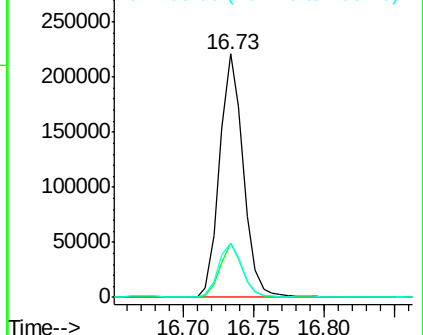
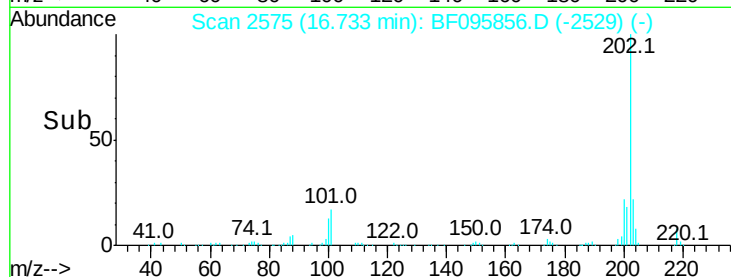
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	22.1	14.4	21.6



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: 63.17 ng

RT: 16.99 min Scan# 2618

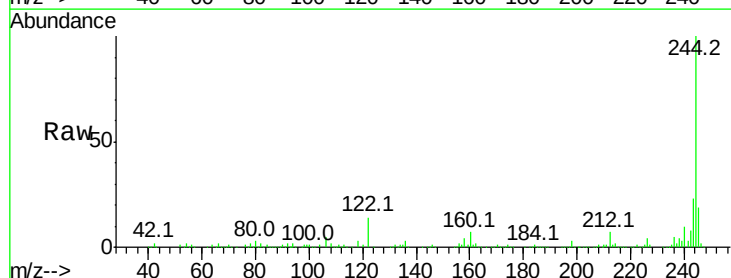
Delta R.T. -0.03 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Tgt Ion:244 Resp: 375810

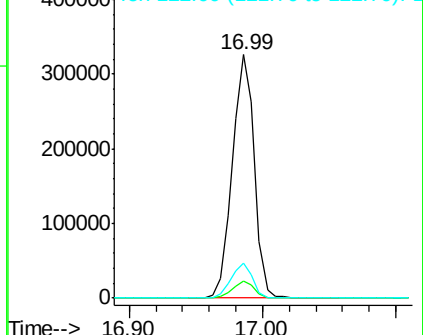
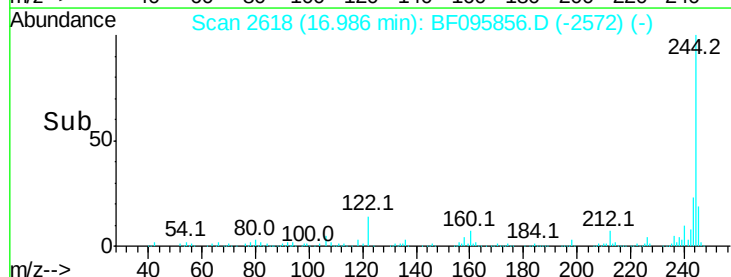
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.5	10.3	15.5

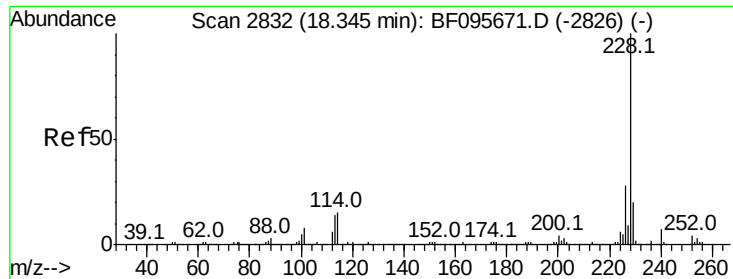


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 12.15 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

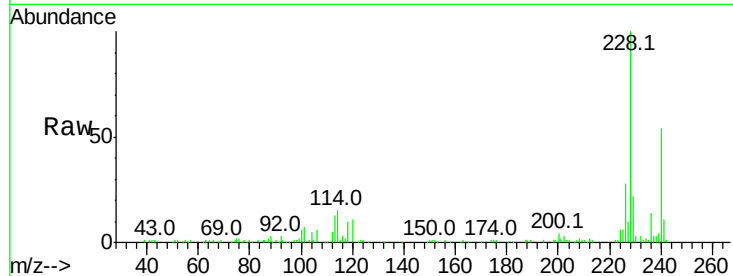
Tot Ion:228 Resp: 104260

Ion Ratio Lower Upper

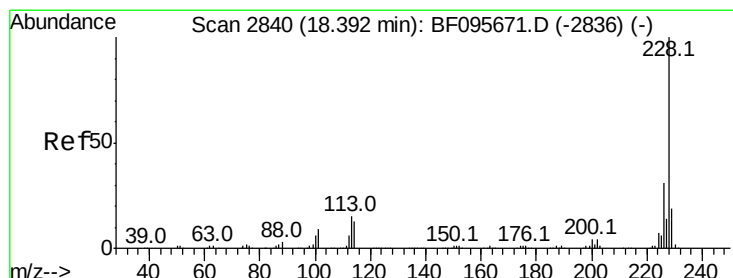
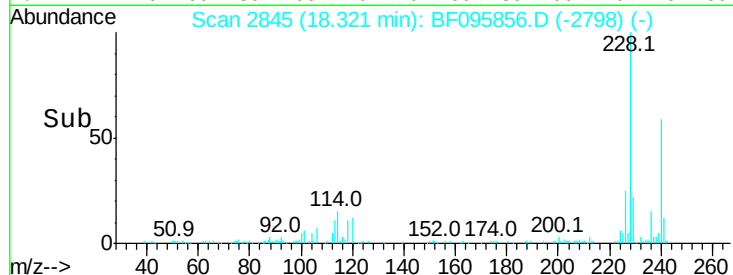
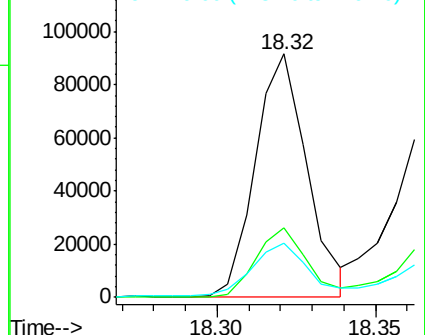
228 100

226 28.4 22.6 33.8

229 22.1 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: 10.78 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

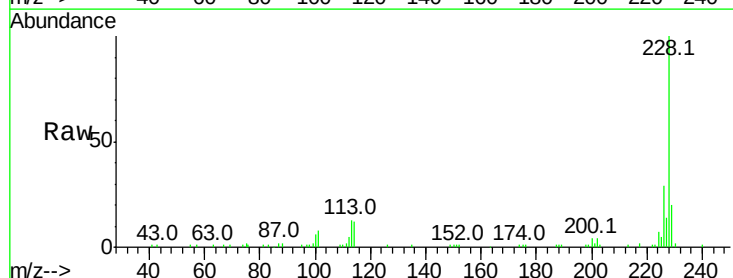
Tgt Ion:228 Resp: 92485

Ion Ratio Lower Upper

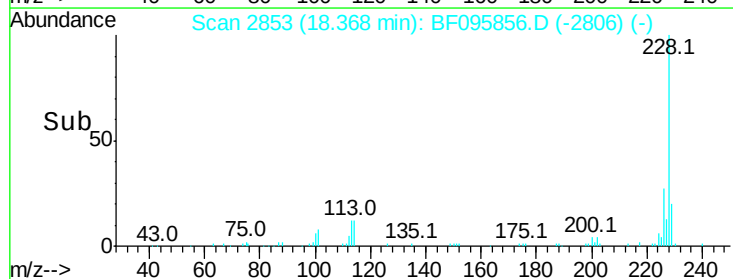
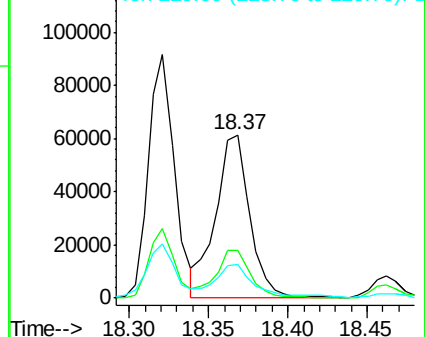
228 100

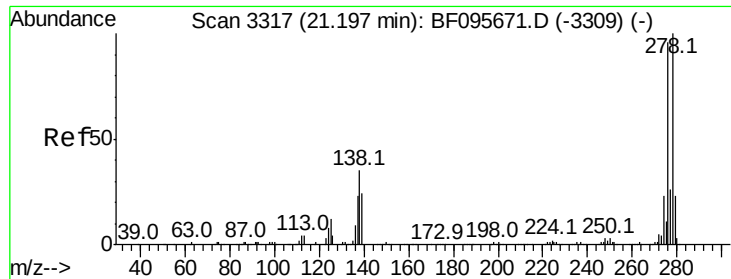
226 29.3 24.9 37.3

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

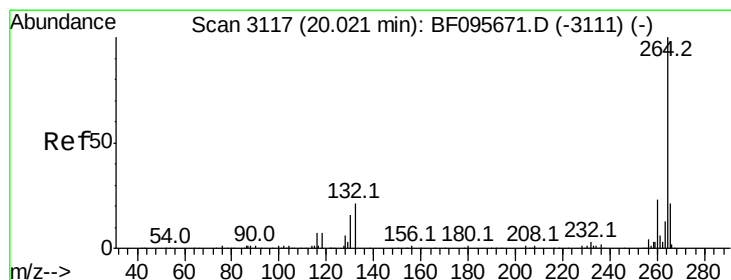
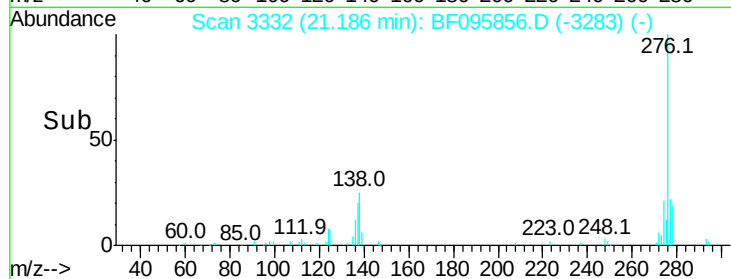
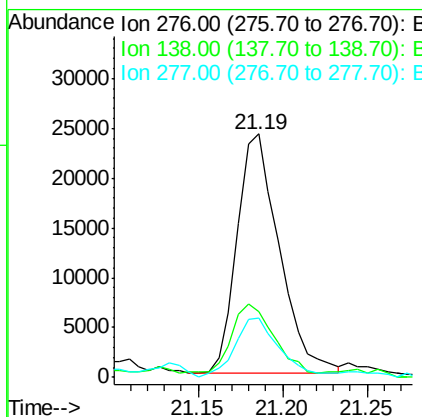
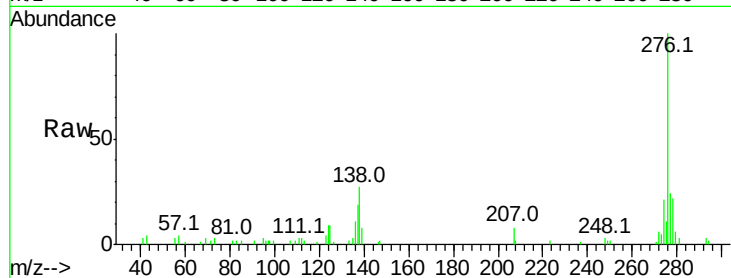




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.72 ng
 RT: 21.19 min Scan# 3332
 Delta R.T. -0.01 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

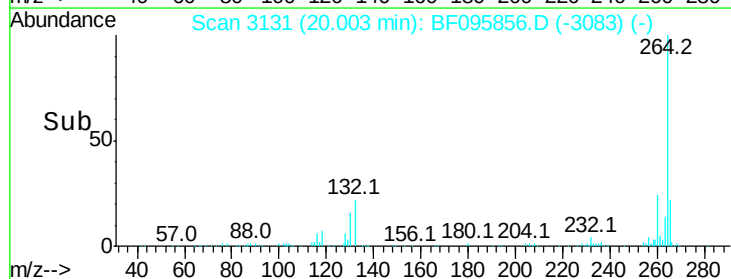
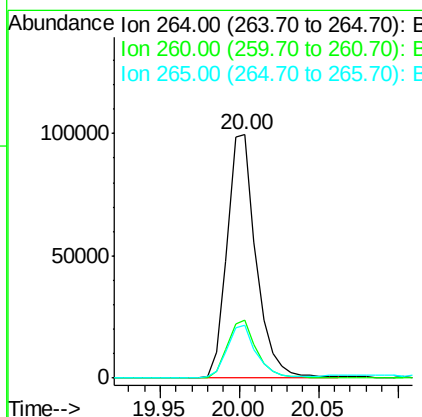
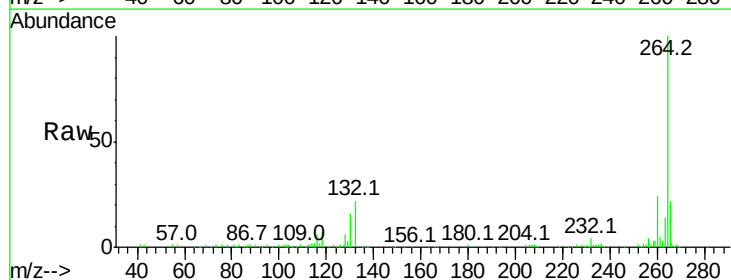
Instrument :
 BNA_F
 ClientSampleId :

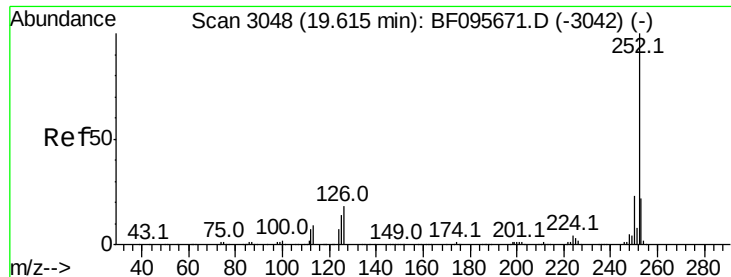
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.1	27.8	41.6
277	26.5	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.00 min Scan# 3131
 Delta R.T. -0.02 min
 Lab File: BF095856.D
 Acq: 10 Jun 2017 19:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.15 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.02 min

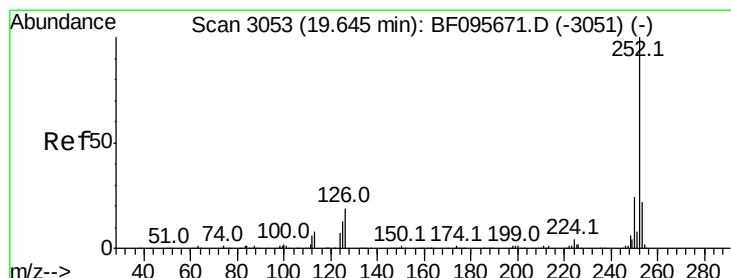
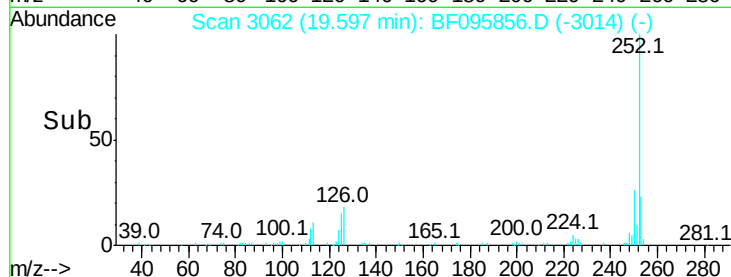
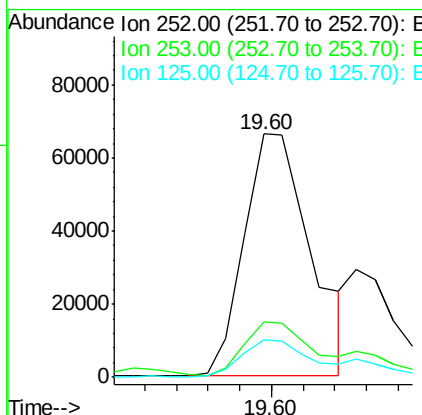
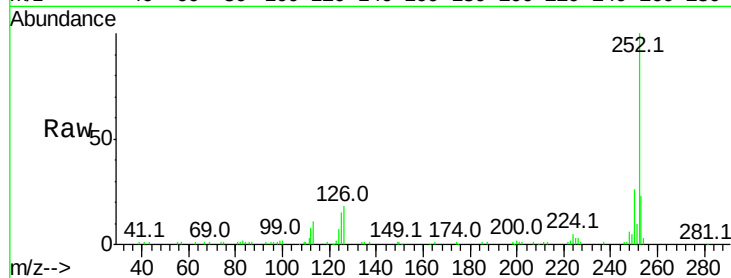
Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 96621

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.2	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 12.72 ng

RT: 19.60 min Scan# 3062

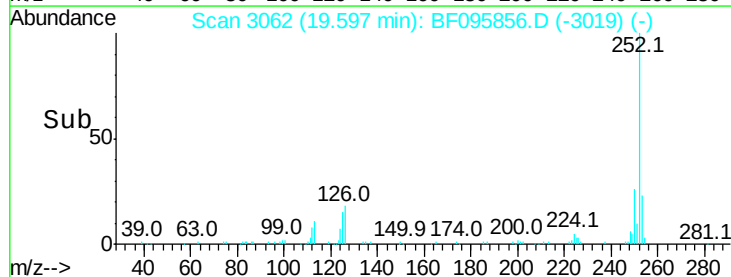
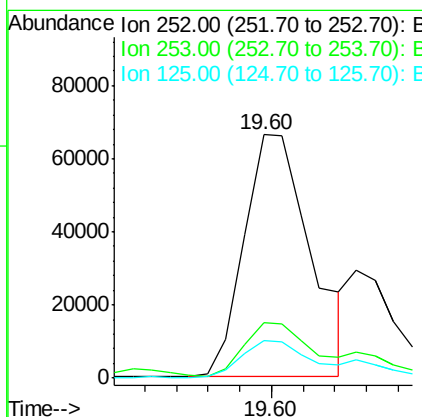
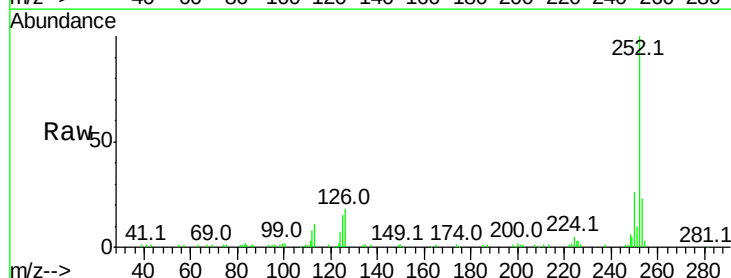
Delta R.T. -0.05 min

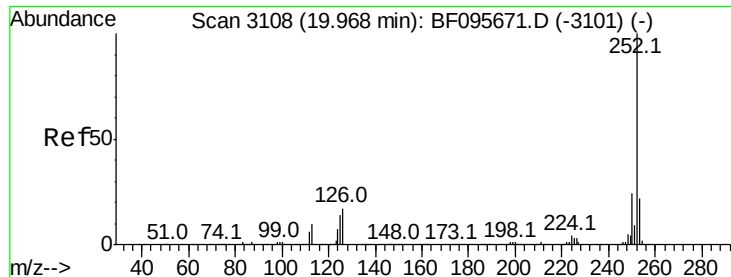
Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Tgt Ion:252 Resp: 96621

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	15.2	13.1	19.7

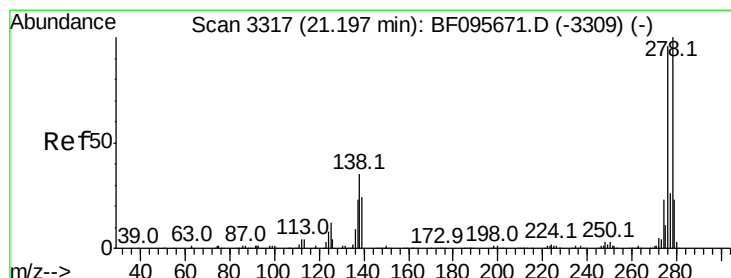
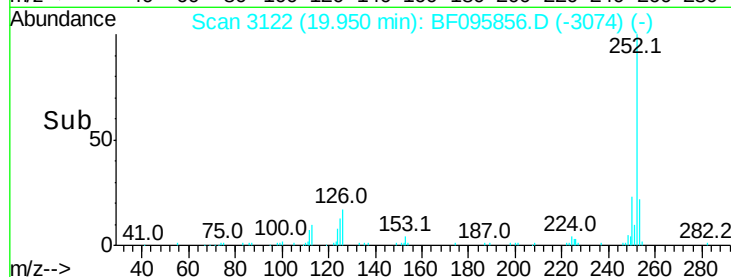
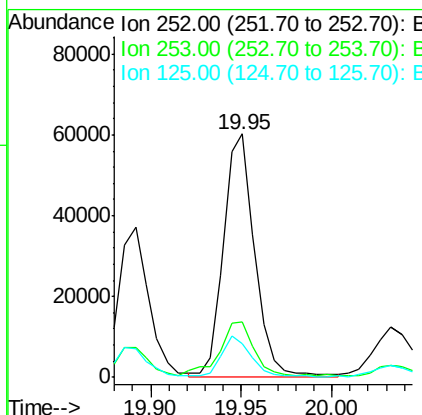
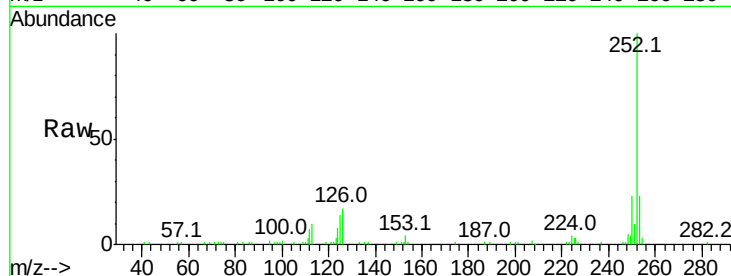




#89
Benzo(a)pyrene
Concen: 9.97 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

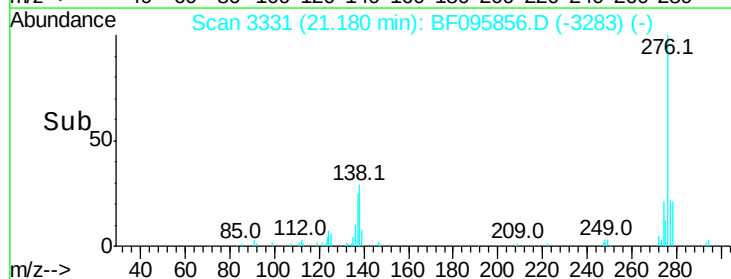
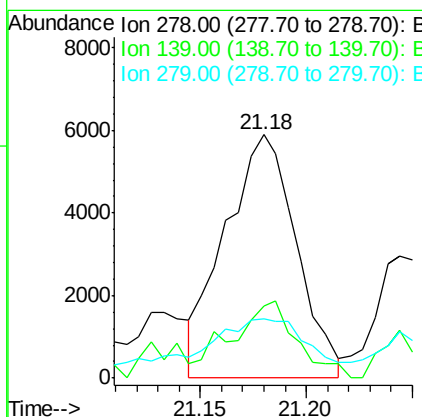
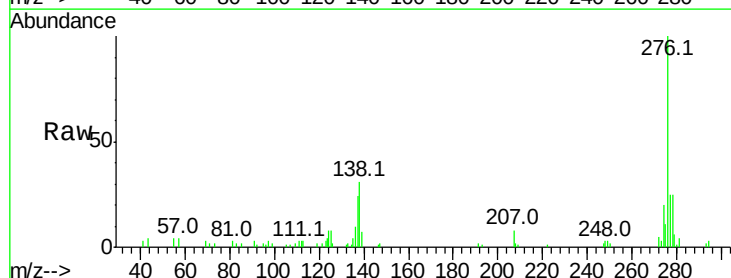
Instrument :
BNA_F
ClientSampleId :

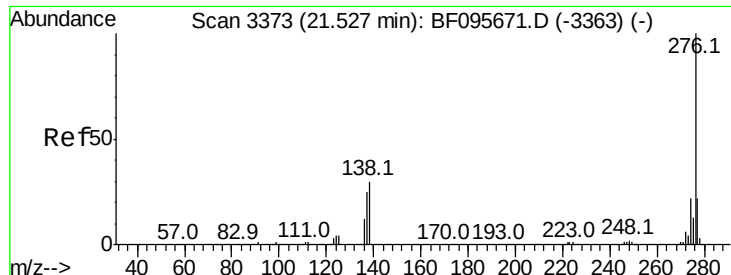
Tot Ion:252 Resp: 72848
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 13.9 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 2.23 ng
RT: 21.18 min Scan# 3331
Delta R.T. -0.02 min
Lab File: BF095856.D
Acq: 10 Jun 2017 19:39

Tgt Ion:278 Resp: 13817
Ion Ratio Lower Upper
278 100
139 29.5 16.6 24.8#
279 24.6 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 6.40 ng

RT: 21.52 min Scan# 3389

Delta R.T. -0.01 min

Lab File: BF095856.D

Acq: 10 Jun 2017 19:39

Instrument :

BNA_F

ClientSampleId :

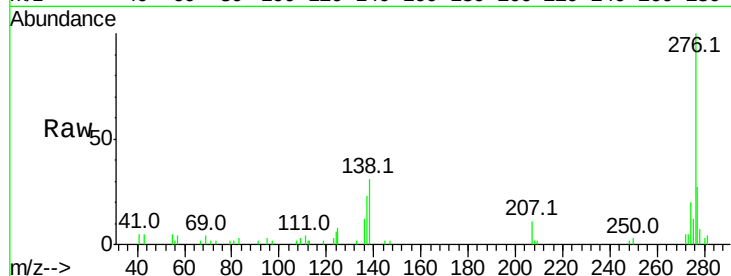
Tot Ion: 276 Resp: 40421

Ion Ratio Lower Upper

276 100

277 27.2 18.6 28.0

138 31.1 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

