

Data File : BF095844.D
Acq On : 10 Jun 2017 3:24
Operator : SJ/MA
Sample : I3457-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-11

Quant Time: Jun 10 04:29:21 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	64488	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	264556	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	107919	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	168420	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	135711	20.00	ng	-0.02
86) Perylene-d12	20.00	264	115370	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	550261	135.97	ng	-0.02
7) Phenol-d6	6.93	99	672301	138.76	ng	-0.02
23) Nitrobenzene-d5	8.29	82	359717	84.44	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	107680	112.77	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	488378	62.97	ng	-0.04
78) Terphenyl-d14	16.99	244	288836	52.82	ng	-0.03

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.29	70	44455	14.48	ng	# 73
49) Dimethylphthalate	11.87	163	97846	11.94	ng	98
55) 4-Nitrophenol	12.58	139	1294	5.63	ng	# 25
70) Phenanthrene	14.65	178	93561	9.63	ng	100
71) Anthracene	14.65	178	93561	9.22	ng	99
74) Fluoranthene	16.43	202	148993	15.49	ng	99
77) Pyrene	16.73	202	162743	16.07	ng	# 95
80) Benzo(a)anthracene	18.32	228	79062	10.02	ng	92
82) Chrysene	18.37	228	84042	10.66	ng	96
83) Bis(2-ethylhexyl)phthalate	18.41	149	18107	2.90	ng	# 97
85) Indeno(1,2,3-cd)pyrene	21.18	276	29868	4.43	ng	98
87) Benzo(b)fluoranthene	19.60	252	106965	14.81	ng	# 96
88) Benzo(k)fluoranthene	19.60	252	107901	15.63	ng	99
89) Benzo(a)pyrene	19.95	252	69352	10.44	ng	97
91) Benzo(g,h,i)perylene	21.52	276	33357	5.81	ng	98

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

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ClientSampleId :

S-11

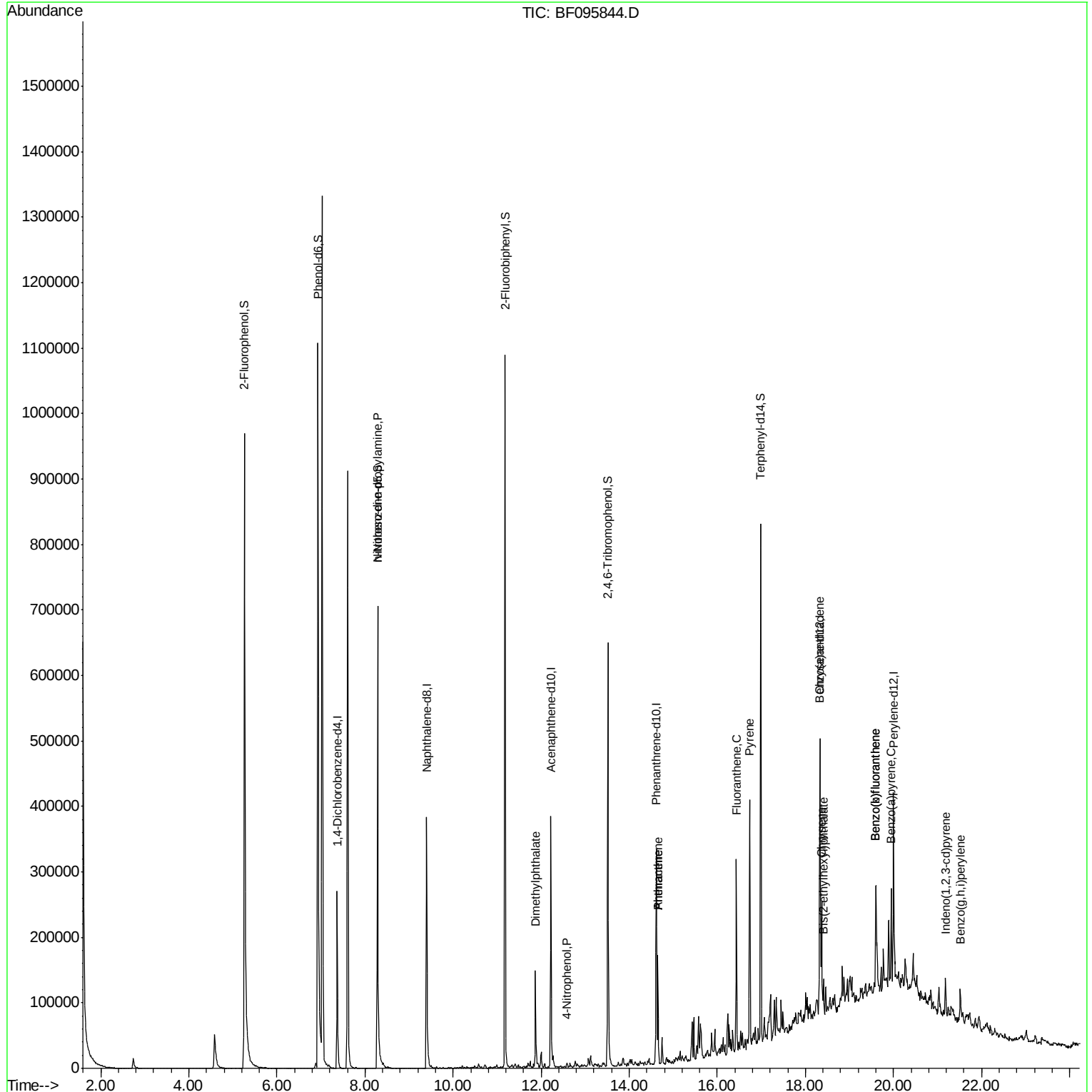
Quant Time: Jun 10 04:29:21 2017

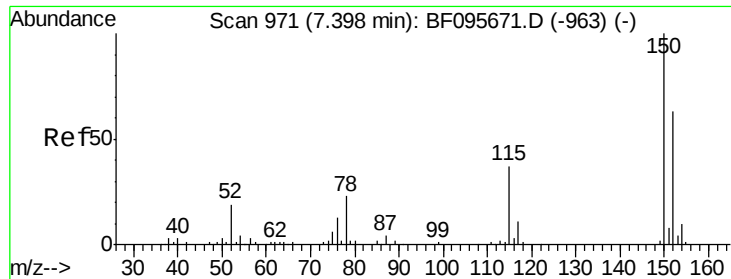
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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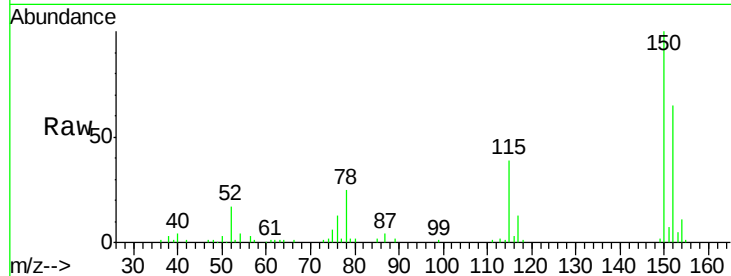


#1

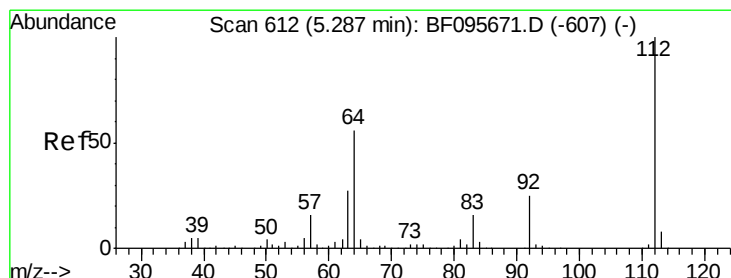
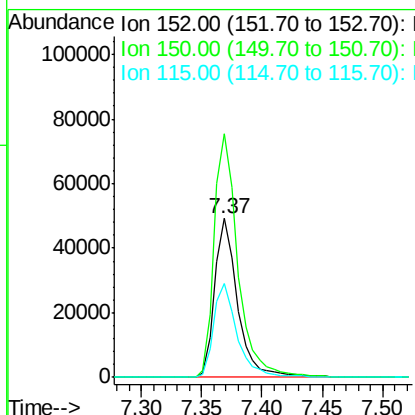
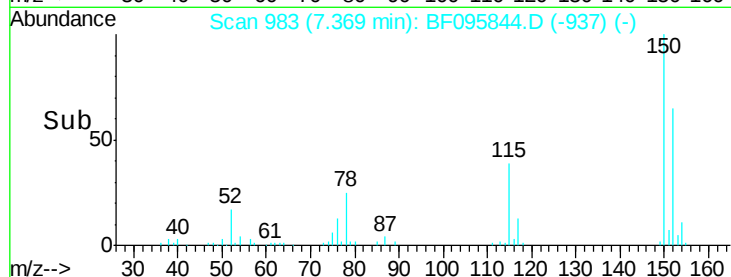
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

Instrument :
BNA_F
ClientSampleId :
S-11

Tgt Ion:152 Resp: 64488
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.2
115 59.0 52.2 78.2



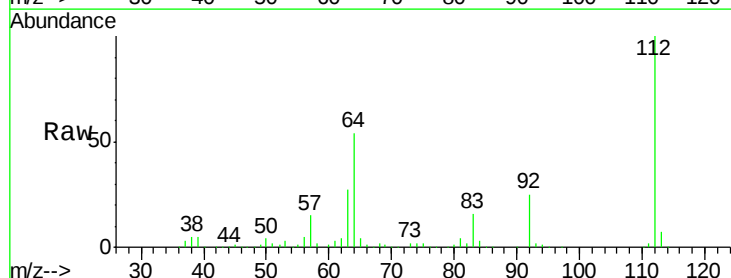
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



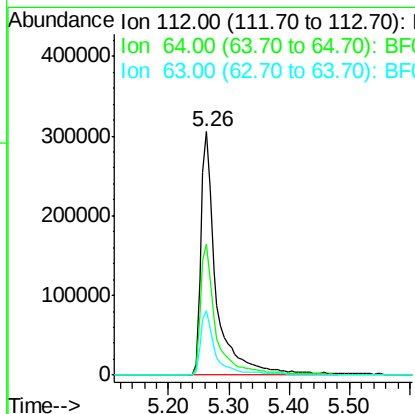
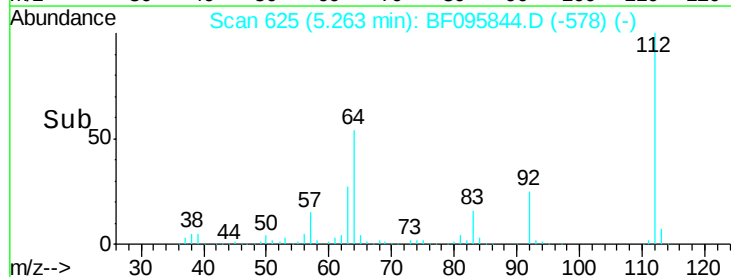
#5

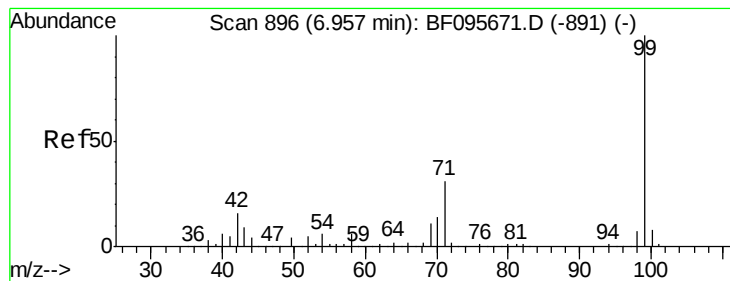
2-Fluorophenol
Concen: 135.97 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

Tgt Ion:112 Resp: 550261
Ion Ratio Lower Upper
112 100
64 53.7 46.0 69.0
63 26.6 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: 138.76 ng

RT: 6.93 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

Instrument :

BNA_F

ClientSampleId :

S-11

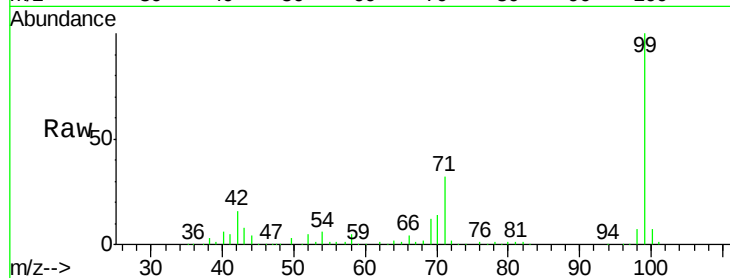
Tgt Ion: 99 Resp: 672301

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

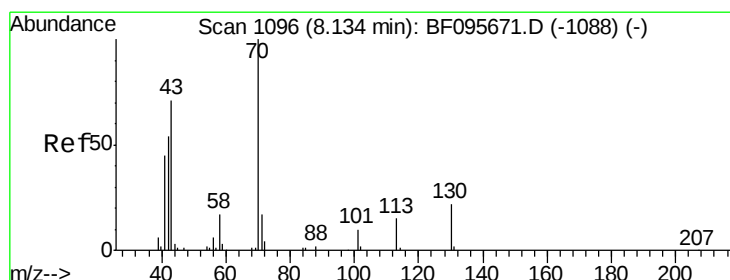
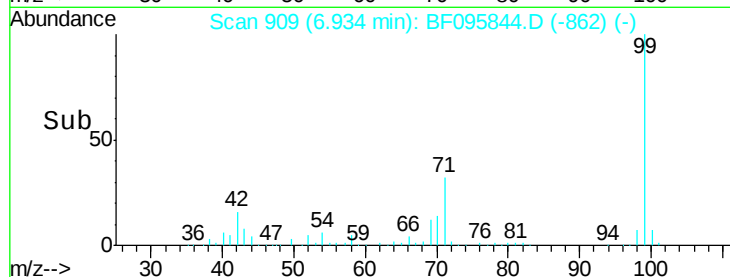
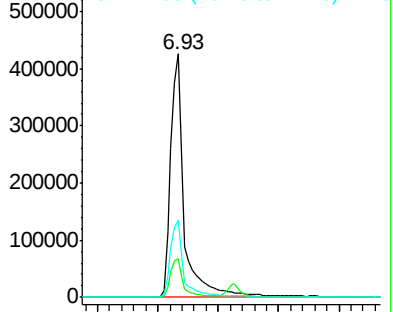
71 31.8 24.5 36.7



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: 14.48 ng

RT: 8.29 min Scan# 1139

Delta R.T. 0.15 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

Tgt Ion: 70 Resp: 44455

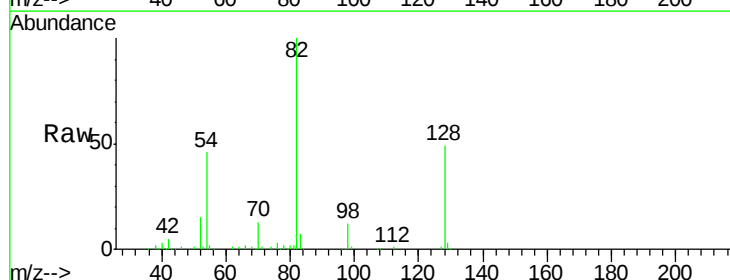
Ion Ratio Lower Upper

70 100

42 41.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

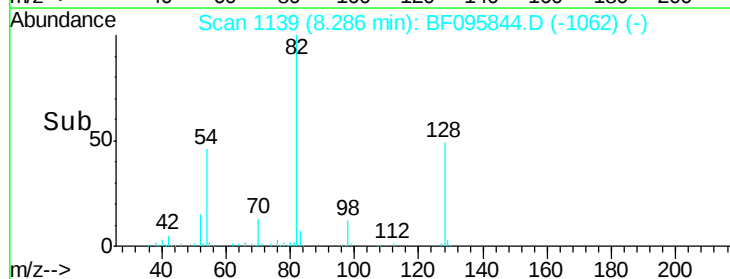
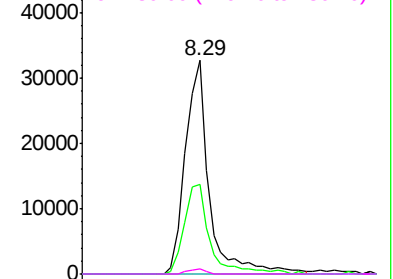


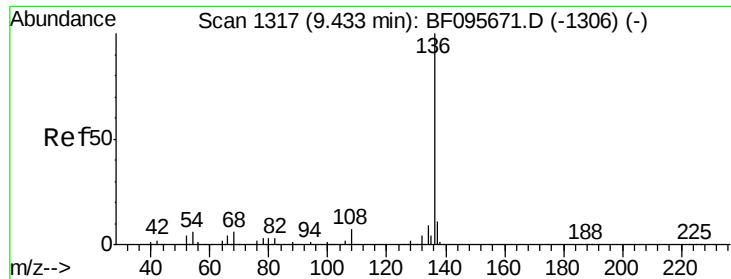
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

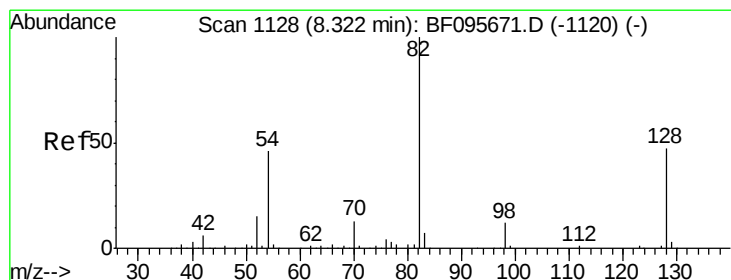
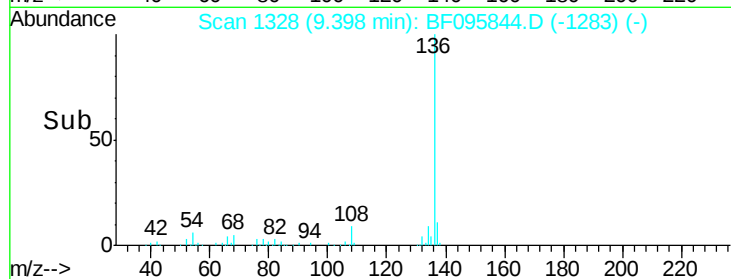
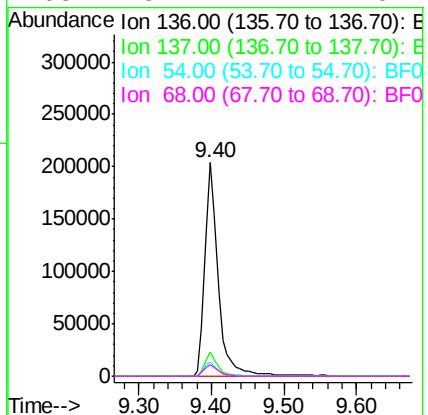
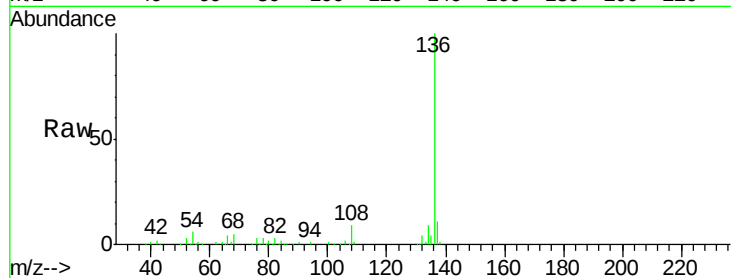




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

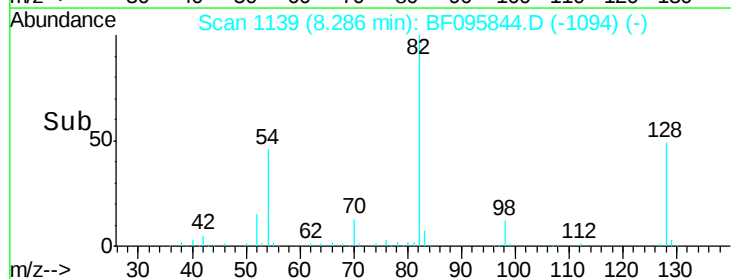
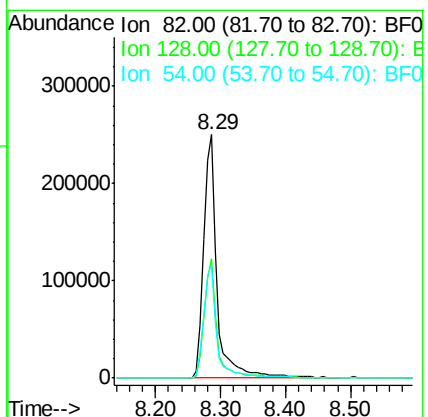
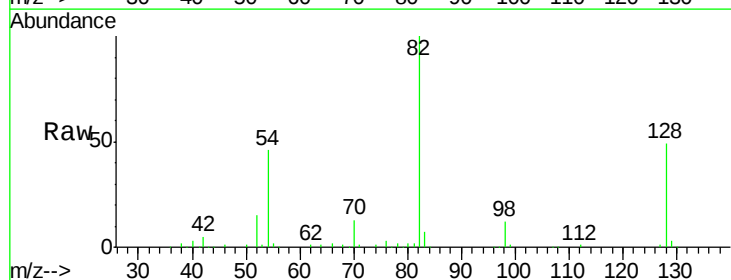
Instrument :
BNA_F
ClientSampleId :
S-11

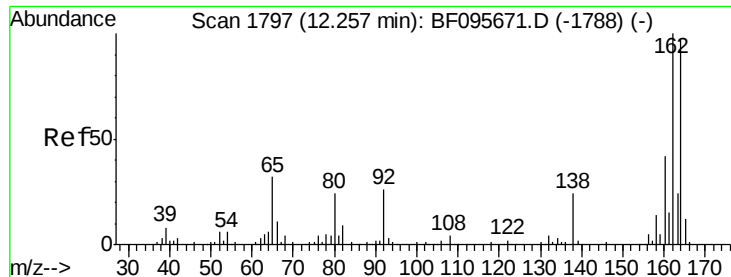
Tgt Ion:	136	Resp:	264556
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	6.5	4.9	7.3
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 84.44 ng
RT: 8.29 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

Tgt Ion:	82	Resp:	359717
Ion	Ratio	Lower	Upper
82	100		
128	48.9	34.0	51.0
54	46.3	42.2	63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

Instrument :

BNA_F

ClientSampleId :

S-11

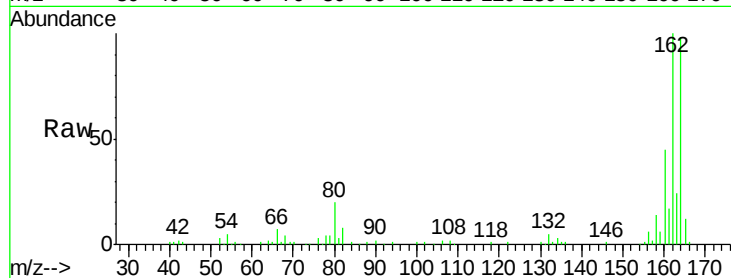
Tgt Ion:164 Resp: 107919

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

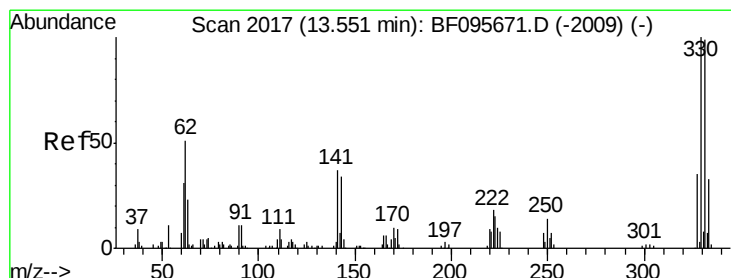
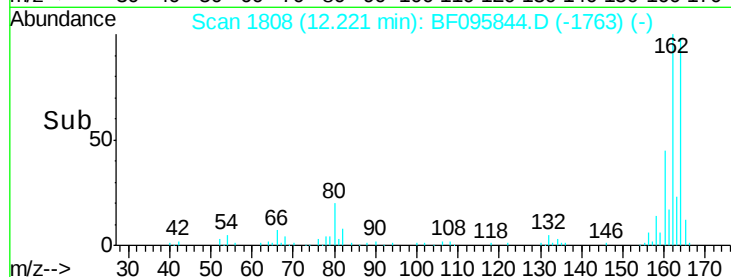
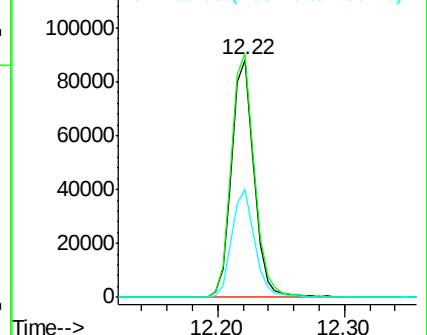
160 45.6 36.2 54.2



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: 112.77 ng

RT: 13.52 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

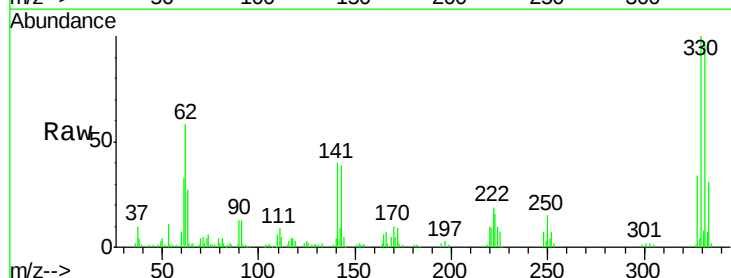
Tgt Ion:330 Resp: 107680

Ion Ratio Lower Upper

330 100

332 94.2 76.6 115.0

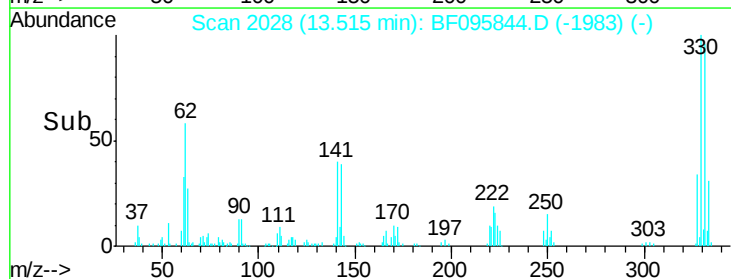
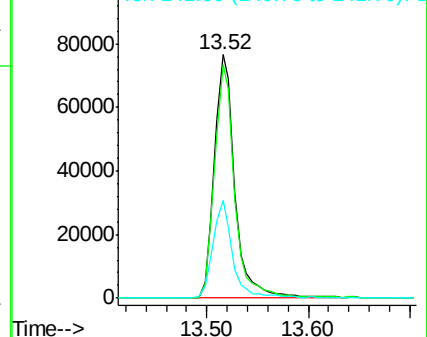
141 38.2 31.4 47.2

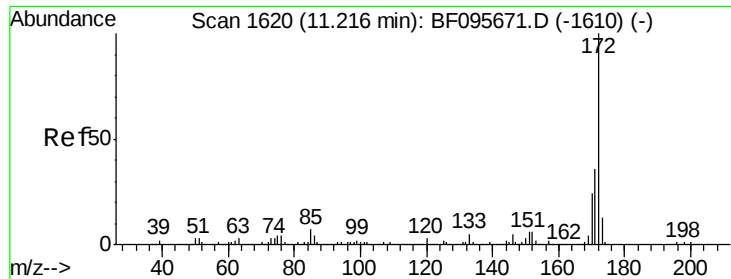


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

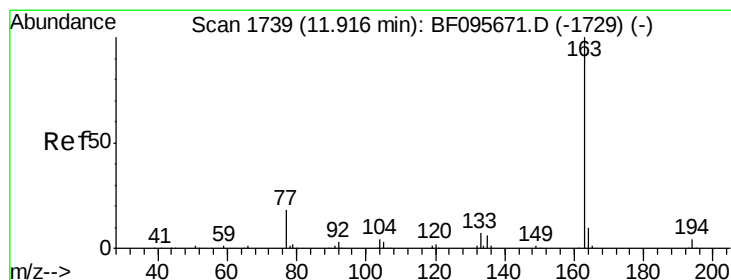
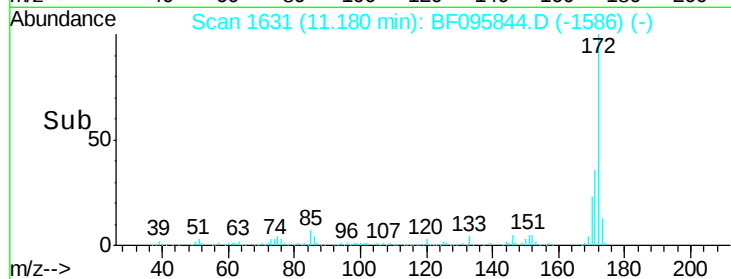
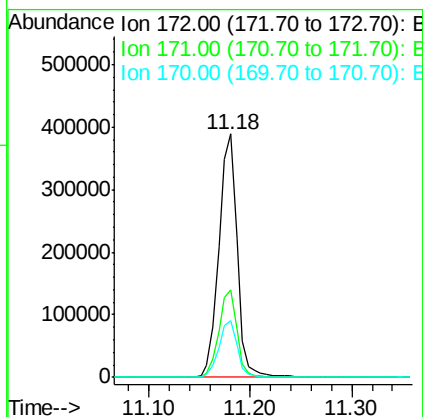
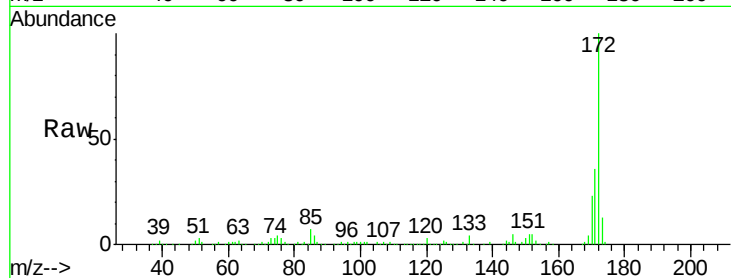




#44
2-Fluorobiphenyl
Concen: 62.97 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

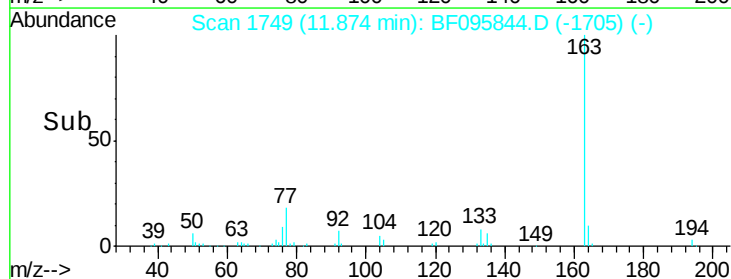
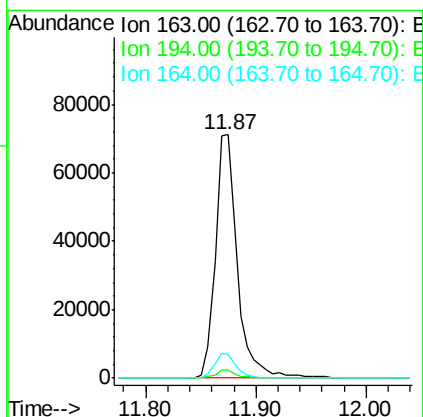
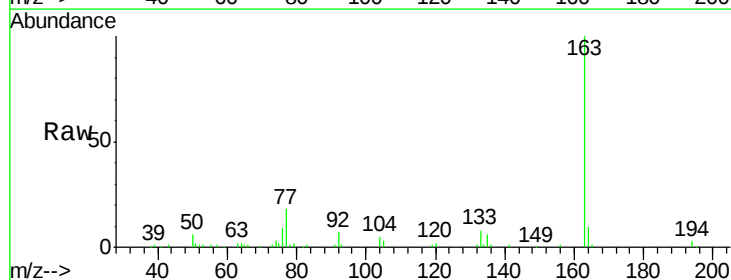
Instrument :
BNA_F
ClientSampled :
S-11

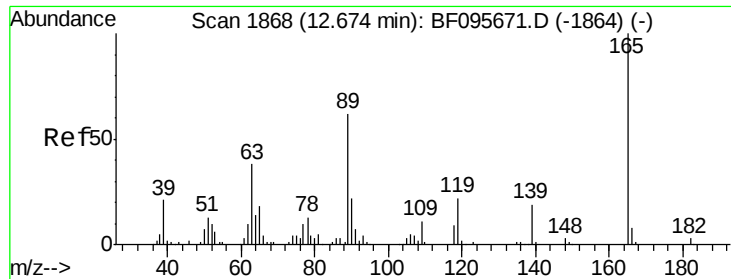
Tgt Ion:172 Resp: 488378
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 11.94 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

Tgt Ion:163 Resp: 97846
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.6 8.4 12.6

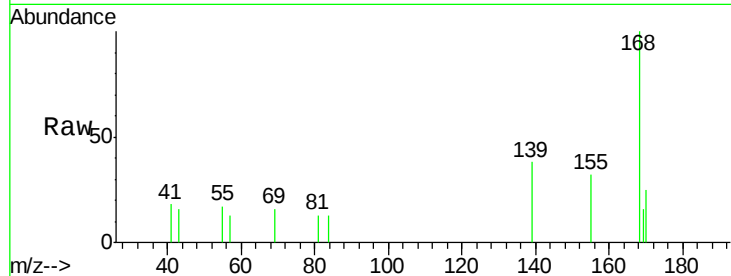




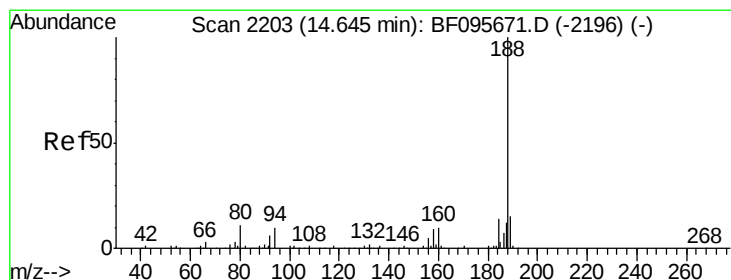
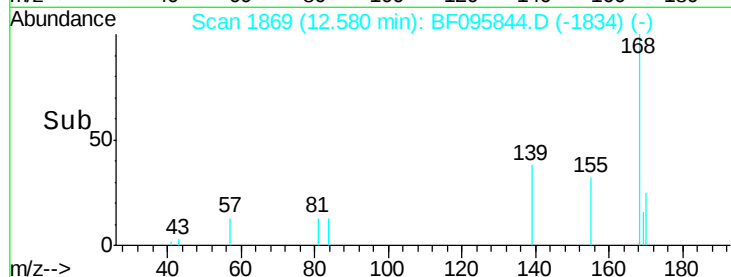
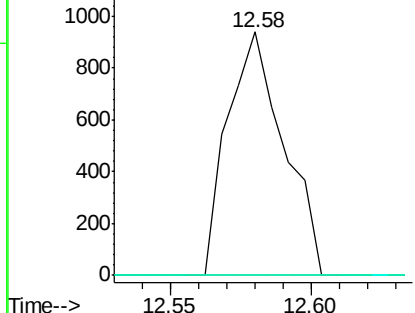
#55
4-Nitrophenol
Concen: 5.63 ng
RT: 12.58 min Scan# 1869
Delta R.T. -0.09 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

Instrument :
BNA_F
ClientSampleId :
S-11

Tgt Ion:139 Resp: 1294
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

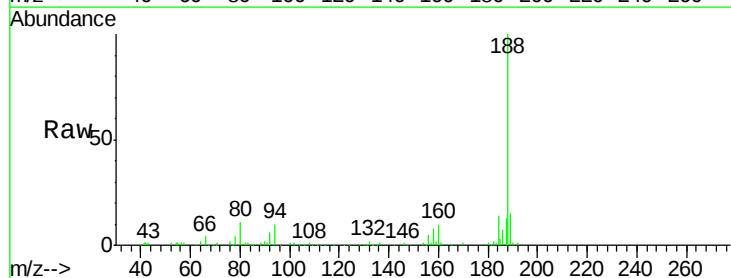


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

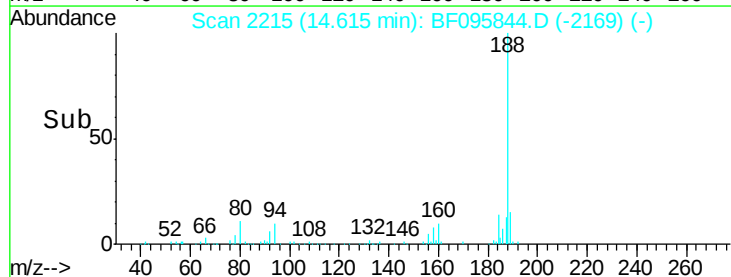
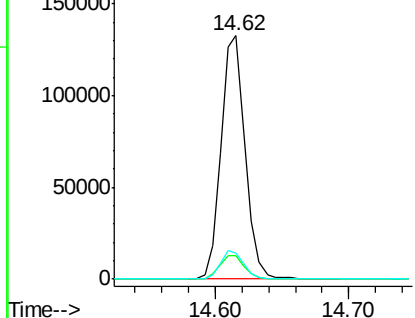


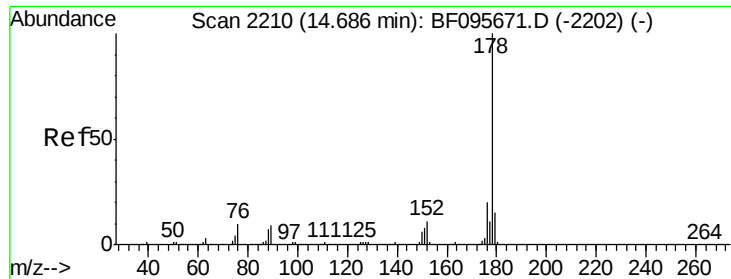
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

Tgt Ion:188 Resp: 168420
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 10.8 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: 9.63 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.04 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

Instrument :

BNA_F

ClientSampled :

S-11

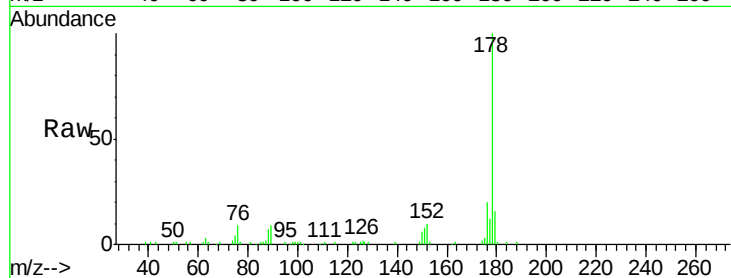
Tgt Ion:178 Resp: 93561

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

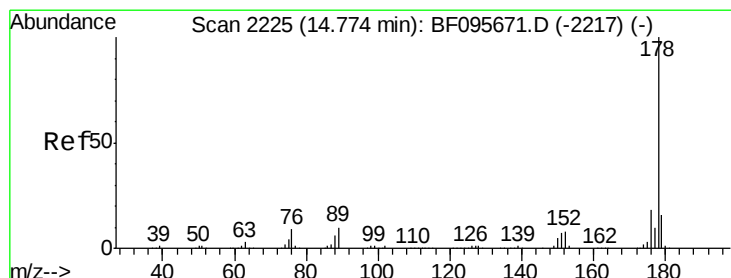
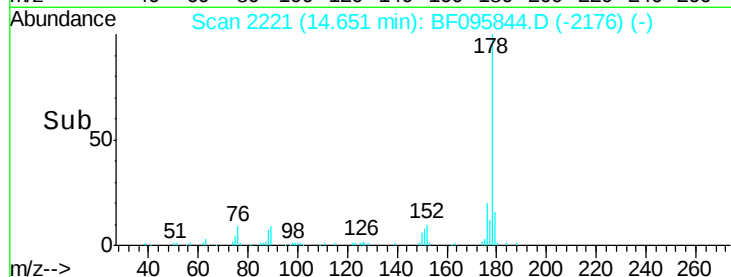
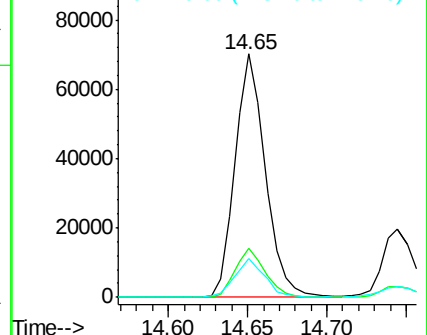
179 15.9 12.6 19.0



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: 9.22 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.12 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

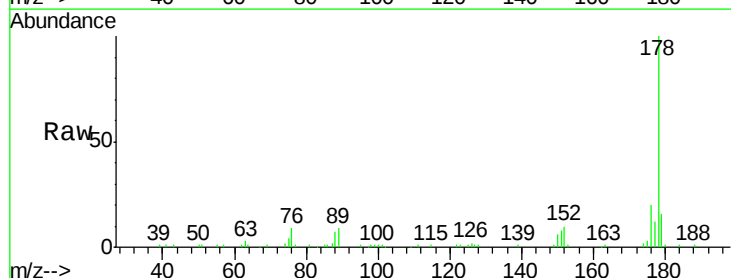
Tgt Ion:178 Resp: 93561

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

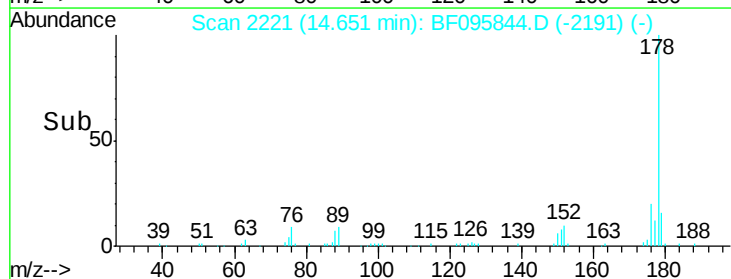
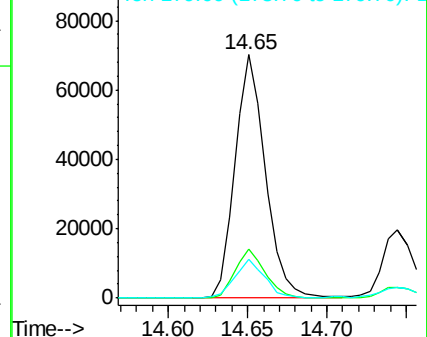
179 15.9 12.7 19.1

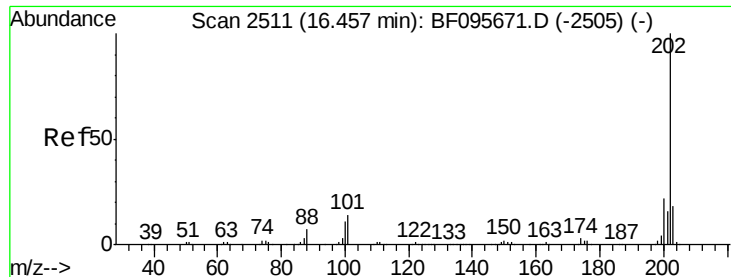


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

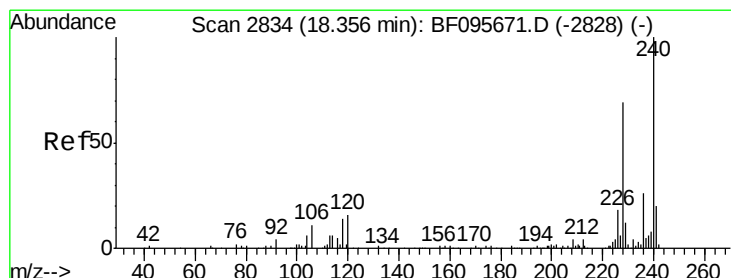
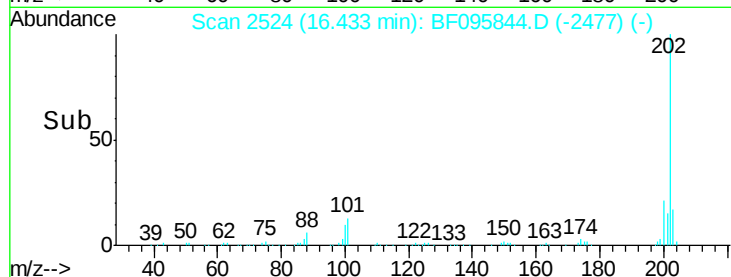
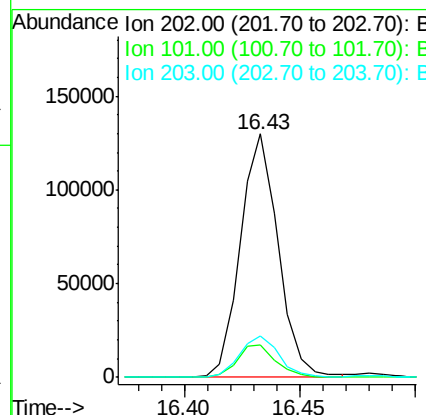
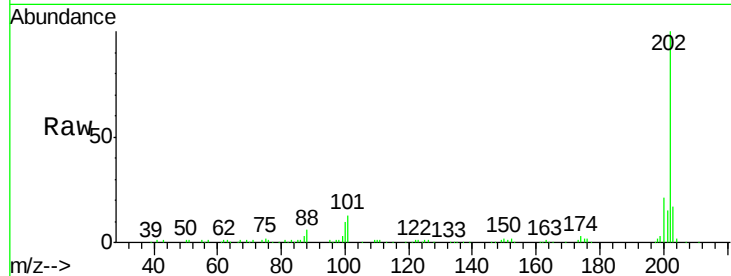




#74
 Fluoranthene
 Concen: 15.49 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095844.D
 Acq: 10 Jun 2017 3:24

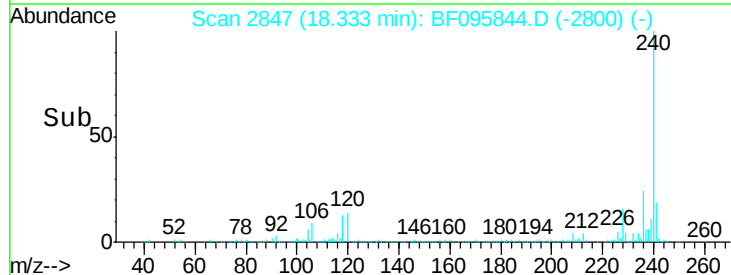
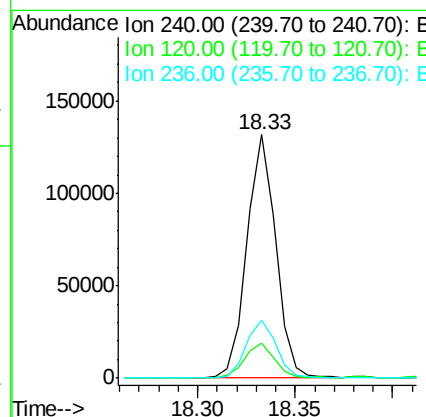
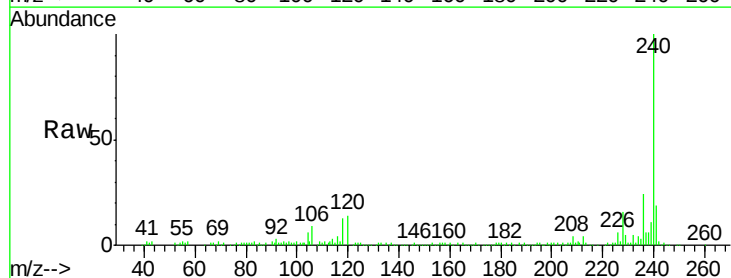
Instrument :
 BNA_F
 ClientSampleId :
 S-11

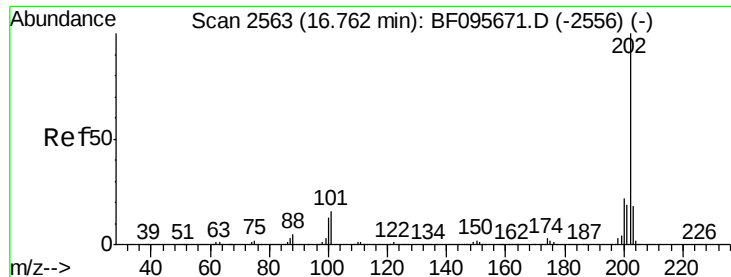
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	148993		
101	13.2		0.0	33.2
203	17.0		0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095844.D
 Acq: 10 Jun 2017 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	135711		
120	14.1		5.8	8.8#
236	23.9		20.5	30.7





#77

Pyrene

Concen: 16.07 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

Instrument :

BNA_F

ClientSampleId :

S-11

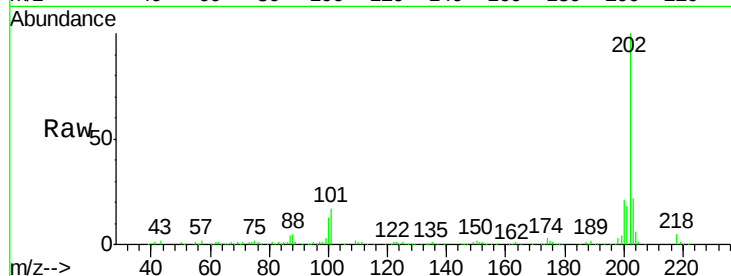
Tgt Ion: 202 Resp: 162743

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

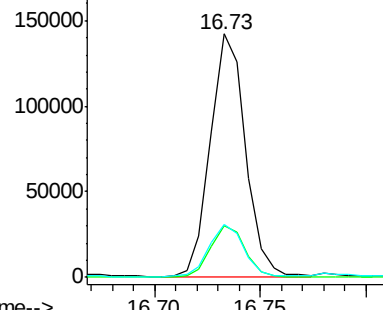
203 21.9 14.4 21.6#



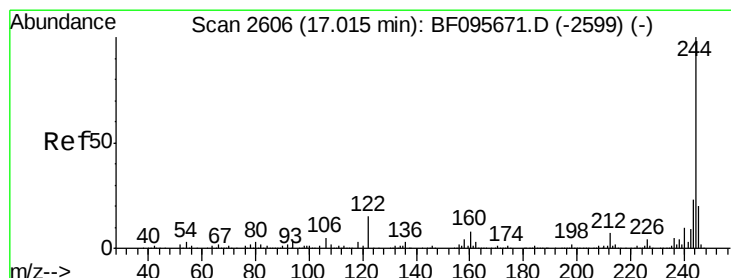
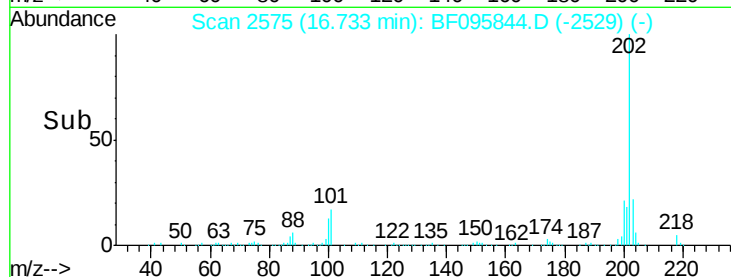
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 52.82 ng

RT: 16.99 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

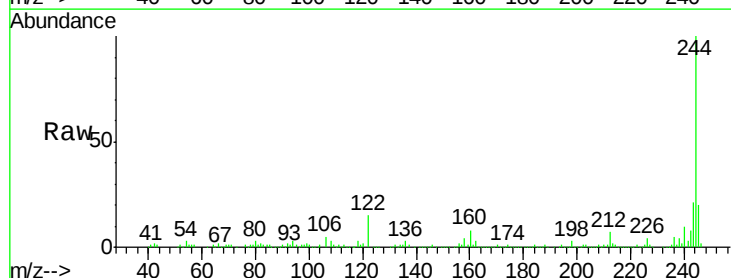
Tgt Ion: 244 Resp: 288836

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

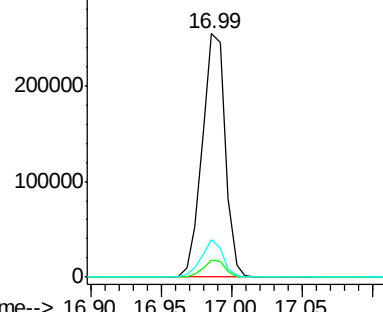
122 15.2 10.3 15.5



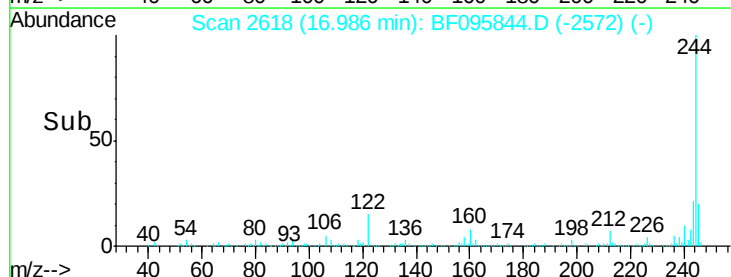
Abundance Ion 244.00 (243.70 to 244.70): E

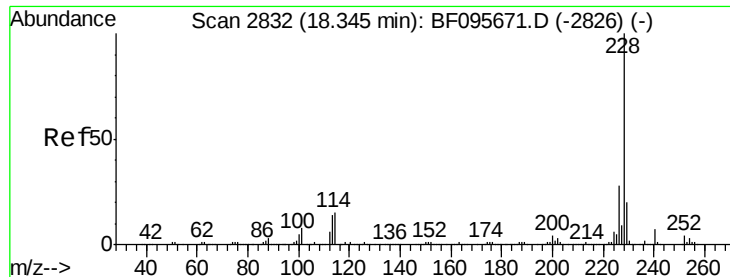
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 10.02 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

Instrument :

BNA_F

ClientSampled :

S-11

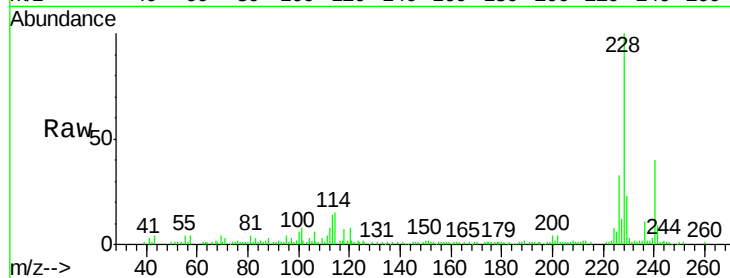
Tgt Ion:228 Resp: 79062

Ion Ratio Lower Upper

228 100

226 32.8 22.6 33.8

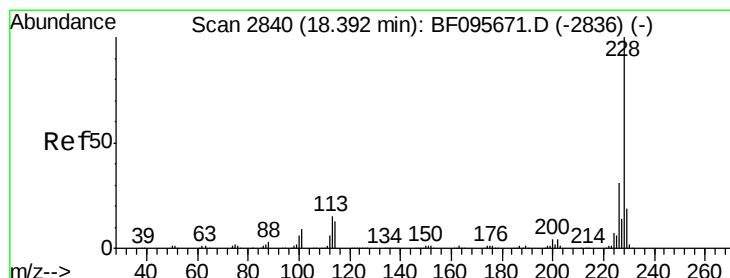
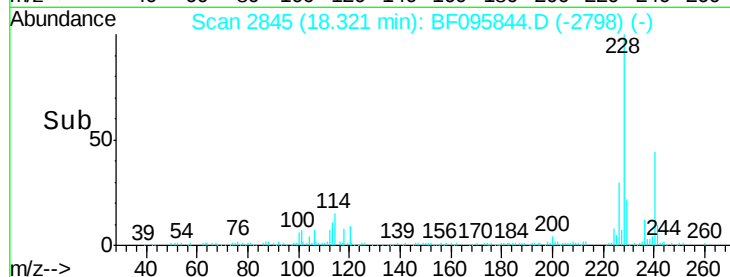
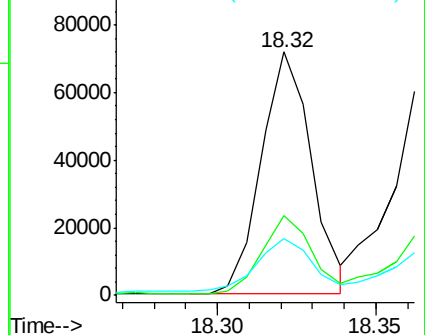
229 23.3 16.3 24.5



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: 10.66 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

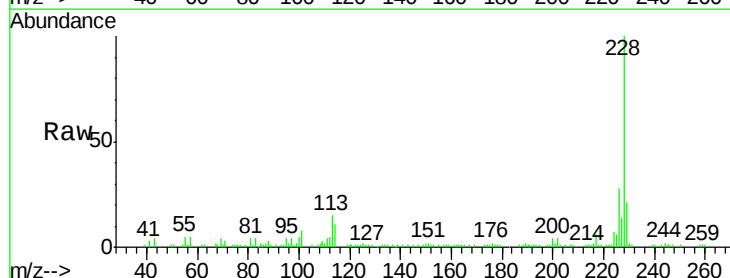
Tgt Ion:228 Resp: 84042

Ion Ratio Lower Upper

228 100

226 28.3 24.9 37.3

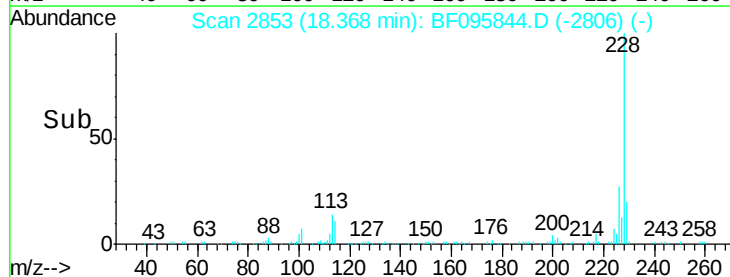
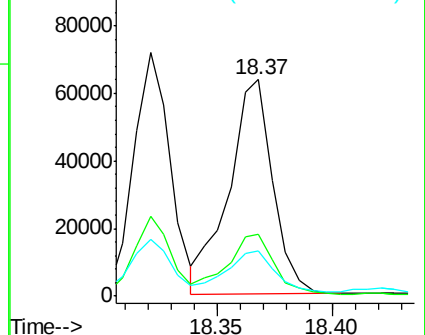
229 20.9 15.8 23.6

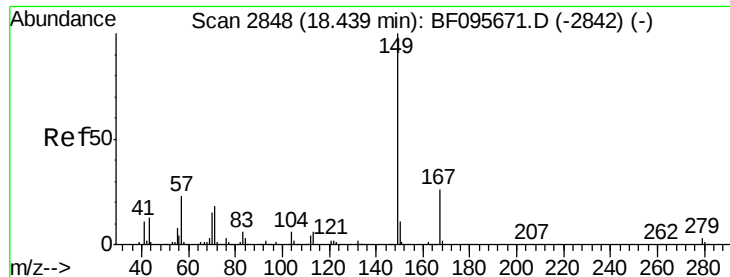


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

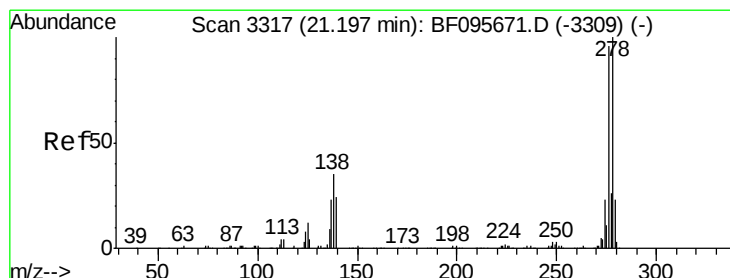
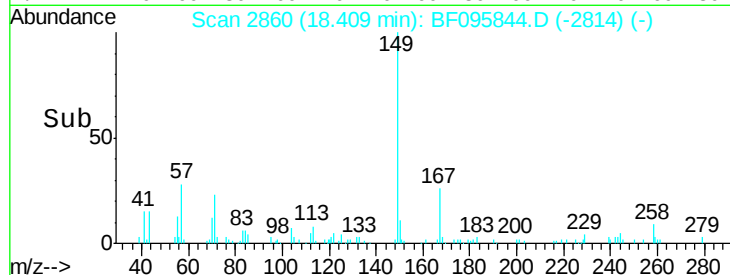
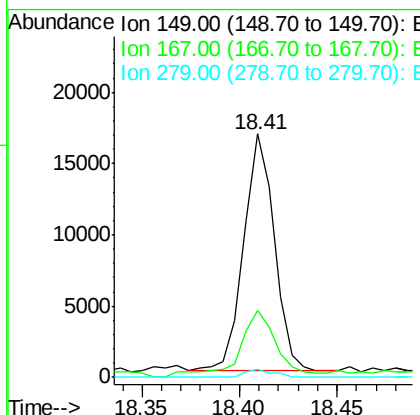
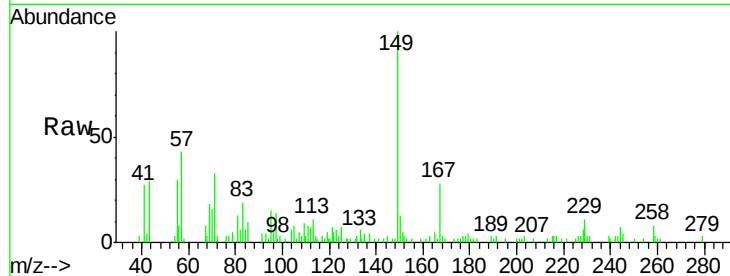




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.90 ng
 RT: 18.41 min Scan# 2860
 Delta R.T. -0.03 min
 Lab File: BF095844.D
 Acq: 10 Jun 2017 3:24

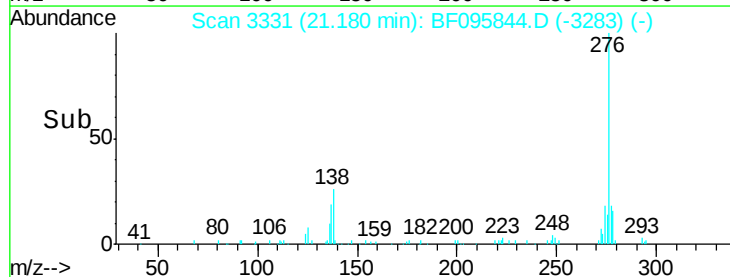
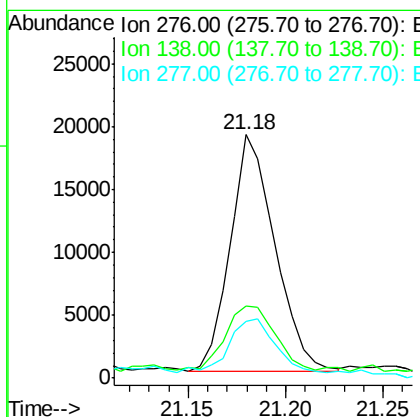
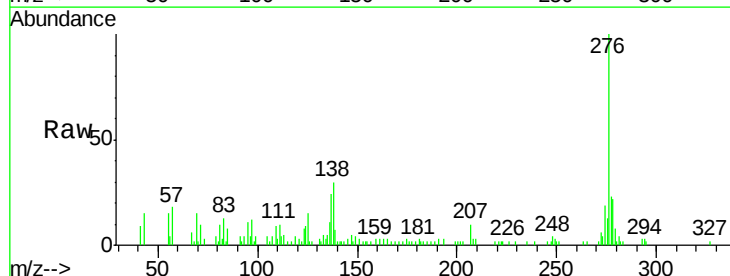
Instrument :
 BNA_F
 ClientSampleId :
 S-11

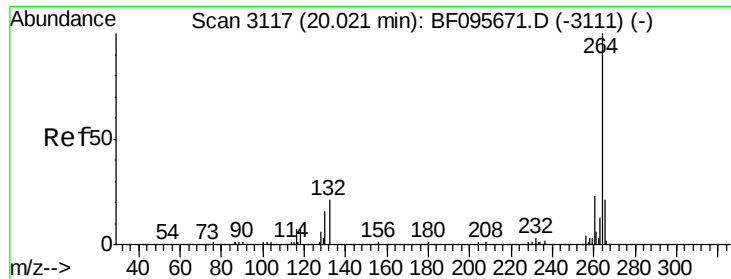
Tgt Ion:149 Resp: 18107
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.0 31.4
 279 3.2 1.9 2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.43 ng
 RT: 21.18 min Scan# 3331
 Delta R.T. -0.02 min
 Lab File: BF095844.D
 Acq: 10 Jun 2017 3:24

Tgt Ion:276 Resp: 29868
 Ion Ratio Lower Upper
 276 100
 138 34.2 27.8 41.6
 277 23.7 20.2 30.4

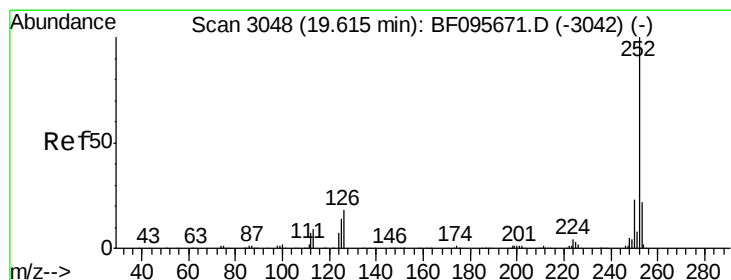
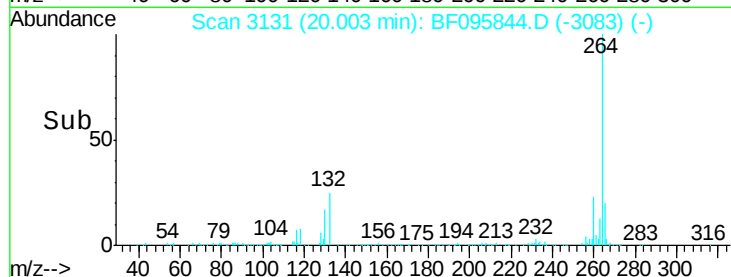
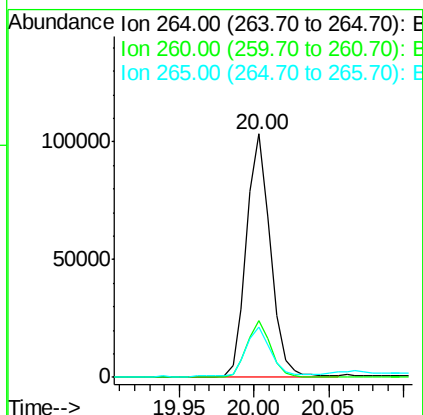
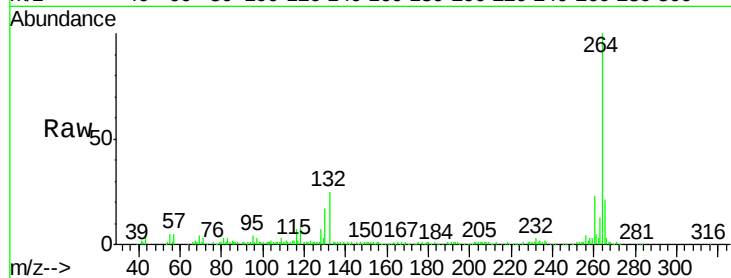




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

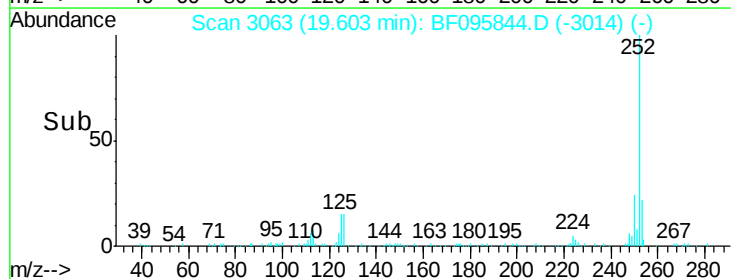
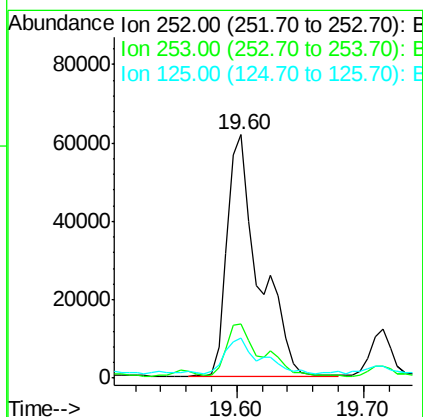
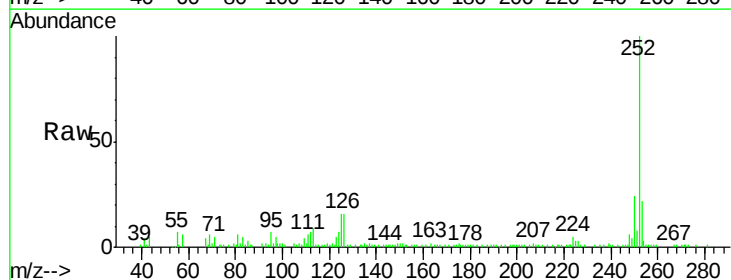
Instrument :
BNA_F
ClientSampleId :
S-11

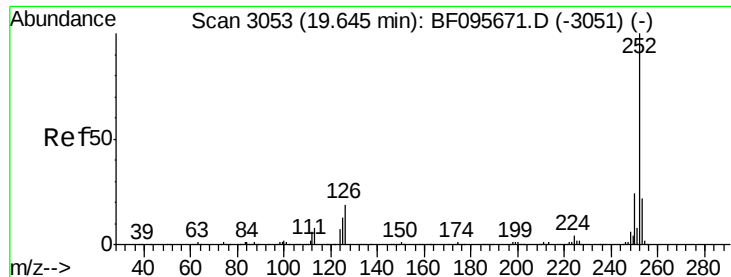
Tgt Ion: 264 Resp: 115370
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 20.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 14.81 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

Tgt Ion: 252 Resp: 106965
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 16.3 9.8 14.8#

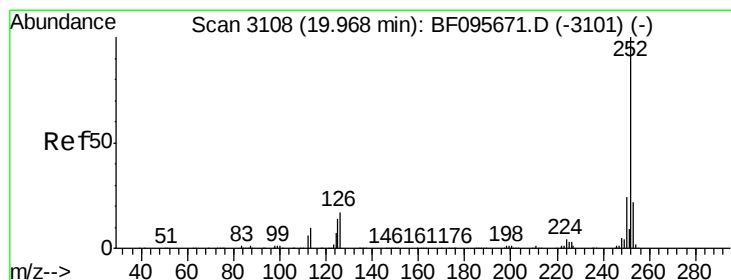
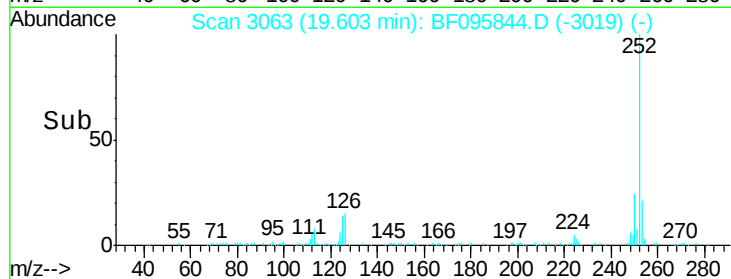
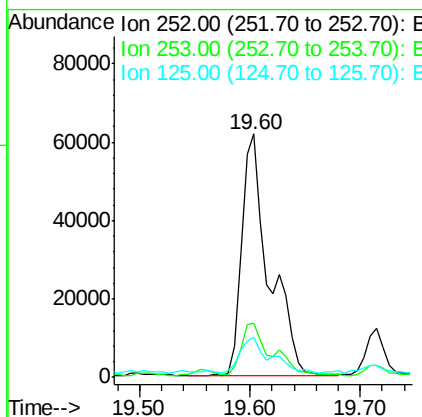
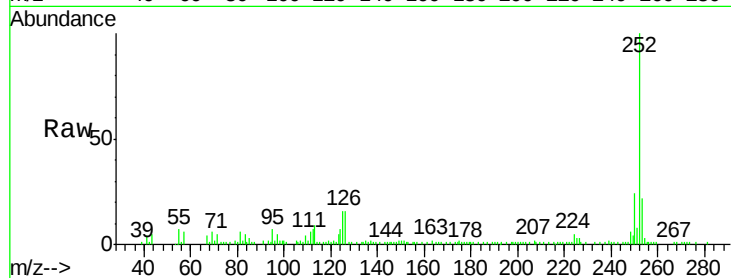




#88
Benzo(k)fluoranthene
Concen: 15.63 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

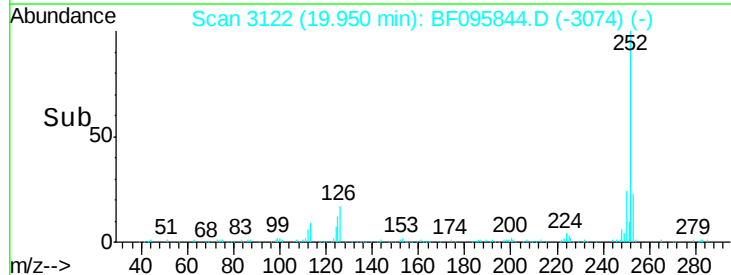
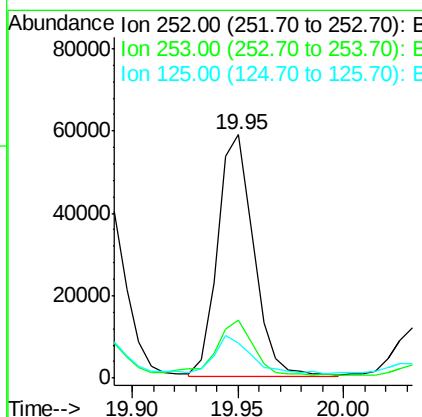
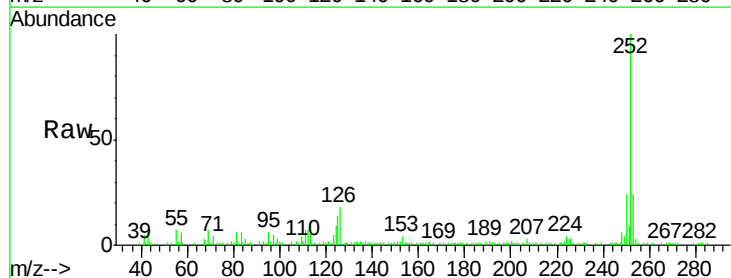
Instrument :
BNA_F
ClientSampleId :
S-11

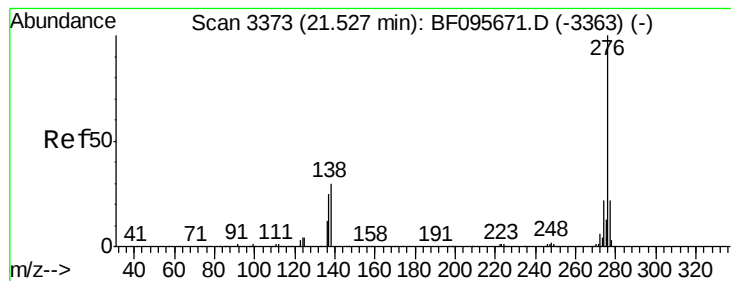
Tgt Ion:	252	Resp:	107901
Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	16.3	13.1	19.7



#89
Benzo(a)pyrene
Concen: 10.44 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095844.D
Acq: 10 Jun 2017 3:24

Tgt Ion:	252	Resp:	69352
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.3	11.0	16.4





#91

Benzo(g,h,i)perylene

Concen: 5.81 ng

RT: 21.52 min Scan# 3389

Delta R.T. -0.01 min

Lab File: BF095844.D

Acq: 10 Jun 2017 3:24

Instrument :

BNA_F

ClientSampleId :

S-11

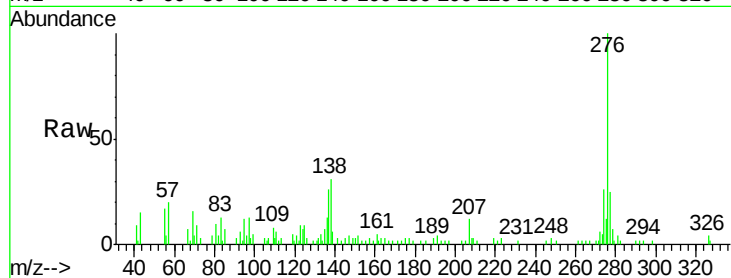
Tgt Ion: 276 Resp: 33357

Ion Ratio Lower Upper

276 100

277 24.9 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

