

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095936.D
 Acq On : 14 Jun 2017 22:29
 Operator : SJ/MA
 Sample : I3660-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 15 01:09:21 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

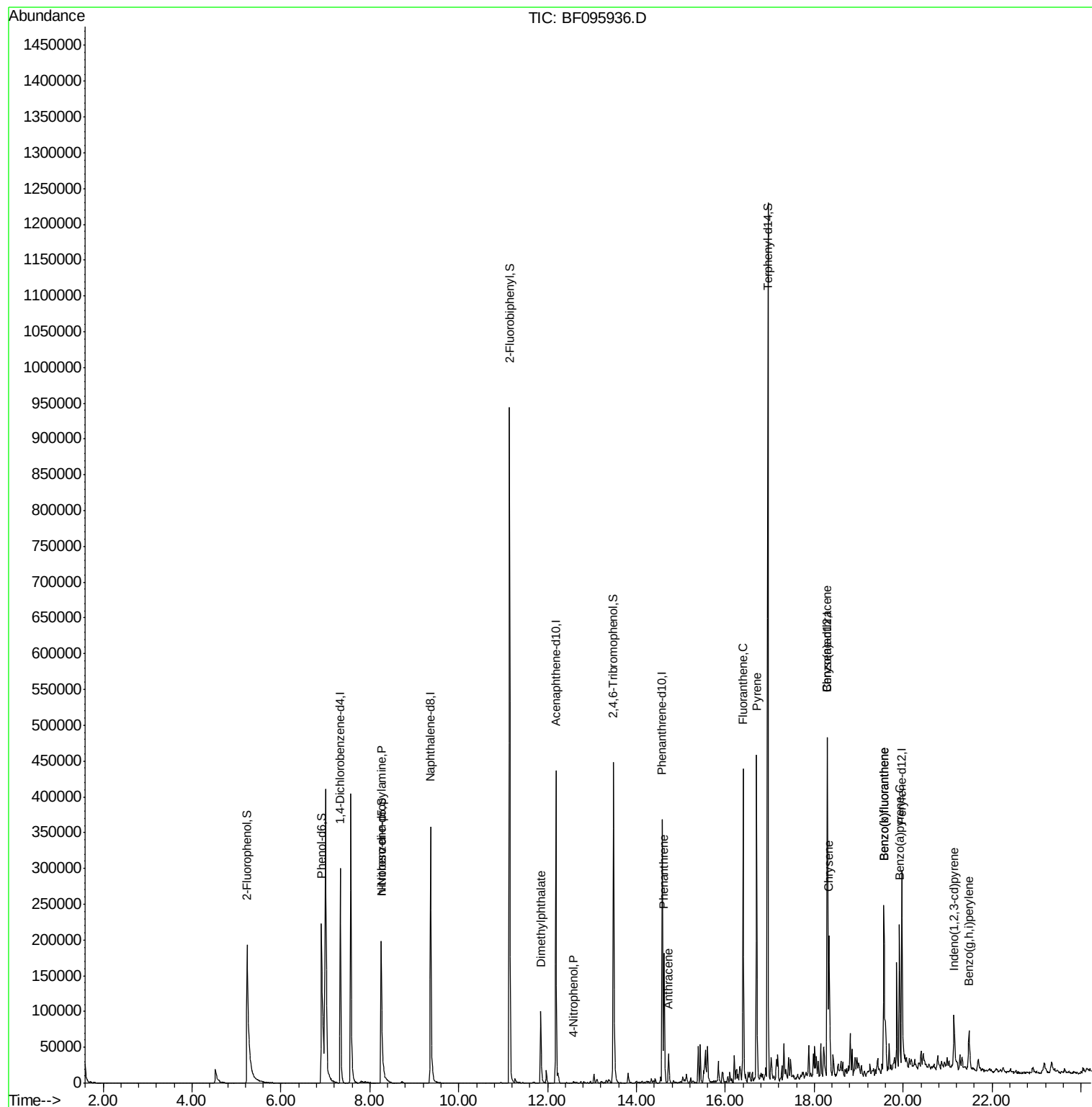
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	72782	20.00	ng	-0.06
21) Naphthalene-d8	9.37	136	297421	20.00	ng	-0.06
38) Acenaphthene-d10	12.19	164	124397	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	186507	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	146370	20.00	ng	-0.06
86) Perylene-d12	19.97	264	118161	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	206169	45.14	ng	-0.05
7) Phenol-d6	6.91	99	260378	47.62	ng	-0.05
23) Nitrobenzene-d5	8.26	82	156815	32.74	ng	-0.06
41) 2,4,6-Tribromophenol	13.48	330	87963	79.92	ng	-0.07
44) 2-Fluorobiphenyl	11.15	172	428146	47.89	ng	-0.07
78) Terphenyl-d14	16.96	244	460132	78.02	ng	-0.06
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.26	70	18634	5.38	ng	# 67
49) Dimethylphthalate	11.84	163	74059	7.84	ng	100
55) 4-Nitrophenol	12.58	139	419	4.91	ng	# 25
70) Phenanthrene	14.62	178	121715	11.31	ng	96
71) Anthracene	14.72	178	31305	2.79	ng	93
74) Fluoranthene	16.40	202	224210	21.05	ng	100
77) Pyrene	16.70	202	219014	20.05	ng	97
80) Benzo(a)anthracene	18.29	228	117377	13.79	ng	98
82) Chrysene	18.33	228	109037	12.82	ng	97
85) Indeno(1,2,3-cd)pyrene	21.14	276	46433	6.38	ng	94
87) Benzo(b)fluoranthene	19.57	252	167071	22.58	ng	# 97
88) Benzo(k)fluoranthene	19.57	252	167071	23.62	ng	99
89) Benzo(a)pyrene	19.92	252	87037	12.80	ng	96
91) Benzo(a,h,i)perylene	21.48	276	42896	7.29	ng	96

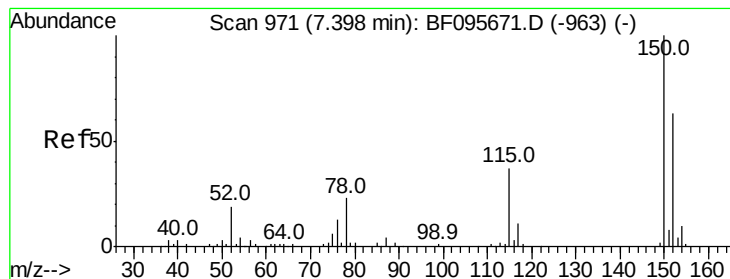
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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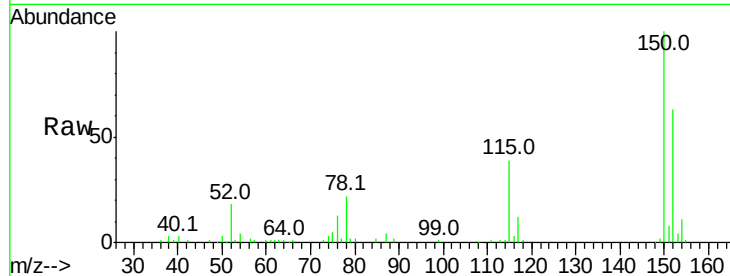


#1

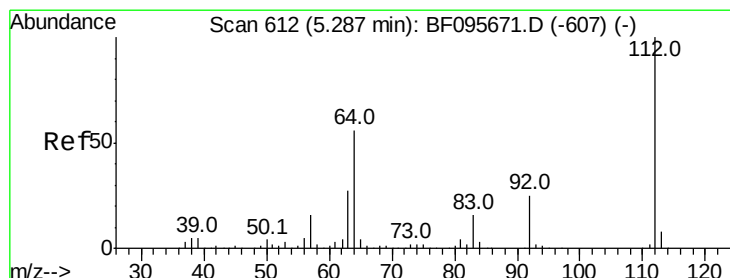
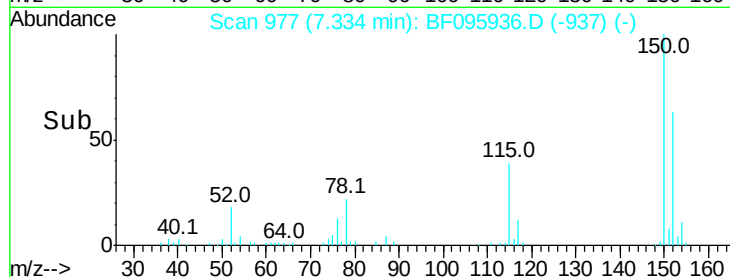
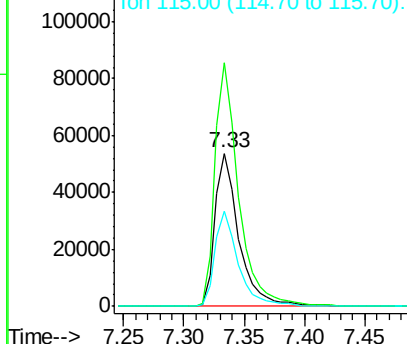
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72782
Ion Ratio Lower Upper
152 100
150 159.1 126.2 189.2
115 61.9 52.2 78.2



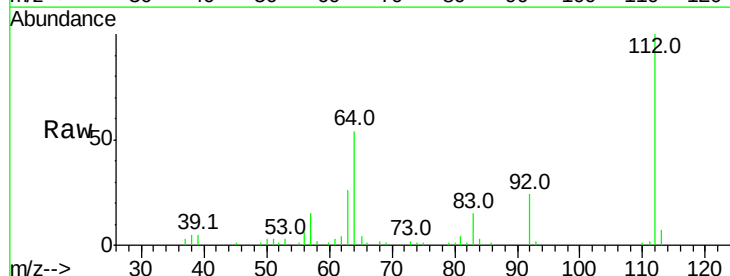
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



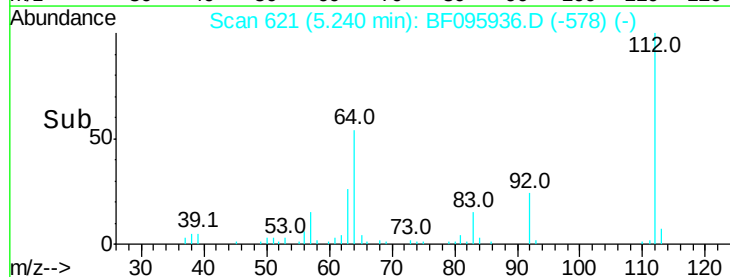
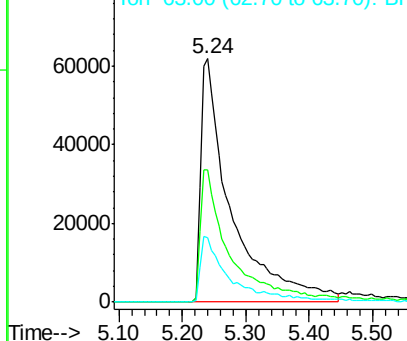
#5

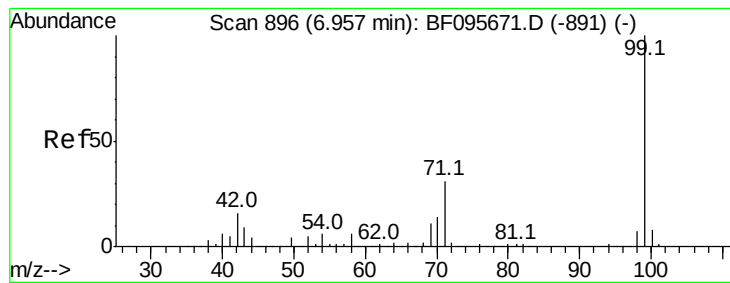
2-Fluorophenol
Concen: 45.14 ng
RT: 5.24 min Scan# 621
Delta R.T. -0.05 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion:112 Resp: 206169
Ion Ratio Lower Upper
112 100
64 54.2 46.0 69.0
63 26.4 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: 47.62 ng

RT: 6.91 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Instrument :

BNA_F

ClientSampled :

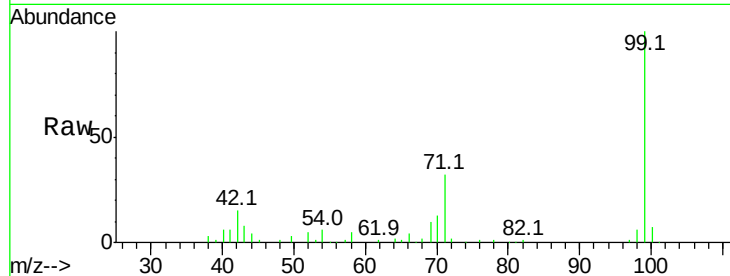
Tot Ion: 99 Resp: 260378

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

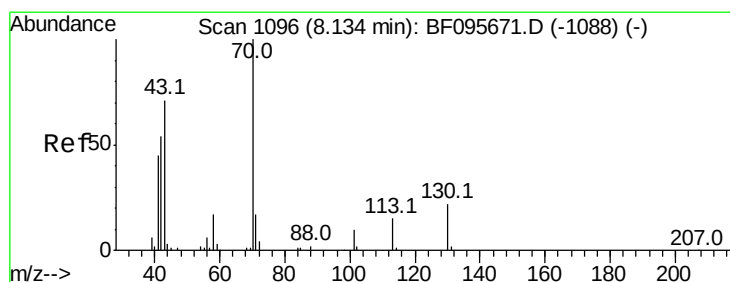
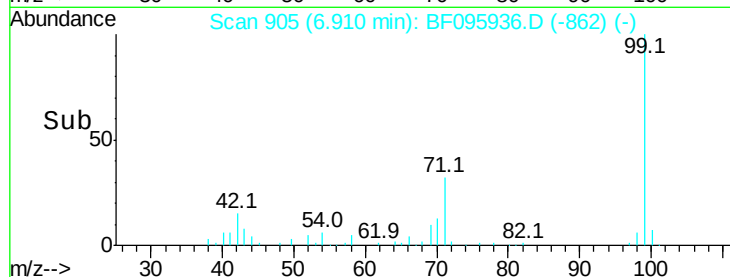
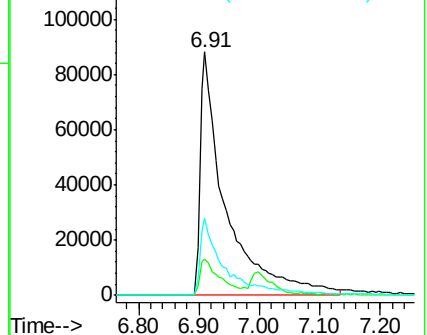
71 31.6 24.5 36.7



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: 5.38 ng

RT: 8.26 min Scan# 1134

Delta R.T. 0.12 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Tgt Ion: 70 Resp: 18634

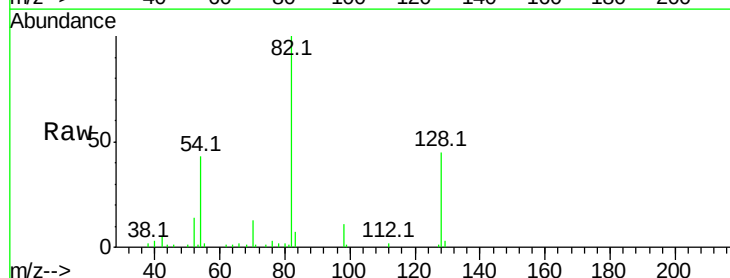
Ion Ratio Lower Upper

70 100

42 36.3 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

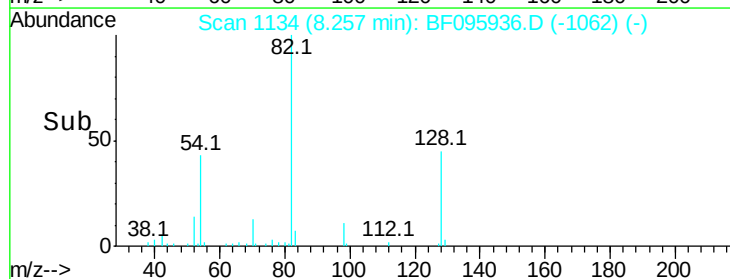
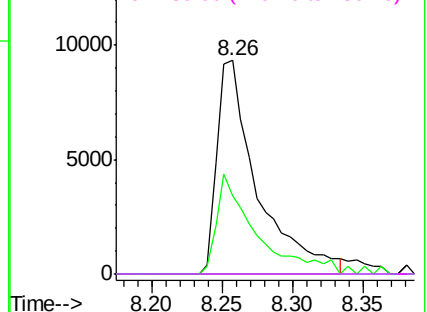


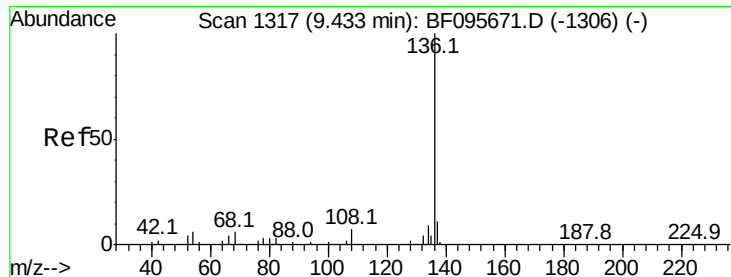
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.37 min Scan# 1323

Delta R.T. -0.06 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 297421

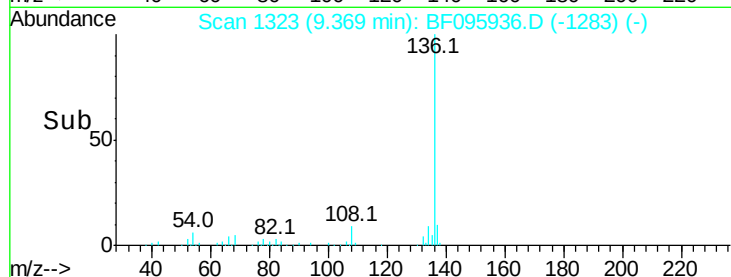
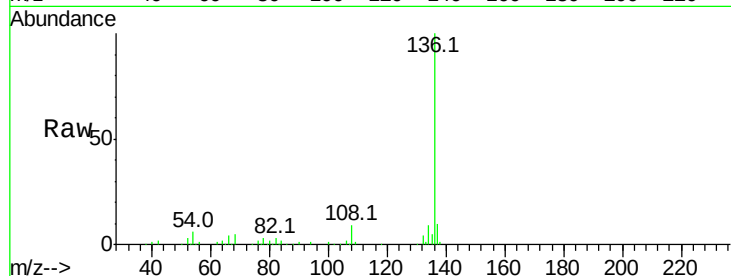
Ion Ratio Lower Upper

136 100

137 10.1 8.5 12.7

54 6.4 4.9 7.3

68 5.1 4.1 6.1

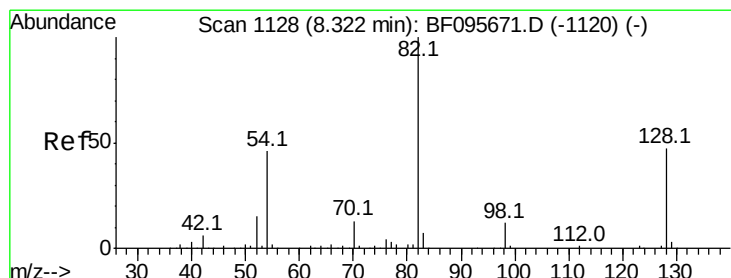
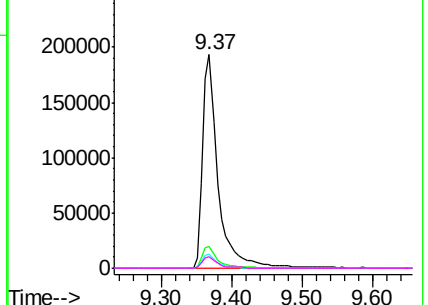


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.74 ng

RT: 8.26 min Scan# 1134

Delta R.T. -0.06 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

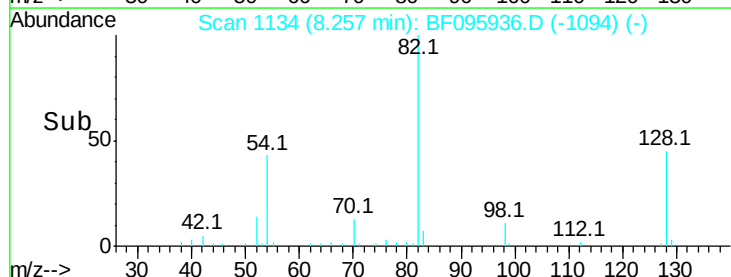
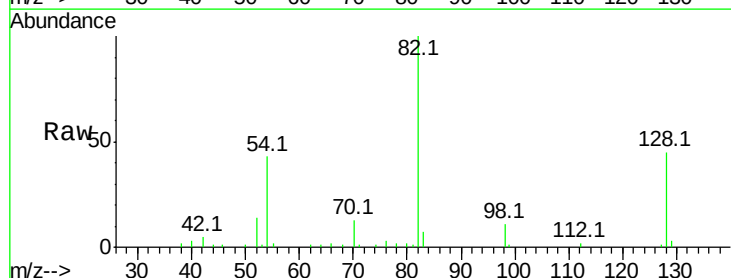
Tgt Ion: 82 Resp: 156815

Ion Ratio Lower Upper

82 100

128 45.4 34.0 51.0

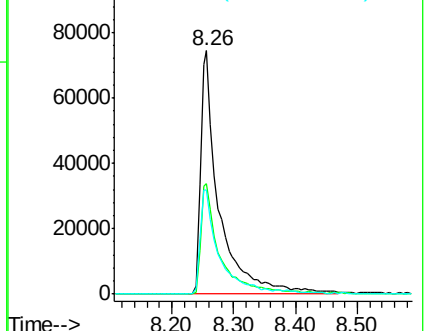
54 42.8 42.2 63.2

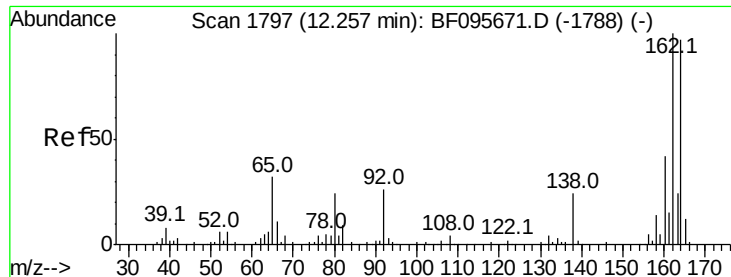


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

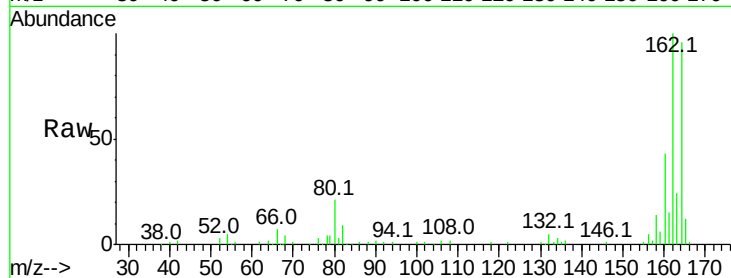




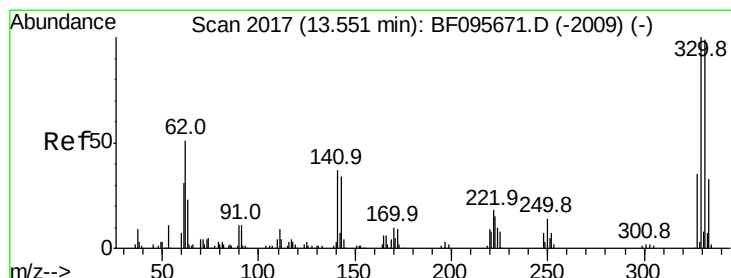
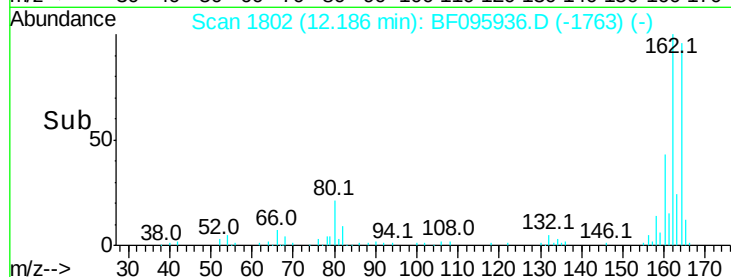
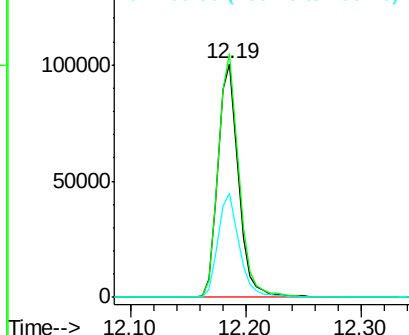
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.19 min Scan# 1802
Delta R.T. -0.07 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 124397
Ion Ratio Lower Upper
164 100
162 104.3 82.6 123.8
160 44.6 36.2 54.2

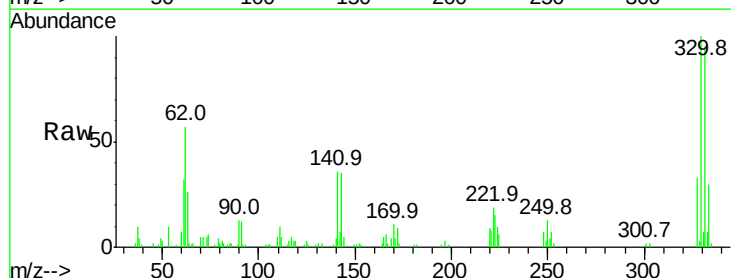


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

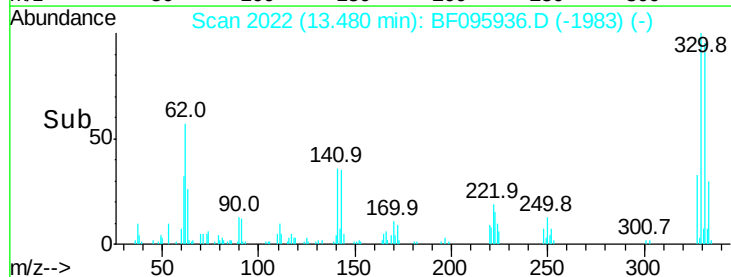
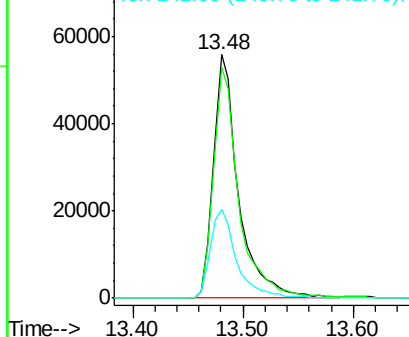


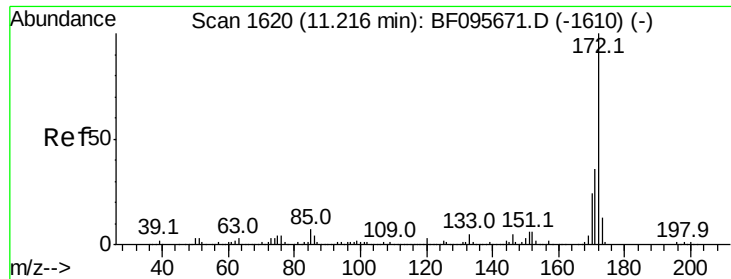
#41
2,4,6-Tribromophenol
Concen: 79.92 ng
RT: 13.48 min Scan# 2022
Delta R.T. -0.07 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion:330 Resp: 87963
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 37.5 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

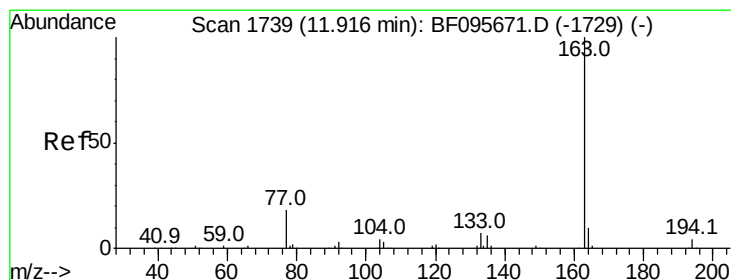
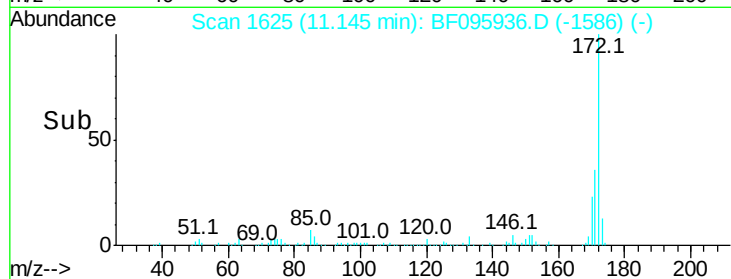
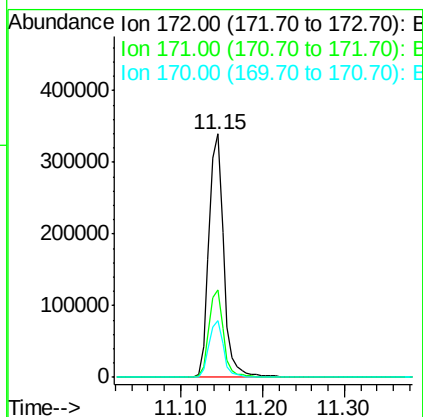
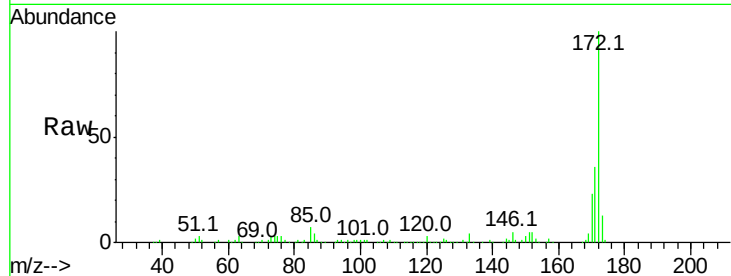




#44
2-Fluorobiphenyl
Concen: 47.89 ng
RT: 11.15 min Scan# 1625
Delta R.T. -0.07 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

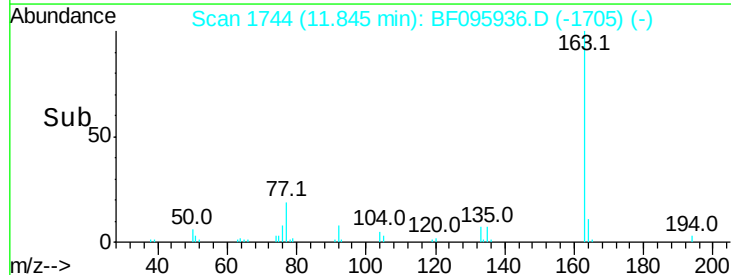
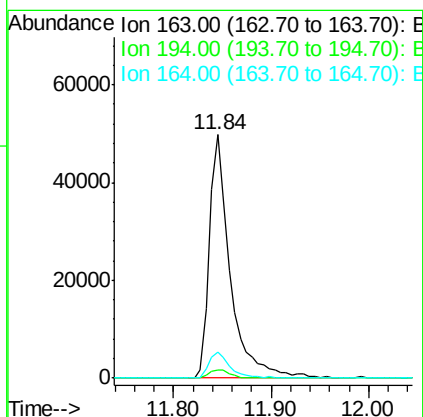
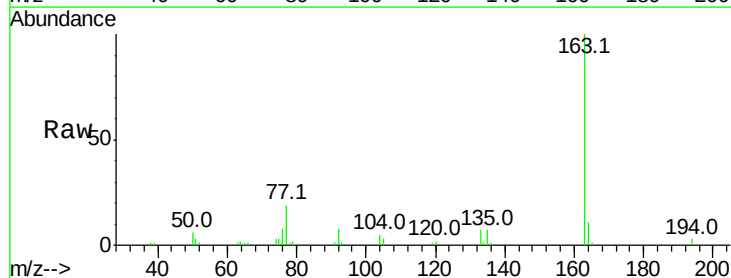
Instrument :
BNA_F
ClientSampleId :

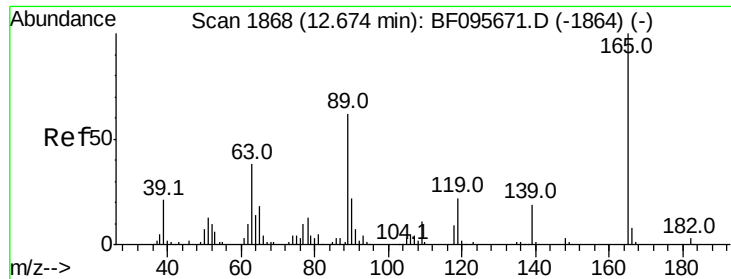
Tot Ion:172 Resp: 428146
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.4 19.8 29.8



#49
Dimethylphthalate
Concen: 7.84 ng
RT: 11.84 min Scan# 1744
Delta R.T. -0.07 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion:163 Resp: 74059
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.6 8.4 12.6

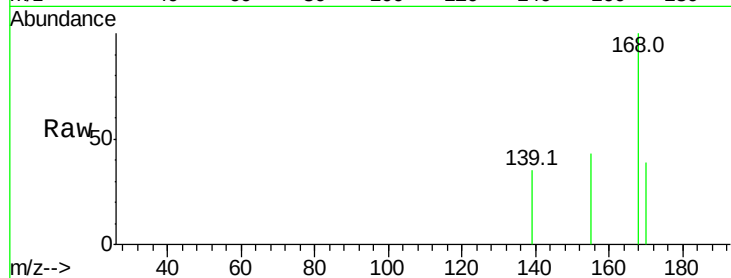




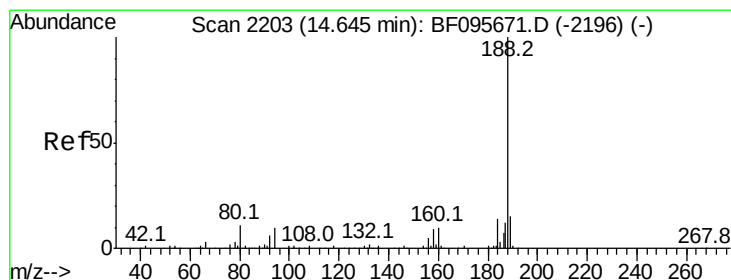
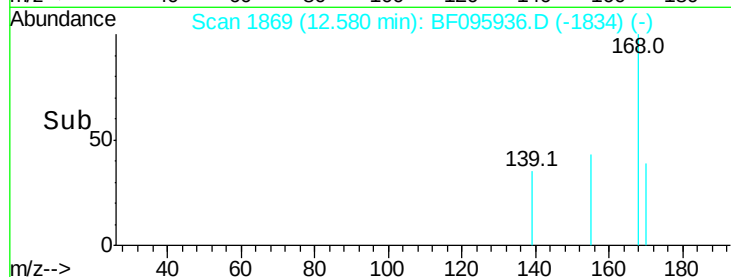
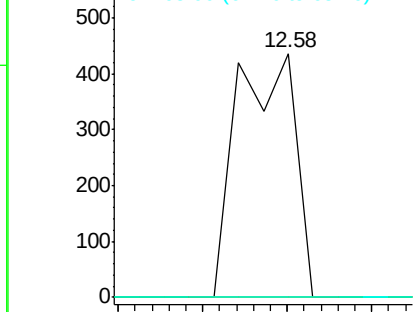
#55
4-Nitrophenol
Concen: 4.91 ng
RT: 12.58 min Scan# 1869
Delta R.T. -0.09 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 419
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

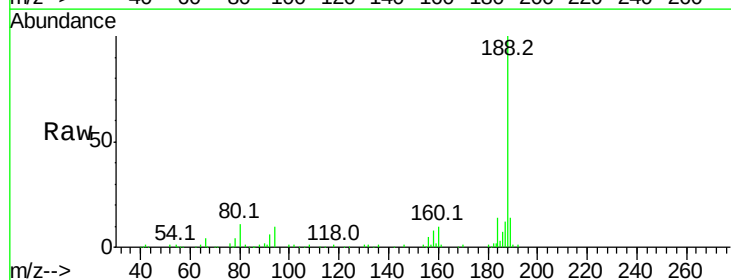


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

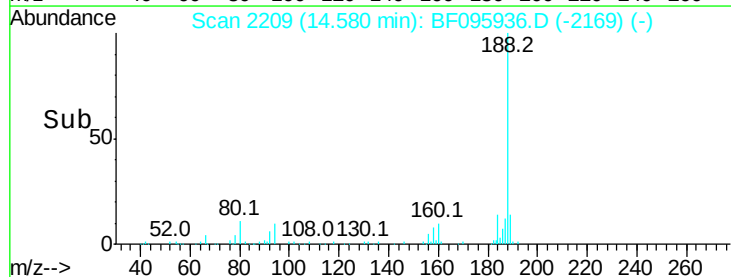
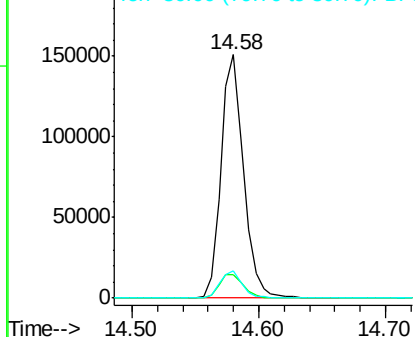


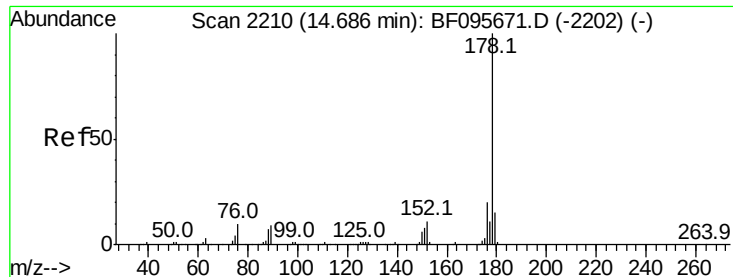
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion:188 Resp: 186507
Ion Ratio Lower Upper
188 100
94 9.6 9.4 14.2
80 11.0 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: 11.31 ng

RT: 14.62 min Scan# 2215

Delta R.T. -0.07 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Instrument :

BNA_F

ClientSampleId :

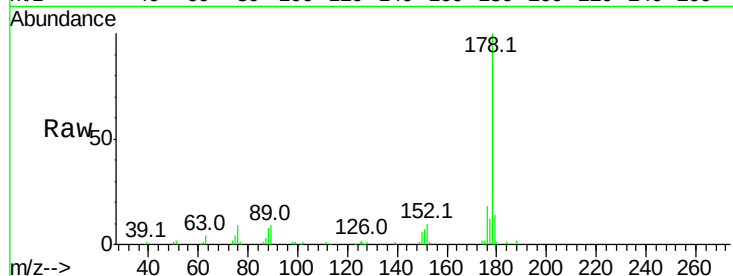
Tot Ion:178 Resp: 121715

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

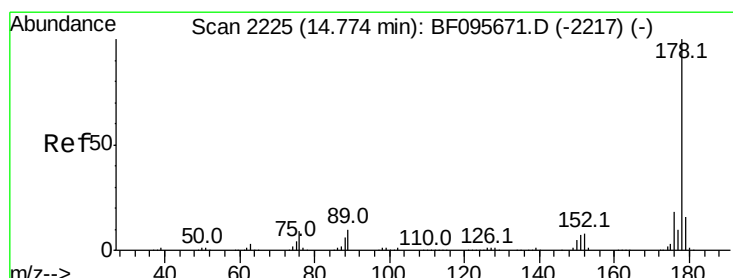
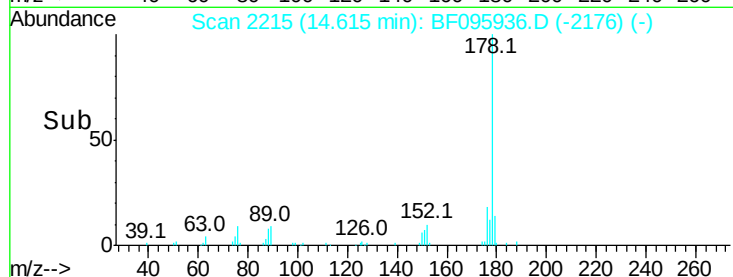
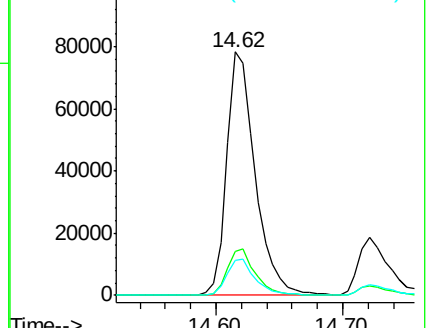
179 14.5 12.6 19.0



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: 2.79 ng

RT: 14.72 min Scan# 2233

Delta R.T. -0.05 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

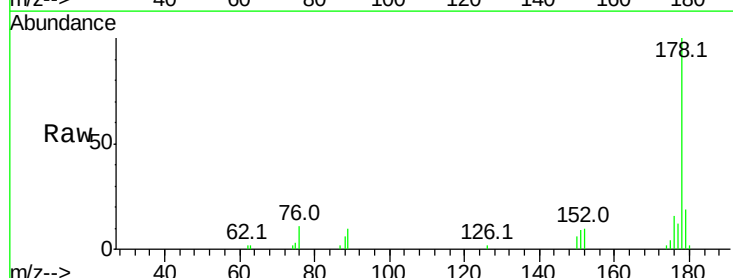
Tgt Ion:178 Resp: 31305

Ion Ratio Lower Upper

178 100

176 16.0 15.8 23.8

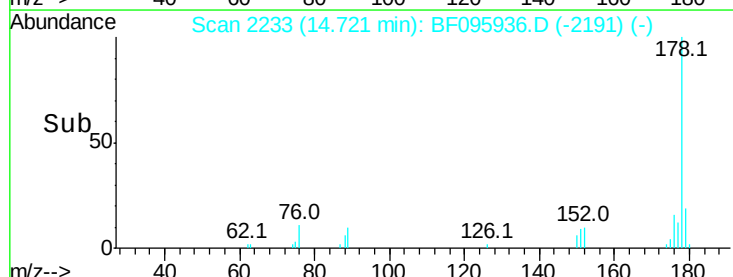
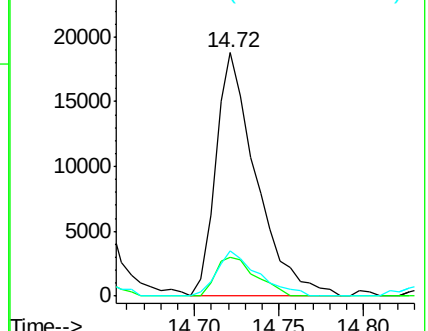
179 18.6 12.7 19.1

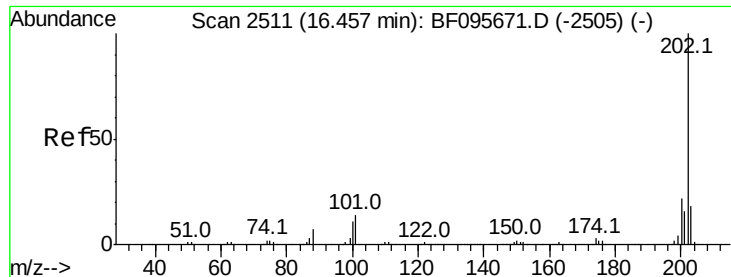


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

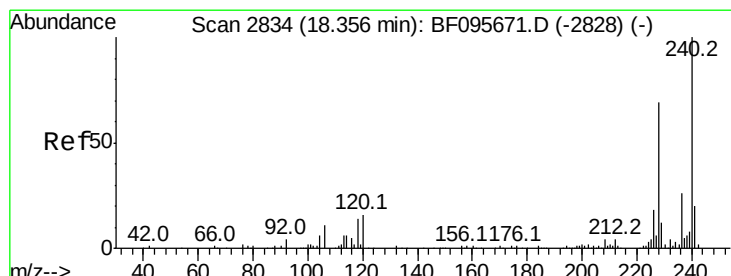
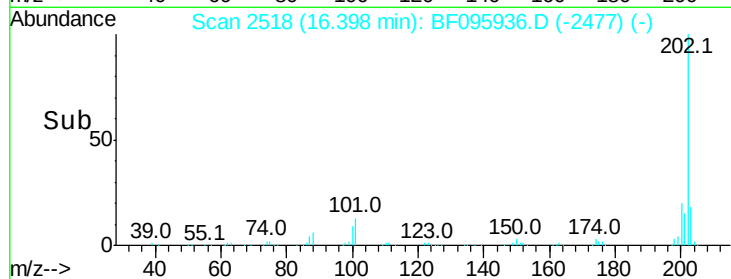
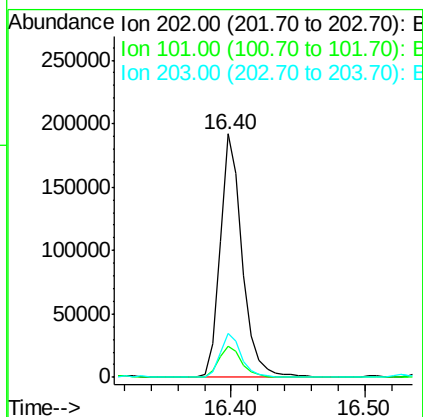
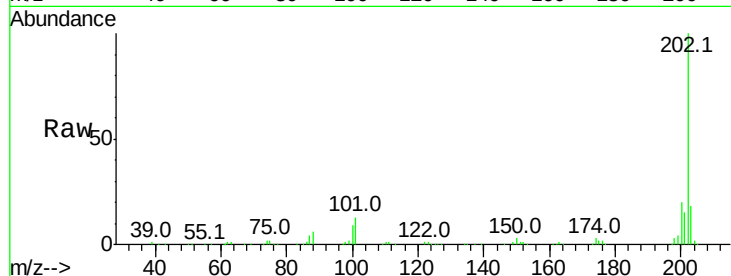




#74
 Fluoranthene
 Concen: 21.05 ng
 RT: 16.40 min Scan# 2518
 Delta R.T. -0.06 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

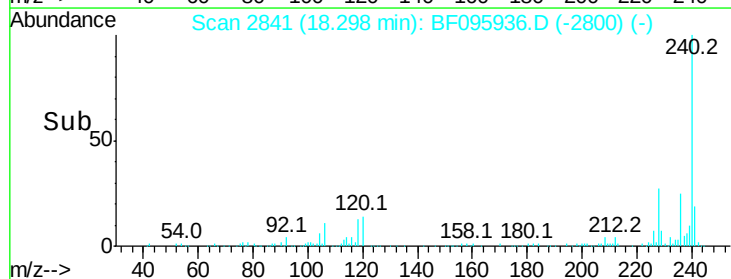
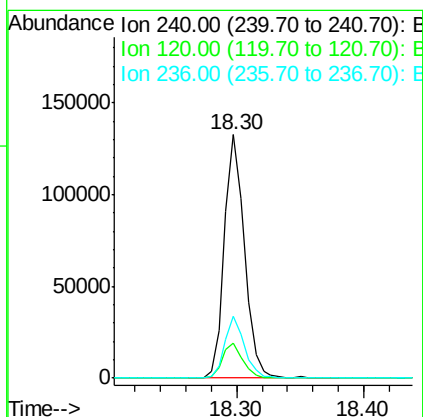
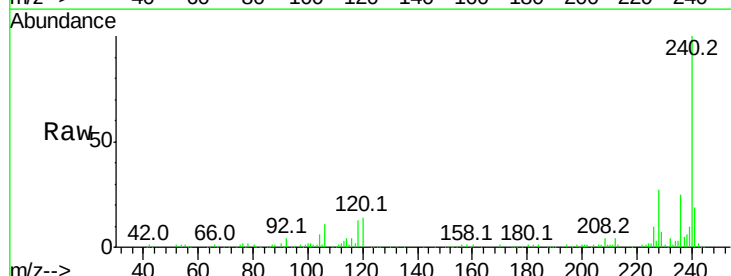
Instrument :
 BNA_F
 ClientSampled :

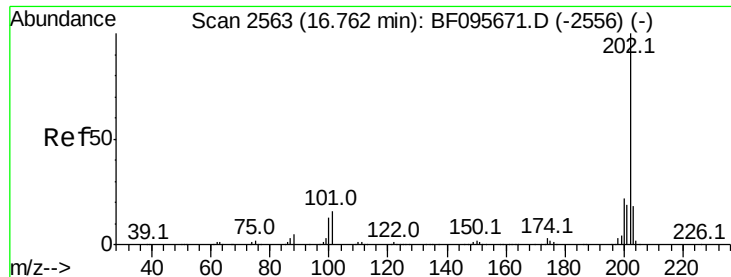
Tot Ion:202 Resp: 224210
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 33.2
 203 18.0 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.30 min Scan# 2841
 Delta R.T. -0.06 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Tgt Ion:240 Resp: 146370
 Ion Ratio Lower Upper
 240 100
 120 14.4 5.8 8.8#
 236 25.3 20.5 30.7

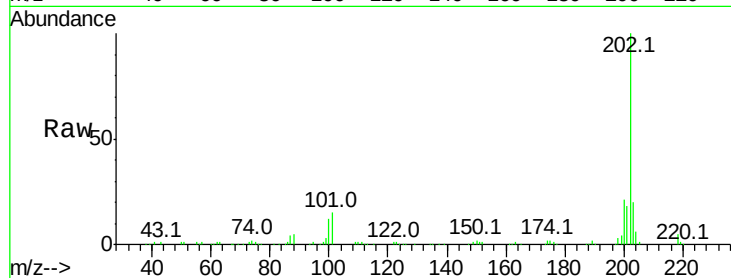




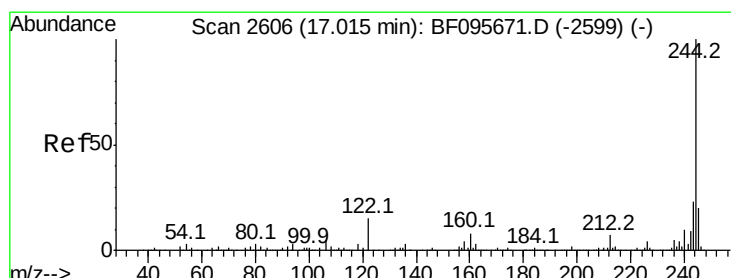
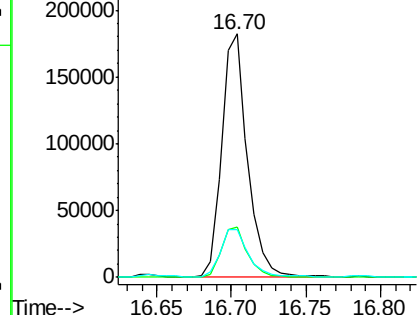
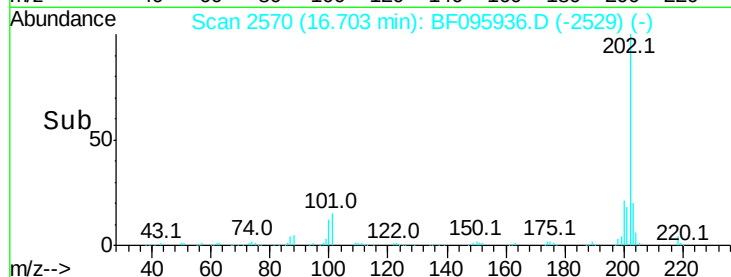
#77
Pvrene
Concen: 20.05 ng
RT: 16.70 min Scan# 2570
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	19.7	14.4	21.6

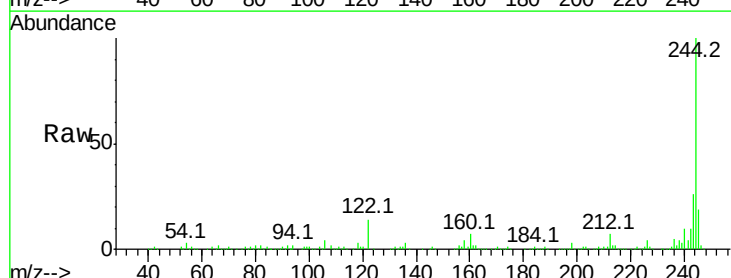


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

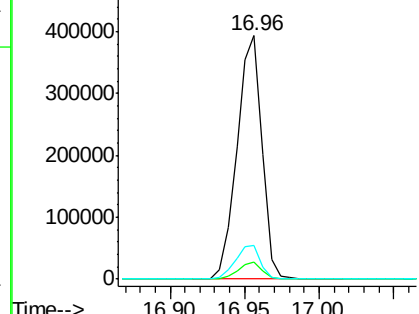
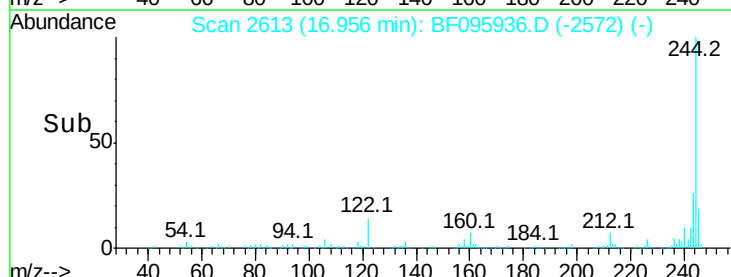


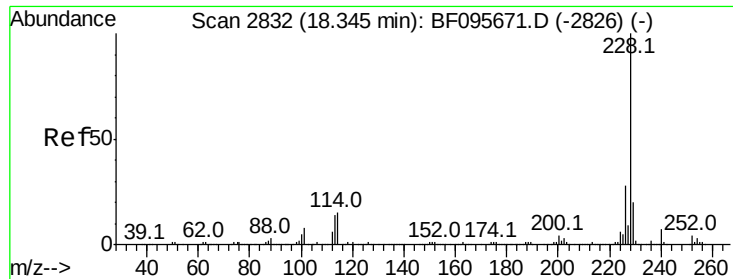
#78
Terphenyl-d14
Concen: 78.02 ng
RT: 16.96 min Scan# 2613
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.8	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

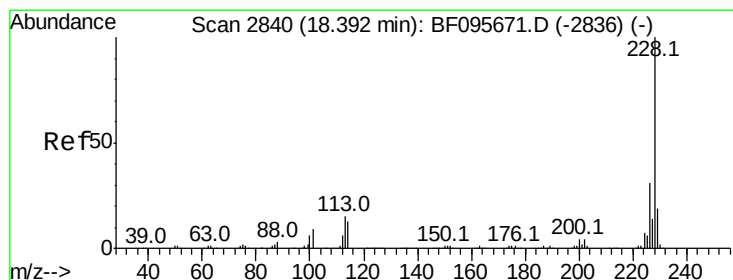
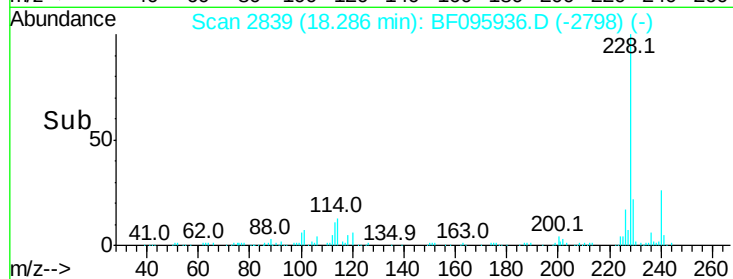
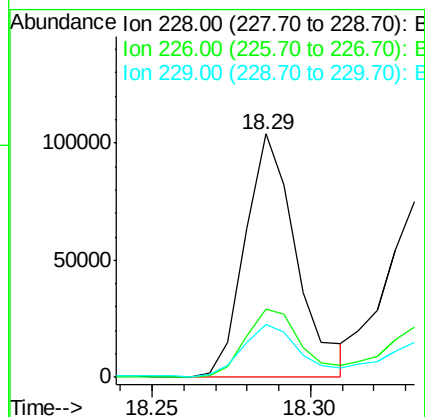
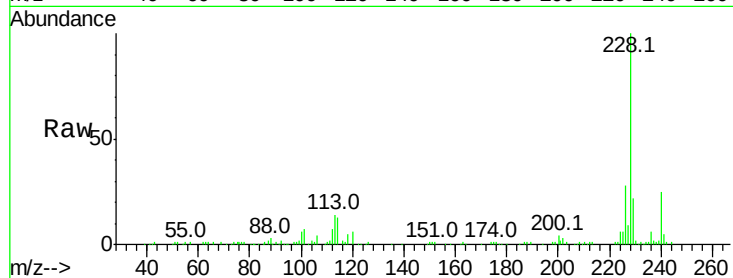




#80
Benzo(a)anthracene
Concen: 13.79 ng
RT: 18.29 min Scan# 2839
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

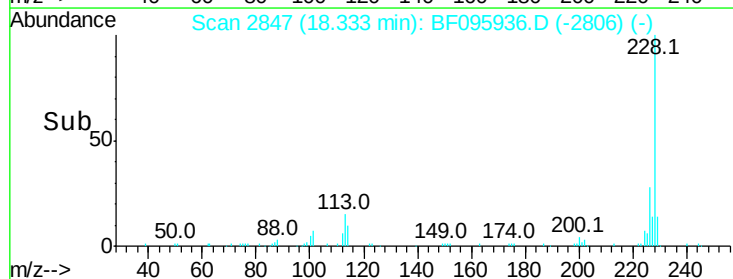
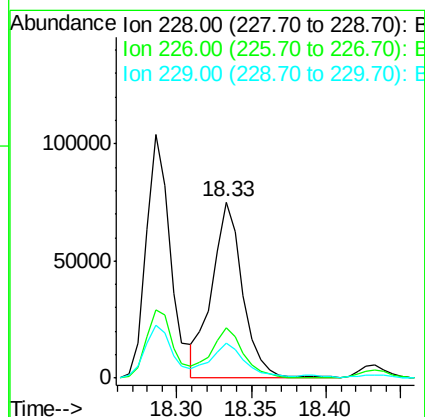
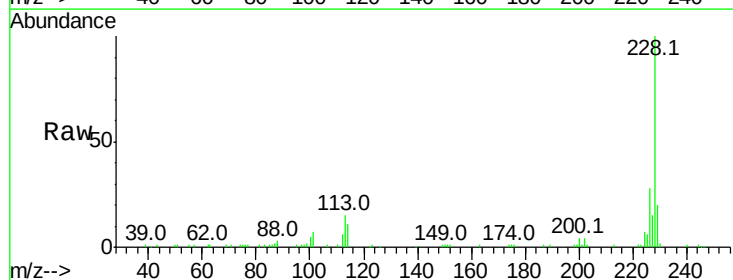
Instrument :
BNA_F
ClientSampleId :

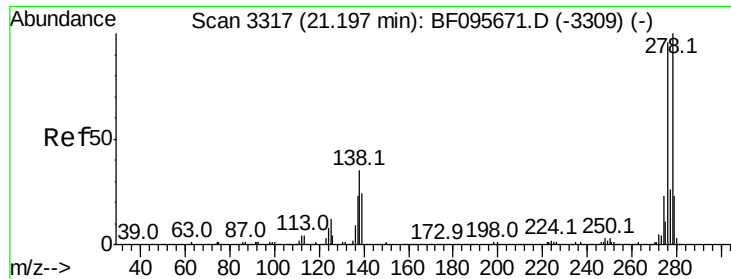
Tot Ion:228 Resp: 117377
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 21.9 16.3 24.5



#82
Chrysene
Concen: 12.82 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.06 min
Lab File: BF095936.D
Acq: 14 Jun 2017 22:29

Tgt Ion:228 Resp: 109037
Ion Ratio Lower Upper
228 100
226 28.4 24.9 37.3
229 19.6 15.8 23.6

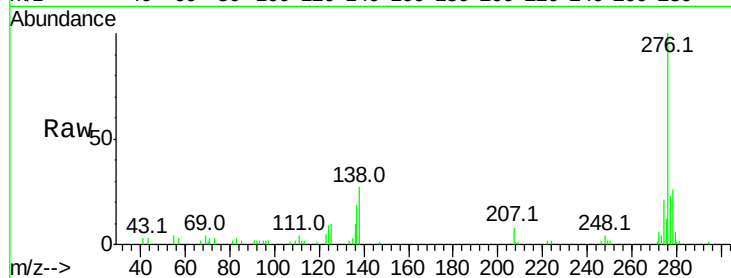




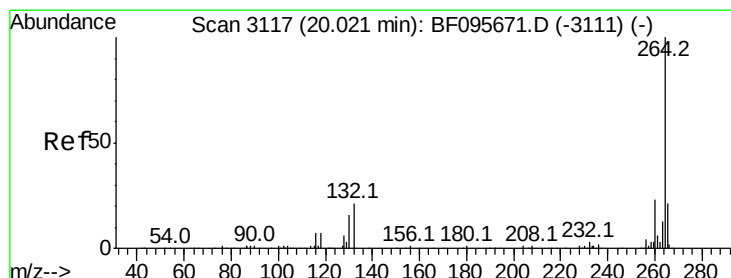
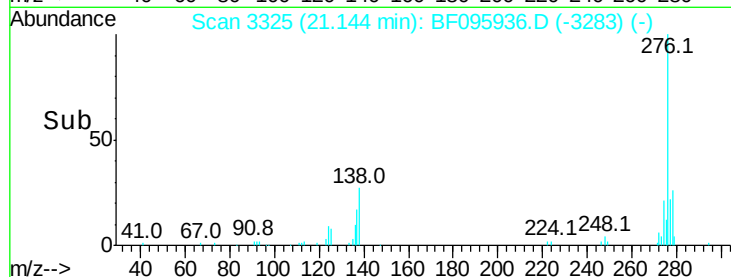
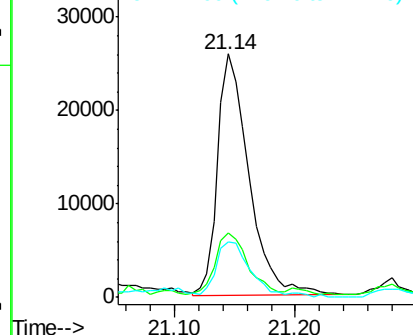
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.38 ng
 RT: 21.14 min Scan# 3325
 Delta R.T. -0.05 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	27.8	41.6
277	25.8	20.2	30.4

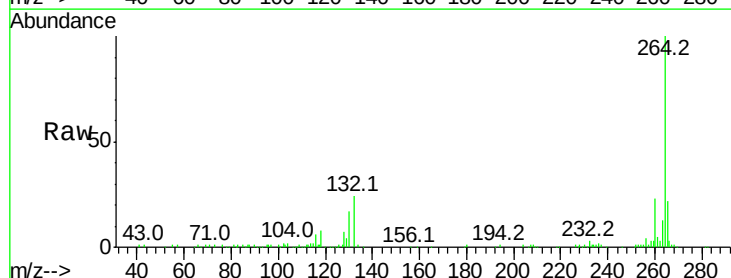


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

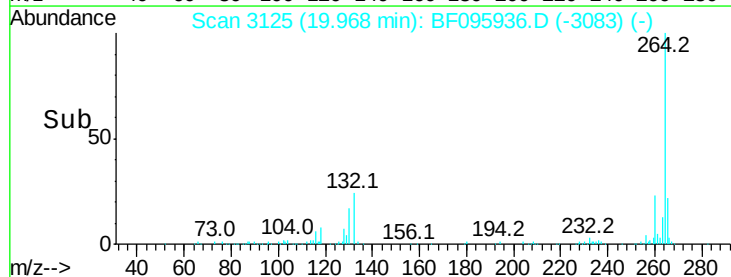
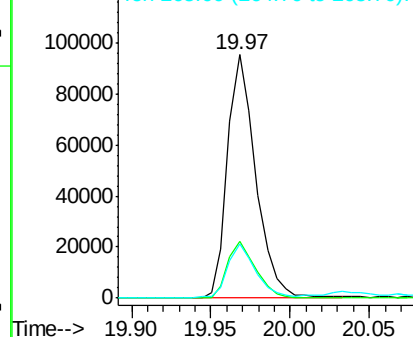


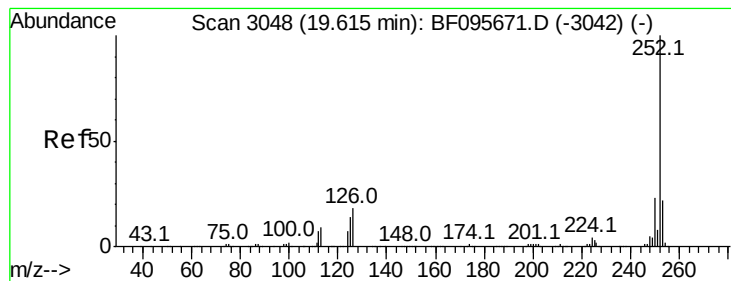
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.97 min Scan# 3125
 Delta R.T. -0.05 min
 Lab File: BF095936.D
 Acq: 14 Jun 2017 22:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.2	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: 22.58 ng

RT: 19.57 min Scan# 3057

Delta R.T. -0.05 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Instrument :

BNA_F

ClientSampled :

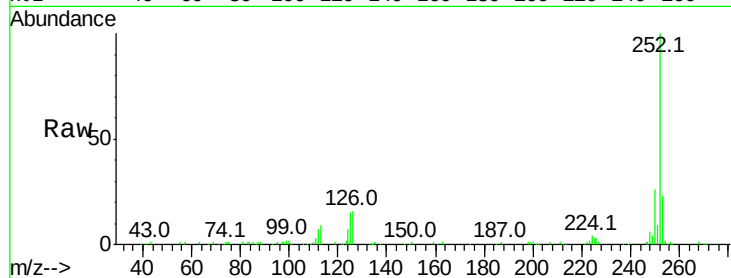
Tot Ion:252 Resp: 167071

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

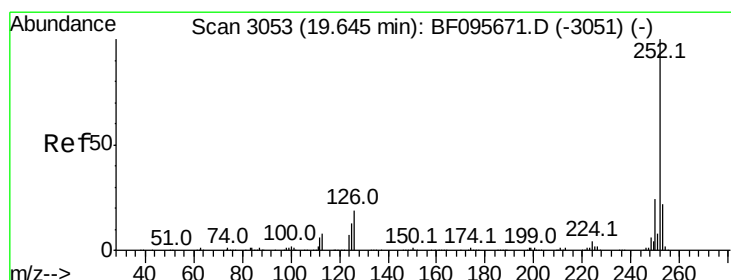
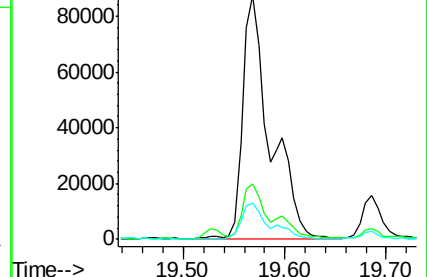
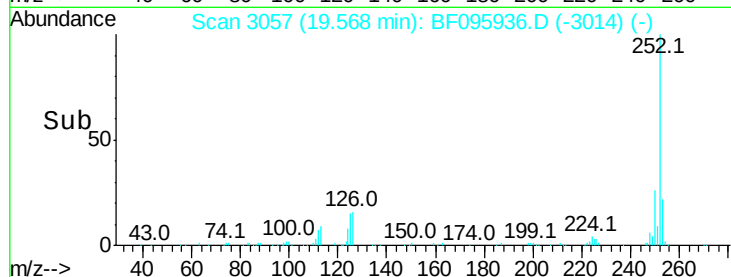
125 15.1 9.8 14.8#



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: 23.62 ng

RT: 19.57 min Scan# 3057

Delta R.T. -0.08 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

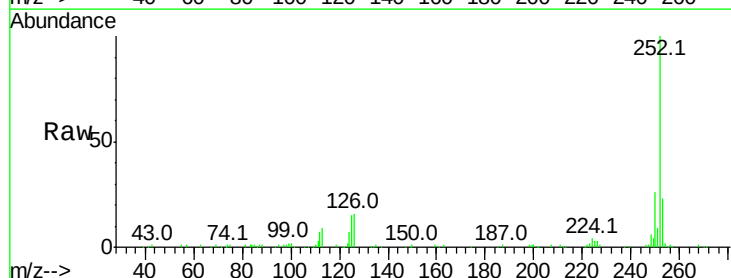
Tgt Ion:252 Resp: 167071

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

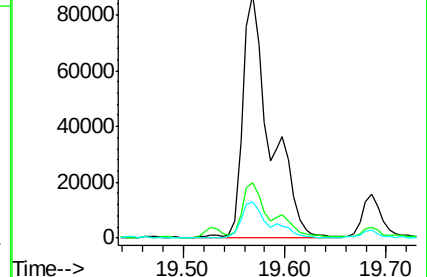
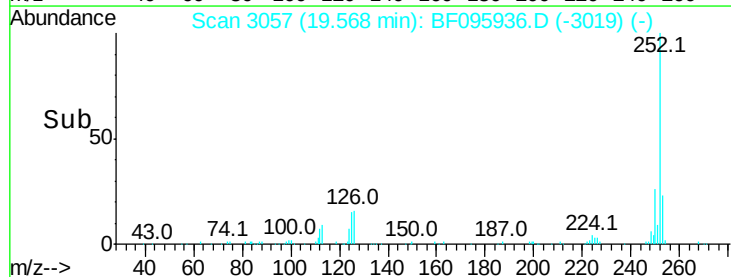
125 15.1 13.1 19.7

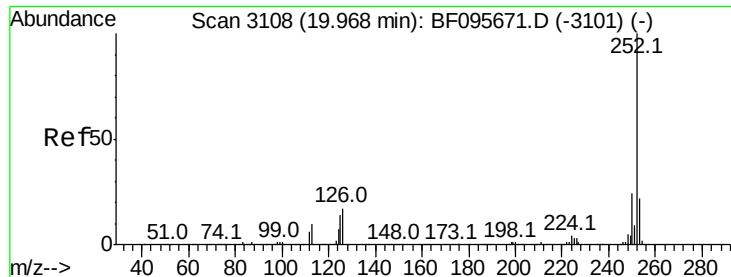


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 12.80 ng

RT: 19.92 min Scan# 3116

Delta R.T. -0.05 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

Instrument :

BNA_F

ClientSampleId :

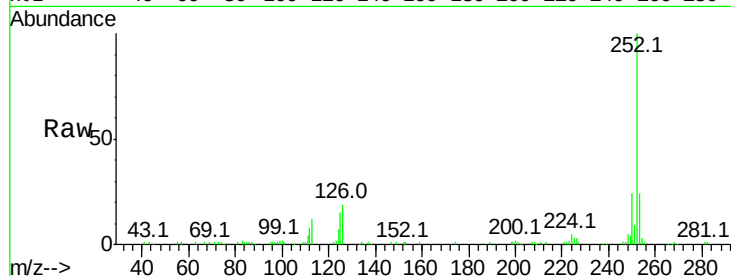
Tot Ion:252 Resp: 87037

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

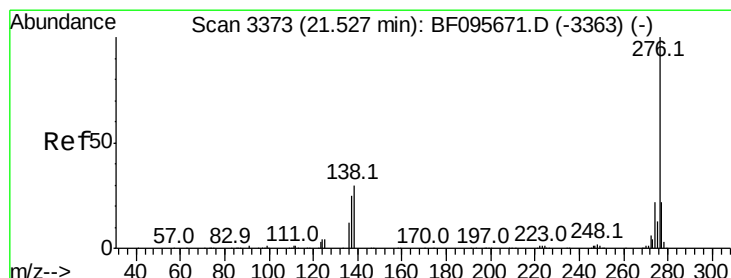
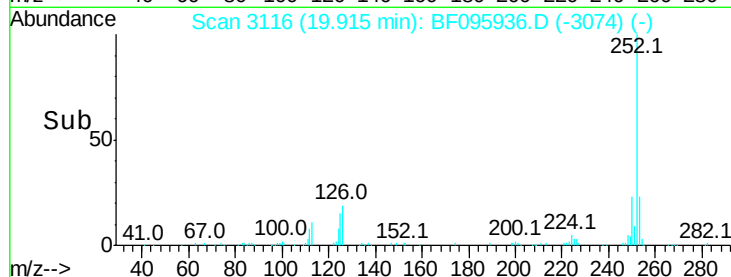
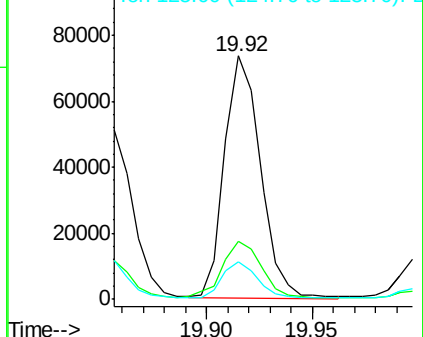
125 15.4 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 7.29 ng

RT: 21.48 min Scan# 3382

Delta R.T. -0.05 min

Lab File: BF095936.D

Acq: 14 Jun 2017 22:29

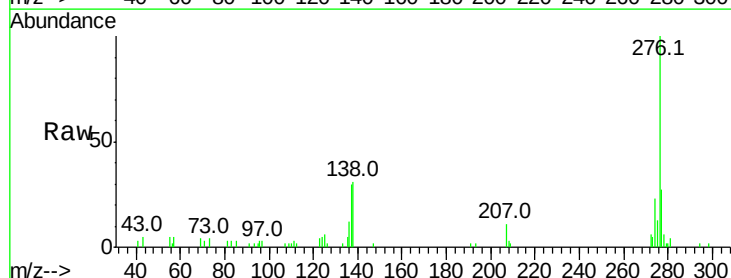
Tgt Ion:276 Resp: 42896

Ion Ratio Lower Upper

276 100

277 26.8 18.6 28.0

138 31.2 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

