

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098835.D
 Acq On : 26 Sep 2017 16:35
 Operator : SJ/JU
 Sample : I5363-07 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 00:46:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

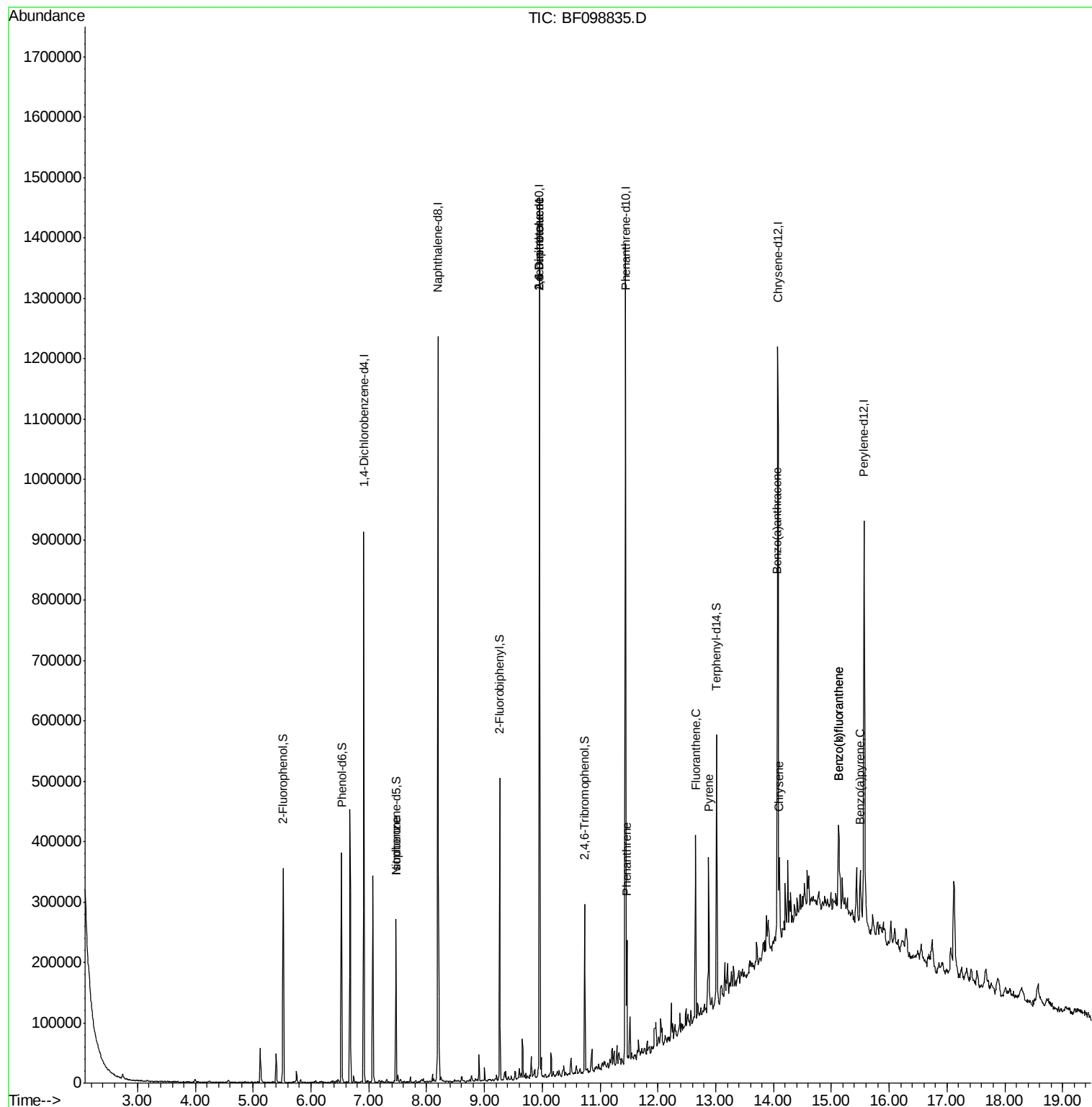
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	132722	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	552693	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	253030	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	434717	20.00	ng	0.00
75) Chrysene-d12	14.07	240	303436	20.00	ng	-0.01
86) Perylene-d12	15.57	264	293514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	101227	12.14	ng	-0.02
7) Phenol-d6	6.53	99	123073	11.97	ng	-0.02
23) Nitrobenzene-d5	7.47	82	68514	7.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	21920	10.59	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	146008	9.63	ng	-0.02
78) Terphenyl-d14	13.02	244	117876	8.83	ng	-0.02
Target Compounds						
25) Isophorone	7.47	82	68215	3.83	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	32701	7.87	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	32701	6.06	ng	# 23
70) Phenanthrene	11.46	178	69407	2.98	ng	98
74) Fluoranthene	12.65	202	107272	4.55	ng	96
77) Pyrene	12.88	202	91420	3.95	ng	99
80) Benzo(a)anthracene	14.06	228	51568	2.81	ng	96
82) Chrysene	14.10	228	52194	2.98	ng	97
87) Benzo(b)fluoranthene	15.13	252	94019	5.21	ng	# 92
88) Benzo(k)fluoranthene	15.13	252	94019	5.27	ng	# 95
89) Benzo(a)pyrene	15.50	252	39782	2.40	ng	# 91

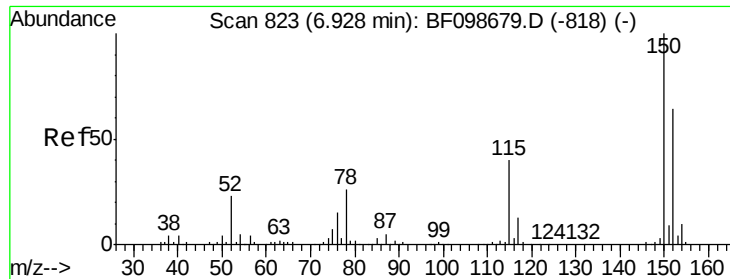
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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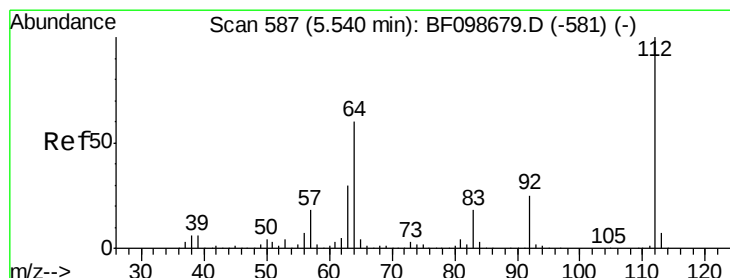
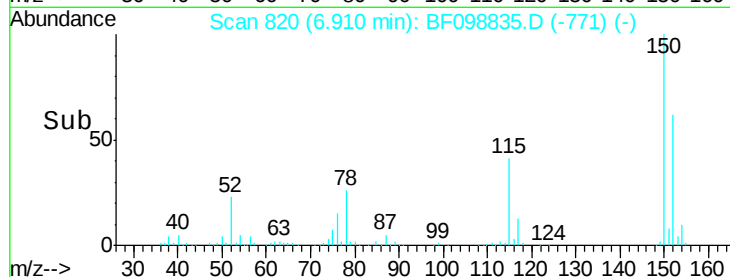
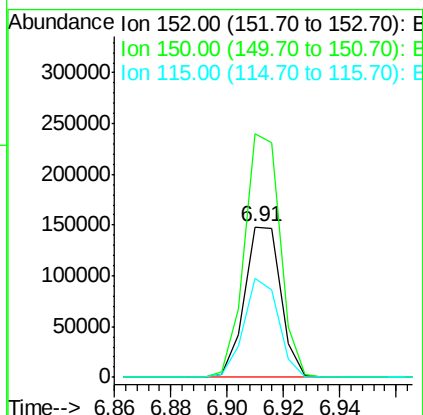
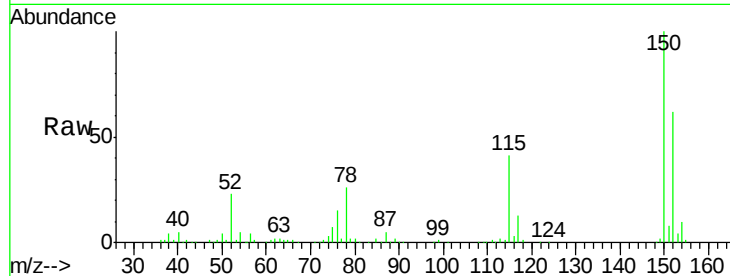


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098835.D
Acq: 26 Sep 2017 16:35

Instrument :
BNA_F
ClientSampleId :

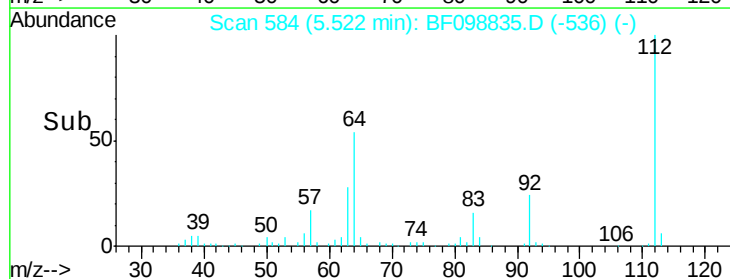
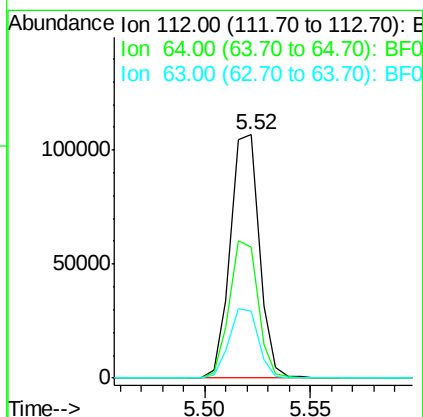
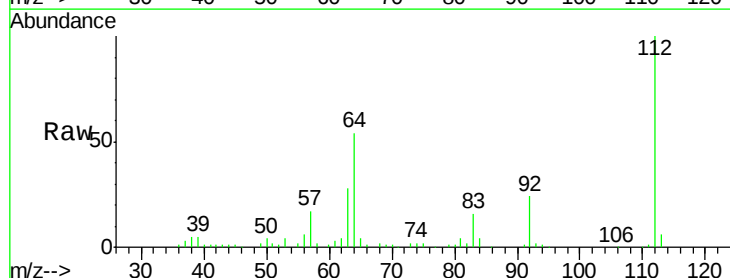
Tot Ion:152 Resp: 132722
Ion Ratio Lower Upper
152 100
150 161.5 124.6 186.8
115 65.5 50.1 75.1

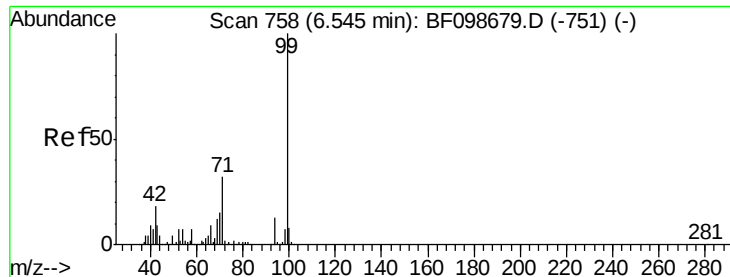


#5

2-Fluorophenol
Concen: 12.14 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098835.D
Acq: 26 Sep 2017 16:35

Tgt Ion:112 Resp: 101227
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 27.5 23.7 35.5





#7

Phenol-d6

Concen: 11.97 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

Instrument :

BNA_F

ClientSampleId :

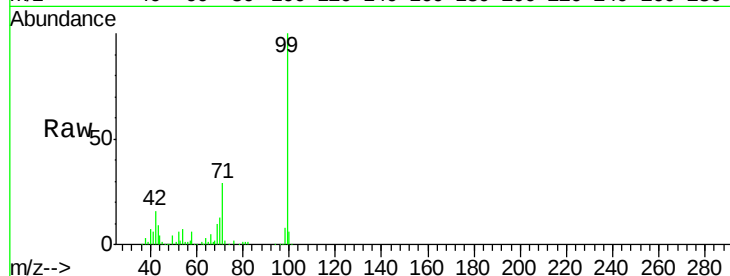
Tot Ion: 99 Resp: 123073

Ion Ratio Lower Upper

99 100

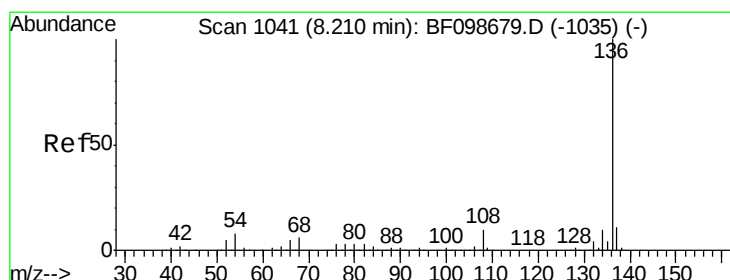
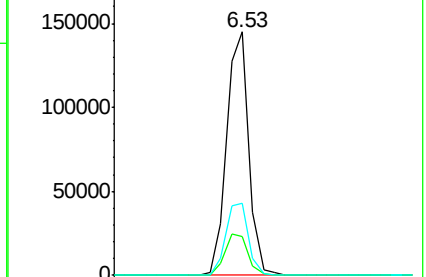
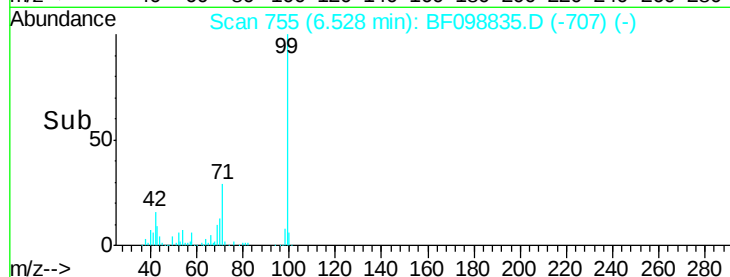
42 15.8 14.5 21.7

71 29.4 25.4 38.0



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

6.53



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

Tgt Ion: 136 Resp: 552693

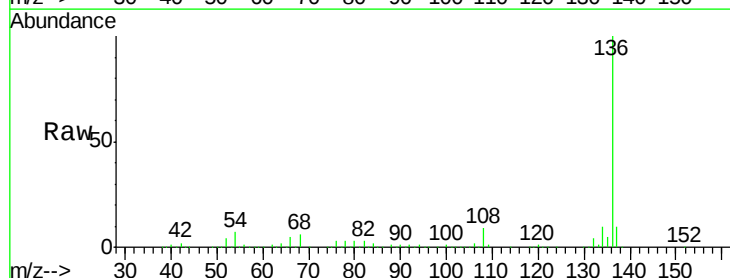
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

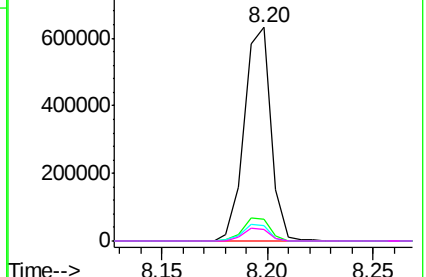
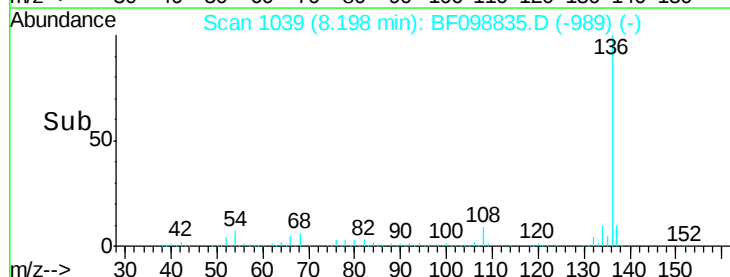
54 7.2 6.6 9.8

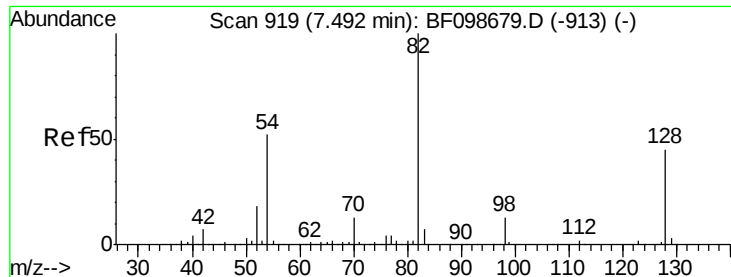
68 5.6 5.0 7.4



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

8.20

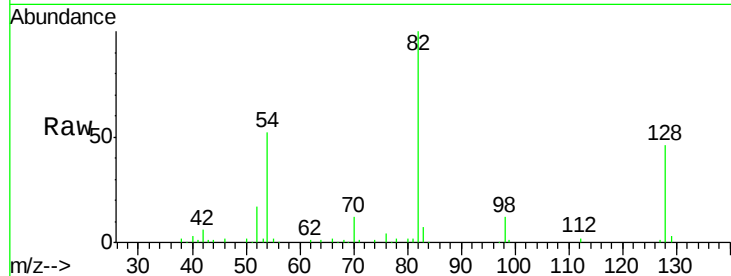




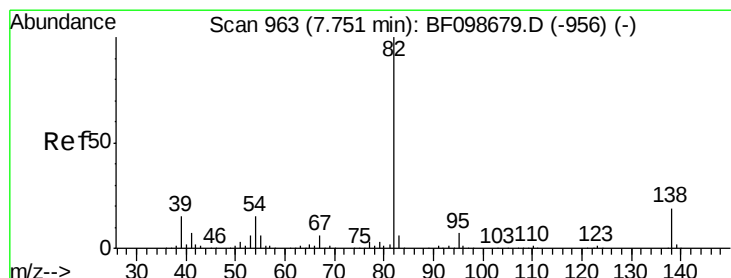
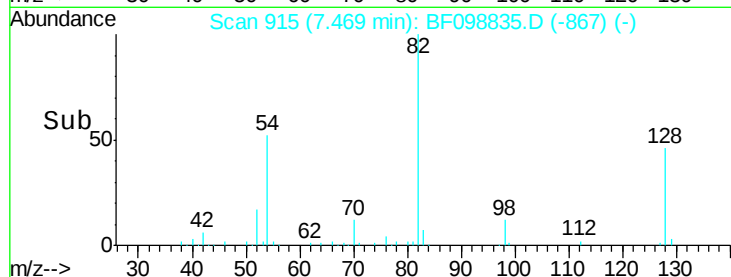
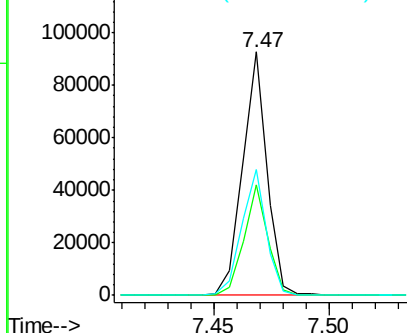
#23
 Nitrobenzene-d5
 Concen: 7.95 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098835.D
 Acq: 26 Sep 2017 16:35

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	68514
Ion Ratio	100	Lower	Upper
128	45.6	36.1	54.1
54	51.7	41.4	62.2

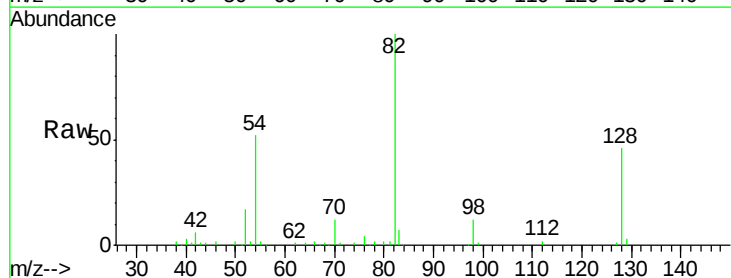


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

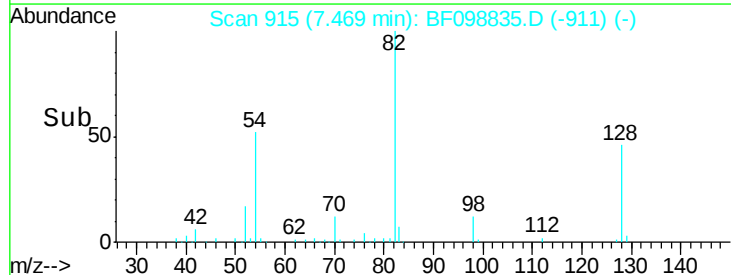
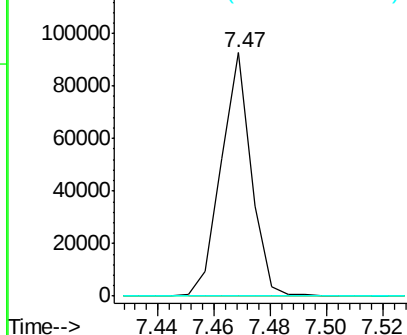


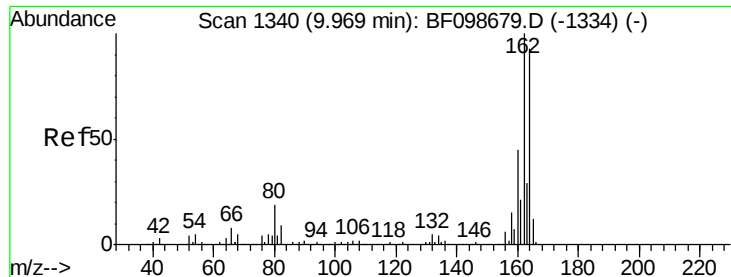
#25
 Isophorone
 Concen: 3.83 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.28 min
 Lab File: BF098835.D
 Acq: 26 Sep 2017 16:35

Tgt Ion	82	Resp	68215
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

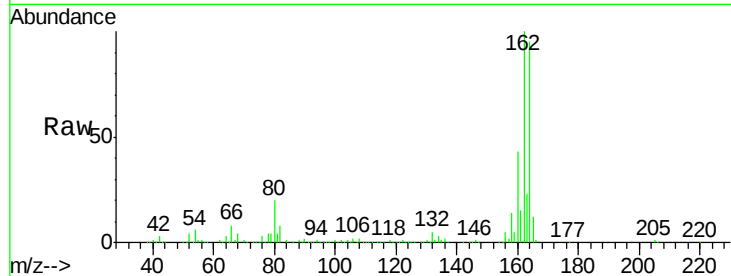




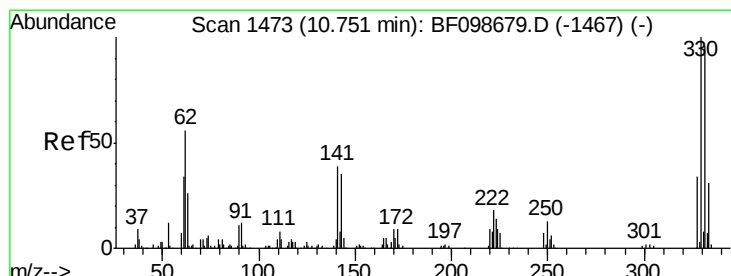
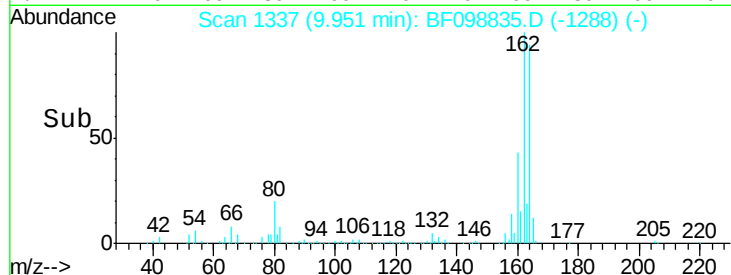
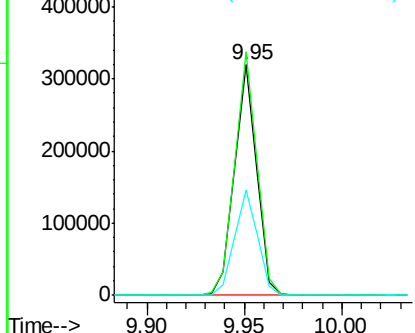
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098835.D
 Acq: 26 Sep 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 253030
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 45.6 38.3 57.5

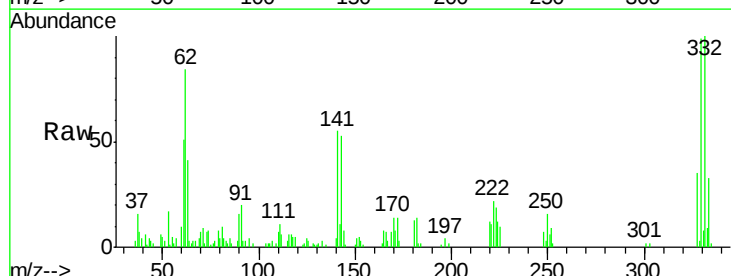


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

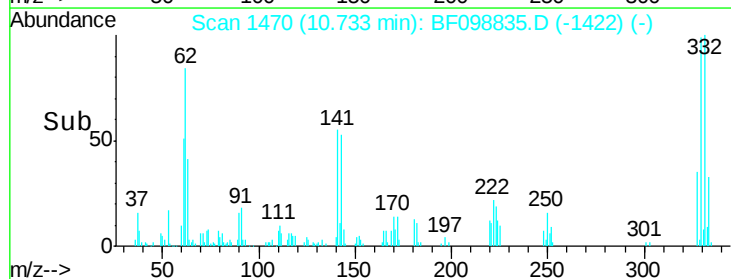
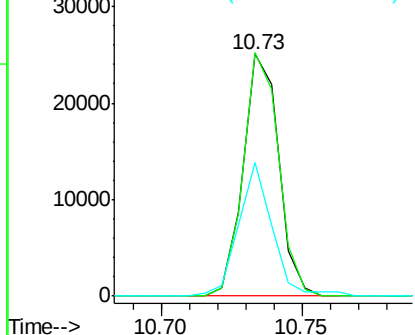


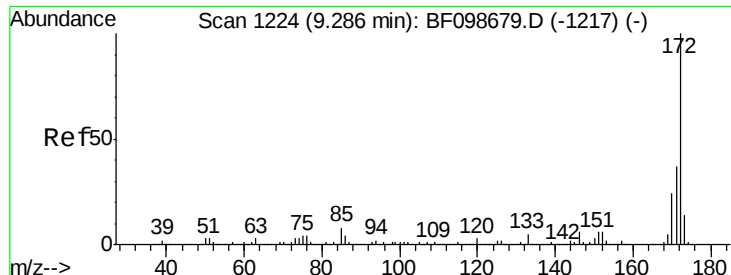
#41
 2,4,6-Tribromophenol
 Concen: 10.59 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098835.D
 Acq: 26 Sep 2017 16:35

Tgt Ion:330 Resp: 21920
 Ion Ratio Lower Upper
 330 100
 332 99.7 77.0 115.6
 141 52.3 29.9 44.9#



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

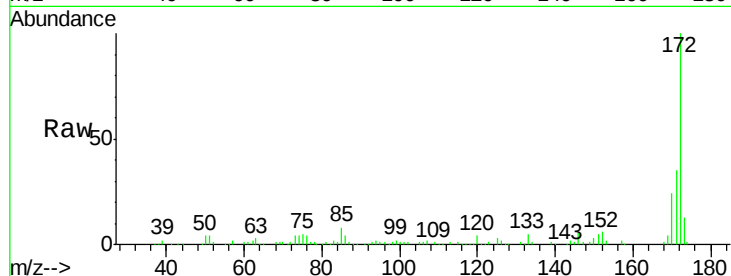




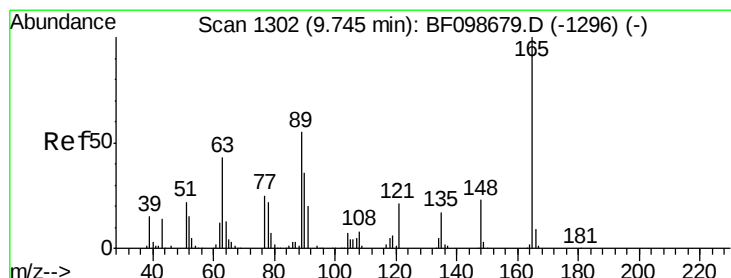
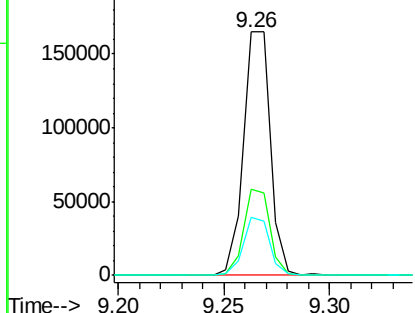
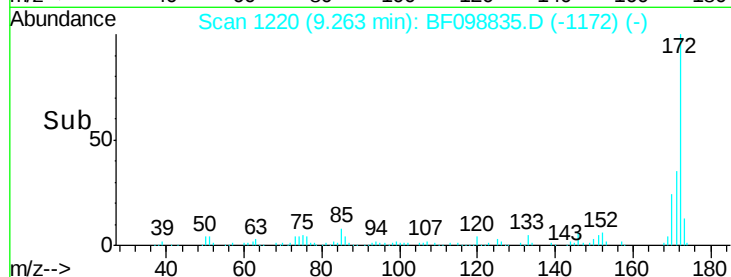
#44
 2-Fluorobiphenyl
 Concen: 9.63 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098835.D
 Acq: 26 Sep 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 146008
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.8 19.6 29.4

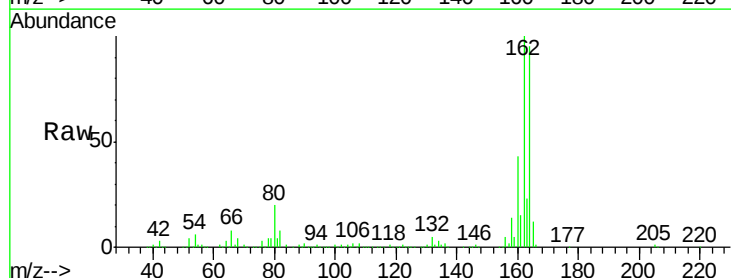


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

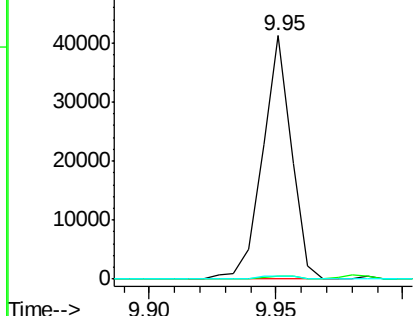
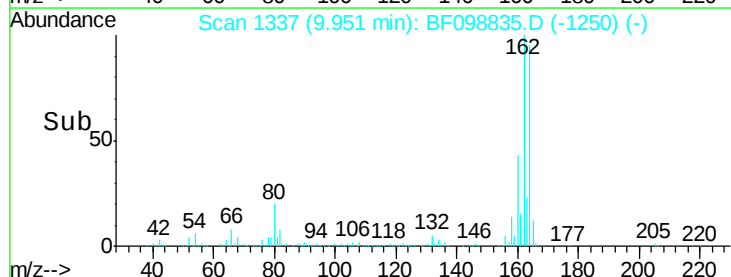


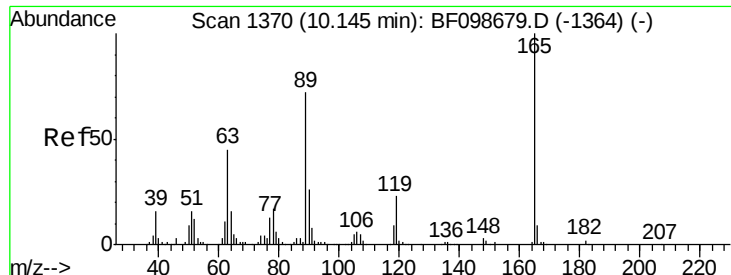
#50
 2,6-Dinitrotoluene
 Concen: 7.87 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098835.D
 Acq: 26 Sep 2017 16:35

Tgt Ion:165 Resp: 32701
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.4 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

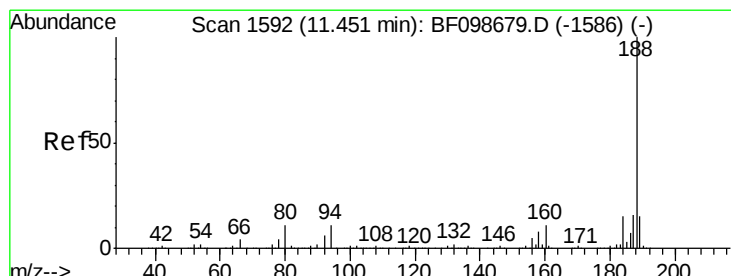
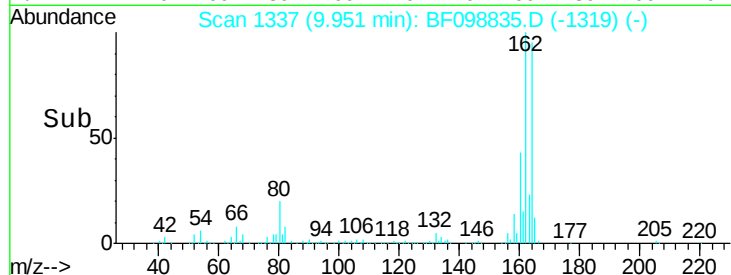
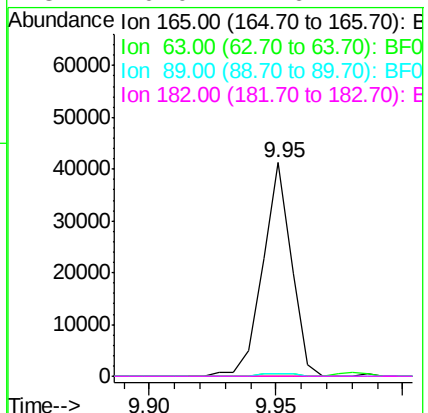
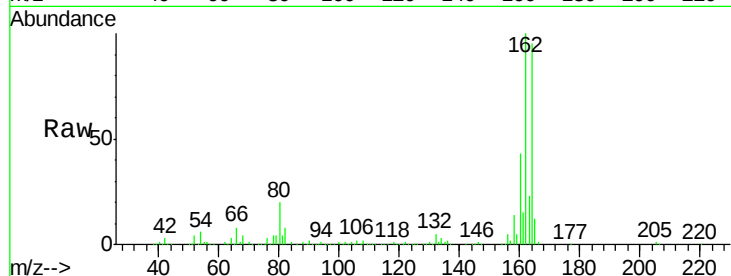




#56
 2,4-Dinitrotoluene
 Concen: 6.06 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098835.D
 Acq: 26 Sep 2017 16:35

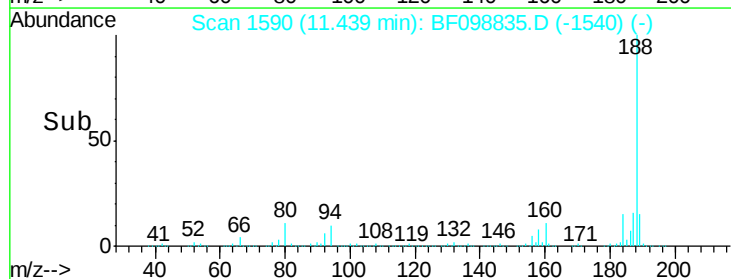
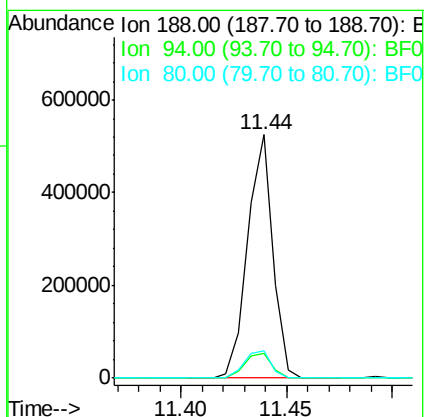
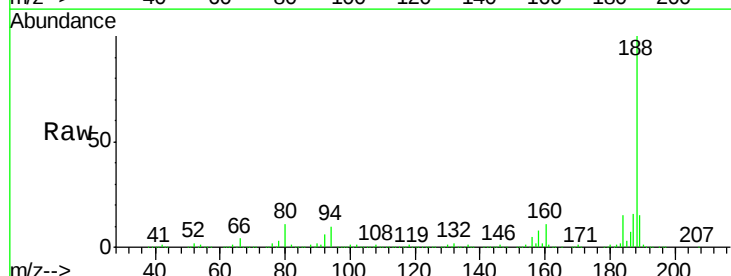
Instrument :
 BNA_F
 ClientSampleId :

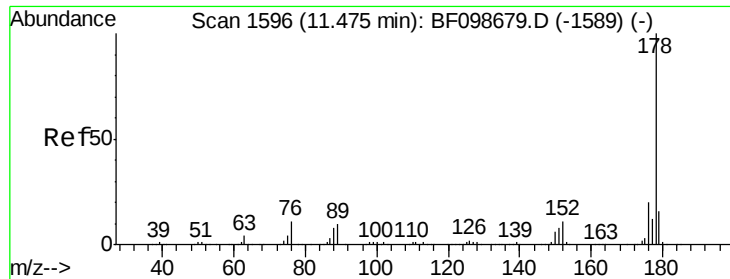
Tot Ion:165 Resp: 32701
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098835.D
 Acq: 26 Sep 2017 16:35

Tgt Ion:188 Resp: 434717
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 11.2 9.2 13.8





#70

Phenanthrene

Concen: 2.98 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

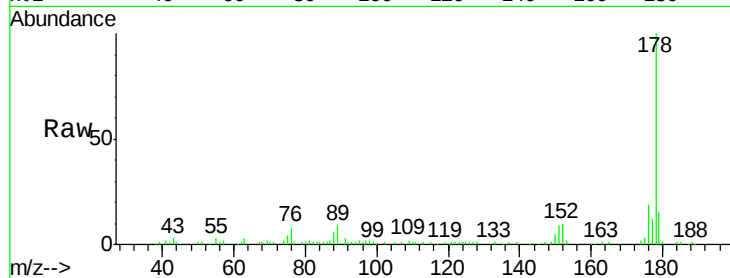
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 69407

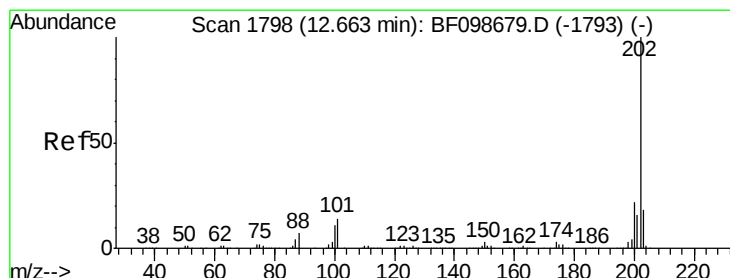
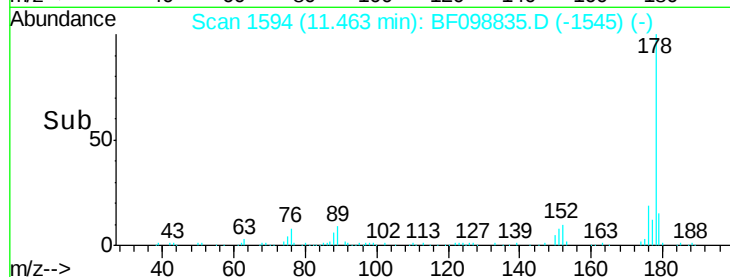
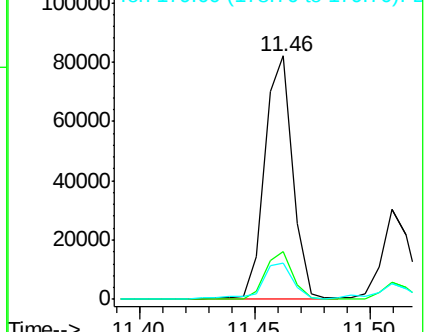
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.9	13.0	19.6



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: 4.55 ng

RT: 12.65 min Scan# 1796

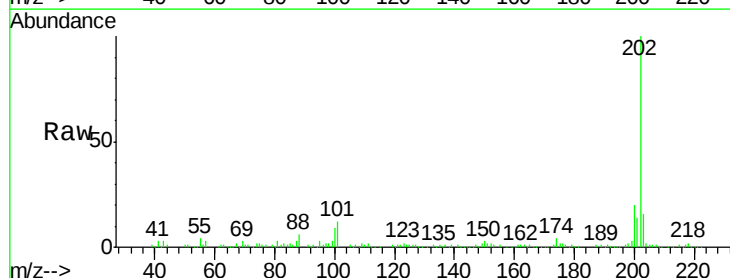
Delta R.T. -0.01 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

Tgt Ion:202 Resp: 107272

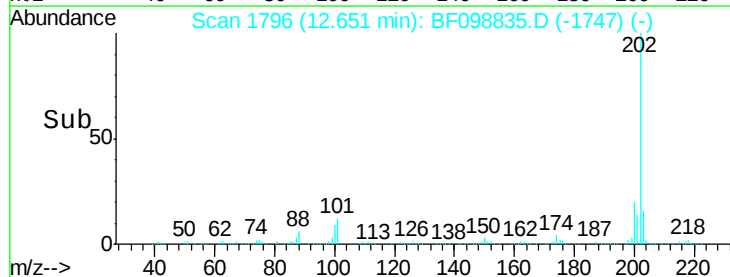
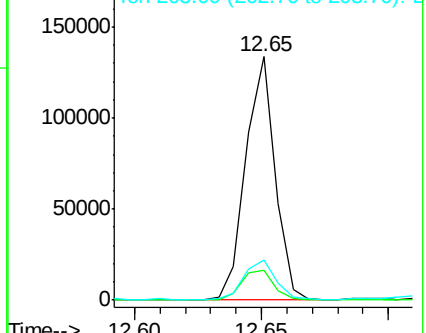
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	16.5	0.0	38.1

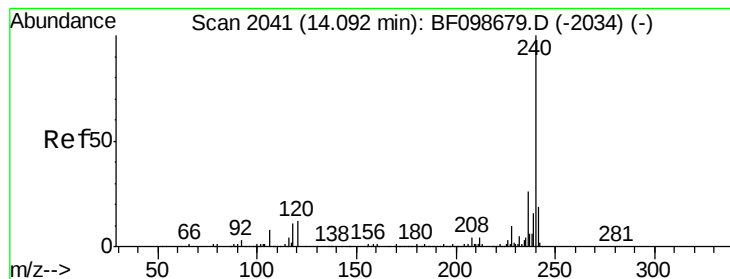


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

Instrument :

BNA_F

ClientSampleId :

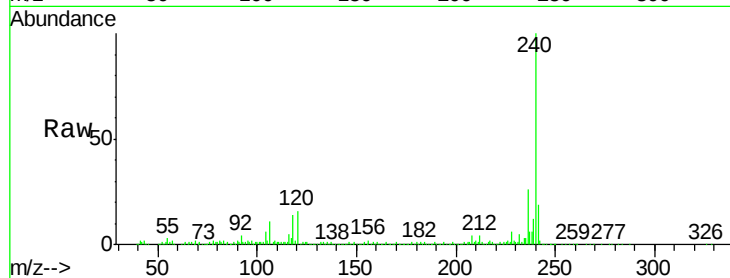
Tot Ion:240 Resp: 303436

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

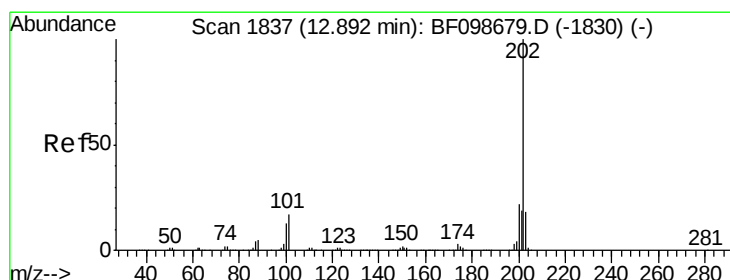
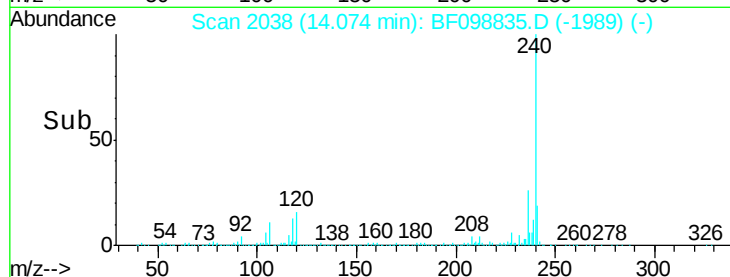
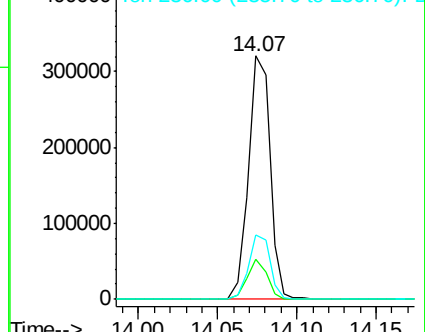
236 26.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.95 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

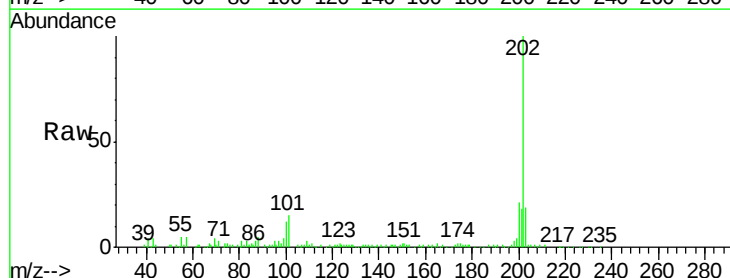
Tgt Ion:202 Resp: 91420

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

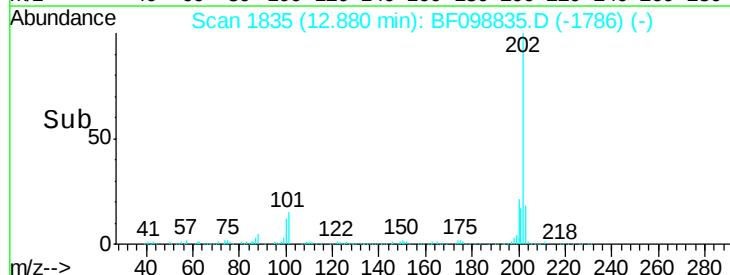
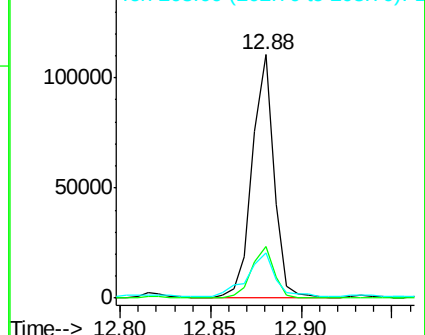
203 18.5 14.3 21.5

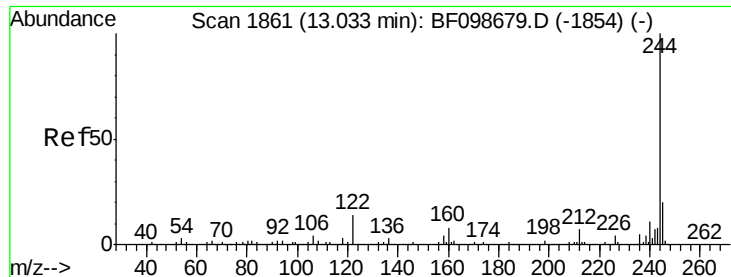


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.83 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

Instrument :

BNA_F

ClientSampleId :

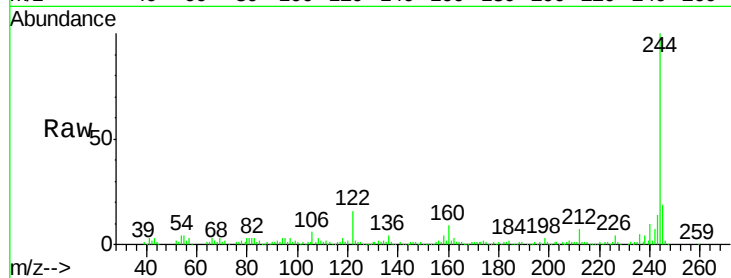
Tot Ion:244 Resp: 117876

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

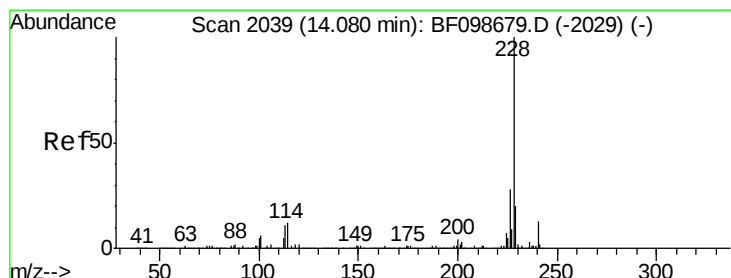
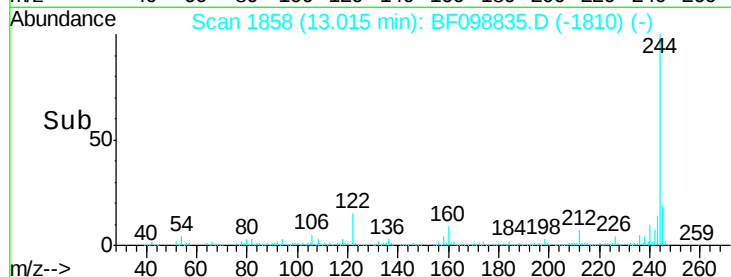
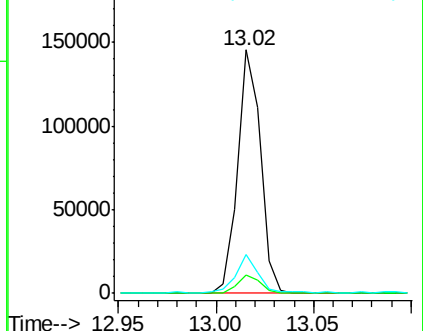
122 15.9 11.0 16.4



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: 2.81 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

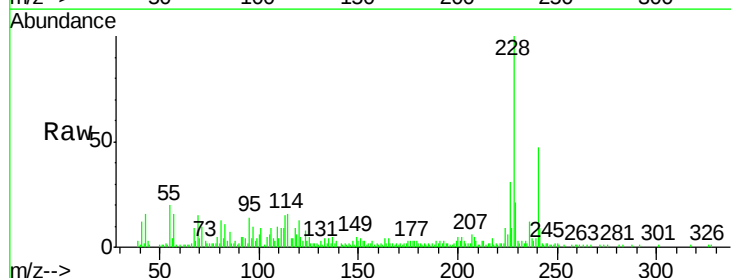
Tgt Ion:228 Resp: 51568

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

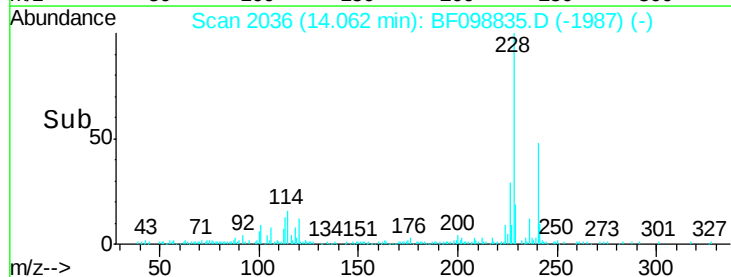
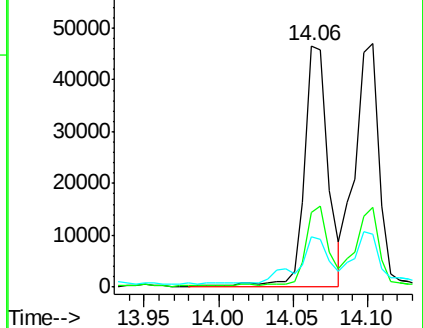
229 20.8 15.8 23.6

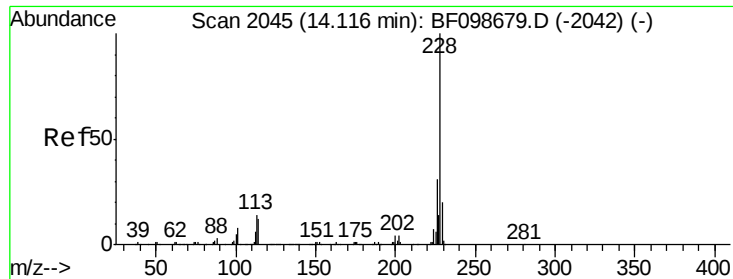


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.98 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

Instrument :

BNA_F

ClientSampleId :

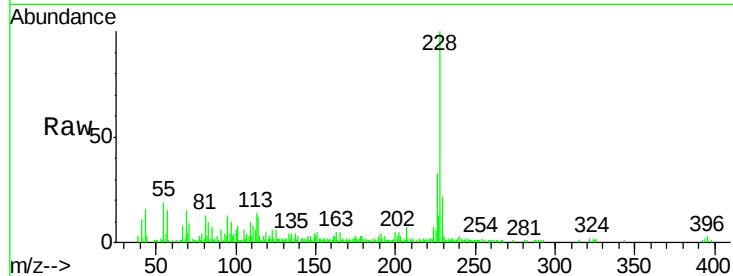
Tot Ion:228 Resp: 52194

Ion Ratio Lower Upper

228 100

226 32.6 25.0 37.6

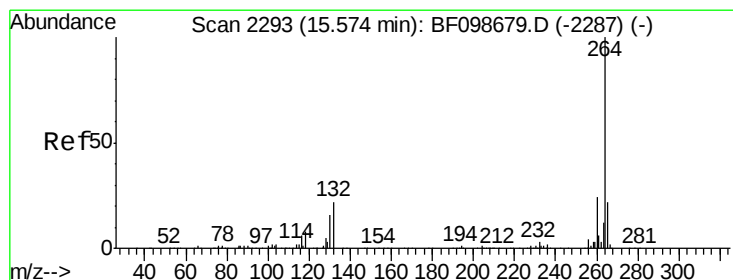
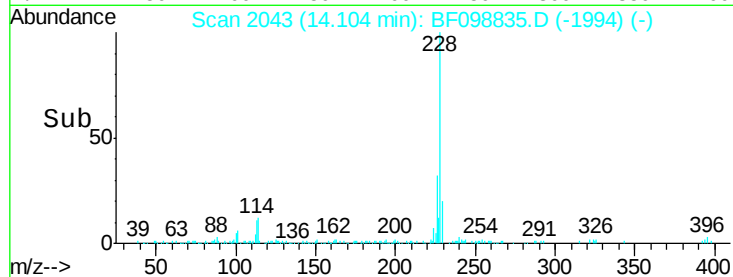
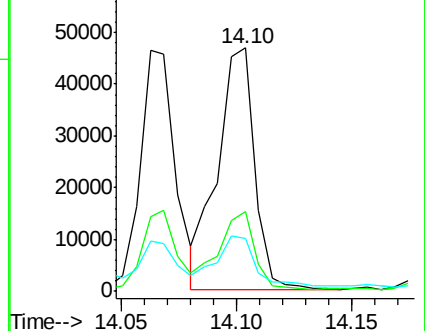
229 21.6 16.2 24.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.57 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

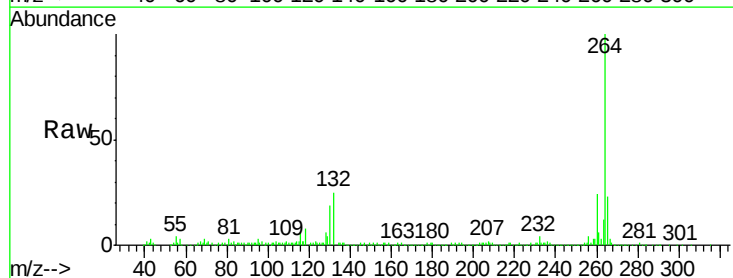
Tgt Ion:264 Resp: 293514

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

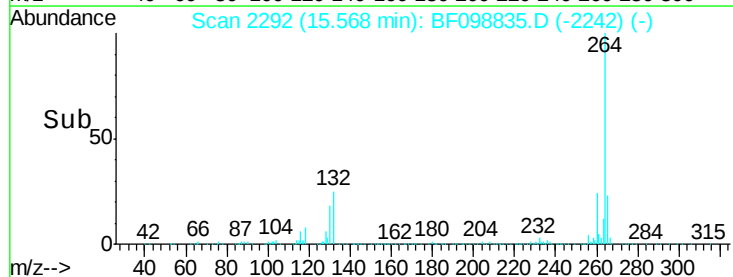
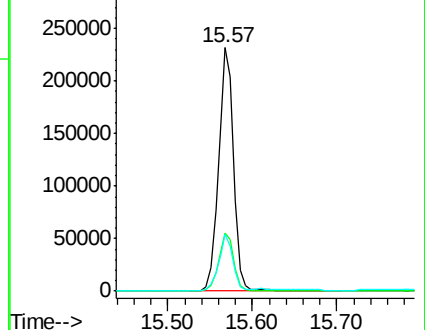
265 23.1 17.5 26.3

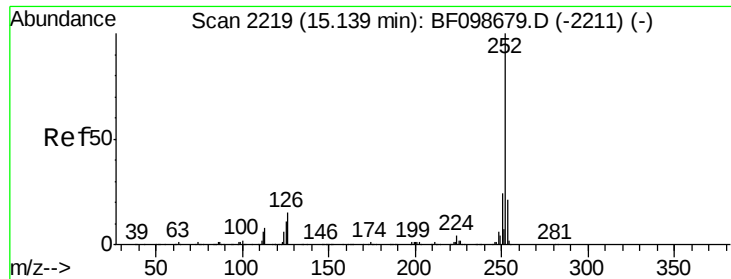


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

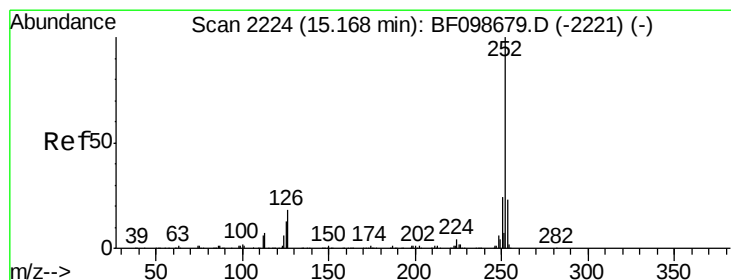
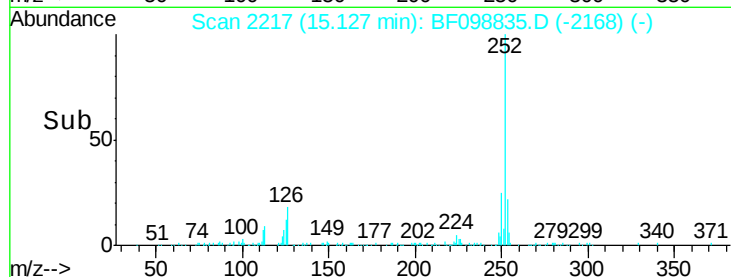
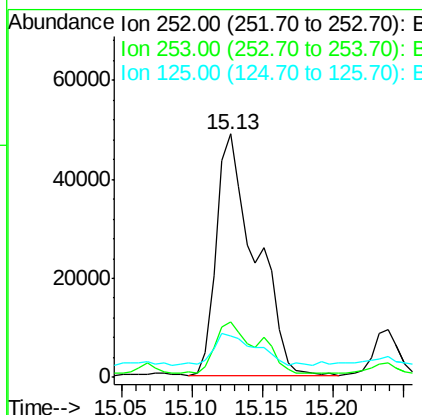
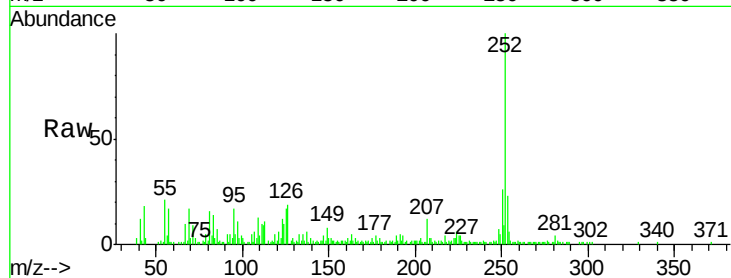




#87
Benzo(b)fluoranthene
Concen: 5.21 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098835.D
Acq: 26 Sep 2017 16:35

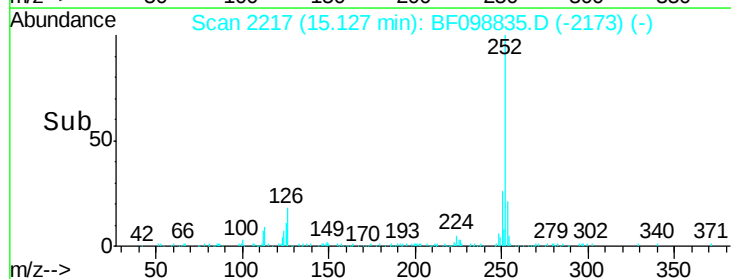
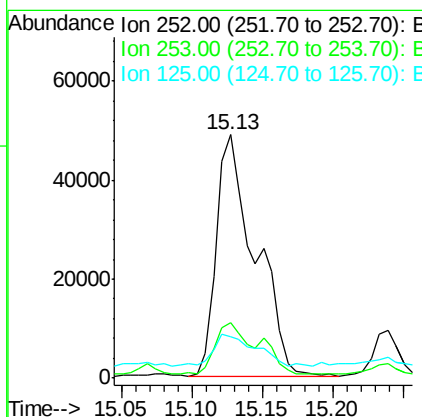
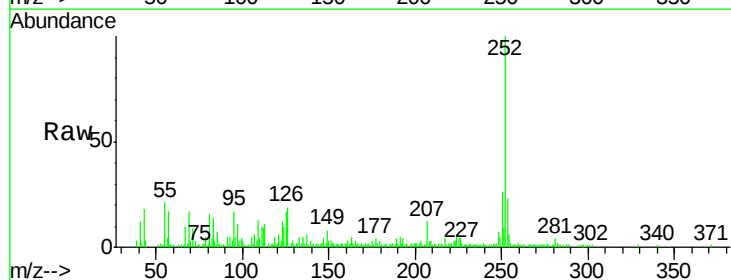
Instrument :
BNA_F
ClientSampleId :

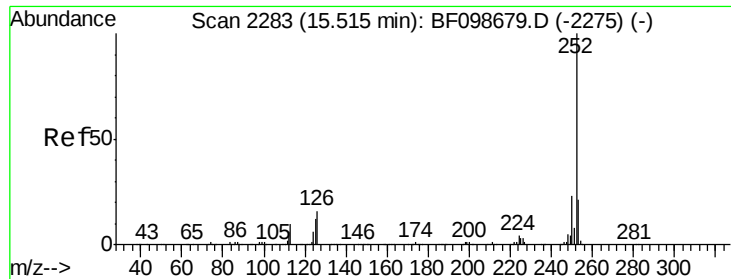
Tot Ion:252 Resp: 94019
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 17.2 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 5.27 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098835.D
Acq: 26 Sep 2017 16:35

Tgt Ion:252 Resp: 94019
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 17.2 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.40 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF098835.D

Acq: 26 Sep 2017 16:35

Instrument :

BNA_F

ClientSampleId :

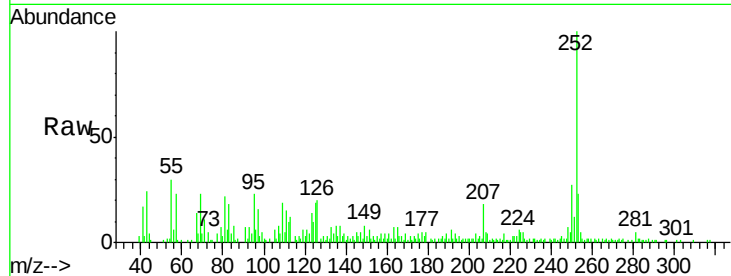
Tot Ion:252 Resp: 39782

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 19.1 9.8 14.6#



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

