

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101835.D
 Acq On : 29 Dec 2017 18:00
 Operator : SJ/JU
 Sample : I7023-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LB-6

Quant Time: Dec 30 03:29:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

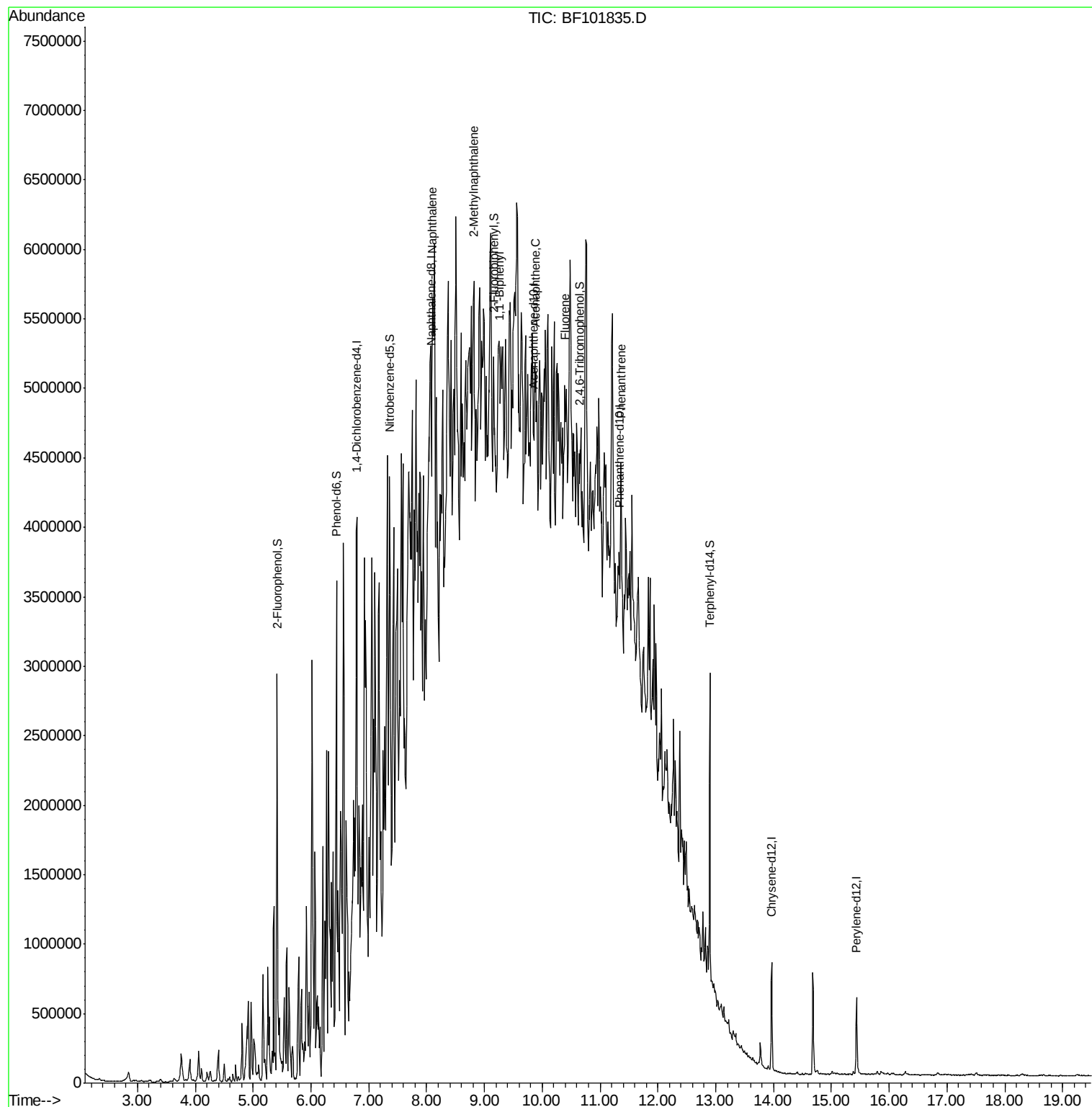
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	105611	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	284488	20.00	ng	0.01
38) Acenaphthene-d10	9.85	164	125873	20.00	ng	0.03
63) Phenanthrene-d10	11.33	188	201318	20.00	ng	0.02
75) Chrysene-d12	13.97	240	284401	20.00	ng	0.00
86) Perylene-d12	15.44	264	302732	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1140066	160.80	ng	0.00
7) Phenol-d6	6.44	99	1251200	141.80	ng	0.00
23) Nitrobenzene-d5	7.36	82	674986	132.07	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	139471	114.99	ng	0.02
44) 2-Fluorobiphenyl	9.16	172	803375	99.01	ng	0.02
78) Terphenyl-d14	12.90	244	855718	72.54	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	1334356	93.167	ng	# 96
37) 2-Methylnaphthalene	8.82	142	2102488	225.319	ng	# 95
45) 1,1'-Biphenyl	9.26	154	358351	32.102	ng	# 98
51) Acenaphthene	9.88	154	91917	11.340	ng	# 54
57) Fluorene	10.40	166	231090	26.520	ng	# 89
70) Phenanthrene	11.36	178	625702	55.888	ng	96

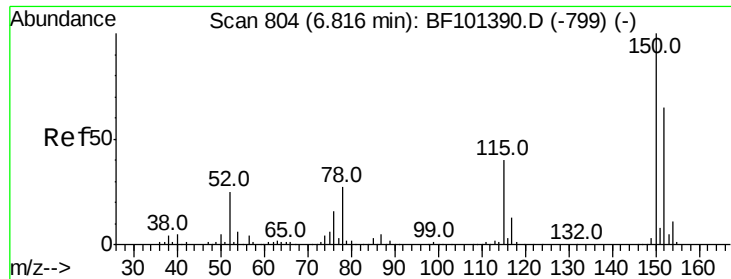
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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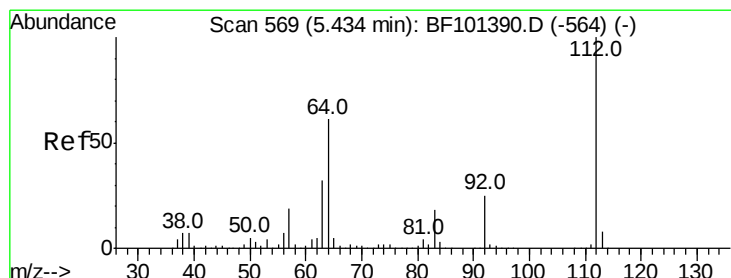
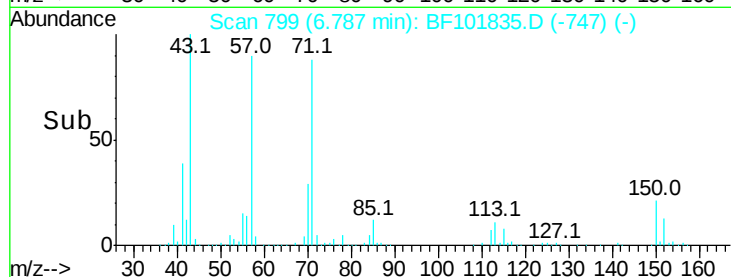
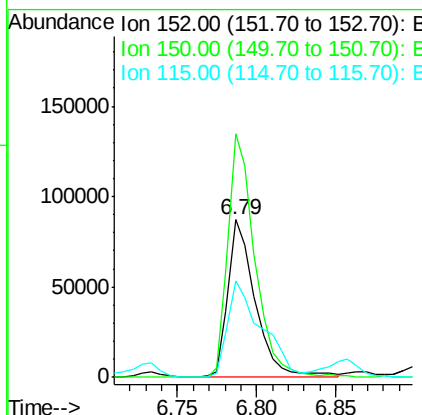
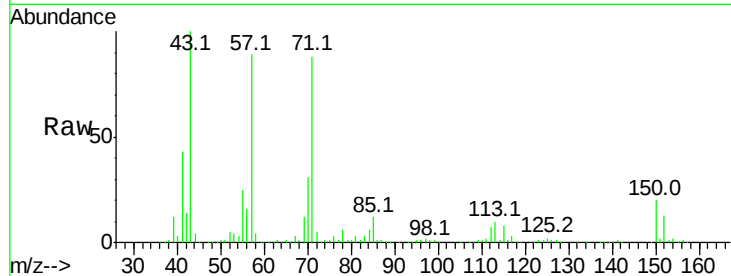


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF101835.D
Acq: 29 Dec 2017 18:00

Instrument :
BNA_F
ClientSampleId :
LB-6

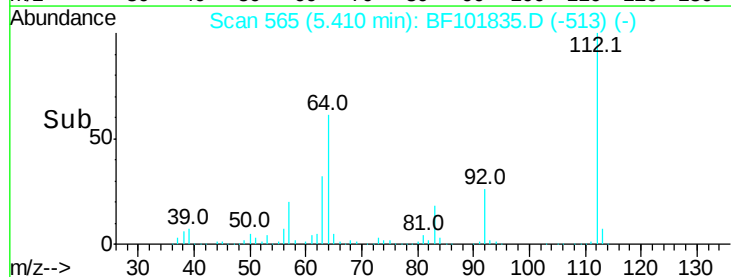
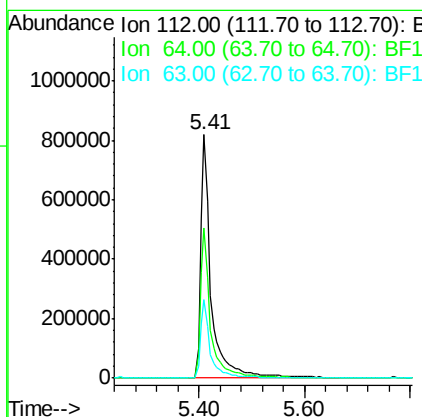
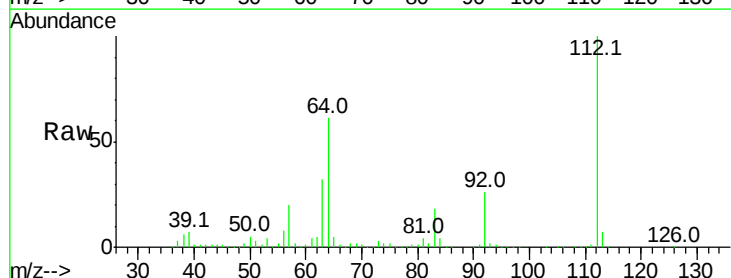
Tot Ion:152 Resp: 105611
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 61.0 50.1 75.1

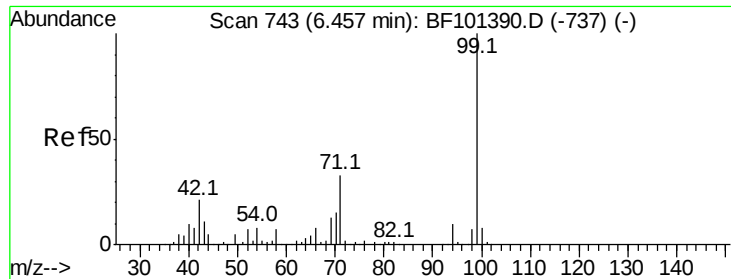


#5

2-Fluorophenol
Concen: 160.799 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101835.D
Acq: 29 Dec 2017 18:00

Tgt Ion:112 Resp: 1140066
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 32.0 23.7 35.5





#7

Phenol-d6

Concen: 141.799 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

Instrument :

BNA_F

ClientSampled :

LB-6

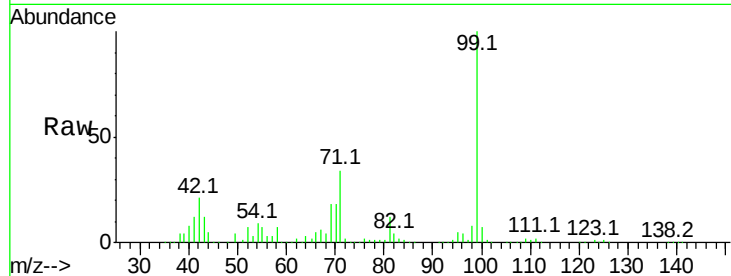
Tot Ion: 99 Resp: 1251200

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

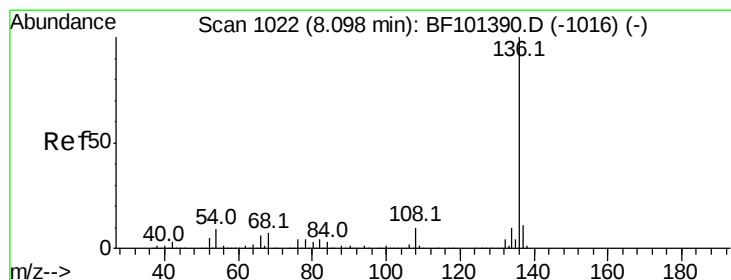
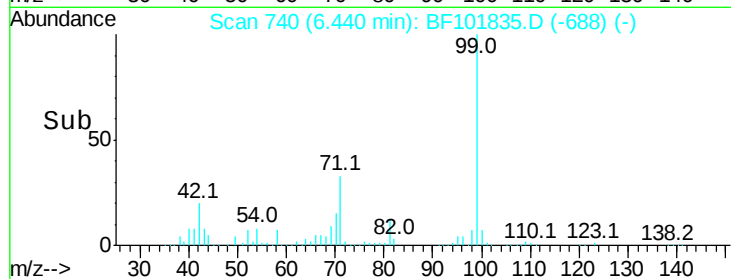
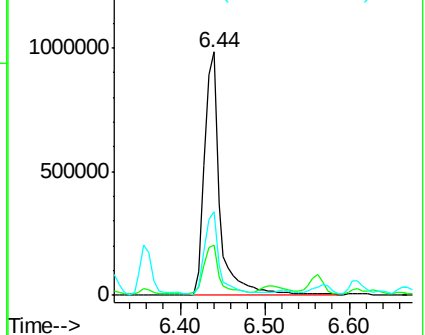
71 34.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.01 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

Tgt Ion:136 Resp: 284488

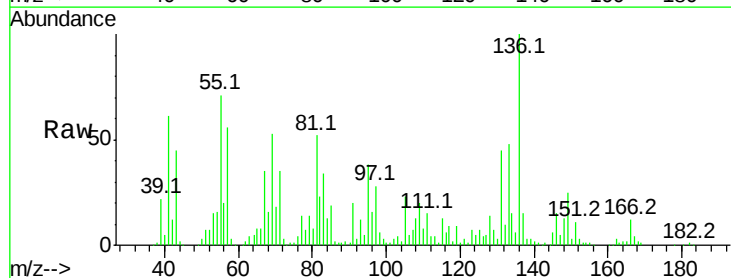
Ion Ratio Lower Upper

136 100

137 14.8 8.9 13.3#

54 15.9 6.6 9.8#

68 16.2 5.0 7.4#

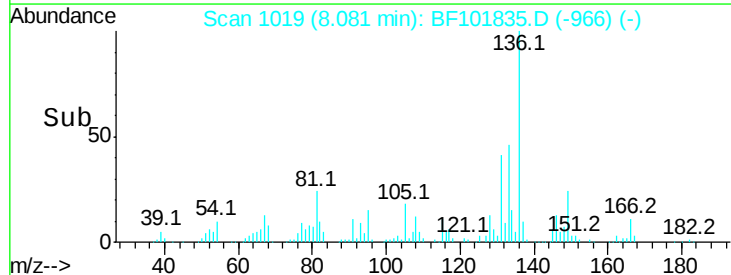
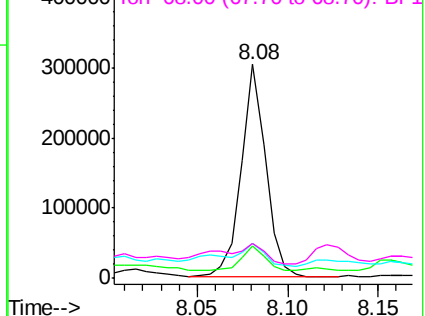


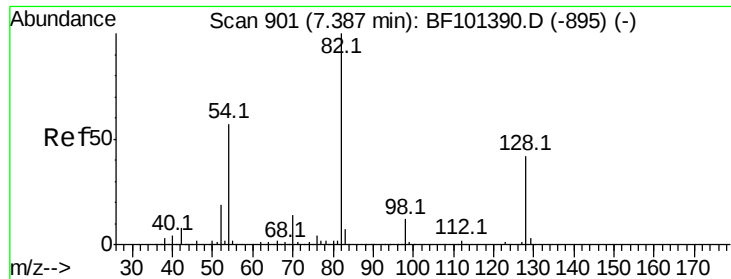
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

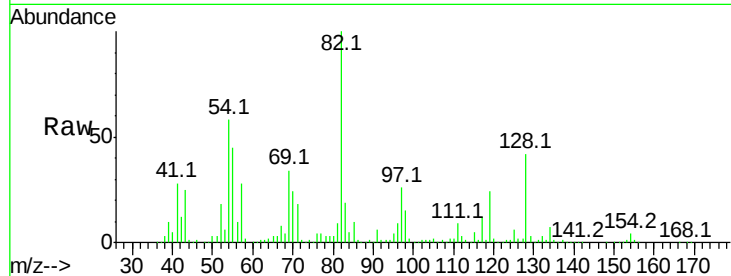




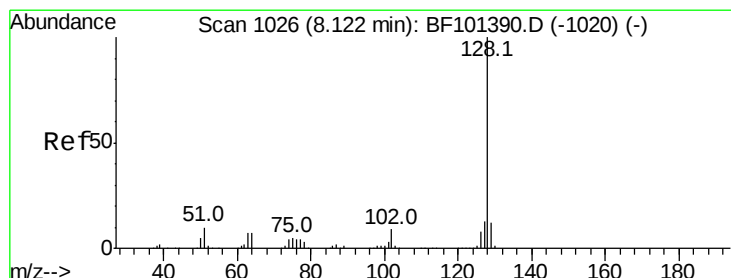
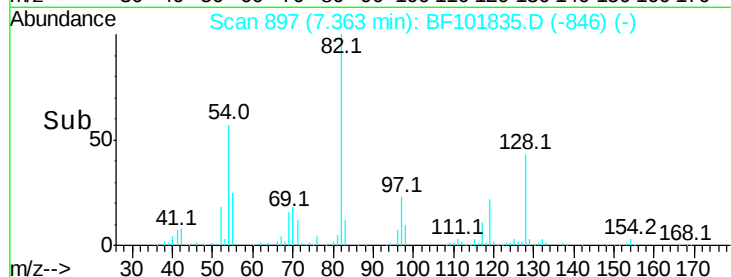
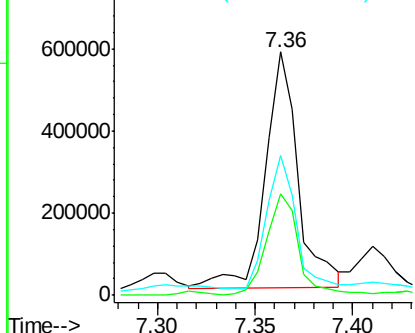
#23
Nitrobenzene-d5
Concen: 132.075 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF101835.D
Acq: 29 Dec 2017 18:00

Instrument :
BNA_F
ClientSampleId :
LB-6

Tot Ion: 82 Resp: 674986
Ion Ratio Lower Upper
82 100
128 42.0 36.1 54.1
54 57.6 41.4 62.2

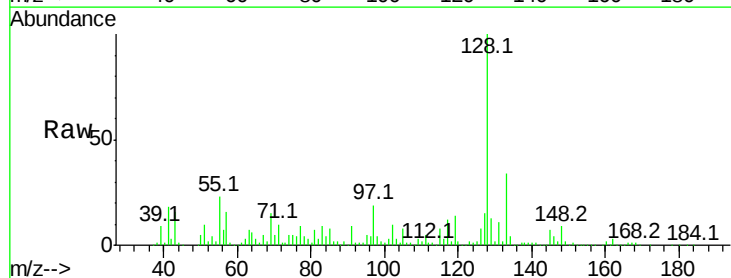


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

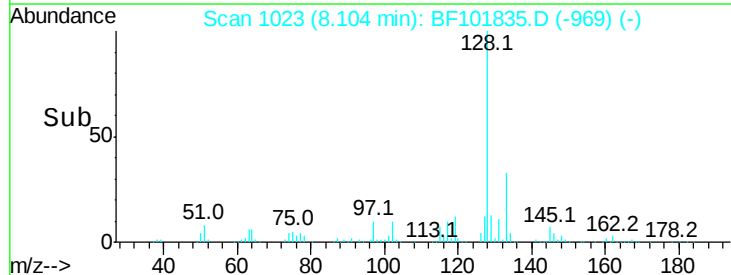
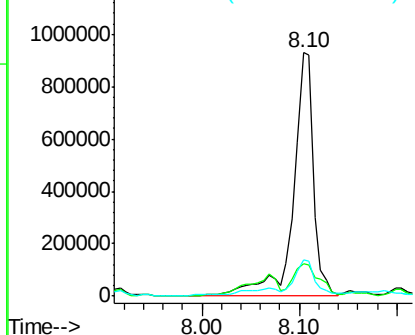


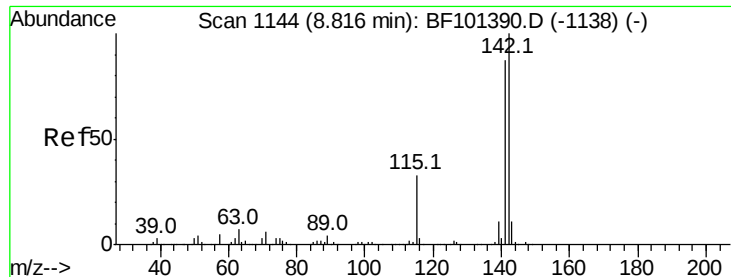
#31
Naphthalene
Concen: 93.167 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.02 min
Lab File: BF101835.D
Acq: 29 Dec 2017 18:00

Tgt Ion:128 Resp: 1334356
Ion Ratio Lower Upper
128 100
129 13.3 8.8 13.2#
127 14.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1





#37

2-Methylnaphthalene

Concen: 225.319 ng

RT: 8.82 min Scan# 1144

Delta R.T. 0.04 min

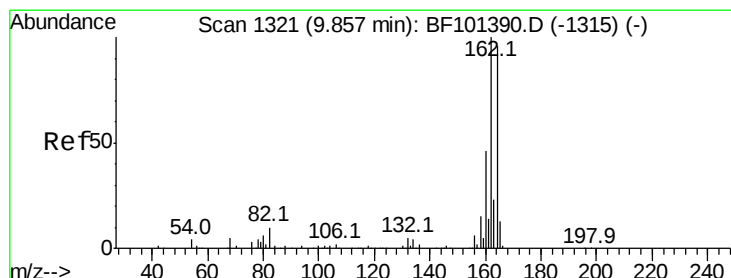
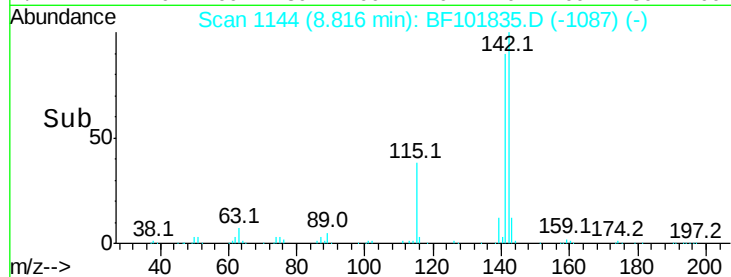
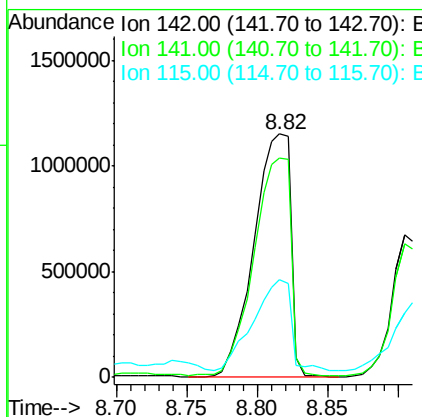
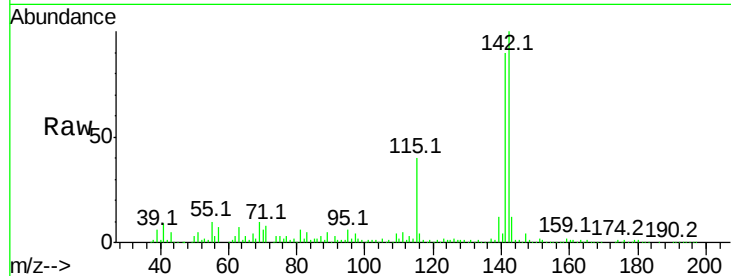
Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

Instrument :
BNA_F
ClientSampleID :
LB-6

Tot Ion:142 Resp: 2102488

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	40.0	26.1	39.1#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

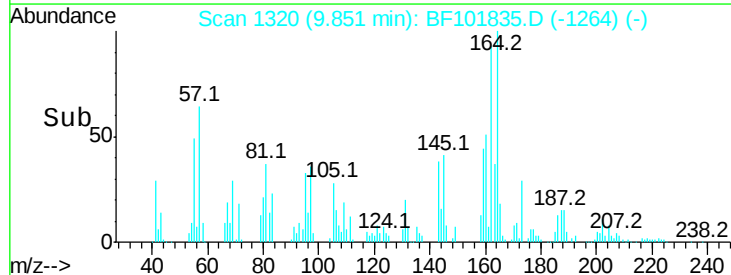
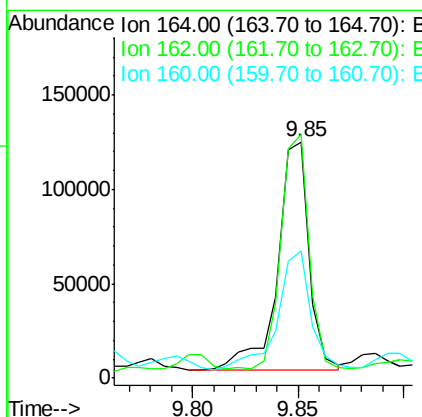
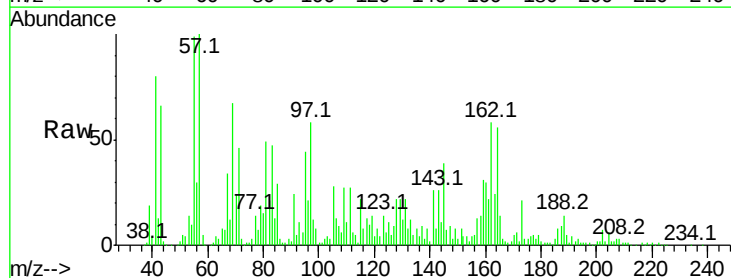
Delta R.T. 0.03 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

Tgt Ion:164 Resp: 125873

Ion	Ratio	Lower	Upper
164	100		
162	103.2	86.1	129.1
160	54.1	38.3	57.5

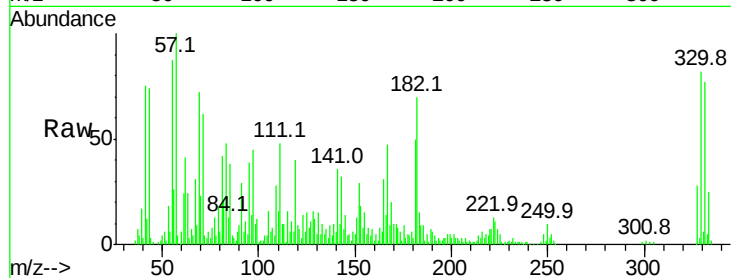




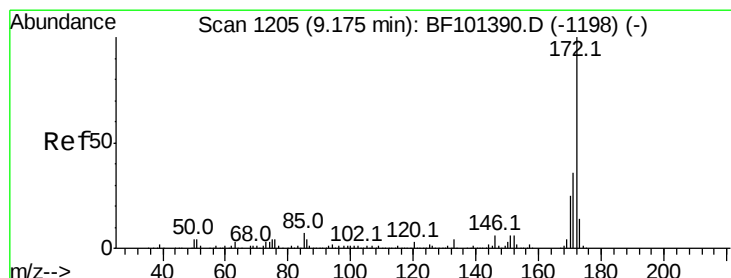
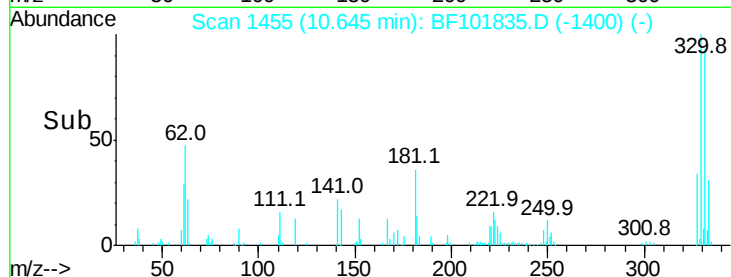
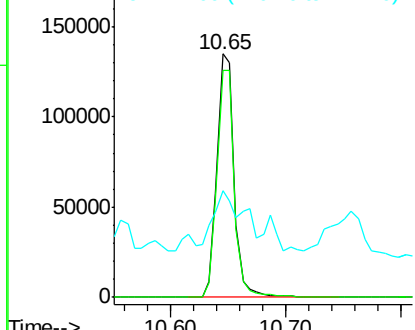
#41
 2,4,6-Tribromophenol
 Concen: 114.991 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.02 min
 Lab File: BF101835.D
 Acq: 29 Dec 2017 18:00

Instrument :
 BNA_F
 ClientSampleId :
 LB-6

Tot Ion:330 Resp: 139471
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 39.4 29.9 44.9

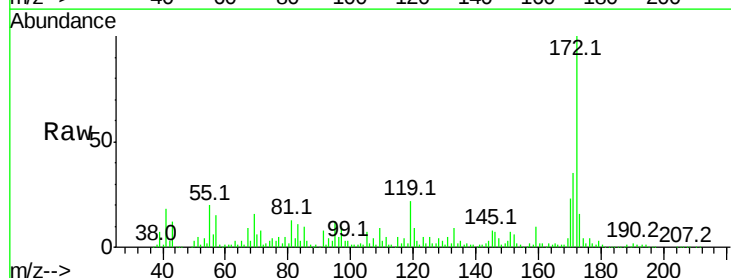


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

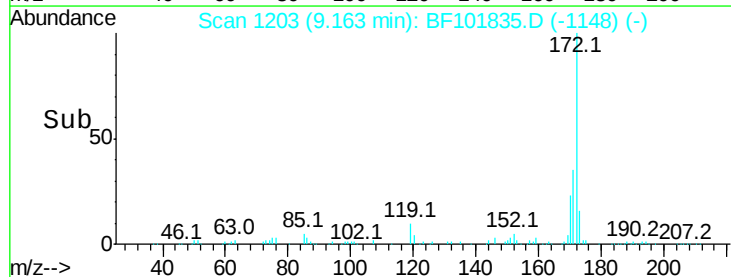
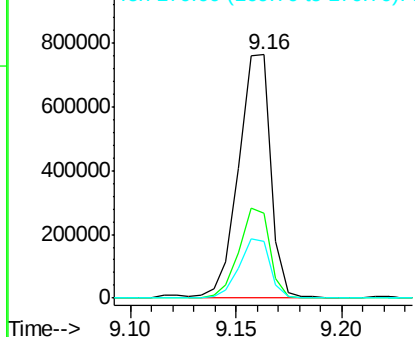


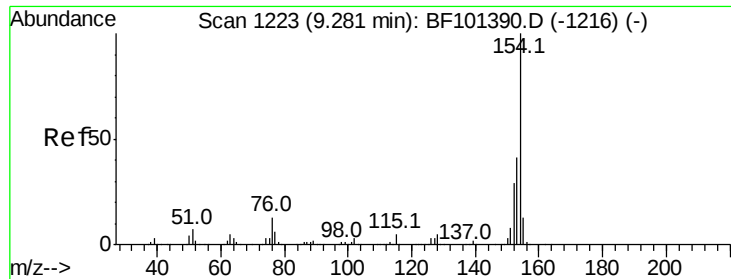
#44
 2-Fluorobiphenyl
 Concen: 99.007 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.02 min
 Lab File: BF101835.D
 Acq: 29 Dec 2017 18:00

Tgt Ion:172 Resp: 803375
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.4 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





#45

1,1'-Biphenyl

Concen: 32.102 ng

RT: 9.26 min Scan# 1220

Delta R.T. 0.02 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

Instrument :

BNA_F

ClientSampleId :

LB-6

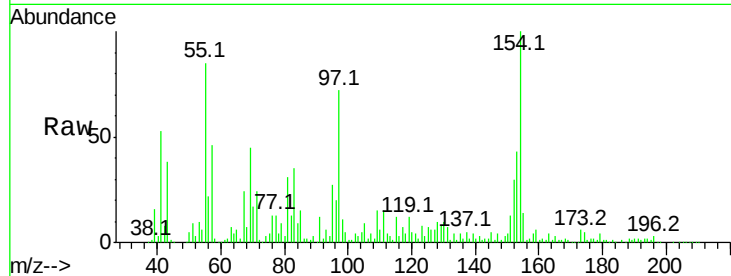
Tot Ion:154 Resp: 358351

Ion Ratio Lower Upper

154 100

153 42.6 21.3 61.3

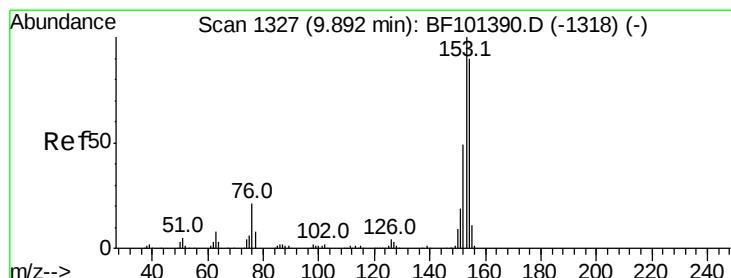
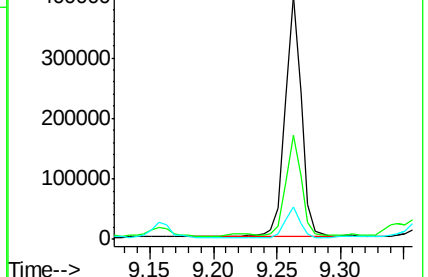
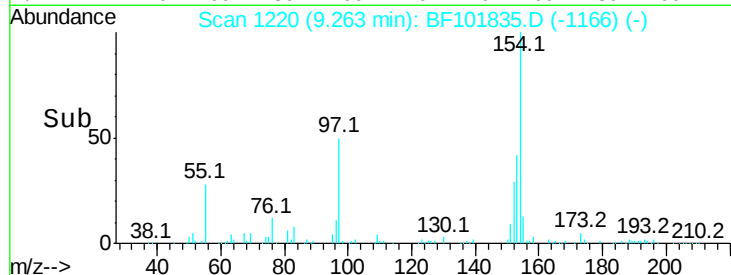
76 13.2 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#51

Acenaphthene

Concen: 11.340 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.02 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

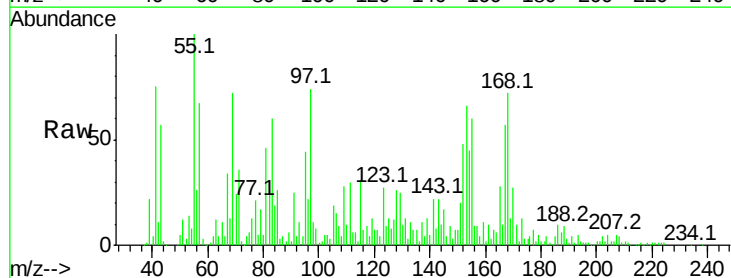
Tgt Ion:154 Resp: 91917

Ion Ratio Lower Upper

154 100

153 148.8 91.2 136.8#

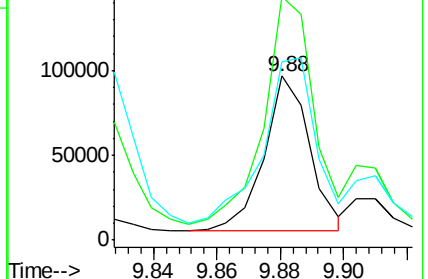
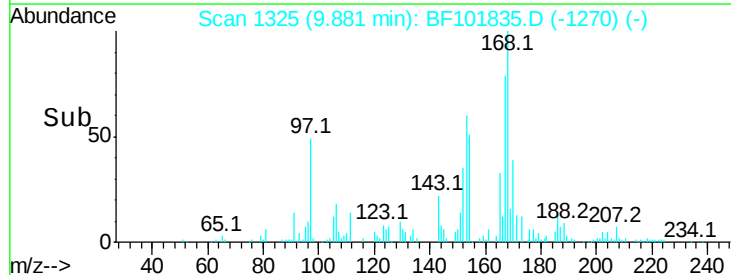
152 108.7 43.8 65.8#

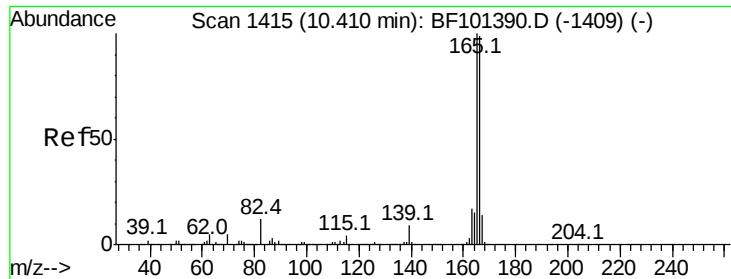


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 26.520 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.02 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

Instrument :

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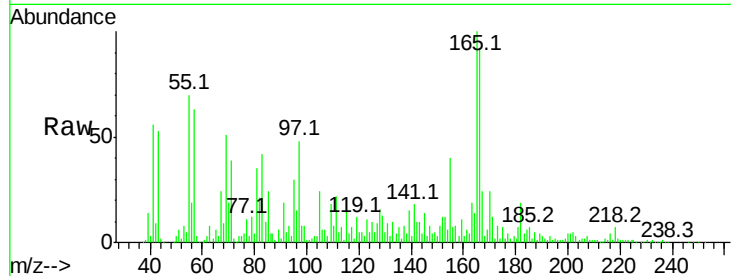
Tot Ion:166 Resp: 231090

Ion Ratio Lower Upper

166 100

165 108.1 79.8 119.8

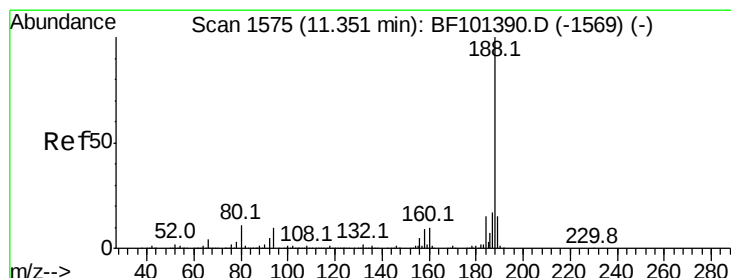
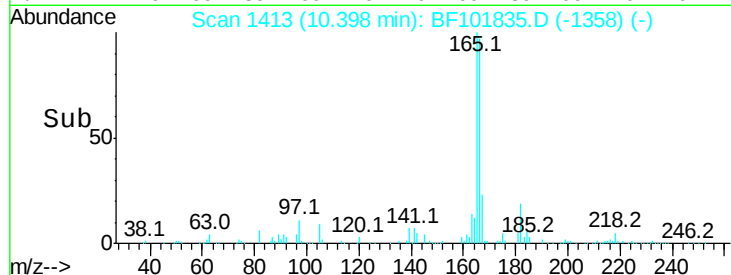
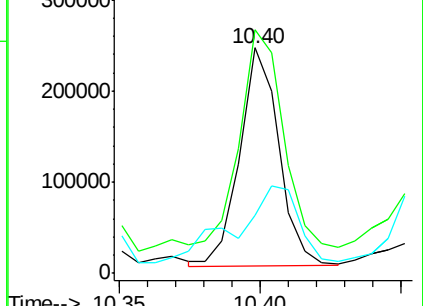
167 25.5 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.02 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

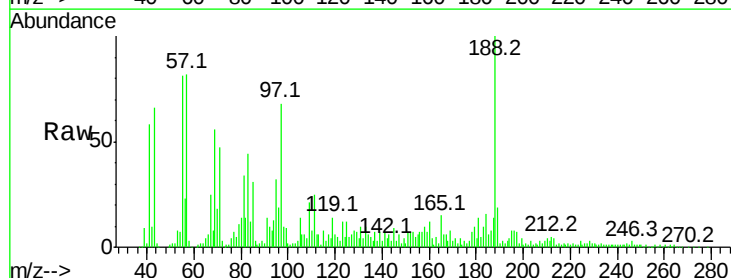
Tgt Ion:188 Resp: 201318

Ion Ratio Lower Upper

188 100

94 13.5 8.5 12.7#

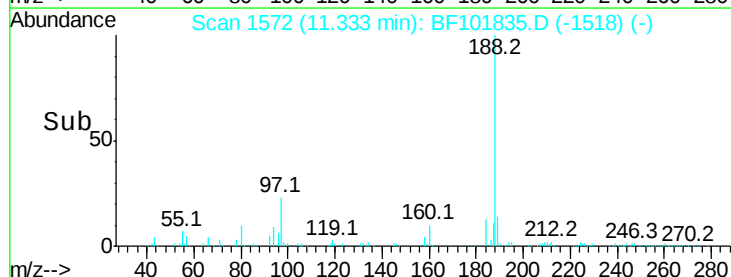
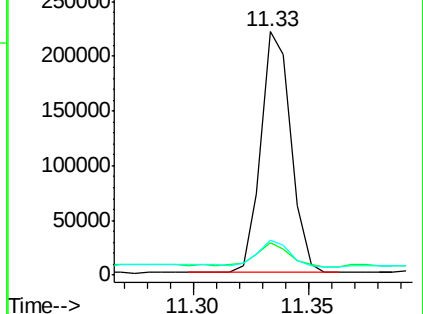
80 14.5 9.2 13.8#

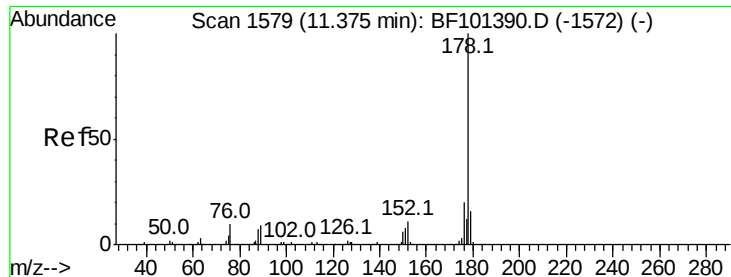


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 55.888 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.02 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

Instrument :

BNA_F

ClientSampleId :

LB-6

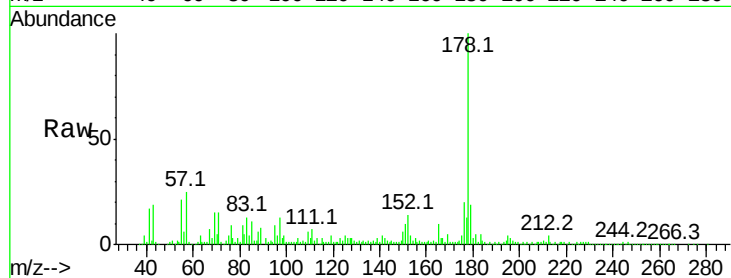
Tot Ion:178 Resp: 625702

Ion Ratio Lower Upper

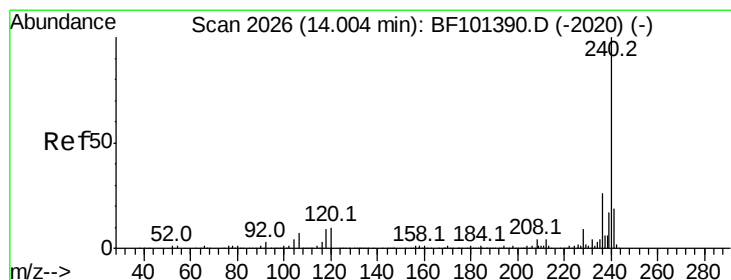
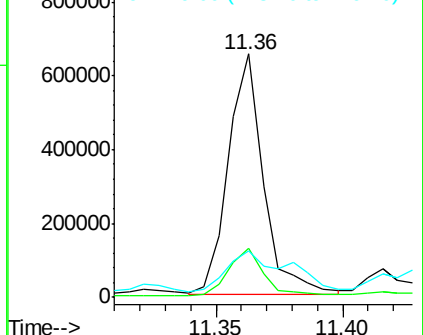
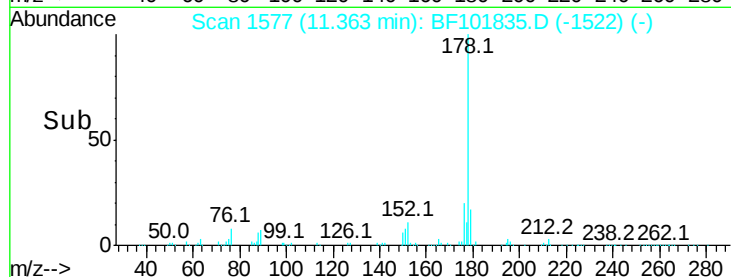
178 100

176 20.3 15.8 23.8

179 19.2 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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

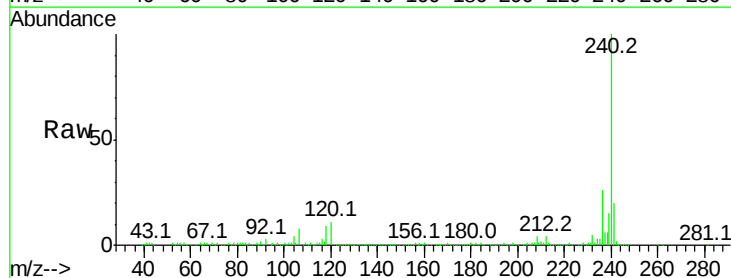
Tgt Ion:240 Resp: 284401

Ion Ratio Lower Upper

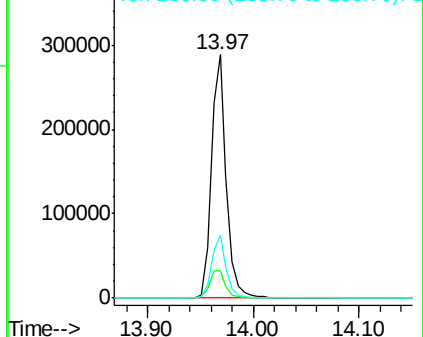
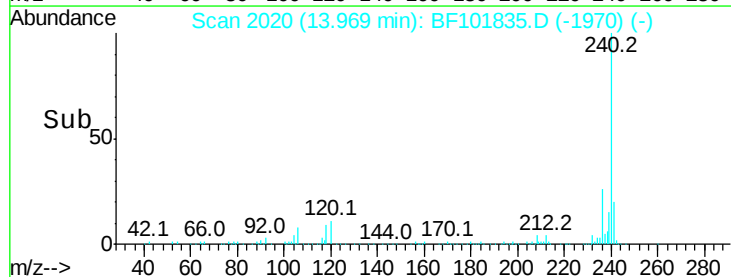
240 100

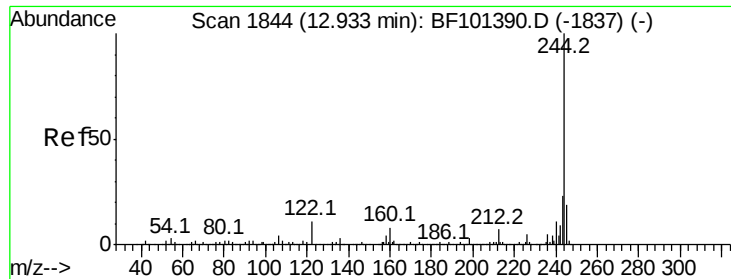
120 11.2 9.5 14.3

236 26.1 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





#78

Terphenyl-d14

Concen: 72.536 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

Instrument :

BNA_F

ClientSampleId :

LB-6

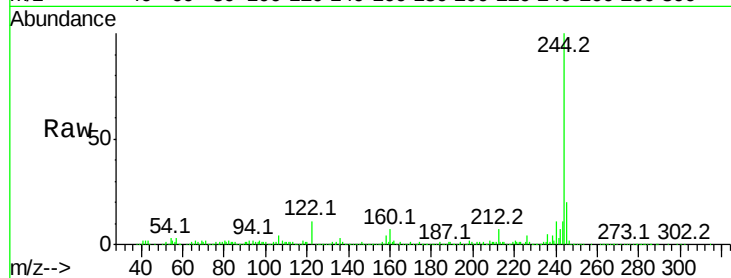
Tot Ion:244 Resp: 855718

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

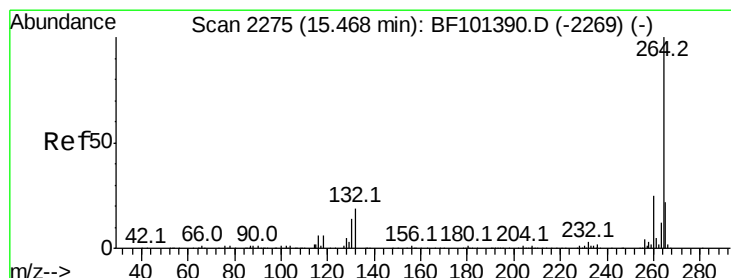
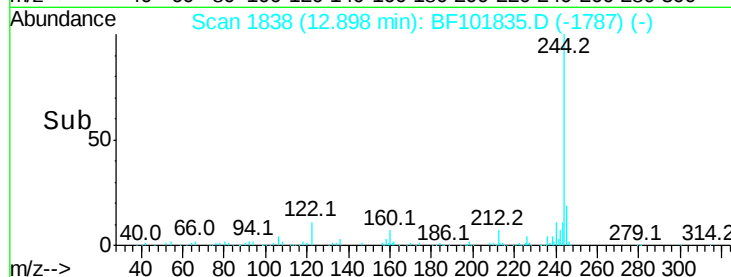
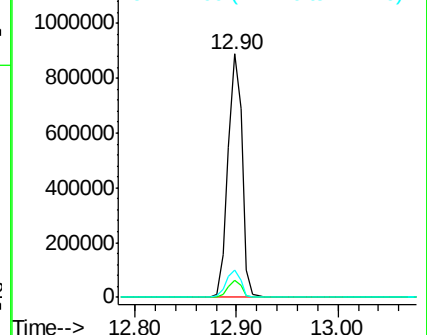
122 11.0 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF101835.D

Acq: 29 Dec 2017 18:00

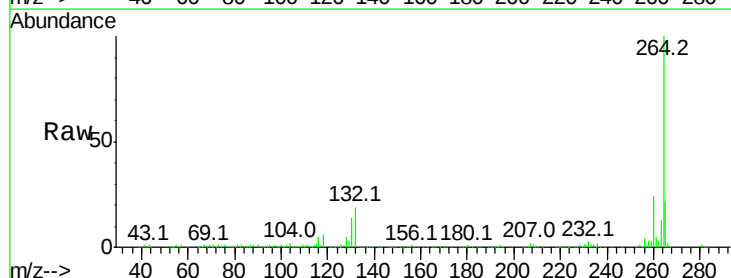
Tgt Ion:264 Resp: 302732

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.0 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

