

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101830.D
 Acq On : 29 Dec 2017 15:42
 Operator : SJ/JU
 Sample : I7023-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LB-DUP

Quant Time: Dec 29 17:24:18 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

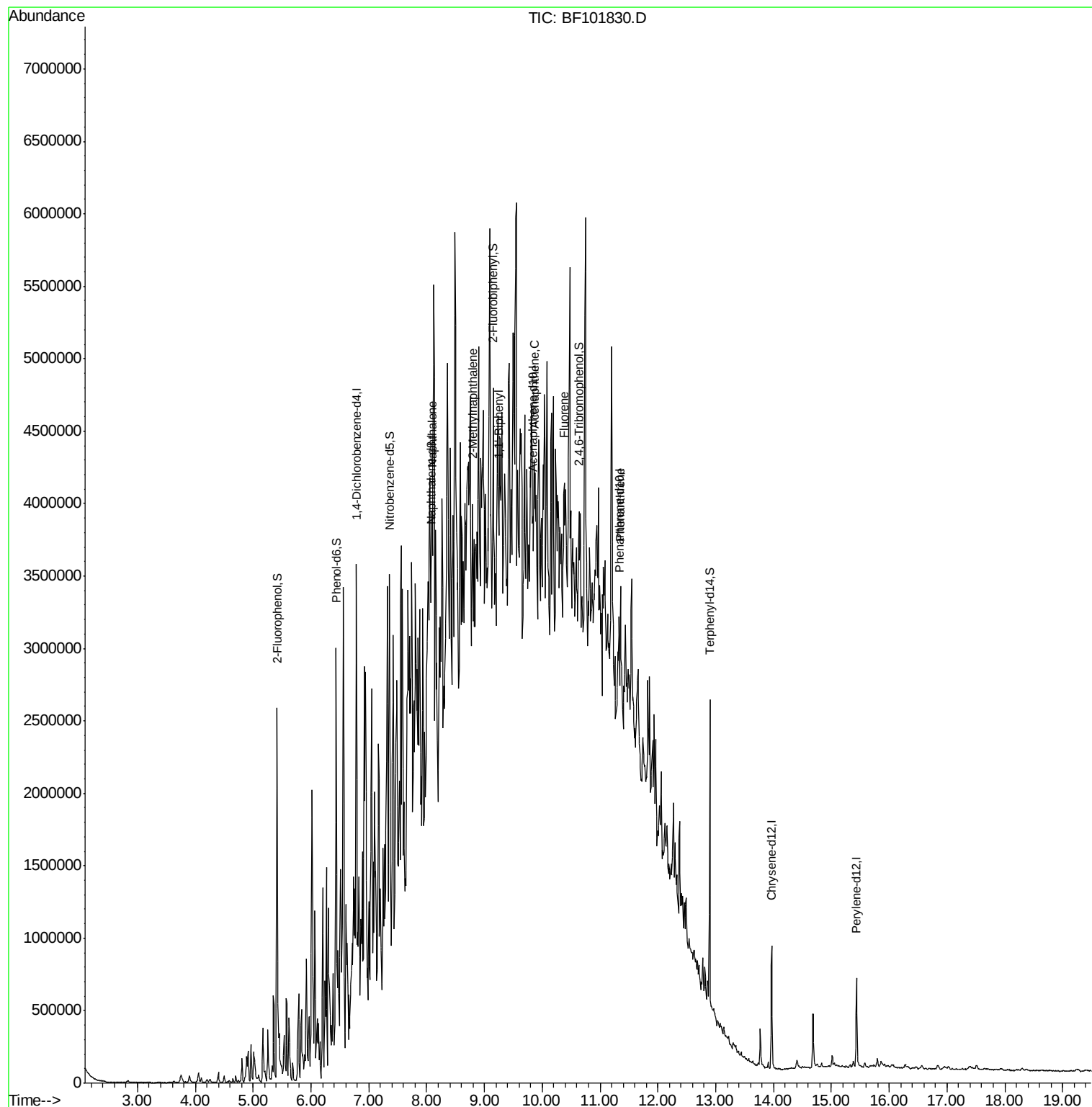
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	117582	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	378566	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	154773	20.00	ng	0.02
63) Phenanthrene-d10	11.33	188	246744	20.00	ng	0.01
75) Chrysene-d12	13.97	240	294394	20.00	ng	0.00
86) Perylene-d12	15.44	264	316220	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1036346	131.29	ng	0.00
7) Phenol-d6	6.43	99	1163533	118.44	ng	0.00
23) Nitrobenzene-d5	7.36	82	652571	95.96	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	163998	109.97	ng	0.02
44) 2-Fluorobiphenyl	9.15	172	822788	82.47	ng	0.01
78) Terphenyl-d14	12.90	244	754868	61.82	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	200065	10.497	ng	Qvalue # 84
37) 2-Methylnaphthalene	8.79	142	493326	39.730	ng	97
45) 1,1'-Biphenyl	9.25	154	218934	15.950	ng	100
51) Acenaphthene	9.87	154	64791	6.501	ng	# 59
57) Fluorene	10.39	166	154237	14.395	ng	# 89
70) Phenanthrene	11.35	178	401115	29.232	ng	97

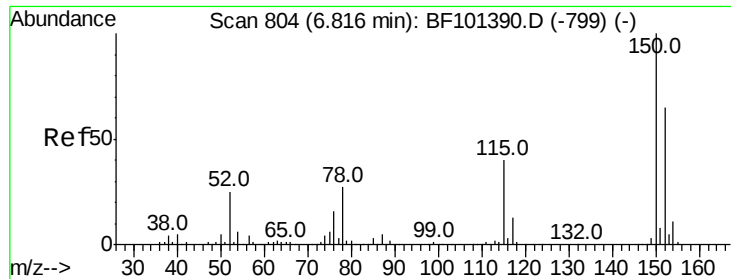
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
Data File : BF101830.D
Acq On : 29 Dec 2017 15:42
Operator : SJ/JU
Sample : I7023-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LB-DUP

Quant Time: Dec 29 17:24:18 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



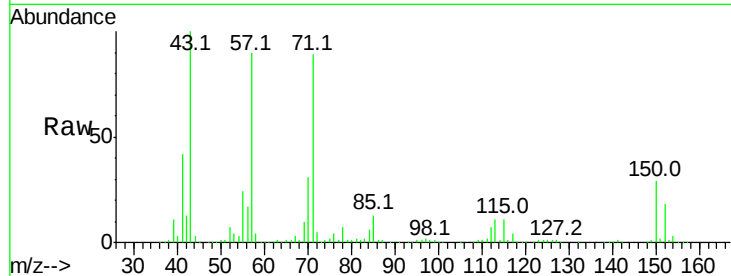


#1

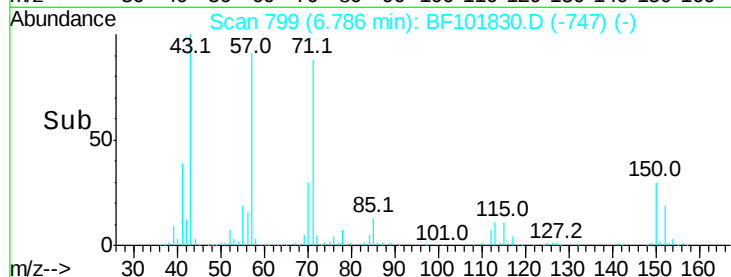
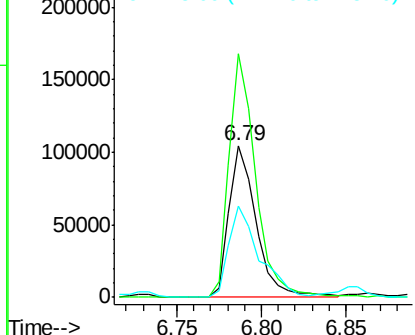
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF101830.D
Acq: 29 Dec 2017 15:42

Instrument :
BNA_F
ClientSampleId :
LB-DUP

Tot Ion:152 Resp: 117582
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 60.1 50.1 75.1



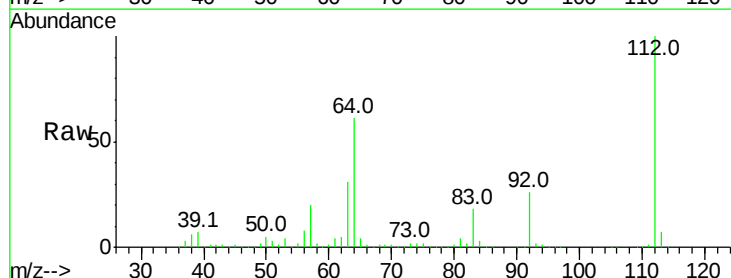
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



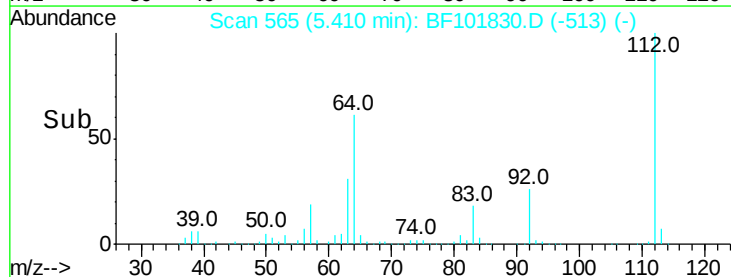
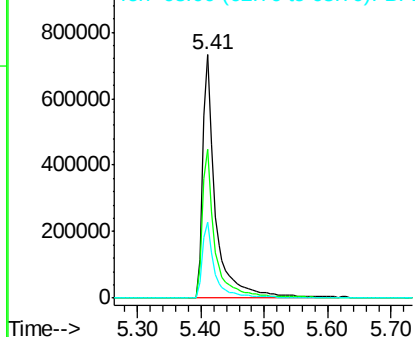
#5

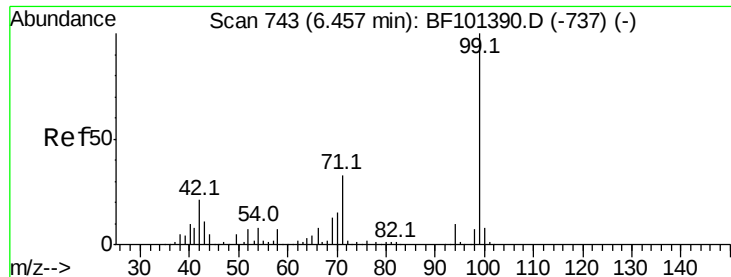
2-Fluorophenol
Concen: 131.289 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101830.D
Acq: 29 Dec 2017 15:42

Tgt Ion:112 Resp: 1036346
Ion Ratio Lower Upper
112 100
64 61.2 47.9 71.9
63 30.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 118.439 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101830.D

Acq: 29 Dec 2017 15:42

Instrument :

BNA_F

ClientSampleId :

LB-DUP

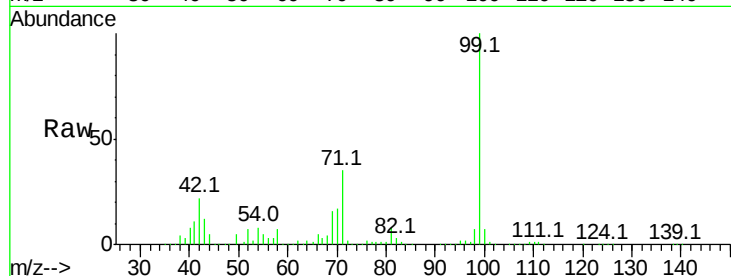
Tot Ion: 99 Resp: 1163533

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

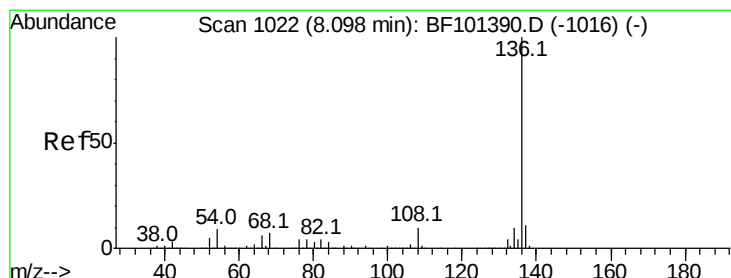
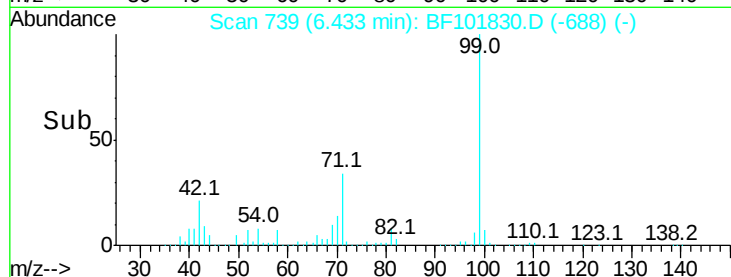
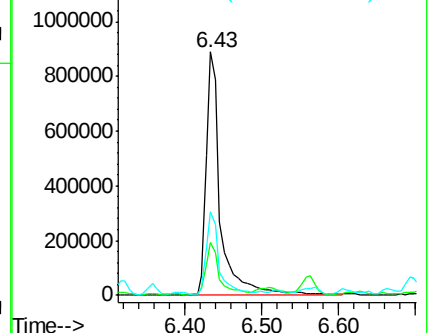
71 34.5 25.4 38.0



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: 8.07 min Scan# 1018

Delta R.T. 0.01 min

Lab File: BF101830.D

Acq: 29 Dec 2017 15:42

Tgt Ion: 136 Resp: 378566

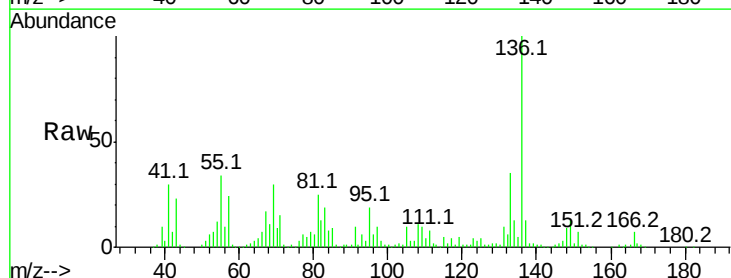
Ion Ratio Lower Upper

136 100

137 12.9 8.9 13.3

54 11.8 6.6 9.8#

68 11.4 5.0 7.4#

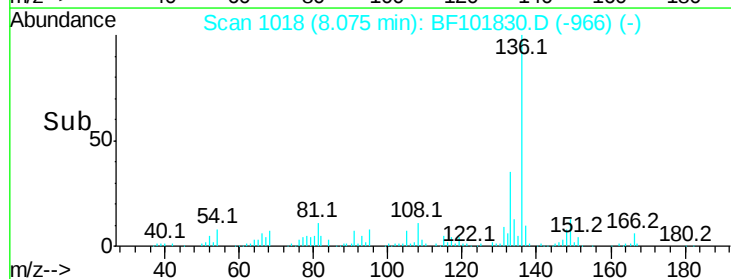
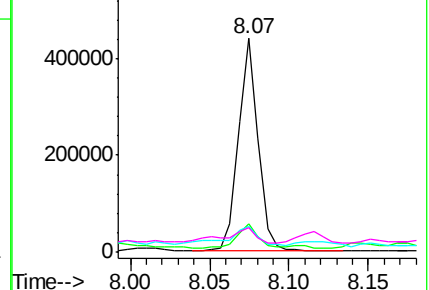


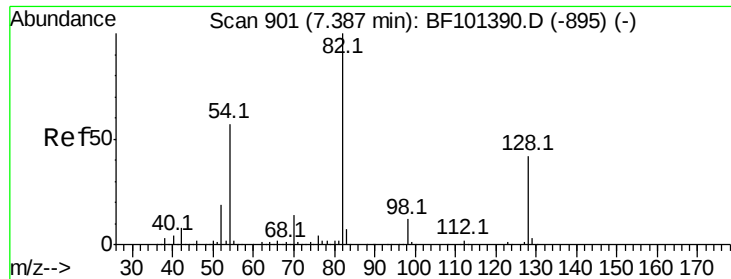
Abundance Ion 136.00 (135.70 to 136.70): E

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

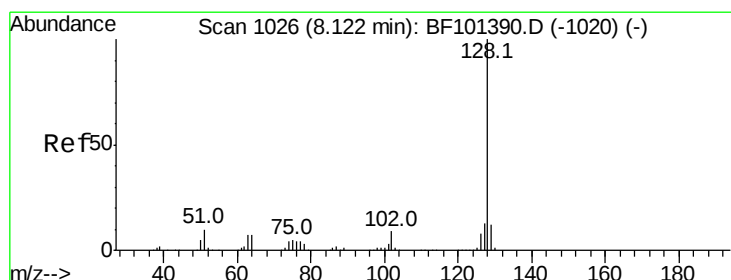
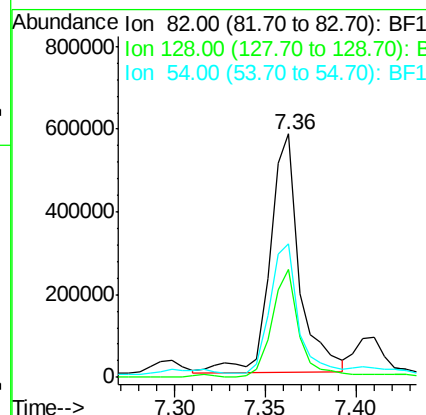
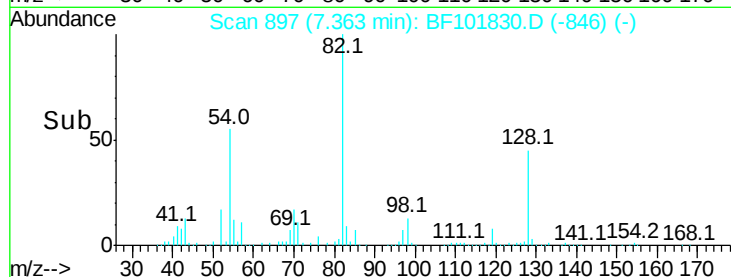
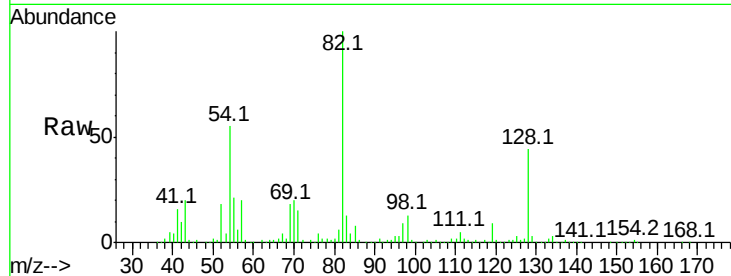




#23
Nitrobenzene-d5
Concen: 95.957 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101830.D
Acq: 29 Dec 2017 15:42

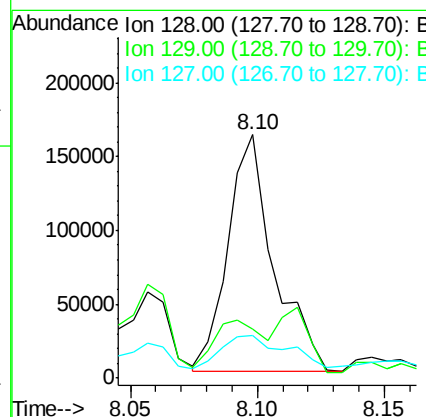
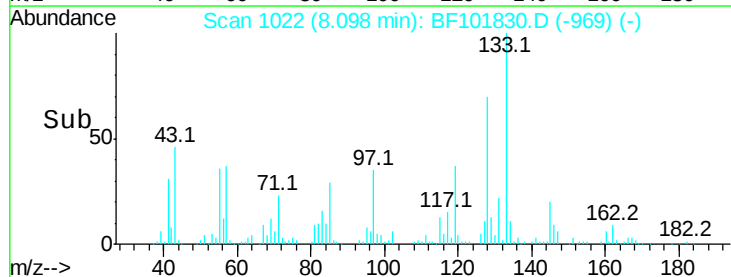
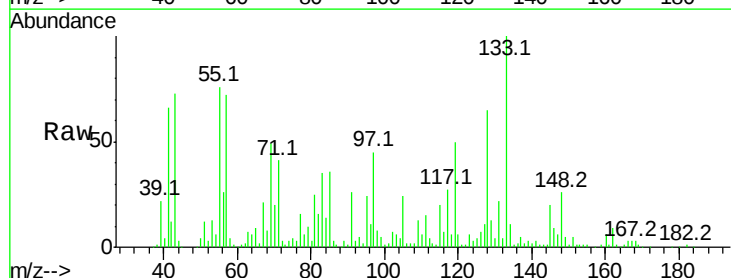
Instrument :
BNA_F
ClientSampleId :
LB-DUP

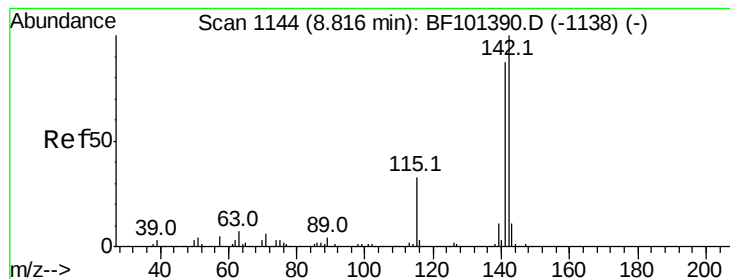
Tot Ion: 82 Resp: 652571
Ion Ratio Lower Upper
82 100
128 44.5 36.1 54.1
54 54.8 41.4 62.2



#31
Naphthalene
Concen: 10.497 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF101830.D
Acq: 29 Dec 2017 15:42

Tgt Ion: 128 Resp: 200065
Ion Ratio Lower Upper
128 100
129 20.0 8.8 13.2#
127 17.4 10.9 16.3#

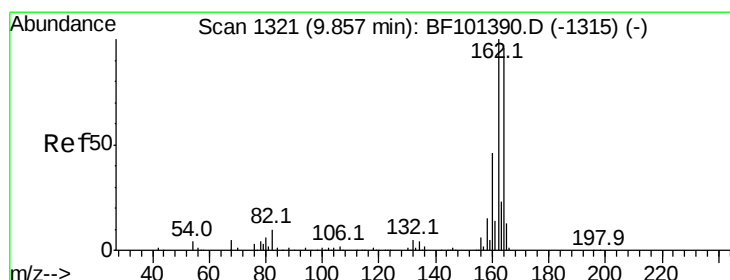
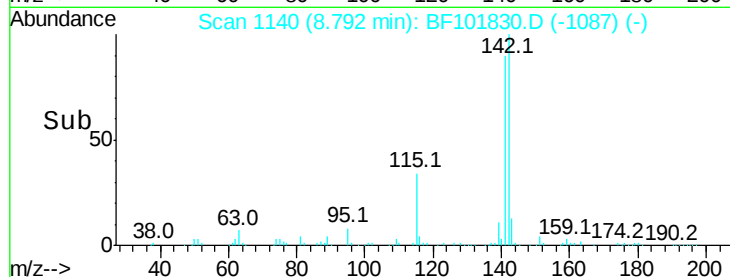
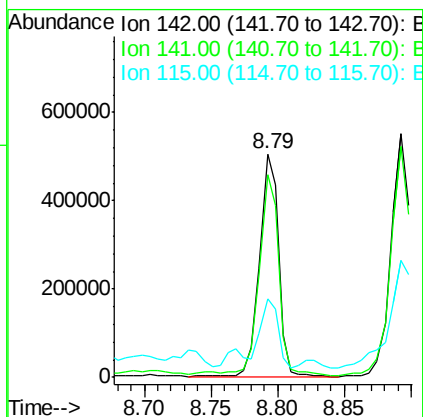
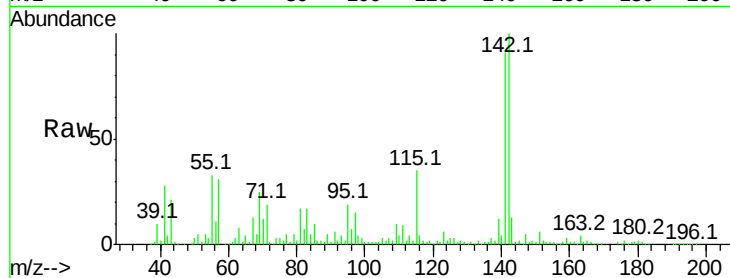




#37
2-Methylnaphthalene
Concen: 39.730 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BF101830.D
Acq: 29 Dec 2017 15:42

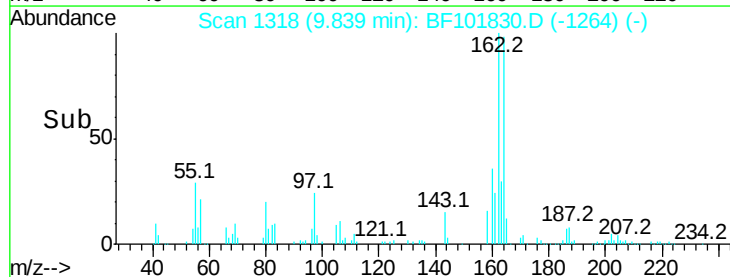
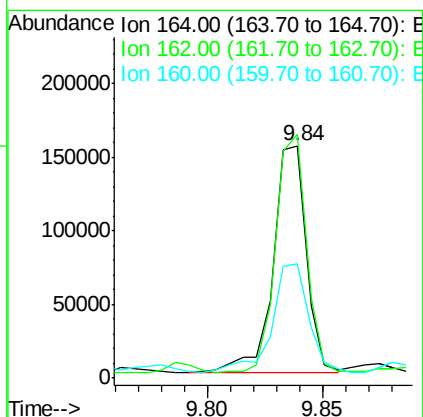
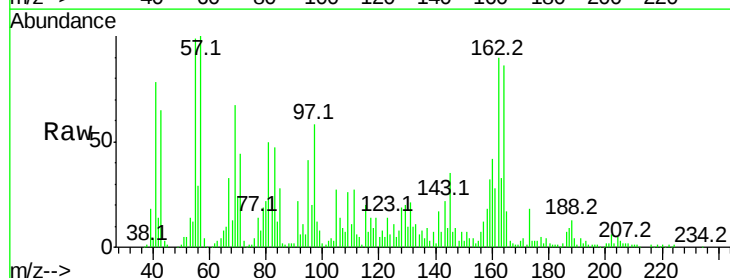
Instrument :
BNA_F
ClientSampleId :
LB-DUP

Tot Ion:142 Resp: 493326
Ion Ratio Lower Upper
142 100
141 90.8 70.8 106.2
115 35.4 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.02 min
Lab File: BF101830.D
Acq: 29 Dec 2017 15:42

Tgt Ion:164 Resp: 154773
Ion Ratio Lower Upper
164 100
162 104.6 86.1 129.1
160 49.2 38.3 57.5

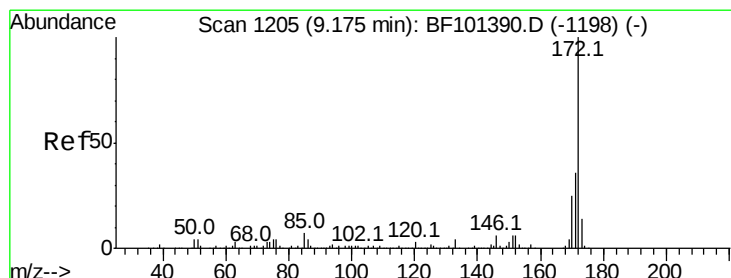
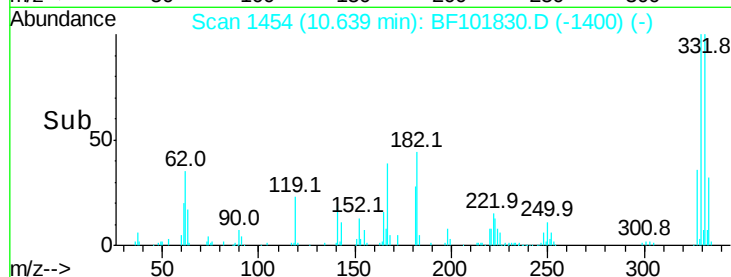
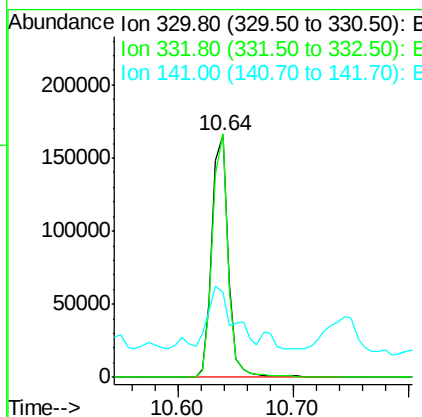
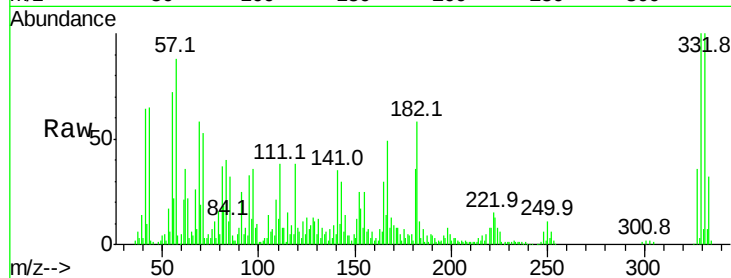




#41
 2,4,6-Tribromophenol
 Concen: 109.965 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.02 min
 Lab File: BF101830.D
 Acq: 29 Dec 2017 15:42

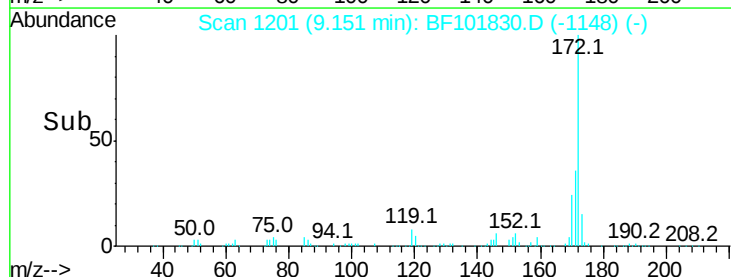
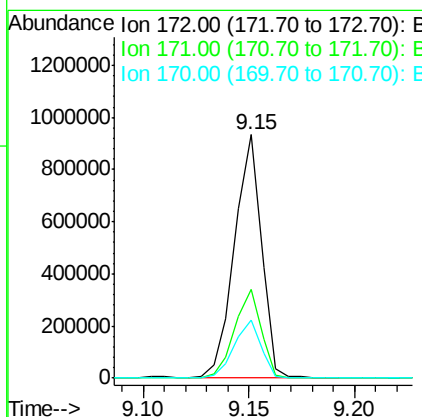
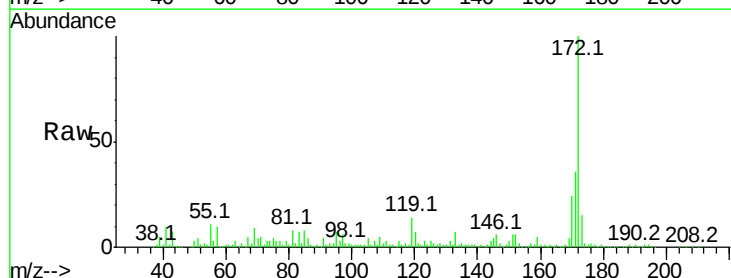
Instrument :
 BNA_F
 ClientSampleId :
 LB-DUP

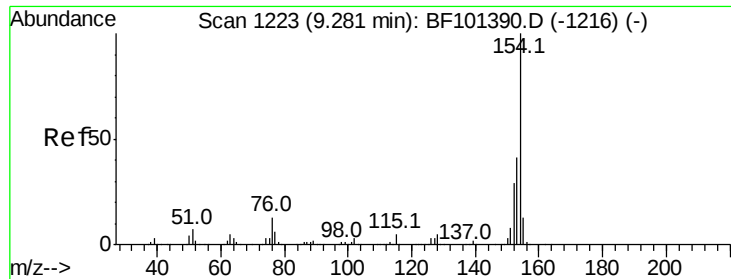
Tot Ion:330 Resp: 163998
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 34.4 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 82.465 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: BF101830.D
 Acq: 29 Dec 2017 15:42

Tgt Ion:172 Resp: 822788
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.1 19.6 29.4





#45

1,1'-Biphenyl

Concen: 15.950 ng

RT: 9.25 min Scan# 1218

Delta R.T. 0.01 min

Lab File: BF101830.D

Acq: 29 Dec 2017 15:42

Instrument :

BNA_F

ClientSampled :

LB-DUP

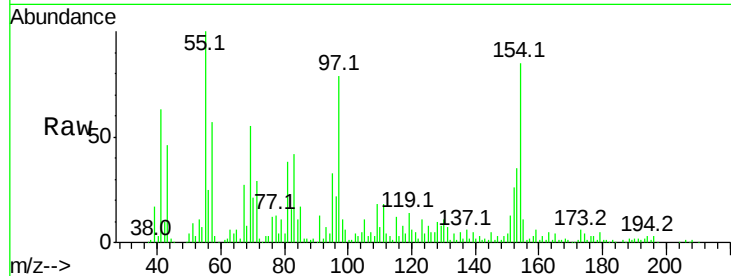
Tot Ion:154 Resp: 218934

Ion Ratio Lower Upper

154 100

153 41.4 21.3 61.3

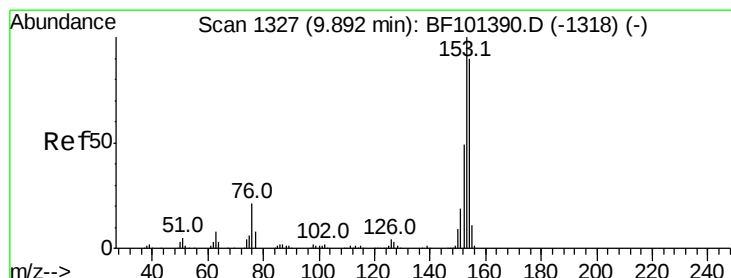
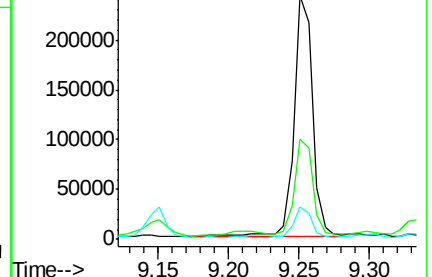
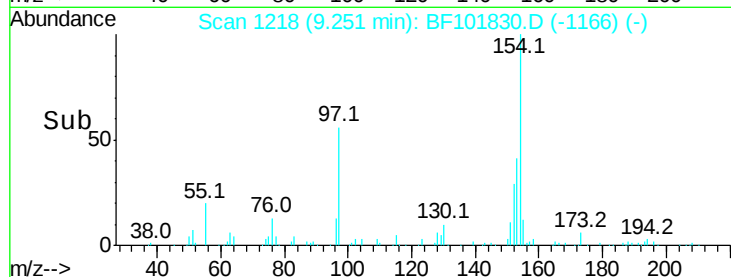
76 13.6 0.0 34.0



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: 6.501 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF101830.D

Acq: 29 Dec 2017 15:42

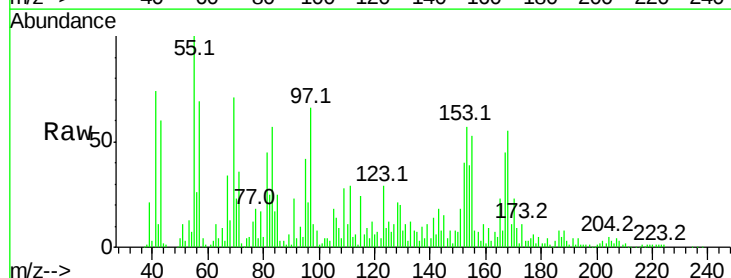
Tgt Ion:154 Resp: 64791

Ion Ratio Lower Upper

154 100

153 145.9 91.2 136.8#

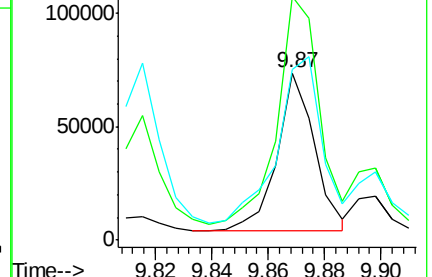
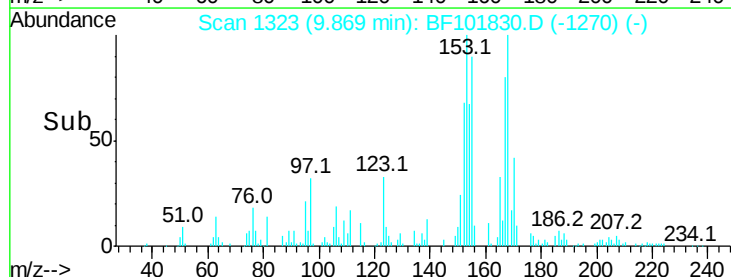
152 102.0 43.8 65.8#

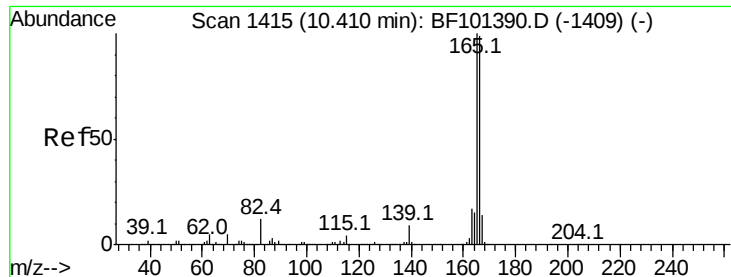


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 14.395 ng

RT: 10.39 min Scan# 1411

Delta R.T. 0.01 min

Lab File: BF101830.D

Acq: 29 Dec 2017 15:42

Instrument :

BNA_F

ClientSampleID :

LB-DUP

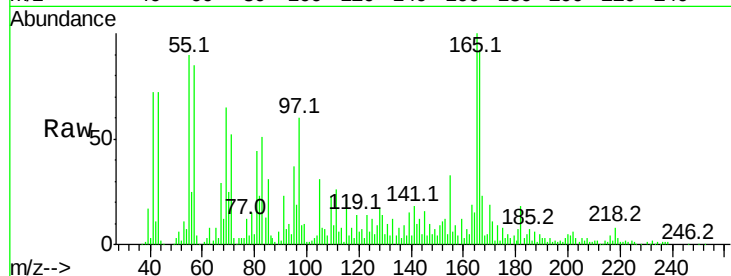
Tot Ion:166 Resp: 154237

Ion Ratio Lower Upper

166 100

165 108.5 79.8 119.8

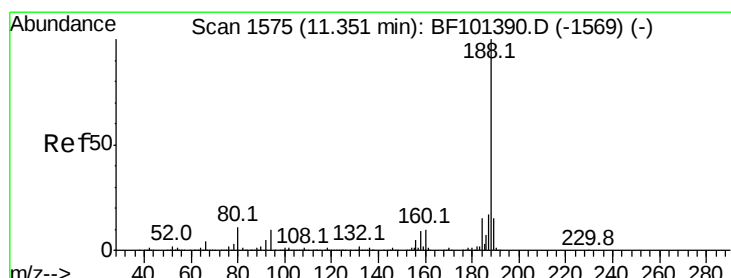
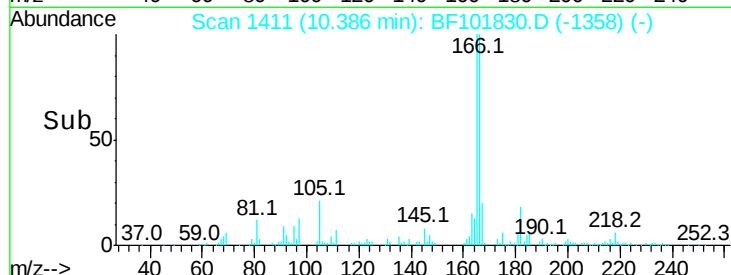
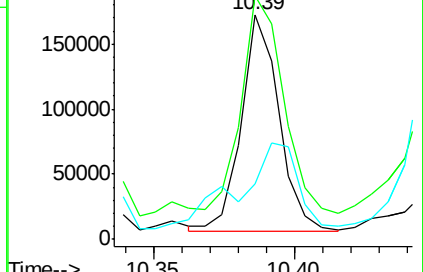
167 24.8 10.6 16.0#



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# 1571

Delta R.T. 0.01 min

Lab File: BF101830.D

Acq: 29 Dec 2017 15:42

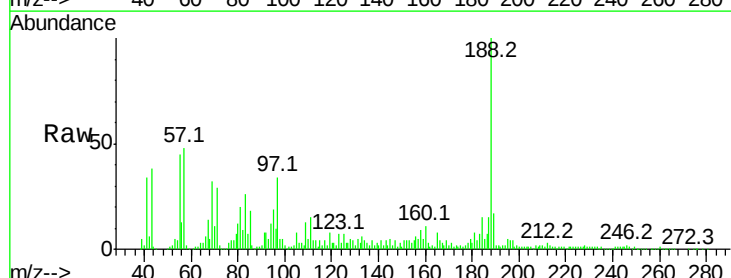
Tgt Ion:188 Resp: 246744

Ion Ratio Lower Upper

188 100

94 11.8 8.5 12.7

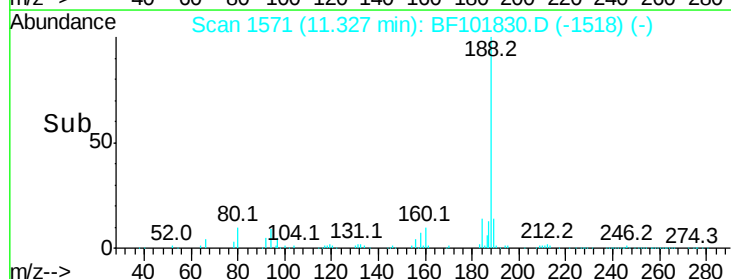
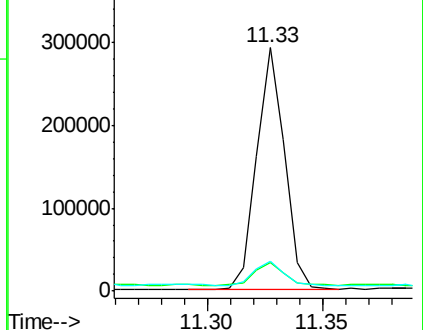
80 12.3 9.2 13.8

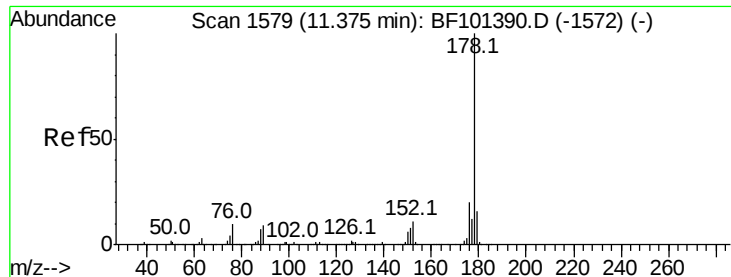


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 29.232 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF101830.D

Acq: 29 Dec 2017 15:42

Instrument :

BNA_F

ClientSampleId :

LB-DUP

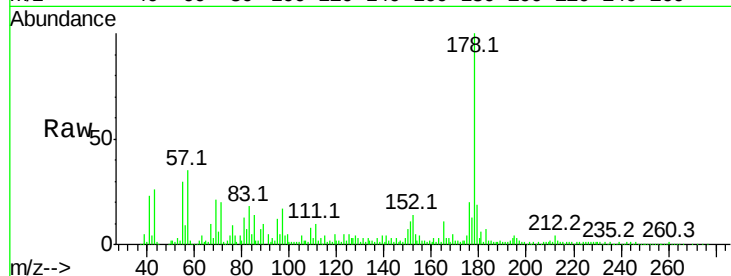
Tot Ion:178 Resp: 401115

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

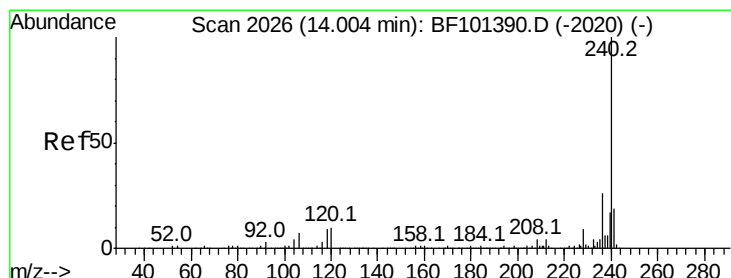
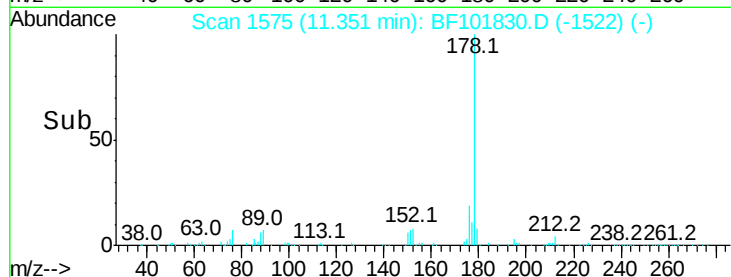
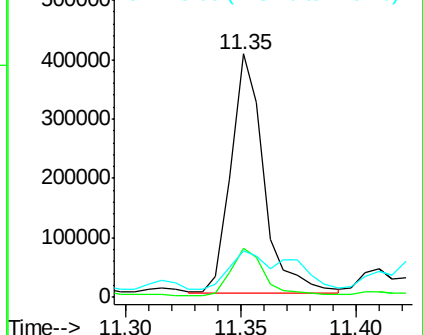
179 18.9 13.0 19.6



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101830.D

Acq: 29 Dec 2017 15:42

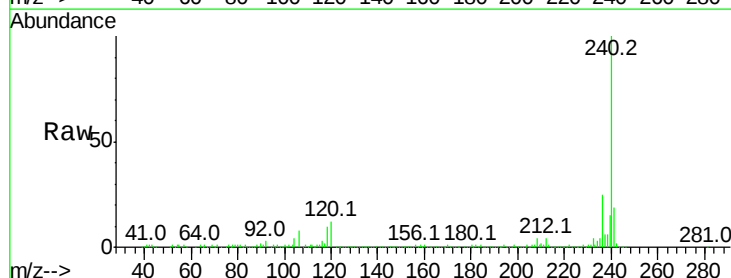
Tgt Ion:240 Resp: 294394

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

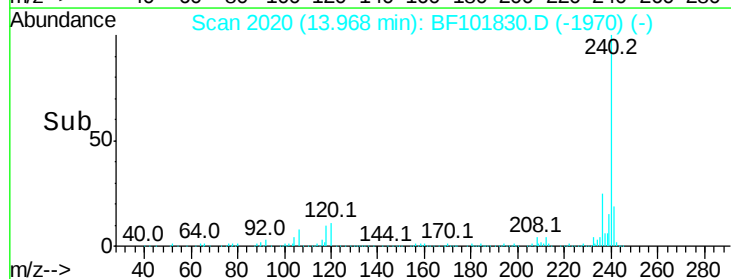
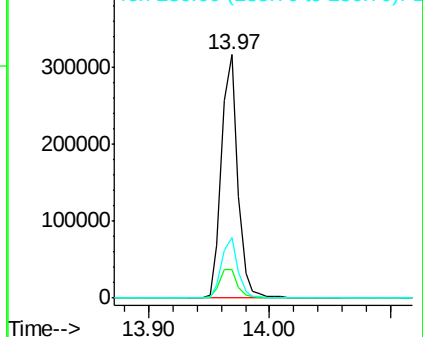
236 25.0 20.7 31.1

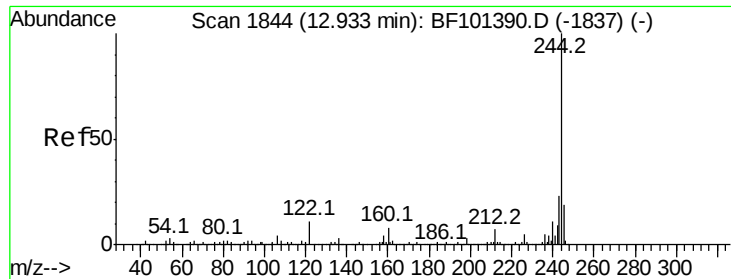


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 61.816 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF101830.D

Acq: 29 Dec 2017 15:42

Instrument :

BNA_F

ClientSampled :

LB-DUP

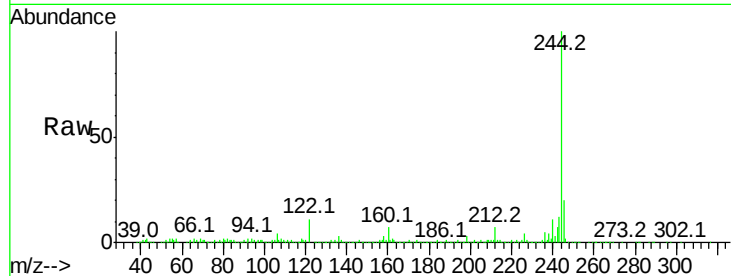
Tot Ion:244 Resp: 754868

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

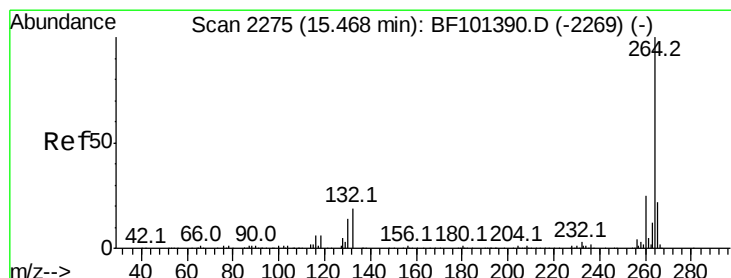
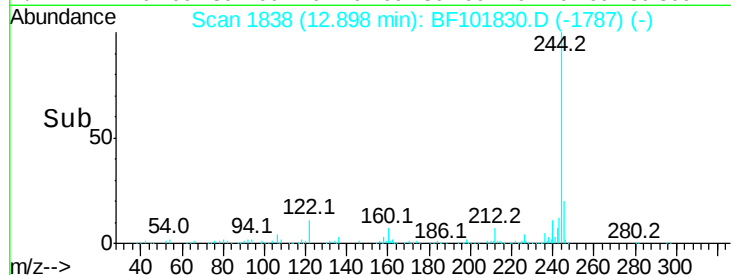
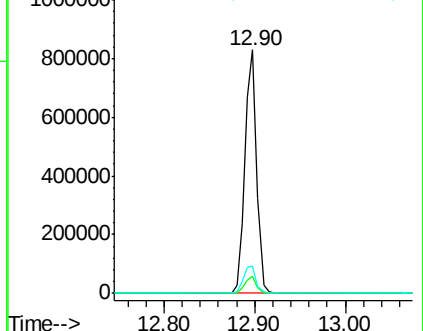
122 11.0 11.0 16.4



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: BF101830.D

Acq: 29 Dec 2017 15:42

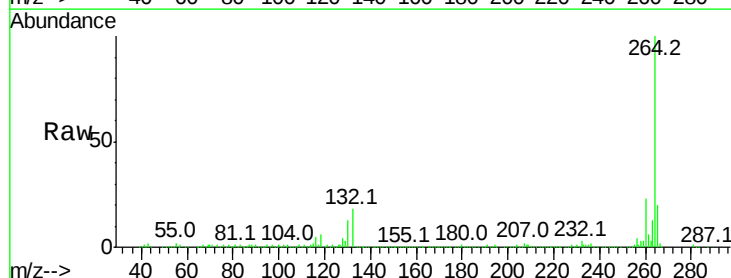
Tgt Ion:264 Resp: 316220

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 20.4 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

