

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101831.D
 Acq On : 29 Dec 2017 16:12
 Operator : SJ/JU
 Sample : I7023-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LB-4

Quant Time: Dec 29 17:49:11 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

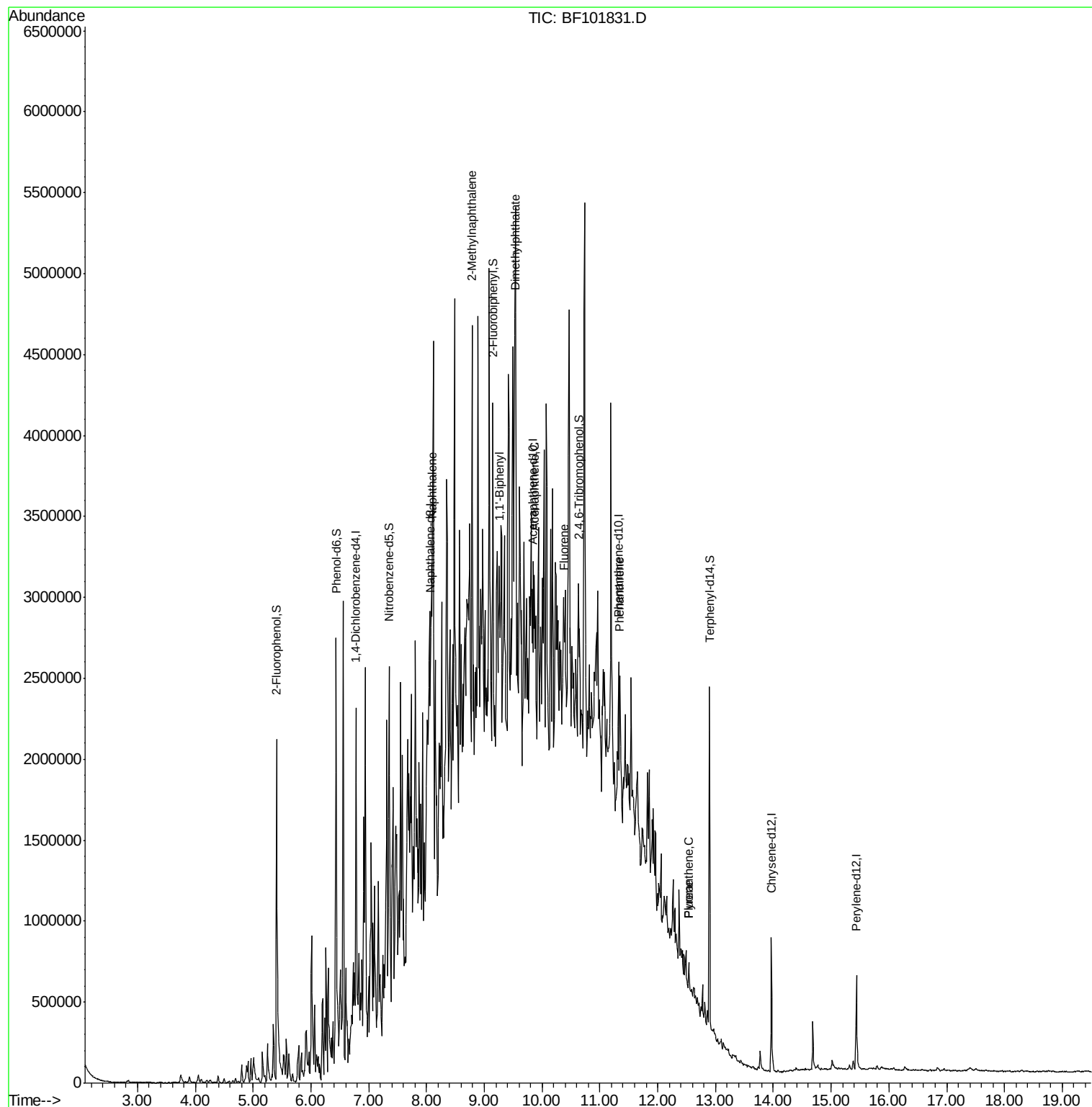
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	139621	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	466301	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	199732	20.00	ng	0.01
63) Phenanthrene-d10	11.32	188	321279	20.00	ng	0.00
75) Chrysene-d12	13.97	240	293218	20.00	ng	0.00
86) Perylene-d12	15.44	264	295694	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	936060	99.87	ng	0.00
7) Phenol-d6	6.43	99	1102457	94.51	ng	0.00
23) Nitrobenzene-d5	7.36	82	598316	71.43	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	166832	86.69	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	913093	70.92	ng	0.00
78) Terphenyl-d14	12.90	244	755329	62.10	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	541754	23.078	ng	97
37) 2-Methylnaphthalene	8.79	142	1123600	73.464	ng	98
45) 1,1'-Biphenyl	9.25	154	201299	11.364	ng	98
49) Dimethylphthalate	9.54	163	58165	3.620	ng	# 94
51) Acenaphthene	9.86	154	50302	3.911	ng	# 53
57) Fluorene	10.38	166	127867	9.248	ng	# 92
70) Phenanthrene	11.34	178	360303	20.166	ng	97
74) Fluoranthene	12.54	202	61749	3.293	ng	96
77) Pyrene	12.54	202	61778	2.807	ng	96

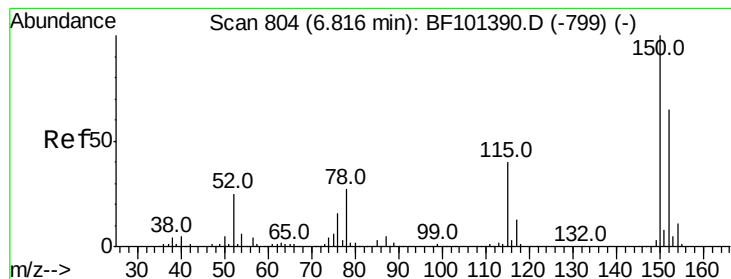
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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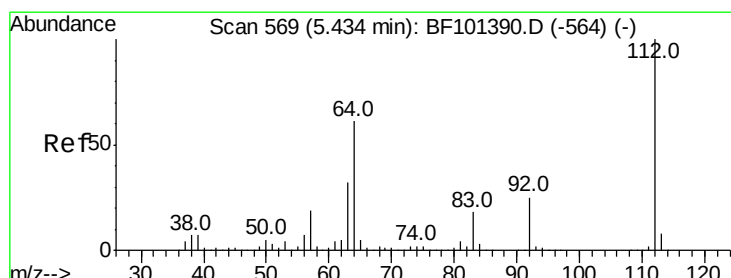
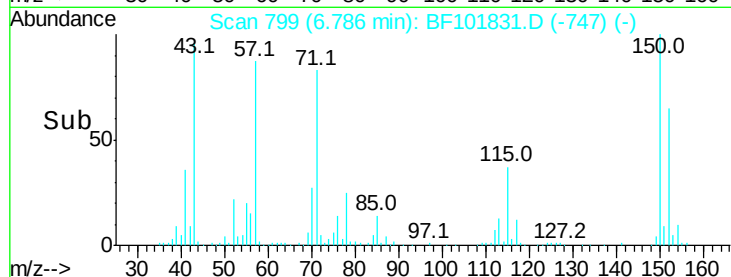
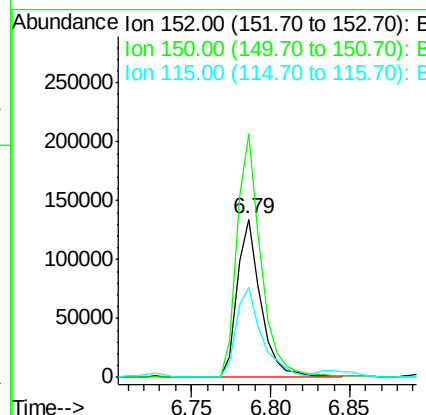
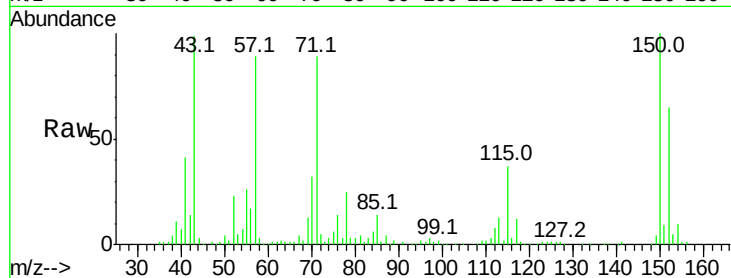


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF101831.D
Acq: 29 Dec 2017 16:12

Instrument :
BNA_F
ClientSampleId :
LB-4

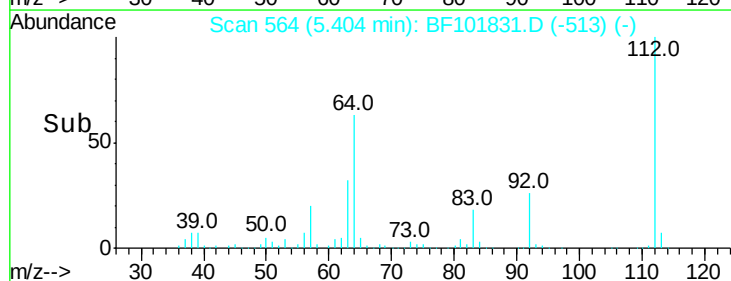
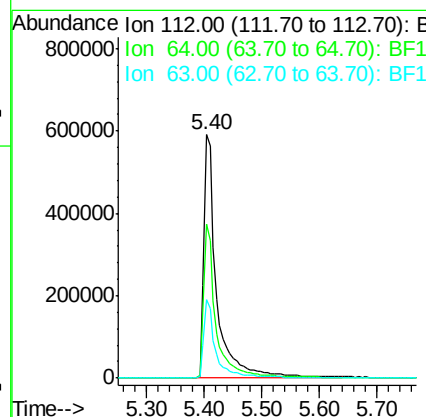
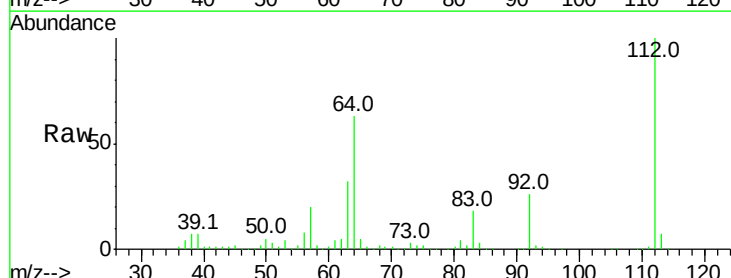
Tot Ion:152 Resp: 139621
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 56.6 50.1 75.1

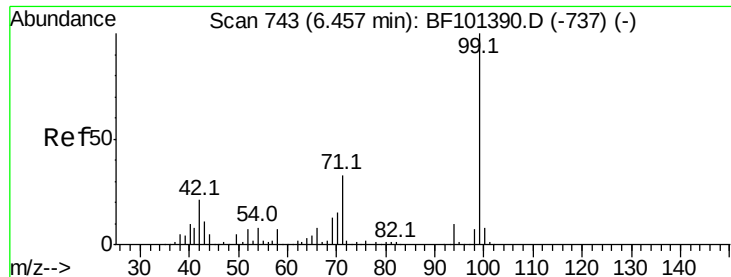


#5

2-Fluorophenol
Concen: 99.866 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101831.D
Acq: 29 Dec 2017 16:12

Tgt Ion:112 Resp: 936060
Ion Ratio Lower Upper
112 100
64 63.1 47.9 71.9
63 32.1 23.7 35.5





#7

Phenol-d6

Concen: 94.507 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

Instrument :

BNA_F

ClientSampleId :

LB-4

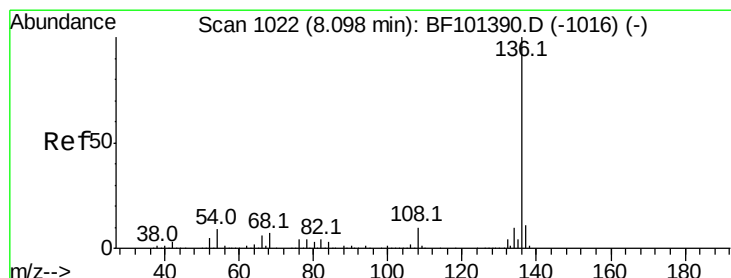
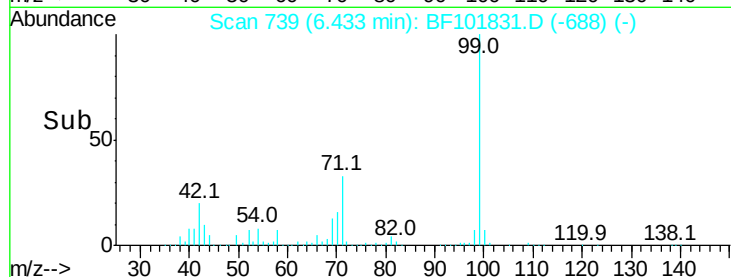
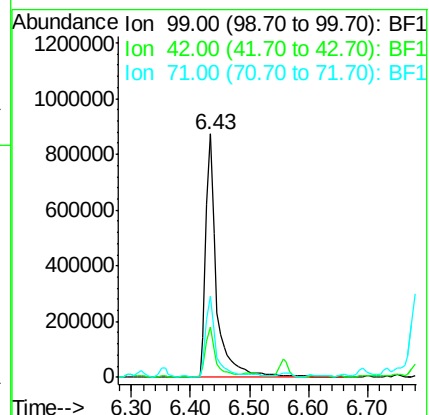
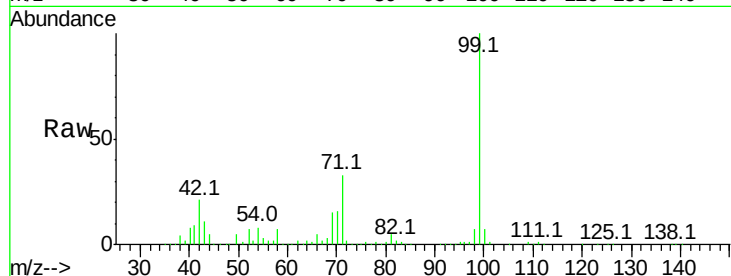
Tot Ion: 99 Resp: 1102457

Ion	Ratio	Lower	Upper
99	100		
42	20.5	14.5	21.7
71	33.4	25.4	38.0

99 100

42 20.5 14.5 21.7

71 33.4 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

Tgt Ion: 136 Resp: 466301

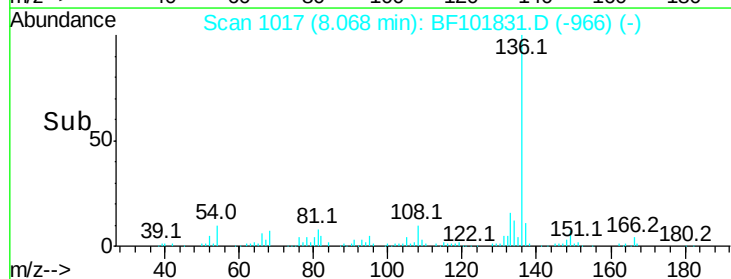
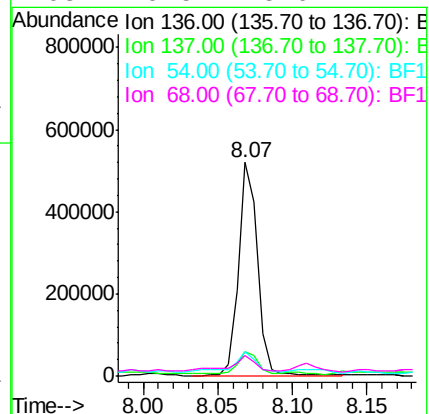
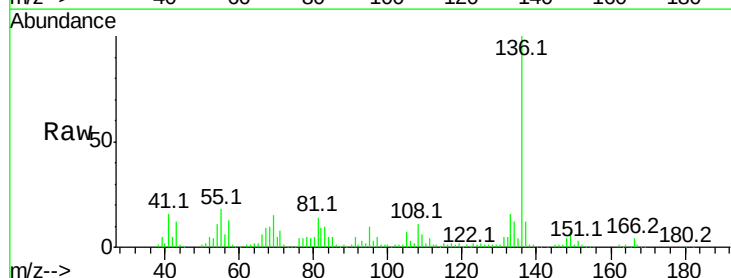
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	11.2	6.6	9.8
68	9.5	5.0	7.4

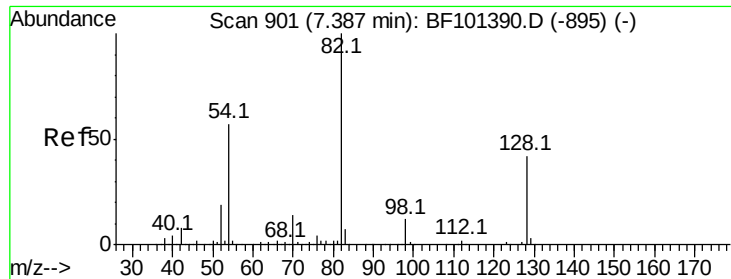
136 100

137 11.5 8.9 13.3

54 11.2 6.6 9.8

68 9.5 5.0 7.4

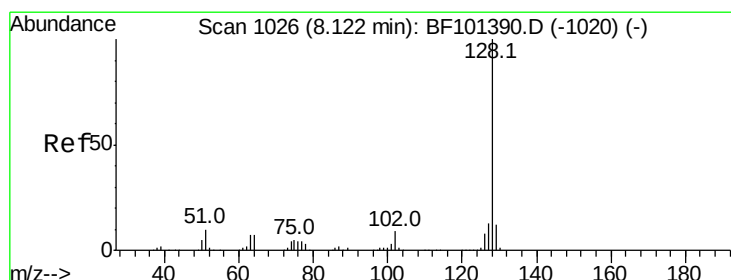
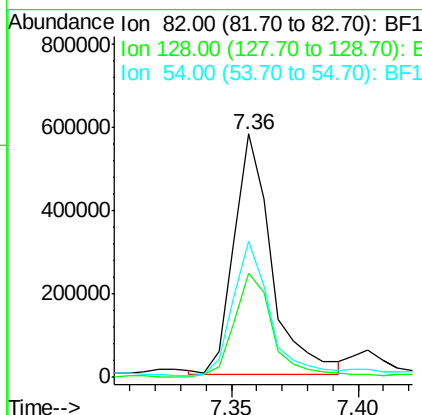
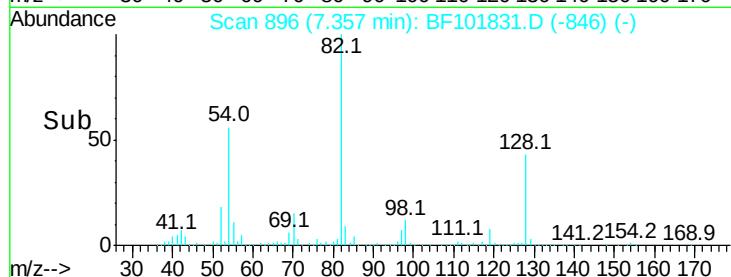
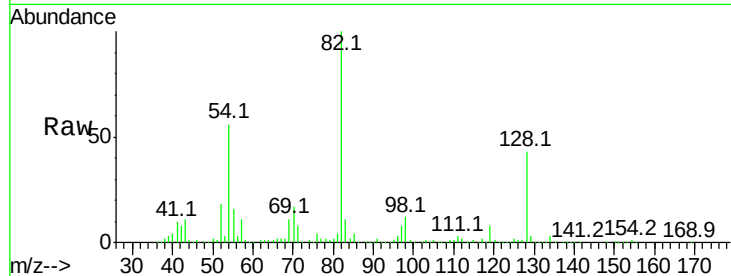




#23
Nitrobenzene-d5
Concen: 71.425 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101831.D
Acq: 29 Dec 2017 16:12

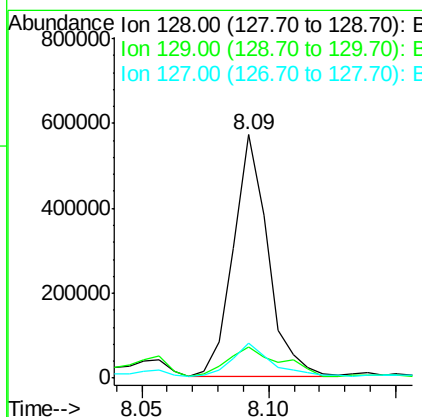
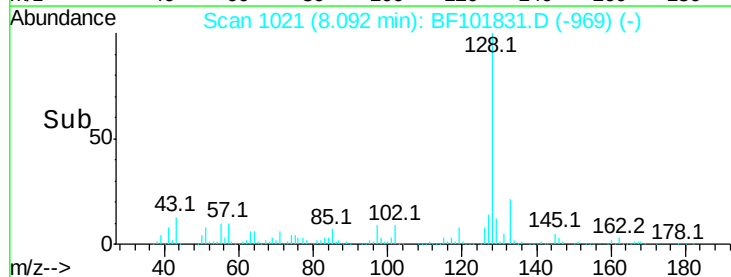
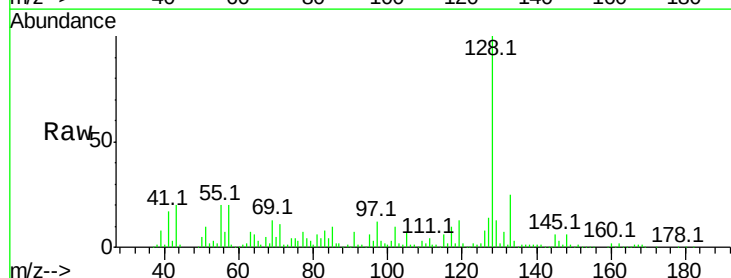
Instrument :
BNA_F
ClientSampleId :
LB-4

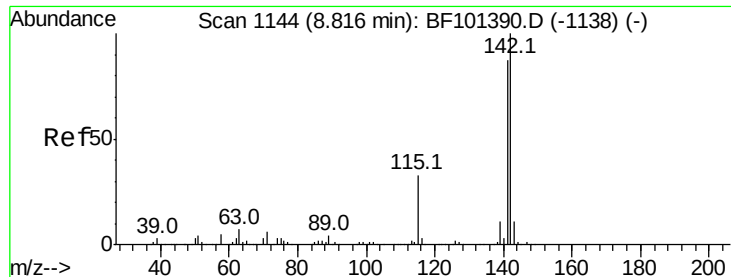
Tot Ion: 82 Resp: 598316
Ion Ratio Lower Upper
82 100
128 42.6 36.1 54.1
54 55.8 41.4 62.2



#31
Naphthalene
Concen: 23.078 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF101831.D
Acq: 29 Dec 2017 16:12

Tgt Ion: 128 Resp: 541754
Ion Ratio Lower Upper
128 100
129 12.6 8.8 13.2
127 14.4 10.9 16.3

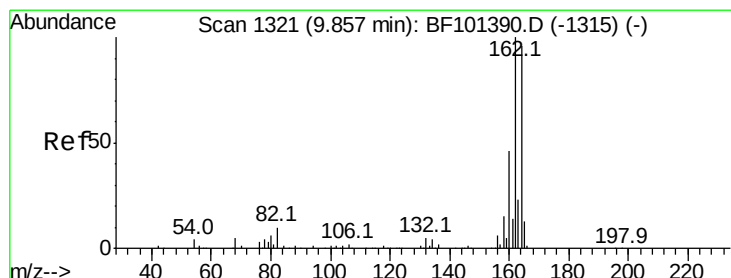
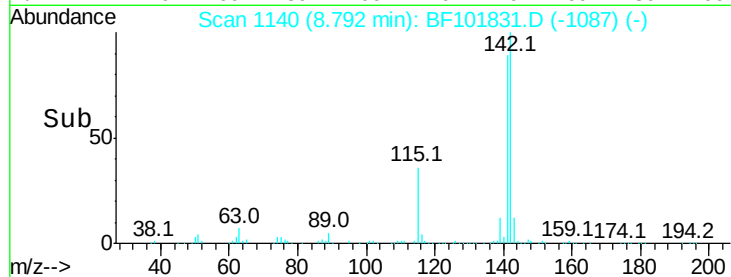
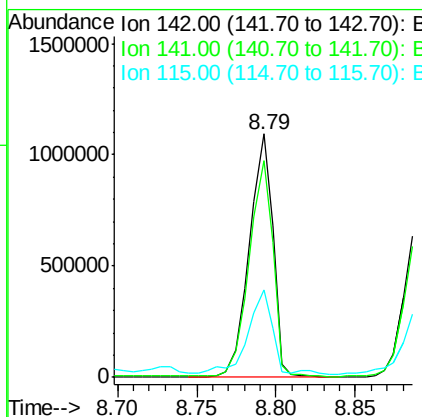
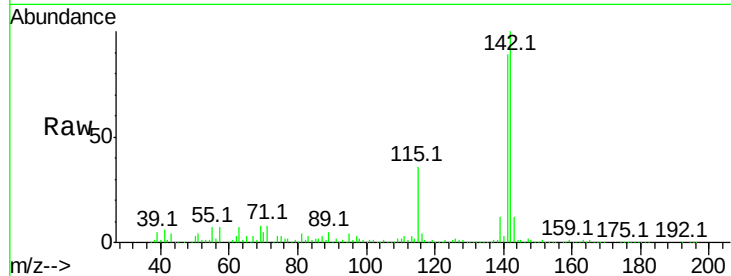




#37
 2-Methylnaphthalene
 Concen: 73.464 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: BF101831.D
 Acq: 29 Dec 2017 16:12

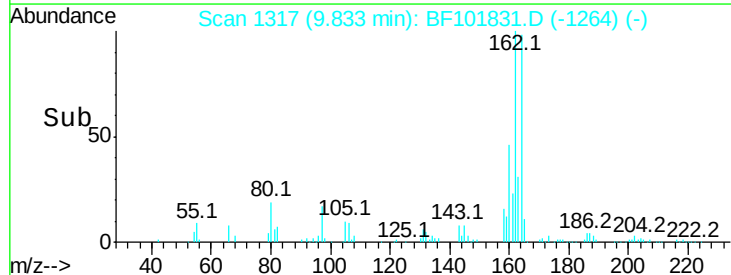
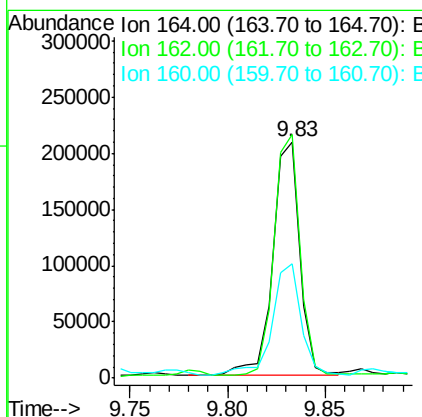
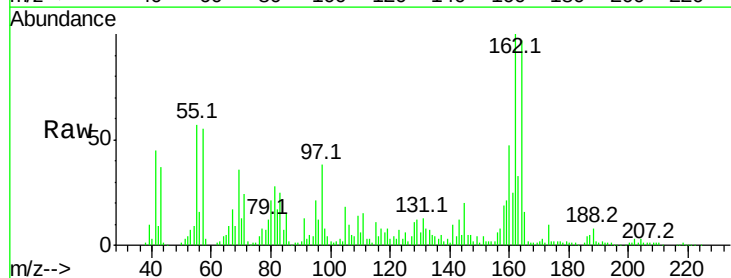
Instrument :
 BNA_F
 ClientSampled :
 LB-4

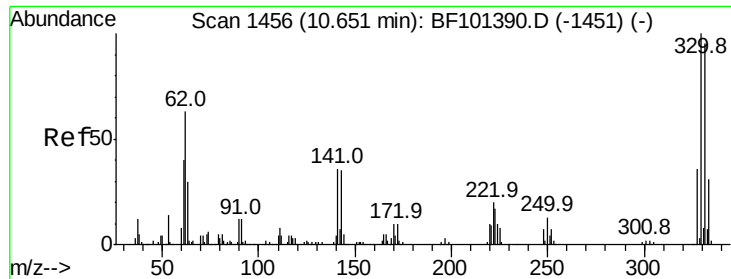
Tot Ion:142 Resp: 1123600
 Ion Ratio Lower Upper
 142 100
 141 88.8 70.8 106.2
 115 35.8 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: BF101831.D
 Acq: 29 Dec 2017 16:12

Tgt Ion:164 Resp: 199732
 Ion Ratio Lower Upper
 164 100
 162 103.0 86.1 129.1
 160 48.5 38.3 57.5

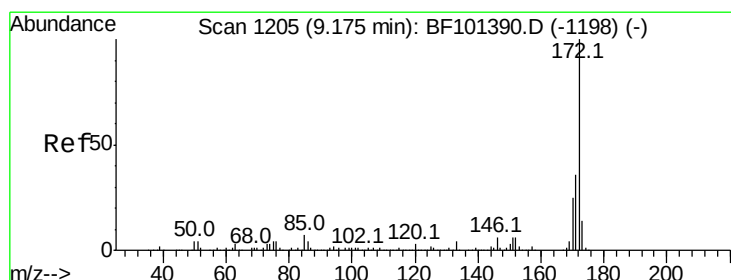
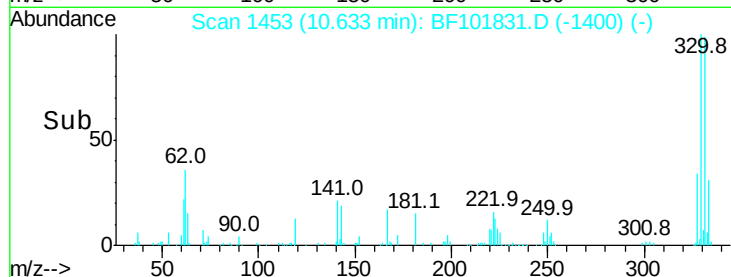
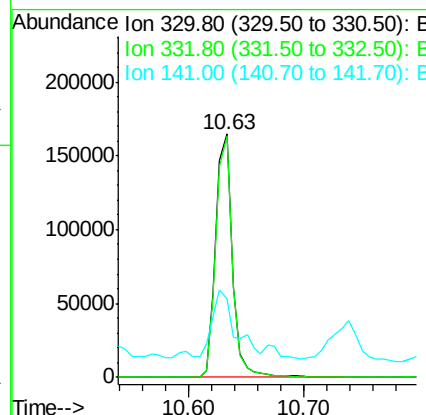
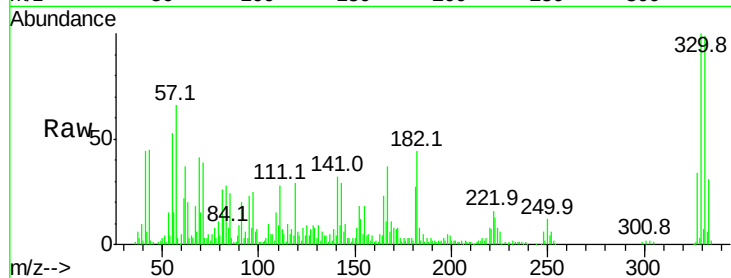




#41
 2,4,6-Tribromophenol
 Concen: 86.685 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BF101831.D
 Acq: 29 Dec 2017 16:12

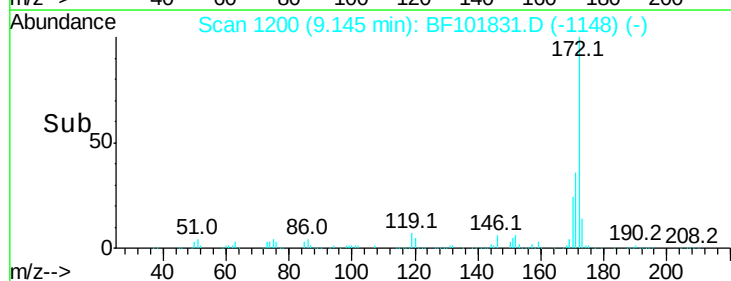
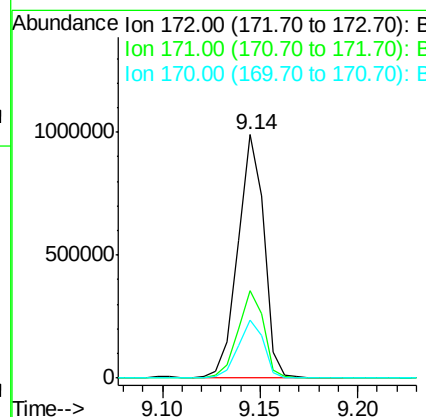
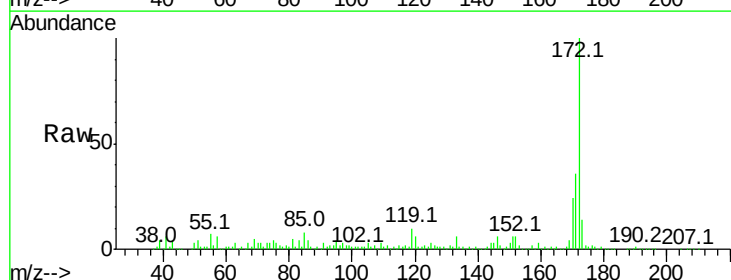
Instrument :
 BNA_F
 ClientSampled :
 LB-4

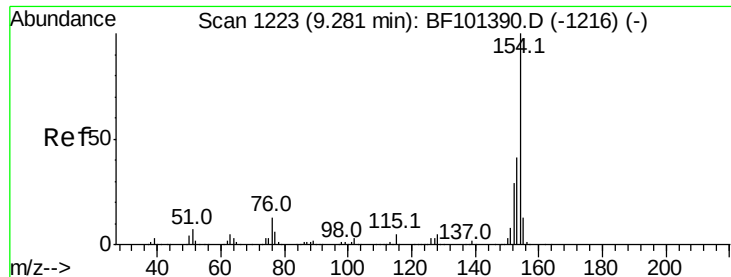
Tot Ion:330 Resp: 166832
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 36.2 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 70.916 ng
 RT: 9.14 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: BF101831.D
 Acq: 29 Dec 2017 16:12

Tgt Ion:172 Resp: 913093
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.1 19.6 29.4





#45

1,1'-Biphenyl

Concen: 11.364 ng

RT: 9.25 min Scan# 1218

Delta R.T. 0.01 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

Instrument :

BNA_F

ClientSampleId :

LB-4

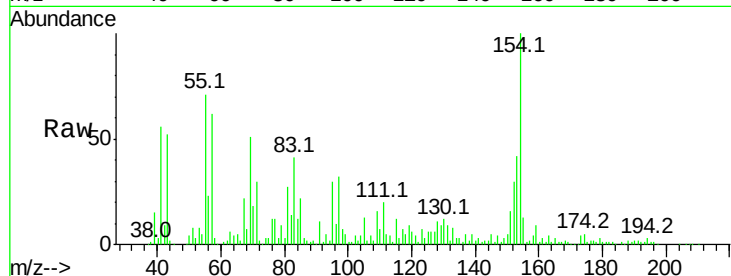
Tot Ion:154 Resp: 201299

Ion Ratio Lower Upper

154 100

153 41.9 21.3 61.3

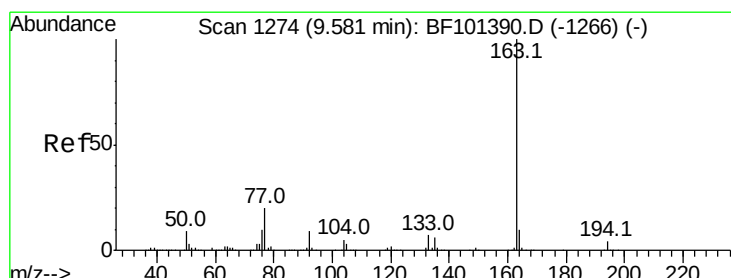
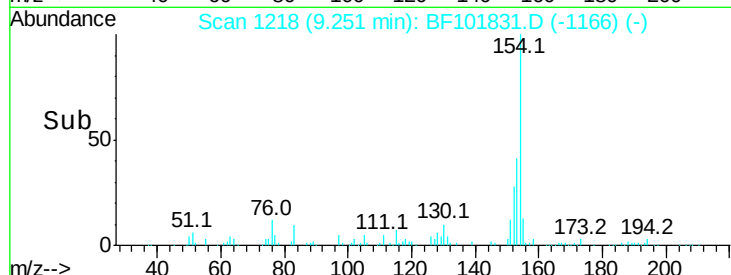
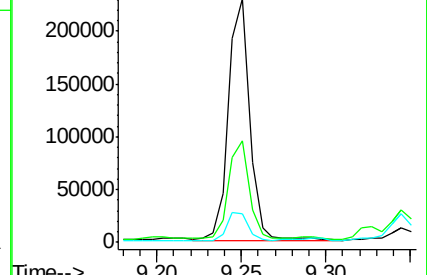
76 11.9 0.0 34.0



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



#49

Dimethylphthalate

Concen: 3.620 ng

RT: 9.54 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

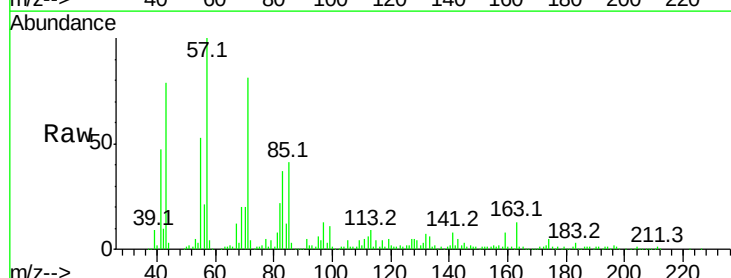
Tgt Ion:163 Resp: 58165

Ion Ratio Lower Upper

163 100

194 7.1 2.7 4.1#

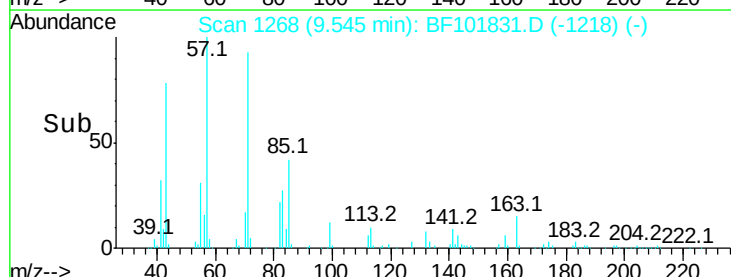
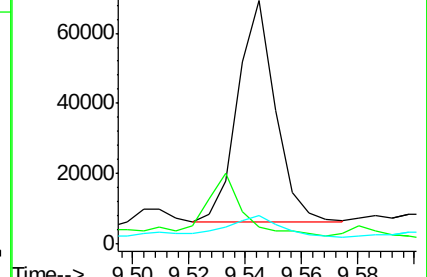
164 11.9 8.2 12.2

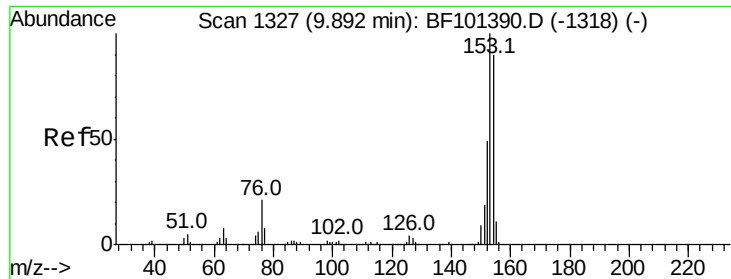


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.911 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.01 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

Instrument :

BNA_F

ClientSampleId :

LB-4

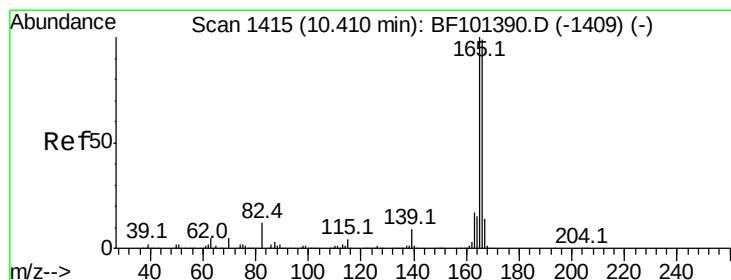
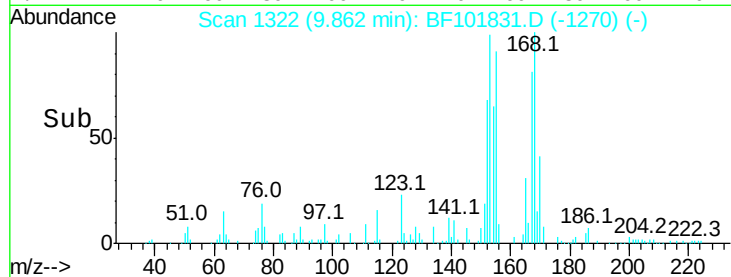
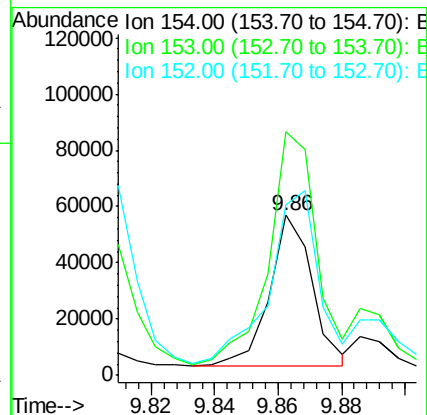
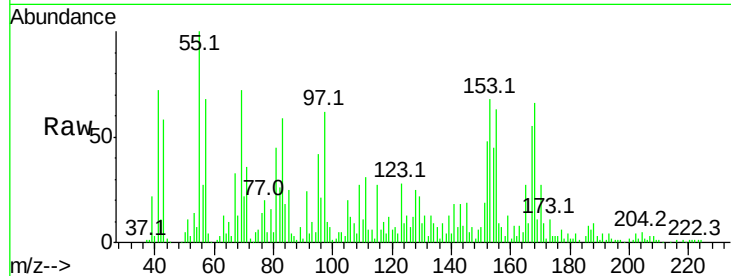
Tot Ion:154 Resp: 50302

Ion Ratio Lower Upper

154 100

153 152.2 91.2 136.8#

152 106.6 43.8 65.8#



#57

Fluorene

Concen: 9.248 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.01 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

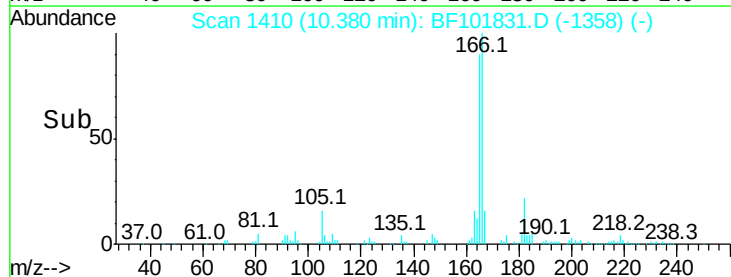
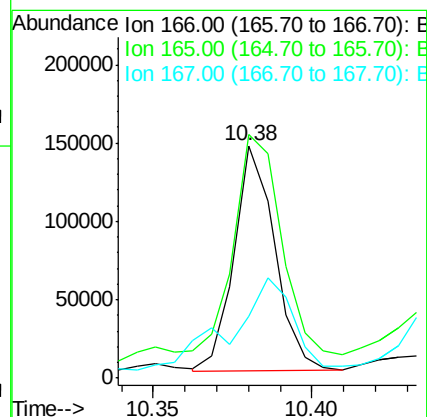
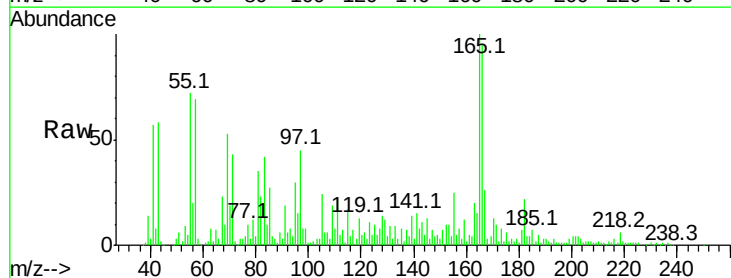
Tgt Ion:166 Resp: 127867

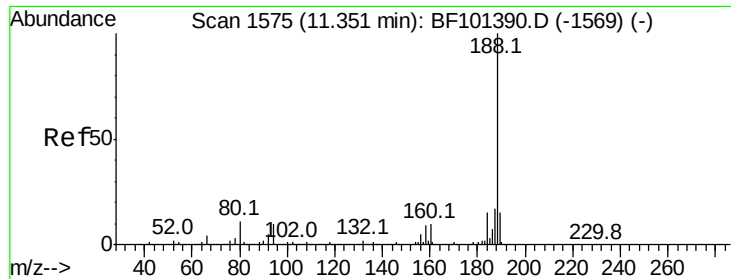
Ion Ratio Lower Upper

166 100

165 104.7 79.8 119.8

167 26.8 10.6 16.0#

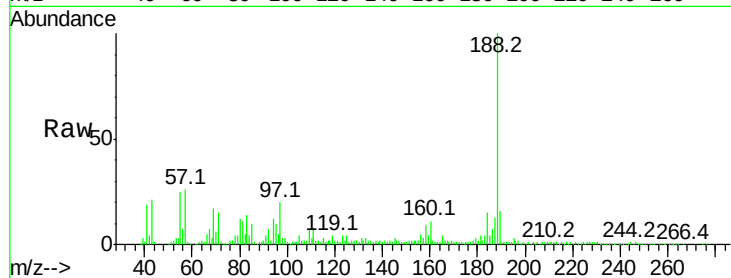




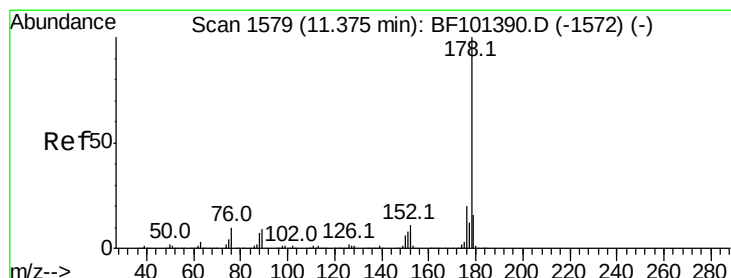
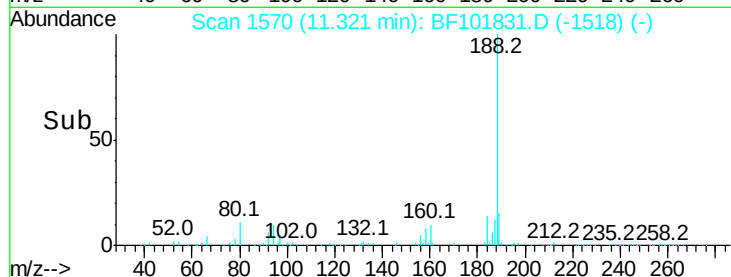
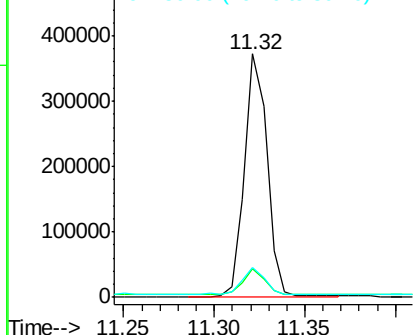
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101831.D
Acq: 29 Dec 2017 16:12

Instrument :
BNA_F
ClientSampled :
LB-4

Tot Ion:188 Resp: 321279
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.5 9.2 13.8

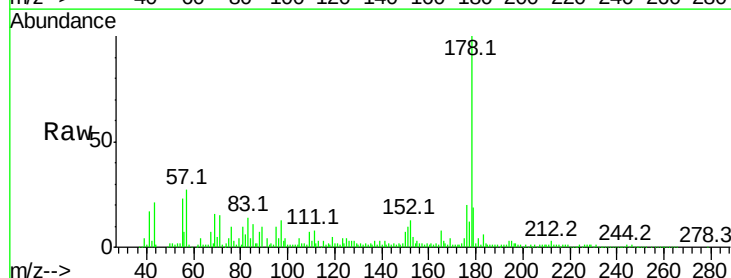


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

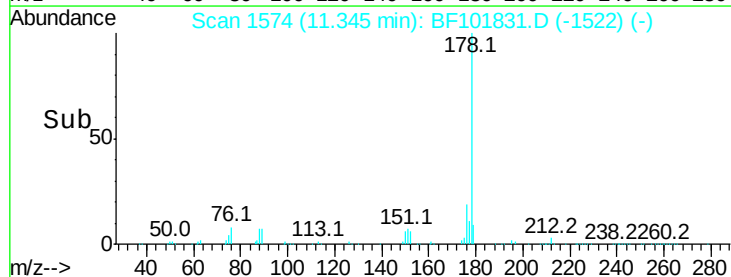
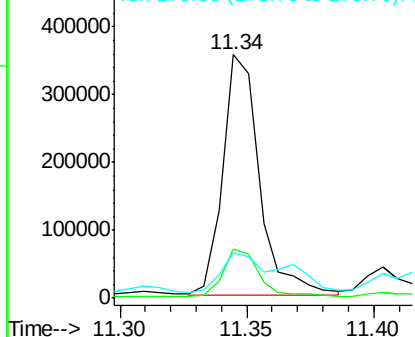


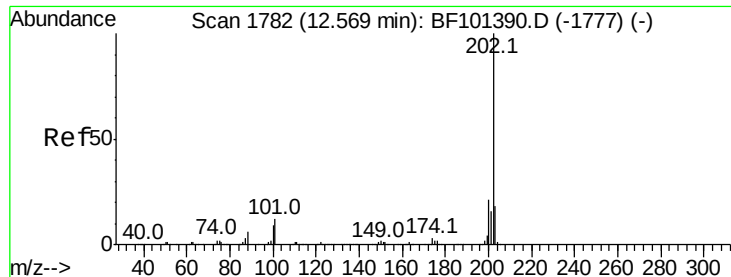
#70
Phenanthrene
Concen: 20.166 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101831.D
Acq: 29 Dec 2017 16:12

Tgt Ion:178 Resp: 360303
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 18.7 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: 3.293 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

Instrument :

BNA_F

ClientSampleId :

LB-4

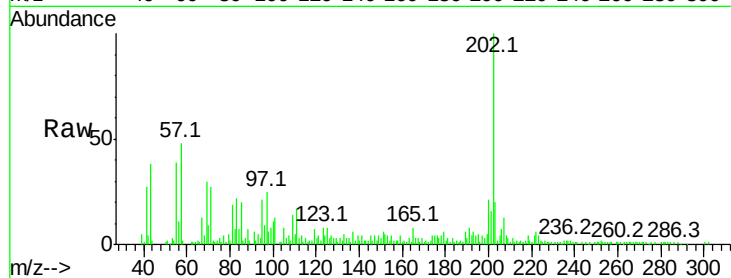
Tot Ion:202 Resp: 61749

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

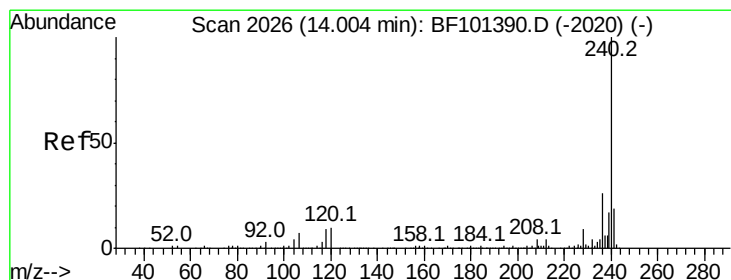
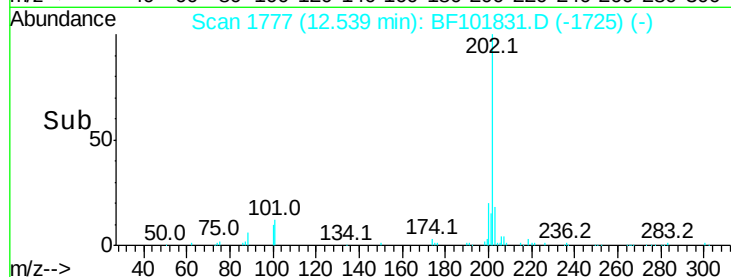
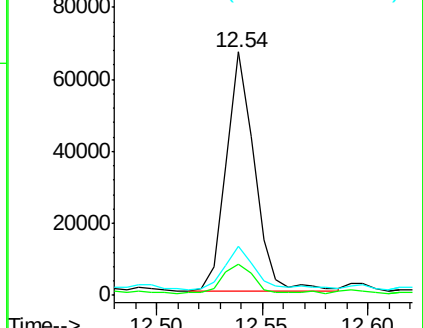
203 20.3 0.0 38.1



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: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

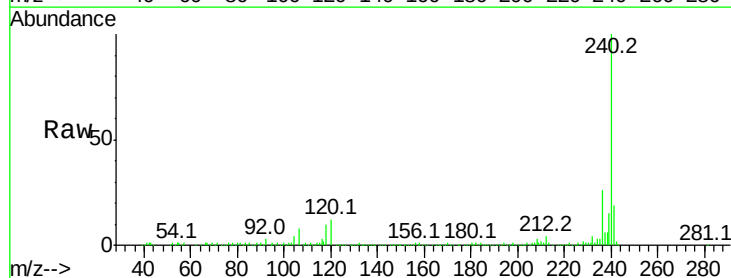
Tgt Ion:240 Resp: 293218

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

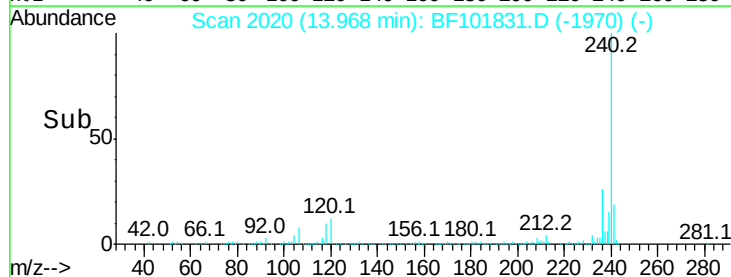
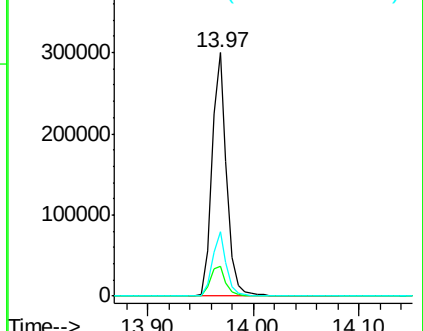
236 26.3 20.7 31.1

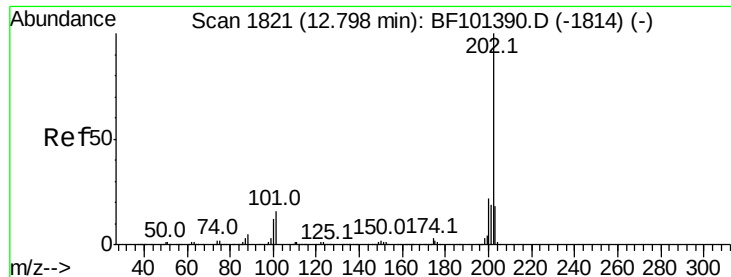


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.807 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.23 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

Instrument :

BNA_F

ClientSampleId :

LB-4

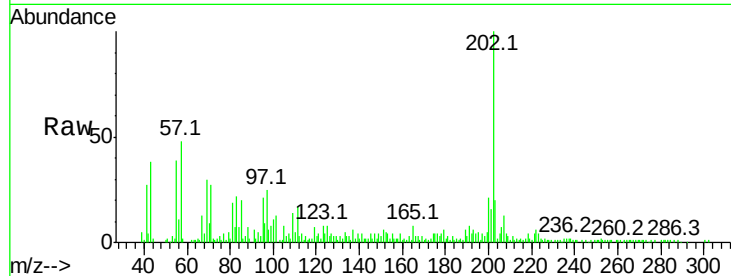
Tot Ion:202 Resp: 61778

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

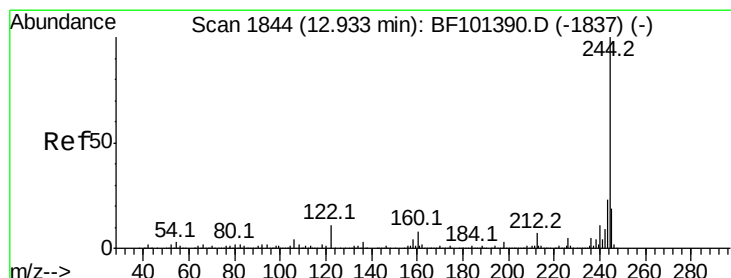
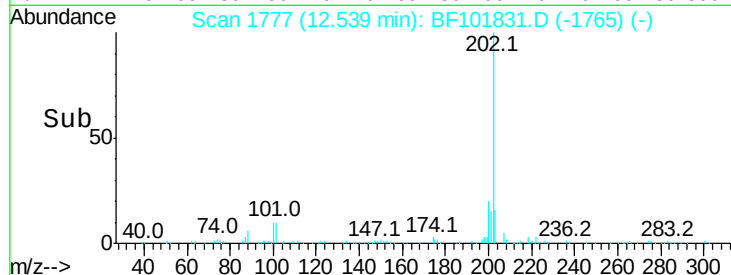
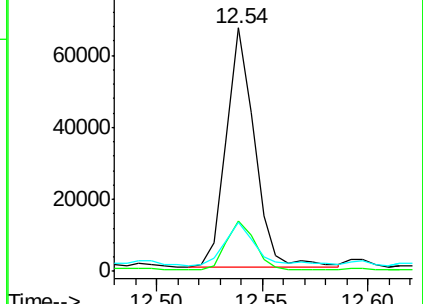
203 20.3 14.3 21.5



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: 62.101 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

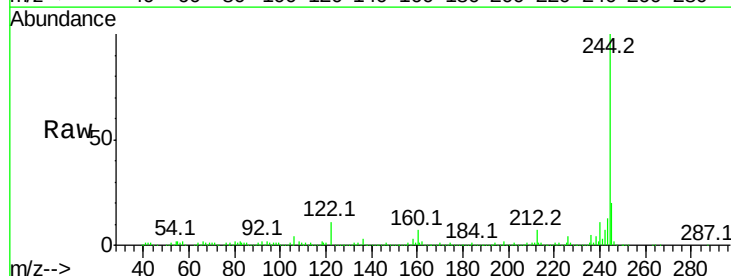
Tgt Ion:244 Resp: 755329

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

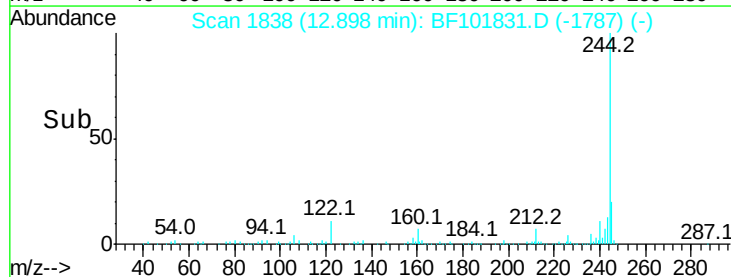
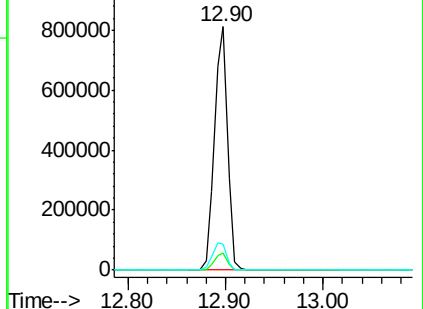
122 10.8 11.0 16.4#

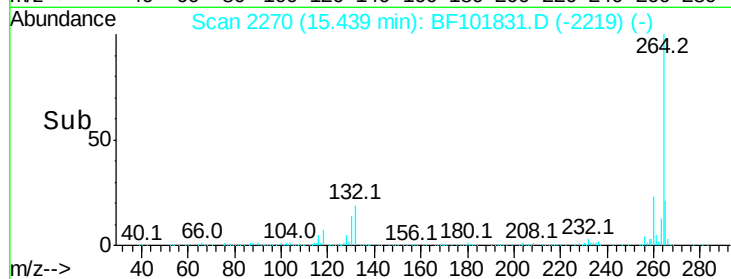
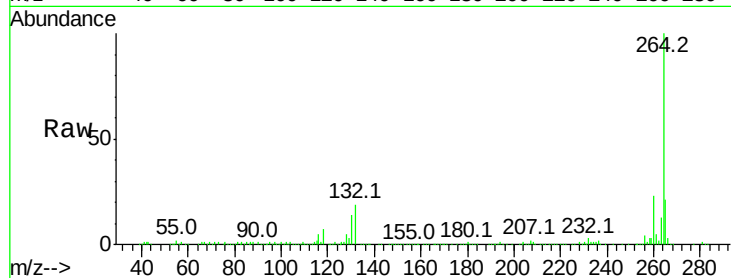
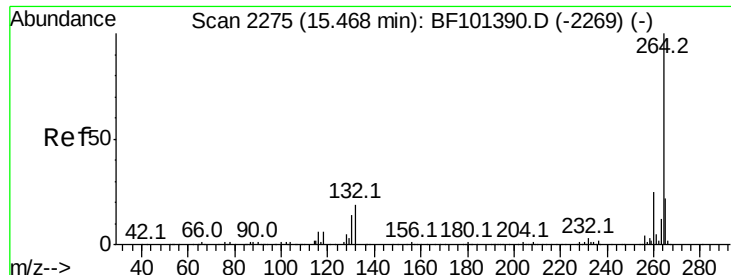


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF101831.D

Acq: 29 Dec 2017 16:12

Instrument :

BNA_F

ClientSampleId :

LB-4

Tot Ion:264 Resp: 295694

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 20.9 17.5 26.3

