

Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102155.D
 Acq On : 17 Jan 2018 17:39
 Operator : SJ/JU
 Sample : J1152-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LTP-2

Quant Time: Jan 18 02:01:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	135185	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	463019	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	170539	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	236470	20.00	ng	0.00
75) Chrysene-d12	13.87	240	243056	20.00	ng	0.00
86) Perylene-d12	15.28	264	277817	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	885610	92.51	ng	0.01
7) Phenol-d6	6.36	99	1040625	91.11	ng	0.00
23) Nitrobenzene-d5	7.29	82	635741	80.69	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	149525	100.47	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	852337	78.08	ng	0.00
78) Terphenyl-d14	12.82	244	574455	49.07	ng	0.00

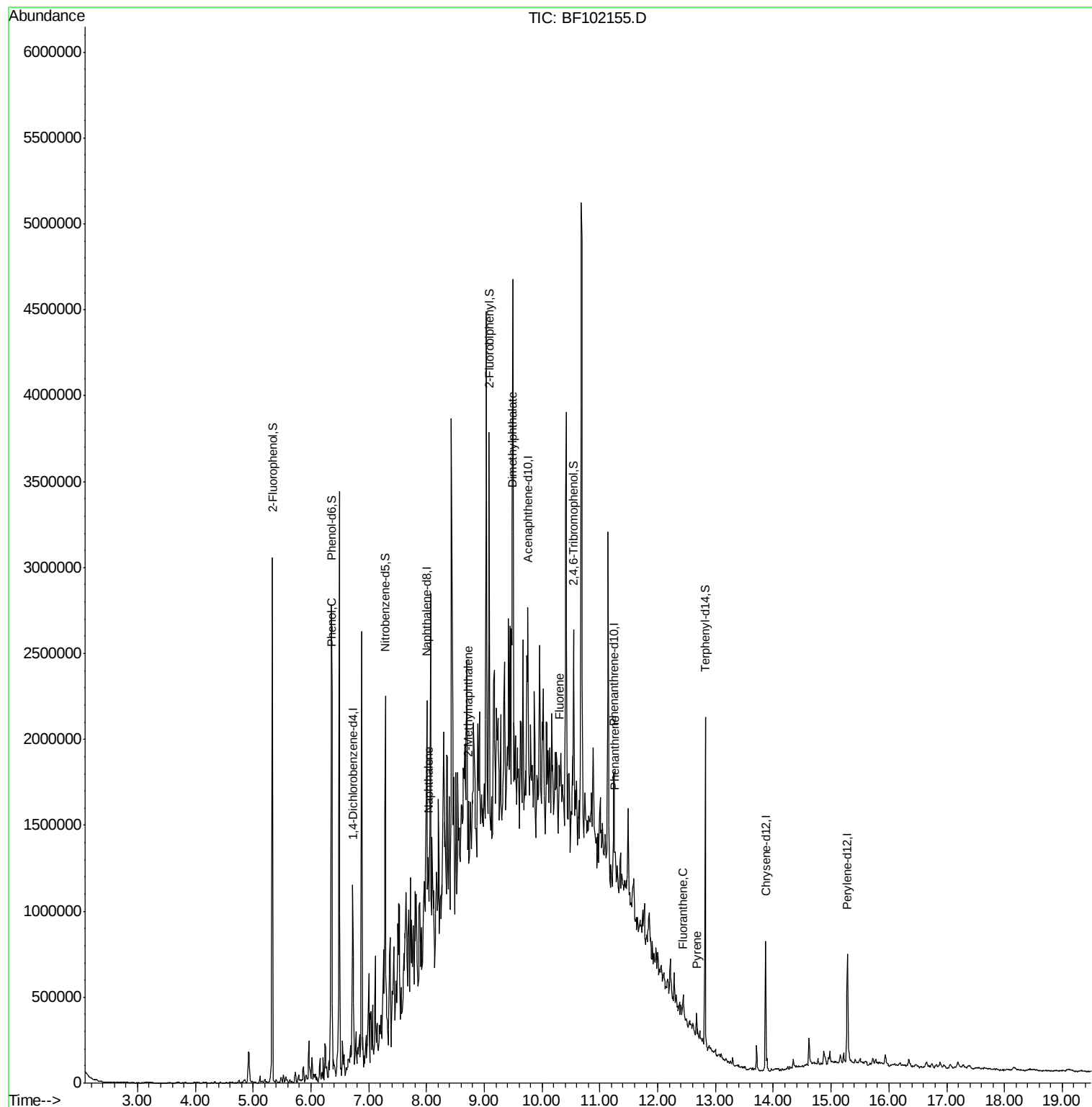
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	50231	3.891	ng	99
31) Naphthalene	8.03	128	48791	2.109	ng	# 82
37) 2-Methylnaphthalene	8.72	142	123218	8.090	ng	99
49) Dimethylphthalate	9.47	163	105344	7.700	ng	# 91
57) Fluorene	10.30	166	26472	2.478	ng	# 73
70) Phenanthrene	11.26	178	72964	5.282	ng	# 94
74) Fluoranthene	12.44	202	50349	3.705	ng	98
77) Pyrene	12.67	202	47173	2.196	ng	99

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

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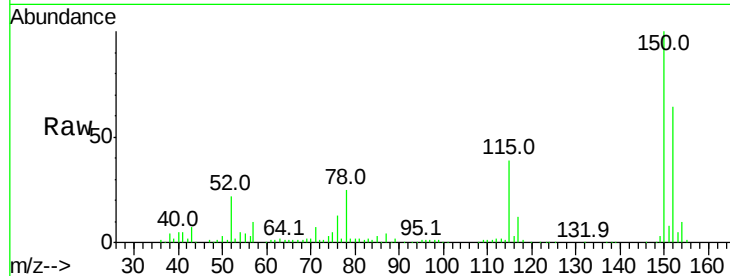


#1

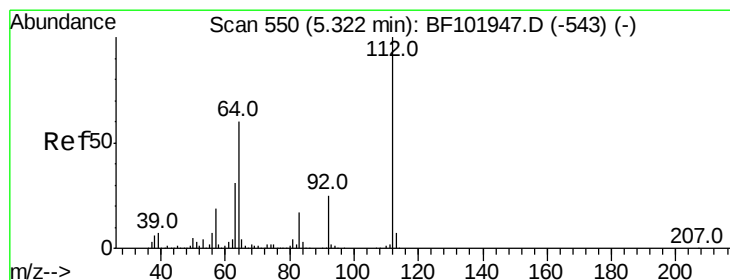
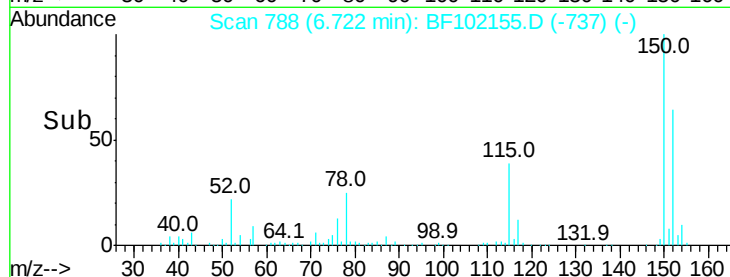
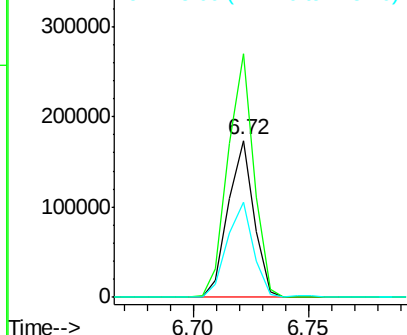
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Instrument :
BNA_F
ClientSampleId :
LTP-2

Tot Ion:152 Resp: 135185
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 60.8 50.1 75.1



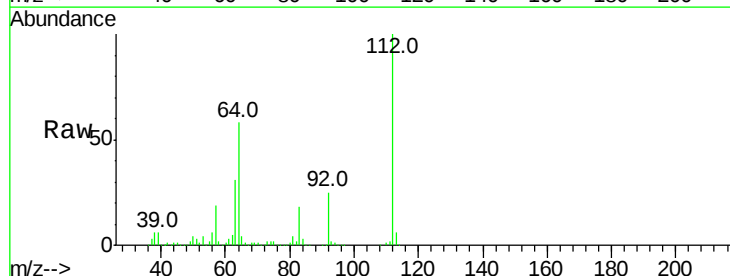
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



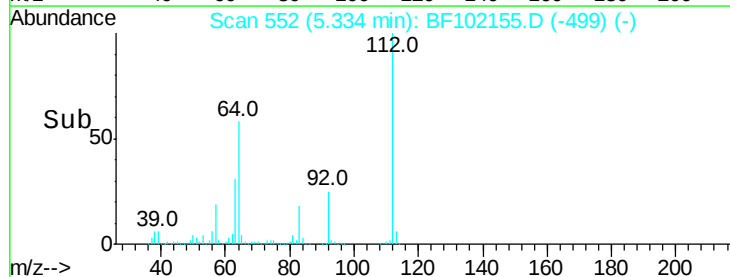
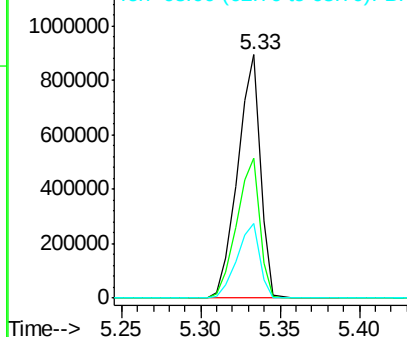
#5

2-Fluorophenol
Concen: 92.507 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Tgt Ion:112 Resp: 885610
Ion Ratio Lower Upper
112 100
64 57.6 47.9 71.9
63 30.6 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: 91.106 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

LTP-2

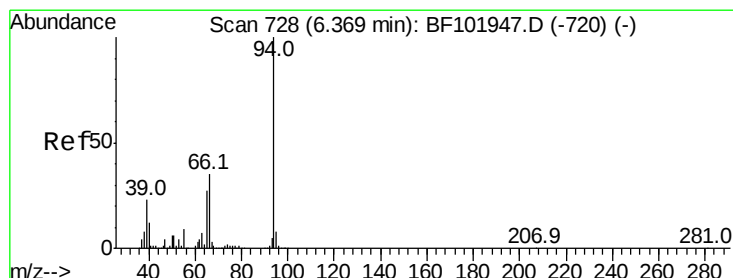
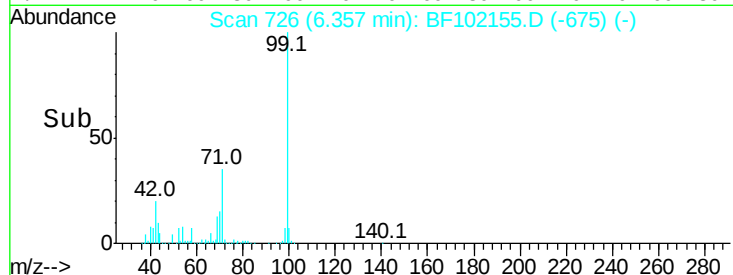
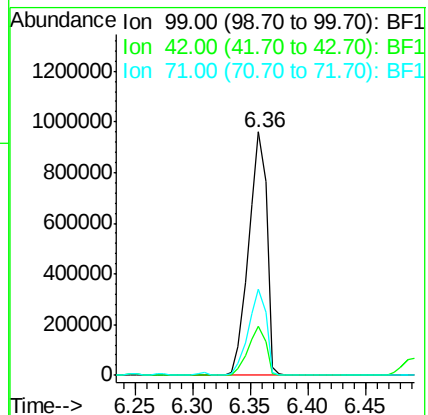
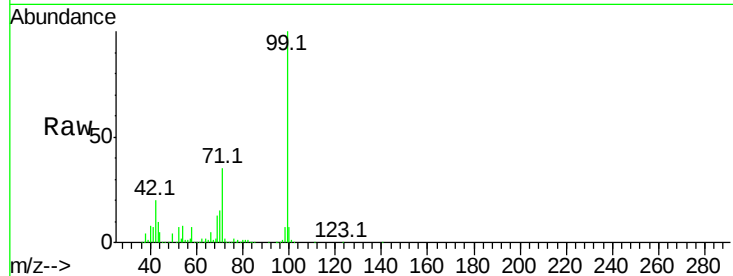
Tot Ion: 99 Resp: 1040625

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 35.3 25.4 38.0



#10

Phenol

Concen: 3.891 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

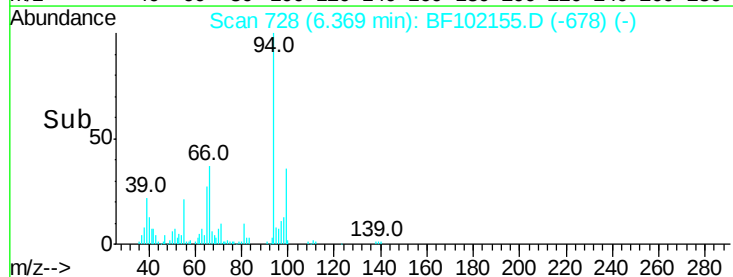
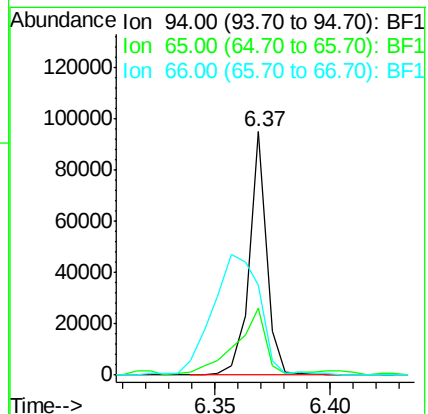
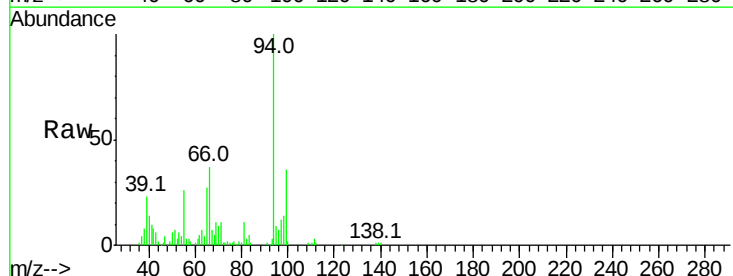
Tgt Ion: 94 Resp: 50231

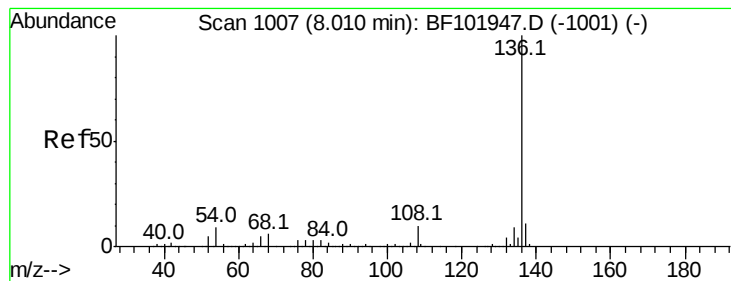
Ion Ratio Lower Upper

94 100

65 27.4 7.9 47.9

66 36.8 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

LTP-2

Tot Ion:136 Resp: 463019

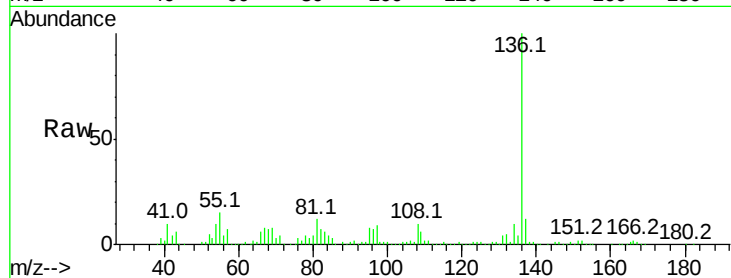
Ion Ratio Lower Upper

136 100

137 11.9 8.9 13.3

54 9.8 6.6 9.8

68 7.3 5.0 7.4

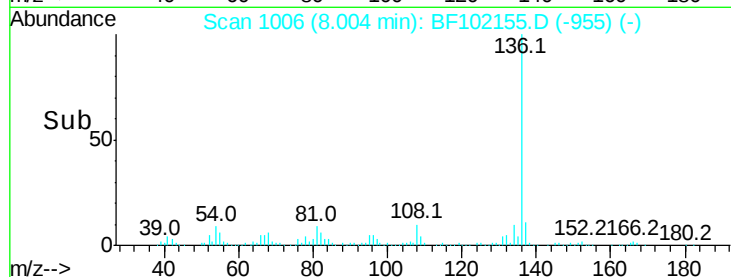


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

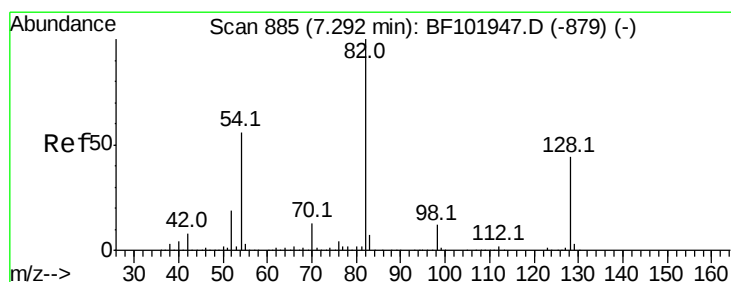
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

8.00



#23

Nitrobenzene-d5

Concen: 80.685 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

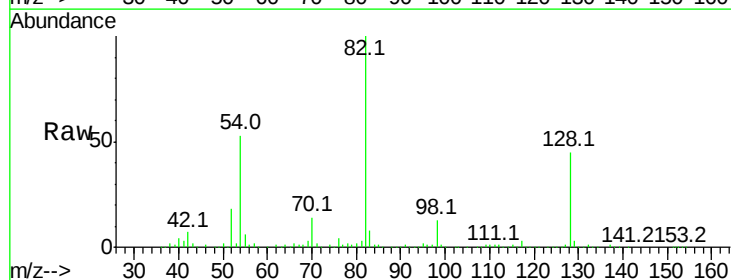
Tgt Ion: 82 Resp: 635741

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

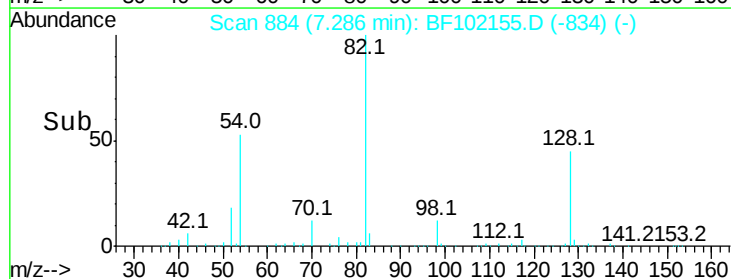
54 53.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

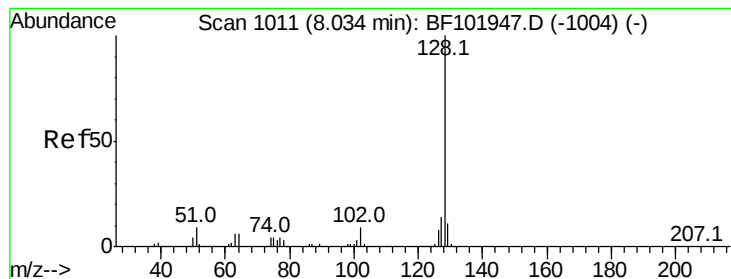
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->

7.29



#31

Naphthalene

Concen: 2.109 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampled :

LTP-2

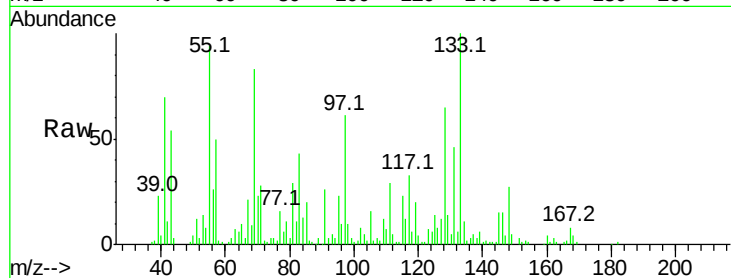
Tot Ion:128 Resp: 48791

Ion Ratio Lower Upper

128 100

129 20.8 8.8 13.2#

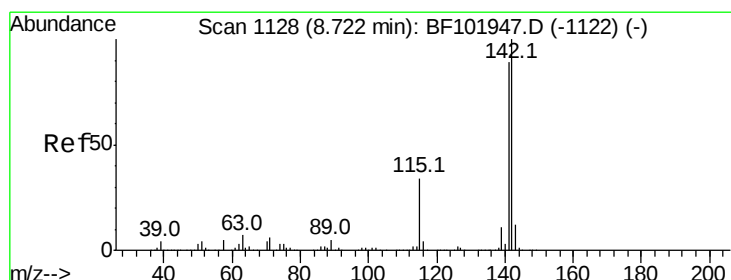
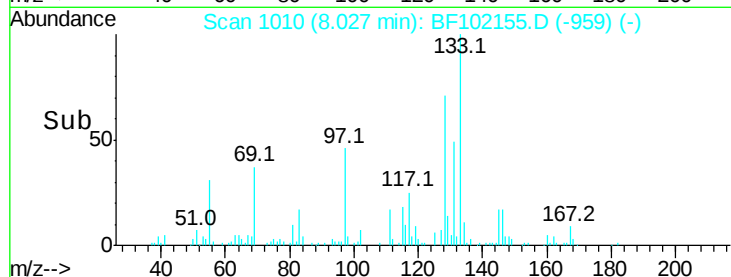
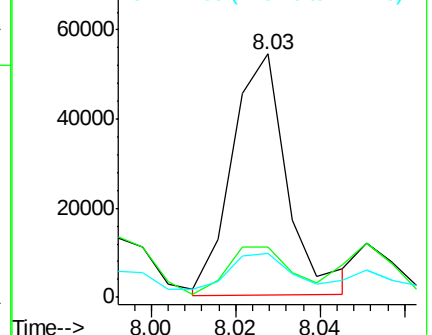
127 18.2 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 8.090 ng

RT: 8.72 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

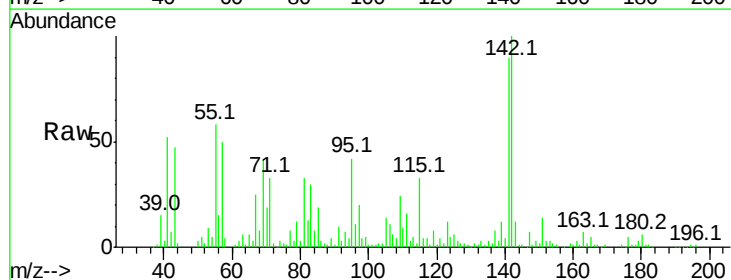
Tgt Ion:142 Resp: 123218

Ion Ratio Lower Upper

142 100

141 89.8 70.8 106.2

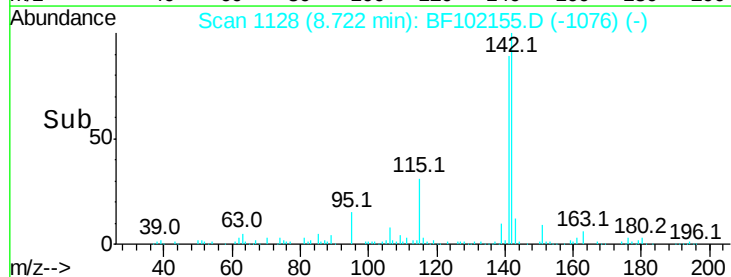
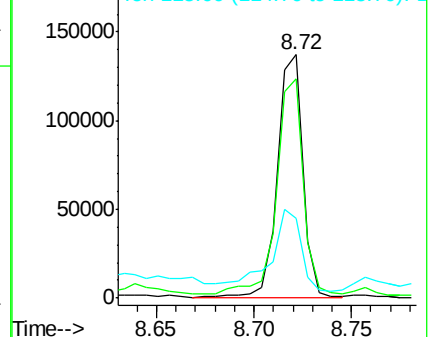
115 32.5 26.1 39.1

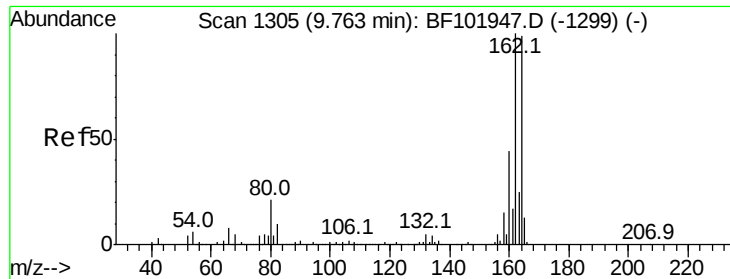


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

LTP-2

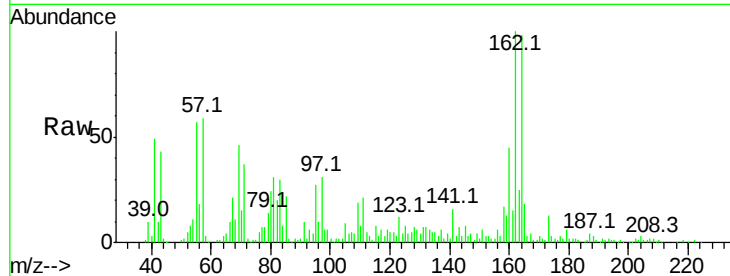
Tot Ion:164 Resp: 170539

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

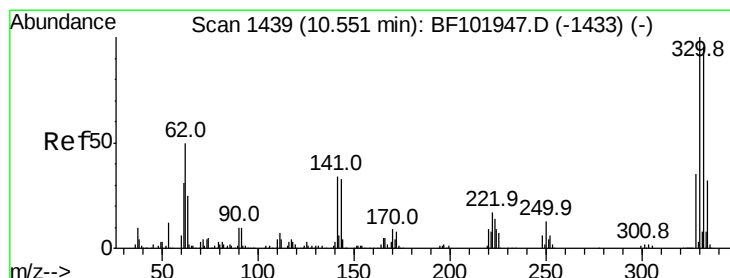
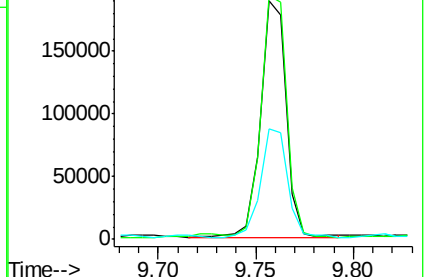
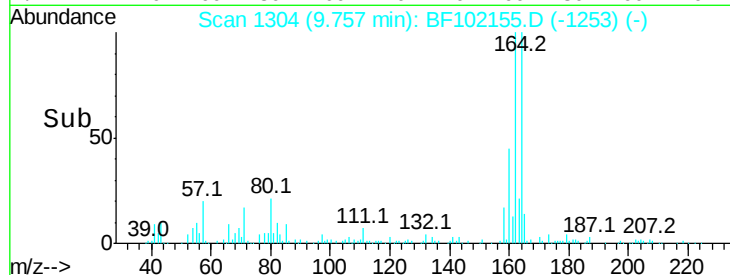
160 46.2 38.3 57.5



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: 100.469 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

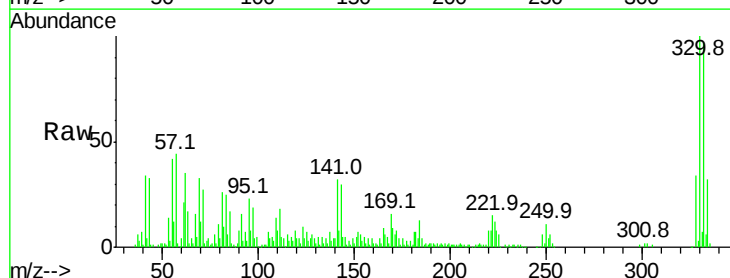
Tgt Ion:330 Resp: 149525

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

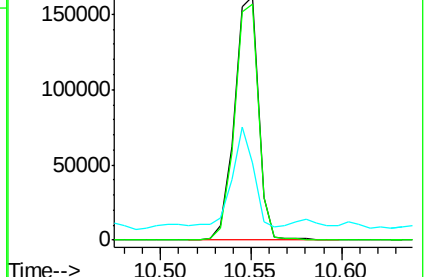
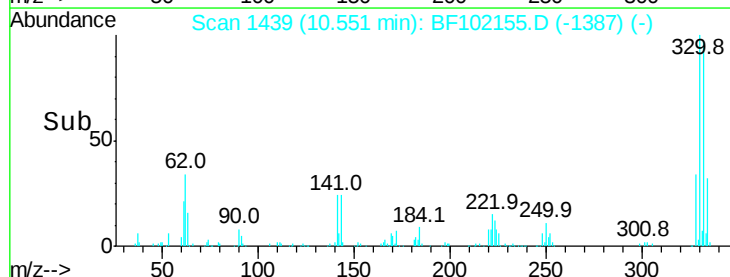
141 36.0 29.9 44.9

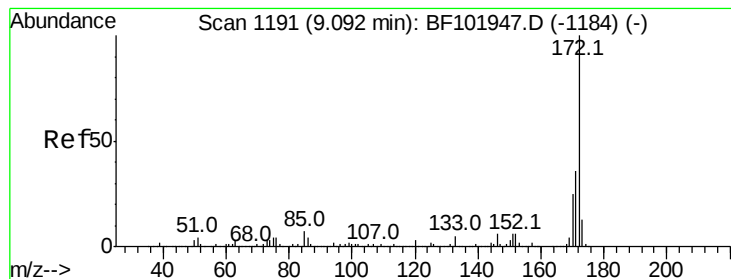


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

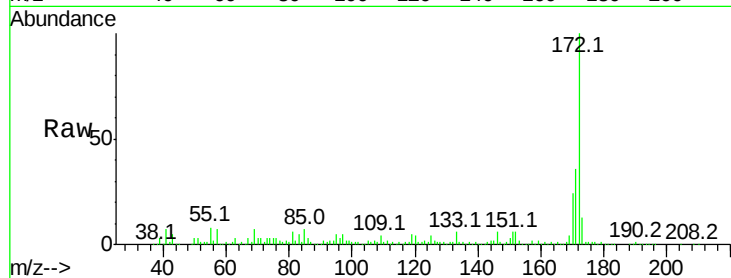




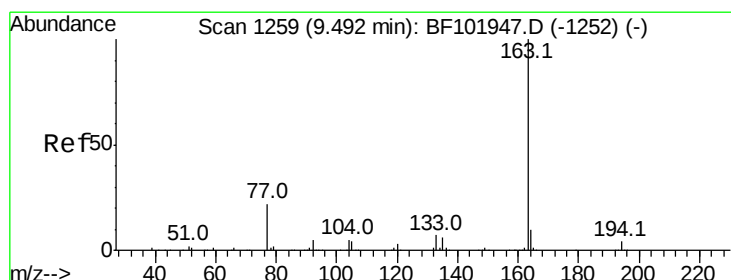
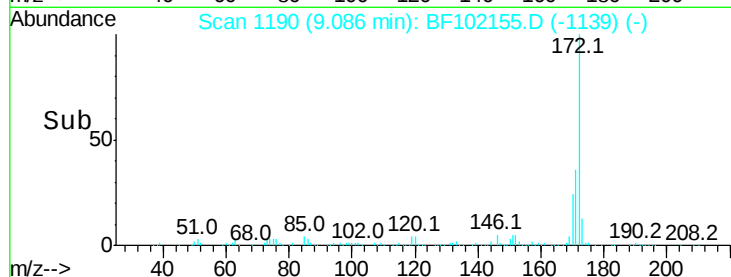
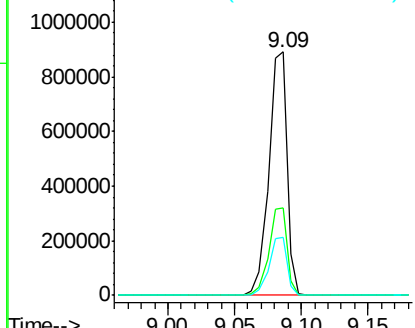
#44
2-Fluorobiphenyl
Concen: 78.081 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Instrument :
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ClientSampleId :
LTP-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.8	19.6	29.4

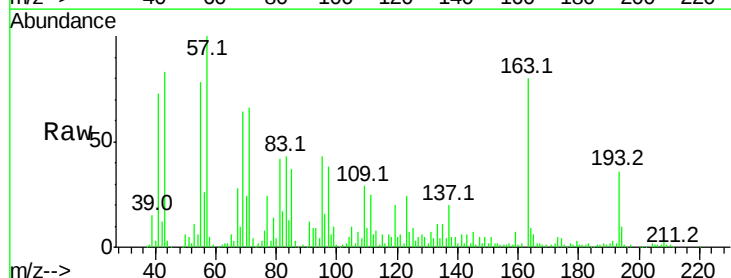


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

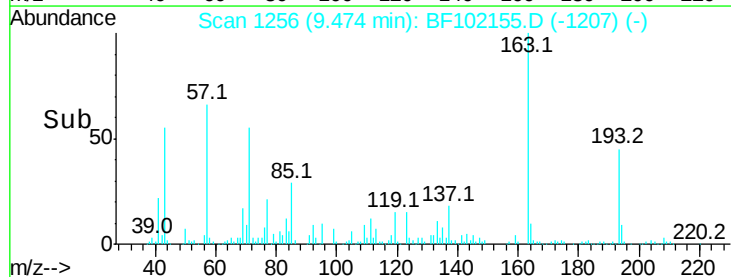
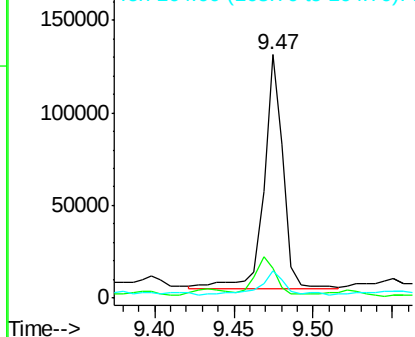


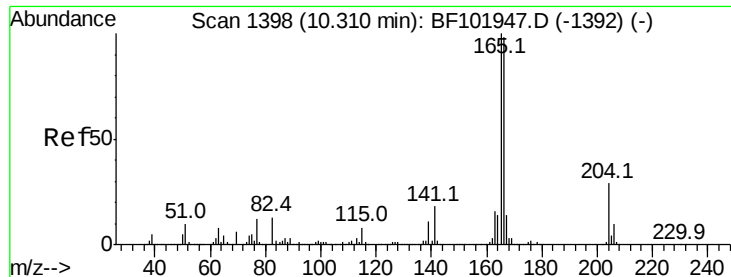
#49
Dimethylphthalate
Concen: 7.700 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102155.D
Acq: 17 Jan 2018 17:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	12.5	2.7	4.1#
164	11.4	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

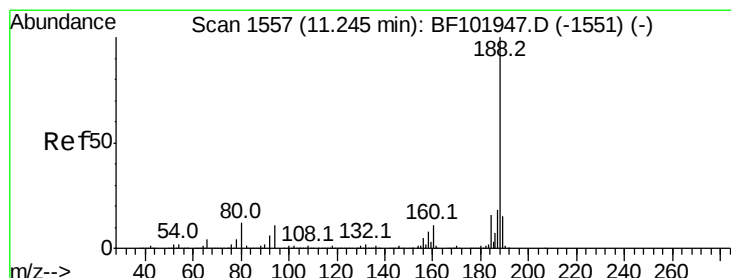
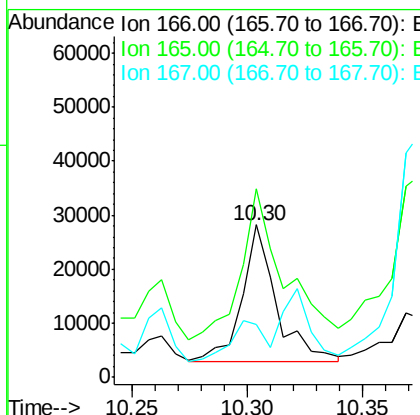
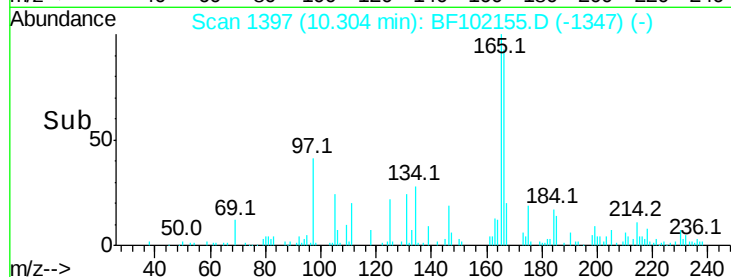
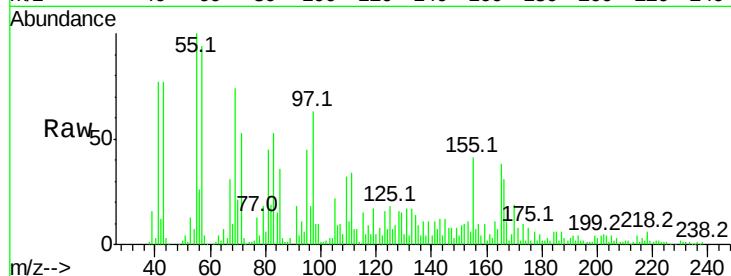




#57
Fluorene
 Concen: 2.478 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF102155.D
 Acq: 17 Jan 2018 17:39

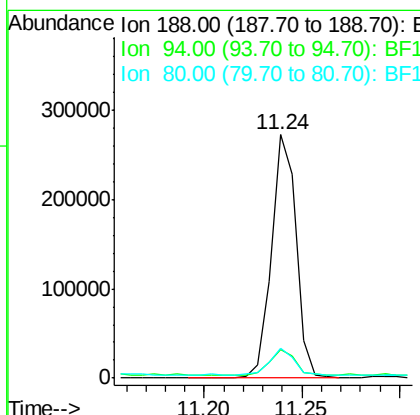
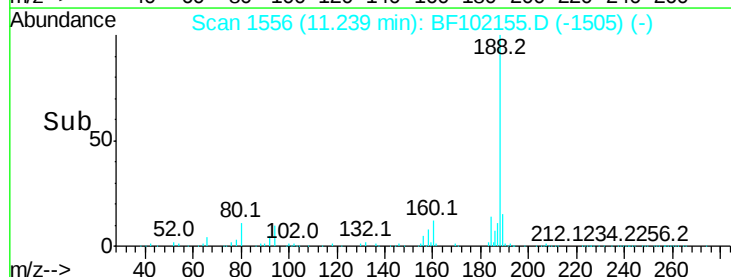
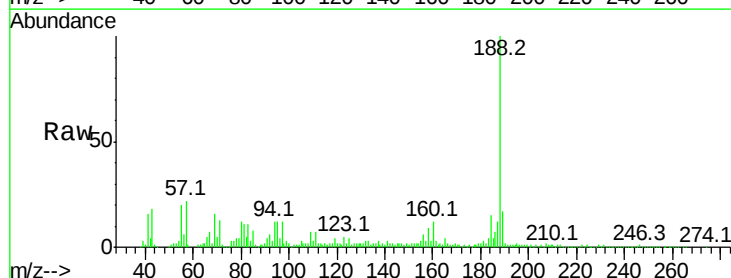
Instrument :
 BNA_F
 ClientSampleId :
 LTP-2

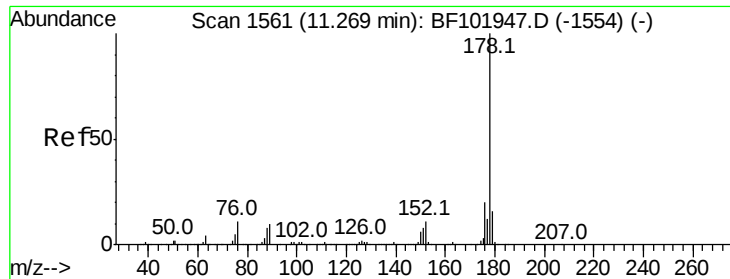
Tot Ion:166 Resp: 26472
 Ion Ratio Lower Upper
 166 100
 165 123.3 79.8 119.8#
 167 34.4 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: BF102155.D
 Acq: 17 Jan 2018 17:39

Tgt Ion:188 Resp: 236470
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.3 9.2 13.8





#70

Phenanthrene

Concen: 5.282 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

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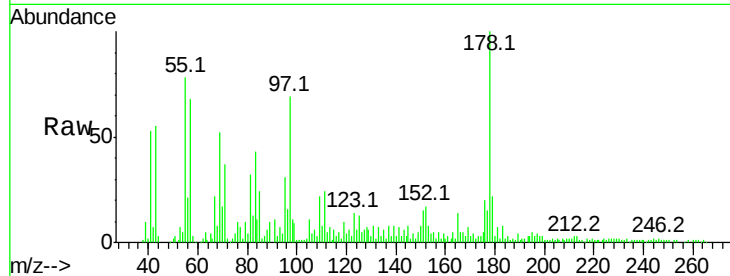
Tot Ion:178 Resp: 72964

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

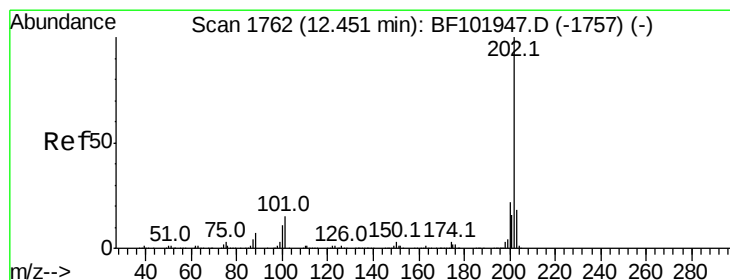
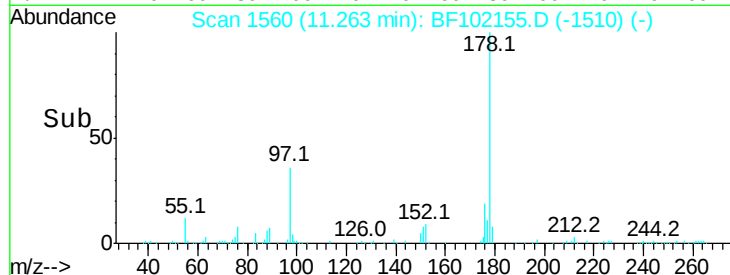
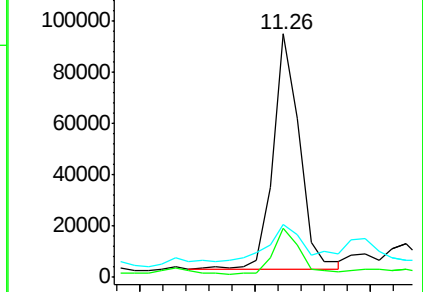
179 21.7 13.0 19.6#



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: 3.705 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

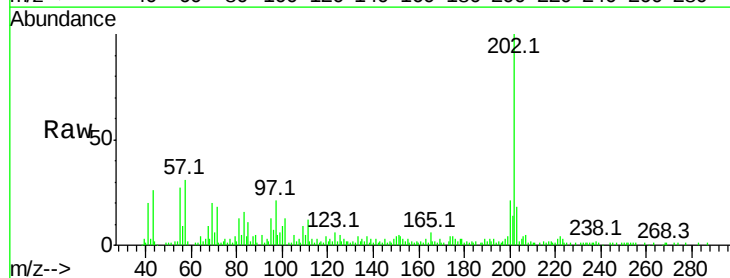
Tgt Ion:202 Resp: 50349

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

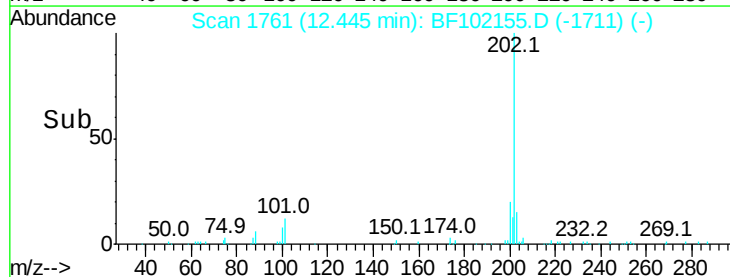
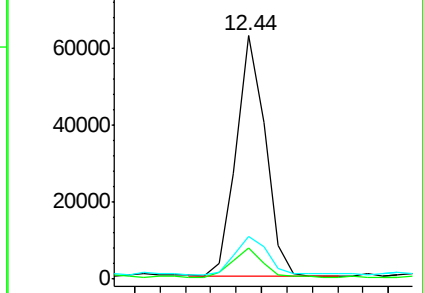
203 17.6 0.0 38.1

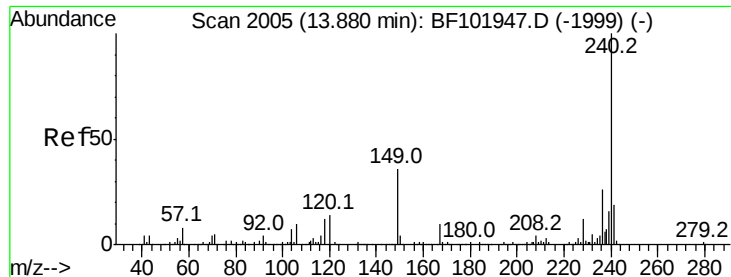


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

LTP-2

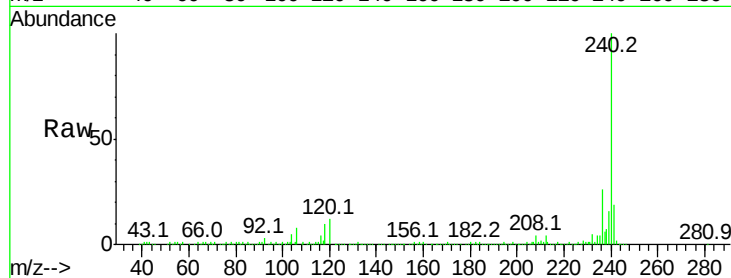
Tot Ion:240 Resp: 243056

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

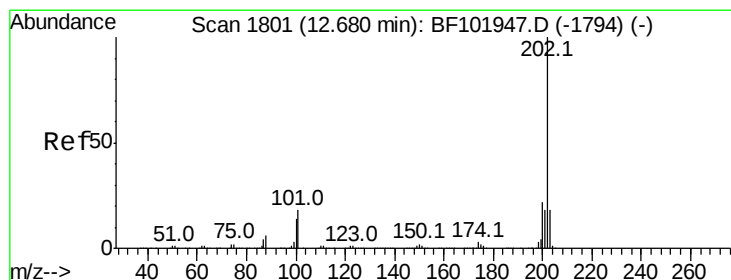
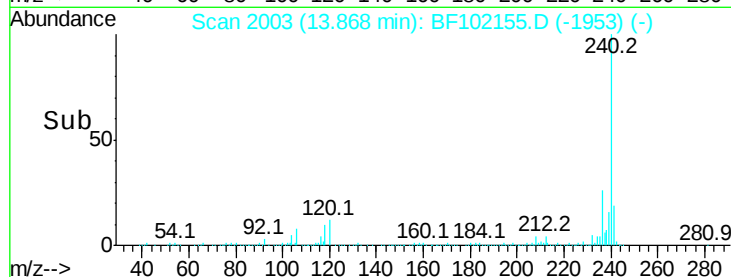
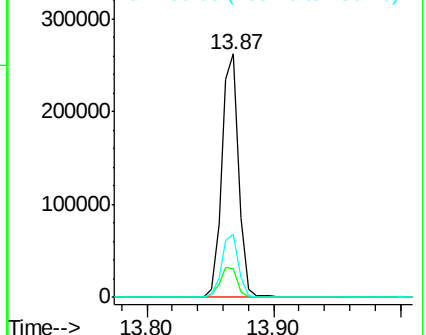
236 26.0 20.7 31.1



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



#77

Pyrene

Concen: 2.196 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

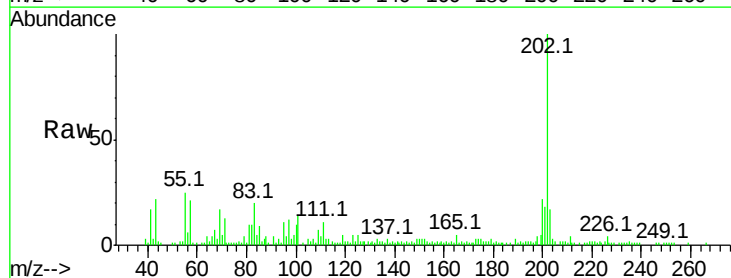
Tgt Ion:202 Resp: 47173

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

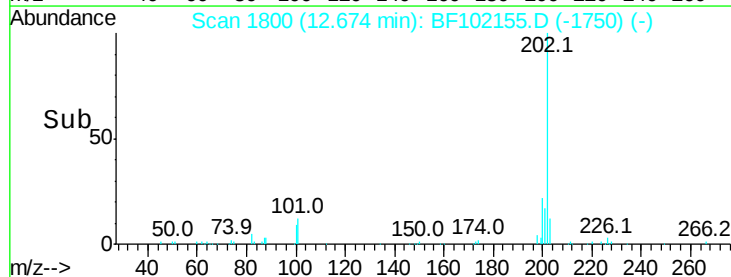
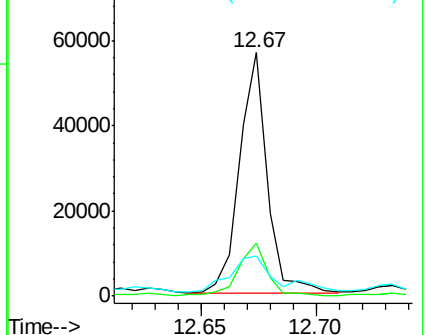
203 16.6 14.3 21.5

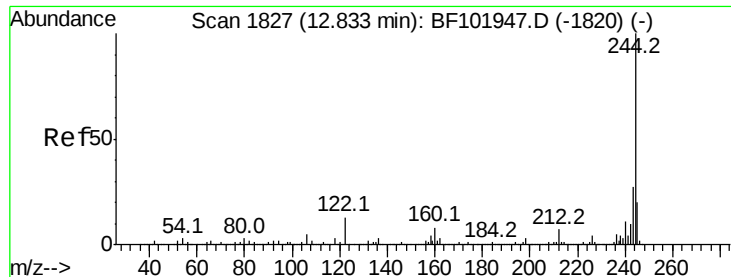


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.072 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

Instrument :

BNA_F

ClientSampleId :

LTP-2

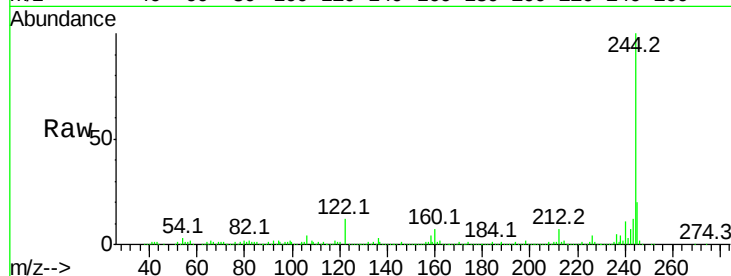
Tot Ion:244 Resp: 574455

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

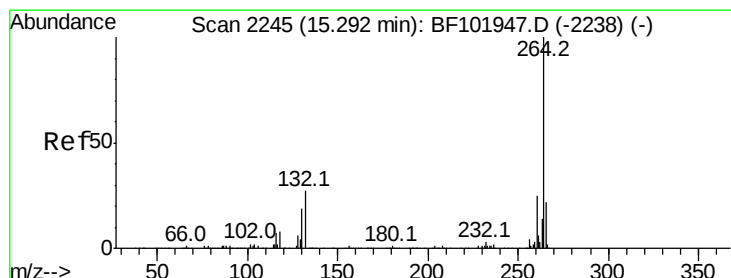
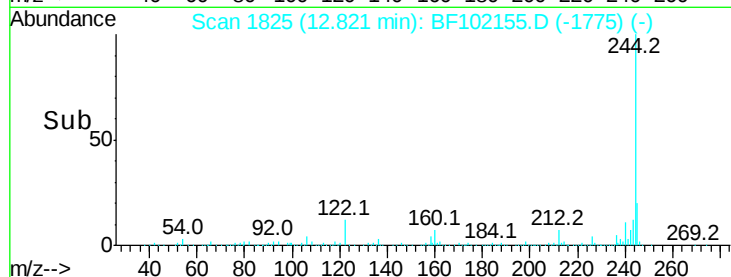
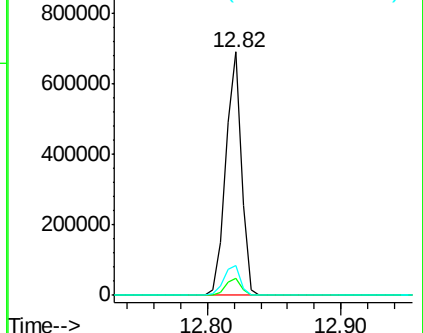
122 12.1 11.0 16.4



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: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102155.D

Acq: 17 Jan 2018 17:39

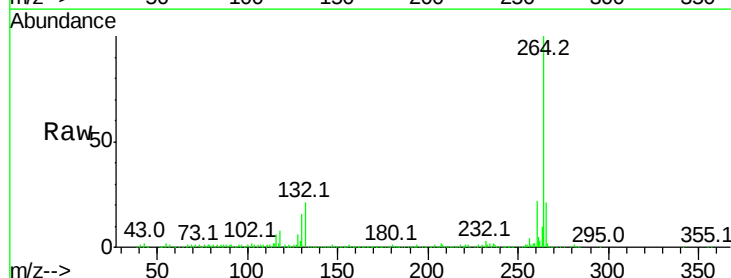
Tgt Ion:264 Resp: 277817

Ion Ratio Lower Upper

264 100

260 22.1 19.2 28.8

265 20.8 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

