

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102989.D
 Acq On : 14 Feb 2018 15:09
 Operator : SJ/JU
 Sample : J1541-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-B-1-3

Quant Time: Feb 14 16:01:05 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	156138	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	623229	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	239519	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	321435	20.00	ng	0.00
75) Chrysene-d12	14.04	240	282499	20.00	ng	0.00
86) Perylene-d12	15.52	264	241917	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1163119	113.13	ng	0.01
7) Phenol-d6	6.51	99	1381106	111.57	ng	0.01
23) Nitrobenzene-d5	7.44	82	878465	97.78	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	193212	100.22	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1147527	79.50	ng	0.00
78) Terphenyl-d14	12.99	244	719359	60.29	ng	0.00

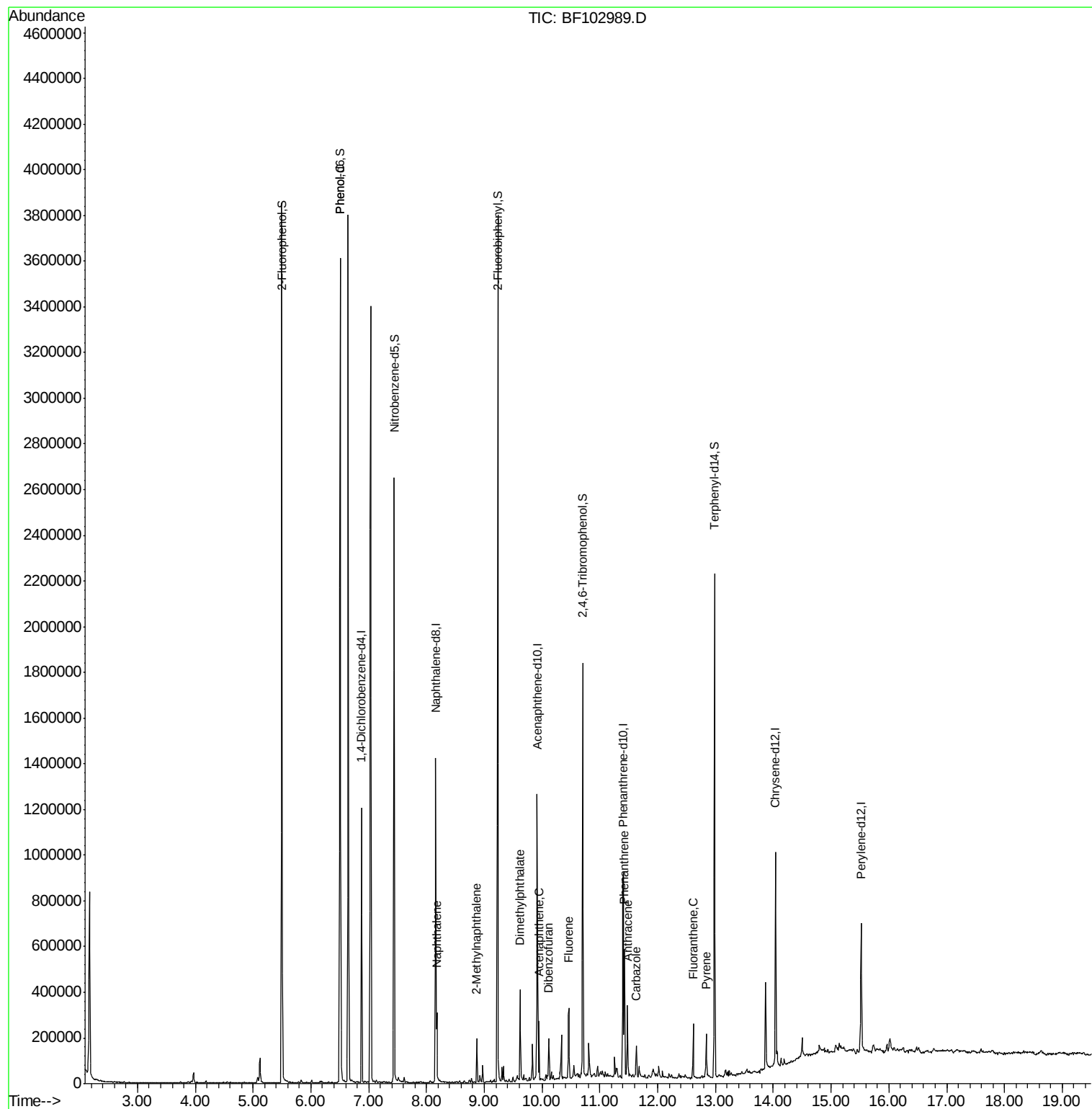
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	47774	3.601	ng	# 70
31) Naphthalene	8.18	128	111754	3.670	ng	98
37) 2-Methylnaphthalene	8.87	142	47424	2.379	ng	96
49) Dimethylphthalate	9.62	163	132452	7.092	ng	100
51) Acenaphthene	9.95	154	44526	3.018	ng	96
54) Dibenzofuran	10.12	168	64380	3.097	ng	98
57) Fluorene	10.46	166	84166	5.564	ng	99
70) Phenanthrene	11.43	178	200740	11.213	ng	98
71) Anthracene	11.47	178	107487	5.903	ng	100
72) Carbazole	11.63	167	54304	3.044	ng	99
74) Fluoranthene	12.62	202	89190	4.952	ng	98
77) Pvrene	12.84	202	66391	2.997	ng	97

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

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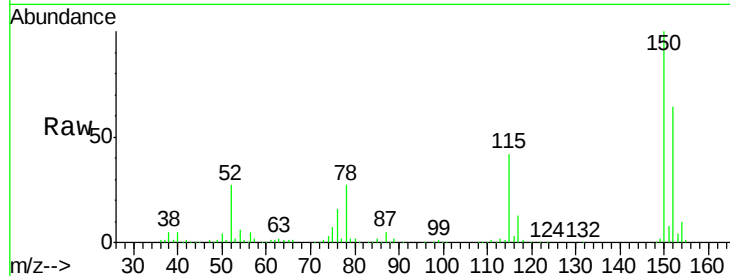


#1

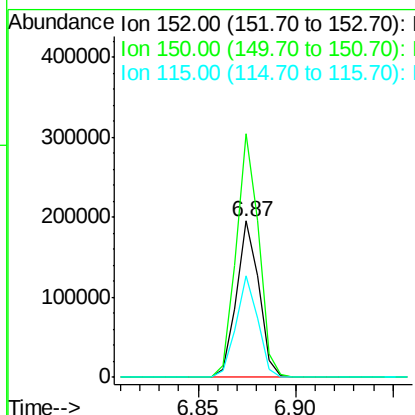
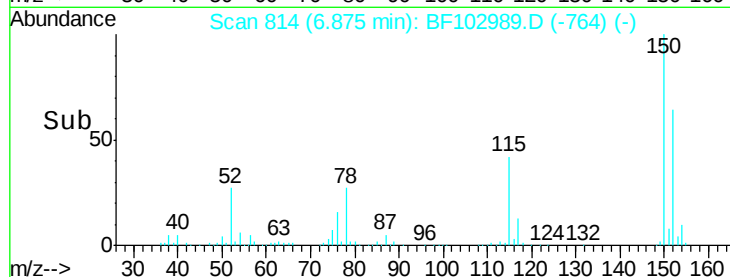
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102989.D
Acq: 14 Feb 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SAMPLE-B-1-3

Tot Ion:152 Resp: 156138
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 64.8 50.1 75.1



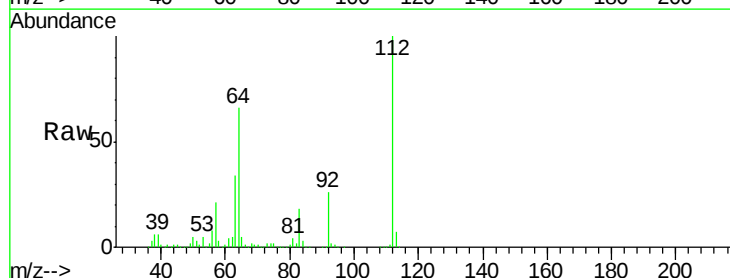
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



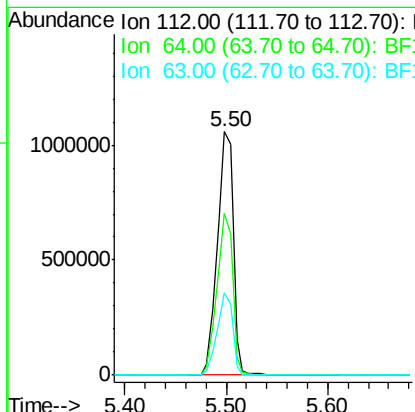
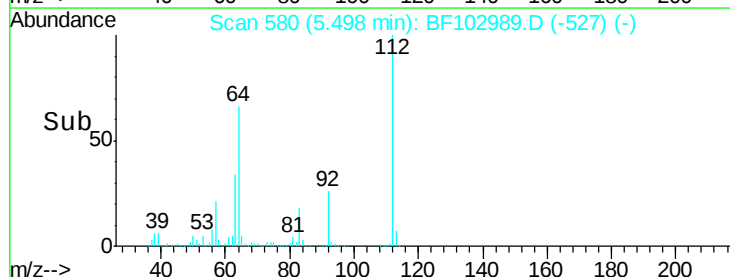
#5

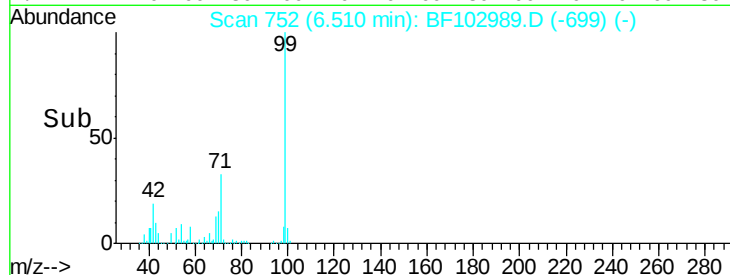
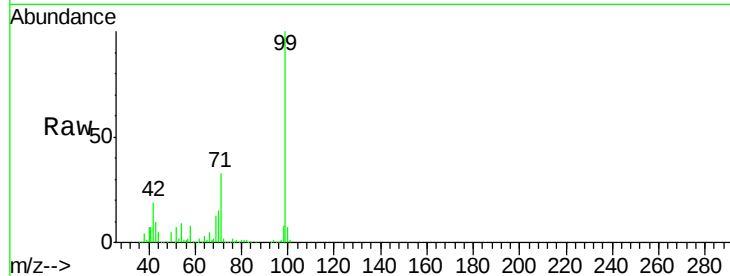
2-Fluorophenol
Concen: 113.130 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102989.D
Acq: 14 Feb 2018 15:09

Tgt Ion:112 Resp: 1163119
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 33.6 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: 111.565 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

Instrument :

BNA_F

ClientSampleId :

SAMPLE-B-1-3

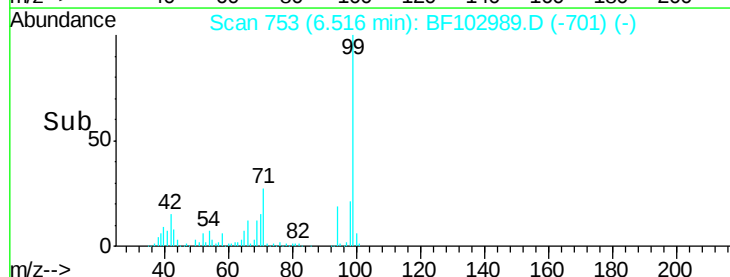
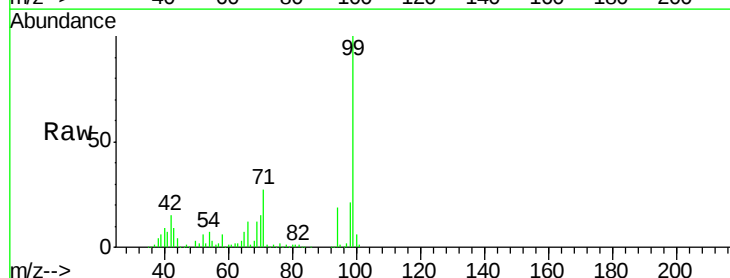
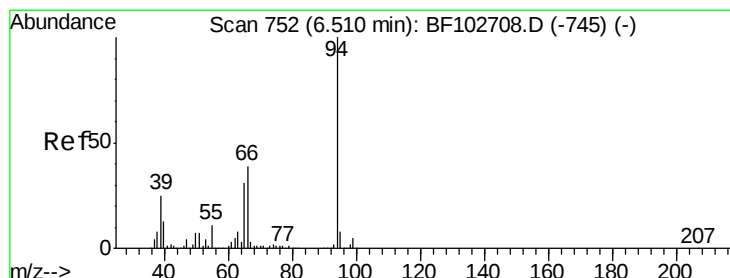
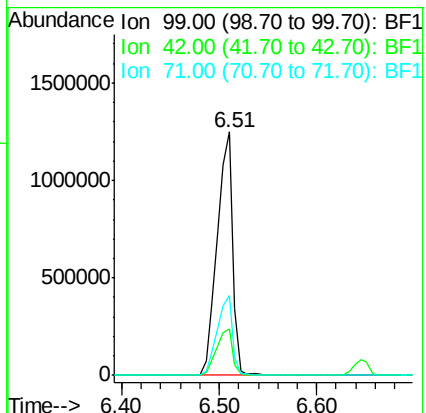
Tot Ion: 99 Resp: 1381106

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 32.5 25.4 38.0



#10

Phenol

Concen: 3.601 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

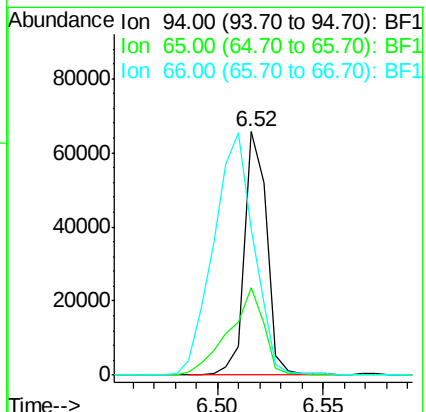
Tgt Ion: 94 Resp: 47774

Ion Ratio Lower Upper

94 100

65 36.0 7.9 47.9

66 60.2 16.2 56.2#

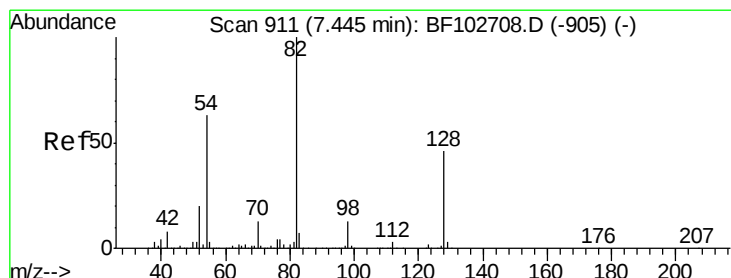
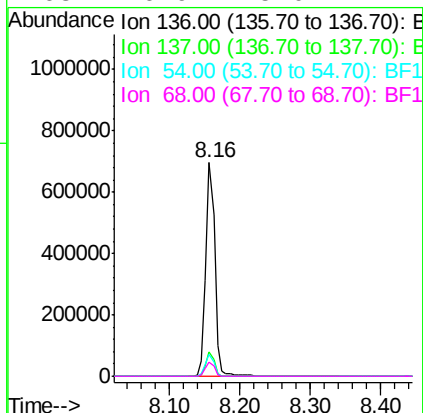
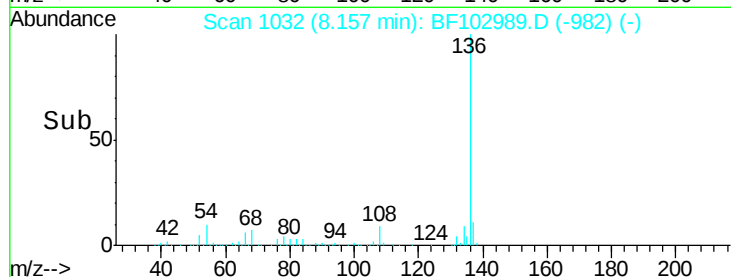
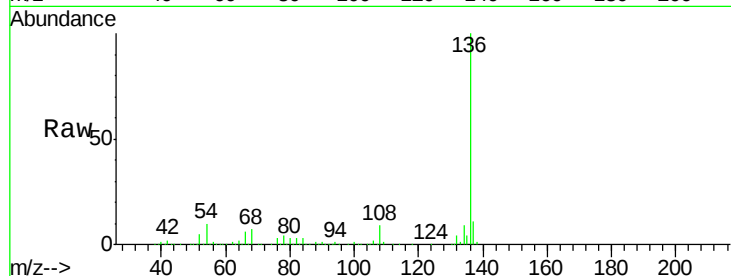




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102989.D
Acq: 14 Feb 2018 15:09

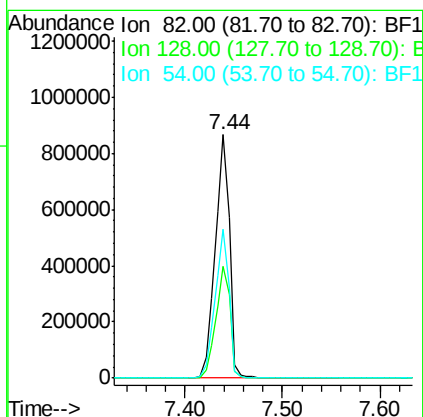
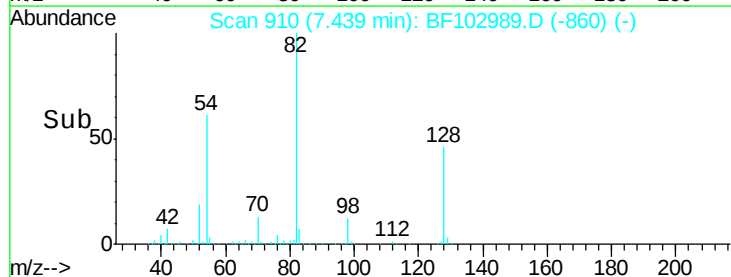
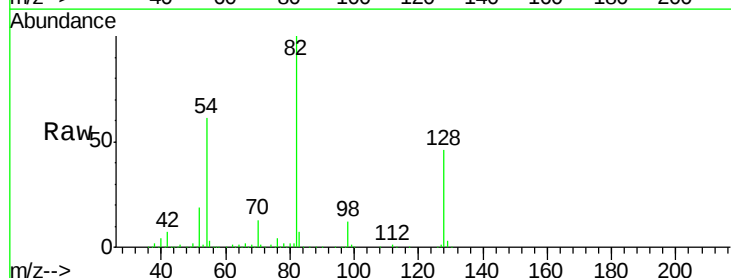
Instrument :
BNA_F
ClientSampleId :
SAMPLE-B-1-3

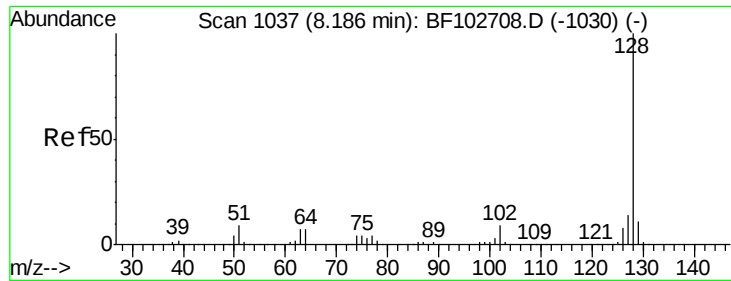
Tot Ion:136	Resp: 623229
Ion Ratio	Lower Upper
136 100	
137 11.1	8.9 13.3
54 10.2	6.6 9.8#
68 6.9	5.0 7.4



#23
Nitrobenzene-d5
Concen: 97.780 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102989.D
Acq: 14 Feb 2018 15:09

Tgt	Ion: 82	Resp:	878465
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	61.3	41.4	62.2

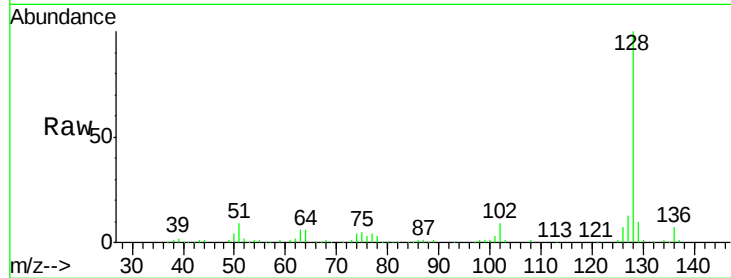




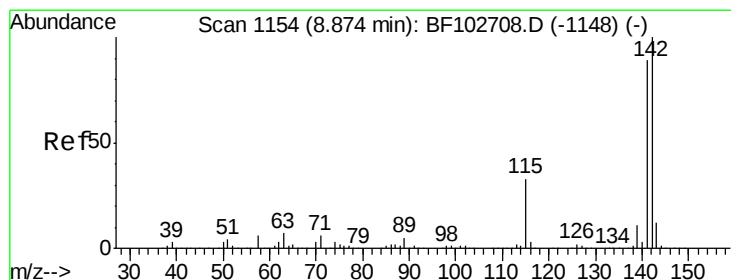
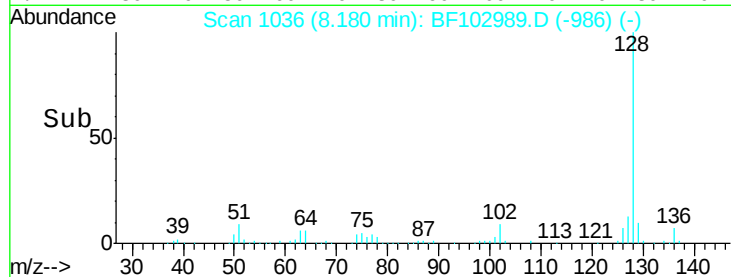
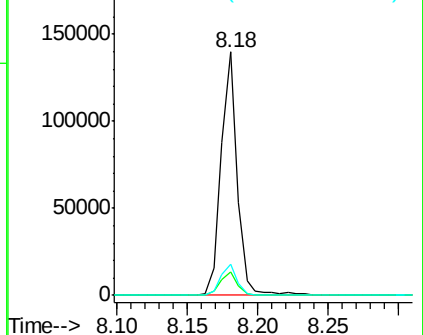
#31
Naphthalene
Concen: 3.670 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102989.D
Acq: 14 Feb 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SAMPLE-B-1-3

Tot Ion:128 Resp: 111754
Ion Ratio Lower Upper
128 100
129 9.7 8.8 13.2
127 13.0 10.9 16.3

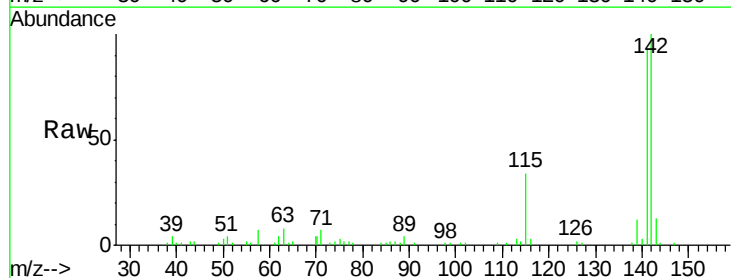


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

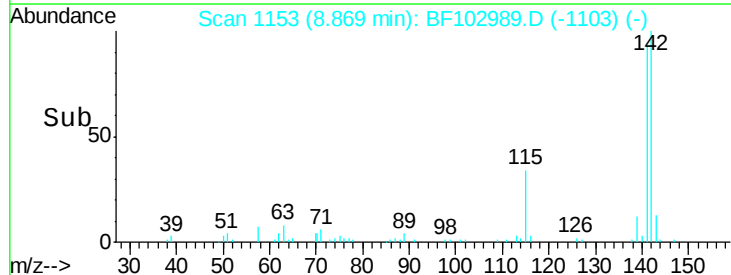
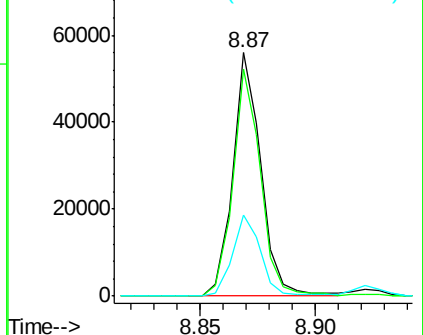


#37
2-Methylnaphthalene
Concen: 2.379 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF102989.D
Acq: 14 Feb 2018 15:09

Tgt Ion:142 Resp: 47424
Ion Ratio Lower Upper
142 100
141 93.1 70.8 106.2
115 33.5 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: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

Instrument :

BNA_F

ClientSampleId :

SAMPLE-B-1-3

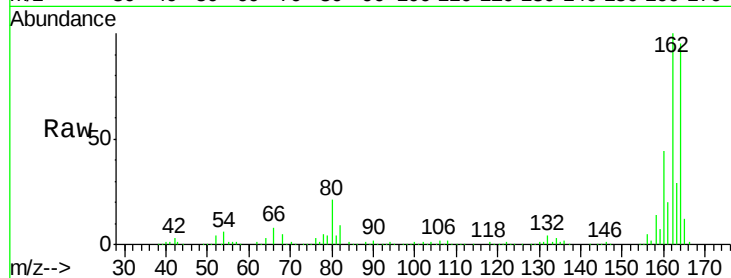
Tot Ion:164 Resp: 239519

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

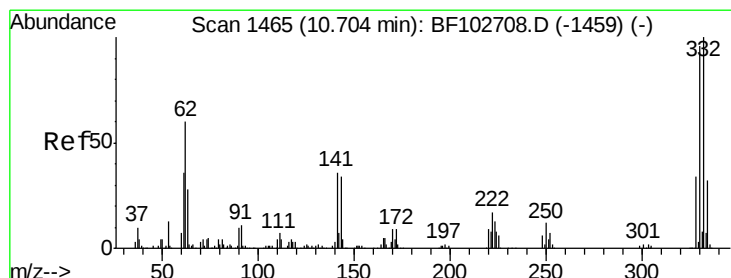
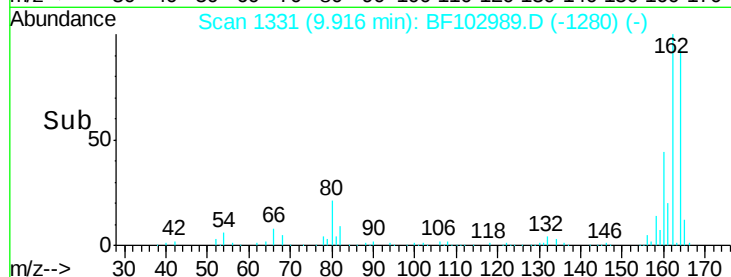
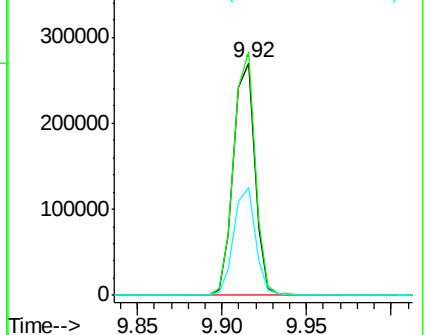
160 46.5 38.3 57.5



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: 100.222 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

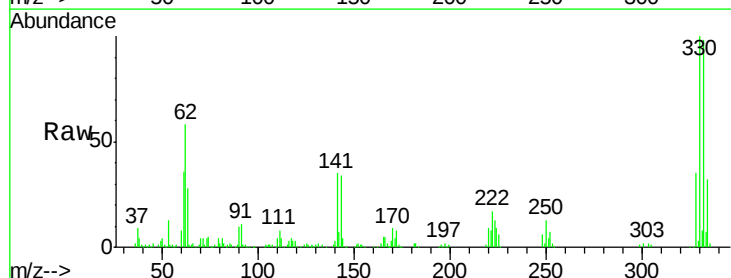
Tgt Ion:330 Resp: 193212

Ion Ratio Lower Upper

330 100

332 100.1 77.0 115.6

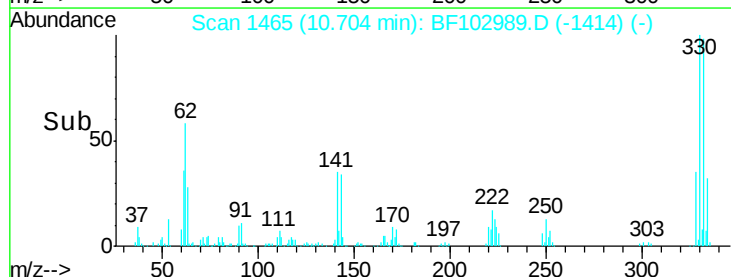
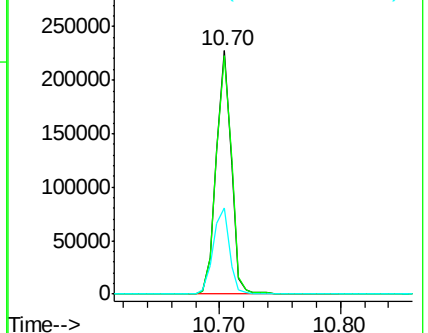
141 38.8 29.9 44.9

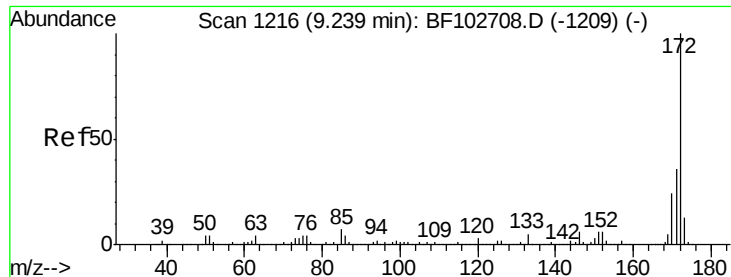


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

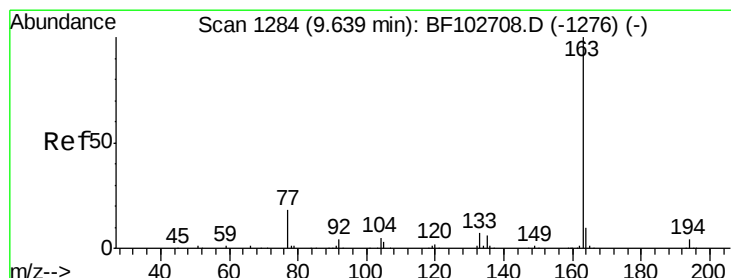
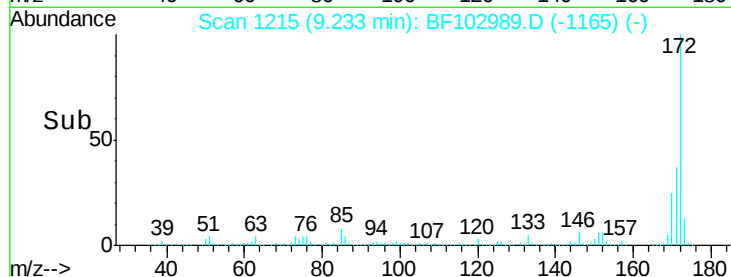
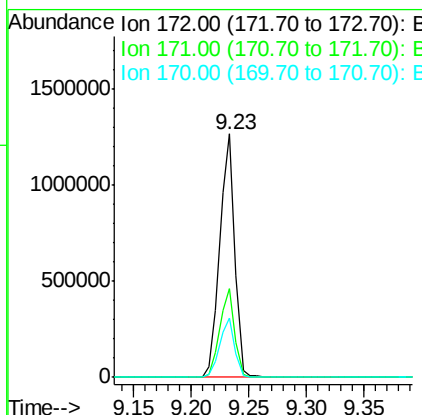
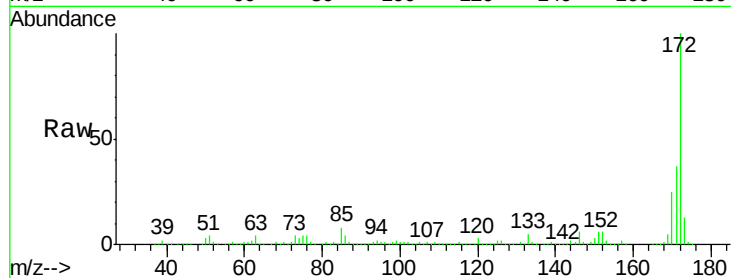




#44
2-Fluorobiphenyl
Concen: 79.499 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102989.D
Acq: 14 Feb 2018 15:09

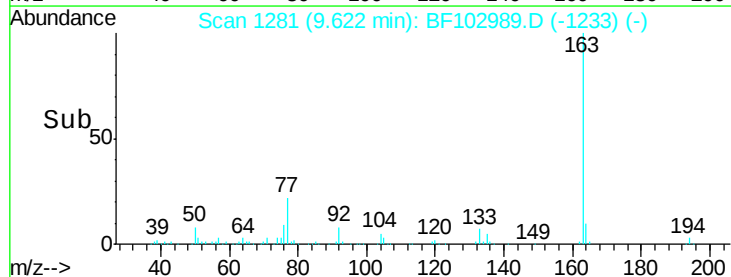
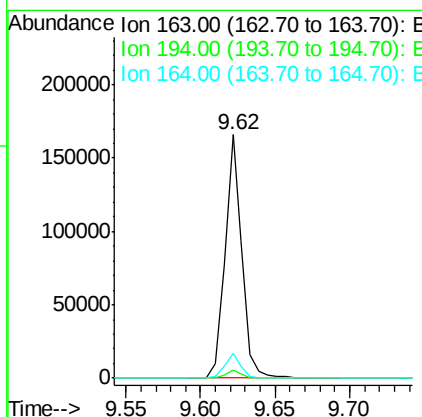
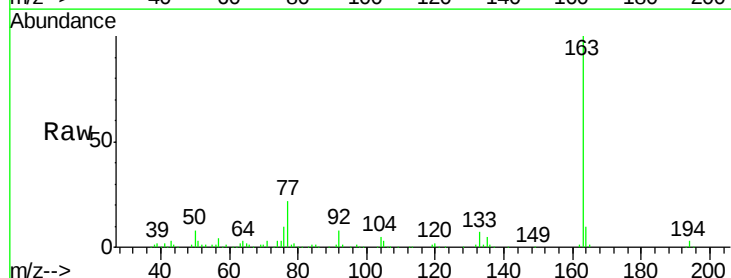
Instrument :
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SAMPLE-B-1-3

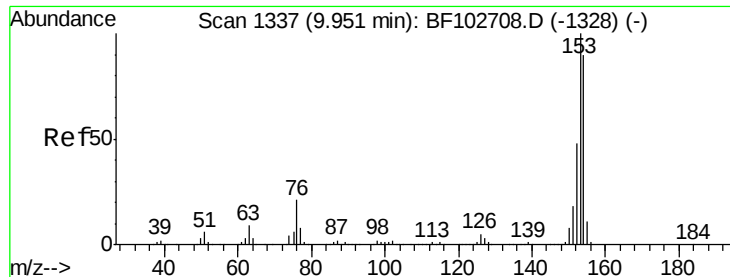
Tot Ion:172 Resp: 1147527
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.6 19.6 29.4



#49
Dimethylphthalate
Concen: 7.092 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102989.D
Acq: 14 Feb 2018 15:09

Tgt Ion:163 Resp: 132452
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.4 8.2 12.2





#51

Acenaphthene

Concen: 3.018 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

Instrument :

BNA_F

ClientSampleId :

SAMPLE-B-1-3

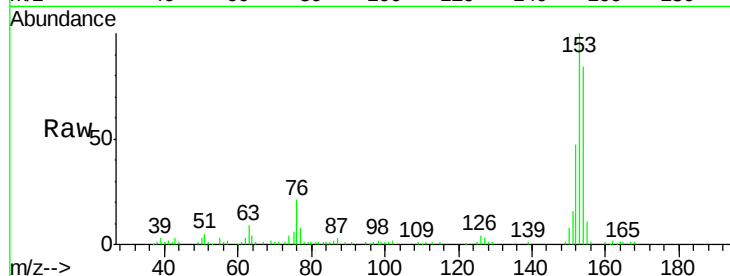
Tot Ion:154 Resp: 44526

Ion Ratio Lower Upper

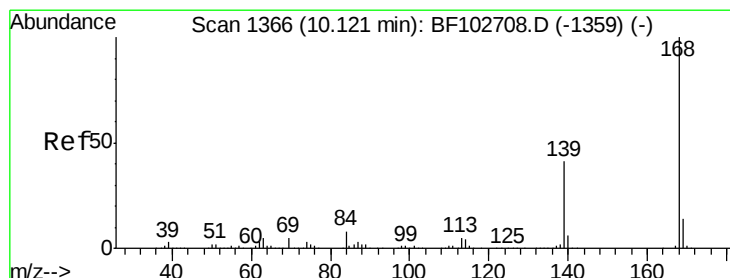
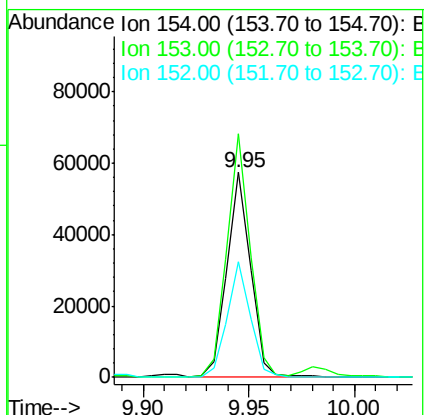
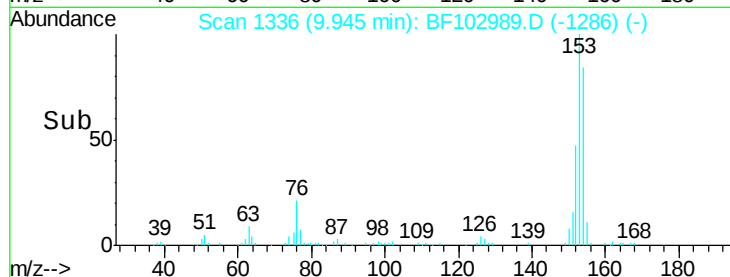
154 100

153 118.8 91.2 136.8

152 56.4 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



#54

Dibenzofuran

Concen: 3.097 ng

RT: 10.12 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

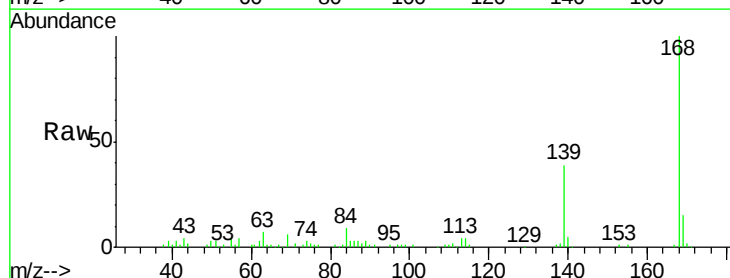
Tgt Ion:168 Resp: 64380

Ion Ratio Lower Upper

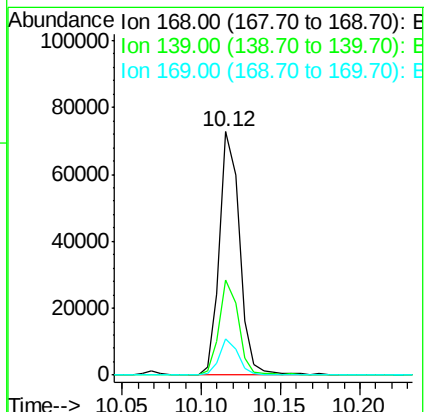
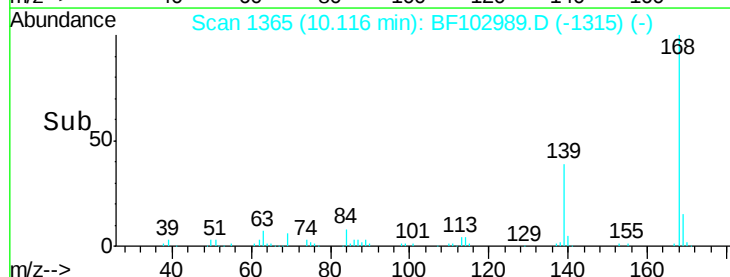
168 100

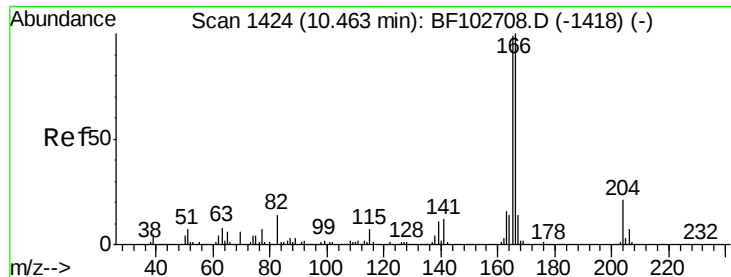
139 38.8 30.1 45.1

169 14.8 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

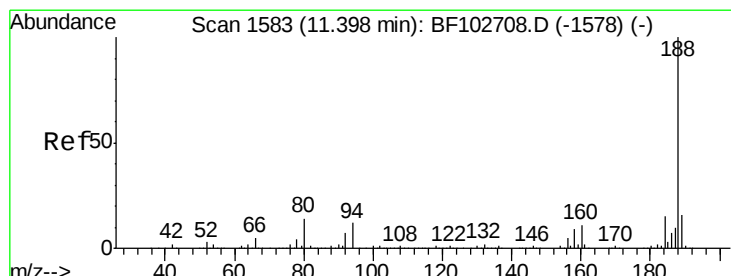
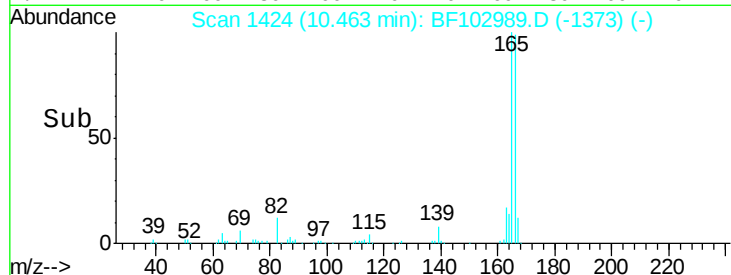
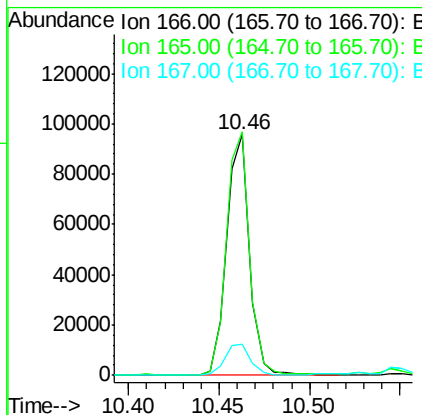
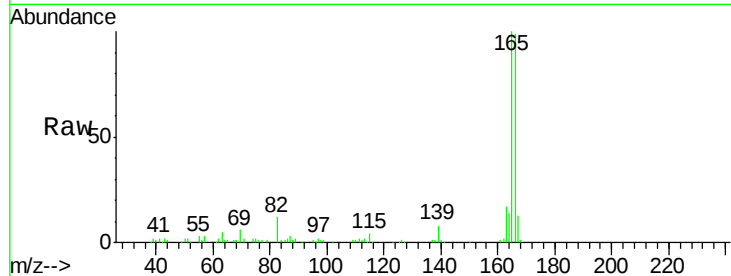




#57
 Fluorene
 Concen: 5.564 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF102989.D
 Acq: 14 Feb 2018 15:09

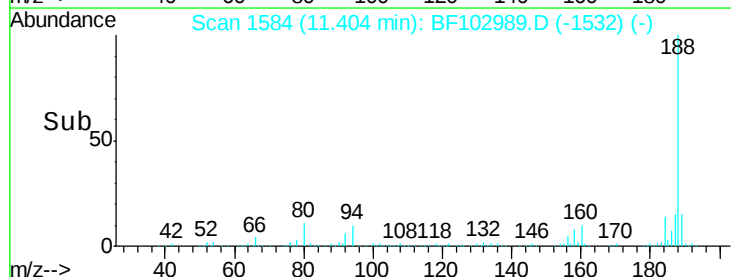
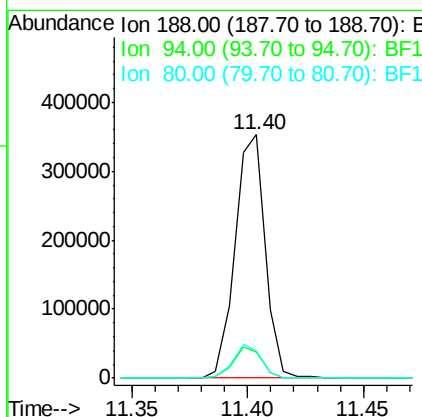
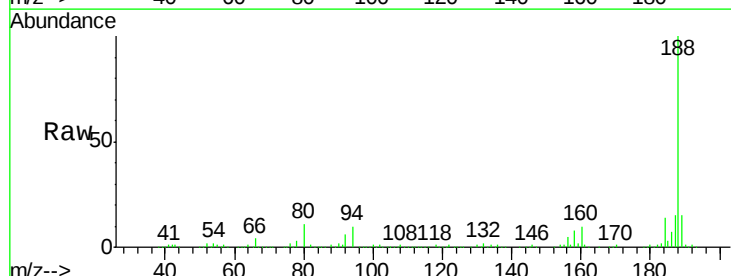
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-B-1-3

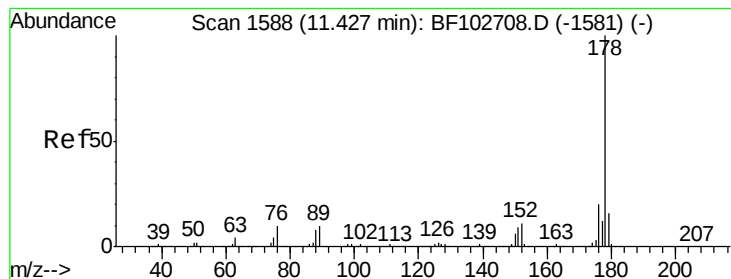
Tot Ion:166 Resp: 84166
 Ion Ratio Lower Upper
 166 100
 165 101.2 79.8 119.8
 167 12.9 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: BF102989.D
 Acq: 14 Feb 2018 15:09

Tgt Ion:188 Resp: 321435
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.3 9.2 13.8





#70

Phenanthrene

Concen: 11.213 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

Instrument :

BNA_F

ClientSampleId :

SAMPLE-B-1-3

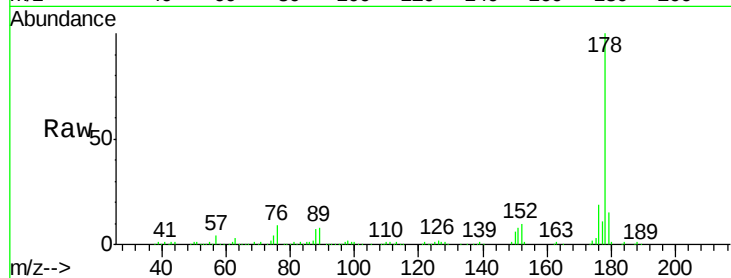
Tot Ion:178 Resp: 200740

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

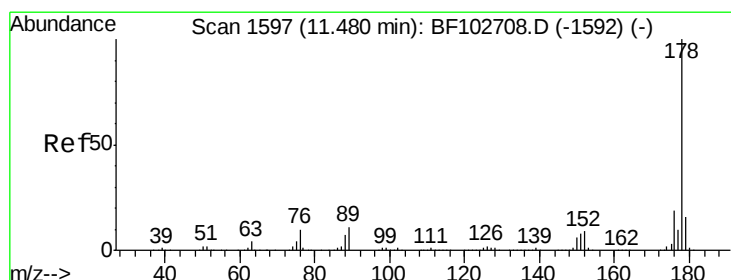
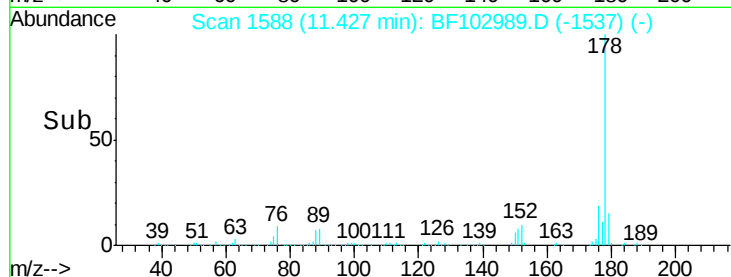
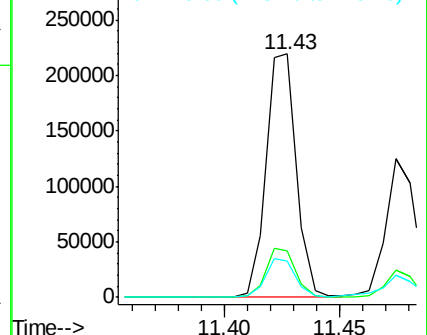
179 15.0 13.0 19.6



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



#71

Anthracene

Concen: 5.903 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

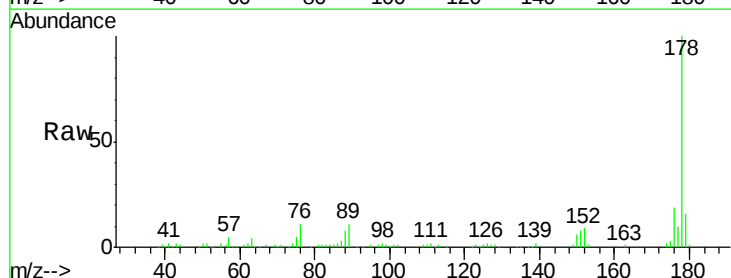
Tgt Ion:178 Resp: 107487

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

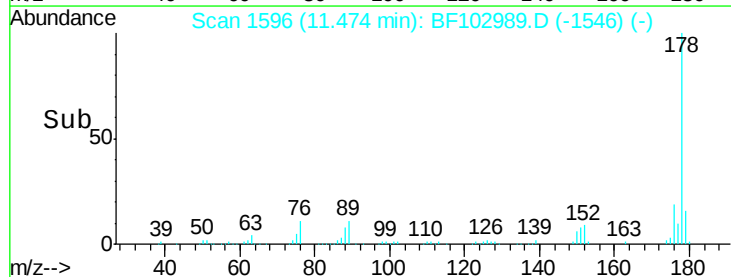
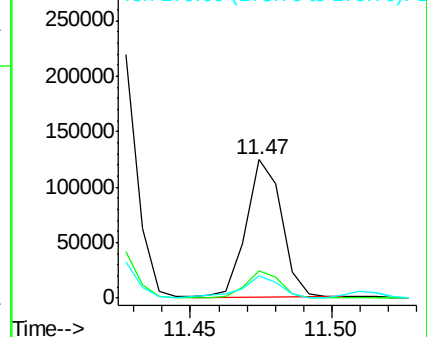
179 15.7 12.6 19.0

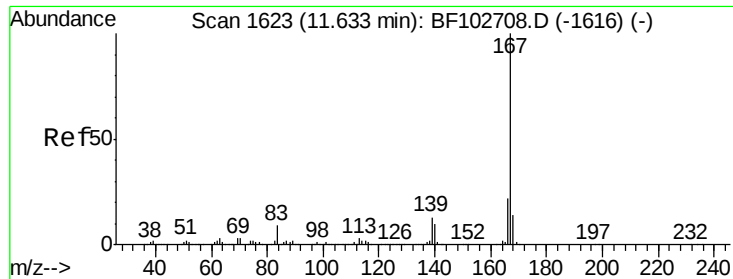


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.044 ng

RT: 11.63 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

Instrument :

BNA_F

ClientSampleId :

SAMPLE-B-1-3

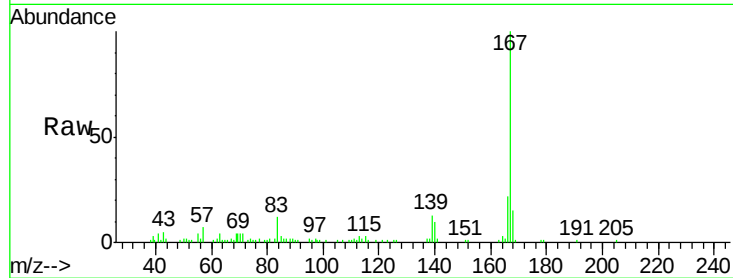
Tot Ion:167 Resp: 54304

Ion Ratio Lower Upper

167 100

166 21.6 17.6 26.4

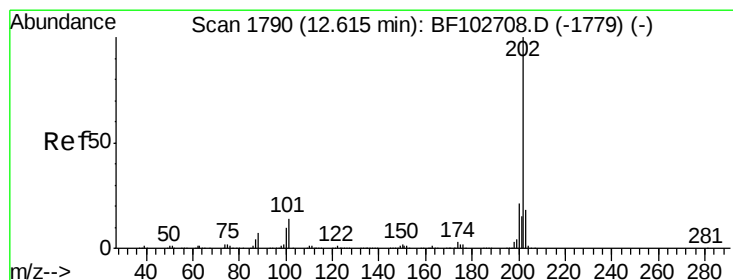
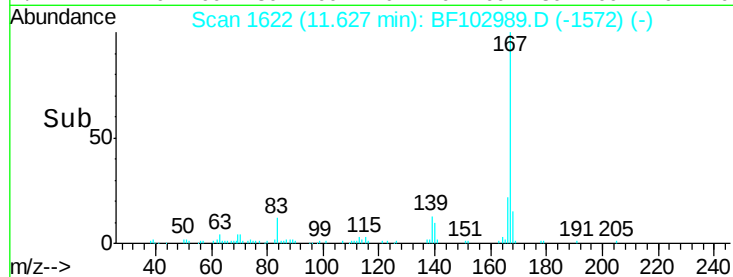
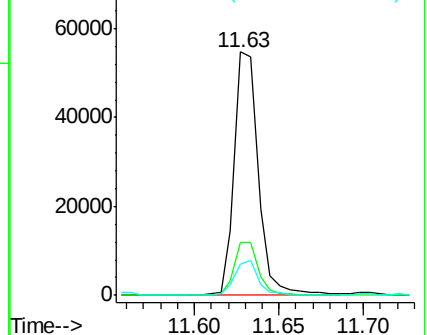
139 12.9 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 4.952 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

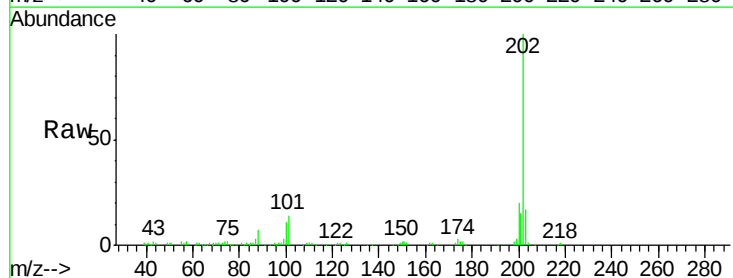
Tgt Ion:202 Resp: 89190

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

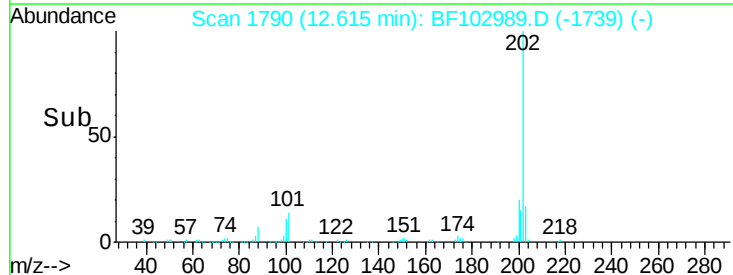
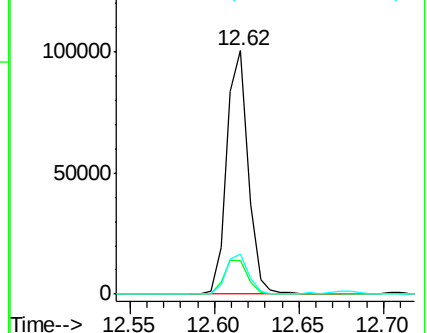
203 16.7 0.0 38.1

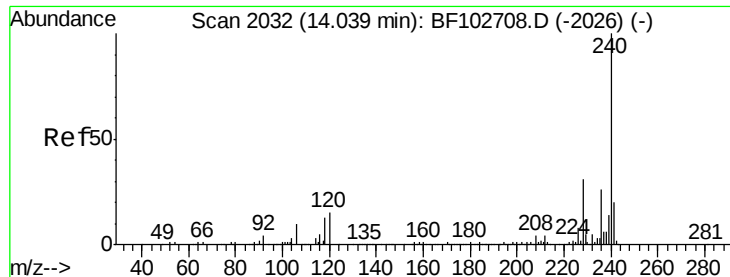


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

Instrument :

BNA_F

ClientSampleId :

SAMPLE-B-1-3

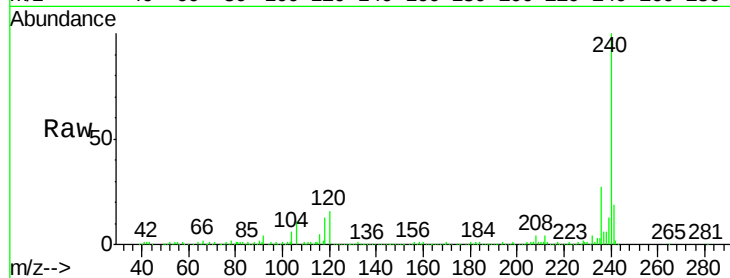
Tot Ion:240 Resp: 282499

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

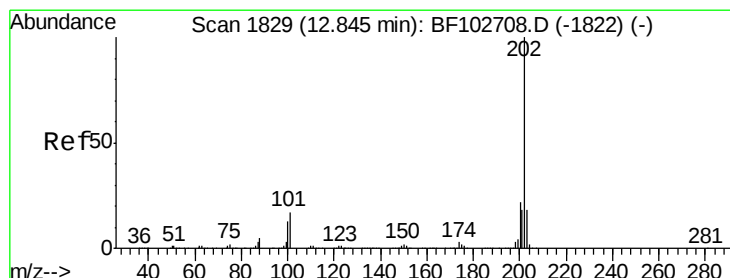
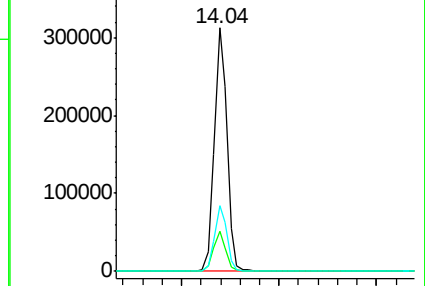
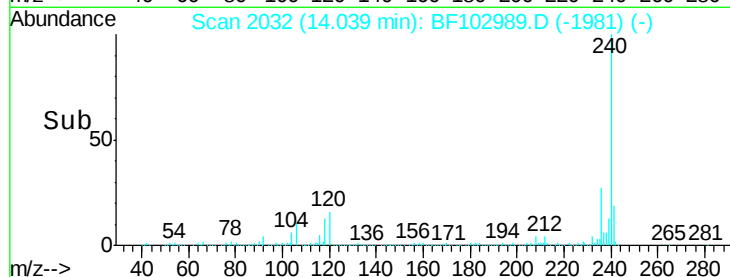
236 27.1 20.7 31.1



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



#77

Pyrene

Concen: 2.997 ng

RT: 12.84 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

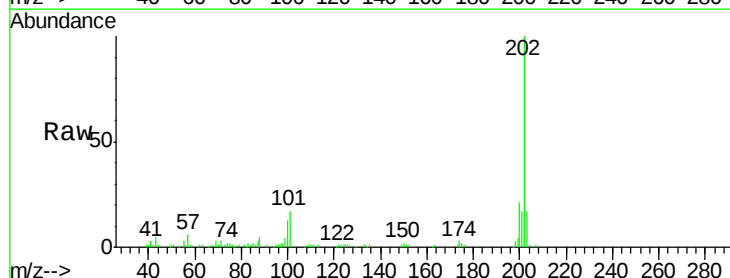
Tgt Ion:202 Resp: 66391

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

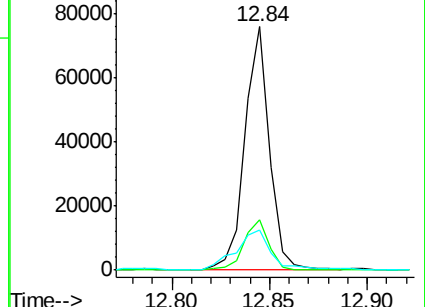
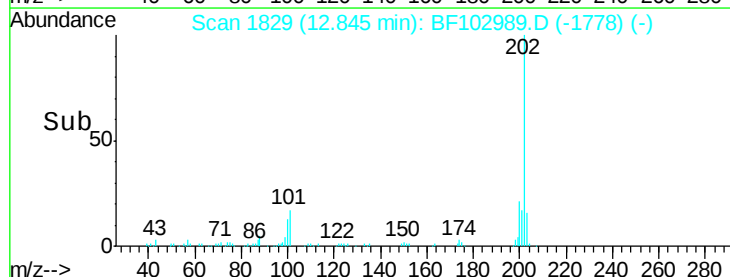
203 16.7 14.3 21.5

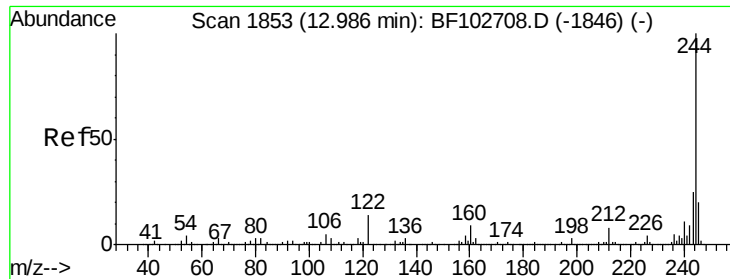


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.293 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

Instrument :

BNA_F

ClientSampleId :

SAMPLE-B-1-3

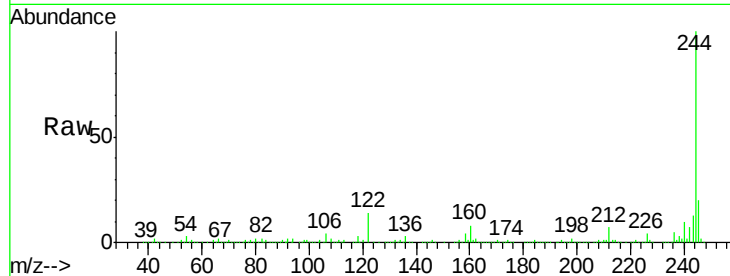
Tot Ion:244 Resp: 719359

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

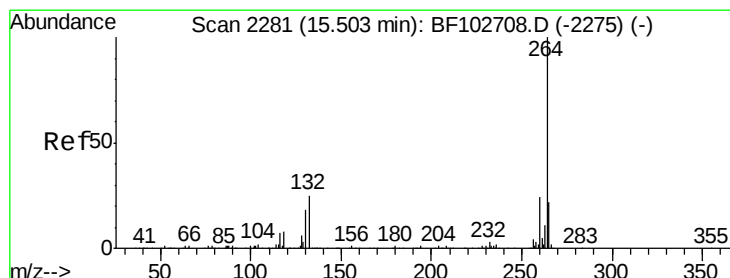
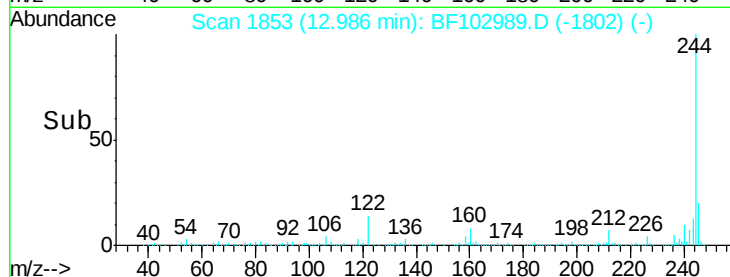
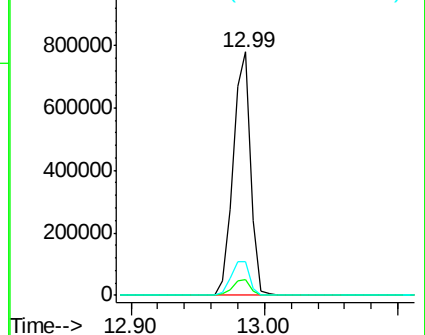
122 13.8 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.02 min

Lab File: BF102989.D

Acq: 14 Feb 2018 15:09

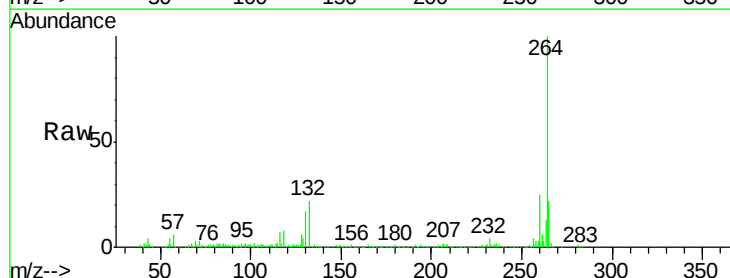
Tgt Ion:264 Resp: 241917

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

265 22.3 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

