

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103693.D
 Acq On : 16 Mar 2018 13:45
 Operator : JU/SJ
 Sample : J1867-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C190137

Quant Time: Mar 16 15:57:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 16 13:24:19 2018
 Response via : Initial Calibration

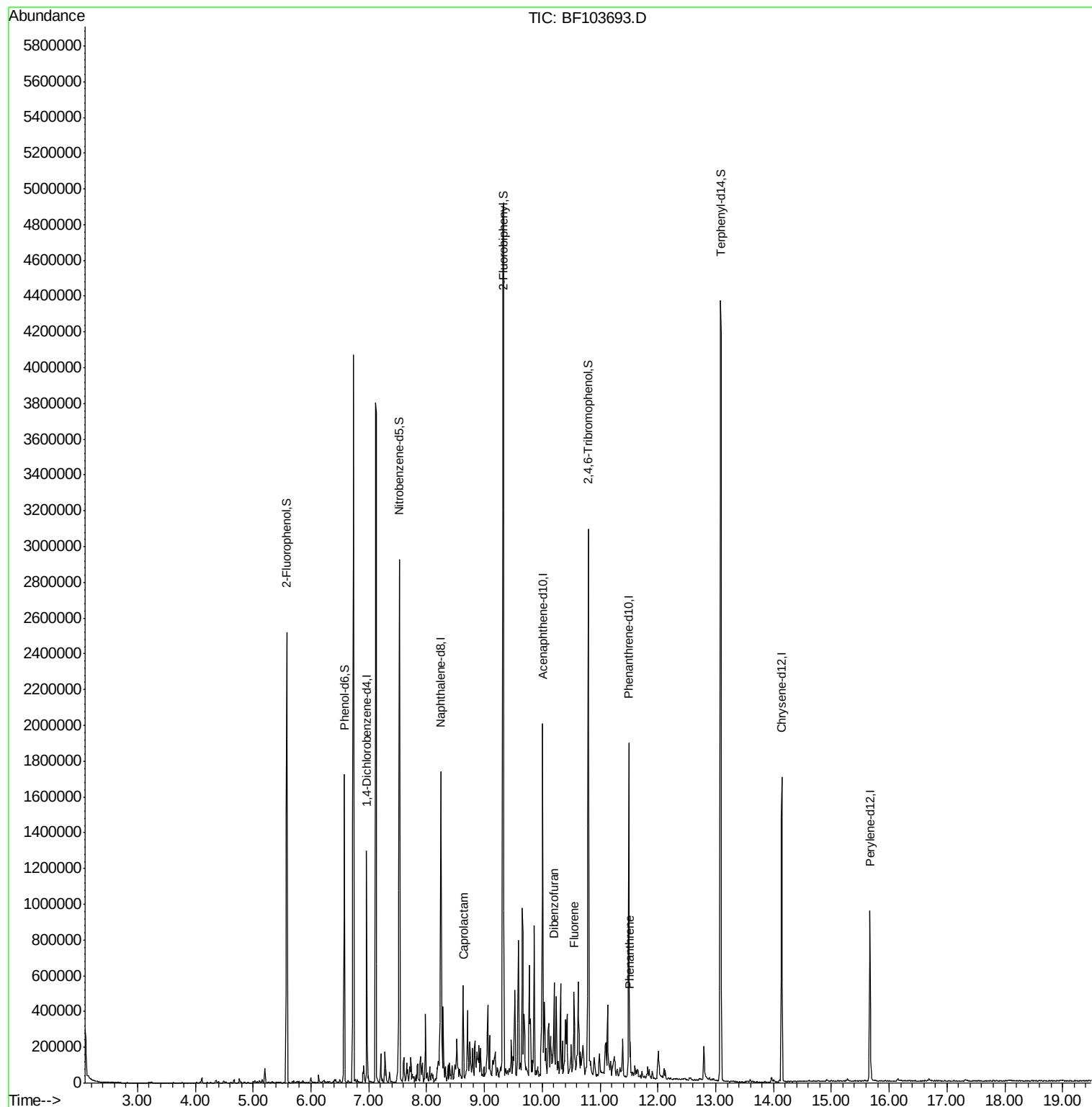
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	180880	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	742535	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	353985	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	645870	20.00	ng	0.00
75) Chrysene-d12	14.14	240	556469	20.00	ng	0.00
86) Perylene-d12	15.67	264	434783	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	705727	59.34	ng	0.00
7) Phenol-d6	6.57	99	539000	37.05	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1135623	106.65	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	432869	142.22	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1822091	82.11	ng	0.00
78) Terphenyl-d14	13.09	244	1832908	76.45	ng	0.00
Target Compounds						
35) Caprolactam	8.64	113	31406	9.494	ng	# 85
54) Dibenzofuran	10.21	168	70099	2.274	ng	# 94
57) Fluorene	10.55	166	96697	4.042	ng	99
70) Phenanthrene	11.52	178	77071	2.181	ng	99

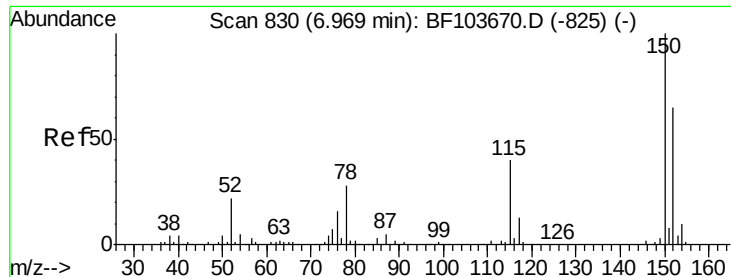
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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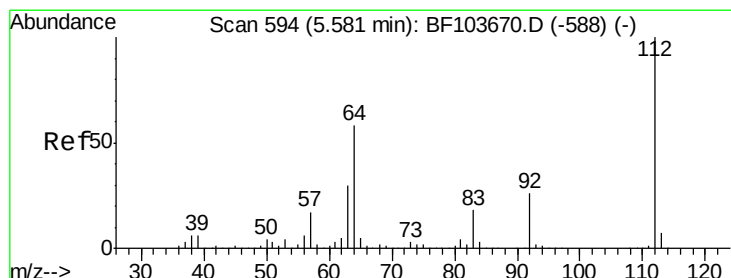
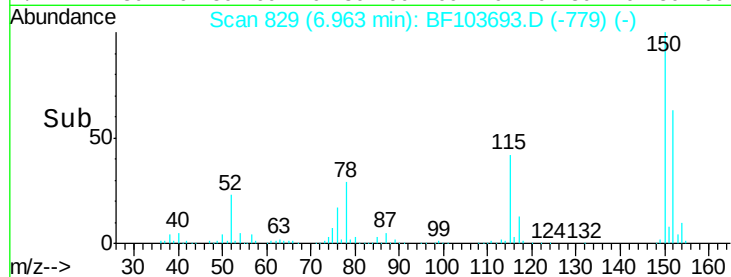
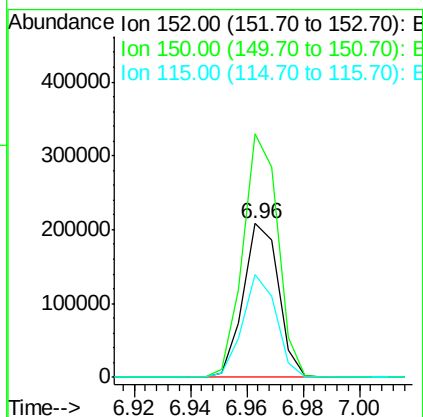
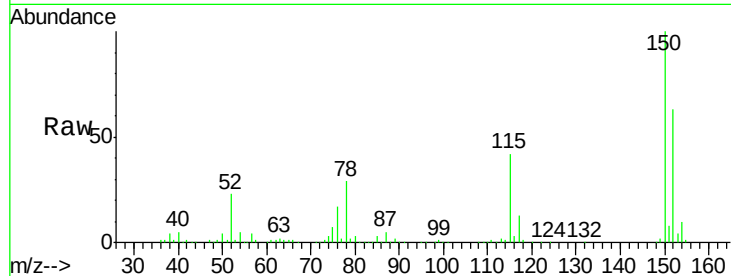


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF103693.D
Acq: 16 Mar 2018 13:45

Instrument :
BNA_F
ClientSampleId :
C190137

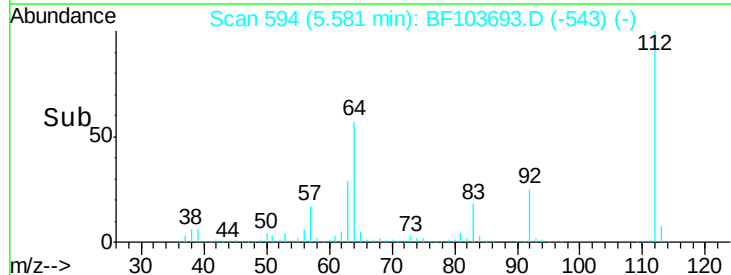
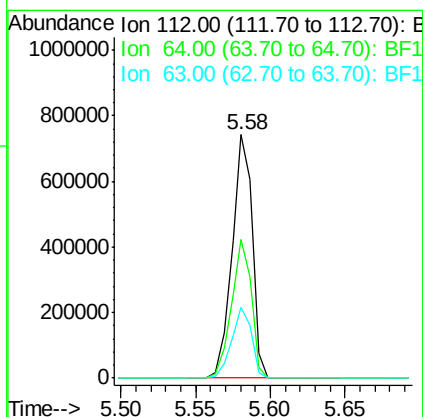
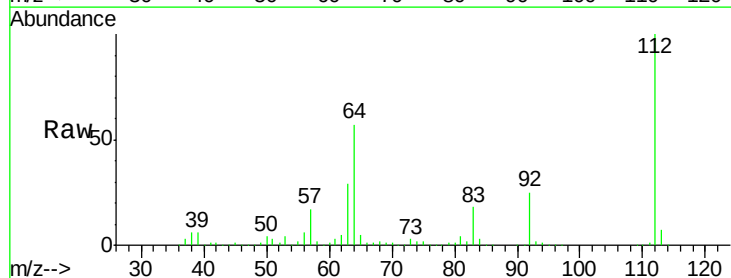
Tot Ion:152 Resp: 180880
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 67.0 50.1 75.1

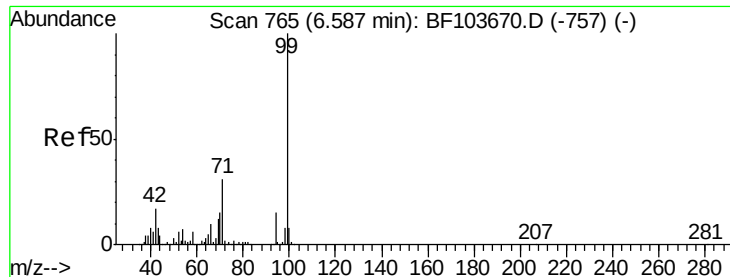


#5

2-Fluorophenol
Concen: 59.344 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF103693.D
Acq: 16 Mar 2018 13:45

Tgt Ion:112 Resp: 705727
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 29.2 23.7 35.5





#7

Phenol-d6

Concen: 37.046 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF103693.D

Acq: 16 Mar 2018 13:45

Instrument :

BNA_F

ClientSampleId :

C190137

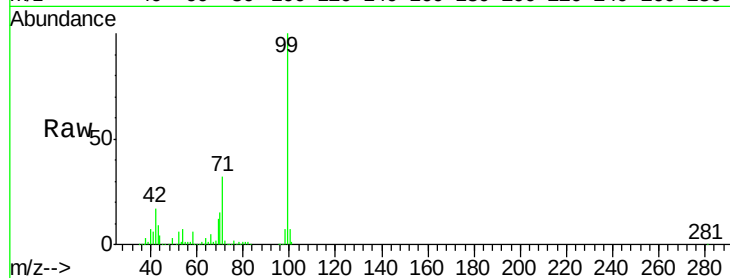
Tot Ion: 99 Resp: 539000

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

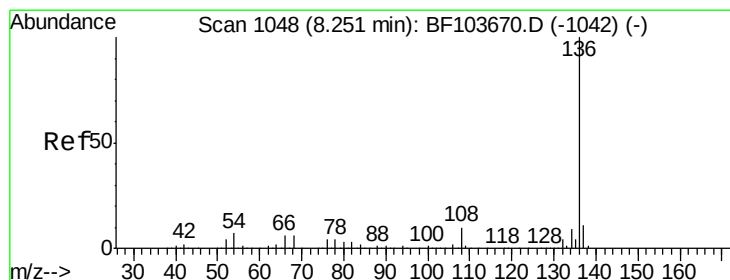
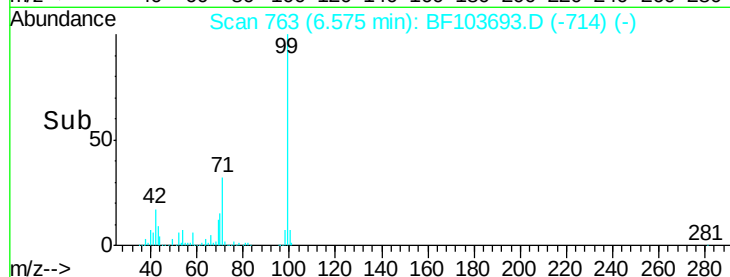
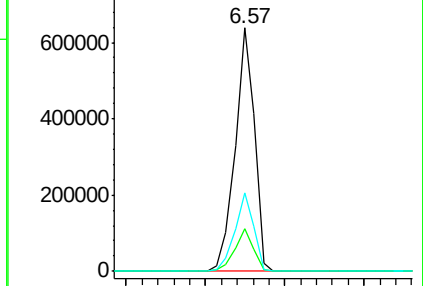
71 32.4 25.4 38.0



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: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF103693.D

Acq: 16 Mar 2018 13:45

Tgt Ion: 136 Resp: 742535

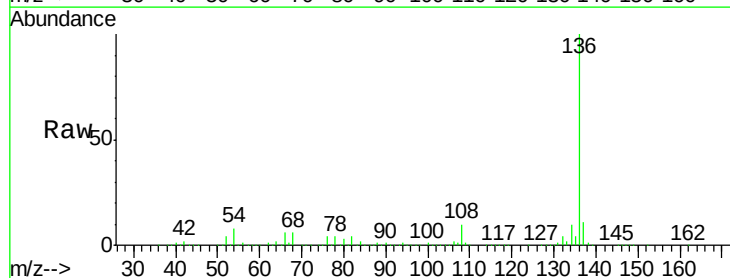
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.7 6.6 9.8

68 6.3 5.0 7.4

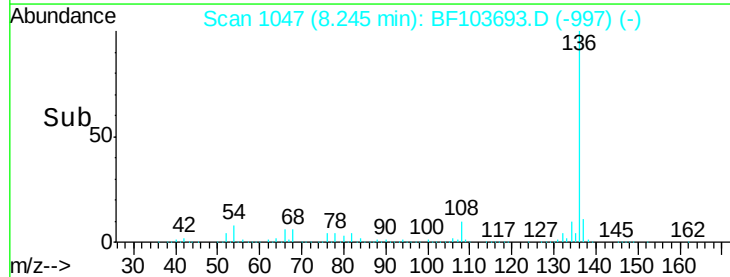
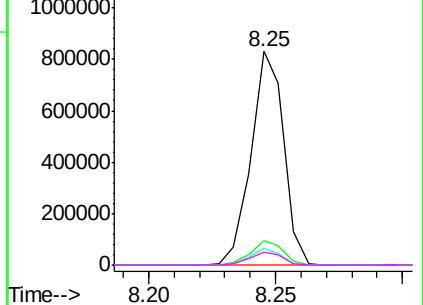


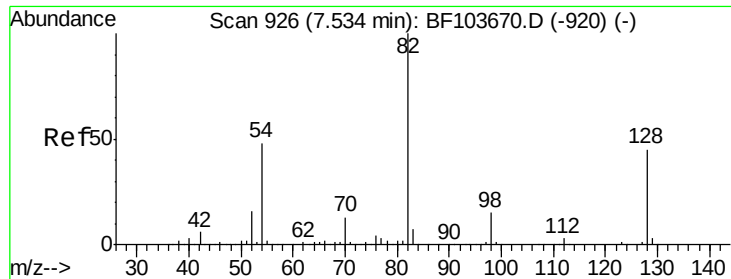
Abundance Ion 136.00 (135.70 to 136.70): E

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





#23

Nitrobenzene-d5

Concen: 106.653 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF103693.D

Acq: 16 Mar 2018 13:45

Instrument :

BNA_F

ClientSampleId :

C190137

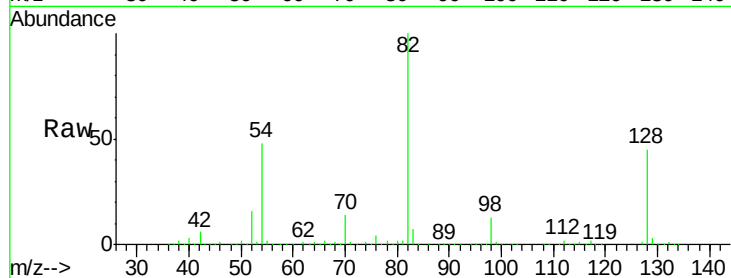
Tot Ion: 82 Resp: 1135623

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

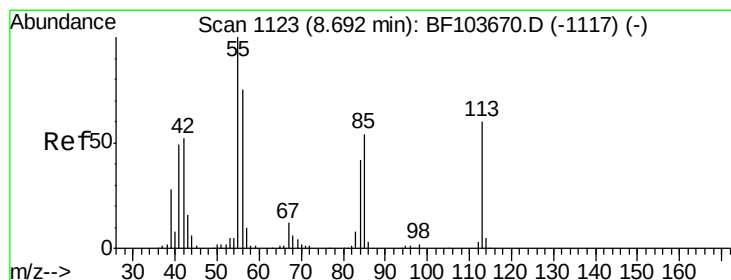
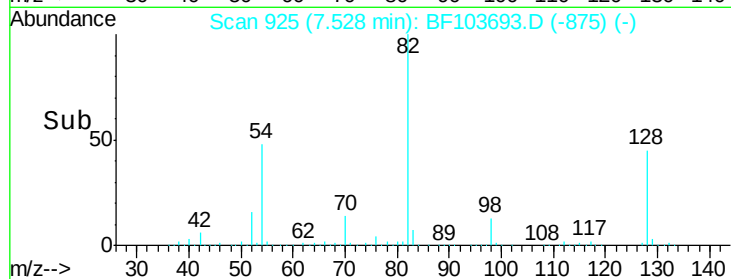
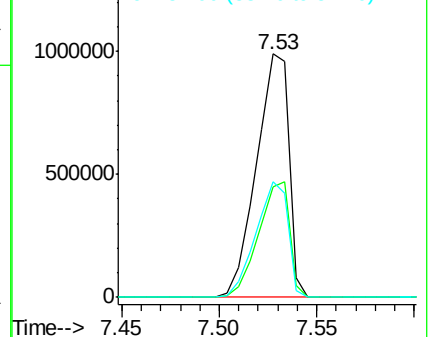
54 47.7 41.4 62.2



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



#35

Caprolactam

Concen: 9.494 ng

RT: 8.64 min Scan# 1114

Delta R.T. -0.05 min

Lab File: BF103693.D

Acq: 16 Mar 2018 13:45

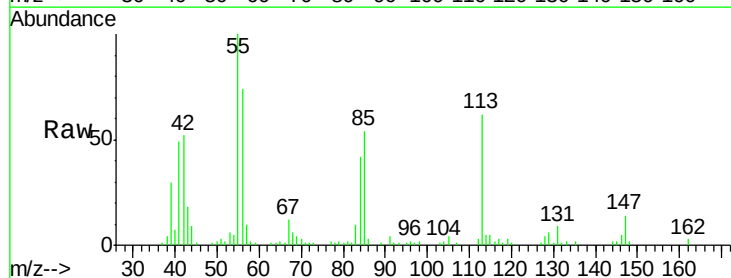
Tgt Ion: 113 Resp: 31406

Ion Ratio Lower Upper

113 100

55 160.6 163.3 203.3#

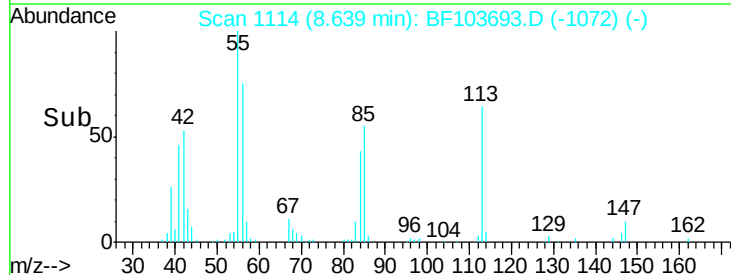
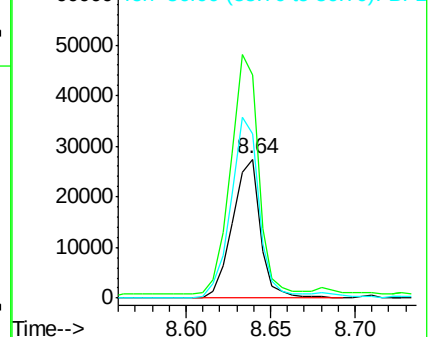
56 118.4 115.7 155.7

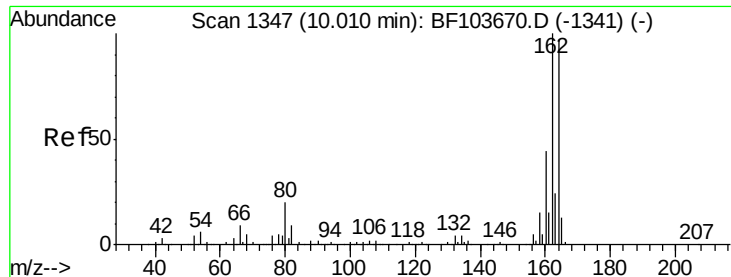


Abundance Ion 113.00 (112.70 to 113.70): BF1

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

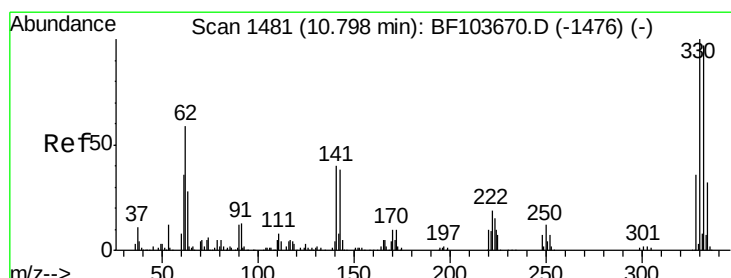
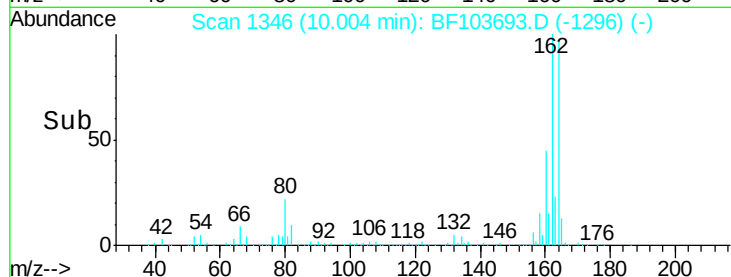
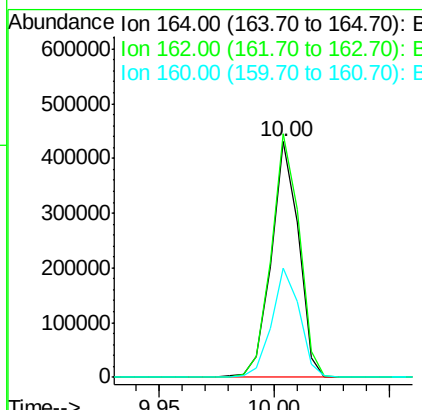
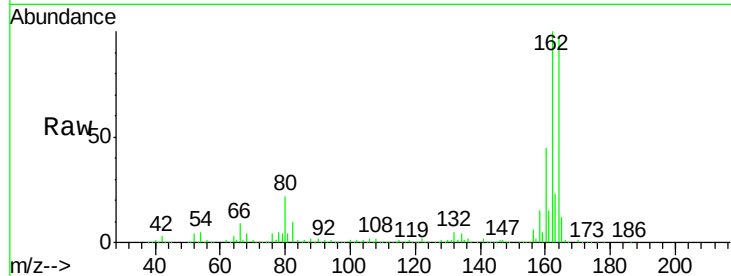




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

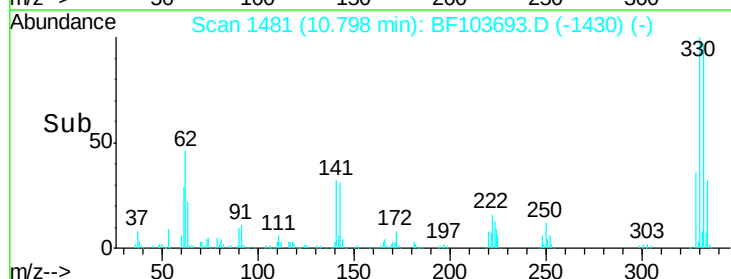
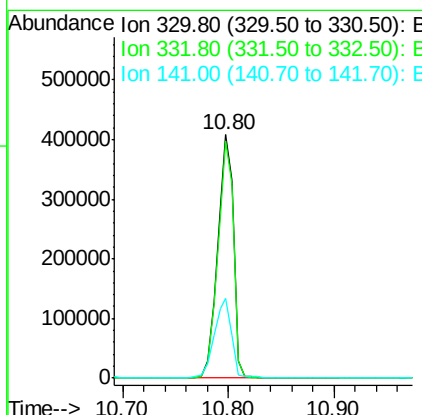
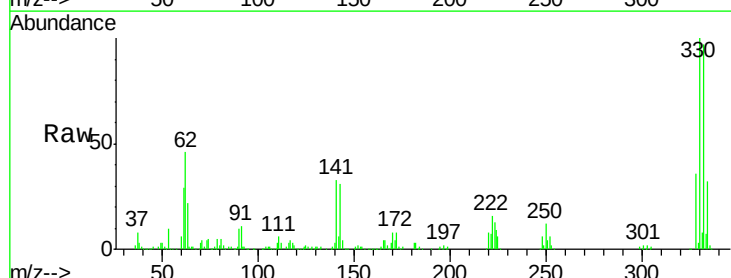
Instrument :
 BNA_F
 ClientSampleId :
 C190137

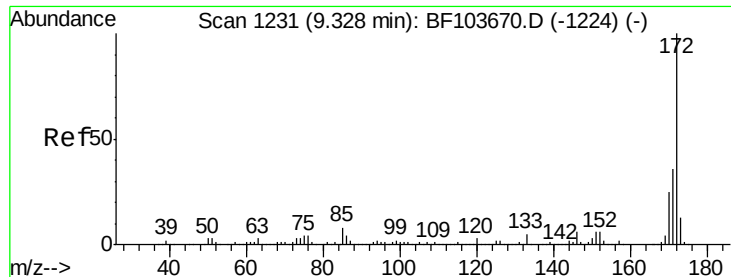
Tot Ion:164 Resp: 353985
 Ion Ratio Lower Upper
 164 100
 162 103.3 86.1 129.1
 160 46.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 142.223 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion:330 Resp: 432869
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 35.4 29.9 44.9

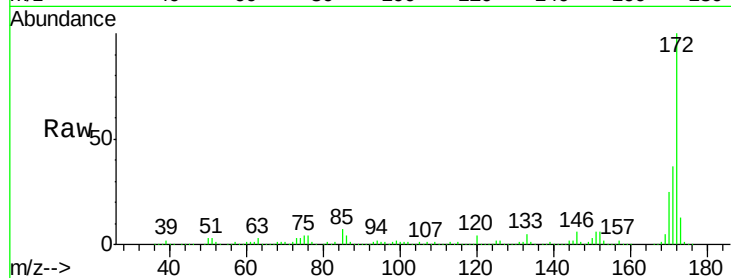




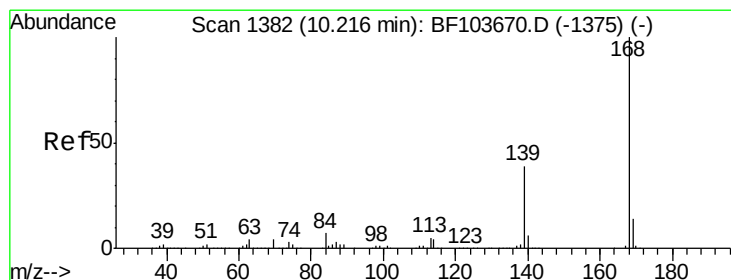
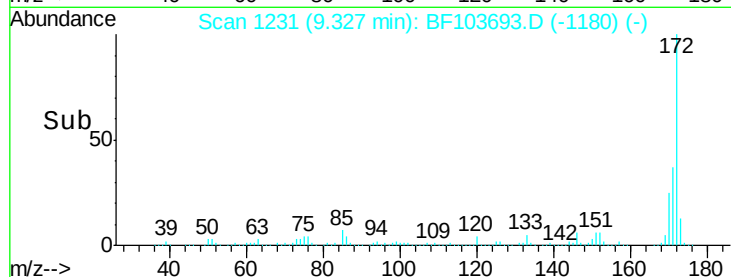
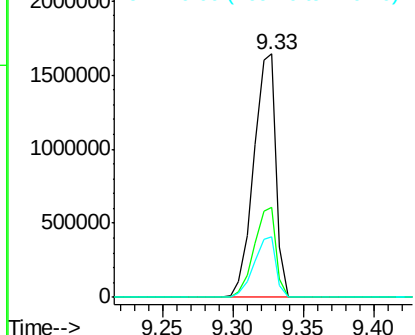
#44
2-Fluorobiphenyl
Concen: 82.108 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BF103693.D
Acq: 16 Mar 2018 13:45

Instrument :
BNA_F
ClientSampleId :
C190137

Tot Ion:172 Resp: 1822091
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.8 19.6 29.4

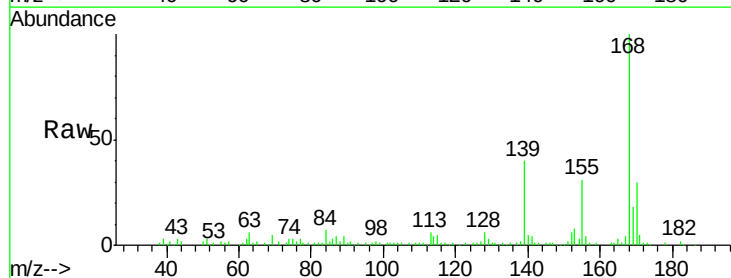


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

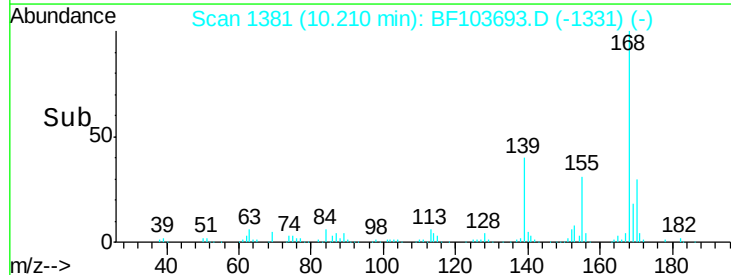
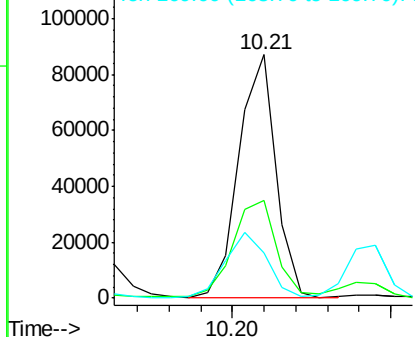


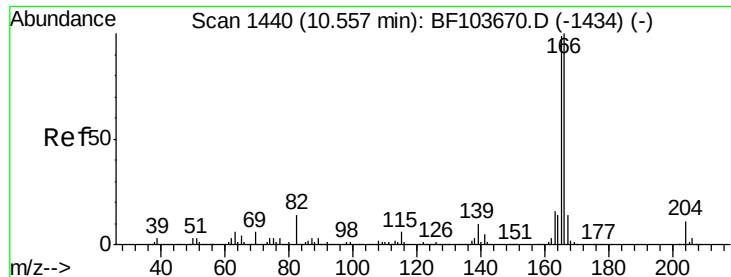
#54
Dibenzofuran
Concen: 2.274 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BF103693.D
Acq: 16 Mar 2018 13:45

Tgt Ion:168 Resp: 70099
Ion Ratio Lower Upper
168 100
139 40.2 30.1 45.1
169 18.4 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

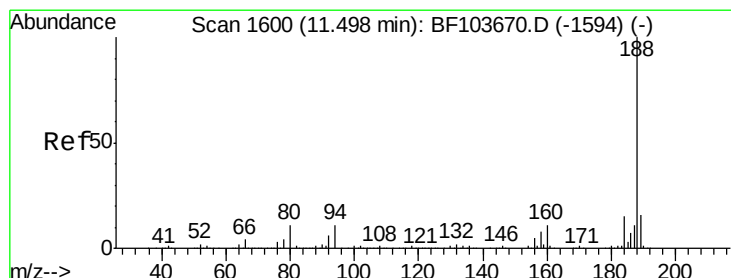
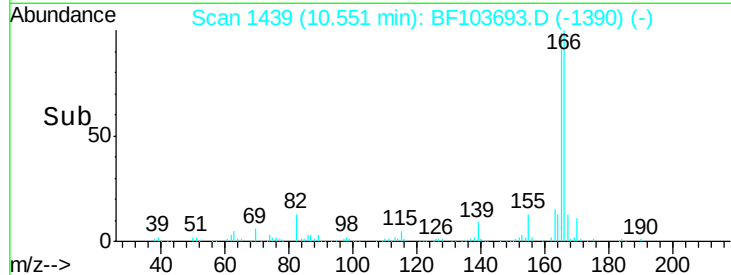
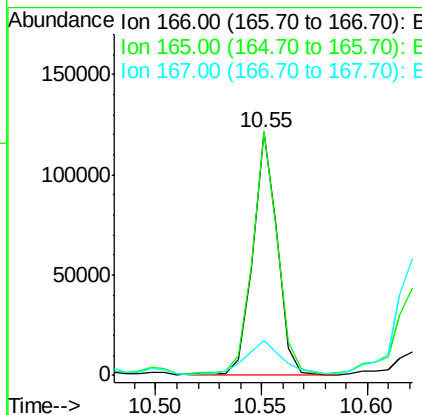
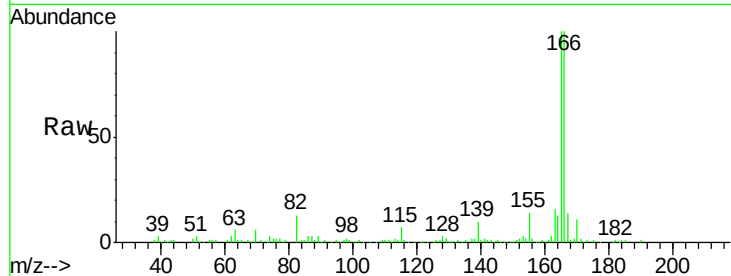




#57
 Fluorene
 Concen: 4.042 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

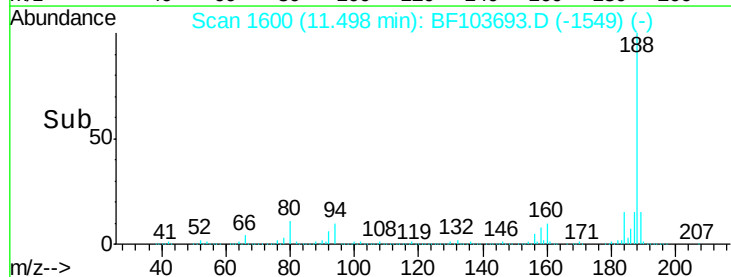
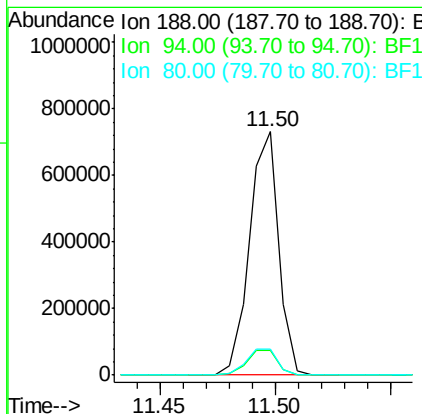
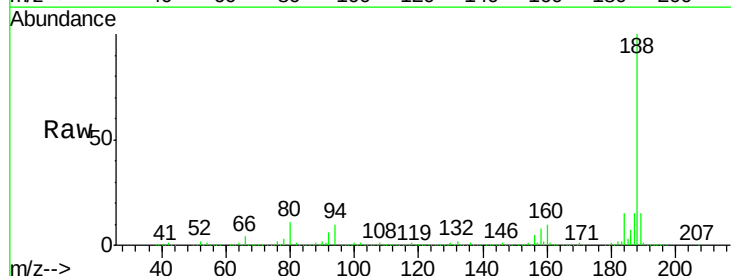
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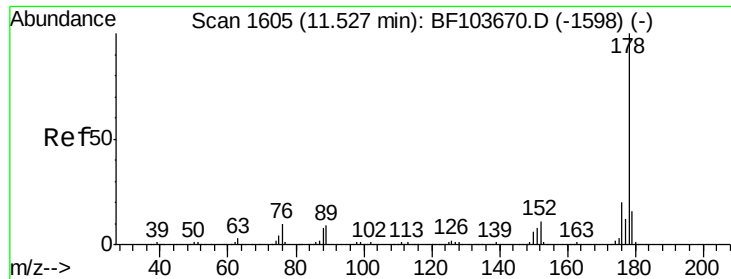
Tot Ion:166 Resp: 96697
 Ion Ratio Lower Upper
 166 100
 165 100.2 79.8 119.8
 167 14.5 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF103693.D
 Acq: 16 Mar 2018 13:45

Tgt Ion:188 Resp: 645870
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.5 12.7
 80 10.6 9.2 13.8

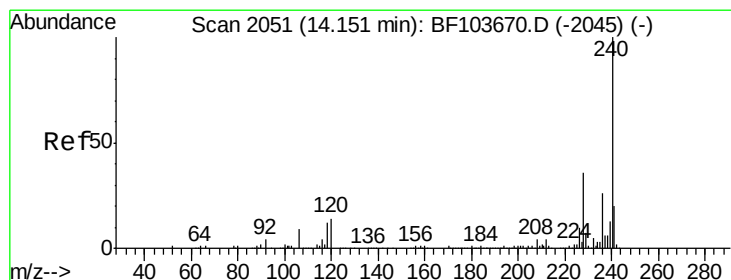
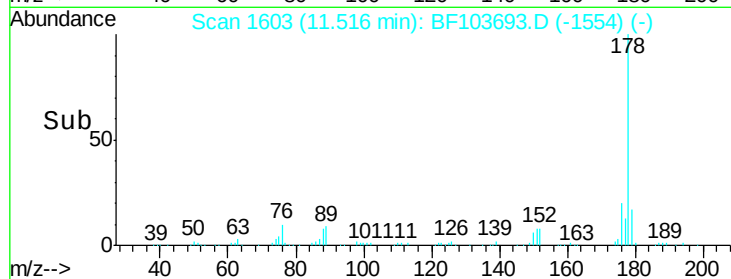
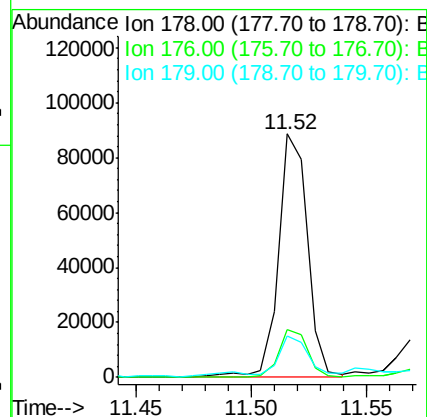
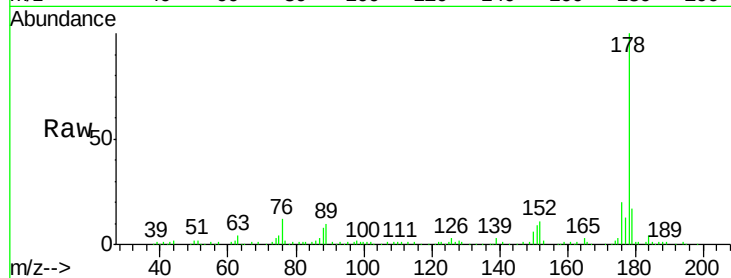




#70
Phenanthrene
Concen: 2.181 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF103693.D
Acq: 16 Mar 2018 13:45

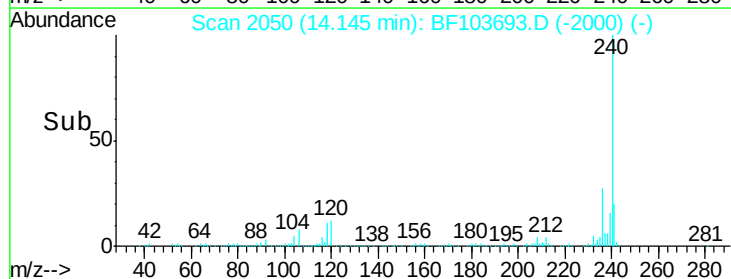
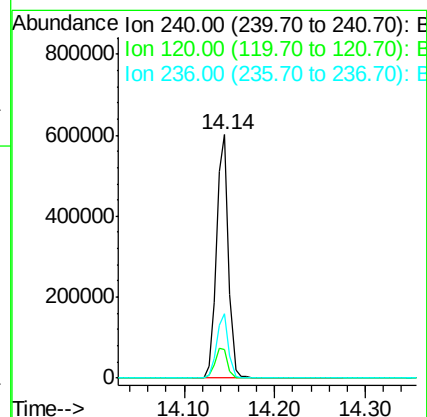
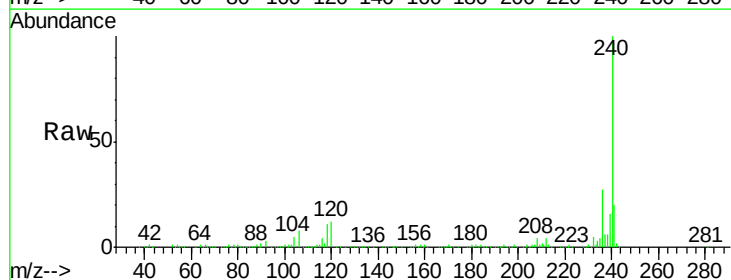
Instrument :
BNA_F
ClientSampleId :
C190137

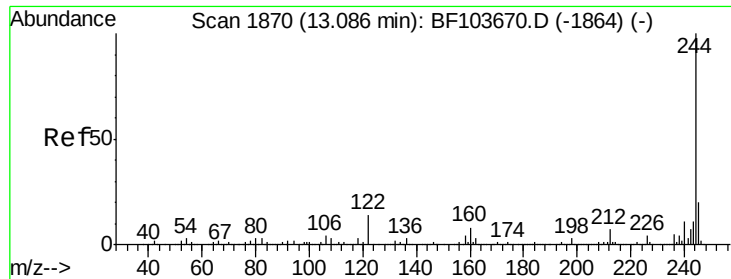
Tot Ion:178 Resp: 77071
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 17.1 13.0 19.6



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF103693.D
Acq: 16 Mar 2018 13:45

Tgt Ion:240 Resp: 556469
Ion Ratio Lower Upper
240 100
120 12.0 9.5 14.3
236 26.5 20.7 31.1





#78

Terphenyl-d14

Concen: 76.454 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF103693.D

Acq: 16 Mar 2018 13:45

Instrument :

BNA_F

ClientSampleId :

C190137

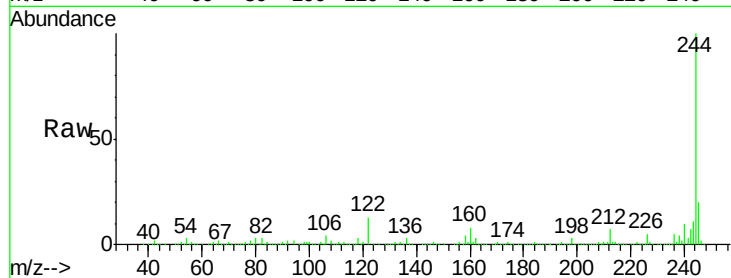
Tot Ion:244 Resp: 1832908

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

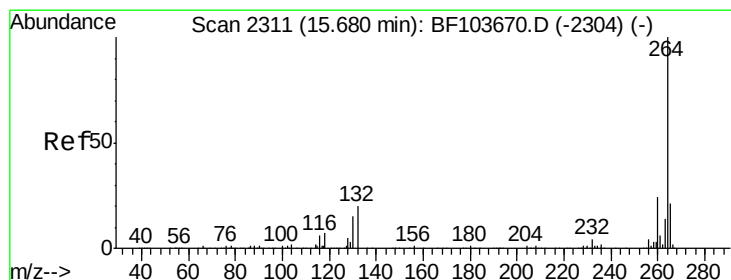
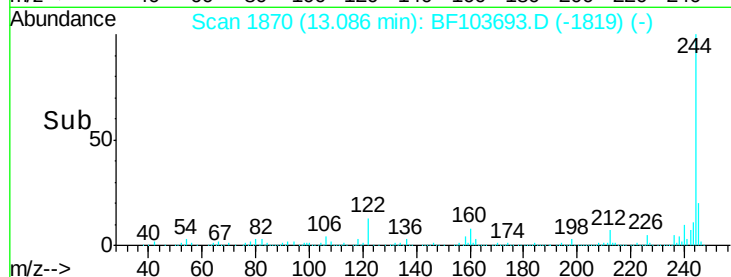
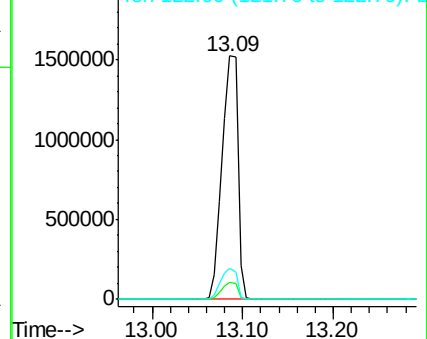
122 12.8 11.0 16.4



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: 15.67 min Scan# 2309

Delta R.T. -0.01 min

Lab File: BF103693.D

Acq: 16 Mar 2018 13:45

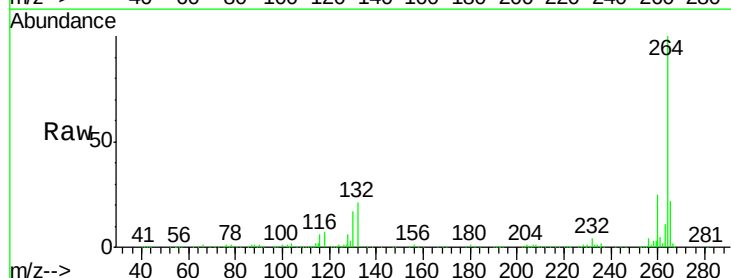
Tgt Ion:264 Resp: 434783

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.2 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

