

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071218\
 Data File : BF107351.D
 Acq On : 12 Jul 2018 20:40
 Operator : JU/SJ
 Sample : J3927-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-RBR-200031

Quant Time: Jul 13 02:37:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	65927	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	235453	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	97795	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	179987	20.00	ng	0.00
75) Chrysene-d12	14.14	240	192190	20.00	ng	0.00
86) Perylene-d12	15.67	264	131989	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	349421	89.75	ng	0.00
7) Phenol-d6	6.58	99	424305	87.27	ng	0.00
23) Nitrobenzene-d5	7.50	82	260912	61.58	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	97395	85.93	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	444390	75.22	ng	0.00
78) Terphenyl-d14	13.06	244	506298	63.81	ng	0.00

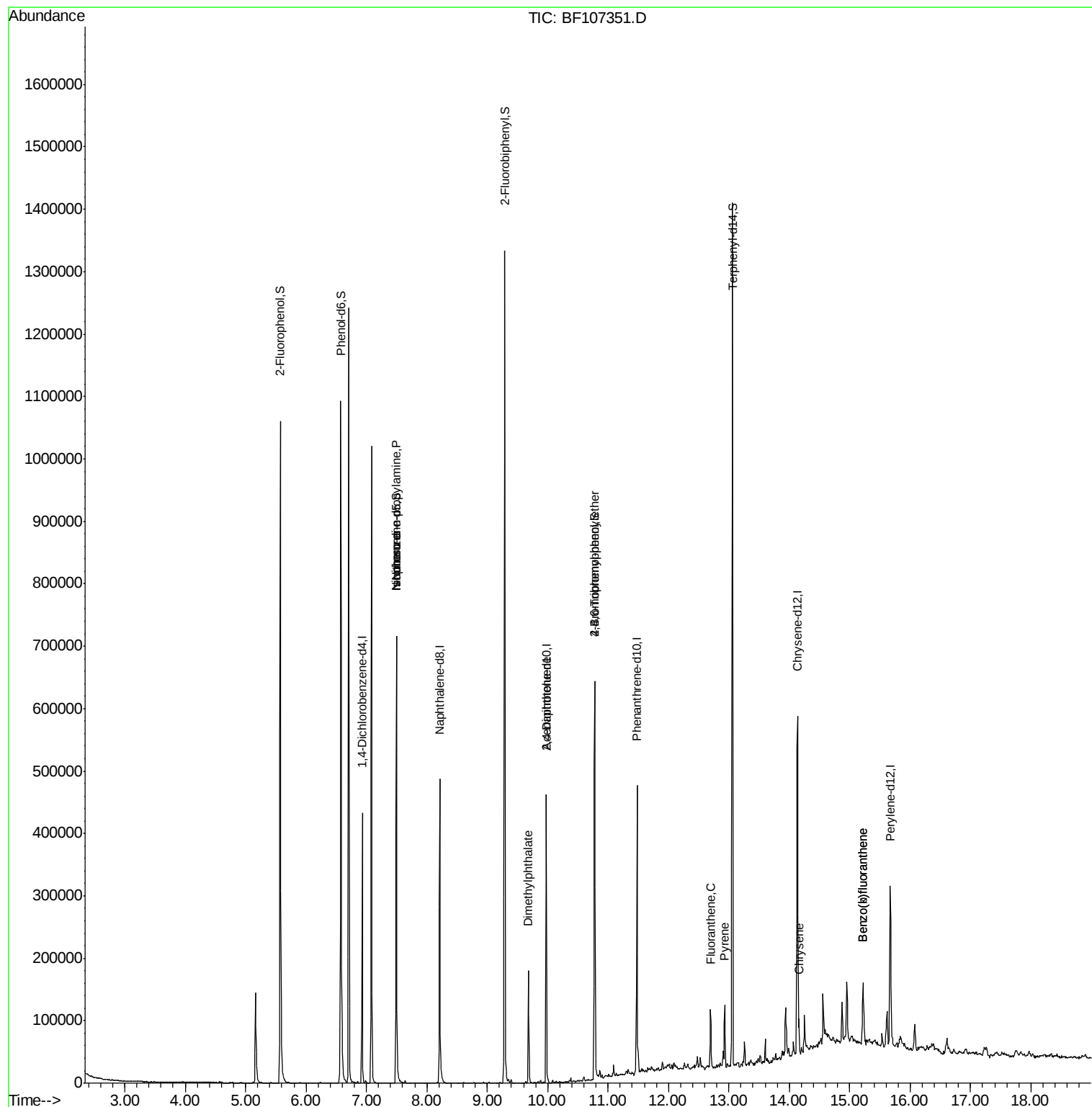
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.50	70	33126	10.336	ng	# 72
25) Isophorone	7.50	82	260912	34.948	ng	# 64
49) Dimethylphthalate	9.68	163	76982	10.496	ng	97
56) 2,4-Dinitrotoluene	9.98	165	12257	6.046	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	6050	2.817	ng	# 1
74) Fluoranthene	12.69	202	38183	3.991	ng	93
77) Pyrene	12.93	202	35141	2.773	ng	98
82) Chrysene	14.16	228	22005	2.042	ng	96
87) Benzo(b)fluoranthene	15.21	252	31198	3.805	ng	97
88) Benzo(k)fluoranthene	15.21	252	31198	3.996	ng	98

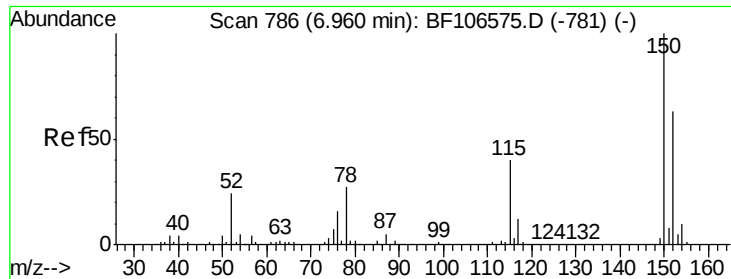
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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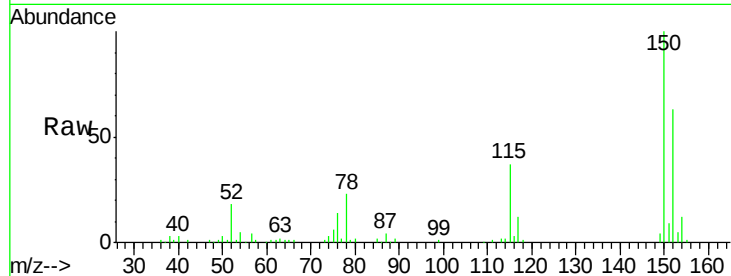


#1

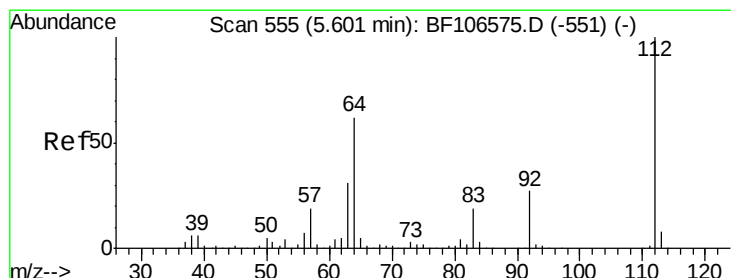
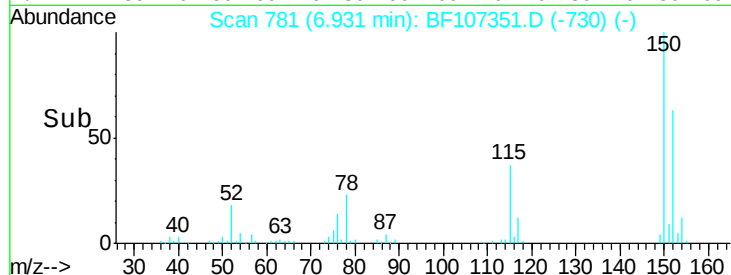
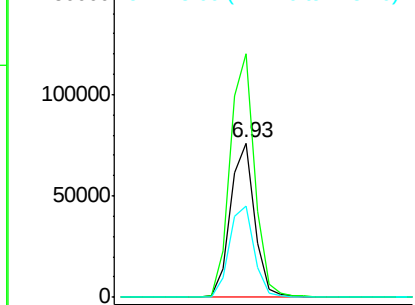
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

Tgt Ion:152 Resp: 65927
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 58.8 50.1 75.1



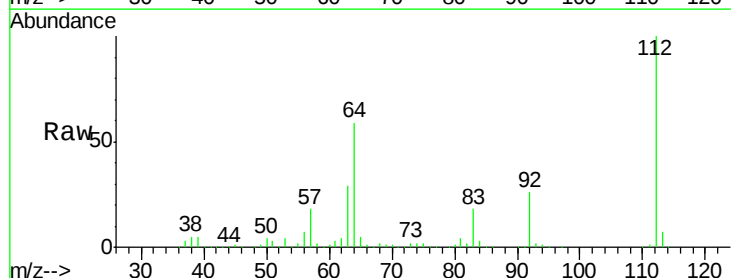
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



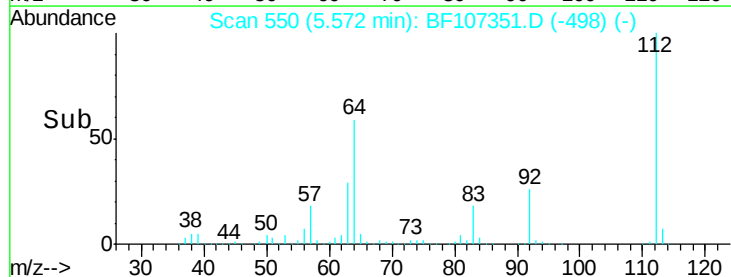
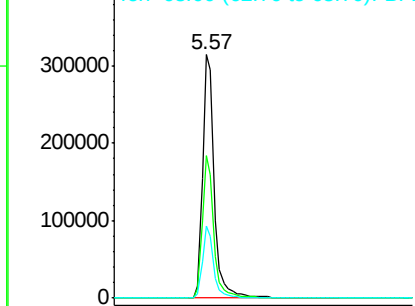
#5

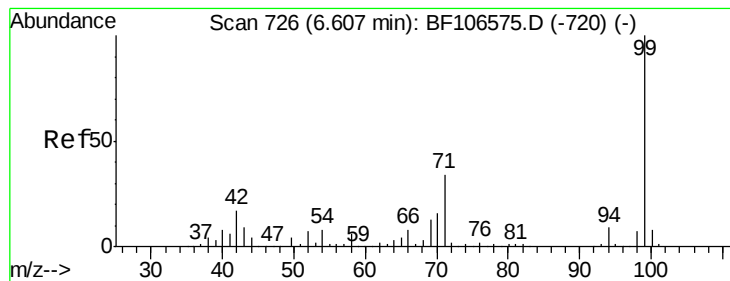
2-Fluorophenol
Concen: 89.748 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Tgt Ion:112 Resp: 349421
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 29.4 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: 87.269 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200031

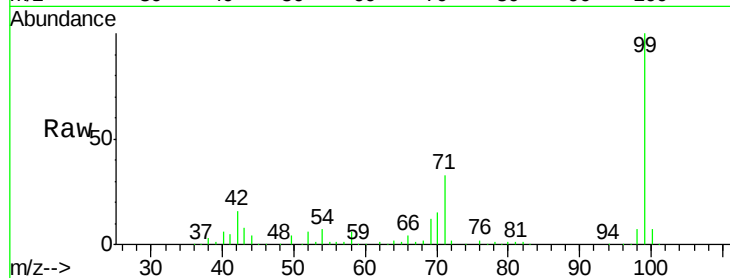
Tgt Ion: 99 Resp: 424305

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

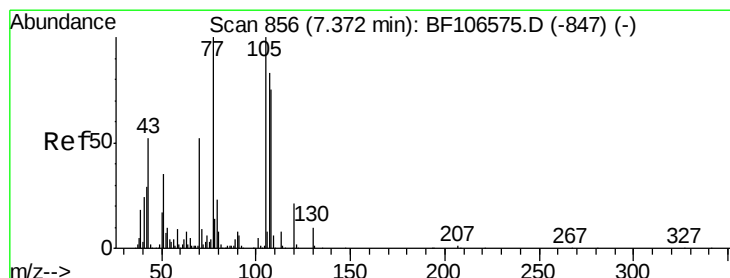
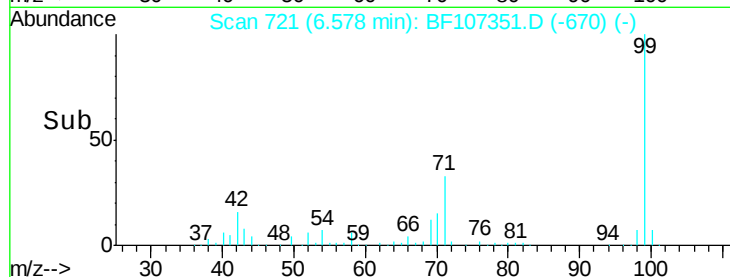
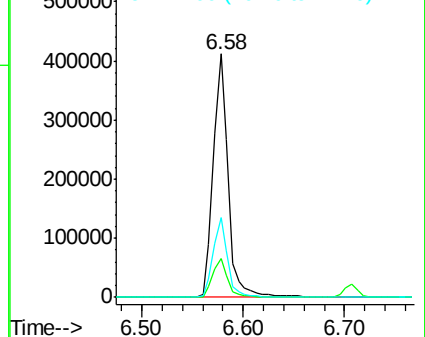
71 32.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.336 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.15 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

Tgt Ion: 70 Resp: 33126

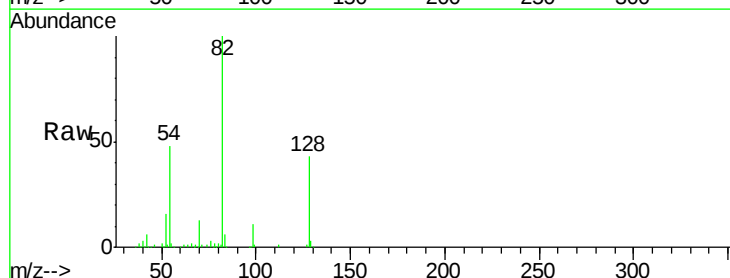
Ion Ratio Lower Upper

70 100

42 41.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

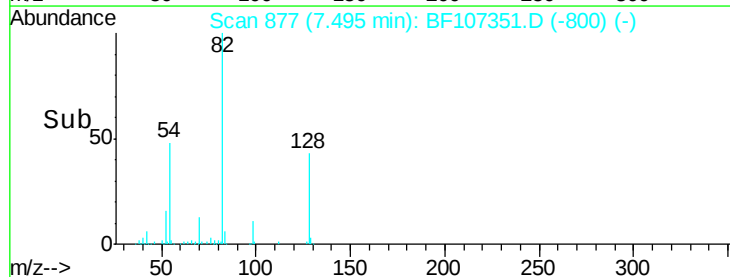
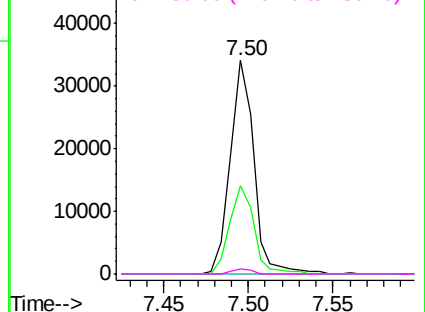


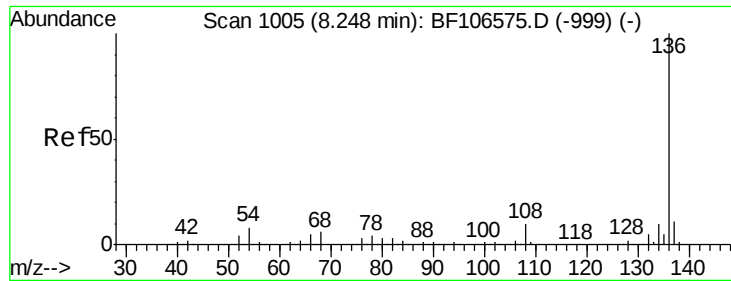
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

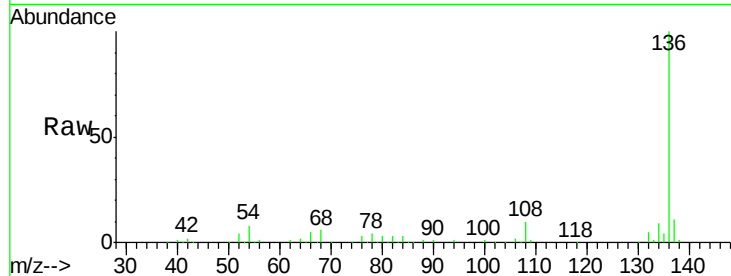




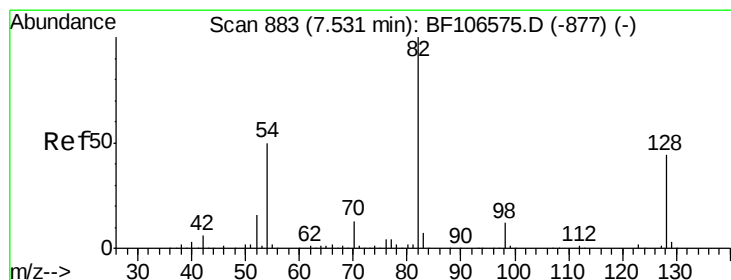
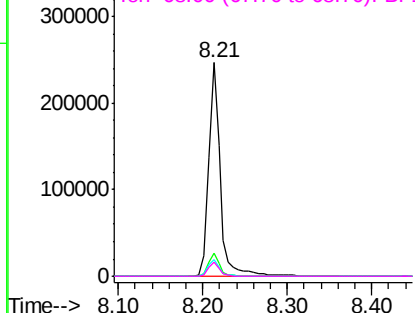
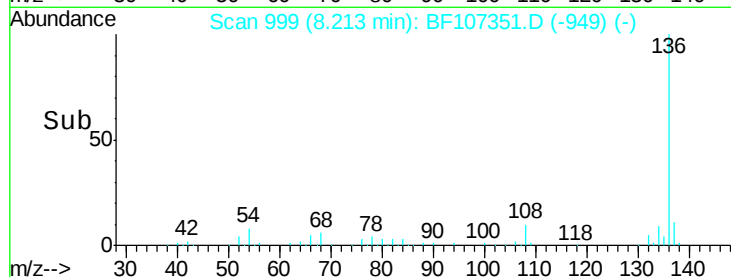
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

Tgt Ion:	136	Resp:	235453
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.1	6.6	9.8
68	6.5	5.0	7.4

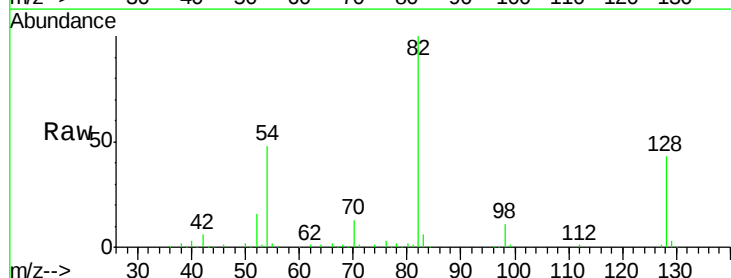


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

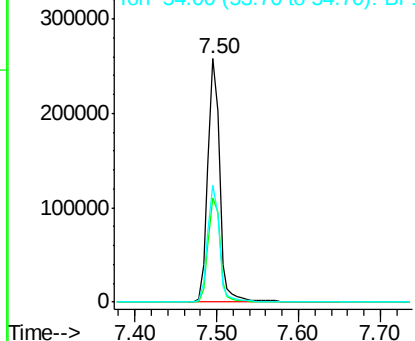
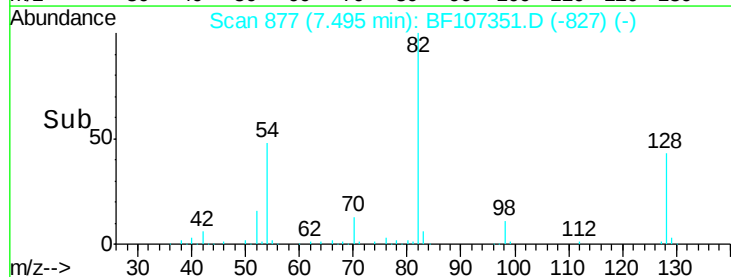


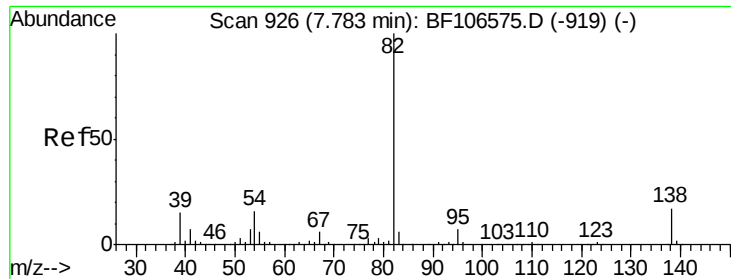
#23
Nitrobenzene-d5
Concen: 61.583 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Tgt Ion:	82	Resp:	260912
Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	47.9	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

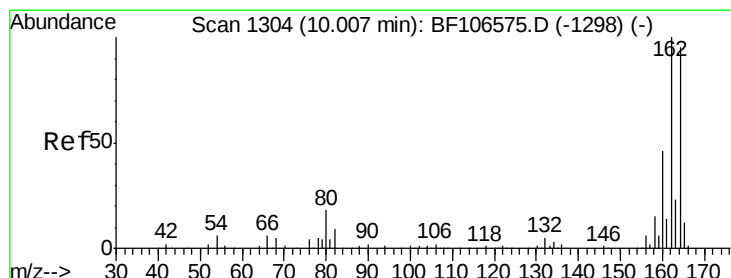
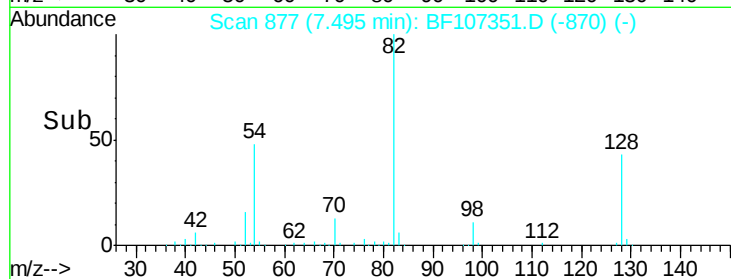
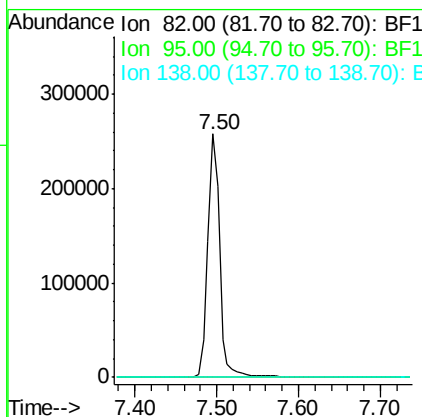
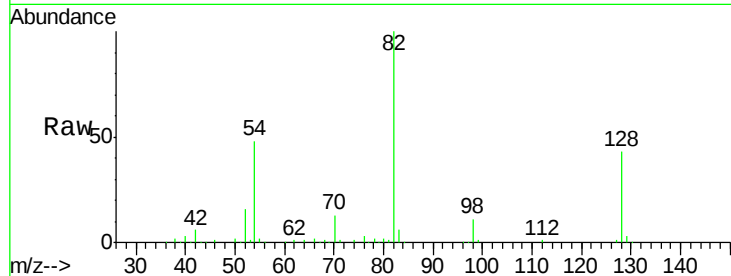




#25
Isophorone
Concen: 34.948 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.26 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

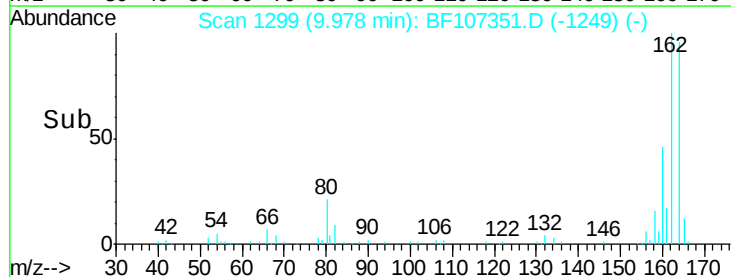
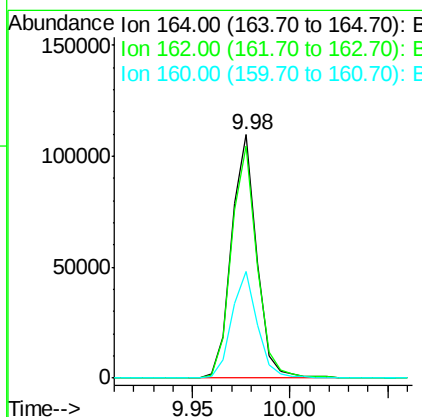
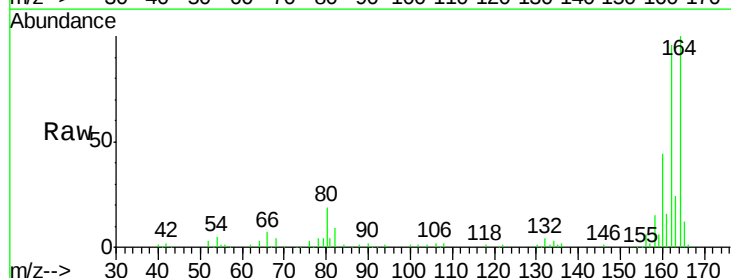
Instrument :
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CS-RBR-200031

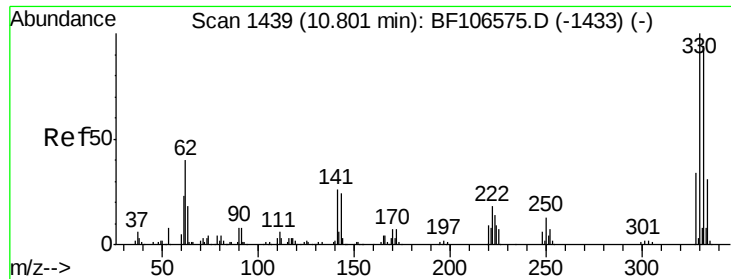
Tgt Ion: 82 Resp: 260912
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Tgt Ion: 164 Resp: 97795
Ion Ratio Lower Upper
164 100
162 95.5 86.1 129.1
160 43.7 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 85.926 ng

RT: 10.78 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200031

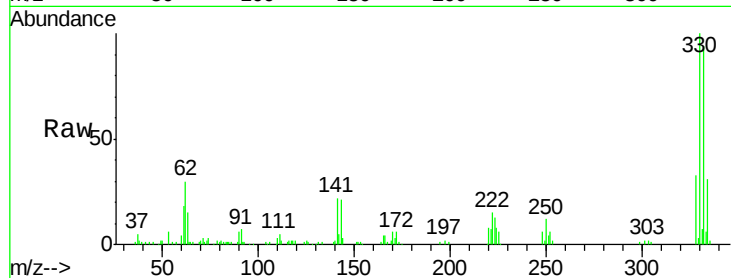
Tgt Ion:330 Resp: 97395

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

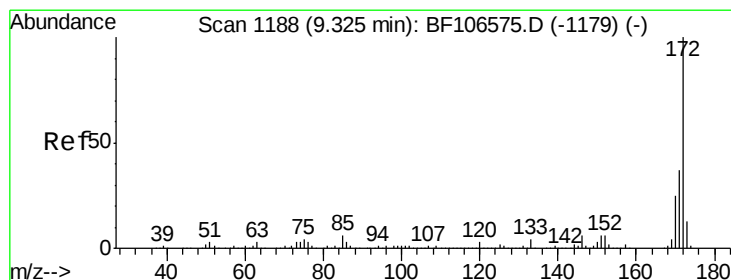
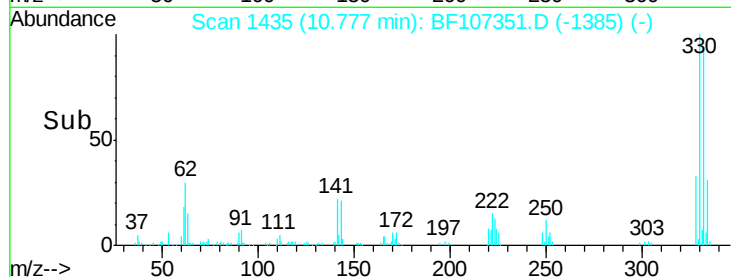
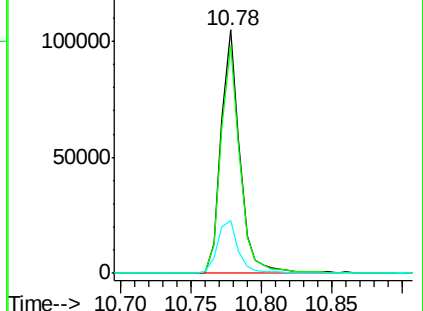
141 24.1 29.9 44.9#



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: 75.217 ng

RT: 9.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

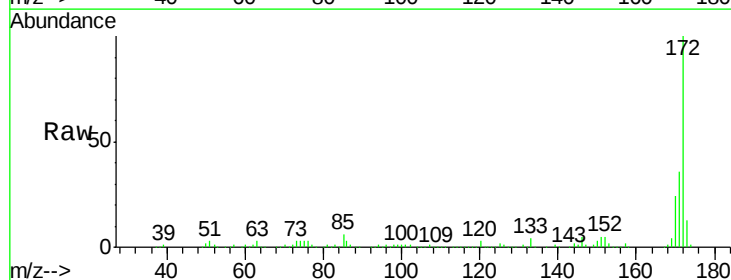
Tgt Ion:172 Resp: 444390

Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

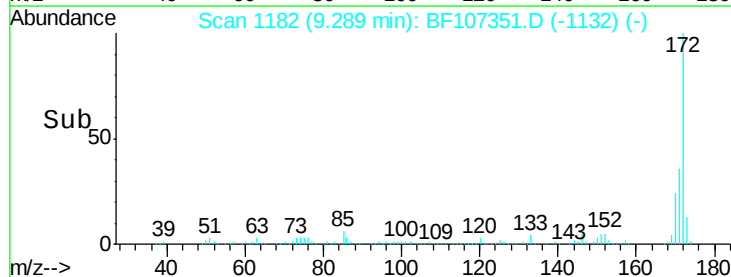
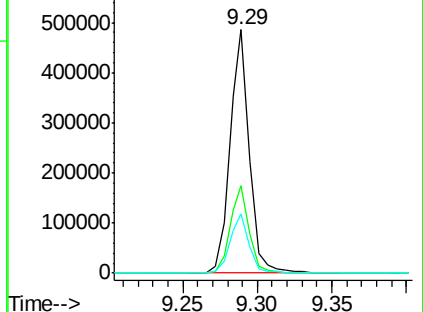
170 24.1 19.6 29.4

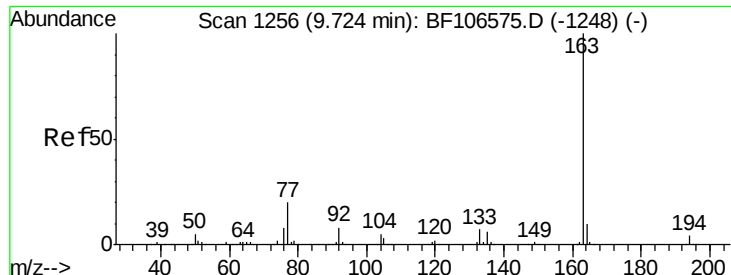


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

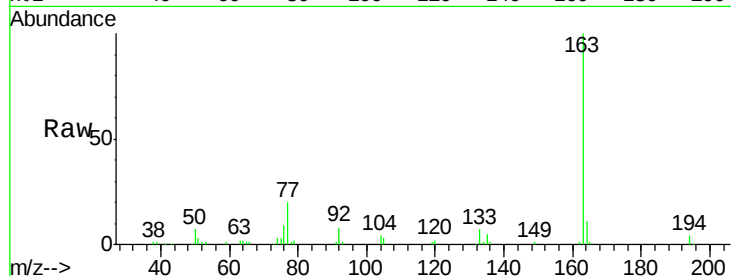




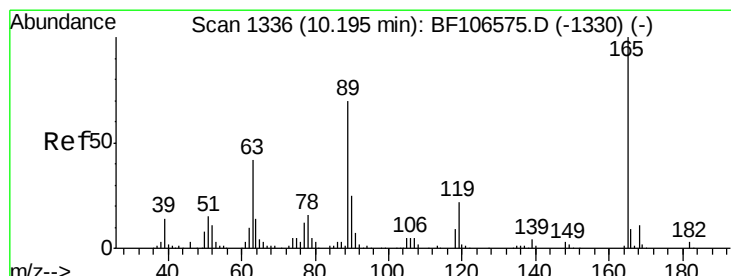
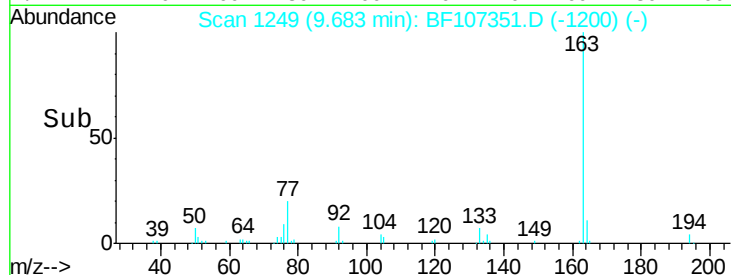
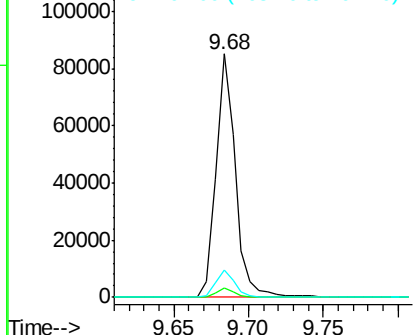
#49
Dimethylphthalate
Concen: 10.496 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

Tgt Ion:163 Resp: 76982
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 11.3 8.2 12.2

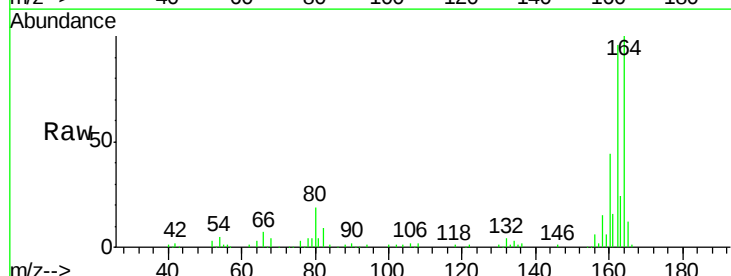


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

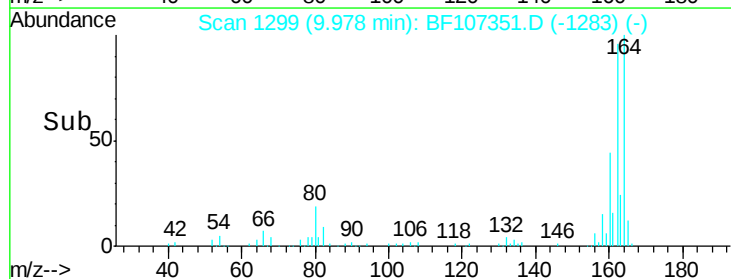
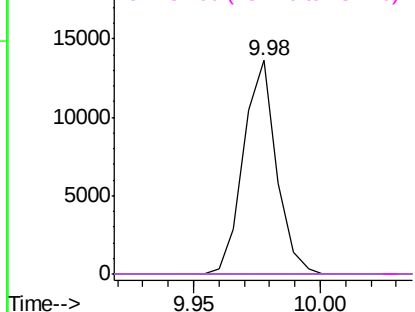


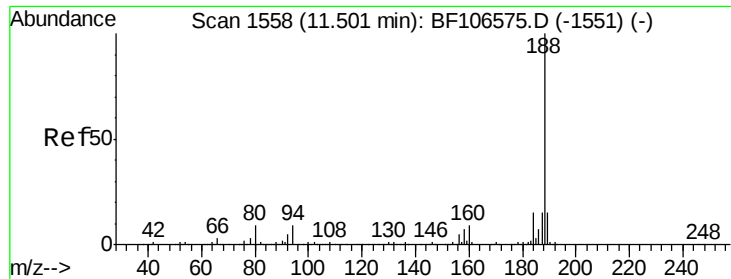
#56
2,4-Dinitrotoluene
Concen: 6.046 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.21 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Tgt Ion:165 Resp: 12257
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

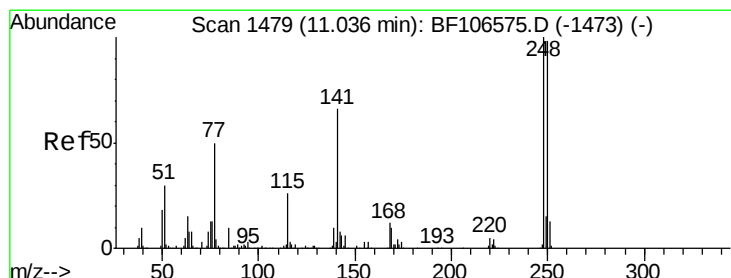
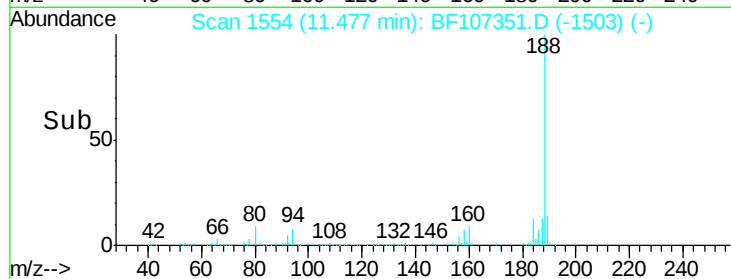
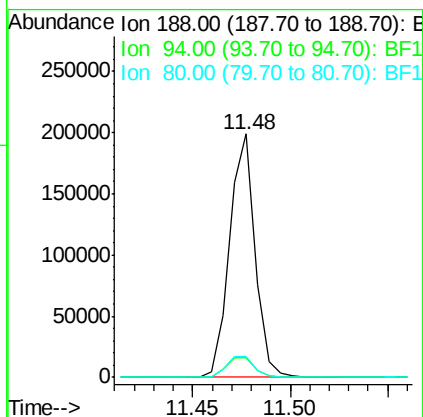
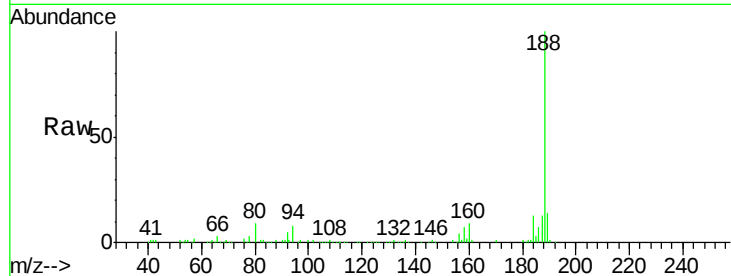




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

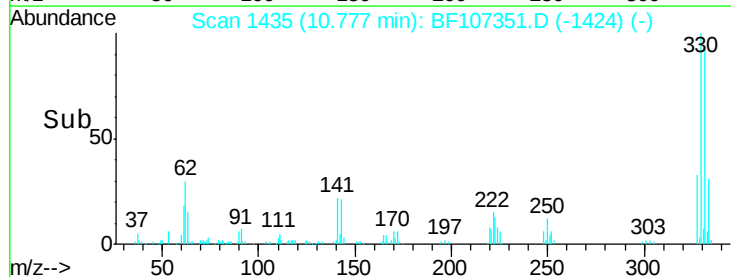
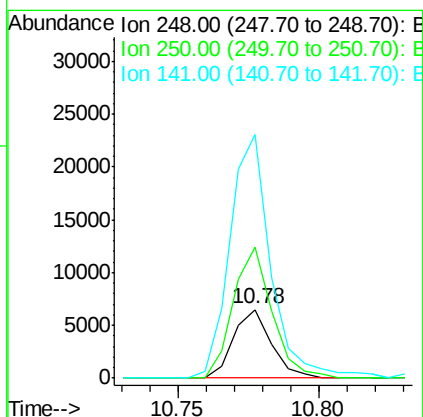
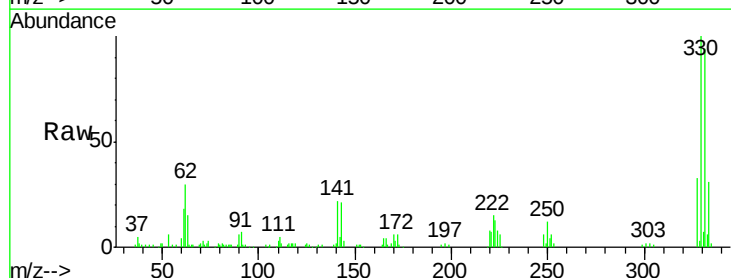
Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

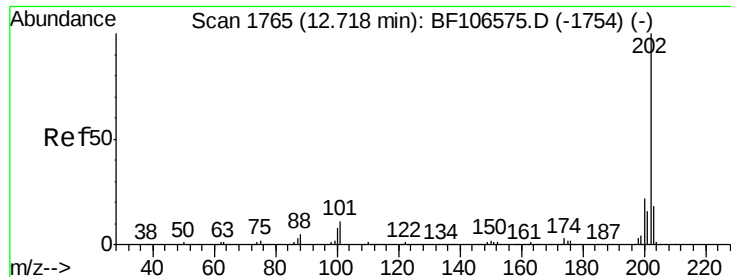
Tgt Ion:188 Resp: 179987
Ion Ratio Lower Upper
188 100
94 8.0 8.5 12.7#
80 8.7 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 2.817 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.24 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Tgt Ion:248 Resp: 6050
Ion Ratio Lower Upper
248 100
250 190.5 76.9 115.3#
141 354.1 74.4 111.6#





#74

Fluoranthene

Concen: 3.991 ng

RT: 12.69 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200031

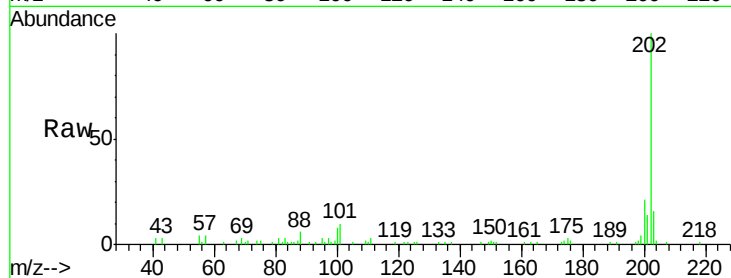
Tgt Ion: 202 Resp: 38183

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

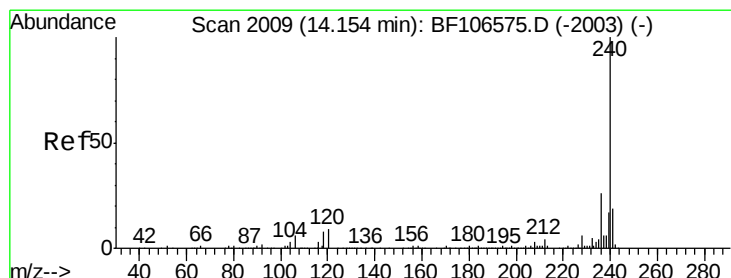
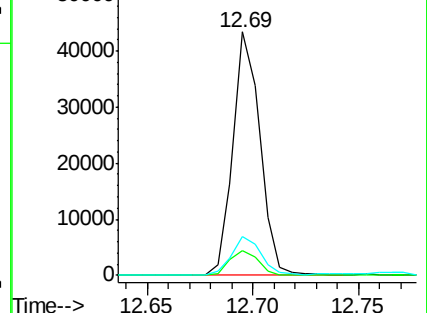
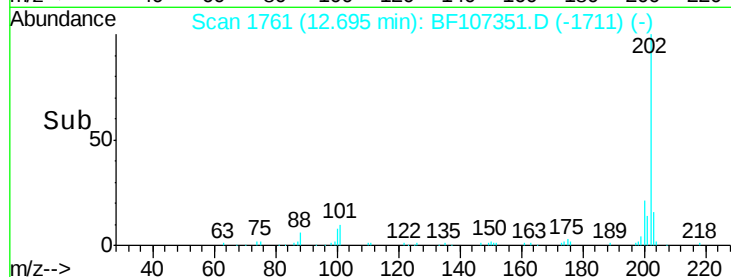
203 16.0 0.0 38.1



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: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

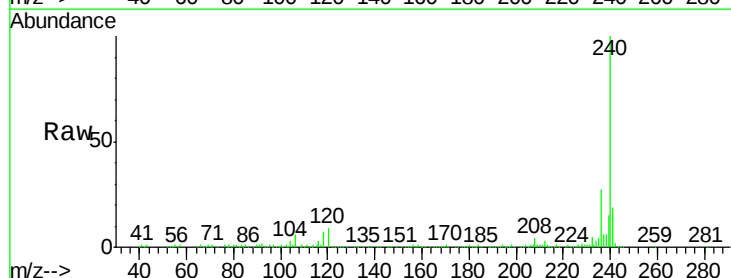
Tgt Ion: 240 Resp: 192190

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

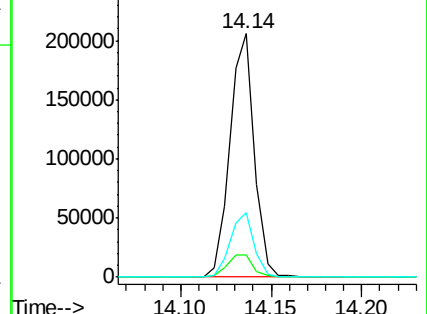
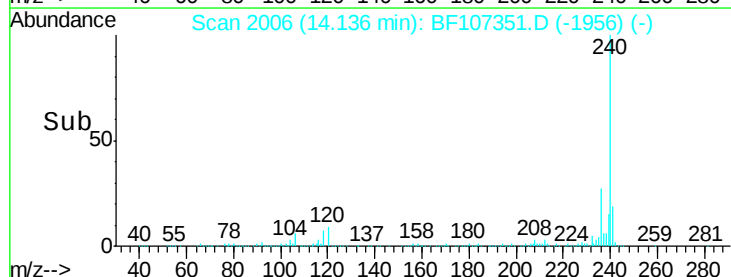
236 26.7 20.7 31.1

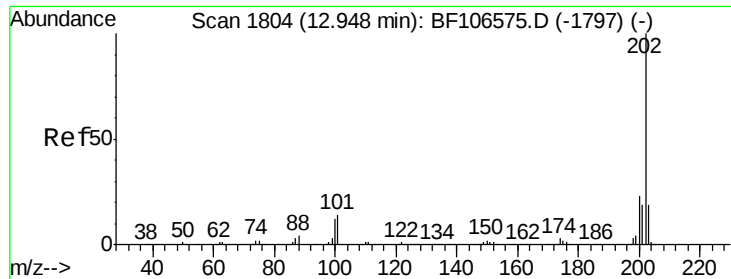


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.773 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200031

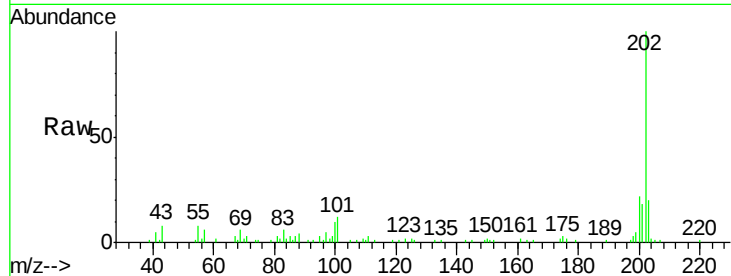
Tgt Ion: 202 Resp: 35141

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

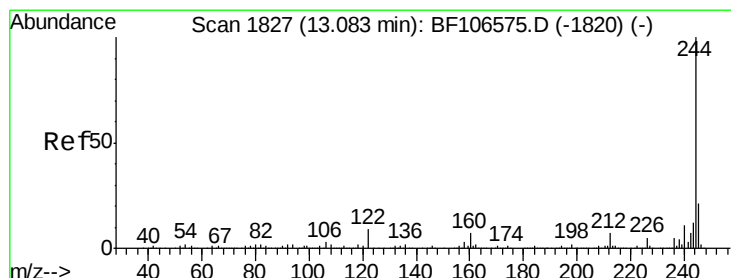
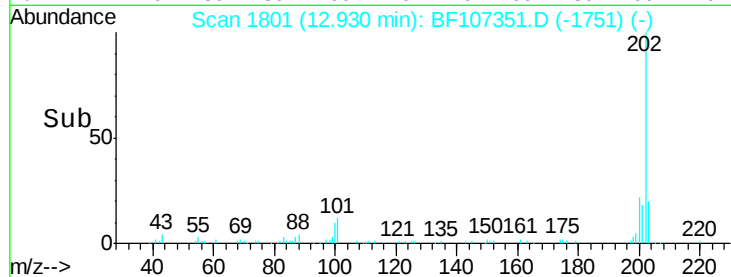
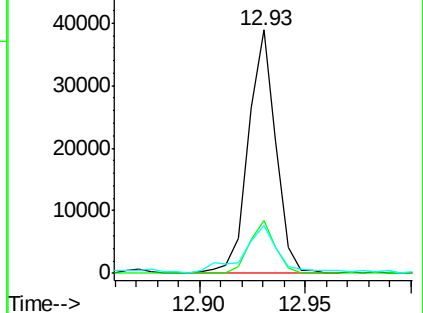
203 19.6 14.3 21.5



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: 63.812 ng

RT: 13.06 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

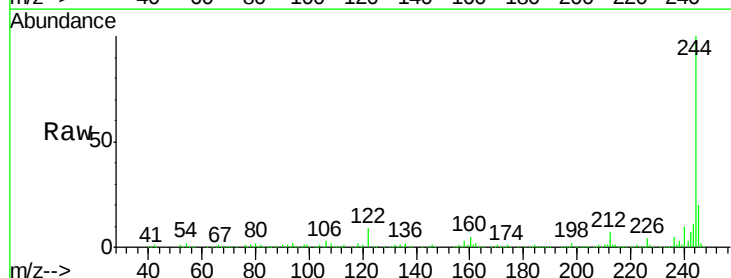
Tgt Ion: 244 Resp: 506298

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

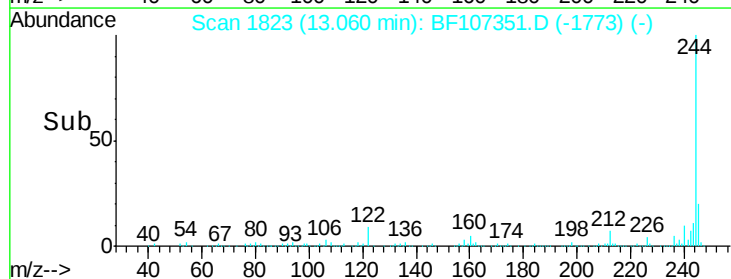
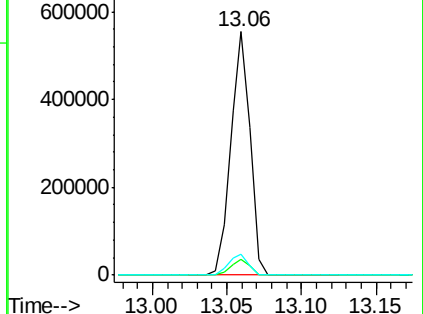
122 8.7 11.0 16.4#

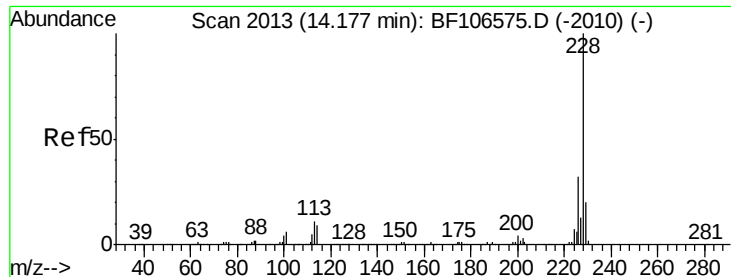


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.042 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

Instrument :

BNA_F

ClientSampleId :

CS-RBR-200031

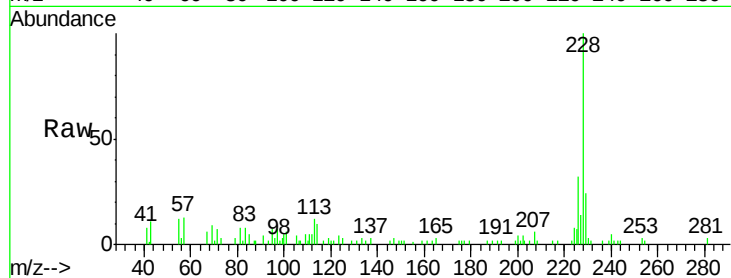
Tgt Ion:228 Resp: 22005

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

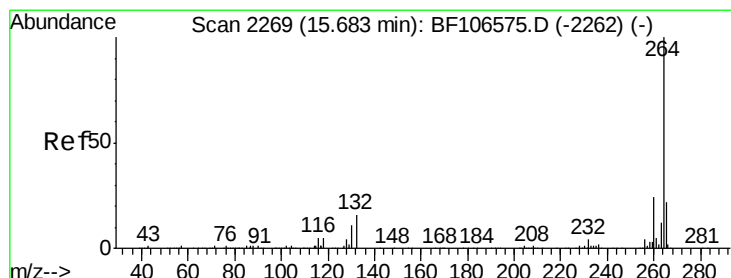
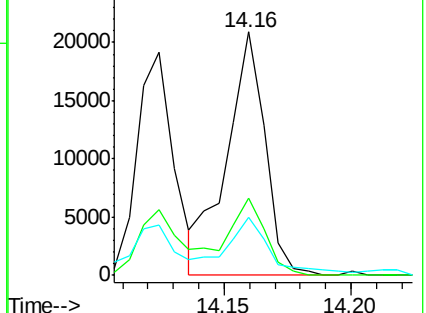
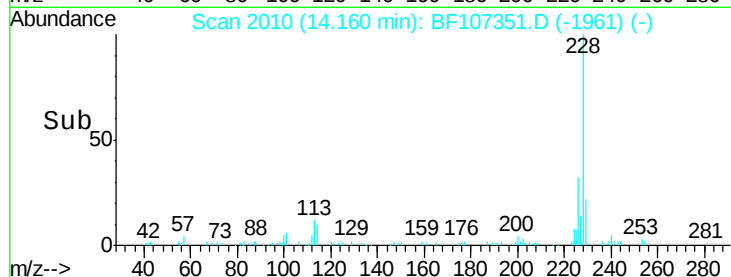
229 23.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF107351.D

Acq: 12 Jul 2018 20:40

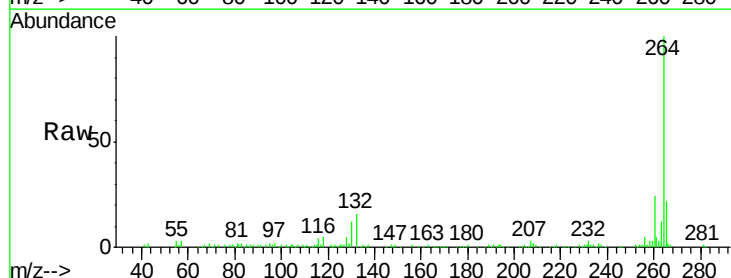
Tgt Ion:264 Resp: 131989

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

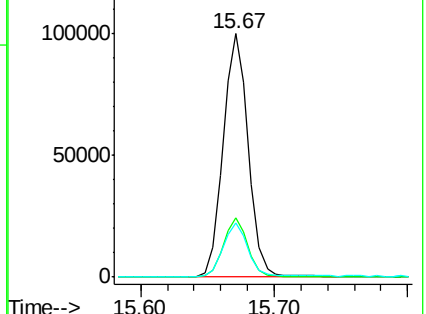
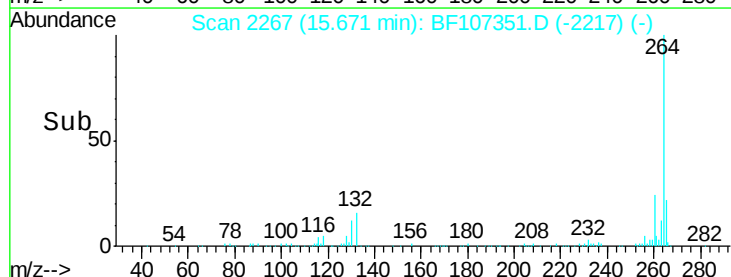
265 22.2 17.5 26.3

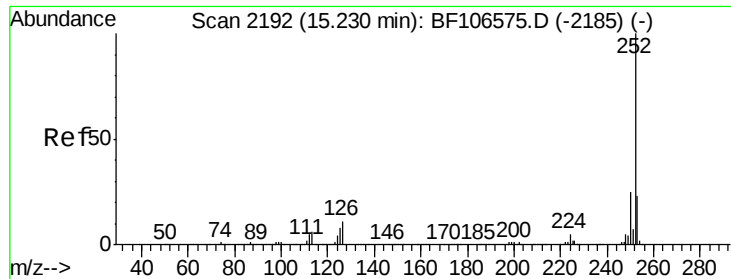


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

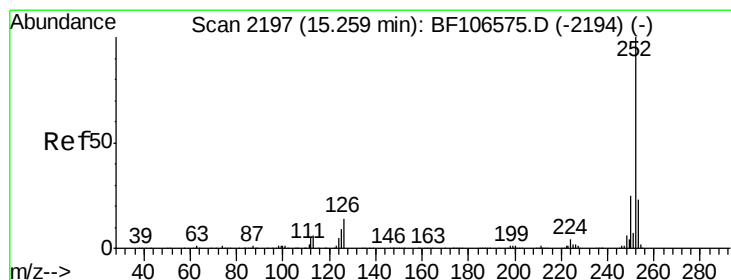
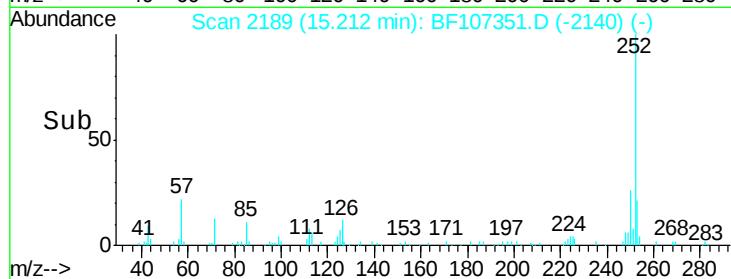
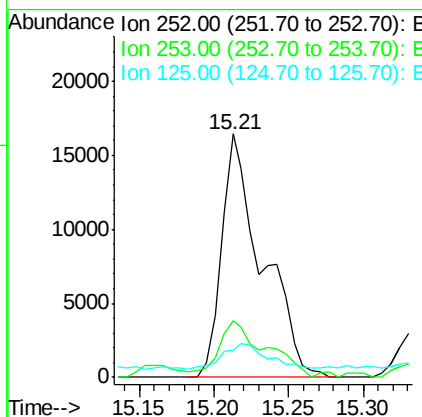
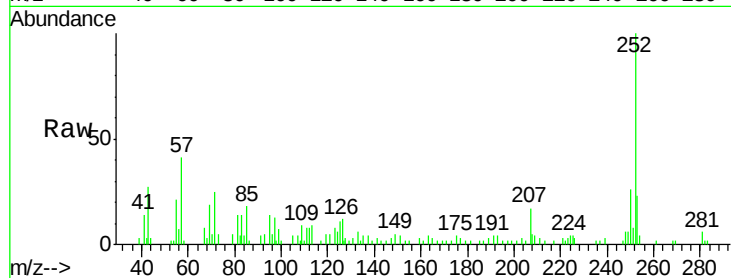




#87
Benzo(b)fluoranthene
Concen: 3.805 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200031

Tgt Ion:252 Resp: 31198
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 11.0 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 3.996 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.04 min
Lab File: BF107351.D
Acq: 12 Jul 2018 20:40

Tgt Ion:252 Resp: 31198
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 11.0 10.2 15.2

