

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107669.D
 Acq On : 25 Jul 2018 20:44
 Operator : JU/SJ
 Sample : J4031-04 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 02:06:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

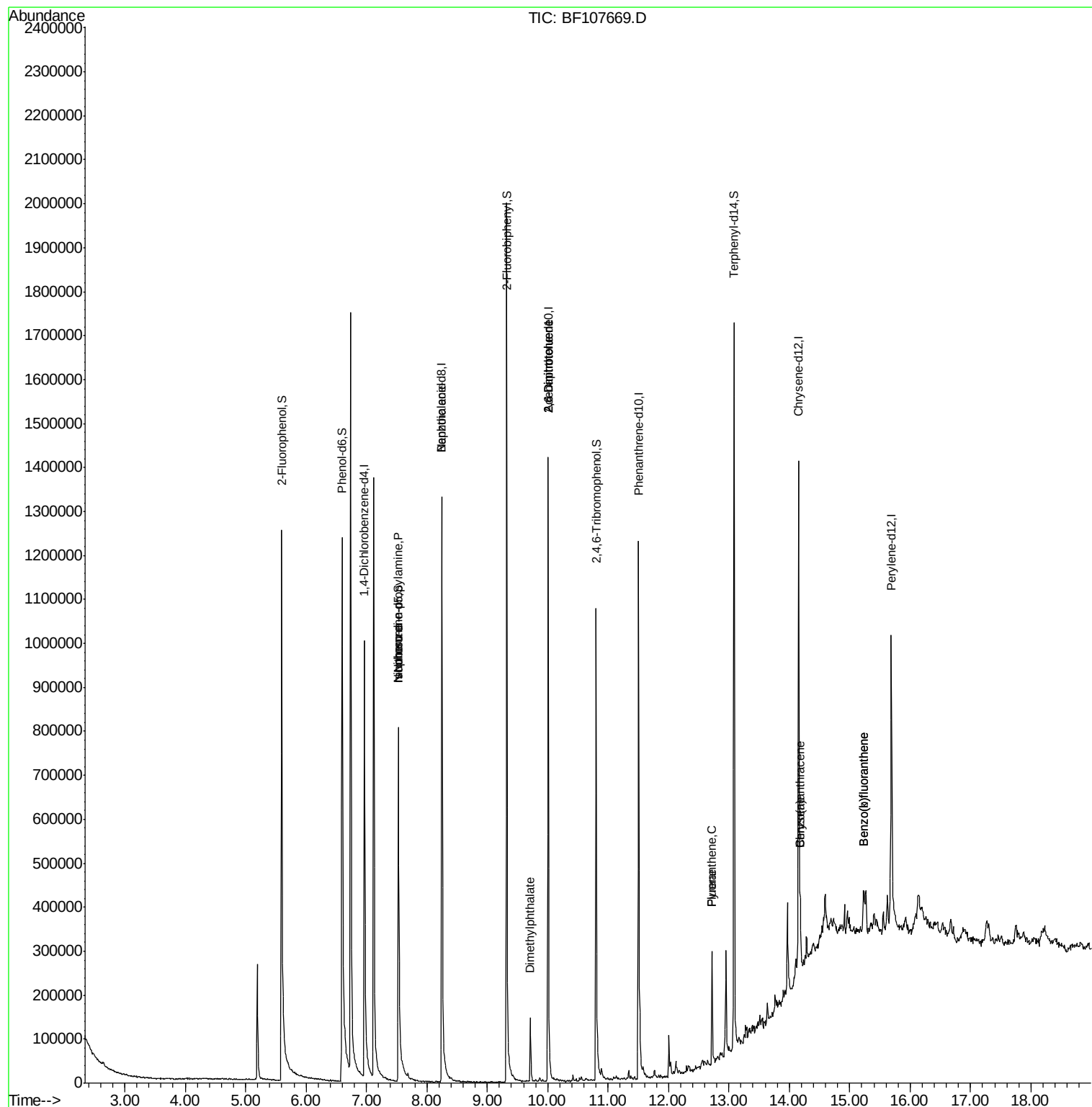
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	202379	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	798475	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	311393	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	570895	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	431608	20.00	ng	-0.01
86) Perylene-d12	15.69	264	383676	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	505847	40.19	ng	-0.01
7) Phenol-d6	6.60	99	693722	45.90	ng	-0.02
23) Nitrobenzene-d5	7.53	82	391513	33.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	163996	46.31	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	765929	34.64	ng	-0.02
78) Terphenyl-d14	13.08	244	612283	36.32	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.74	77	12159	Below Cal		Qvalue 87
19) n-Nitroso-di-n-propylamine	7.53	70	50646	5.187 ng	#	85
25) Isophorone	7.53	82	391513	15.498 ng	#	64
32) Benzoic acid	8.25	122	119	7.913 ng	#	1
49) Dimethylphthalate	9.71	163	65208	2.779 ng		98
50) 2,6-Dinitrotoluene	10.01	165	41260	8.855 ng	#	26
56) 2,4-Dinitrotoluene	10.01	165	41260	7.336 ng	#	23
73) Di-n-butylphthalate	12.05	149	2517	Below Cal	#	81
74) Fluoranthene	12.72	202	122258	4.095 ng		95
77) Pyrene	12.72	202	122258	4.141 ng		96
80) Benzo(a)anthracene	14.18	228	54116	2.140 ng		96
81) 3,3'-Dichlorobenzidine	14.11	252	339	Below Cal	#	74
82) Chrysene	14.18	228	54116	2.227 ng		99
87) Benzo(b)fluoranthene	15.23	252	83077	3.956 ng	#	91
88) Benzo(k)fluoranthene	15.23	252	83077	4.038 ng	#	94

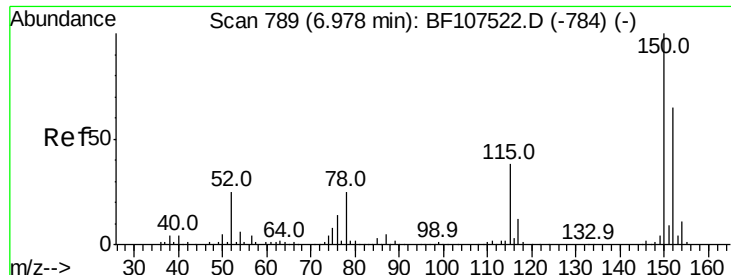
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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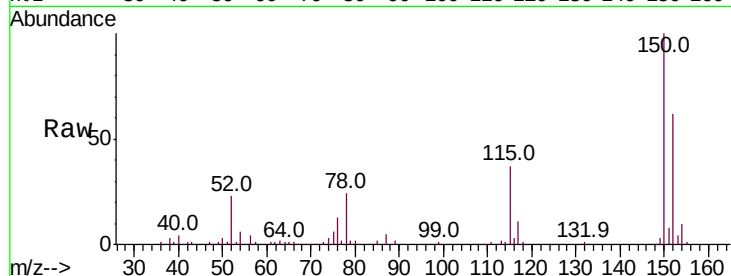


#1

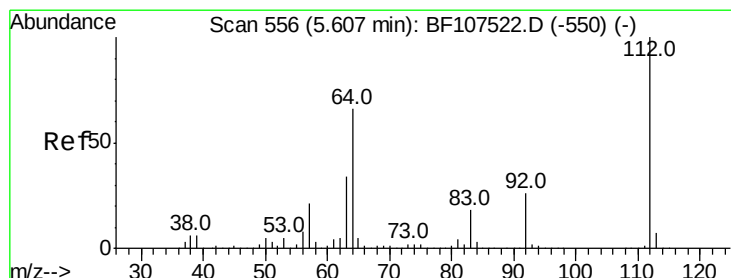
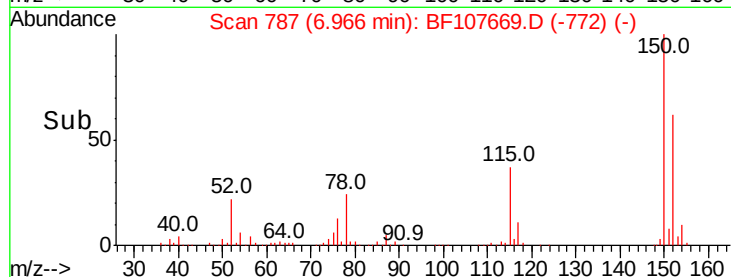
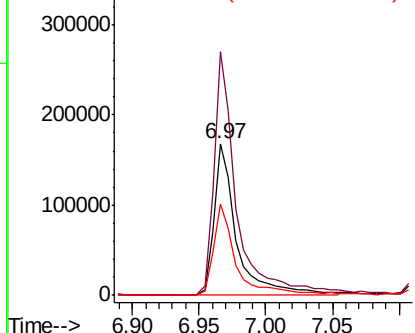
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 202379
Ion Ratio Lower Upper
152 100
150 160.7 124.6 186.8
115 60.1 50.1 75.1



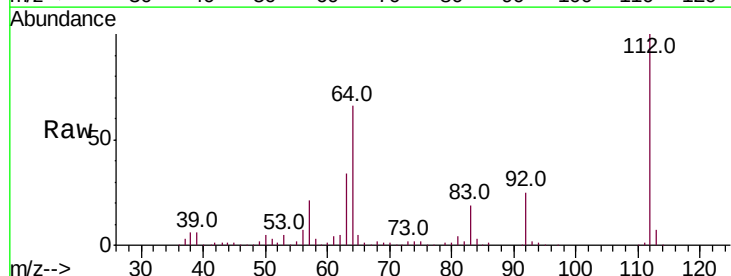
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



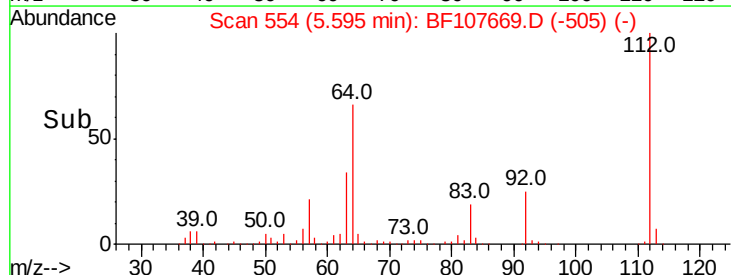
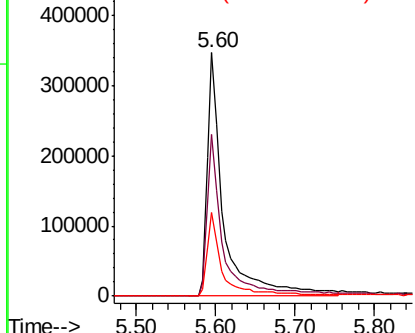
#5

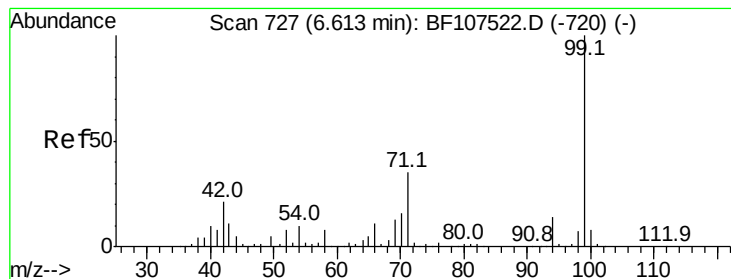
2-Fluorophenol
Concen: 40.187 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

Tgt Ion:112 Resp: 505847
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 34.2 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: 45.899 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

Instrument :

BNA_F

ClientSampled :

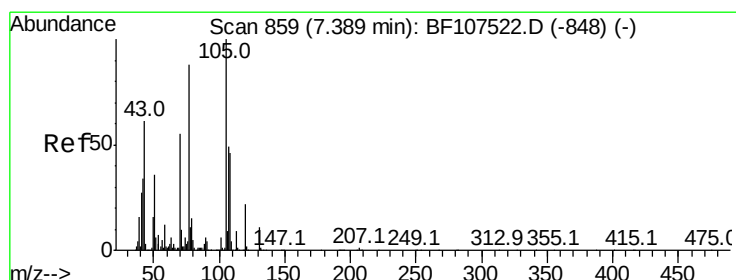
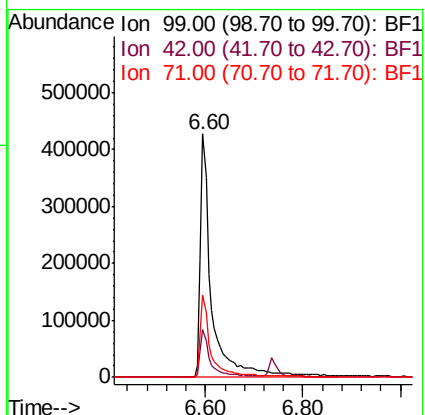
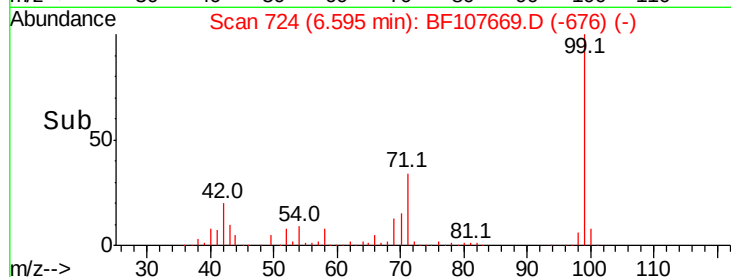
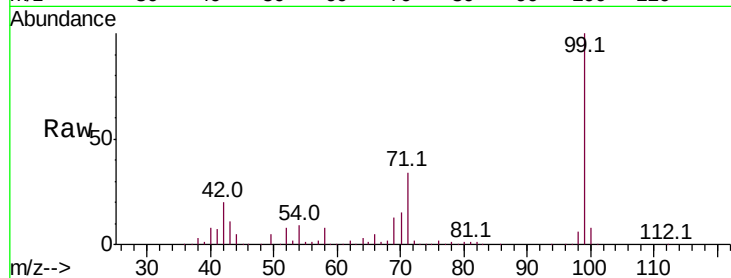
Tot Ion: 99 Resp: 693722

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 33.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.187 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

Tgt Ion: 70 Resp: 50646

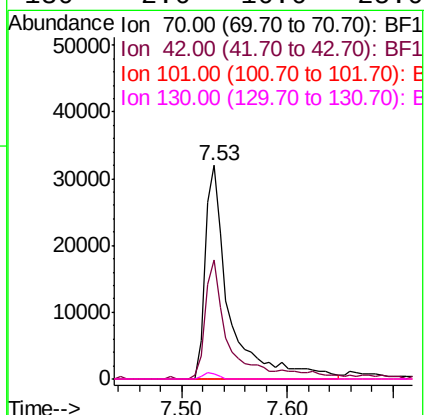
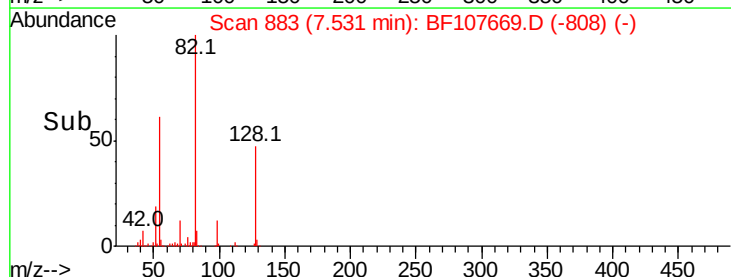
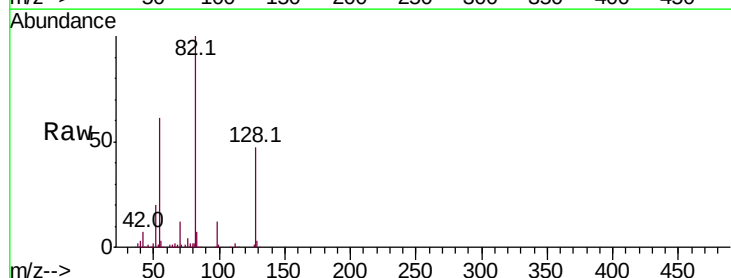
Ion Ratio Lower Upper

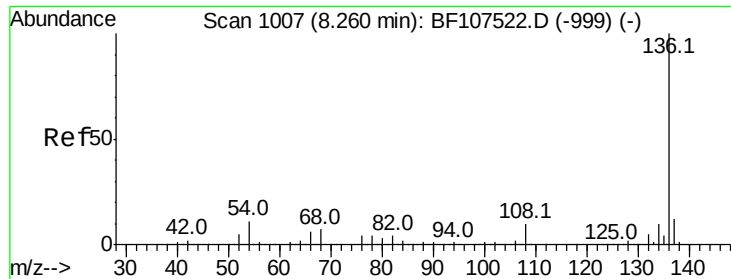
70 100

42 55.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

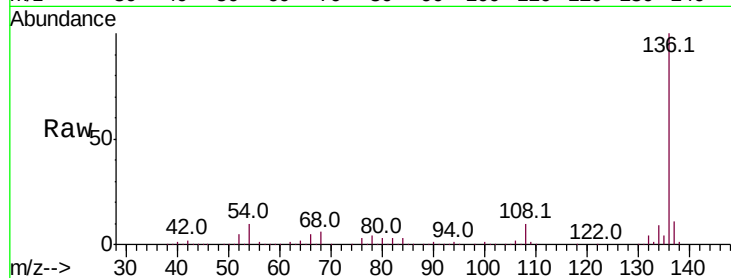




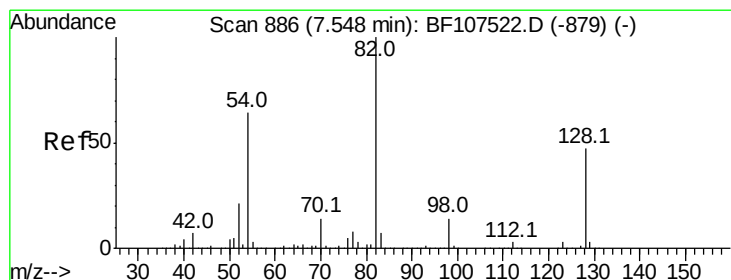
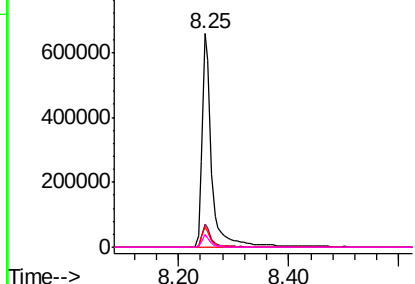
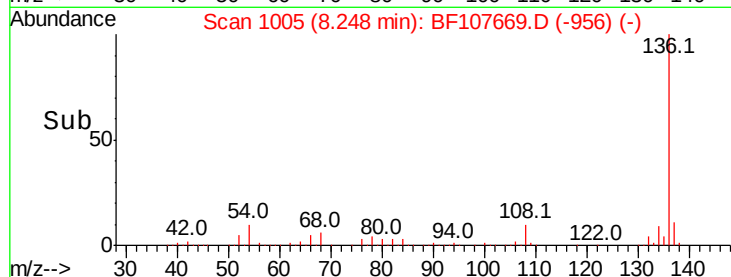
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	136	Resp	798475
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.9	6.6	9.8#
68	5.9	5.0	7.4

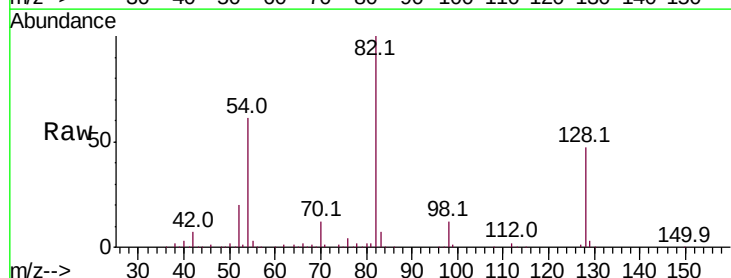


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

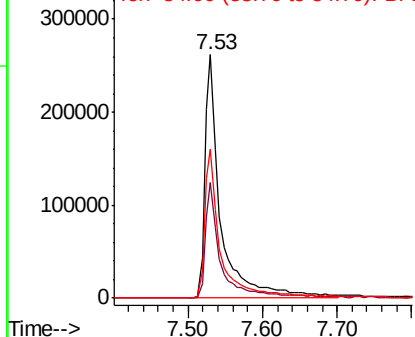
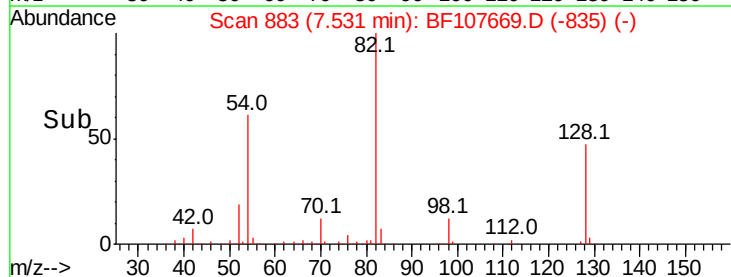


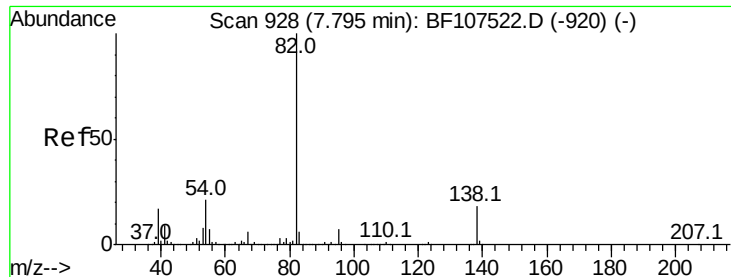
#23
Nitrobenzene-d5
Concen: 33.091 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

Tgt Ion	82	Resp	391513
Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	61.3	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





#25

Isophorone

Concen: 15.498 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

Instrument :

BNA_F

ClientSampleId :

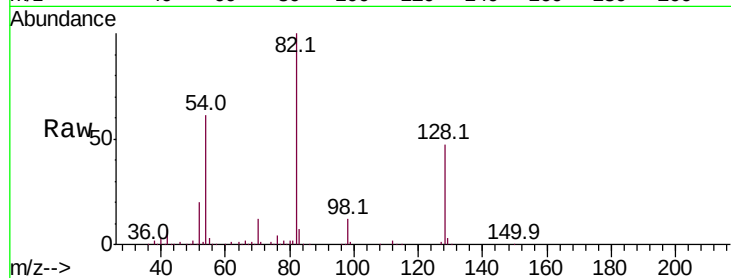
Tot Ion: 82 Resp: 391513

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

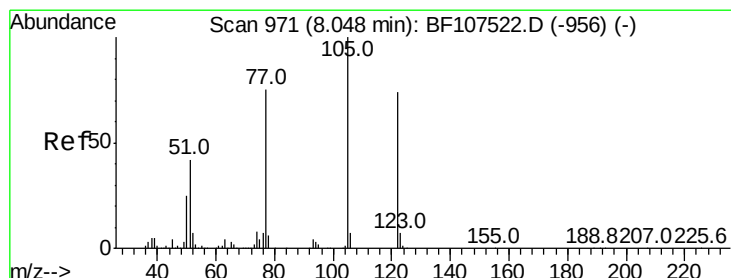
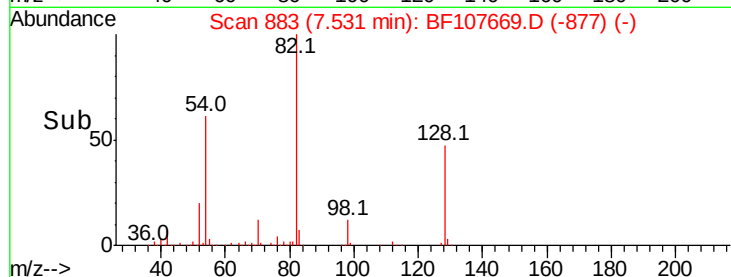
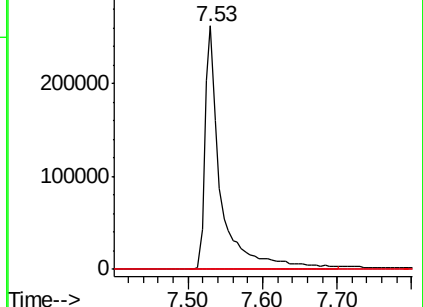
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.913 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.20 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

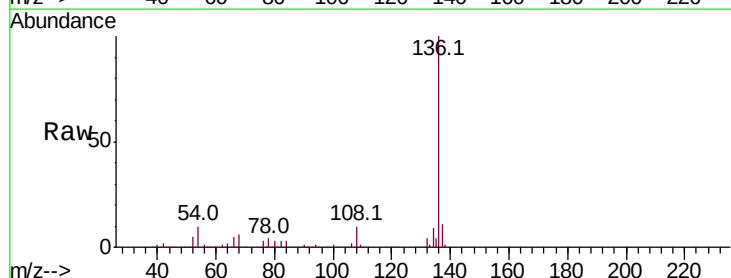
Tgt Ion: 122 Resp: 119

Ion Ratio Lower Upper

122 100

105 149.9 101.1 141.1#

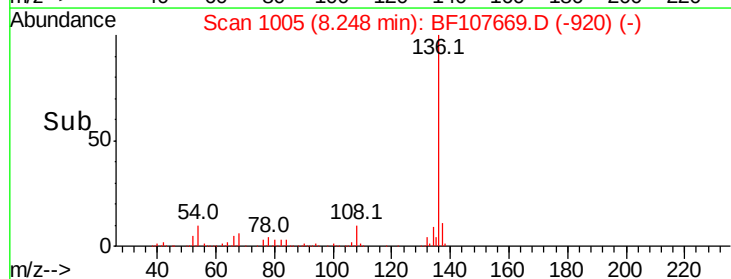
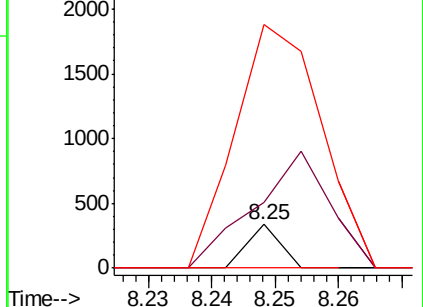
77 557.6 70.7 110.7#

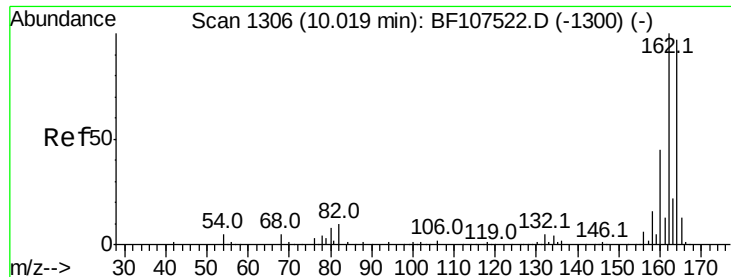


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

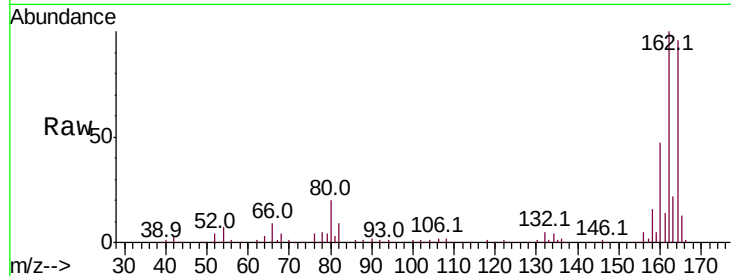




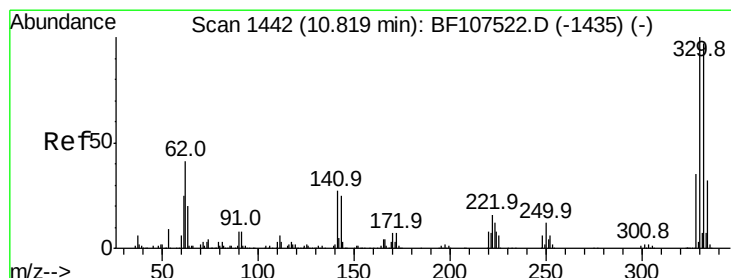
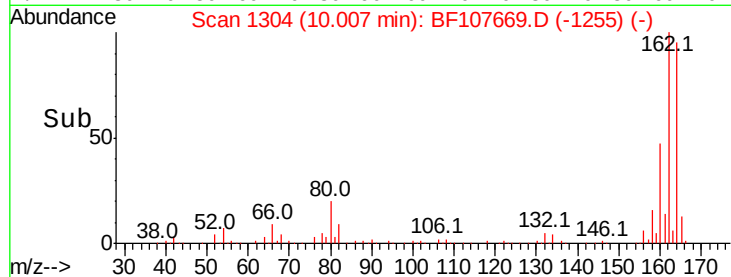
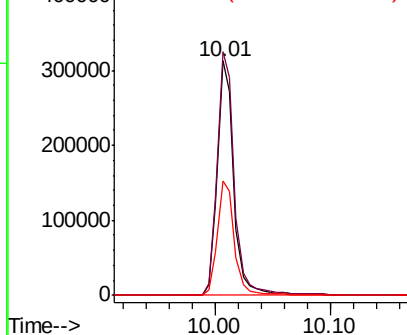
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 311393
Ion Ratio Lower Upper
164 100
162 103.8 86.1 129.1
160 48.6 38.3 57.5

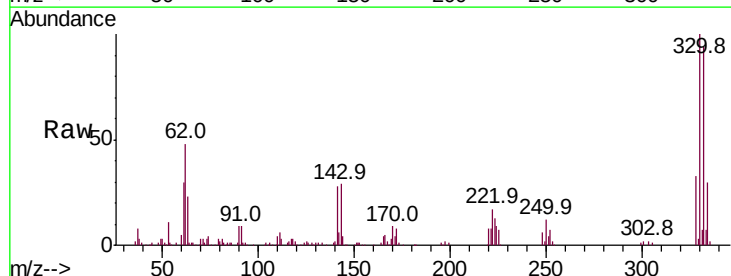


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

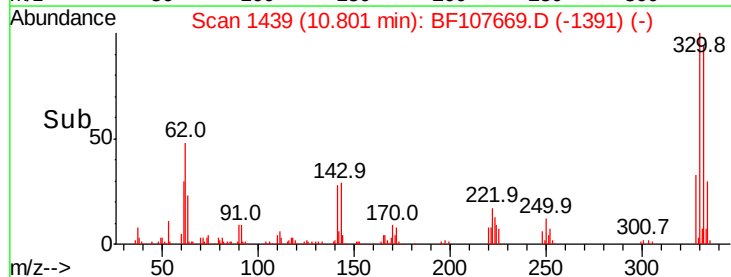
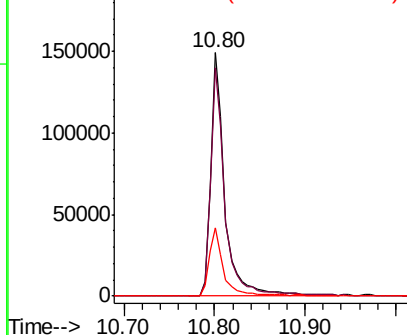


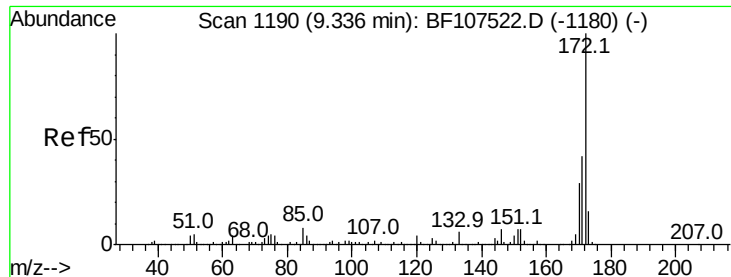
#41
2,4,6-Tribromophenol
Concen: 46.313 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.02 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

Tgt Ion:330 Resp: 163996
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 28.3 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: 34.642 ng

RT: 9.32 min Scan# 1187

Delta R.T. -0.02 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

Instrument :

BNA_F

ClientSampleId :

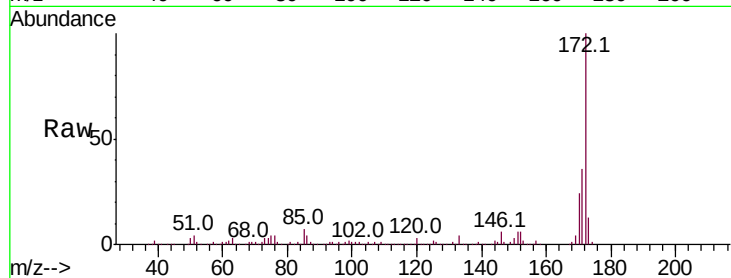
Tot Ion:172 Resp: 765929

Ion Ratio Lower Upper

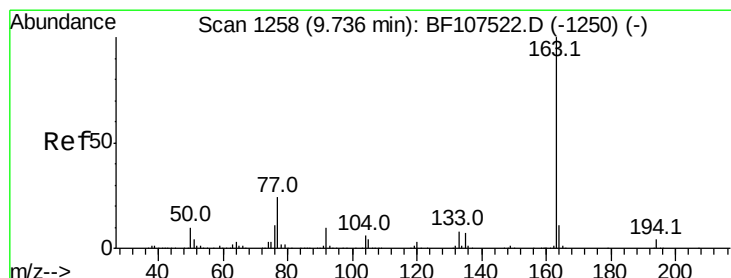
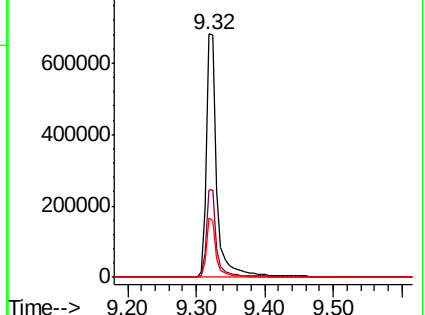
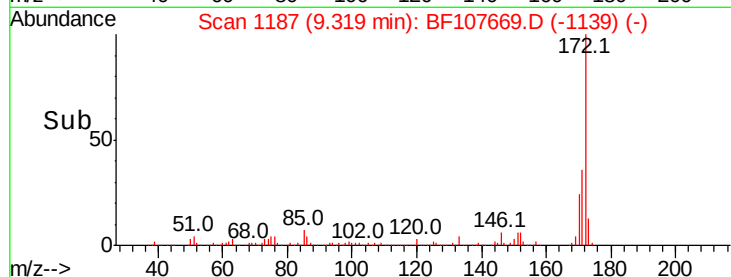
172 100

171 36.0 29.7 44.5

170 24.2 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: 2.779 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

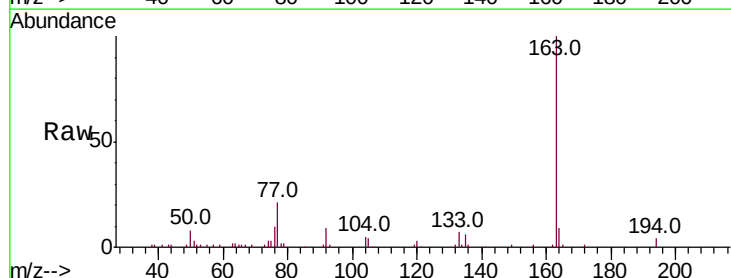
Tgt Ion:163 Resp: 65208

Ion Ratio Lower Upper

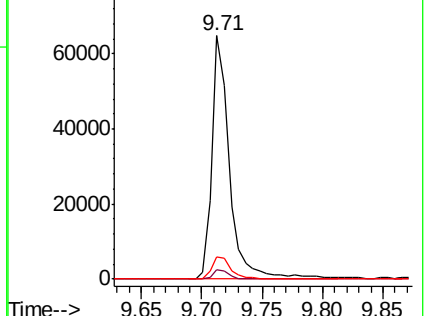
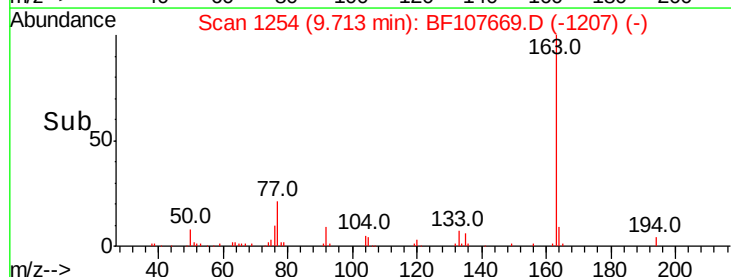
163 100

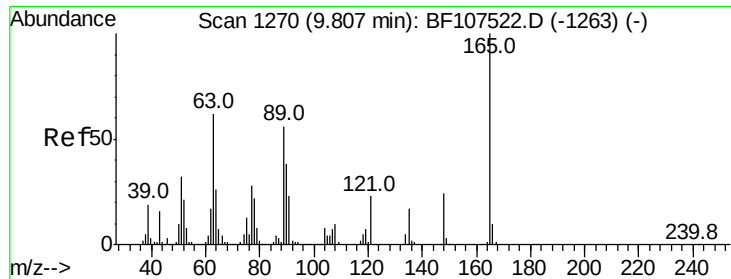
194 4.0 2.7 4.1

164 9.2 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

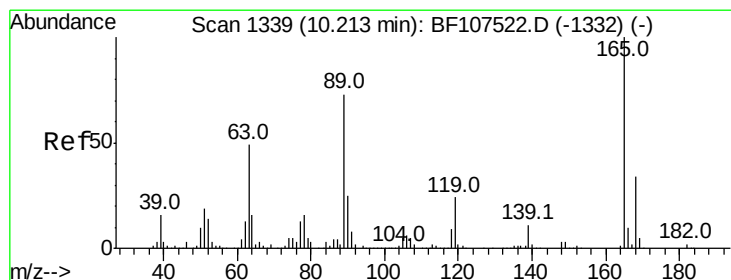
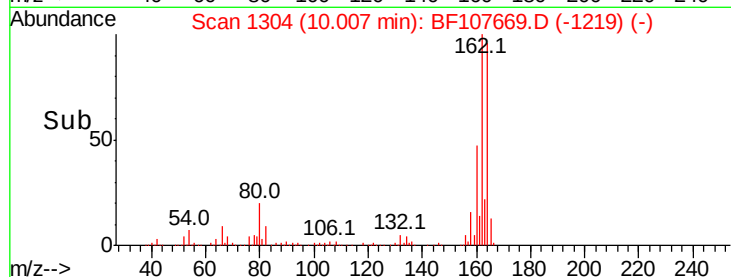
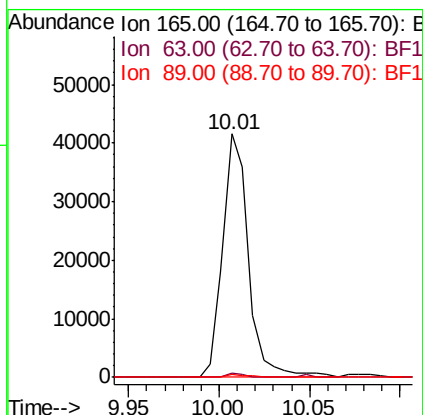
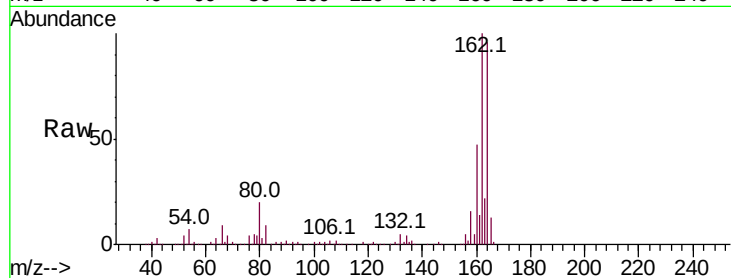




#50
 2,6-Dinitrotoluene
 Concen: 8.855 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF107669.D
 Acq: 25 Jul 2018 20:44

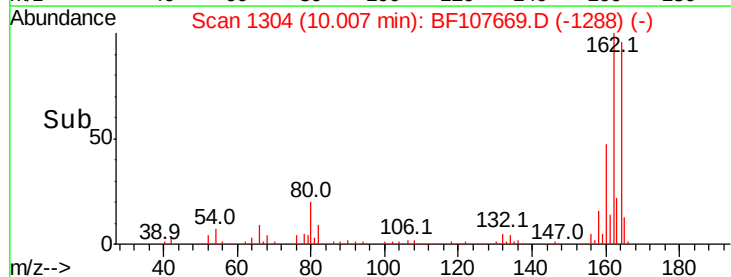
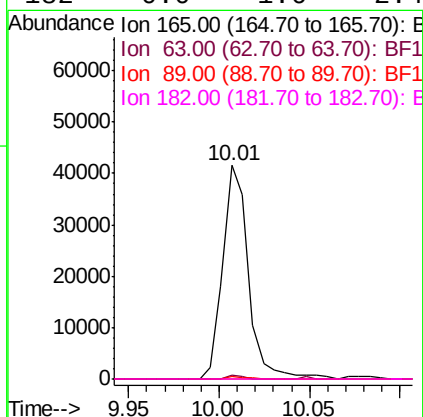
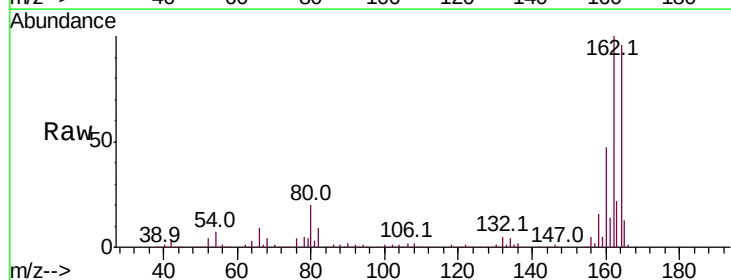
Instrument :
 BNA_F
 ClientSampled :

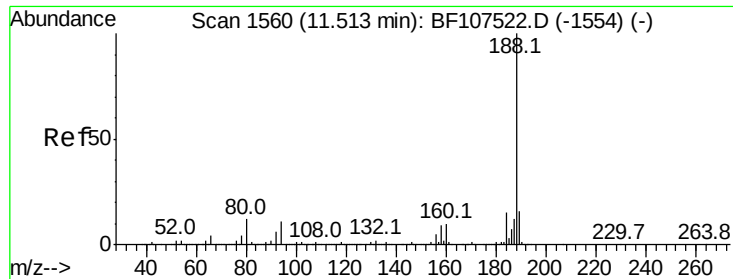
Tot Ion:165 Resp: 41260
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.7 67.1#
 89 1.4 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.336 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107669.D
 Acq: 25 Jul 2018 20:44

Tgt Ion:165 Resp: 41260
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#

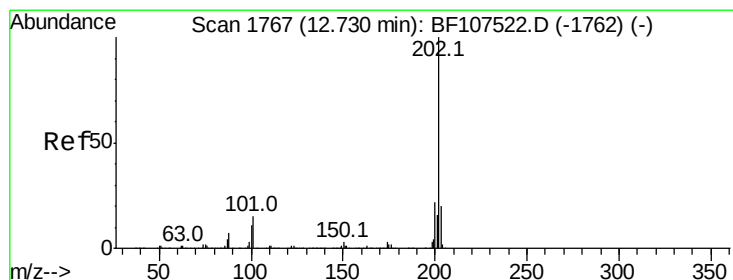
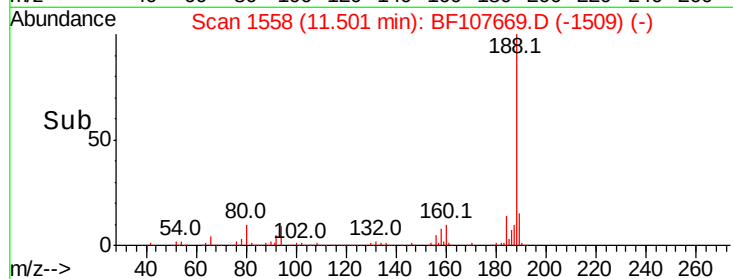
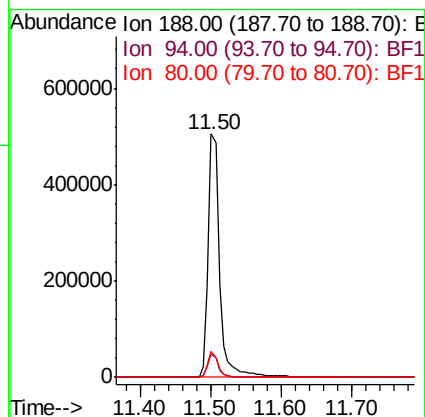
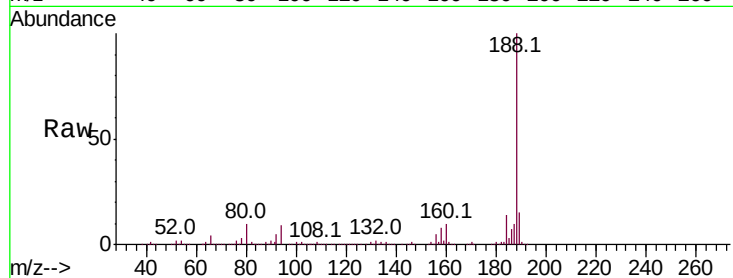




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

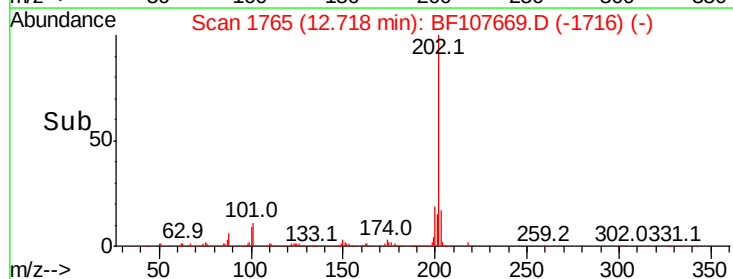
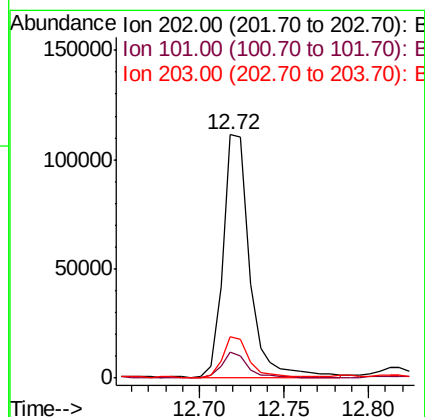
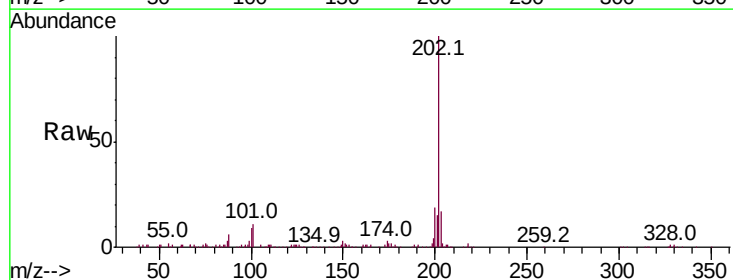
Instrument :
BNA_F
ClientSampleId :

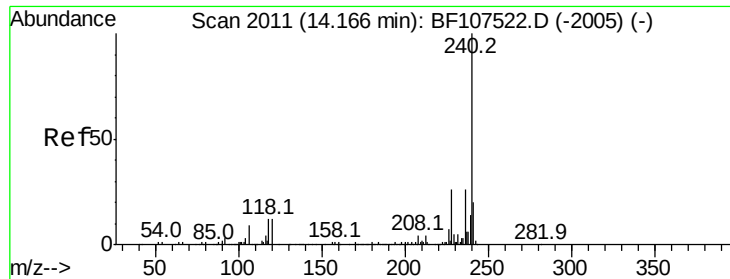
Tot Ion:188 Resp: 570895
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 10.5 9.2 13.8



#74
Fluoranthene
Concen: 4.095 ng
RT: 12.72 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

Tgt Ion:202 Resp: 122258
Ion Ratio Lower Upper
202 100
101 10.8 0.0 34.1
203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

Instrument :

BNA_F

ClientSampled :

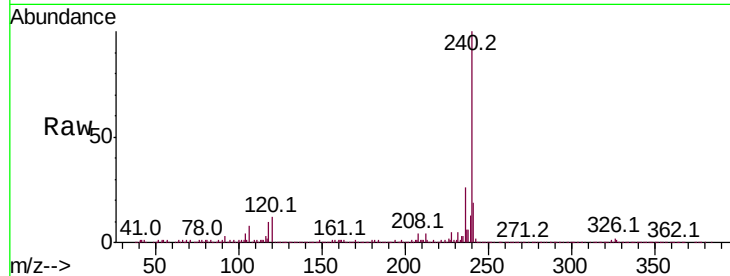
Tot Ion:240 Resp: 431608

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

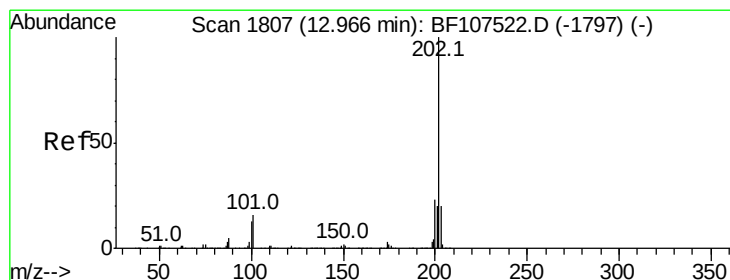
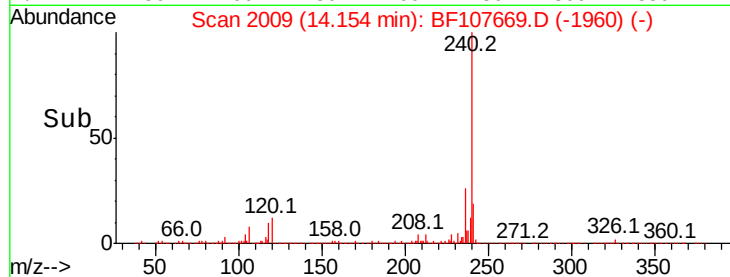
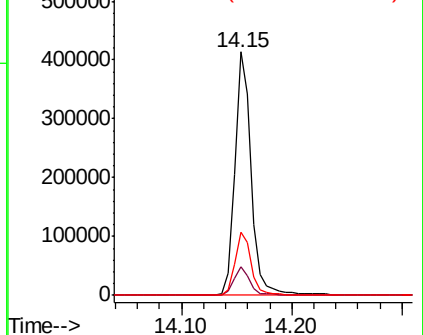
236 26.0 20.7 31.1



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: 4.141 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.25 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

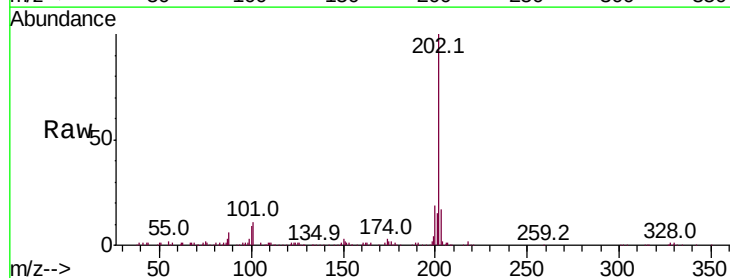
Tgt Ion:202 Resp: 122258

Ion Ratio Lower Upper

202 100

200 19.1 17.4 26.2

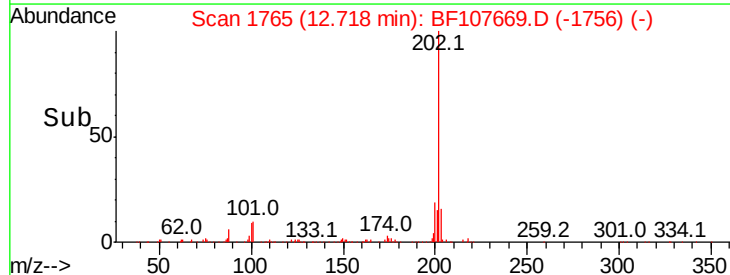
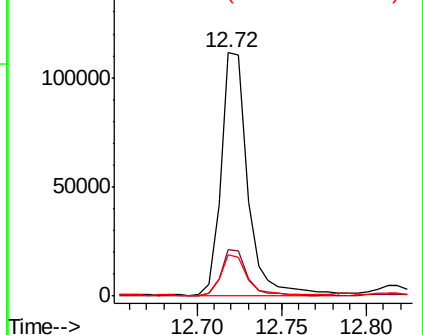
203 16.9 14.3 21.5

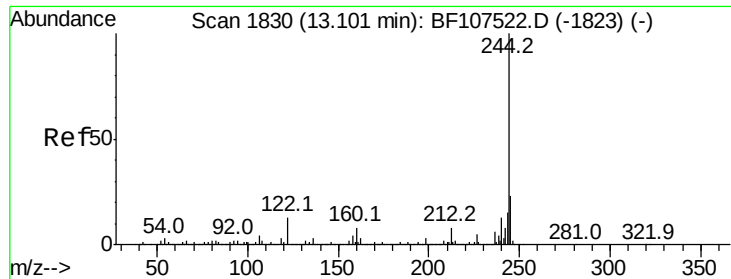


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 36.318 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

Instrument :

BNA_F

ClientSampleId :

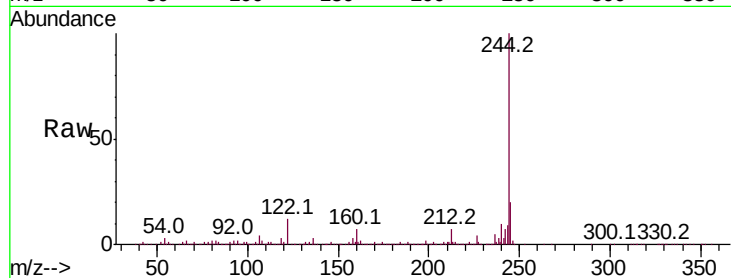
Tot Ion:244 Resp: 612283

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

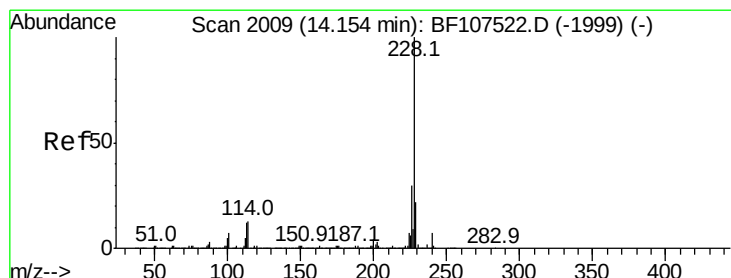
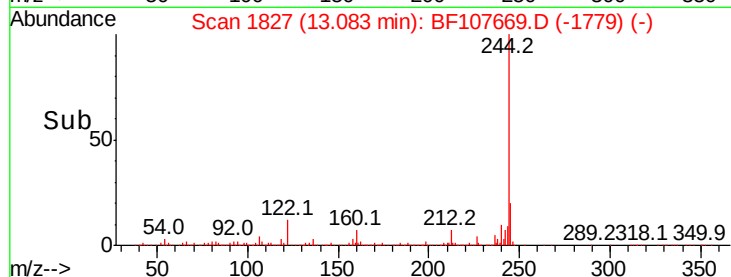
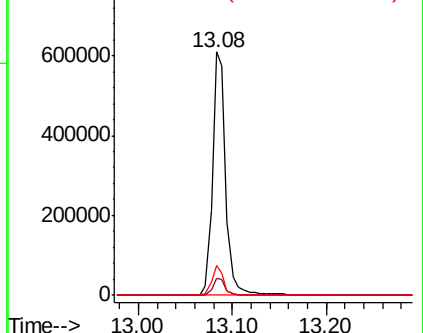
122 12.2 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 2.140 ng

RT: 14.18 min Scan# 2014

Delta R.T. 0.03 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

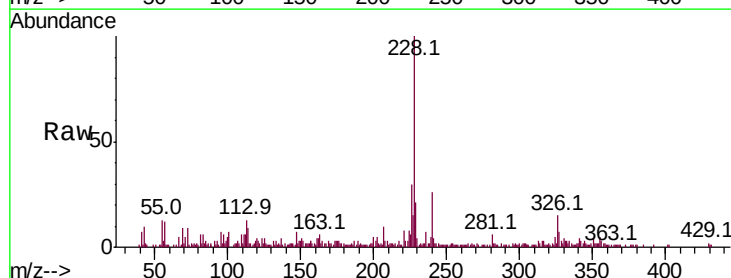
Tgt Ion:228 Resp: 54116

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

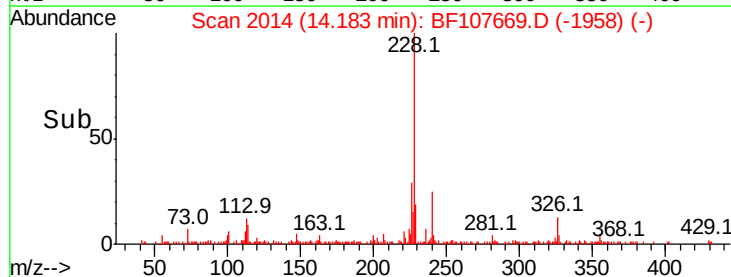
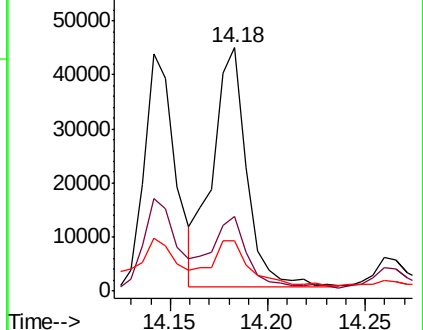
229 20.9 15.8 23.6

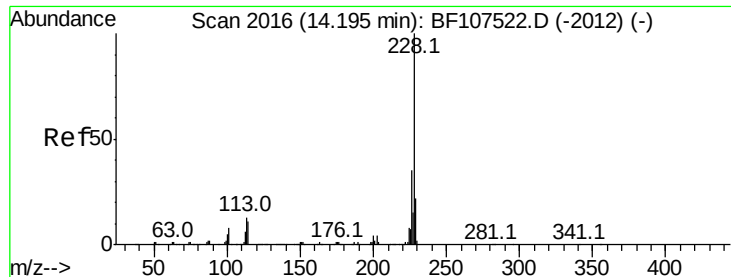


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

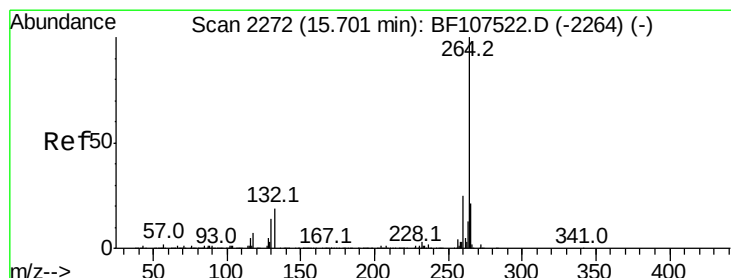
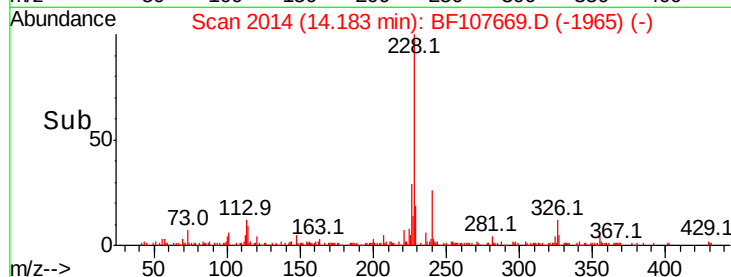
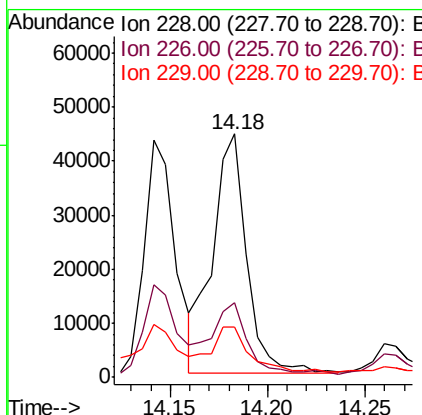
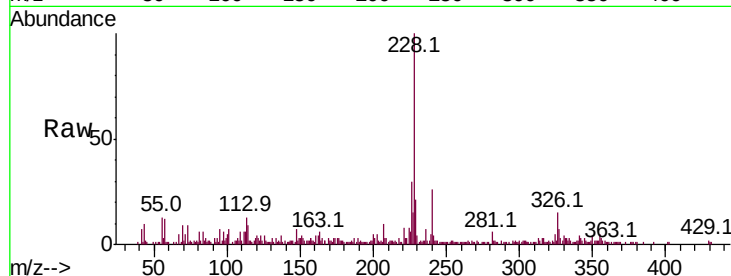




#82
Chrysene
Concen: 2.227 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

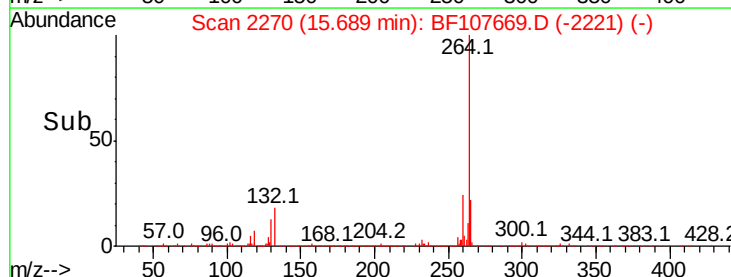
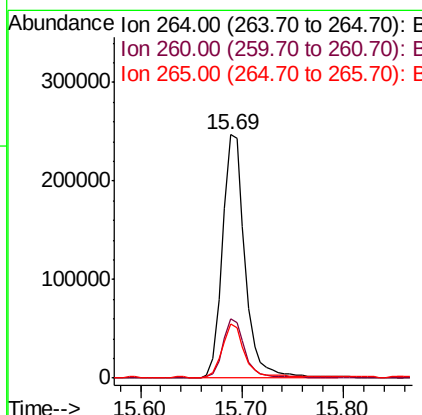
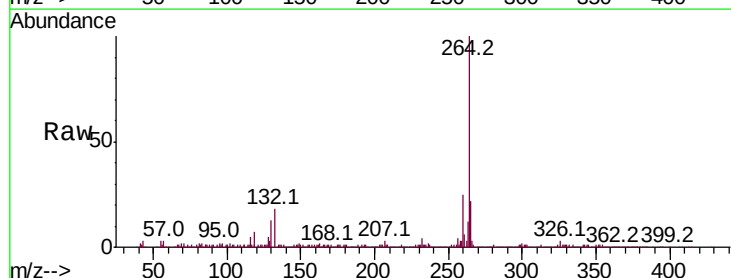
Instrument :
BNA_F
ClientSampleId :

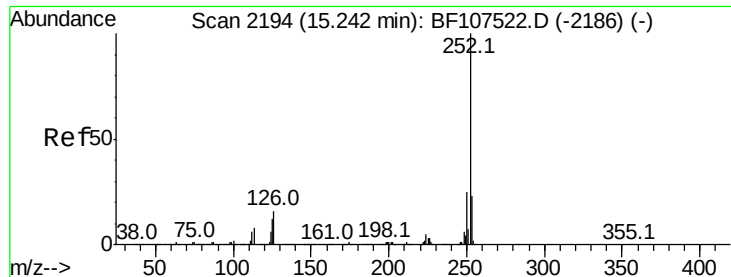
Tot Ion:228 Resp: 54116
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 20.9 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107669.D
Acq: 25 Jul 2018 20:44

Tgt Ion:264 Resp: 383676
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.0 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.956 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

Instrument :

BNA_F

ClientSampleId :

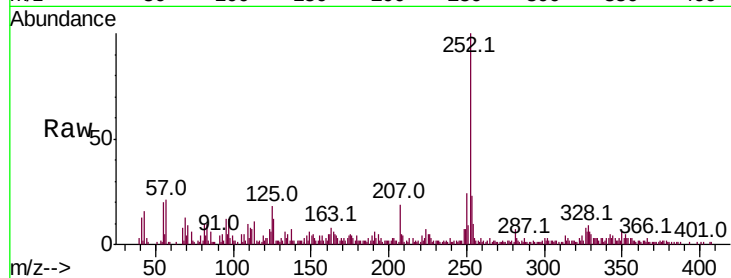
Tot Ion:252 Resp: 83077

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

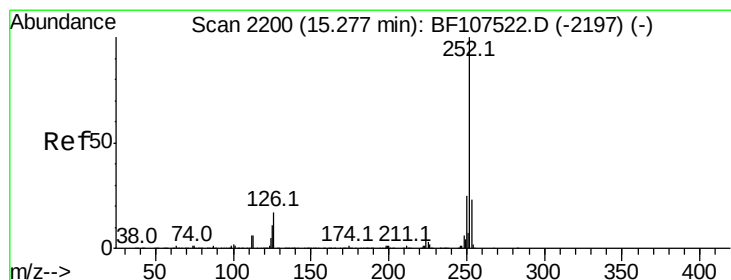
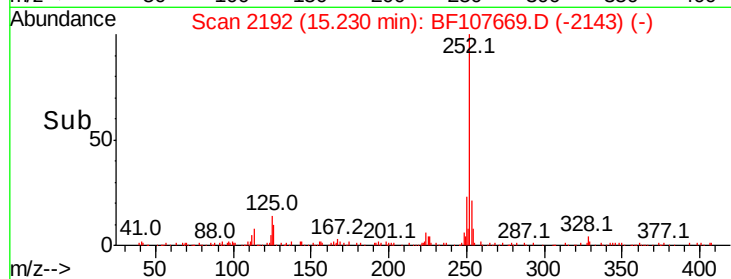
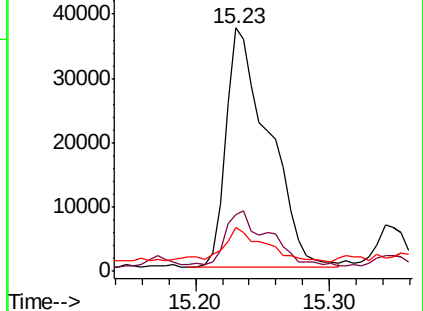
125 18.1 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.038 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.05 min

Lab File: BF107669.D

Acq: 25 Jul 2018 20:44

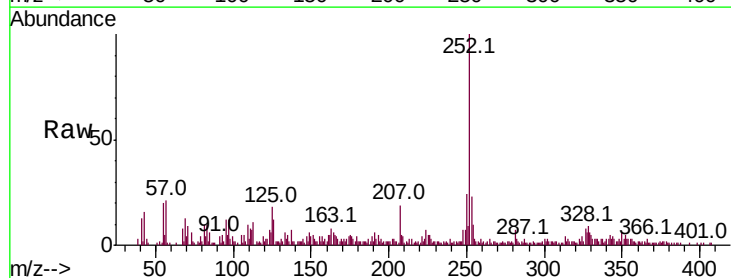
Tgt Ion:252 Resp: 83077

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 18.1 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

