

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072318\
 Data File : BF107602.D
 Acq On : 23 Jul 2018 21:34
 Operator : JU/SJ
 Sample : J4101-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 24 03:22:52 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	6.98	152	243502	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	852262	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	321442	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	652026	20.00	ng	0.00
75) Chrysene-d12	14.17	240	524410	20.00	ng	0.00
86) Perylene-d12	15.71	264	404155	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	992443	65.53	ng	0.00
7) Phenol-d6	6.61	99	1192060	65.55	ng	0.00
23) Nitrobenzene-d5	7.54	82	685579	54.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	278910	76.30	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1210204	59.06	ng	0.00
78) Terphenyl-d14	13.10	244	1195385	58.36	ng	0.00

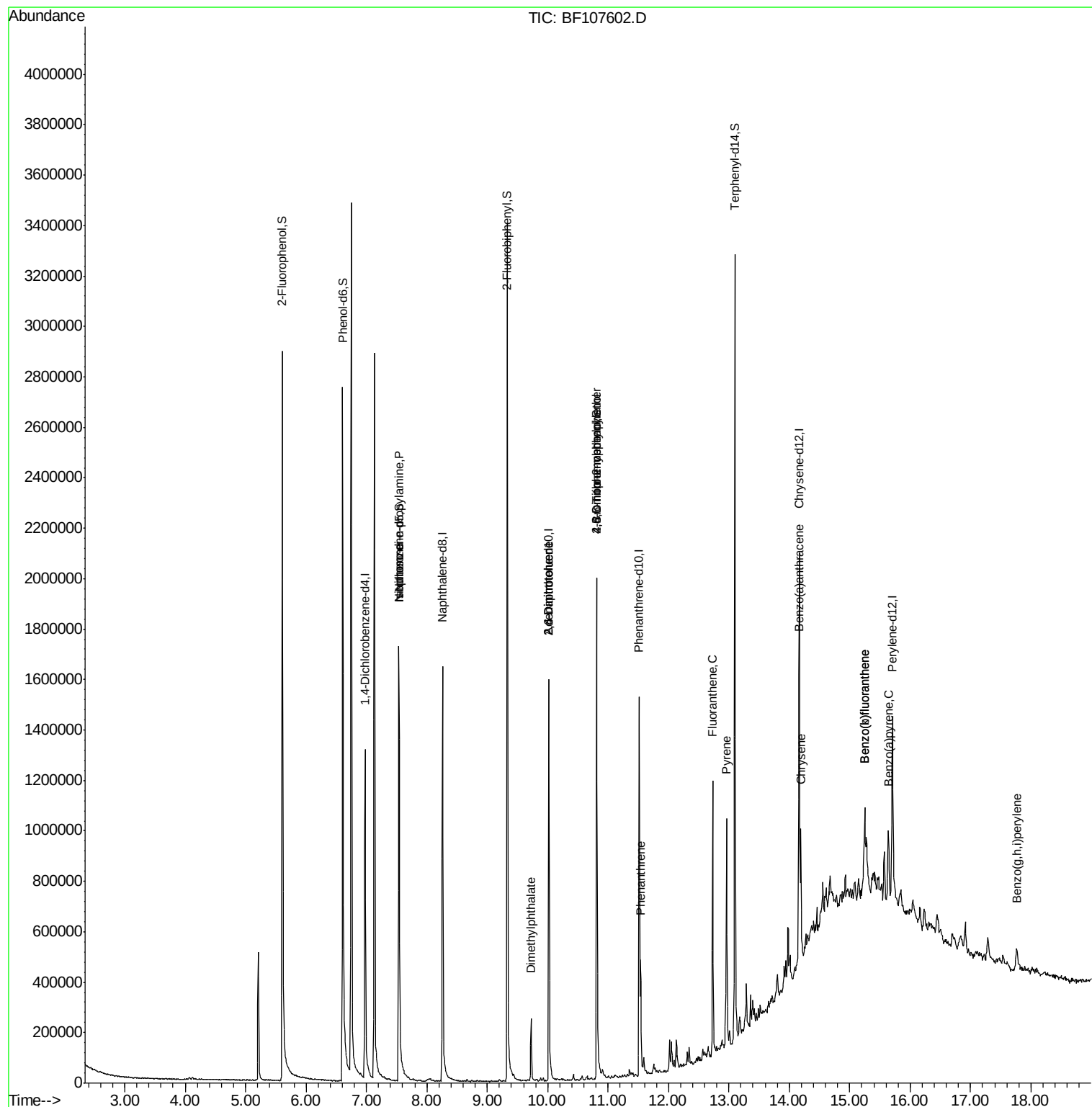
Target Compounds				Qvalue		
9) Benzaldehyde	6.75	77	21261	Below Cal		90
19) n-Nitroso-di-n-propylamine	7.54	70	88665	7.547 ng	#	78
25) Isophorone	7.54	82	685636	25.428 ng	#	64
49) Dimethylphthalate	9.72	163	105116	4.339 ng		98
50) 2,6-Dinitrotoluene	10.02	165	40441	8.408 ng	#	25
56) 2,4-Dinitrotoluene	10.02	165	40441	6.965 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.81	198	421	8.790 ng	#	1
66) 4-Bromophenyl-phenylether	10.81	248	15963	2.080 ng	#	1
70) Phenanthrene	11.54	178	164726	5.184 ng		97
73) Di-n-butylphthalate	12.06	149	24405	Below Cal		99
74) Fluoranthene	12.74	202	518712	15.214 ng		94
77) Pyrene	12.97	202	416464	11.610 ng		98
80) Benzo(a)anthracene	14.15	228	217182	7.067 ng		98
81) 3,3'-Dichlorobenzidine	14.12	252	159	Below Cal	#	54
82) Chrysene	14.19	228	223942	7.586 ng		97
87) Benzo(b)fluoranthene	15.25	252	296104	13.387 ng	#	96
88) Benzo(k)fluoranthene	15.25	252	296104	13.664 ng		98
89) Benzo(a)pyrene	15.64	252	130240	6.437 ng	#	94
91) Benzo(g,h,i)perylene	17.77	276	70202	4.069 ng		96

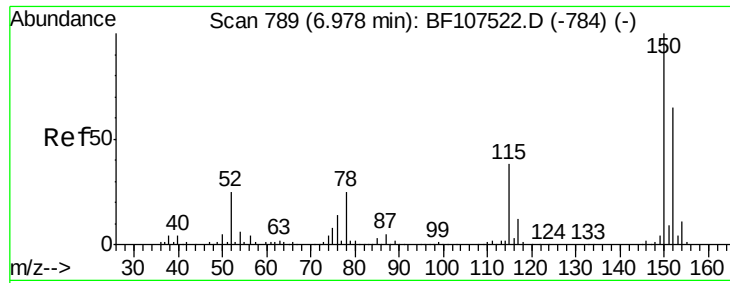
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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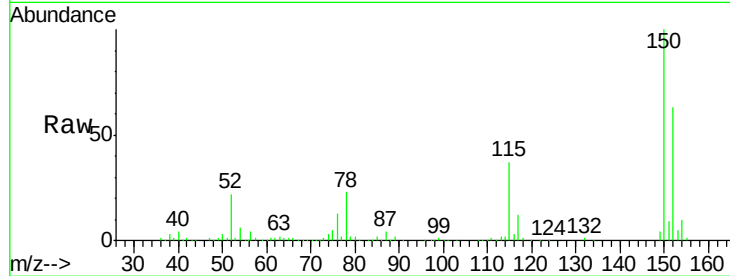


#1

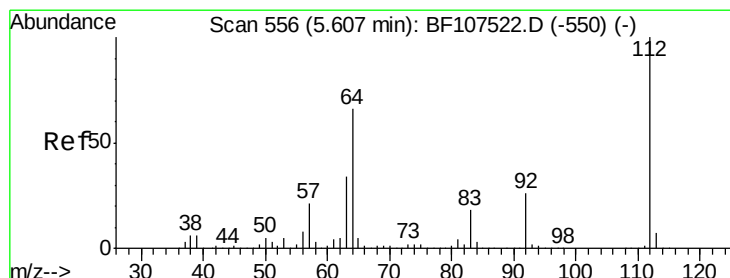
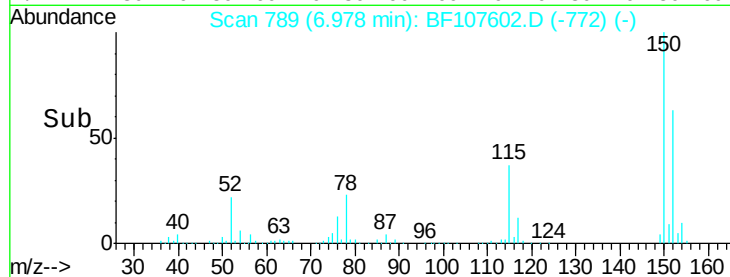
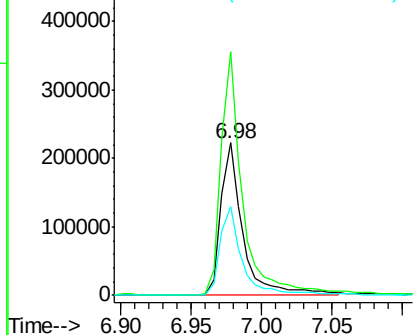
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 243502
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 58.3 50.1 75.1



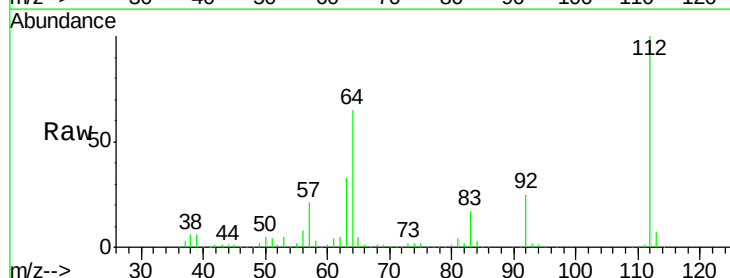
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



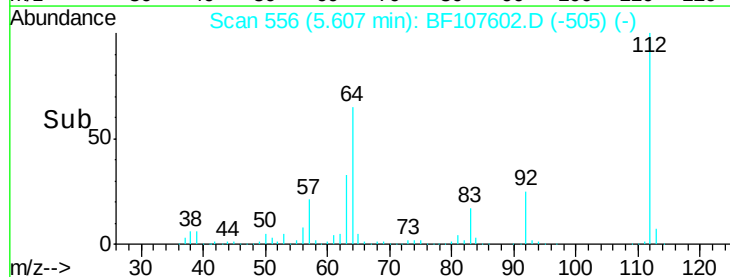
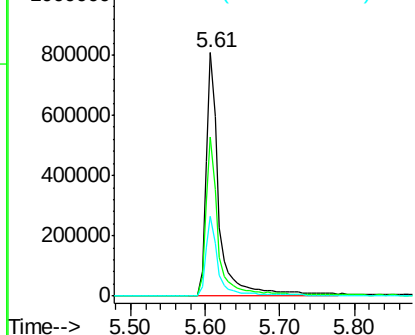
#5

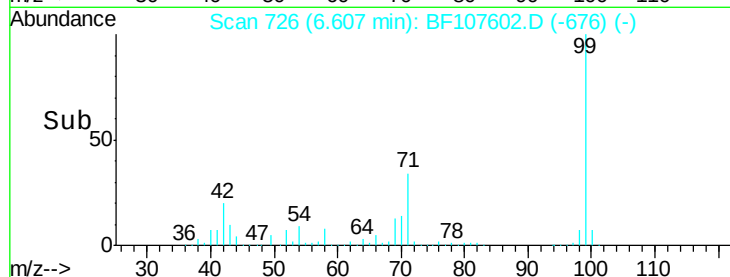
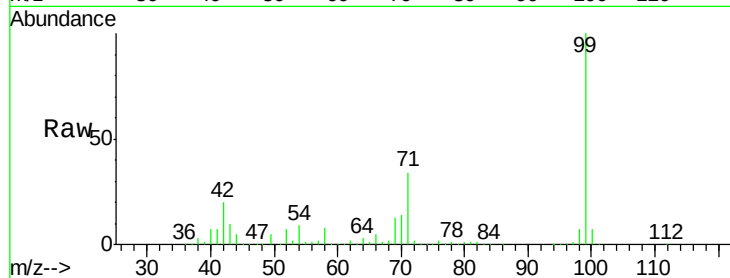
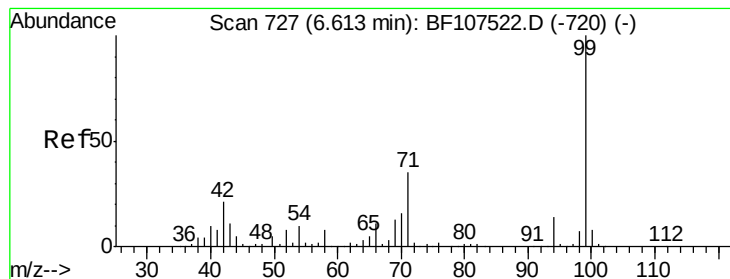
2-Fluorophenol
Concen: 65.530 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Tgt Ion:112 Resp: 992443
Ion Ratio Lower Upper
112 100
64 65.4 47.9 71.9
63 32.8 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: 65.551 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

ClientSampleId :

TP-1

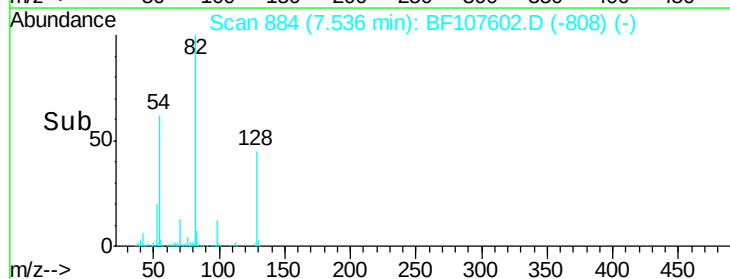
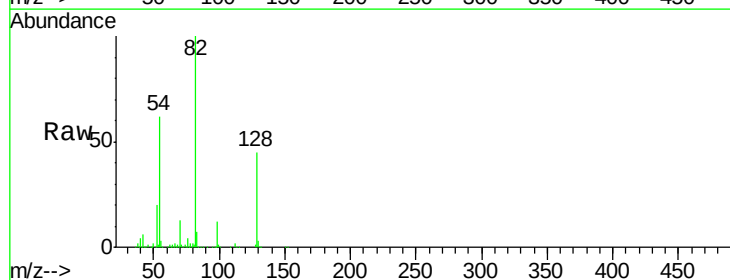
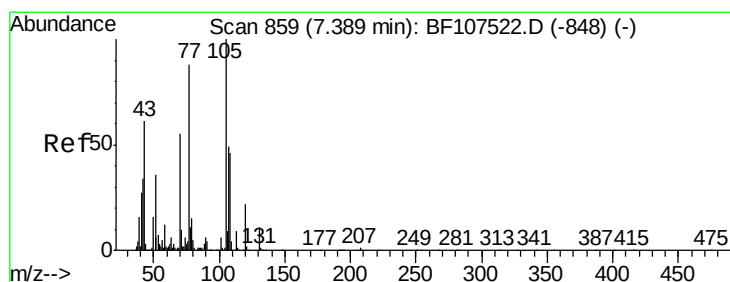
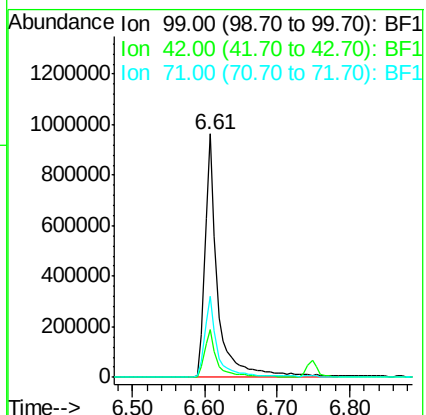
Tgt Ion: 99 Resp: 1192060

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.547 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Tgt Ion: 70 Resp: 88665

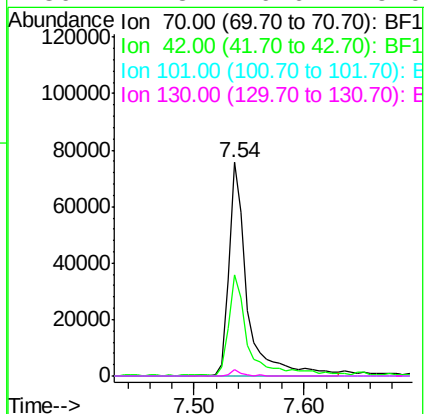
Ion Ratio Lower Upper

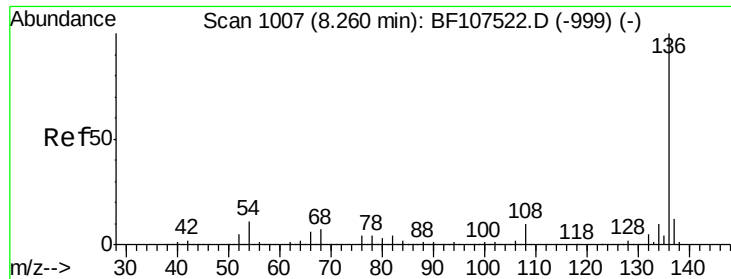
70 100

42 47.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

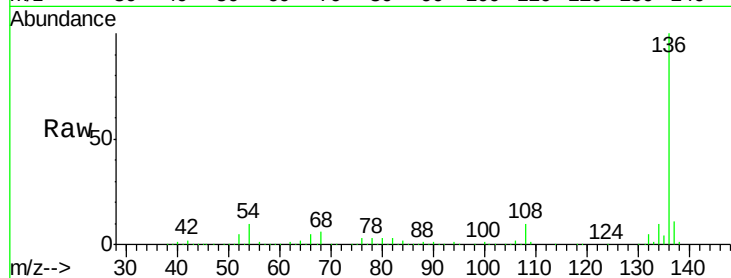




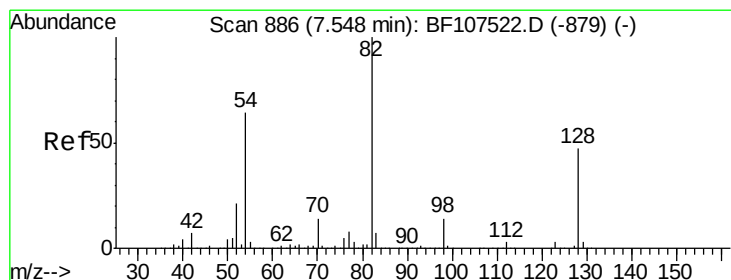
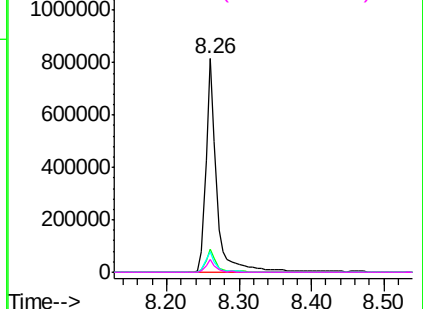
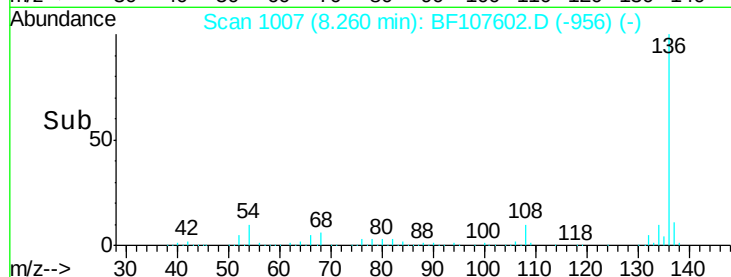
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:	136	Resp:	852262
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.8	6.6	9.8
68	5.9	5.0	7.4

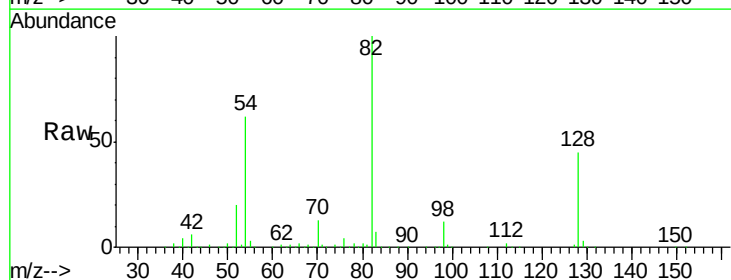


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

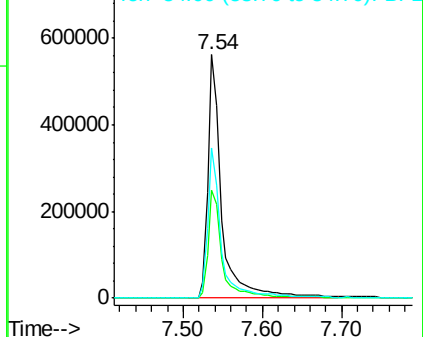
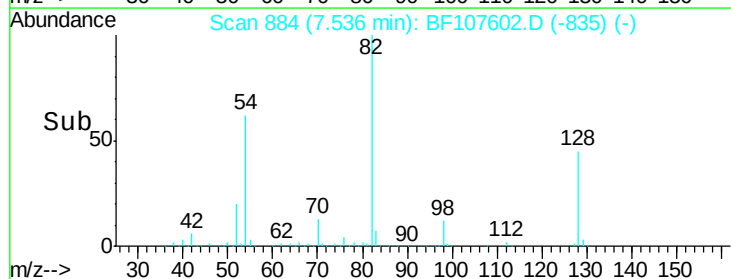


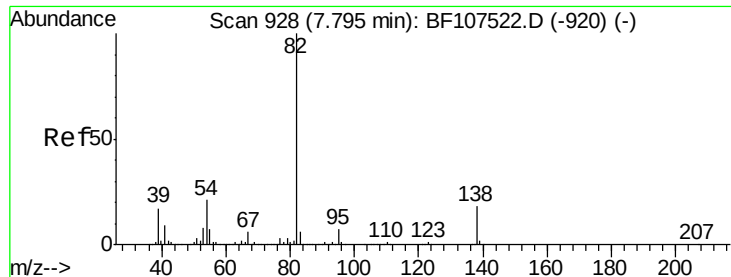
#23
Nitrobenzene-d5
Concen: 54.289 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Tgt Ion:	82	Resp:	685579
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	61.7	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: 25.428 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

ClientSampleId :

TP-1

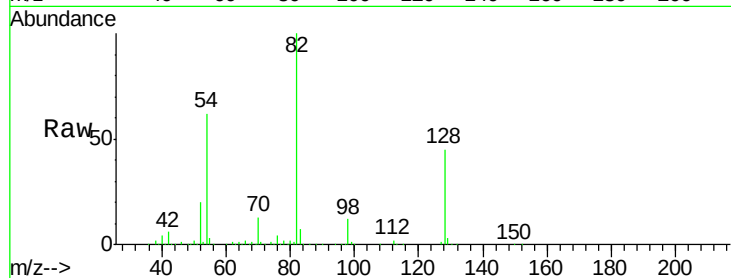
Tgt Ion: 82 Resp: 685636

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

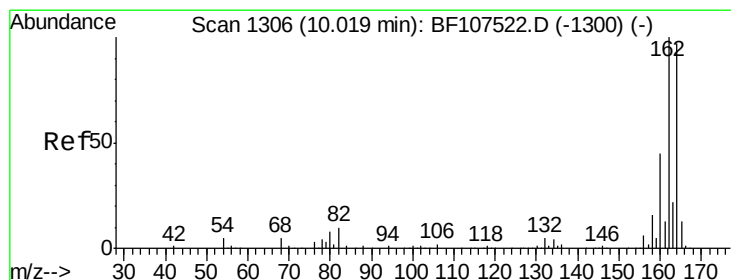
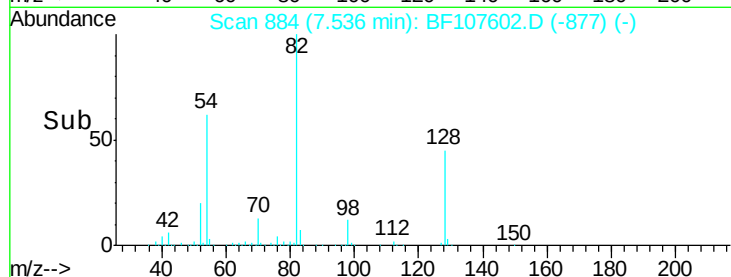
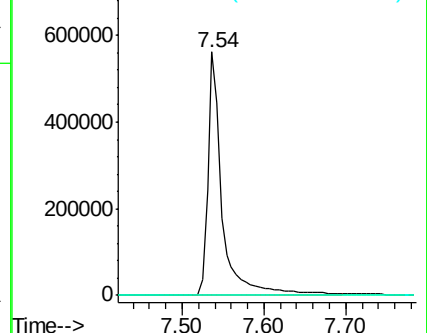
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

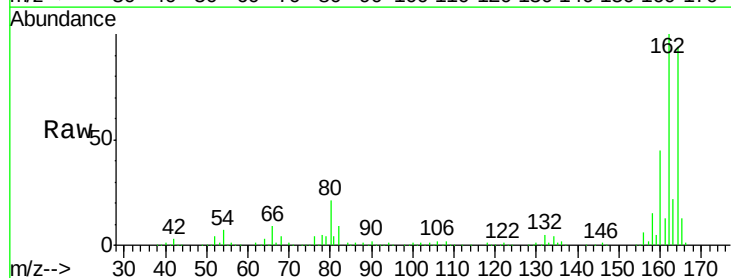
Tgt Ion: 164 Resp: 321442

Ion Ratio Lower Upper

164 100

162 106.6 86.1 129.1

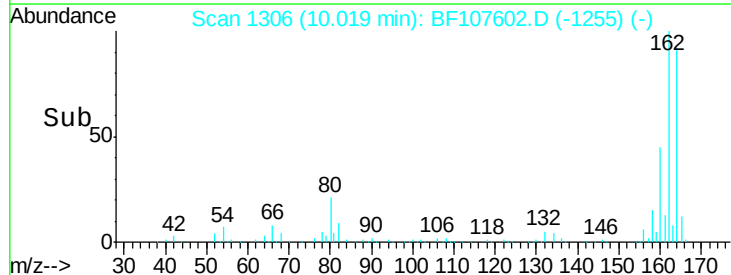
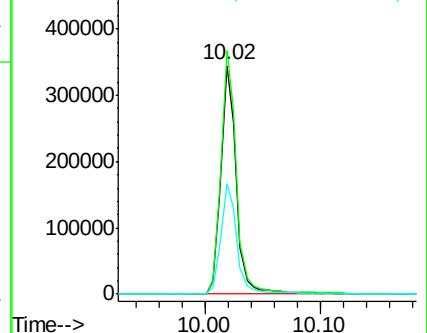
160 48.5 38.3 57.5

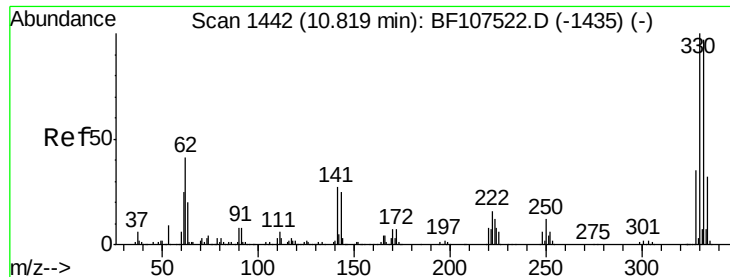


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

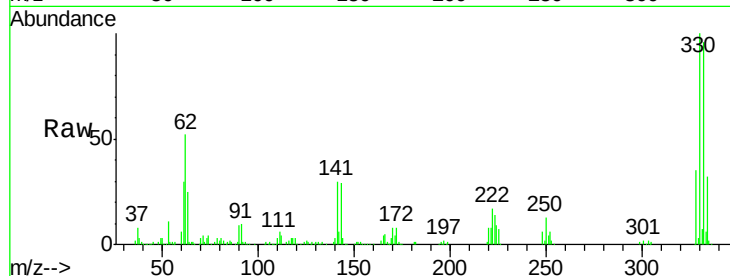




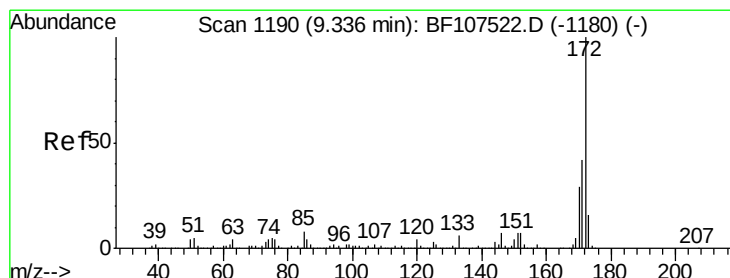
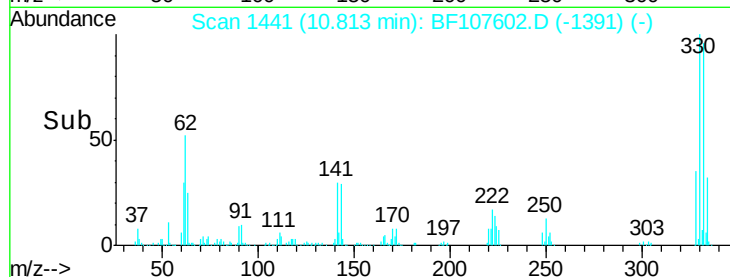
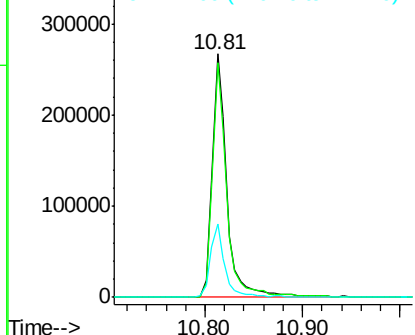
#41
 2,4,6-Tribromophenol
 Concen: 76.303 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Instrument :
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 ClientSampleId :
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Tgt Ion:330 Resp: 278910
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 29.3 29.9 44.9#

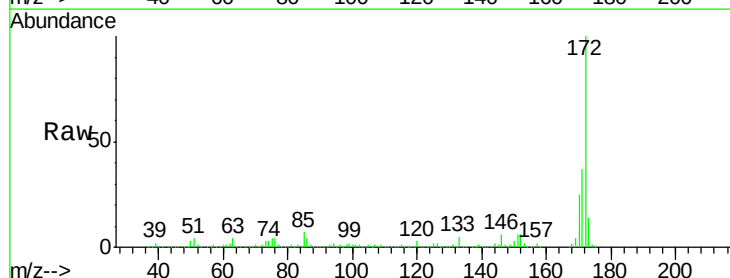


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

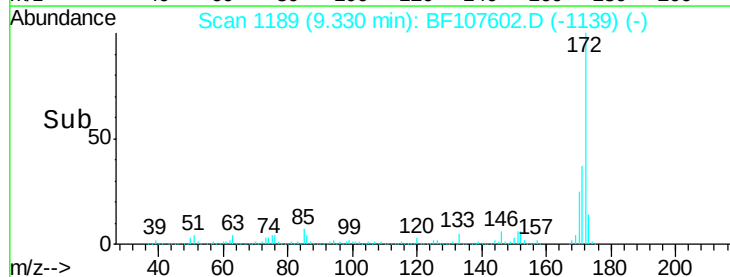
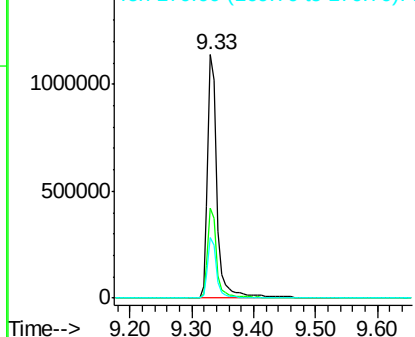


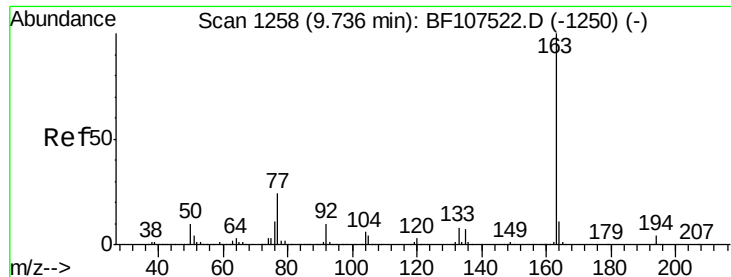
#44
 2-Fluorobiphenyl
 Concen: 59.056 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Tgt Ion:172 Resp: 1210204
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.7 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

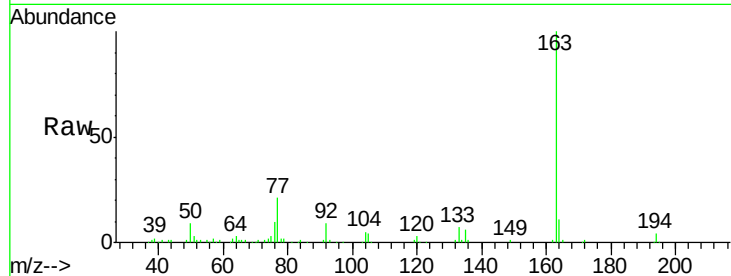




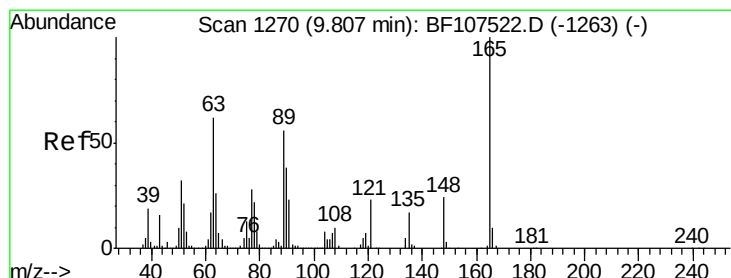
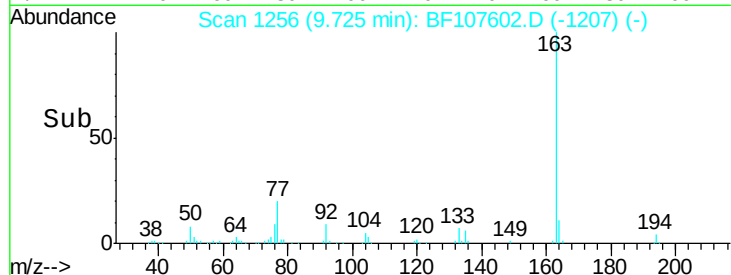
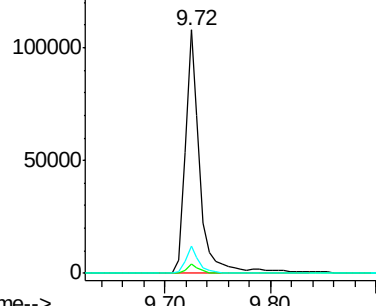
#49
 Dimethylphthalate
 Concen: 4.339 ng
 RT: 9.72 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Instrument :
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Tgt Ion:163 Resp: 105116
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.7 4.1
 164 11.1 8.2 12.2

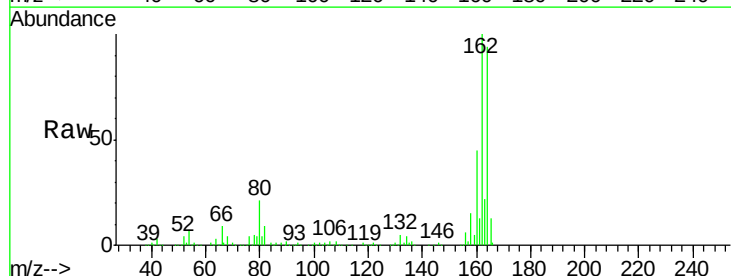


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

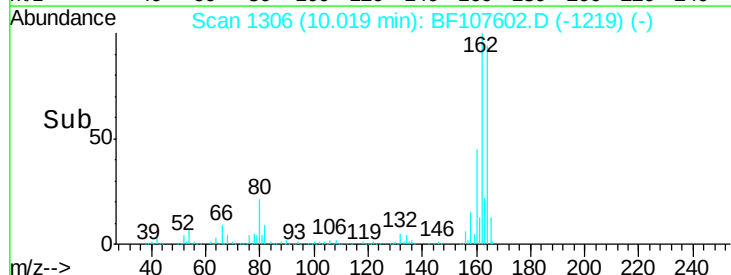
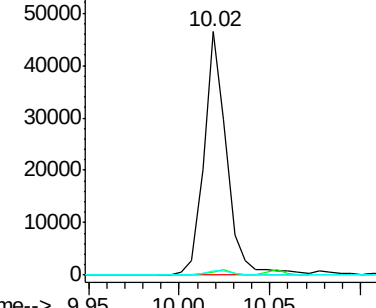


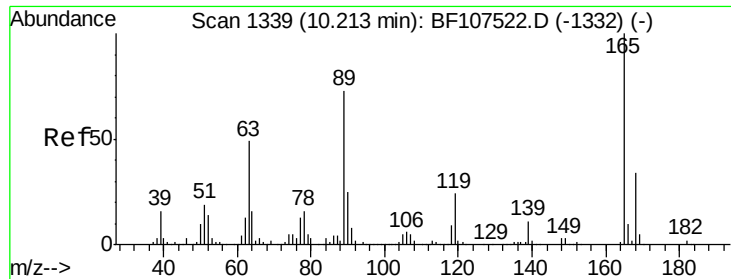
#50
 2,6-Dinitrotoluene
 Concen: 8.408 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. 0.21 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Tgt Ion:165 Resp: 40441
 Ion Ratio Lower Upper
 165 100
 63 1.0 44.7 67.1#
 89 1.7 44.0 66.0#



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

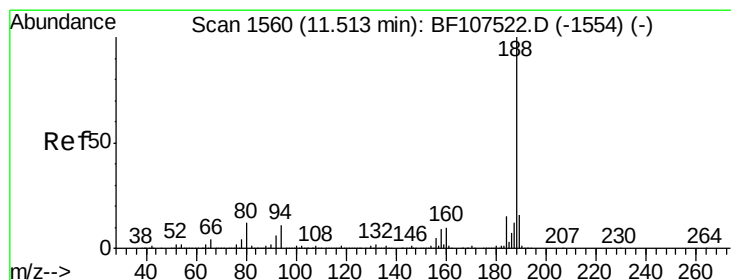
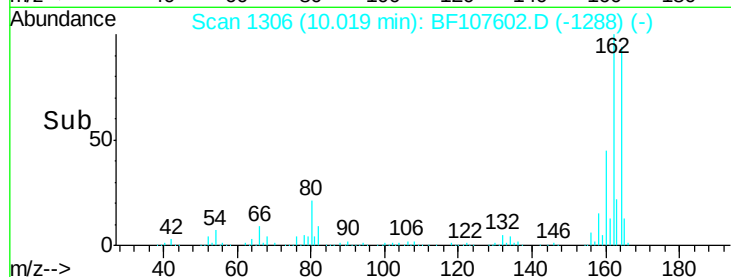
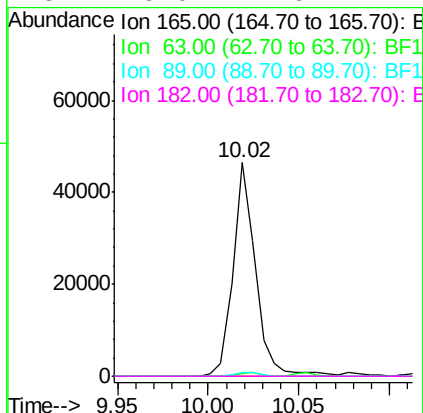
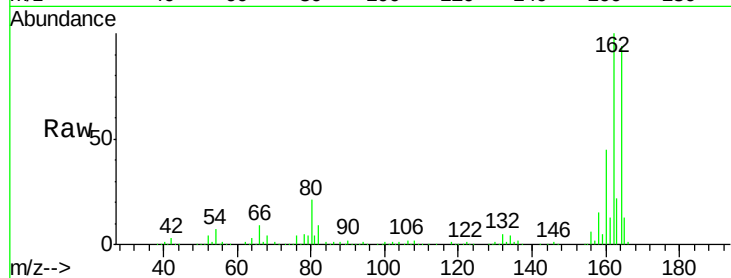




#56
 2,4-Dinitrotoluene
 Concen: 6.965 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.19 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

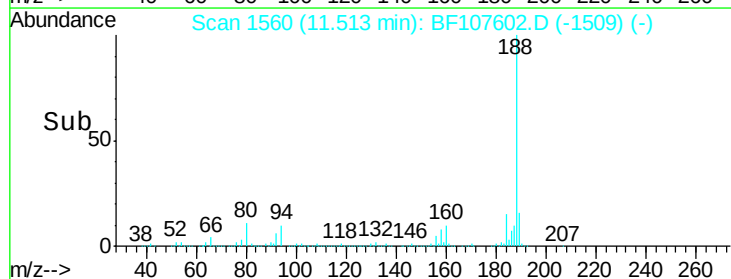
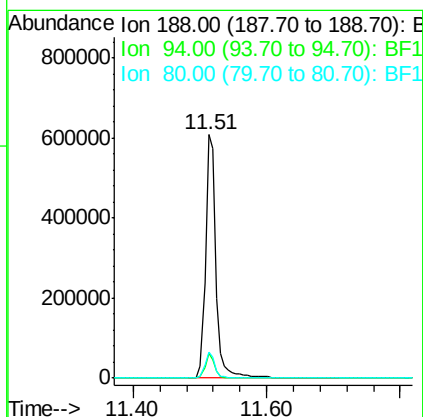
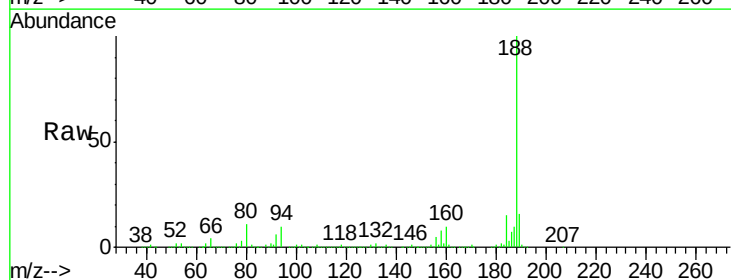
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

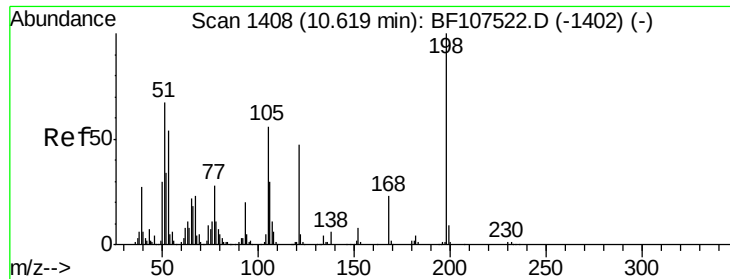
Tgt Ion:165 Resp: 40441
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.4 54.6#
 89 1.7 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Tgt Ion:188 Resp: 652026
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 10.7 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.790 ng

RT: 10.81 min Scan# 1441

Delta R.T. 0.19 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

ClientSampleId :

TP-1

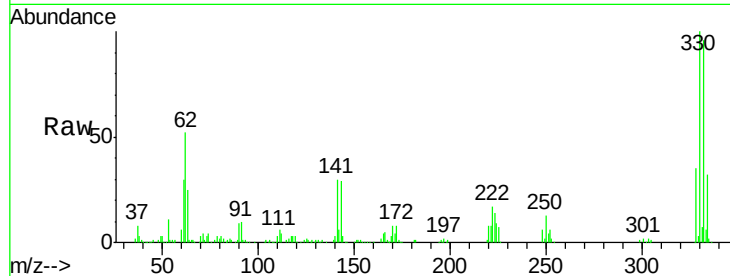
Tgt Ion:198 Resp: 421

Ion Ratio Lower Upper

198 100

51 161.5 37.7 77.7#

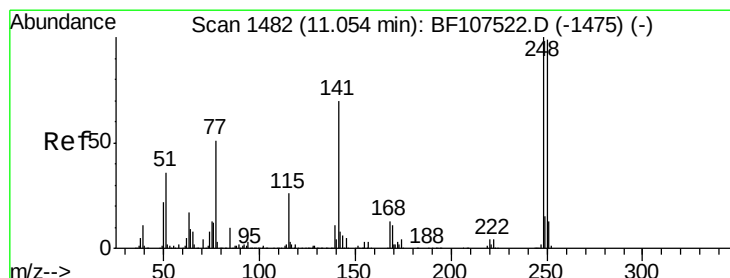
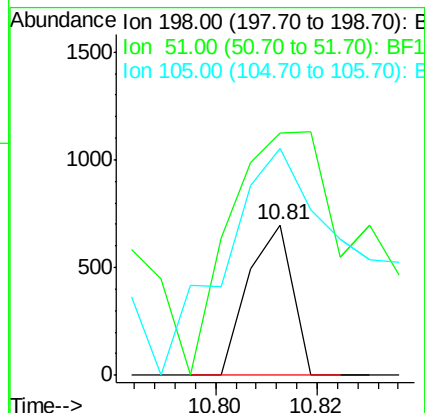
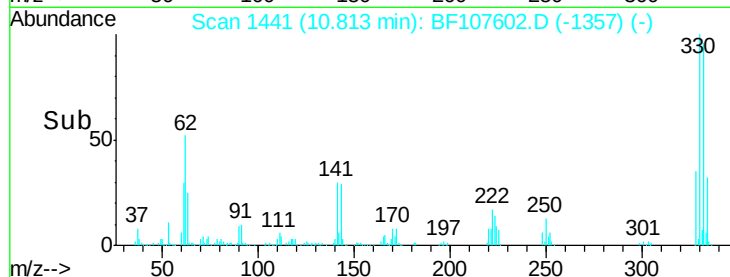
105 151.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.080 ng

RT: 10.81 min Scan# 1441

Delta R.T. -0.24 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

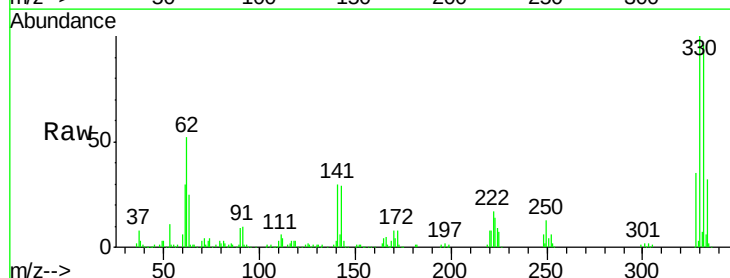
Tgt Ion:248 Resp: 15963

Ion Ratio Lower Upper

248 100

250 204.0 76.9 115.3#

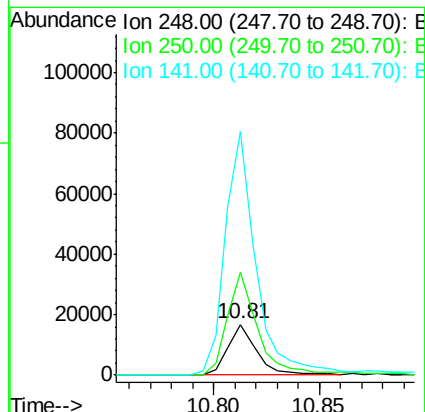
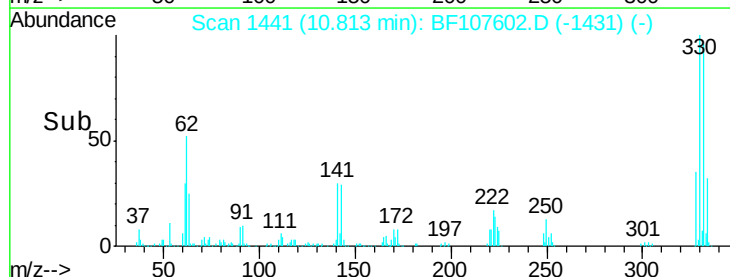
141 482.1 74.4 111.6#

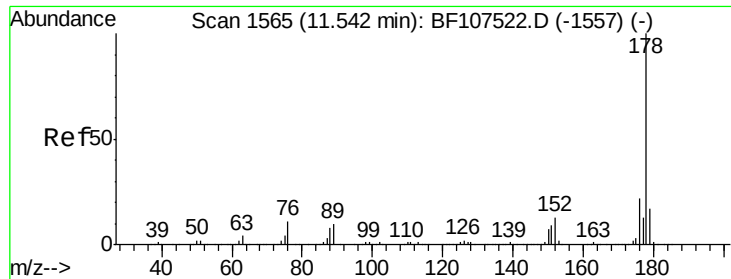


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

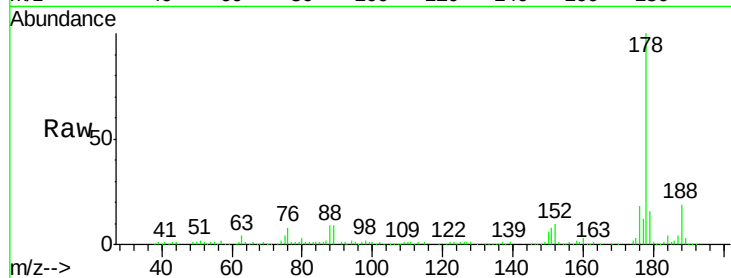




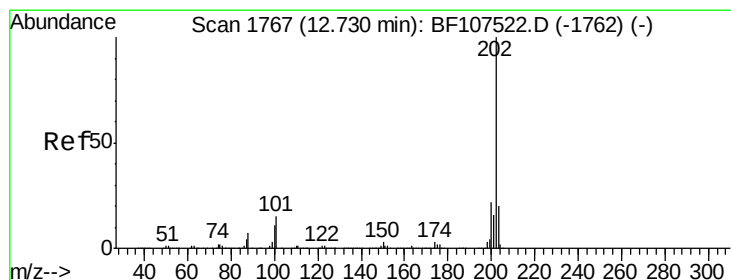
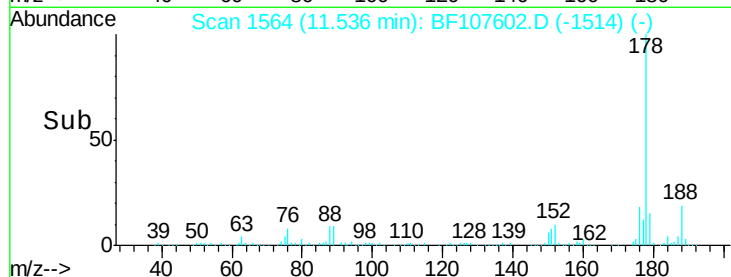
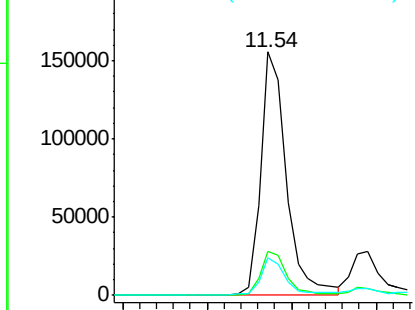
#70
Phenanthrene
Concen: 5.184 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:178 Resp: 164726
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 15.7 13.0 19.6

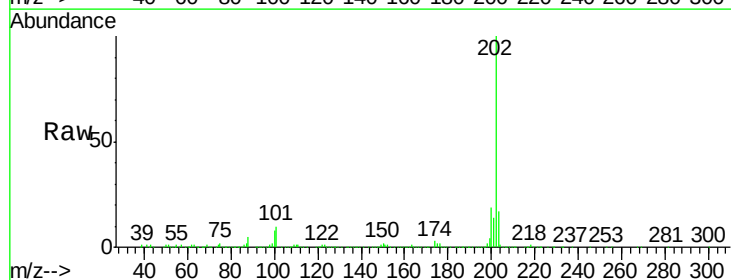


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

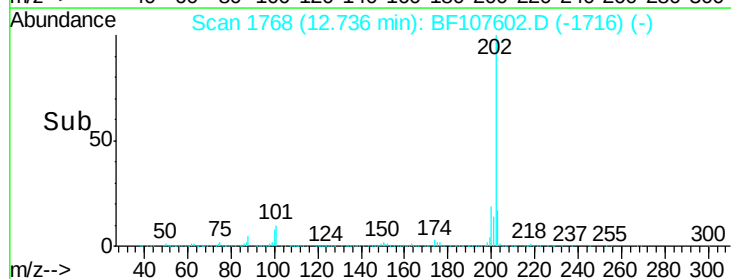
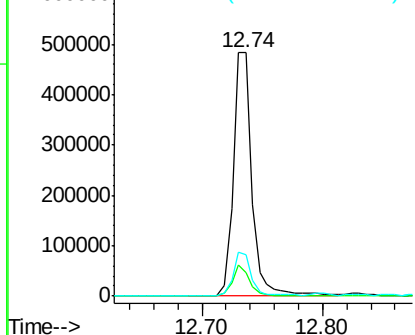


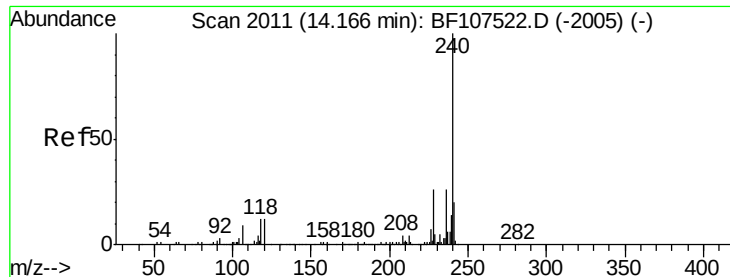
#74
Fluoranthene
Concen: 15.214 ng
RT: 12.74 min Scan# 1768
Delta R.T. 0.01 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Tgt Ion:202 Resp: 518712
Ion Ratio Lower Upper
202 100
101 9.8 0.0 34.1
203 17.1 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: 14.17 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

ClientSampleId :

TP-1

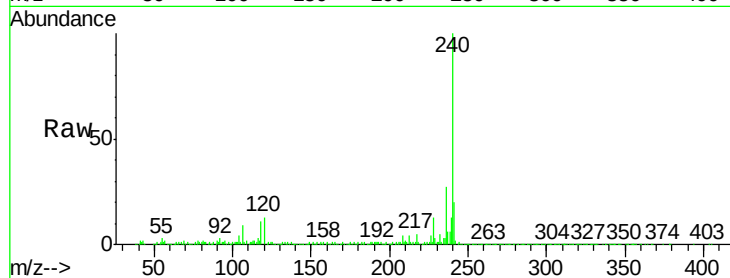
Tgt Ion:240 Resp: 524410

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

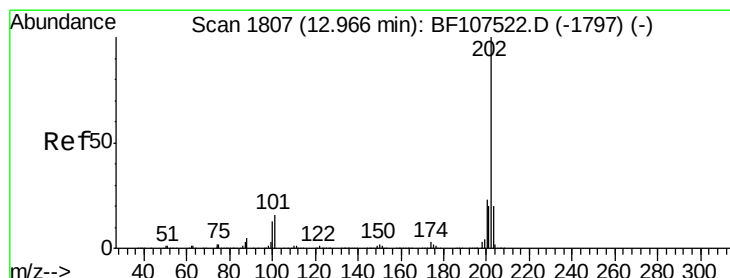
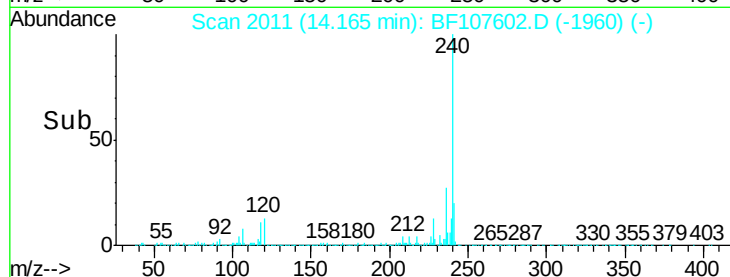
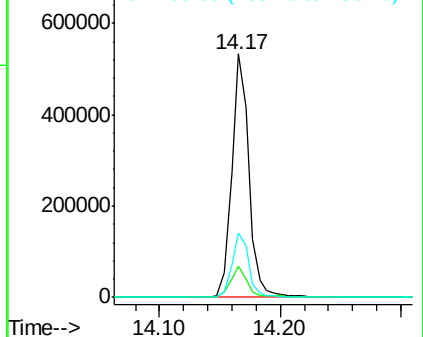
236 26.6 20.7 31.1



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: 11.610 ng

RT: 12.97 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

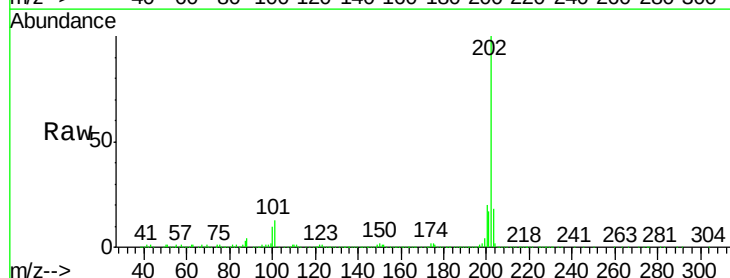
Tgt Ion:202 Resp: 416464

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

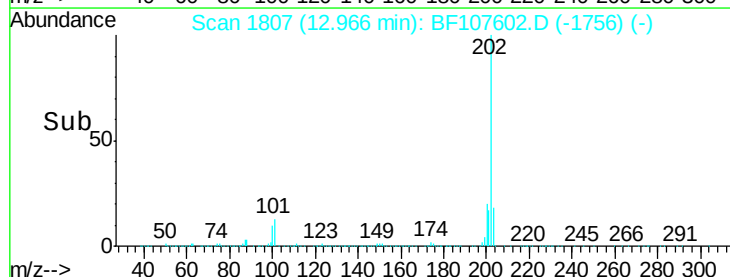
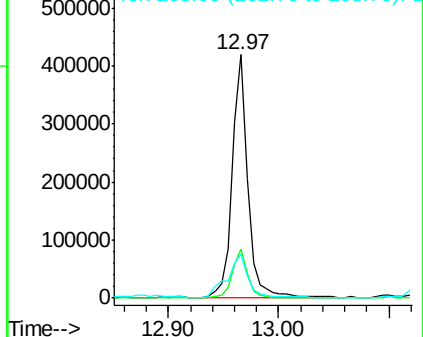
203 18.0 14.3 21.5

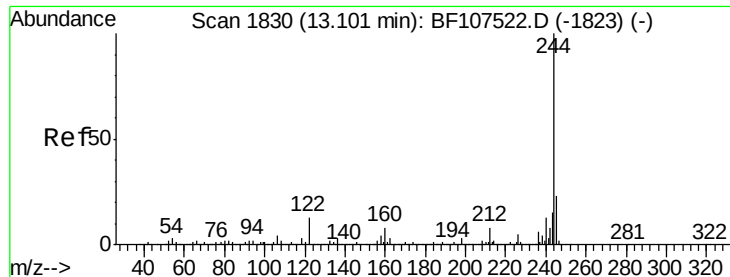


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.357 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

ClientSampleId :

TP-1

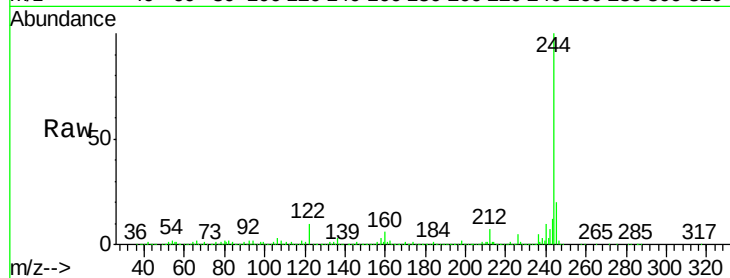
Tgt Ion:244 Resp: 1195385

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

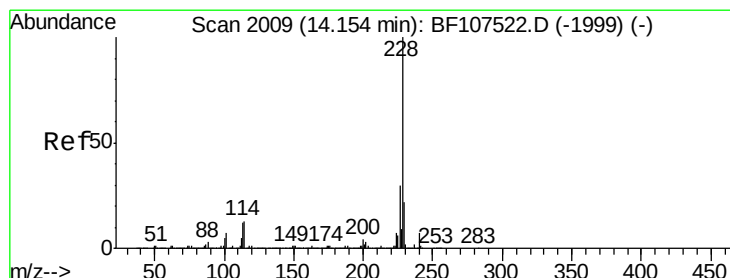
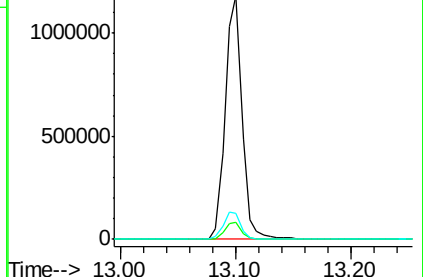
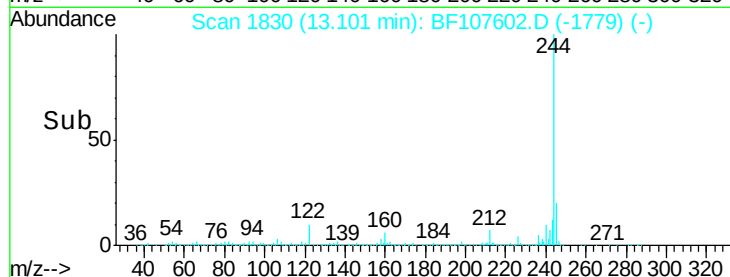
122 10.5 11.0 16.4#



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: 7.067 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

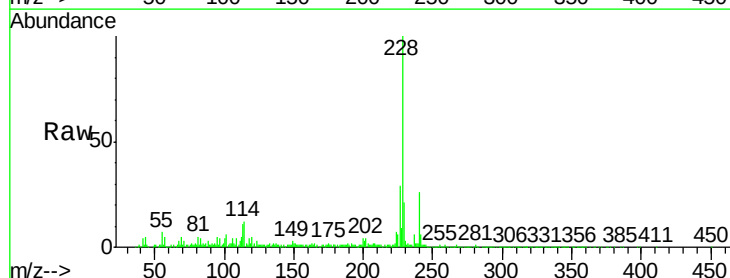
Tgt Ion:228 Resp: 217182

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

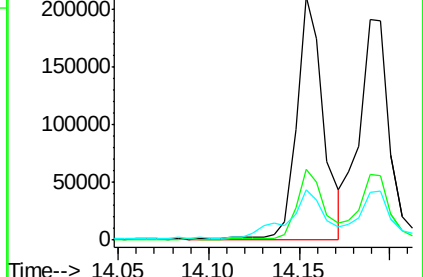
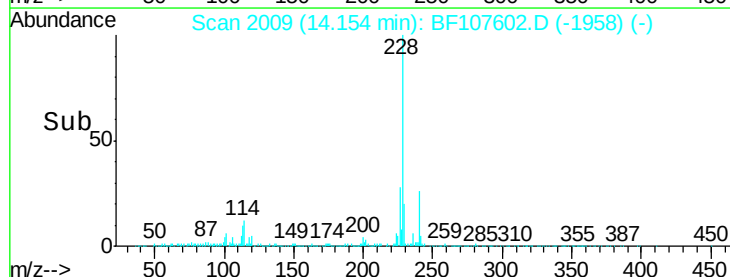
229 20.7 15.8 23.6

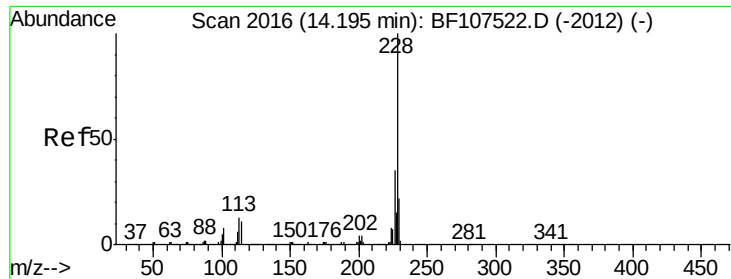


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.586 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

ClientSampleId :

TP-1

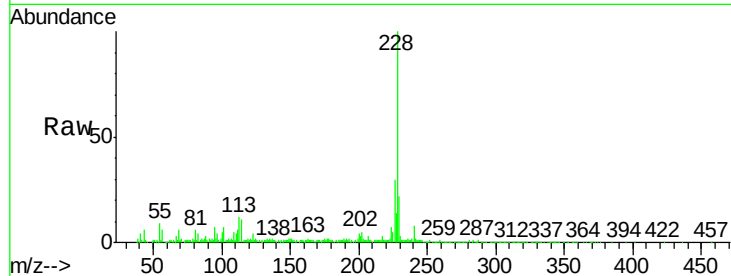
Tgt Ion:228 Resp: 223942

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

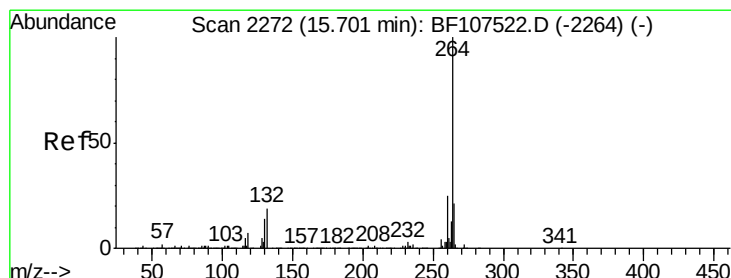
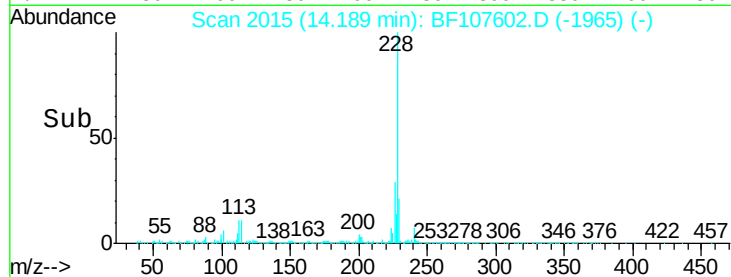
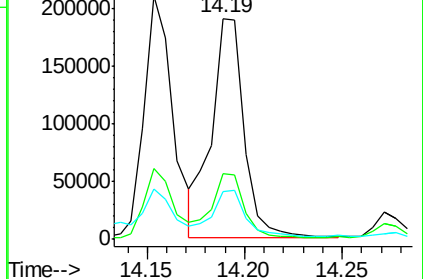
229 21.6 16.2 24.4



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: 15.71 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

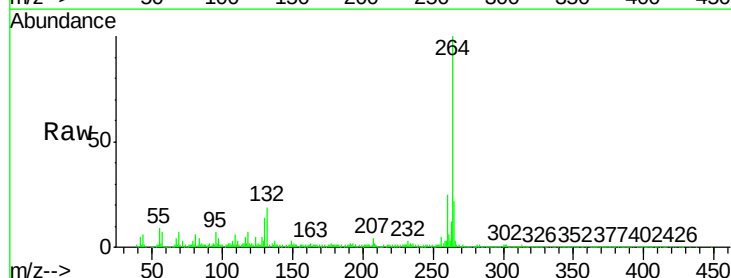
Tgt Ion:264 Resp: 404155

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

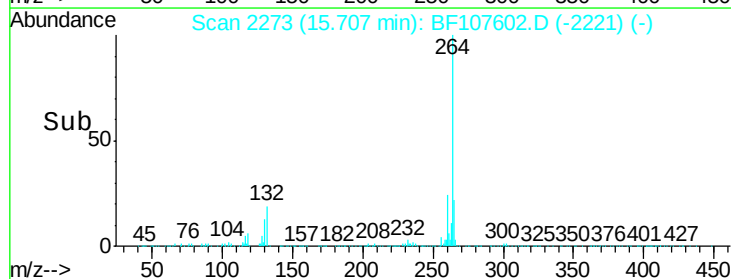
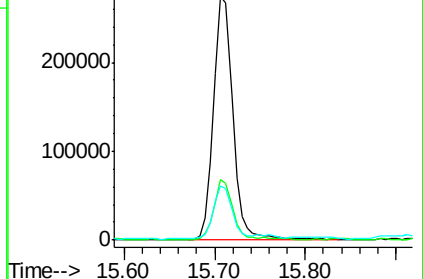
265 22.3 17.5 26.3

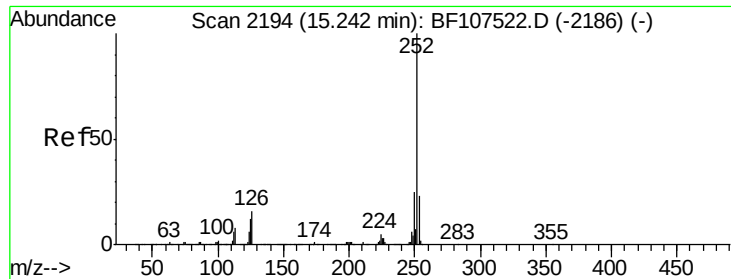


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

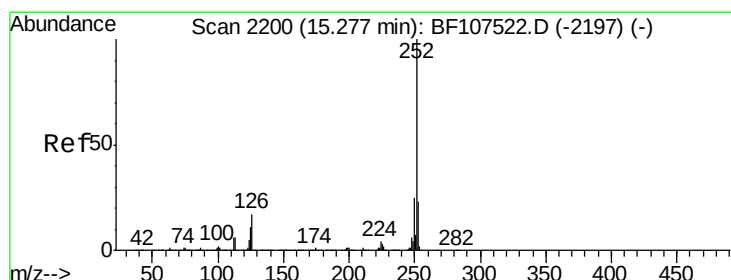
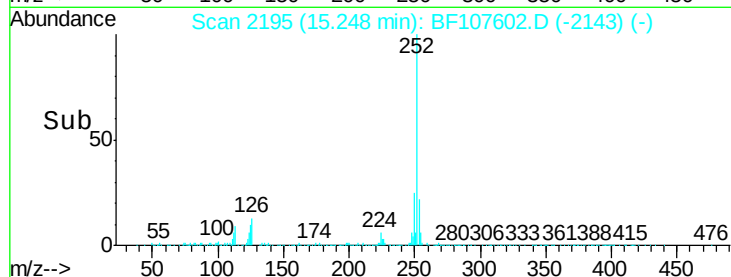
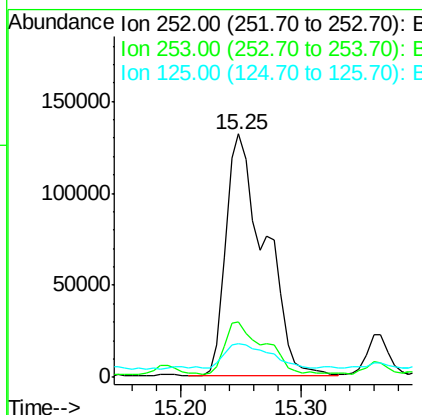
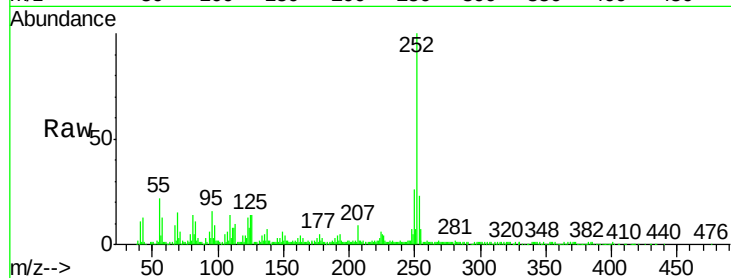




#87
Benzo(b)fluoranthene
Concen: 13.387 ng
RT: 15.25 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

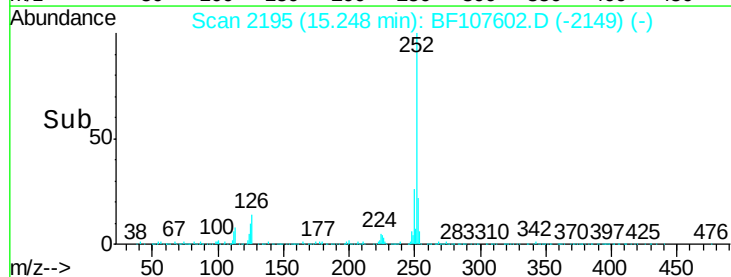
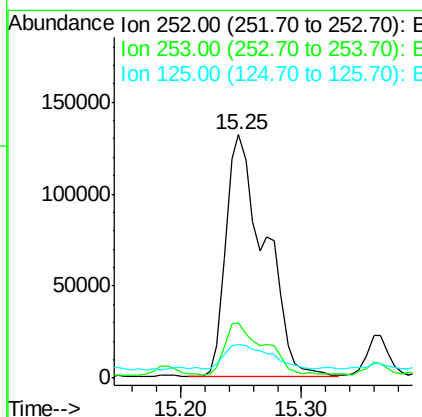
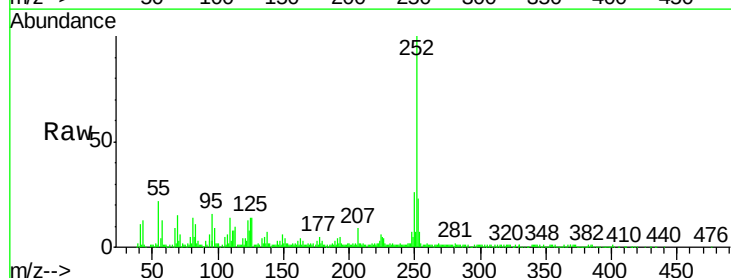
Instrument :
BNA_F
ClientSampleId :
TP-1

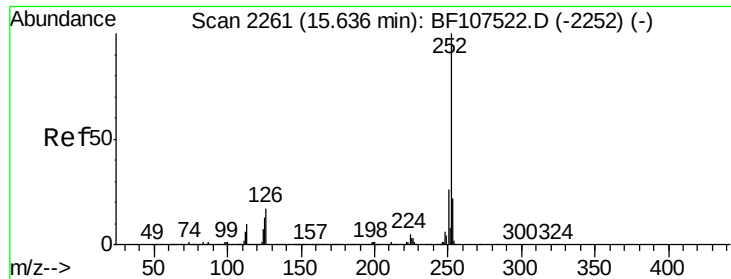
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	13.9	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 13.664 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	13.9	10.2	15.2





#89

Benzo(a)pyrene

Concen: 6.437 ng

RT: 15.64 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

ClientSampleId :

TP-1

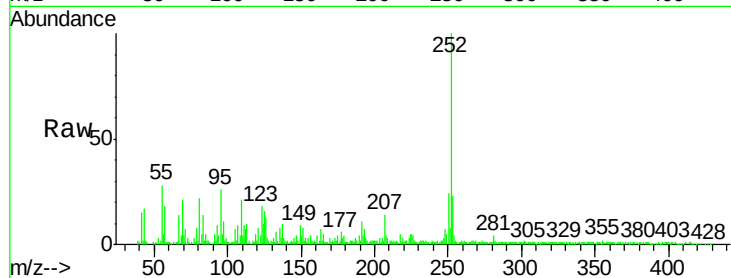
Tgt Ion:252 Resp: 130240

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

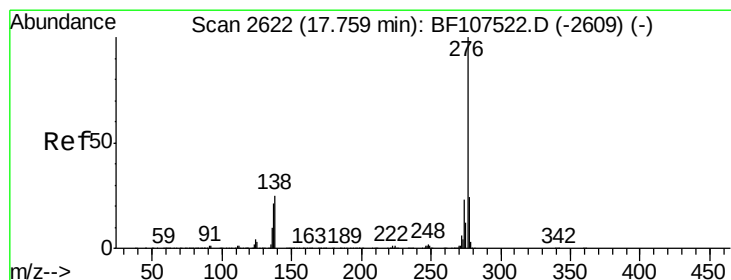
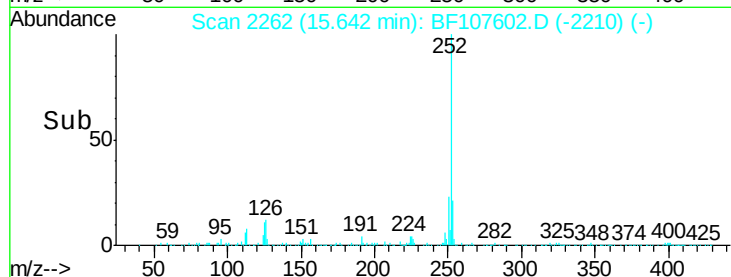
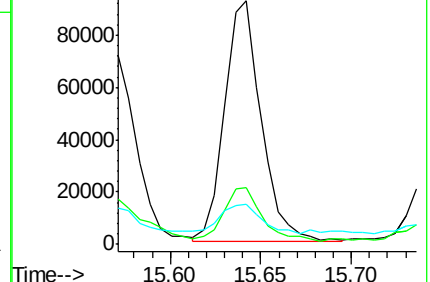
125 16.2 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 4.069 ng

RT: 17.77 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

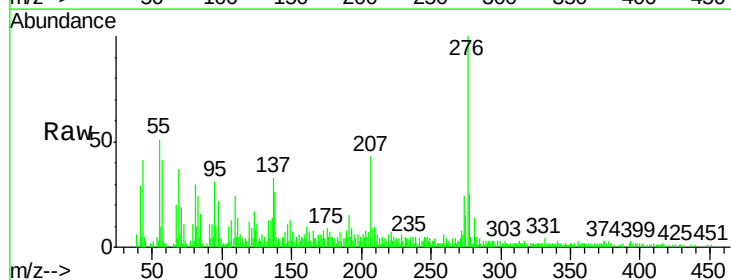
Tgt Ion:276 Resp: 70202

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 26.0 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

