

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
 Data File : BF107051.D
 Acq On : 2 Jul 2018 18:23
 Operator : JU/SJ
 Sample : J3629-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 01:24:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

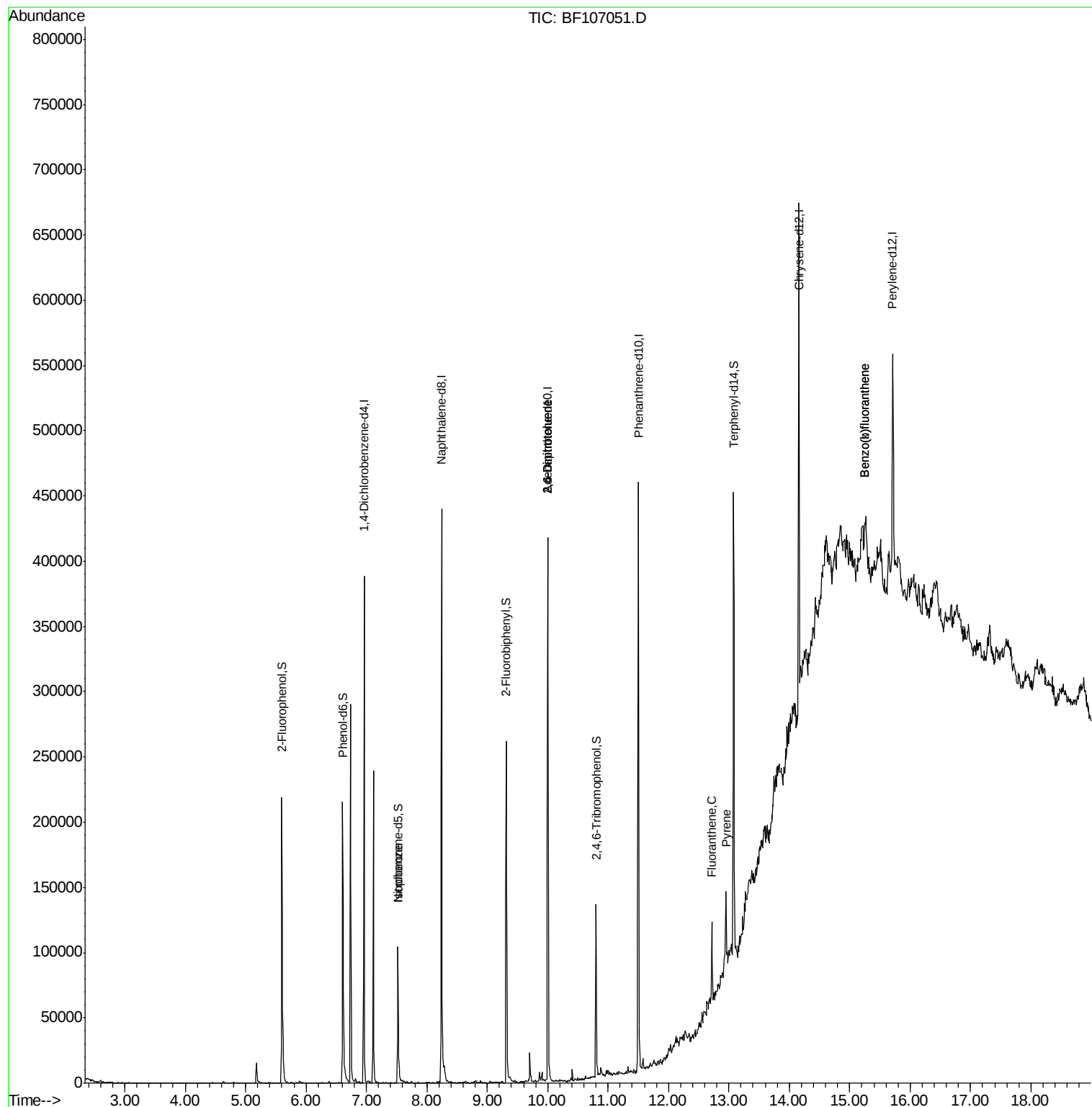
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	58786	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	213275	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	90777	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	180992	20.00	ng	0.00
75) Chrysene-d12	14.16	240	142217	20.00	ng	0.00
86) Perylene-d12	15.71	264	100498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	74521	21.47	ng	0.00
7) Phenol-d6	6.61	99	88112	20.32	ng	0.00
23) Nitrobenzene-d5	7.52	82	41908	10.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	21292	20.24	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	102630	5.31	ng	-0.01
78) Terphenyl-d14	13.08	244	124656	21.23	ng	0.00
Target Compounds						
25) Isophorone	7.52	82	41908	6.197	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	11153	7.736	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	11153	5.927	ng	# 21
74) Fluoranthene	12.72	202	23634	2.456	ng	94
77) Pyrene	12.95	202	23434	2.499	ng	99
87) Benzo(b)fluoranthene	15.25	252	17178	2.752	ng	# 58
88) Benzo(k)fluoranthene	15.25	252	17178	2.889	ng	# 61

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

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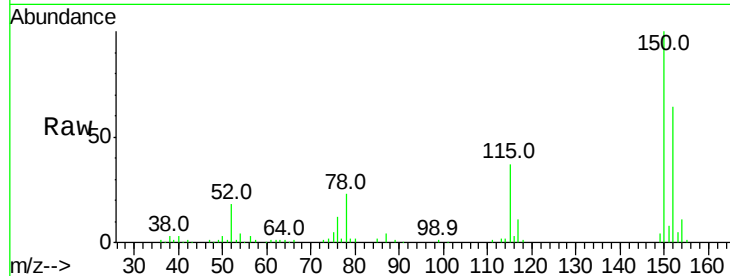


#1

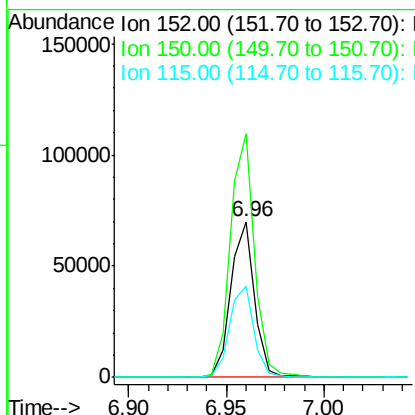
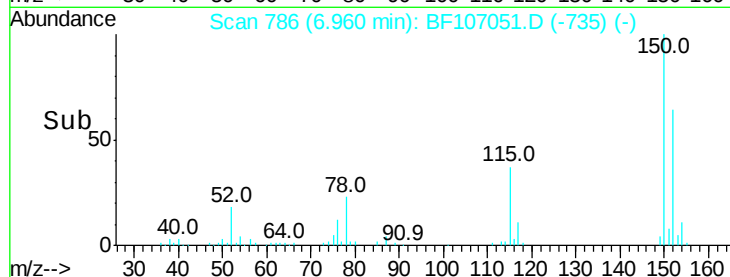
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF107051.D
Acq: 2 Jul 2018 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 58786
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 58.5 50.1 75.1



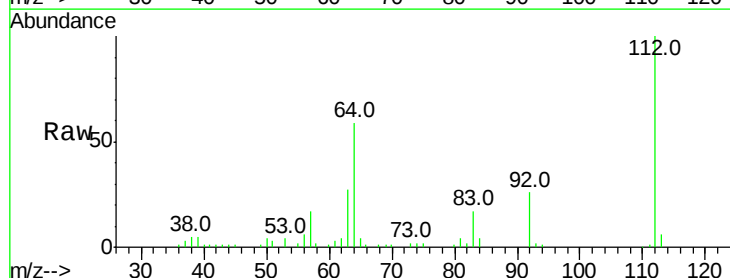
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



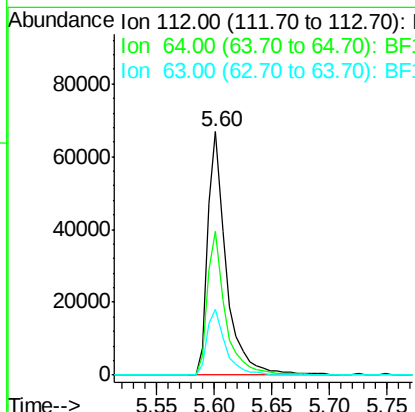
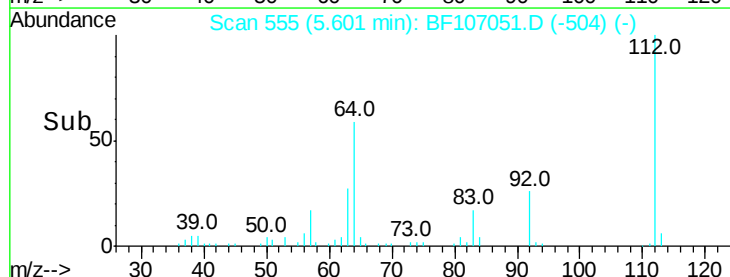
#5

2-Fluorophenol
Concen: 21.466 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF107051.D
Acq: 2 Jul 2018 18:23

Tgt Ion:112 Resp: 74521
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 27.2 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: 20.324 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107051.D

Acq: 2 Jul 2018 18:23

Instrument :

BNA_F

ClientSampleId :

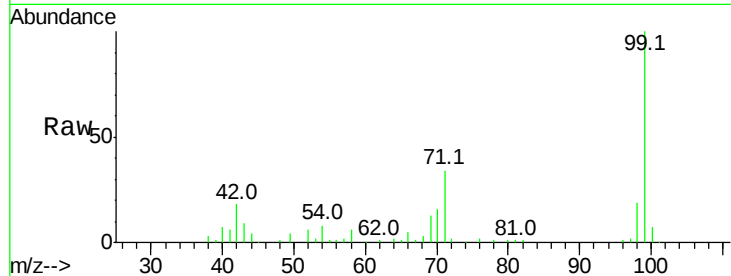
Tot Ion: 99 Resp: 88112

Ion Ratio Lower Upper

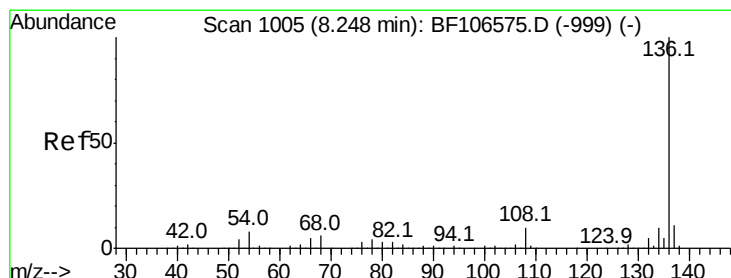
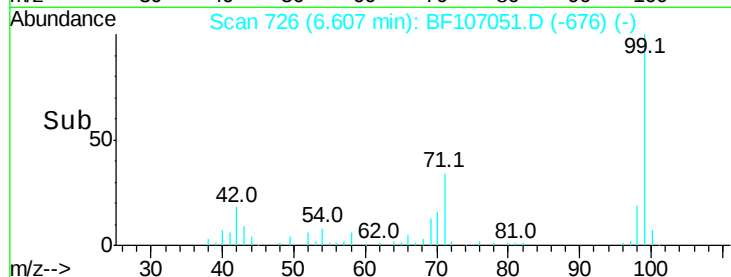
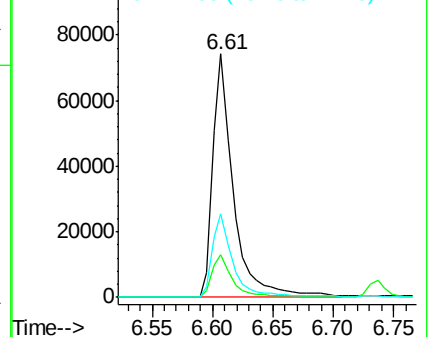
99 100

42 17.6 14.5 21.7

71 34.3 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: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107051.D

Acq: 2 Jul 2018 18:23

Tgt Ion: 136 Resp: 213275

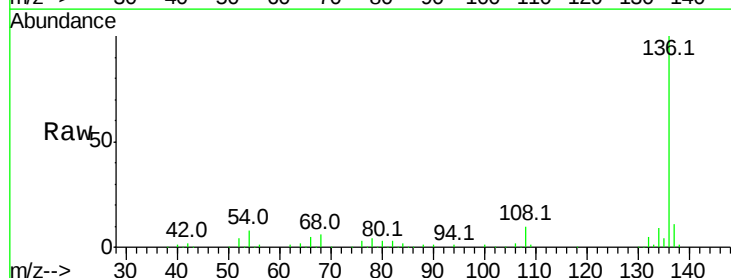
Ion Ratio Lower Upper

136 100

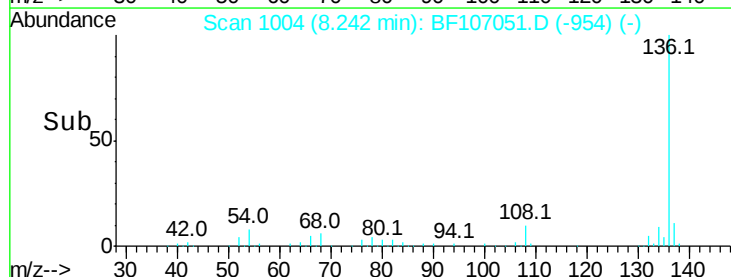
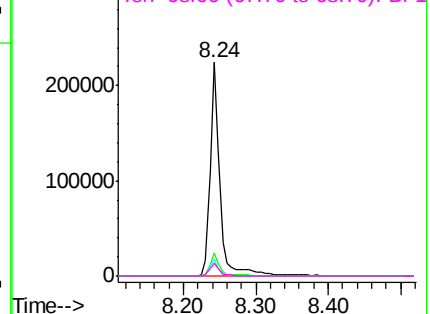
137 10.7 8.9 13.3

54 7.8 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

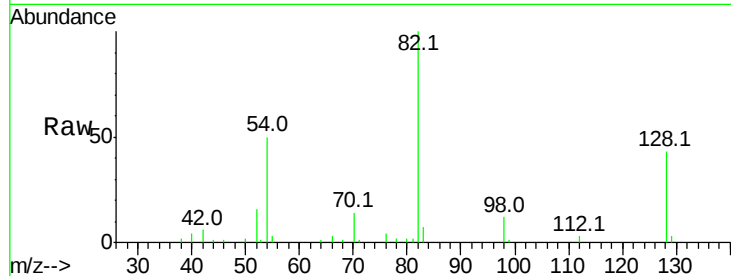




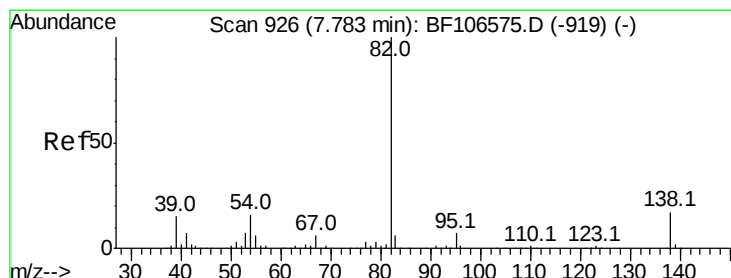
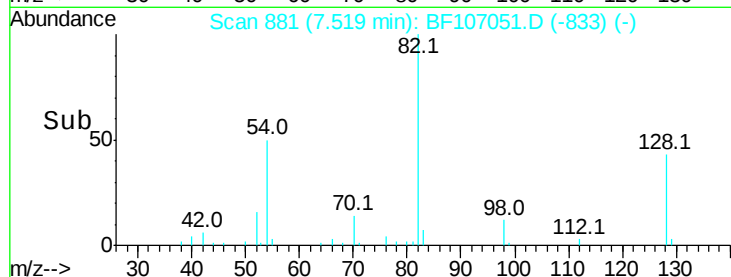
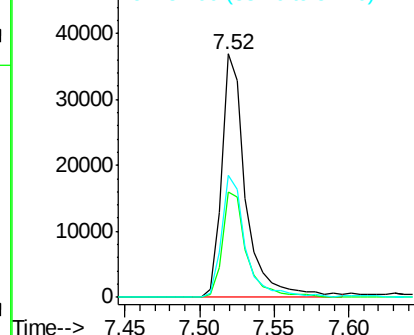
#23
 Nitrobenzene-d5
 Concen: 10.920 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107051.D
 Acq: 2 Jul 2018 18:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	41908
Ion Ratio	Lower	Upper	
82	100		
128	43.2	36.1	54.1
54	50.2	41.4	62.2

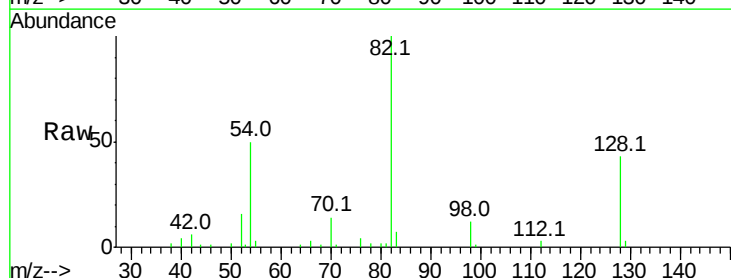


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

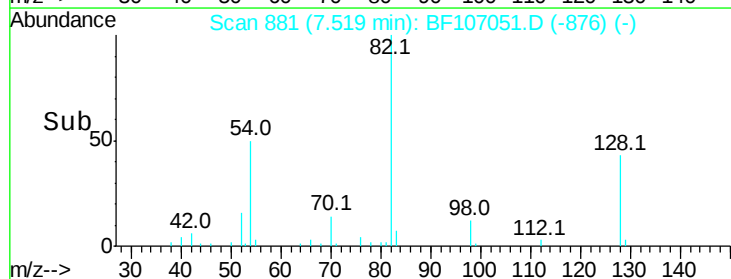
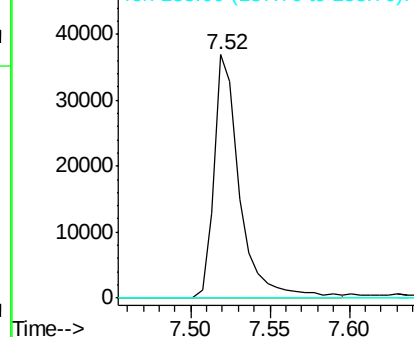


#25
 Isophorone
 Concen: 6.197 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.27 min
 Lab File: BF107051.D
 Acq: 2 Jul 2018 18:23

Tgt Ion	82	Resp	41908
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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107051.D

Acq: 2 Jul 2018 18:23

Instrument :

BNA_F

ClientSampleId :

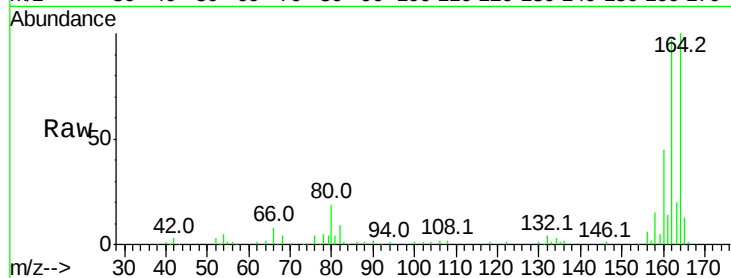
Tot Ion:164 Resp: 90777

Ion Ratio Lower Upper

164 100

162 97.4 86.1 129.1

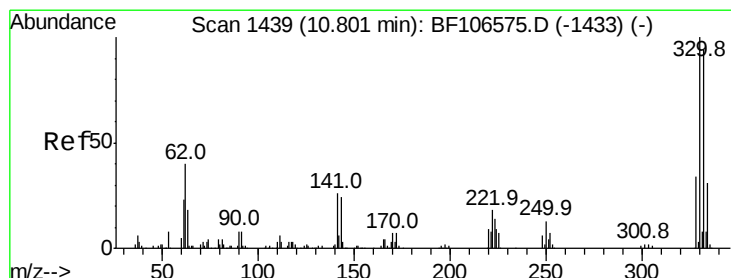
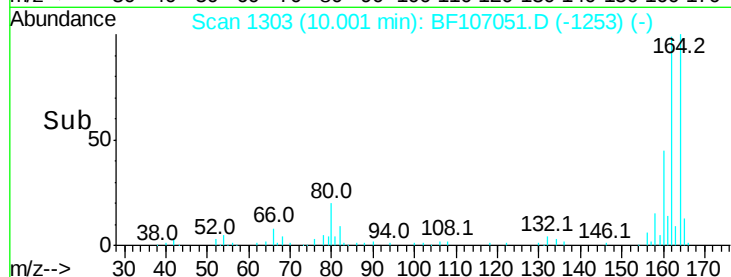
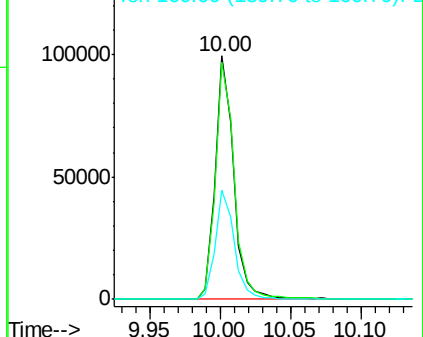
160 44.7 38.3 57.5



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: 20.237 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF107051.D

Acq: 2 Jul 2018 18:23

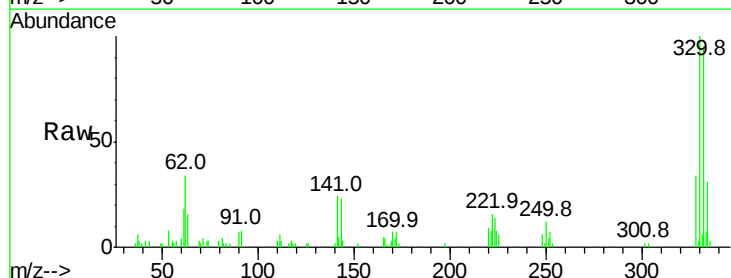
Tgt Ion:330 Resp: 21292

Ion Ratio Lower Upper

330 100

332 93.6 77.0 115.6

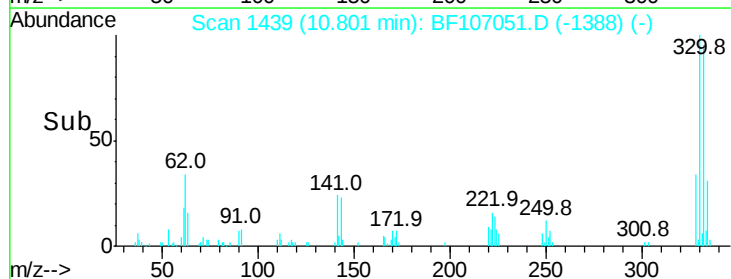
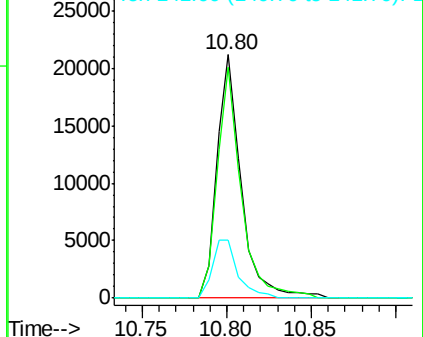
141 25.5 29.9 44.9#



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

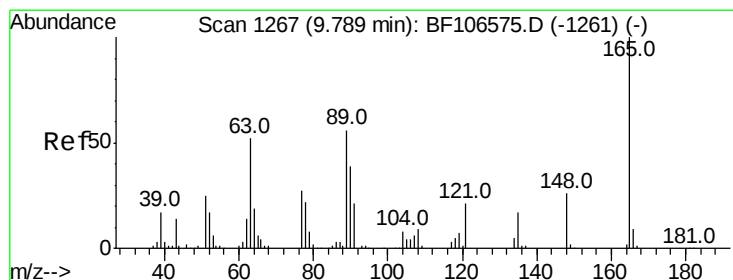
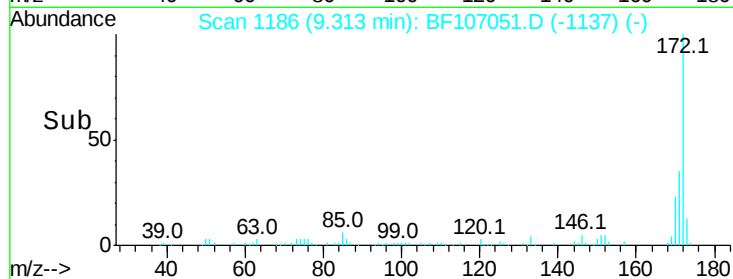
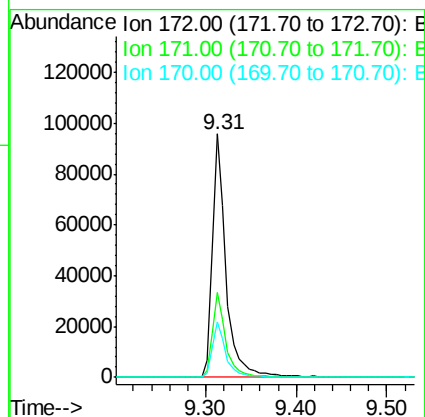
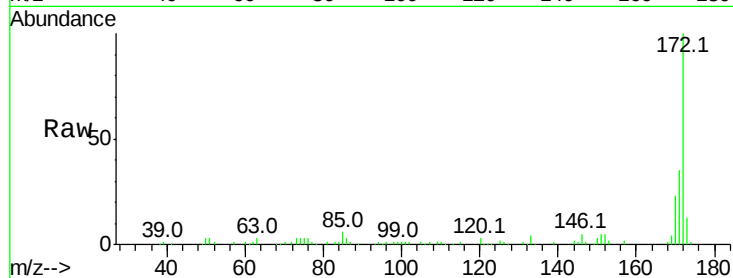




#44
 2-Fluorobiphenyl
 Concen: 5.306 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107051.D
 Acq: 2 Jul 2018 18:23

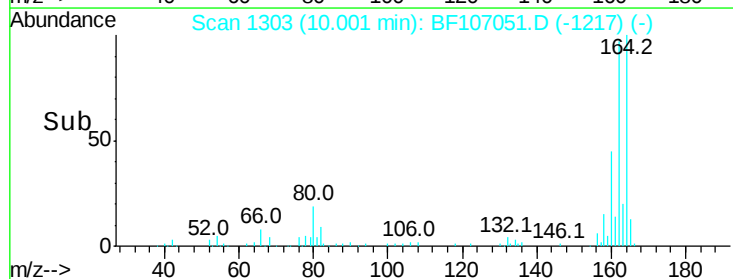
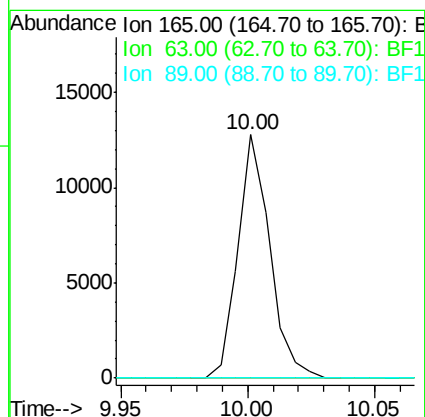
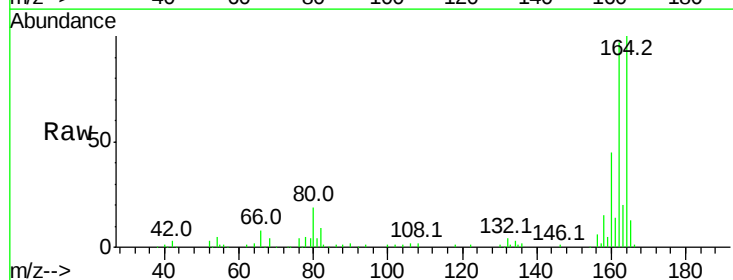
Instrument :
 BNA_F
 ClientSampleId :

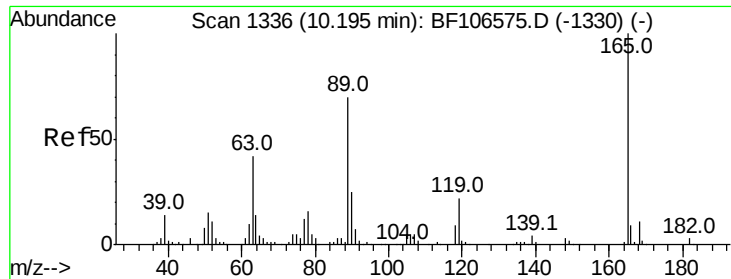
Tot Ion:172 Resp: 102630
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 22.7 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.736 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF107051.D
 Acq: 2 Jul 2018 18:23

Tgt Ion:165 Resp: 11153
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

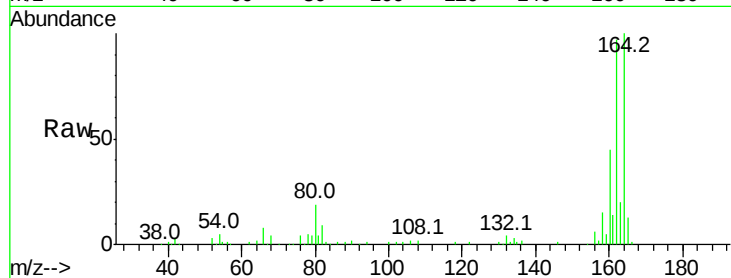




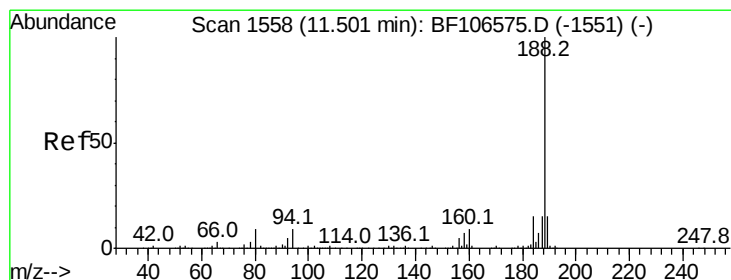
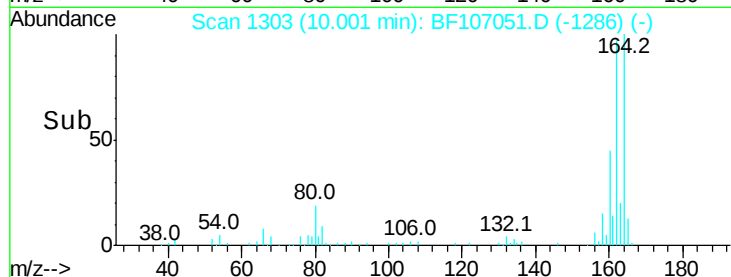
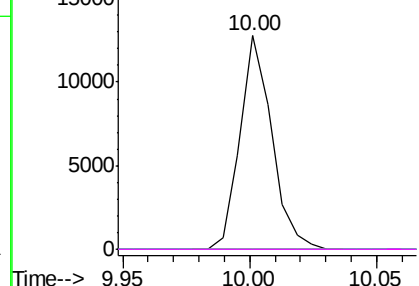
#56
2,4-Dinitrotoluene
Concen: 5.927 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF107051.D
Acq: 2 Jul 2018 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 11153
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#

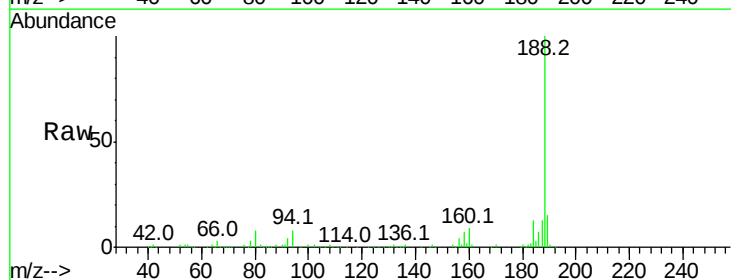


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

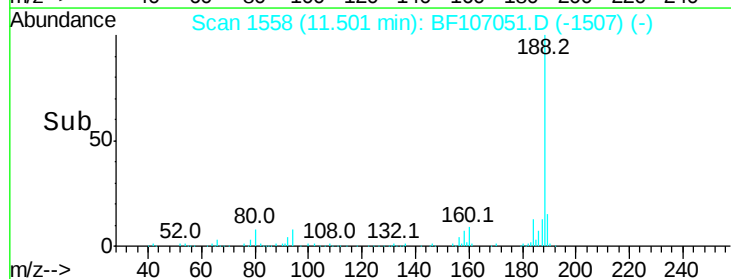
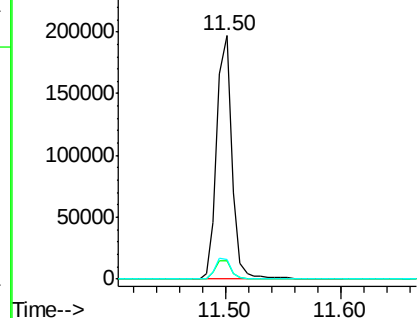


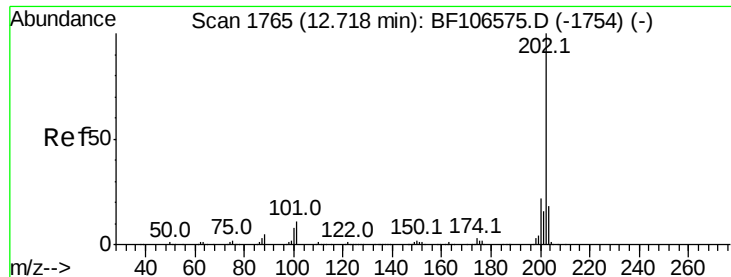
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107051.D
Acq: 2 Jul 2018 18:23

Tgt Ion:188 Resp: 180992
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.2 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#74

Fluoranthene

Concen: 2.456 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107051.D

Acq: 2 Jul 2018 18:23

Instrument :

BNA_F

ClientSampleId :

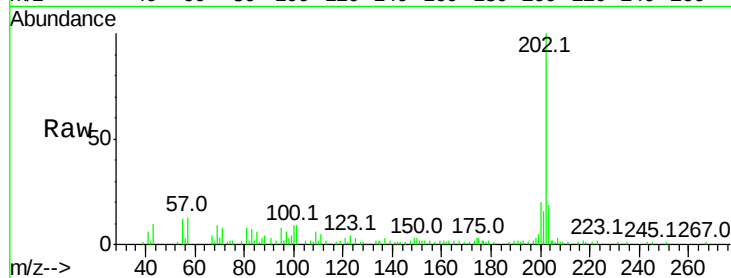
Tot Ion:202 Resp: 23634

Ion Ratio Lower Upper

202 100

101 9.2 0.0 34.1

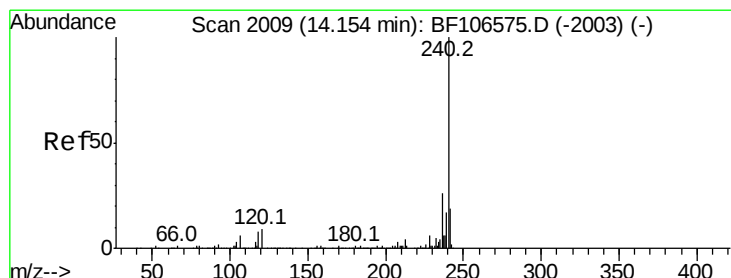
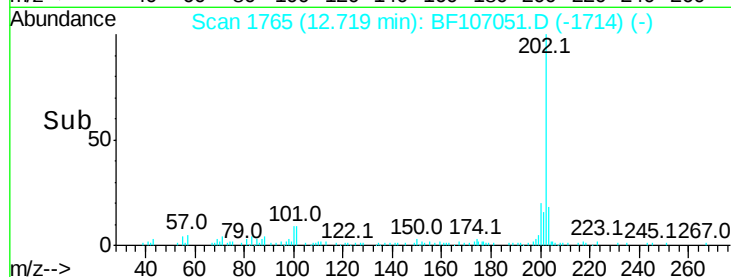
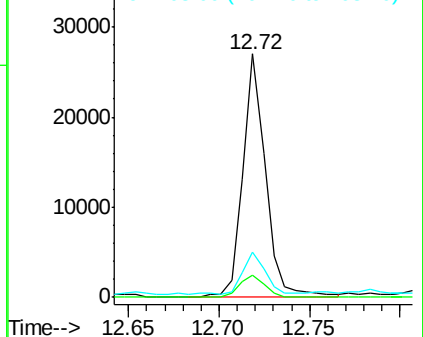
203 18.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107051.D

Acq: 2 Jul 2018 18:23

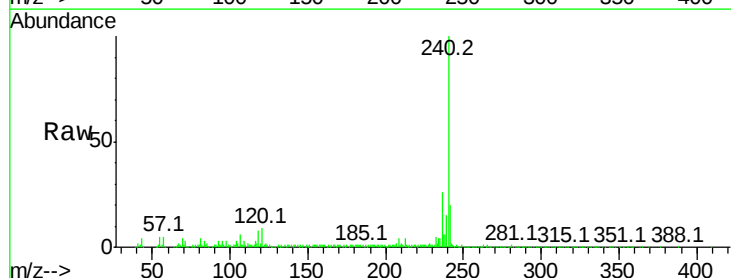
Tgt Ion:240 Resp: 142217

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

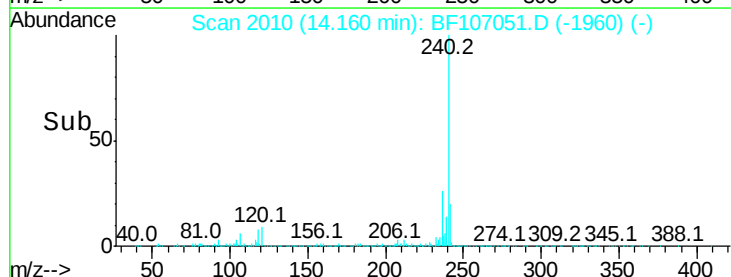
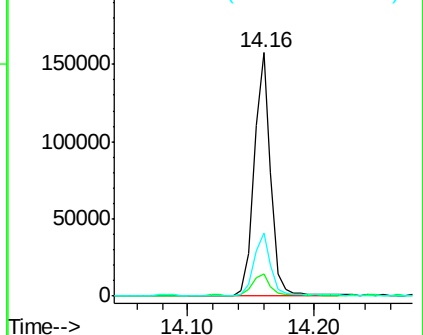
236 25.9 20.7 31.1

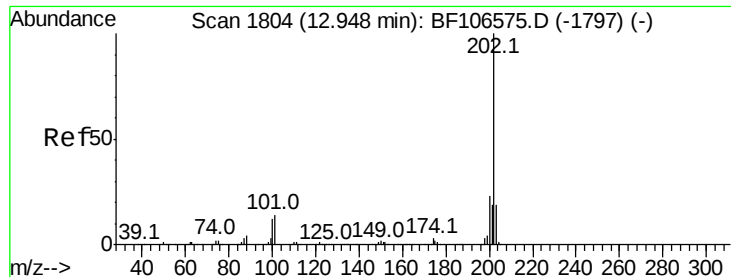


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.499 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF107051.D

Acq: 2 Jul 2018 18:23

Instrument :

BNA_F

ClientSampleId :

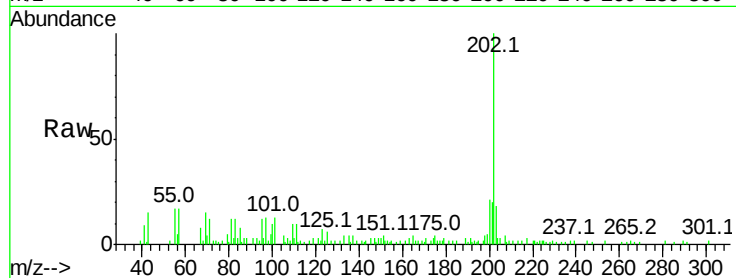
Tot Ion:202 Resp: 23434

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

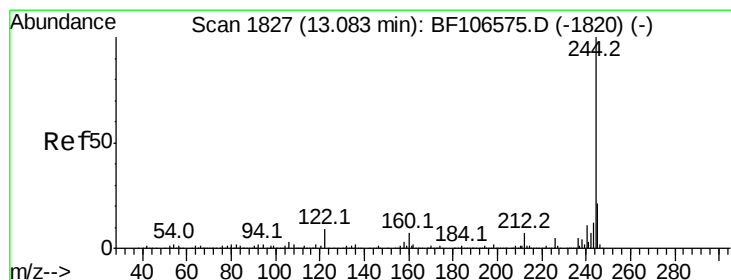
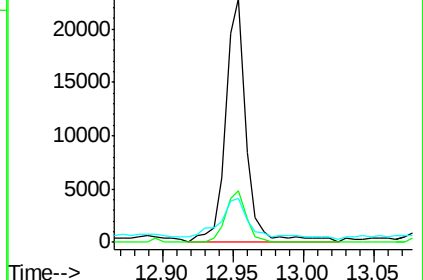
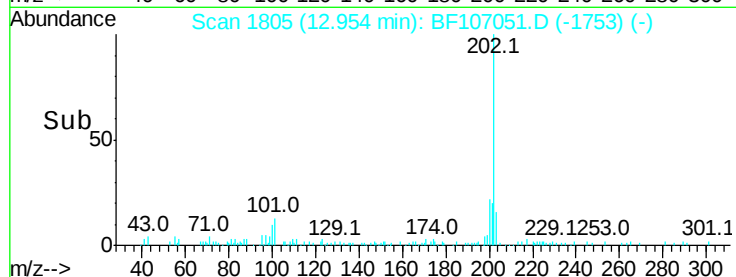
203 17.9 14.3 21.5



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: 21.232 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107051.D

Acq: 2 Jul 2018 18:23

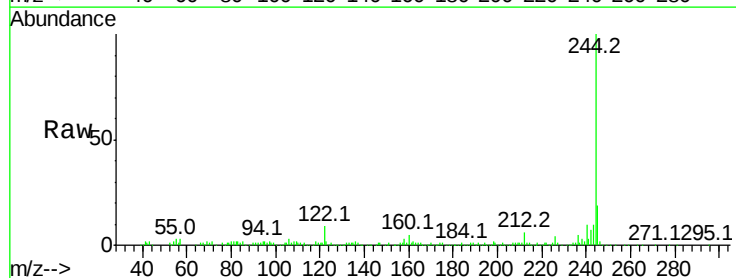
Tgt Ion:244 Resp: 124656

Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.0

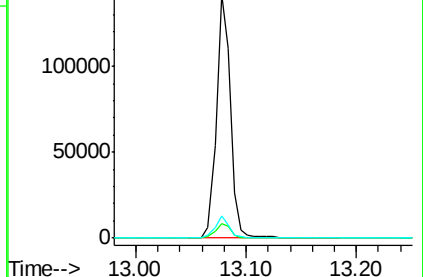
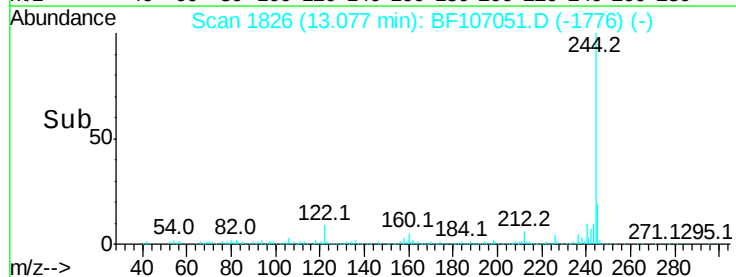
122 9.1 11.0 16.4#

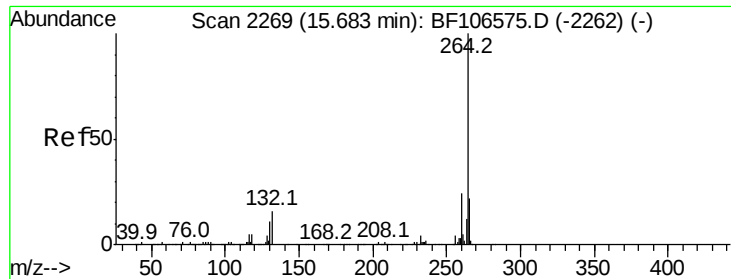


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



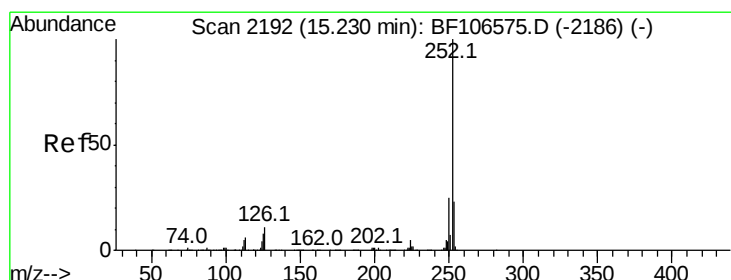
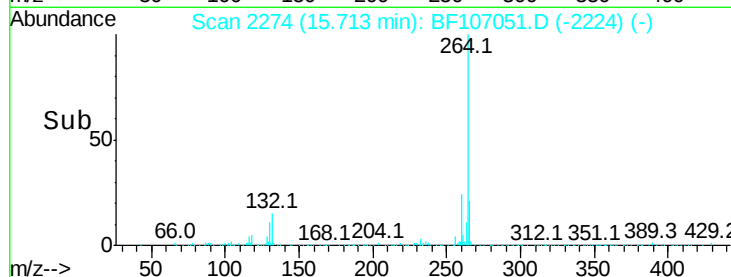
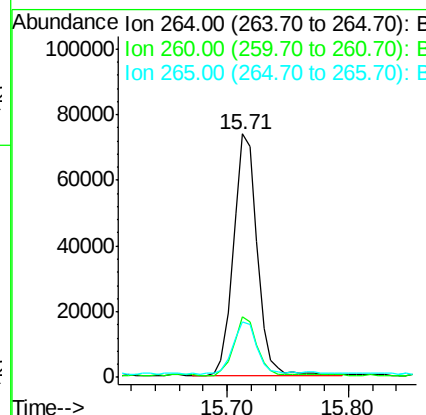
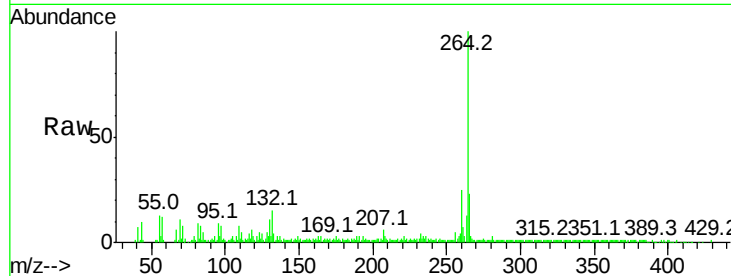


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF107051.D
Acq: 2 Jul 2018 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 100498

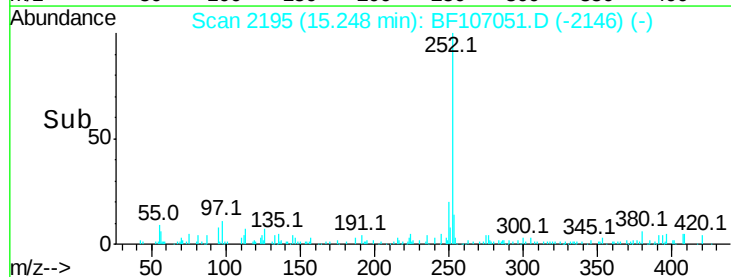
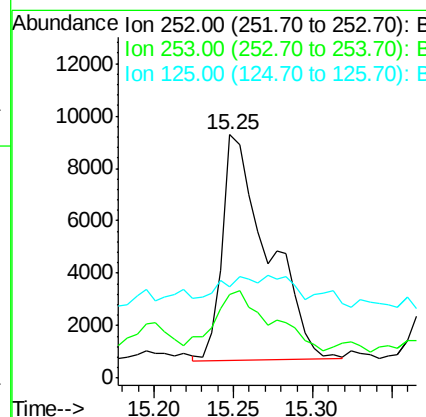
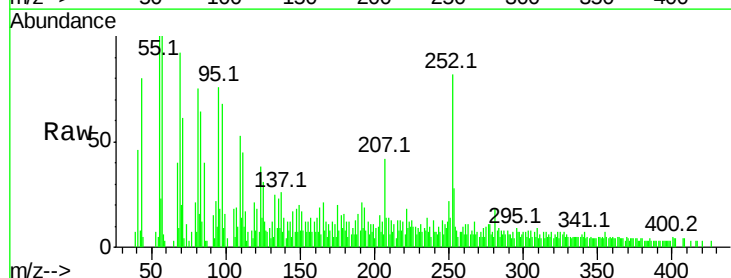
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.6	17.5	26.3

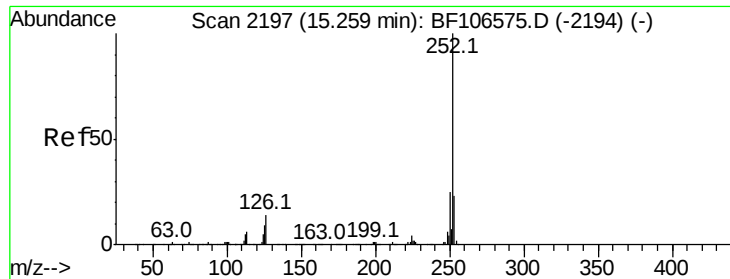


#87
Benzo(b)fluoranthene
Concen: 2.752 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107051.D
Acq: 2 Jul 2018 18:23

Tgt Ion:252 Resp: 17178

Ion	Ratio	Lower	Upper
252	100		
253	34.3	17.0	25.6#
125	37.6	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.889 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.05 min

Lab File: BF107051.D

Acq: 2 Jul 2018 18:23

Instrument :

BNA_F

ClientSampleId :

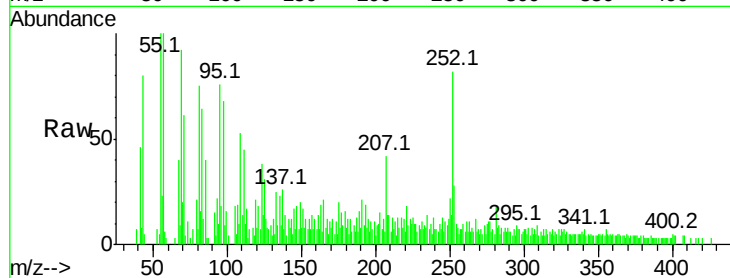
Tot Ion:252 Resp: 17178

Ion Ratio Lower Upper

252 100

253 34.3 17.9 26.9#

125 37.6 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

