

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107014.D
 Acq On : 30 Jun 2018 15:02
 Operator : JU/SJ
 Sample : J3600-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 02 04:05:26 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

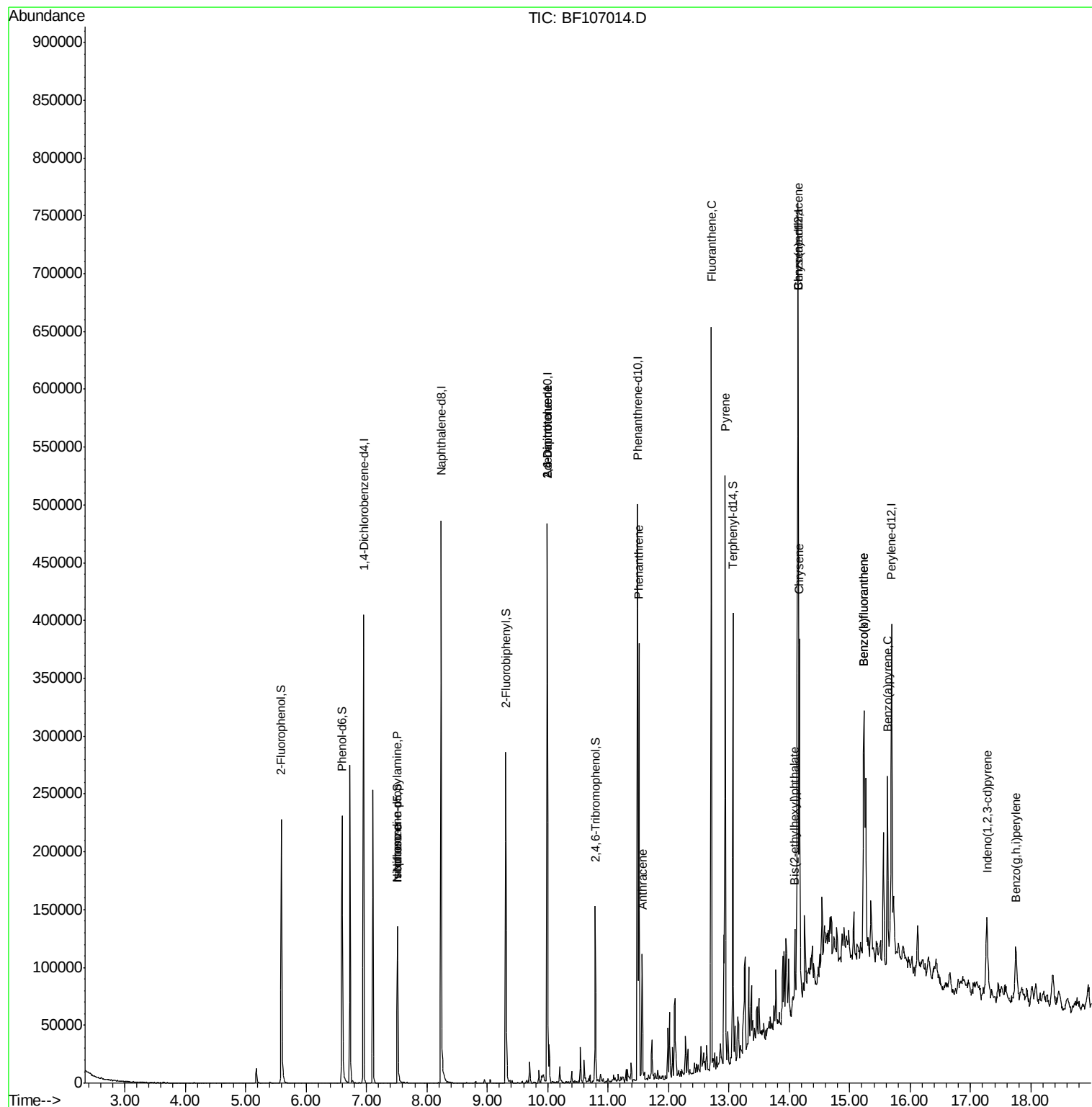
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	63509	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	230639	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	99072	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	186471	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	213905	20.00	ng	-0.02
86) Perylene-d12	15.69	264	153864	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	76000	20.26	ng	-0.01
7) Phenol-d6	6.60	99	91615	19.56	ng	-0.02
23) Nitrobenzene-d5	7.51	82	51326	12.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	21469	18.70	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	103837	3.62	ng	-0.02
78) Terphenyl-d14	13.07	244	126279	14.30	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	6349	2.056	ng	Qvalue # 80
25) Isophorone	7.51	82	51325	7.018	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	12441	7.907	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	12441	6.058	ng	# 23
70) Phenanthrene	11.51	178	141366	15.718	ng	99
71) Anthracene	11.57	178	45122	4.915	ng	98
74) Fluoranthene	12.71	202	242323	24.445	ng	94
77) Pyrene	12.94	202	218154	15.466	ng	98
80) Benzo(a)anthracene	14.14	228	133417	10.234	ng	99
82) Chrysene	14.17	228	114855	9.576	ng	96
83) Bis(2-ethylhexyl)phthalate	14.09	149	16584	2.237	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.27	276	42321	4.158	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	173512	18.154	ng	97
88) Benzo(k)fluoranthene	15.24	252	173512	19.063	ng	# 96
89) Benzo(a)pyrene	15.62	252	81896	9.638	ng	96
91) Benzo(g,h,i)perylene	17.75	276	38580	5.481	ng	# 85

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

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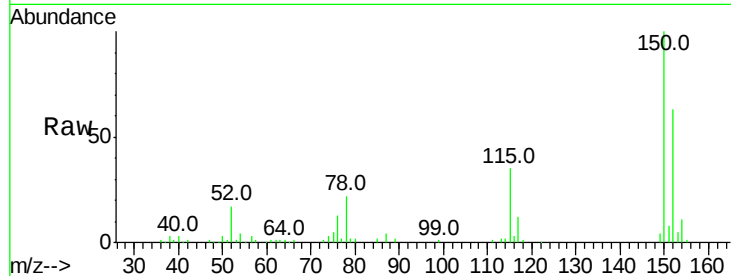


#1

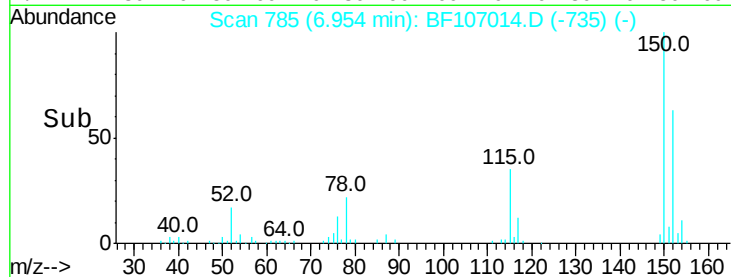
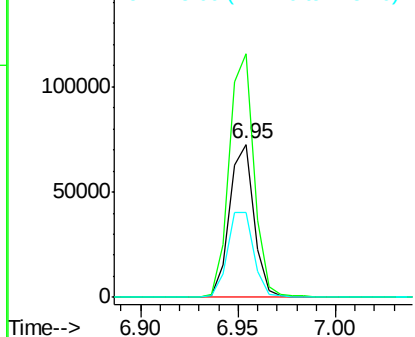
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 63509
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 55.7 50.1 75.1



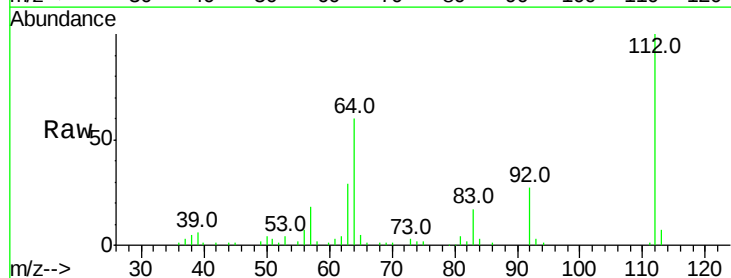
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



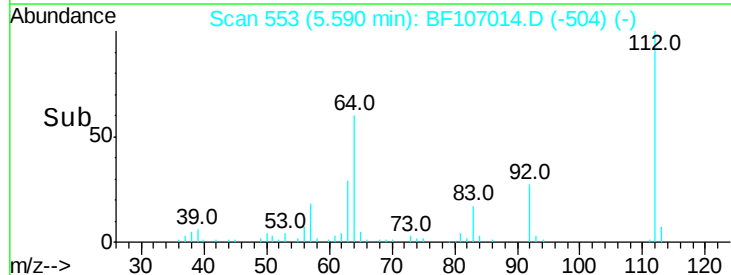
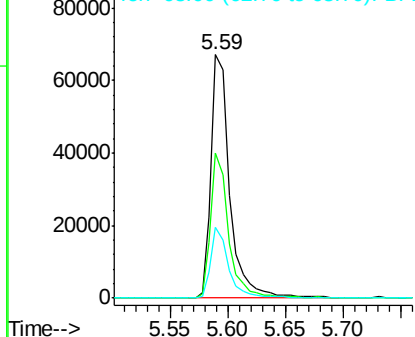
#5

2-Fluorophenol
Concen: 20.264 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Tgt Ion:112 Resp: 76000
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
63 28.9 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: 19.560 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

ClientSampleId :

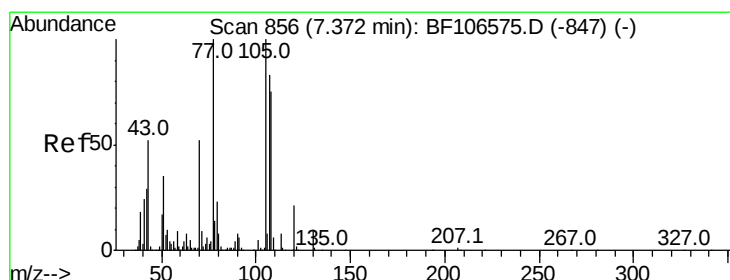
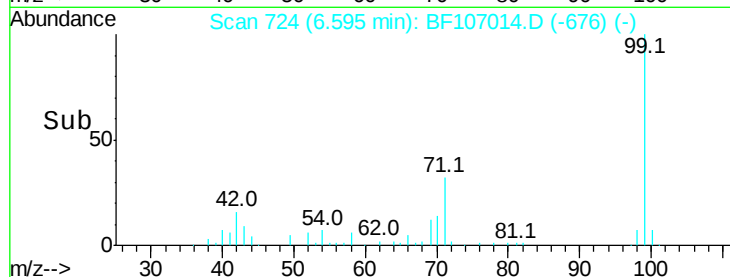
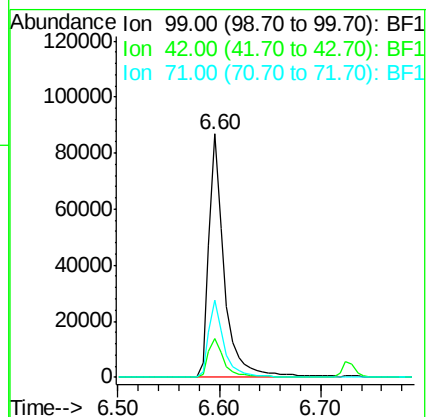
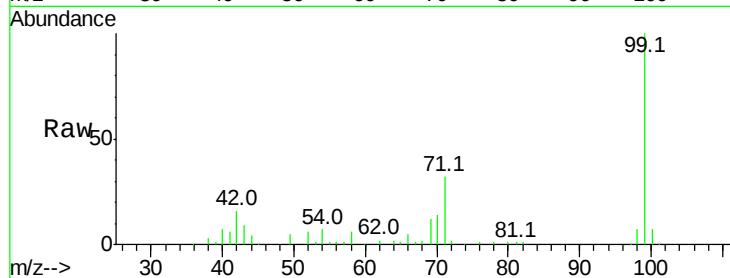
Tot Ion: 99 Resp: 91615

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

71 31.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.056 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Tgt Ion: 70 Resp: 6349

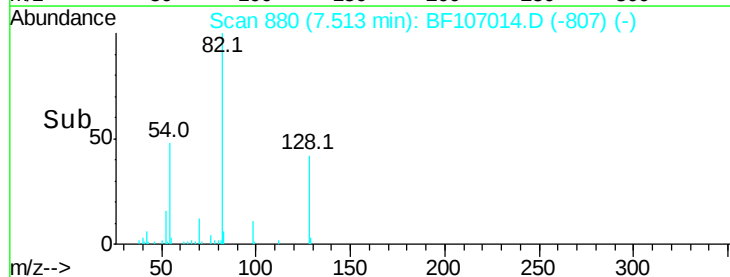
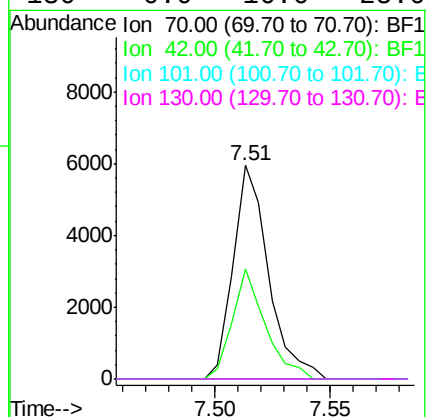
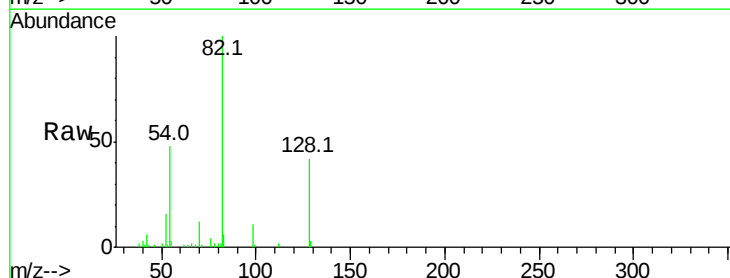
Ion Ratio Lower Upper

70 100

42 51.8 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

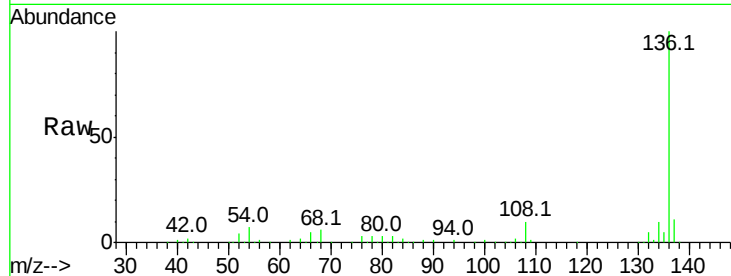




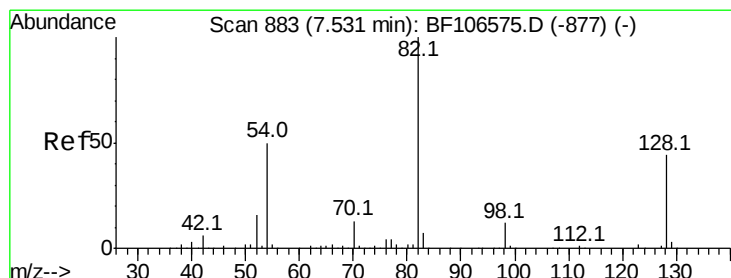
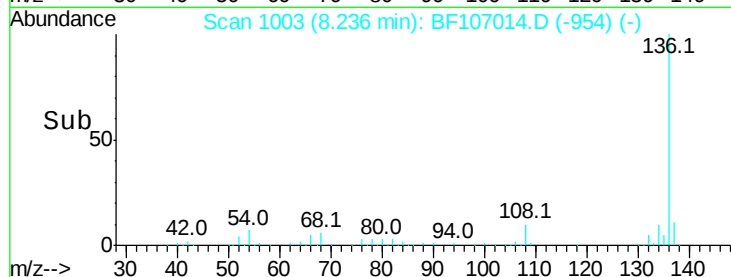
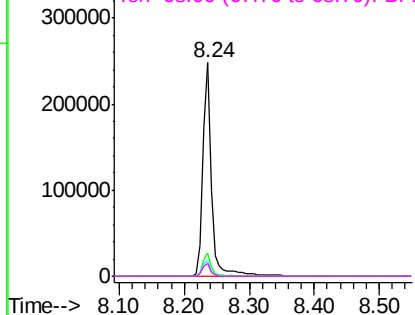
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	230639
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.2	6.6	9.8
68	5.7	5.0	7.4

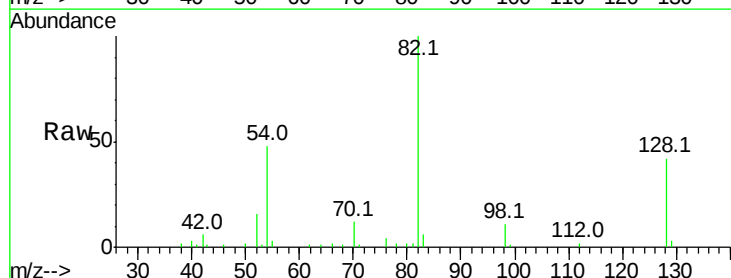


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

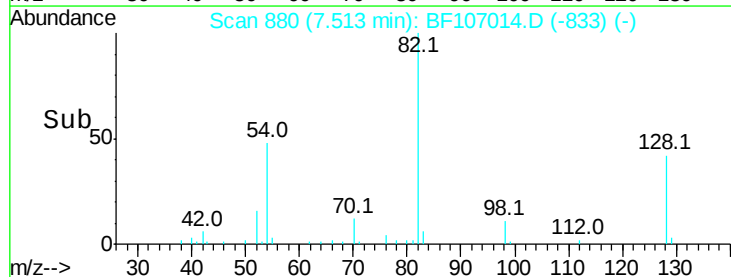
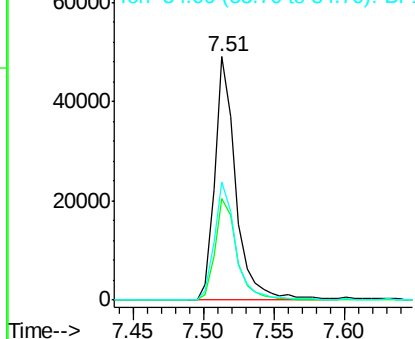


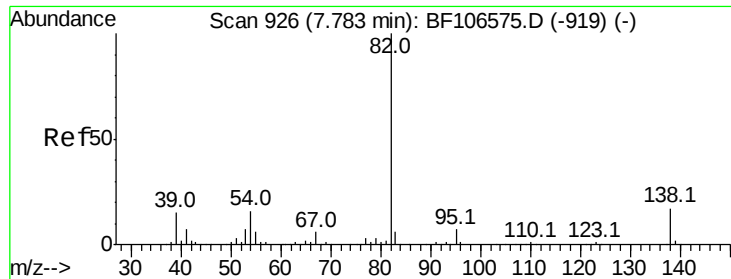
#23
Nitrobenzene-d5
Concen: 12.367 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Tgt Ion:	82	Resp:	51326
Ion	Ratio	Lower	Upper
82	100		
128	41.6	36.1	54.1
54	48.5	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: 7.018 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

ClientSampleId :

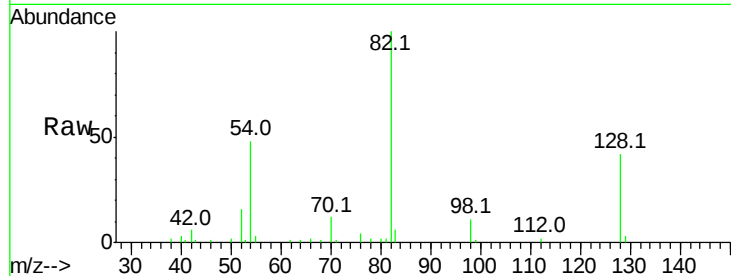
Tot Ion: 82 Resp: 51325

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

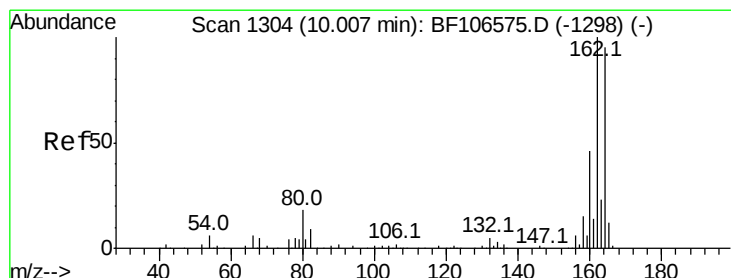
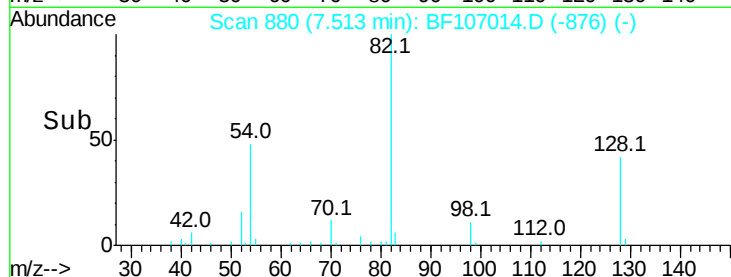
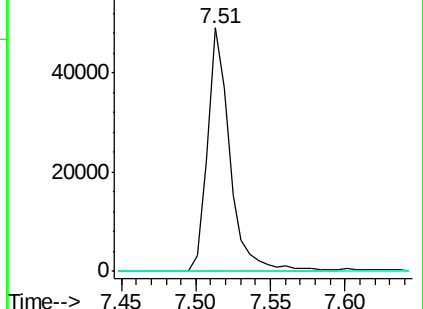
138 0.0 14.9 22.3#



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# 1302

Delta R.T. -0.01 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

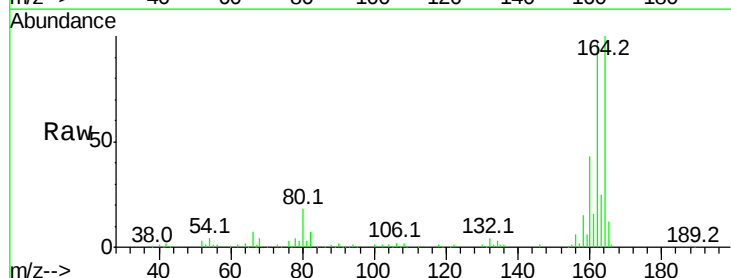
Tgt Ion:164 Resp: 99072

Ion Ratio Lower Upper

164 100

162 96.6 86.1 129.1

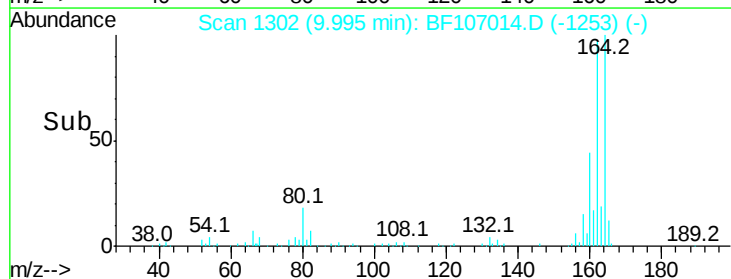
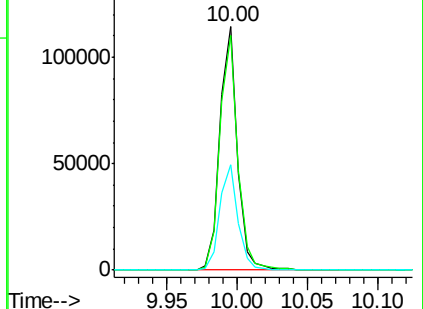
160 43.2 38.3 57.5



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

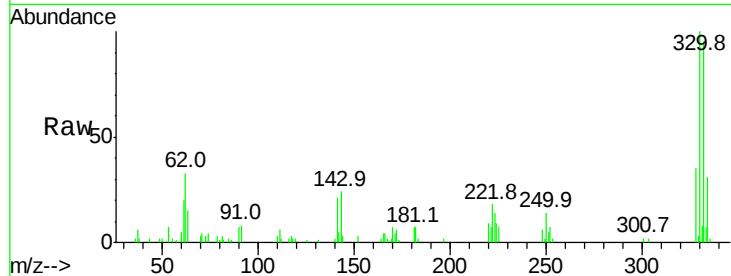




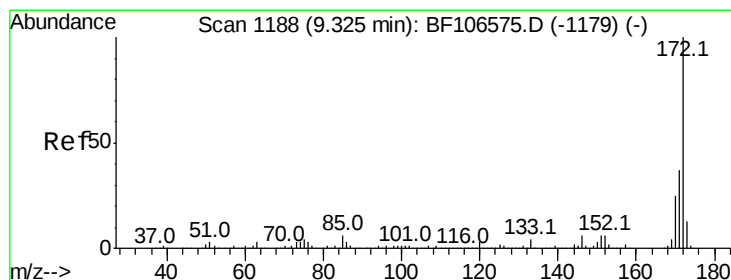
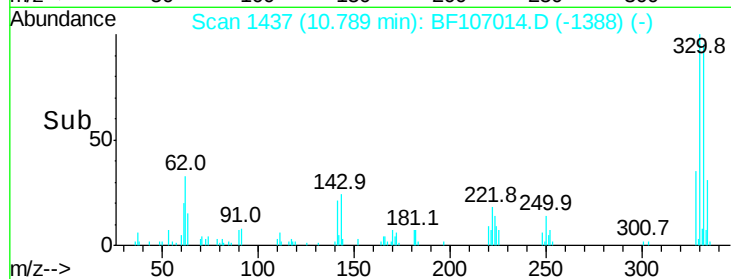
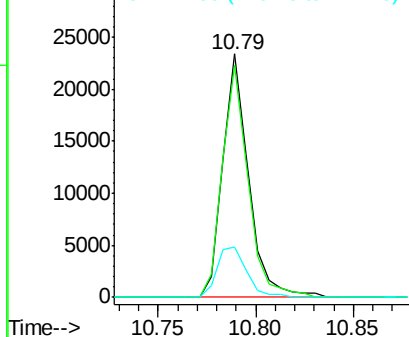
#41
 2,4,6-Tribromophenol
 Concen: 18.697 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 21469
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 23.9 29.9 44.9#

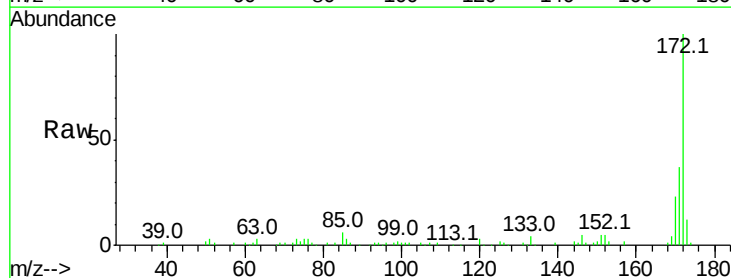


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

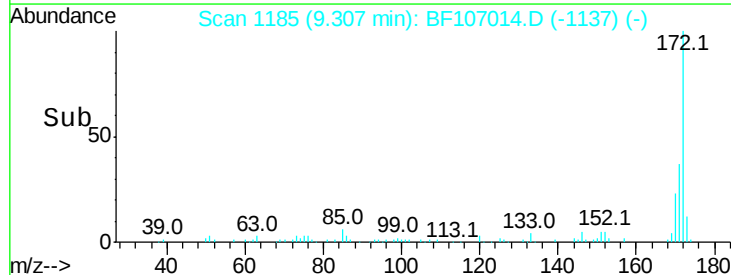
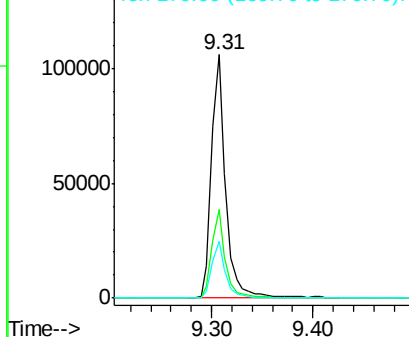


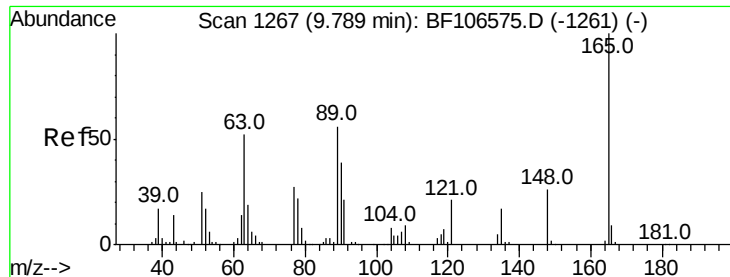
#44
 2-Fluorobiphenyl
 Concen: 3.617 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Tgt Ion:172 Resp: 103837
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 23.1 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

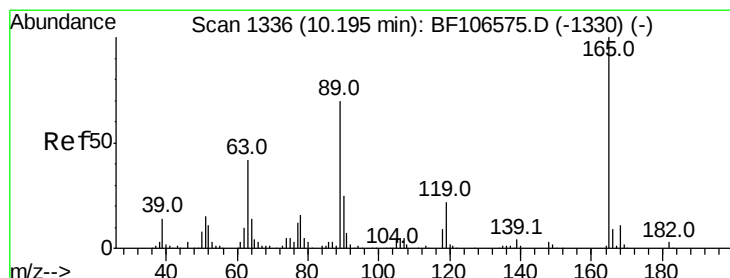
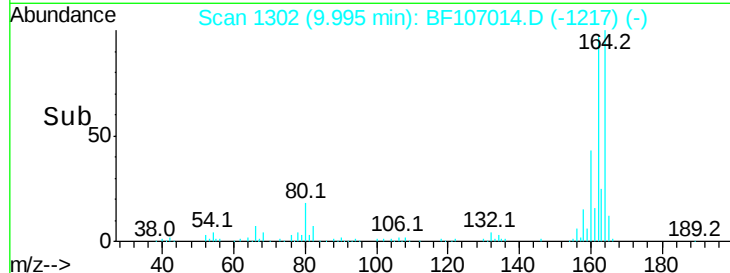
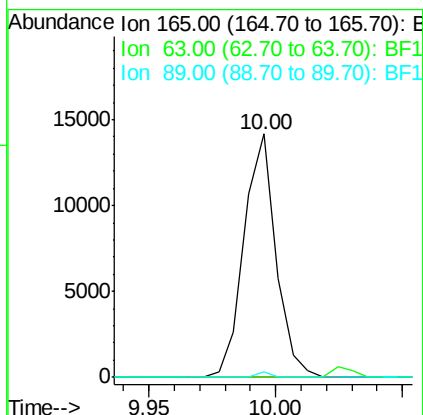
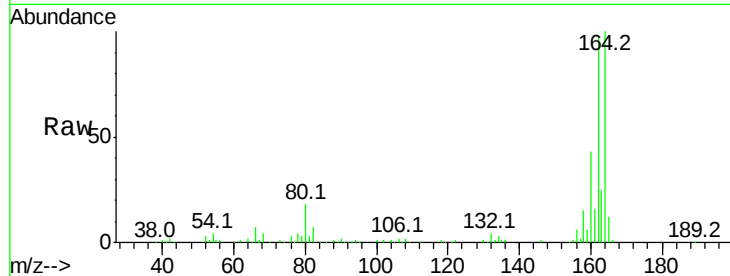




#50
 2,6-Dinitrotoluene
 Concen: 7.907 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

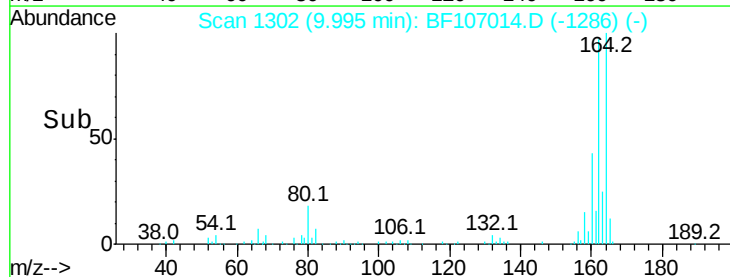
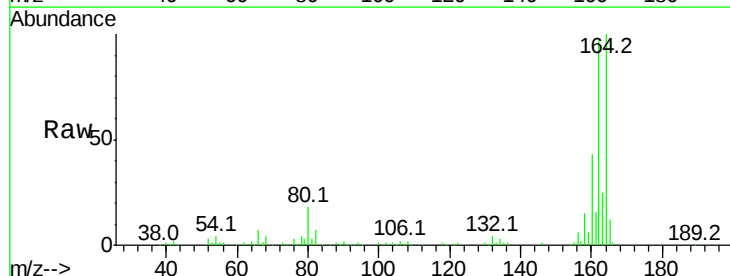
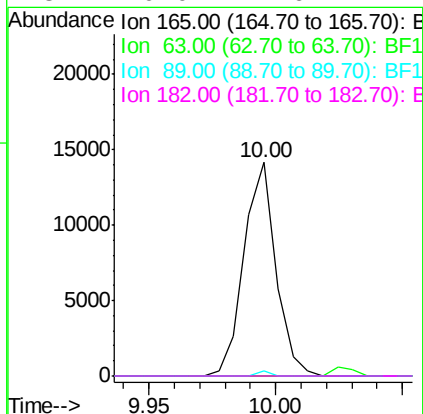
Instrument :
 BNA_F
 ClientSampleId :

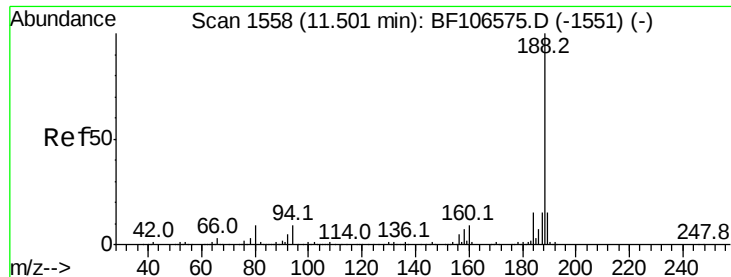
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	2.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.058 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

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

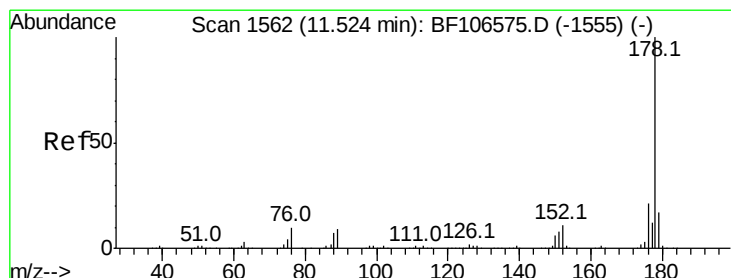
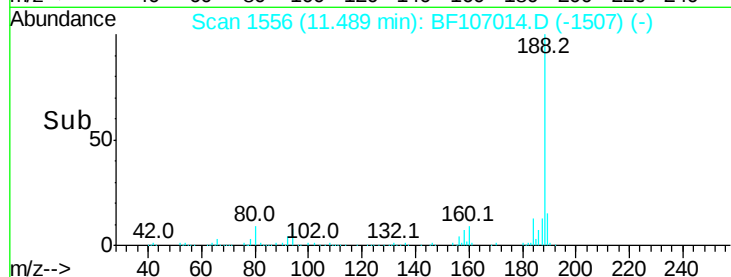
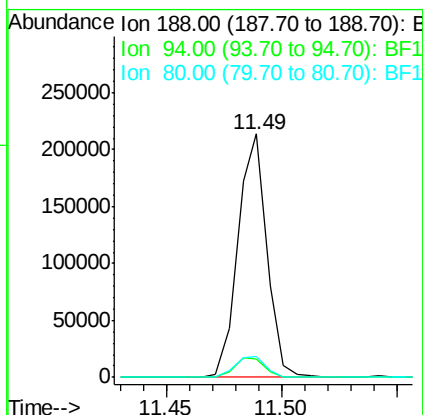
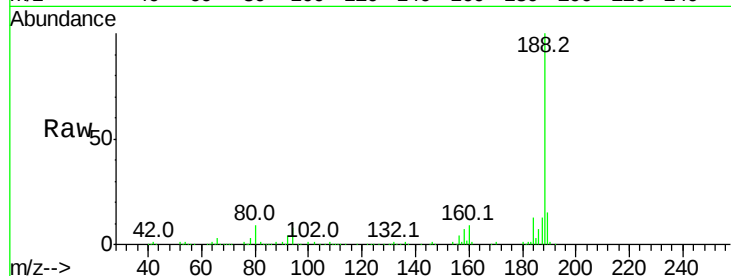




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

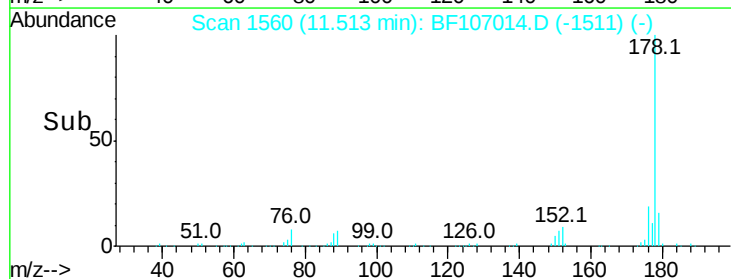
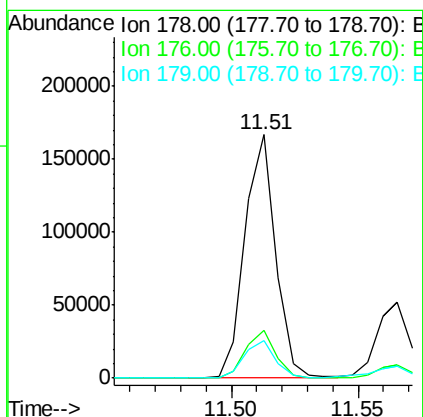
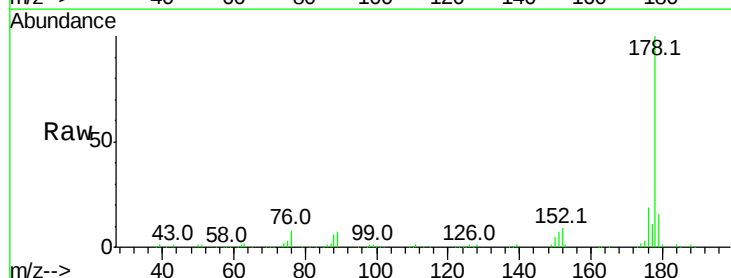
Instrument :
BNA_F
ClientSampled :

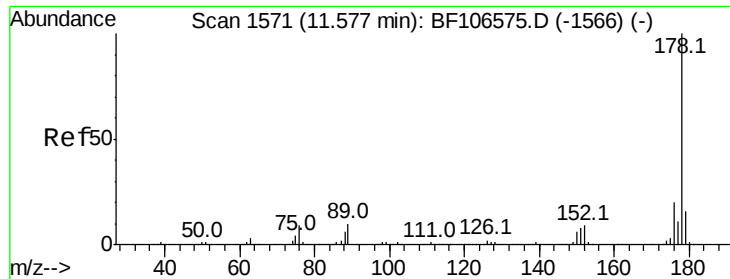
Tot Ion:188 Resp: 186471
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.7 9.2 13.8#



#70
Phenanthrene
Concen: 15.718 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Tgt Ion:178 Resp: 141366
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.7 13.0 19.6





#71

Anthracene

Concen: 4.915 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

ClientSampleId :

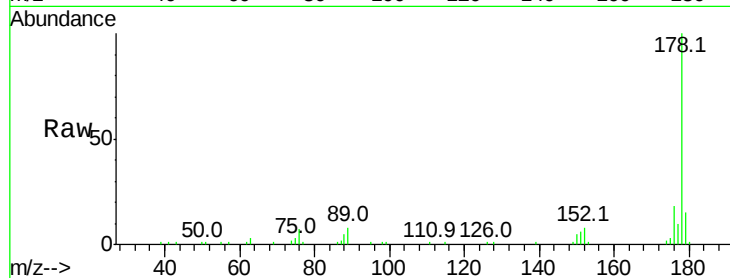
Tot Ion:178 Resp: 45122

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

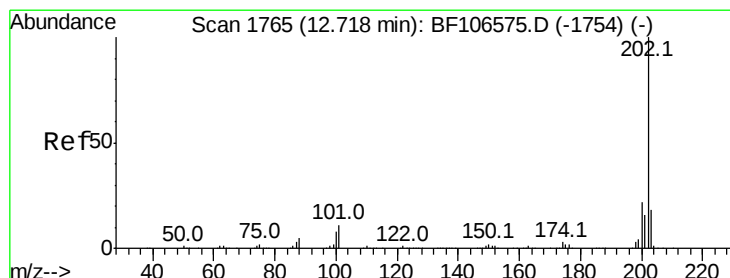
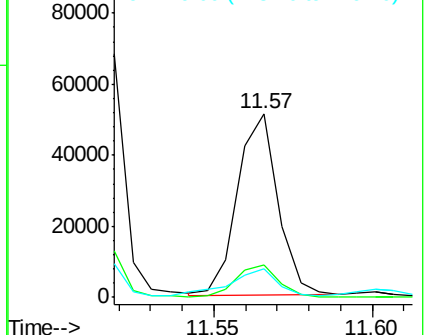
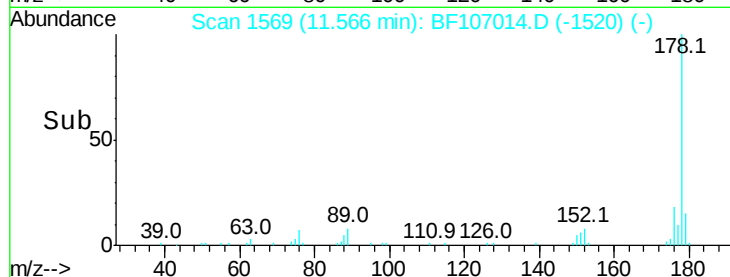
179 15.3 12.6 19.0



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: 24.445 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

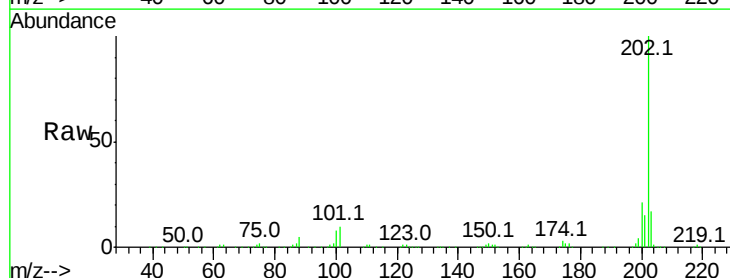
Tgt Ion:202 Resp: 242323

Ion Ratio Lower Upper

202 100

101 9.5 0.0 34.1

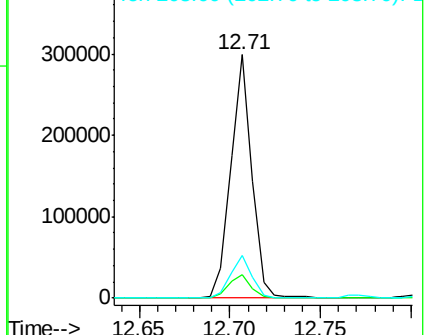
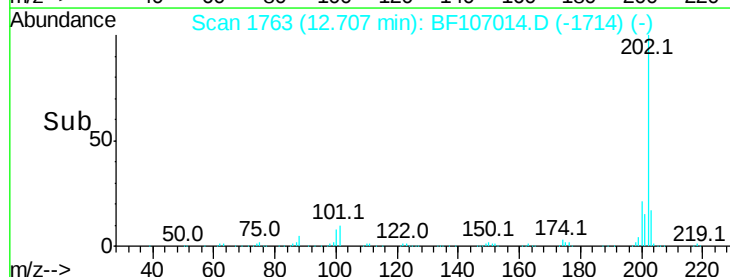
203 17.3 0.0 38.1

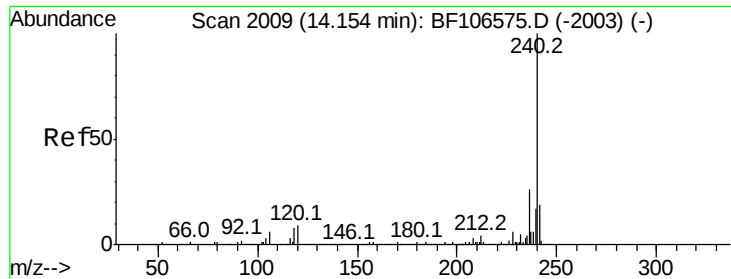


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

ClientSampleId :

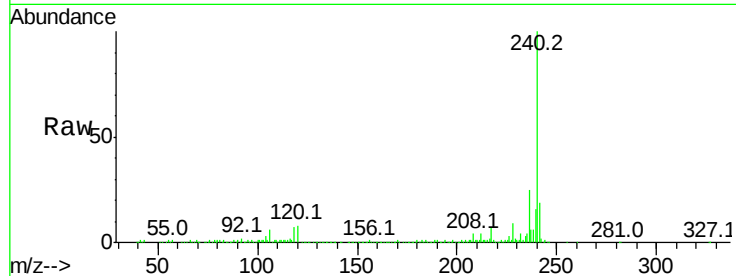
Tot Ion:240 Resp: 213905

Ion Ratio Lower Upper

240 100

120 8.0 9.5 14.3#

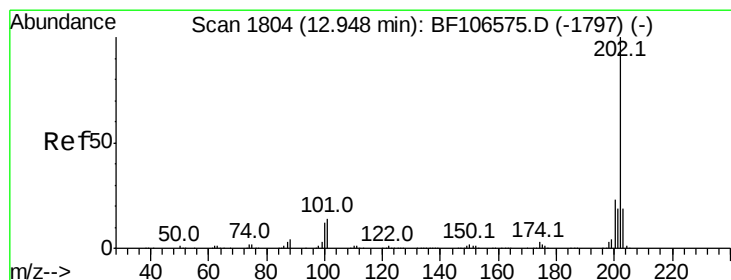
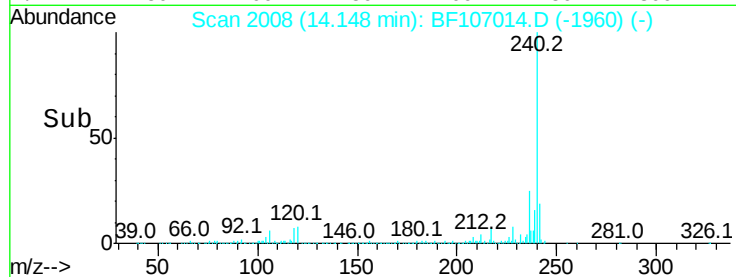
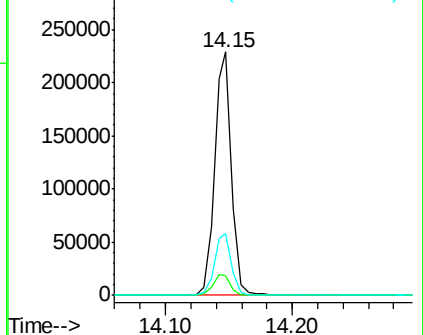
236 25.2 20.7 31.1



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: 15.466 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

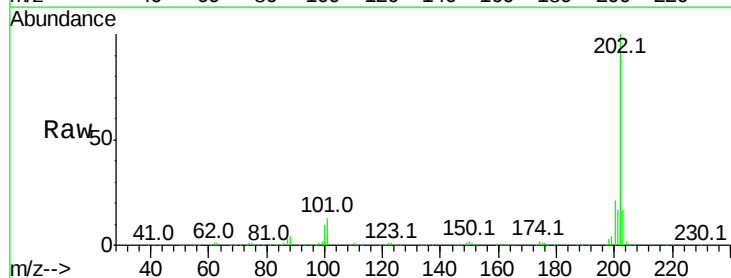
Tgt Ion:202 Resp: 218154

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

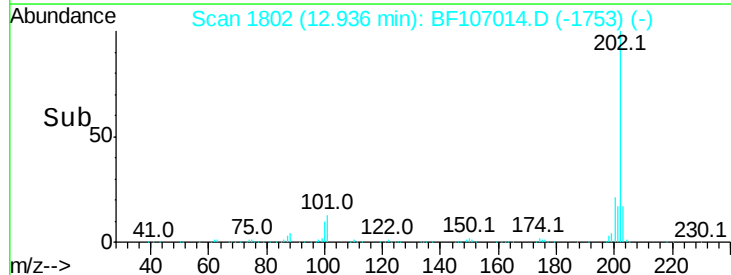
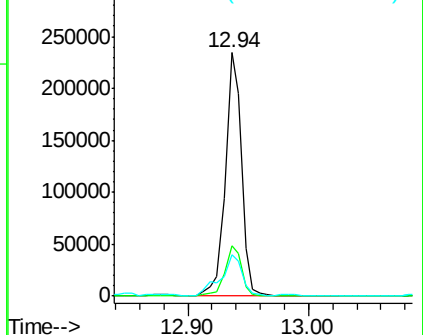
203 17.3 14.3 21.5

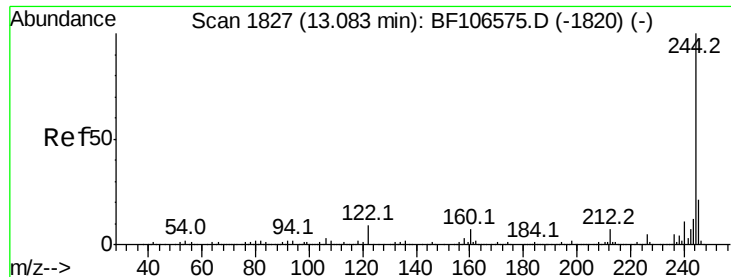


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.300 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

ClientSampleId :

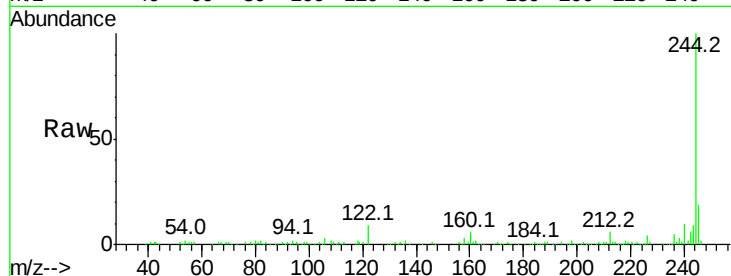
Tot Ion:244 Resp: 126279

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

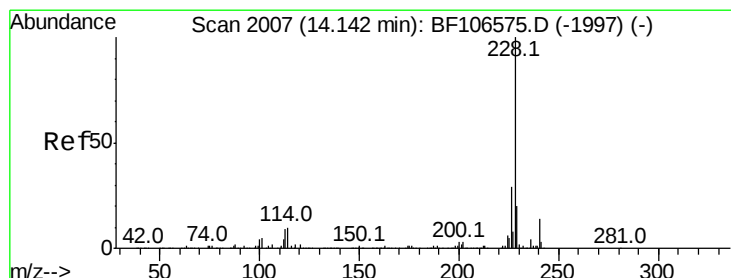
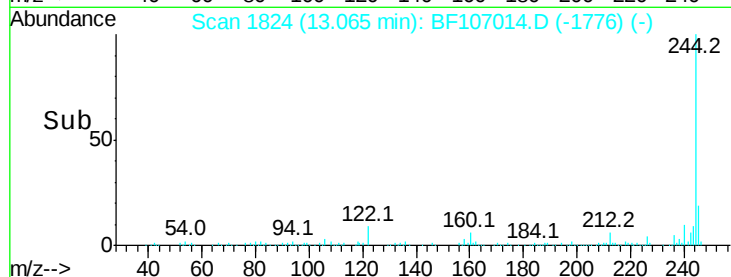
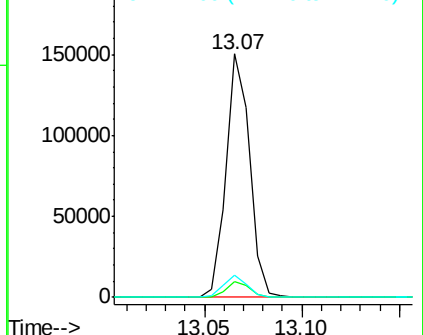
122 9.3 11.0 16.4#



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: 10.234 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

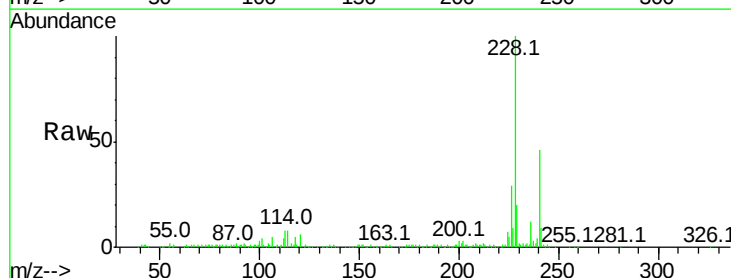
Tgt Ion:228 Resp: 133417

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

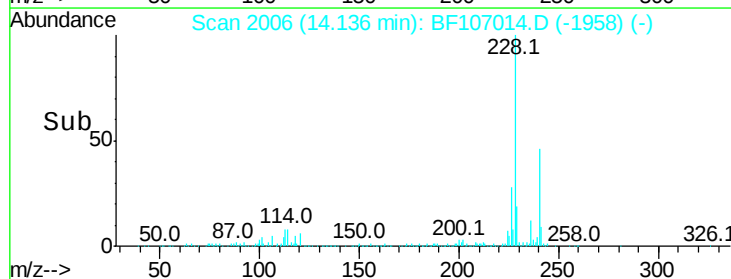
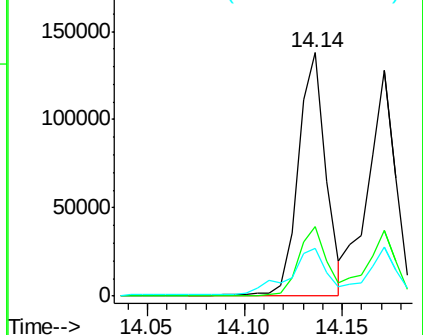
229 19.5 15.8 23.6

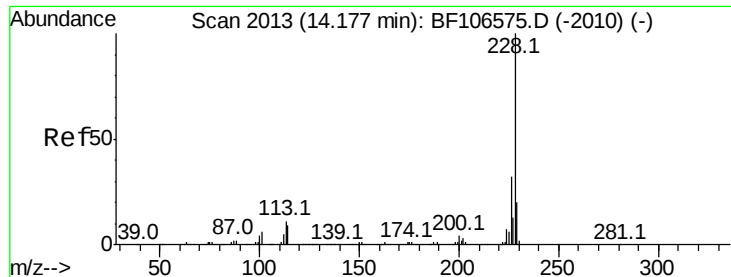


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

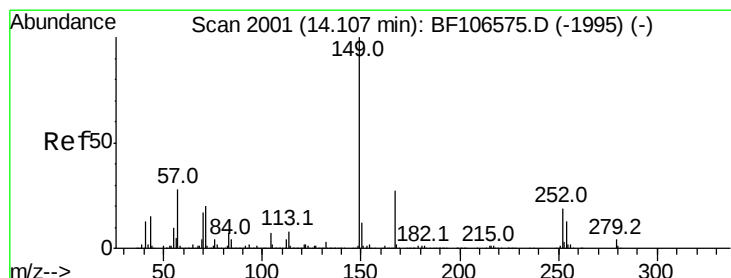
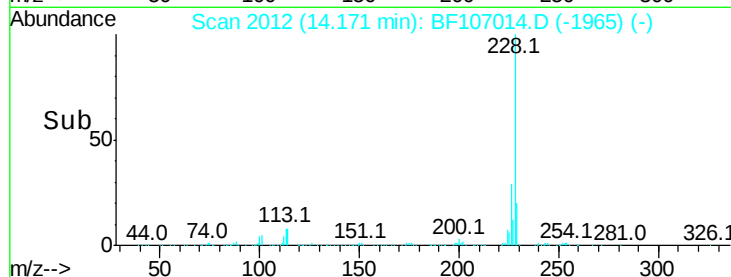
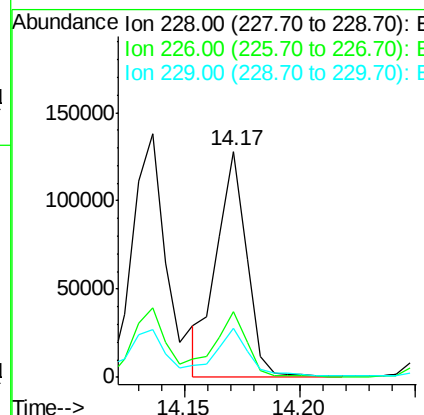
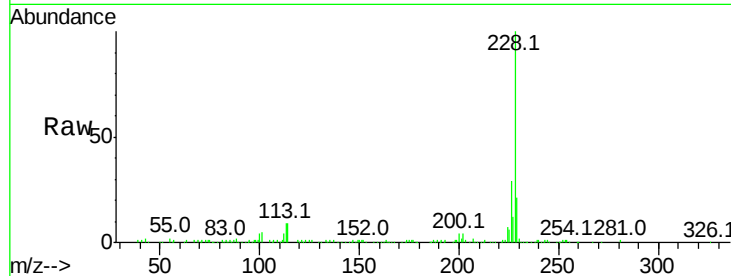




#82
Chrysene
Concen: 9.576 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

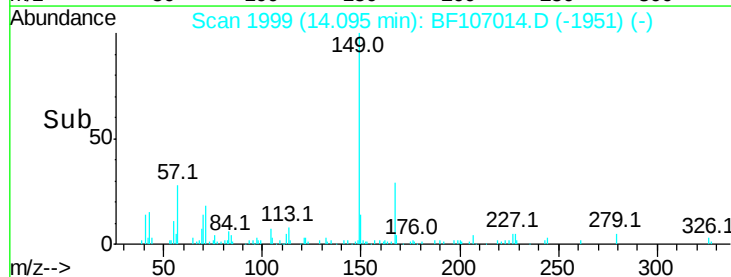
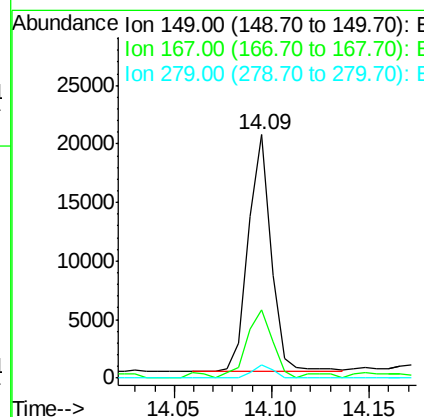
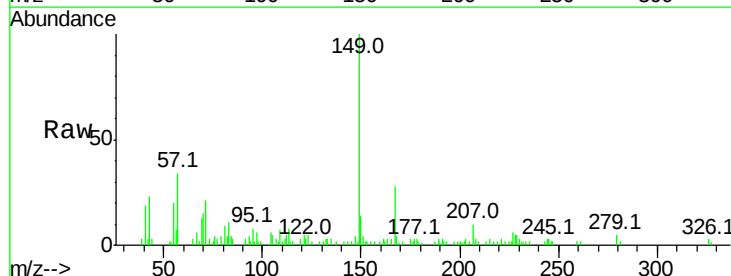
Instrument :
BNA_F
ClientSampleId :

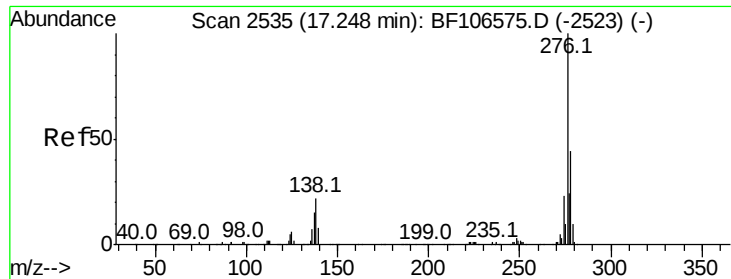
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	21.5	16.2	24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.237 ng
RT: 14.09 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.3	31.9
279	5.3	3.0	4.4

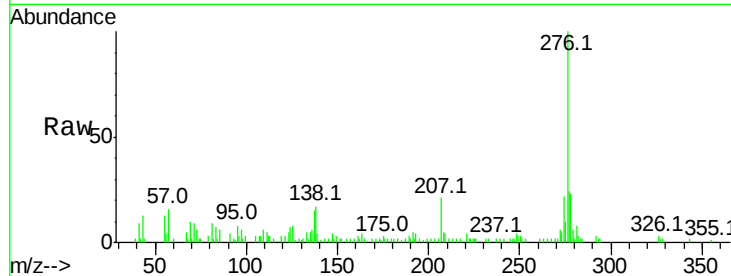




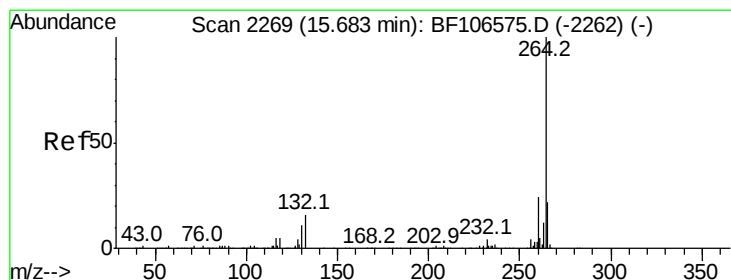
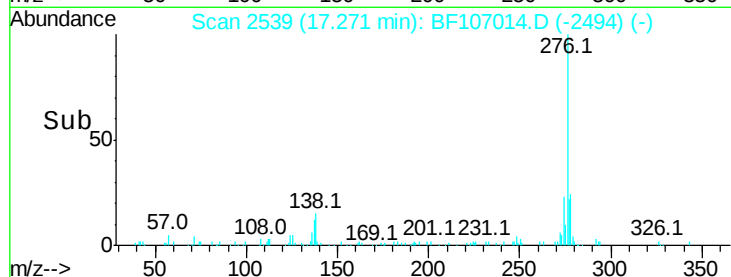
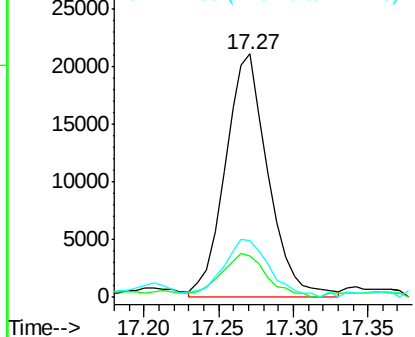
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.158 ng
 RT: 17.27 min Scan# 2539
 Delta R.T. -0.04 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 42321
 Ion Ratio Lower Upper
 276 100
 138 19.3 25.0 37.6#
 277 25.8 20.1 30.1

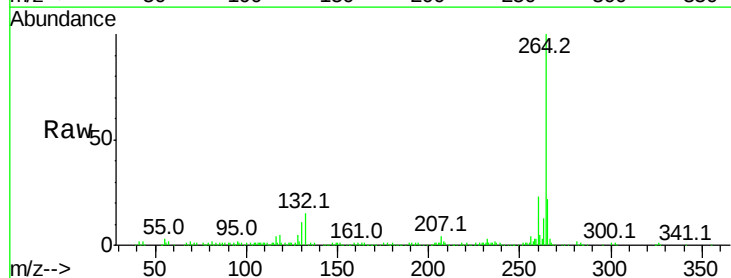


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

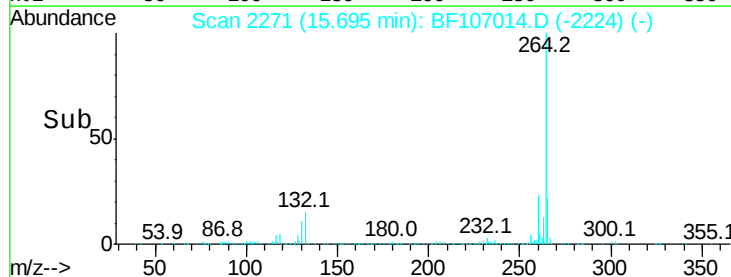
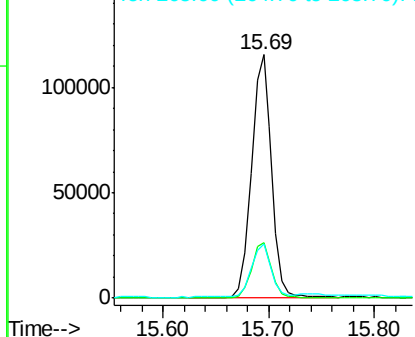


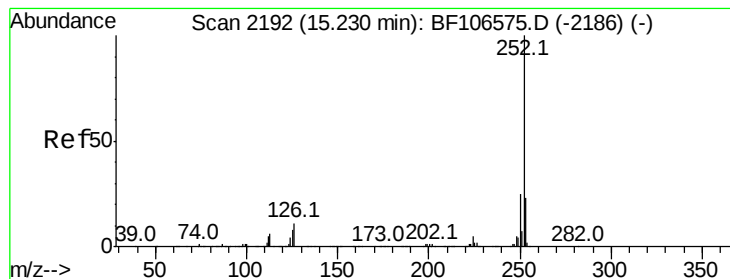
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Tgt Ion:264 Resp: 153864
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 22.1 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: 18.154 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

ClientSampled :

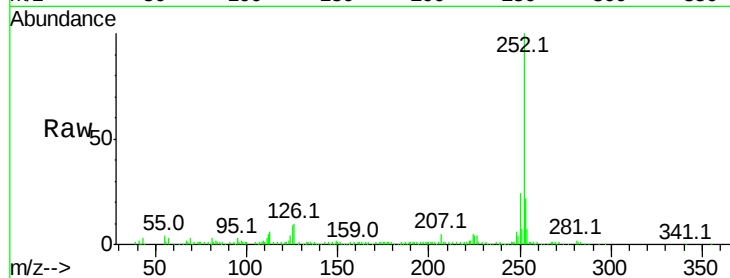
Tot Ion:252 Resp: 173512

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

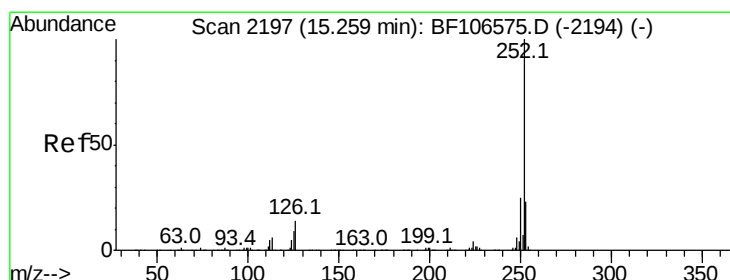
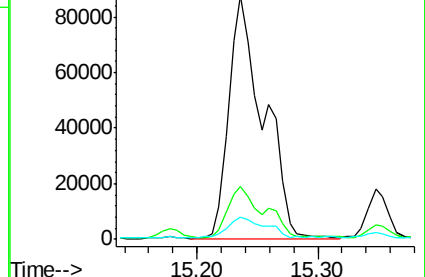
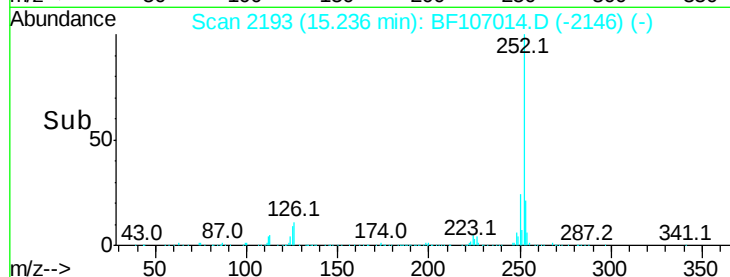
125 9.3 9.0 13.6



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: 19.063 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.06 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

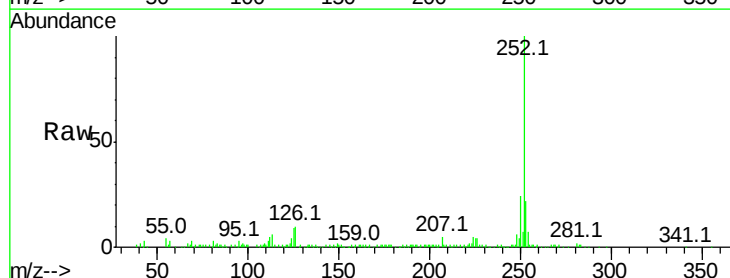
Tgt Ion:252 Resp: 173512

Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

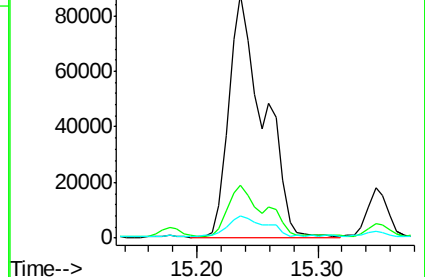
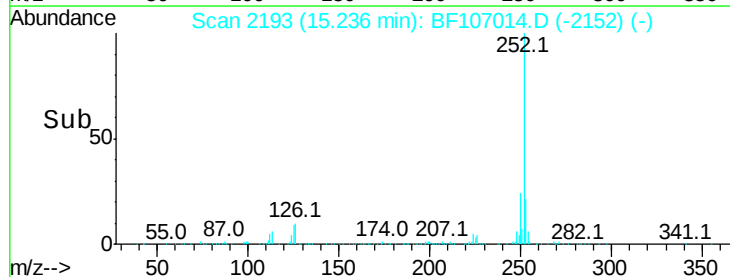
125 9.3 10.2 15.2#

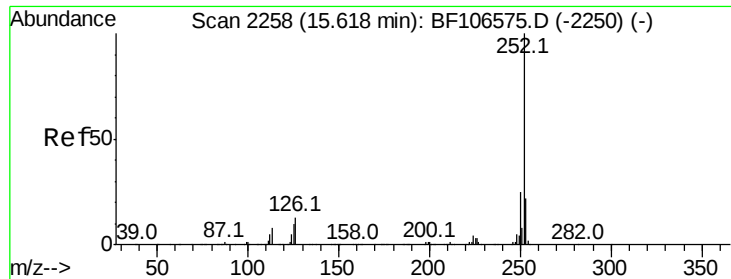


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.638 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.03 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

ClientSampleId :

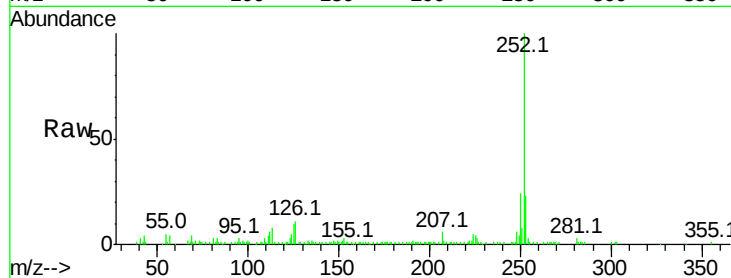
Tot Ion:252 Resp: 81896

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

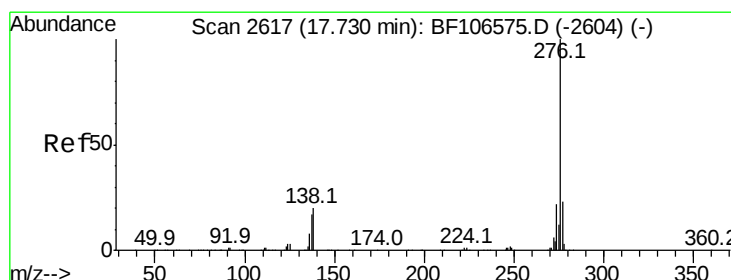
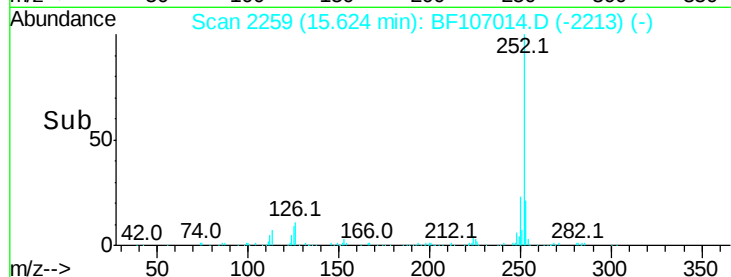
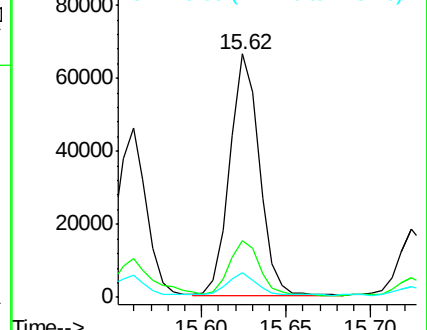
125 10.3 9.8 14.6



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: 5.481 ng

RT: 17.75 min Scan# 2621

Delta R.T. -0.04 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

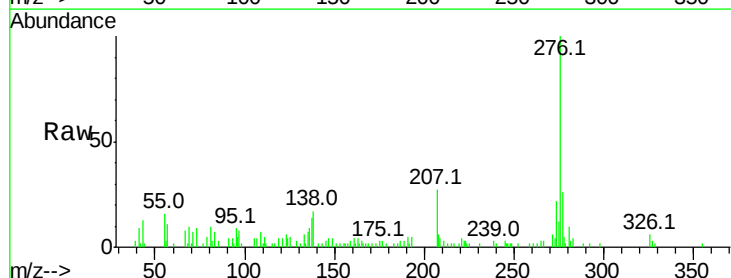
Tgt Ion:276 Resp: 38580

Ion Ratio Lower Upper

276 100

277 25.9 17.9 26.9

138 16.6 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

