

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107184.D
 Acq On : 6 Jul 2018 20:20
 Operator : JU/SJ
 Sample : J3868-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-S

Quant Time: Jul 06 22:55:56 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

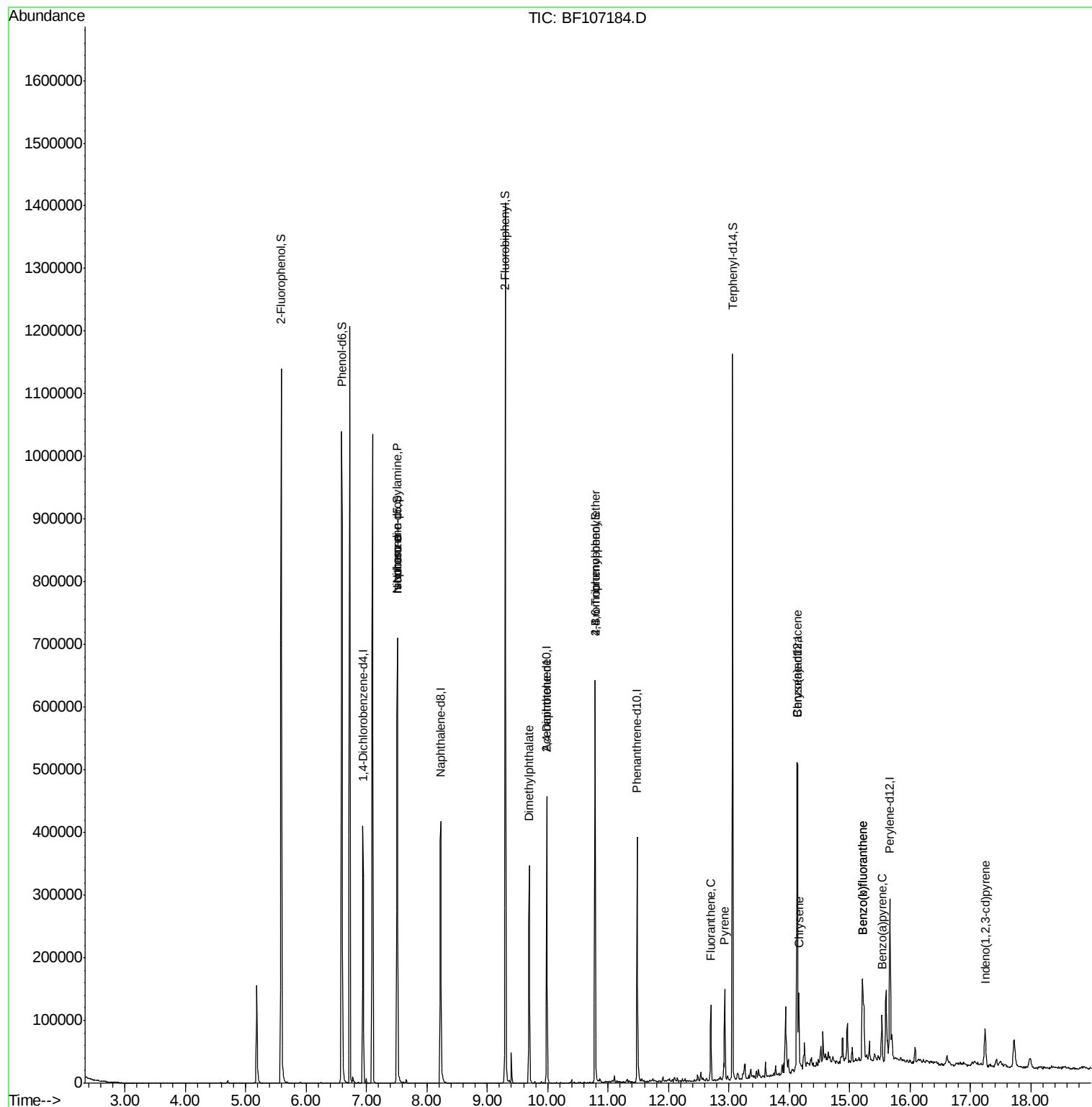
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	60108	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	225454	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	98036	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	162101	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	176589	20.00	ng	-0.03
86) Perylene-d12	15.67	264	134034	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	324197	91.33	ng	-0.01
7) Phenol-d6	6.59	99	408134	92.07	ng	-0.02
23) Nitrobenzene-d5	7.51	82	252713	62.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	92129	81.08	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	455382	77.28	ng	-0.02
78) Terphenyl-d14	13.06	244	444675	61.00	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	32126	10.994	ng	Qvalue # 76
25) Isophorone	7.51	82	252711	35.350	ng	# 64
49) Dimethylphthalate	9.70	163	145543	19.794	ng	99
56) 2,4-Dinitrotoluene	9.99	165	12045	5.927	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	5849	3.023	ng	# 1
74) Fluoranthene	12.70	202	48472	5.625	ng	96
77) Pyrene	12.93	202	59003	5.067	ng	99
80) Benzo(a)anthracene	14.12	228	49467	4.596	ng	97
82) Chrysene	14.16	228	46752	4.722	ng	96
85) Indeno(1,2,3-cd)pyrene	17.24	276	39158	4.660	ng	# 88
87) Benzo(b)fluoranthene	15.21	252	106160	12.750	ng	97
88) Benzo(k)fluoranthene	15.21	252	106160	13.389	ng	# 97
89) Benzo(a)pyrene	15.53	252	38138	5.153	ng	99

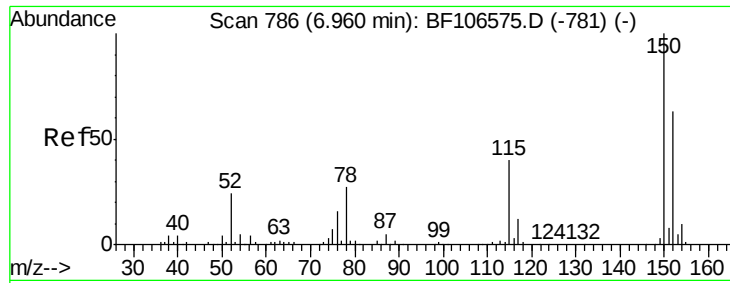
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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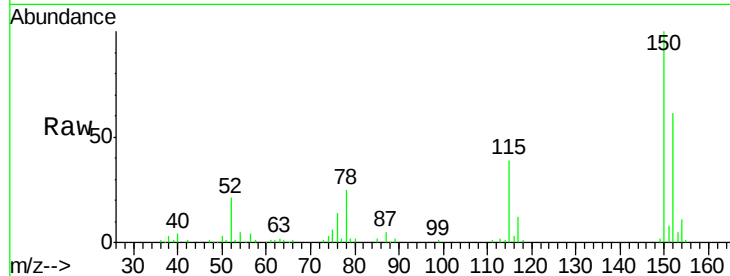


#1

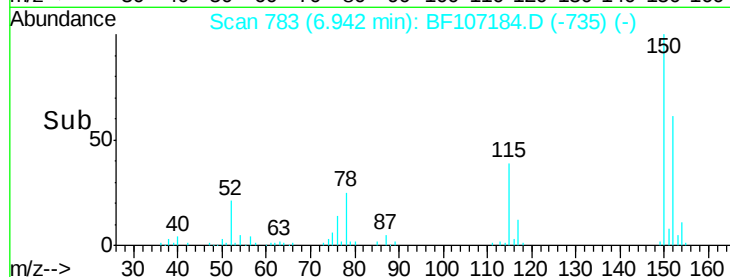
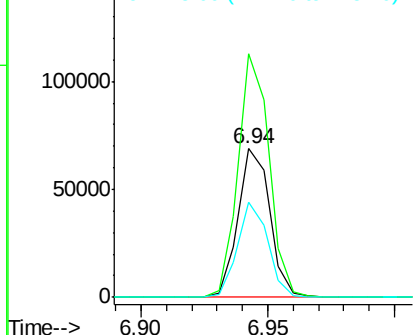
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107184.D
Acq: 6 Jul 2018 20:20

Instrument :
BNA_F
ClientSampleId :
TP-7-S

Tgt Ion:152 Resp: 60108
Ion Ratio Lower Upper
152 100
150 163.9 124.6 186.8
115 63.7 50.1 75.1



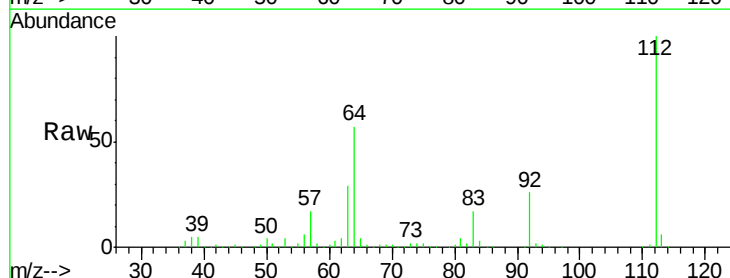
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



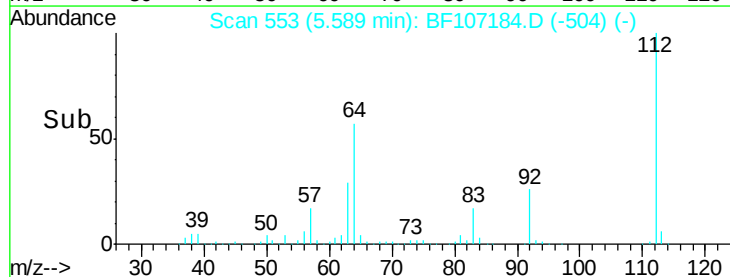
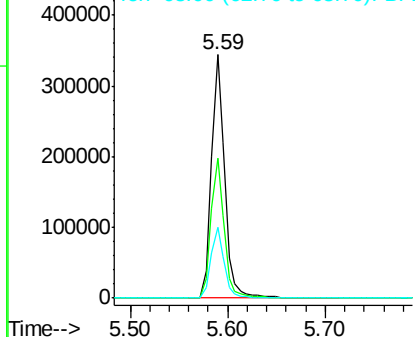
#5

2-Fluorophenol
Concen: 91.330 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107184.D
Acq: 6 Jul 2018 20:20

Tgt Ion:112 Resp: 324197
Ion Ratio Lower Upper
112 100
64 57.4 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: 92.069 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

Instrument :

BNA_F

ClientSampleId :

TP-7-S

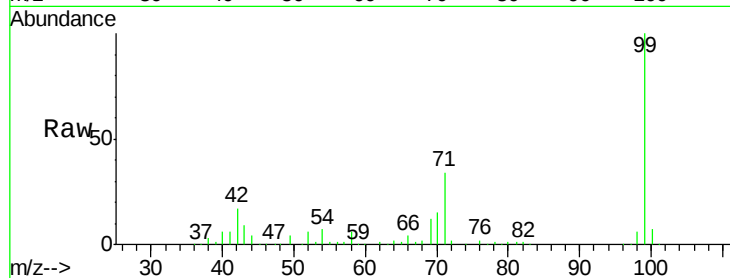
Tgt Ion: 99 Resp: 408134

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

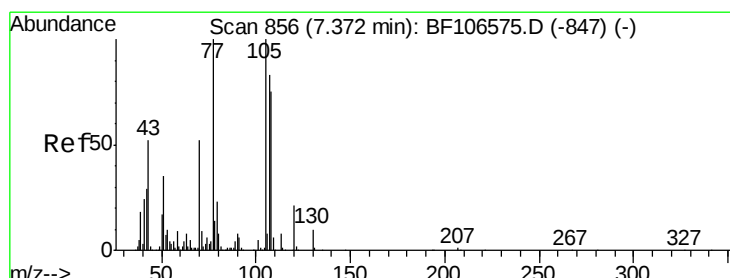
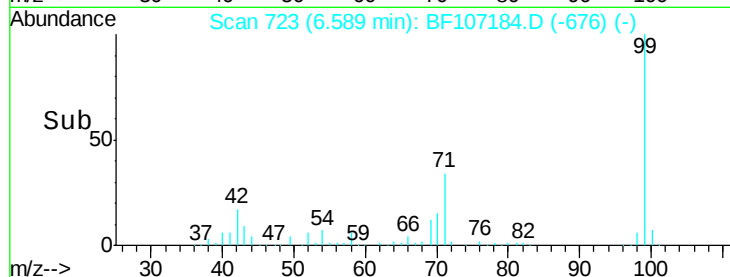
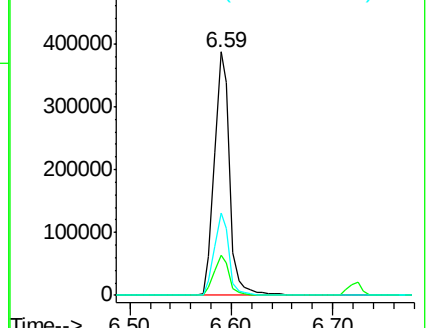
71 34.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.994 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

Tgt Ion: 70 Resp: 32126

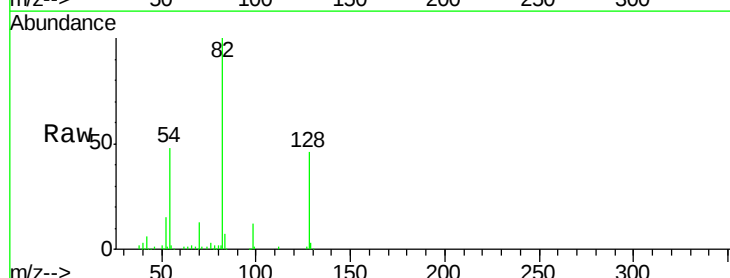
Ion Ratio Lower Upper

70 100

42 45.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

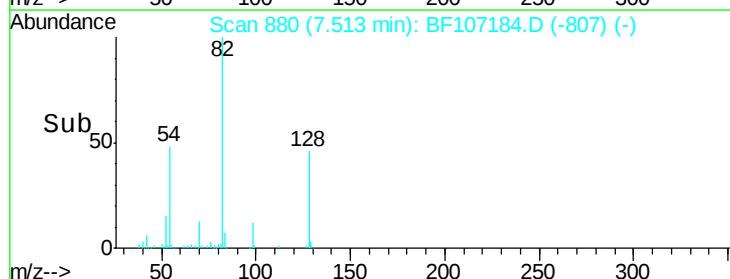
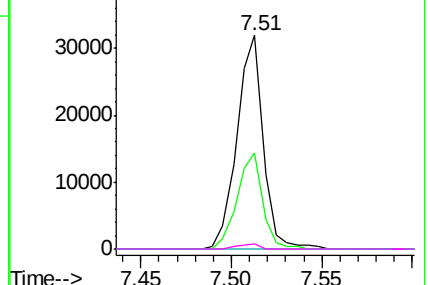


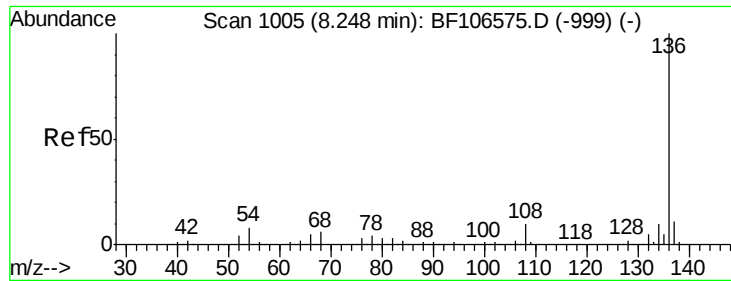
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

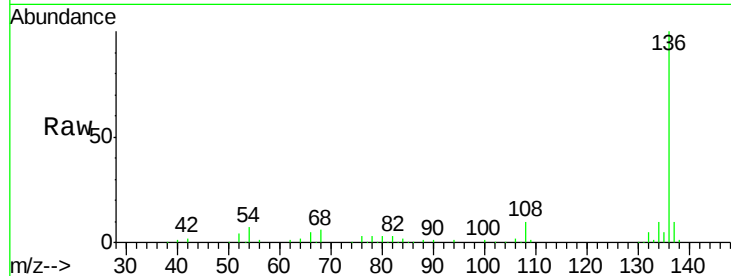




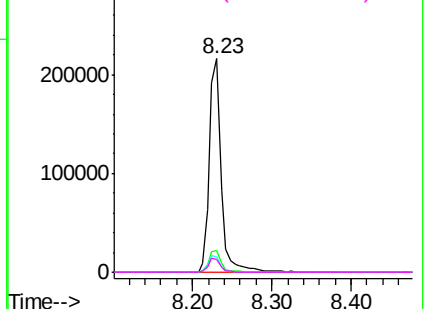
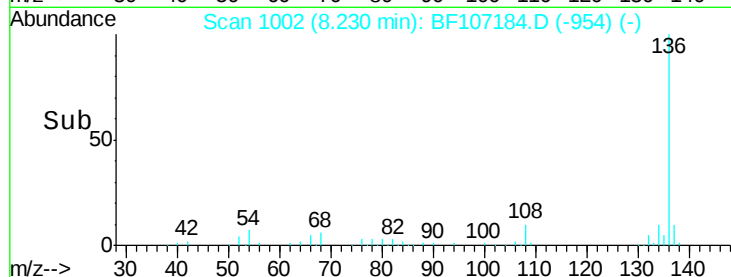
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107184.D
Acq: 6 Jul 2018 20:20

Instrument :
BNA_F
ClientSampleId :
TP-7-S

Tgt Ion:	136	Resp:	225454
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	7.3	6.6	9.8
68	5.8	5.0	7.4

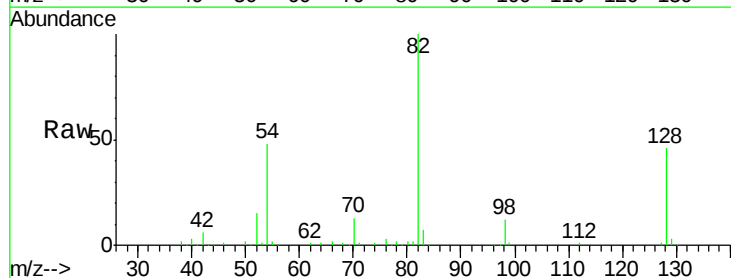


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

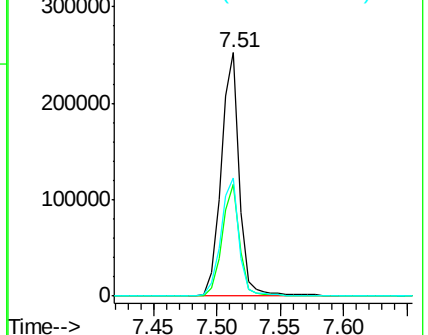
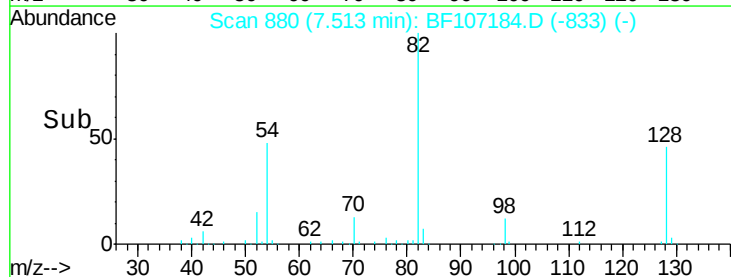


#23
Nitrobenzene-d5
Concen: 62.293 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107184.D
Acq: 6 Jul 2018 20:20

Tgt Ion:	82	Resp:	252713
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	48.4	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: 35.350 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

Instrument :

BNA_F

ClientSampleId :

TP-7-S

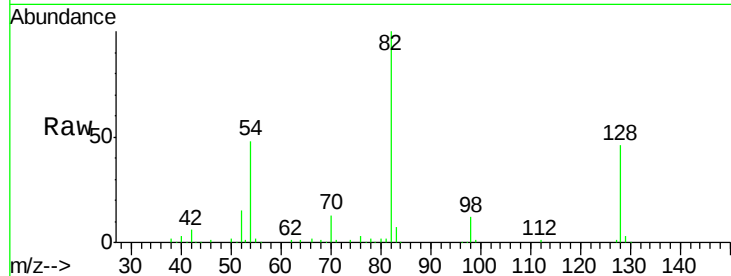
Tgt Ion: 82 Resp: 252711

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

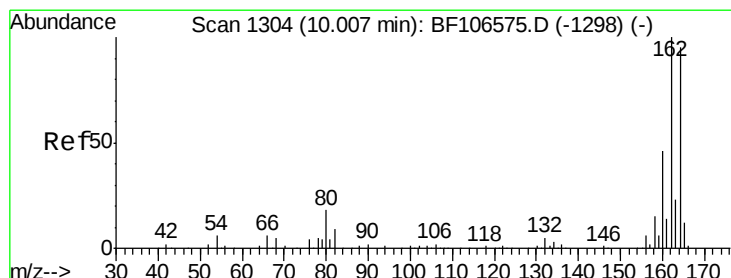
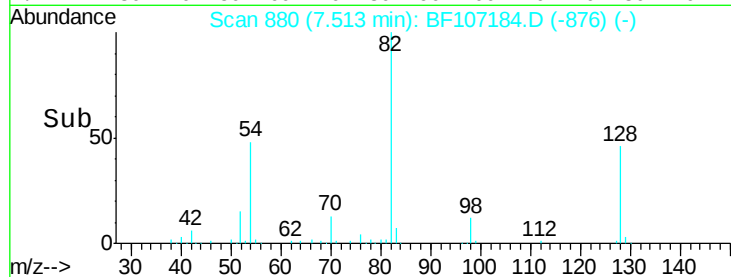
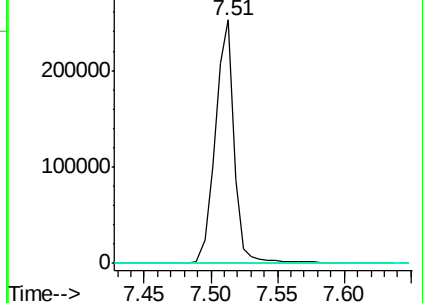
138 0.0 14.9 22.3#



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: 9.99 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

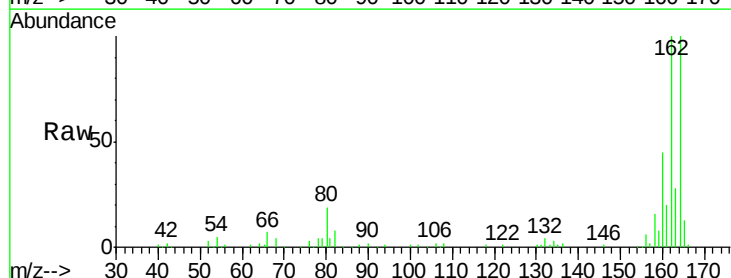
Tgt Ion: 164 Resp: 98036

Ion Ratio Lower Upper

164 100

162 99.5 86.1 129.1

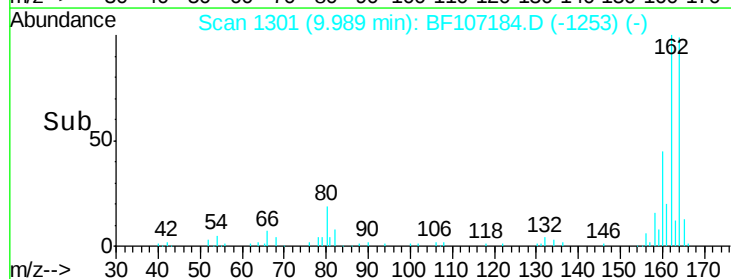
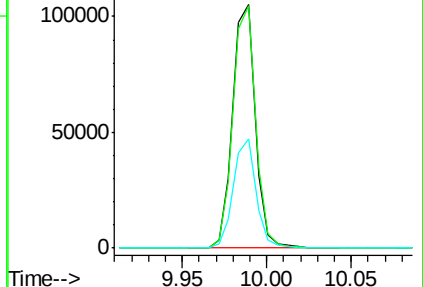
160 45.0 38.3 57.5



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

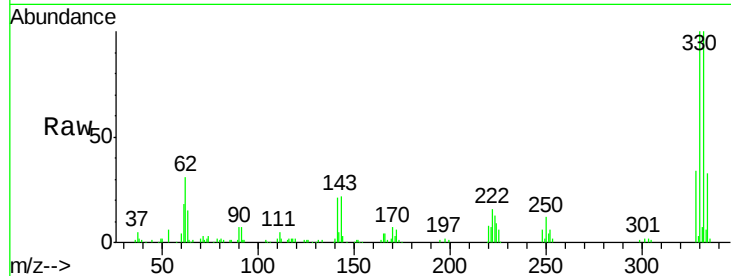




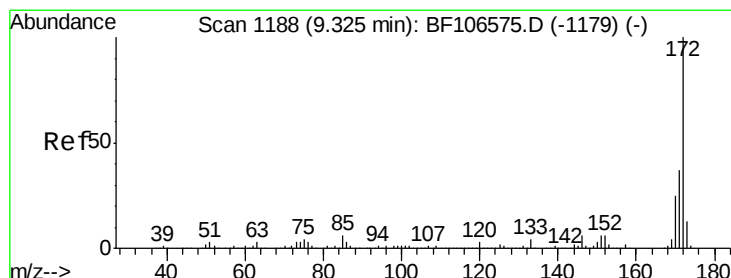
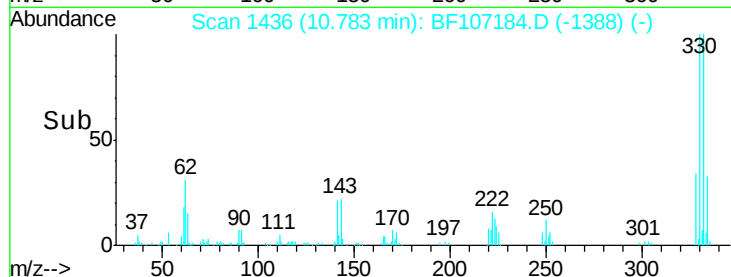
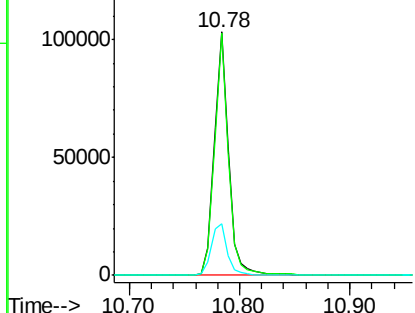
#41
 2,4,6-Tribromophenol
 Concen: 81.081 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107184.D
 Acq: 6 Jul 2018 20:20

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-S

Tgt Ion:330 Resp: 92129
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 23.4 29.9 44.9#

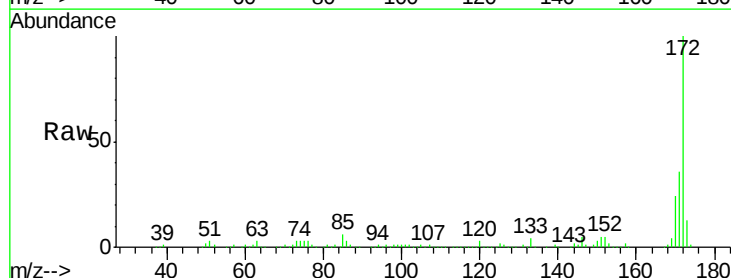


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

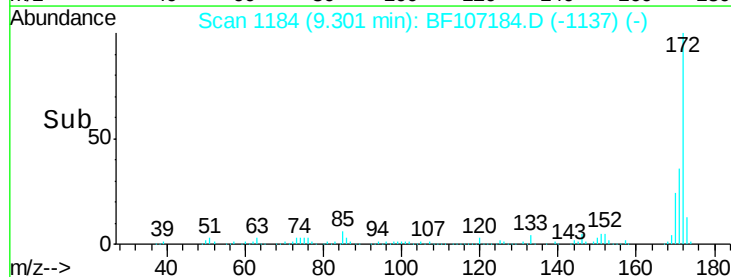
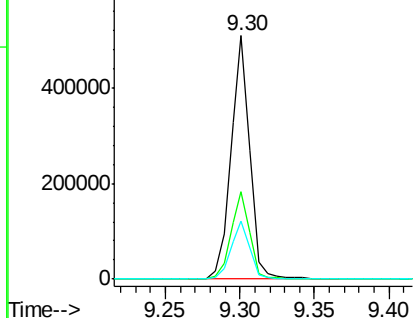


#44
 2-Fluorobiphenyl
 Concen: 77.284 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107184.D
 Acq: 6 Jul 2018 20:20

Tgt Ion:172 Resp: 455382
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.9 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

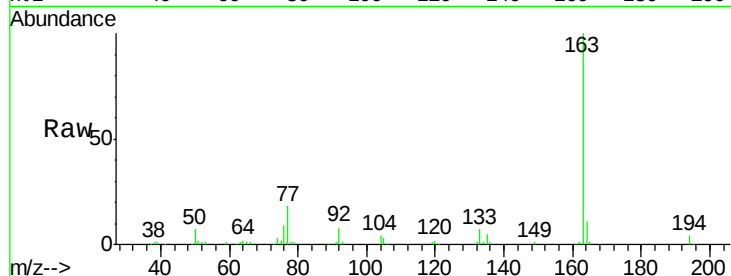




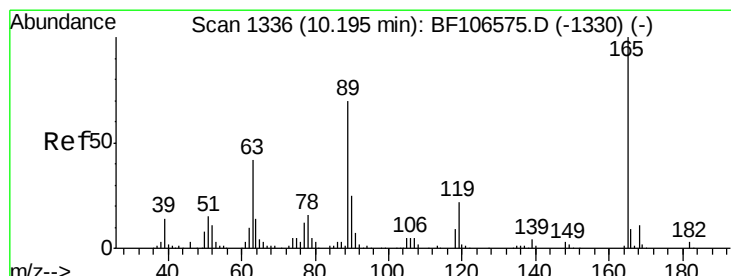
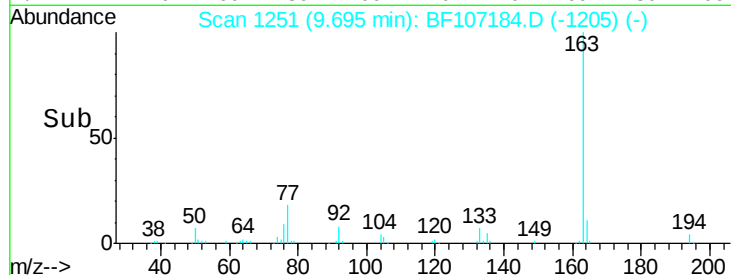
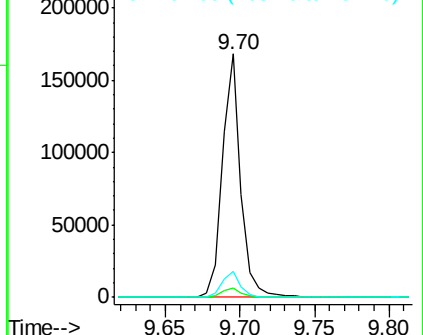
#49
Dimethylphthalate
Concen: 19.794 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107184.D
Acq: 6 Jul 2018 20:20

Instrument :
BNA_F
ClientSampleId :
TP-7-S

Tgt Ion:163 Resp: 145543
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.7 8.2 12.2

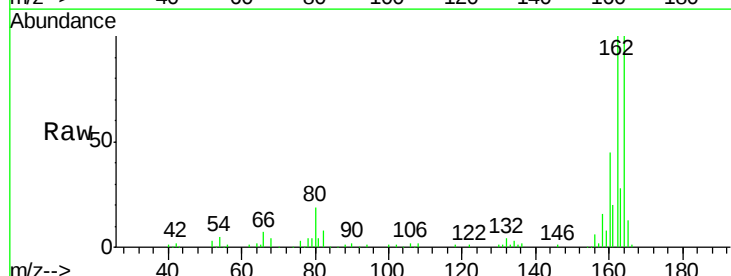


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

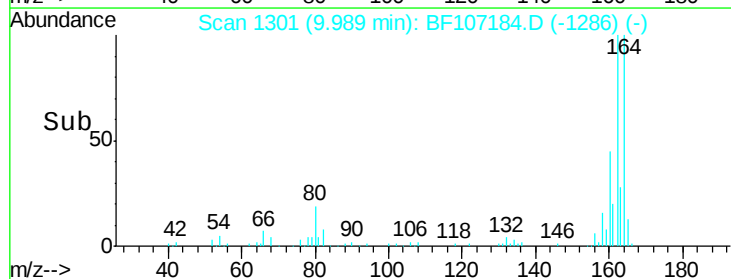
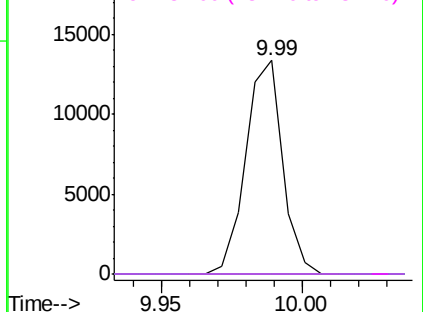


#56
2,4-Dinitrotoluene
Concen: 5.927 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107184.D
Acq: 6 Jul 2018 20:20

Tgt Ion:165 Resp: 12045
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



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

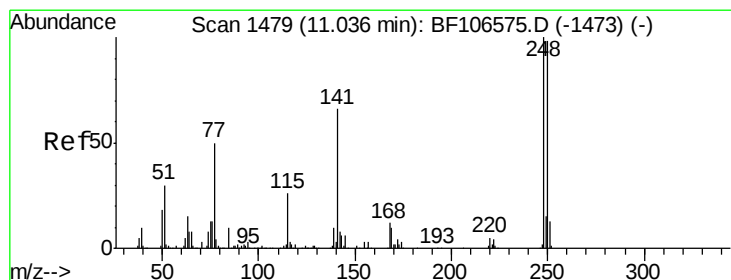
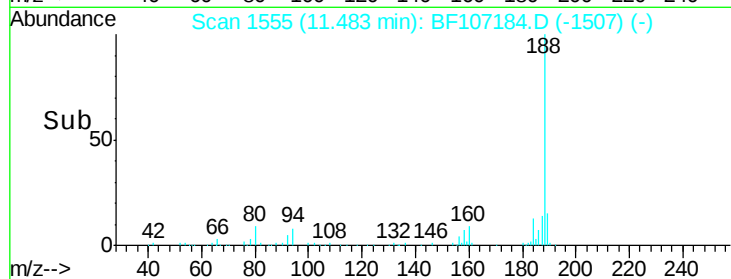
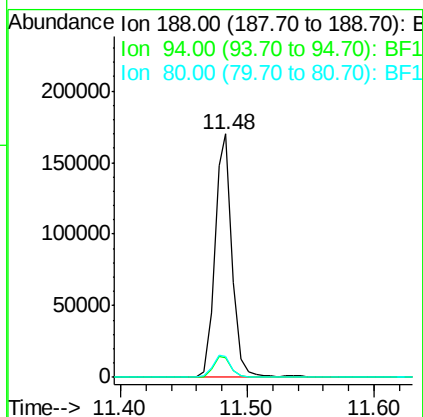
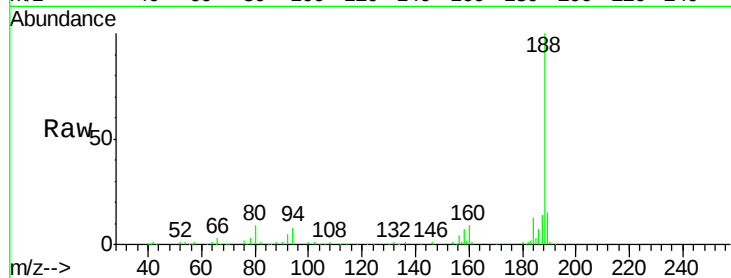




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107184.D
Acq: 6 Jul 2018 20:20

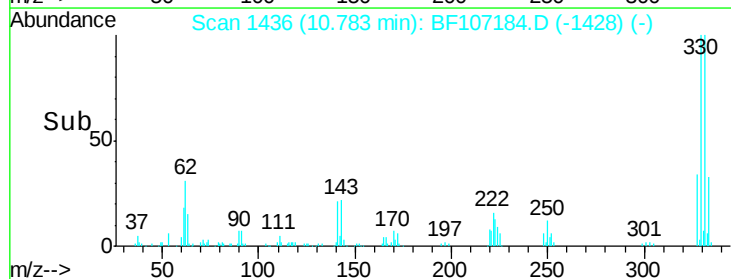
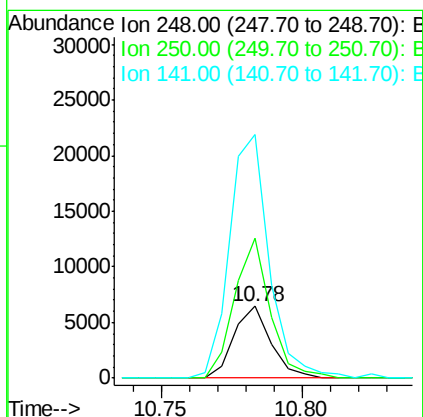
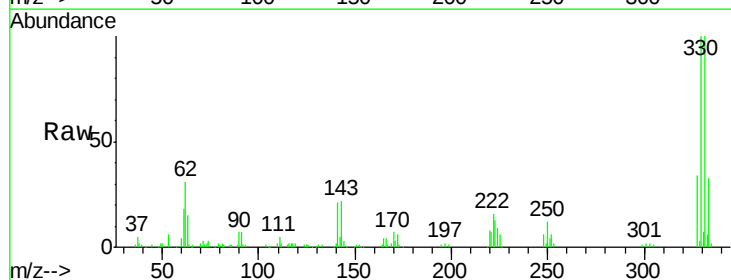
Instrument :
BNA_F
ClientSampleId :
TP-7-S

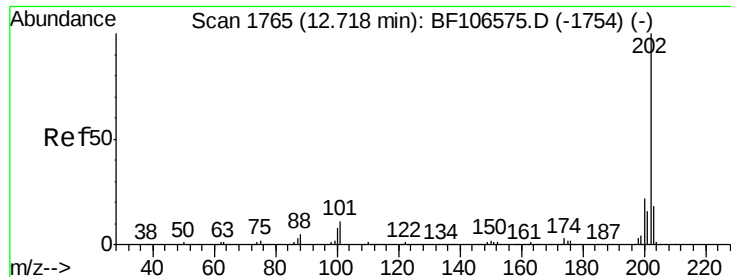
Tgt Ion:188 Resp: 162101
Ion Ratio Lower Upper
188 100
94 8.3 8.5 12.7#
80 8.8 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.023 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF107184.D
Acq: 6 Jul 2018 20:20

Tgt Ion:248 Resp: 5849
Ion Ratio Lower Upper
248 100
250 194.9 76.9 115.3#
141 339.5 74.4 111.6#





#74

Fluoranthene

Concen: 5.625 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

Instrument :

BNA_F

ClientSampleId :

TP-7-S

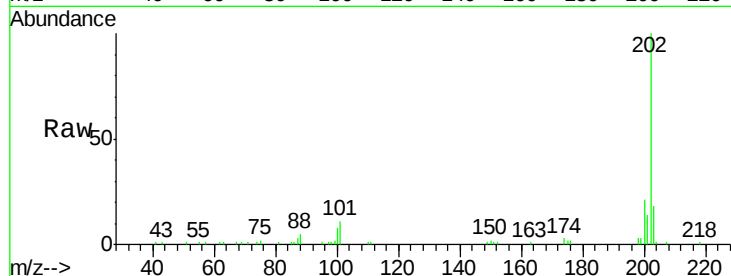
Tgt Ion: 202 Resp: 48472

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.1

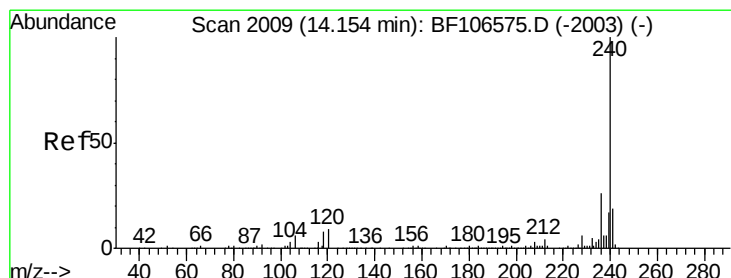
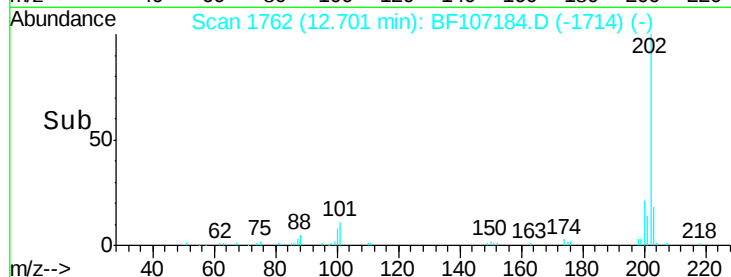
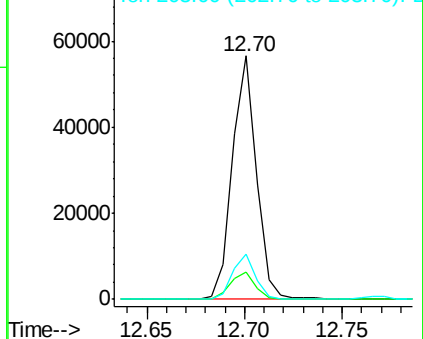
203 18.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

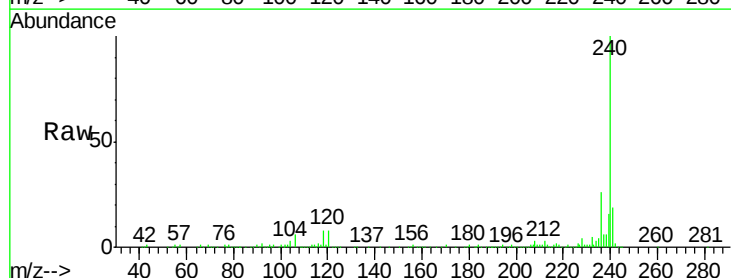
Tgt Ion: 240 Resp: 176589

Ion Ratio Lower Upper

240 100

120 8.2 9.5 14.3#

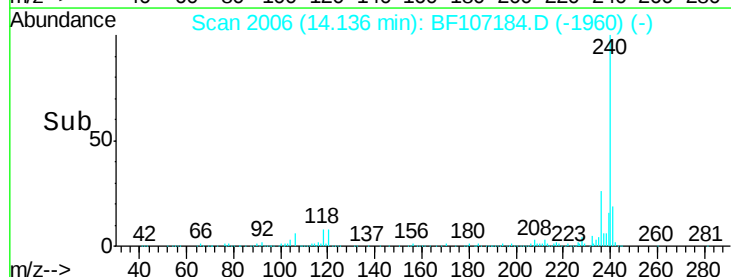
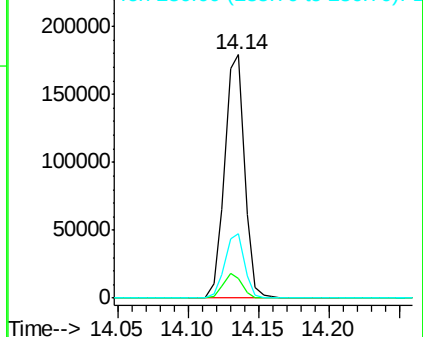
236 26.3 20.7 31.1

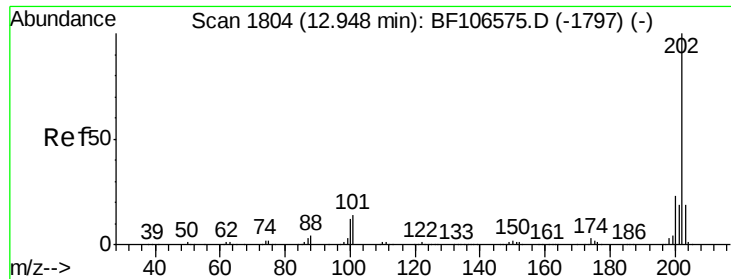


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

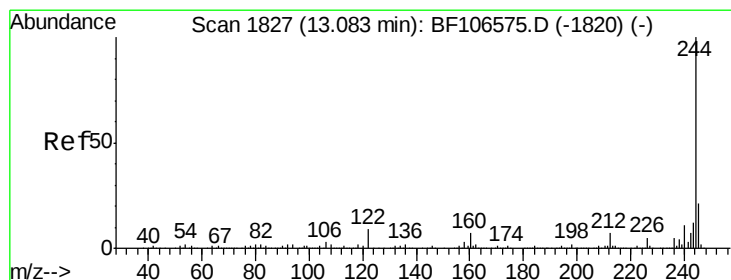
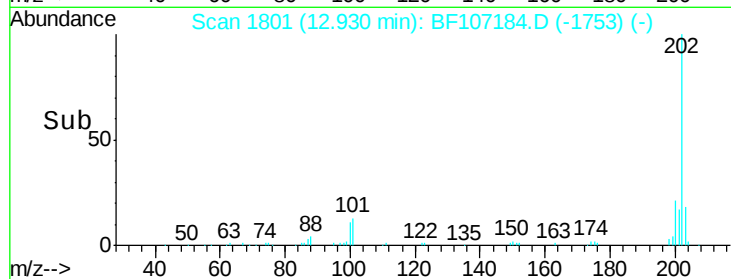
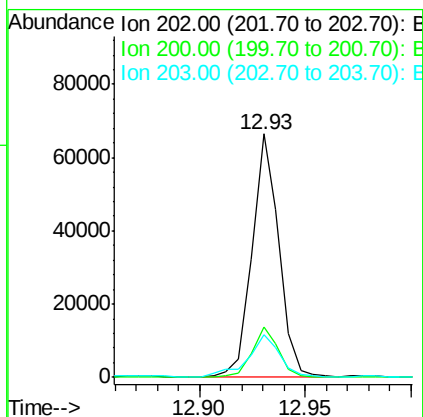
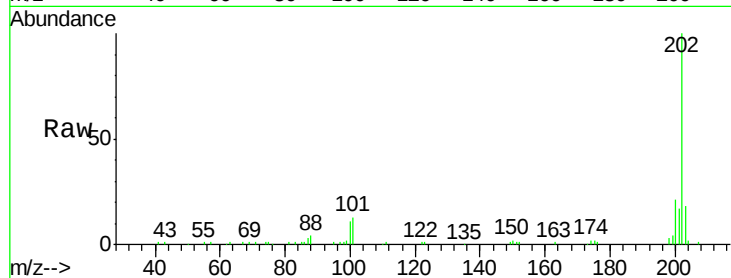




#77
 Pyrene
 Concen: 5.067 ng
 RT: 12.93 min Scan# 1801
 Delta R.T. -0.02 min
 Lab File: BF107184.D
 Acq: 6 Jul 2018 20:20

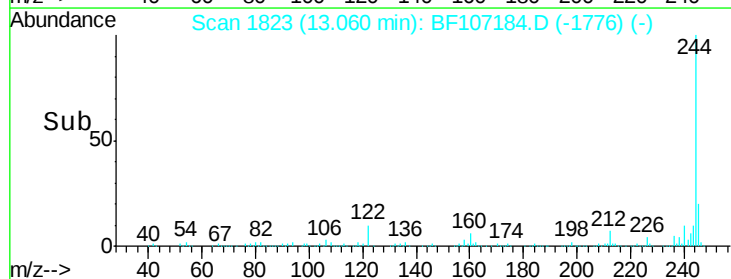
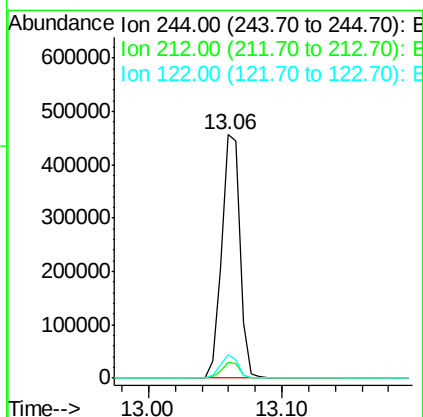
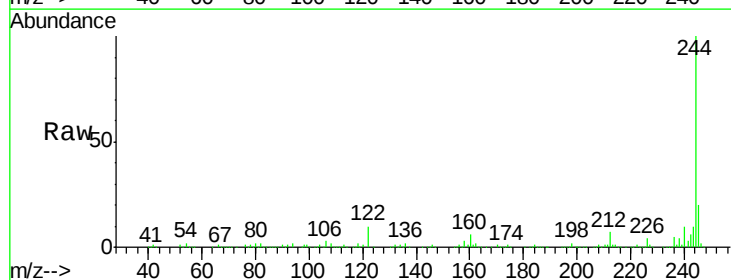
Instrument :
 BNA_F
 ClientSampleId :
 TP-7-S

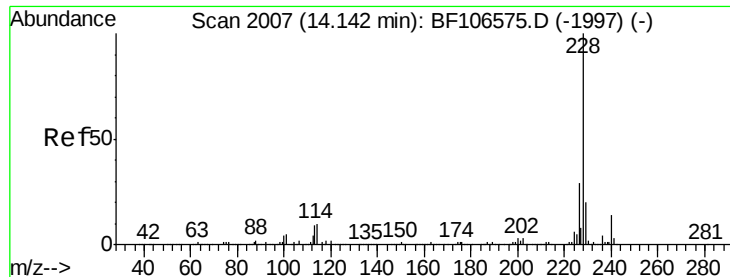
Tgt Ion:202 Resp: 59003
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.4 26.2
 203 17.7 14.3 21.5



#78
 Terphenyl-d14
 Concen: 60.997 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107184.D
 Acq: 6 Jul 2018 20:20

Tgt Ion:244 Resp: 444675
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.8 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 4.596 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.03 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

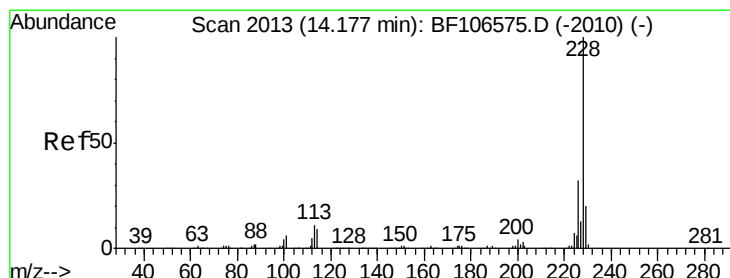
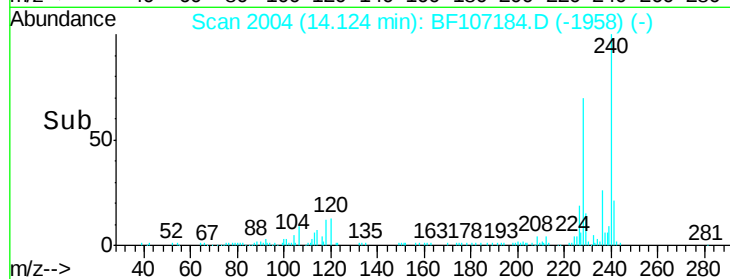
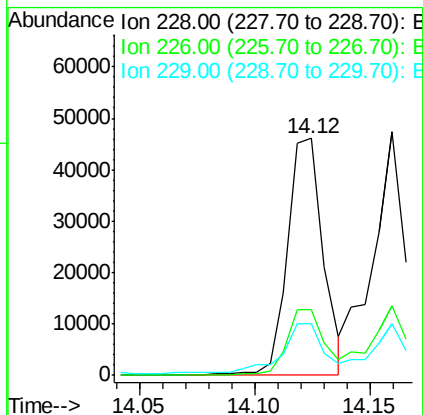
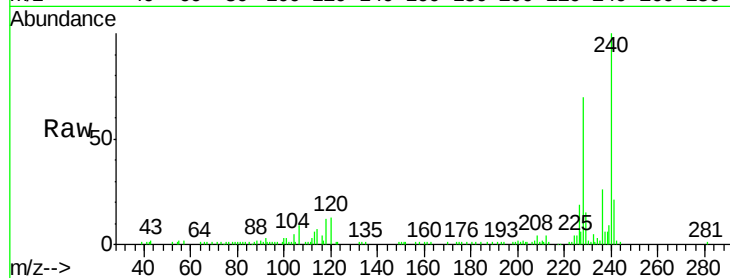
Instrument :

BNA_F

ClientSampleId :

TP-7-S

Tgt Ion:	228	Resp:	49467
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.9	15.8	23.6



#82

Chrysene

Concen: 4.722 ng

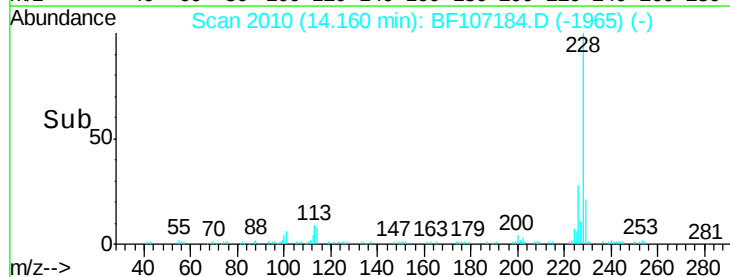
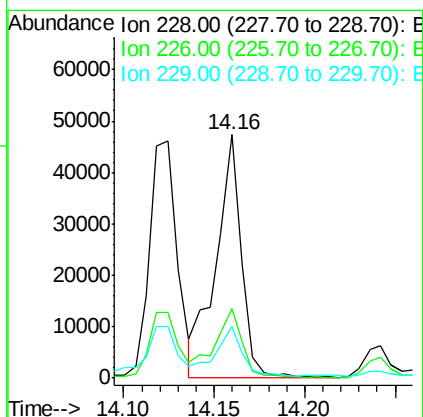
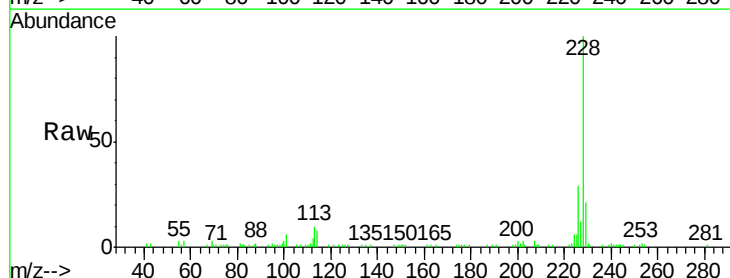
RT: 14.16 min Scan# 2010

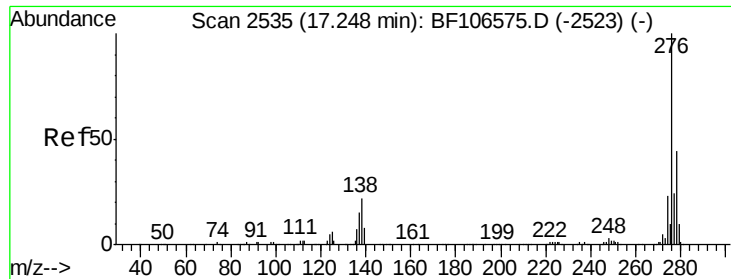
Delta R.T. -0.04 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

Tgt Ion:	228	Resp:	46752
Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	21.4	16.2	24.4

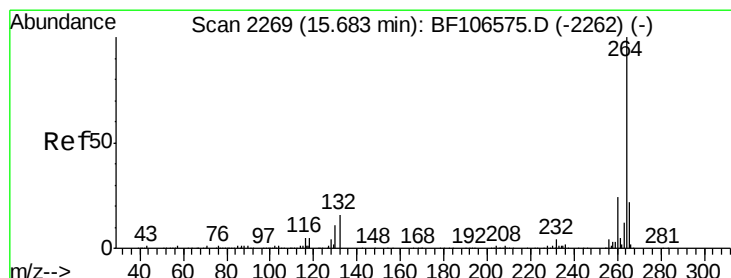
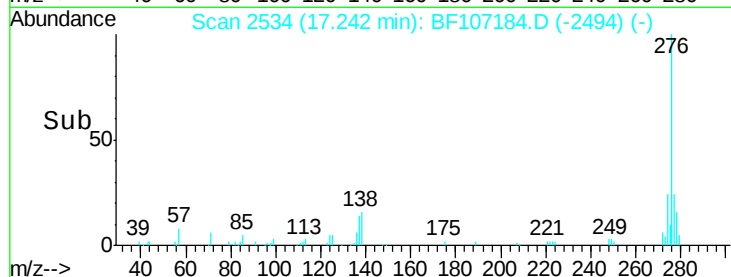
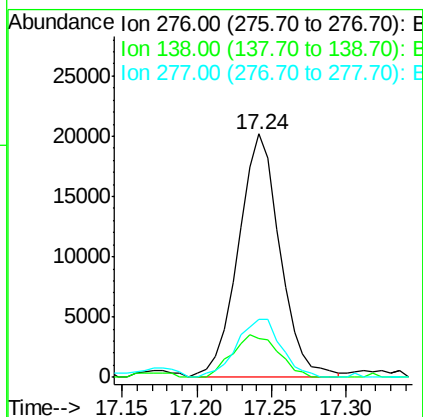
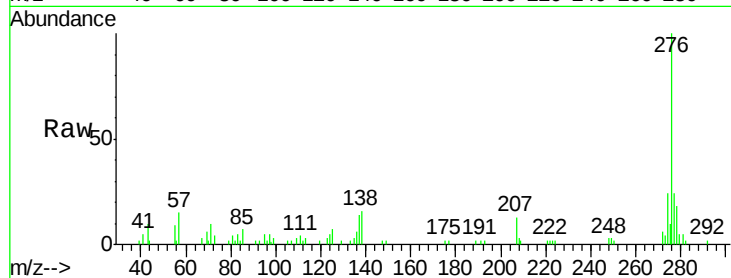




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.660 ng
 RT: 17.24 min Scan# 2534
 Delta R.T. -0.06 min
 Lab File: BF107184.D
 Acq: 6 Jul 2018 20:20

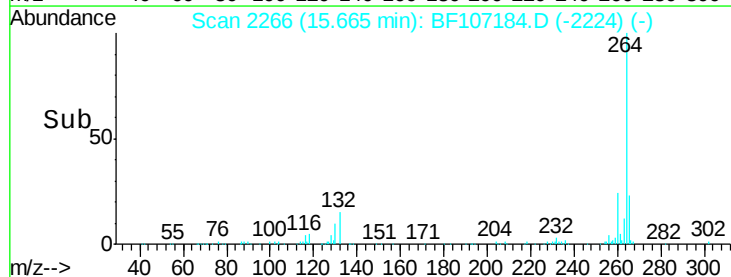
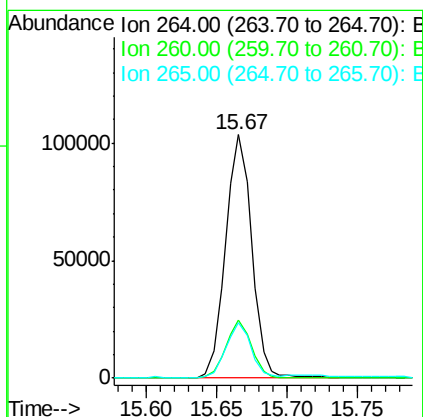
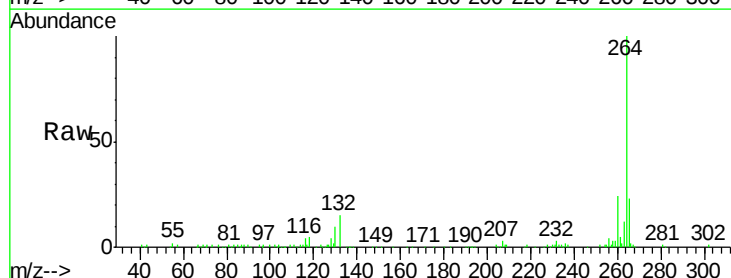
Instrument :
 BNA_F
 ClientSampled :
 TP-7-S

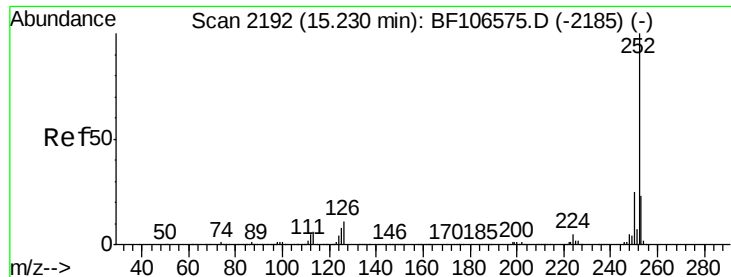
Tgt Ion:276 Resp: 39158
 Ion Ratio Lower Upper
 276 100
 138 19.4 25.0 37.6#
 277 25.5 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2266
 Delta R.T. -0.05 min
 Lab File: BF107184.D
 Acq: 6 Jul 2018 20:20

Tgt Ion:264 Resp: 134034
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 22.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 12.750 ng

RT: 15.21 min Scan# 2188

Delta R.T. -0.05 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

Instrument :

BNA_F

ClientSampleId :

TP-7-S

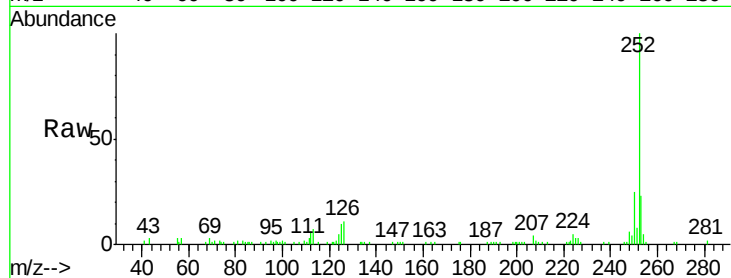
Tgt Ion:252 Resp: 106160

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

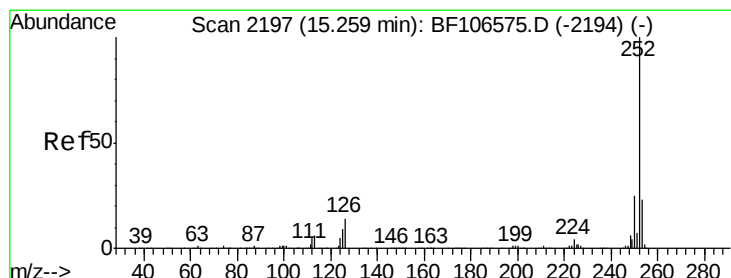
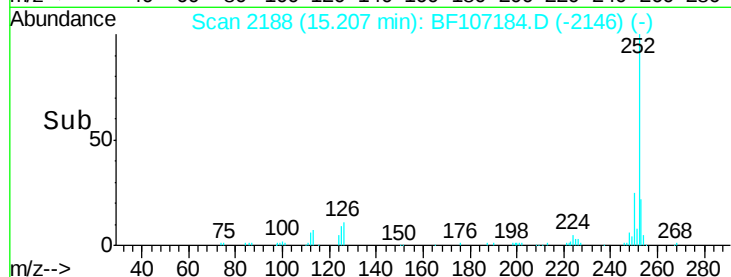
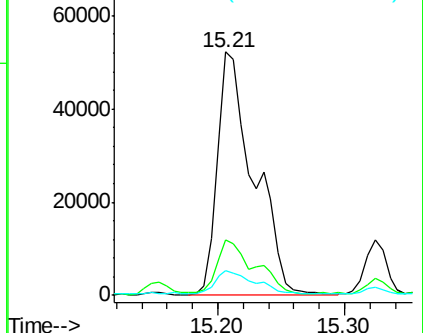
125 9.9 9.0 13.6



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: 13.389 ng

RT: 15.21 min Scan# 2188

Delta R.T. -0.09 min

Lab File: BF107184.D

Acq: 6 Jul 2018 20:20

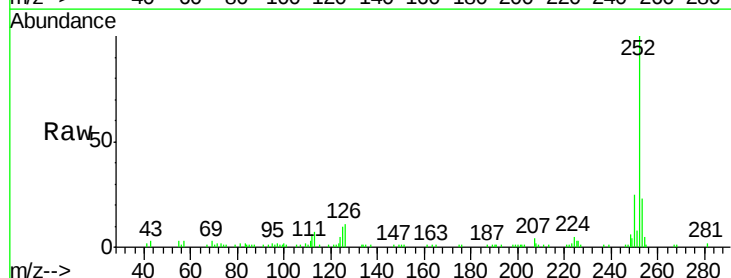
Tgt Ion:252 Resp: 106160

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

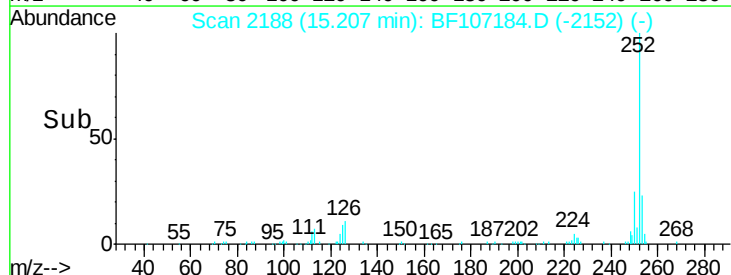
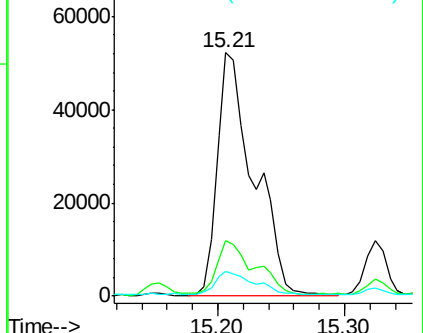
125 9.9 10.2 15.2#

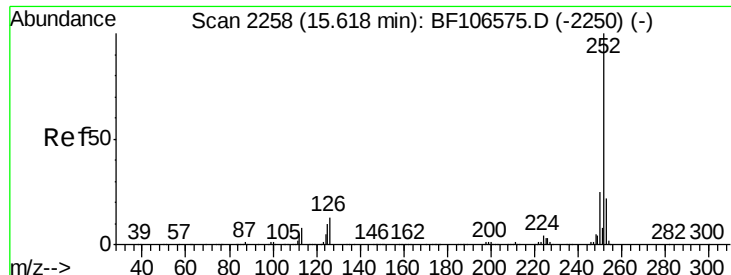


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.153 ng

RT: 15.53 min Scan# 2243

Delta R.T. -0.12 min

Lab File: BF107184.D

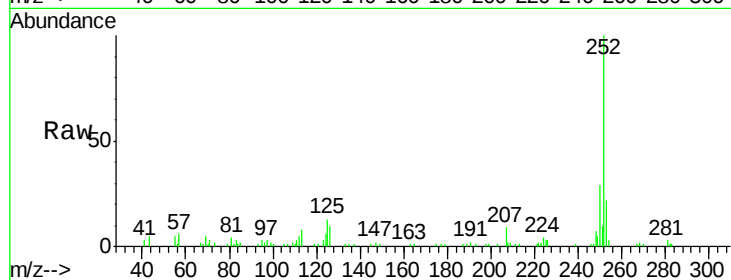
Acq: 6 Jul 2018 20:20

Instrument :

BNA_F

ClientSampleId :

TP-7-S



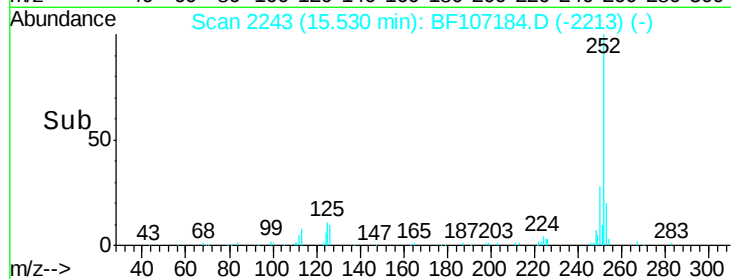
Tgt Ion:252 Resp: 38138

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 12.6 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

