

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031218\
 Data File : BF103578.D
 Acq On : 12 Mar 2018 13:33
 Operator : SJ/JU
 Sample : J1776-20
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-6FT

Quant Time: Mar 12 14:16:49 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	147824	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	636296	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	262342	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	379814	20.00	ng	0.00
75) Chrysene-d12	14.06	240	224307	20.00	ng	0.00
86) Perylene-d12	15.57	264	214217	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1007726	103.10	ng	0.00
7) Phenol-d6	6.50	99	1245095	104.11	ng	0.00
23) Nitrobenzene-d5	7.43	82	796879	71.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	177468	79.92	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1133131	71.65	ng	0.00
78) Terphenyl-d14	12.98	244	707989	75.87	ng	0.00

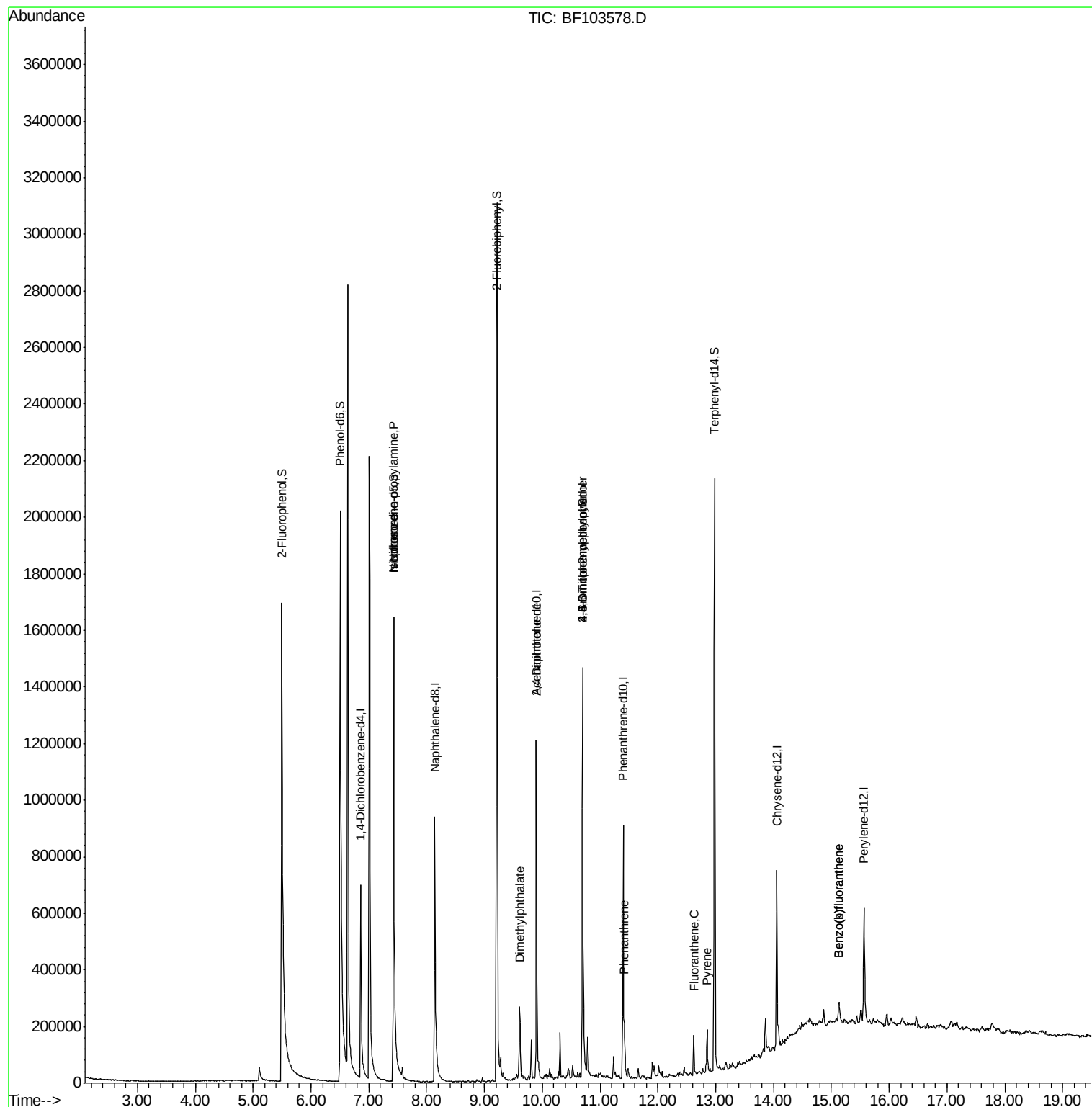
Target Compounds				Qvalue		
9) Benzaldehyde	6.50	77	2028	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	103277	13.875 ng	#	85
25) Isophorone	7.43	82	796879	36.314 ng	#	64
49) Dimethylphthalate	9.61	163	120631	5.732 ng		100
56) 2,4-Dinitrotoluene	9.90	165	33142	5.933 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	309	5.065 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	12363	3.125 ng	#	1
70) Phenanthrene	11.42	178	72994	3.492 ng		99
74) Fluoranthene	12.62	202	68171	3.246 ng		98
77) Pyrene	12.85	202	65048	3.720 ng		99
87) Benzo(b)fluoranthene	15.13	252	37078	2.633 ng	#	79
88) Benzo(k)fluoranthene	15.13	252	37078	2.796 ng	#	82

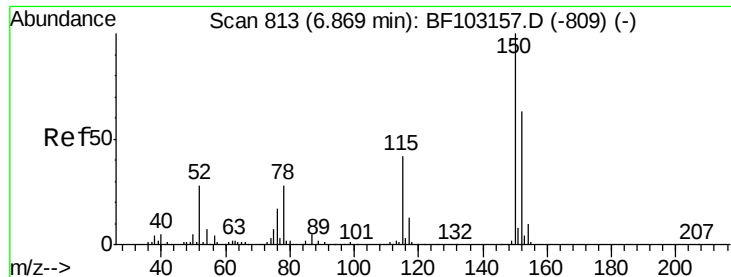
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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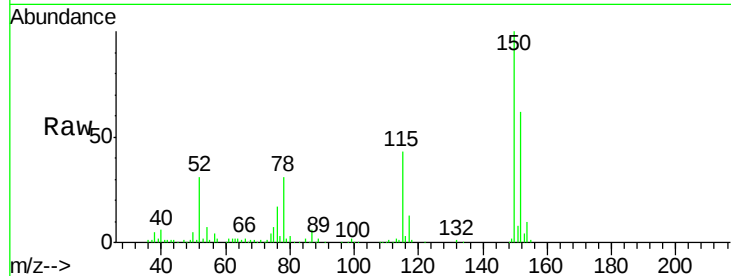


#1

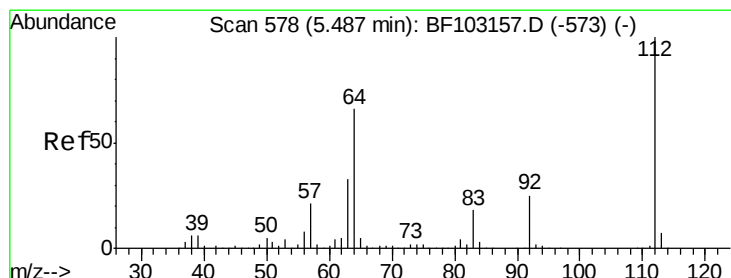
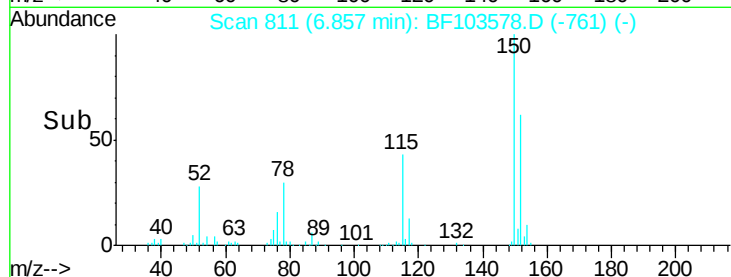
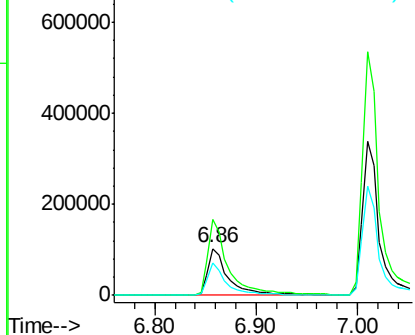
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103578.D
Acq: 12 Mar 2018 13:33

Instrument :
BNA_F
ClientSampleId :
TP-2-6FT

Tgt Ion:152 Resp: 147824
Ion Ratio Lower Upper
152 100
150 160.6 124.6 186.8
115 68.3 50.1 75.1



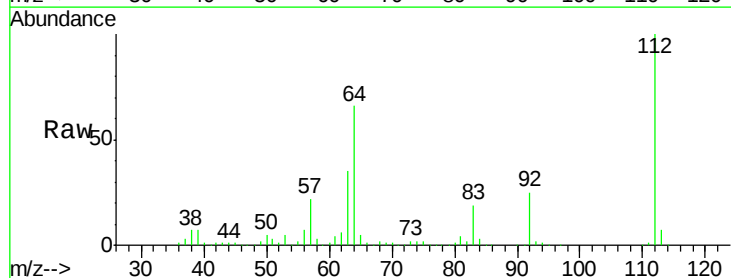
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



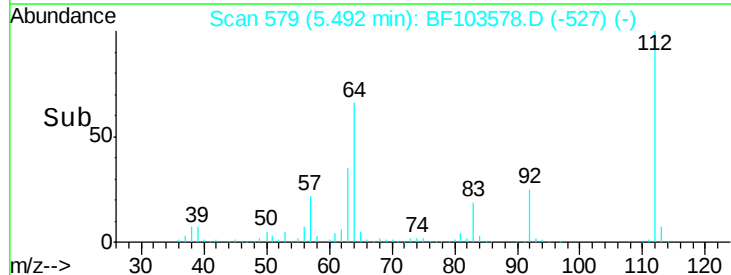
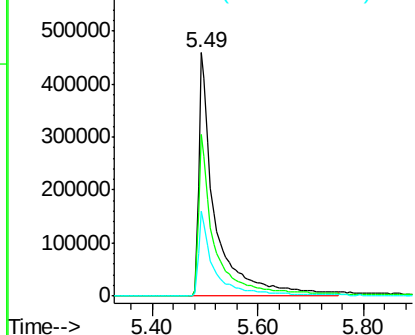
#5

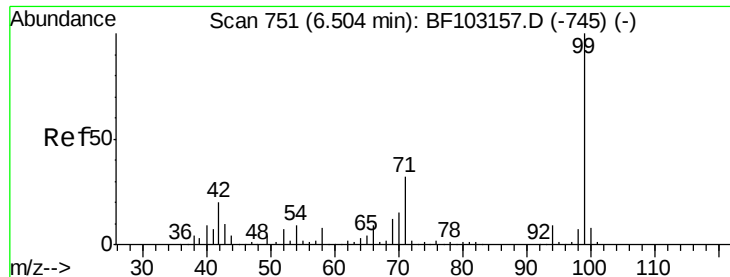
2-Fluorophenol
Concen: 103.103 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103578.D
Acq: 12 Mar 2018 13:33

Tgt Ion:112 Resp: 1007726
Ion Ratio Lower Upper
112 100
64 66.2 47.9 71.9
63 34.6 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: 104.106 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103578.D

Acq: 12 Mar 2018 13:33

Instrument :

BNA_F

ClientSampleId :

TP-2-6FT

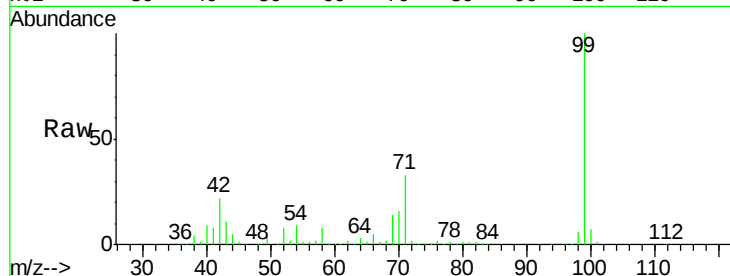
Tgt Ion: 99 Resp: 1245095

Ion Ratio Lower Upper

99 100

42 21.9 14.5 21.7#

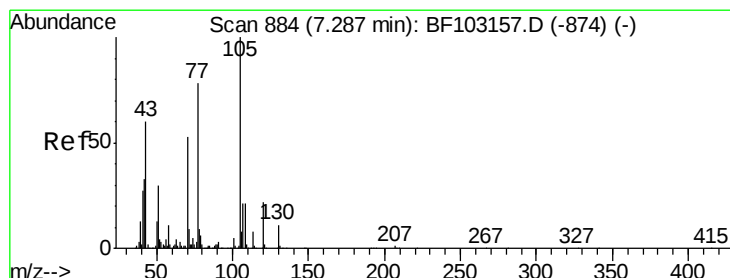
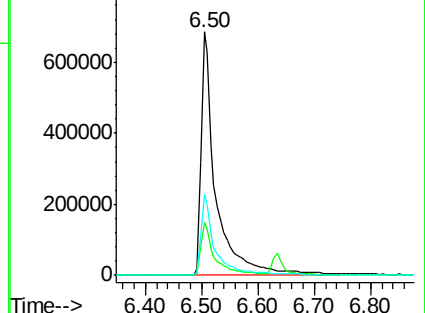
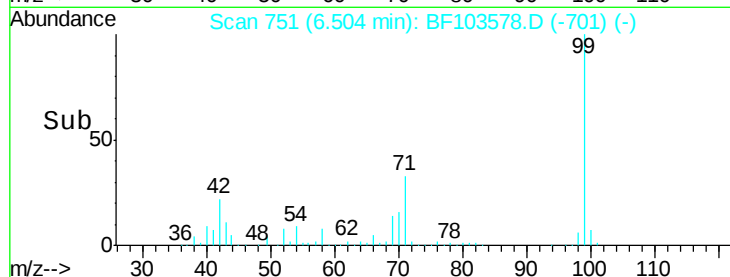
71 33.1 25.4 38.0



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: 13.875 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103578.D

Acq: 12 Mar 2018 13:33

Tgt Ion: 70 Resp: 103277

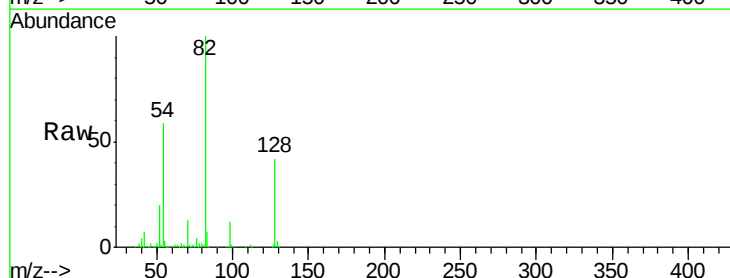
Ion Ratio Lower Upper

70 100

42 56.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

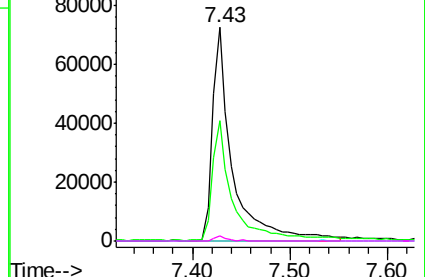
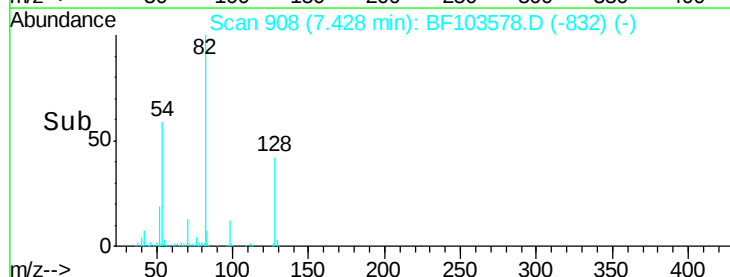


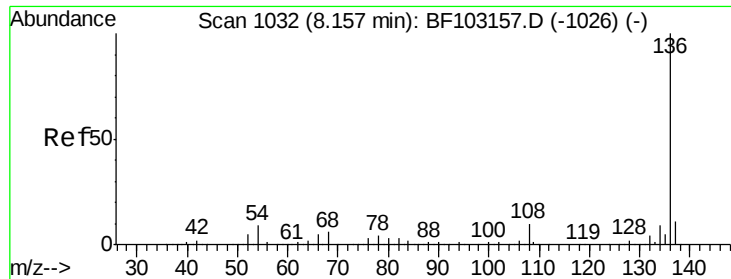
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

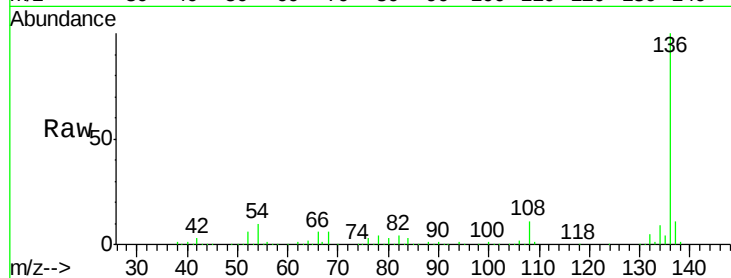




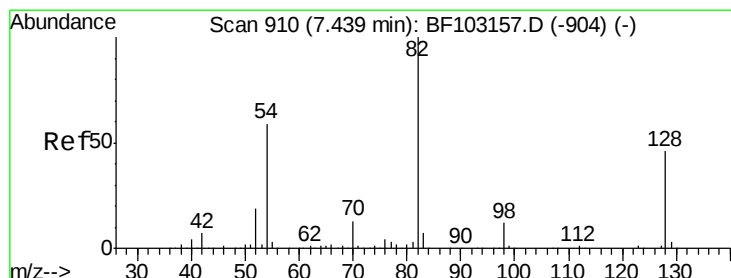
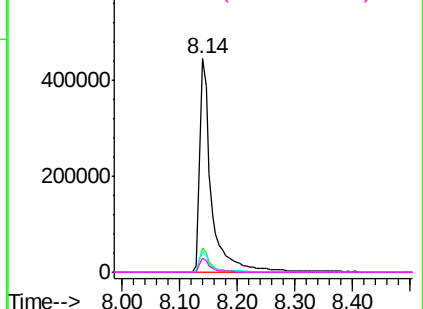
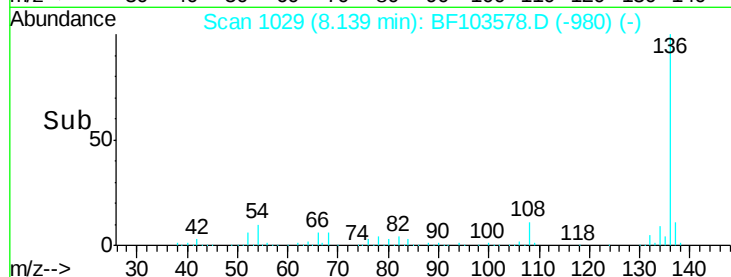
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103578.D
Acq: 12 Mar 2018 13:33

Instrument :
BNA_F
ClientSampleId :
TP-2-6FT

Tgt Ion:	136	Resp:	636296
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.8	6.6	9.8
68	6.5	5.0	7.4

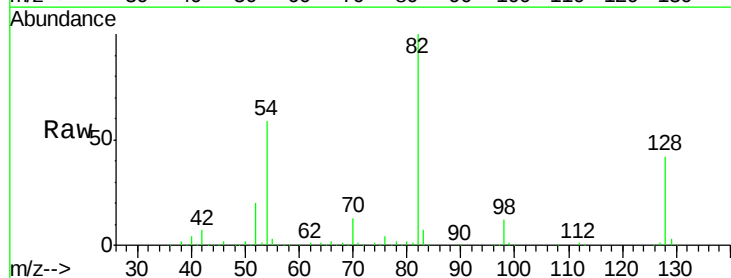


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

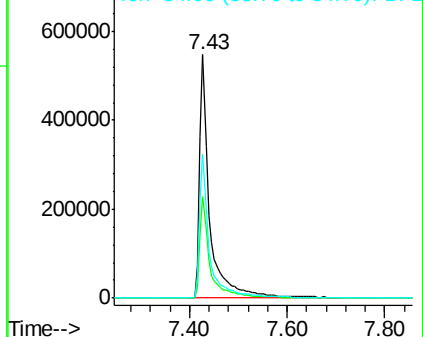
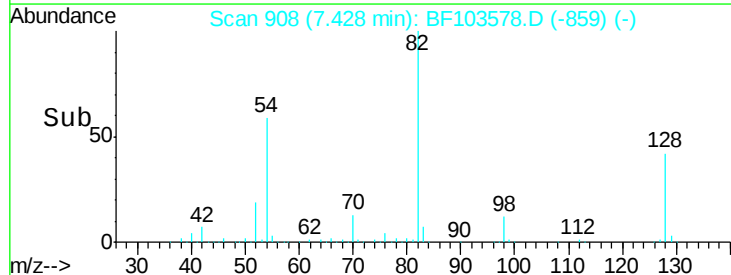


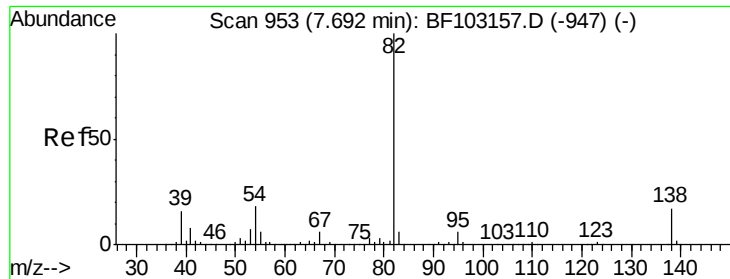
#23
Nitrobenzene-d5
Concen: 71.521 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103578.D
Acq: 12 Mar 2018 13:33

Tgt Ion:	82	Resp:	796879
Ion	Ratio	Lower	Upper
82	100		
128	41.7	36.1	54.1
54	58.9	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: 36.314 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103578.D

Acq: 12 Mar 2018 13:33

Instrument :

BNA_F

ClientSampleId :

TP-2-6FT

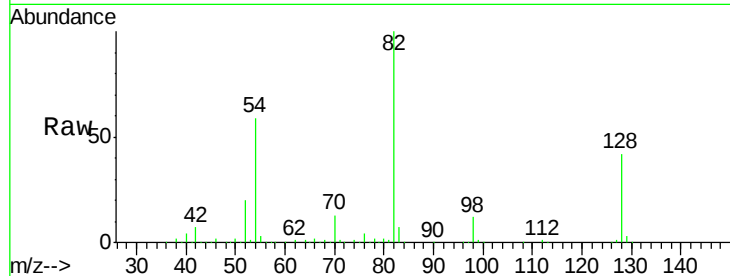
Tgt Ion: 82 Resp: 796879

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

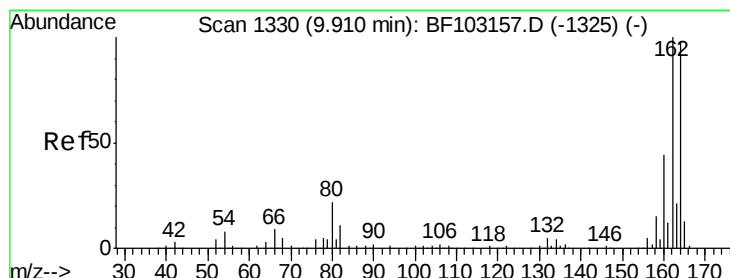
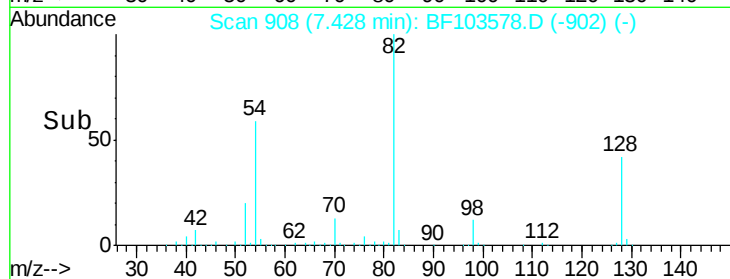
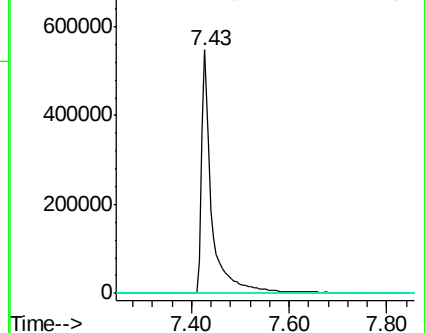
138 0.0 14.9 22.3#



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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103578.D

Acq: 12 Mar 2018 13:33

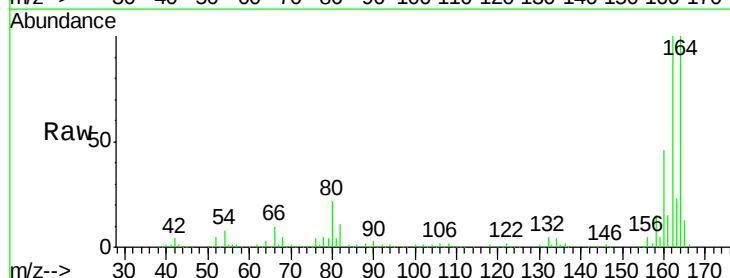
Tgt Ion: 164 Resp: 262342

Ion Ratio Lower Upper

164 100

162 100.4 86.1 129.1

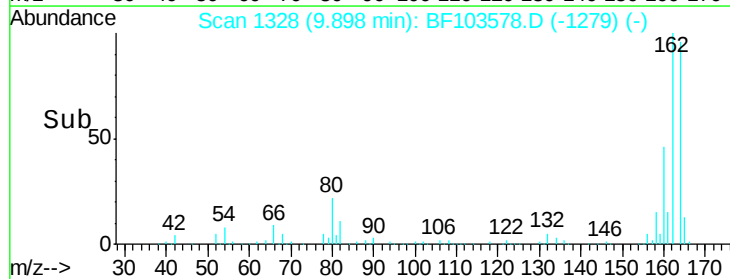
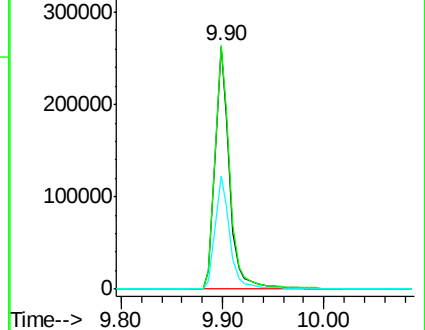
160 46.5 38.3 57.5

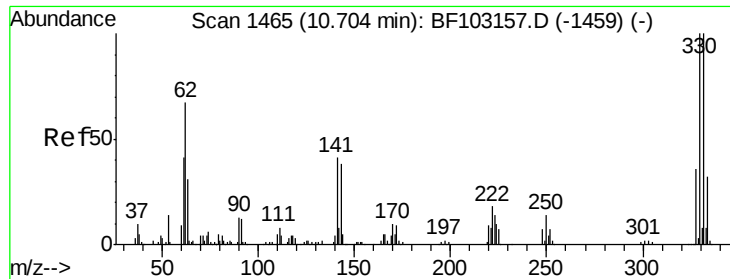


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

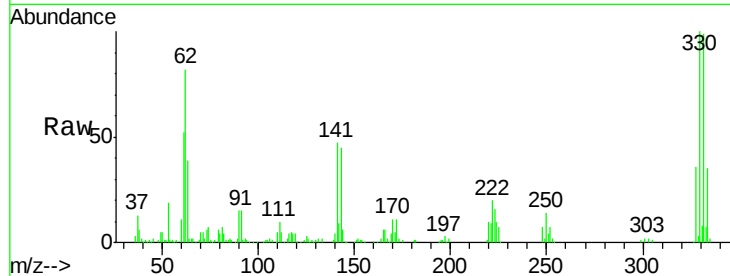




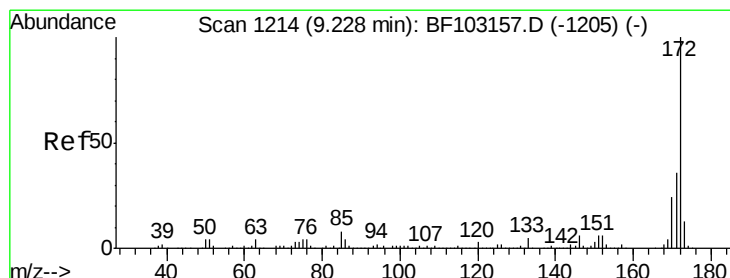
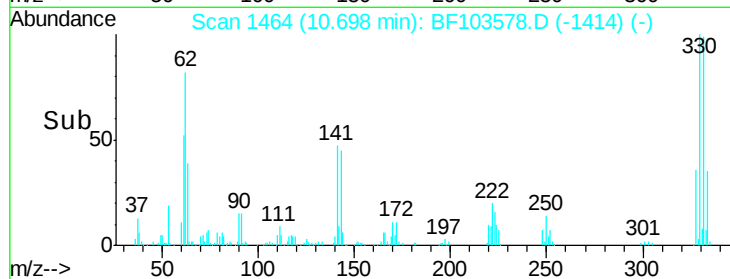
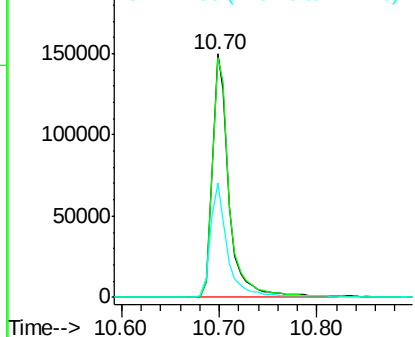
#41
 2,4,6-Tribromophenol
 Concen: 79.920 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103578.D
 Acq: 12 Mar 2018 13:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-6FT

Tgt Ion: 330 Resp: 177468
 Ion Ratio Lower Upper
 330 100
 332 101.9 77.0 115.6
 141 47.4 29.9 44.9#

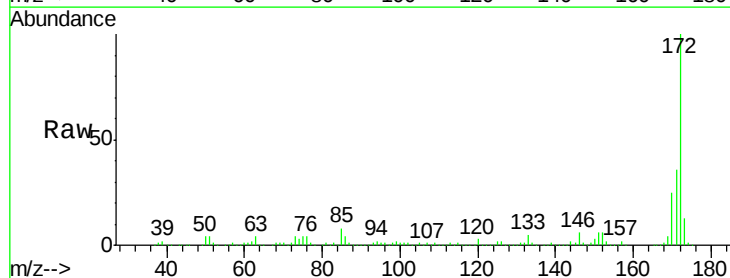


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

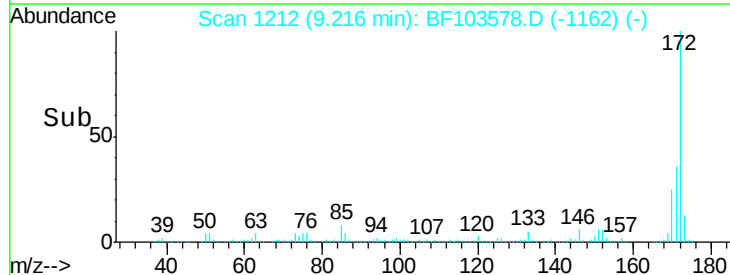
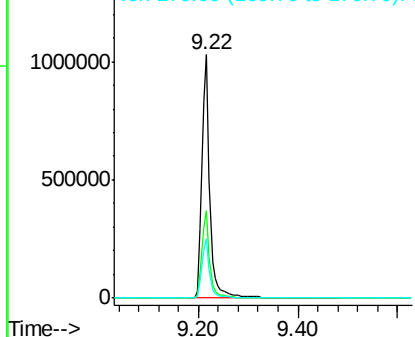


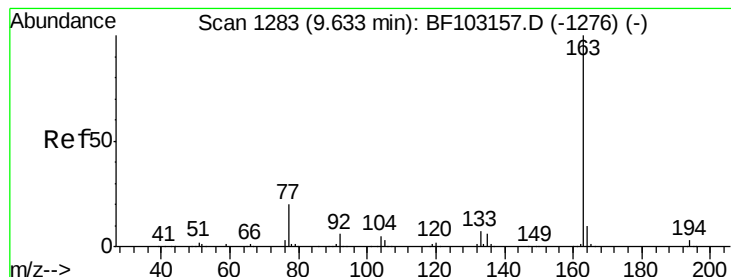
#44
 2-Fluorobiphenyl
 Concen: 71.648 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103578.D
 Acq: 12 Mar 2018 13:33

Tgt Ion: 172 Resp: 1133131
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.6 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: 5.732 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF103578.D

Acq: 12 Mar 2018 13:33

Instrument :

BNA_F

ClientSampleId :

TP-2-6FT

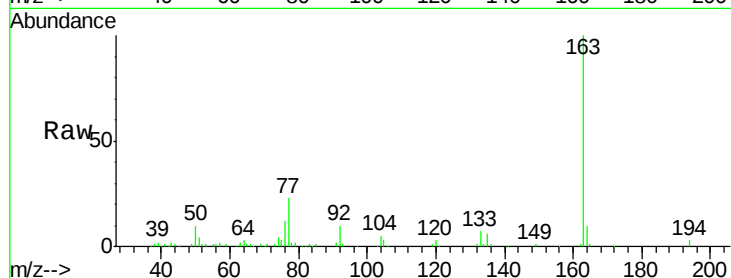
Tgt Ion:163 Resp: 120631

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

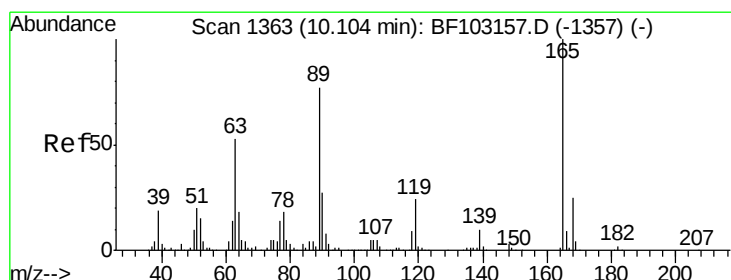
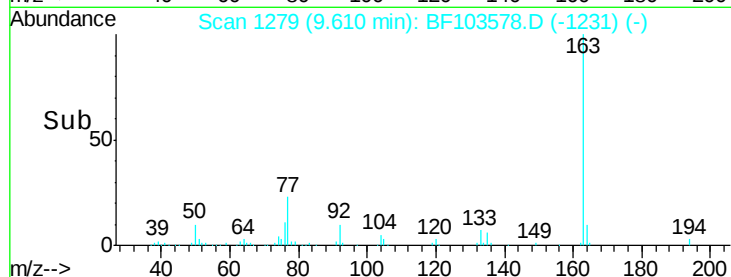
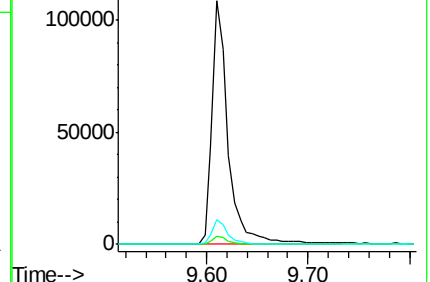
164 10.1 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.933 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.22 min

Lab File: BF103578.D

Acq: 12 Mar 2018 13:33

Tgt Ion:165 Resp: 33142

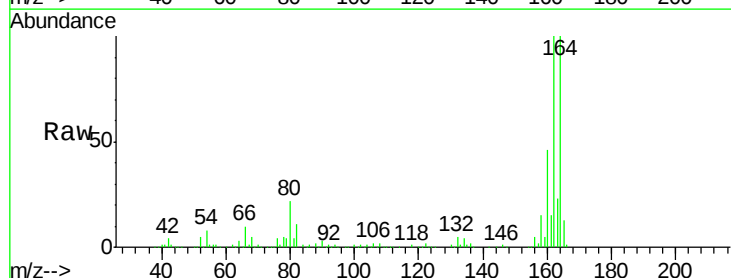
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

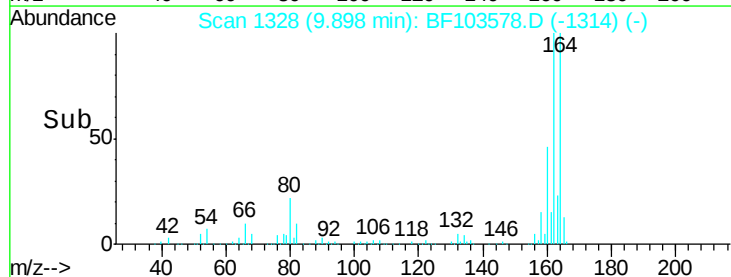
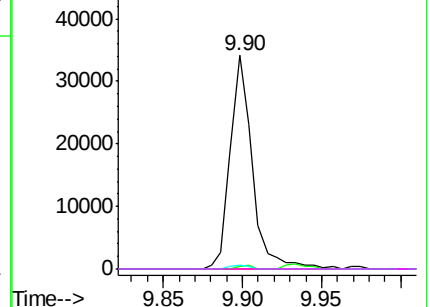


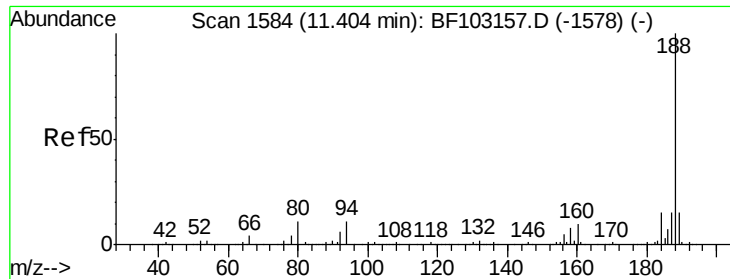
Abundance Ion 165.00 (164.70 to 165.70): E

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

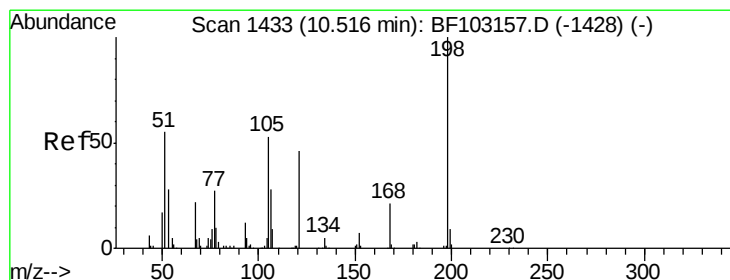
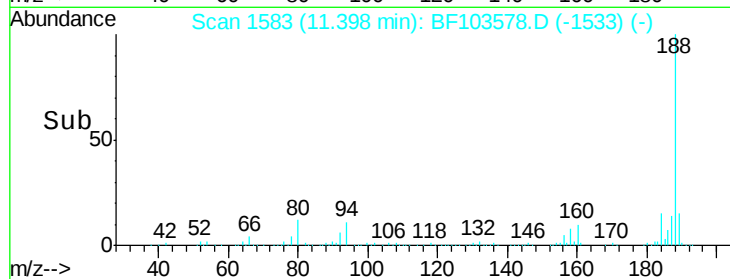
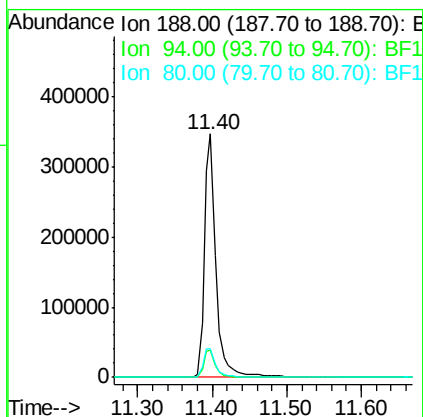
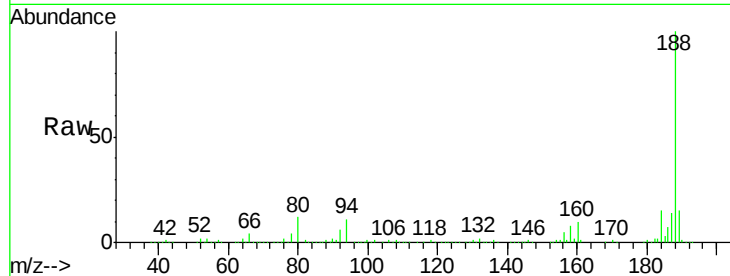




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103578.D
 Acq: 12 Mar 2018 13:33

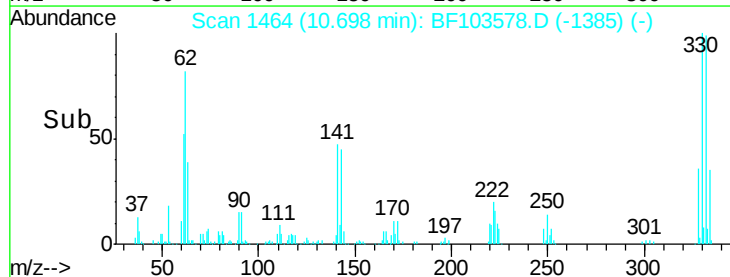
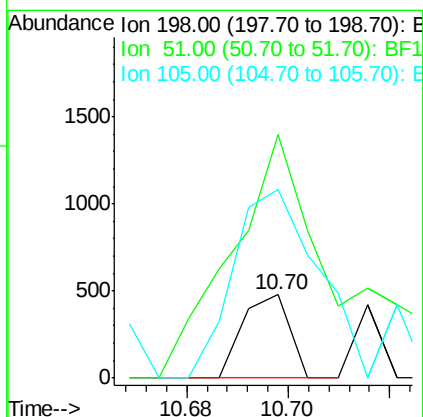
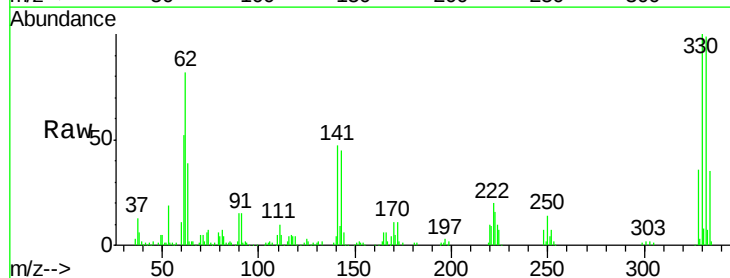
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-6FT

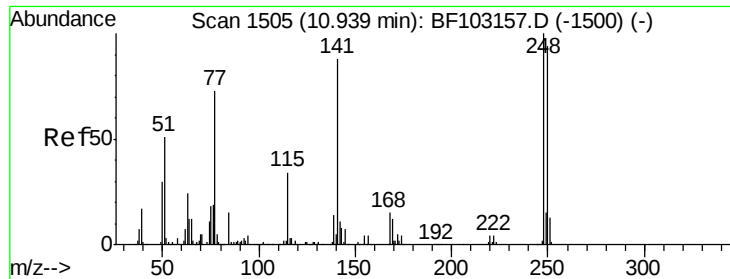
Tgt Ion:188 Resp: 379814
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 11.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.065 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.16 min
 Lab File: BF103578.D
 Acq: 12 Mar 2018 13:33

Tgt Ion:198 Resp: 309
 Ion Ratio Lower Upper
 198 100
 51 293.1 37.7 77.7#
 105 226.6 36.3 76.3#

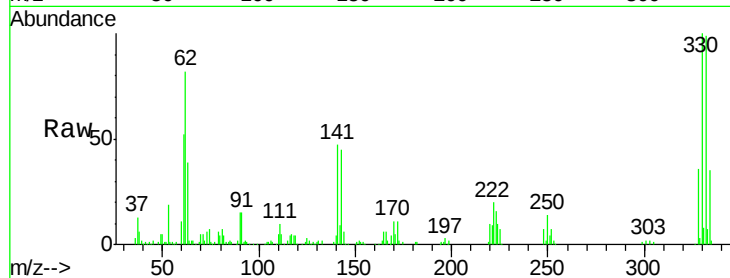




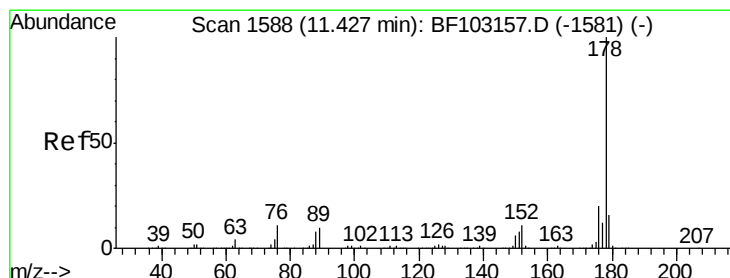
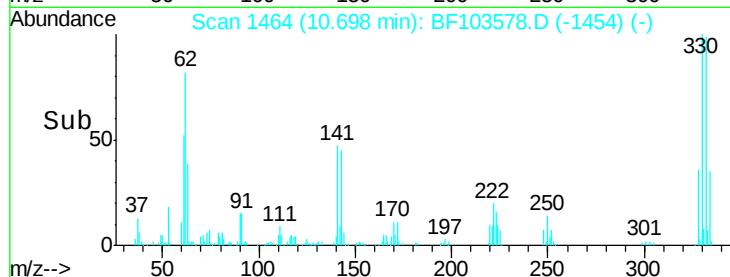
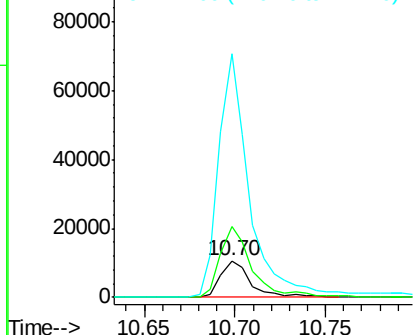
#66
4-Bromophenyl-phenylether
Concen: 3.125 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103578.D
Acq: 12 Mar 2018 13:33

Instrument :
BNA_F
ClientSampled :
TP-2-6FT

Tgt Ion:248 Resp: 12363
Ion Ratio Lower Upper
248 100
250 193.3 76.9 115.3#
141 664.5 74.4 111.6#

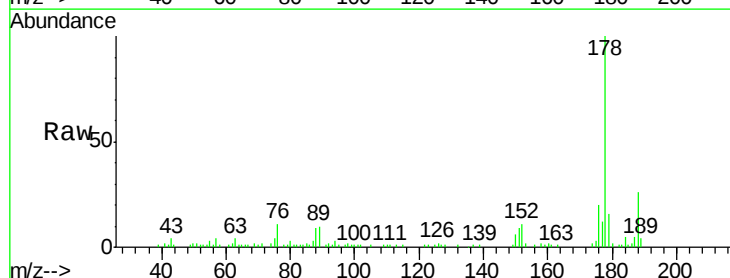


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

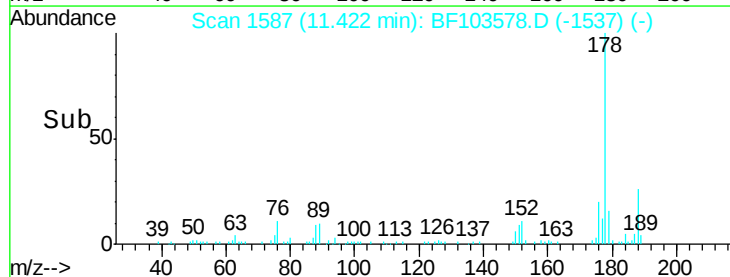
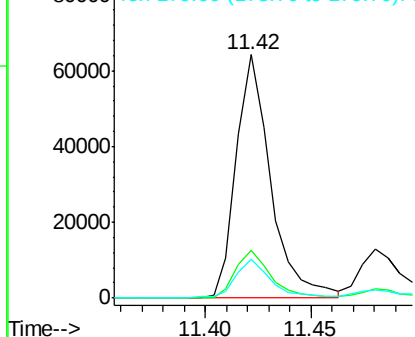


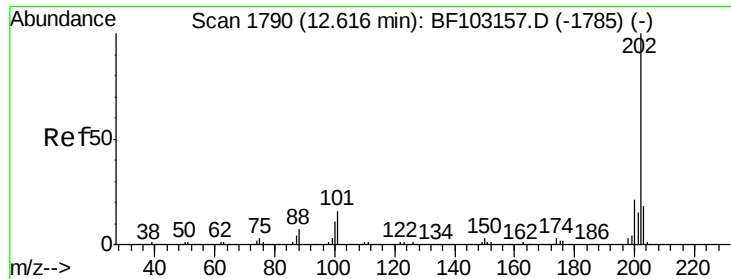
#70
Phenanthrene
Concen: 3.492 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103578.D
Acq: 12 Mar 2018 13:33

Tgt Ion:178 Resp: 72994
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 16.1 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: 3.246 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103578.D

Acq: 12 Mar 2018 13:33

Instrument :

BNA_F

ClientSampleId :

TP-2-6FT

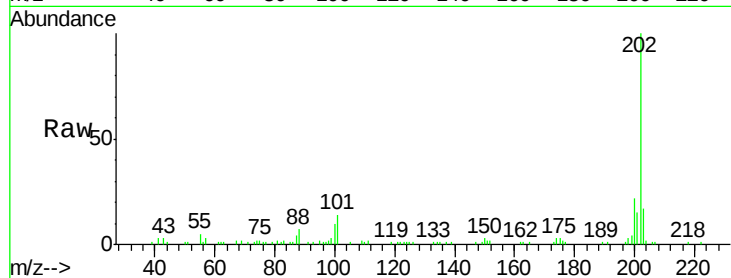
Tgt Ion:202 Resp: 68171

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

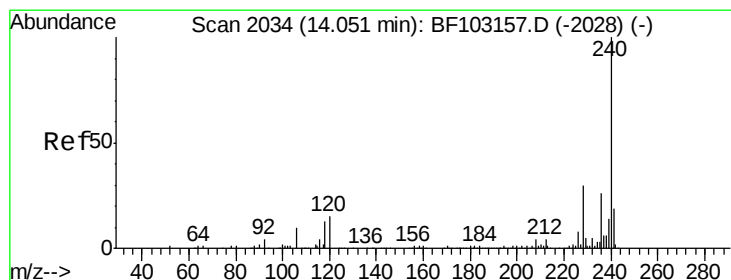
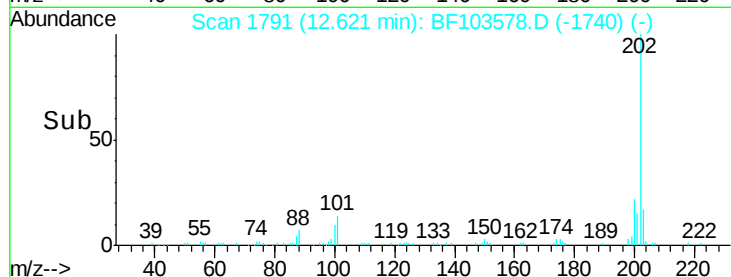
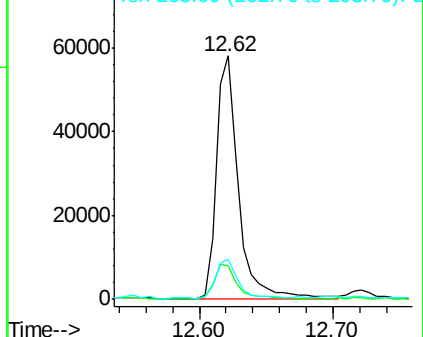
203 16.6 0.0 38.1



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103578.D

Acq: 12 Mar 2018 13:33

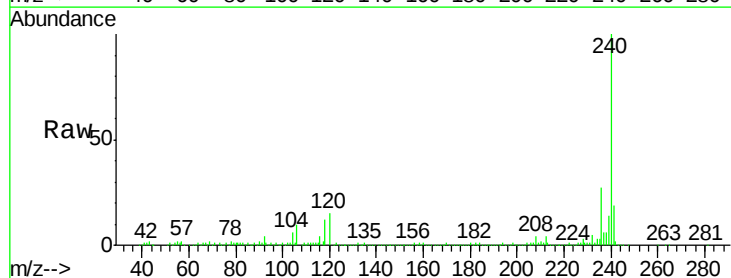
Tgt Ion:240 Resp: 224307

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

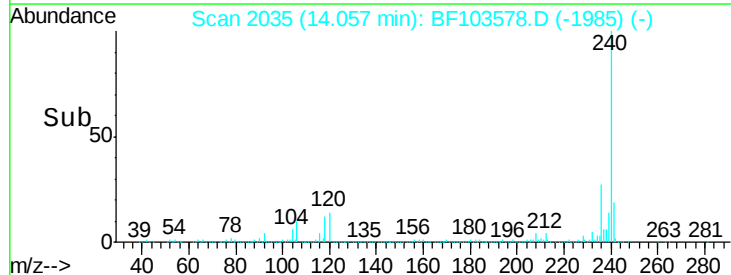
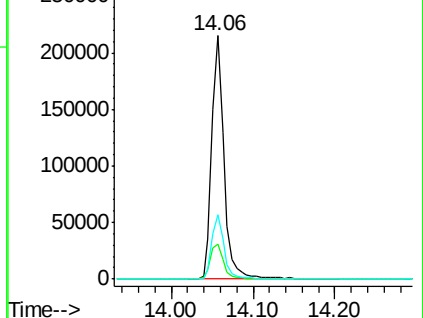
236 26.7 20.7 31.1

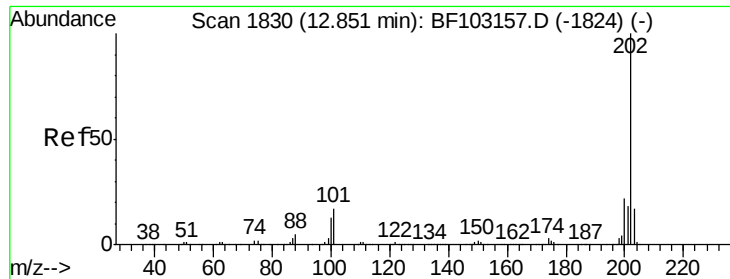


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

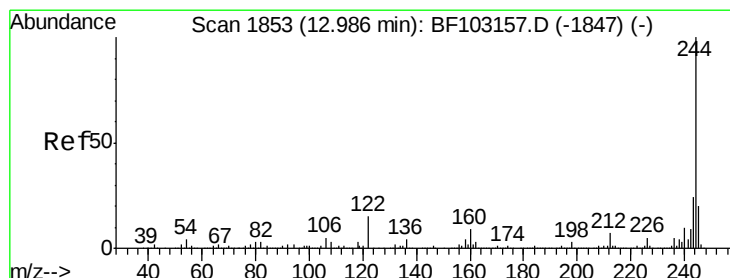
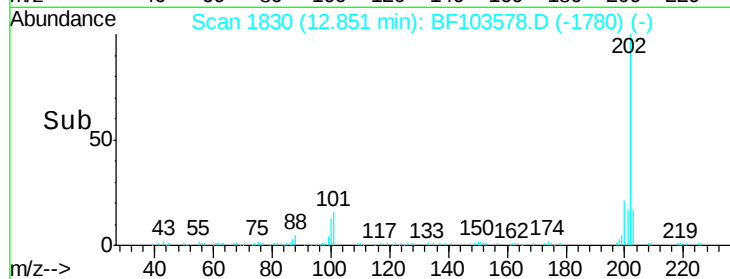
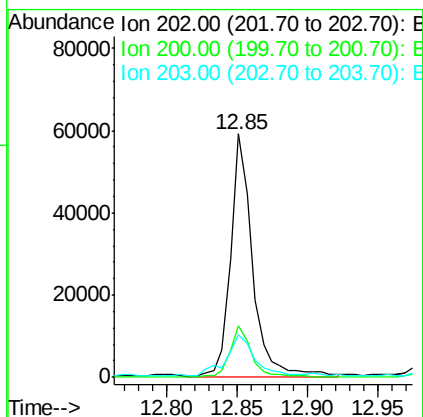
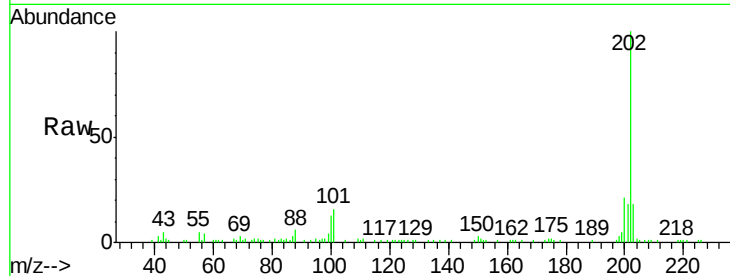




#77
 Pyrene
 Concen: 3.720 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF103578.D
 Acq: 12 Mar 2018 13:33

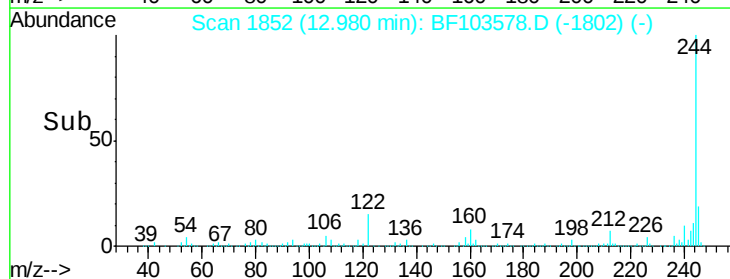
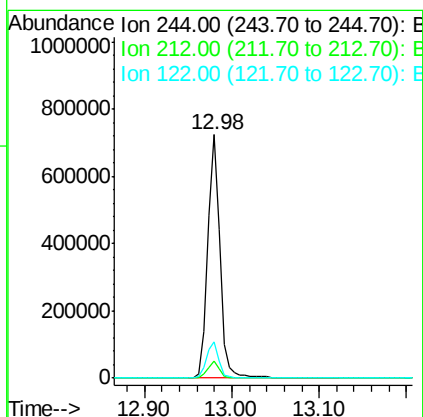
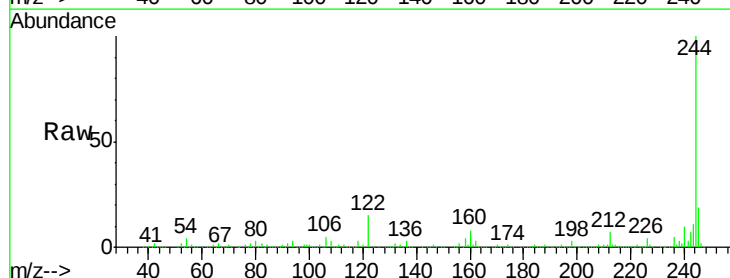
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-6FT

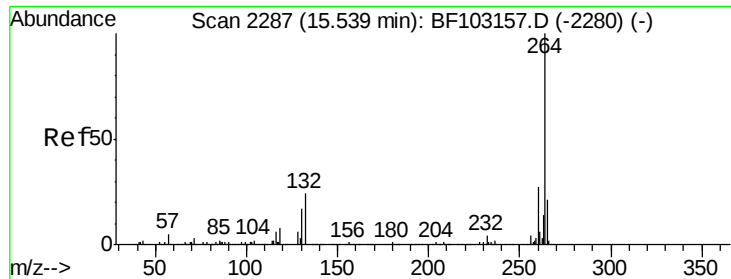
Tgt Ion: 202 Resp: 65048
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.4 26.2
 203 17.7 14.3 21.5



#78
 Terphenyl-d14
 Concen: 75.874 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF103578.D
 Acq: 12 Mar 2018 13:33

Tgt Ion: 244 Resp: 707989
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 15.0 11.0 16.4



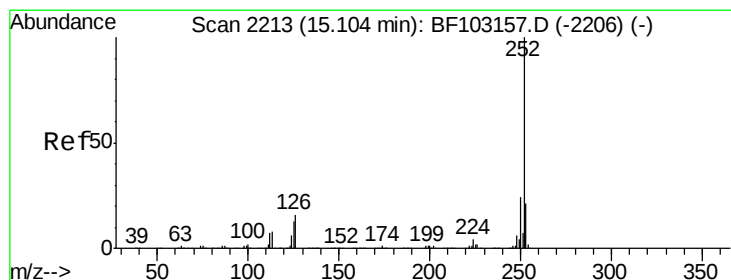
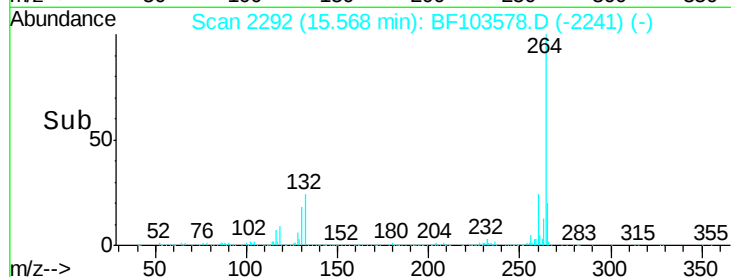
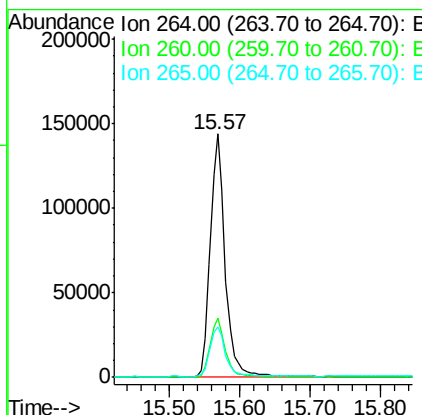
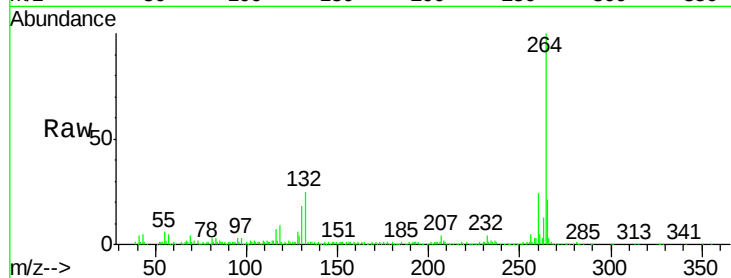


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103578.D
Acq: 12 Mar 2018 13:33

Instrument :
BNA_F
ClientSampleId :
TP-2-6FT

Tgt Ion: 264 Resp: 214217

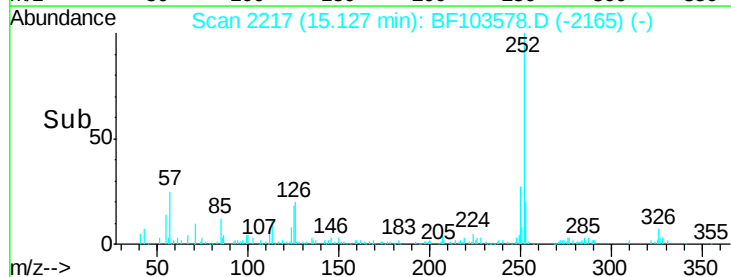
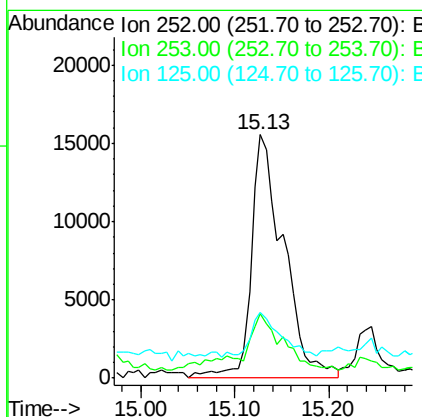
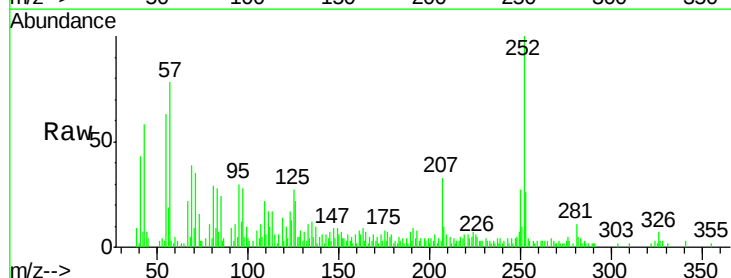
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.7	17.5	26.3

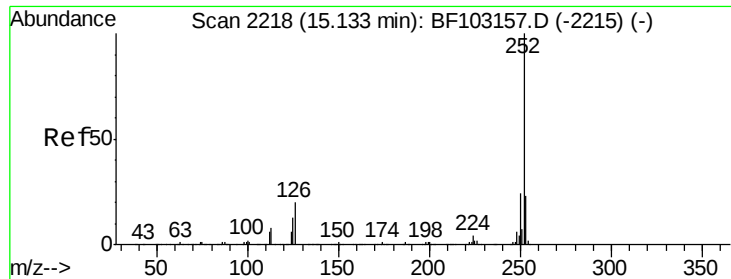


#87
Benzo(b)fluoranthene
Concen: 2.633 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103578.D
Acq: 12 Mar 2018 13:33

Tgt Ion: 252 Resp: 37078

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.0	25.6#
125	26.9	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.796 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BF103578.D

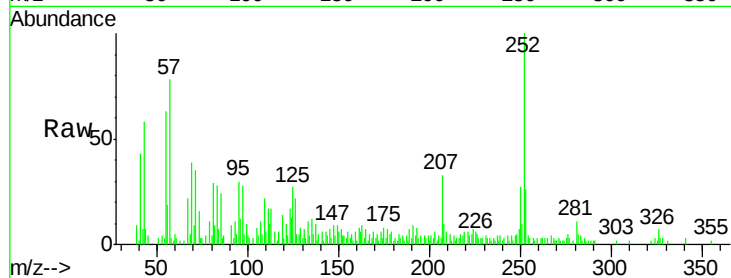
Acq: 12 Mar 2018 13:33

Instrument :

BNA_F

ClientSampleId :

TP-2-6FT



Tgt Ion:	252	Resp:	37078
Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	26.9	10.2	15.2#

