

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031218\
 Data File : BF103579.D
 Acq On : 12 Mar 2018 13:59
 Operator : SJ/JU
 Sample : J1876-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-08-10

Quant Time: Mar 12 15:07:35 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	141804	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	577727	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	240044	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	352701	20.00	ng	0.00
75) Chrysene-d12	14.06	240	216606	20.00	ng	0.00
86) Perylene-d12	15.57	264	203928	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	178033	18.99	ng	0.02
7) Phenol-d6	6.50	99	1116215	97.29	ng	0.00
23) Nitrobenzene-d5	7.43	82	767845	75.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	13325	6.56	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1071453	74.68	ng	0.00
78) Terphenyl-d14	12.98	244	637570	70.76	ng	0.00

Target Compounds

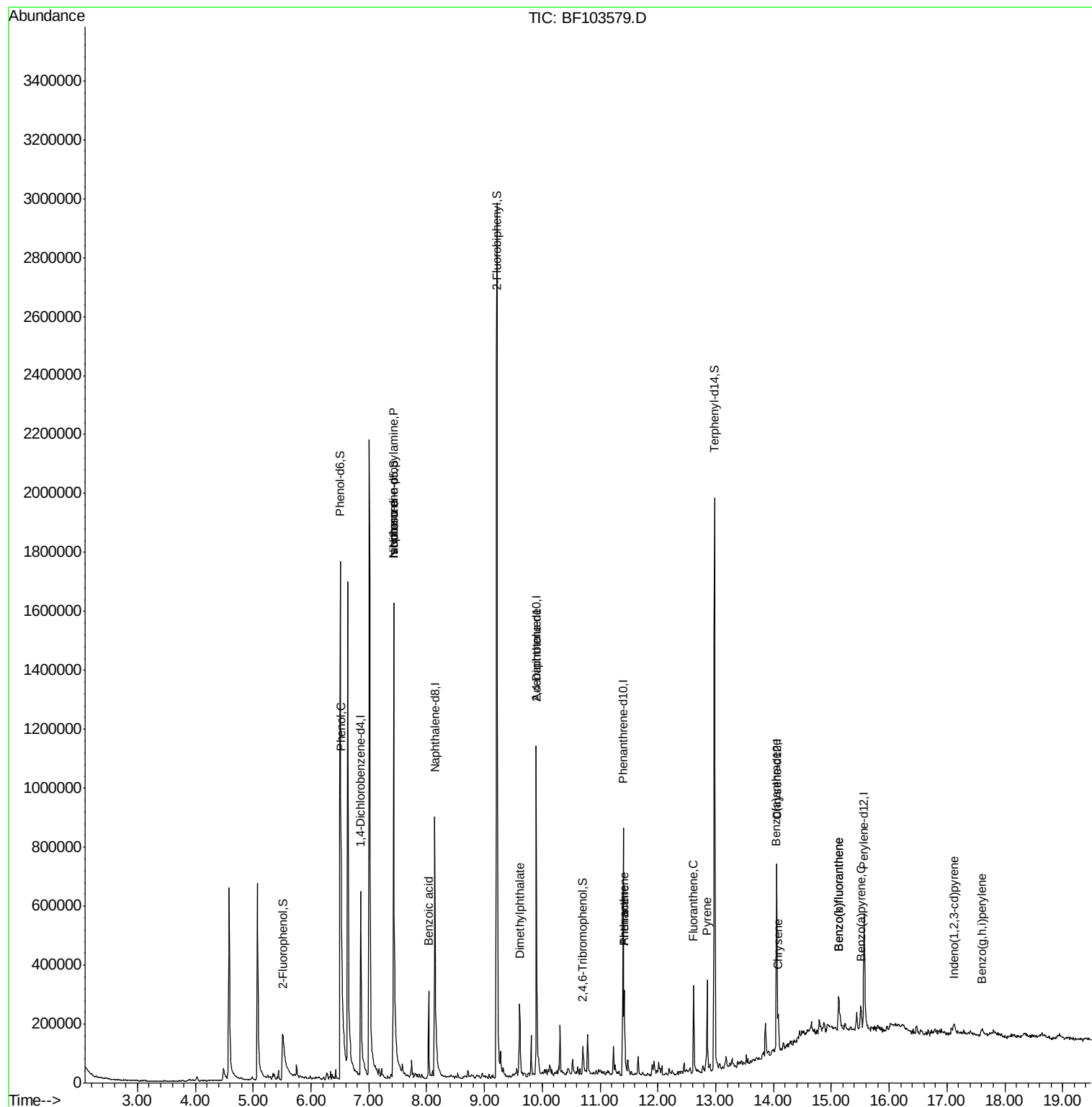
						Qvalue
9) Benzaldehyde	6.51	77	4431	Below Cal	#	42
10) Phenol	6.52	94	31127	2.337 ng	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	100167	14.028 ng	#	82
25) Isophorone	7.43	82	767845	38.538 ng	#	64
32) Benzoic acid	8.03	122	1035	7.063 ng	#	1
49) Dimethylphthalate	9.61	163	110472	5.737 ng		100
56) 2,4-Dinitrotoluene	9.90	165	30793	6.025 ng	#	24
70) Phenanthrene	11.42	178	107896	5.559 ng		98
71) Anthracene	11.42	178	107896	5.421 ng		99
74) Fluoranthene	12.62	202	132733	6.805 ng		96
77) Pyrene	12.85	202	122699	7.265 ng		97
80) Benzo(a)anthracene	14.04	228	49795	3.543 ng		97
82) Chrysene	14.09	228	44447	3.257 ng		97
85) Indeno(1,2,3-cd)pyrene	17.13	276	23047	2.133 ng		93
87) Benzo(b)fluoranthene	15.13	252	76765	5.725 ng	#	92
88) Benzo(k)fluoranthene	15.13	252	76765	6.080 ng	#	93
89) Benzo(a)pyrene	15.51	252	41482	3.465 ng	#	86
91) Benzo(g,h,i)perylene	17.60	276	21062	2.329 ng	#	83

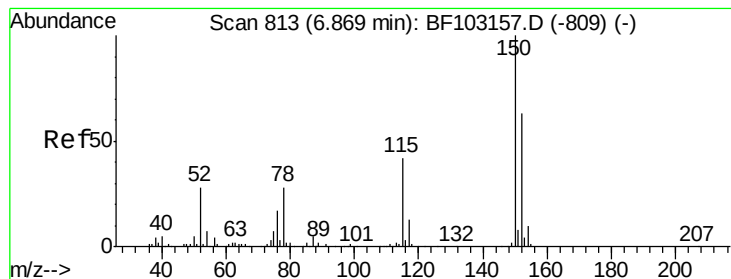
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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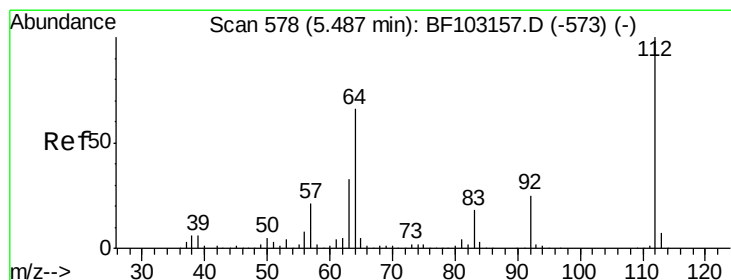
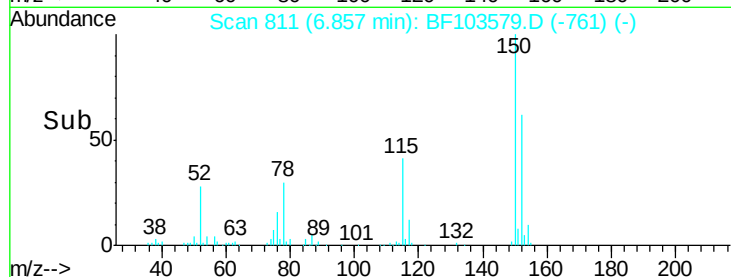
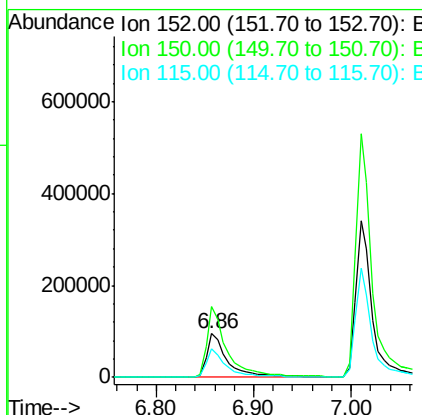
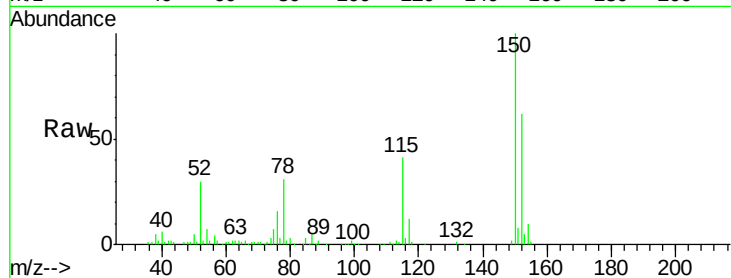


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Instrument :
BNA_F
ClientSampleId :
SB-07-08-10

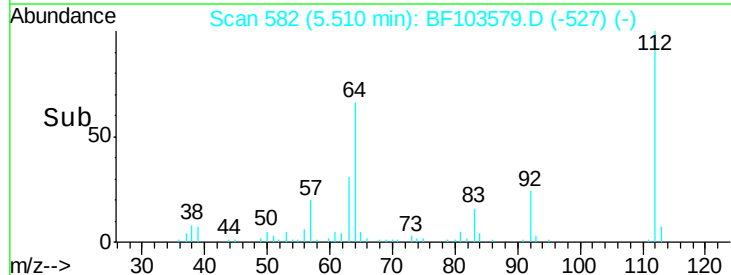
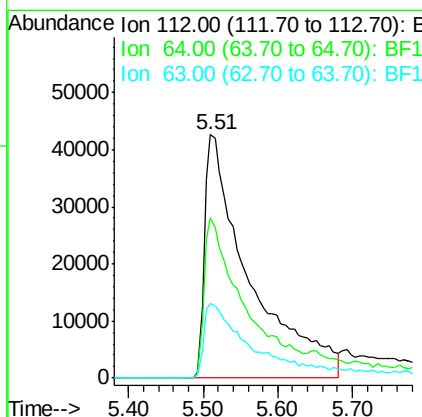
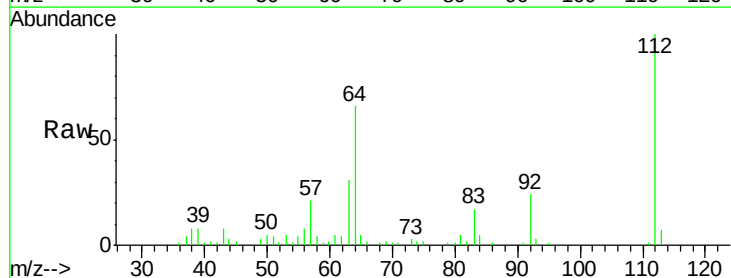
Tgt Ion:152 Resp: 141804
Ion Ratio Lower Upper
152 100
150 161.3 124.6 186.8
115 66.6 50.1 75.1

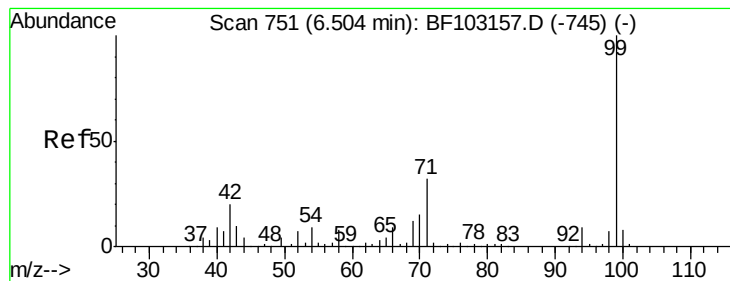


#5

2-Fluorophenol
Concen: 18.988 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Tgt Ion:112 Resp: 178033
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 30.7 23.7 35.5





#7

Phenol-d6

Concen: 97.292 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103579.D

Acq: 12 Mar 2018 13:59

Instrument :

BNA_F

ClientSampleId :

SB-07-08-10

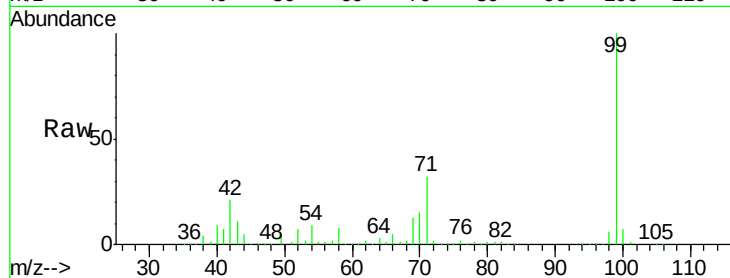
Tgt Ion: 99 Resp: 1116215

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

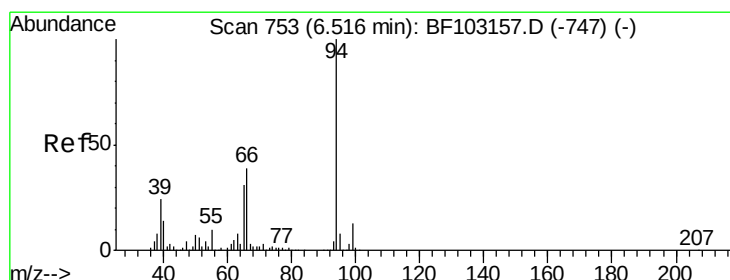
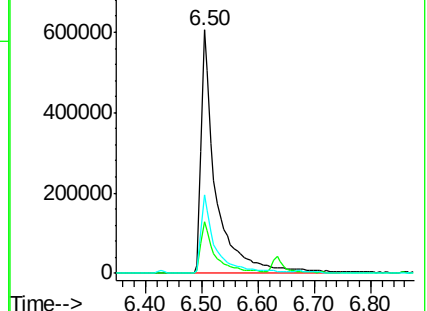
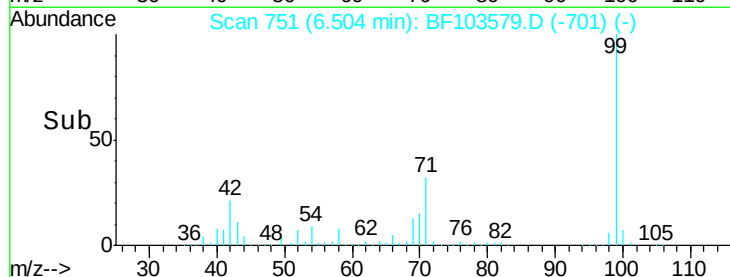
71 32.4 25.4 38.0



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



#10

Phenol

Concen: 2.337 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF103579.D

Acq: 12 Mar 2018 13:59

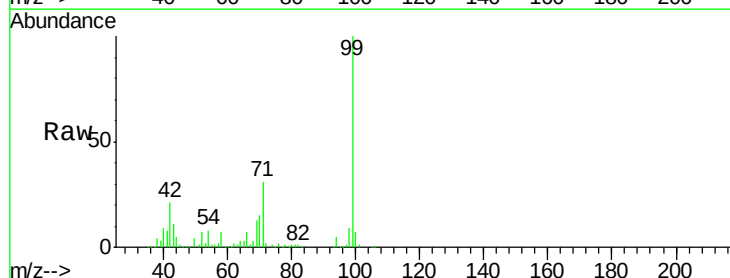
Tgt Ion: 94 Resp: 31127

Ion Ratio Lower Upper

94 100

65 51.3 7.9 47.9#

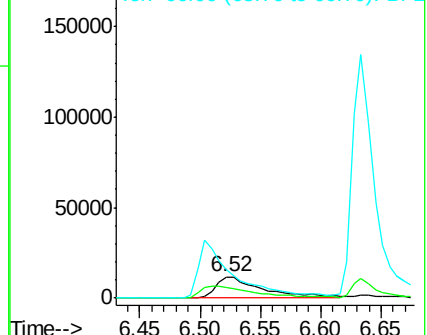
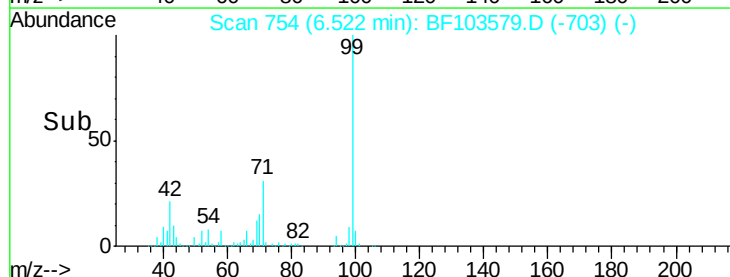
66 133.4 16.2 56.2#

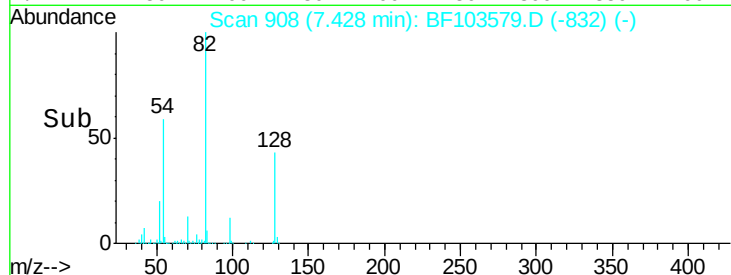
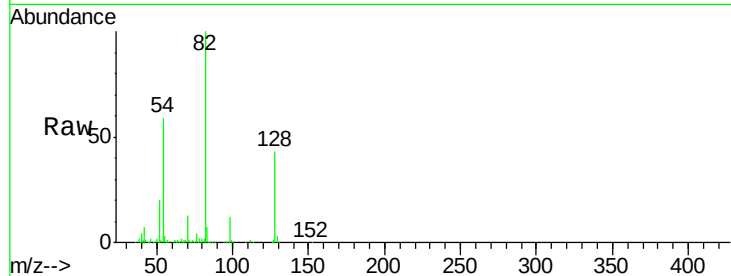
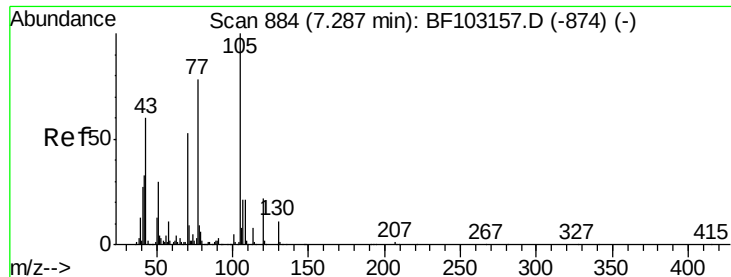


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

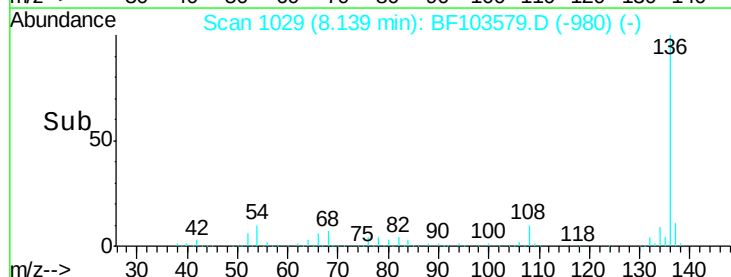
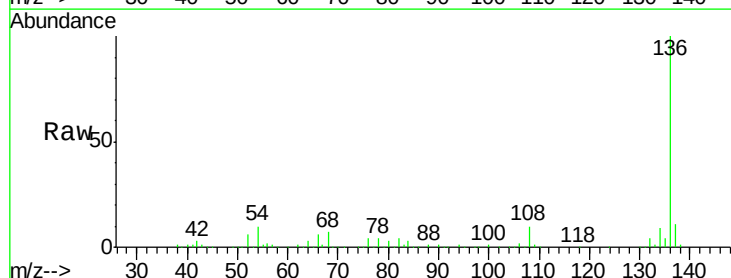
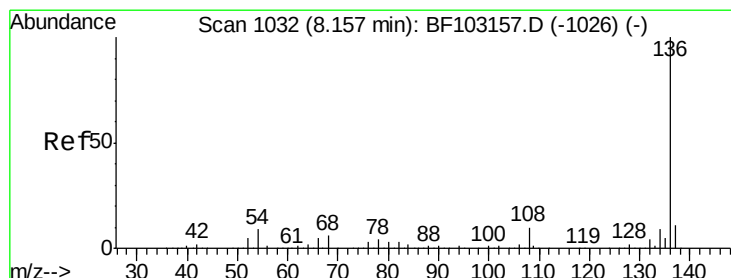
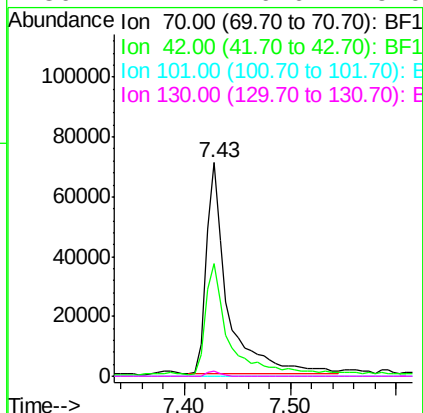




#19
n-Nitroso-di-n-propylamine
Concen: 14.028 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.15 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

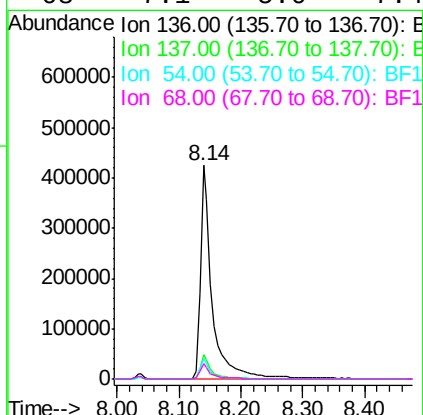
Instrument :
BNA_F
ClientSampleId :
SB-07-08-10

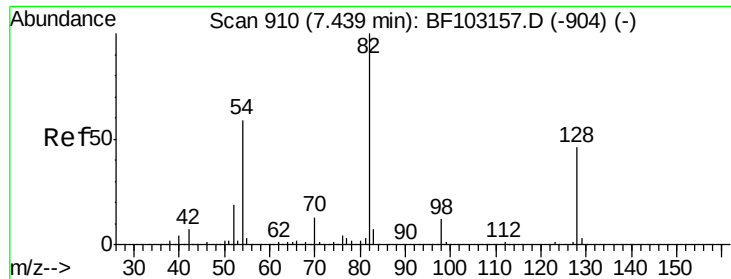
Tgt Ion: 70 Resp: 100167
Ion Ratio Lower Upper
70 100
42 52.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Tgt Ion: 136 Resp: 577727
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 9.7 6.6 9.8
68 7.1 5.0 7.4

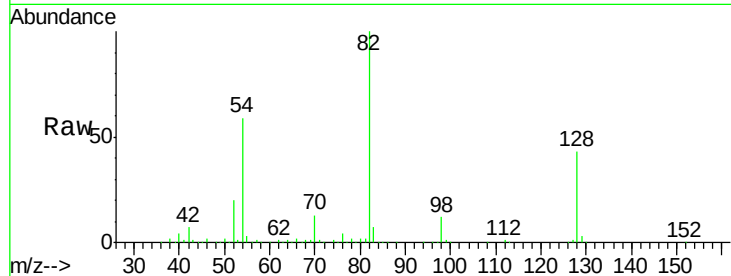




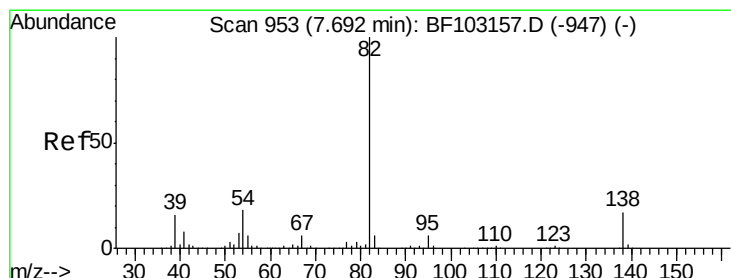
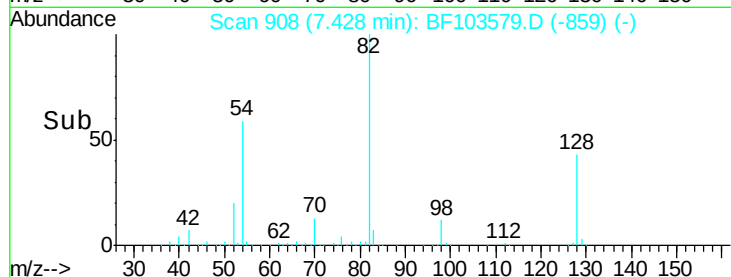
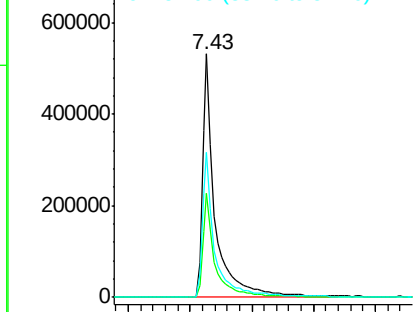
#23
Nitrobenzene-d5
Concen: 75.902 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Instrument :
BNA_F
ClientSampleId :
SB-07-08-10

Tgt Ion: 82 Resp: 767845
Ion Ratio Lower Upper
82 100
128 42.8 36.1 54.1
54 59.5 41.4 62.2

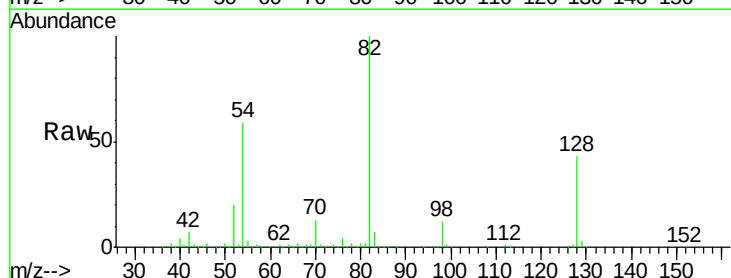


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

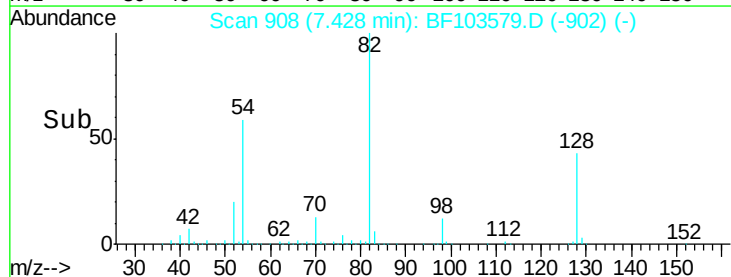
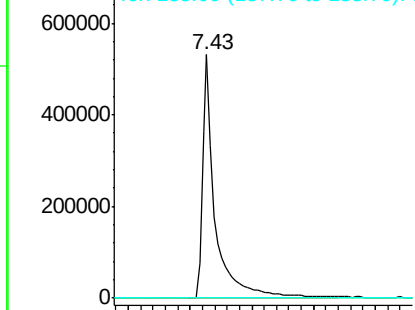


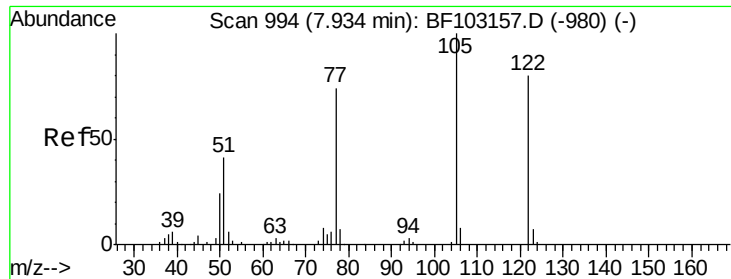
#25
Isophorone
Concen: 38.538 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Tgt Ion: 82 Resp: 767845
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

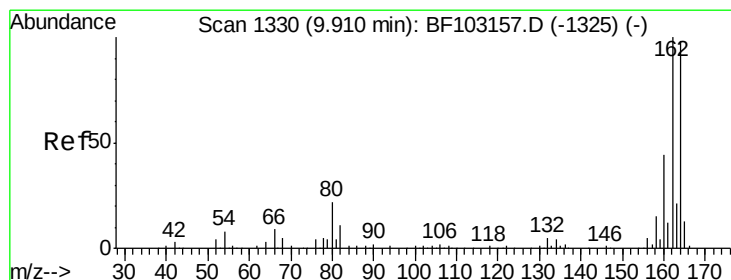
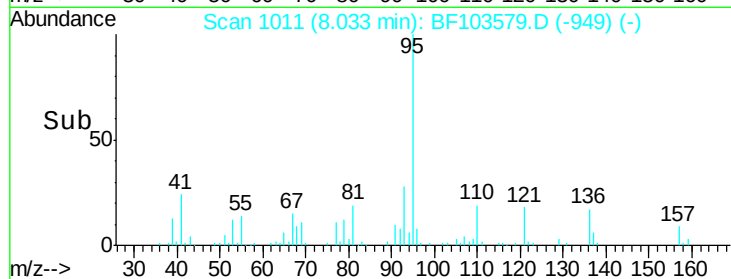
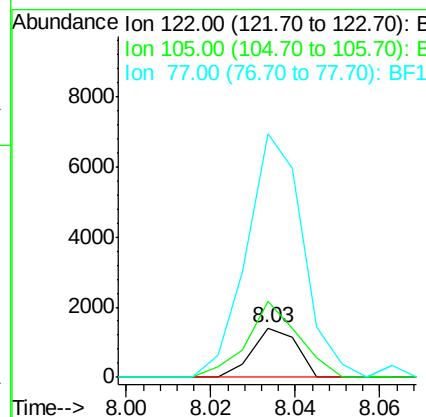
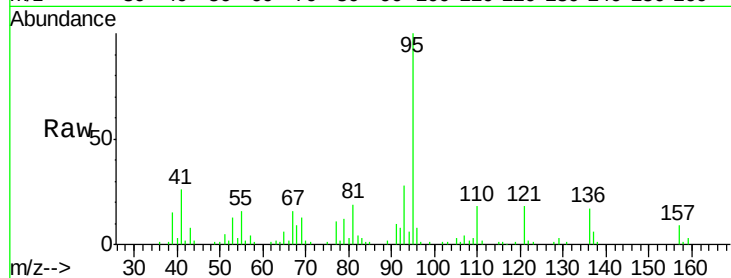




#32
Benzoic acid
Concen: 7.063 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.06 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

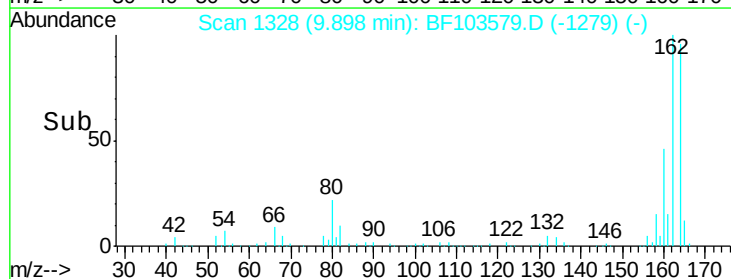
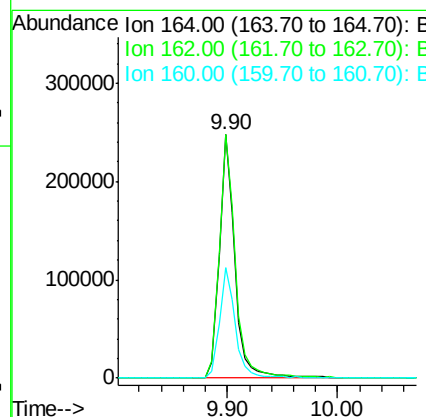
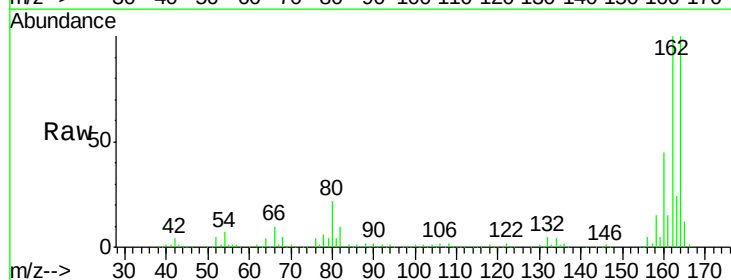
Instrument :
BNA_F
ClientSampleId :
SB-07-08-10

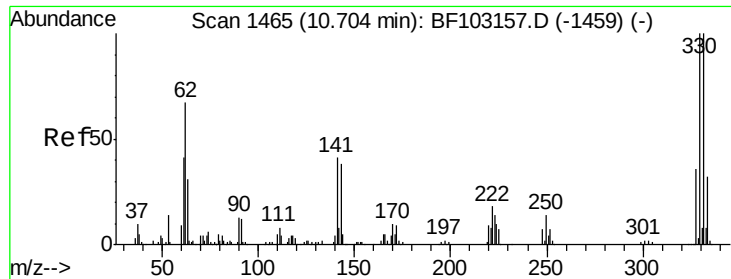
Tgt Ion:122 Resp: 1035
Ion Ratio Lower Upper
122 100
105 153.6 101.1 141.1#
77 496.4 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Tgt Ion:164 Resp: 240044
Ion Ratio Lower Upper
164 100
162 100.1 86.1 129.1
160 45.5 38.3 57.5

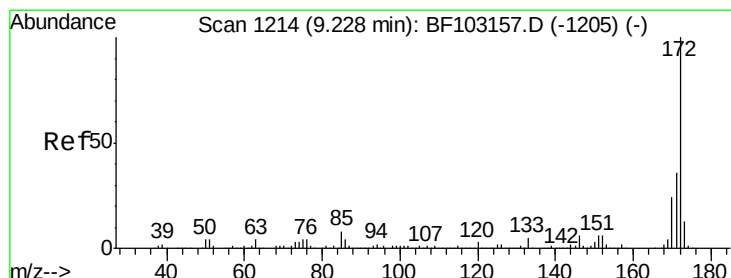
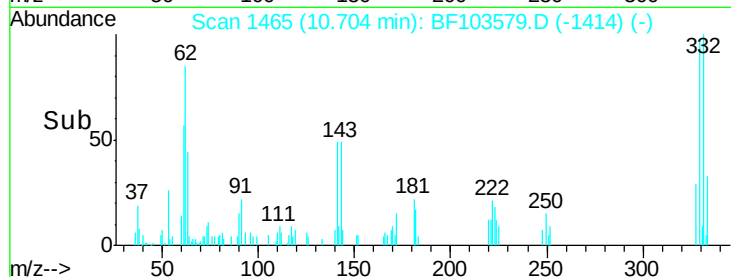
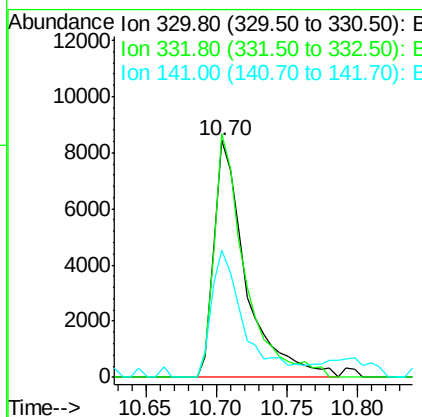
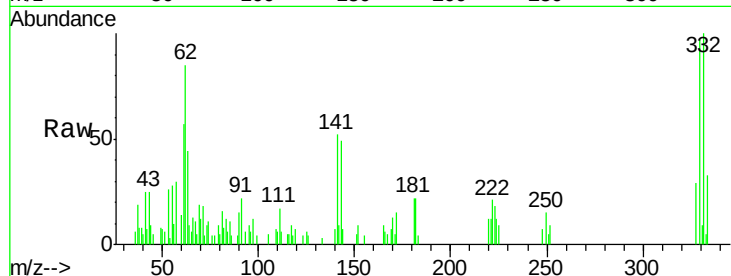




#41
 2,4,6-Tribromophenol
 Concen: 6.558 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103579.D
 Acq: 12 Mar 2018 13:59

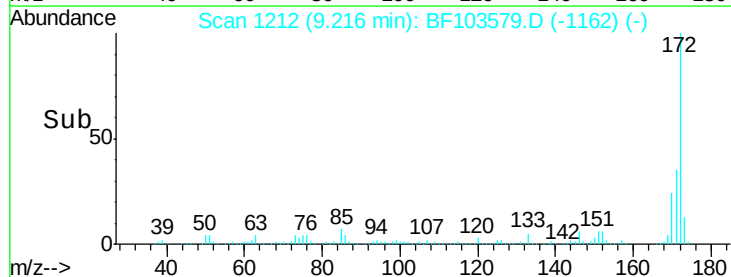
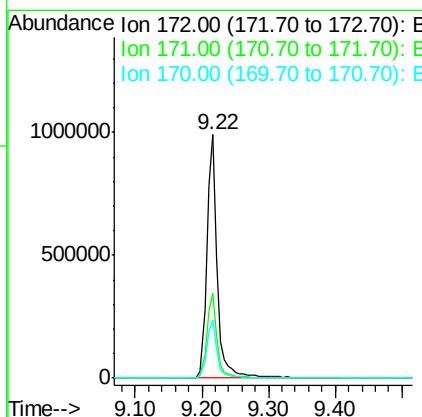
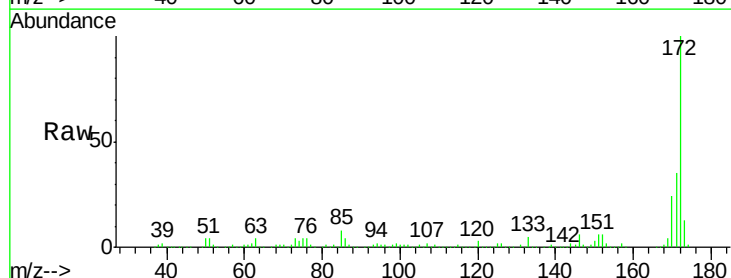
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 BNA_F
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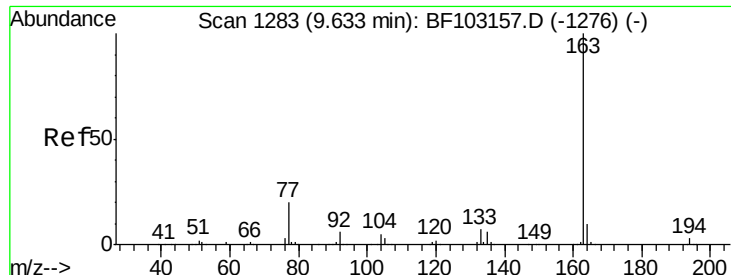
Tgt Ion: 330 Resp: 13325
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.0 115.6
 141 55.4 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 74.684 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103579.D
 Acq: 12 Mar 2018 13:59

Tgt Ion: 172 Resp: 1071453
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 23.9 19.6 29.4

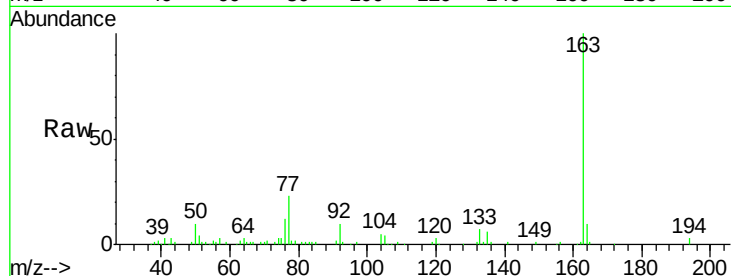




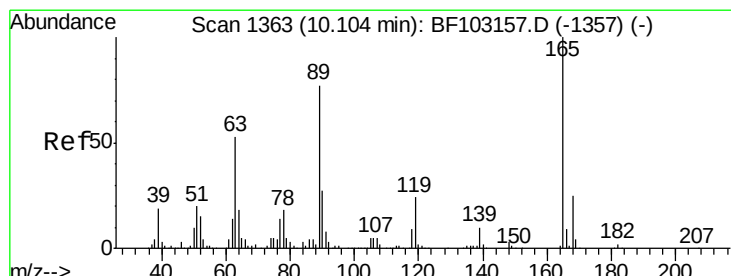
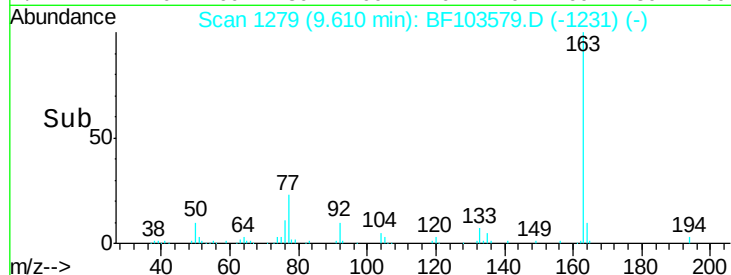
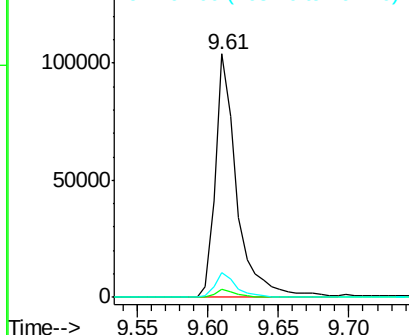
#49
Dimethylphthalate
Concen: 5.737 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Instrument :
BNA_F
ClientSampled :
SB-07-08-10

Tgt Ion:163 Resp: 110472
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.2 8.2 12.2

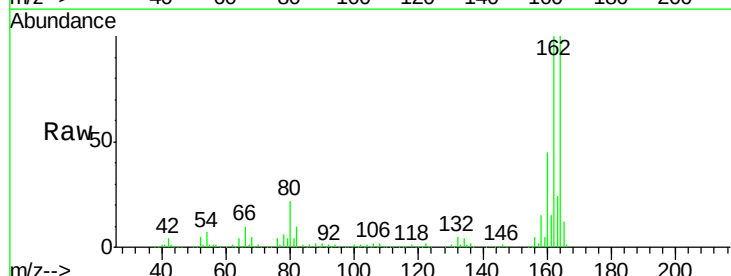


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

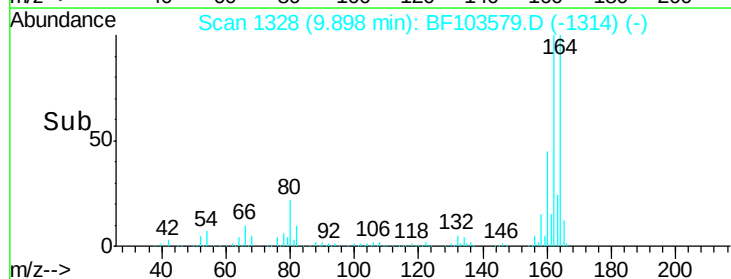
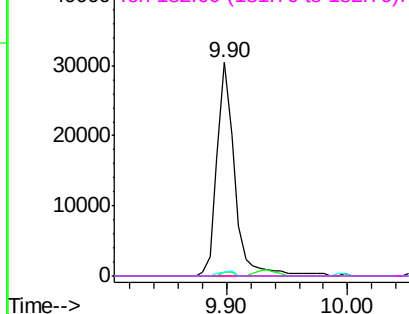


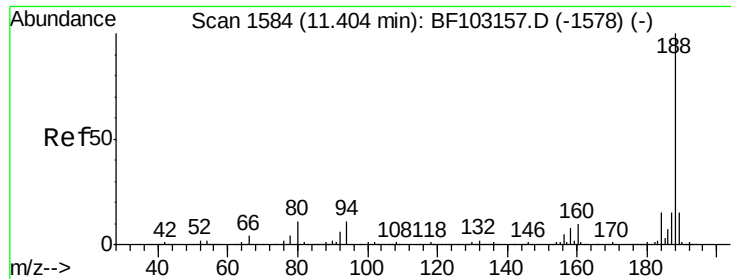
#56
2,4-Dinitrotoluene
Concen: 6.025 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.22 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Tgt Ion:165 Resp: 30793
Ion Ratio Lower Upper
165 100
63 1.9 36.4 54.6#
89 1.8 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

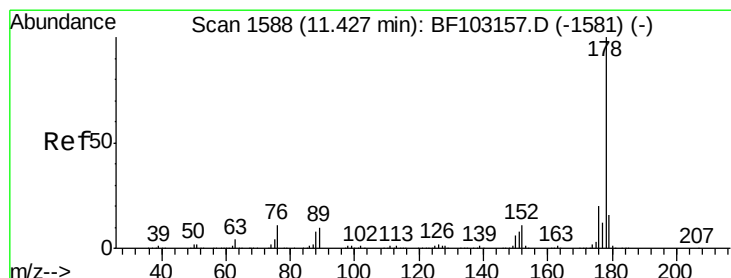
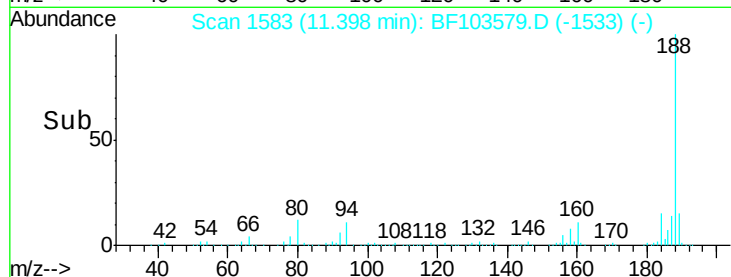
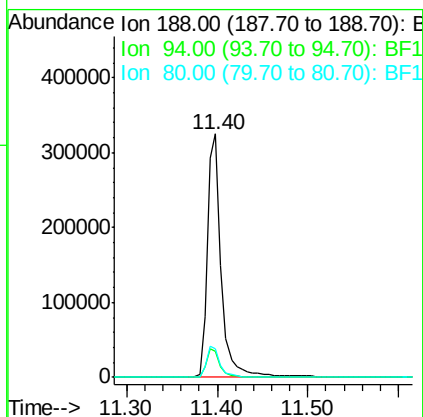
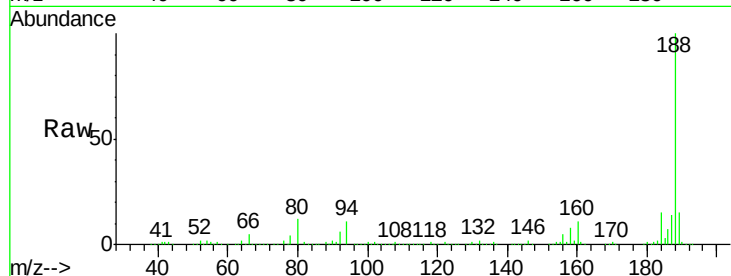




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

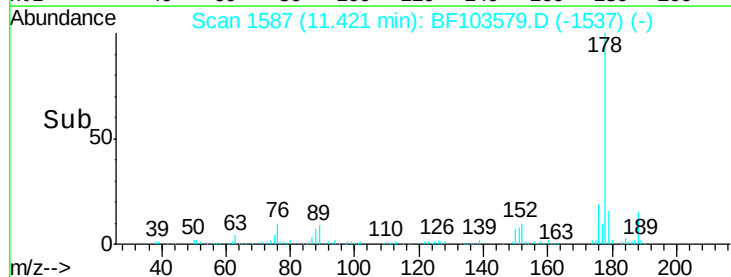
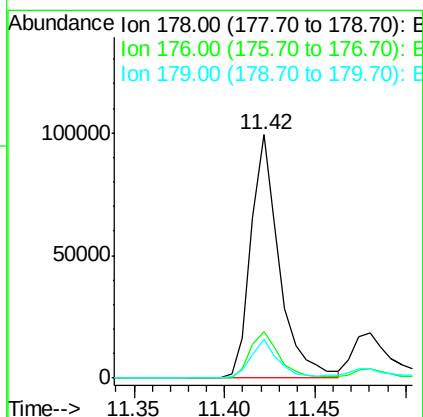
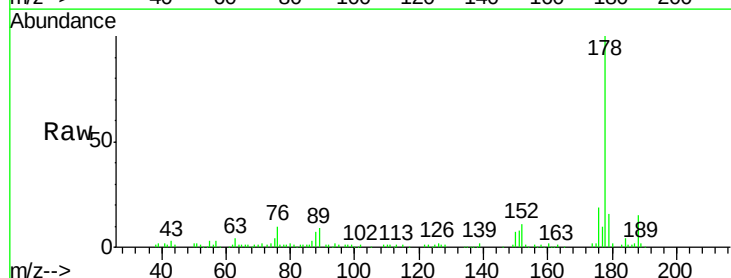
Instrument :
BNA_F
ClientSampleId :
SB-07-08-10

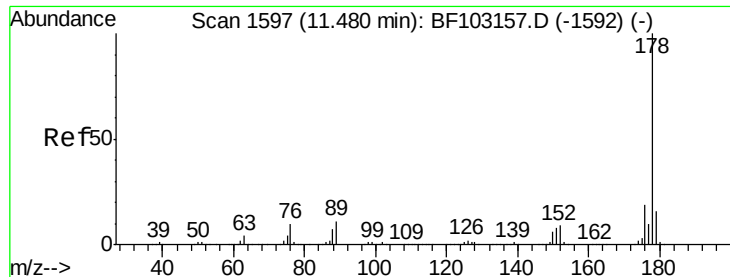
Tgt Ion:188 Resp: 352701
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.7 9.2 13.8



#70
Phenanthrene
Concen: 5.559 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Tgt Ion:178 Resp: 107896
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.8 13.0 19.6





#71

Anthracene

Concen: 5.421 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.06 min

Lab File: BF103579.D

Acq: 12 Mar 2018 13:59

Instrument :

BNA_F

ClientSampleId :

SB-07-08-10

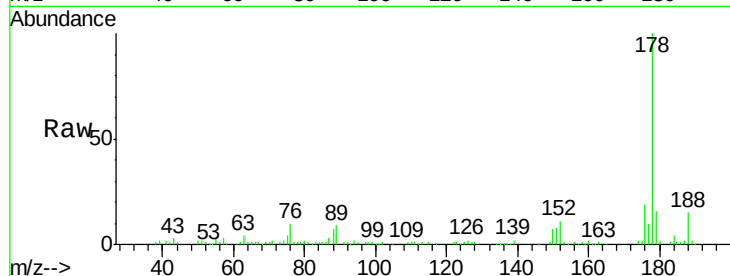
Tgt Ion:178 Resp: 107896

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

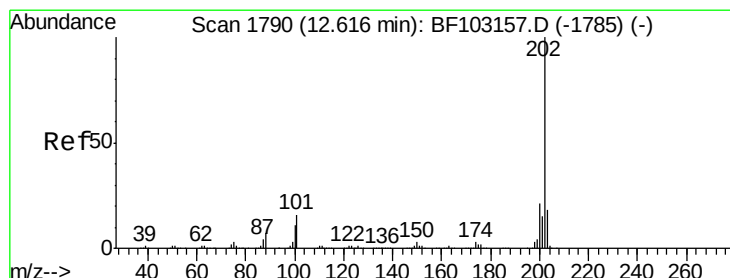
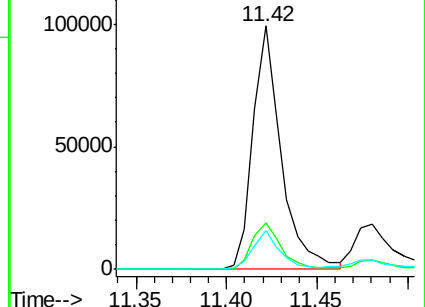
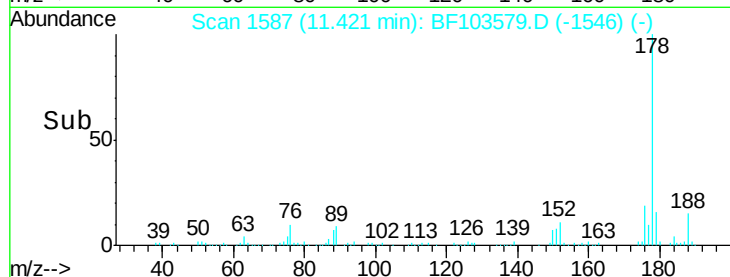
179 15.8 12.6 19.0



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: 6.805 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF103579.D

Acq: 12 Mar 2018 13:59

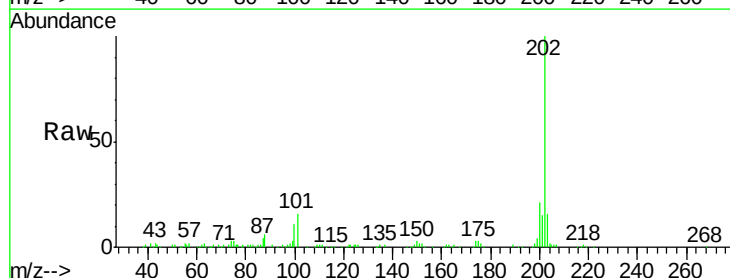
Tgt Ion:202 Resp: 132733

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.1

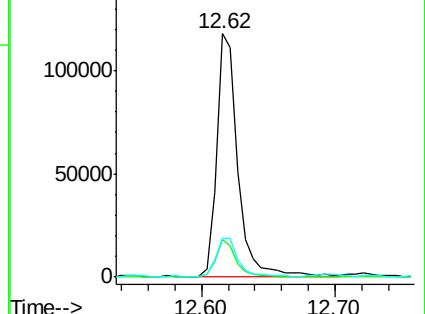
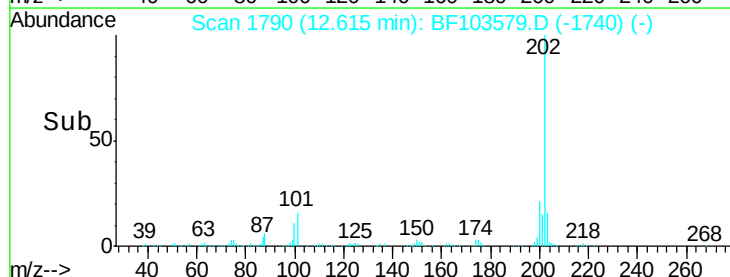
203 16.1 0.0 38.1

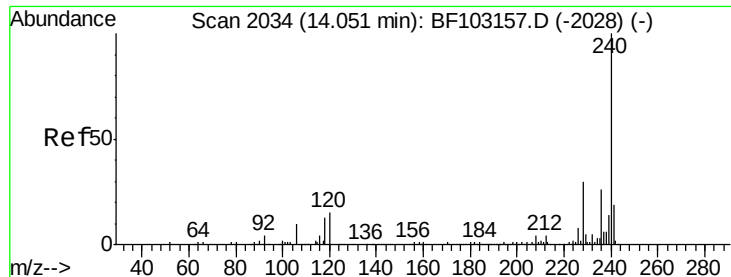


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103579.D

Acq: 12 Mar 2018 13:59

Instrument :

BNA_F

ClientSampleId :

SB-07-08-10

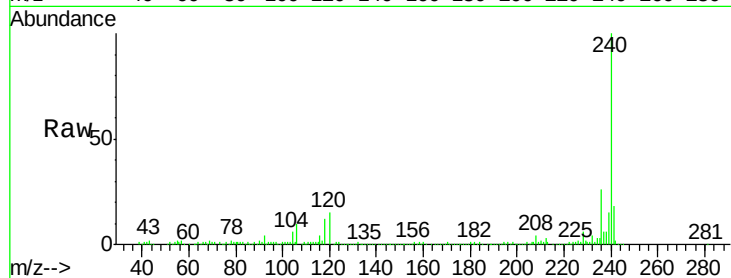
Tgt Ion:240 Resp: 216606

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

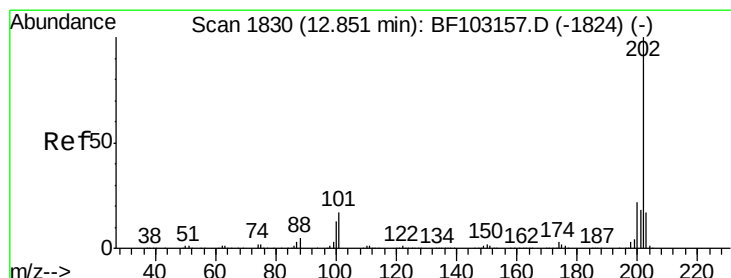
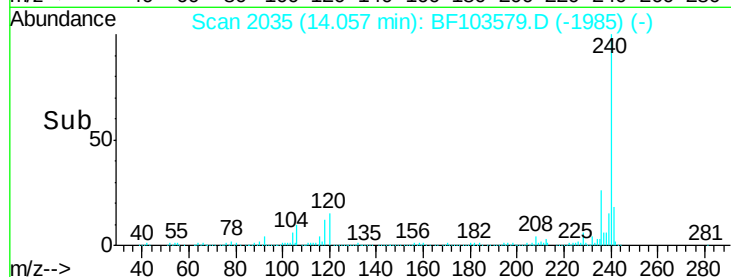
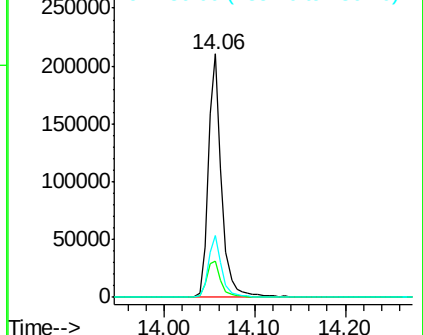
236 25.5 20.7 31.1



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: 7.265 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103579.D

Acq: 12 Mar 2018 13:59

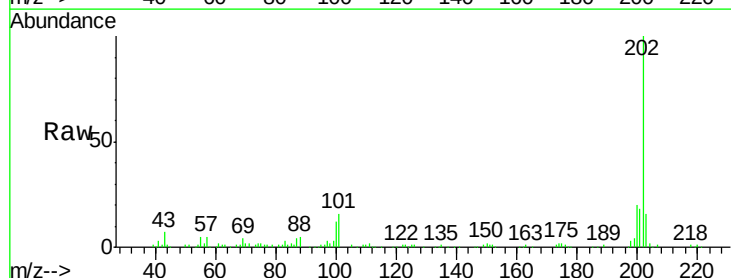
Tgt Ion:202 Resp: 122699

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

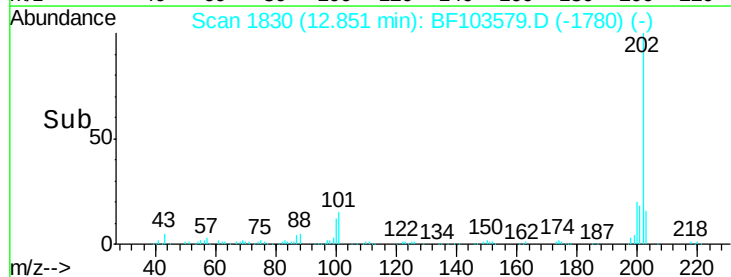
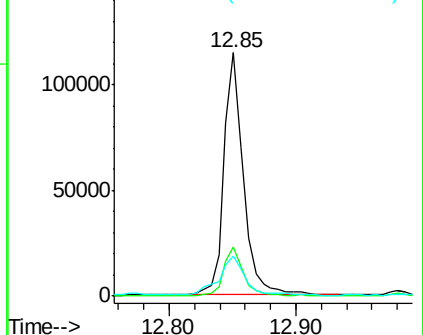
203 16.5 14.3 21.5

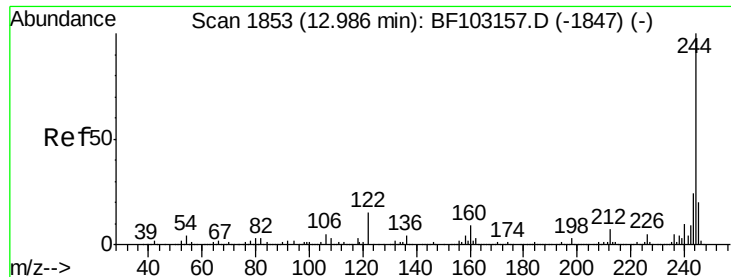


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

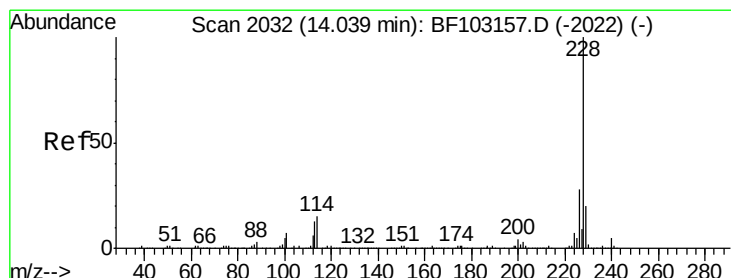
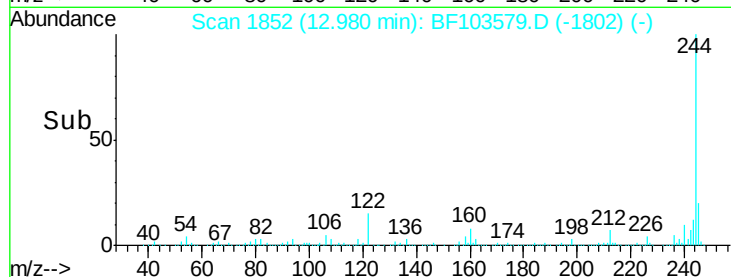
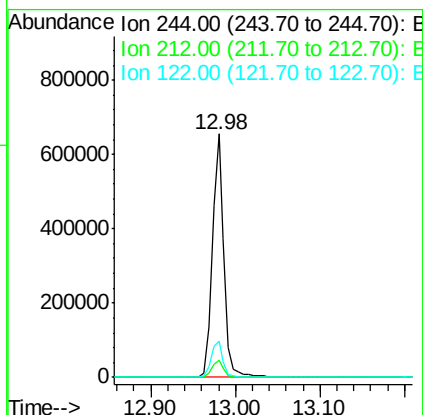
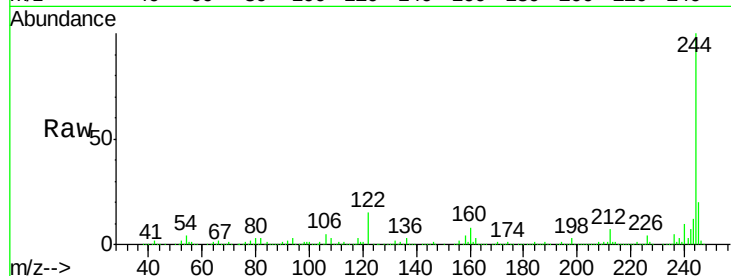




#78
 Terphenyl-d14
 Concen: 70.757 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF103579.D
 Acq: 12 Mar 2018 13:59

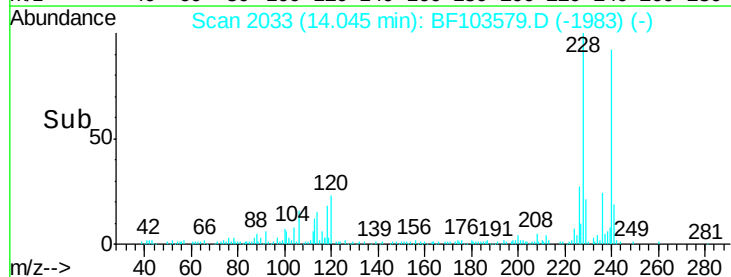
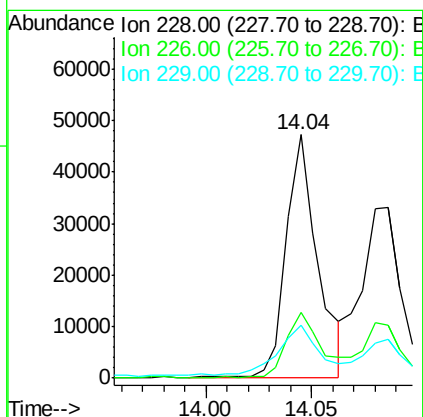
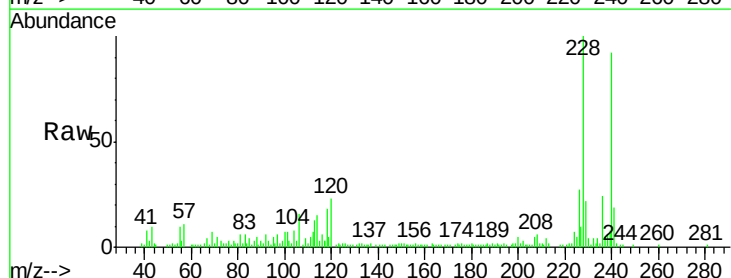
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-08-10

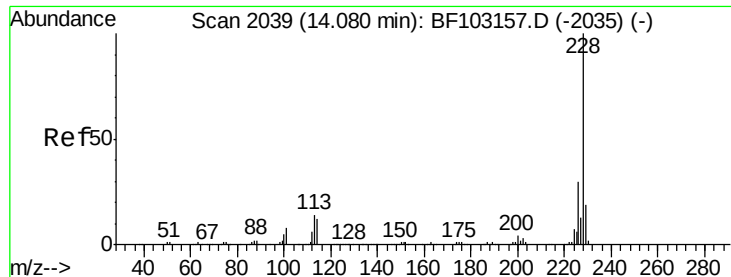
Tgt Ion: 244 Resp: 637570
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 14.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.543 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF103579.D
 Acq: 12 Mar 2018 13:59

Tgt Ion: 228 Resp: 49795
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.6 33.8
 229 21.7 15.8 23.6

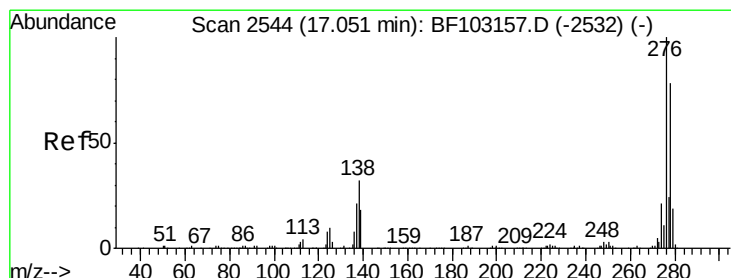
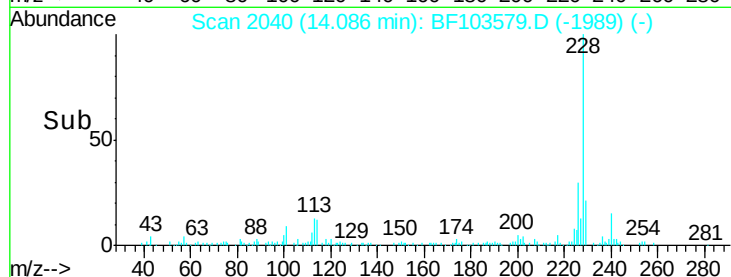
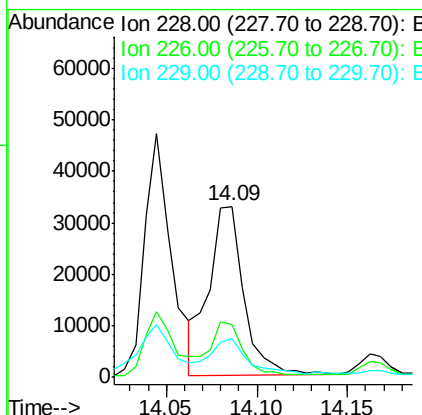
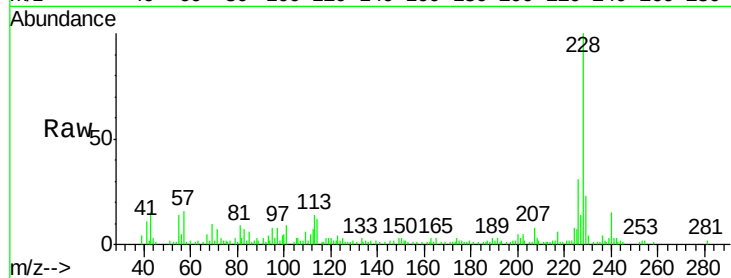




#82
Chrysene
Concen: 3.257 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

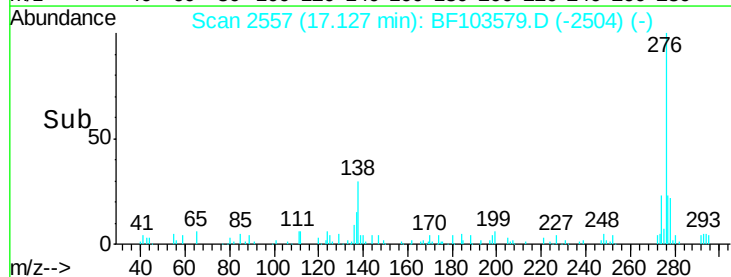
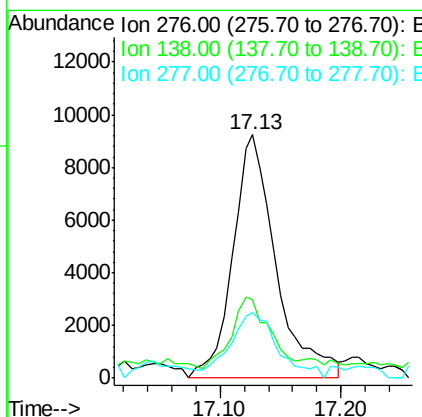
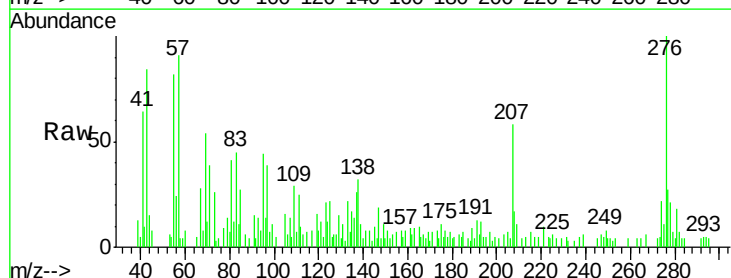
Instrument :
BNA_F
ClientSampleId :
SB-07-08-10

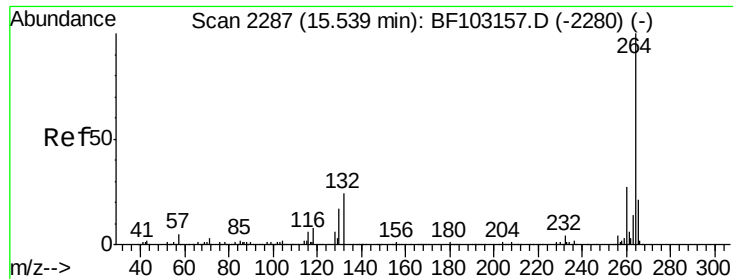
Tgt Ion: 228 Resp: 44447
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 23.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.133 ng
RT: 17.13 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Tgt Ion: 276 Resp: 23047
Ion Ratio Lower Upper
276 100
138 28.5 25.0 37.6
277 29.9 20.1 30.1

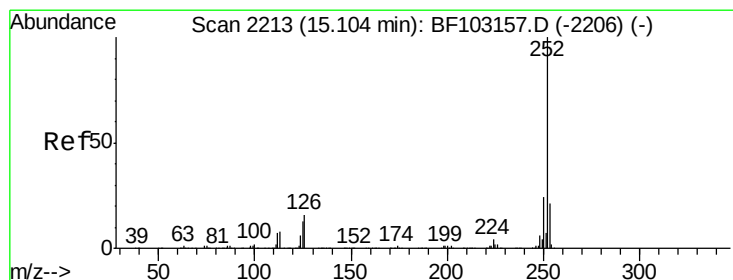
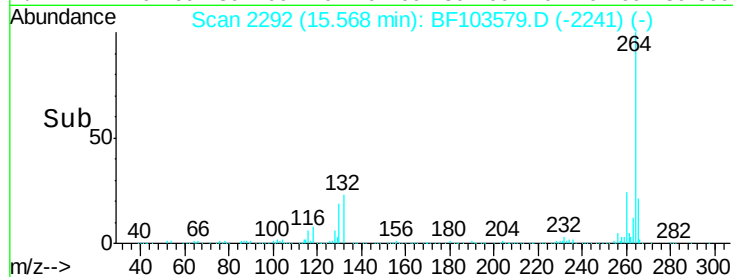
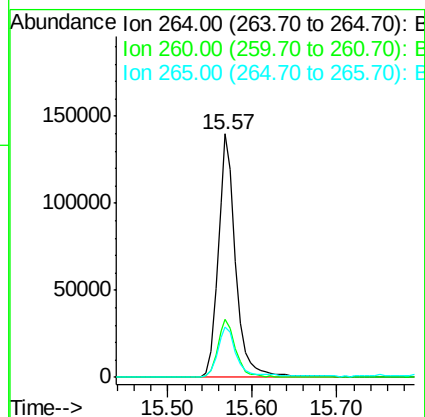
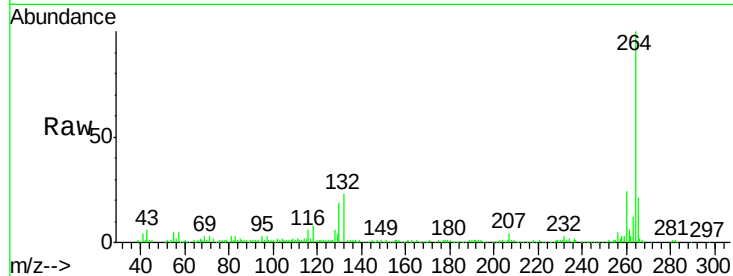




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

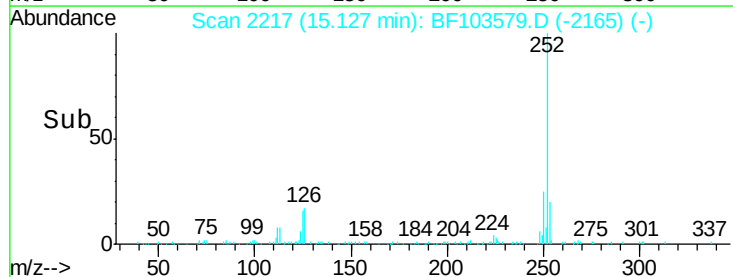
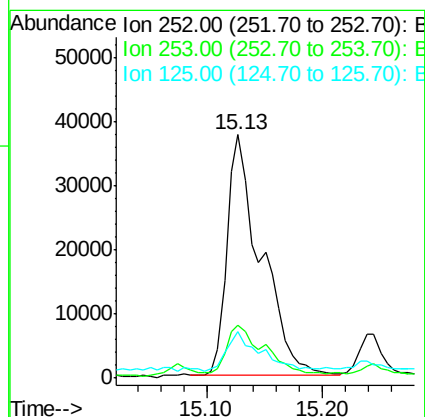
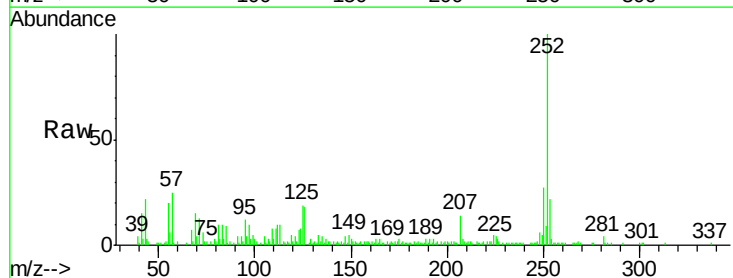
Instrument :
BNA_F
ClientSampleId :
SB-07-08-10

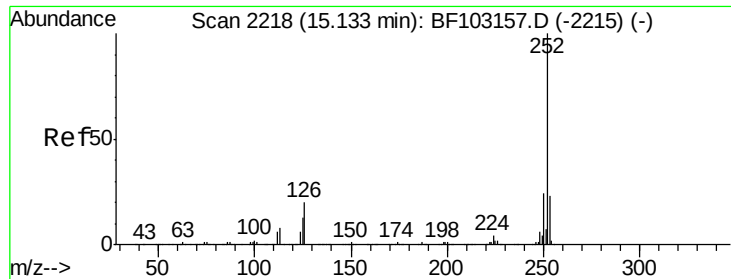
Tgt Ion:264 Resp: 203928
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 20.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.725 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Tgt Ion:252 Resp: 76765
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 19.3 9.0 13.6#

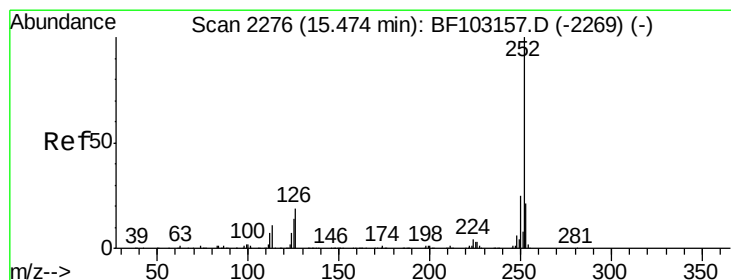
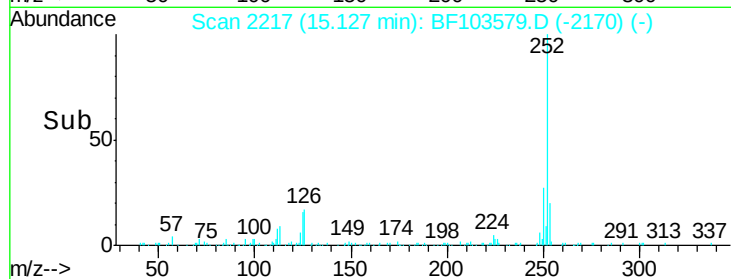
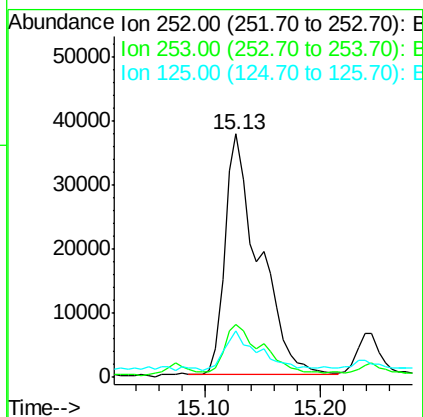
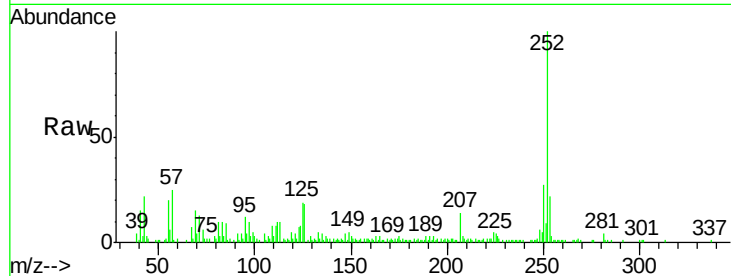




#88
Benzo(k)fluoranthene
Concen: 6.080 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

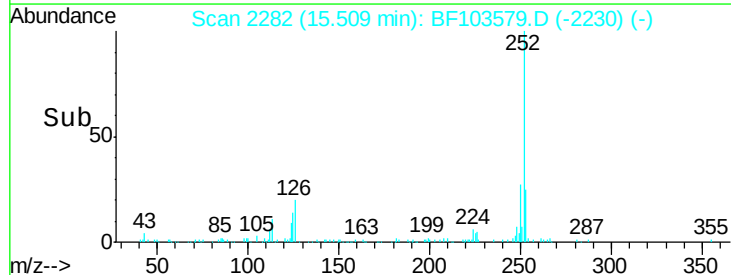
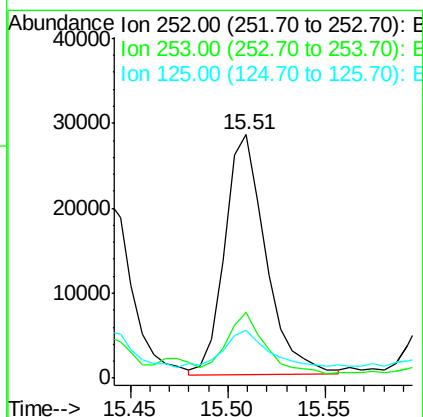
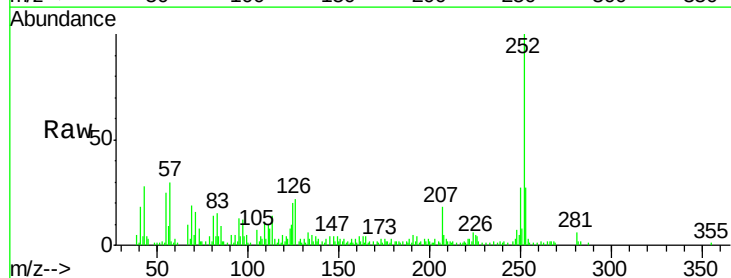
Instrument :
BNA_F
ClientSampleId :
SB-07-08-10

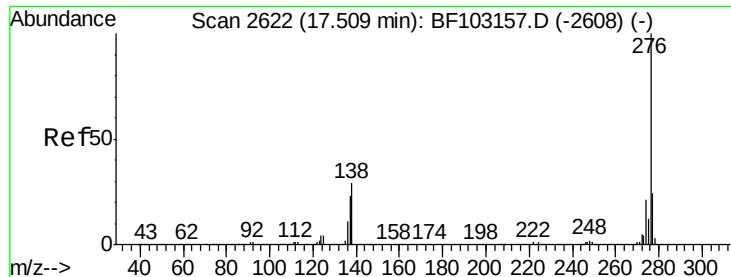
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	19.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.465 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103579.D
Acq: 12 Mar 2018 13:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.1	25.7
125	19.6	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 2.329 ng

RT: 17.60 min Scan# 2638

Delta R.T. 0.02 min

Lab File: BF103579.D

Acq: 12 Mar 2018 13:59

Instrument :

BNA_F

ClientSampleId :

SB-07-08-10

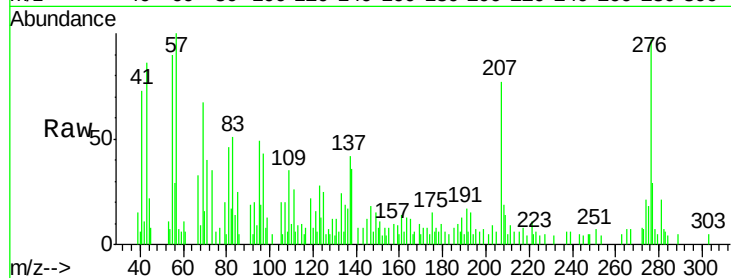
Tgt Ion: 276 Resp: 21062

Ion Ratio Lower Upper

276 100

277 29.5 17.9 26.9#

138 37.5 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

