

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103518.D
 Acq On : 8 Mar 2018 16:01
 Operator : SJ/JU
 Sample : J1833-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 16:29:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

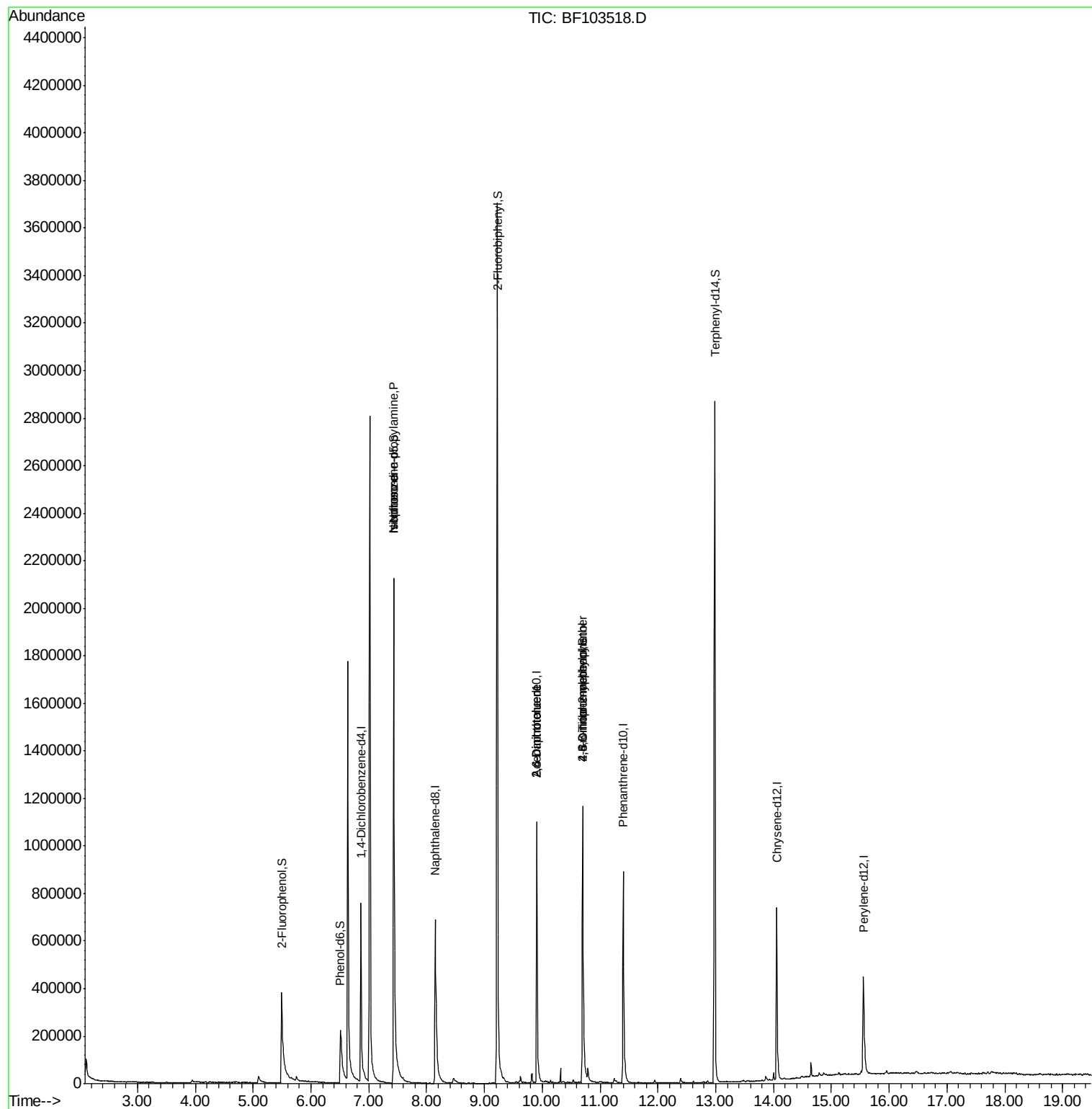
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	148370	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	639227	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	278362	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	482201	20.00	ng	0.00
75) Chrysene-d12	14.06	240	319894	20.00	ng	0.00
86) Perylene-d12	15.56	264	266394	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	292510	29.82	ng	0.00
7) Phenol-d6	6.51	99	222943	18.57	ng	0.00
23) Nitrobenzene-d5	7.43	82	1003164	89.62	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	159417	67.66	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1424266	89.15	ng	0.00
78) Terphenyl-d14	12.99	244	1112075	83.57	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	129890	17.386	ng	# 80
25) Isophorone	7.43	82	1003687	45.529	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	33377	7.122	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	33378	5.632	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	275	5.029	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	11473	2.284	ng	# 1

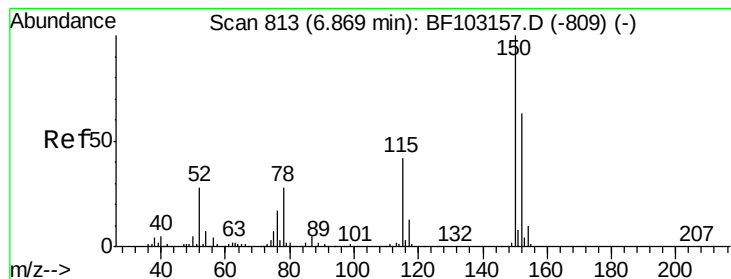
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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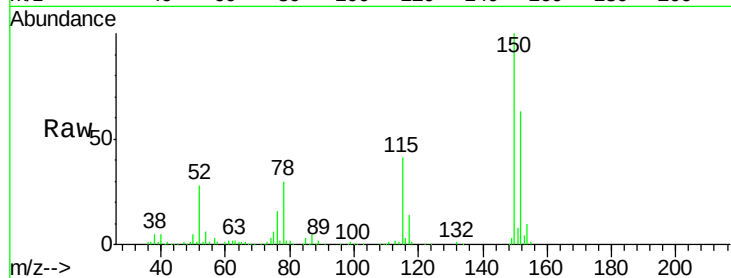


#1

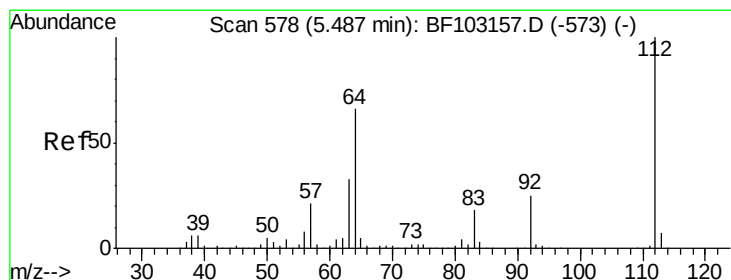
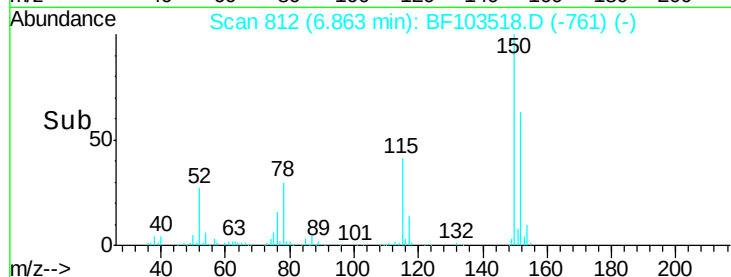
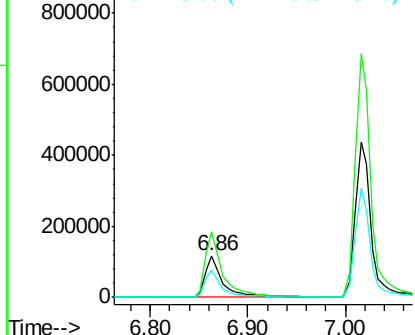
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103518.D
Acq: 8 Mar 2018 16:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	152	Resp	148370
Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	65.9	50.1	75.1



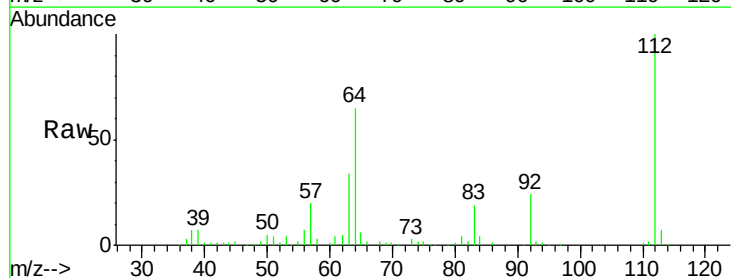
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



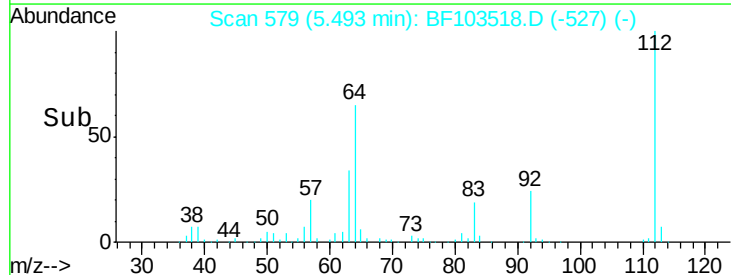
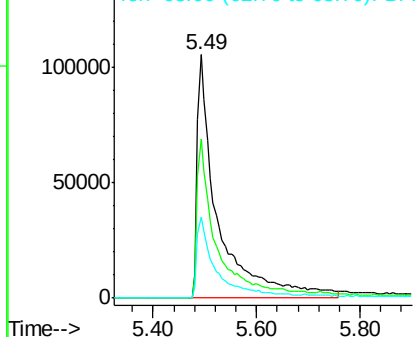
#5

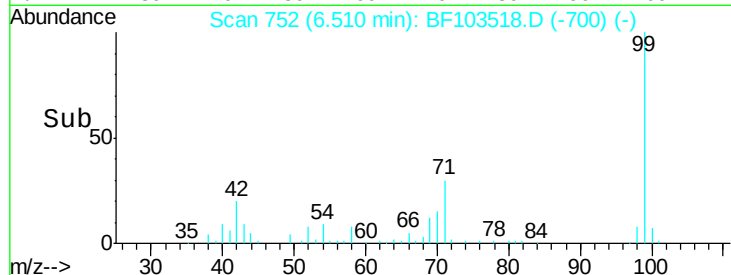
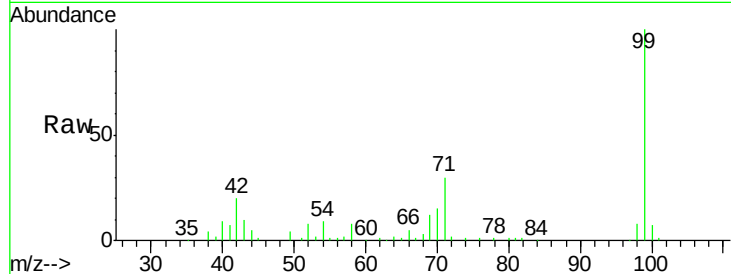
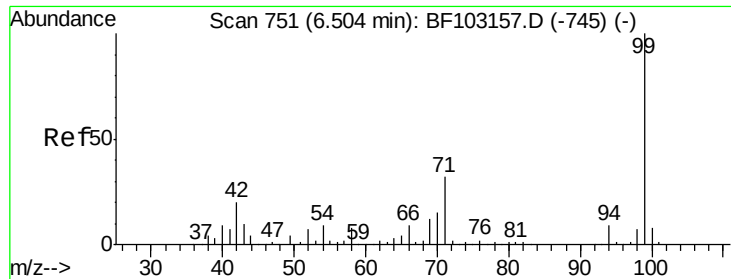
2-Fluorophenol
Concen: 29.817 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103518.D
Acq: 8 Mar 2018 16:01

Tgt Ion	112	Resp	292510
Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	33.5	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: 18.572 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103518.D

Acq: 8 Mar 2018 16:01

Instrument :

BNA_F

ClientSampleId :

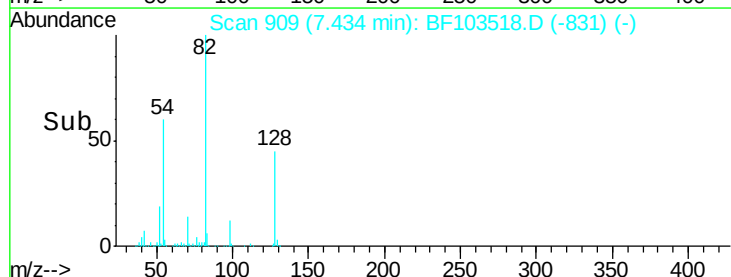
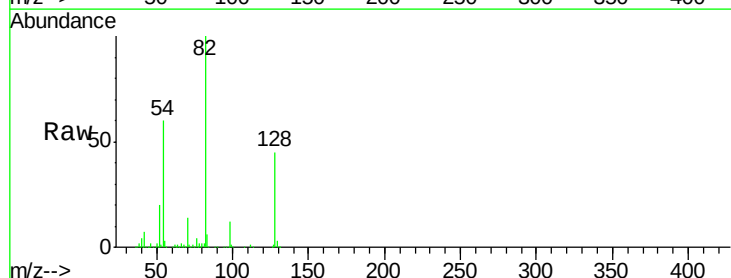
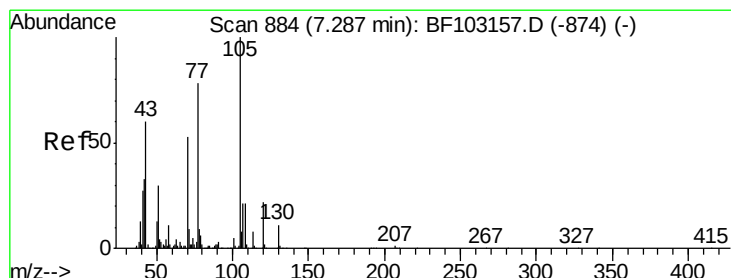
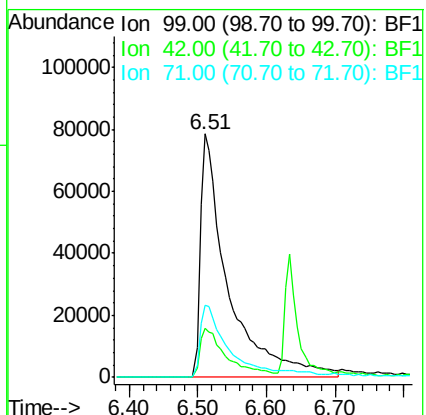
Tot Ion: 99 Resp: 222943

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 29.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.386 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.16 min

Lab File: BF103518.D

Acq: 8 Mar 2018 16:01

Tgt Ion: 70 Resp: 129890

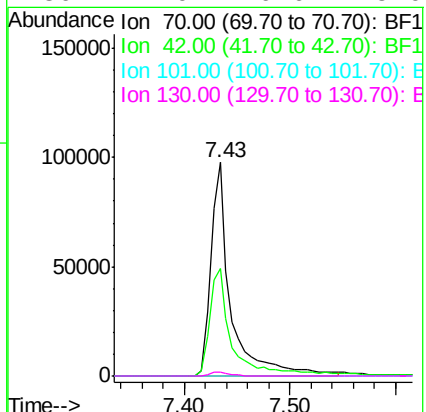
Ion Ratio Lower Upper

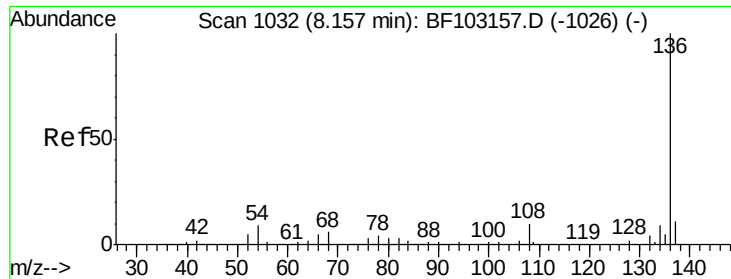
70 100

42 50.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

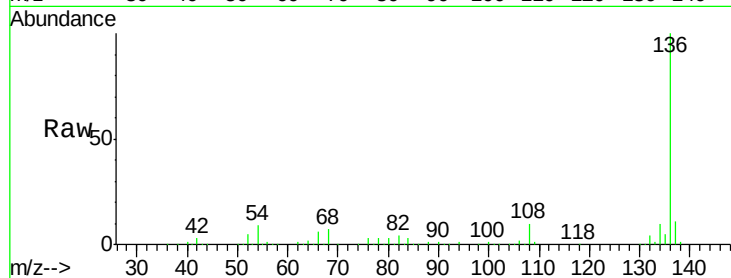




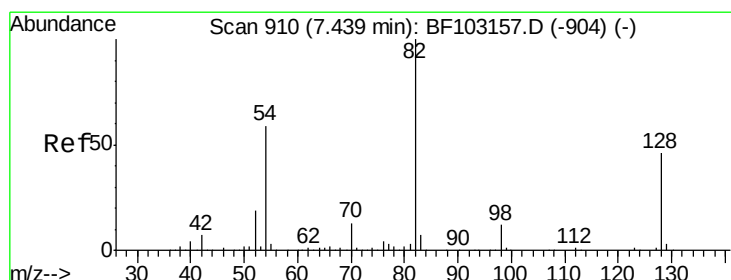
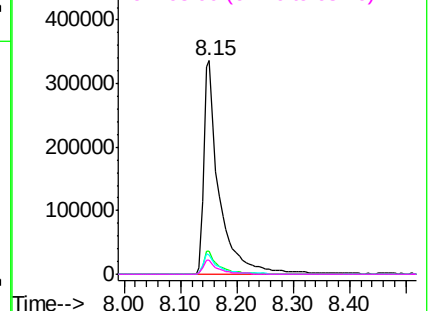
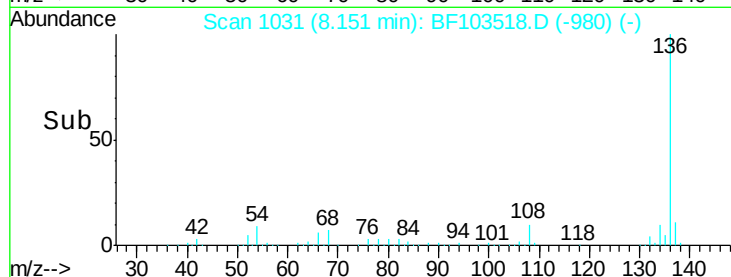
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF103518.D
Acq: 8 Mar 2018 16:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	639227
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.9	6.6 9.8
68	6.7	5.0 7.4

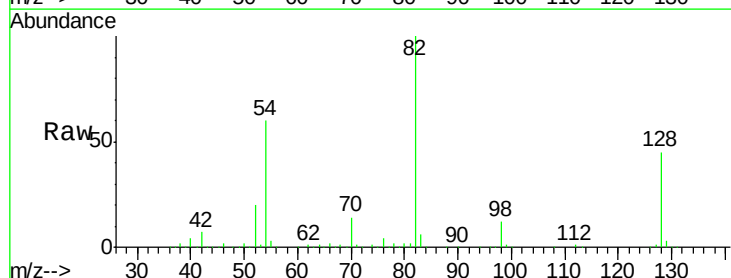


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

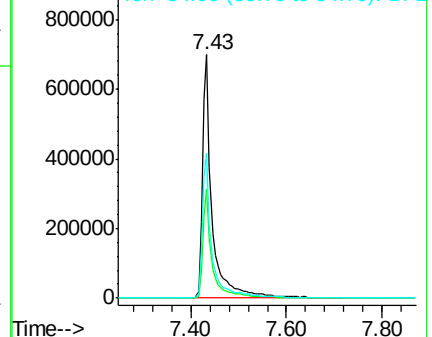
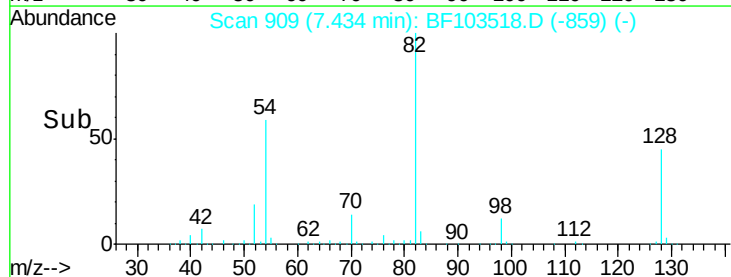


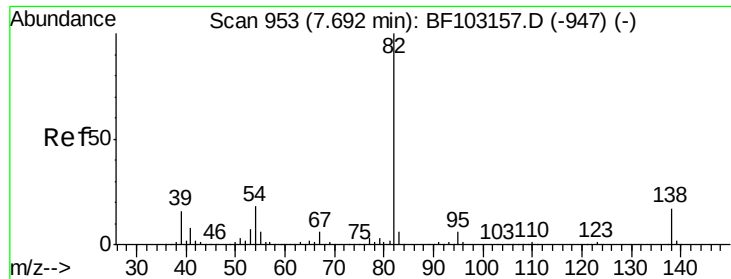
#23
Nitrobenzene-d5
Concen: 89.623 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103518.D
Acq: 8 Mar 2018 16:01

Tgt Ion: 82	Resp:	1003164
Ion Ratio	Lower	Upper
82	100	
128	44.6	36.1 54.1
54	59.6	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: 45.529 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF103518.D

Acq: 8 Mar 2018 16:01

Instrument :

BNA_F

ClientSampleId :

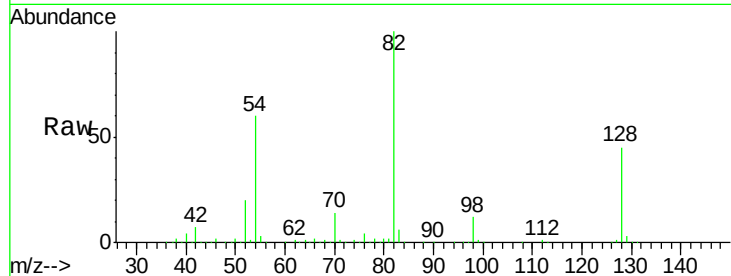
Tot Ion: 82 Resp: 1003687

Ion Ratio Lower Upper

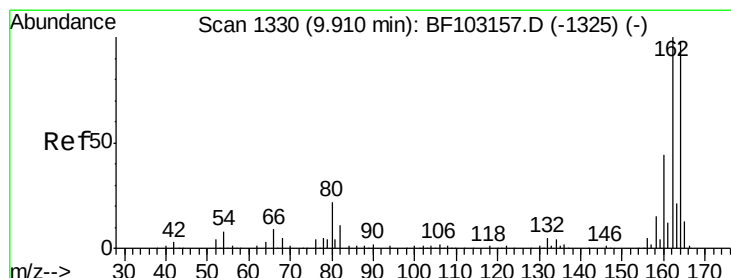
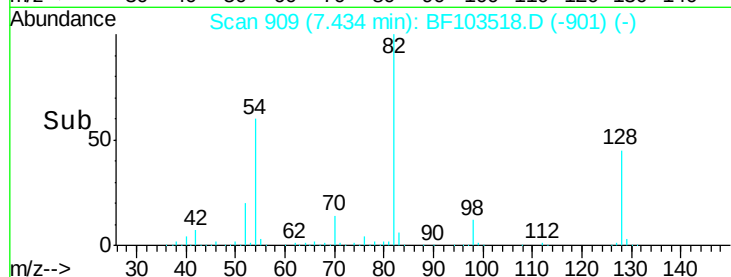
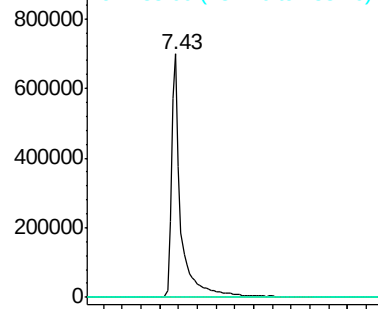
82 100

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# 1329

Delta R.T. -0.01 min

Lab File: BF103518.D

Acq: 8 Mar 2018 16:01

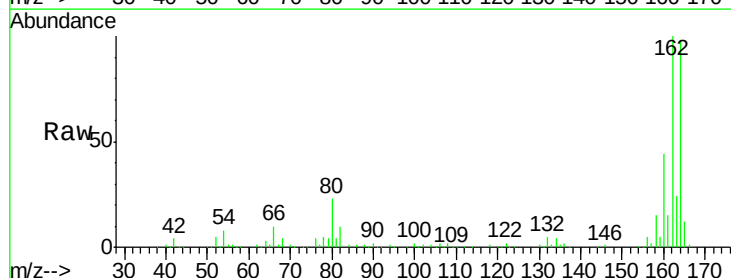
Tgt Ion: 164 Resp: 278362

Ion Ratio Lower Upper

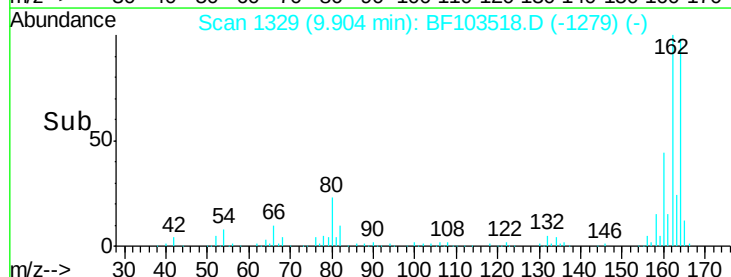
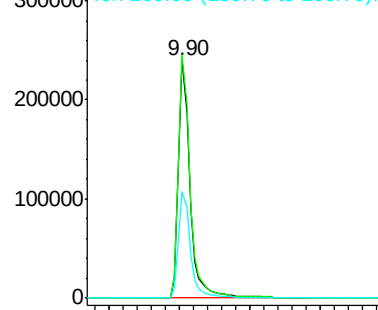
164 100

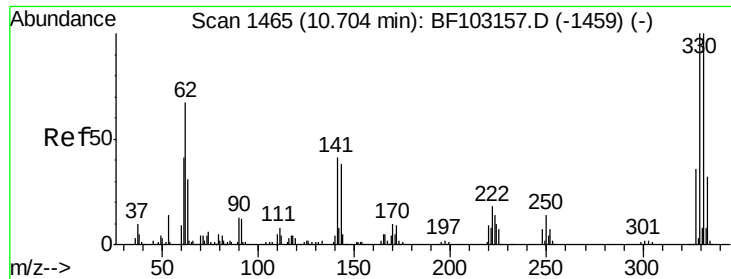
162 102.1 86.1 129.1

160 44.6 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

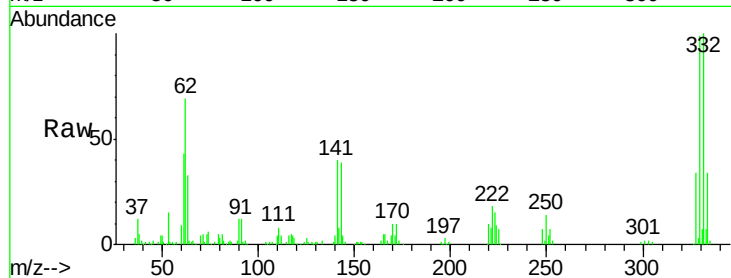




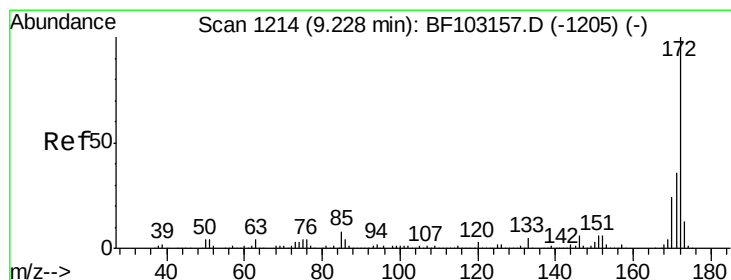
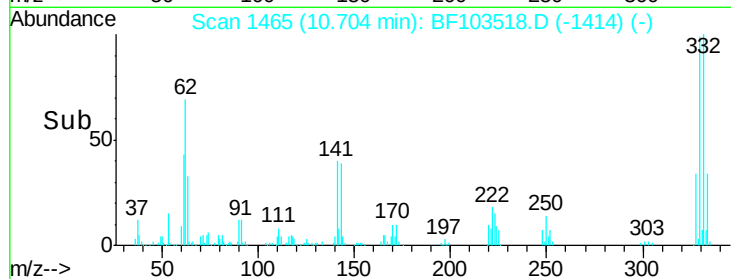
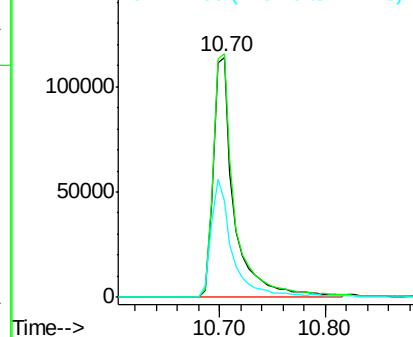
#41
 2,4,6-Tribromophenol
 Concen: 67.659 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103518.D
 Acq: 8 Mar 2018 16:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 159417
 Ion Ratio Lower Upper
 330 100
 332 104.9 77.0 115.6
 141 50.8 29.9 44.9#

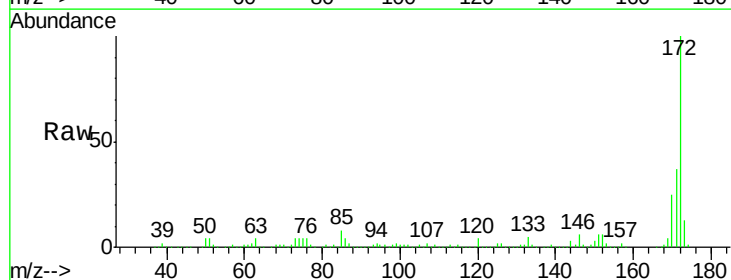


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

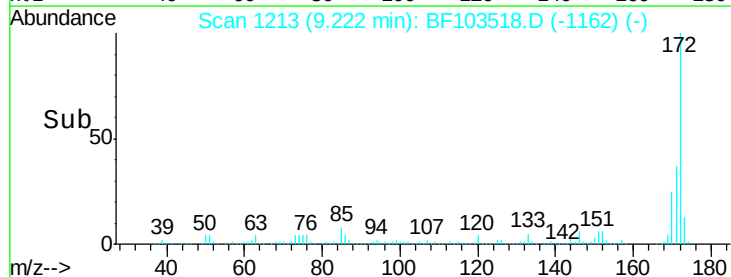
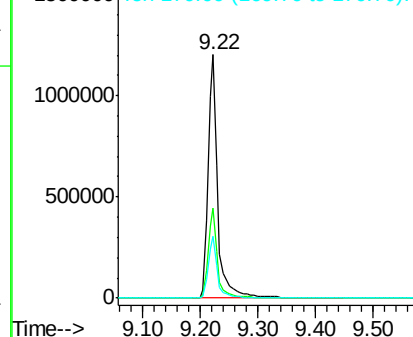


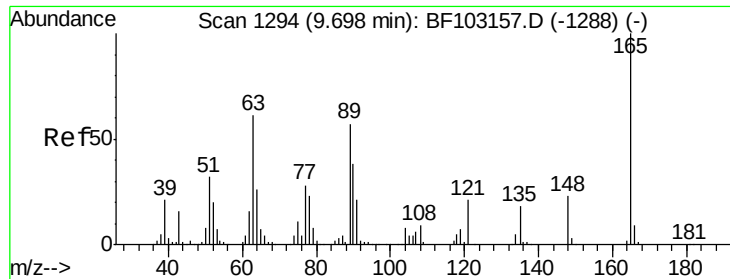
#44
 2-Fluorobiphenyl
 Concen: 89.152 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103518.D
 Acq: 8 Mar 2018 16:01

Tgt Ion:172 Resp: 1424266
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 25.3 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

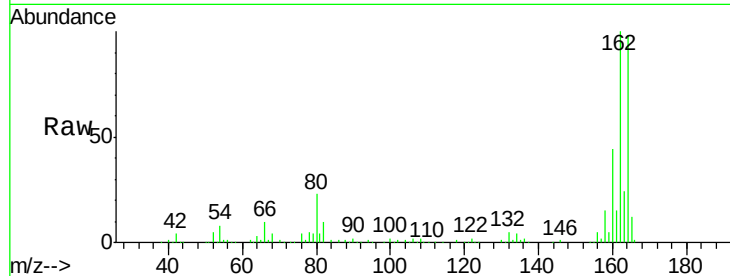




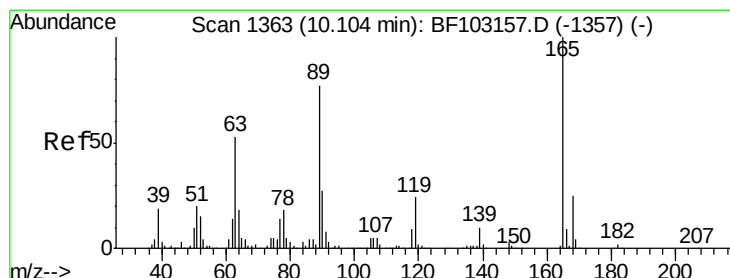
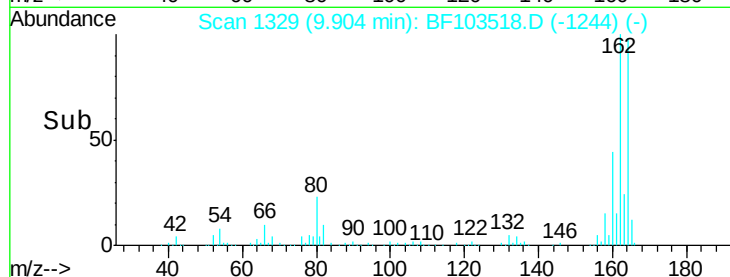
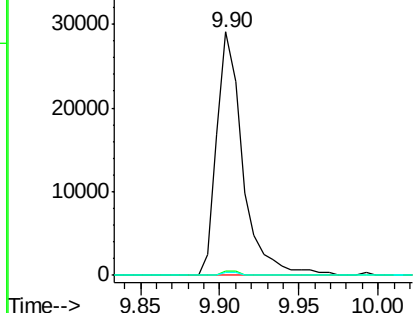
#50
 2,6-Dinitrotoluene
 Concen: 7.122 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF103518.D
 Acq: 8 Mar 2018 16:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.5	44.0	66.0#

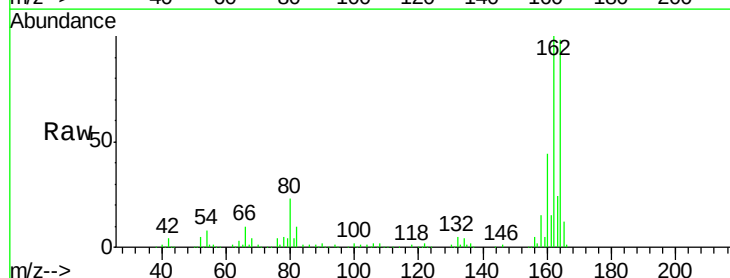


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

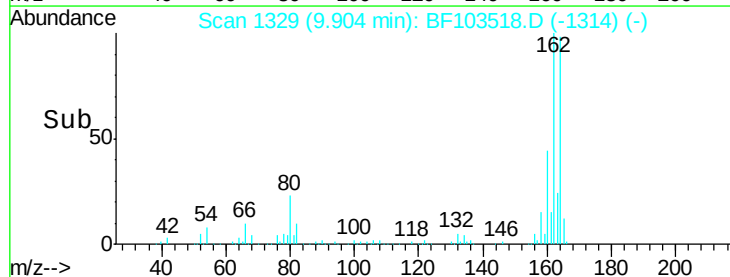
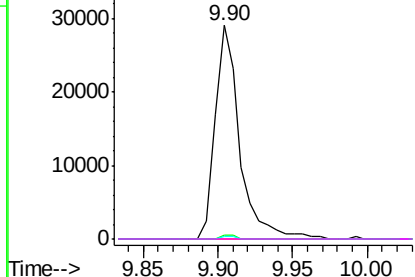


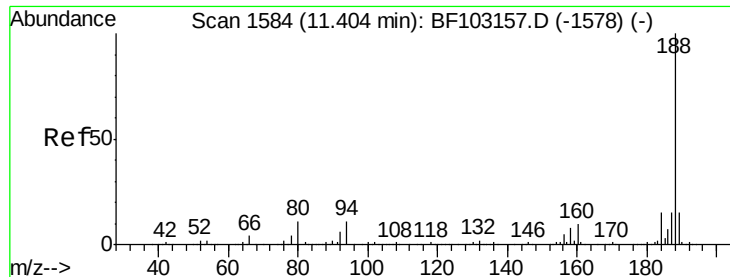
#56
 2,4-Dinitrotoluene
 Concen: 5.632 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF103518.D
 Acq: 8 Mar 2018 16:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.5	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: BF103518.D

Acq: 8 Mar 2018 16:01

Instrument :

BNA_F

ClientSampleId :

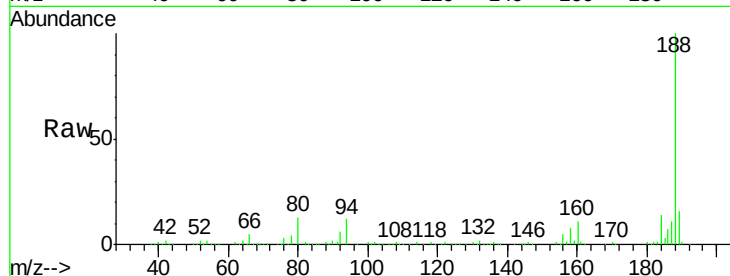
Tot Ion:188 Resp: 482201

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

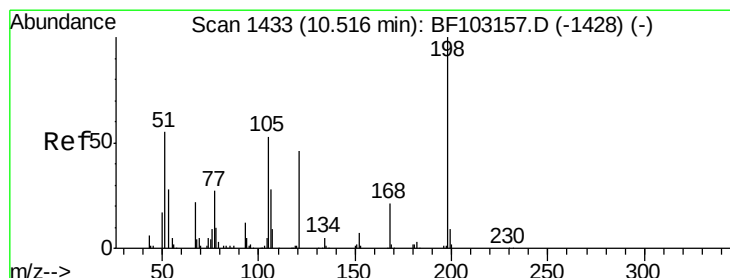
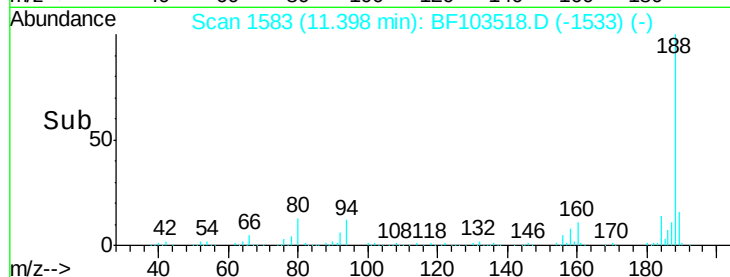
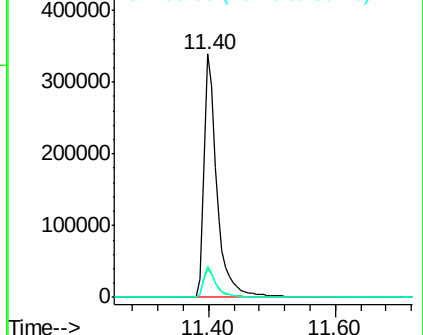
80 12.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.029 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.17 min

Lab File: BF103518.D

Acq: 8 Mar 2018 16:01

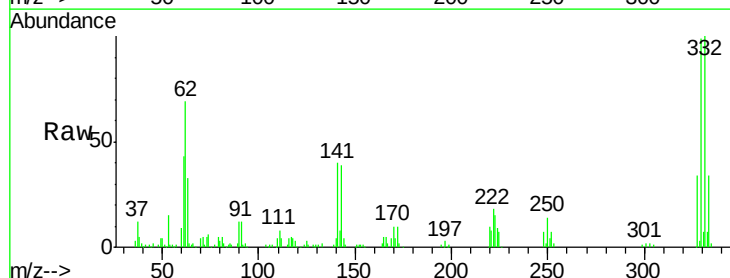
Tgt Ion:198 Resp: 275

Ion Ratio Lower Upper

198 100

51 187.4 37.7 77.7#

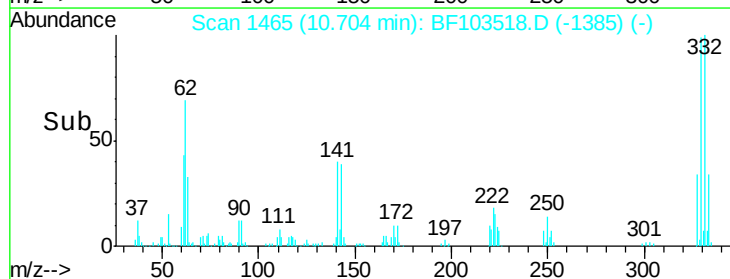
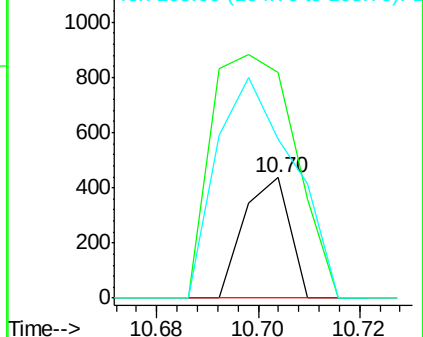
105 131.9 36.3 76.3#

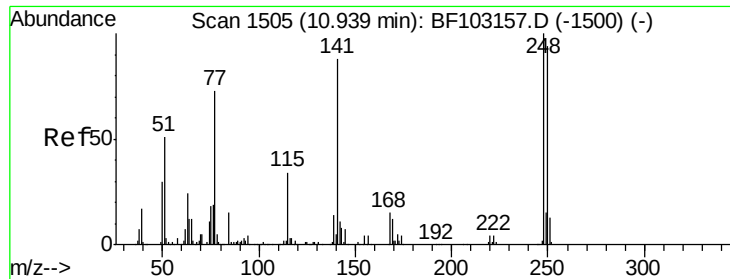


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

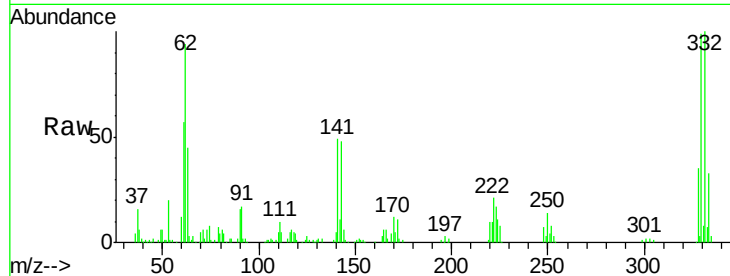




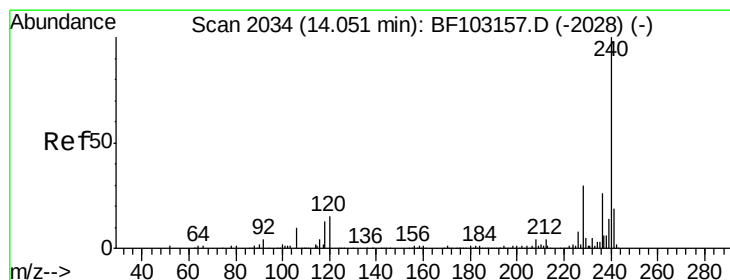
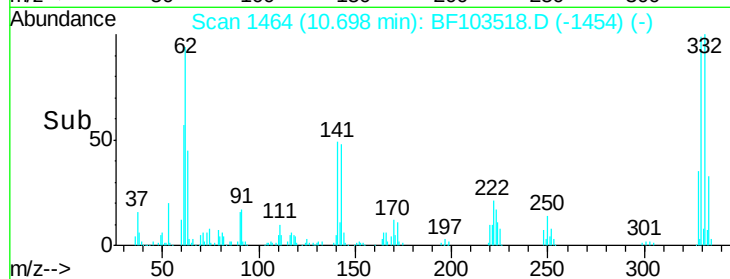
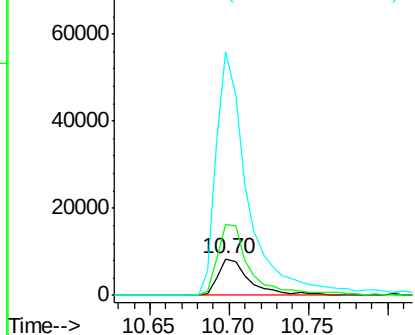
#66
4-Bromophenyl-phenylether
Concen: 2.284 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103518.D
Acq: 8 Mar 2018 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11473
Ion Ratio Lower Upper
248 100
250 190.7 76.9 115.3#
141 660.2 74.4 111.6#

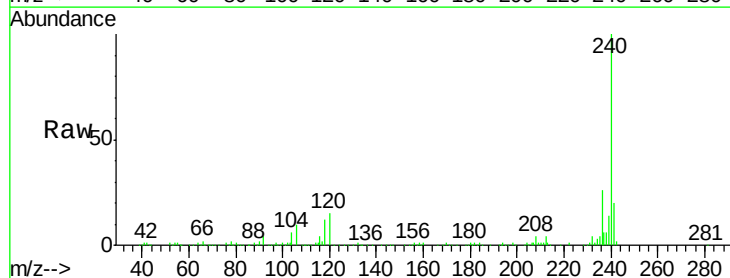


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

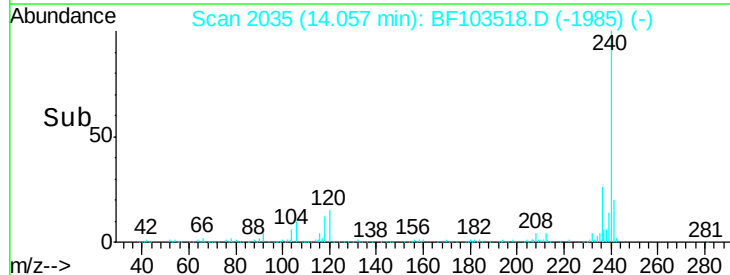
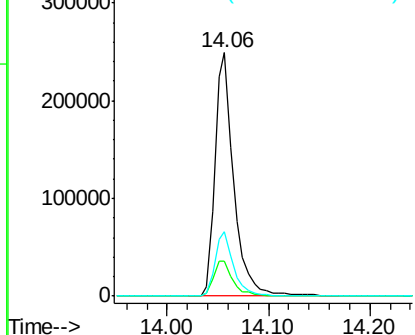


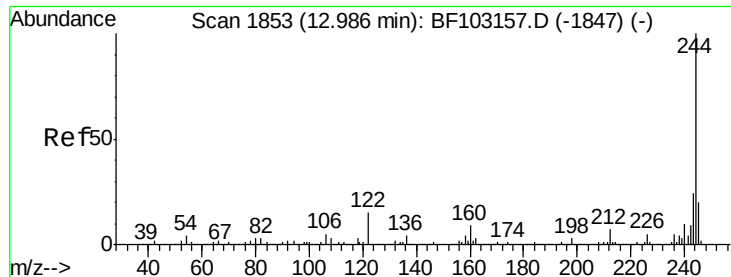
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF103518.D
Acq: 8 Mar 2018 16:01

Tgt Ion:240 Resp: 319894
Ion Ratio Lower Upper
240 100
120 14.5 9.5 14.3#
236 26.2 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





#78

Terphenyl-d14

Concen: 83.568 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103518.D

Acq: 8 Mar 2018 16:01

Instrument :

BNA_F

ClientSampleId :

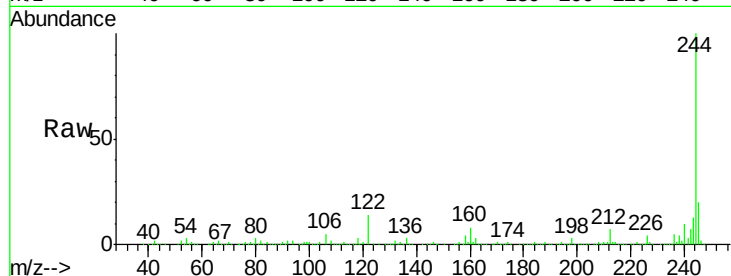
Tot Ion:244 Resp: 1112075

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

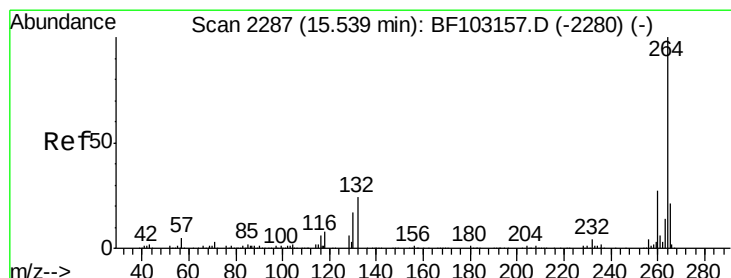
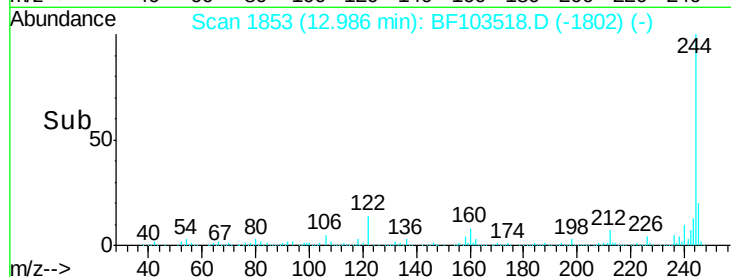
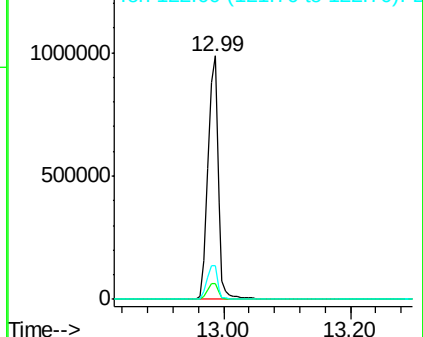
122 13.7 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BF103518.D

Acq: 8 Mar 2018 16:01

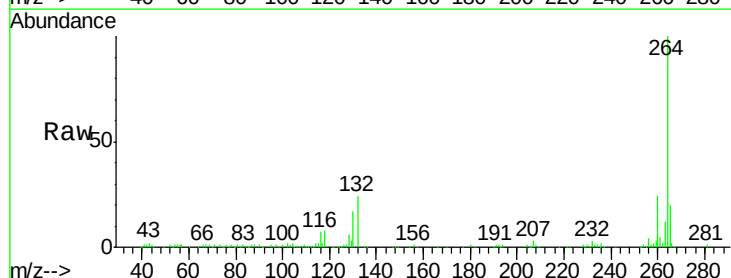
Tgt Ion:264 Resp: 266394

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 20.5 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

