

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103602.D
 Acq On : 13 Mar 2018 14:21
 Operator : SJ/JU
 Sample : PB107288BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 15:01:40 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	136164	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	594498	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	262290	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	501326	20.00	ng	0.00
75) Chrysene-d12	14.06	240	386582	20.00	ng	0.00
86) Perylene-d12	15.56	264	384044	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1163071	129.19	ng	0.00
7) Phenol-d6	6.50	99	1391233	126.29	ng	0.00
23) Nitrobenzene-d5	7.43	82	950774	91.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	236854	106.68	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1367760	91.44	ng	0.00
78) Terphenyl-d14	12.98	244	1222463	76.02	ng	0.00

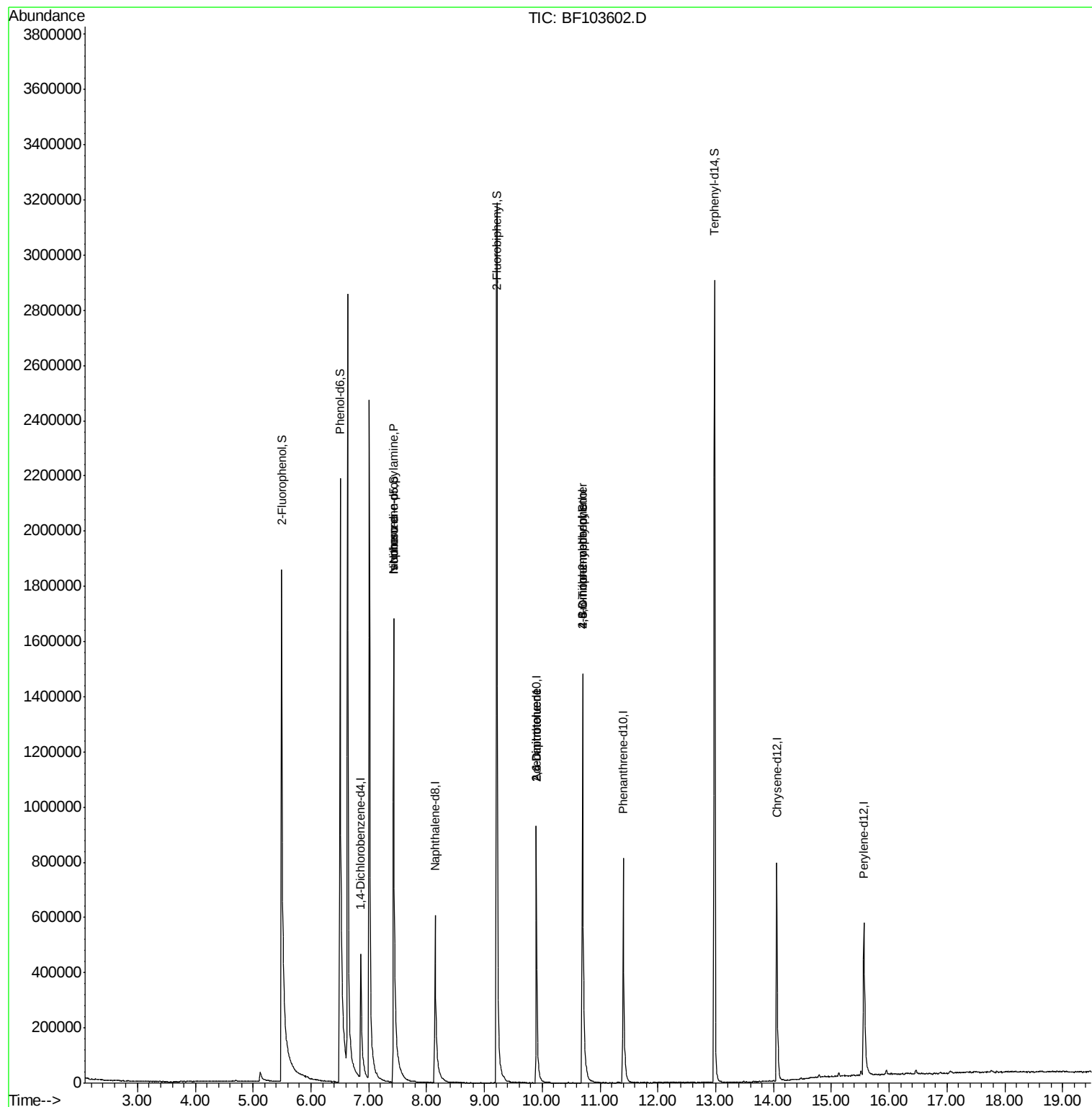
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1501	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.43	70	121258	17.686	ng	# 82
25) Isophorone	7.43	82	954981	46.579	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	33302	7.542	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	33780	6.049	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	317	5.039	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	16709	3.200	ng	# 1

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

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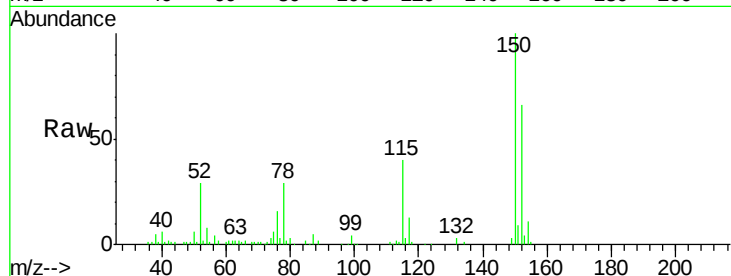


#1

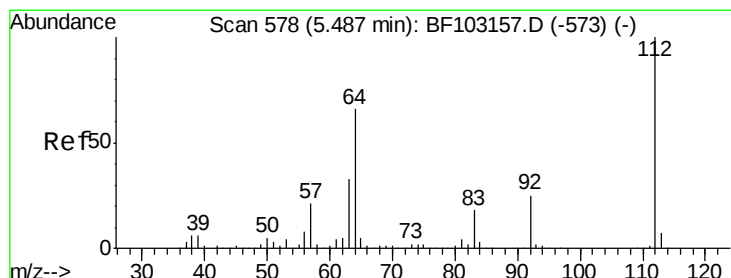
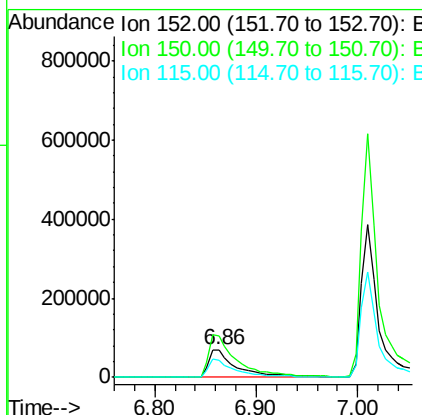
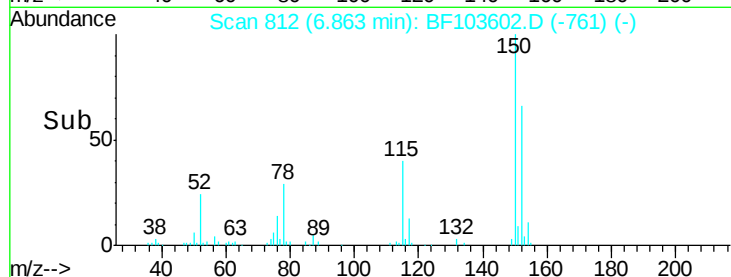
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103602.D
Acq: 13 Mar 2018 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136164
Ion Ratio Lower Upper
152 100
150 151.5 124.6 186.8
115 60.4 50.1 75.1



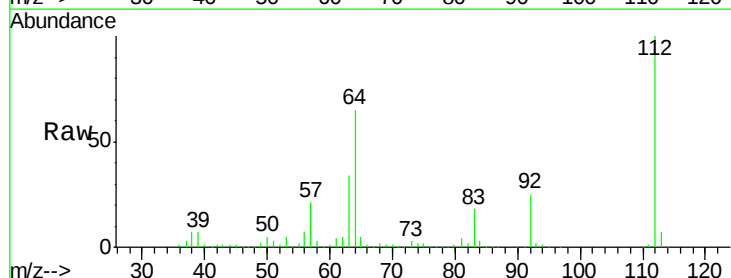
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



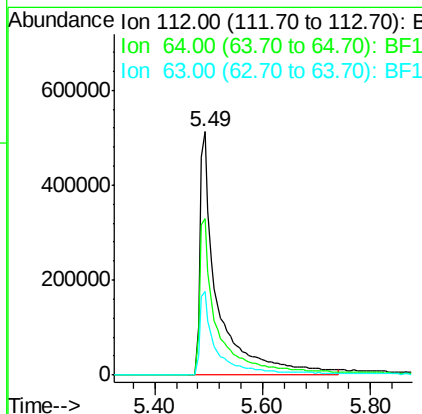
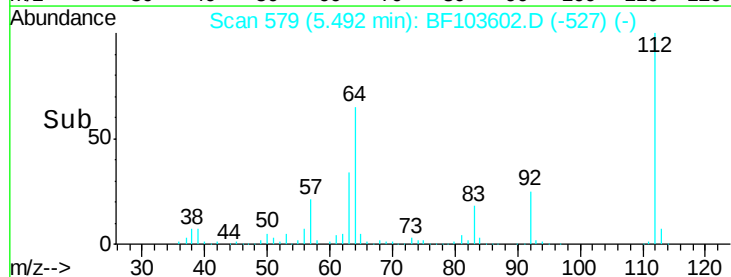
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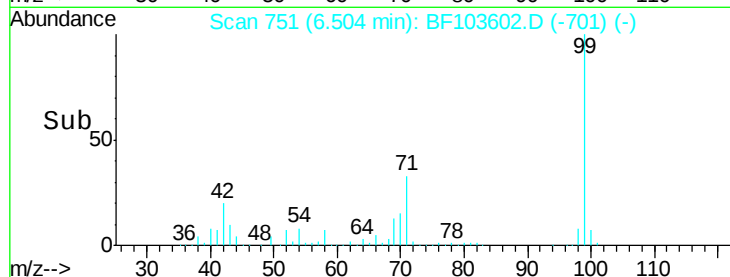
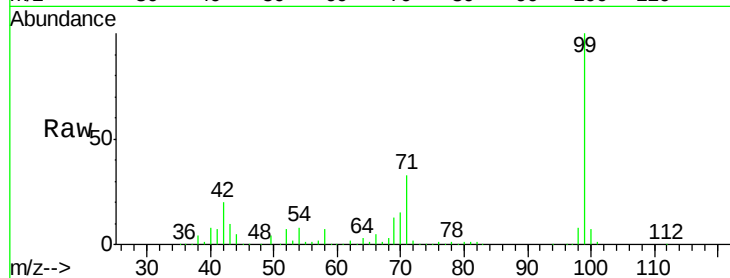
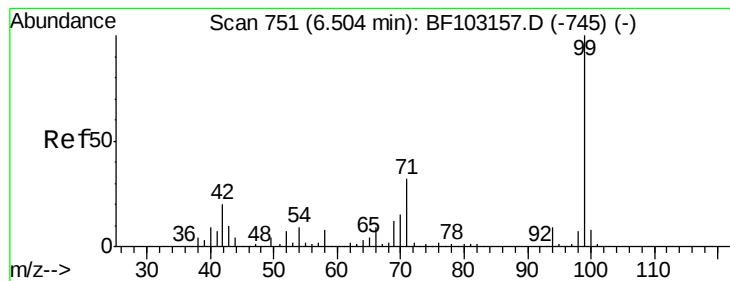
2-Fluorophenol
Concen: 129.187 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103602.D
Acq: 13 Mar 2018 14:21

Tgt Ion:112 Resp: 1163071
Ion Ratio Lower Upper
112 100
64 64.5 47.9 71.9
63 34.2 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: 126.286 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103602.D

Acq: 13 Mar 2018 14:21

Instrument :

BNA_F

ClientSampleId :

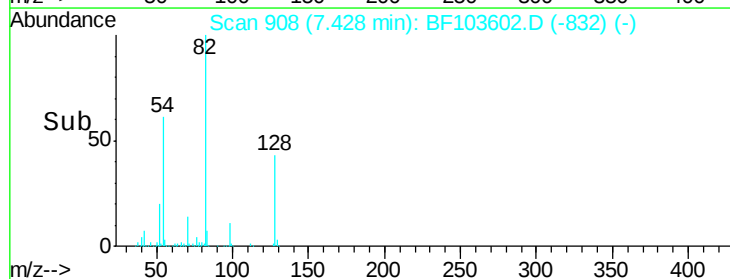
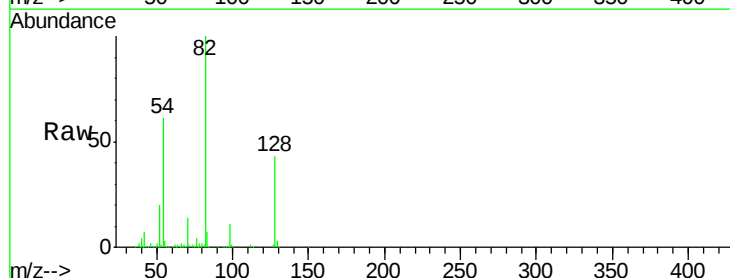
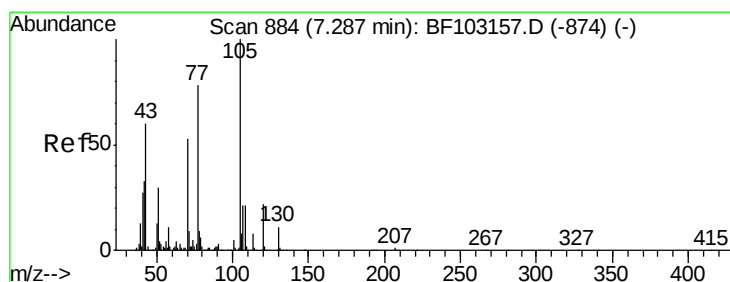
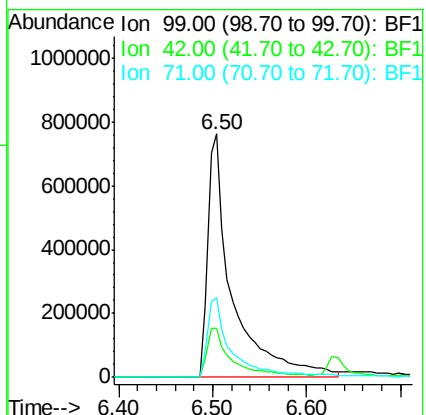
Tot Ion: 99 Resp: 1391233

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.686 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103602.D

Acq: 13 Mar 2018 14:21

Tgt Ion: 70 Resp: 121258

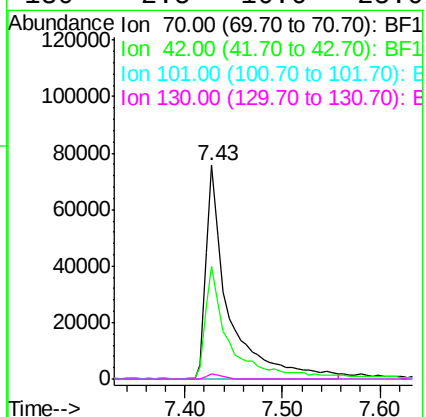
Ion Ratio Lower Upper

70 100

42 52.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

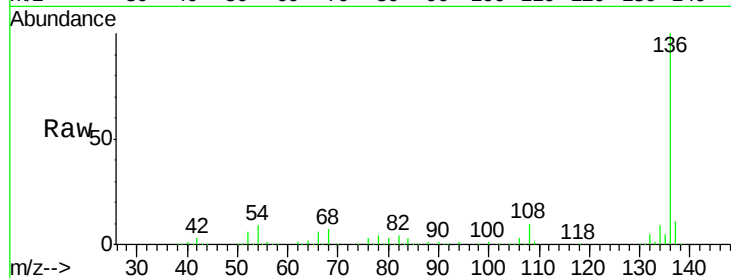




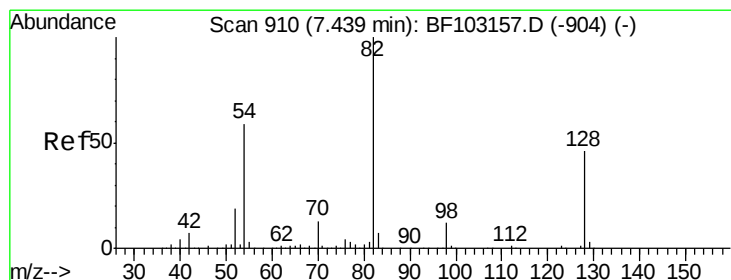
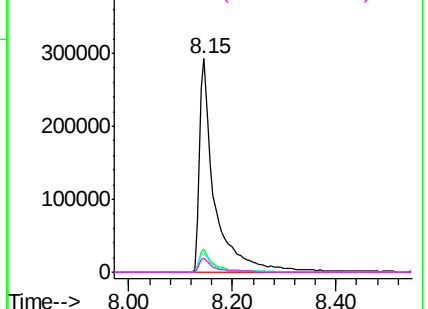
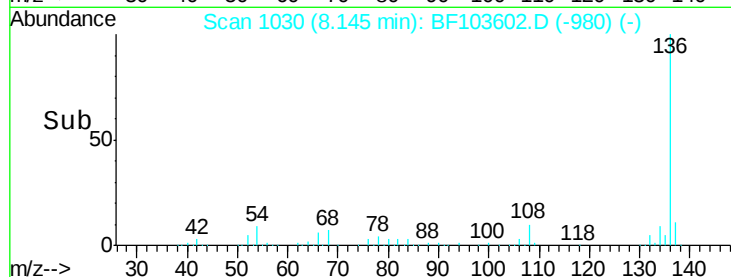
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF103602.D
Acq: 13 Mar 2018 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	594498
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	8.9	6.6 9.8
68	6.6	5.0 7.4

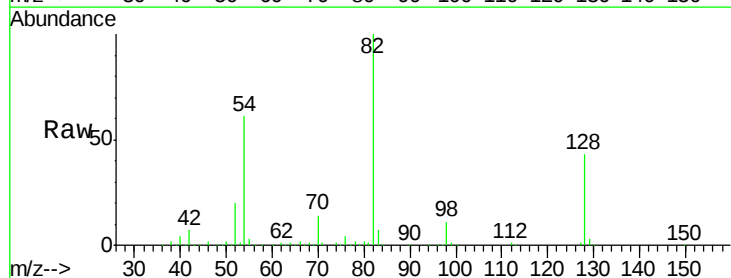


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

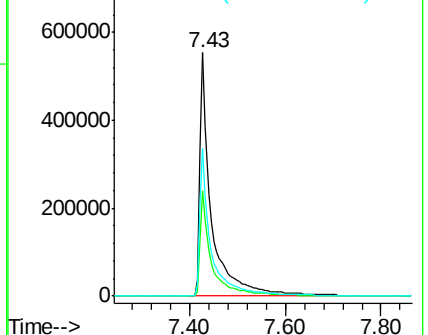
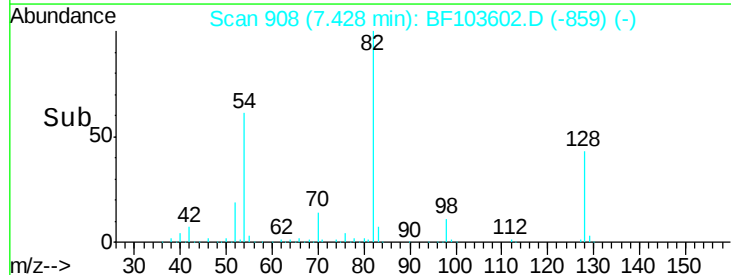


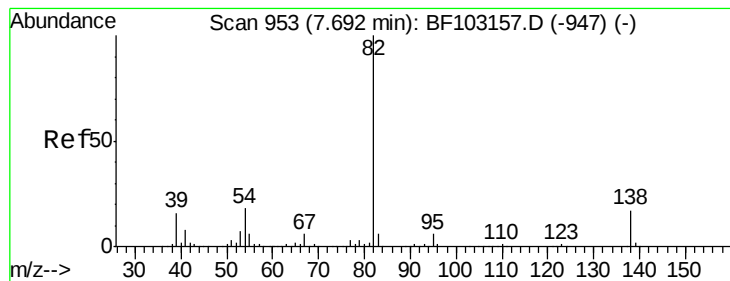
#23
Nitrobenzene-d5
Concen: 91.333 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103602.D
Acq: 13 Mar 2018 14:21

Tgt Ion: 82	Resp:	950774
Ion Ratio	Lower	Upper
82	100	
128	43.2	36.1 54.1
54	60.7	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: 46.579 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103602.D

Acq: 13 Mar 2018 14:21

Instrument :

BNA_F

ClientSampleId :

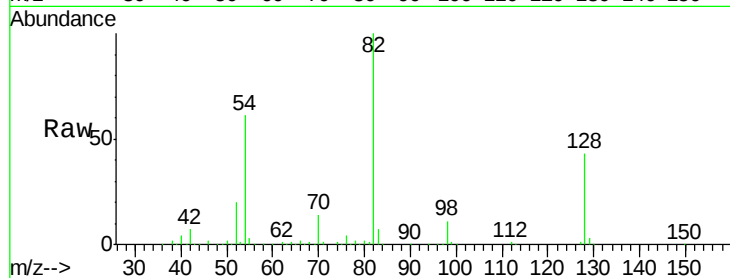
Tot Ion: 82 Resp: 954981

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

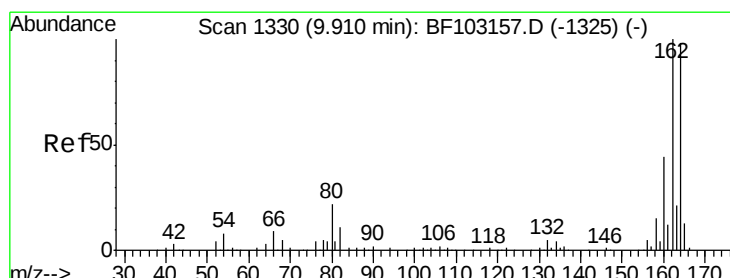
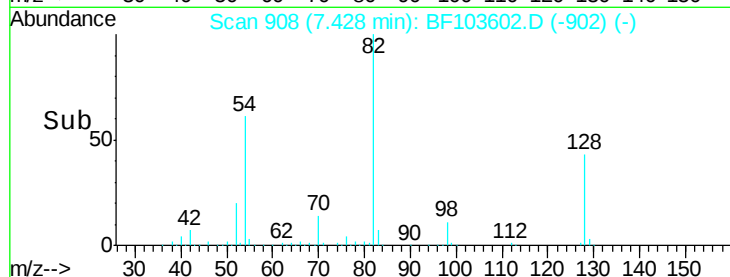
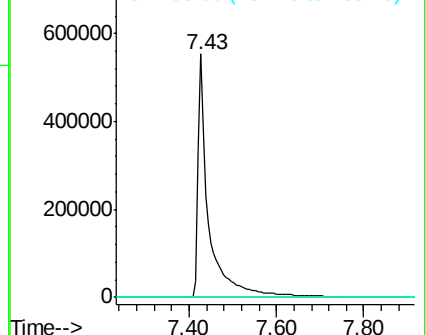
138 0.0 14.9 22.3#



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: BF103602.D

Acq: 13 Mar 2018 14:21

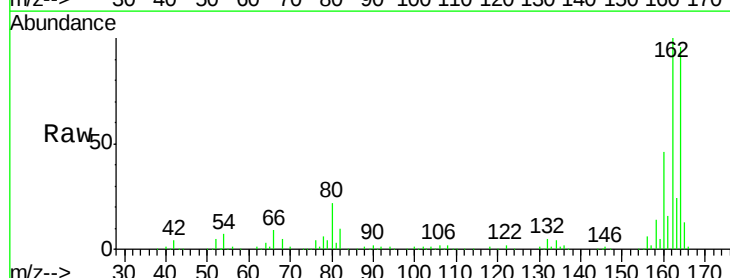
Tgt Ion:164 Resp: 262290

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

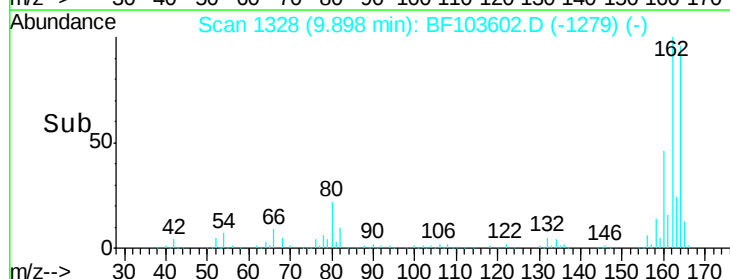
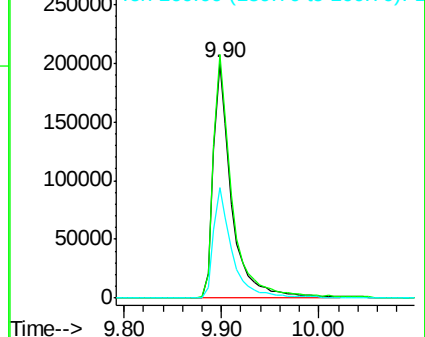
160 47.2 38.3 57.5



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

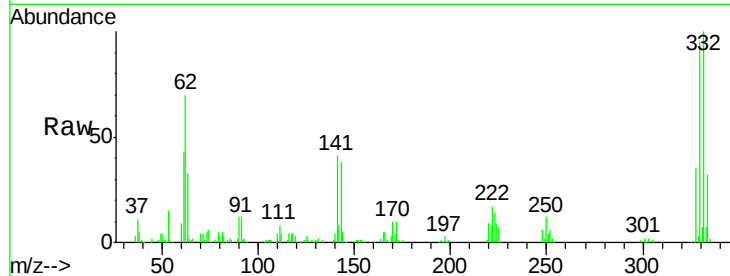




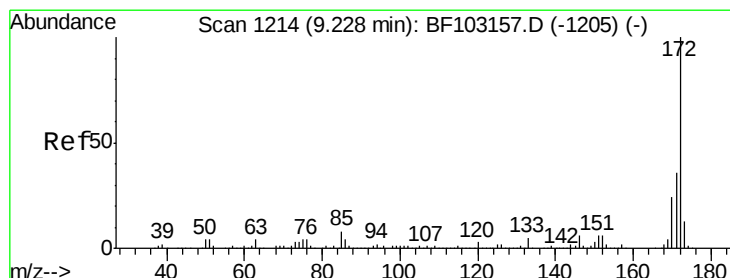
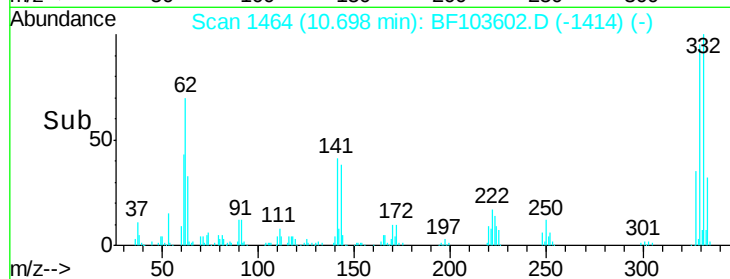
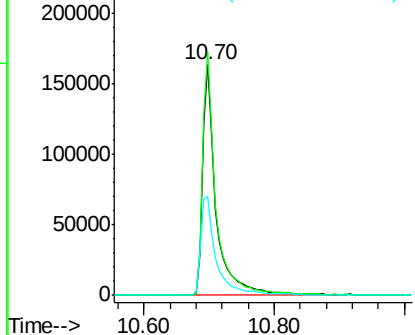
#41
 2,4,6-Tribromophenol
 Concen: 106.684 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103602.D
 Acq: 13 Mar 2018 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.8	77.0	115.6
141	49.6	29.9	44.9

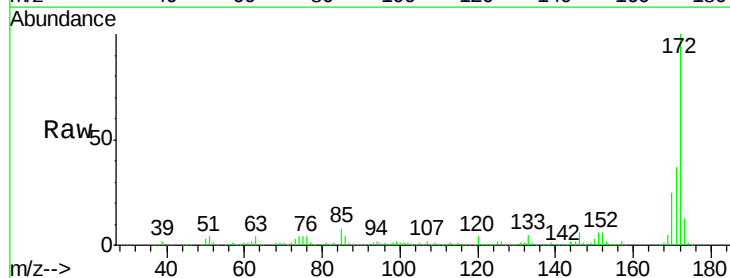


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

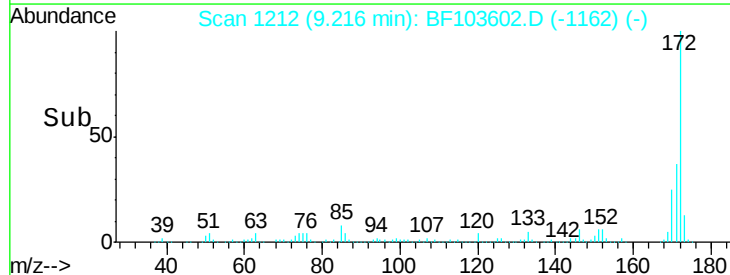
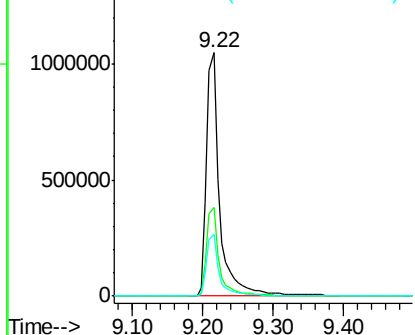


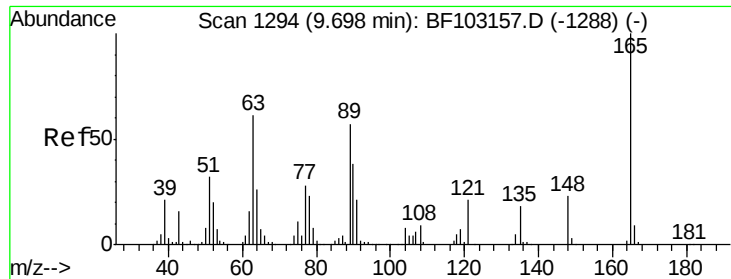
#44
 2-Fluorobiphenyl
 Concen: 91.441 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103602.D
 Acq: 13 Mar 2018 14:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	25.4	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

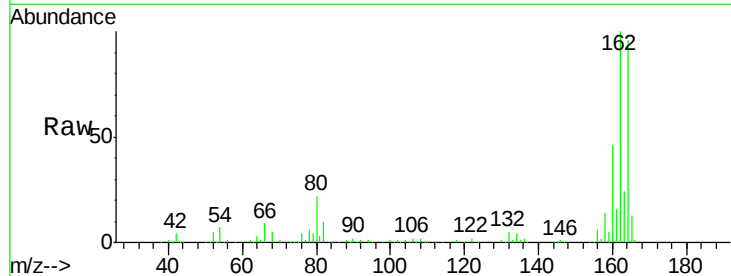




#50
 2,6-Dinitrotoluene
 Concen: 7.542 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.19 min
 Lab File: BF103602.D
 Acq: 13 Mar 2018 14:21

Instrument :
 BNA_F
 ClientSampleId :

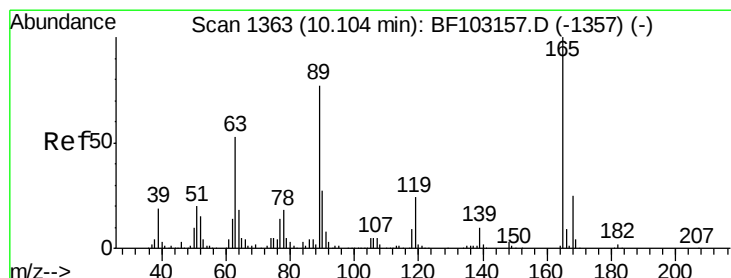
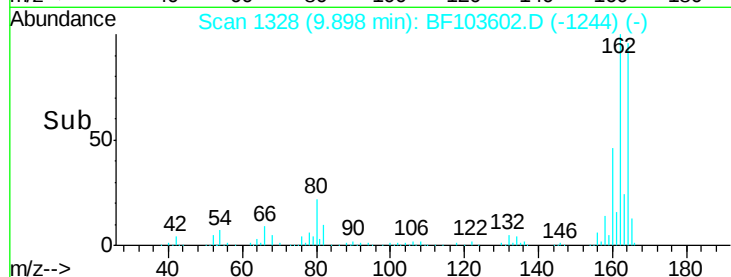
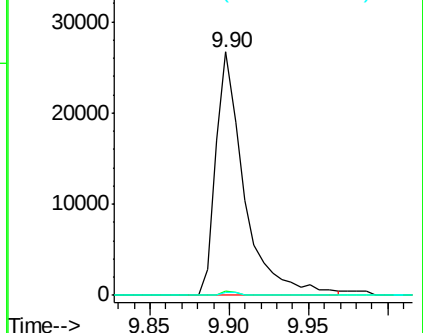
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.5	44.0	66.0#



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: 6.049 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.22 min
 Lab File: BF103602.D
 Acq: 13 Mar 2018 14:21

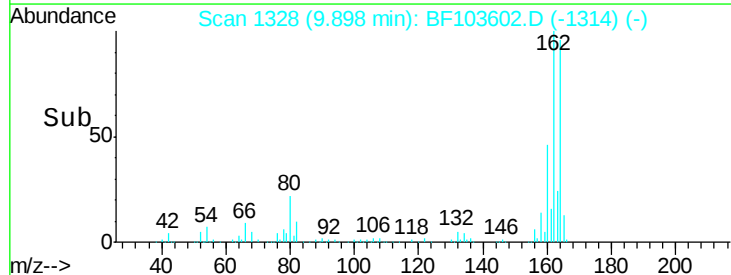
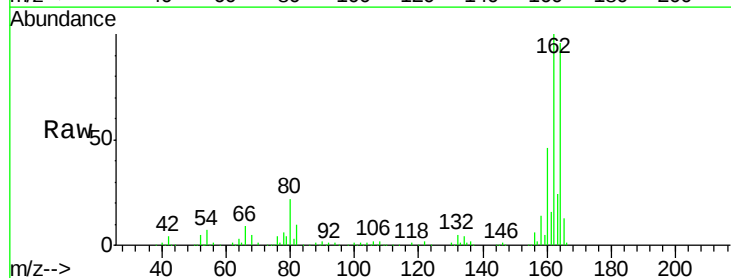
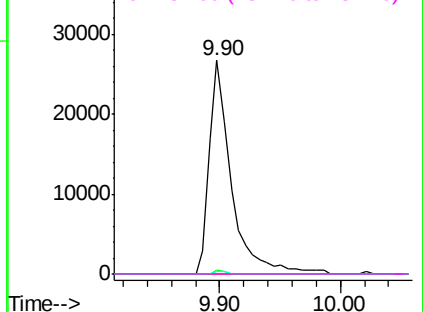
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

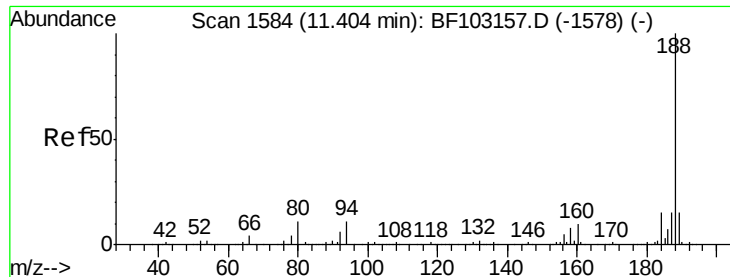
Abundance Ion 165.00 (164.70 to 165.70): E

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

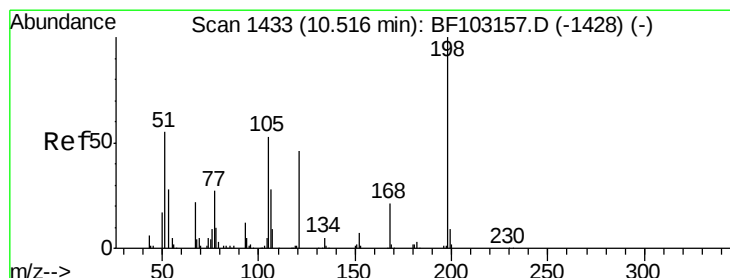
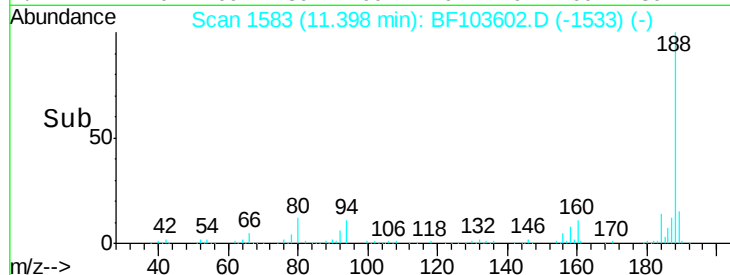
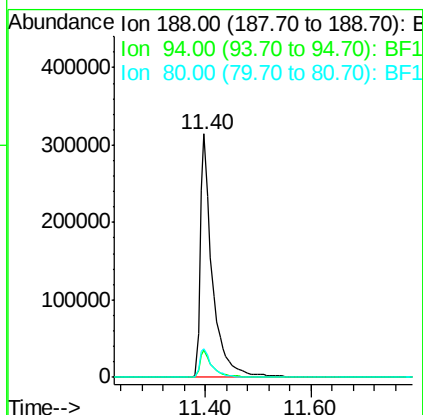
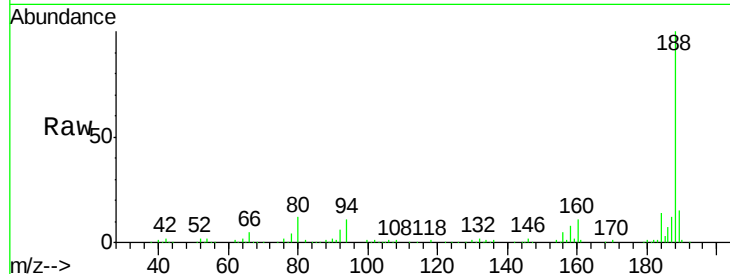




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103602.D
Acq: 13 Mar 2018 14:21

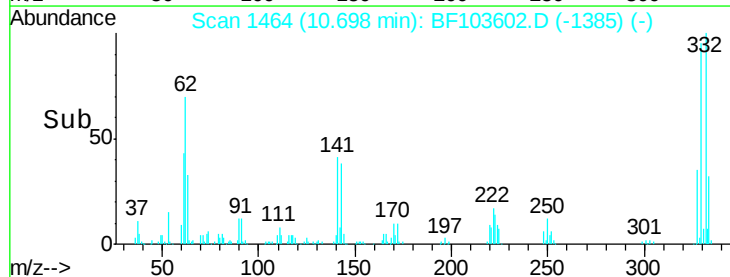
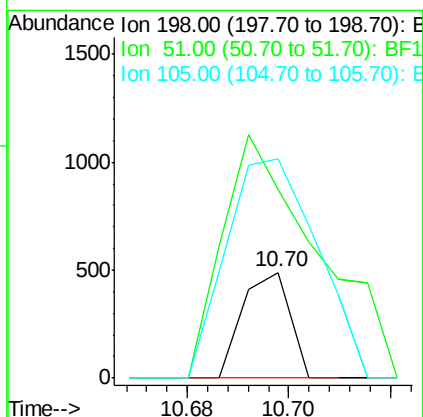
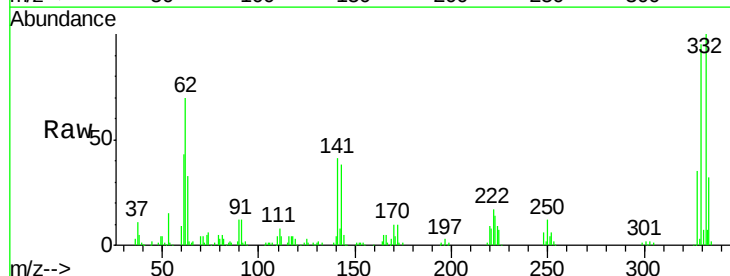
Instrument :
BNA_F
ClientSampleId :

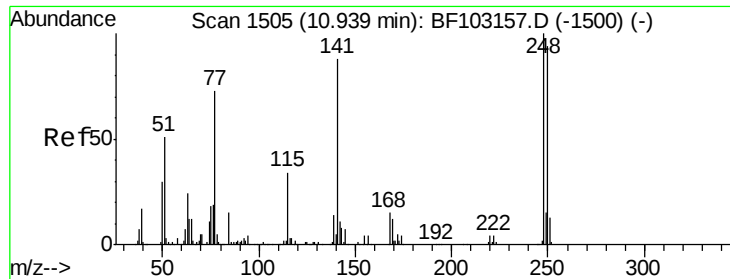
Tot Ion:188 Resp: 501326
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 11.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.039 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.16 min
Lab File: BF103602.D
Acq: 13 Mar 2018 14:21

Tgt Ion:198 Resp: 317
Ion Ratio Lower Upper
198 100
51 178.6 37.7 77.7#
105 207.6 36.3 76.3#

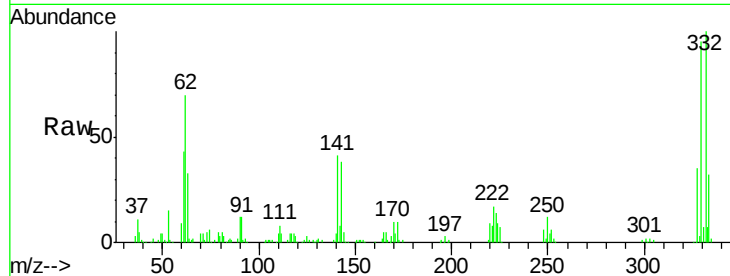




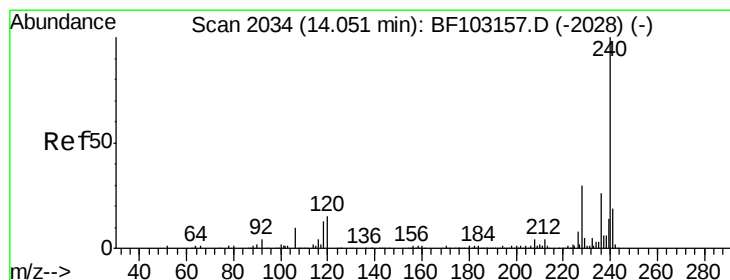
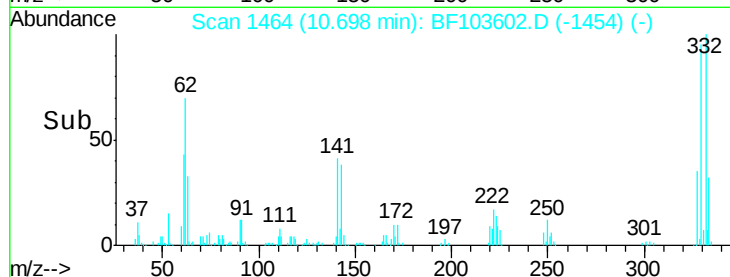
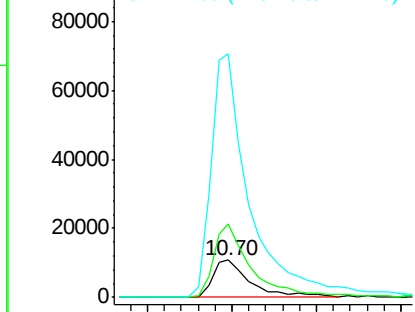
#66
4-Bromophenyl-phenylether
Concen: 3.200 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103602.D
Acq: 13 Mar 2018 14:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16709
Ion Ratio Lower Upper
248 100
250 196.7 76.9 115.3#
141 649.6 74.4 111.6#

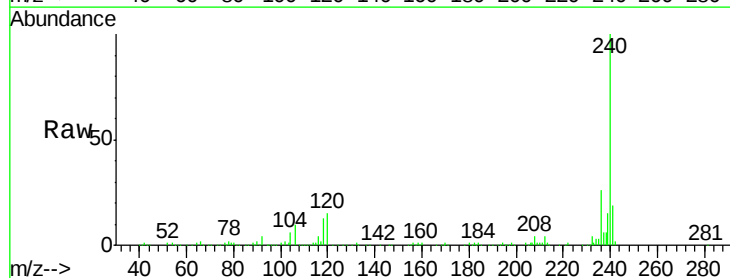


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

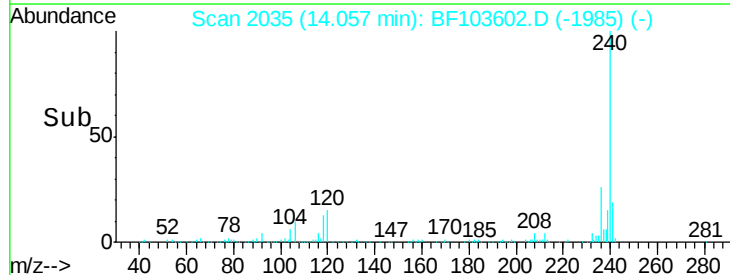
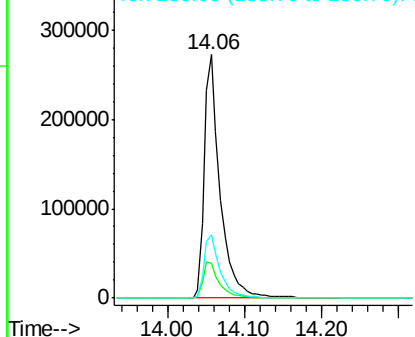


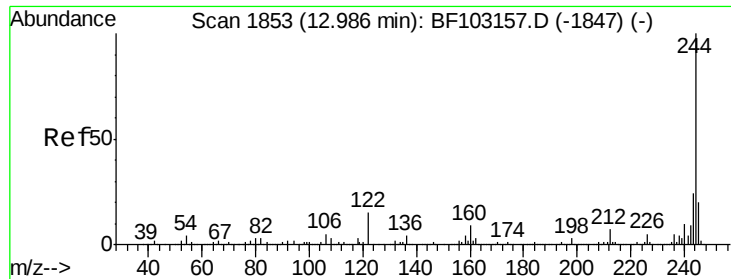
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF103602.D
Acq: 13 Mar 2018 14:21

Tgt Ion:240 Resp: 386582
Ion Ratio Lower Upper
240 100
120 14.6 9.5 14.3#
236 26.0 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: 76.016 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103602.D

Acq: 13 Mar 2018 14:21

Instrument :

BNA_F

ClientSampleId :

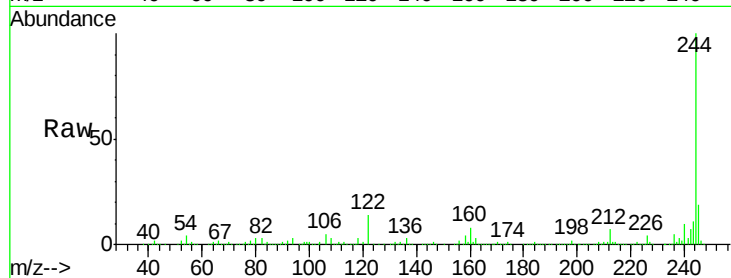
Tot Ion:244 Resp: 1222463

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

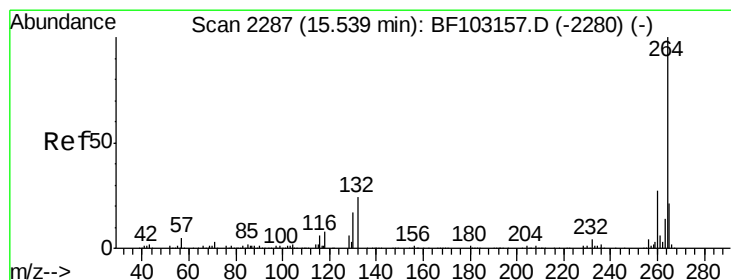
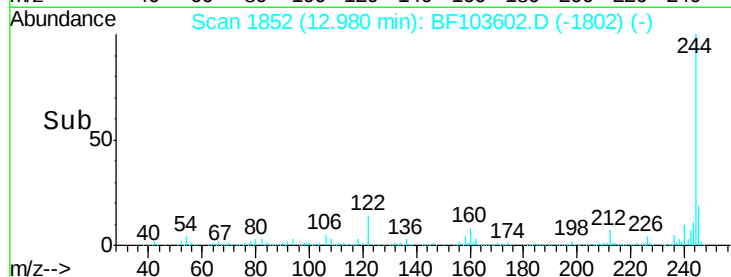
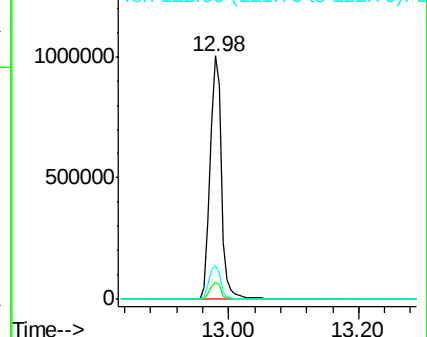
122 14.0 11.0 16.4



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# 2291

Delta R.T. -0.01 min

Lab File: BF103602.D

Acq: 13 Mar 2018 14:21

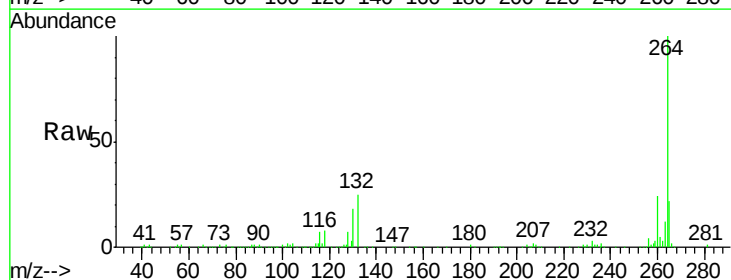
Tgt Ion:264 Resp: 384044

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.6 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

