

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032218\
 Data File : BF103847.D
 Acq On : 22 Mar 2018 13:14
 Operator : JU/SJ
 Sample : J1999-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 22 15:37:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 11:56:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	132733	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	544772	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	259153	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	477965	20.00	ng	0.00
75) Chrysene-d12	14.18	240	368620	20.00	ng	0.02
86) Perylene-d12	15.76	264	310153	20.00	ng	0.06

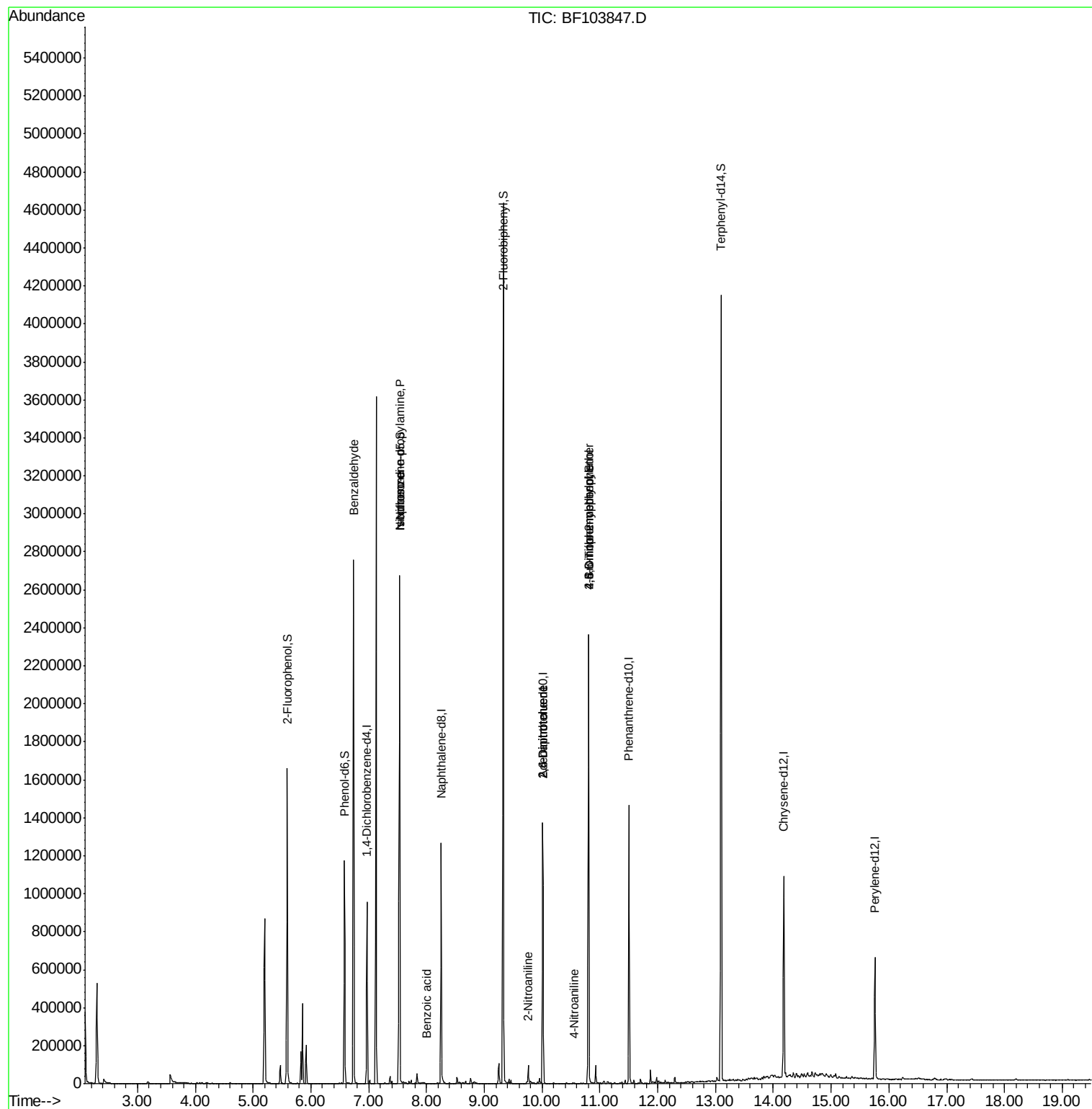
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	477012	54.66	ng	0.00
7) Phenol-d6	6.58	99	366418	34.32	ng	-0.02
23) Nitrobenzene-d5	7.53	82	983672	125.92	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	294701	132.26	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1661160	102.25	ng	0.00
78) Terphenyl-d14	13.10	244	1675952	105.53	ng	0.00

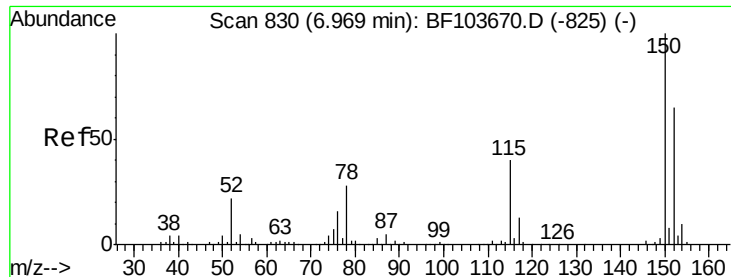
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	16234	2.314	ng	84
19) n-Nitroso-di-n-propylamine	7.53	70	128675	18.806	ng	# 71
25) Isophorone	7.53	82	983649	54.393	ng	# 64
32) Benzoic acid	8.00	122	231	9.939	ng	# 1
47) 2-Nitroaniline	9.76	65	981	7.002	ng	# 2
50) 2,6-Dinitrotoluene	10.01	165	33599	12.039	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	33599	12.250	ng	# 23
61) 4-Nitroaniline	10.56	138	123	3.775	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	561	8.468	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	17711	3.609	ng	# 1

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

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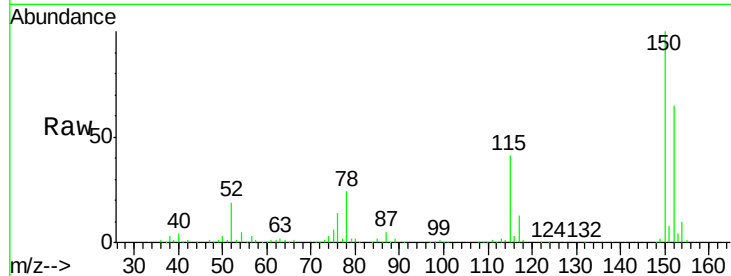




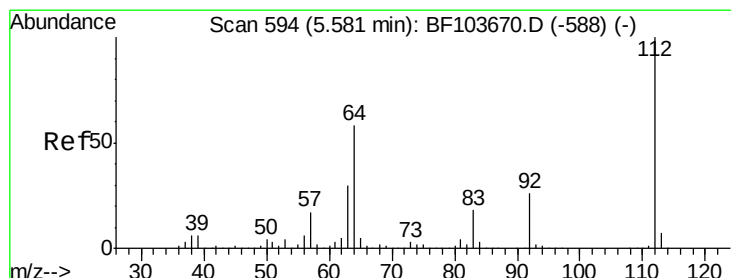
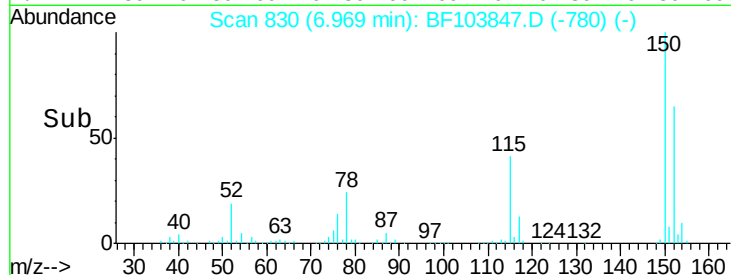
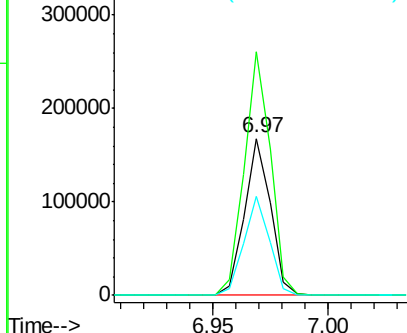
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103847.D
Acq: 22 Mar 2018 13:14

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	62.9	50.1	75.1



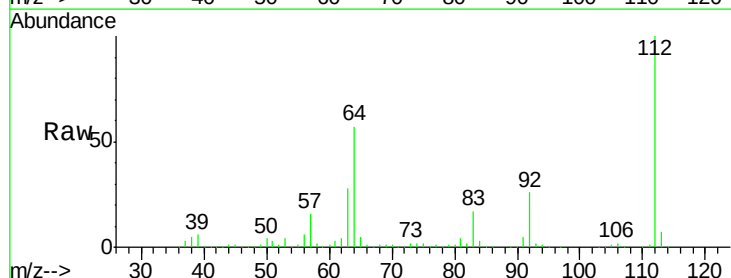
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



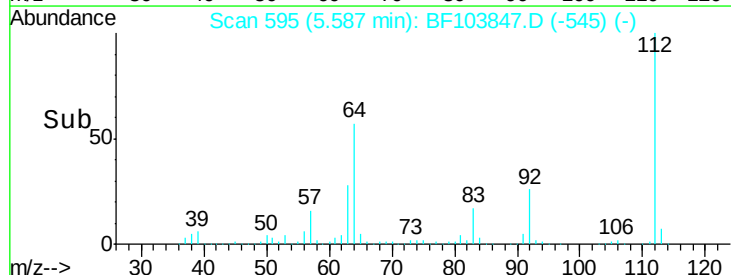
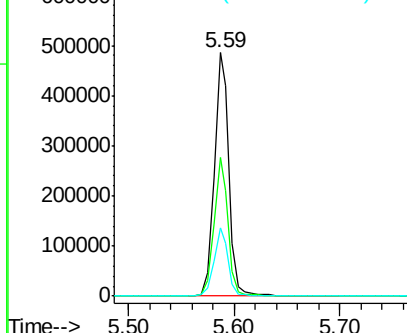
#5

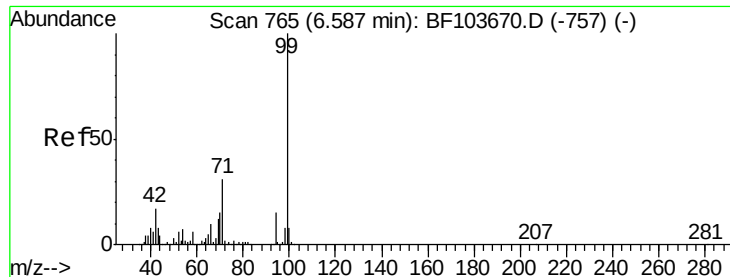
2-Fluorophenol
Concen: 54.661 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF103847.D
Acq: 22 Mar 2018 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	27.8	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: 34.320 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF103847.D

Acq: 22 Mar 2018 13:14

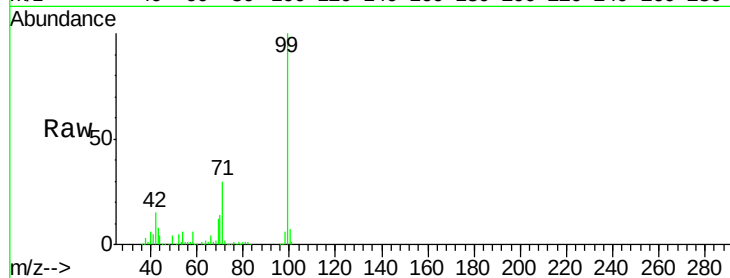
Tot Ion: 99 Resp: 366418

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

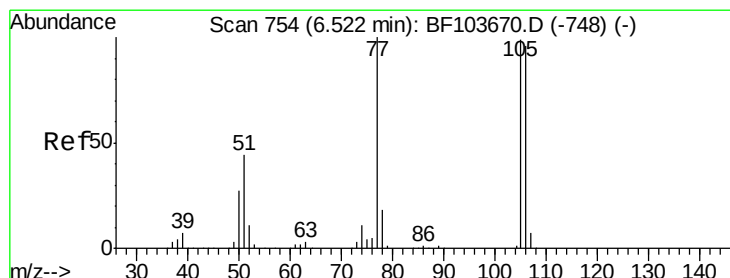
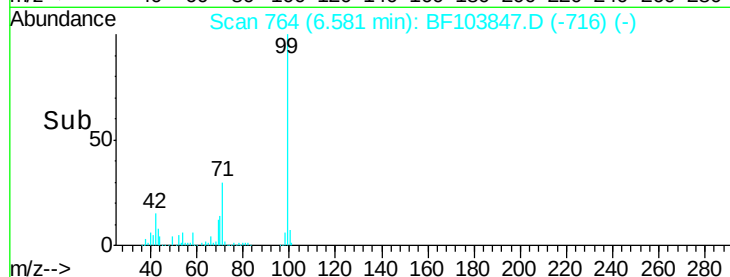
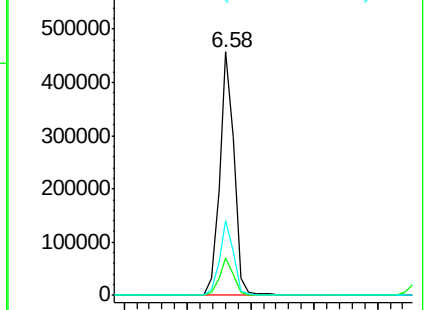
71 30.5 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.314 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.21 min

Lab File: BF103847.D

Acq: 22 Mar 2018 13:14

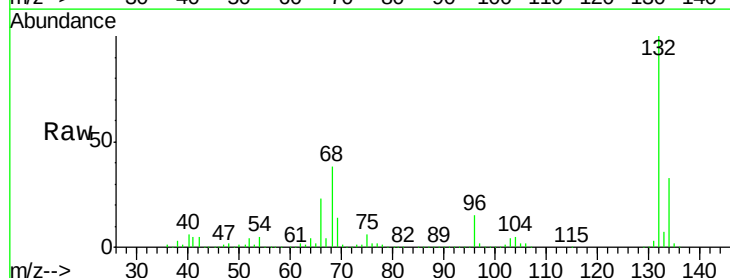
Tgt Ion: 77 Resp: 16234

Ion Ratio Lower Upper

77 100

105 84.8 81.1 121.1

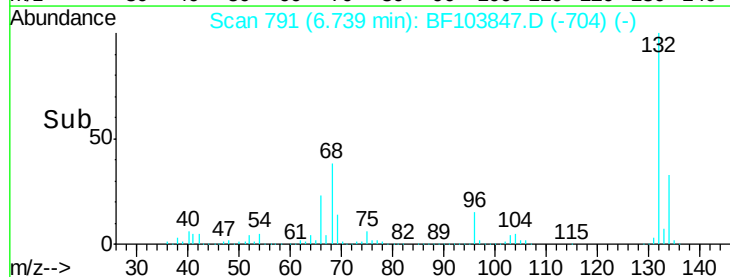
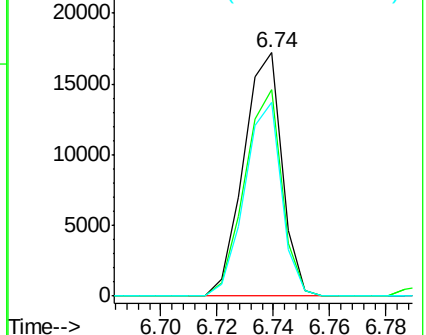
106 79.4 74.5 114.5

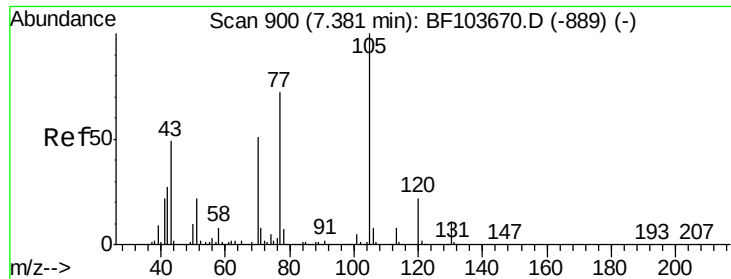


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 18.806 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103847.D

Acq: 22 Mar 2018 13:14

Tot Ion: 70 Resp: 128675

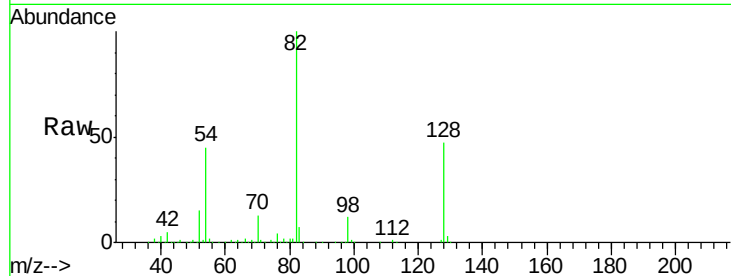
Ion	Ratio	Lower	Upper
70	100		
42	40.2	47.5	71.3#
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#

70 100

42 40.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



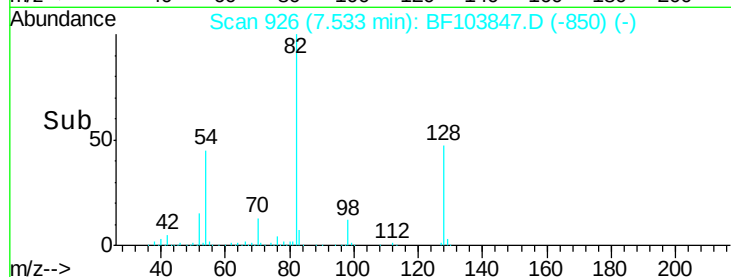
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

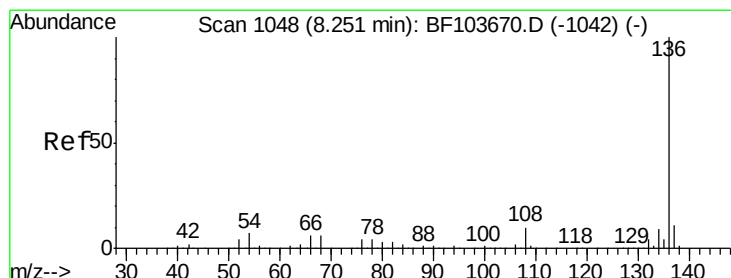
Ion 130.00 (129.70 to 130.70): BF1

Time-->



Abundance

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103847.D

Acq: 22 Mar 2018 13:14

Tgt Ion: 136 Resp: 544772

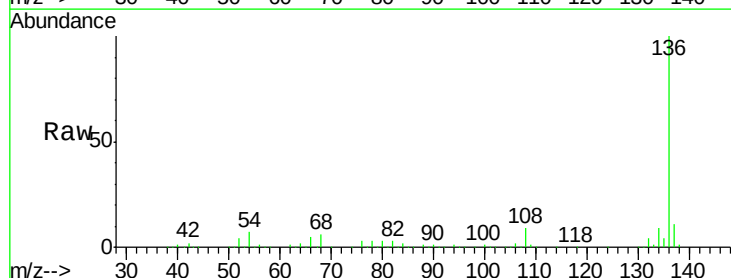
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.2	6.6	9.8
68	6.5	5.0	7.4

136 100

137 11.0 8.9 13.3

54 7.2 6.6 9.8

68 6.5 5.0 7.4



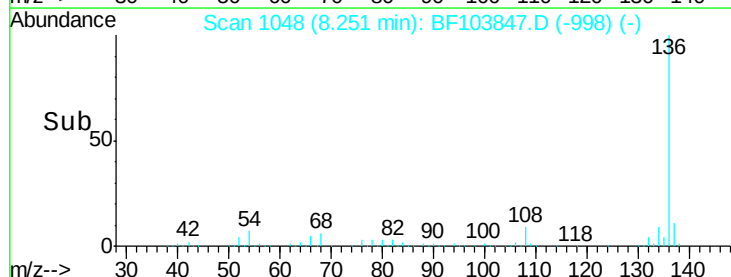
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

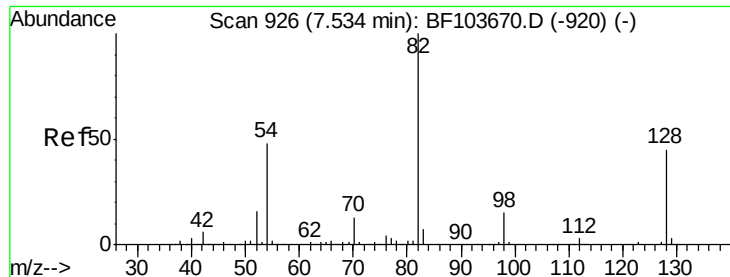
Ion 68.00 (67.70 to 68.70): BF1

Time-->



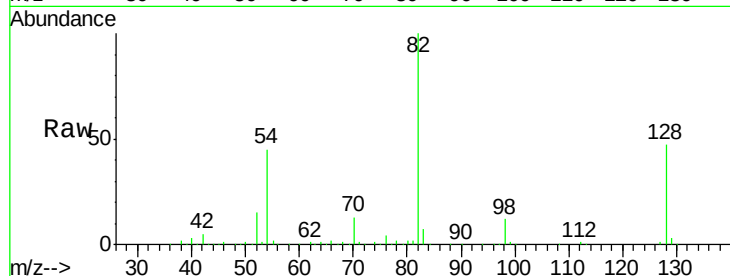
Abundance

Time-->

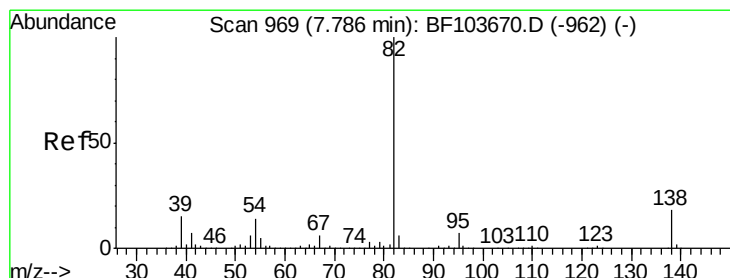
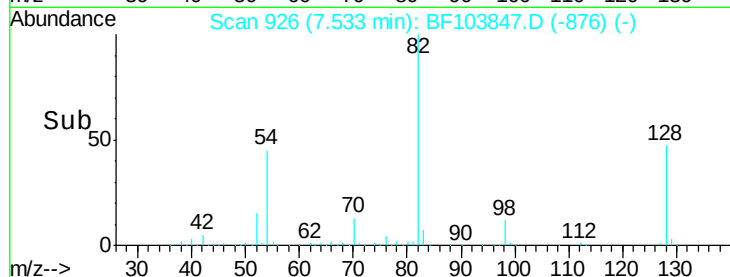
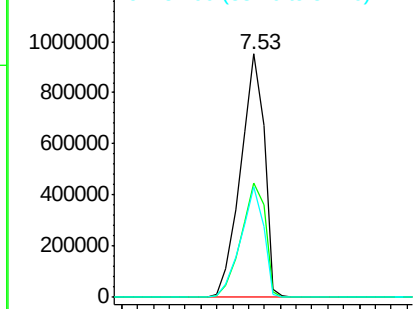


#23
 Nitrobenzene-d5
 Concen: 125.919 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

Tot Ion: 82 Resp: 983672
 Ion Ratio Lower Upper
 82 100
 128 47.2 36.1 54.1
 54 45.3 41.4 62.2

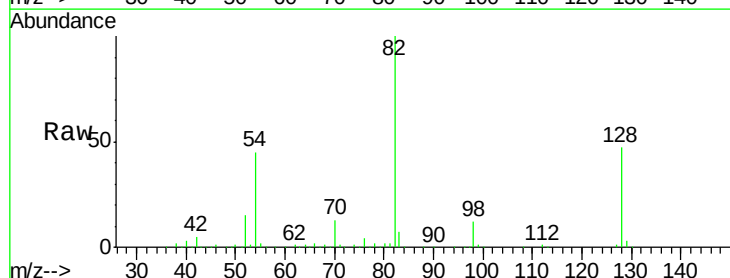


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

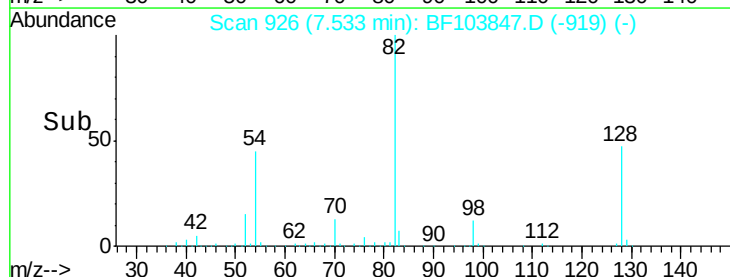
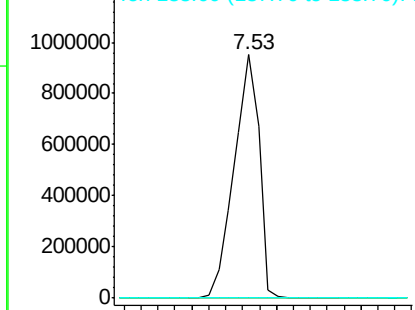


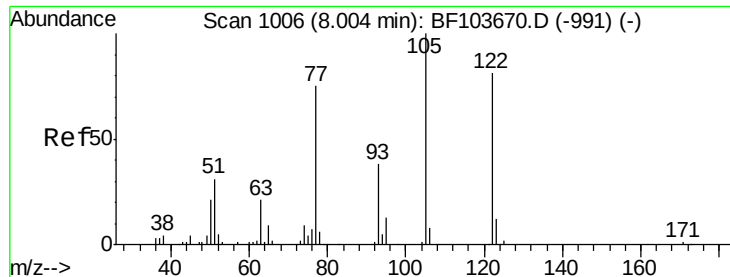
#25
 Isophorone
 Concen: 54.393 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.26 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

Tgt Ion: 82 Resp: 983649
 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: 9.939 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF103847.D

Acq: 22 Mar 2018 13:14

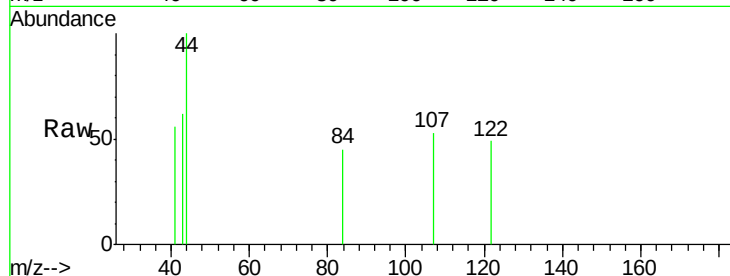
Tot Ion:122 Resp: 231

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

Time-->

7.99 8.00 8.01 8.02

400

300

200

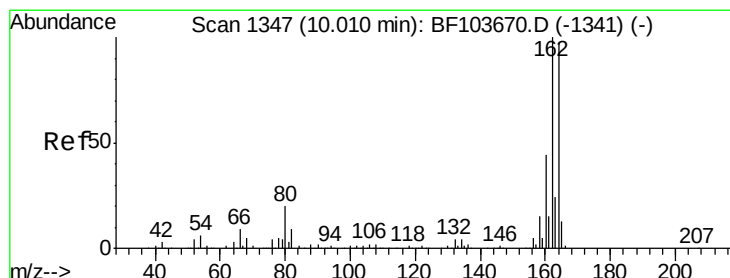
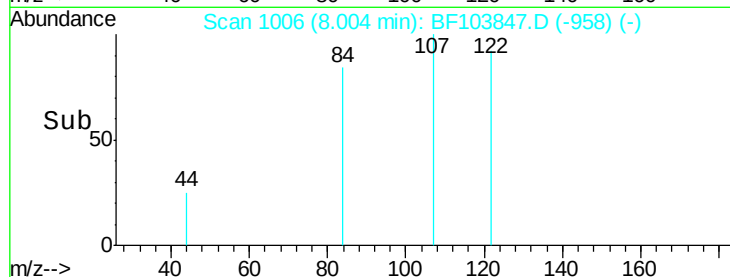
100

0

8.00

Time-->

7.99 8.00 8.01 8.02



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF103847.D

Acq: 22 Mar 2018 13:14

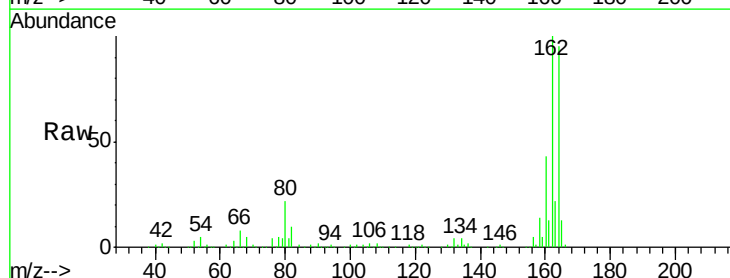
Tgt Ion:164 Resp: 259153

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

160 45.6 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

Time-->

9.95 10.00 10.05 10.10

400000

300000

200000

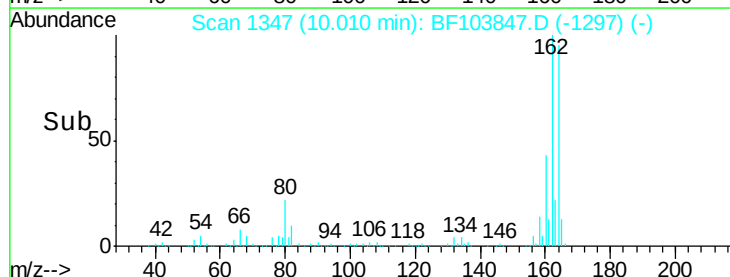
100000

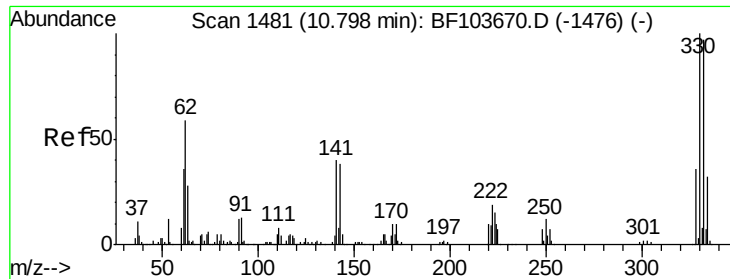
0

10.01

Time-->

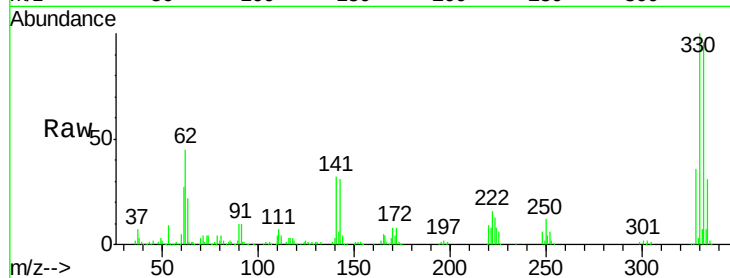
9.95 10.00 10.05 10.10



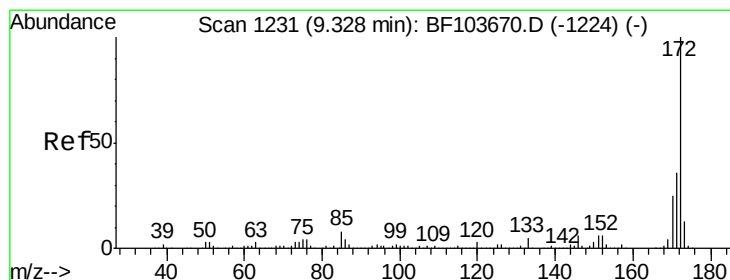
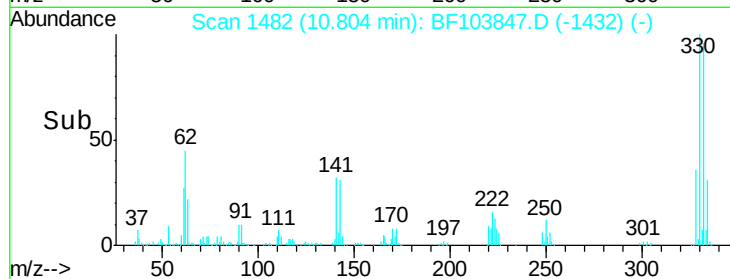
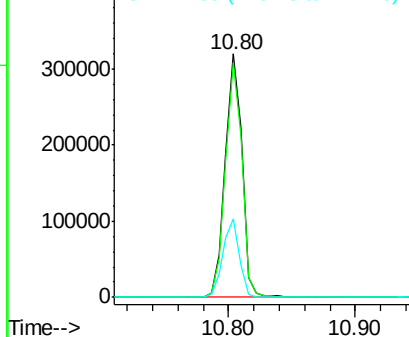


#41
 2,4,6-Tribromophenol
 Concen: 132.259 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	32.2	29.9	44.9

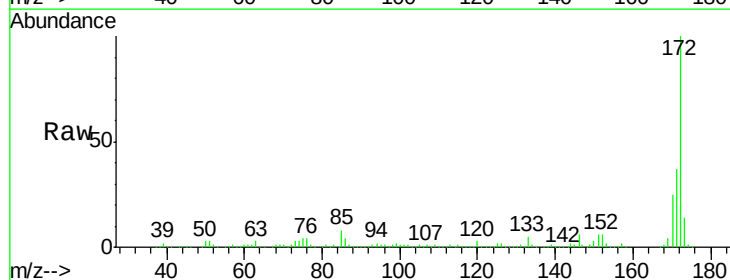


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

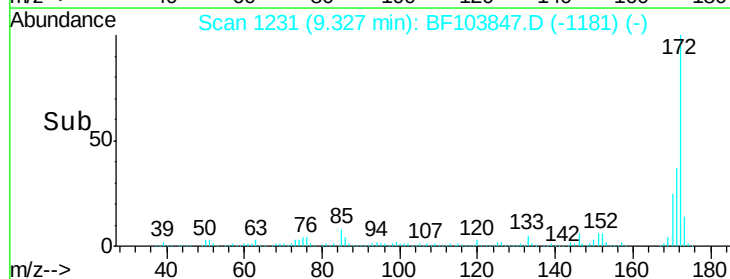
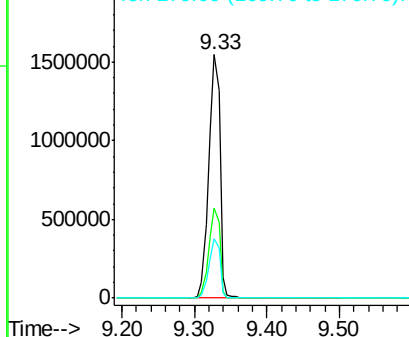


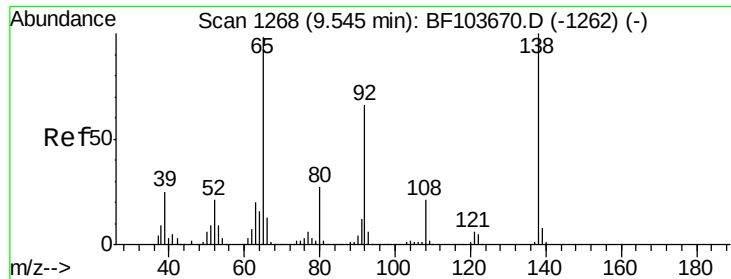
#44
 2-Fluorobiphenyl
 Concen: 102.248 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.5	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





#47

2-Nitroaniline

Concen: 7.002 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF103847.D

Acq: 22 Mar 2018 13:14

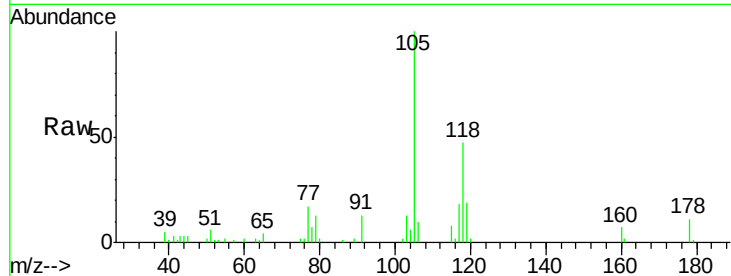
Tot Ion: 65 Resp: 981

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

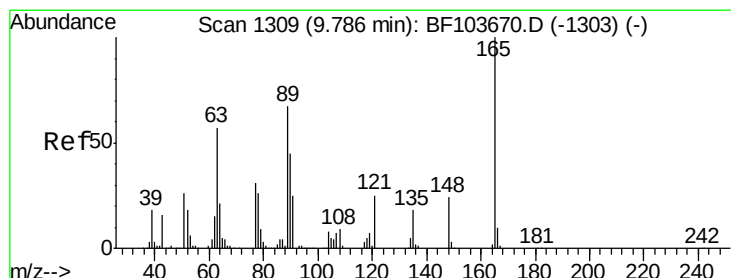
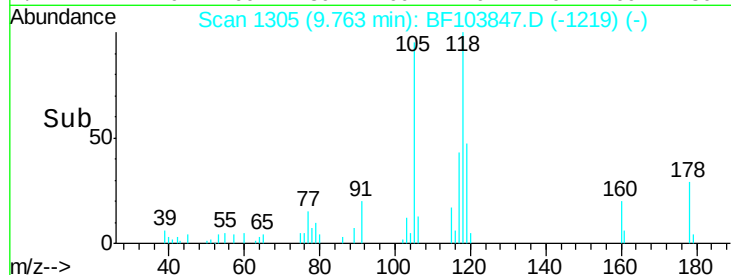
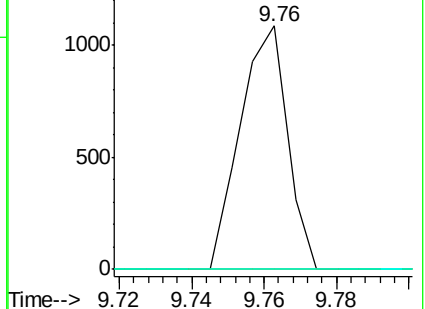
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#50

2,6-Dinitrotoluene

Concen: 12.039 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF103847.D

Acq: 22 Mar 2018 13:14

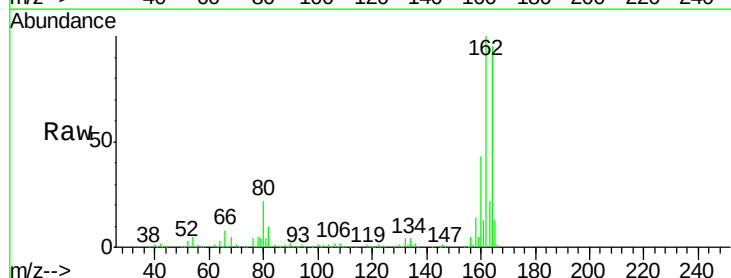
Tgt Ion:165 Resp: 33599

Ion Ratio Lower Upper

165 100

63 0.9 44.7 67.1#

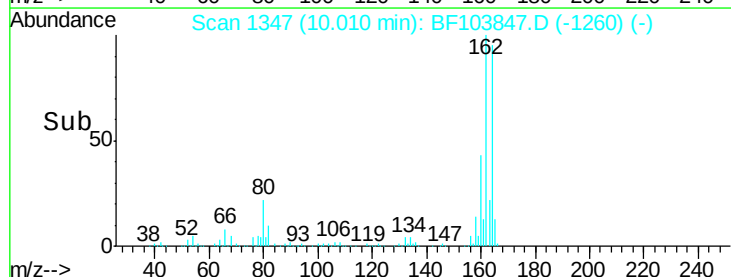
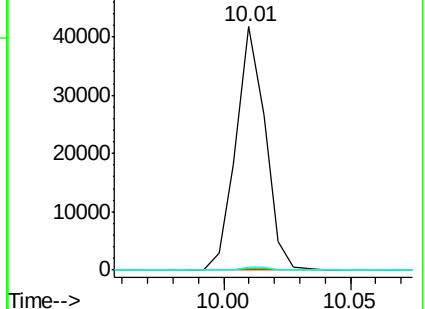
89 1.3 44.0 66.0#

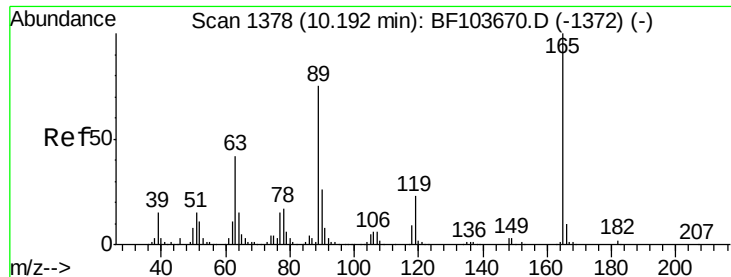


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

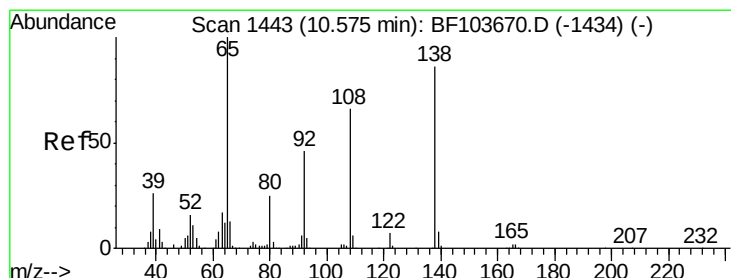
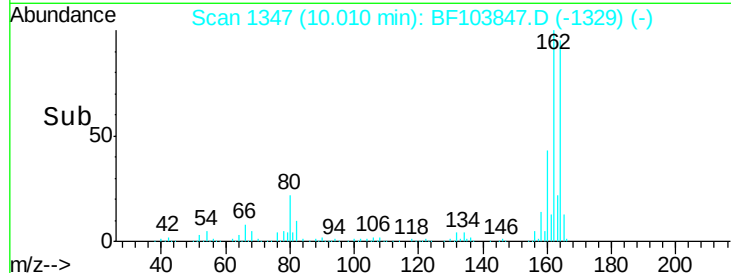
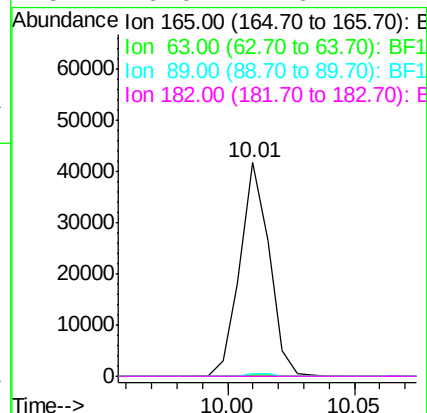
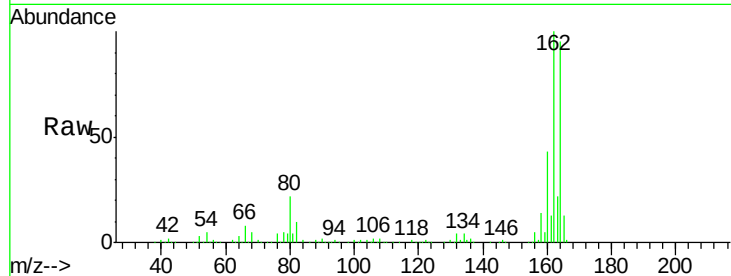
Ion 89.00 (88.70 to 89.70): BF1





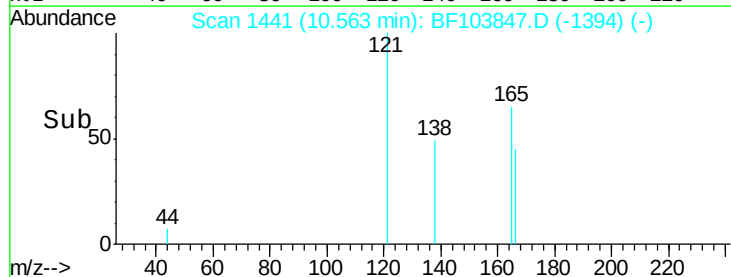
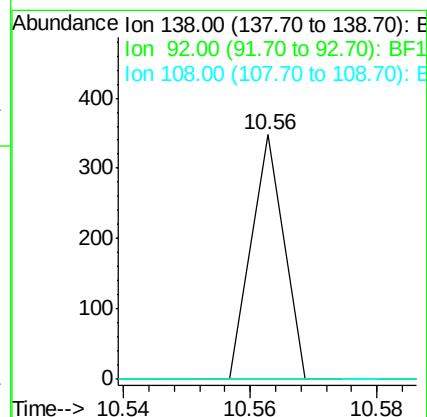
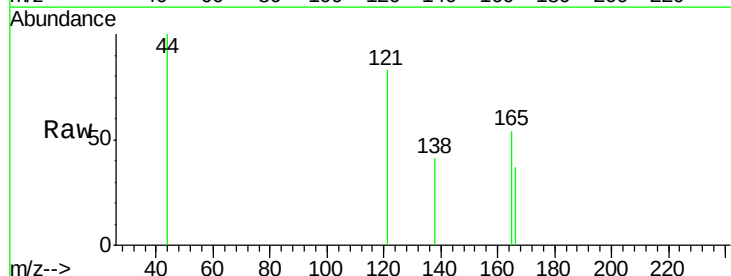
#56
 2,4-Dinitrotoluene
 Concen: 12.250 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.19 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

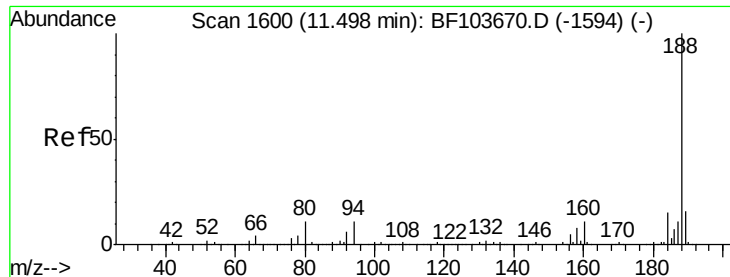
Tot Ion:	165	Resp:	33599
Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#61
 4-Nitroaniline
 Concen: 3.775 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.02 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

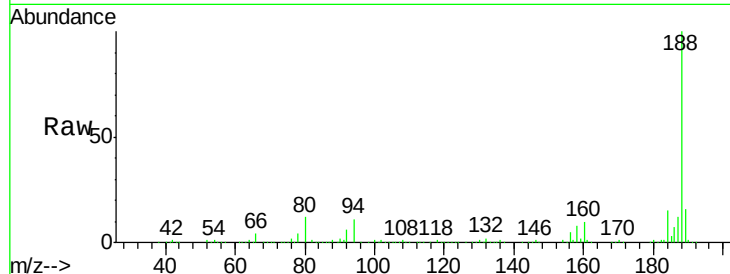
Tgt Ion:	138	Resp:	123
Ion	Ratio	Lower	Upper
138	100		
92	0.0	30.2	70.2#
108	0.0	52.5	92.5#



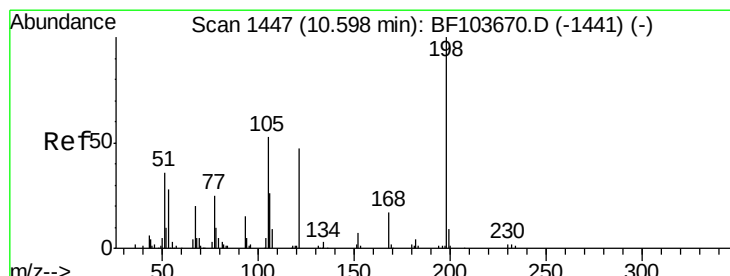
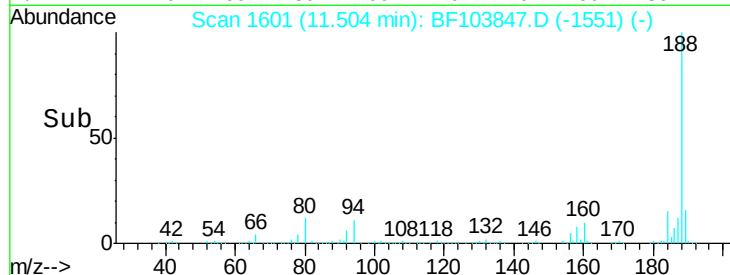
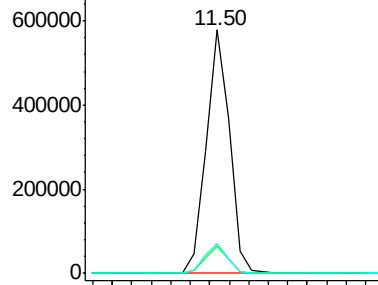


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.1	9.2	13.8

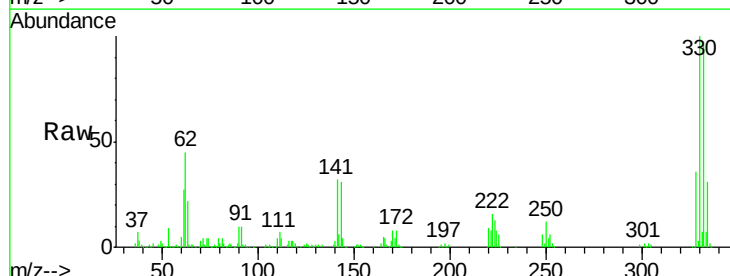


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

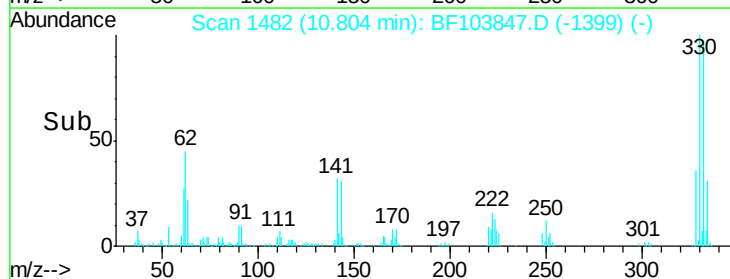
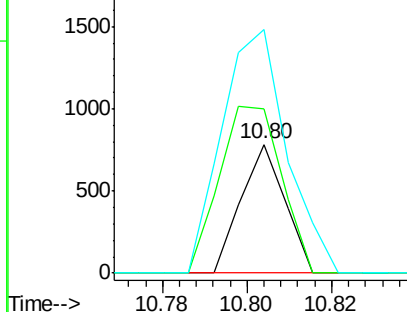


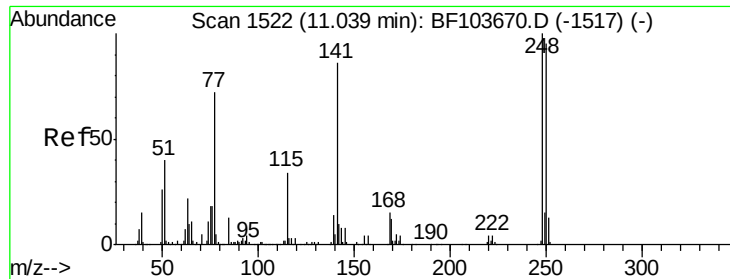
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.468 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

Tgt Ion	Ratio	Lower	Upper
198	100		
51	127.2	37.7	77.7#
105	188.9	36.3	76.3#



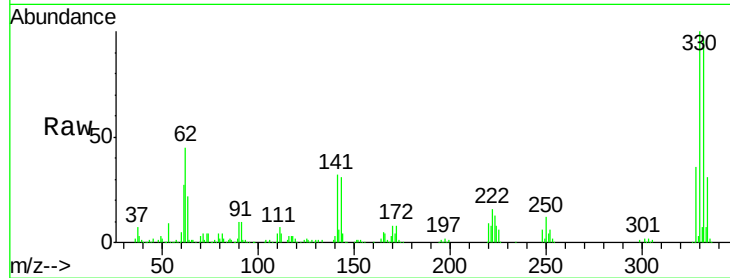
Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E



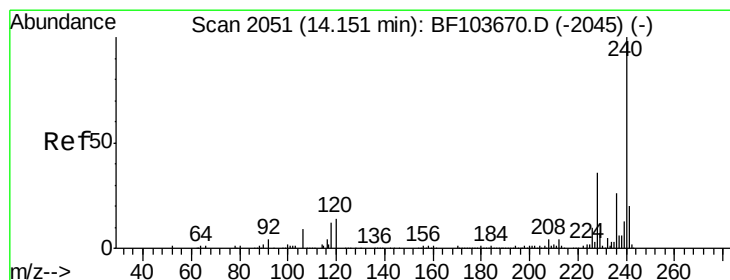
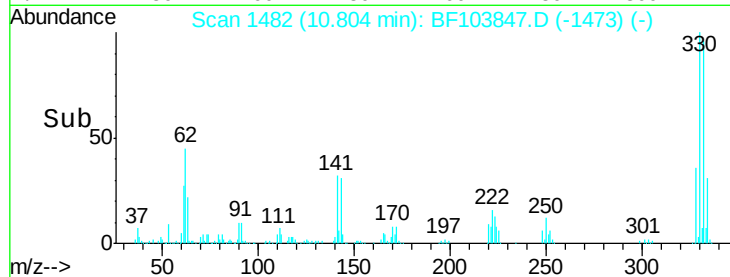
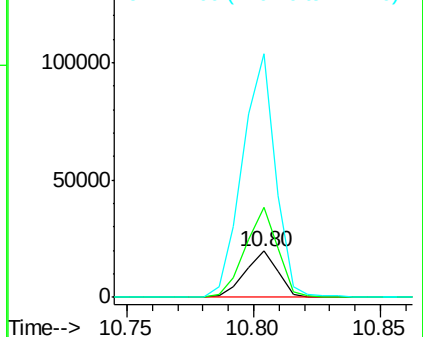


#66
4-Bromophenyl-phenylether
Concen: 3.609 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103847.D
Acq: 22 Mar 2018 13:14

Tot Ion:248 Resp: 17711
Ion Ratio Lower Upper
248 100
250 194.8 76.9 115.3#
141 529.3 74.4 111.6#

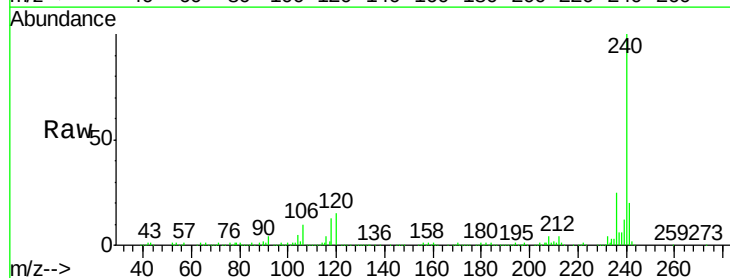


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

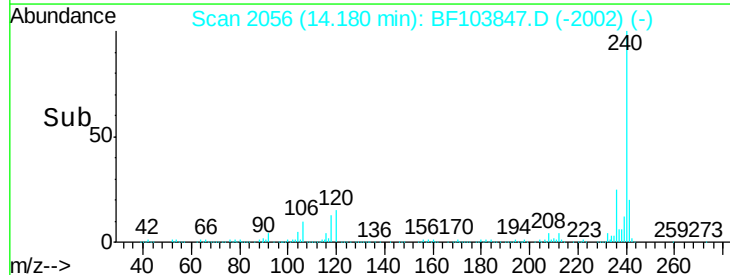
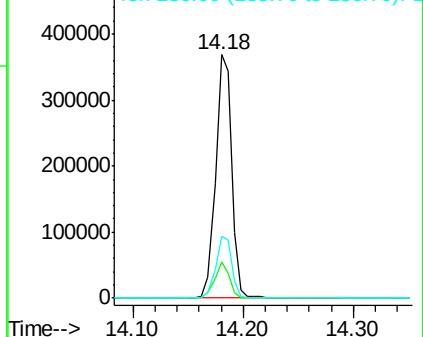


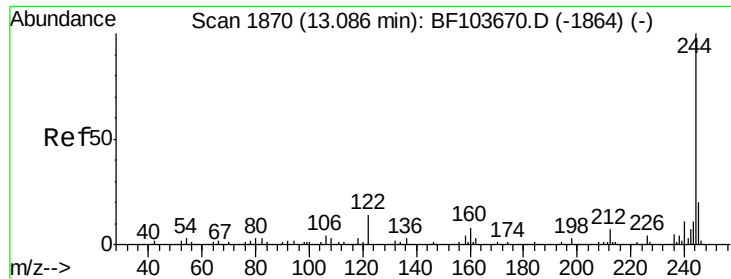
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.18 min Scan# 2056
Delta R.T. 0.02 min
Lab File: BF103847.D
Acq: 22 Mar 2018 13:14

Tgt Ion:240 Resp: 368620
Ion Ratio Lower Upper
240 100
120 14.9 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

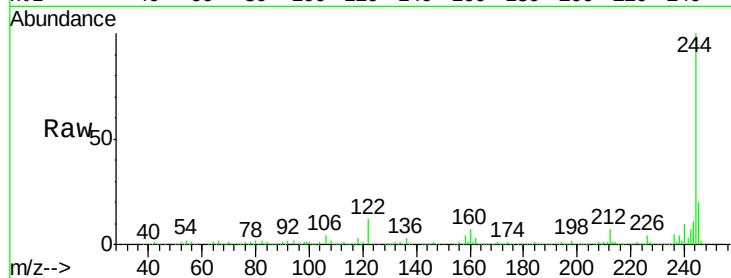




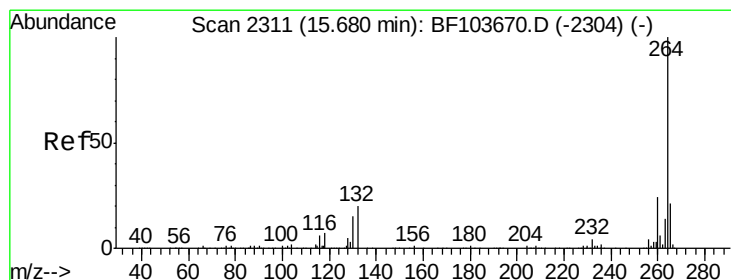
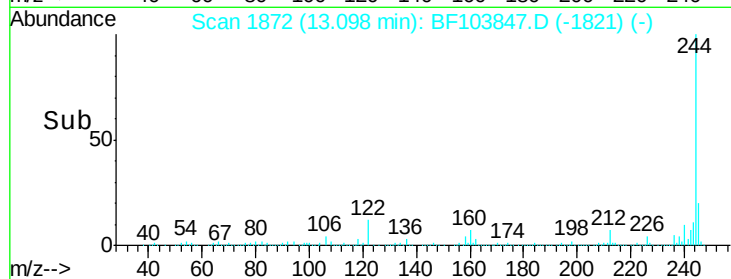
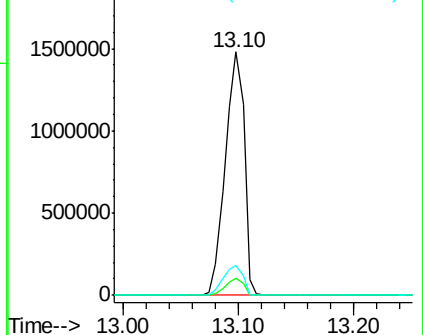
#78
 Terphenyl-d14
 Concen: 105.532 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

Tot Ion:244 Resp: 1675952

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.3	11.0	16.4



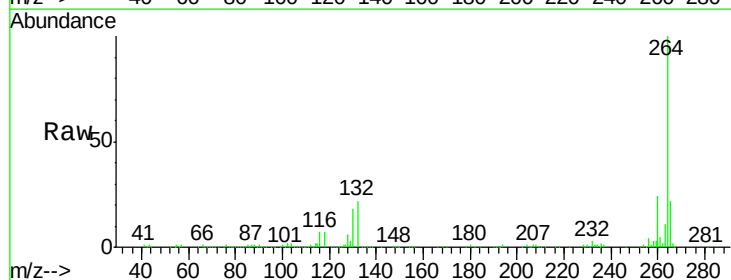
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.76 min Scan# 2324
 Delta R.T. 0.06 min
 Lab File: BF103847.D
 Acq: 22 Mar 2018 13:14

Tgt Ion:264 Resp: 310153

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.1	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

