

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103143.D
 Acq On : 21 Feb 2018 18:18
 Operator : SJ/JU
 Sample : J1623-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 22 00:36:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

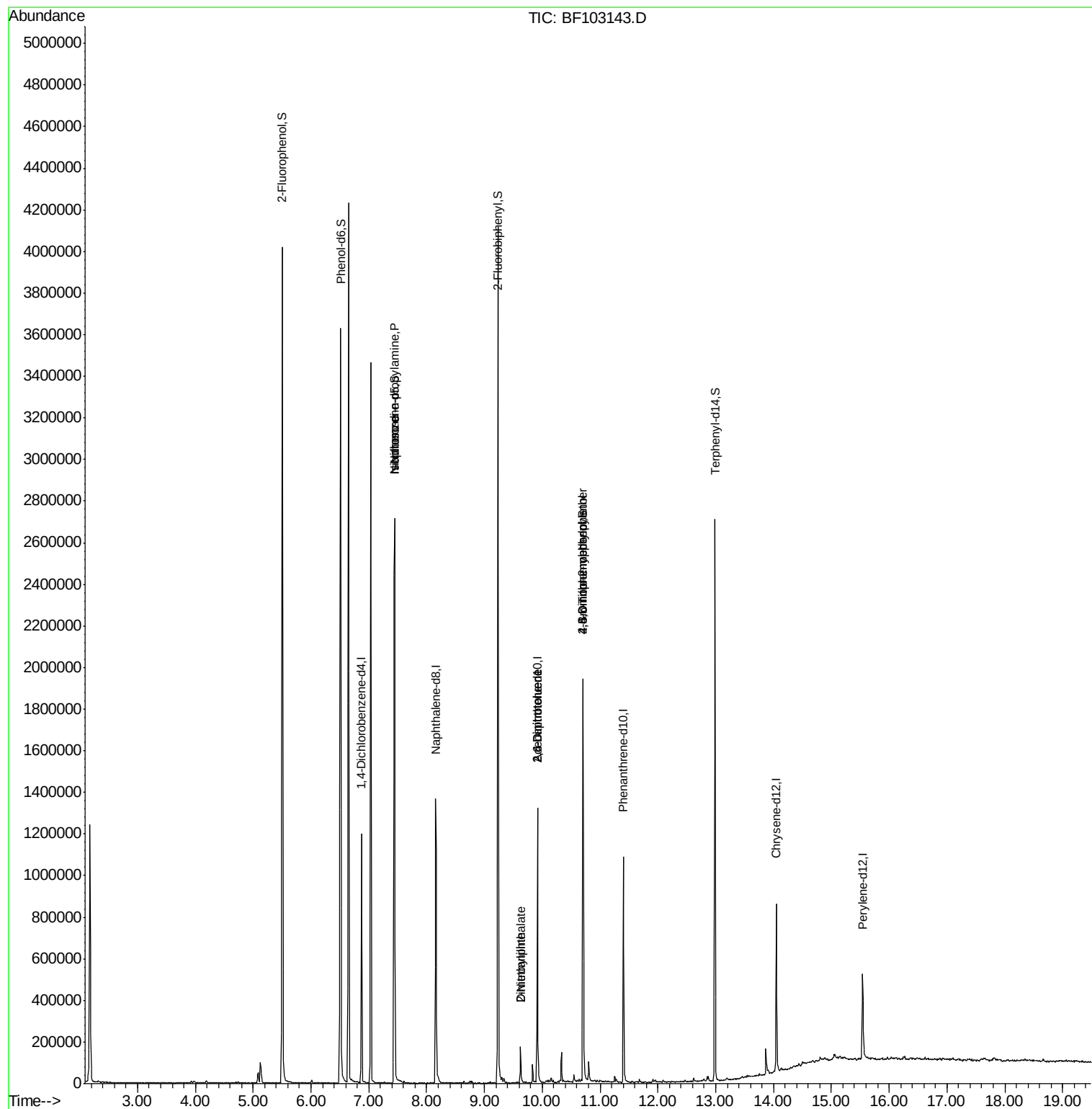
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161054	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	664569	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	272595	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	386183	20.00	ng	0.00
75) Chrysene-d12	14.05	240	284419	20.00	ng	0.00
86) Perylene-d12	15.54	264	217926	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1282090	120.90	ng	0.01
7) Phenol-d6	6.52	99	1523222	119.29	ng	0.00
23) Nitrobenzene-d5	7.45	82	980679	102.37	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	250617	114.22	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1373342	83.60	ng	0.00
78) Terphenyl-d14	12.99	244	924368	76.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	126795	15.061	ng	# 81
25) Isophorone	7.45	82	980673	44.456	ng	# 64
47) 2-Nitroaniline	9.62	65	756	3.598	ng	# 1
49) Dimethylphthalate	9.63	163	76759	3.611	ng	# 99
50) 2,6-Dinitrotoluene	9.92	165	33892	8.381	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	33892	8.924	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	536	9.101	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	16658	4.078	ng	# 1

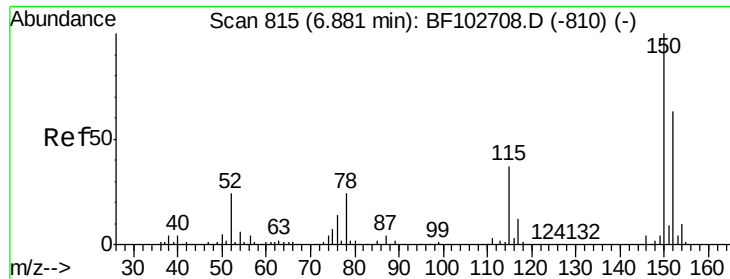
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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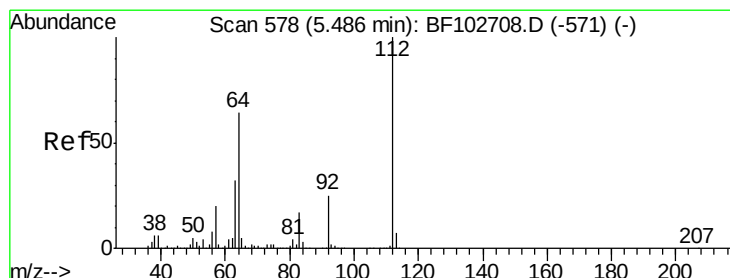
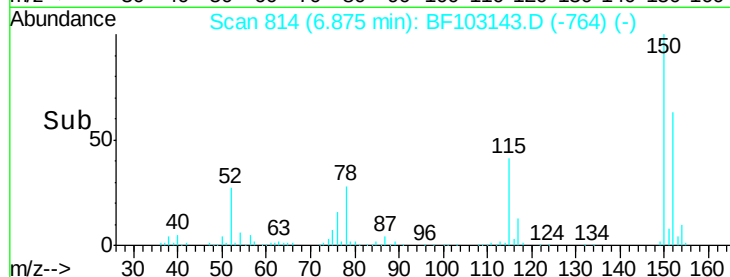
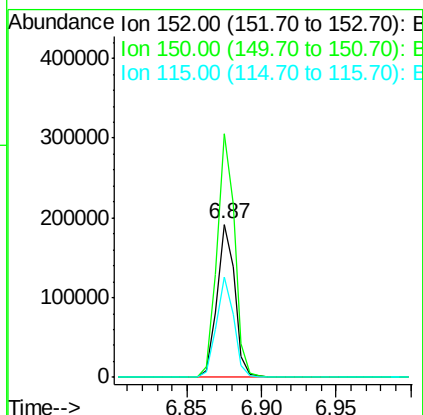
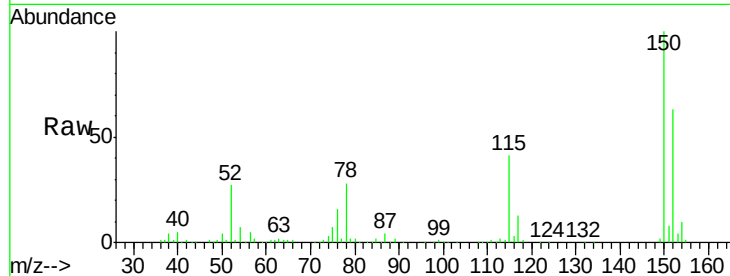


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103143.D
Acq: 21 Feb 2018 18:18

Instrument :
BNA_F
ClientSampleId :

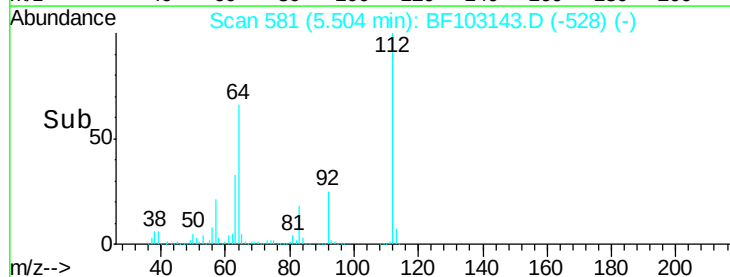
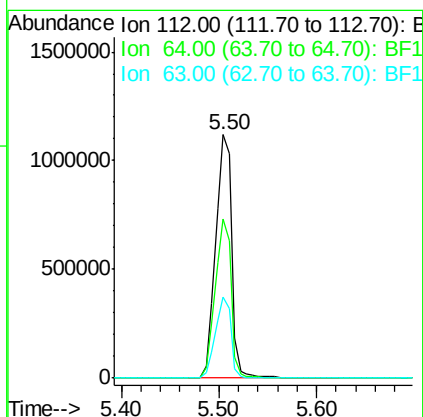
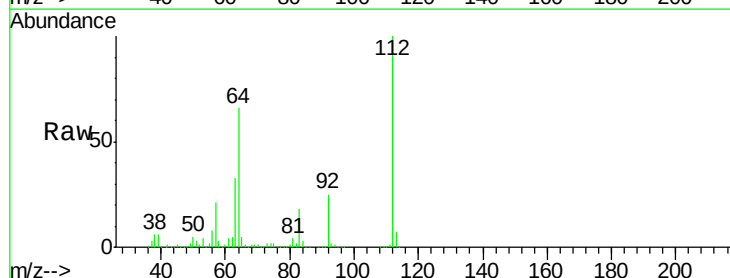
Tot Ion:152 Resp: 161054
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 65.2 50.1 75.1

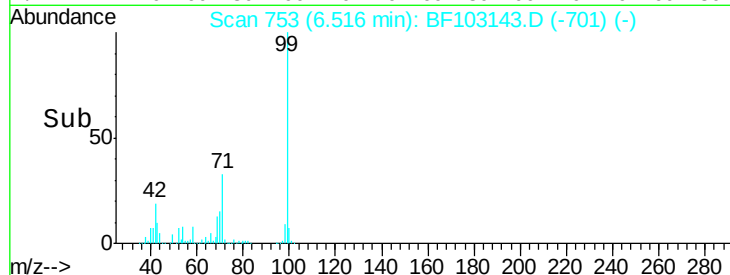
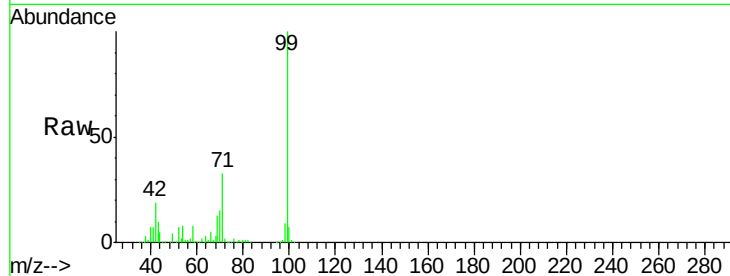
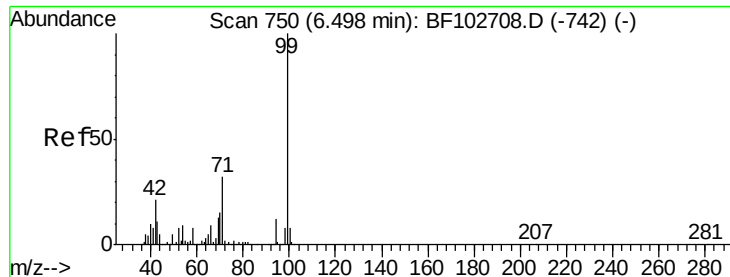


#5

2-Fluorophenol
Concen: 120.895 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103143.D
Acq: 21 Feb 2018 18:18

Tgt Ion:112 Resp: 1282090
Ion Ratio Lower Upper
112 100
64 65.6 47.9 71.9
63 33.1 23.7 35.5





#7

Phenol-d6

Concen: 119.290 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

Instrument :

BNA_F

ClientSampleId :

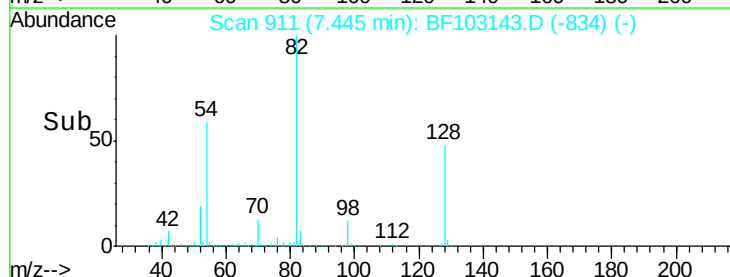
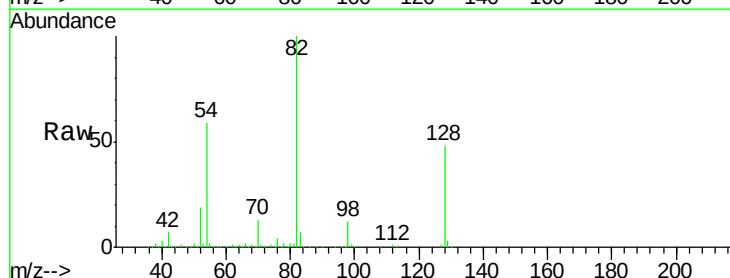
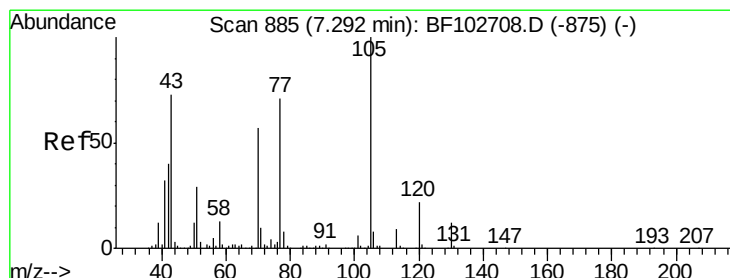
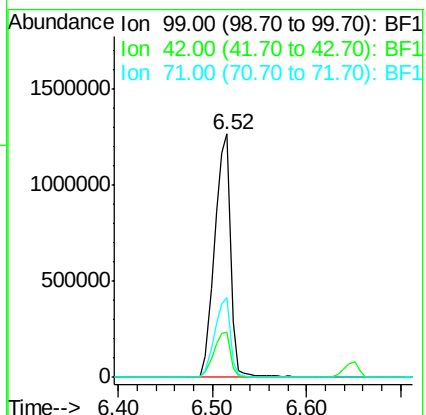
Tot Ion: 99 Resp: 1523222

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 32.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.061 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

Tgt Ion: 70 Resp: 126795

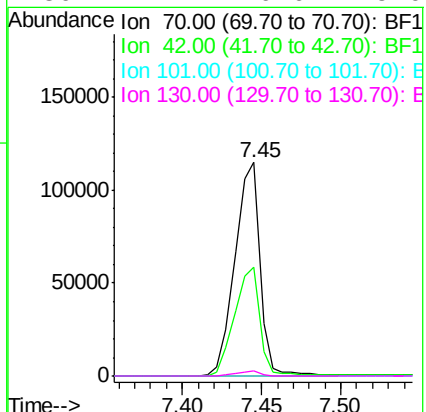
Ion Ratio Lower Upper

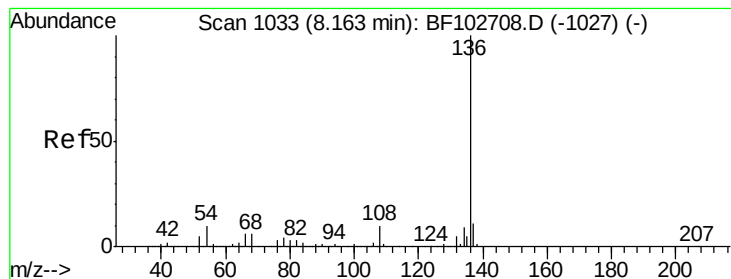
70 100

42 51.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 664569

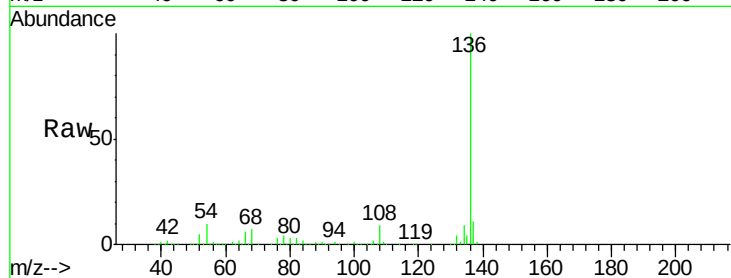
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.9 6.6 9.8#

68 6.6 5.0 7.4

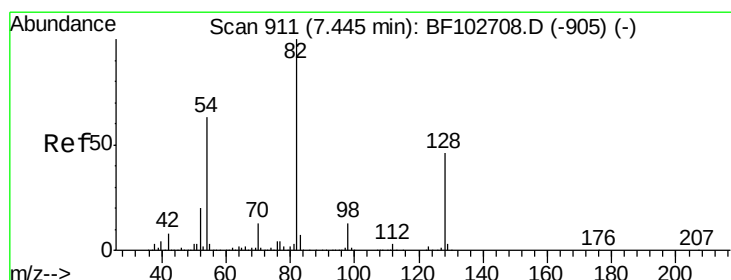
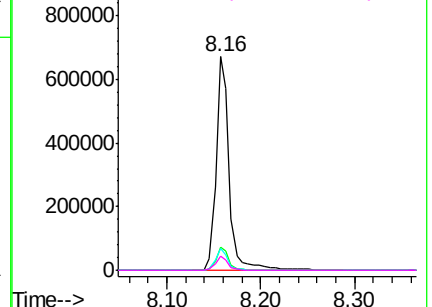
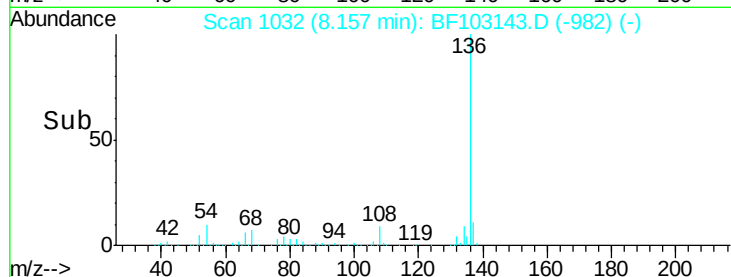


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.368 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

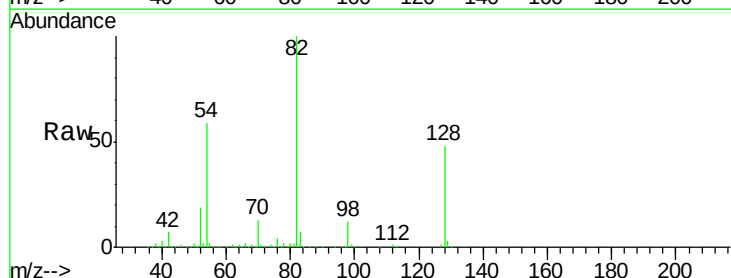
Tgt Ion: 82 Resp: 980679

Ion Ratio Lower Upper

82 100

128 48.2 36.1 54.1

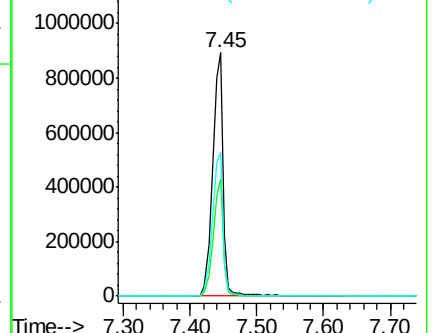
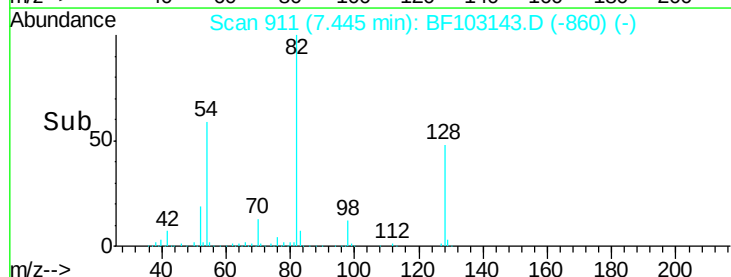
54 58.9 41.4 62.2

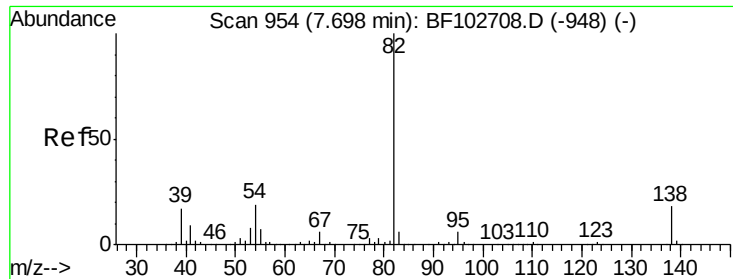


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.456 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

Instrument :

BNA_F

ClientSampled :

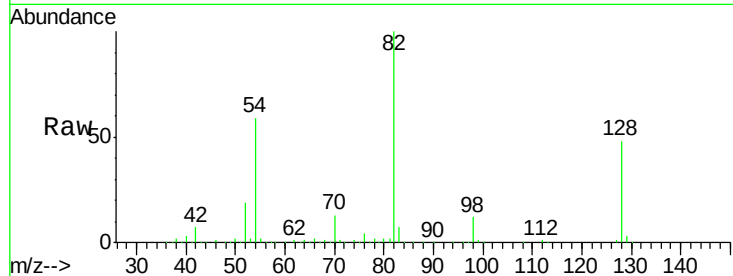
Tot Ion: 82 Resp: 980673

Ion Ratio Lower Upper

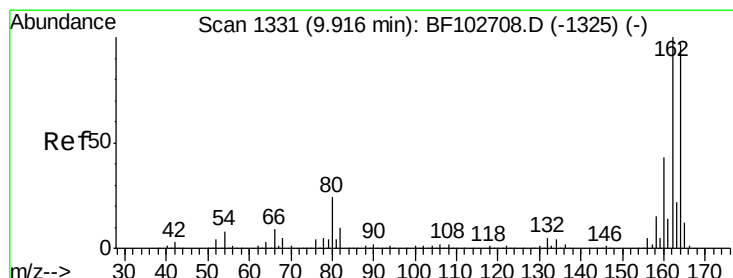
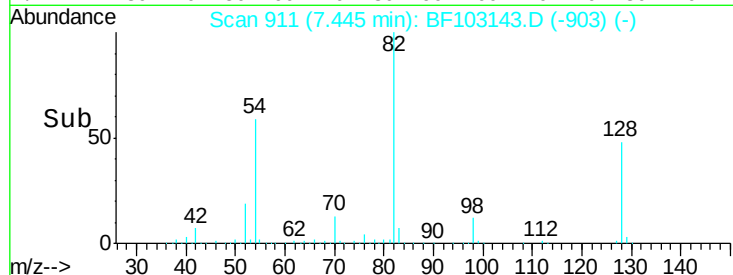
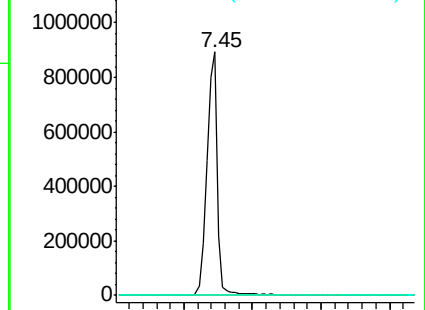
82 100

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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

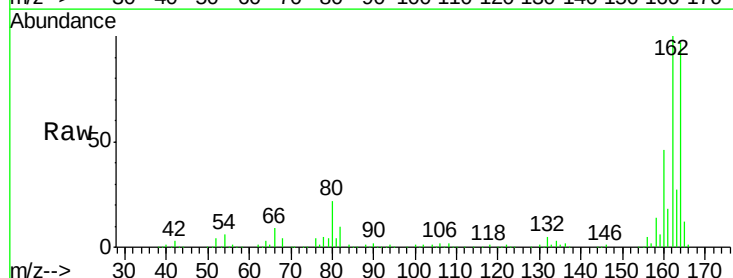
Tgt Ion: 164 Resp: 272595

Ion Ratio Lower Upper

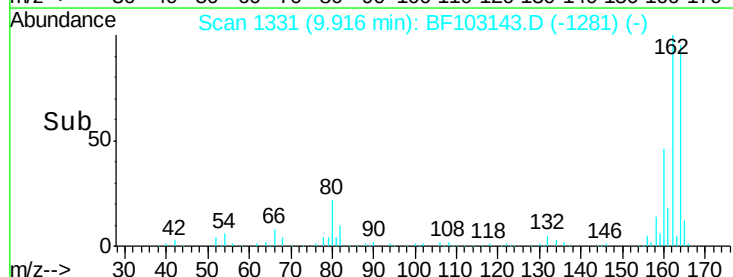
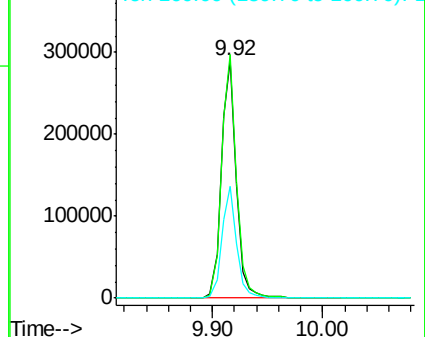
164 100

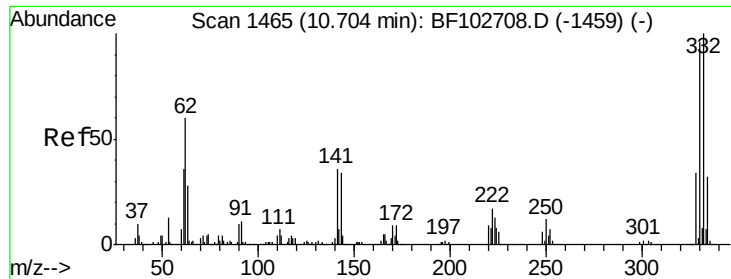
162 102.6 86.1 129.1

160 46.9 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

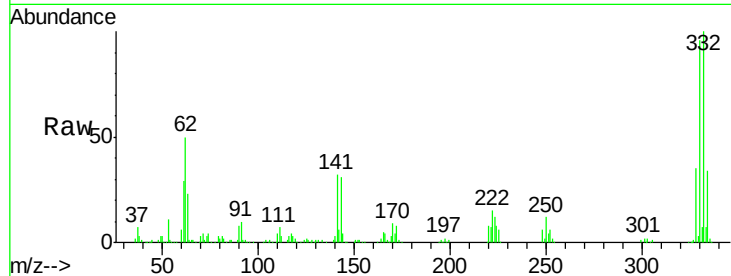




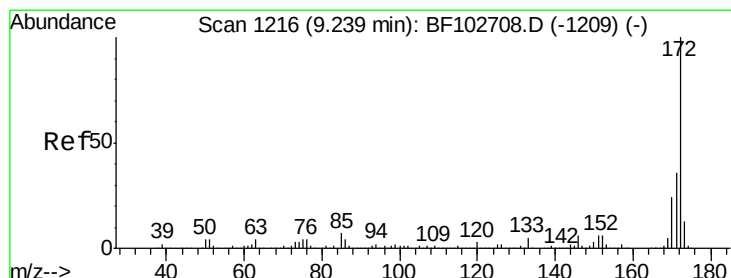
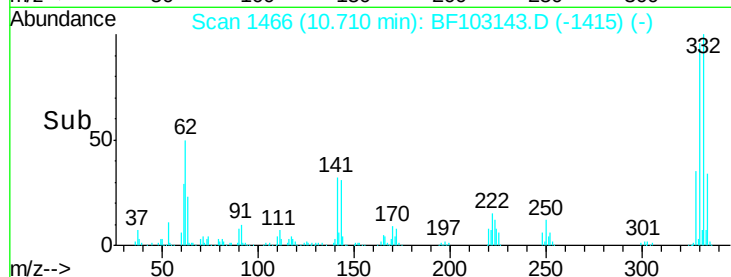
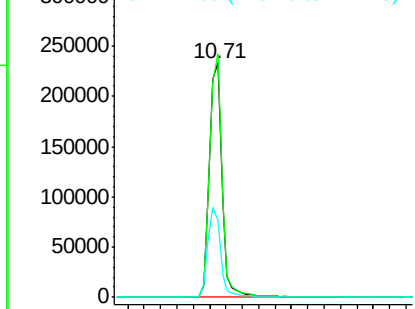
#41
 2,4,6-Tribromophenol
 Concen: 114.225 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103143.D
 Acq: 21 Feb 2018 18:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.0	77.0	115.6
141	39.0	29.9	44.9

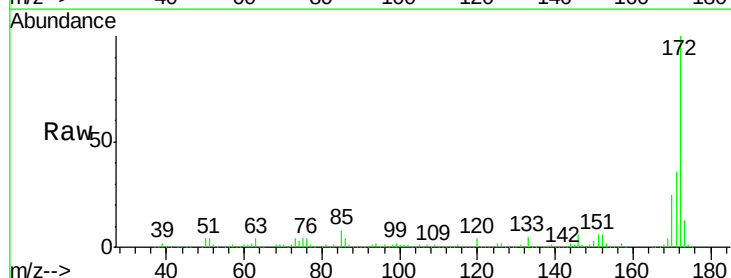


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

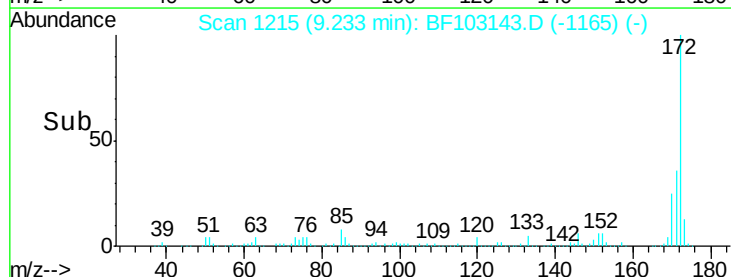
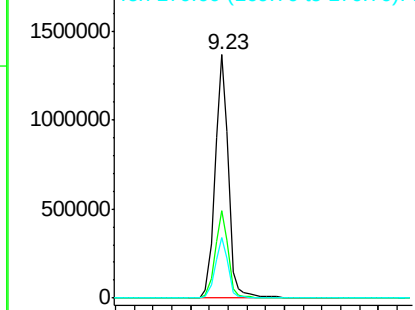


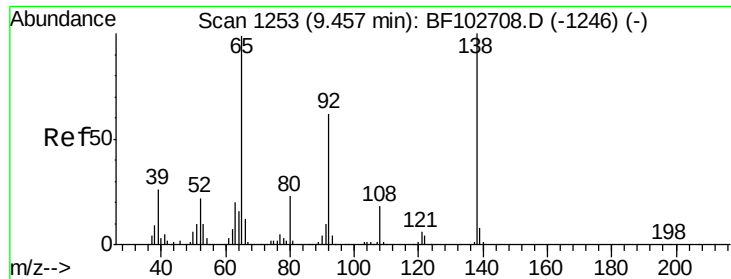
#44
 2-Fluorobiphenyl
 Concen: 83.599 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103143.D
 Acq: 21 Feb 2018 18:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.6	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 3.598 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.16 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

Instrument :

BNA_F

ClientSampleId :

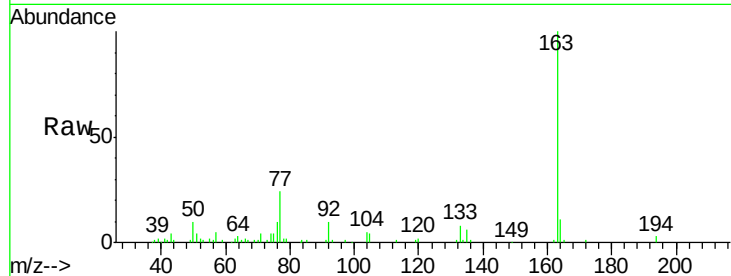
Tot Ion: 65 Resp: 756

Ion Ratio Lower Upper

65 100

92 787.7 55.8 83.6#

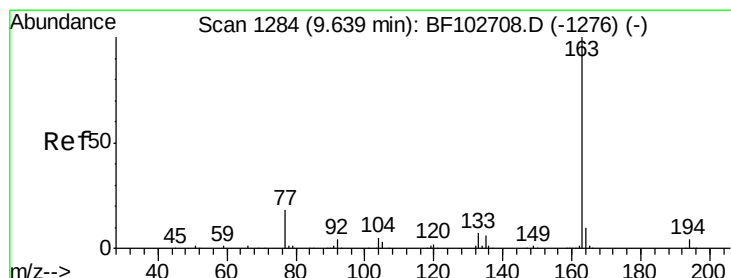
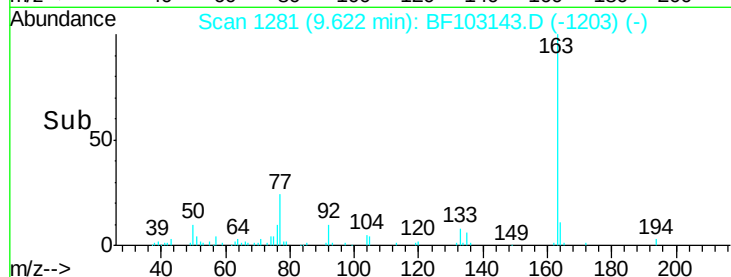
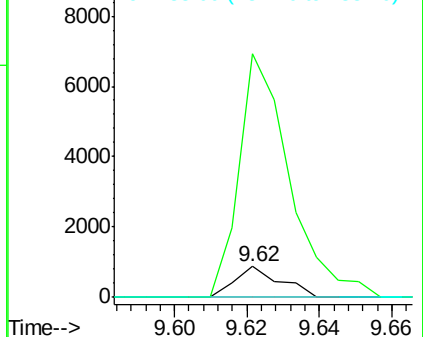
138 0.0 91.2 136.8#



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



#49

Dimethylphthalate

Concen: 3.611 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

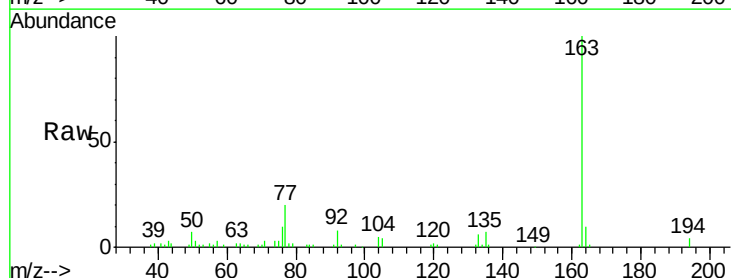
Tgt Ion: 163 Resp: 76759

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

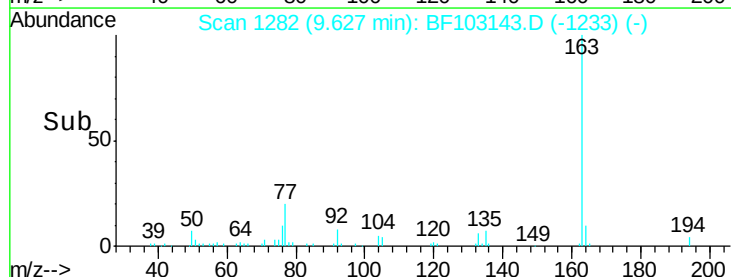
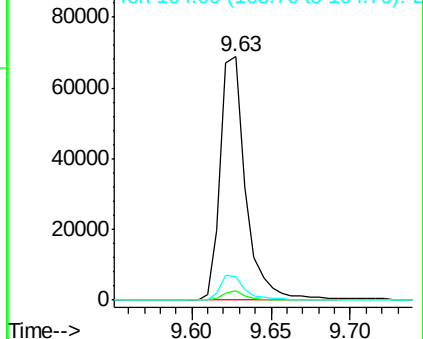
164 9.8 8.2 12.2

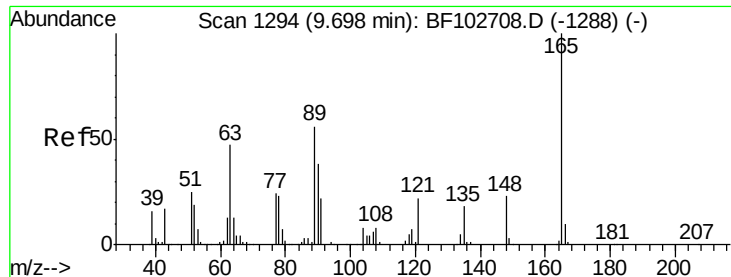


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

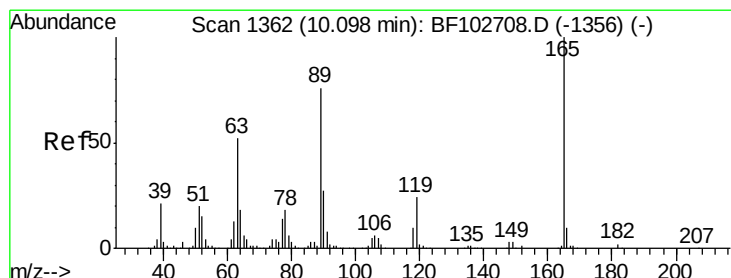
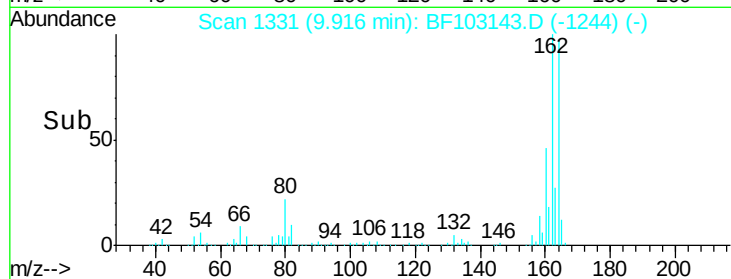
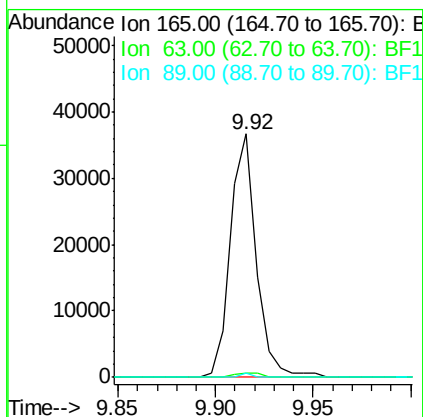
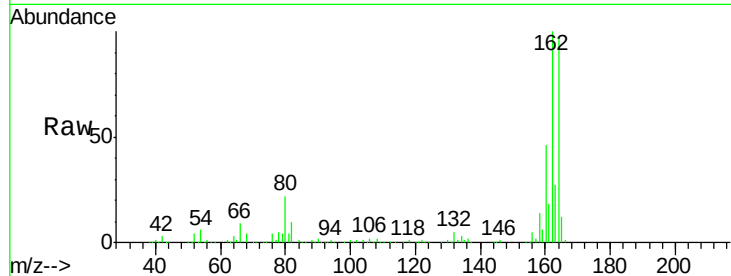




#50
 2,6-Dinitrotoluene
 Concen: 8.381 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103143.D
 Acq: 21 Feb 2018 18:18

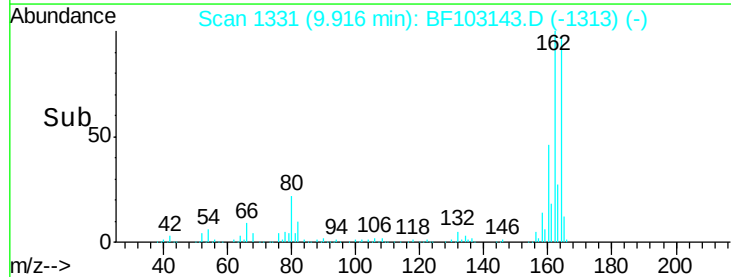
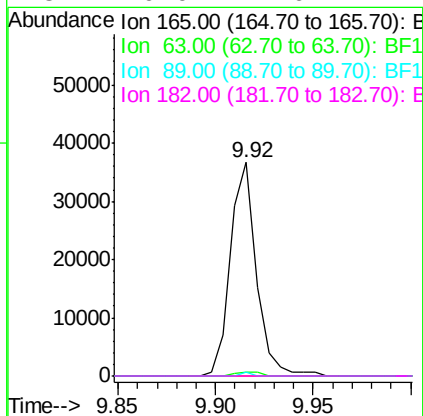
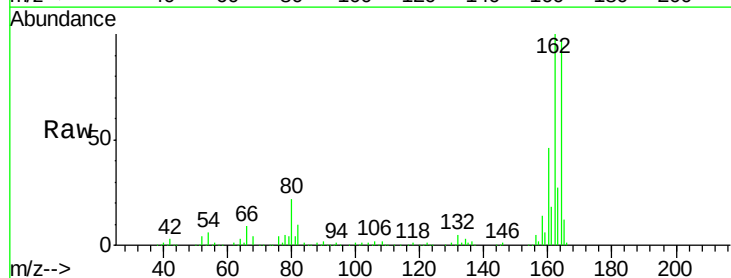
Instrument :
 BNA_F
 ClientSampleId :

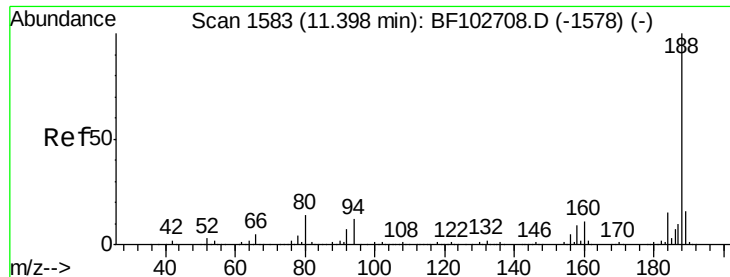
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 8.924 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103143.D
 Acq: 21 Feb 2018 18:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

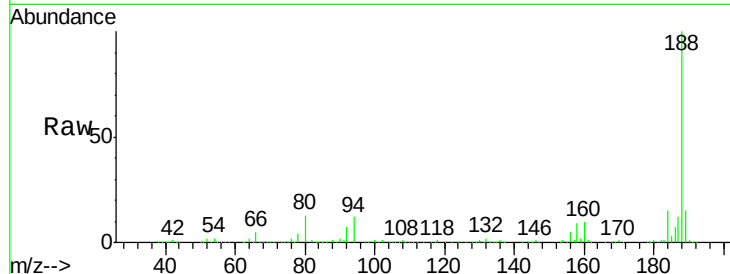




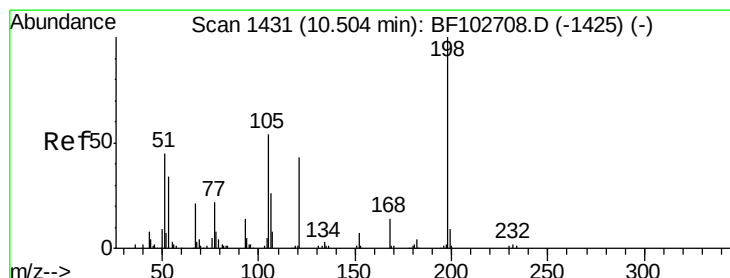
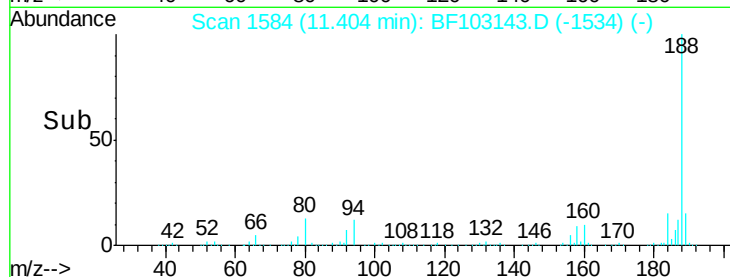
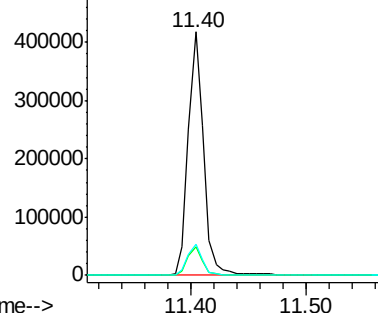
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103143.D
 Acq: 21 Feb 2018 18:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 386183
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.5 12.7
 80 12.9 9.2 13.8

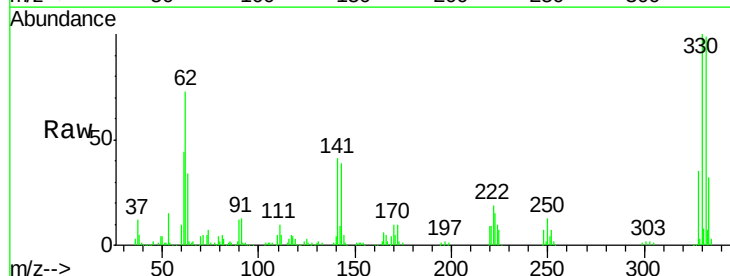


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

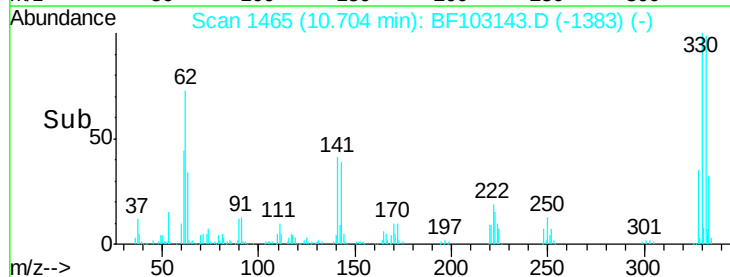
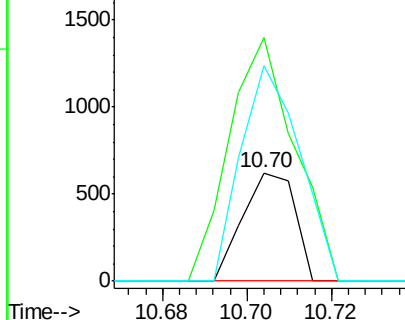


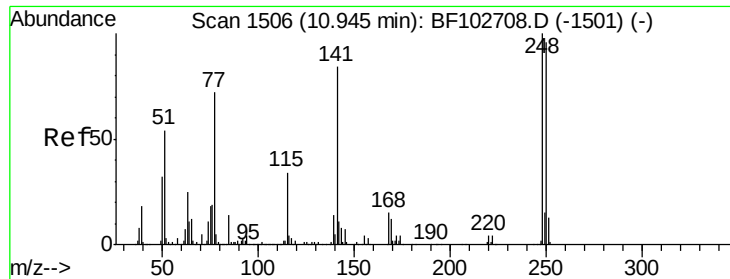
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.101 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103143.D
 Acq: 21 Feb 2018 18:18

Tgt Ion:198 Resp: 536
 Ion Ratio Lower Upper
 198 100
 51 224.6 37.7 77.7#
 105 199.0 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

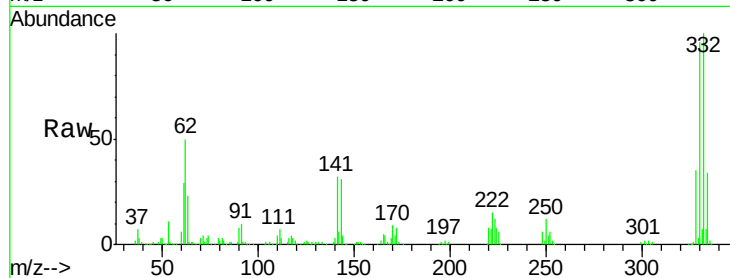




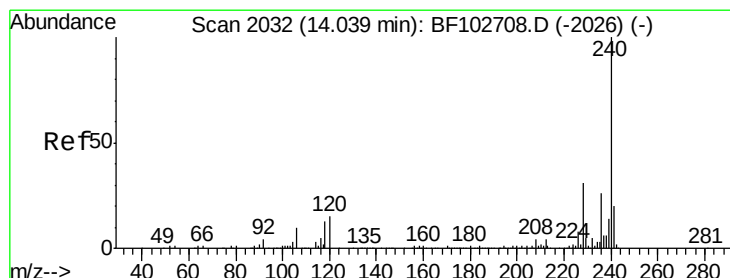
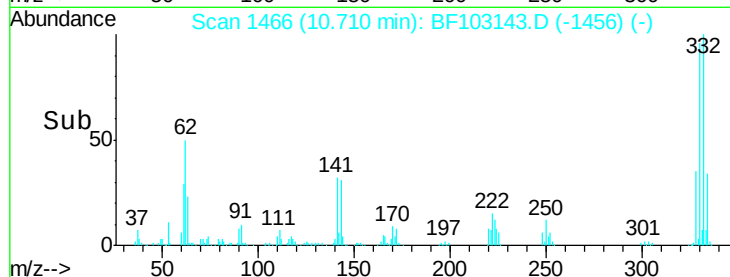
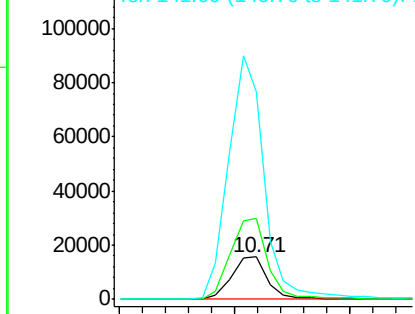
#66
4-Bromophenyl-phenylether
Concen: 4.078 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103143.D
Acq: 21 Feb 2018 18:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16658
Ion Ratio Lower Upper
248 100
250 192.4 76.9 115.3#
141 493.6 74.4 111.6#

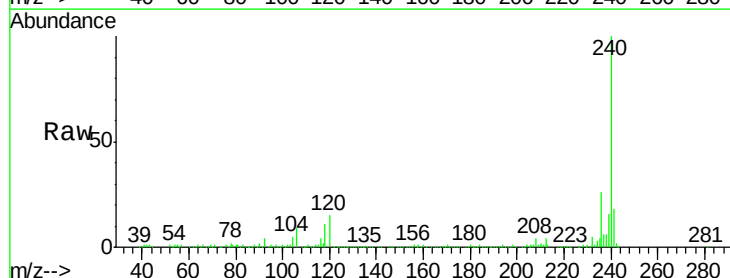


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

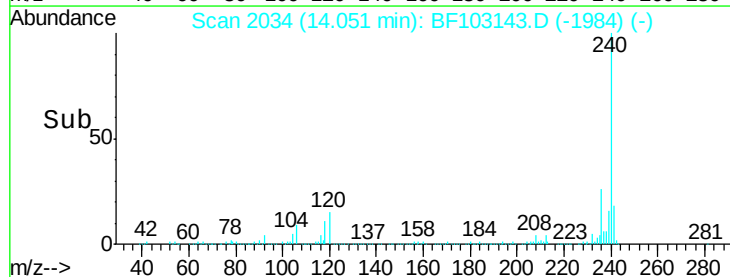
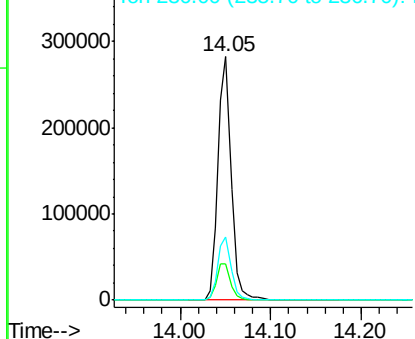


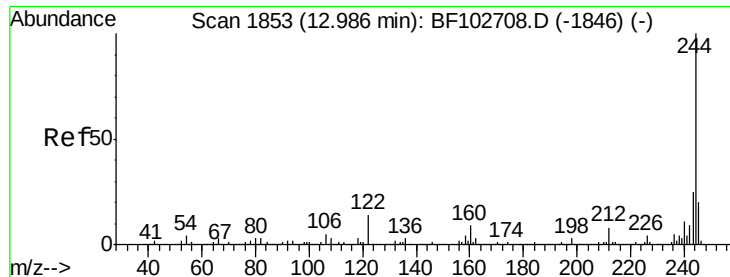
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103143.D
Acq: 21 Feb 2018 18:18

Tgt Ion:240 Resp: 284419
Ion Ratio Lower Upper
240 100
120 14.7 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: 76.953 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

Instrument :

BNA_F

ClientSampleId :

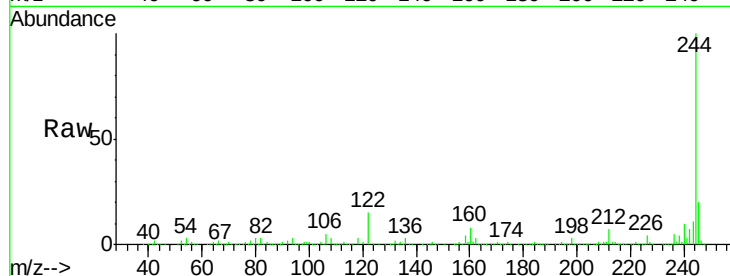
Tot Ion:244 Resp: 924368

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

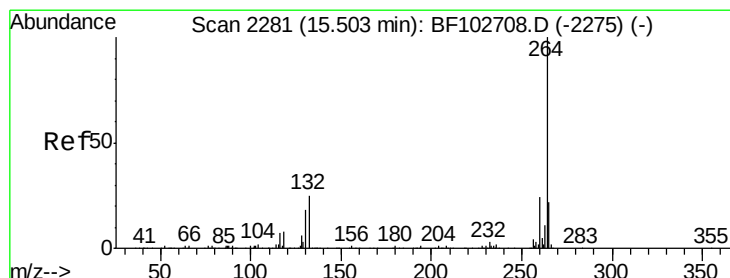
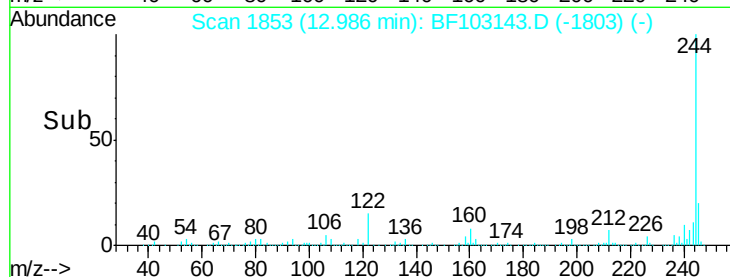
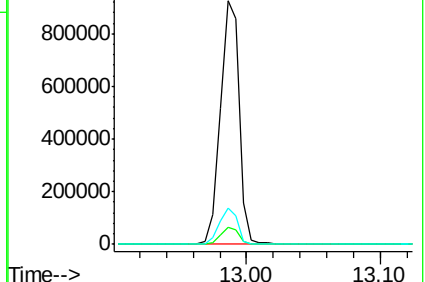
122 15.0 11.0 16.4



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: 15.54 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BF103143.D

Acq: 21 Feb 2018 18:18

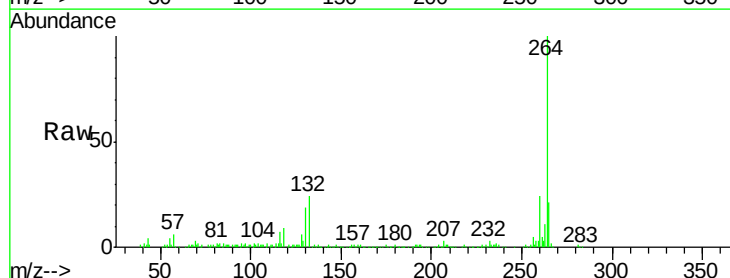
Tgt Ion:264 Resp: 217926

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 20.8 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

