

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021518\
 Data File : BF103031.D
 Acq On : 15 Feb 2018 21:26
 Operator : SJ/JU
 Sample : J1536-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 00:05:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

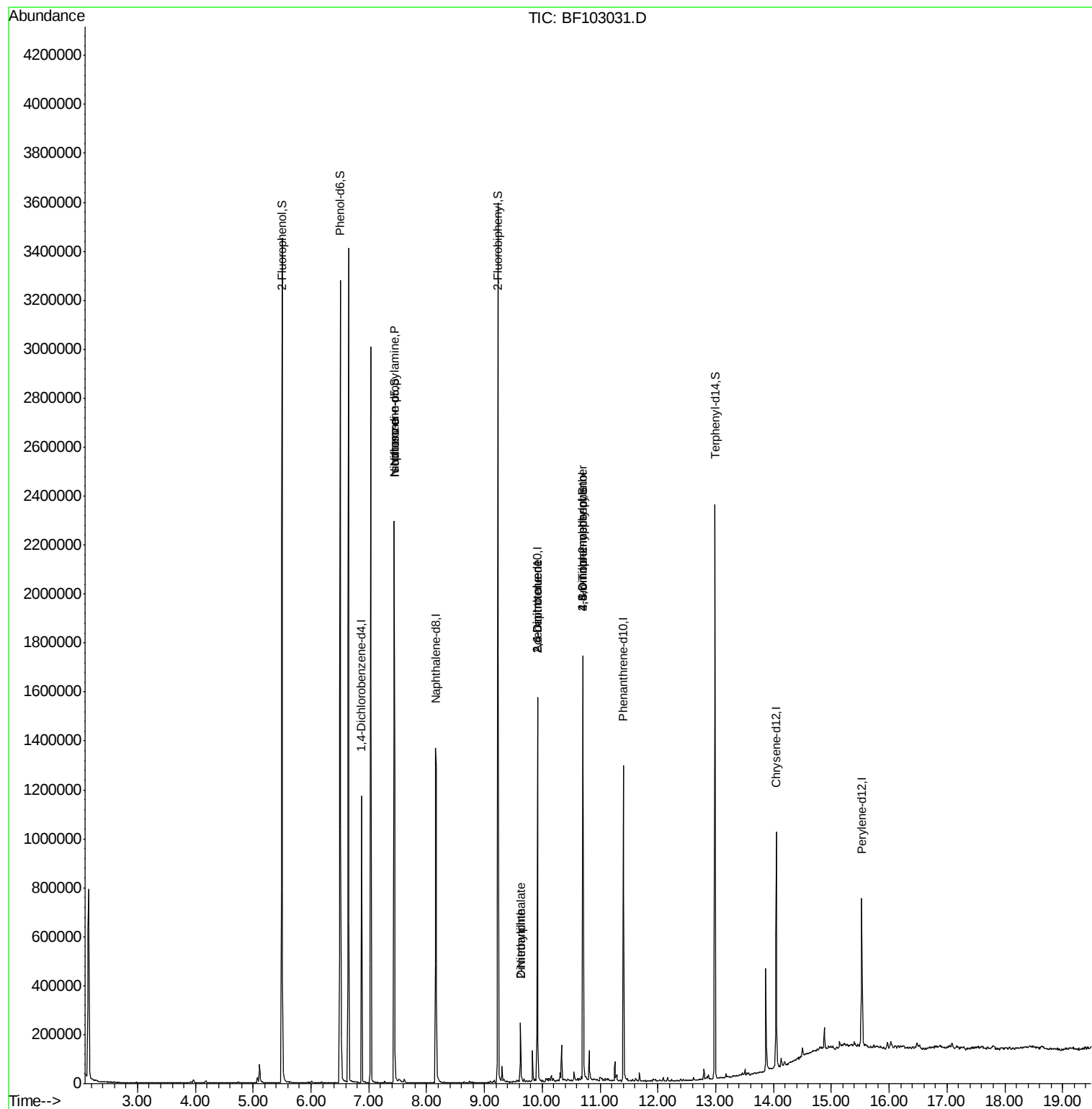
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	158369	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	666408	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	280575	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	436091	20.00	ng	0.00
75) Chrysene-d12	14.04	240	303912	20.00	ng	0.00
86) Perylene-d12	15.53	264	260777	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	987285	94.67	ng	0.00
7) Phenol-d6	6.51	99	1141213	90.89	ng	0.00
23) Nitrobenzene-d5	7.44	82	689029	71.73	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	185504	82.14	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1061332	62.77	ng	0.00
78) Terphenyl-d14	12.99	244	707970	55.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	88666	10.71	ng	# 83
25) Isophorone	7.44	82	689019	31.15	ng	# 64
47) 2-Nitroaniline	9.62	65	1053	3.64	ng	# 1
49) Dimethylphthalate	9.62	163	94097	4.30	ng	100
50) 2,6-Dinitrotoluene	9.92	165	36228	8.70	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	36228	9.15	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	450	9.02	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12151	2.63	ng	# 1

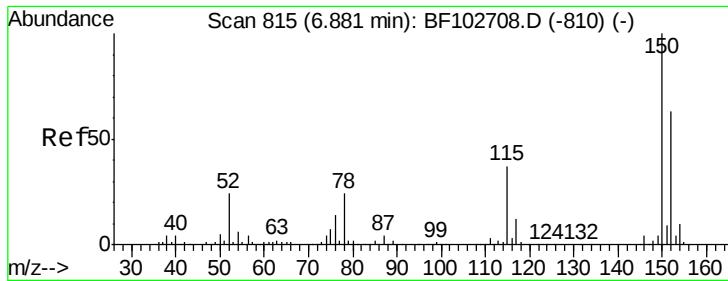
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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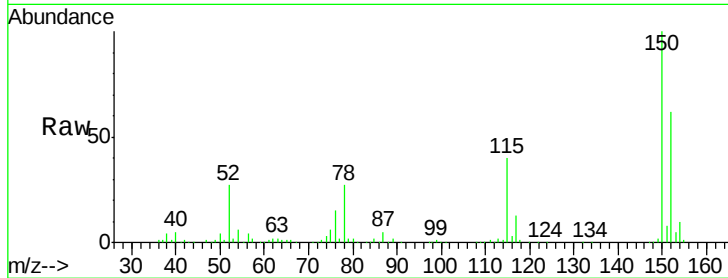


#1

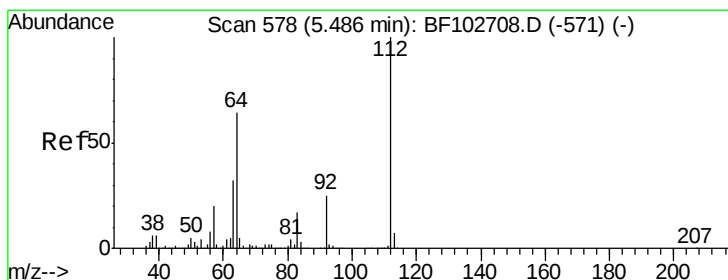
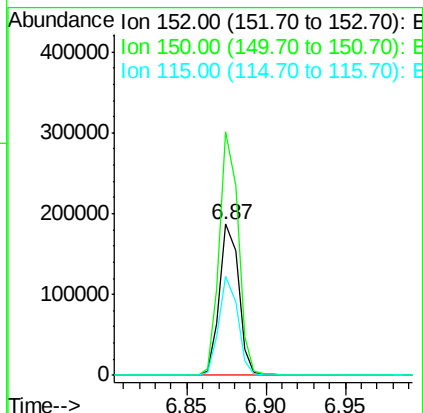
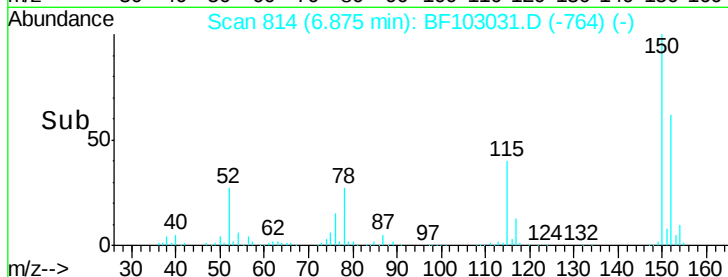
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103031.D
Acq: 15 Feb 2018 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.6	186.8
115	65.2	50.1	75.1



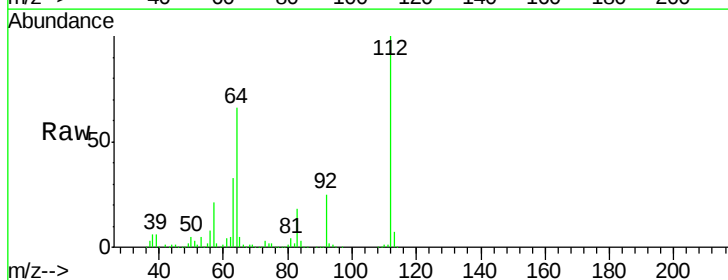
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



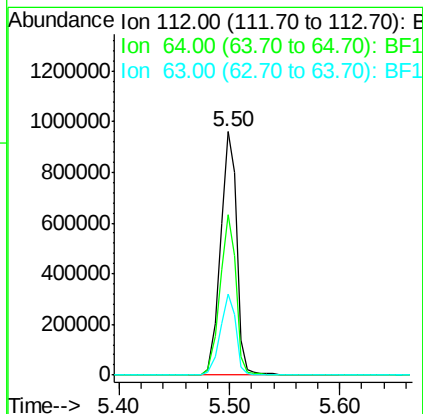
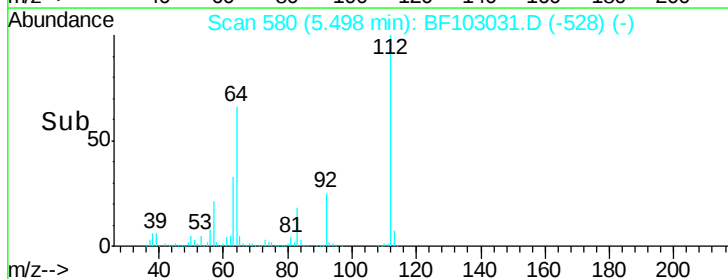
#5

2-Fluorophenol
Concen: 94.67 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103031.D
Acq: 15 Feb 2018 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	33.1	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: 90.89 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103031.D

Acq: 15 Feb 2018 21:26

Instrument :

BNA_F

ClientSampleId :

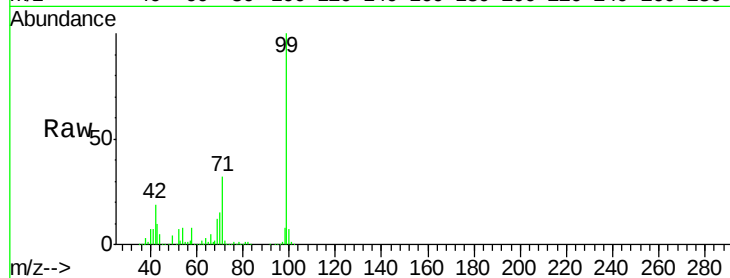
Tot Ion: 99 Resp: 1141213

Ion Ratio Lower Upper

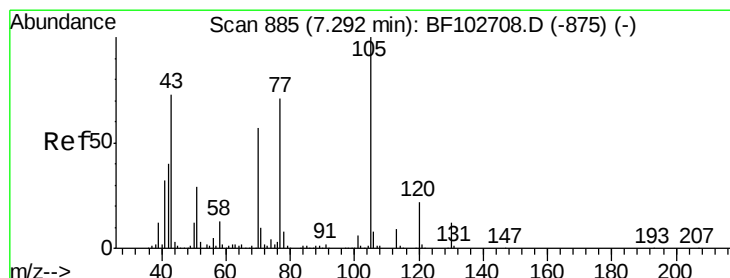
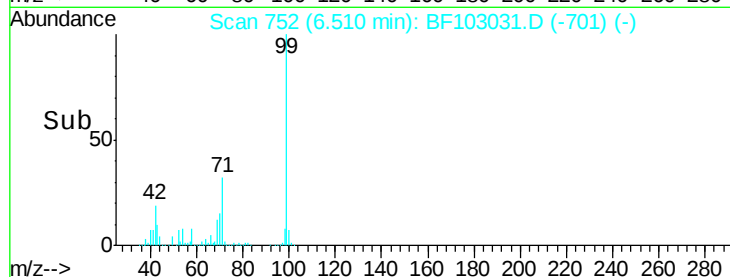
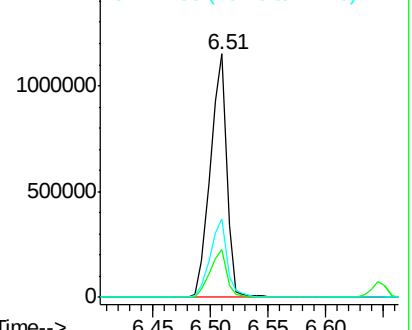
99 100

42 19.4 14.5 21.7

71 32.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 10.71 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103031.D

Acq: 15 Feb 2018 21:26

Tgt Ion: 70 Resp: 88666

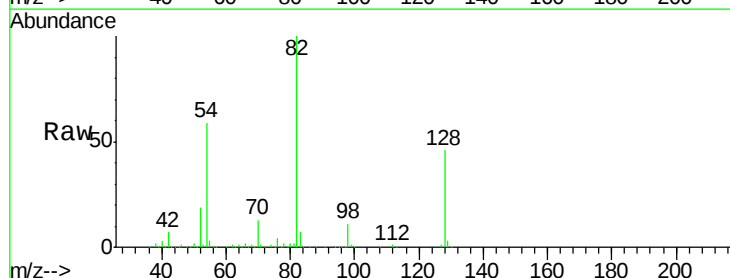
Ion Ratio Lower Upper

70 100

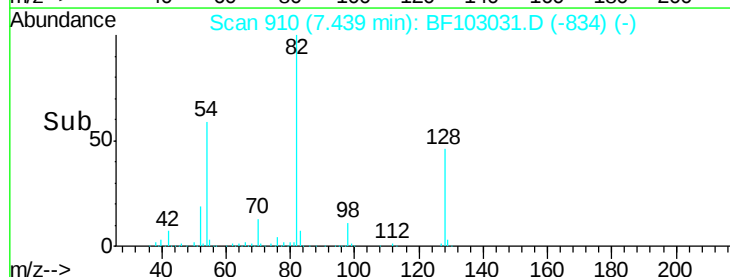
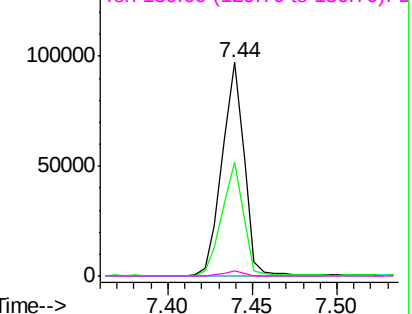
42 53.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 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

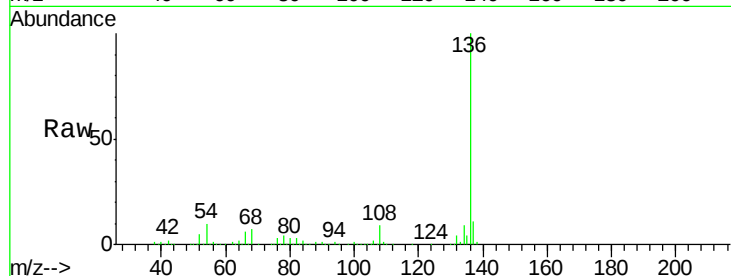




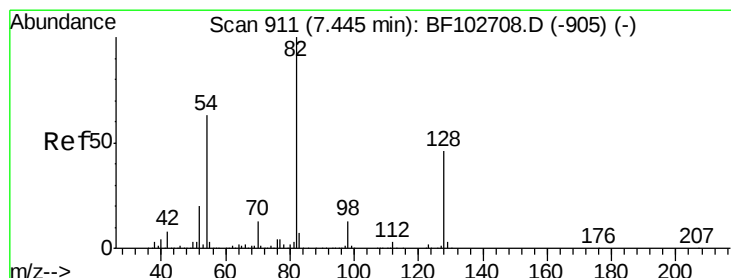
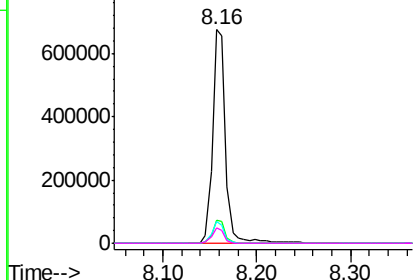
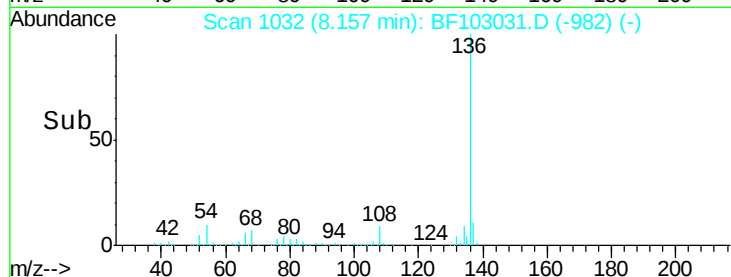
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103031.D
Acq: 15 Feb 2018 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	666408
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	10.4	6.6 9.8#
68	7.0	5.0 7.4

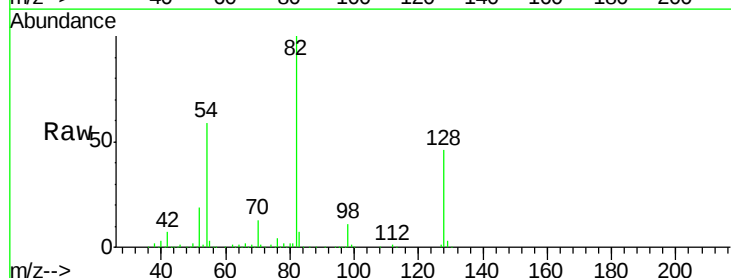


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

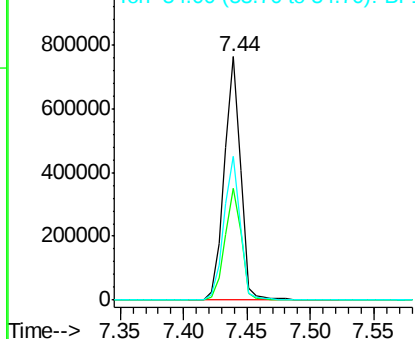
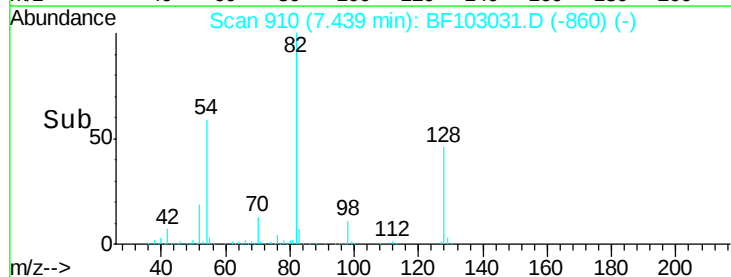


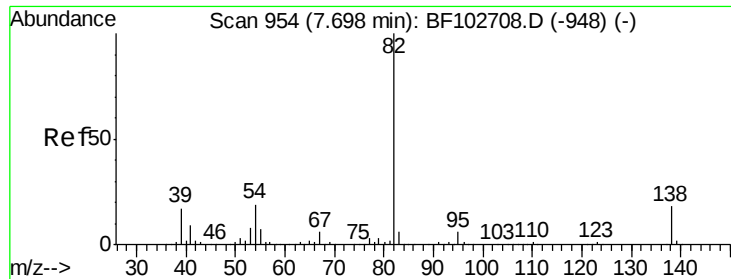
#23
Nitrobenzene-d5
Concen: 71.73 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103031.D
Acq: 15 Feb 2018 21:26

Tgt Ion: 82	Resp:	689029
Ion Ratio	Lower	Upper
82	100	
128	45.8	36.1 54.1
54	59.3	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: 31.15 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103031.D

Acq: 15 Feb 2018 21:26

Instrument :

BNA_F

ClientSampled :

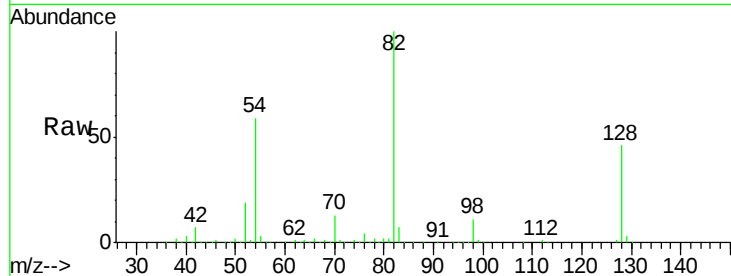
Tot Ion: 82 Resp: 689019

Ion Ratio Lower Upper

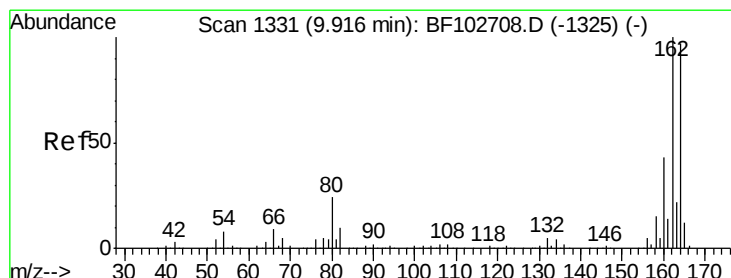
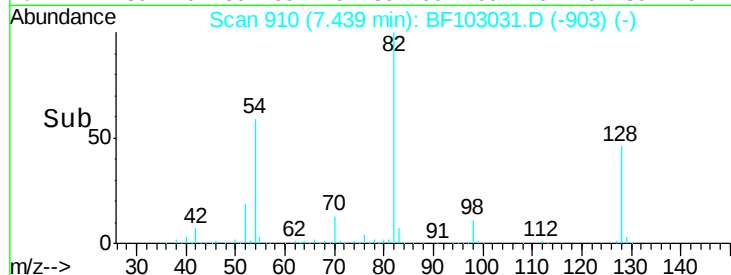
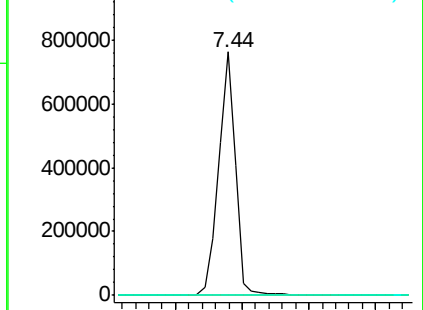
82 100

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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103031.D

Acq: 15 Feb 2018 21:26

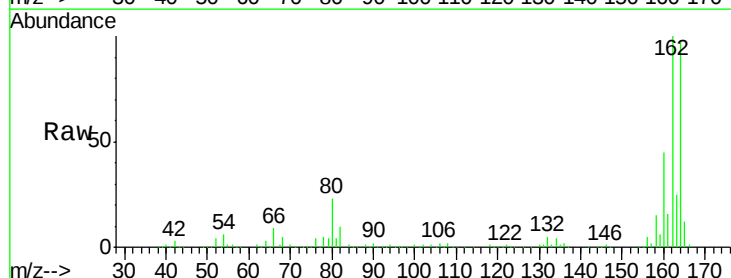
Tgt Ion: 164 Resp: 280575

Ion Ratio Lower Upper

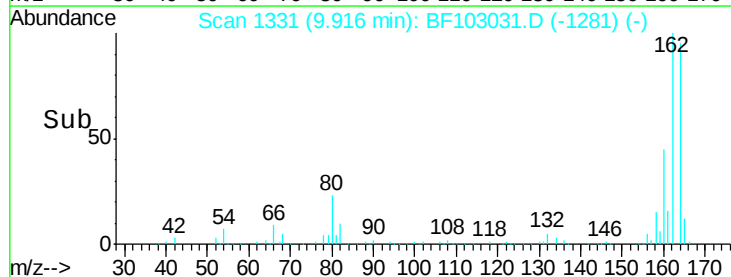
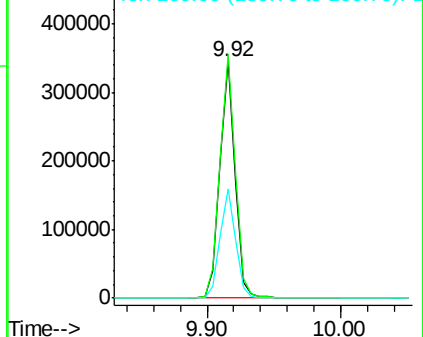
164 100

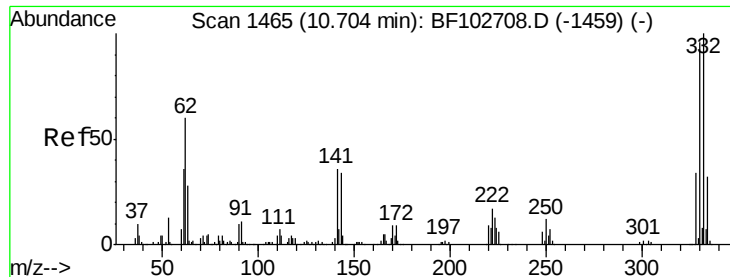
162 102.7 86.1 129.1

160 46.3 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

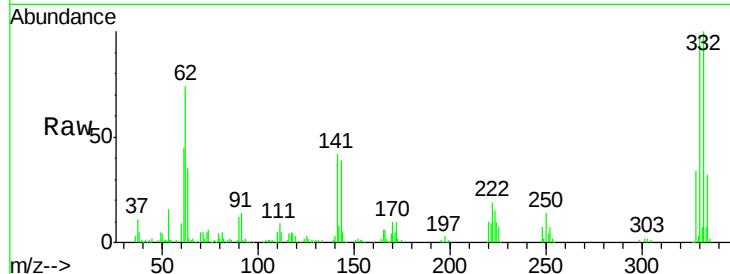




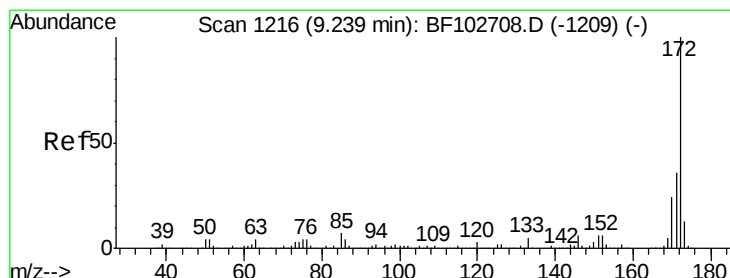
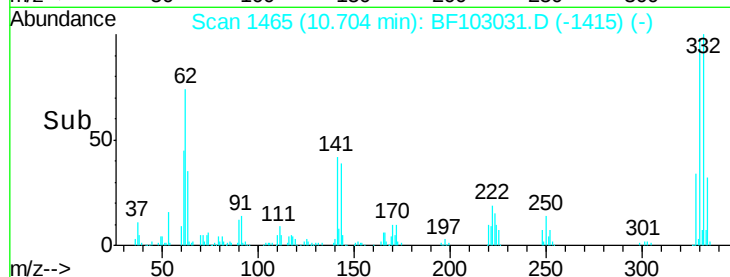
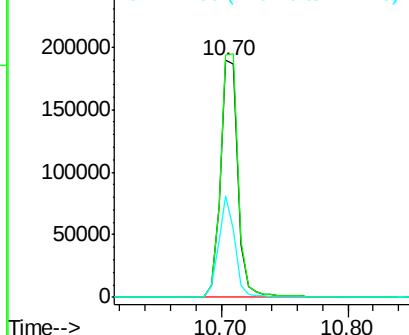
#41
 2,4,6-Tribromophenol
 Concen: 82.14 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103031.D
 Acq: 15 Feb 2018 21:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.8	77.0	115.6
141	39.7	29.9	44.9

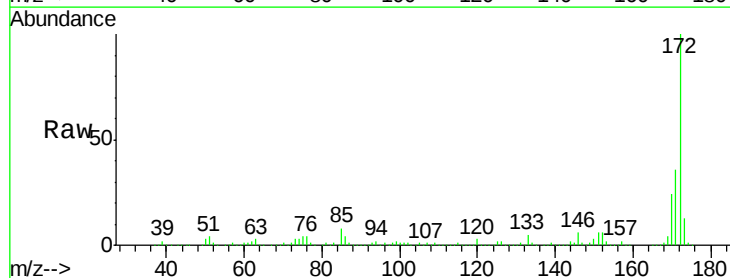


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

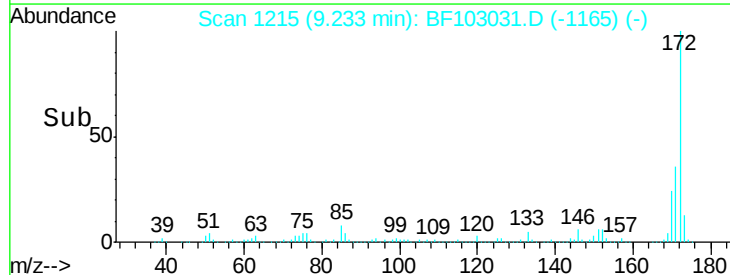
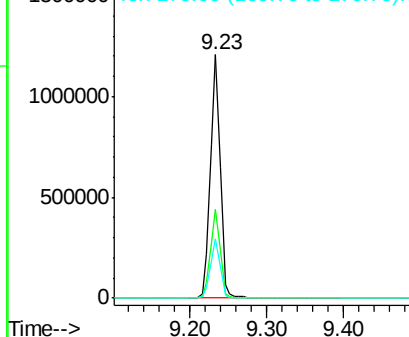


#44
 2-Fluorobiphenyl
 Concen: 62.77 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103031.D
 Acq: 15 Feb 2018 21:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.3	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





#47

2-Nitroaniline

Concen: 3.64 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.16 min

Lab File: BF103031.D

Acq: 15 Feb 2018 21:26

Instrument :

BNA_F

ClientSampleId :

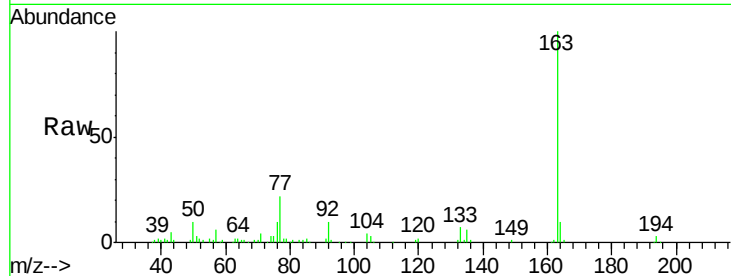
Tot Ion: 65 Resp: 1053

Ion Ratio Lower Upper

65 100

92 737.6 55.8 83.6#

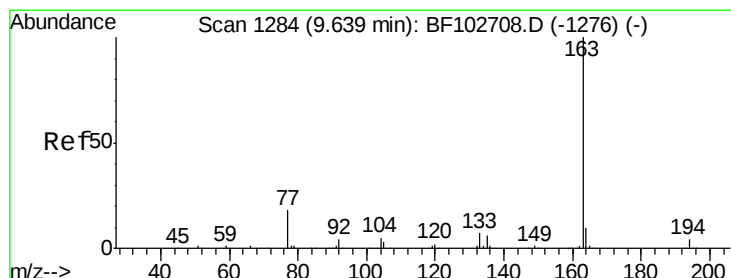
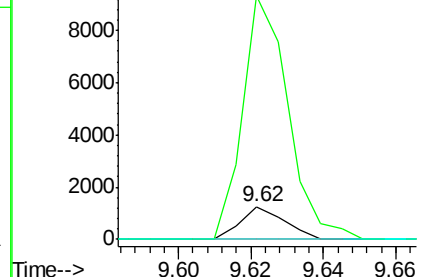
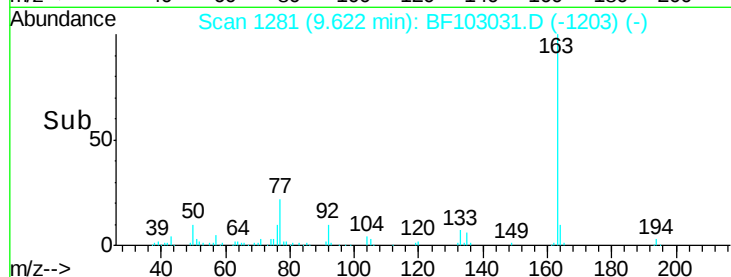
138 0.0 91.2 136.8#



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: 4.30 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103031.D

Acq: 15 Feb 2018 21:26

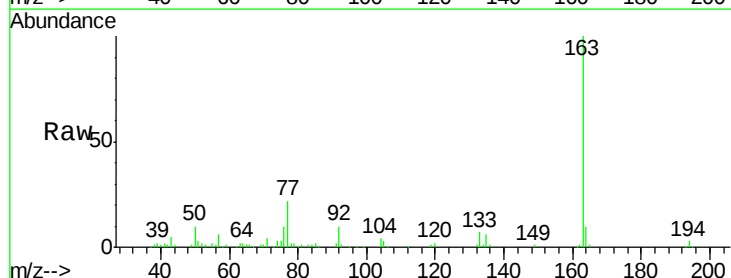
Tgt Ion:163 Resp: 94097

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

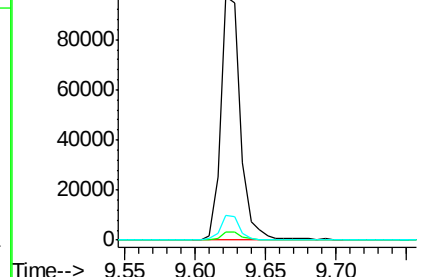
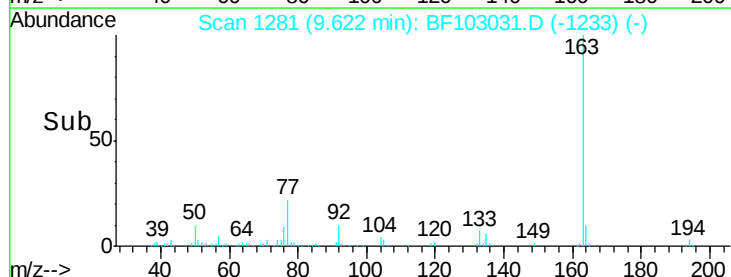
164 10.3 8.2 12.2

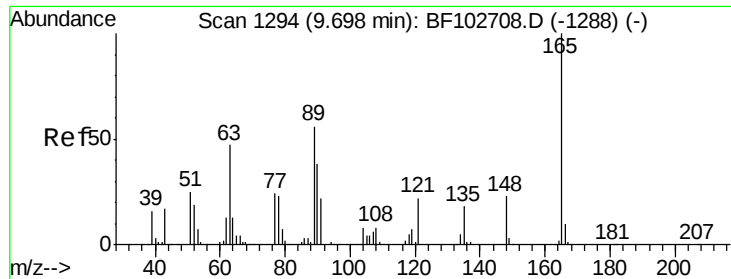


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

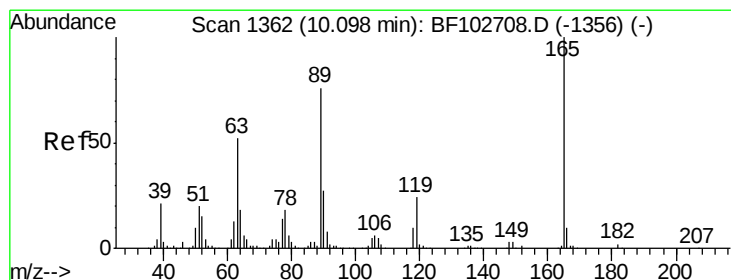
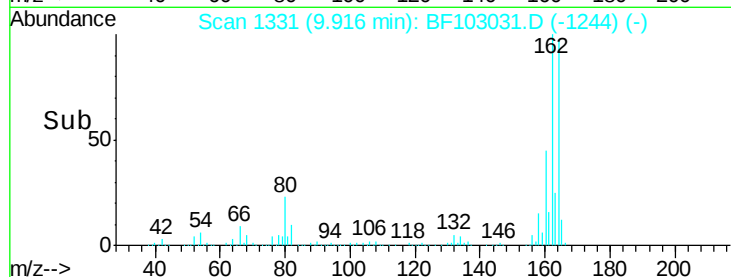
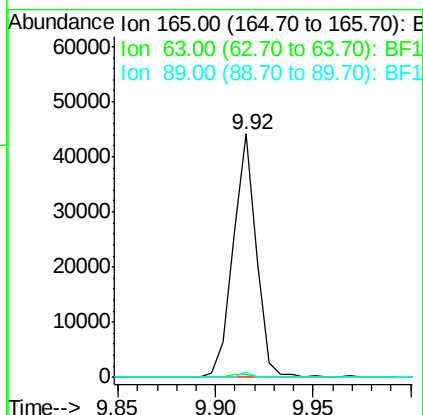
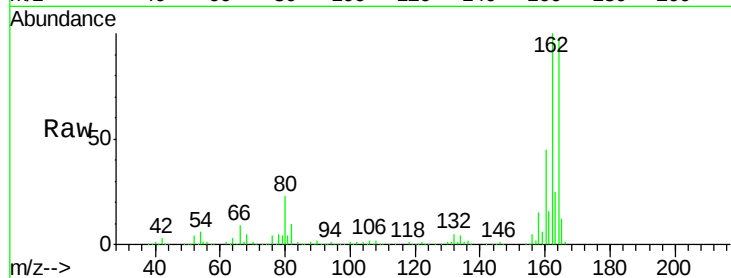




#50
 2,6-Dinitrotoluene
 Concen: 8.70 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103031.D
 Acq: 15 Feb 2018 21:26

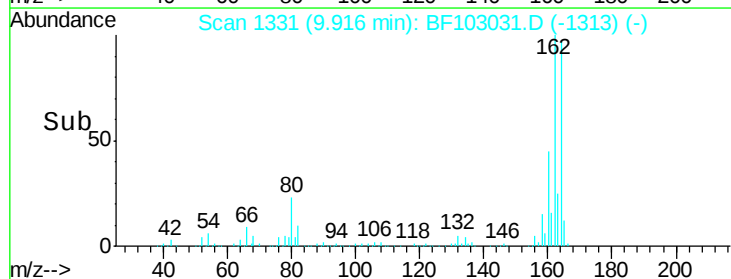
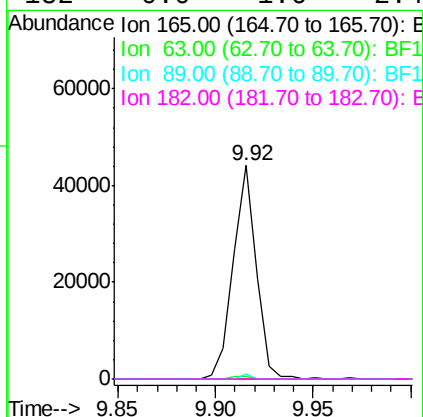
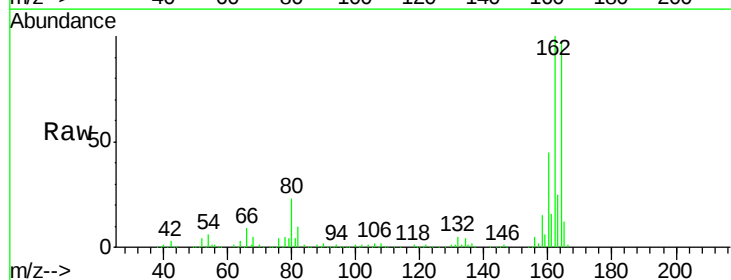
Instrument :
 BNA_F
 ClientSampleId :

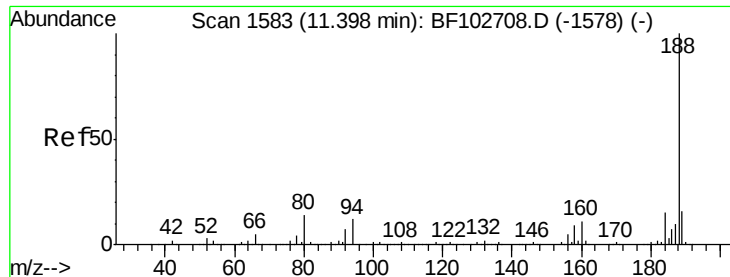
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	2.1	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 9.15 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103031.D
 Acq: 15 Feb 2018 21:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

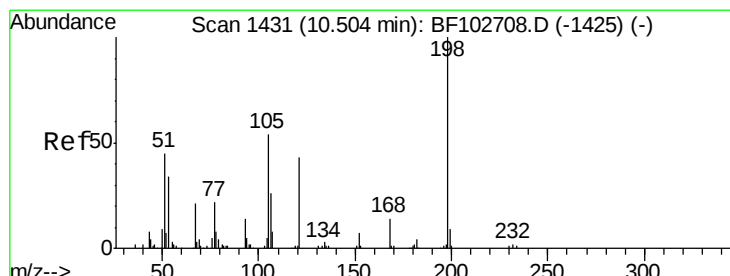
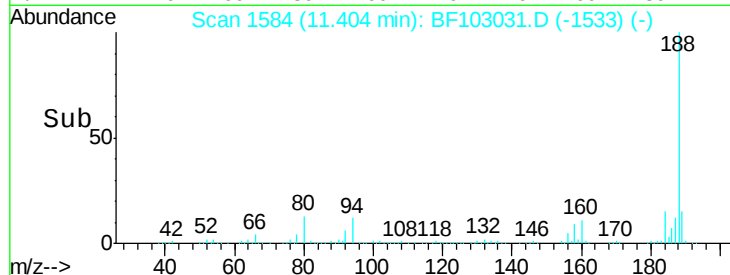
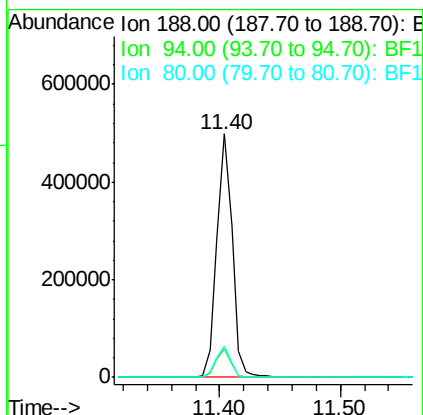
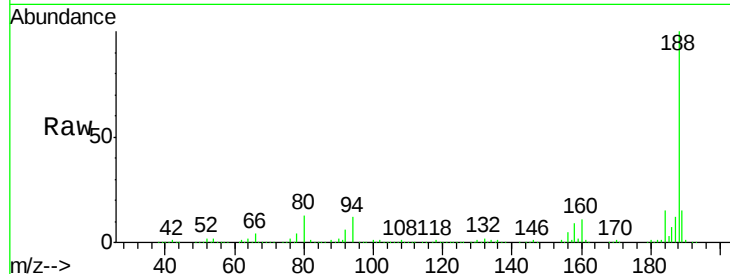




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103031.D
Acq: 15 Feb 2018 21:26

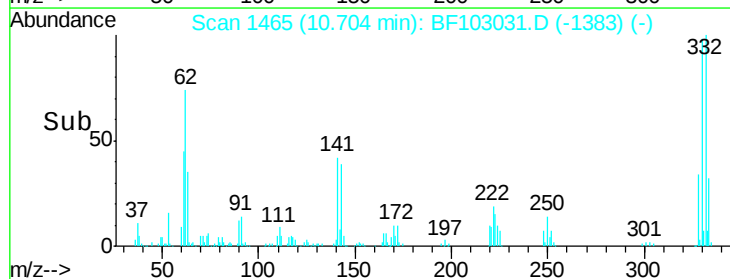
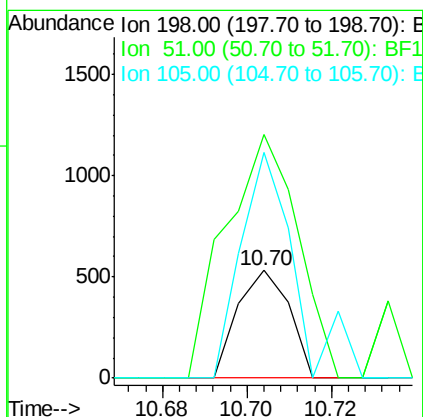
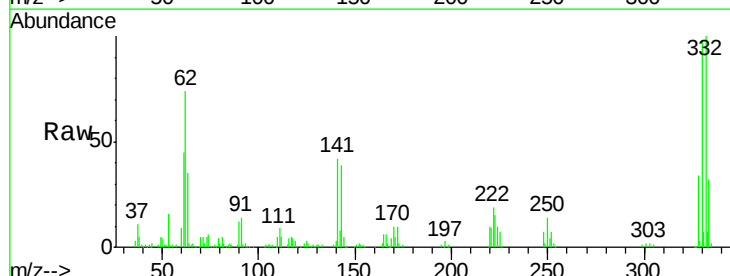
Instrument :
BNA_F
ClientSampleId :

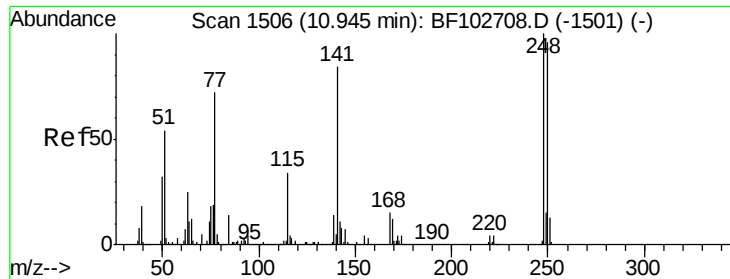
Tot Ion:188 Resp: 436091
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.02 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103031.D
Acq: 15 Feb 2018 21:26

Tgt Ion:198 Resp: 450
Ion Ratio Lower Upper
198 100
51 226.1 37.7 77.7#
105 209.0 36.3 76.3#

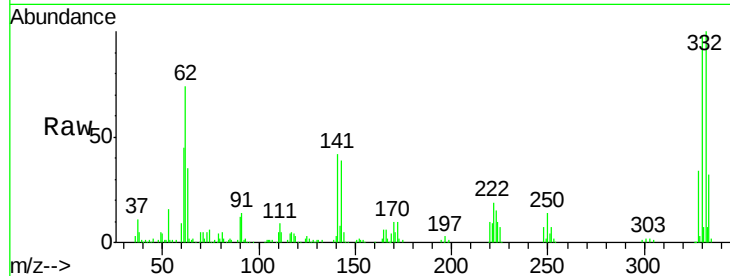




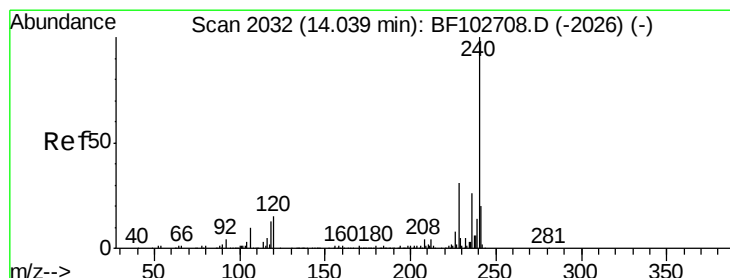
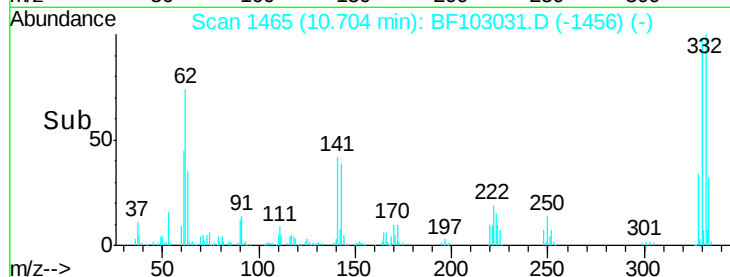
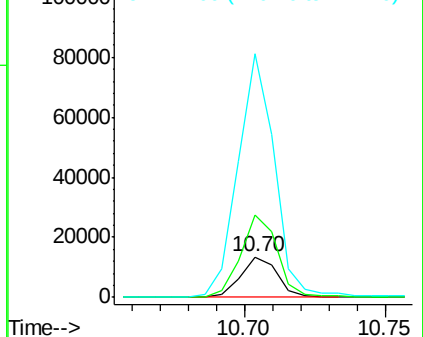
#66
4-Bromophenyl-phenylether
Concen: 2.63 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF103031.D
Acq: 15 Feb 2018 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12151
Ion Ratio Lower Upper
248 100
250 153.1 76.9 115.3#
141 455.8 74.4 111.6#

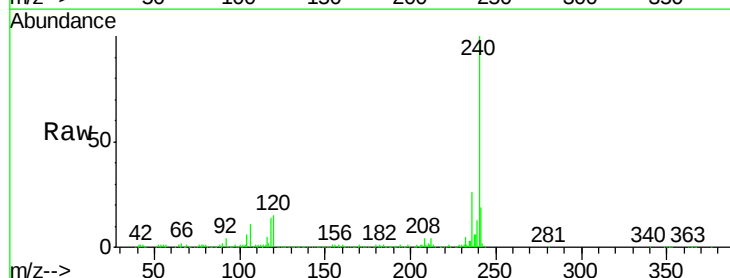


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

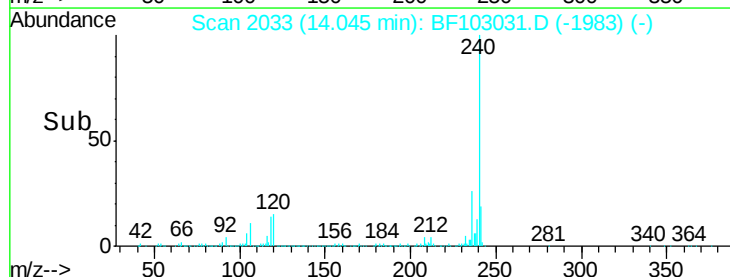
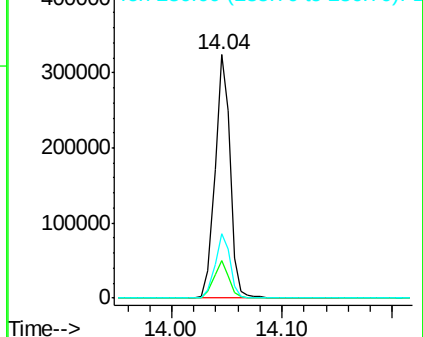


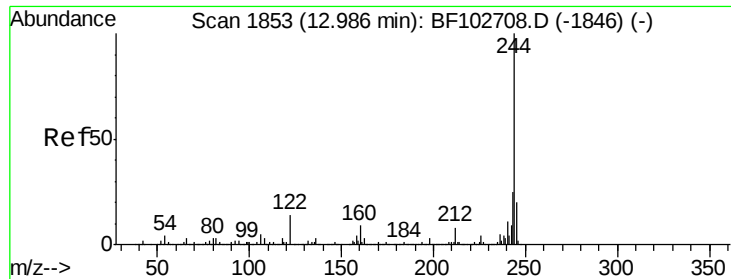
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103031.D
Acq: 15 Feb 2018 21:26

Tgt Ion:240 Resp: 303912
Ion Ratio Lower Upper
240 100
120 15.2 9.5 14.3#
236 26.3 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: 55.16 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103031.D

Acq: 15 Feb 2018 21:26

Instrument :

BNA_F

ClientSampleId :

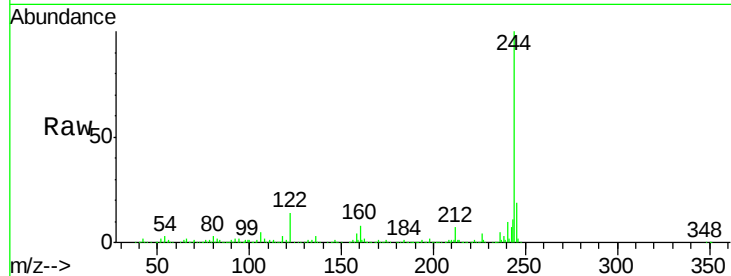
Tot Ion:244 Resp: 707970

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

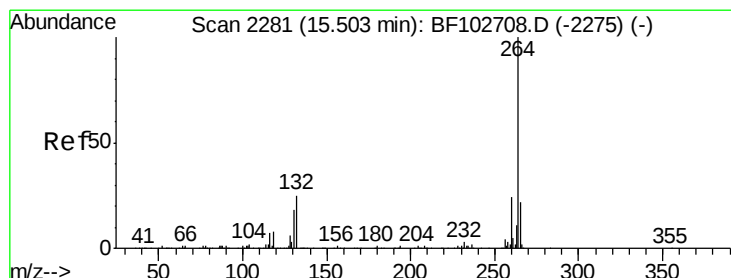
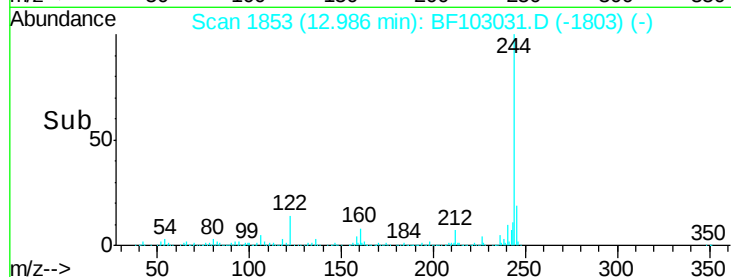
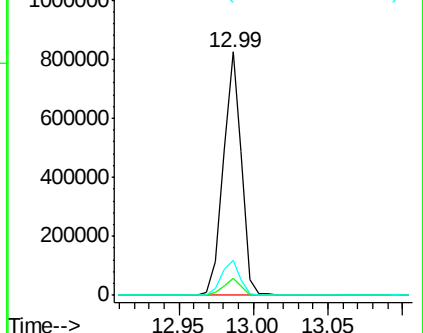
122 14.3 11.0 16.4



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: 20.00 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BF103031.D

Acq: 15 Feb 2018 21:26

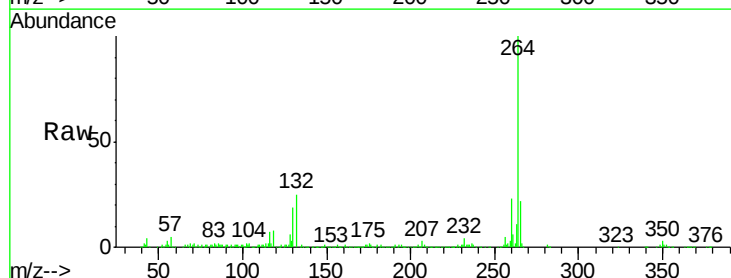
Tgt Ion:264 Resp: 260777

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.9 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

