

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103110.D
 Acq On : 20 Feb 2018 4:26
 Operator : SJ/JU
 Sample : PB106657TB
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 05:33:35 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

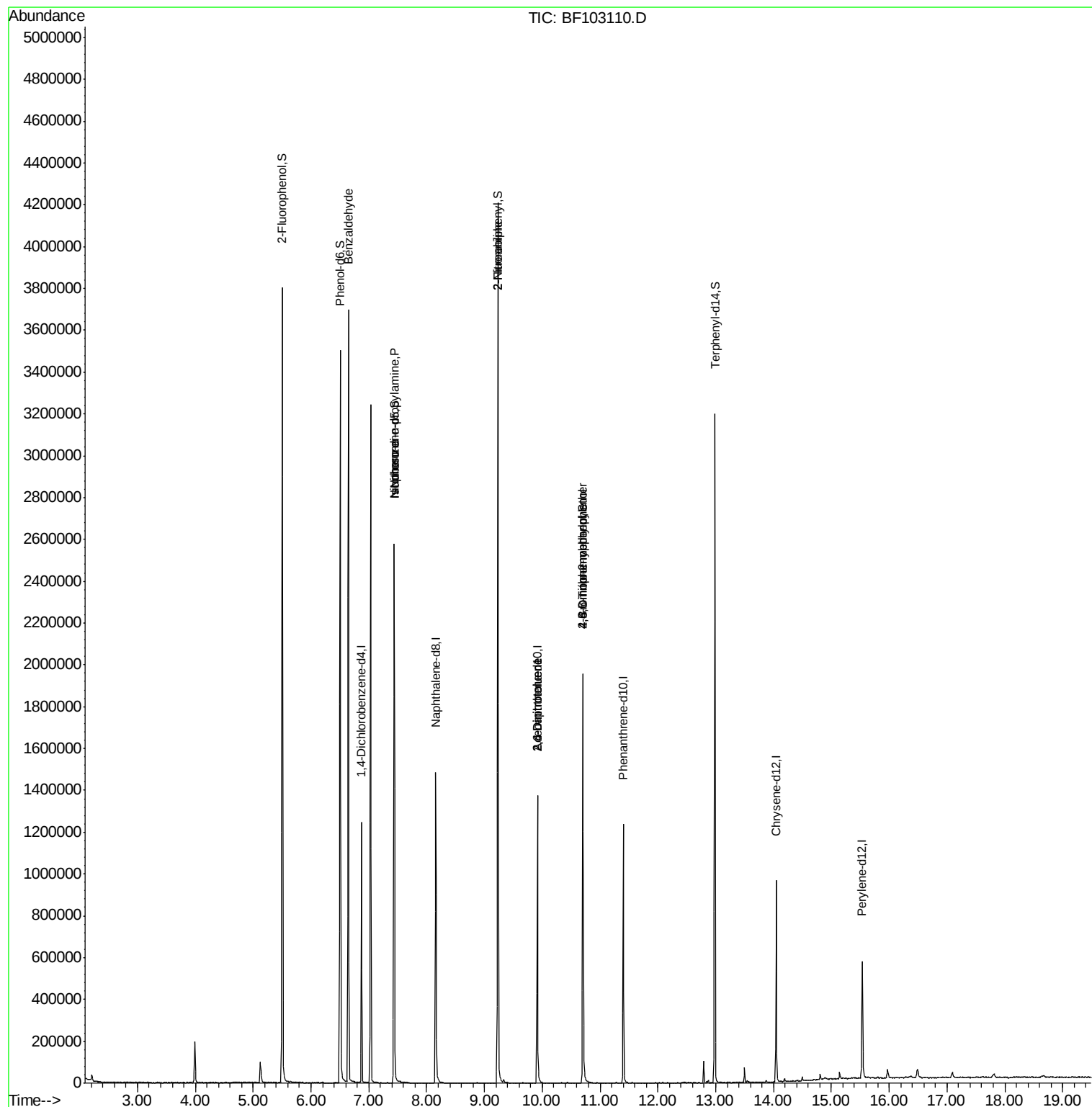
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161115	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	687152	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	294838	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	461942	20.00	ng	0.00
75) Chrysene-d12	14.04	240	302227	20.00	ng	-0.01
86) Perylene-d12	15.53	264	263688	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1143959	107.83	ng	0.01
7) Phenol-d6	6.51	99	1346473	105.41	ng	0.00
23) Nitrobenzene-d5	7.44	82	872849	88.12	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	230720	97.22	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1416705	79.73	ng	0.00
78) Terphenyl-d14	12.99	244	1046593	81.99	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	23826	2.51	ng	82
19) n-Nitroso-di-n-propylamine	7.44	70	115723	13.74	ng	# 78
25) Isophorone	7.44	82	872841	38.27	ng	# 64
47) 2-Nitroaniline	9.23	65	2671	3.88	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	37390	8.55	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	37390	9.04	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	401	8.99	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14812	3.03	ng	# 1

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

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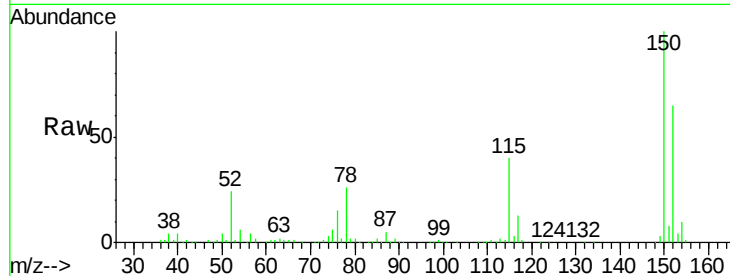


#1

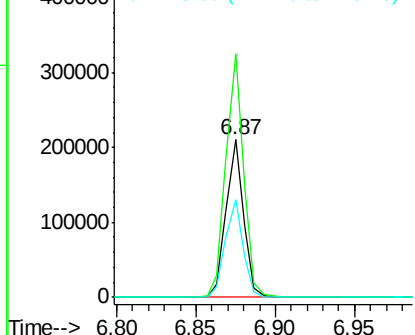
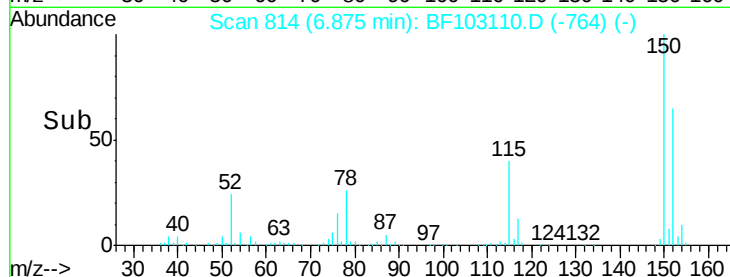
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161115
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 61.9 50.1 75.1



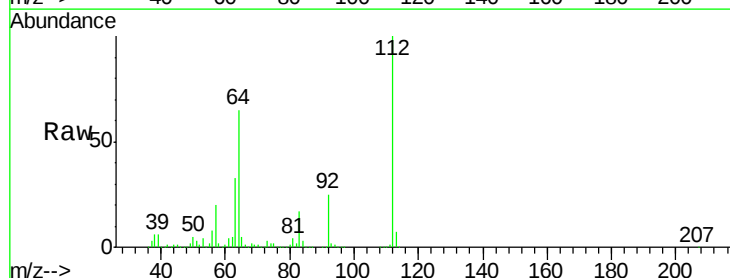
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



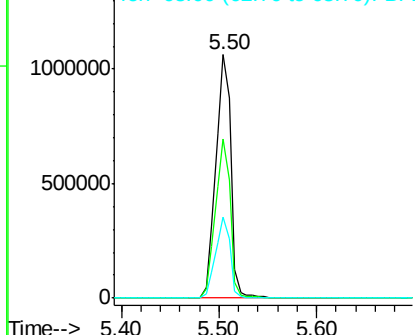
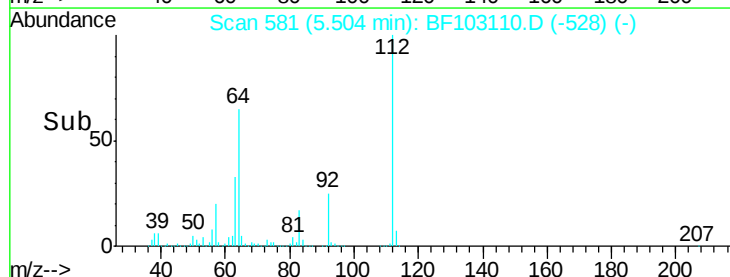
#5

2-Fluorophenol
Concen: 107.83 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

Tgt Ion:112 Resp: 1143959
Ion Ratio Lower Upper
112 100
64 65.3 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: 105.41 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103110.D

Acq: 20 Feb 2018 4:26

Instrument :

BNA_F

ClientSampleId :

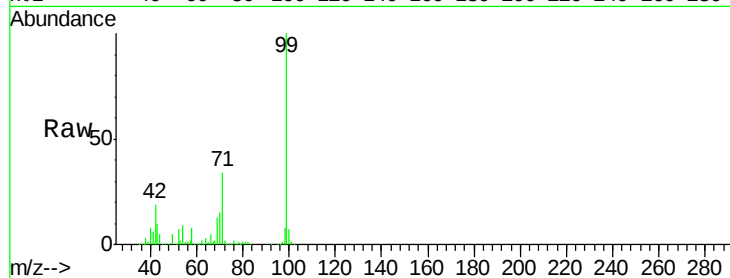
Tot Ion: 99 Resp: 1346473

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

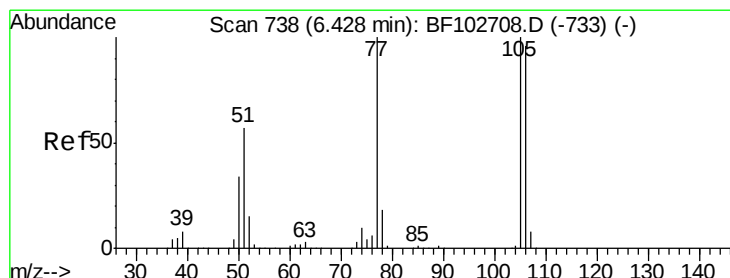
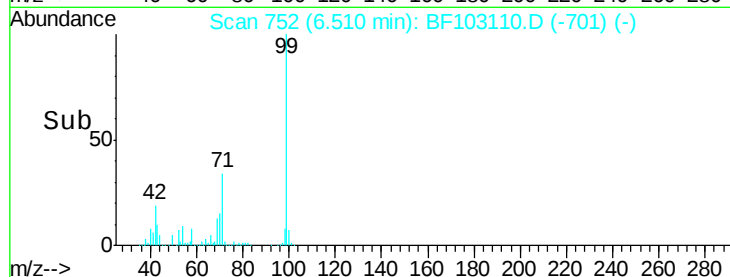
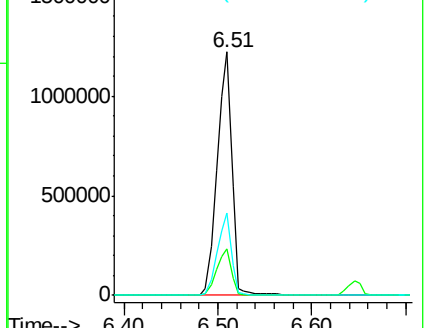
71 33.6 25.4 38.0



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: 2.51 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.21 min

Lab File: BF103110.D

Acq: 20 Feb 2018 4:26

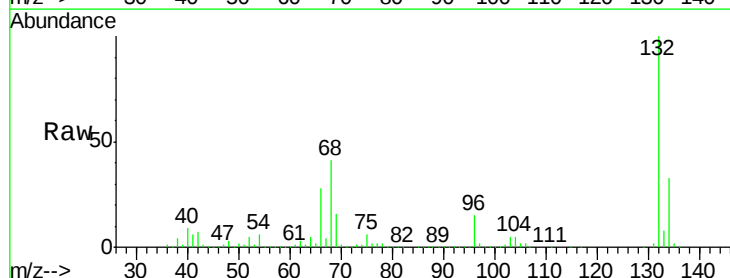
Tgt Ion: 77 Resp: 23826

Ion Ratio Lower Upper

77 100

105 84.4 81.1 121.1

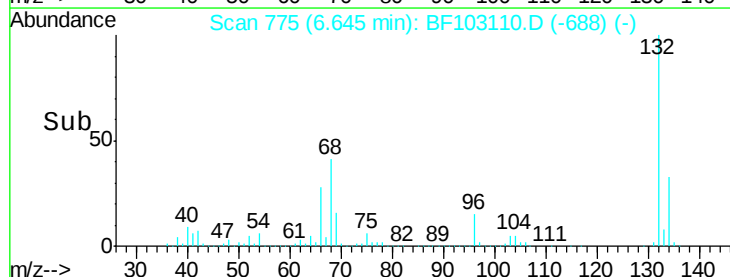
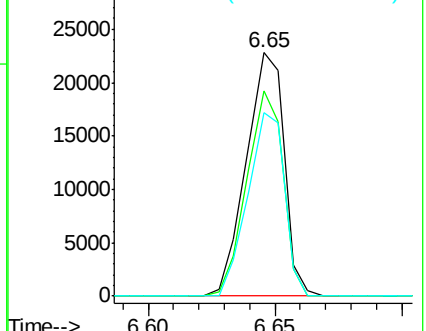
106 75.1 74.5 114.5



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

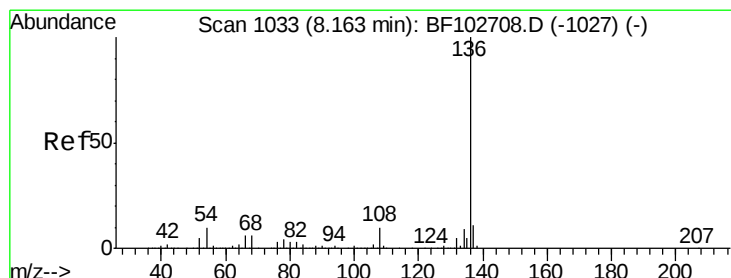
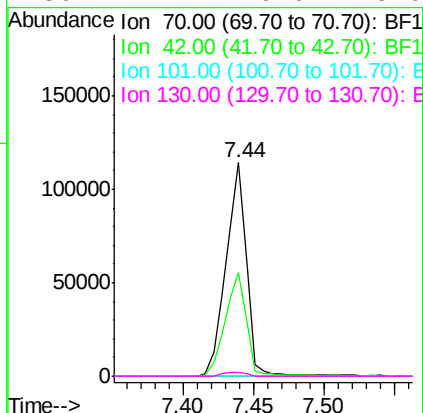
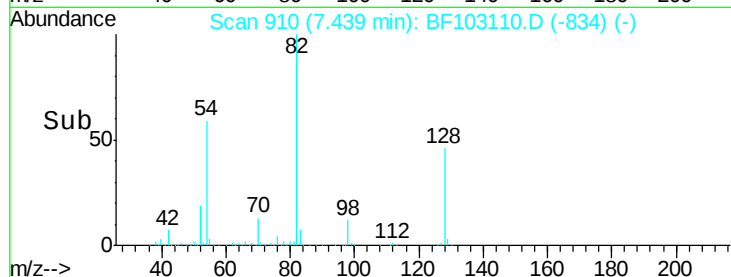
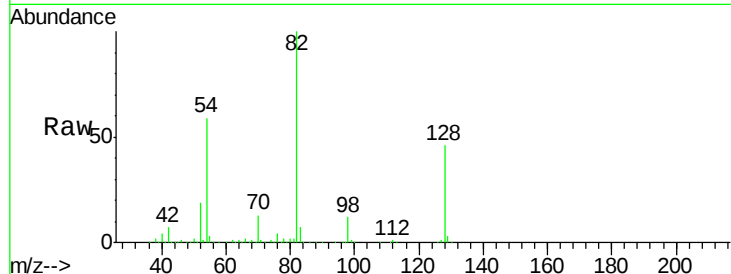




#19
n-Nitroso-di-n-propylamine
Concen: 13.74 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

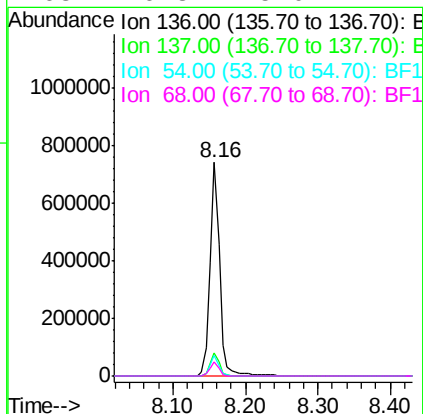
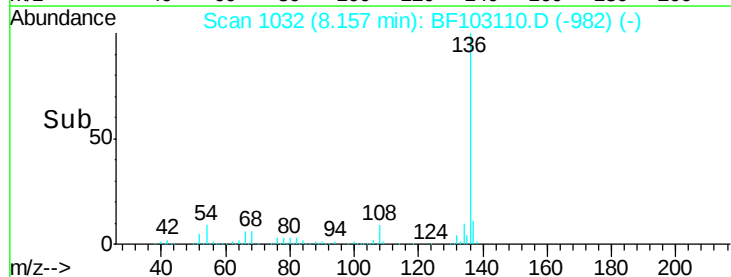
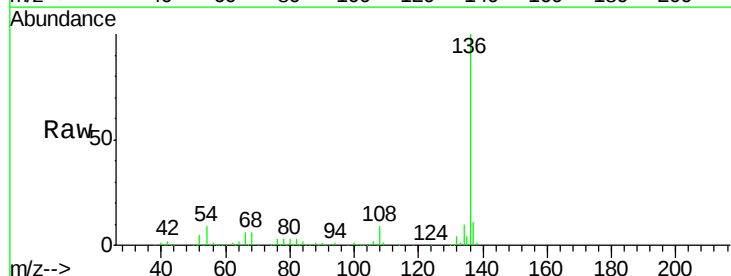
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 115723
Ion Ratio Lower Upper
70 100
42 48.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

Tgt Ion: 136 Resp: 687152
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.4 6.6 9.8
68 6.3 5.0 7.4

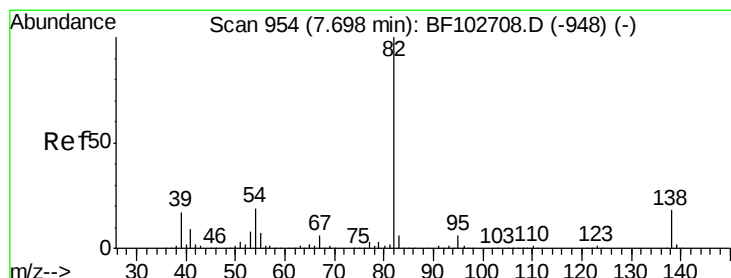
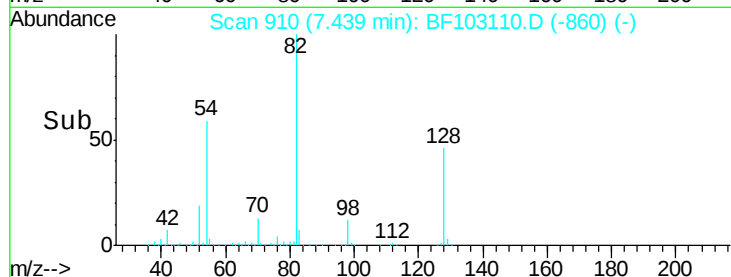
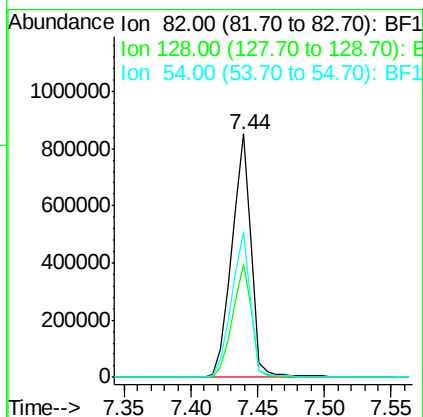
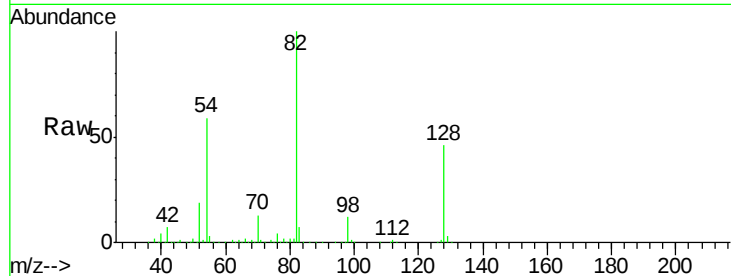




#23
Nitrobenzene-d5
Concen: 88.12 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

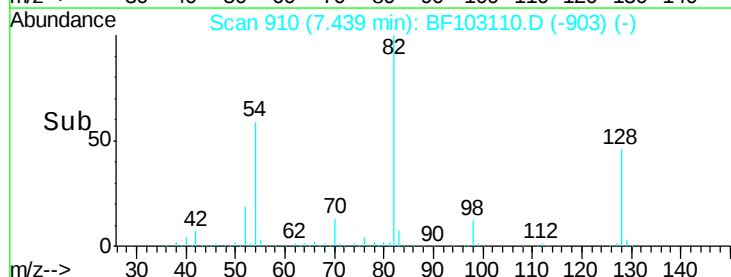
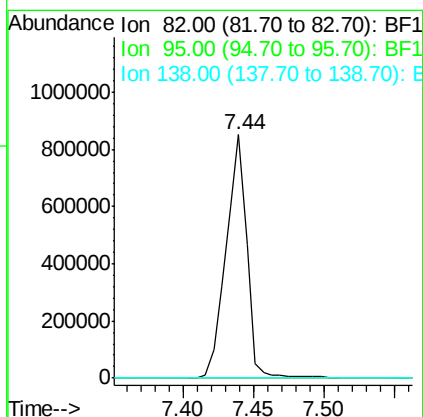
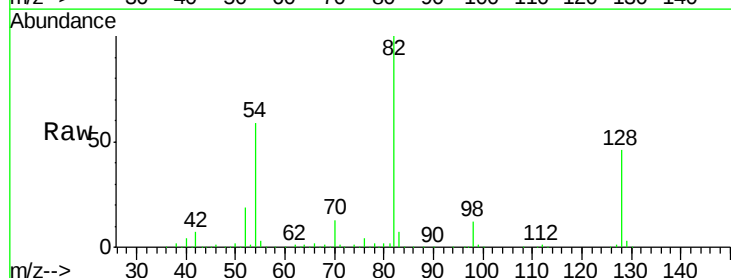
Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	872849
Ion Ratio	Lower	Upper	
82	100		
128	46.4	36.1	54.1
54	59.4	41.4	62.2



#25
Isophorone
Concen: 38.27 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

Tgt Ion	82	Resp	872841
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103110.D

Acq: 20 Feb 2018 4:26

Instrument :

BNA_F

ClientSampleId :

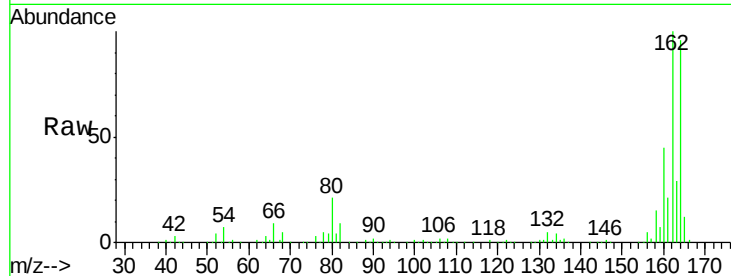
Tot Ion:164 Resp: 294838

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

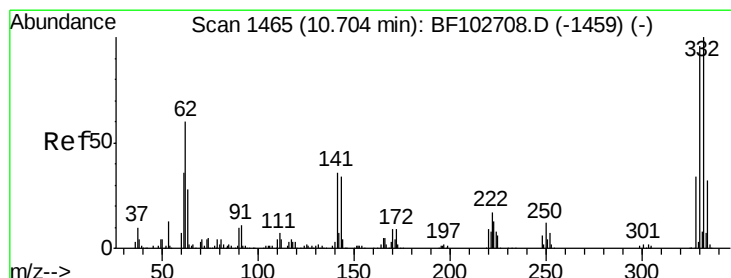
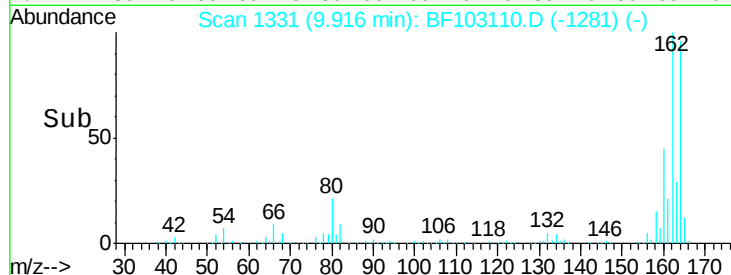
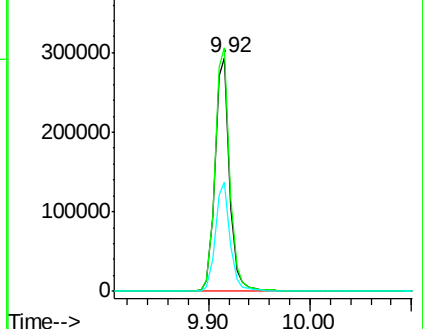
160 46.7 38.3 57.5



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: 97.22 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF103110.D

Acq: 20 Feb 2018 4:26

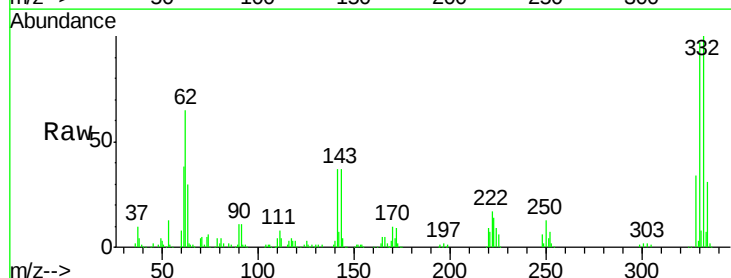
Tgt Ion:330 Resp: 230720

Ion Ratio Lower Upper

330 100

332 103.3 77.0 115.6

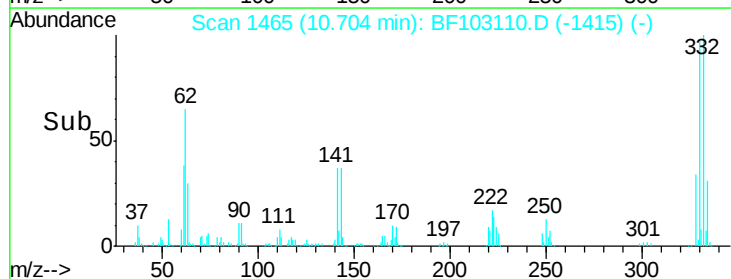
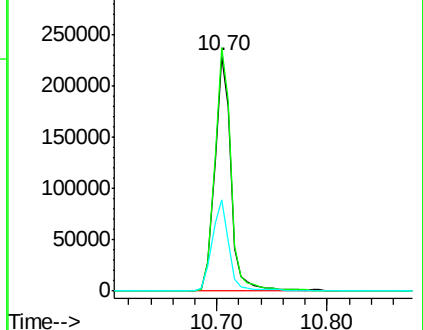
141 39.6 29.9 44.9

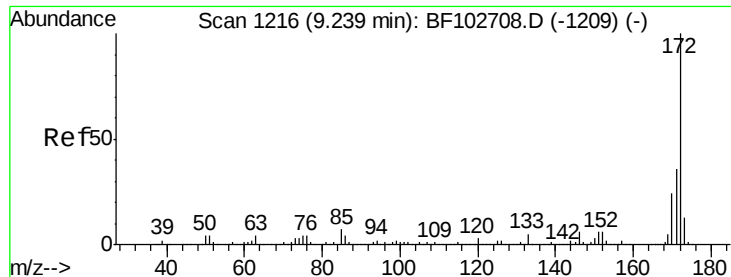


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



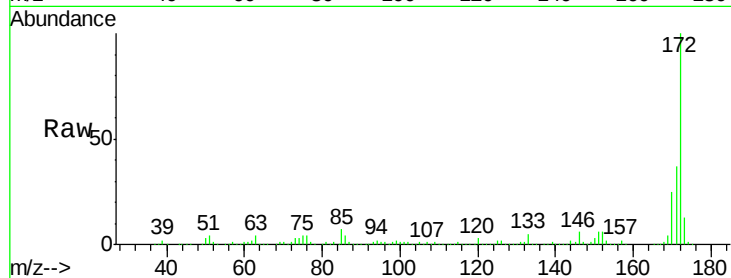


#44
 2-Fluorobiphenyl
 Concen: 79.73 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103110.D
 Acq: 20 Feb 2018 4:26

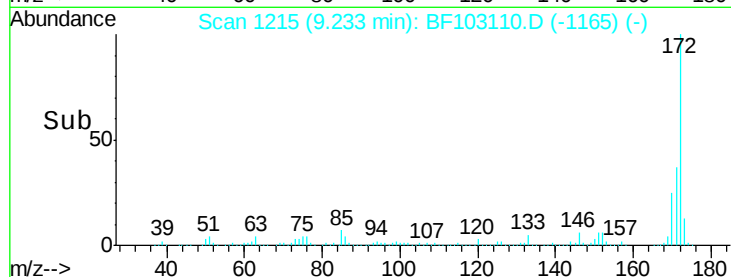
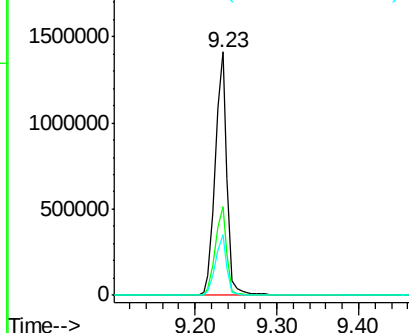
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1416705

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.8	19.6	29.4



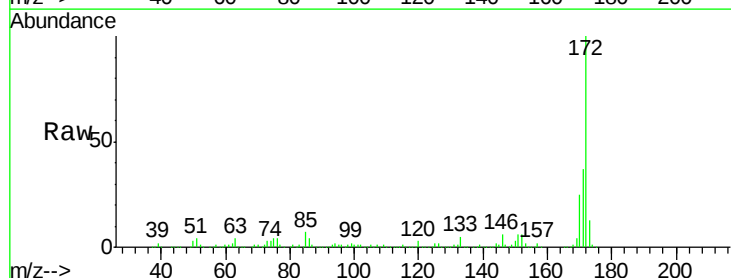
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



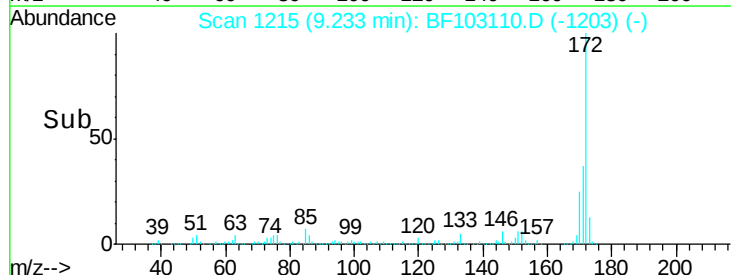
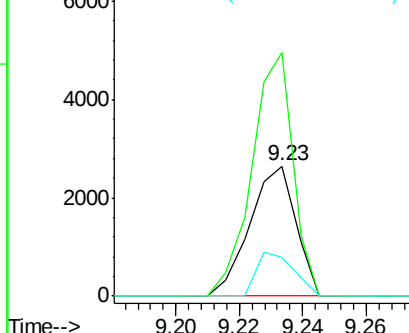
#47
 2-Nitroaniline
 Concen: 3.88 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.23 min
 Lab File: BF103110.D
 Acq: 20 Feb 2018 4:26

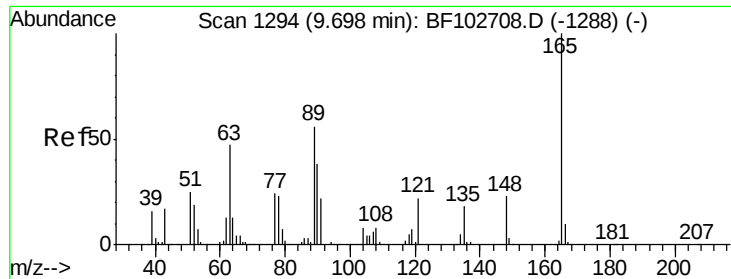
Tgt Ion: 65 Resp: 2671

Ion	Ratio	Lower	Upper
65	100		
92	186.9	55.8	83.6#
138	29.5	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): E

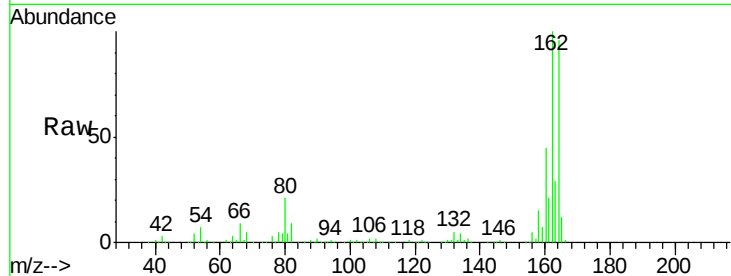




#50
 2,6-Dinitrotoluene
 Concen: 8.55 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103110.D
 Acq: 20 Feb 2018 4:26

Instrument :
 BNA_F
 ClientSampleId :

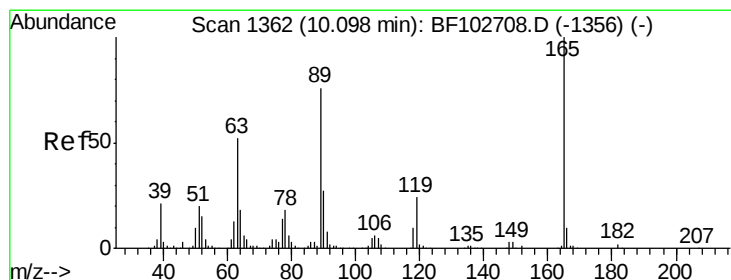
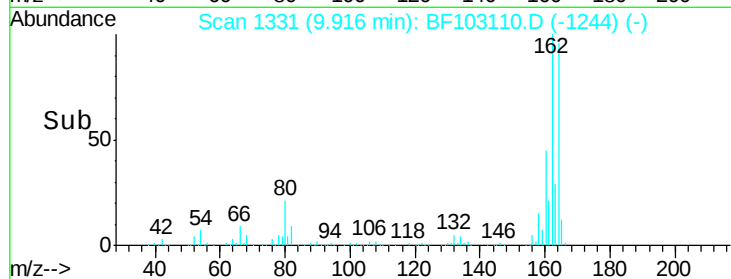
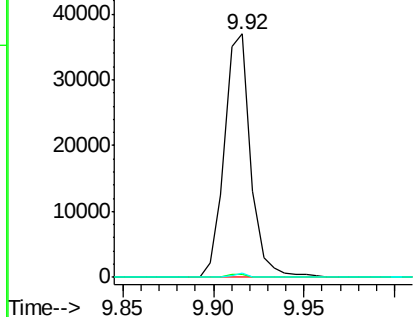
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.6	44.0	66.0#



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: 9.04 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103110.D
 Acq: 20 Feb 2018 4:26

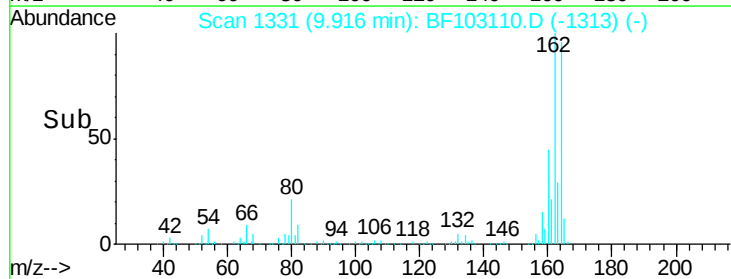
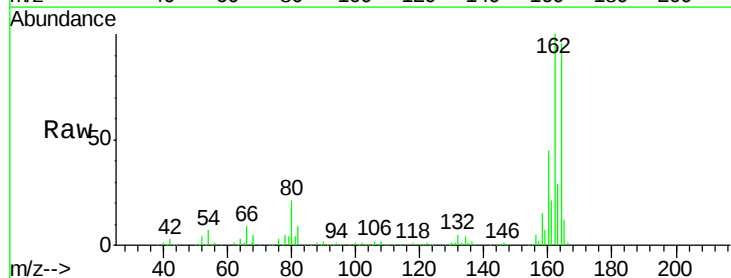
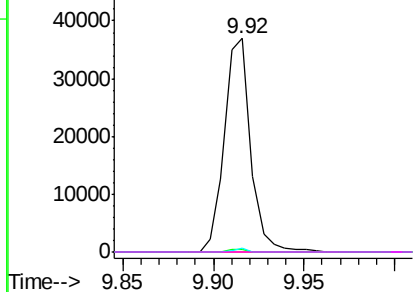
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

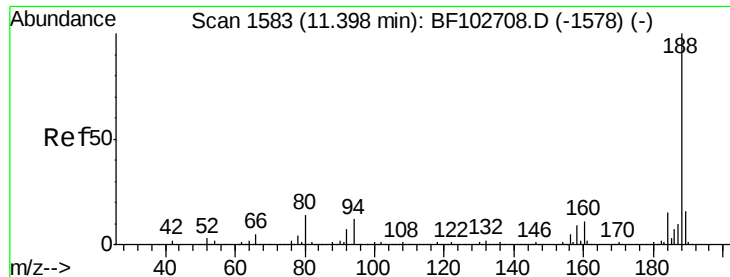
Abundance Ion 165.00 (164.70 to 165.70): E

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

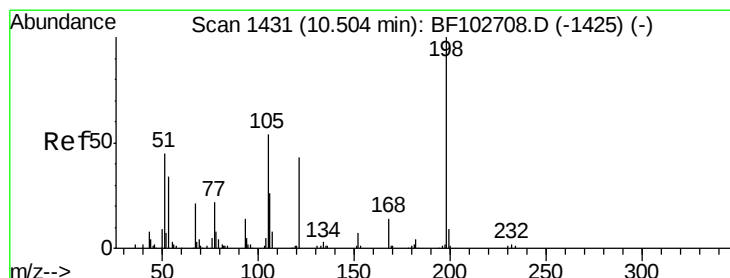
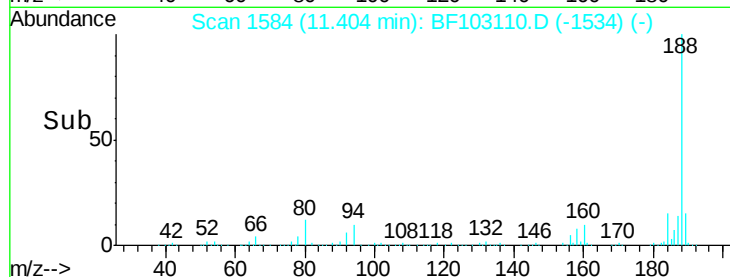
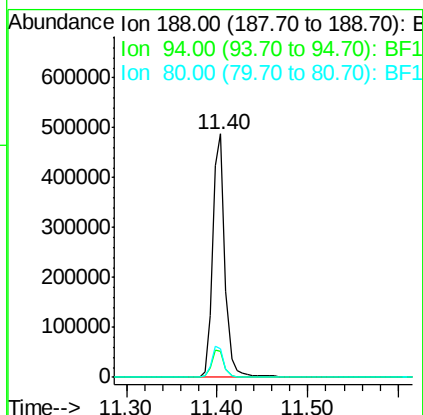
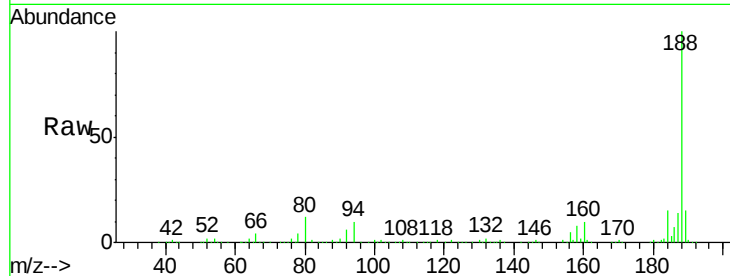




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

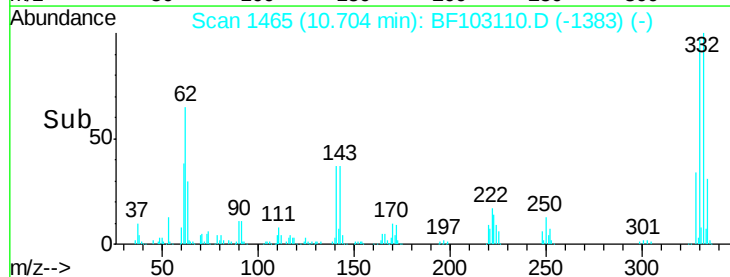
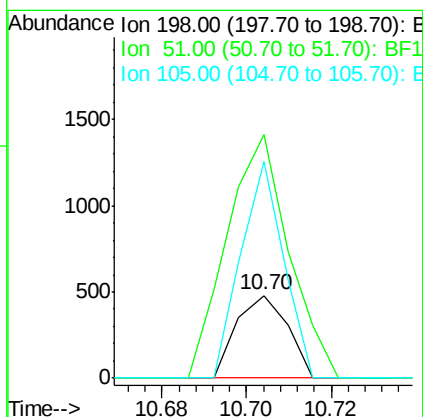
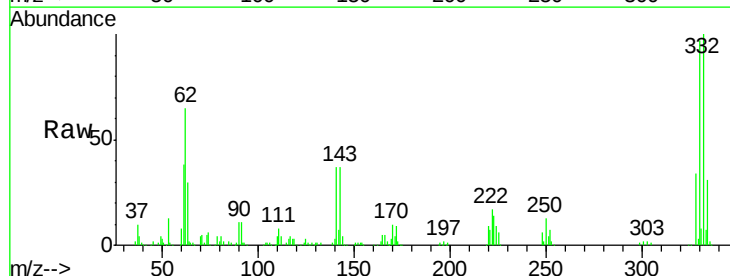
Instrument :
BNA_F
ClientSampleId :

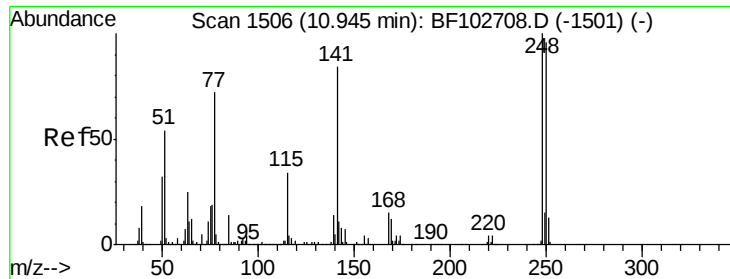
Tot Ion:188 Resp: 461942
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.99 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

Tgt Ion:198 Resp: 401
Ion Ratio Lower Upper
198 100
51 295.4 37.7 77.7#
105 263.4 36.3 76.3#

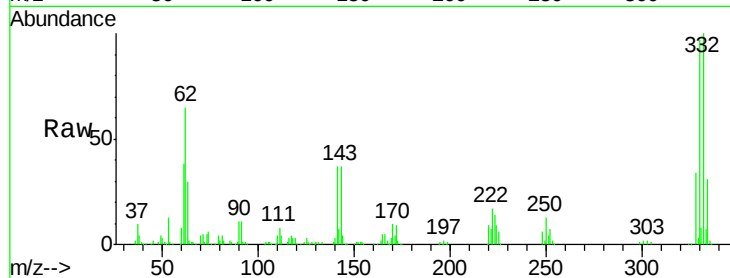




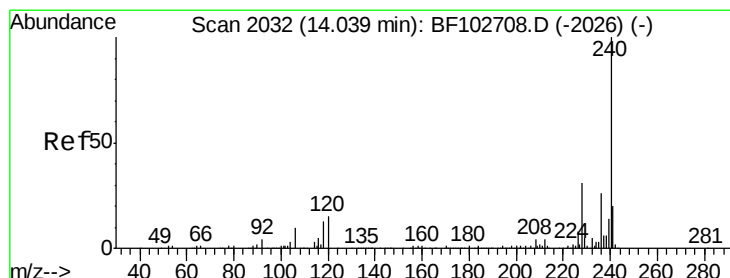
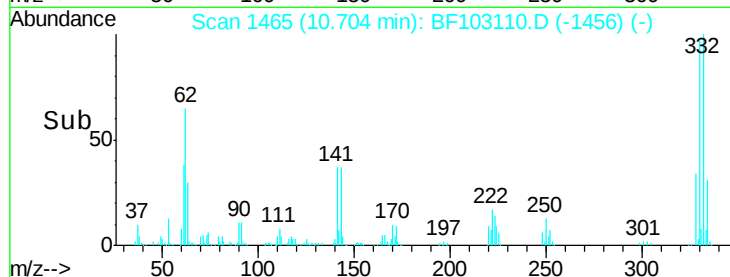
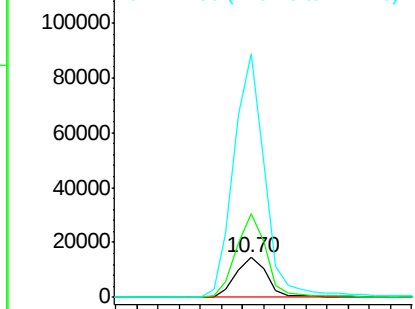
#66
4-Bromophenyl-phenylether
Concen: 3.03 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 14812
Ion Ratio Lower Upper
248 100
250 210.5 76.9 115.3#
141 609.3 74.4 111.6#

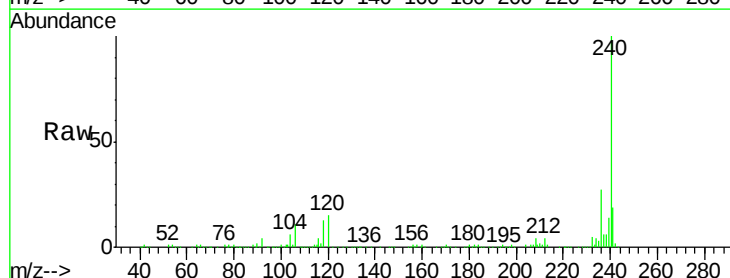


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

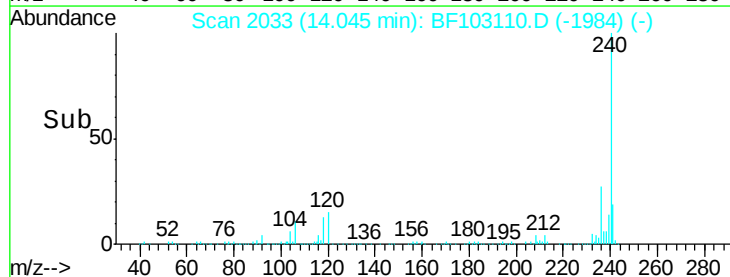
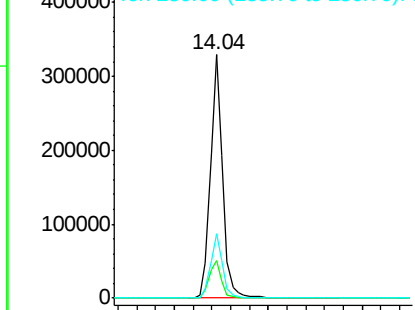


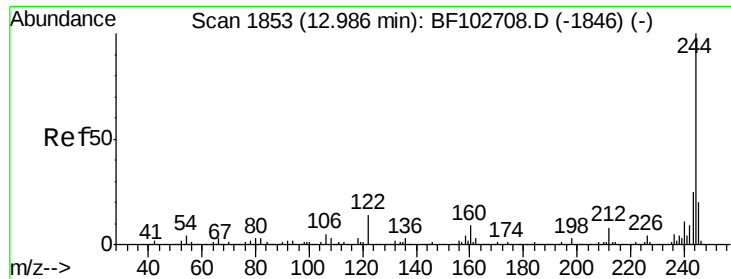
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103110.D
Acq: 20 Feb 2018 4:26

Tgt Ion:240 Resp: 302227
Ion Ratio Lower Upper
240 100
120 15.2 9.5 14.3#
236 26.6 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: 81.99 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103110.D

Acq: 20 Feb 2018 4:26

Instrument :

BNA_F

ClientSampled :

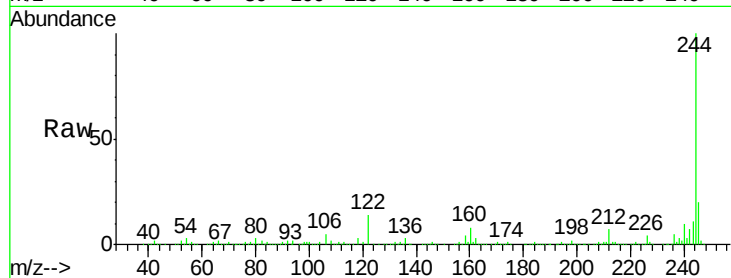
Tot Ion:244 Resp: 1046593

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

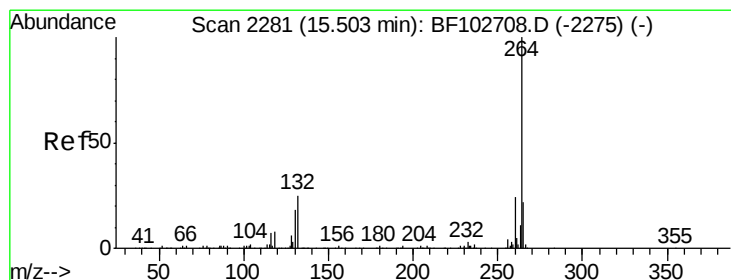
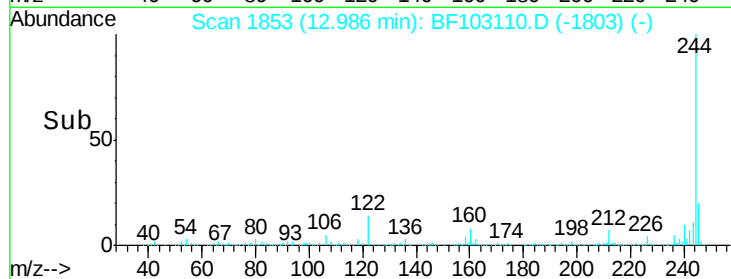
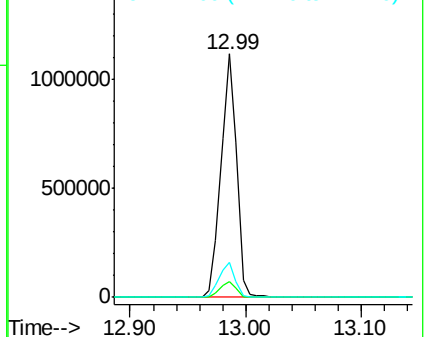
122 14.2 11.0 16.4



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# 2286

Delta R.T. -0.01 min

Lab File: BF103110.D

Acq: 20 Feb 2018 4:26

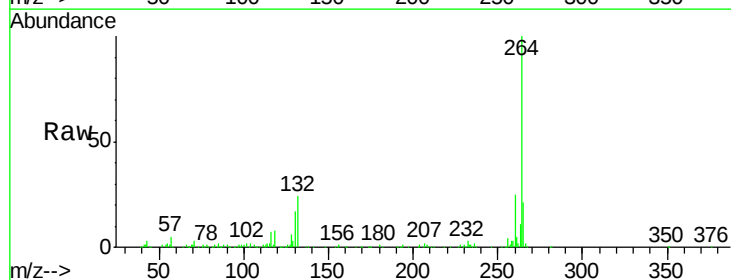
Tgt Ion:264 Resp: 263688

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 20.7 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

