

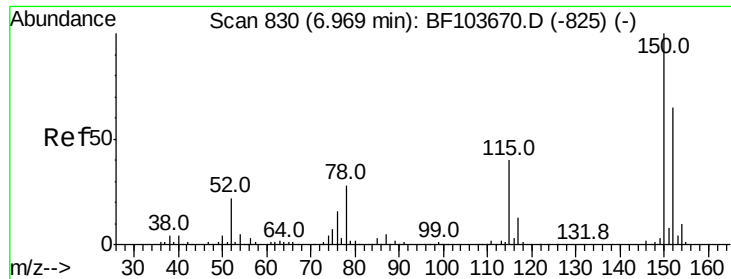
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103815.D
 Acq On : 20 Mar 2018 21:02
 Operator : JU/SJ
 Sample : J1974-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 00:59:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	163785	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	633711	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	270010	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	424837	20.00	ng	0.00
75) Chrysene-d12	14.16	240	286299	20.00	ng	0.00
86) Perylene-d12	15.70	264	264575	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1177422	109.34	ng	0.02
7) Phenol-d6	6.60	99	1419774	107.77	ng	0.01
23) Nitrobenzene-d5	7.53	82	873209	96.09	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	251915	108.51	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1321399	78.06	ng	0.00
78) Terphenyl-d14	13.09	244	965950	78.31	ng	0.00
Target Compounds						
9) Benzaldehyde	6.75	77	24606	2.843	ng	82
19) n-Nitroso-di-n-propylamine	7.53	70	113100	13.396	ng	# 73
25) Isophorone	7.53	82	873321	41.515	ng	# 64
47) 2-Nitroaniline	9.72	65	1412	7.073	ng	# 1
49) Dimethylphthalate	9.72	163	179385	8.708	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1819	4.402	ng	# 19
55) 4-Nitrophenol	10.22	139	704	5.145	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	34529	12.168	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	529	8.490	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	14368	3.294	ng	# 1
87) Benzo(b)fluoranthene	15.23	252	37588	2.249	ng	# 93
88) Benzo(k)fluoranthene	15.23	252	37588	2.339	ng	# 95

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

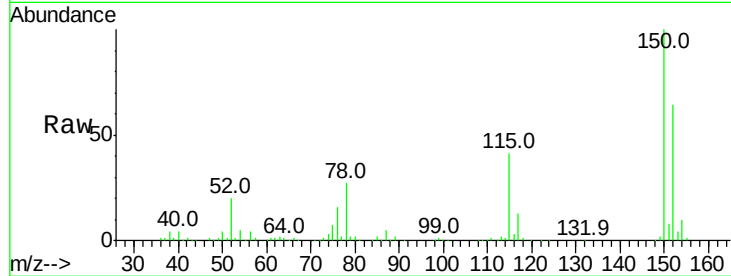


#1

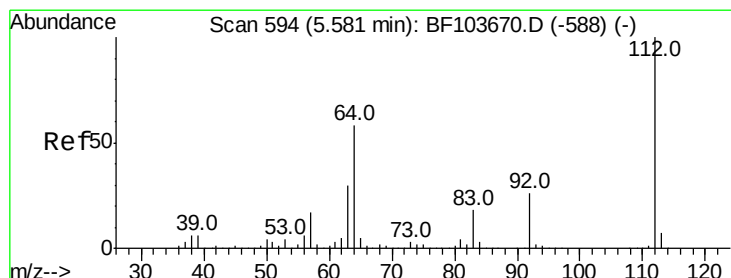
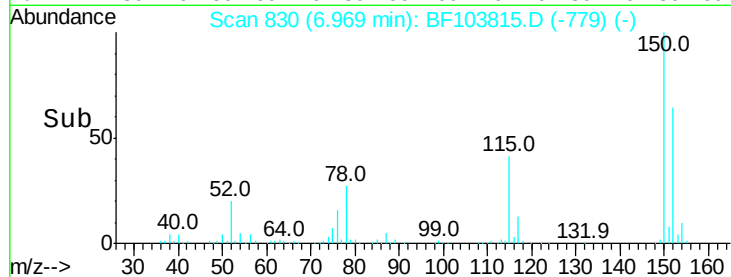
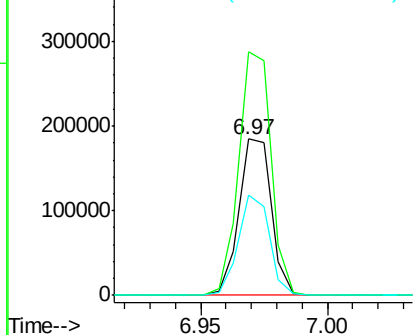
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103815.D
Acq: 20 Mar 2018 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 163785
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 64.5 50.1 75.1



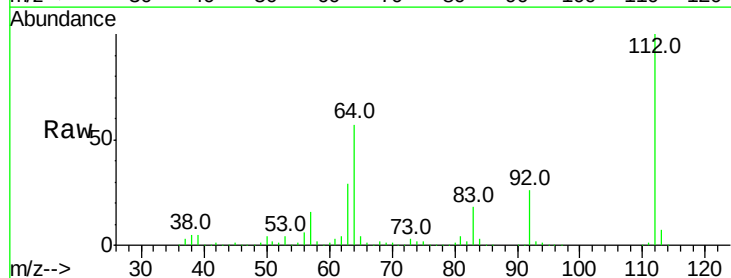
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



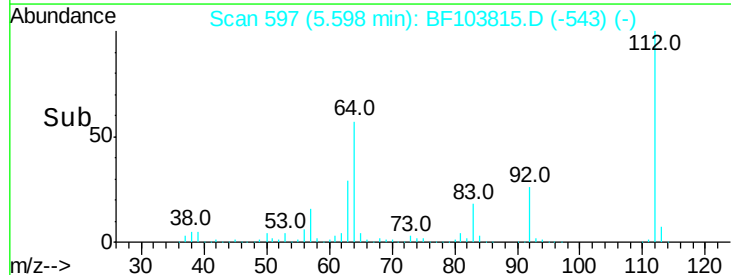
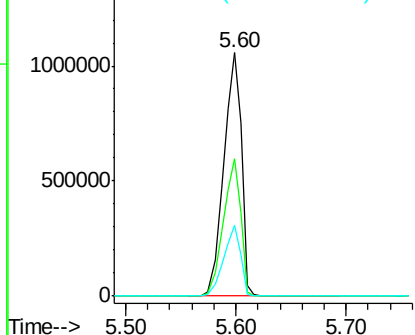
#5

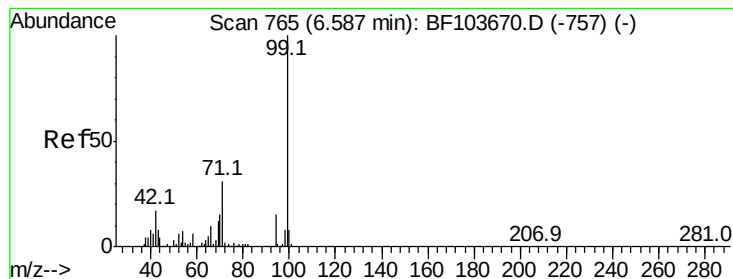
2-Fluorophenol
Concen: 109.342 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103815.D
Acq: 20 Mar 2018 21:02

Tgt Ion:112 Resp: 1177422
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 29.0 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: 107.769 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

Instrument :

BNA_F

ClientSampleId :

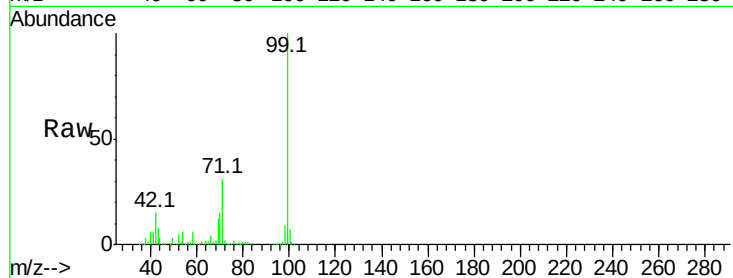
Tot Ion: 99 Resp: 1419774

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

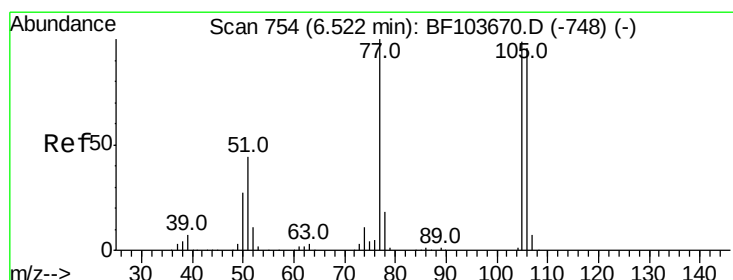
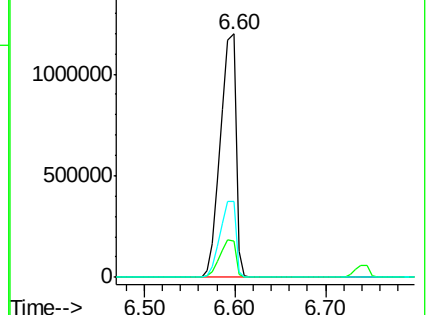
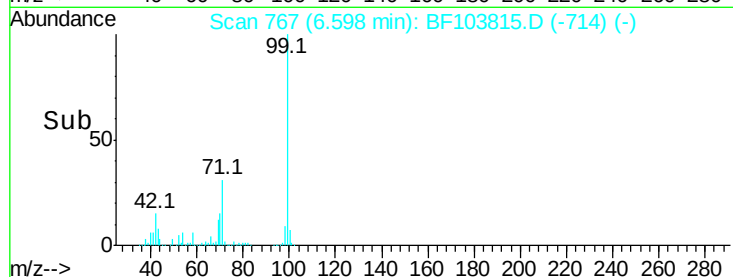
71 31.4 25.4 38.0



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: 2.843 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

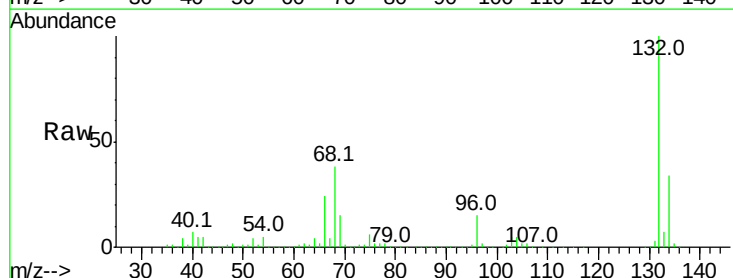
Tgt Ion: 77 Resp: 24606

Ion Ratio Lower Upper

77 100

105 84.0 81.1 121.1

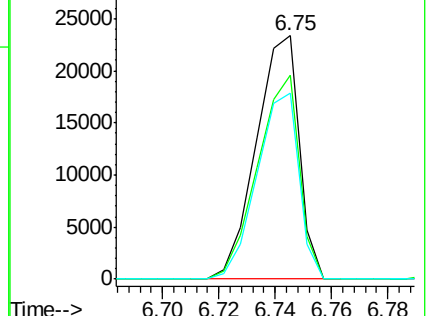
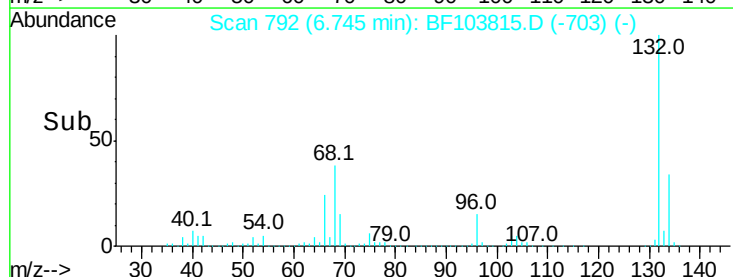
106 76.4 74.5 114.5

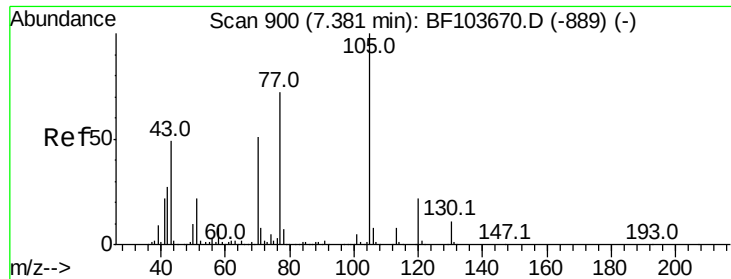


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 13.396 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 113100

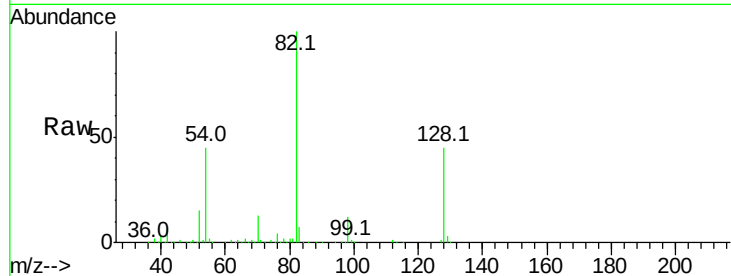
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

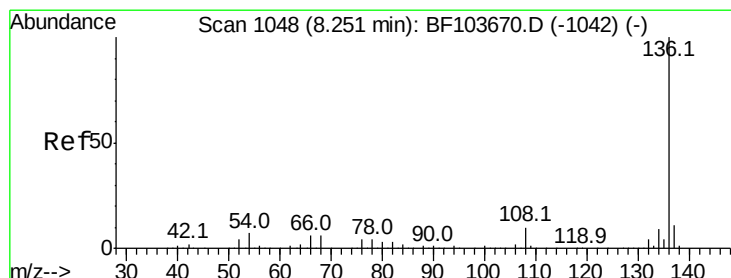
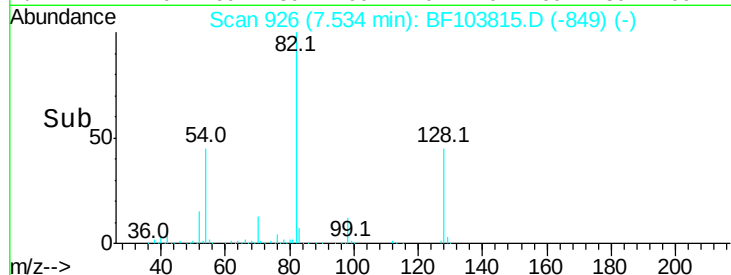
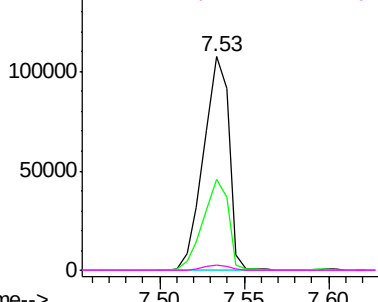


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

Tgt Ion:136 Resp: 633711

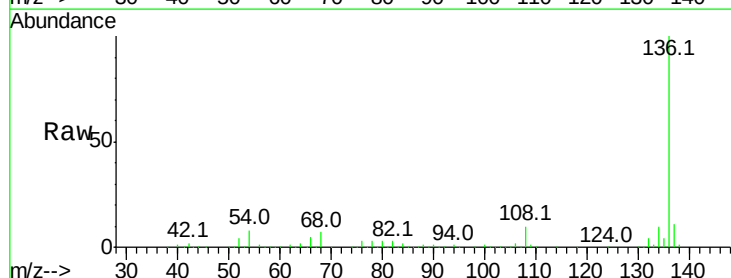
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.6 6.6 9.8

68 6.8 5.0 7.4

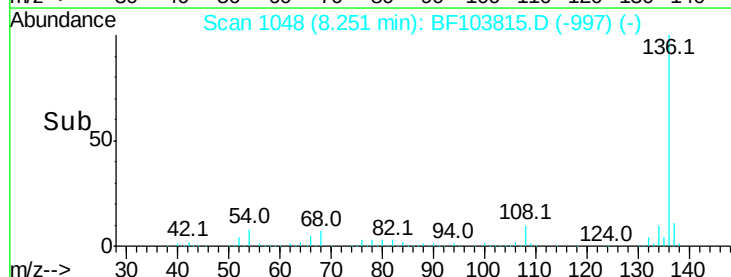
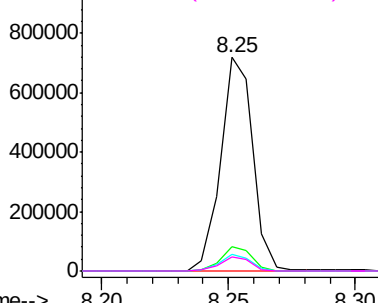


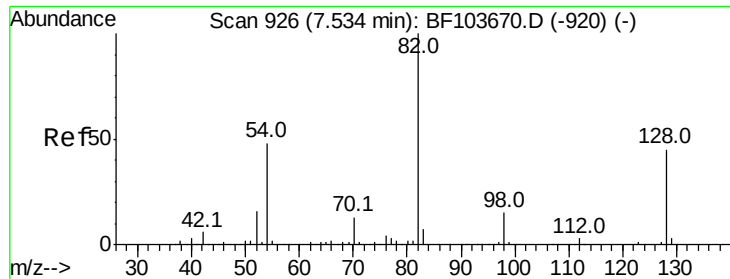
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

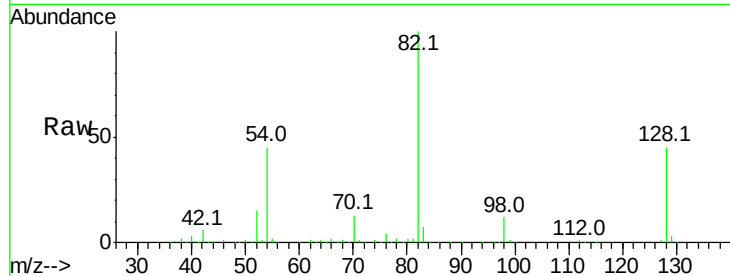




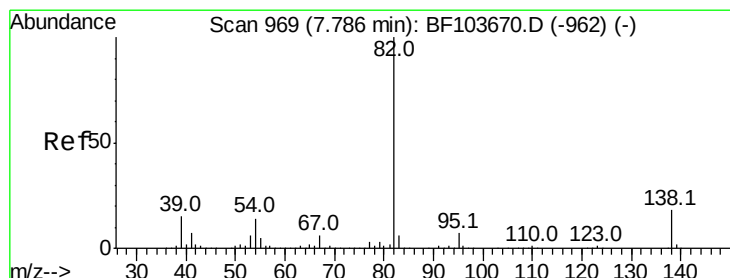
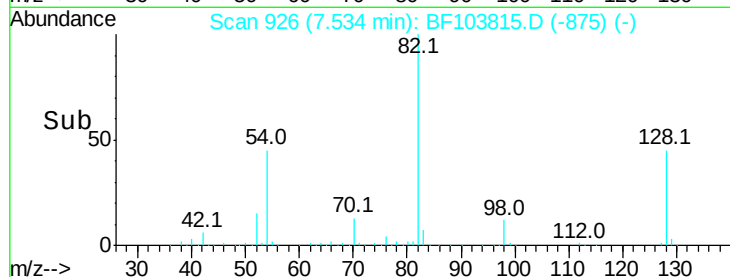
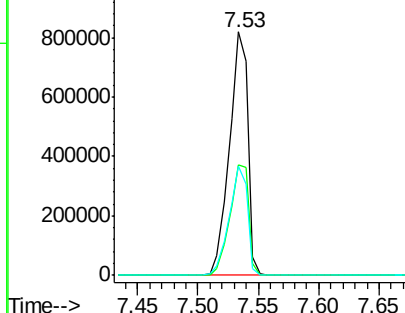
#23
 Nitrobenzene-d5
 Concen: 96.091 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	873209
Ion Ratio	Lower	Upper	
82	100		
128	45.4	36.1	54.1
54	45.0	41.4	62.2

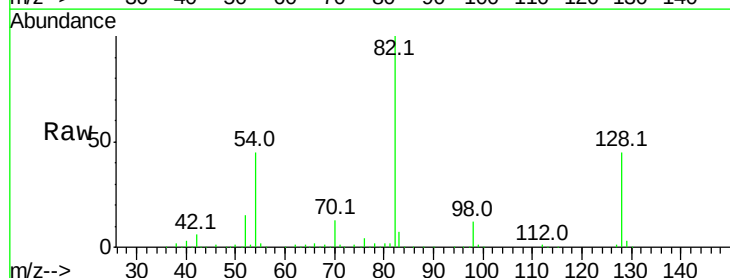


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

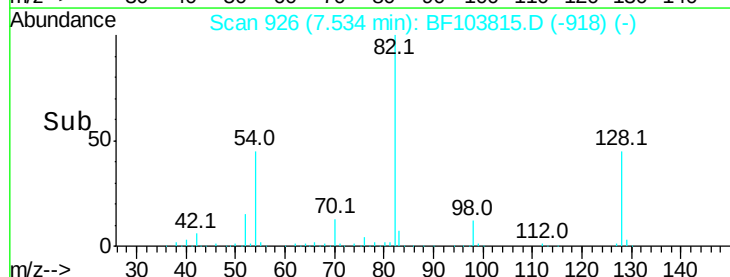
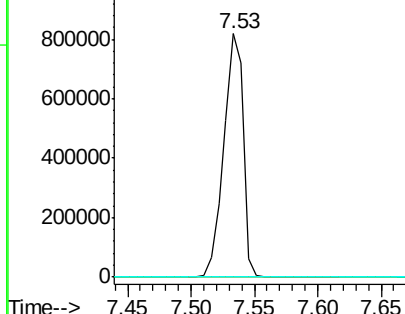


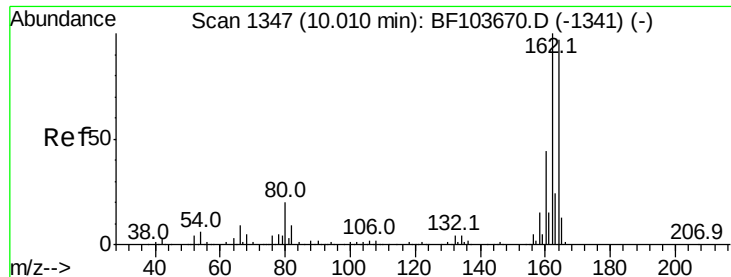
#25
 Isophorone
 Concen: 41.515 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.25 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

Tgt Ion	82	Resp	873321
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

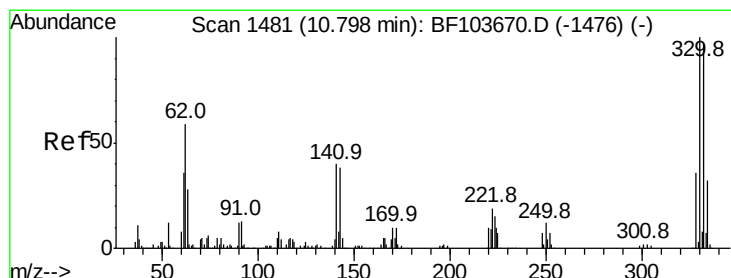
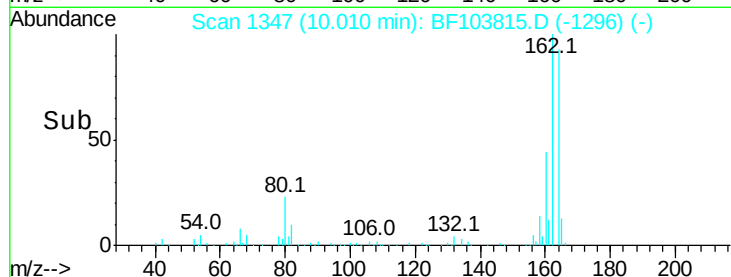
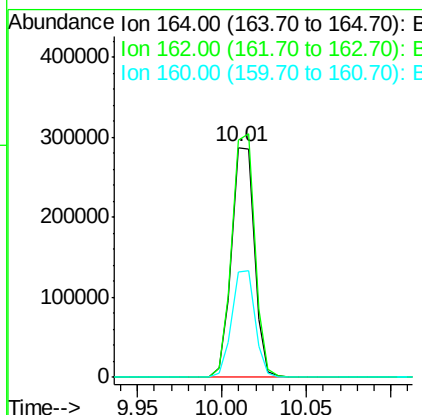
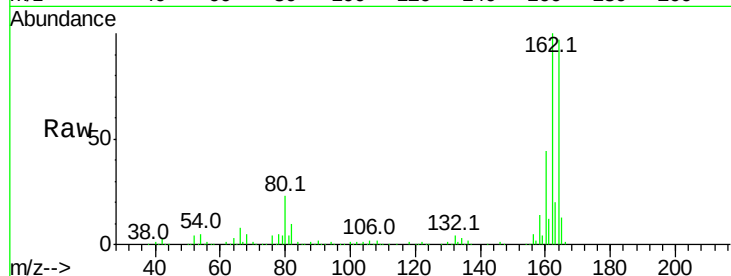




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

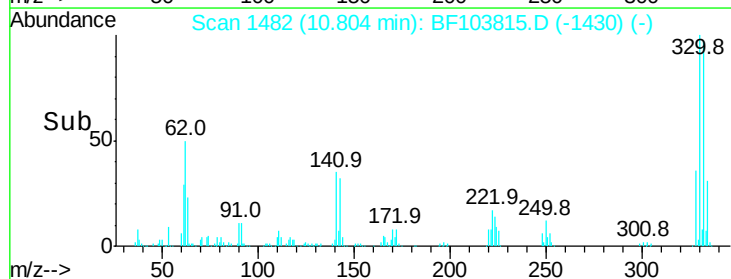
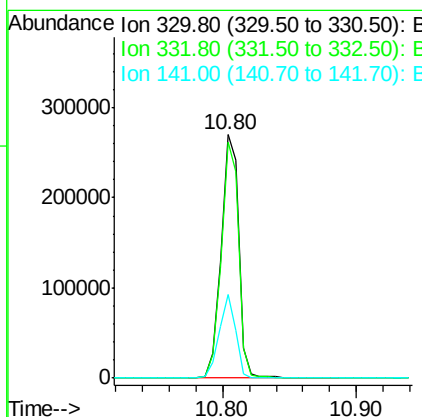
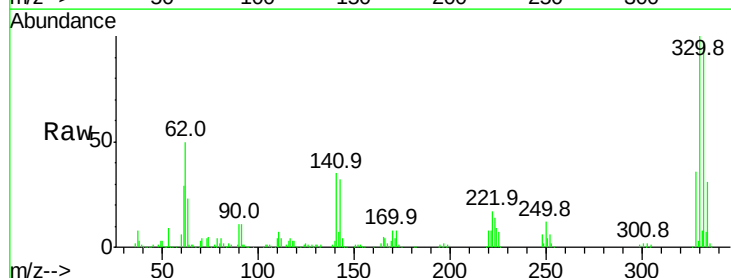
Instrument :
 BNA_F
 ClientSampled :

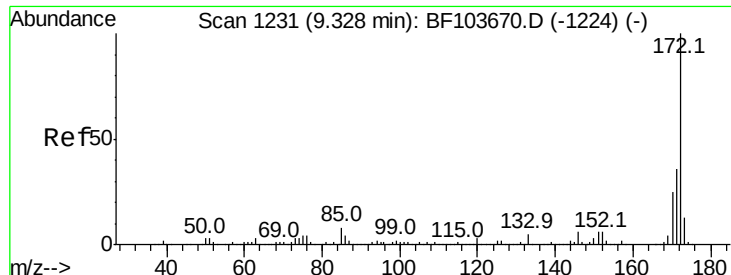
Tot Ion:164 Resp: 270010
 Ion Ratio Lower Upper
 164 100
 162 103.3 86.1 129.1
 160 45.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 108.511 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

Tgt Ion:330 Resp: 251915
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 32.5 29.9 44.9



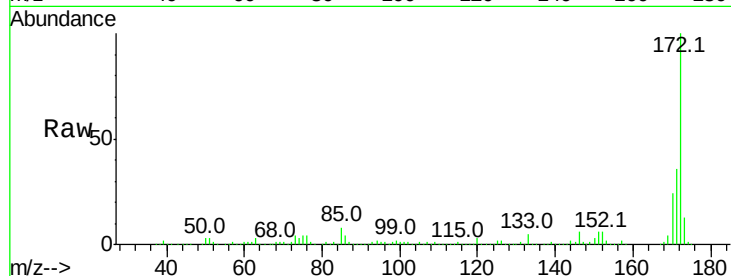


#44
 2-Fluorobiphenyl
 Concen: 78.065 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

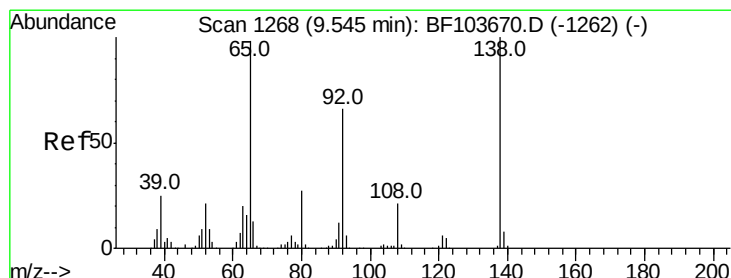
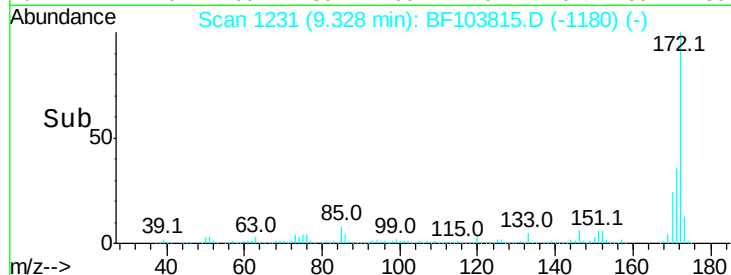
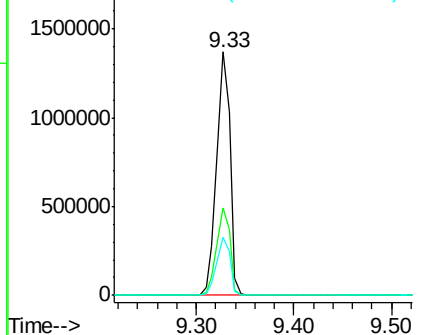
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1321399

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.9	19.6	29.4



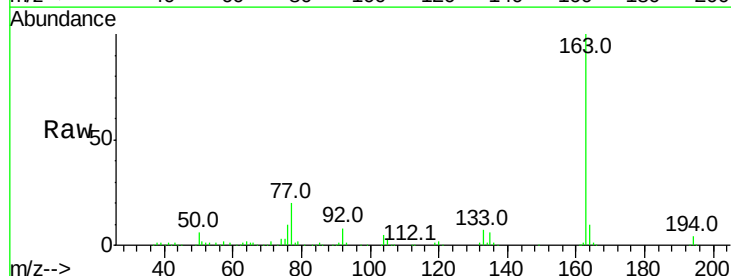
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



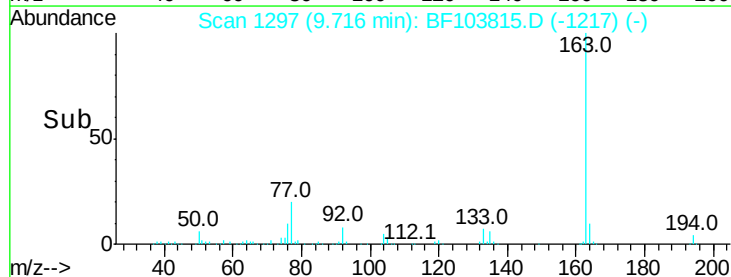
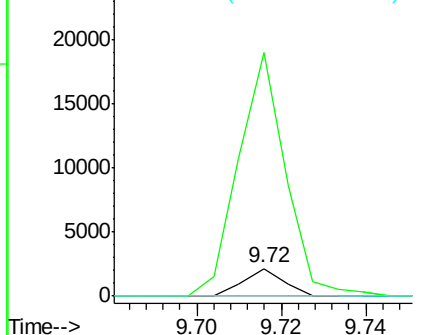
#47
 2-Nitroaniline
 Concen: 7.073 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.17 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

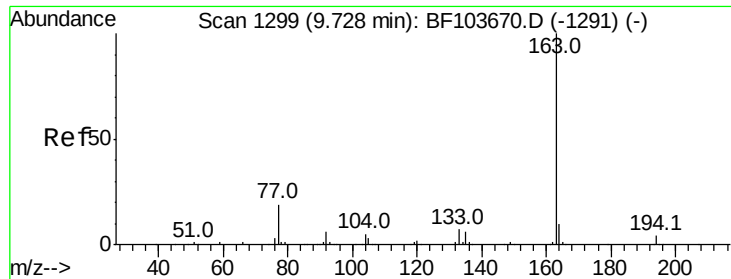
Tgt Ion: 65 Resp: 1412

Ion	Ratio	Lower	Upper
65	100		
92	876.0	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): E





#49

Dimethylphthalate

Concen: 8.708 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

Instrument :

BNA_F

ClientSampleId :

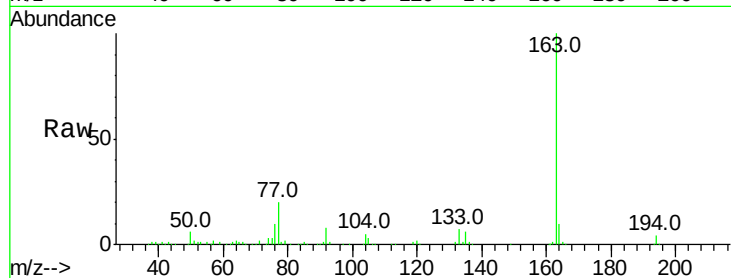
Tot Ion:163 Resp: 179385

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

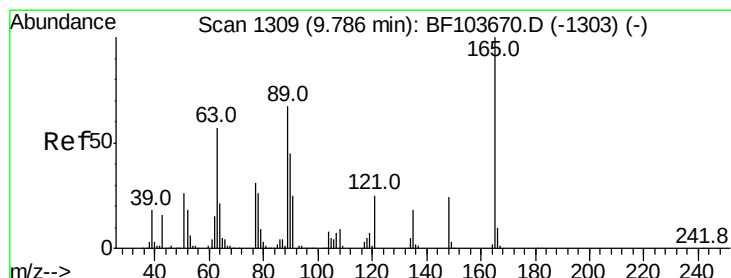
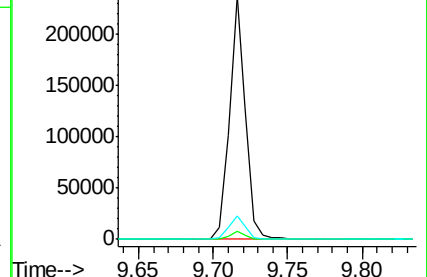
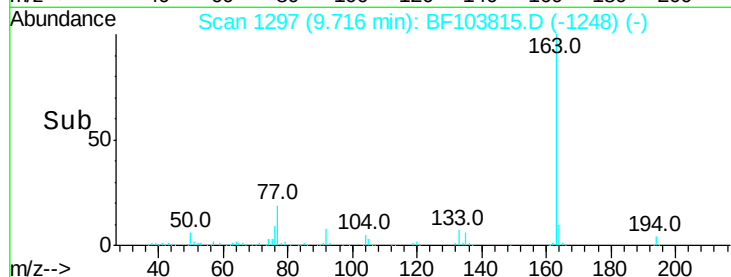
164 9.8 8.2 12.2



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: 4.402 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.07 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

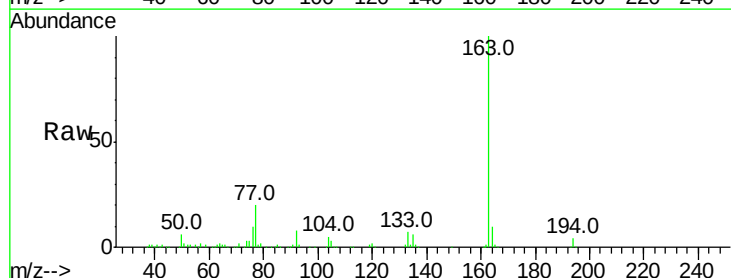
Tgt Ion:165 Resp: 1819

Ion Ratio Lower Upper

165 100

63 134.5 44.7 67.1#

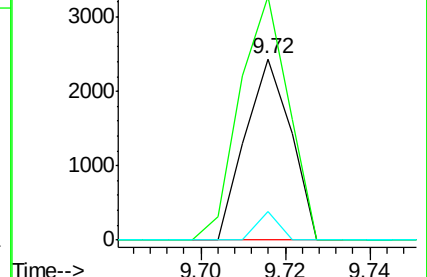
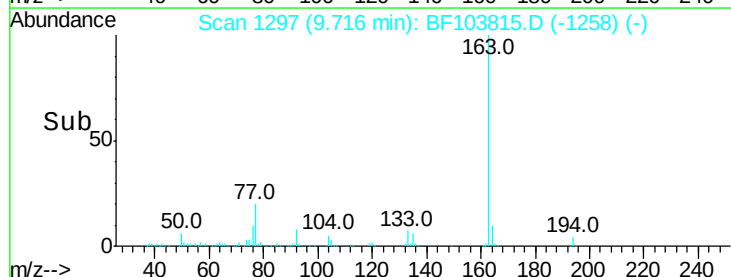
89 16.1 44.0 66.0#

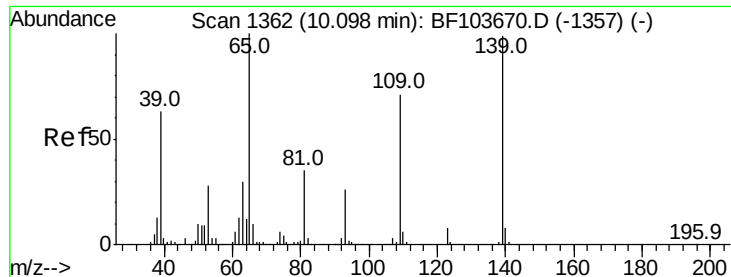


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 5.145 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.12 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

Instrument :

BNA_F

ClientSampled :

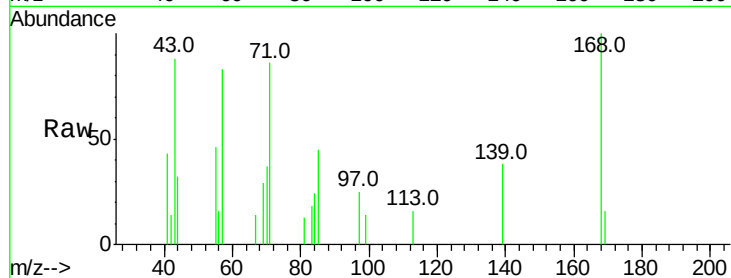
Tot Ion:139 Resp: 704

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

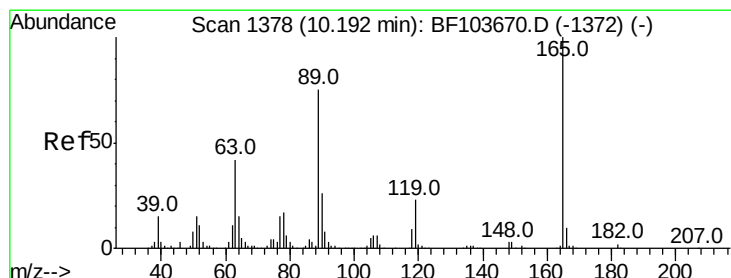
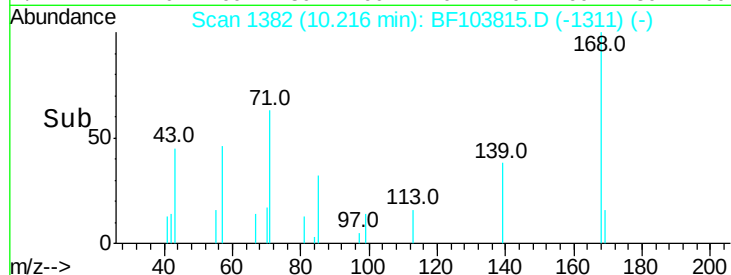
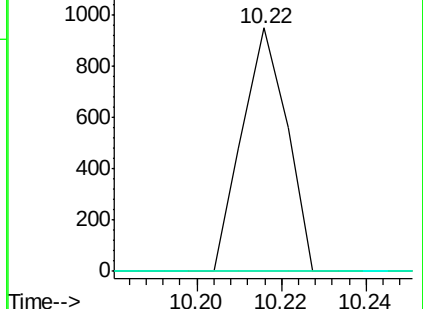
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 12.168 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.18 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

Tgt Ion:165 Resp: 34529

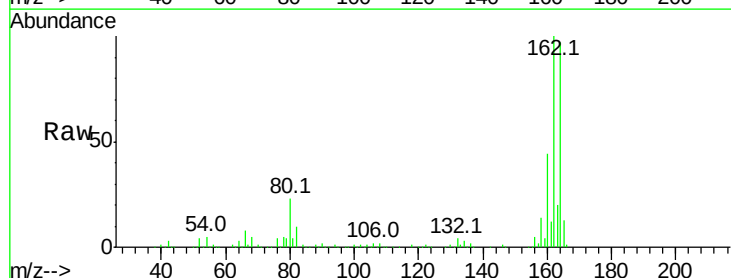
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.0 57.8 86.6#

182 0.0 1.6 2.4#

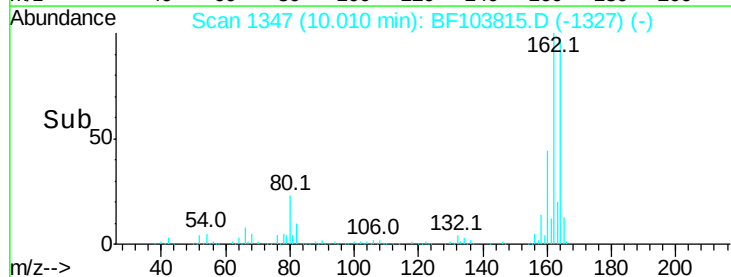
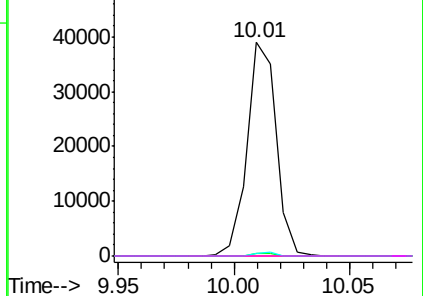


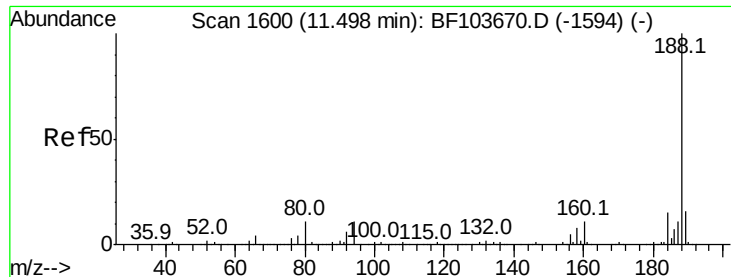
Abundance Ion 165.00 (164.70 to 165.70): E

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

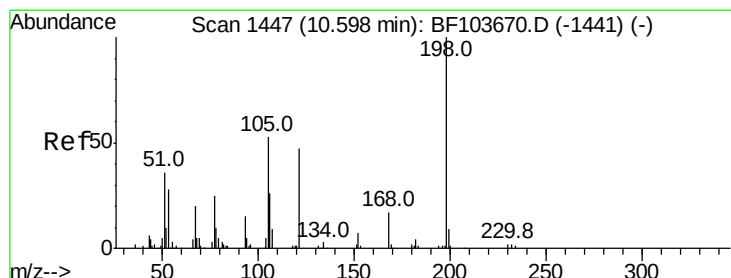
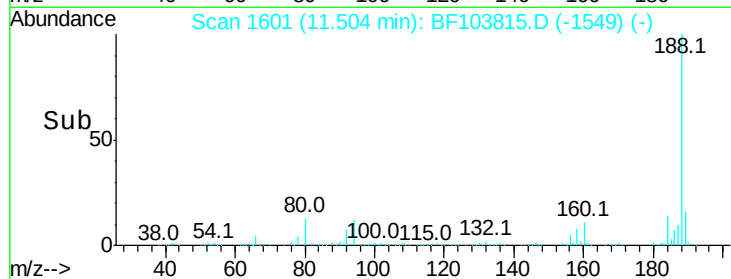
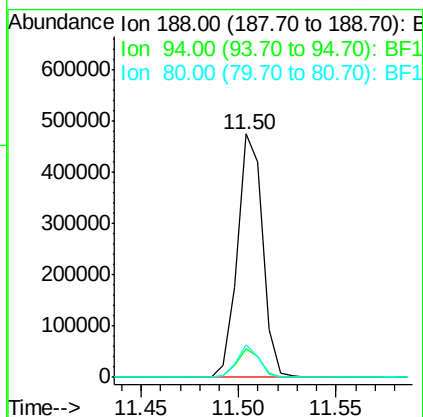
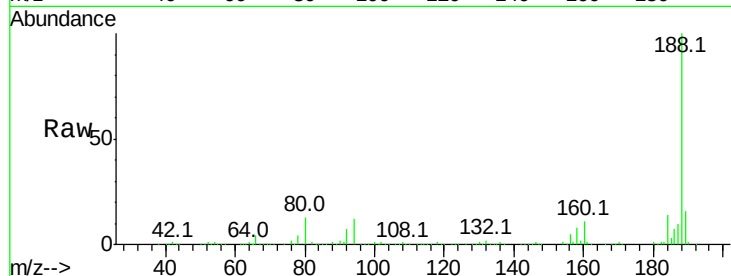




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

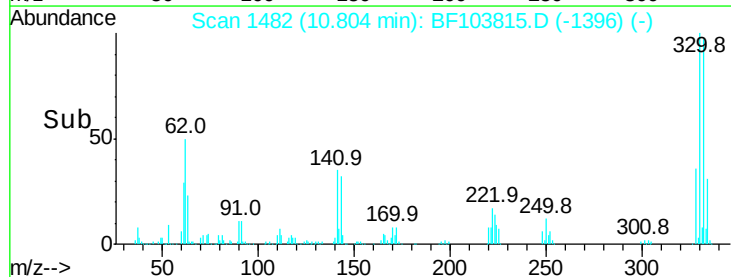
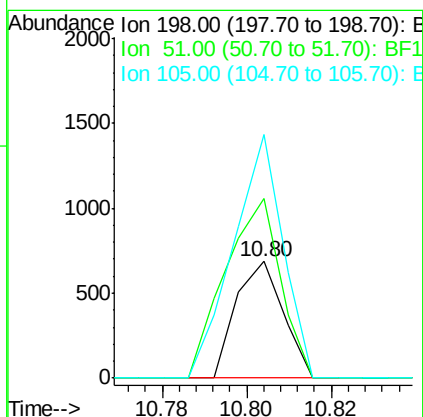
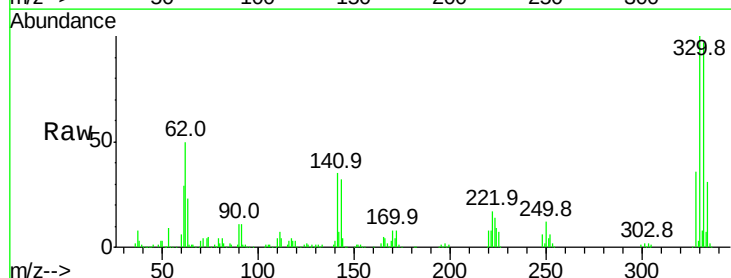
Instrument :
 BNA_F
 ClientSampleId :

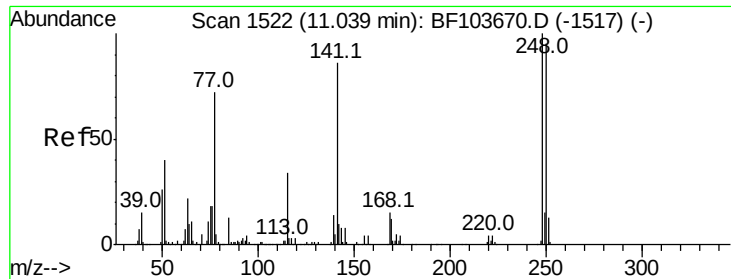
Tot Ion:188 Resp: 424837
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 13.1 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.490 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

Tgt Ion:198 Resp: 529
 Ion Ratio Lower Upper
 198 100
 51 154.7 37.7 77.7#
 105 209.0 36.3 76.3#

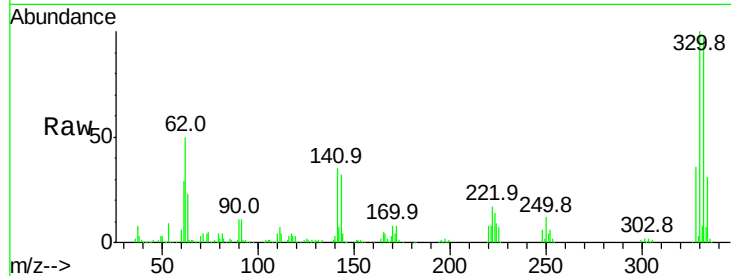




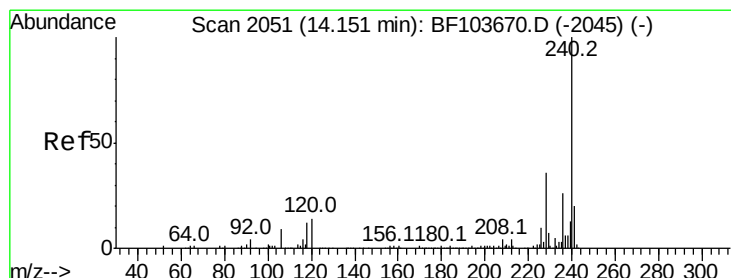
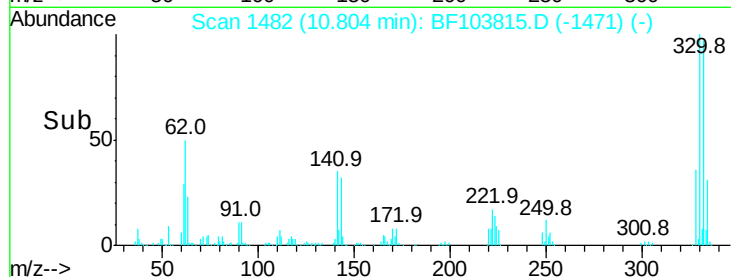
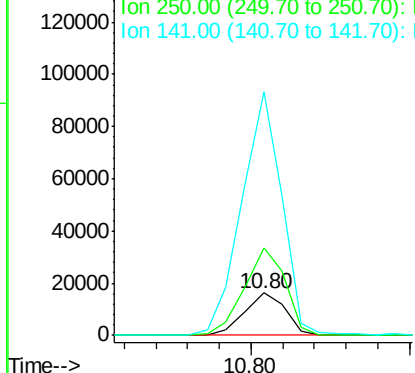
#66
 4-Bromophenyl-phenylether
 Concen: 3.294 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.24 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14368
 Ion Ratio Lower Upper
 248 100
 250 206.3 76.9 115.3#
 141 576.7 74.4 111.6#

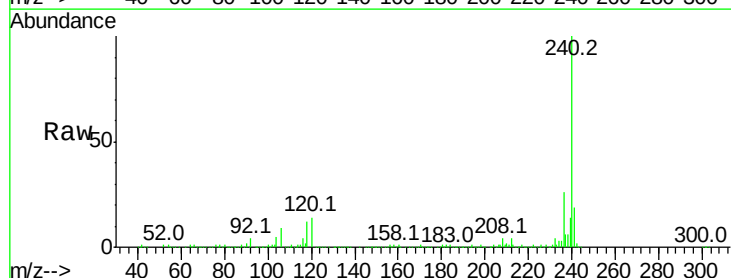


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

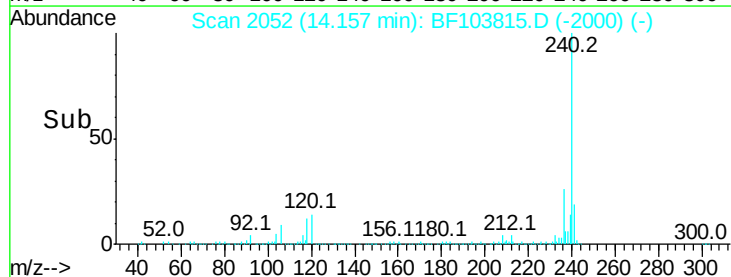
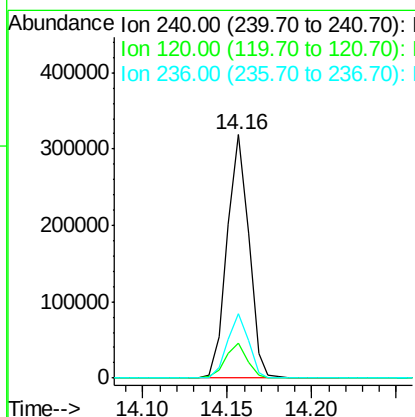


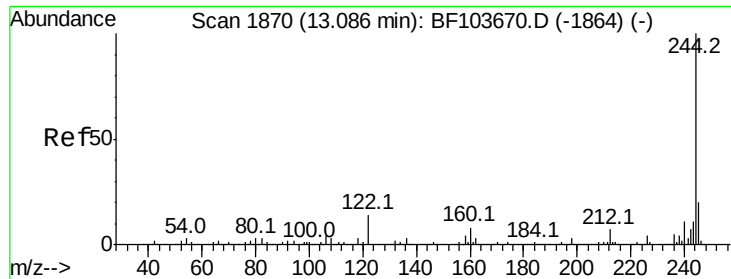
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.01 min
 Lab File: BF103815.D
 Acq: 20 Mar 2018 21:02

Tgt Ion:240 Resp: 286299
 Ion Ratio Lower Upper
 240 100
 120 14.3 9.5 14.3#
 236 26.2 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: 78.314 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

Instrument :

BNA_F

ClientSampled :

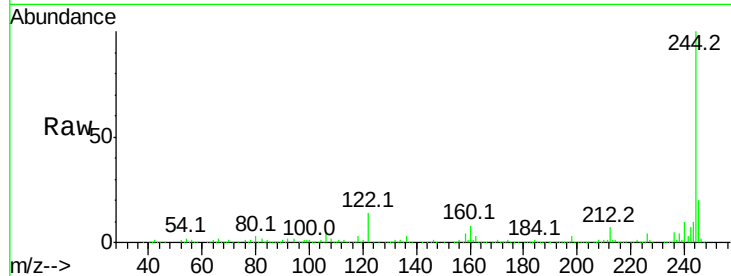
Tot Ion:244 Resp: 965950

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

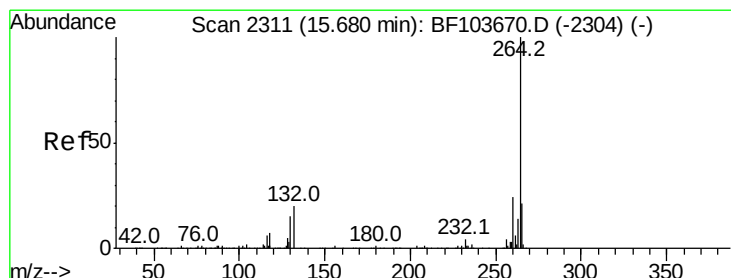
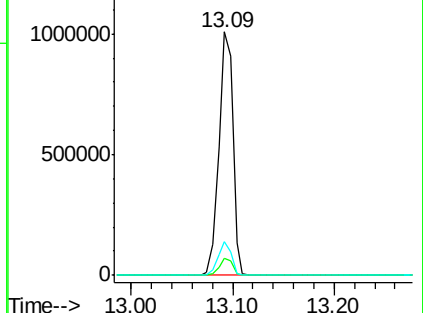
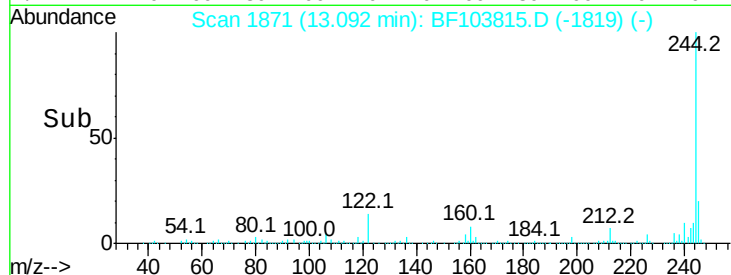
122 13.7 11.0 16.4



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: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

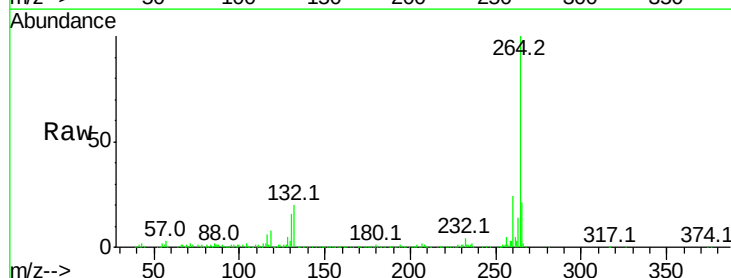
Tgt Ion:264 Resp: 264575

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

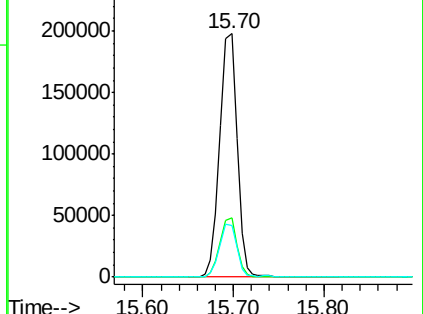
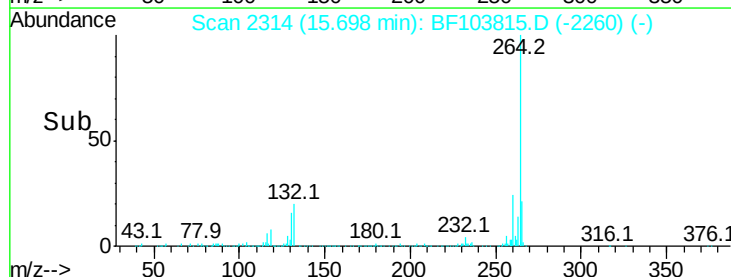
265 21.2 17.5 26.3

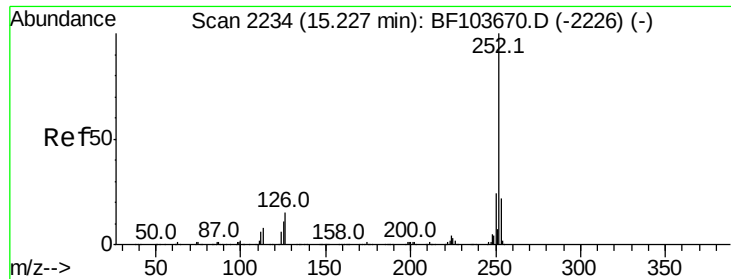


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.249 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

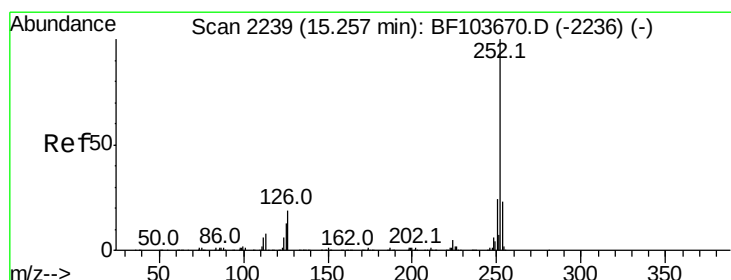
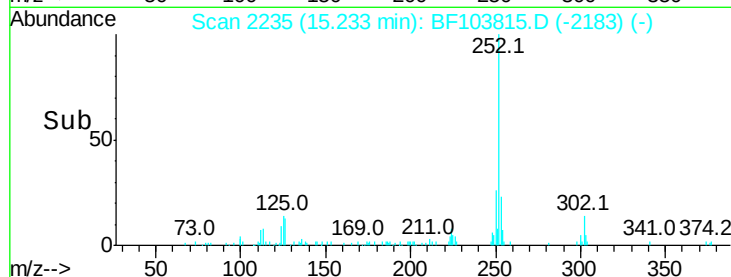
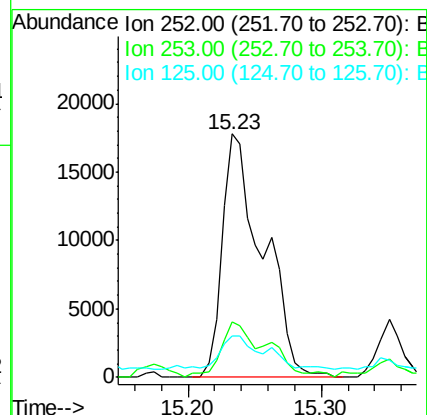
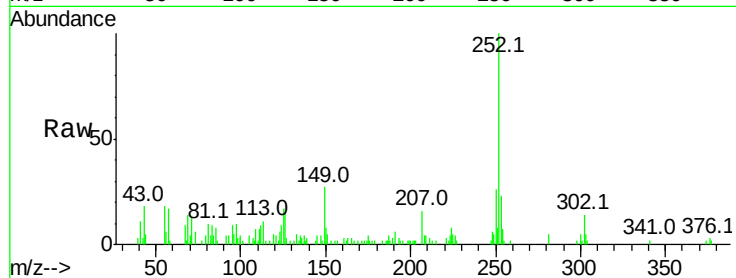
Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 37588

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	17.0	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 2.339 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF103815.D

Acq: 20 Mar 2018 21:02

Tgt Ion:252 Resp: 37588

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	17.0	10.2	15.2#

