

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103702.D
 Acq On : 16 Mar 2018 17:59
 Operator : JU/SJ
 Sample : J1752-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 22:59:09 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	6.96	152	180931	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	740057	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	337498	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	570316	20.00	ng	0.00
75) Chrysene-d12	14.14	240	374950	20.00	ng	0.00
86) Perylene-d12	15.68	264	354855	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1197305	100.65	ng	0.00
7) Phenol-d6	6.59	99	1468550	100.91	ng	0.00
23) Nitrobenzene-d5	7.53	82	891794	84.03	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	305795	105.38	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1362552	64.40	ng	0.00
78) Terphenyl-d14	13.09	244	1112730	68.88	ng	0.00

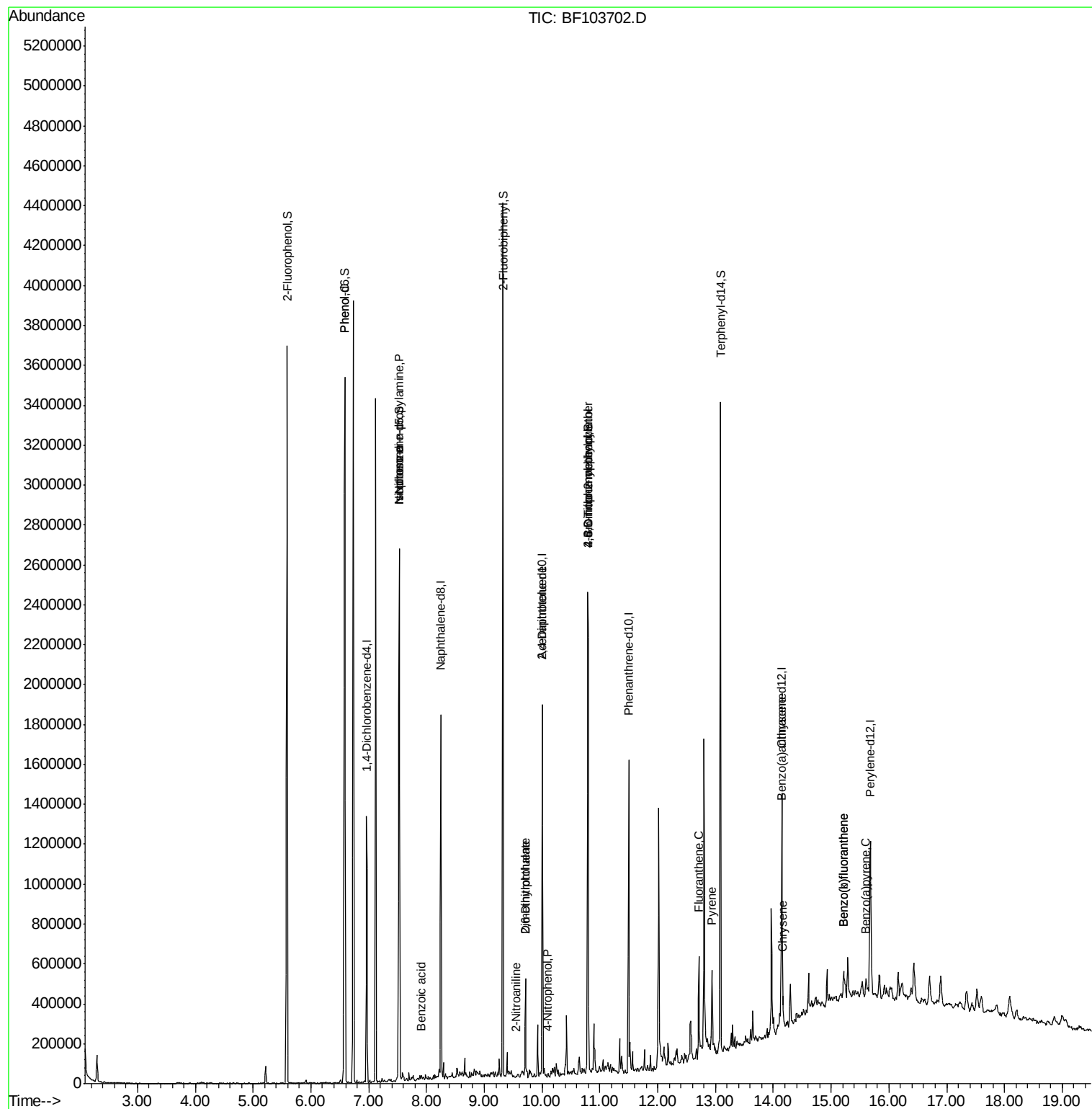
Target Compounds				Qvalue		
10) Phenol	6.59	94	43329	2.802	ng	# 54
19) n-Nitroso-di-n-propylamine	7.53	70	121790	13.058	ng	# 75
25) Isophorone	7.53	82	889769	36.218	ng	# 64
32) Benzoic acid	7.91	122	3411	10.270	ng	# 93
47) 2-Nitroaniline	9.55	65	117	6.831	ng	# 8
49) Dimethylphthalate	9.71	163	131427	5.104	ng	# 99
50) 2,6-Dinitrotoluene	9.71	165	1579	4.274	ng	# 3
55) 4-Nitrophenol	10.09	139	582	5.086	ng	# 1
56) 2,4-Dinitrotoluene	10.00	165	44533	12.357	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.79	198	698	8.483	ng	# 1
66) 4-Bromophenyl-phenylether	10.79	248	19287	3.294	ng	# 1
74) Fluoranthene	12.71	202	146954	4.572	ng	# 97
77) Pyrene	12.94	202	124146	4.508	ng	# 98
80) Benzo(a)anthracene	14.13	228	52445	2.210	ng	# 95
82) Chrysene	14.17	228	52568	2.323	ng	# 96
87) Benzo(b)fluoranthene	15.22	252	68410	3.051	ng	# 85
88) Benzo(k)fluoranthene	15.22	252	68410	3.174	ng	# 88
89) Benzo(a)pyrene	15.61	252	45695	2.247	ng	# 89

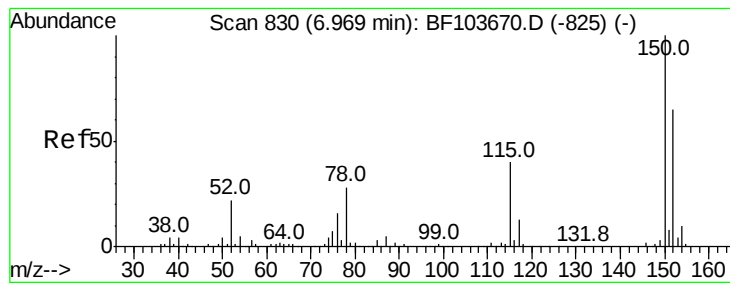
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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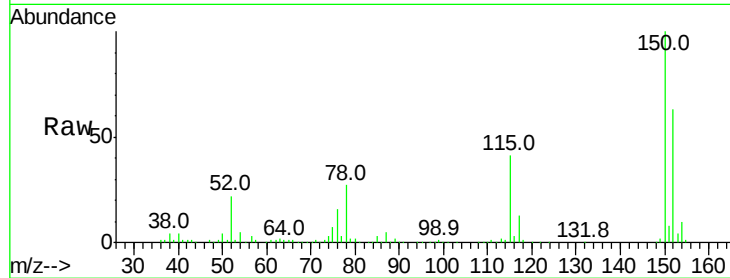


#1

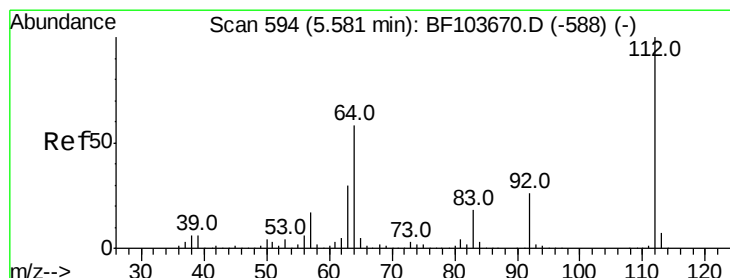
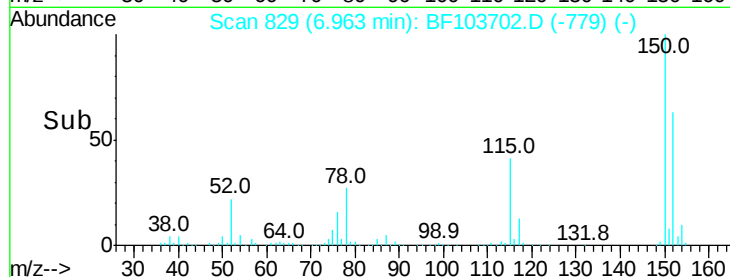
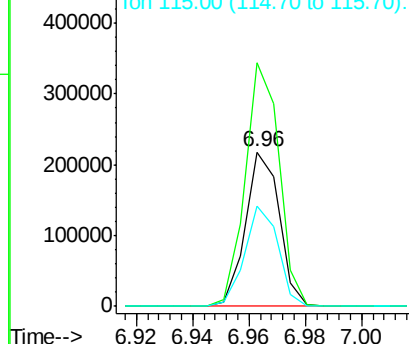
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 180931
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 65.2 50.1 75.1



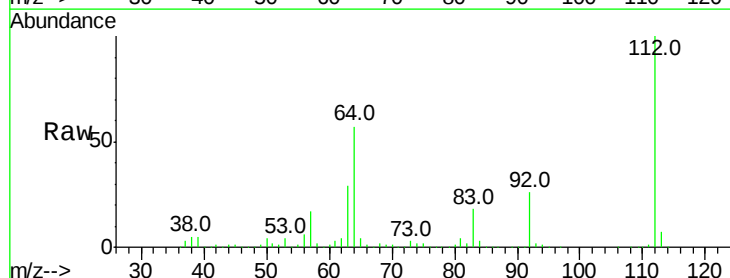
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



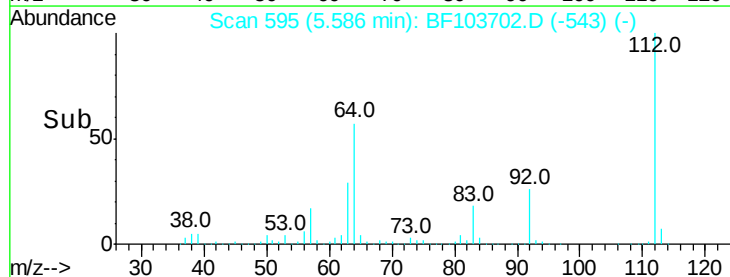
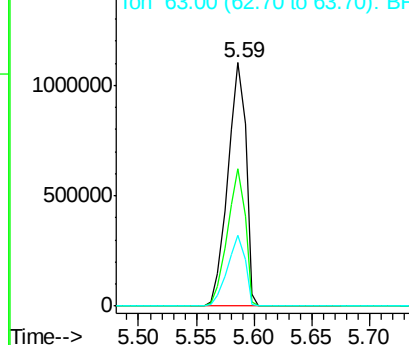
#5

2-Fluorophenol
Concen: 100.651 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

Tgt Ion:112 Resp: 1197305
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 28.9 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: 100.908 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

Instrument :

BNA_F

ClientSampleId :

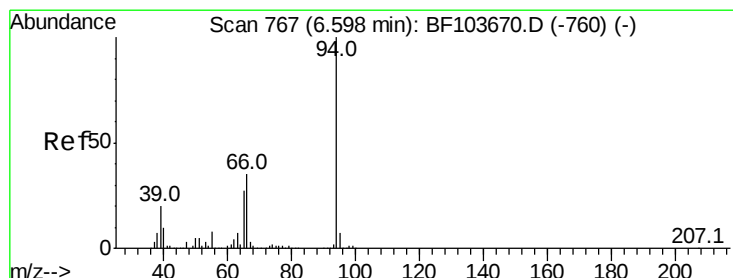
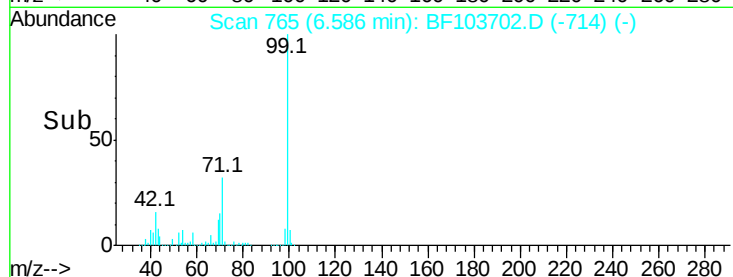
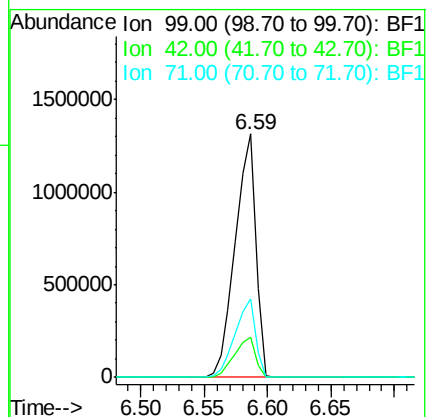
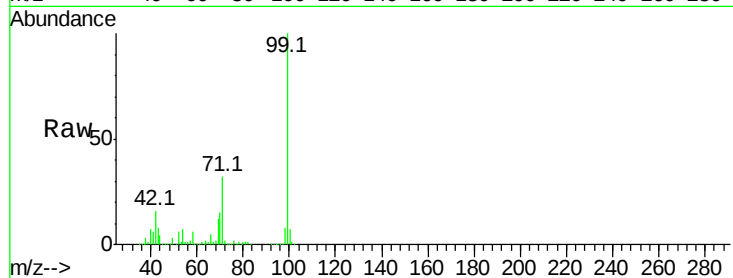
Tot Ion: 99 Resp: 1468550

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 32.1 25.4 38.0



#10

Phenol

Concen: 2.802 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

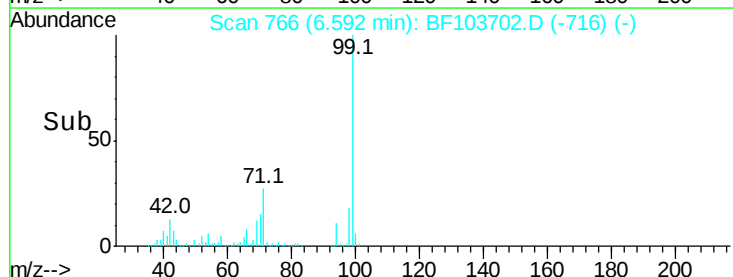
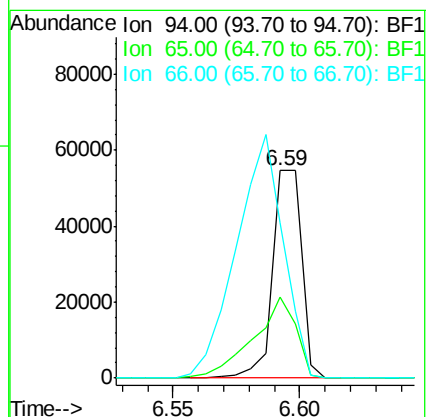
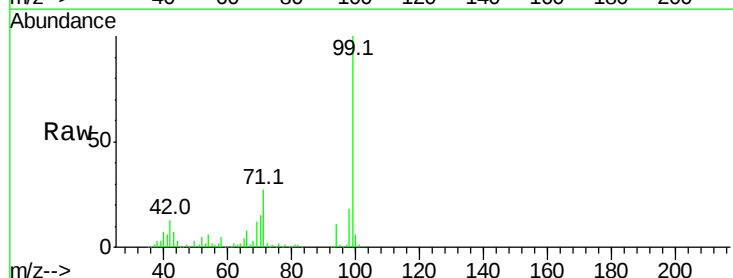
Tgt Ion: 94 Resp: 43329

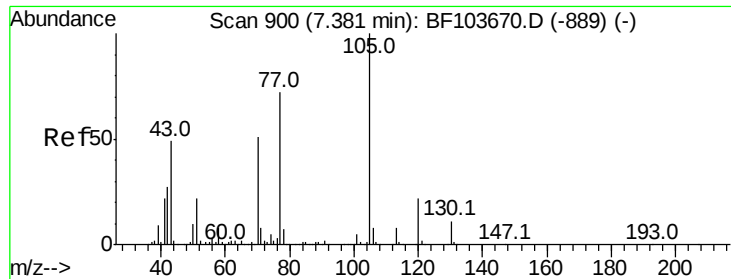
Ion Ratio Lower Upper

94 100

65 38.8 7.9 47.9

66 74.7 16.2 56.2#





#19

n-Nitroso-di-n-propylamine

Concen: 13.058 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 121790

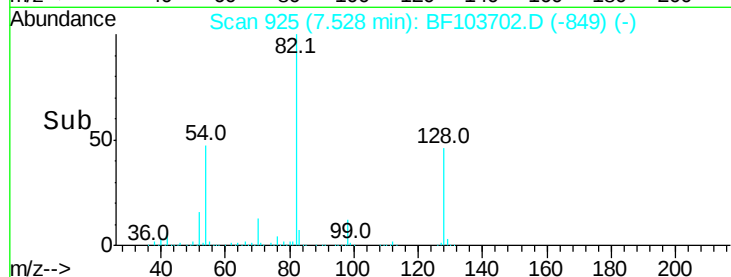
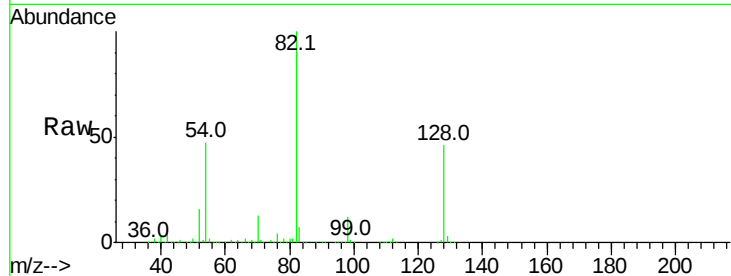
Ion Ratio Lower Upper

70 100

42 45.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

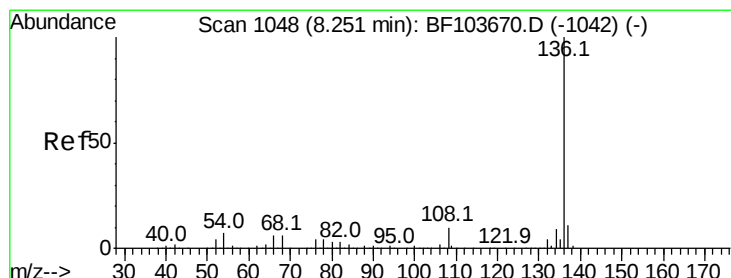
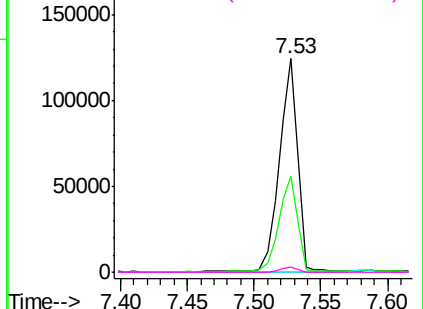


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1047

Delta R.T. -0.01 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

Tgt Ion:136 Resp: 740057

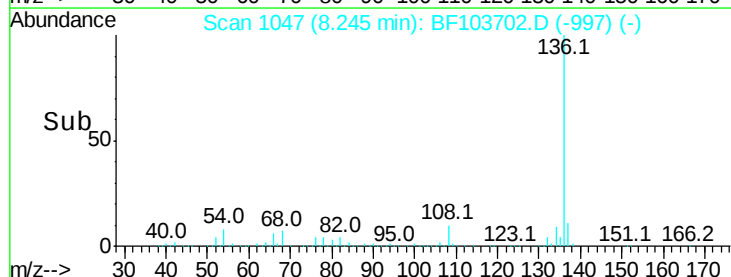
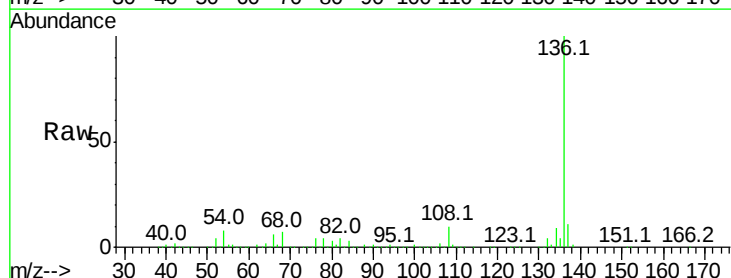
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.6 6.6 9.8

68 6.7 5.0 7.4

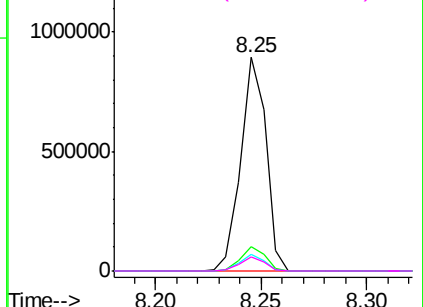


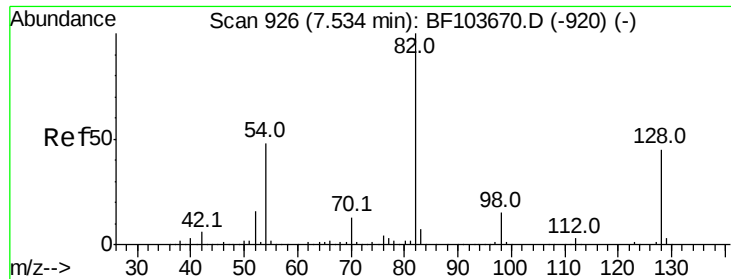
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

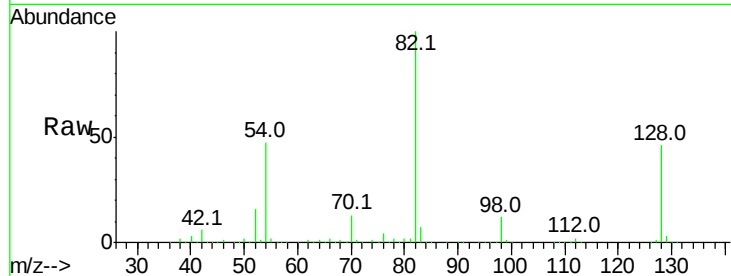




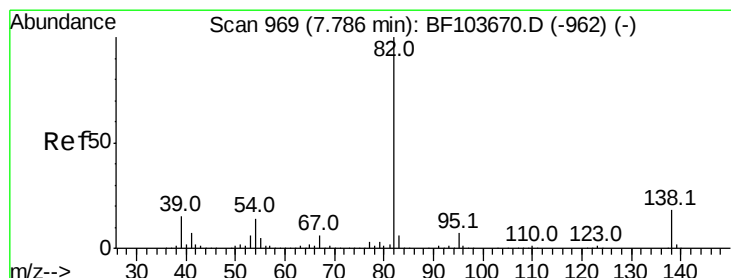
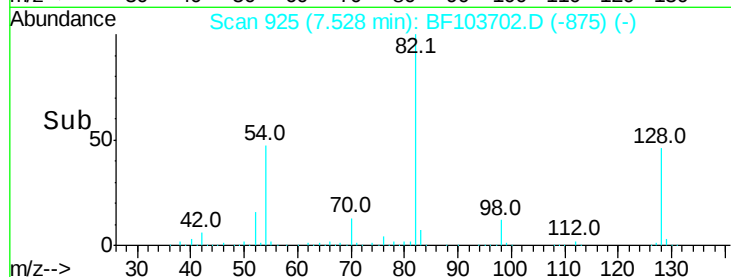
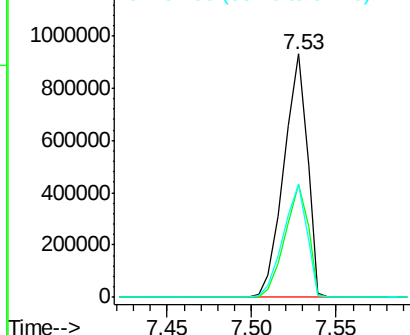
#23
 Nitrobenzene-d5
 Concen: 84.034 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103702.D
 Acq: 16 Mar 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	891794
Ion Ratio	100	Lower	Upper
128	46.5	36.1	54.1
54	46.6	41.4	62.2

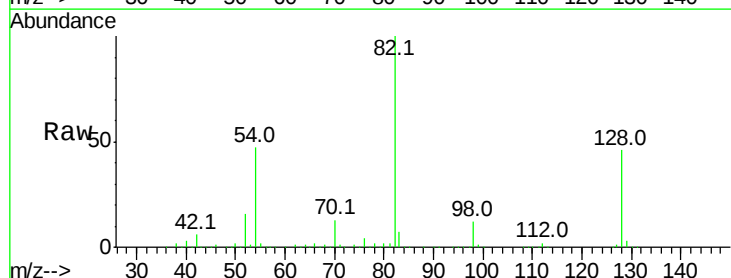


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

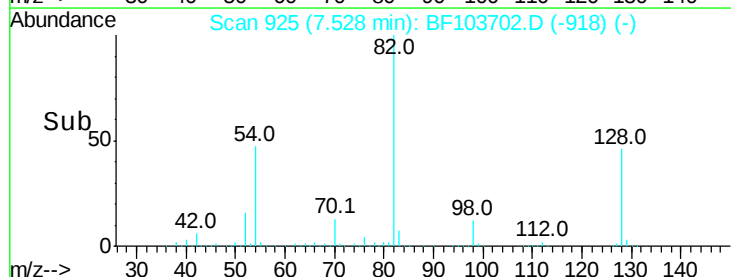
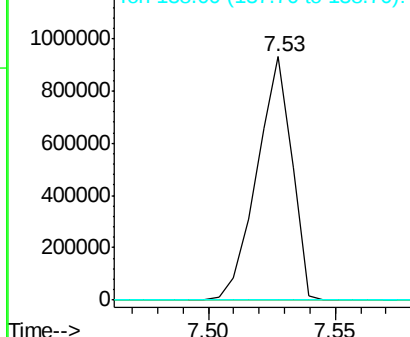


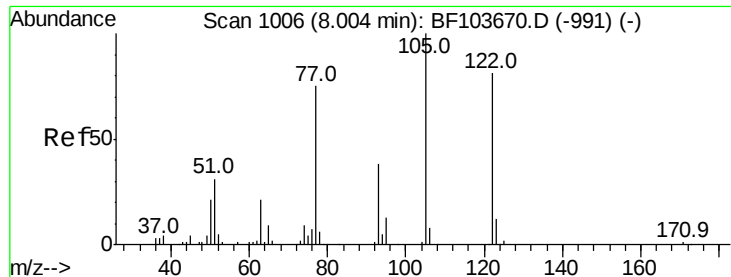
#25
 Isophorone
 Concen: 36.218 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.26 min
 Lab File: BF103702.D
 Acq: 16 Mar 2018 17:59

Tgt Ion	82	Resp	889769
Ion Ratio	100	Lower	Upper
95	0.1	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

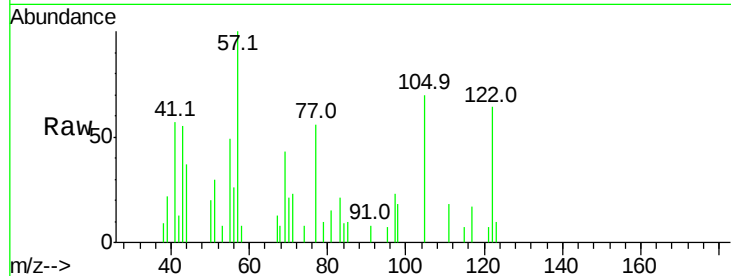




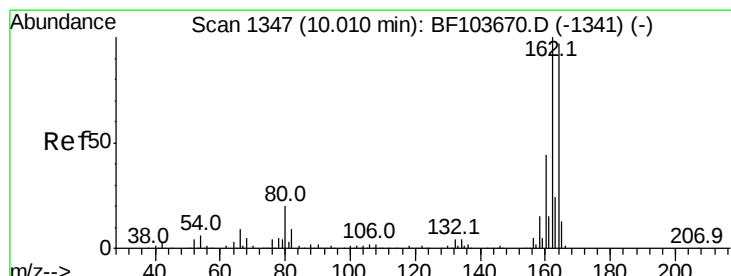
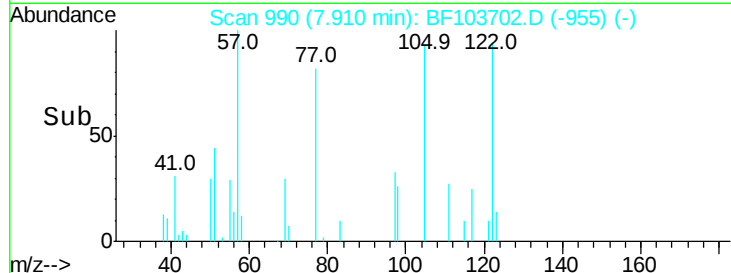
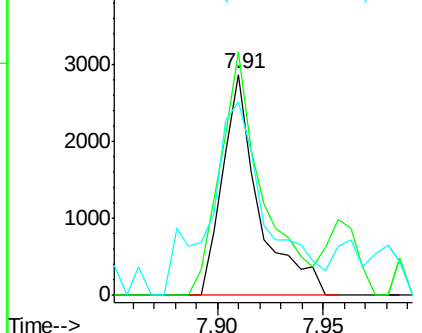
#32
Benzoic acid
Concen: 10.270 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.09 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 3411
Ion Ratio Lower Upper
122 100
105 110.3 101.1 141.1
77 87.6 70.7 110.7

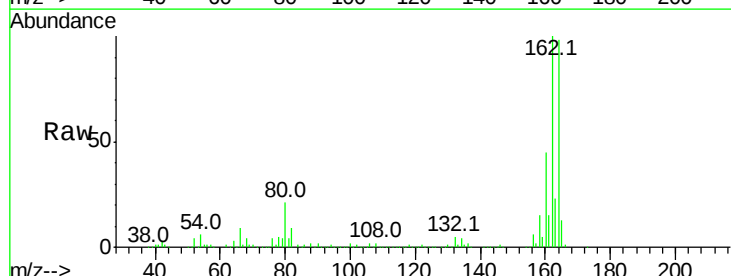


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

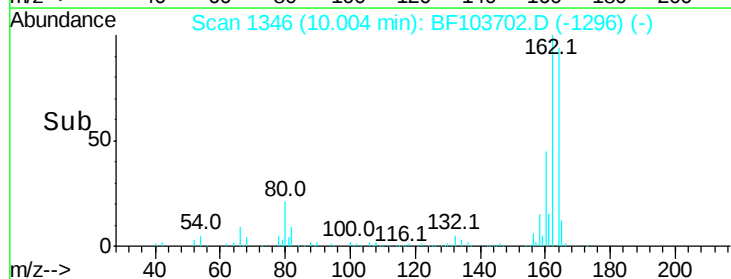
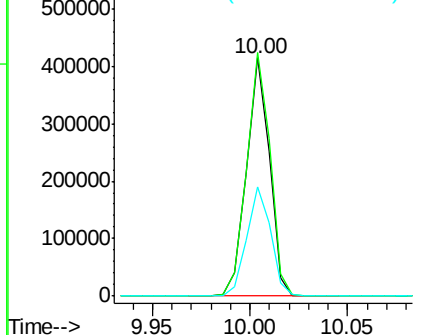


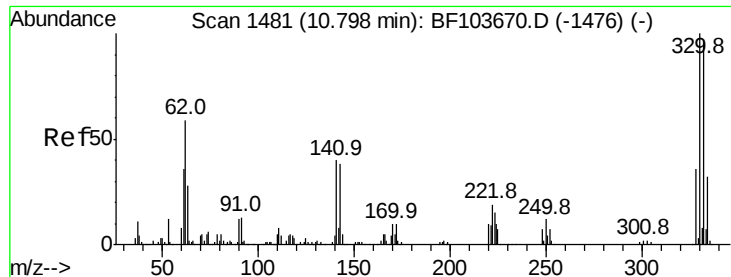
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

Tgt Ion:164 Resp: 337498
Ion Ratio Lower Upper
164 100
162 102.3 86.1 129.1
160 46.0 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

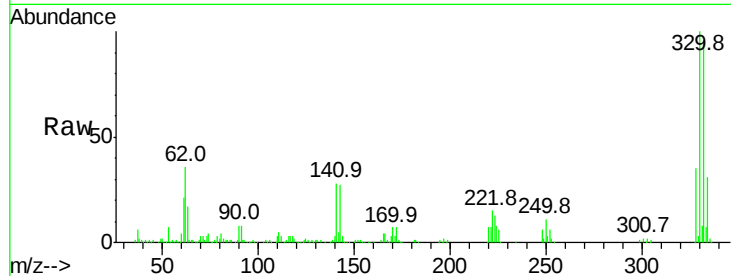




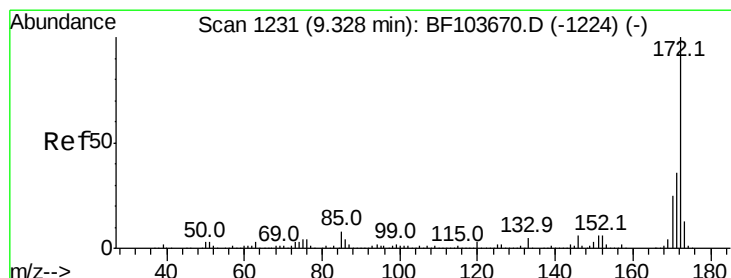
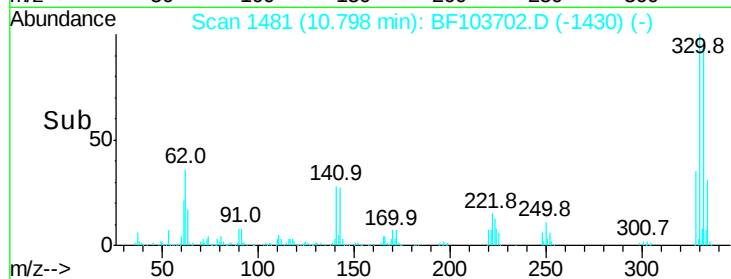
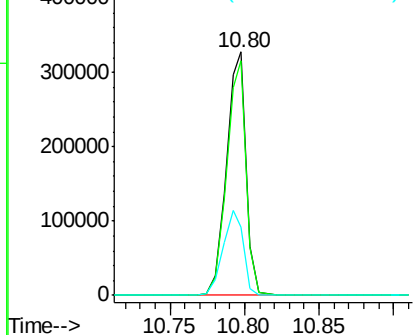
#41
 2,4,6-Tribromophenol
 Concen: 105.380 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103702.D
 Acq: 16 Mar 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	36.7	29.9	44.9

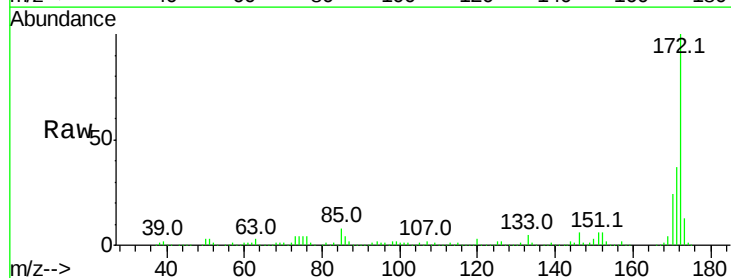


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

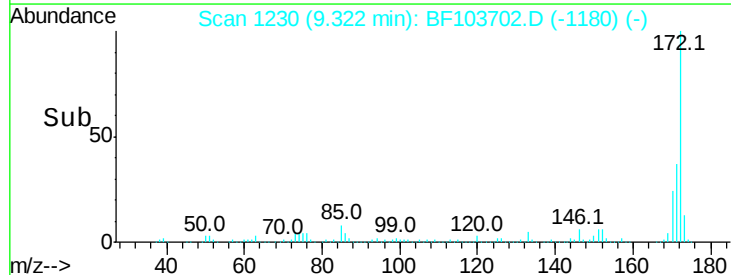
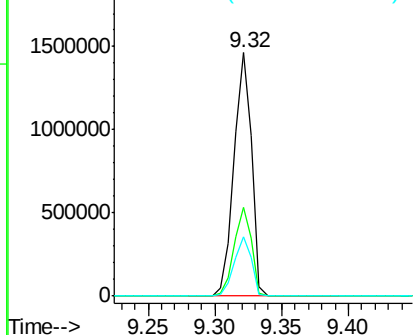


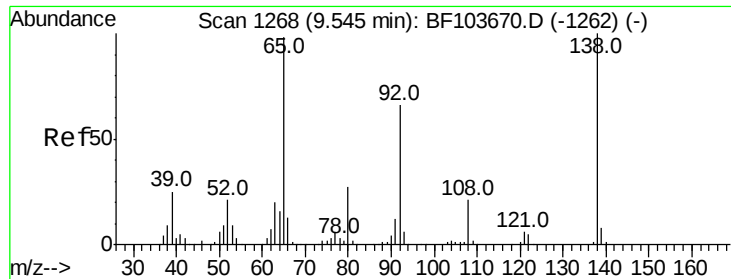
#44
 2-Fluorobiphenyl
 Concen: 64.400 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103702.D
 Acq: 16 Mar 2018 17:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.2	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: 6.831 ng

RT: 9.55 min Scan# 1269

Delta R.T. 0.01 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

Instrument :

BNA_F

ClientSampleId :

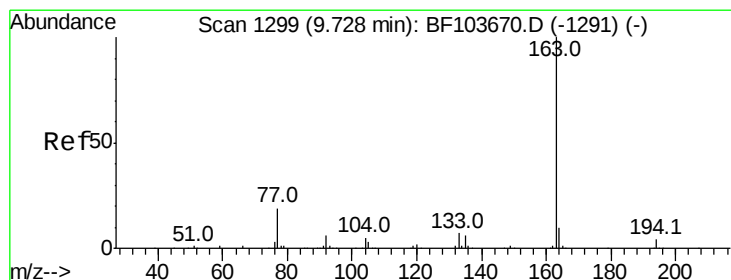
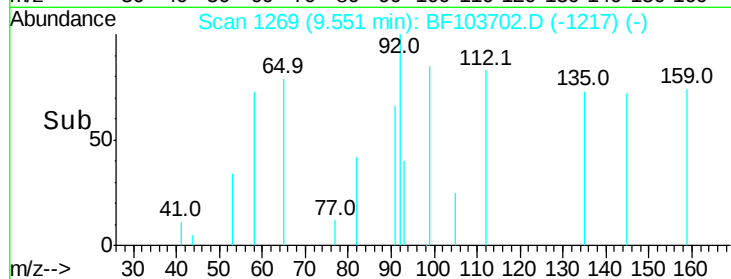
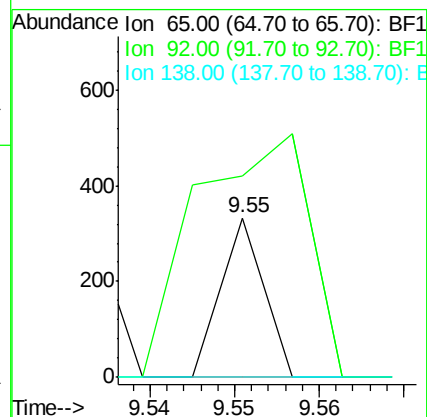
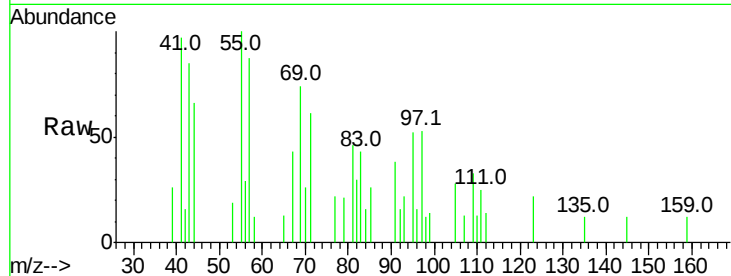
Tot Ion: 65 Resp: 117

Ion Ratio Lower Upper

65 100

92 126.1 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 5.104 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

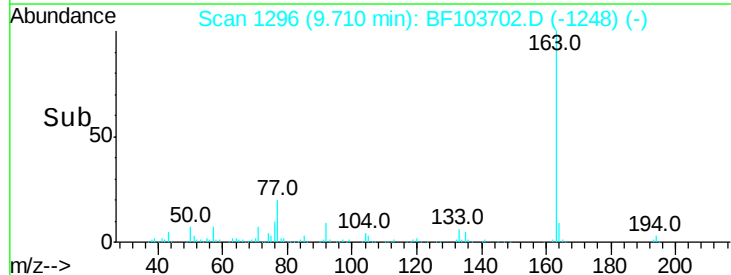
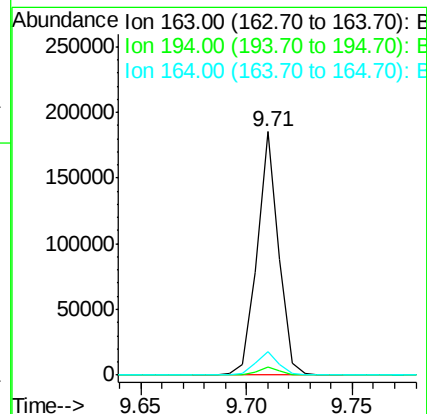
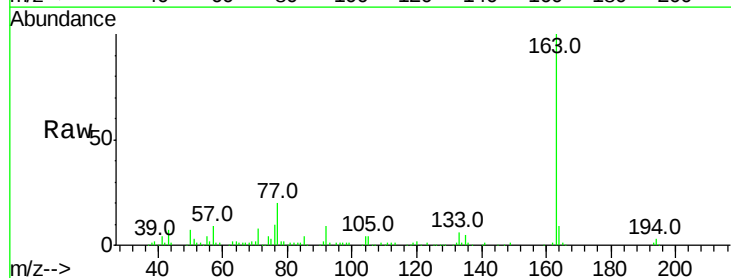
Tgt Ion:163 Resp: 131427

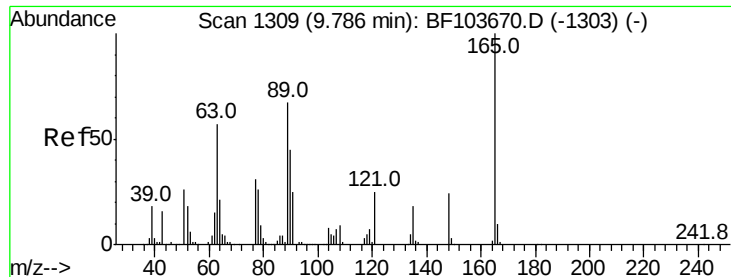
Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

164 9.5 8.2 12.2

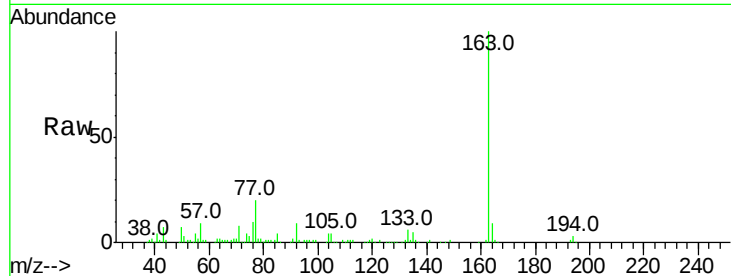




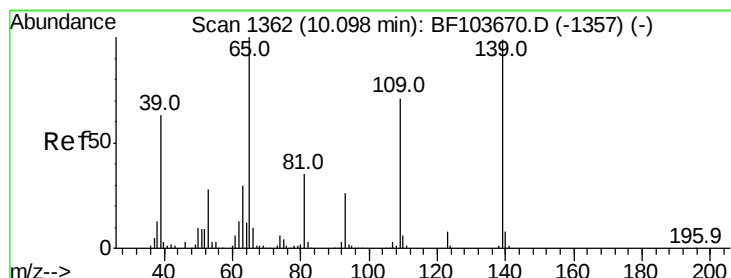
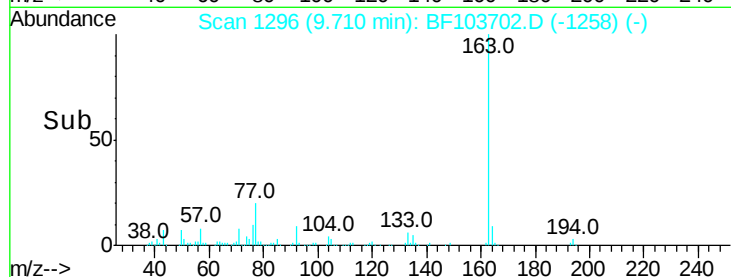
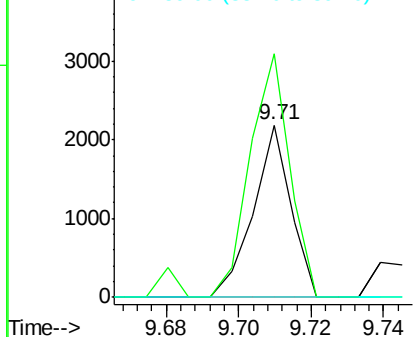
#50
 2,6-Dinitrotoluene
 Concen: 4.274 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.08 min
 Lab File: BF103702.D
 Acq: 16 Mar 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 1579
 Ion Ratio Lower Upper
 165 100
 63 141.6 44.7 67.1#
 89 0.0 44.0 66.0#

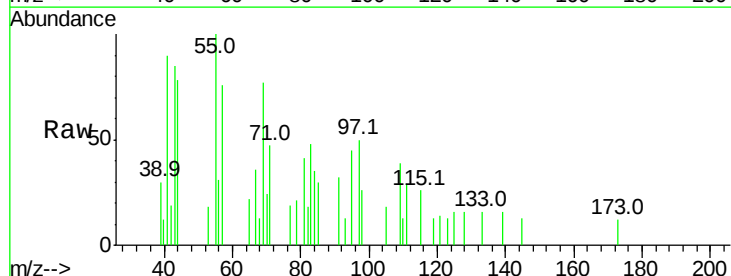


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

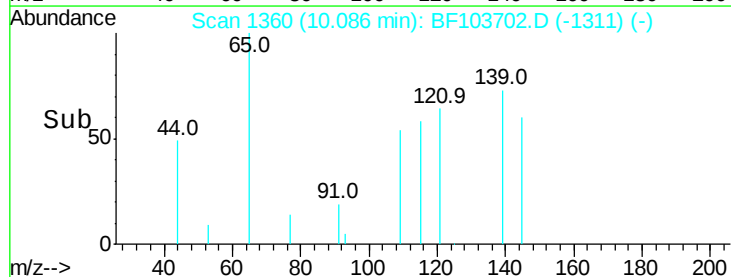
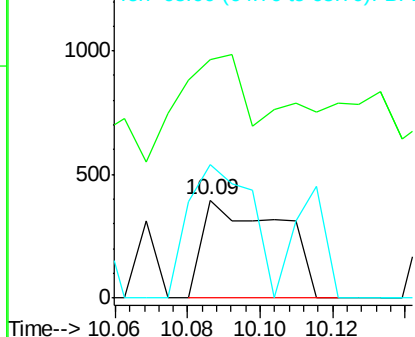


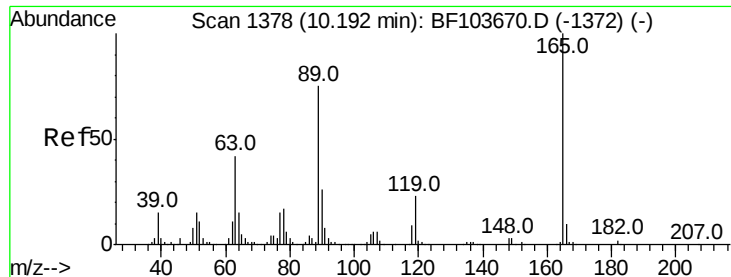
#55
 4-Nitrophenol
 Concen: 5.086 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BF103702.D
 Acq: 16 Mar 2018 17:59

Tgt Ion:139 Resp: 582
 Ion Ratio Lower Upper
 139 100
 109 244.2 48.4 88.4#
 65 136.6 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

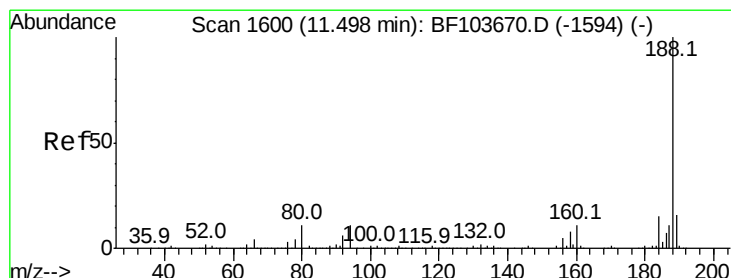
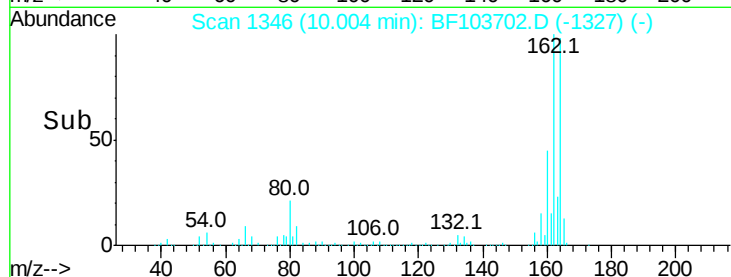
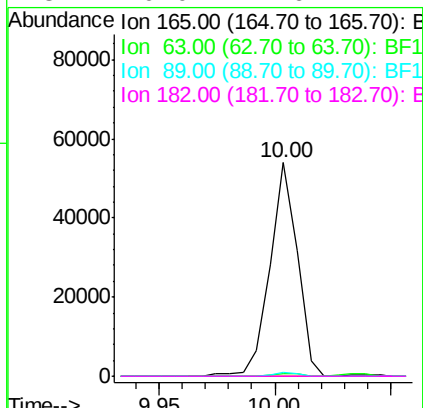
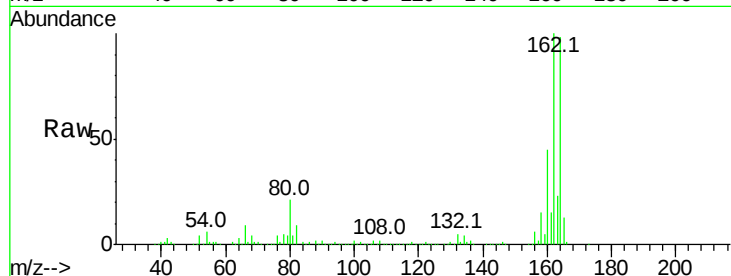




#56
2,4-Dinitrotoluene
Concen: 12.357 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

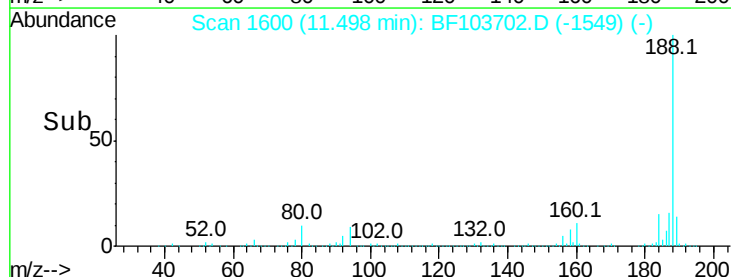
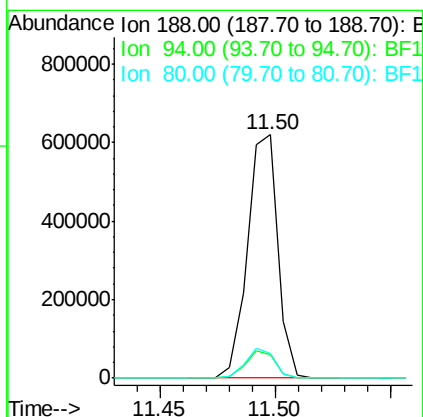
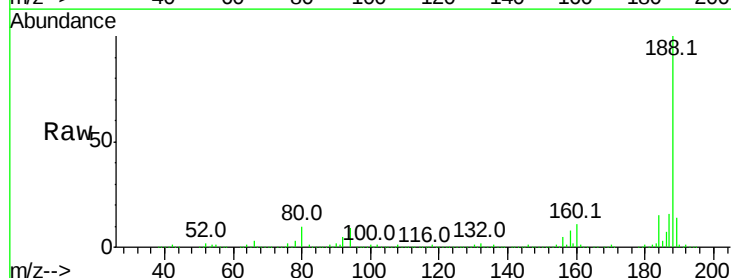
Instrument :
BNA_F
ClientSampleId :

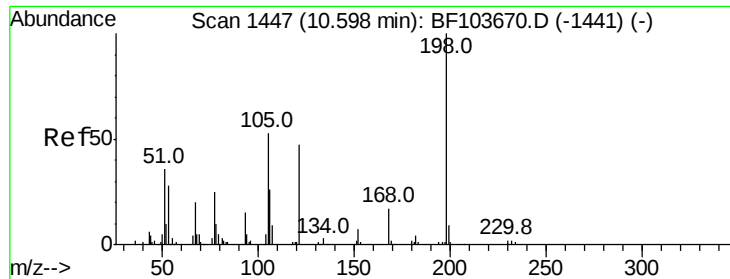
Tot Ion:165 Resp: 44533
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

Tgt Ion:188 Resp: 570316
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 10.4 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.483 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.19 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

Instrument :

BNA_F

ClientSampleId :

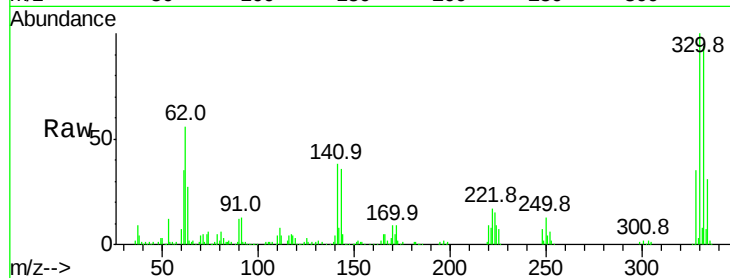
Tot Ion:198 Resp: 698

Ion Ratio Lower Upper

198 100

51 156.9 37.7 77.7#

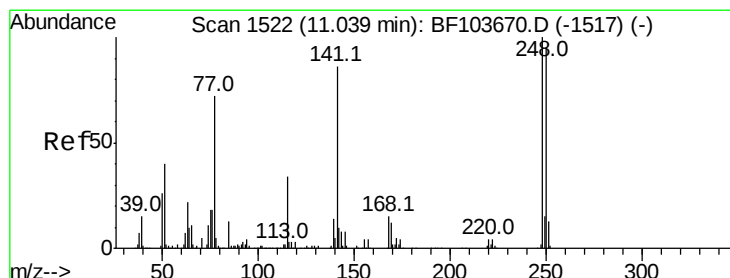
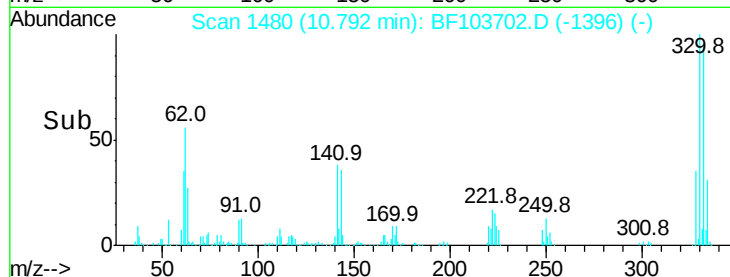
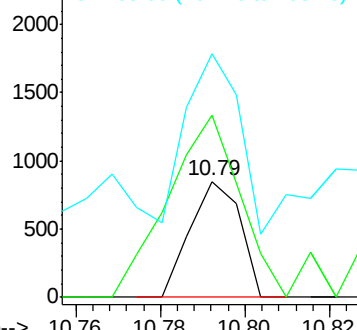
105 210.2 36.3 76.3#



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: 3.294 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.25 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

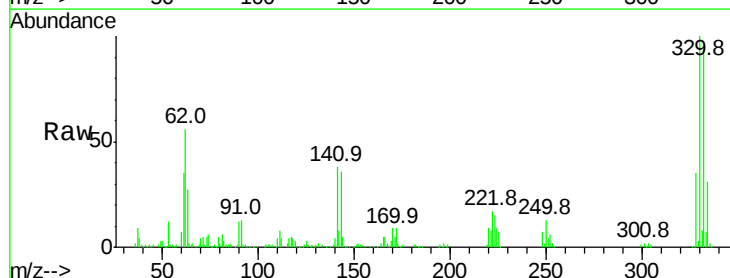
Tgt Ion:248 Resp: 19287

Ion Ratio Lower Upper

248 100

250 191.1 76.9 115.3#

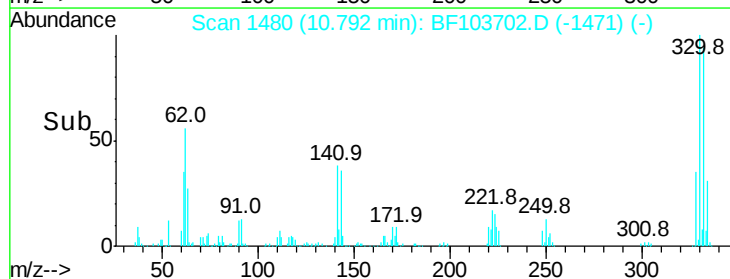
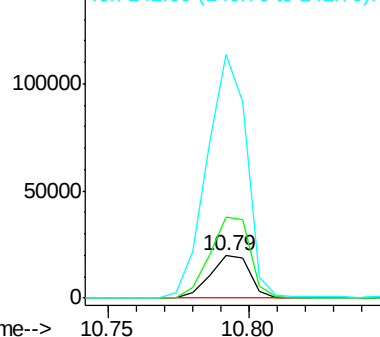
141 577.8 74.4 111.6#

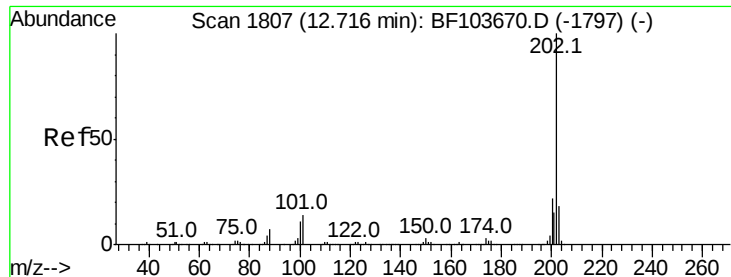


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 4.572 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

Instrument :

BNA_F

ClientSampleId :

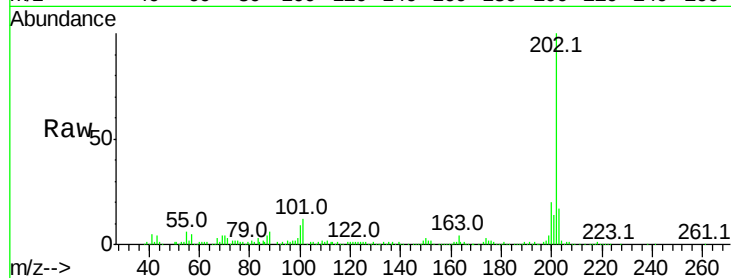
Tot Ion:202 Resp: 146954

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

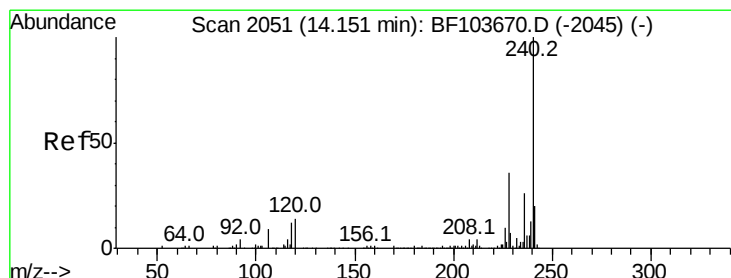
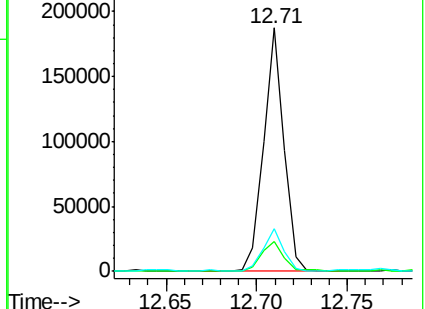
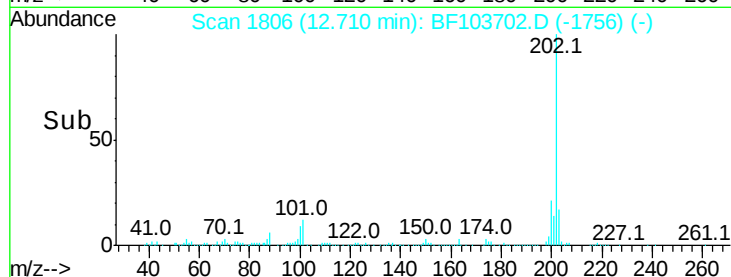
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

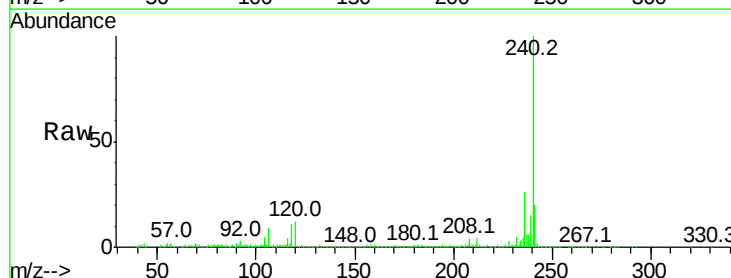
Tgt Ion:240 Resp: 374950

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

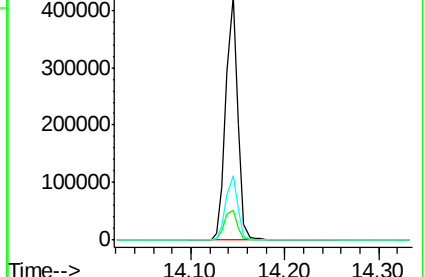
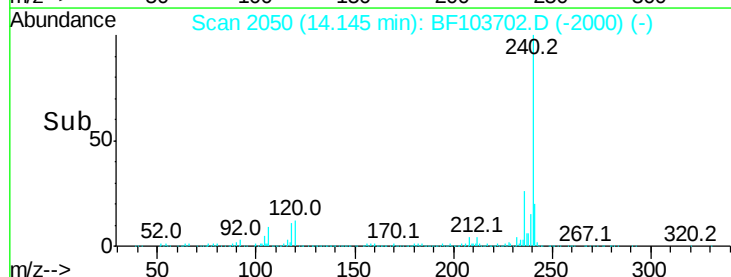
236 26.4 20.7 31.1

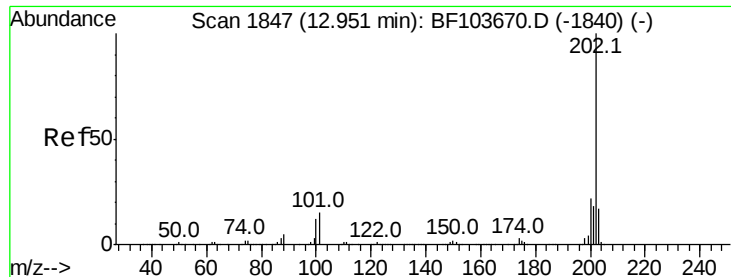


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.508 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

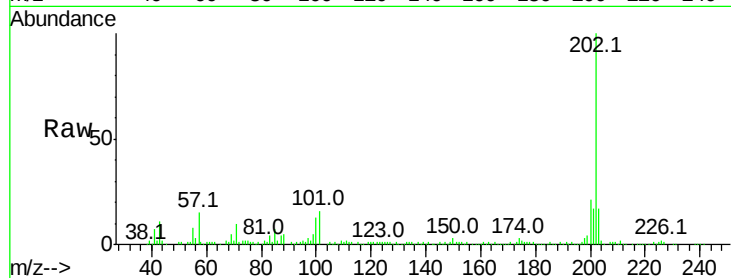
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 124146

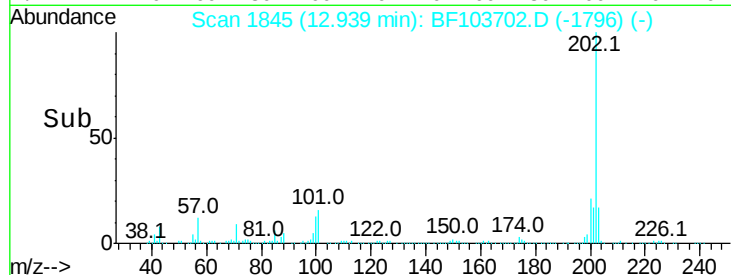
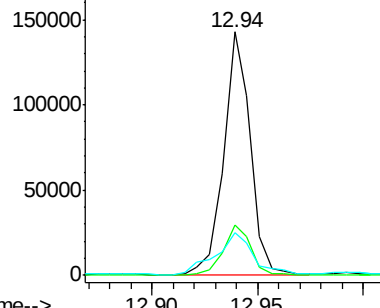
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.3	14.3	21.5



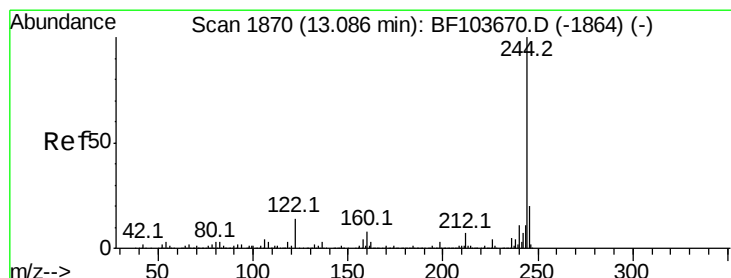
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 68.884 ng

RT: 13.09 min Scan# 1870

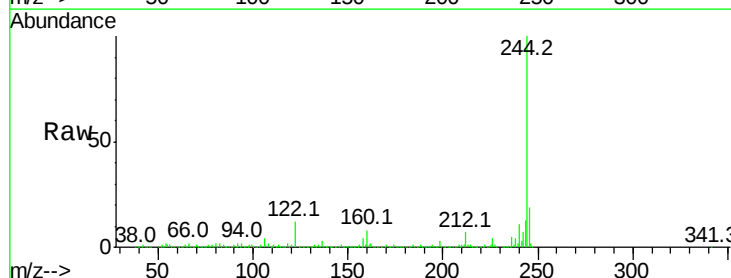
Delta R.T. -0.00 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

Tgt Ion:244 Resp: 1112730

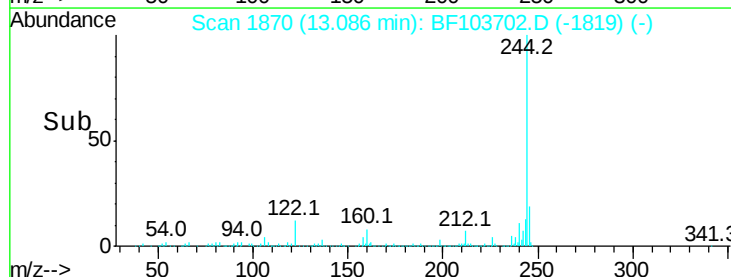
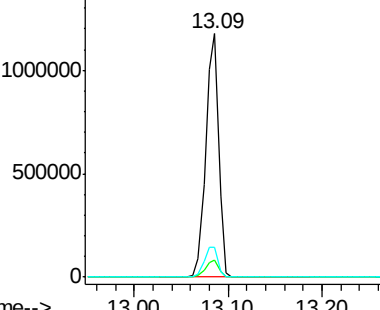
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.5	11.0	16.4



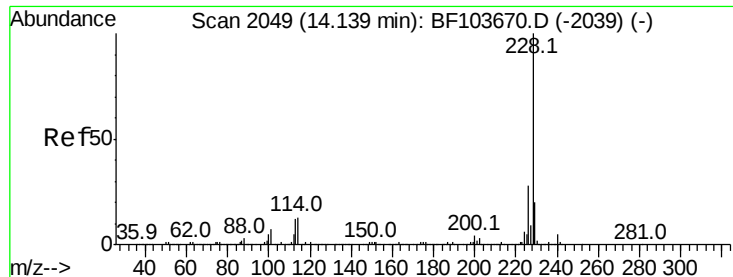
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



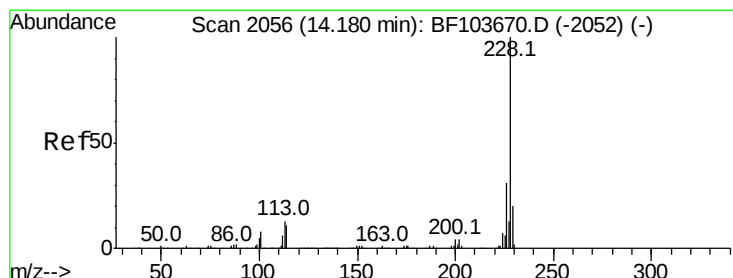
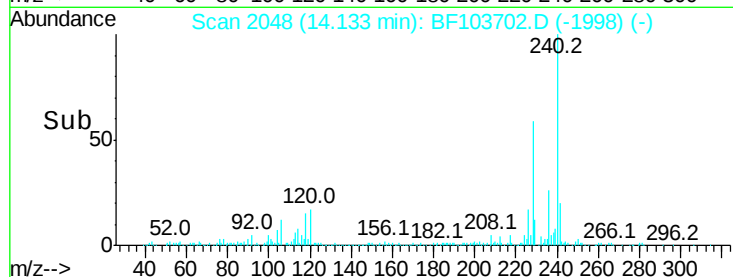
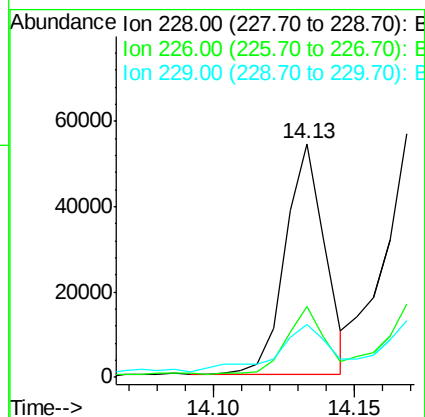
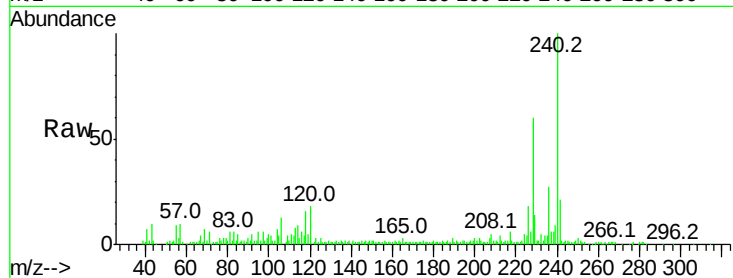
Time-->



#80
Benzo(a)anthracene
Concen: 2.210 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

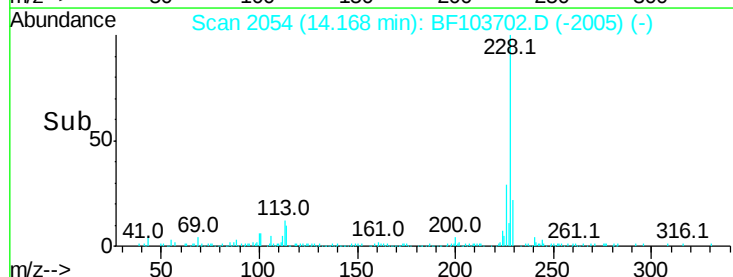
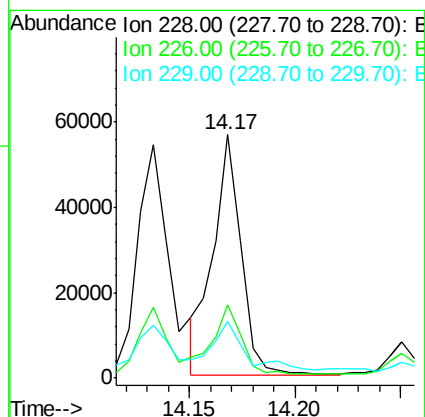
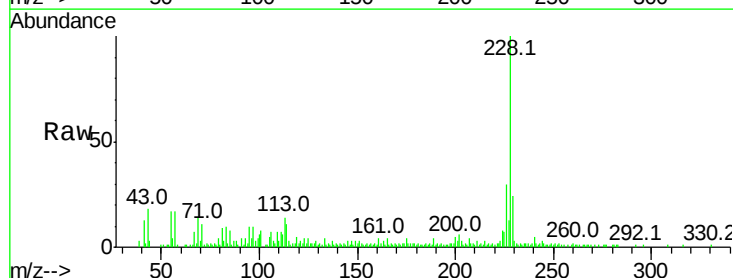
Instrument :
BNA_F
ClientSampleId :

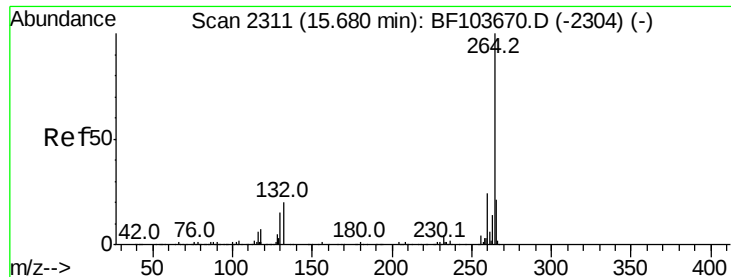
Tot Ion:228 Resp: 52445
Ion Ratio Lower Upper
228 100
226 30.4 22.6 33.8
229 22.8 15.8 23.6



#82
Chrysene
Concen: 2.323 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

Tgt Ion:228 Resp: 52568
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 23.5 16.2 24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.00 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

Instrument :

BNA_F

ClientSampleId :

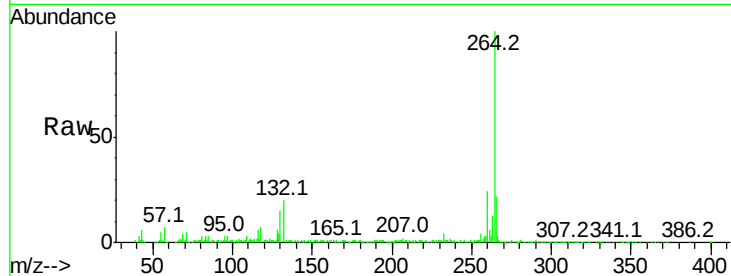
Tot Ion:264 Resp: 354855

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

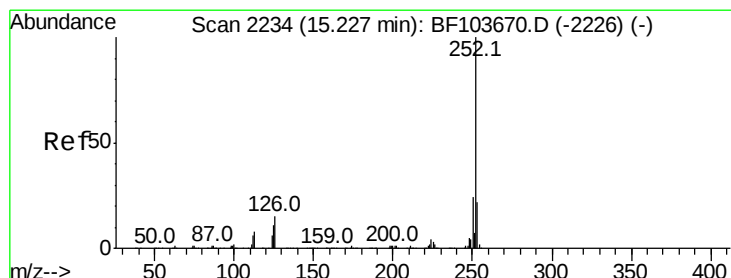
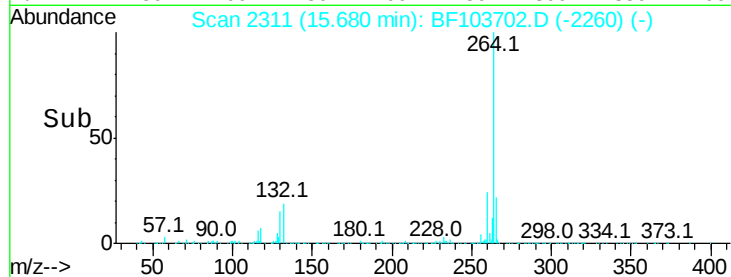
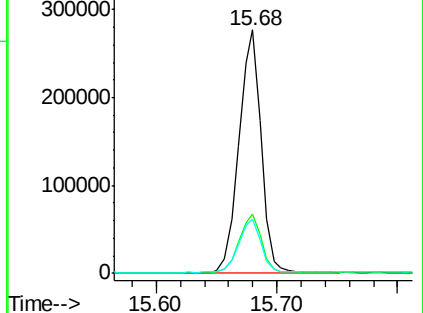
265 22.0 17.5 26.3



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: 3.051 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF103702.D

Acq: 16 Mar 2018 17:59

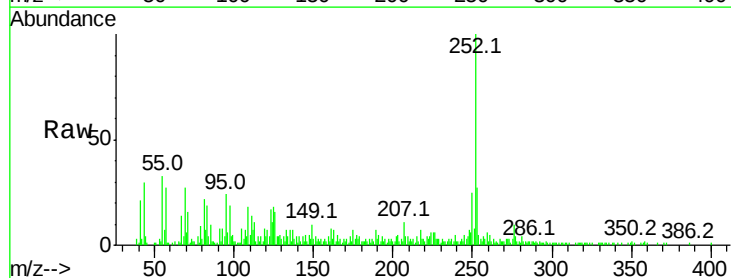
Tgt Ion:252 Resp: 68410

Ion Ratio Lower Upper

252 100

253 27.4 17.0 25.6#

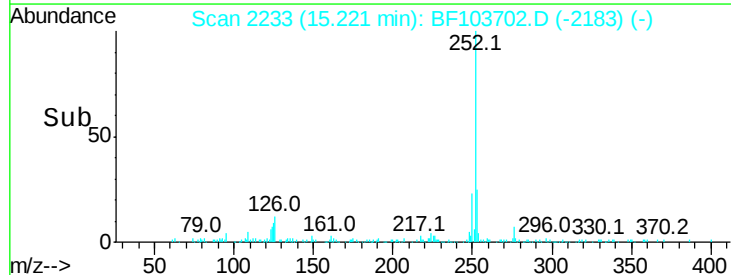
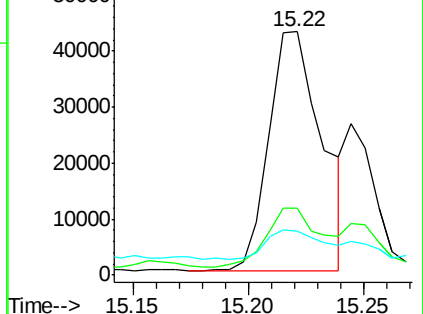
125 18.1 9.0 13.6#

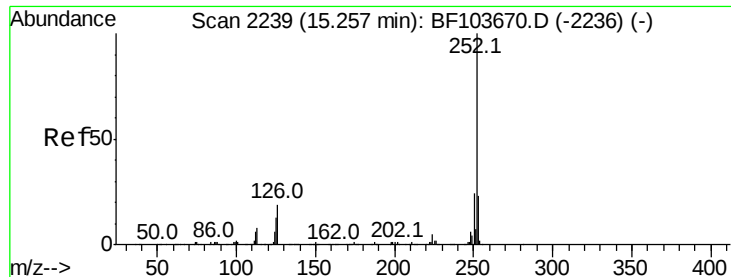


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

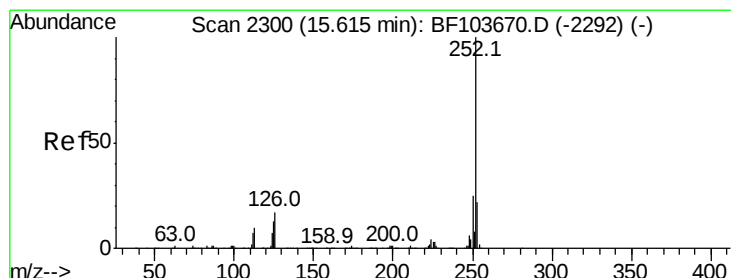
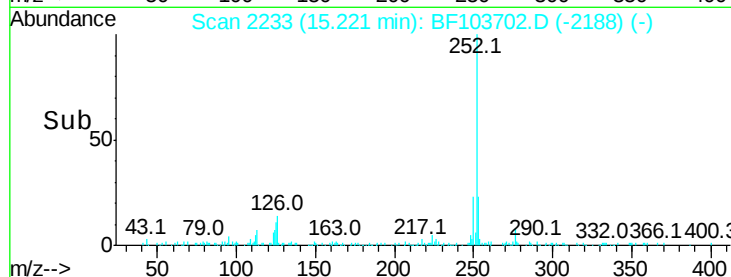
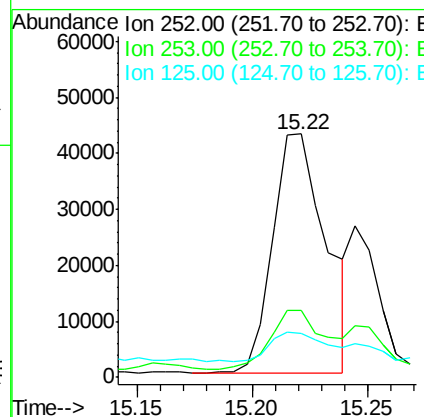
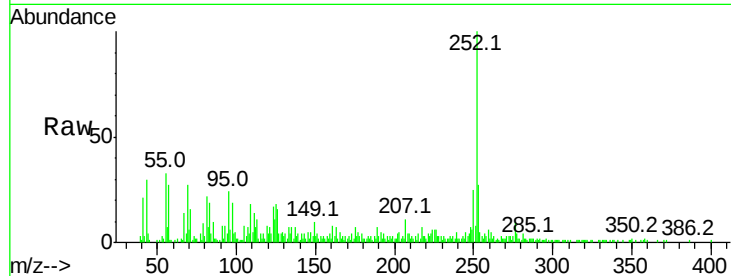




#88
Benzo(k)fluoranthene
Concen: 3.174 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 68410
Ion Ratio Lower Upper
252 100
253 27.4 17.9 26.9#
125 18.1 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.247 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF103702.D
Acq: 16 Mar 2018 17:59

Tgt Ion:252 Resp: 45695
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 19.2 9.8 14.6#

