

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103081.D
 Acq On : 19 Feb 2018 14:45
 Operator : SJ/JU
 Sample : J1604-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 17:02:45 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	158724	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	640688	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	257188	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	369413	20.00	ng	0.00
75) Chrysene-d12	14.04	240	283475	20.00	ng	-0.01
86) Perylene-d12	15.54	264	332836	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1213021	116.06	ng	0.01
7) Phenol-d6	6.52	99	1409558	112.01	ng	0.00
23) Nitrobenzene-d5	7.45	82	902852	97.76	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	233654	112.87	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1276945	82.39	ng	0.00
78) Terphenyl-d14	12.99	244	832275	69.52	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.65	77	23880	2.555	ng	89
10) Phenol	6.52	94	29125	2.160	ng	# 74
19) n-Nitroso-di-n-propylamine	7.45	70	120191	14.486	ng	# 79
25) Isophorone	7.45	82	902845	42.453	ng	# 64
47) 2-Nitroaniline	9.62	65	426	3.547	ng	# 1
49) Dimethylphthalate	9.62	163	69844	3.483	ng	# 98
50) 2,6-Dinitrotoluene	9.92	165	32017	8.392	ng	# 25
55) 4-Nitrophenol	10.13	139	950	4.258	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	32017	8.932	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	251	8.943	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	15741	4.028	ng	# 1
70) Phenanthrene	11.43	178	102174	4.966	ng	97
74) Fluoranthene	12.62	202	112141	5.418	ng	97
77) Pyrene	12.85	202	87951	3.957	ng	98
80) Benzo(a)anthracene	14.04	228	43732	2.453	ng	99
82) Chrysene	14.07	228	51417	2.861	ng	97
87) Benzo(b)fluoranthene	15.10	252	80264	3.720	ng	# 94
88) Benzo(k)fluoranthene	15.10	252	80264	3.893	ng	# 97

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

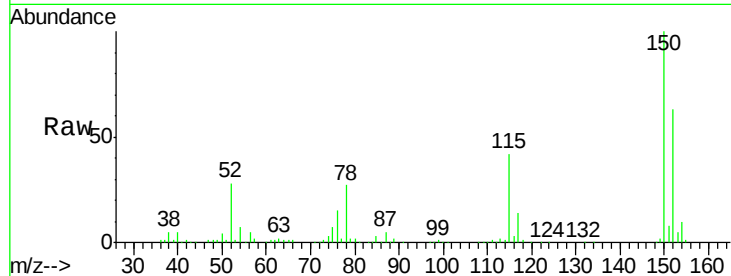


#1

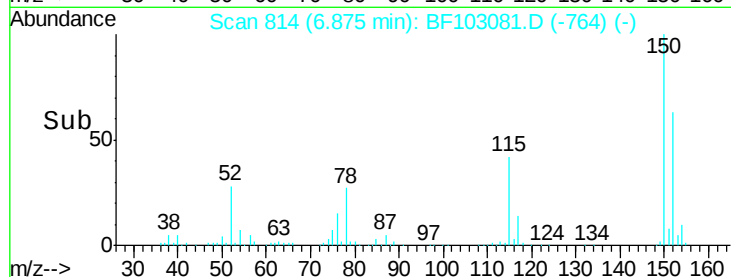
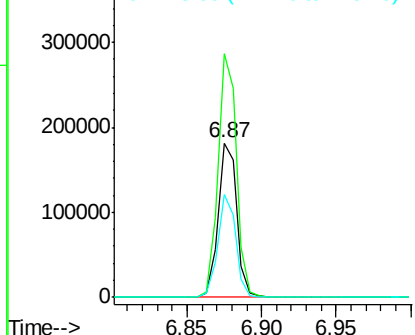
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103081.D
Acq: 19 Feb 2018 14:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158724
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 66.2 50.1 75.1



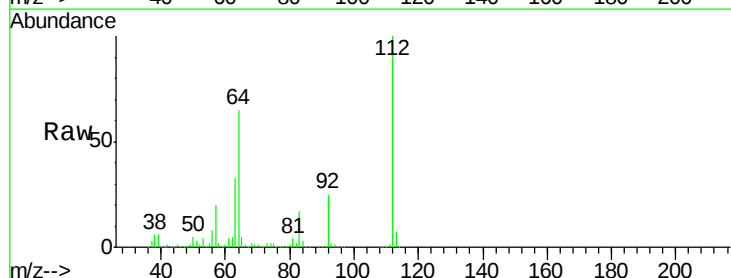
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



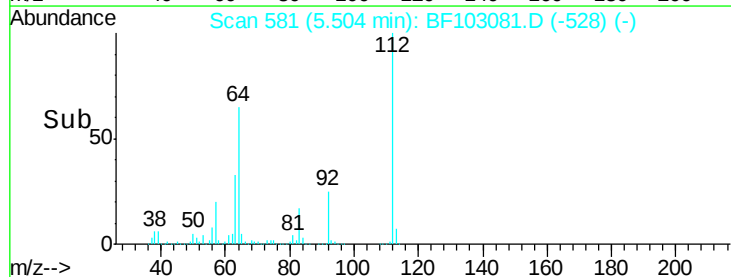
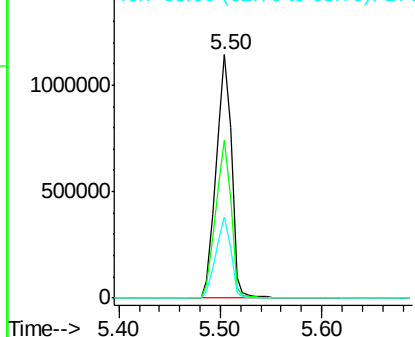
#5

2-Fluorophenol
Concen: 116.062 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103081.D
Acq: 19 Feb 2018 14:45

Tgt Ion:112 Resp: 1213021
Ion Ratio Lower Upper
112 100
64 65.0 47.9 71.9
63 33.3 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: 112.009 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

Instrument :

BNA_F

ClientSampleId :

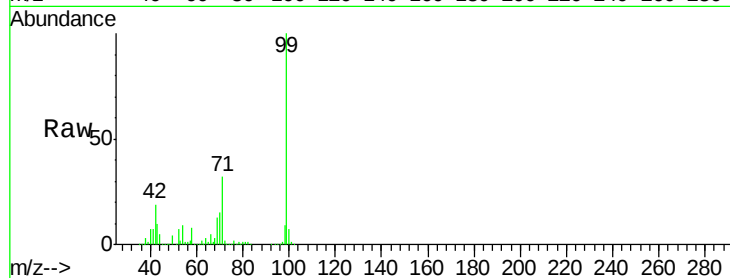
Tot Ion: 99 Resp: 1409558

Ion Ratio Lower Upper

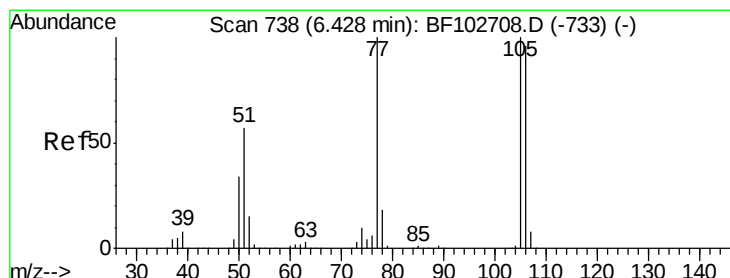
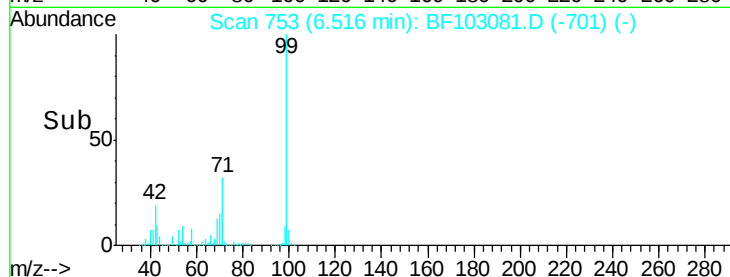
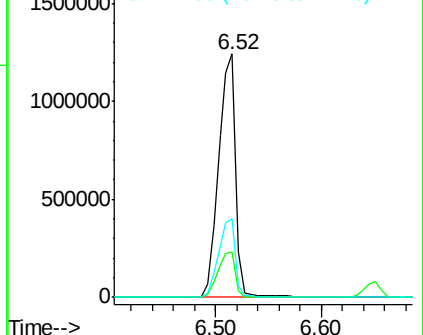
99 100

42 18.6 14.5 21.7

71 32.4 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: 2.555 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

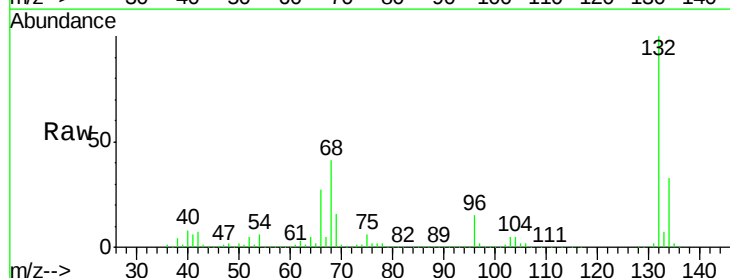
Tgt Ion: 77 Resp: 23880

Ion Ratio Lower Upper

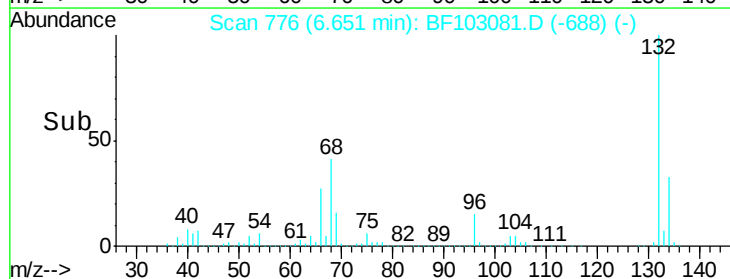
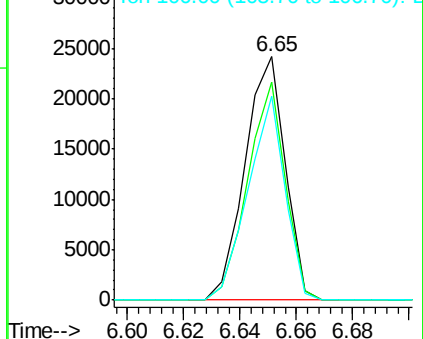
77 100

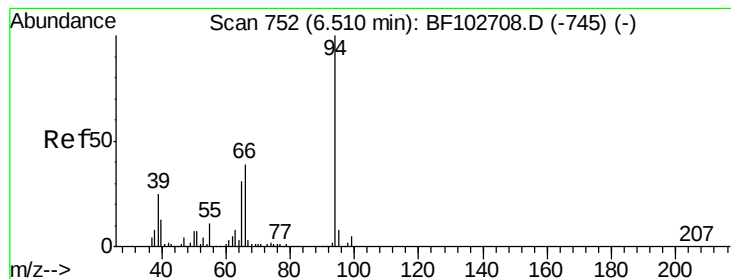
105 89.8 81.1 121.1

106 83.8 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





#10

Phenol

Concen: 2.160 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

Instrument :

BNA_F

ClientSampleId :

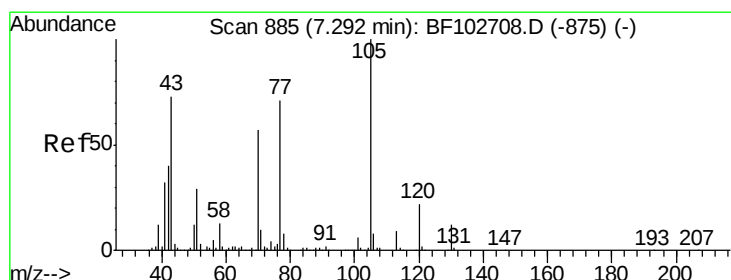
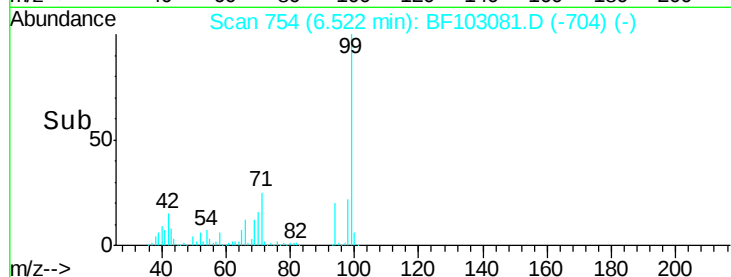
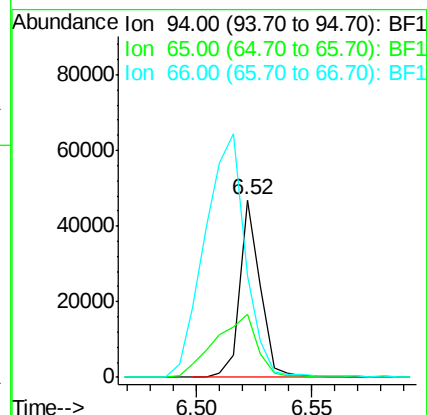
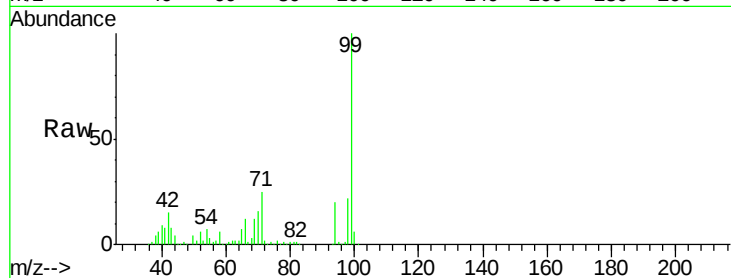
Tot Ion: 94 Resp: 29125

Ion Ratio Lower Upper

94 100

65 35.3 7.9 47.9

66 57.3 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 14.486 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

Tgt Ion: 70 Resp: 120191

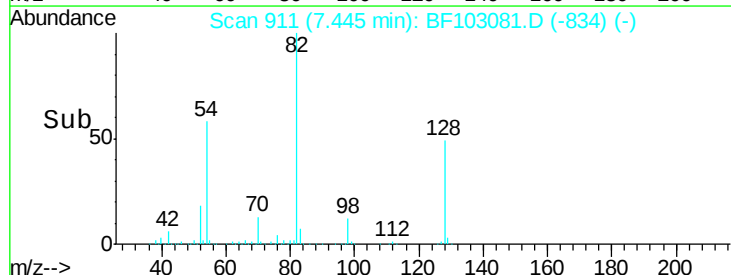
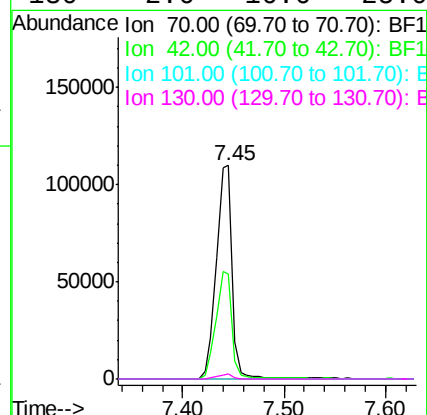
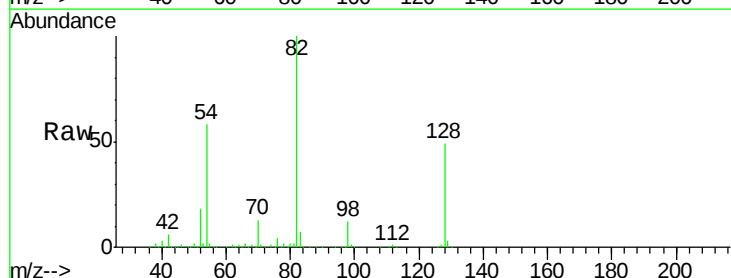
Ion Ratio Lower Upper

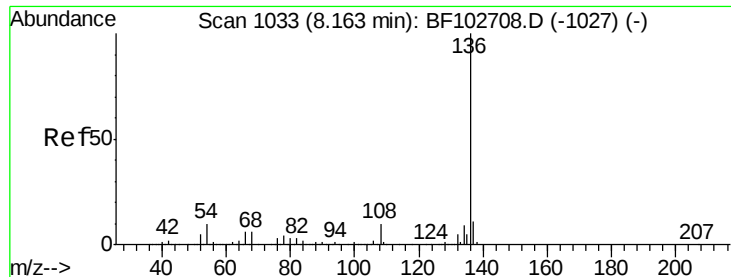
70 100

42 48.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 640688

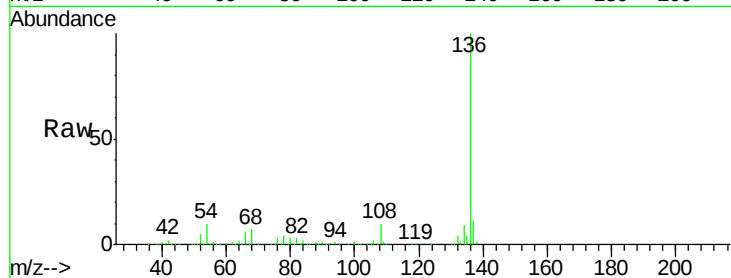
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.2 6.6 9.8#

68 7.0 5.0 7.4

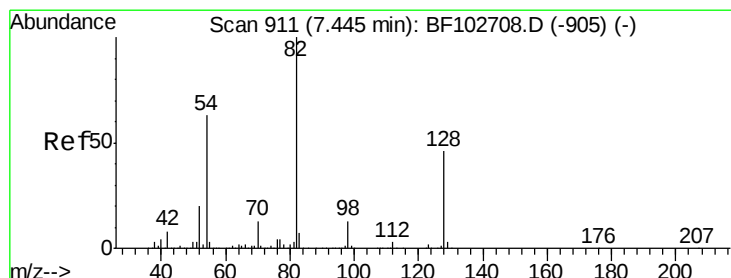
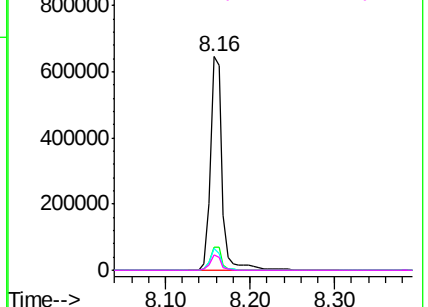
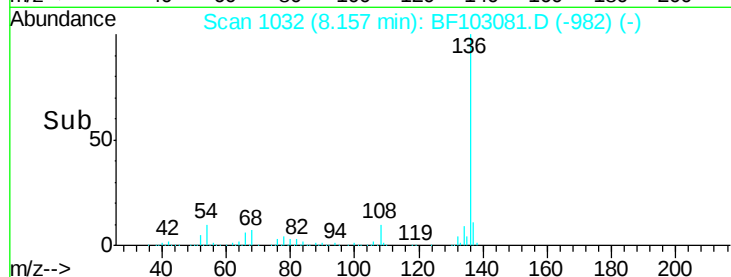


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.756 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

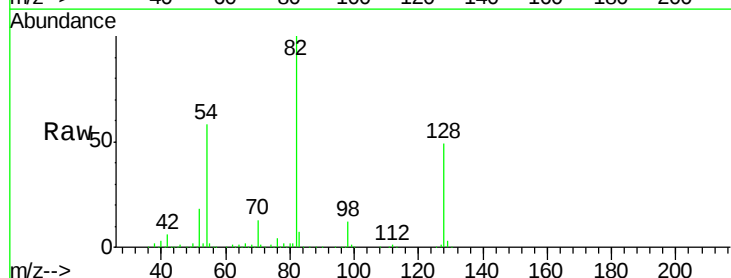
Tgt Ion: 82 Resp: 902852

Ion Ratio Lower Upper

82 100

128 48.5 36.1 54.1

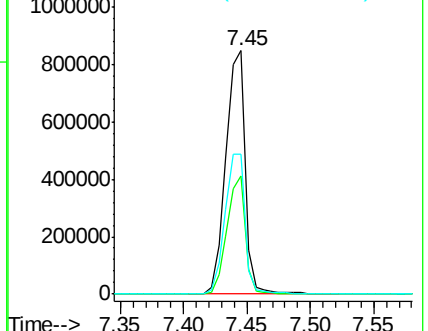
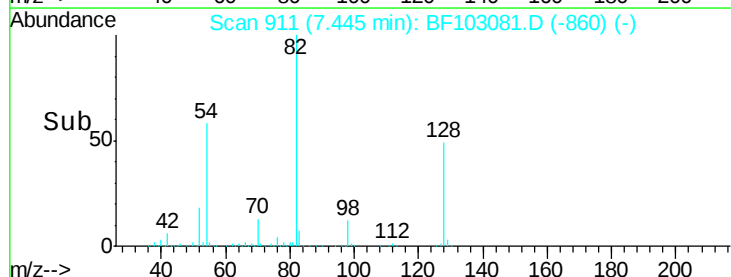
54 57.6 41.4 62.2

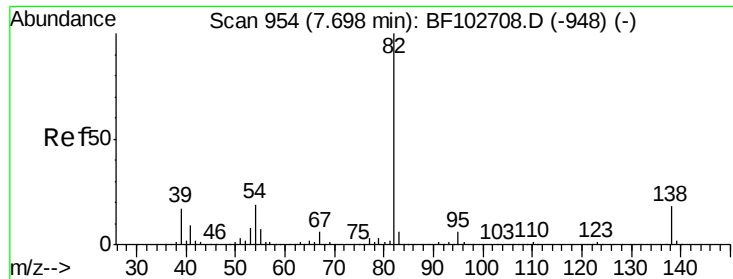


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

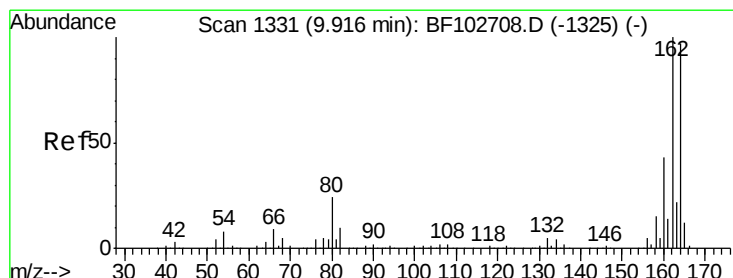
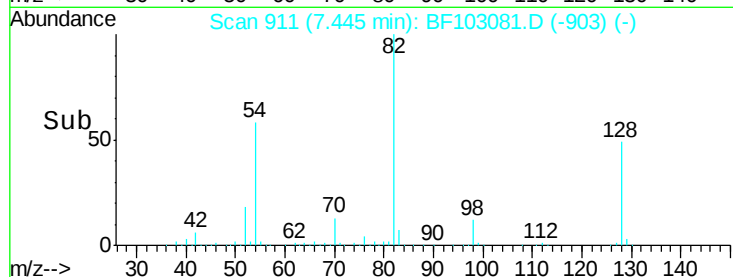
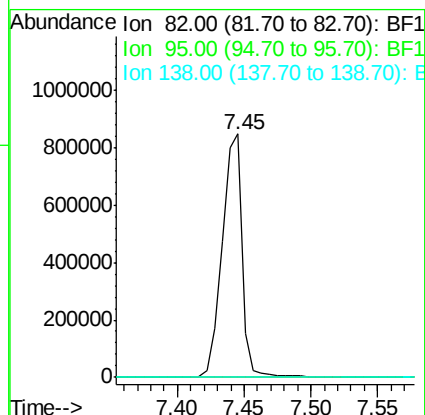
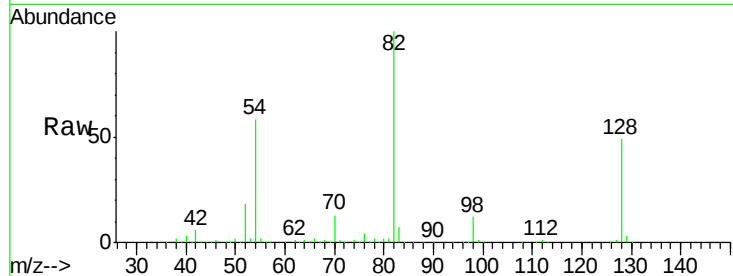




#25
Isophorone
Concen: 42.453 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.25 min
Lab File: BF103081.D
Acq: 19 Feb 2018 14:45

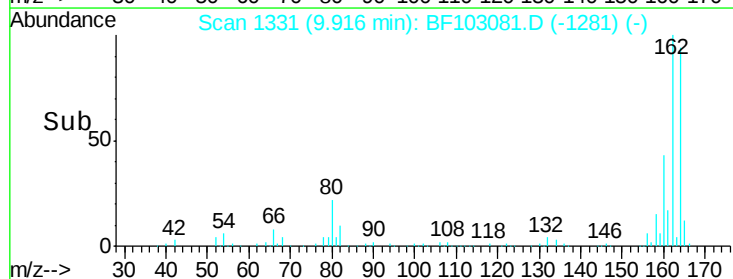
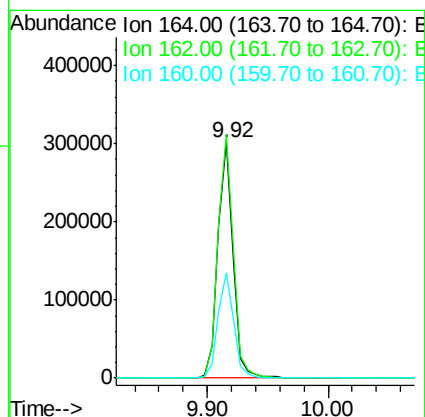
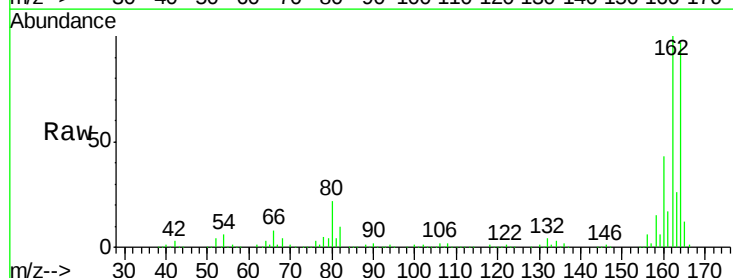
Instrument :
BNA_F
ClientSampled :

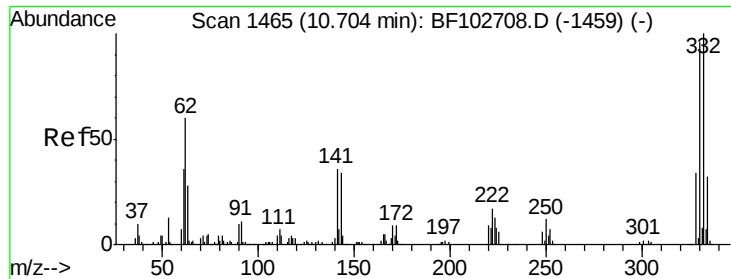
Tot Ion: 82 Resp: 902845
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103081.D
Acq: 19 Feb 2018 14:45

Tgt Ion:164 Resp: 257188
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 44.6 38.3 57.5

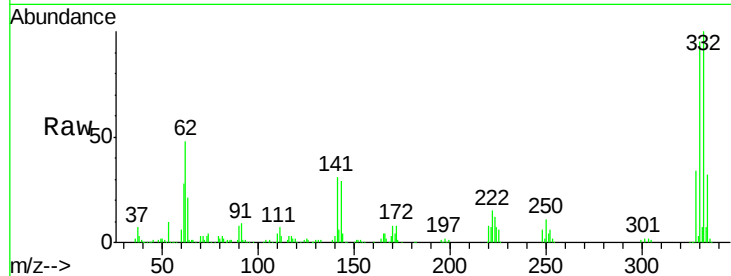




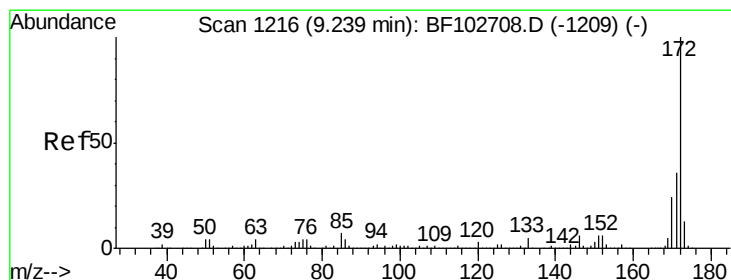
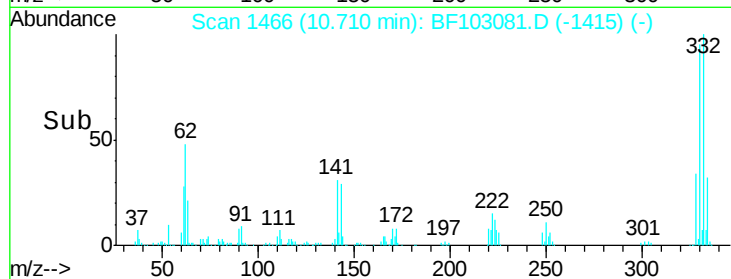
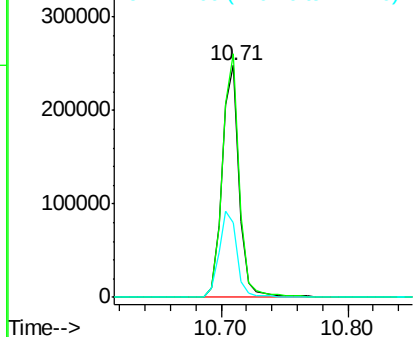
#41
 2,4,6-Tribromophenol
 Concen: 112.873 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103081.D
 Acq: 19 Feb 2018 14:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.9	77.0	115.6
141	39.8	29.9	44.9

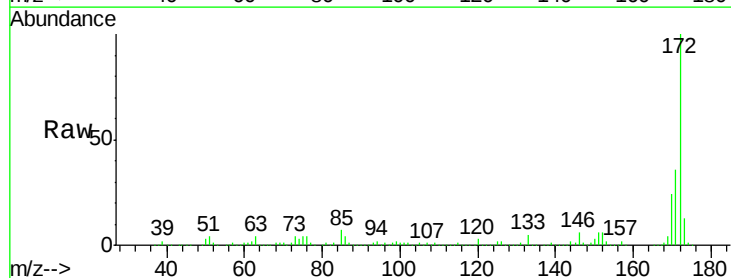


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

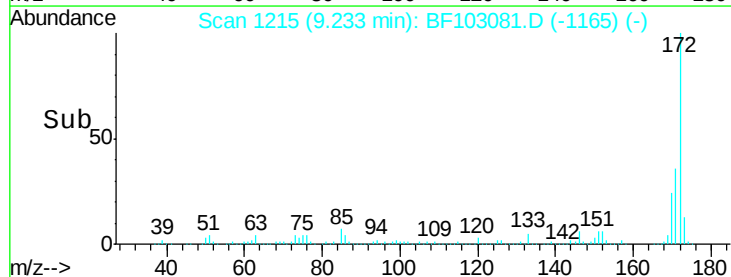
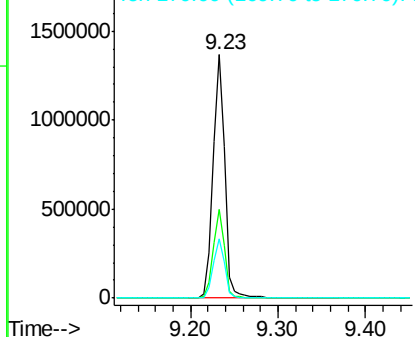


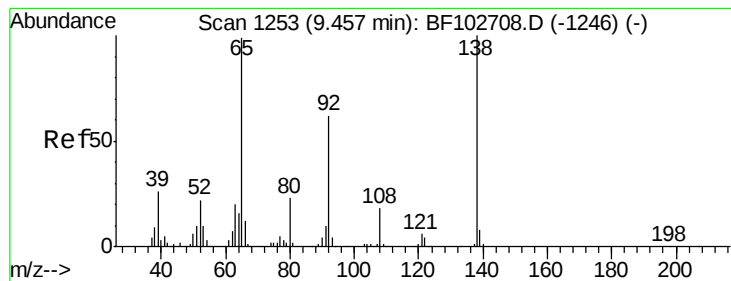
#44
 2-Fluorobiphenyl
 Concen: 82.387 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103081.D
 Acq: 19 Feb 2018 14:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.4	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: 3.547 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.16 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

Instrument :

BNA_F

ClientSampleId :

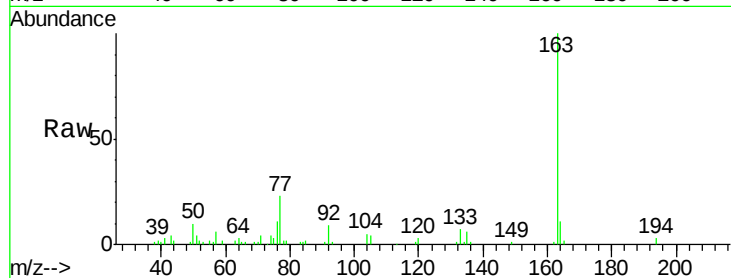
Tot Ion: 65 Resp: 426

Ion Ratio Lower Upper

65 100

92 932.1 55.8 83.6#

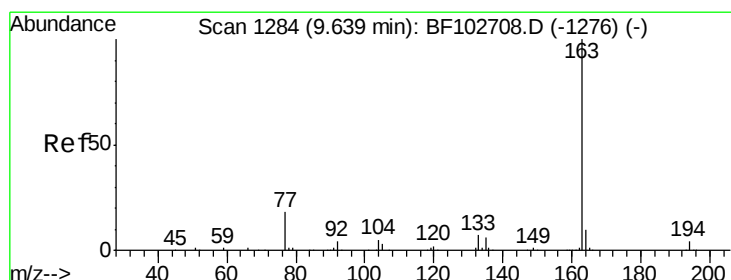
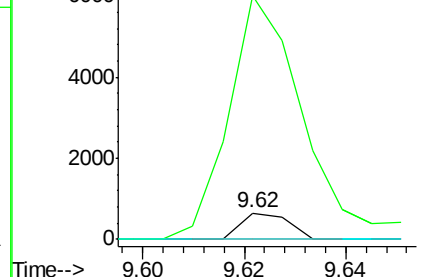
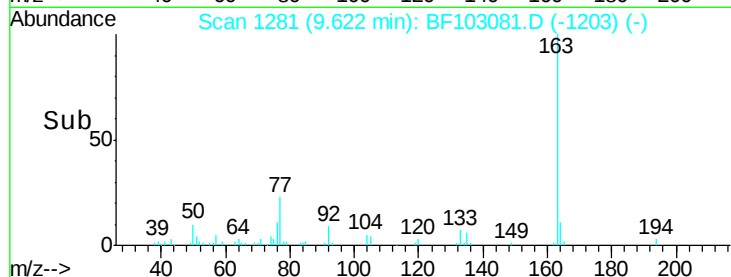
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 3.483 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

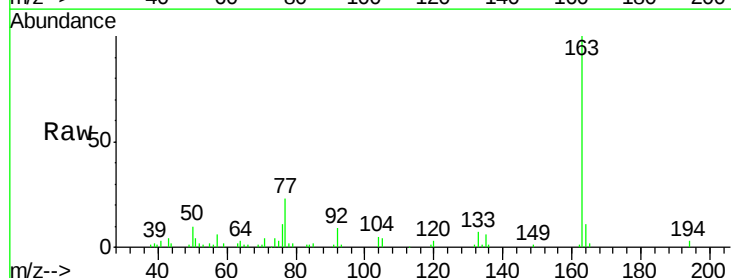
Tgt Ion: 163 Resp: 69844

Ion Ratio Lower Upper

163 100

194 2.6 2.7 4.1#

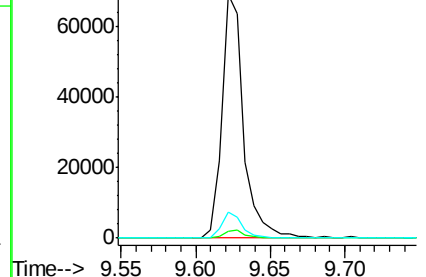
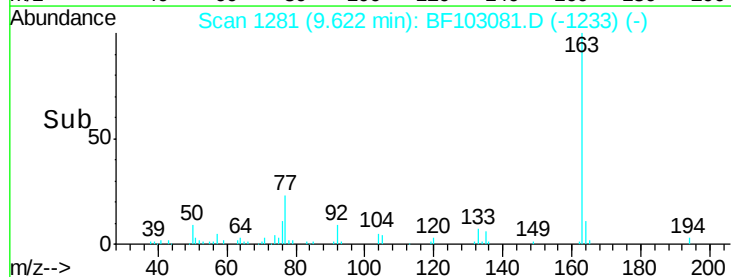
164 10.9 8.2 12.2

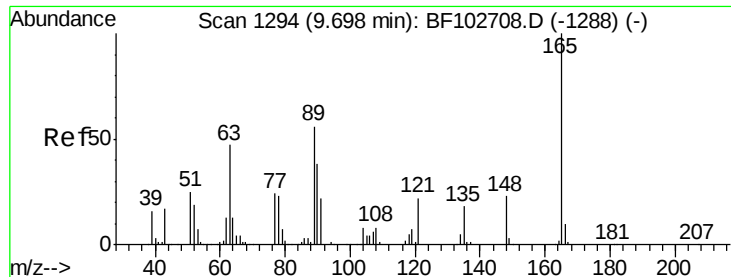


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

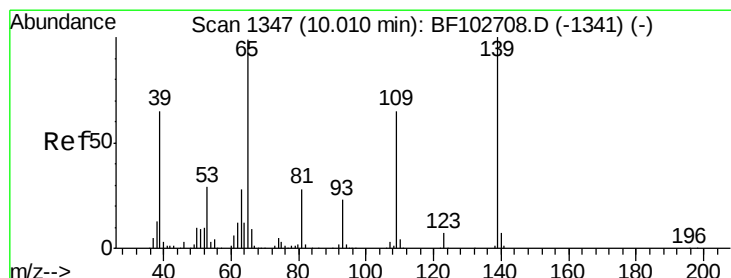
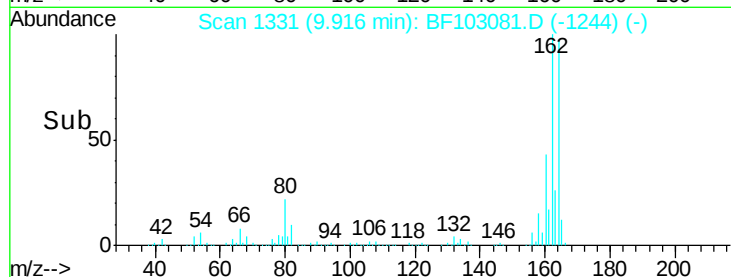
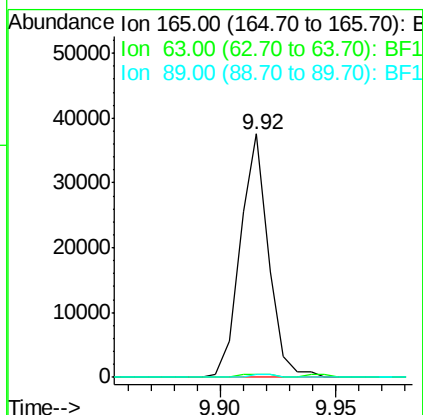
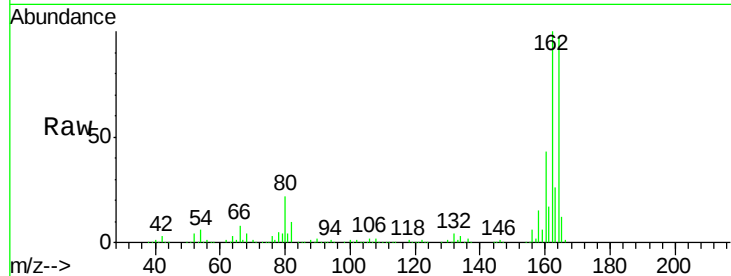




#50
 2,6-Dinitrotoluene
 Concen: 8.392 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103081.D
 Acq: 19 Feb 2018 14:45

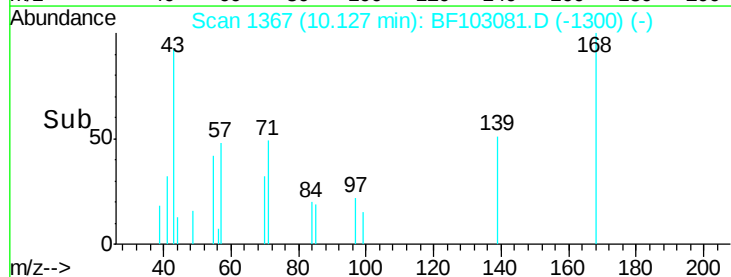
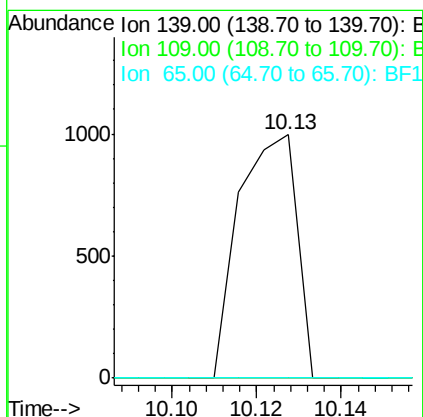
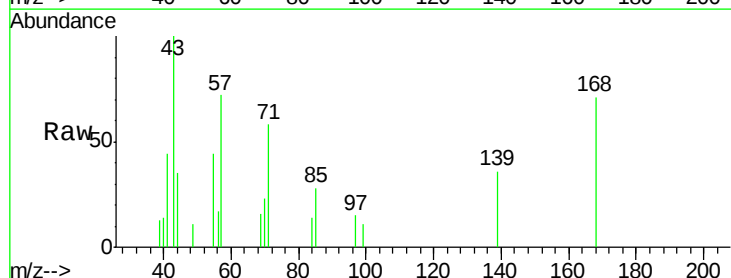
Instrument :
 BNA_F
 ClientSampleId :

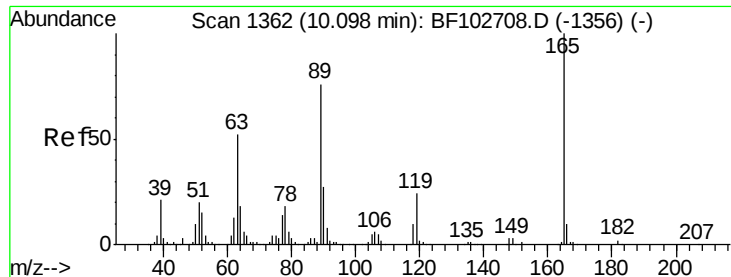
Tot Ion:165 Resp: 32017
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.0 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 4.258 ng
 RT: 10.13 min Scan# 1367
 Delta R.T. 0.09 min
 Lab File: BF103081.D
 Acq: 19 Feb 2018 14:45

Tgt Ion:139 Resp: 950
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#

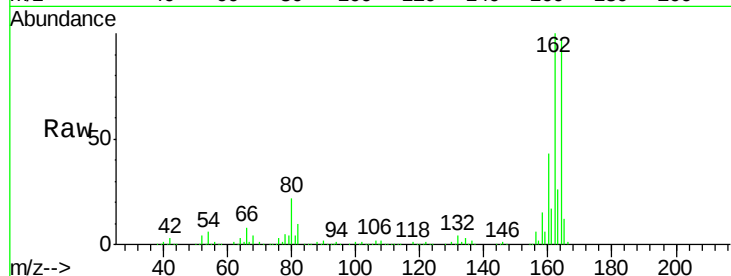




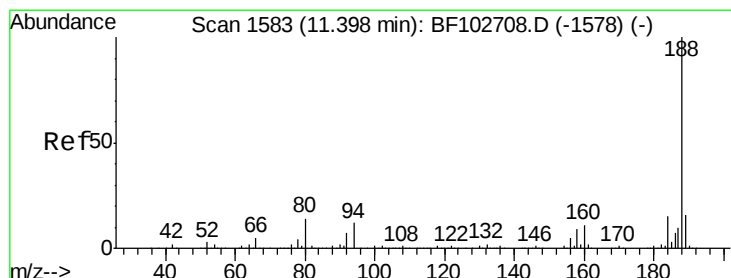
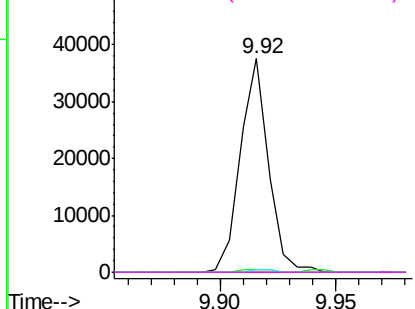
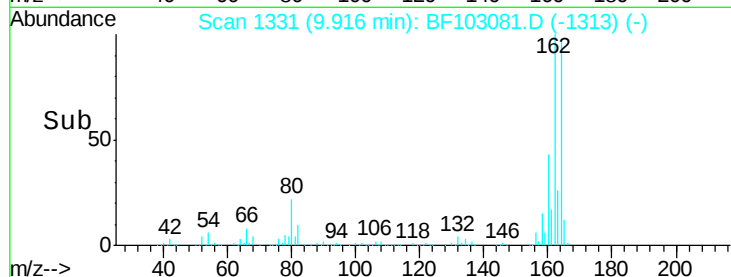
#56
 2,4-Dinitrotoluene
 Concen: 8.932 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103081.D
 Acq: 19 Feb 2018 14:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 32017
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.0 57.8 86.6#
 182 0.0 1.6 2.4#

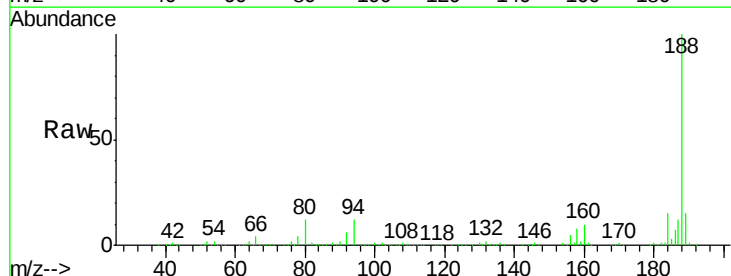


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

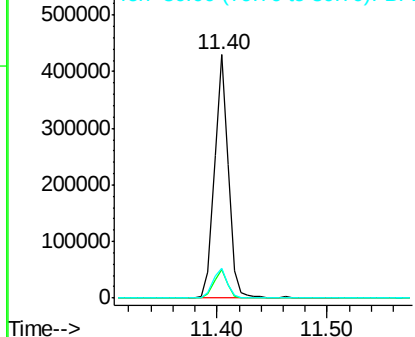
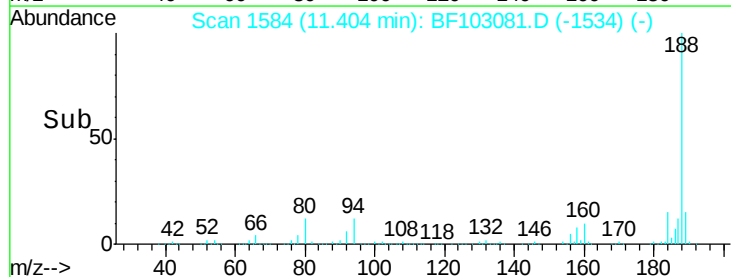


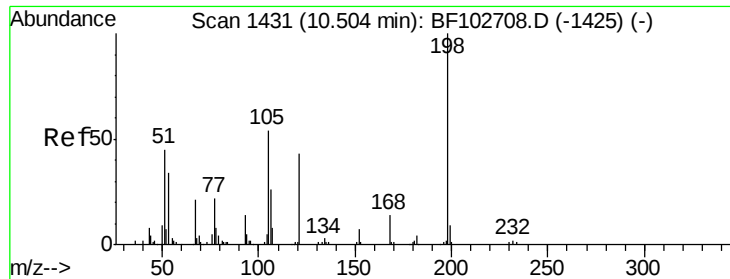
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103081.D
 Acq: 19 Feb 2018 14:45

Tgt Ion:188 Resp: 369413
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.5 9.2 13.8



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

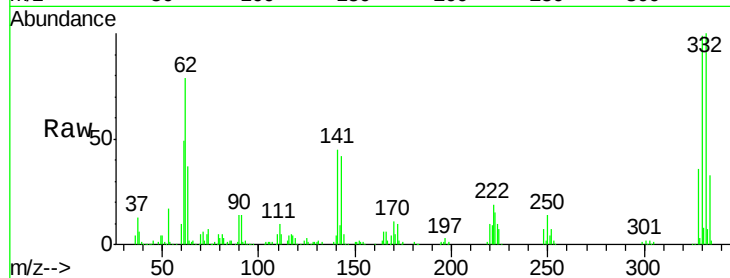




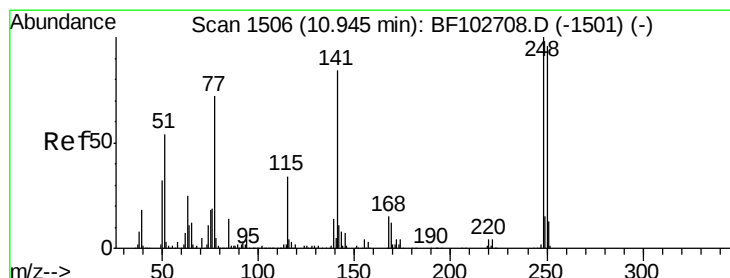
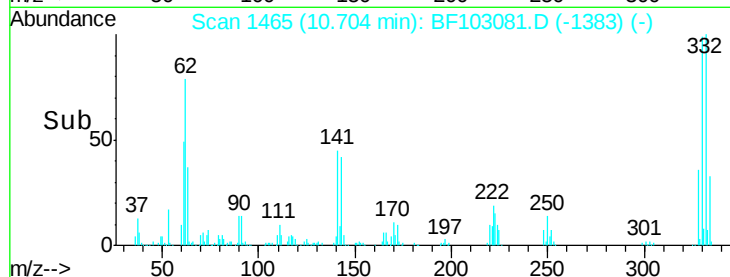
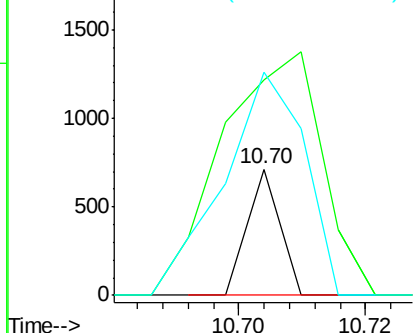
#64
4,6-Dinitro-2-methylphenol
Concen: 8.943 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103081.D
Acq: 19 Feb 2018 14:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 251
Ion Ratio Lower Upper
198 100
51 170.6 37.7 77.7#
105 176.7 36.3 76.3#

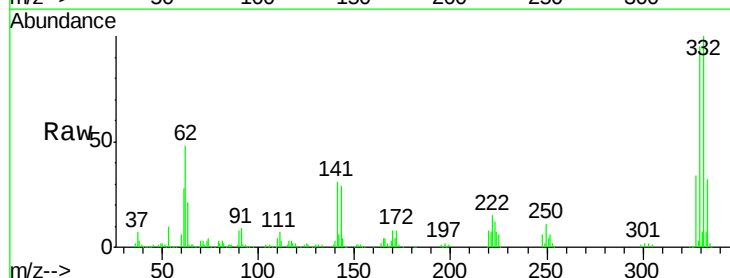


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

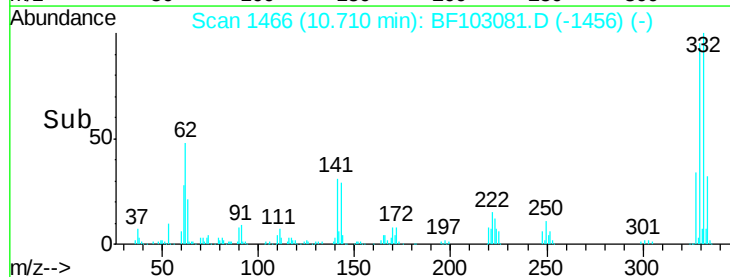
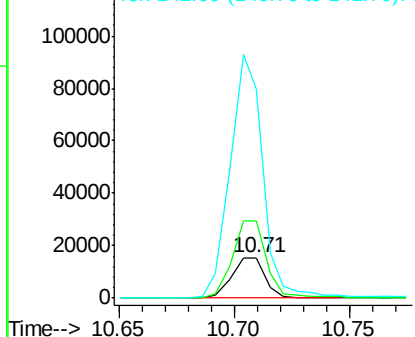


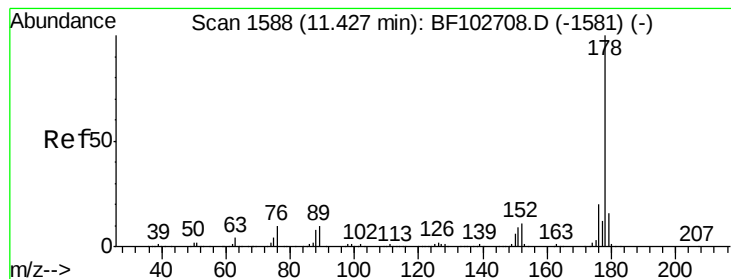
#66
4-Bromophenyl-phenylether
Concen: 4.028 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103081.D
Acq: 19 Feb 2018 14:45

Tgt Ion:248 Resp: 15741
Ion Ratio Lower Upper
248 100
250 191.2 76.9 115.3#
141 512.8 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





#70

Phenanthrene

Concen: 4.966 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

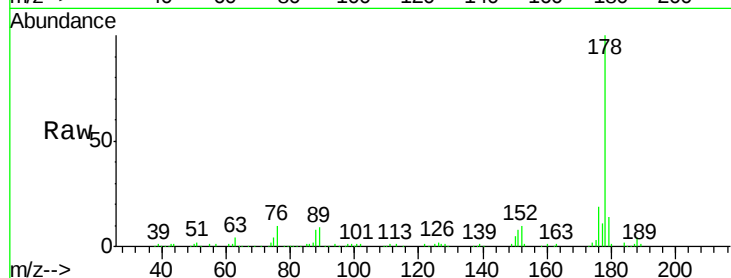
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 102174

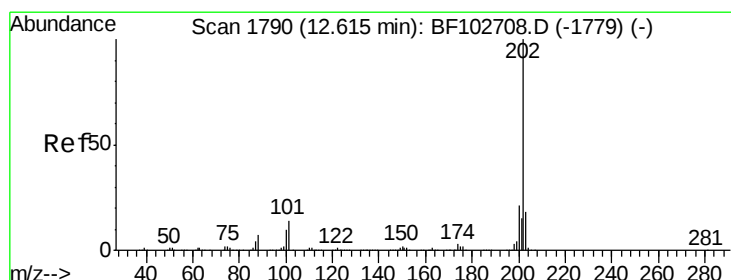
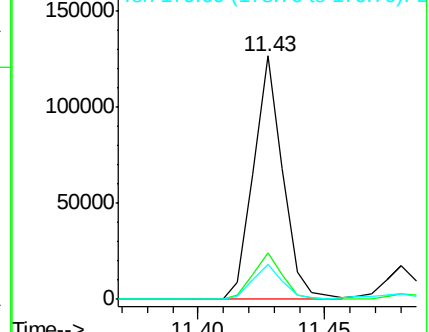
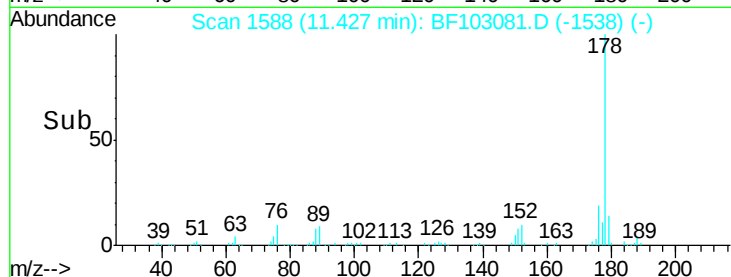
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.3	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.418 ng

RT: 12.62 min Scan# 1790

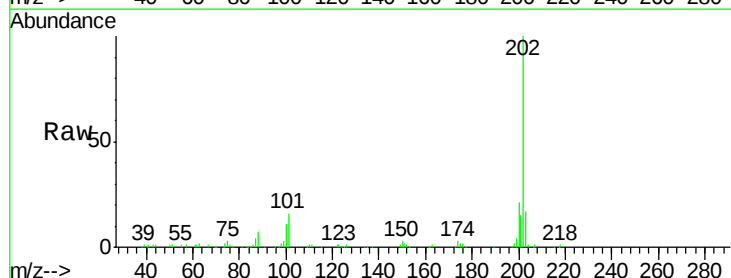
Delta R.T. -0.01 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

Tgt Ion:202 Resp: 112141

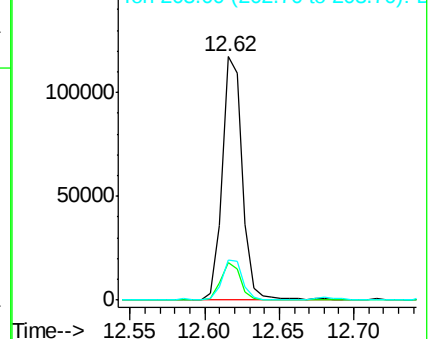
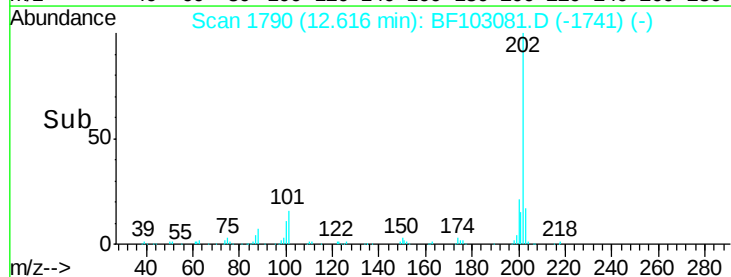
Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	34.1
203	16.6	0.0	38.1

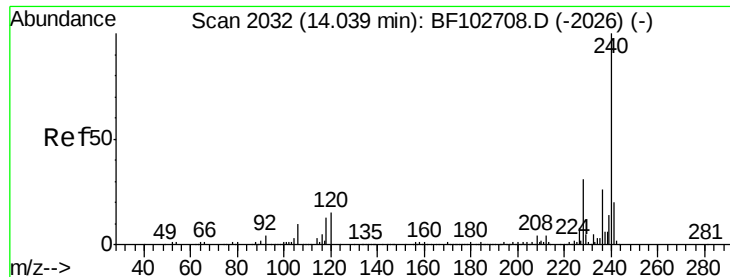


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

Instrument :

BNA_F

ClientSampleId :

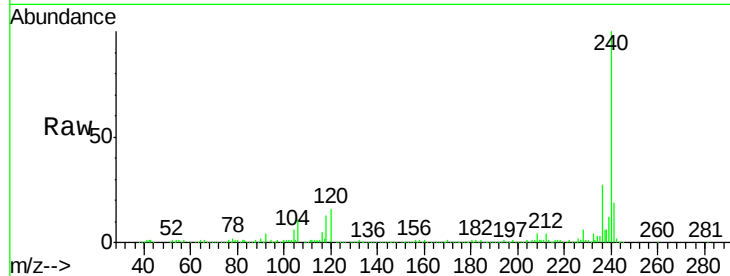
Tot Ion:240 Resp: 283475

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

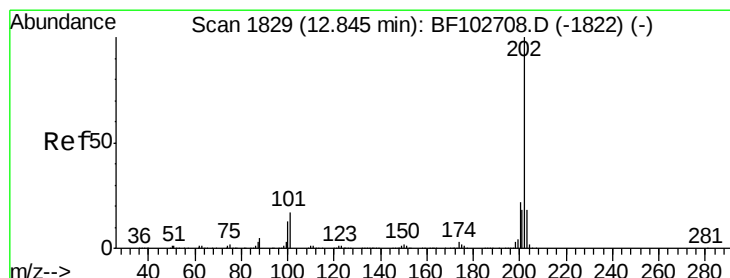
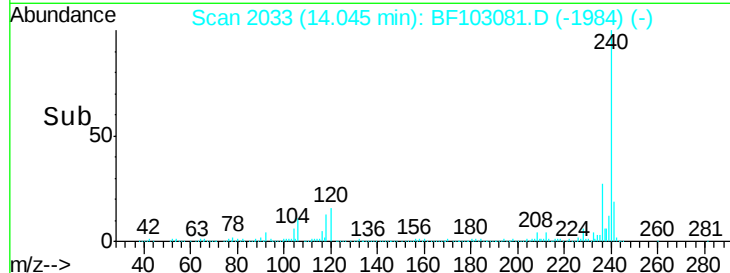
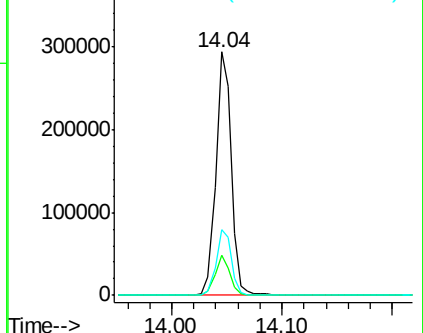
236 27.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.957 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

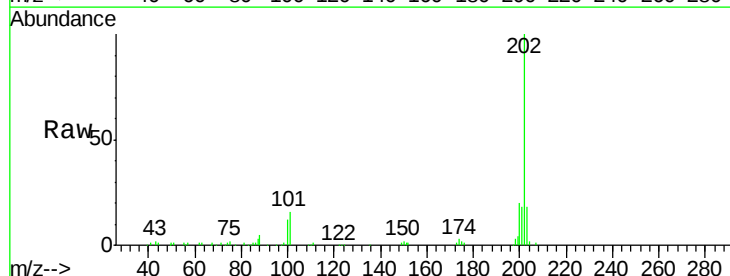
Tgt Ion:202 Resp: 87951

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

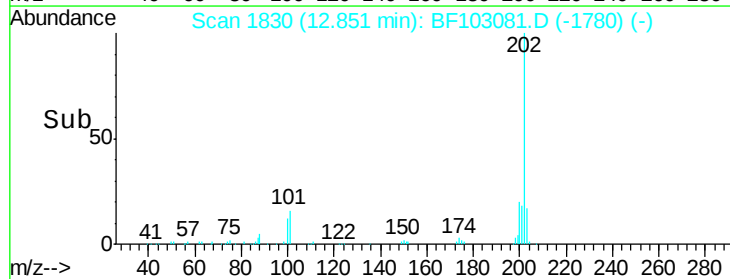
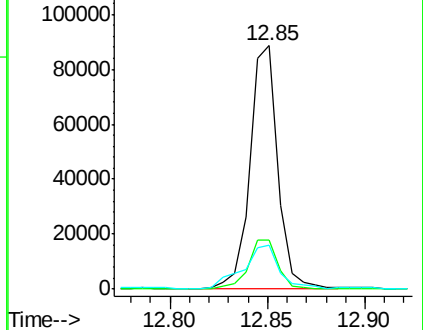
203 17.8 14.3 21.5

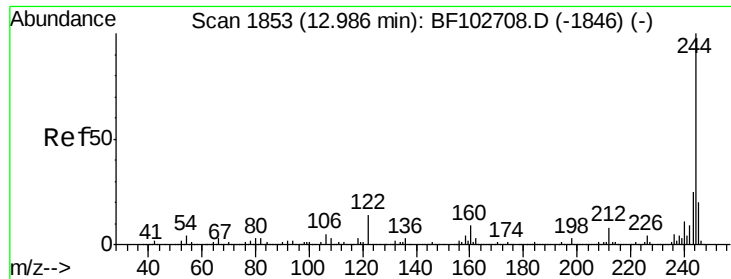


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

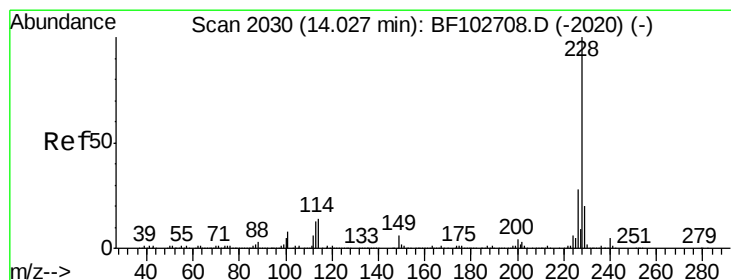
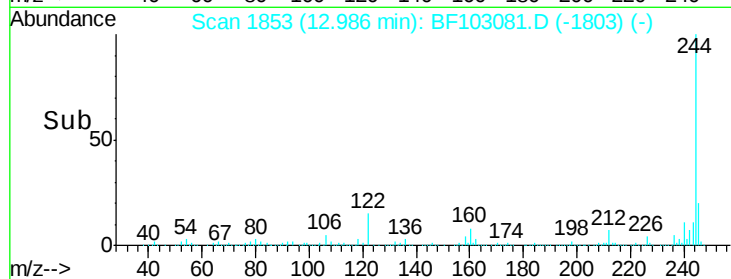
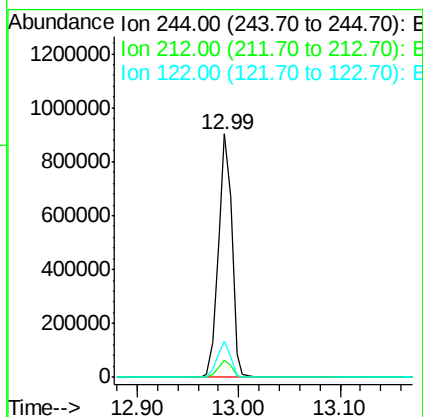
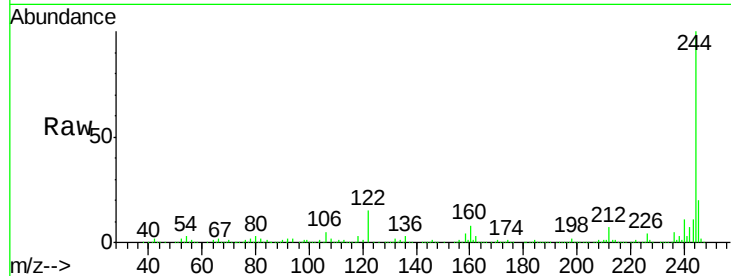




#78
 Terphenyl-d14
 Concen: 69.517 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF103081.D
 Acq: 19 Feb 2018 14:45

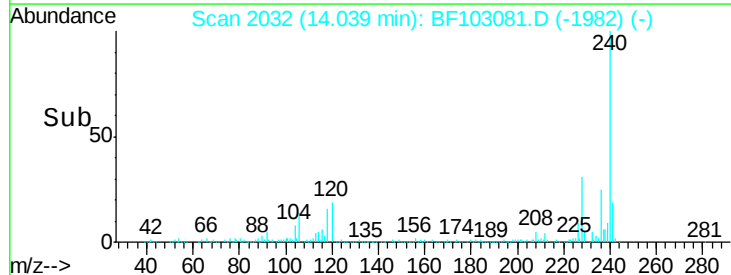
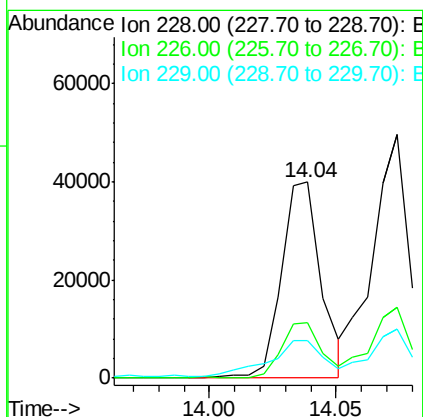
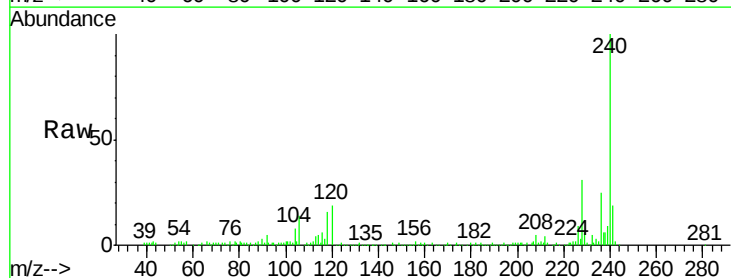
Instrument :
 BNA_F
 ClientSampled :

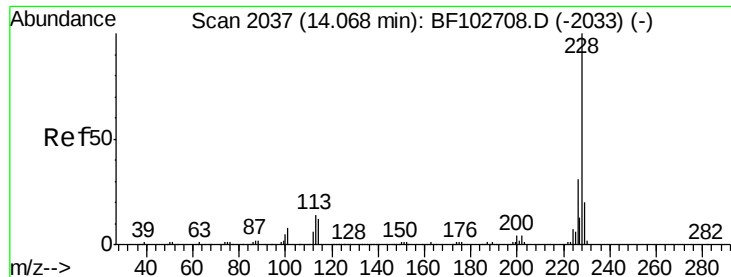
Tot Ion:244 Resp: 832275
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 14.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.453 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF103081.D
 Acq: 19 Feb 2018 14:45

Tgt Ion:228 Resp: 43732
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 19.1 15.8 23.6

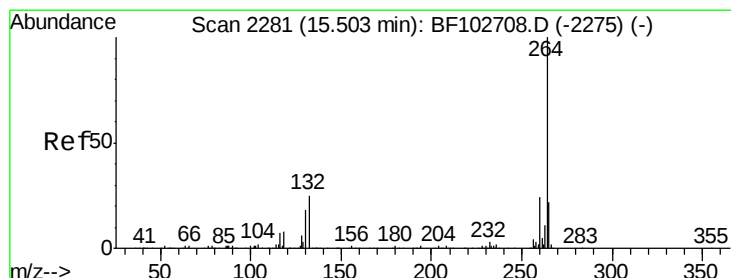
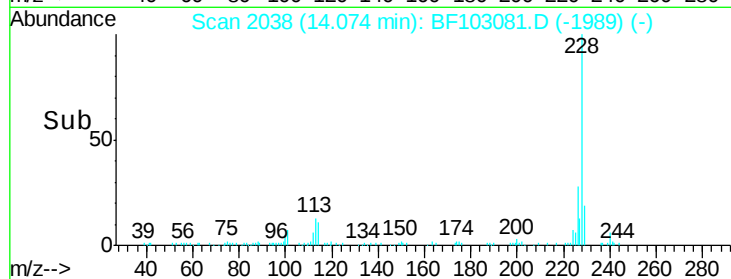
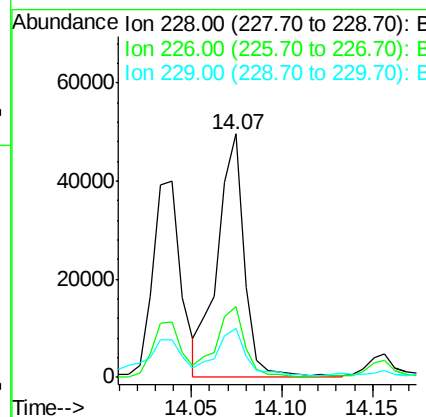
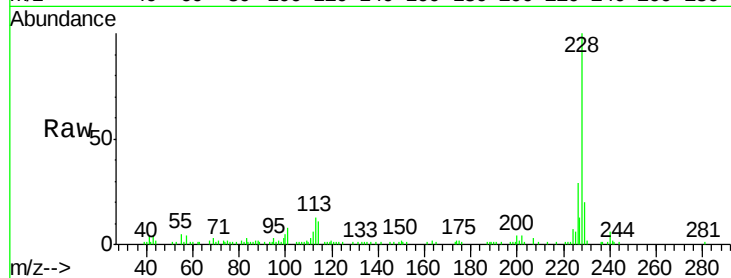




#82
Chrysene
Concen: 2.861 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103081.D
Acq: 19 Feb 2018 14:45

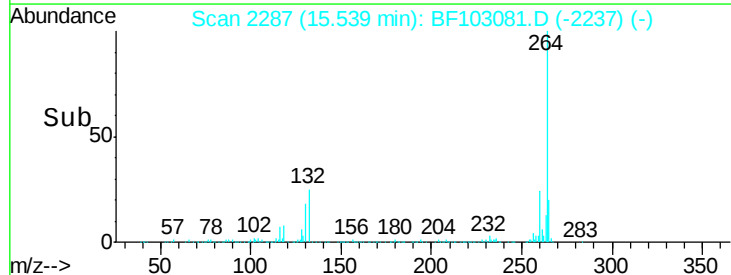
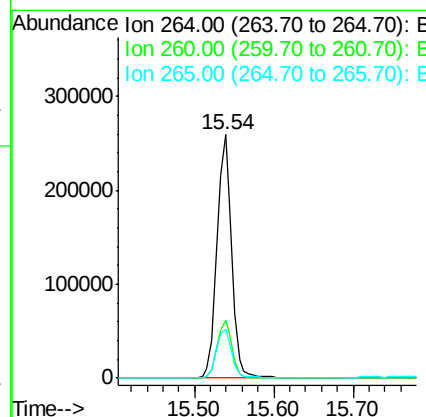
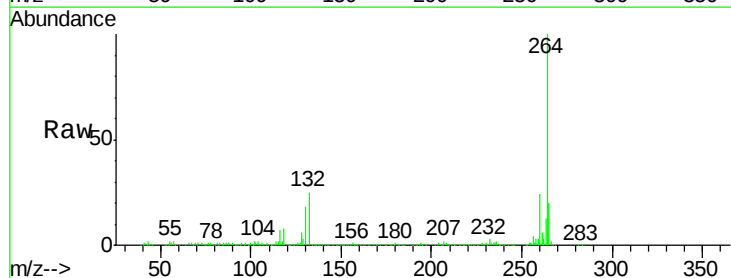
Instrument :
BNA_F
ClientSampleId :

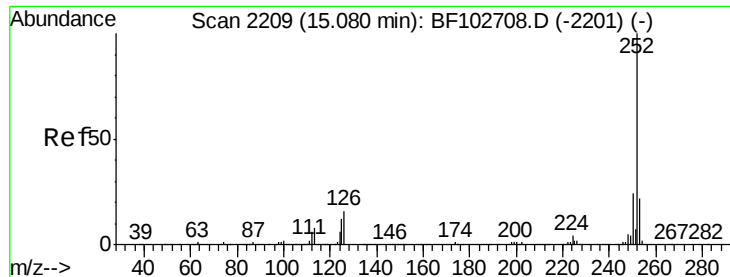
Tot Ion:228 Resp: 51417
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 20.1 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103081.D
Acq: 19 Feb 2018 14:45

Tgt Ion:264 Resp: 332836
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 20.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.720 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

Instrument :

BNA_F

ClientSampled :

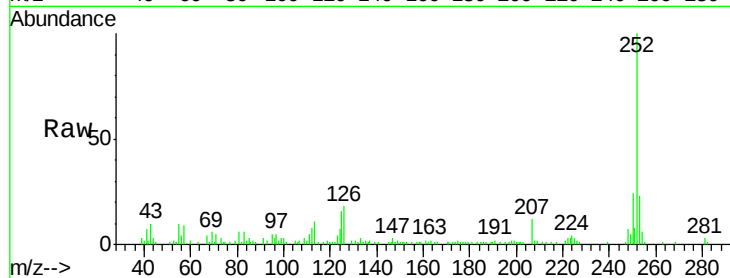
Tot Ion:252 Resp: 80264

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

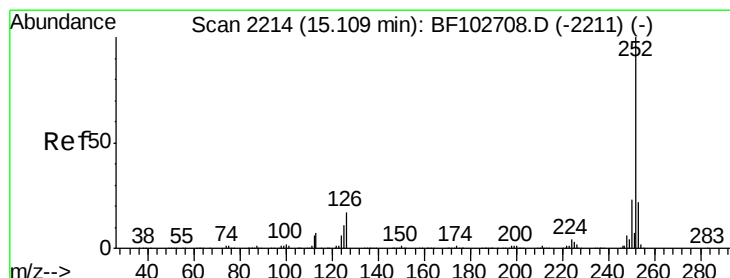
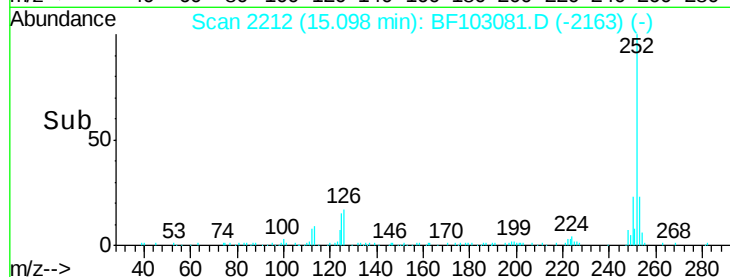
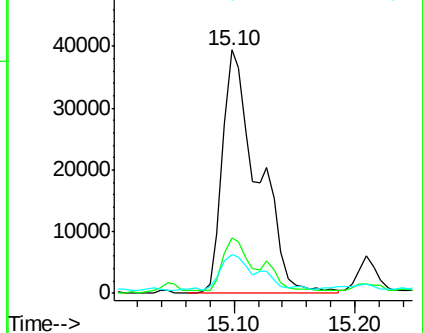
125 15.7 9.0 13.6#



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: 3.893 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.04 min

Lab File: BF103081.D

Acq: 19 Feb 2018 14:45

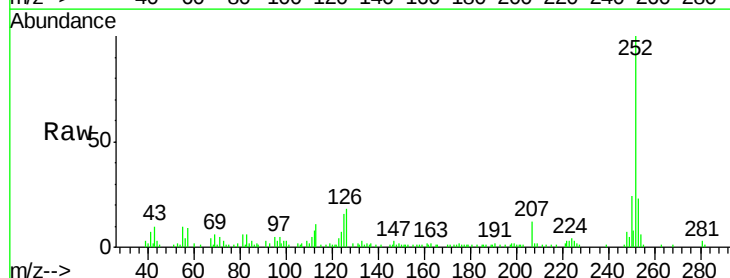
Tgt Ion:252 Resp: 80264

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 15.7 10.2 15.2#



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

