

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103082.D
 Acq On : 19 Feb 2018 15:12
 Operator : SJ/JU
 Sample : J1604-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 17:03:08 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	177143	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	729679	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	316855	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	479382	20.00	ng	0.00
75) Chrysene-d12	14.04	240	314935	20.00	ng	-0.01
86) Perylene-d12	15.54	264	336212	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1091719	93.59	ng	0.01
7) Phenol-d6	6.51	99	1314686	93.61	ng	0.00
23) Nitrobenzene-d5	7.44	82	855548	81.34	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	251032	98.43	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1272798	66.66	ng	0.00
78) Terphenyl-d14	12.99	244	859390	64.61	ng	0.00

Target Compounds

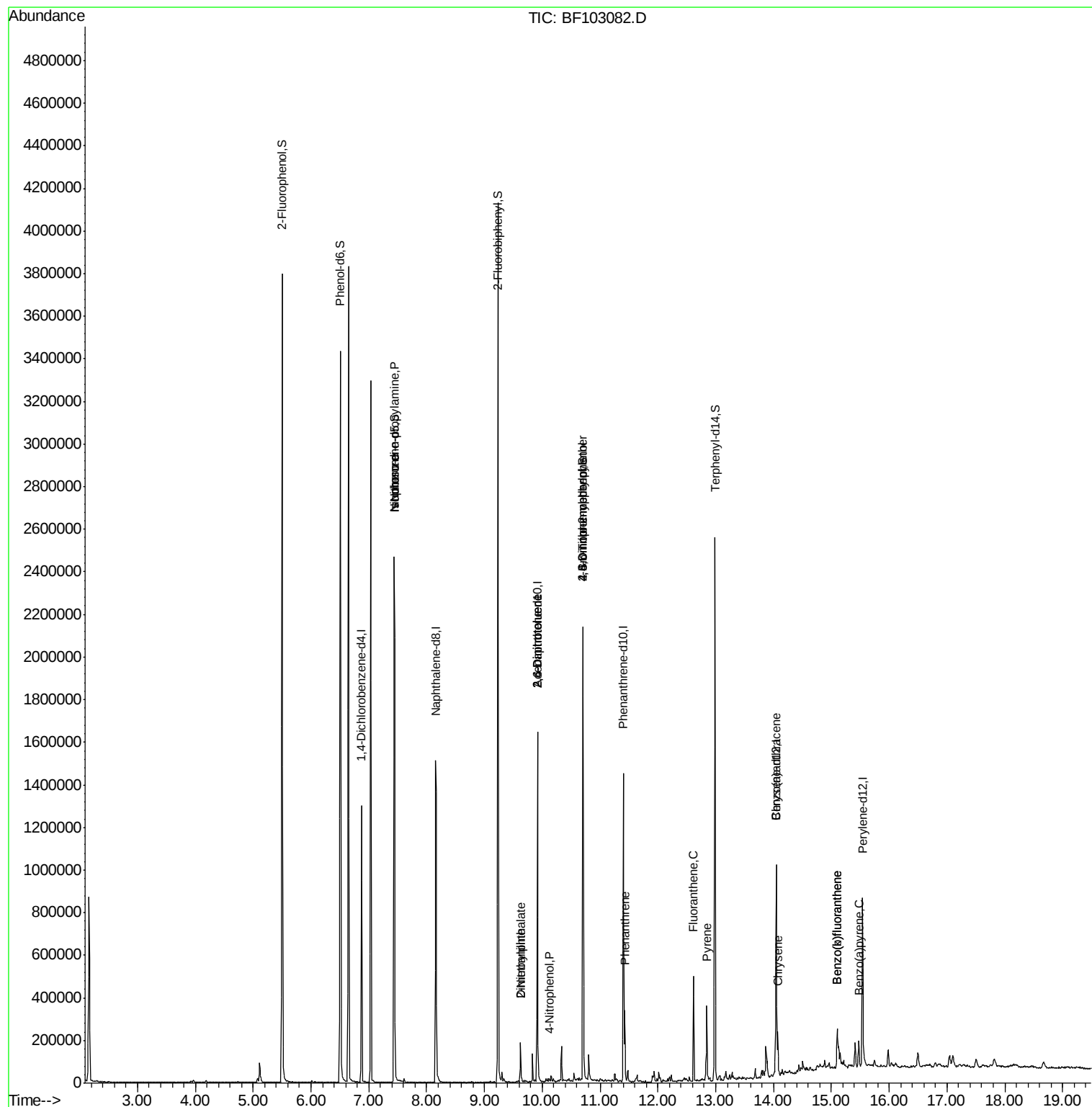
						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	113539	12.261	ng	# 81
25) Isophorone	7.44	82	855542	35.323	ng	# 64
47) 2-Nitroaniline	9.62	65	952	3.608	ng	# 1
49) Dimethylphthalate	9.62	163	74033	2.997	ng	98
50) 2,6-Dinitrotoluene	9.92	165	40031	8.517	ng	# 26
55) 4-Nitrophenol	10.12	139	241	4.072	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	40031	9.019	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	339	8.949	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	16643	3.282	ng	# 1
70) Phenanthrene	11.43	178	108034	4.046	ng	97
74) Fluoranthene	12.62	202	184168	6.856	ng	96
77) Pvrene	12.85	202	147701	5.981	ng	97
80) Benzo(a)anthracene	14.04	228	64977	3.281	ng	98
82) Chrysene	14.07	228	76203	3.817	ng	96
87) Benzo(b)fluoranthene	15.10	252	130706	5.996	ng	# 97
88) Benzo(k)fluoranthene	15.10	252	130706	6.276	ng	97
89) Benzo(a)pyrene	15.47	252	57491	2.930	ng	# 96

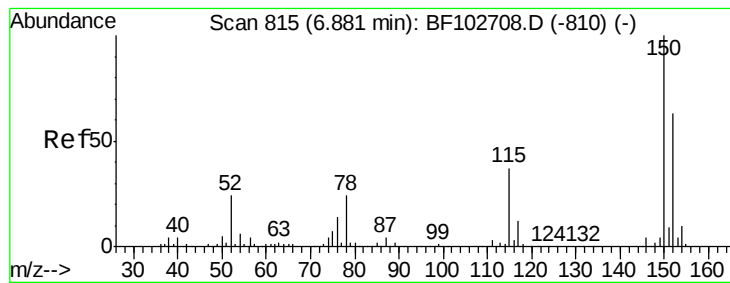
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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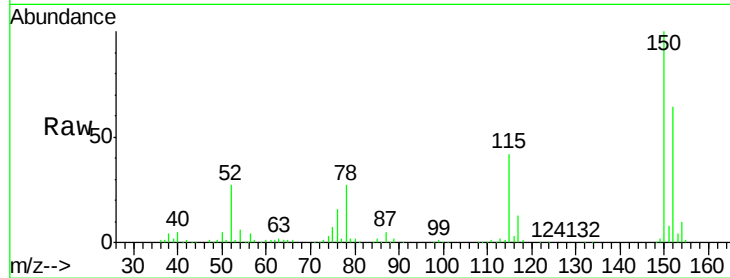


#1

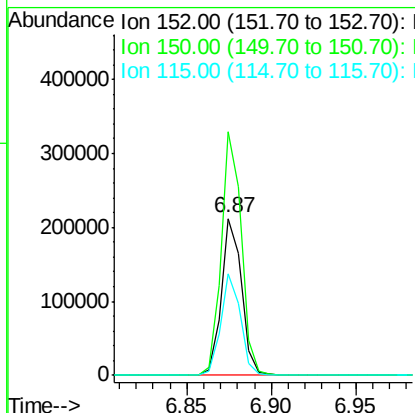
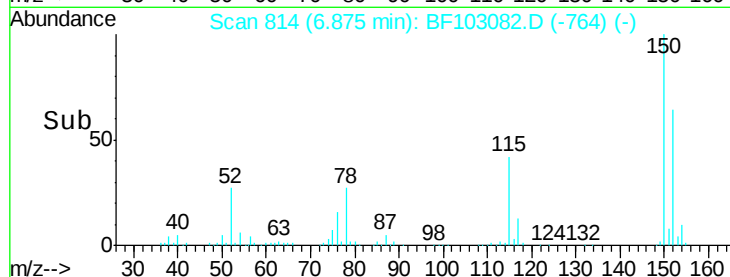
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103082.D
Acq: 19 Feb 2018 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 177143
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 64.4 50.1 75.1



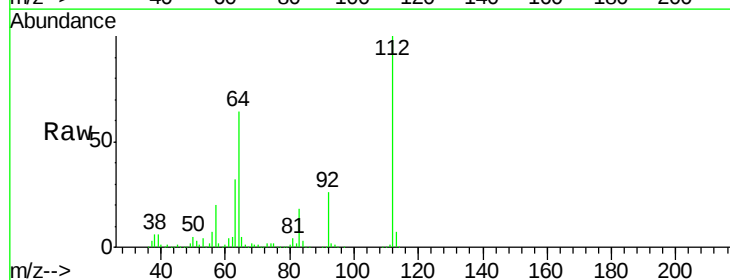
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



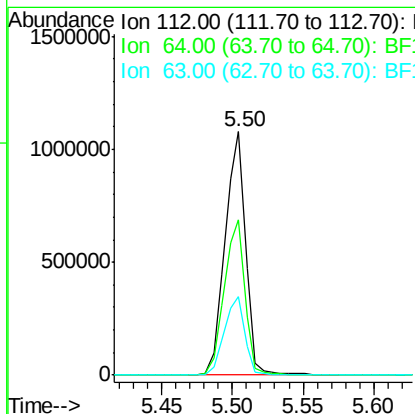
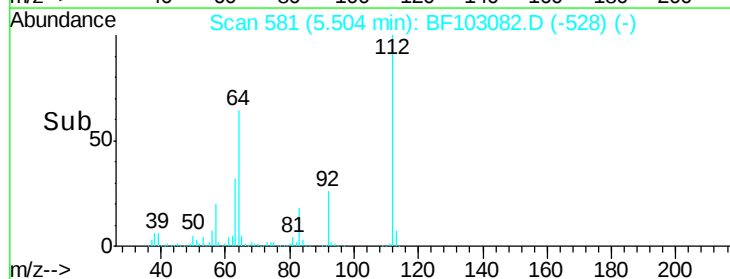
#5

2-Fluorophenol
Concen: 93.594 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103082.D
Acq: 19 Feb 2018 15:12

Tgt Ion:112 Resp: 1091719
Ion Ratio Lower Upper
112 100
64 63.7 47.9 71.9
63 32.0 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: 93.607 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampleId :

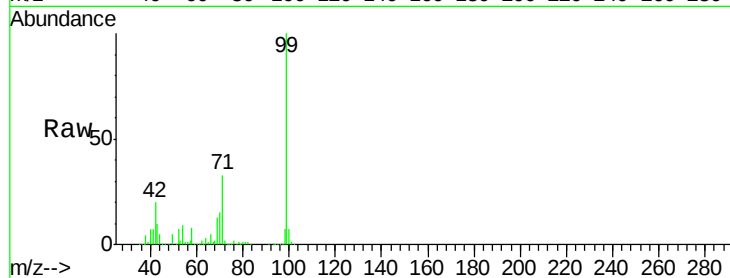
Tot Ion: 99 Resp: 1314686

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

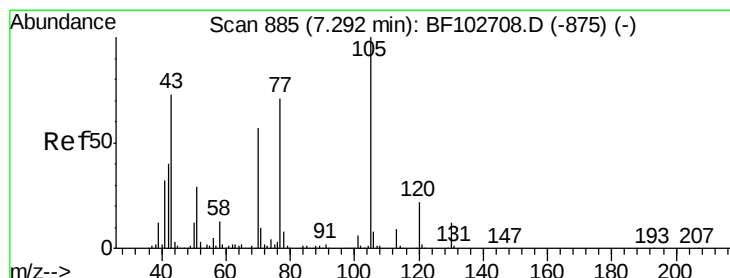
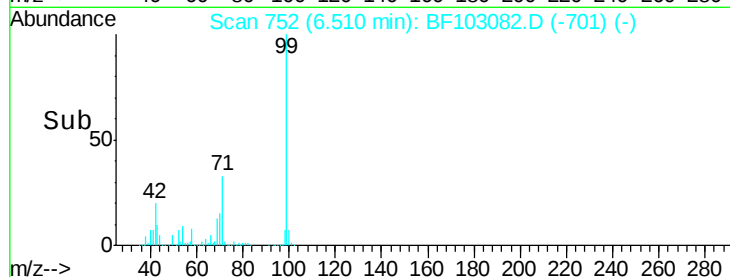
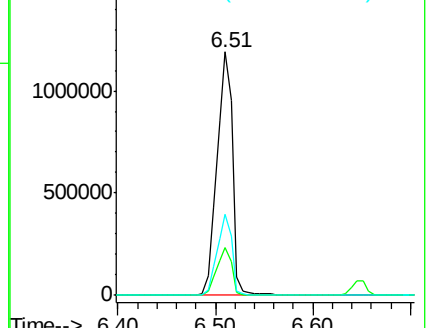
71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.261 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Tgt Ion: 70 Resp: 113539

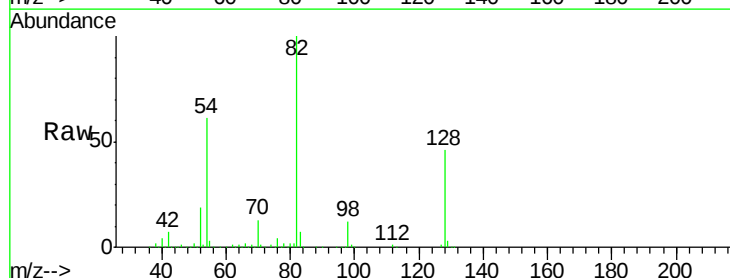
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

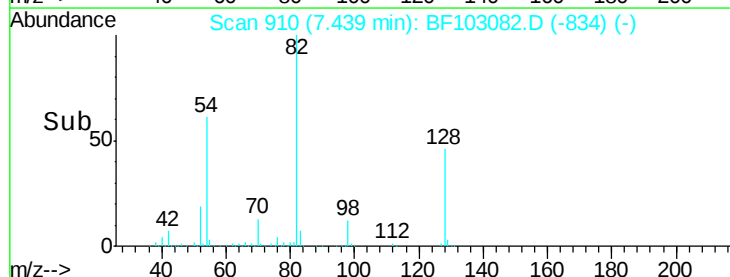
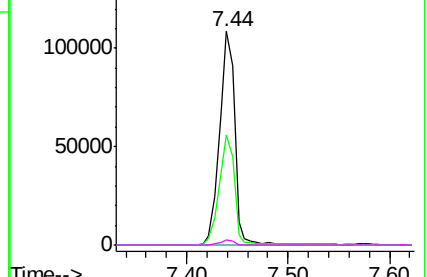


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 729679

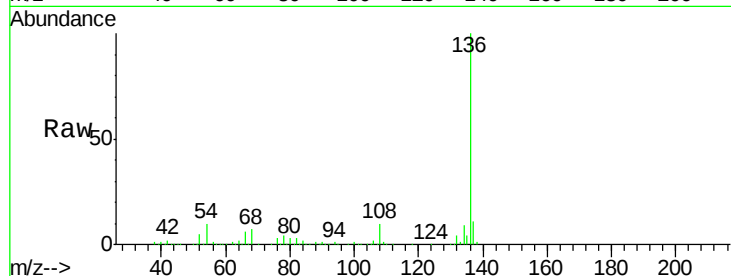
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.9 6.6 9.8#

68 7.0 5.0 7.4

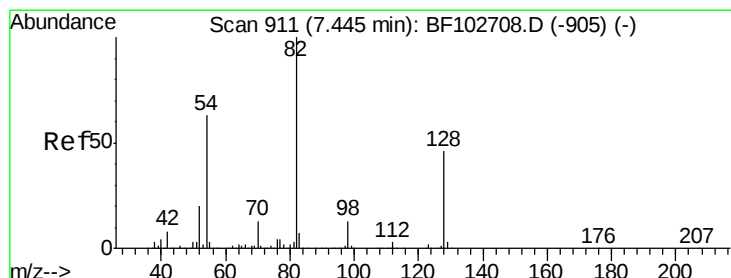
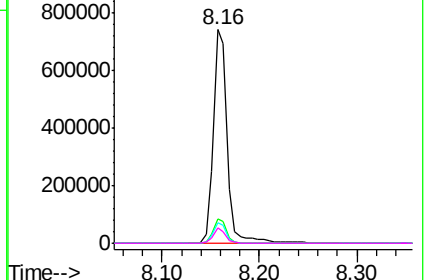
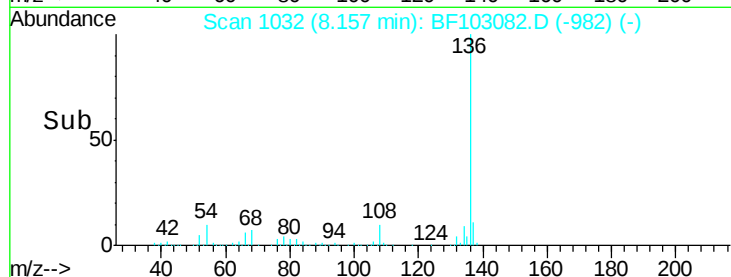


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.337 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

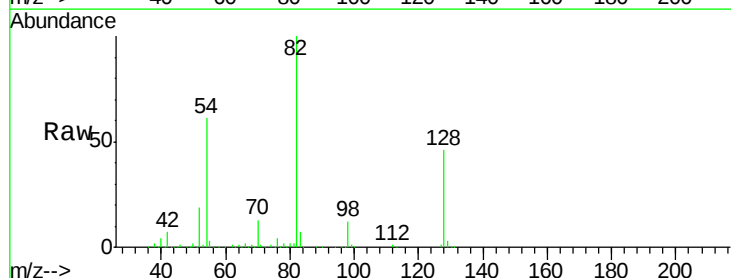
Tgt Ion: 82 Resp: 855548

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

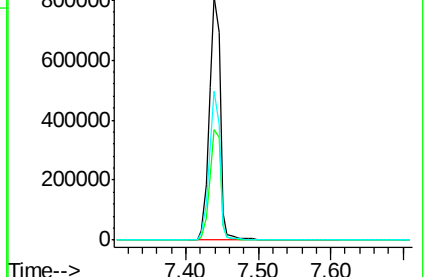
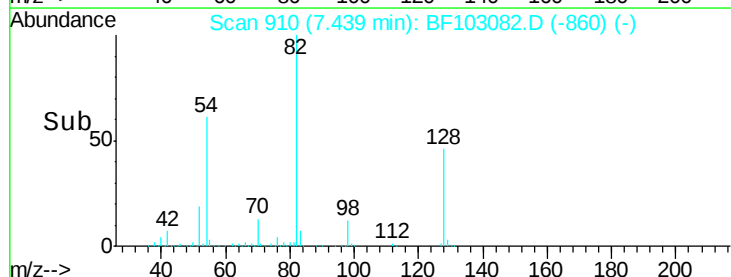
54 61.1 41.4 62.2

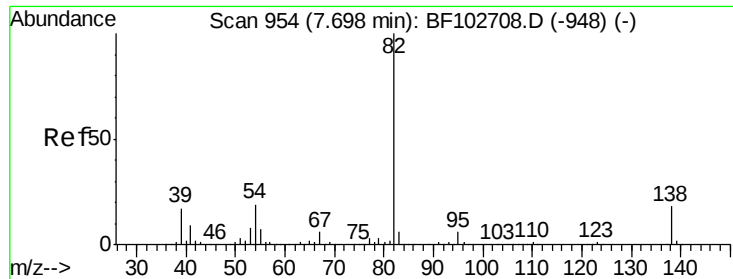


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.323 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampleId :

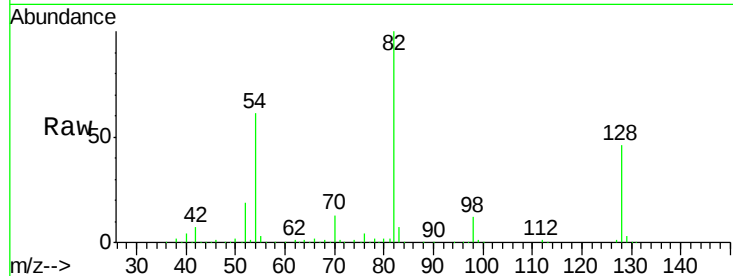
Tot Ion: 82 Resp: 855542

Ion Ratio Lower Upper

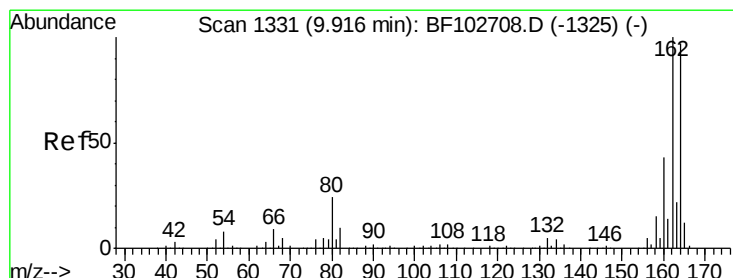
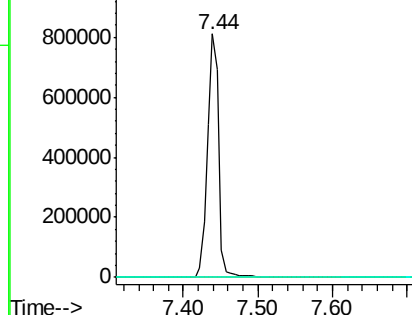
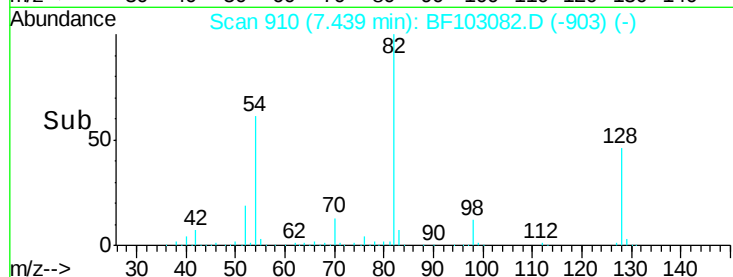
82 100

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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

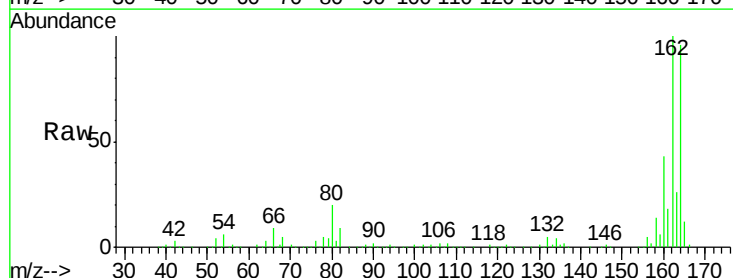
Tgt Ion: 164 Resp: 316855

Ion Ratio Lower Upper

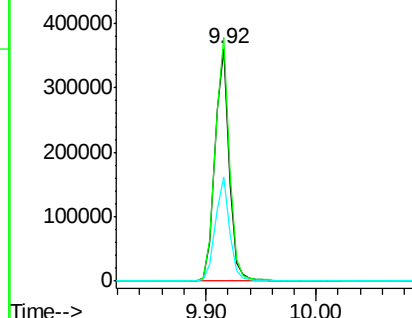
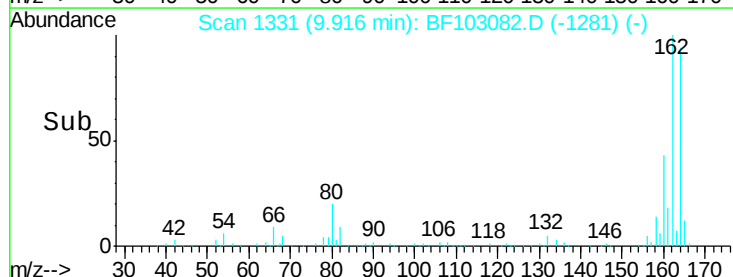
164 100

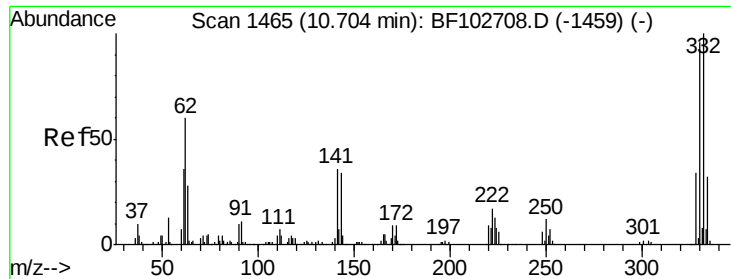
162 104.7 86.1 129.1

160 44.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

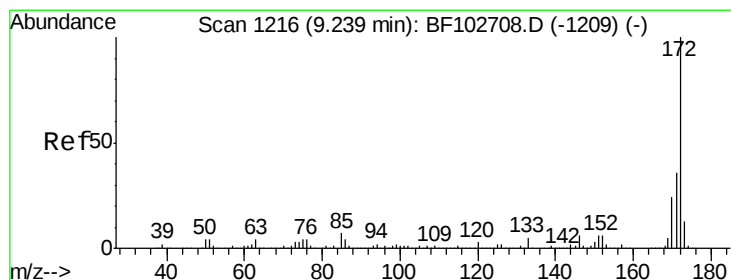
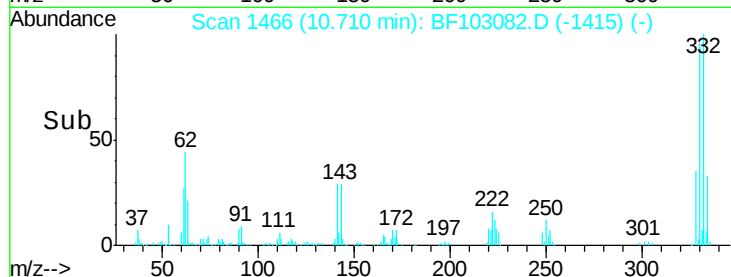
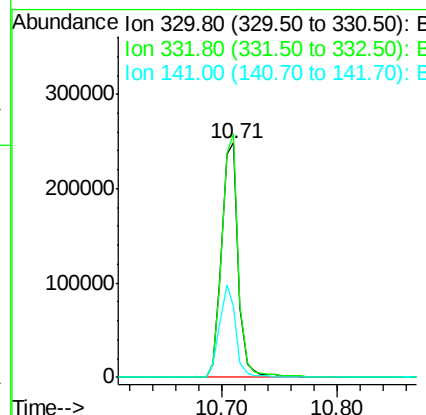
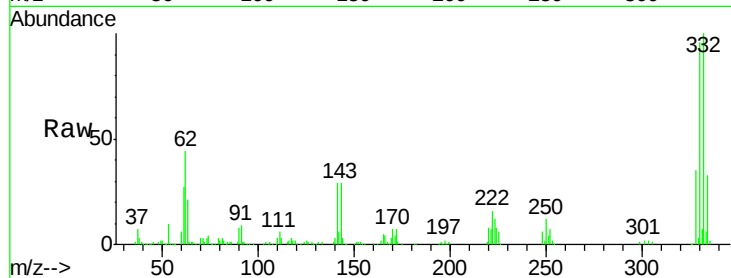




#41
 2,4,6-Tribromophenol
 Concen: 98.432 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103082.D
 Acq: 19 Feb 2018 15:12

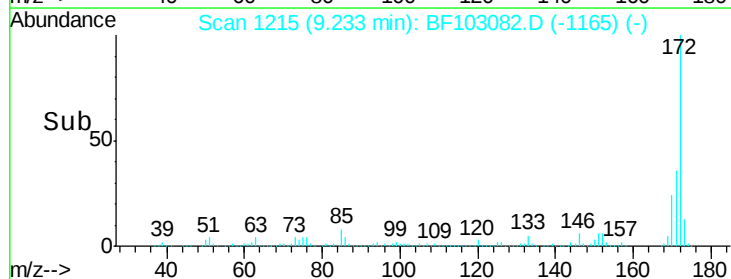
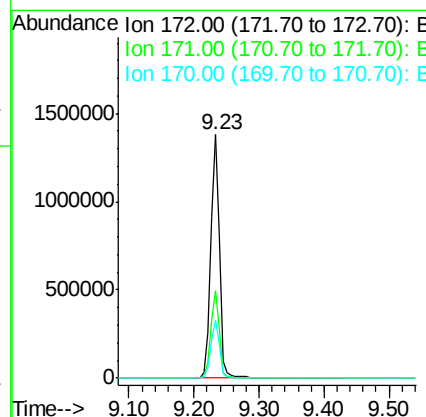
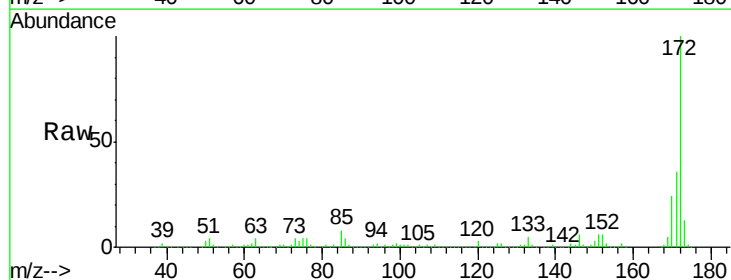
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.1	77.0	115.6
141	38.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 66.656 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103082.D
 Acq: 19 Feb 2018 15:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.1	19.6	29.4





#47

2-Nitroaniline

Concen: 3.608 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.16 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampleId :

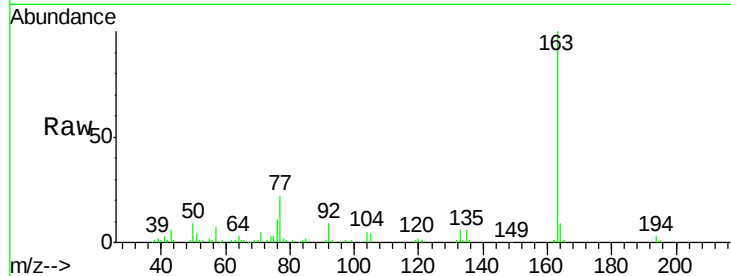
Tot Ion: 65 Resp: 952

Ion Ratio Lower Upper

65 100

92 626.8 55.8 83.6#

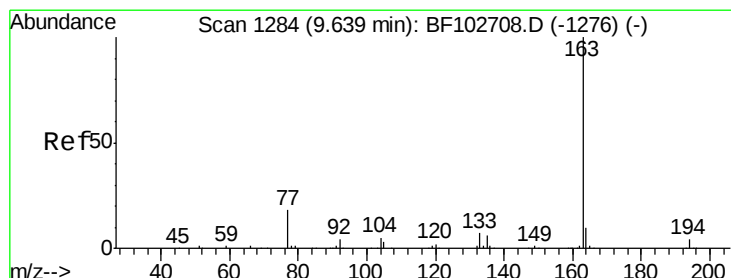
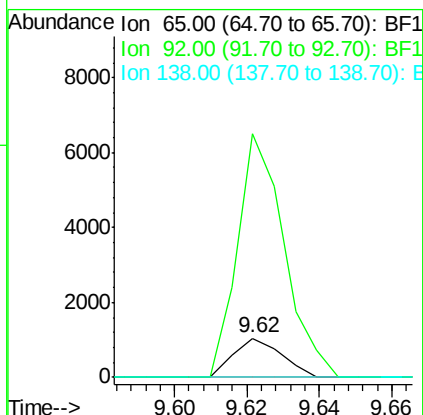
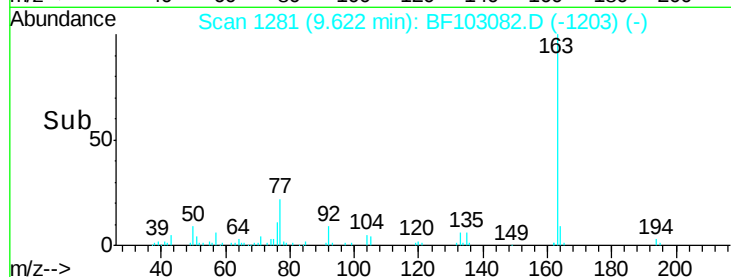
138 0.0 91.2 136.8#



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: 2.997 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

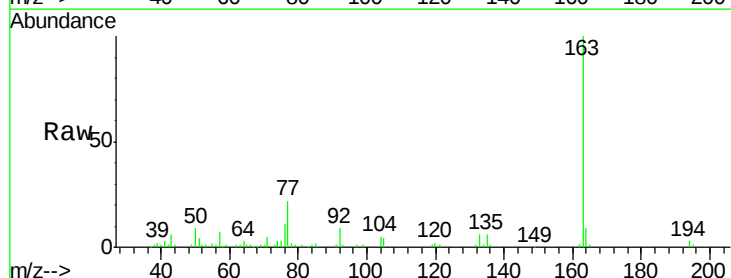
Tgt Ion: 163 Resp: 74033

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

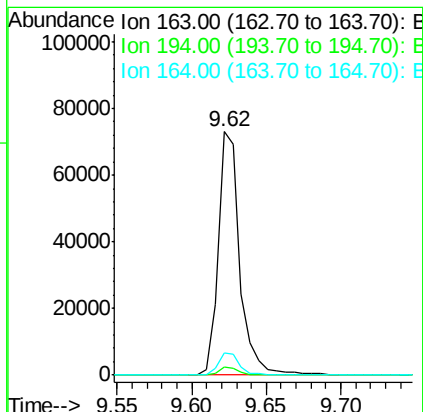
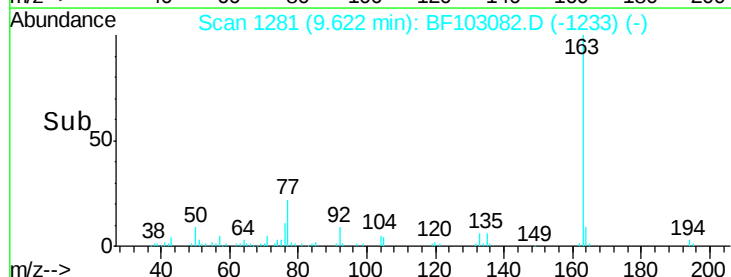
164 9.4 8.2 12.2

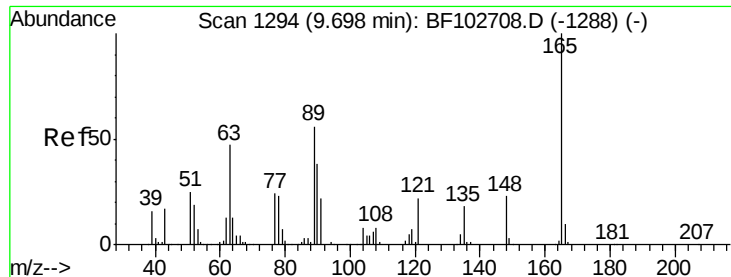


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

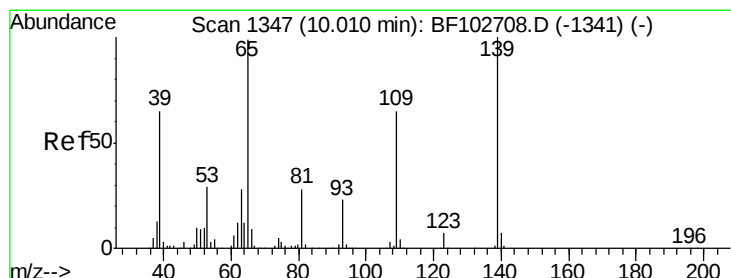
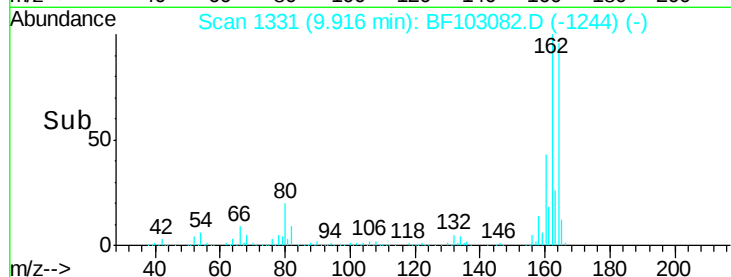
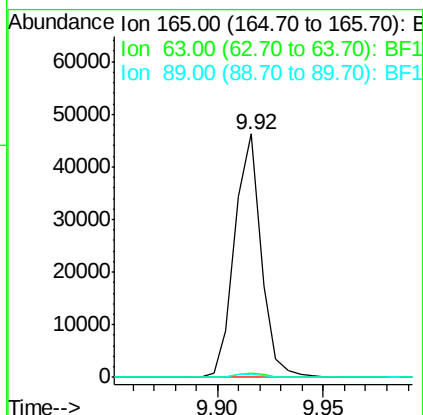
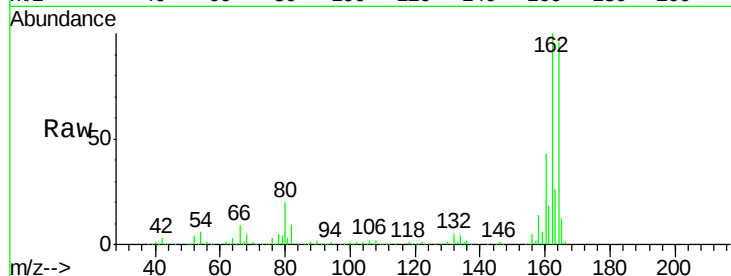




#50
 2,6-Dinitrotoluene
 Concen: 8.517 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103082.D
 Acq: 19 Feb 2018 15:12

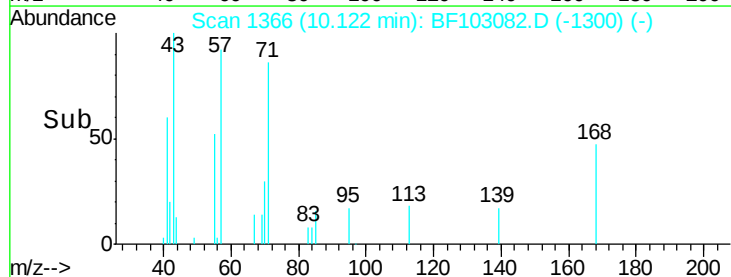
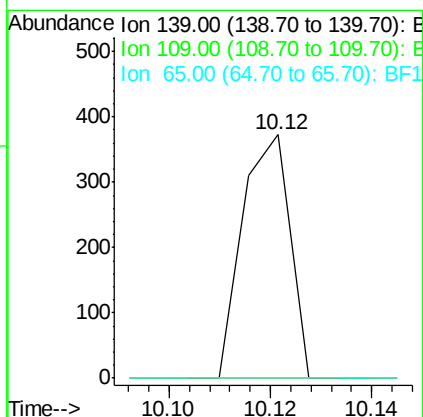
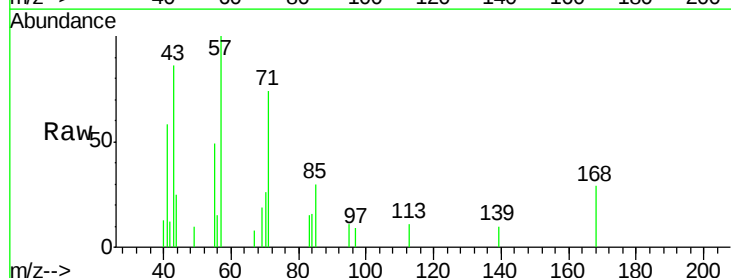
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 40031
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.7 67.1#
 89 1.2 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 4.072 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.09 min
 Lab File: BF103082.D
 Acq: 19 Feb 2018 15:12

Tgt Ion:139 Resp: 241
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#

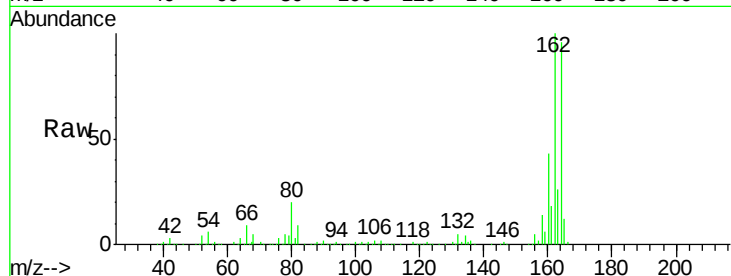




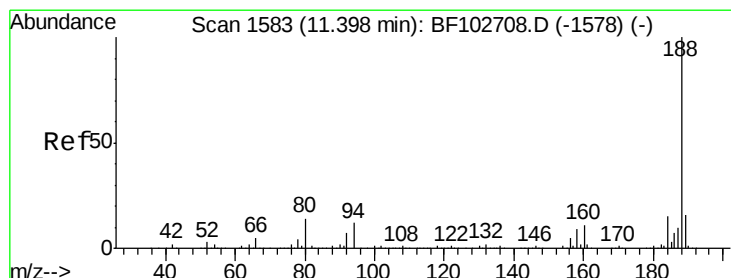
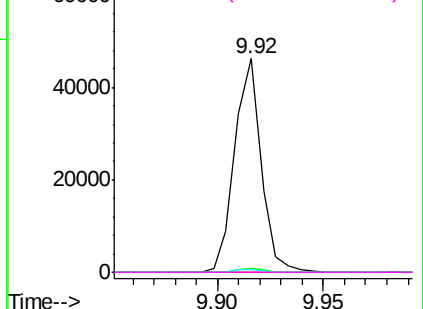
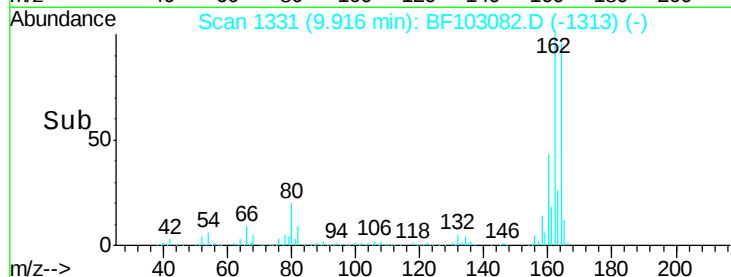
#56
 2,4-Dinitrotoluene
 Concen: 9.019 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103082.D
 Acq: 19 Feb 2018 15:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 40031
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#

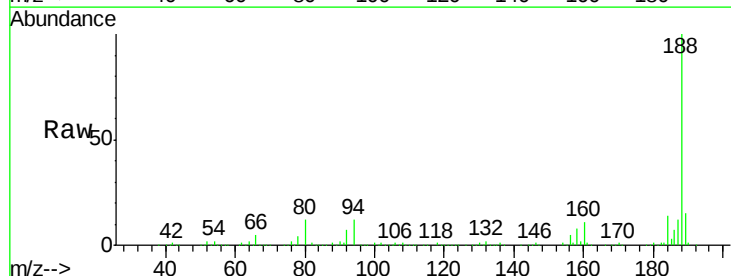


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

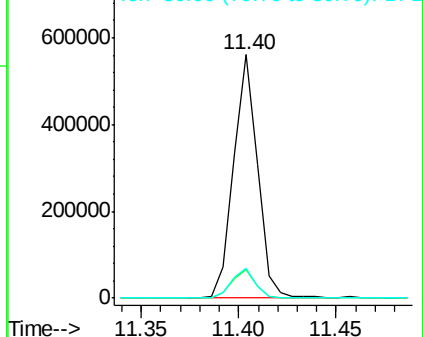
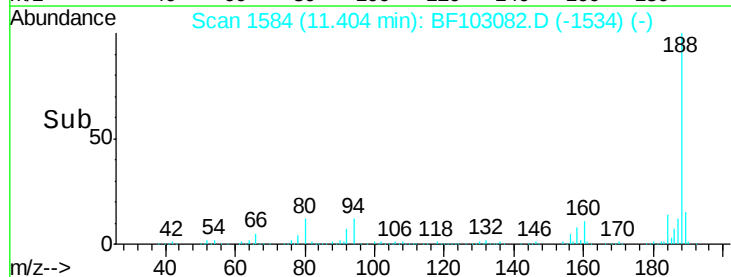


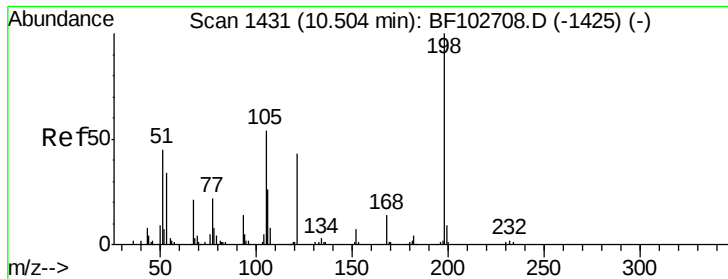
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103082.D
 Acq: 19 Feb 2018 15:12

Tgt Ion:188 Resp: 479382
 Ion Ratio Lower Upper
 188 100
 94 11.8 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: 8.949 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampleId :

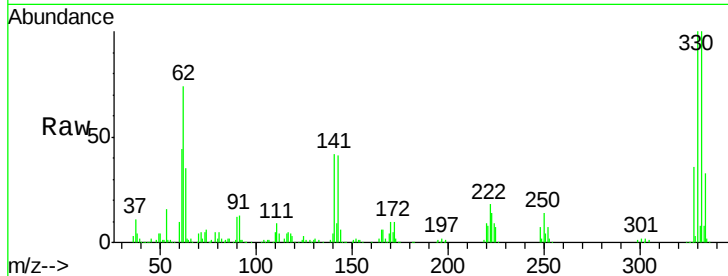
Tot Ion:198 Resp: 339

Ion Ratio Lower Upper

198 100

51 263.8 37.7 77.7#

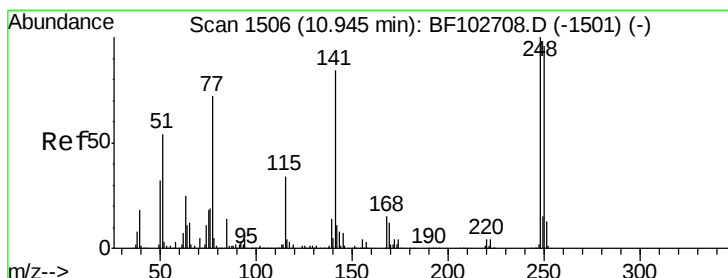
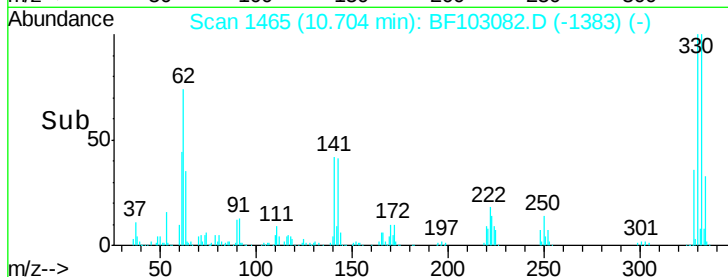
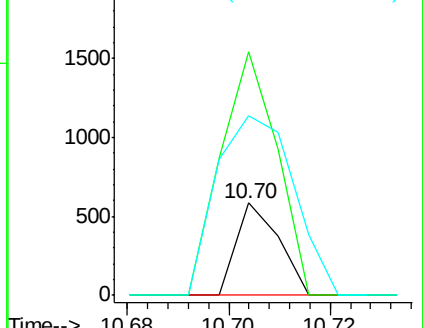
105 194.7 36.3 76.3#



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: 3.282 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

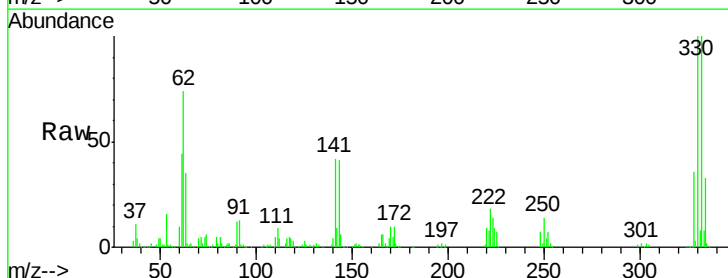
Tgt Ion:248 Resp: 16643

Ion Ratio Lower Upper

248 100

250 197.7 76.9 115.3#

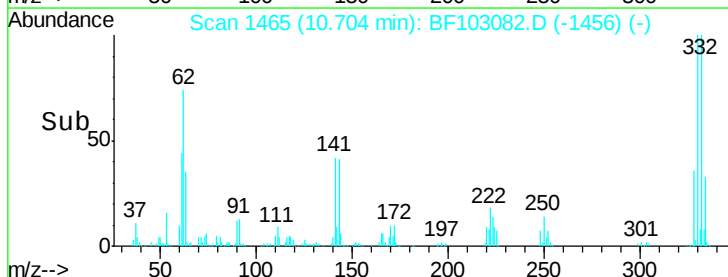
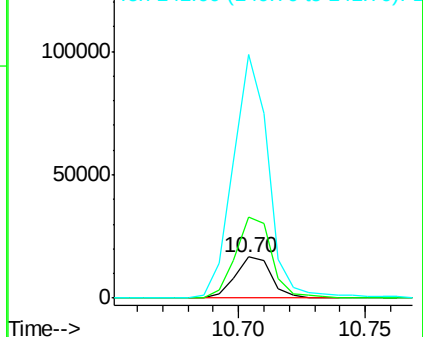
141 589.4 74.4 111.6#

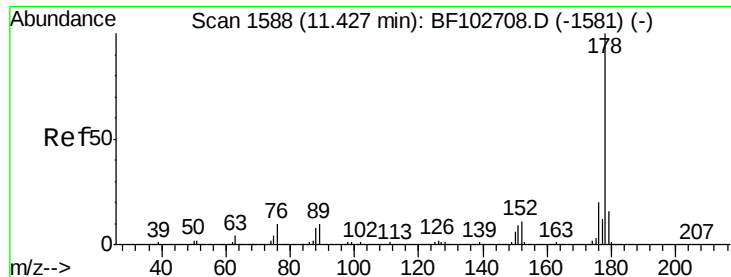


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.046 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampleId :

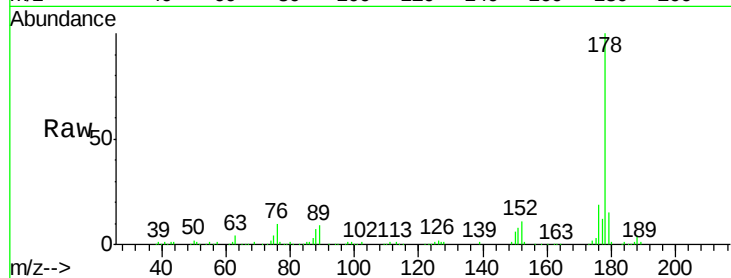
Tot Ion:178 Resp: 108034

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

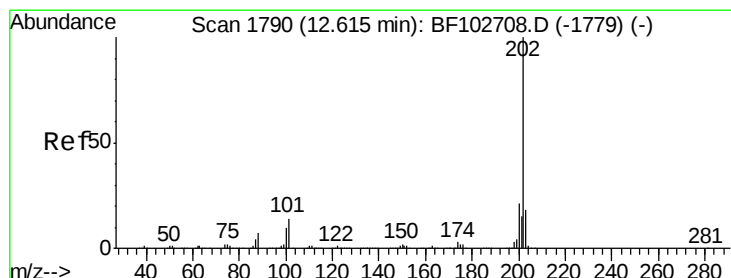
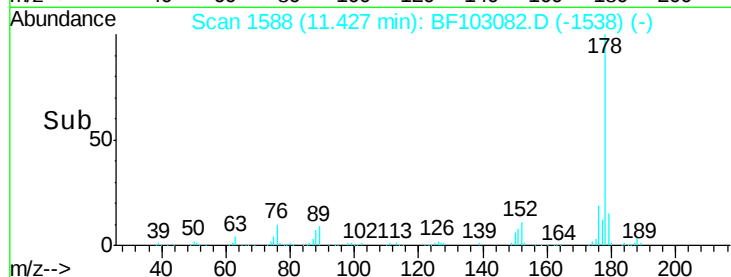
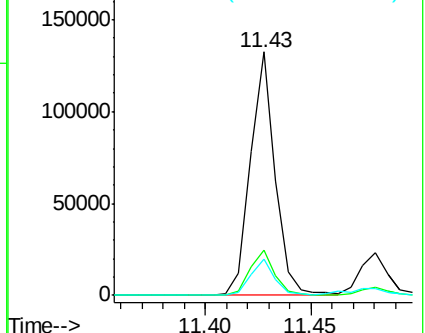
179 15.0 13.0 19.6



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: 6.856 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

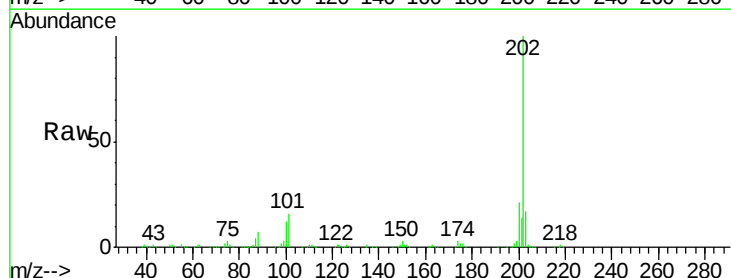
Tgt Ion:202 Resp: 184168

Ion Ratio Lower Upper

202 100

101 16.3 0.0 34.1

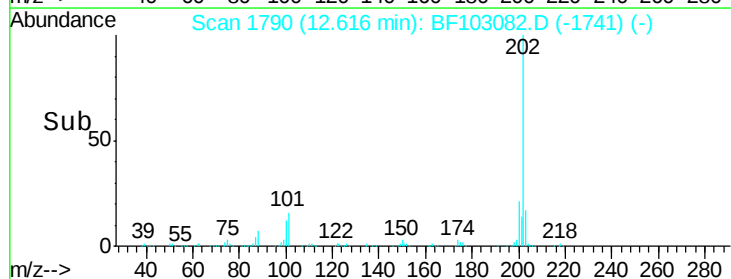
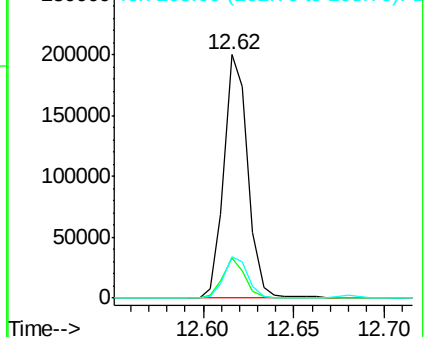
203 17.2 0.0 38.1

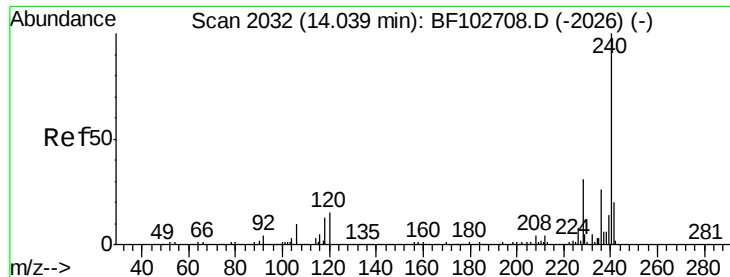


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampleId :

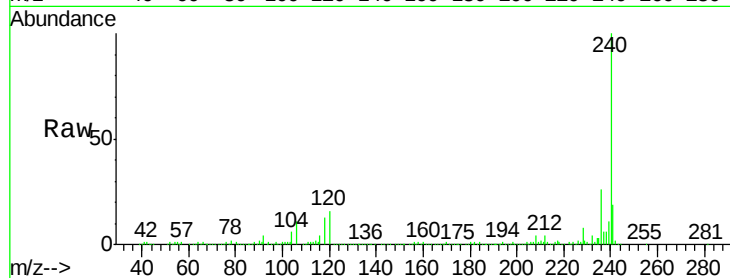
Tot Ion:240 Resp: 314935

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

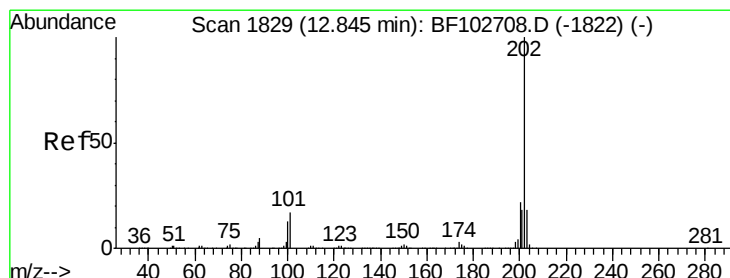
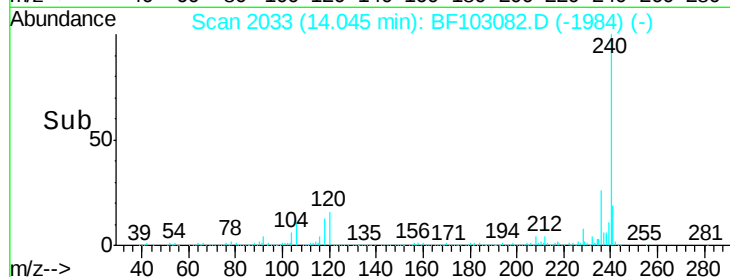
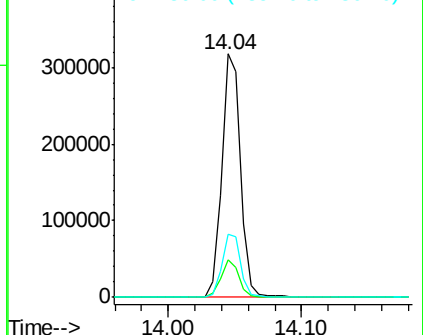
236 26.0 20.7 31.1



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: 5.981 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

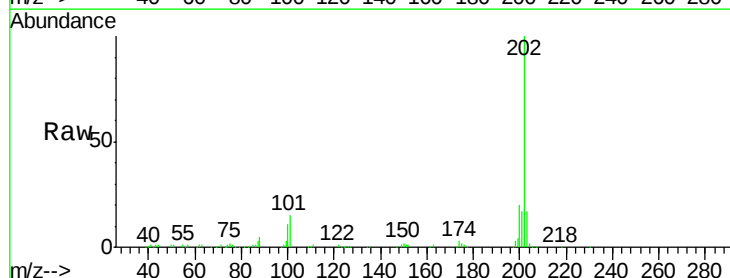
Tgt Ion:202 Resp: 147701

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

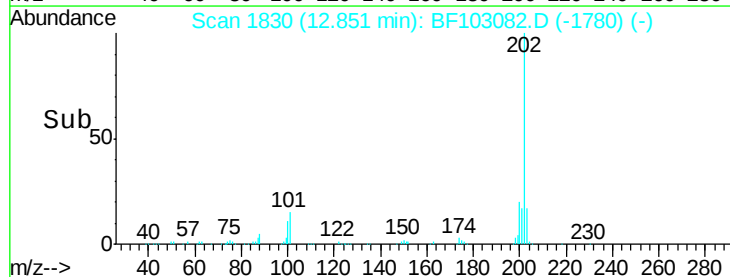
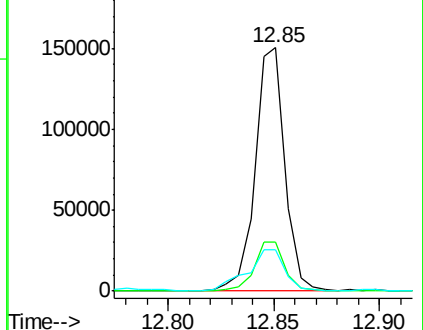
203 17.3 14.3 21.5

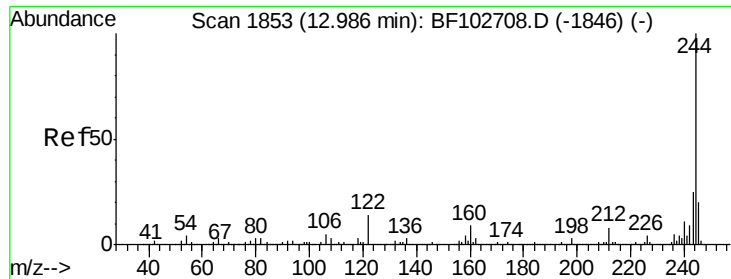


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.611 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampled :

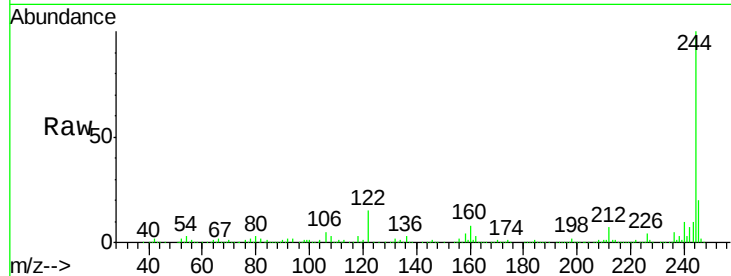
Tot Ion:244 Resp: 859390

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

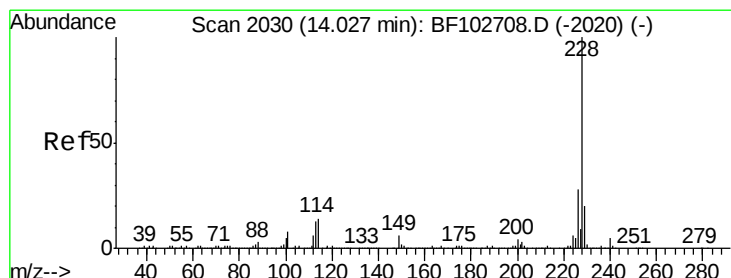
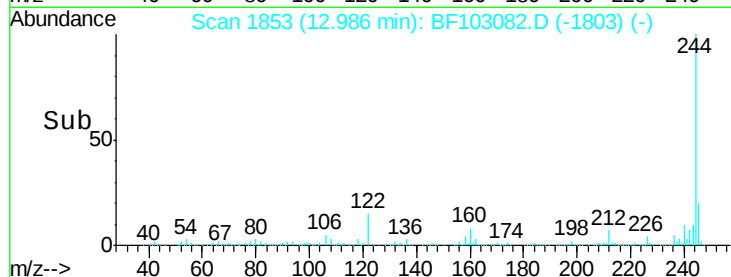
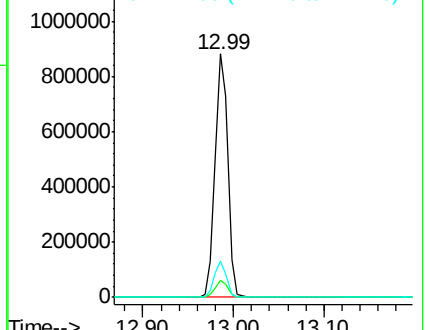
122 14.7 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 3.281 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

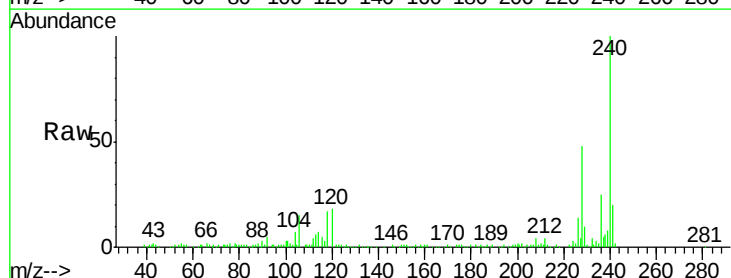
Tgt Ion:228 Resp: 64977

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

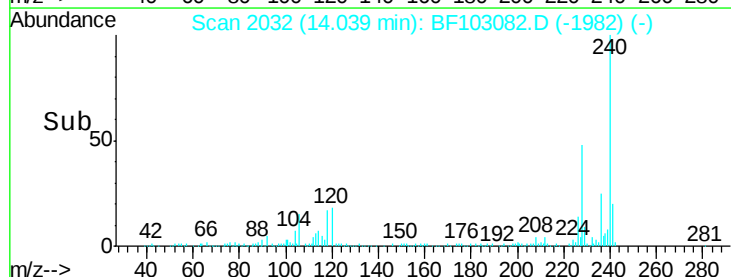
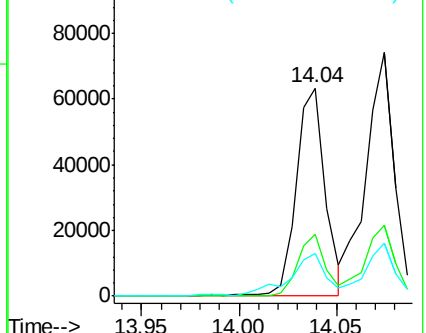
229 20.4 15.8 23.6

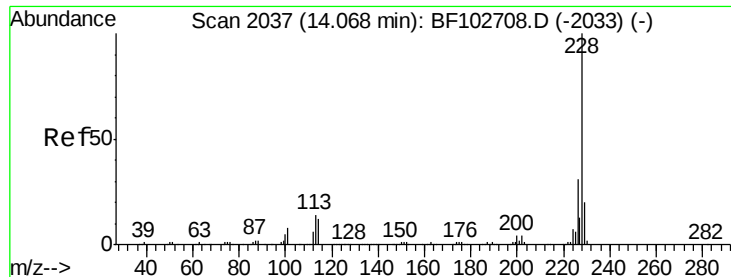


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

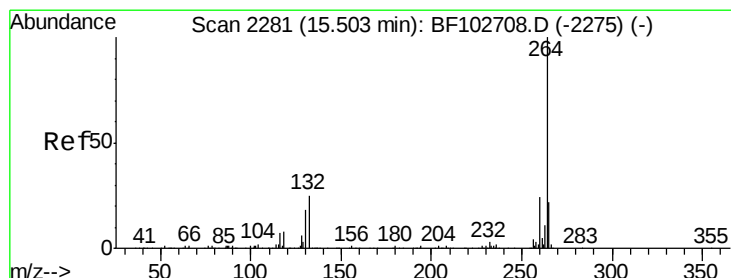
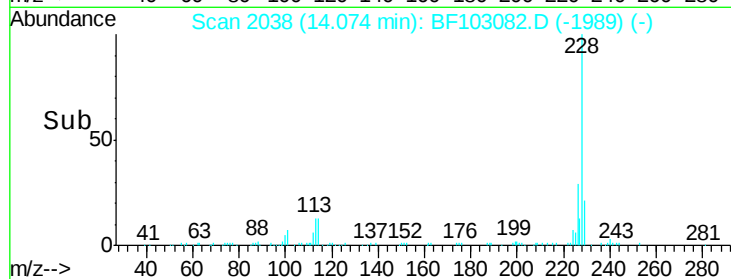
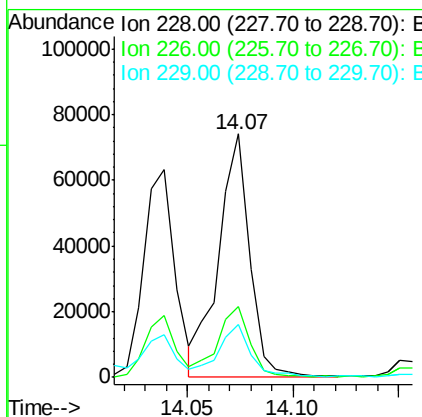
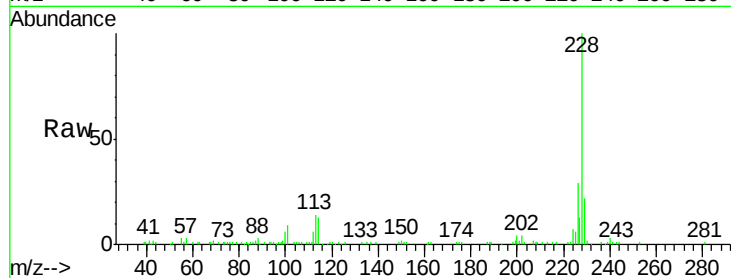




#82
Chrysene
Concen: 3.817 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103082.D
Acq: 19 Feb 2018 15:12

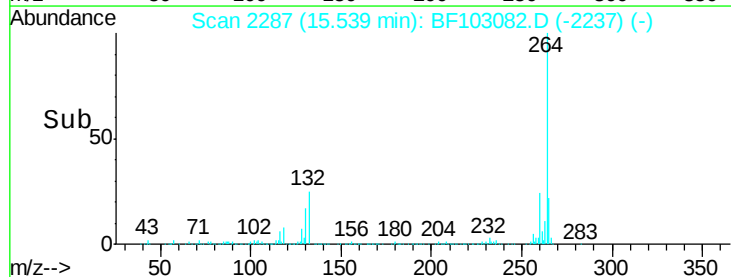
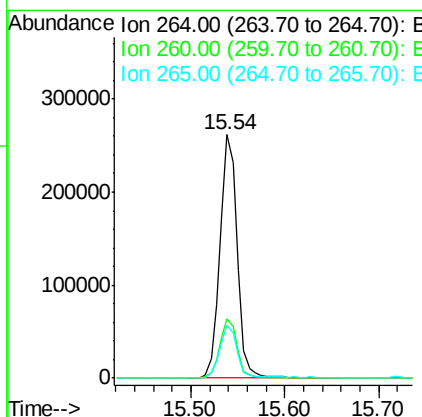
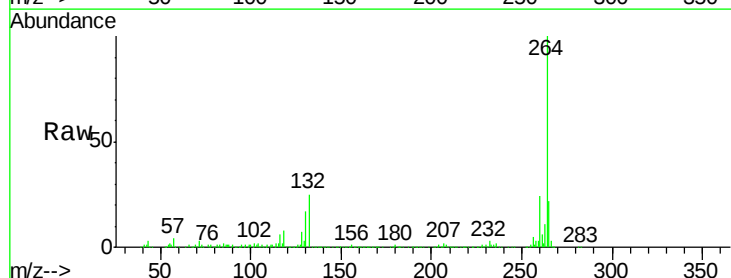
Instrument :
BNA_F
ClientSampled :

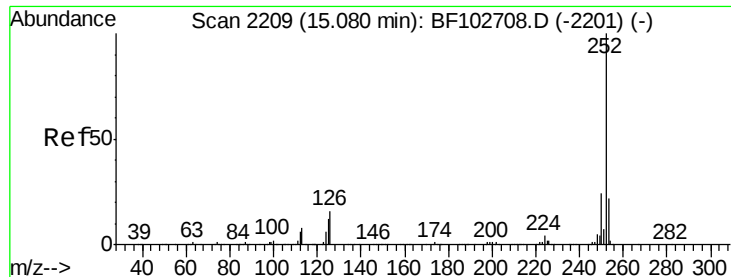
Tot Ion:228 Resp: 76203
Ion Ratio Lower Upper
228 100
226 29.0 25.0 37.6
229 21.6 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103082.D
Acq: 19 Feb 2018 15:12

Tgt Ion:264 Resp: 336212
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 5.996 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampleId :

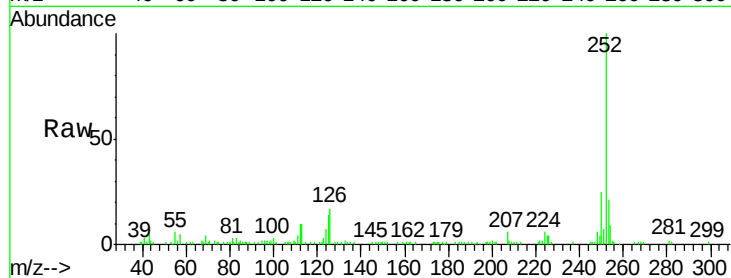
Tot Ion:252 Resp: 130706

Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

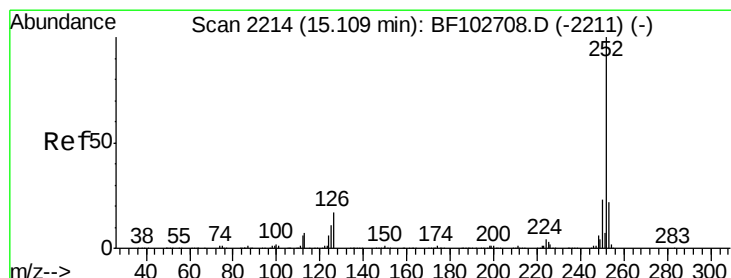
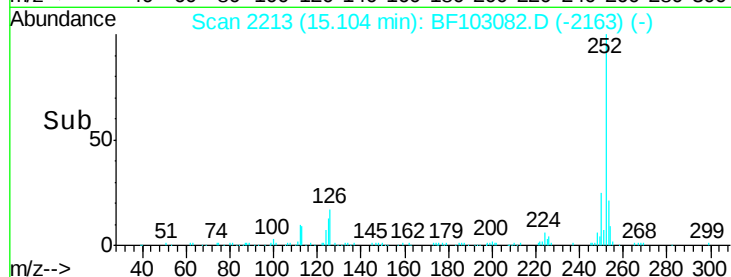
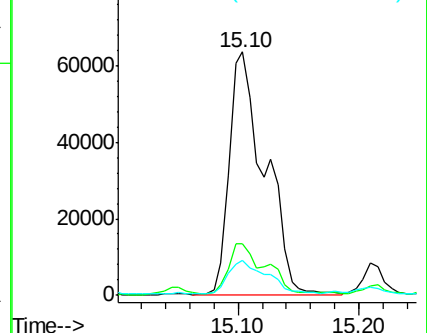
125 14.1 9.0 13.6#



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: 6.276 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.04 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

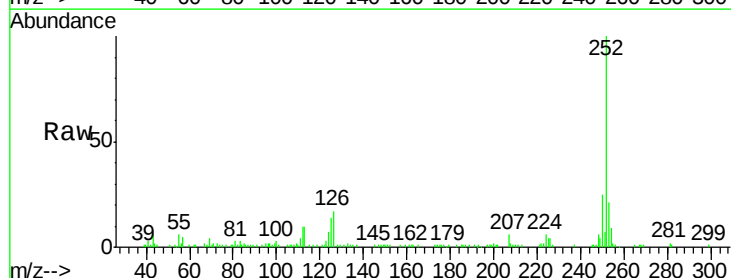
Tgt Ion:252 Resp: 130706

Ion Ratio Lower Upper

252 100

253 21.3 17.9 26.9

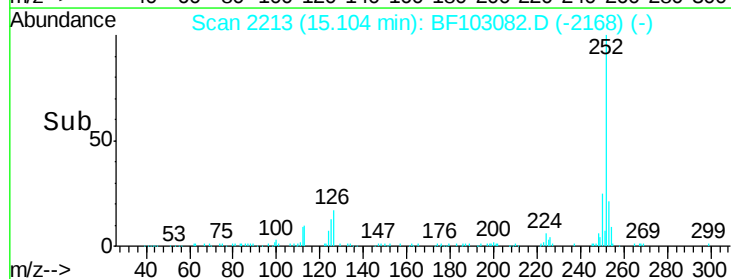
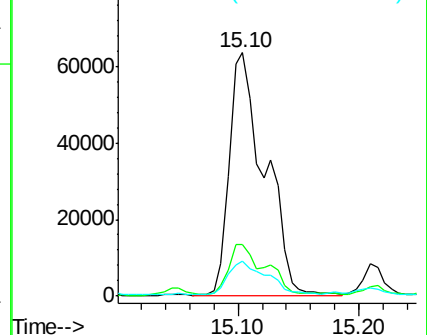
125 14.1 10.2 15.2

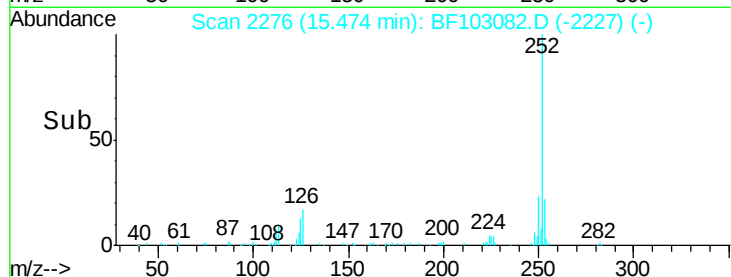
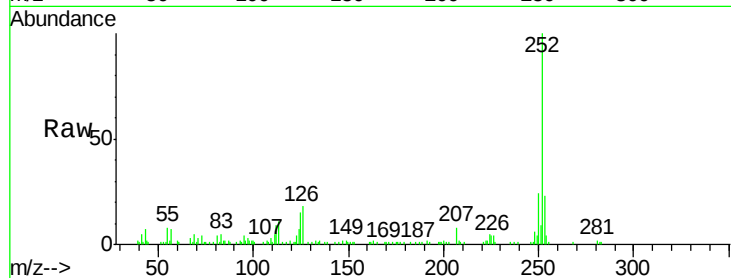
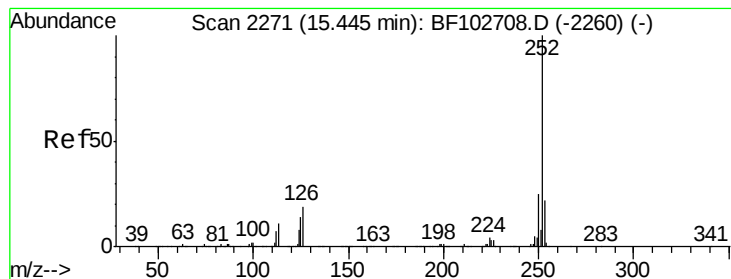


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.930 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BF103082.D

Acq: 19 Feb 2018 15:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 57491

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 15.0 9.8 14.6

