

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103079.D
 Acq On : 19 Feb 2018 13:52
 Operator : SJ/JU
 Sample : J1392-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 16:15:14 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	166687	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	660306	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	257185	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	372943	20.00	ng	0.00
75) Chrysene-d12	14.05	240	313969	20.00	ng	0.00
86) Perylene-d12	15.54	264	345022	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1178572	107.38	ng	0.01
7) Phenol-d6	6.52	99	1369949	103.66	ng	0.00
23) Nitrobenzene-d5	7.45	82	890098	93.51	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	216727	104.70	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1185706	76.50	ng	0.00
78) Terphenyl-d14	13.00	244	797132	60.12	ng	0.00

Target Compounds

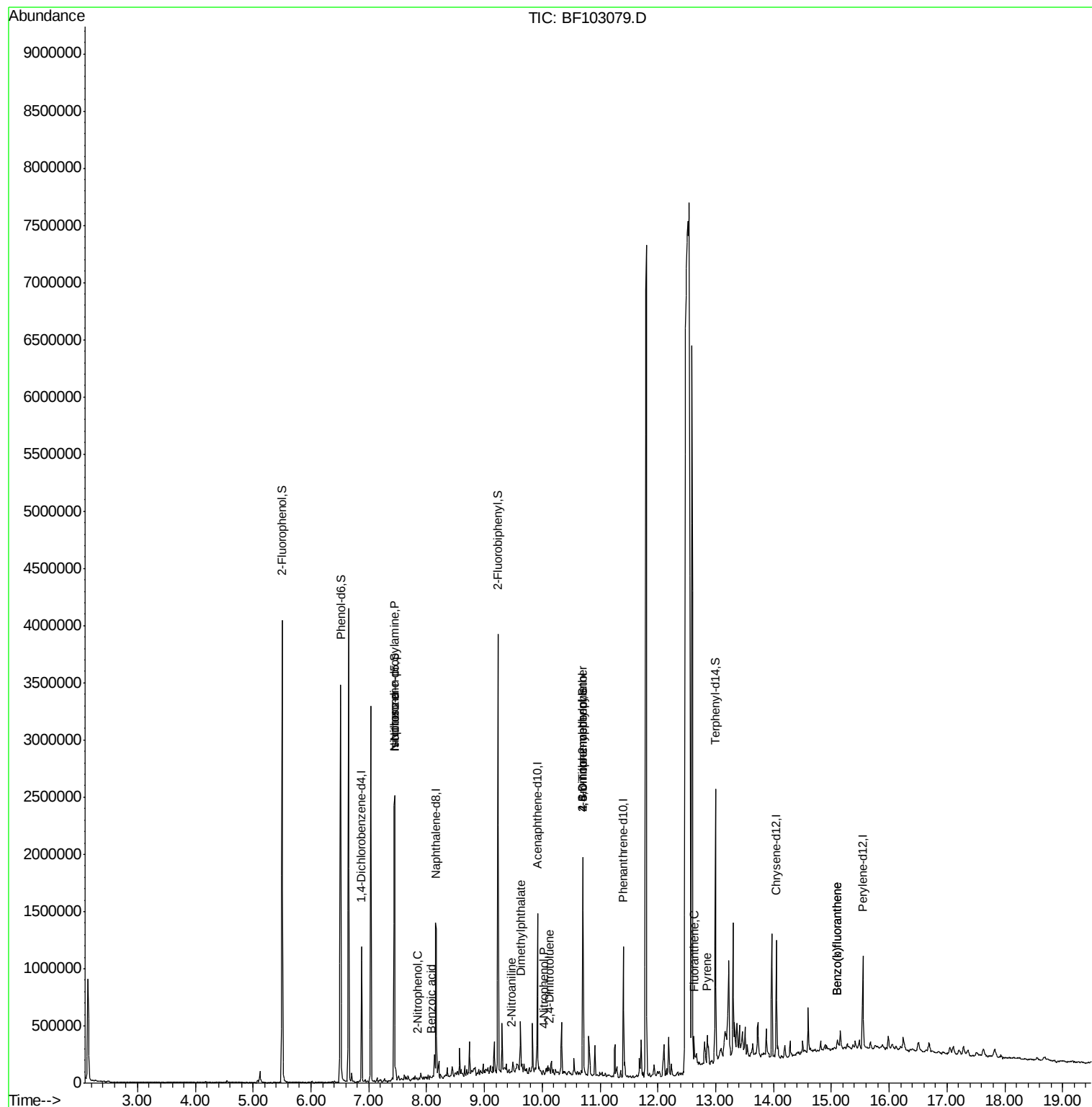
						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	116459	13.365	ng	# 79
25) Isophorone	7.45	82	890098	40.611	ng	# 64
26) 2-Nitrophenol	7.85	139	111	8.686	ng	# 1
32) Benzoic acid	8.07	122	132	8.562	ng	# 64
47) 2-Nitroaniline	9.46	65	352	3.534	ng	# 17
49) Dimethylphthalate	9.62	163	70603	3.521	ng	99
55) 4-Nitrophenol	10.03	139	573	4.165	ng	# 1
56) 2,4-Dinitrotoluene	10.12	165	1279	3.309	ng	# 72
64) 4,6-Dinitro-2-methylphenol	10.70	198	472	9.074	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14418	3.655	ng	# 1
74) Fluoranthene	12.62	202	79817	3.819	ng	98
77) Pylene	12.86	202	65833	2.674	ng	96
87) Benzo(b)fluoranthene	15.10	252	63694	2.847	ng	# 87
88) Benzo(k)fluoranthene	15.10	252	63694	2.980	ng	# 90

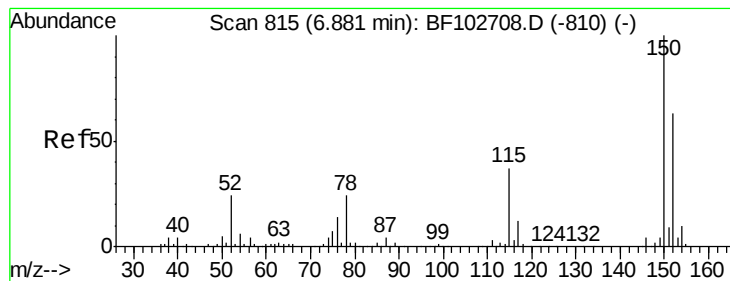
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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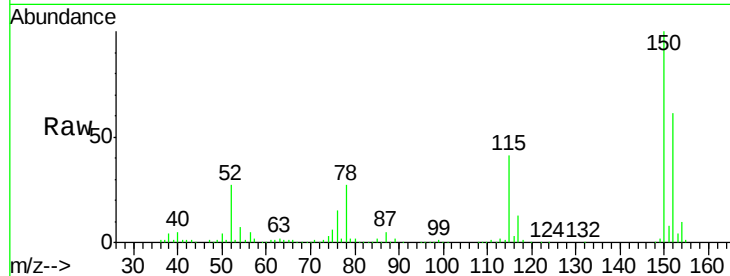


#1

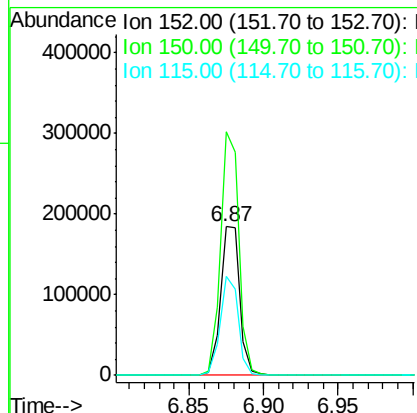
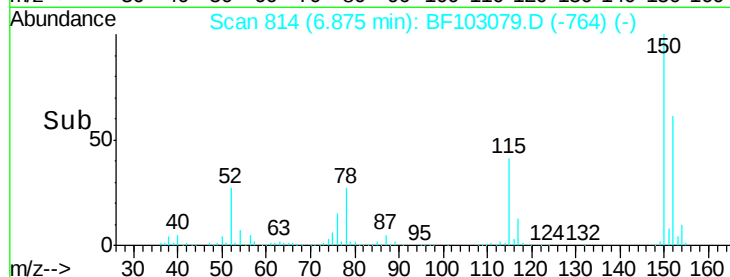
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103079.D
Acq: 19 Feb 2018 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 166687
Ion Ratio Lower Upper
152 100
150 164.2 124.6 186.8
115 67.2 50.1 75.1



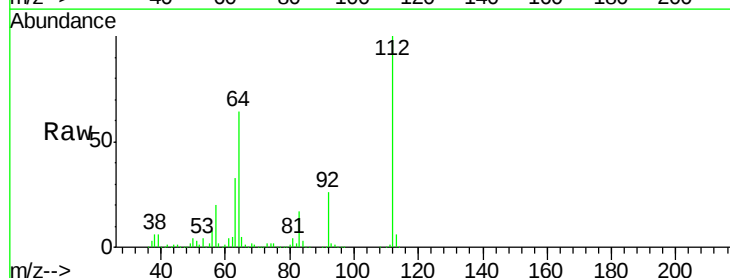
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



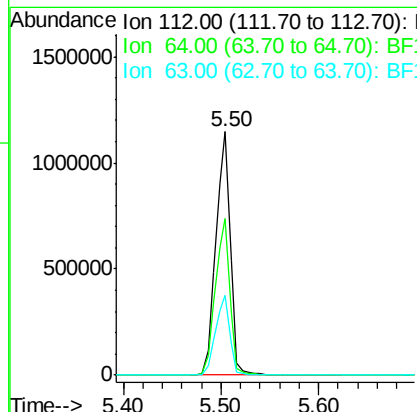
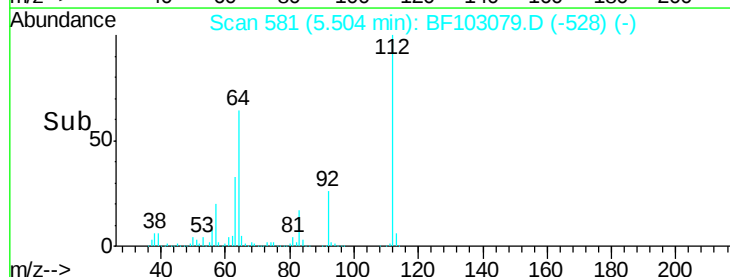
#5

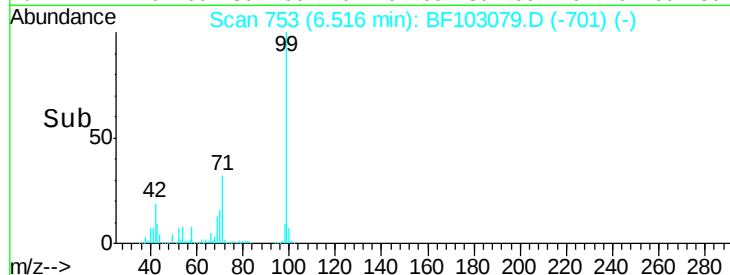
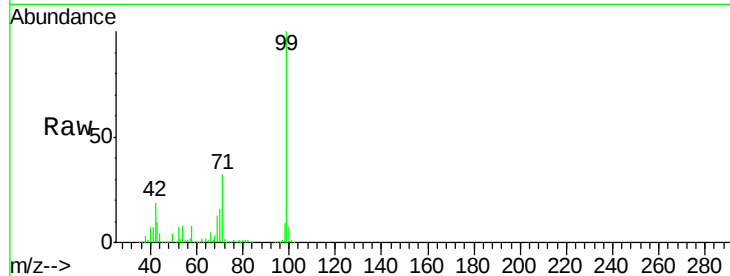
2-Fluorophenol
Concen: 107.378 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103079.D
Acq: 19 Feb 2018 13:52

Tgt Ion:112 Resp: 1178572
Ion Ratio Lower Upper
112 100
64 64.1 47.9 71.9
63 32.5 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: 103.661 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

Instrument :

BNA_F

ClientSampleId :

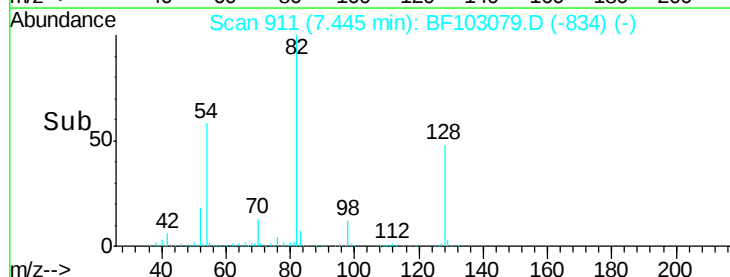
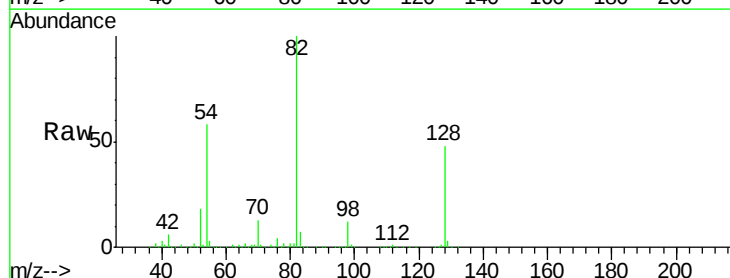
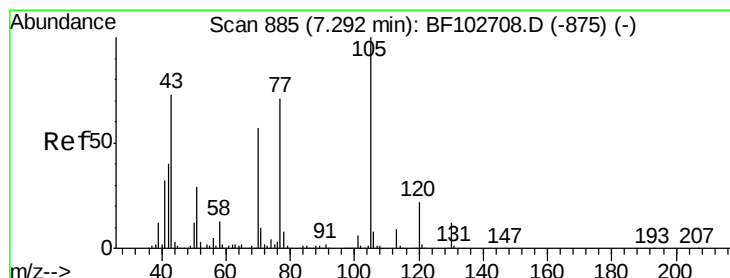
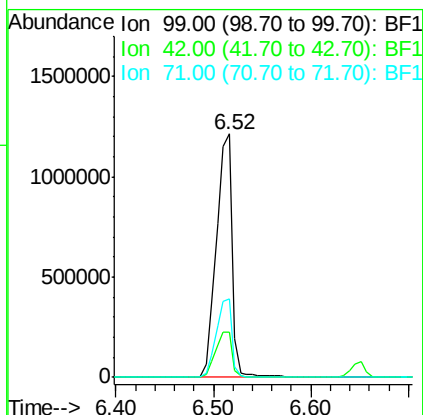
Tot Ion: 99 Resp: 1369949

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.365 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

Tgt Ion: 70 Resp: 116459

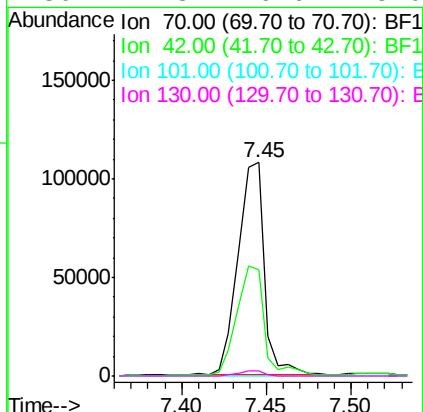
Ion Ratio Lower Upper

70 100

42 49.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 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: BF103079.D

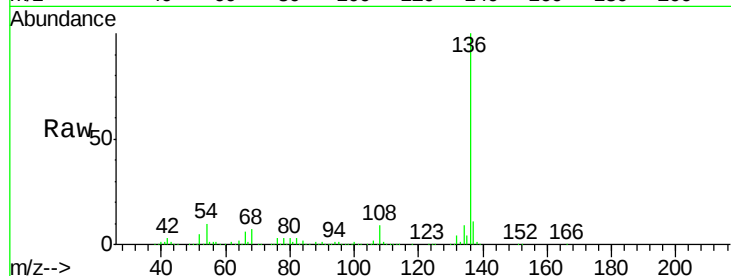
Acq: 19 Feb 2018 13:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	660306
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	9.9	6.6 9.8#
68	7.0	5.0 7.4

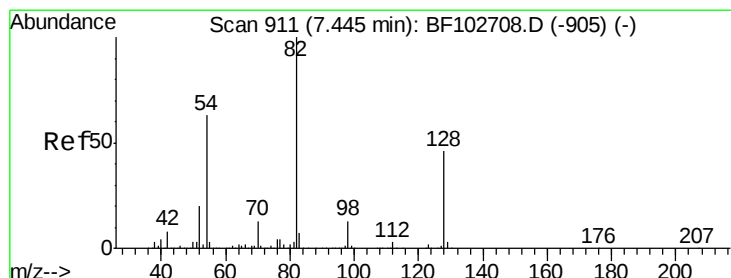
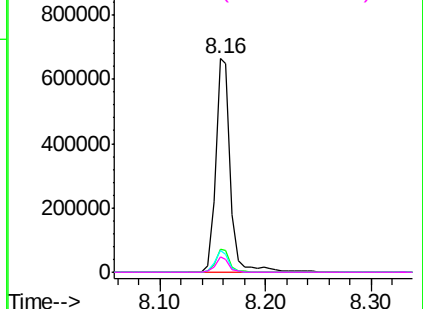
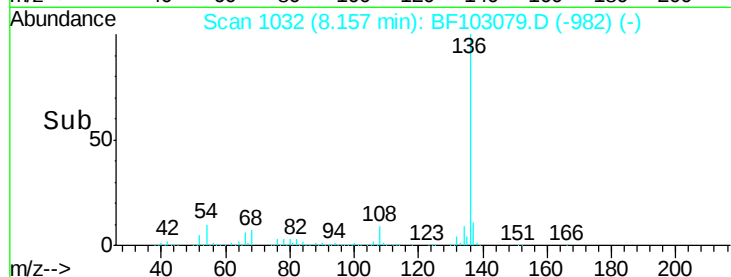


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.512 ng

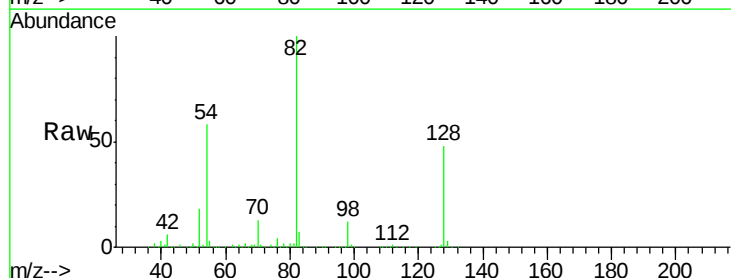
RT: 7.45 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

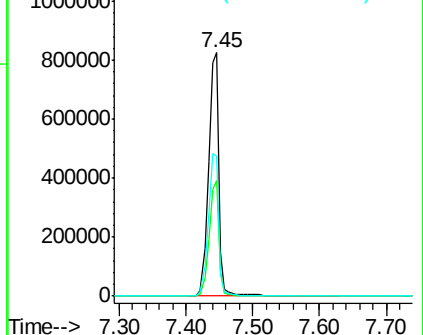
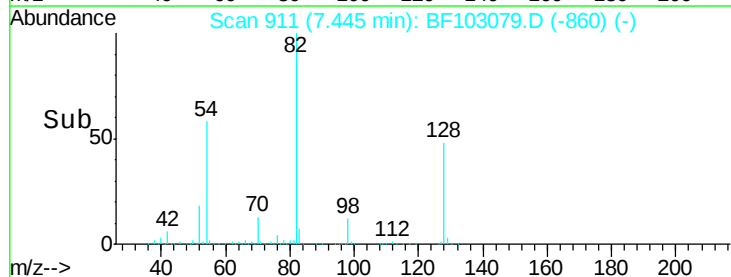
Tgt Ion: 82	Resp:	890098
Ion Ratio	Lower	Upper
82	100	
128	47.7	36.1 54.1
54	57.6	41.4 62.2

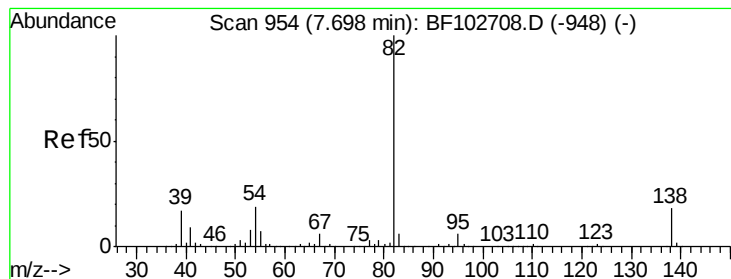


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.611 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

Instrument :

BNA_F

ClientSampleId :

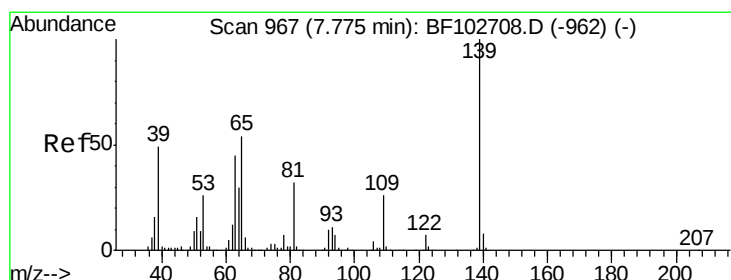
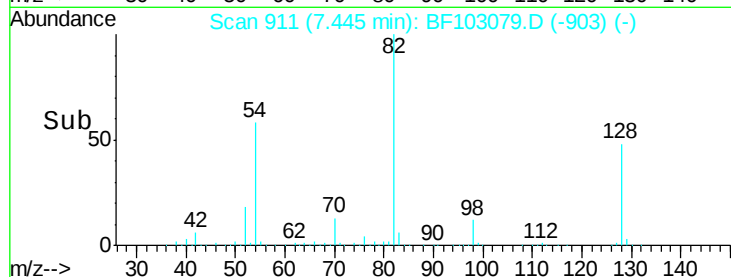
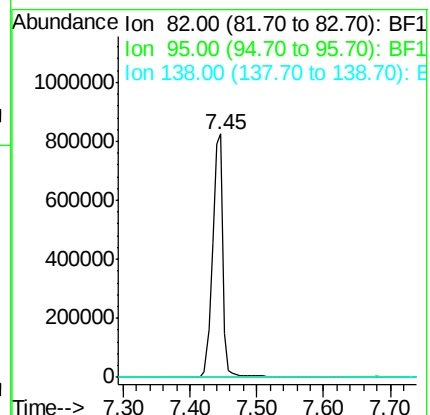
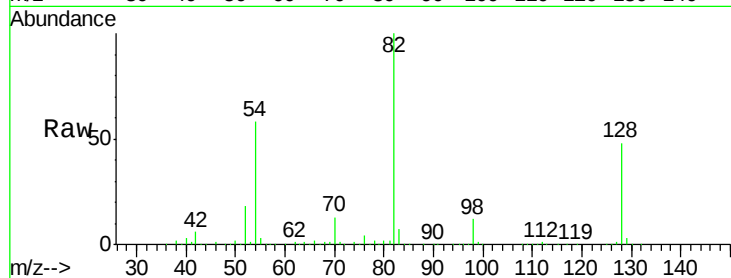
Tot Ion: 82 Resp: 890098

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#26

2-Nitrophenol

Concen: 8.686 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.06 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

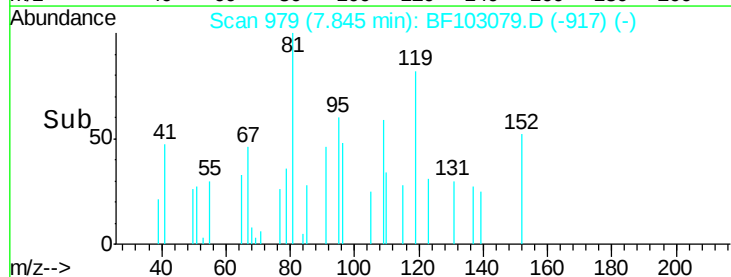
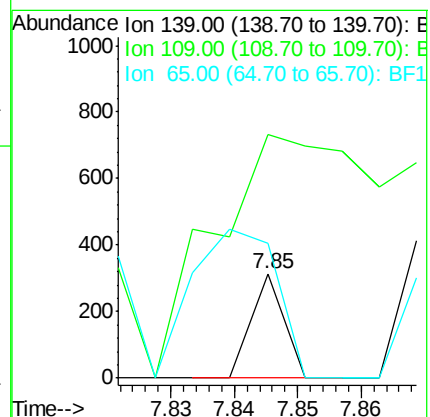
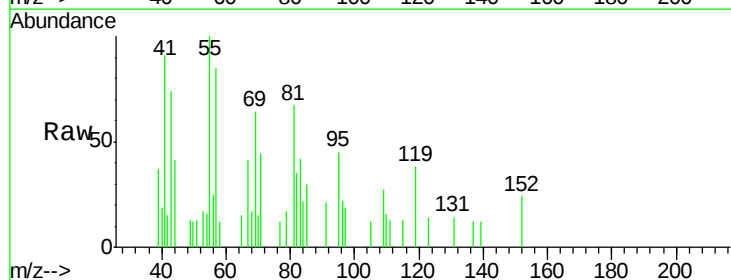
Tgt Ion: 139 Resp: 111

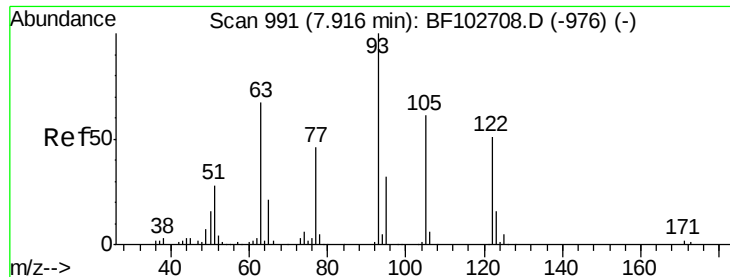
Ion Ratio Lower Upper

139 100

109 233.1 22.7 34.1#

65 128.7 40.5 60.7#





#32

Benzoic acid

Concen: 8.562 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.13 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

Instrument :

BNA_F

ClientSampled :

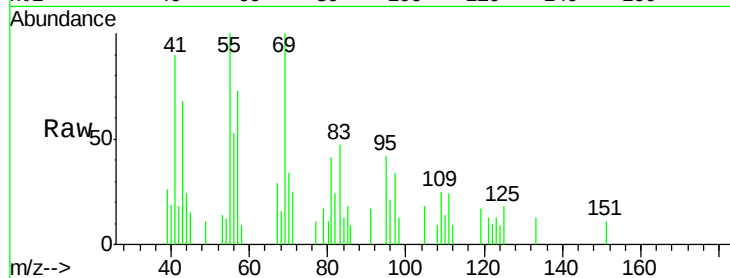
Tot Ion:122 Resp: 132

Ion Ratio Lower Upper

122 100

105 175.3 101.1 141.1#

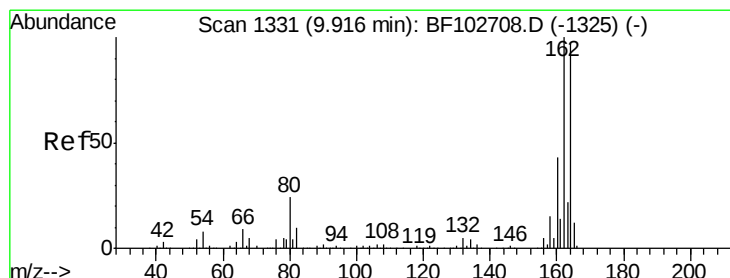
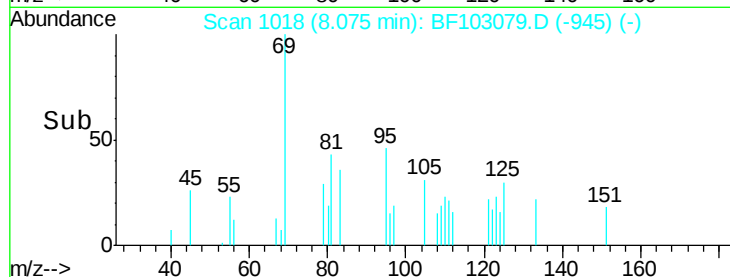
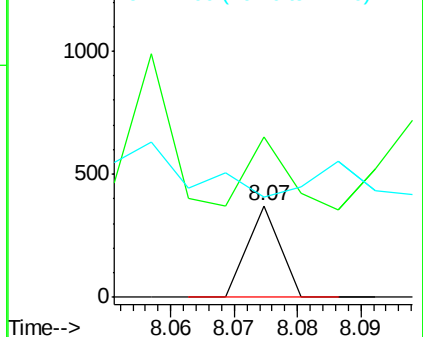
77 109.4 70.7 110.7



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

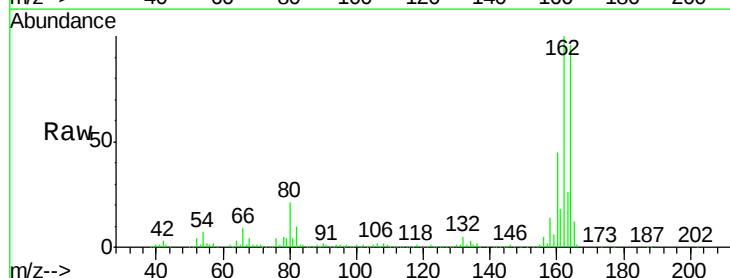
Tgt Ion:164 Resp: 257185

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

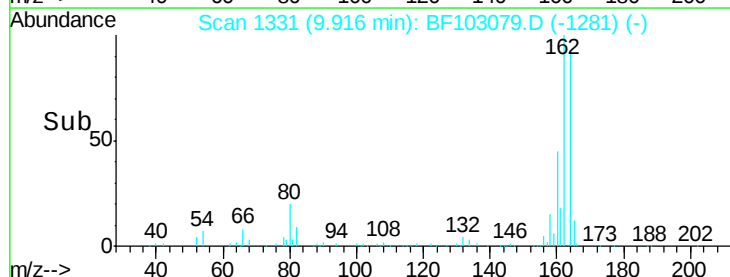
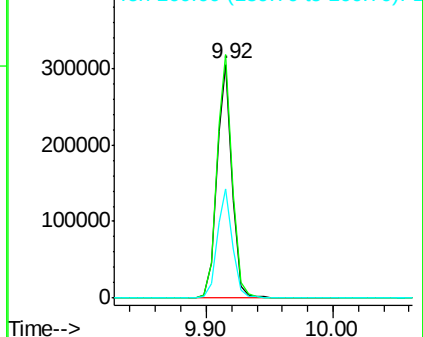
160 46.7 38.3 57.5

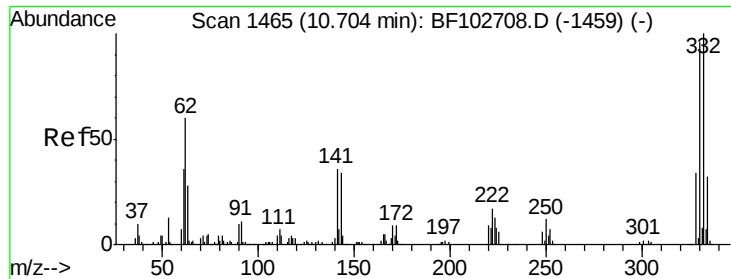


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

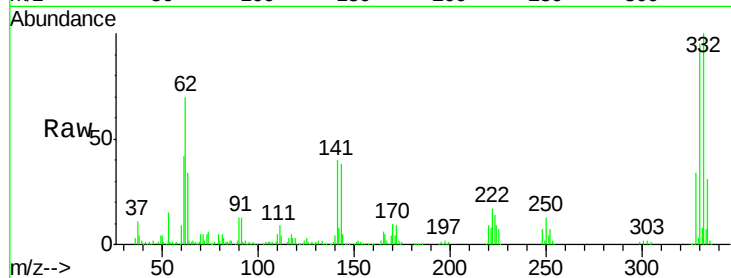




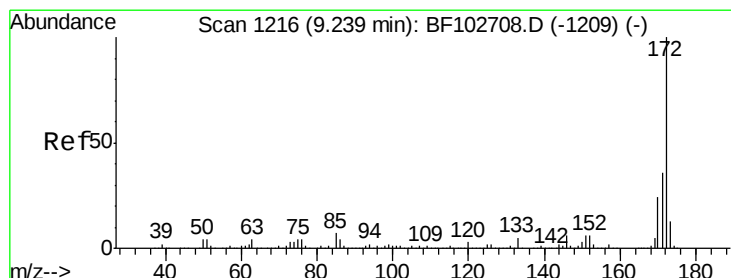
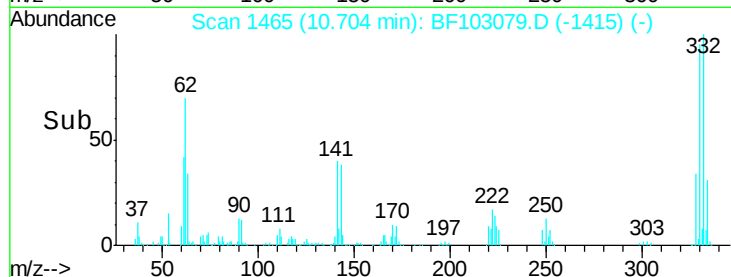
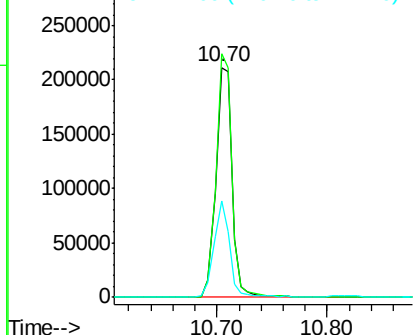
#41
 2,4,6-Tribromophenol
 Concen: 104.697 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103079.D
 Acq: 19 Feb 2018 13:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.6	77.0	115.6
141	39.7	29.9	44.9

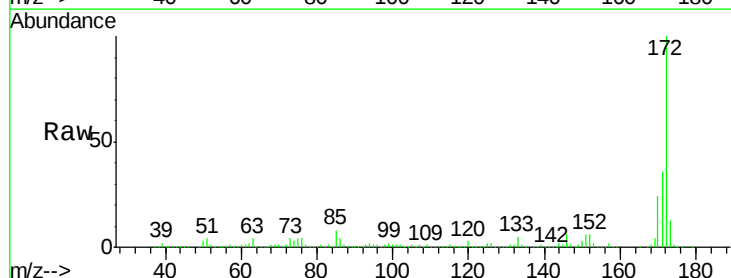


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

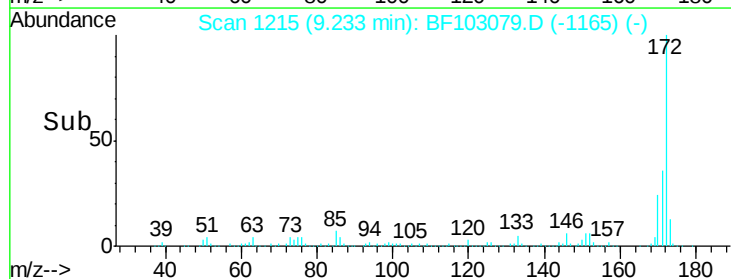
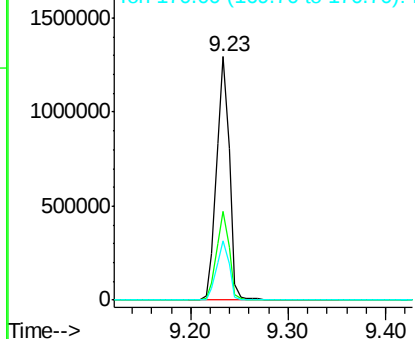


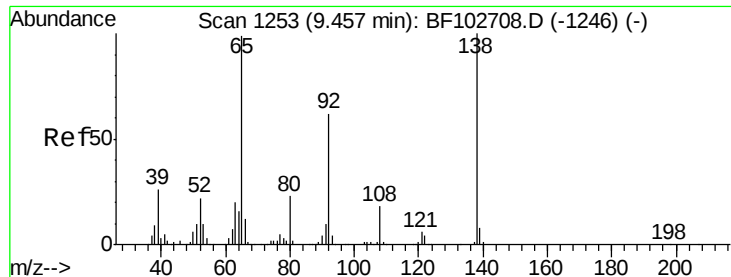
#44
 2-Fluorobiphenyl
 Concen: 76.502 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103079.D
 Acq: 19 Feb 2018 13:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	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: 3.534 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

Instrument :

BNA_F

ClientSampled :

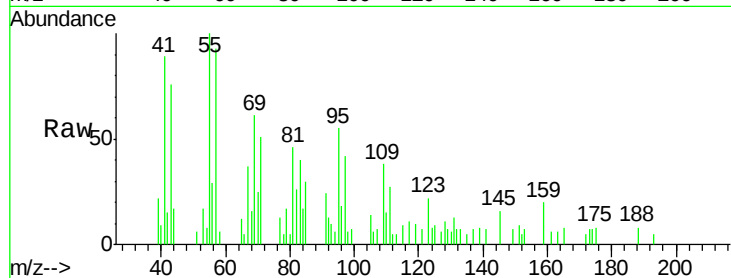
Tot Ion: 65 Resp: 352

Ion Ratio Lower Upper

65 100

92 108.1 55.8 83.6#

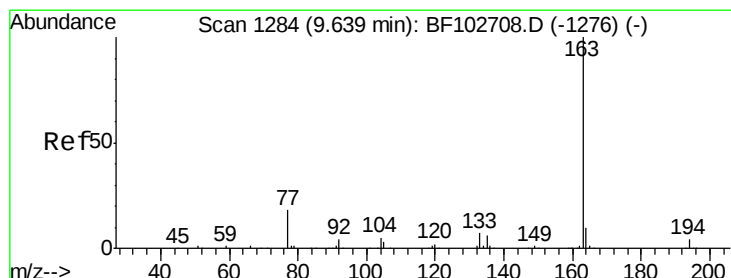
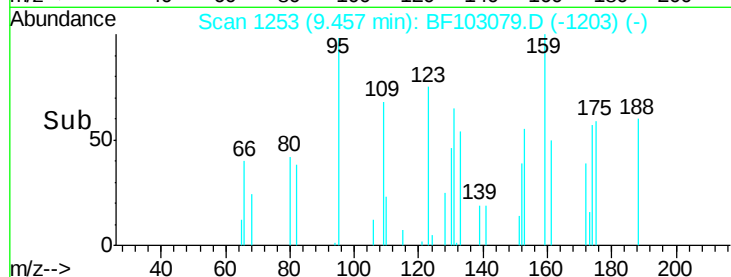
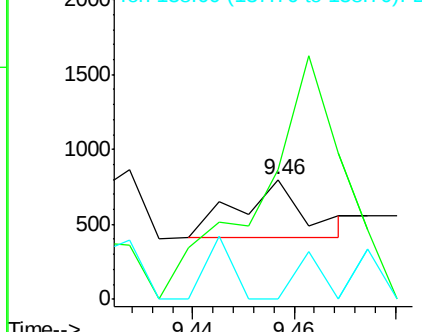
138 0.0 91.2 136.8#



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: 3.521 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

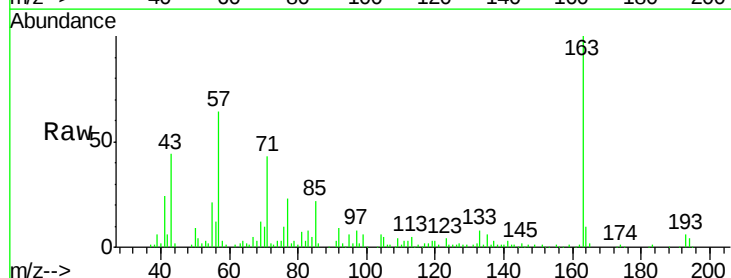
Tgt Ion: 163 Resp: 70603

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

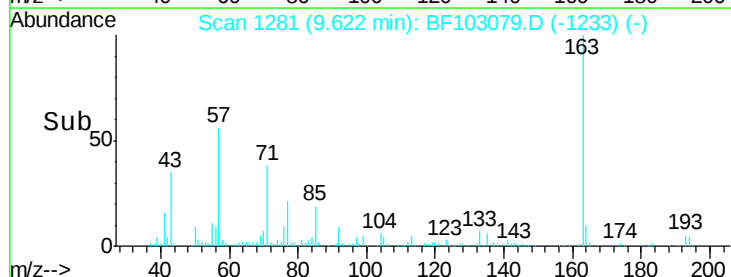
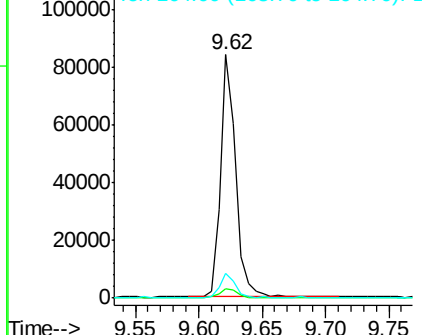
164 10.2 8.2 12.2

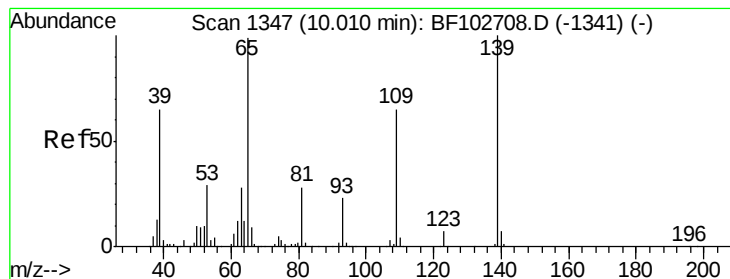


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 4.165 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

Instrument :

BNA_F

ClientSampleId :

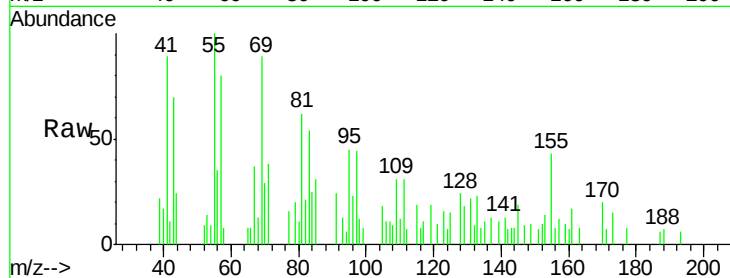
Tot Ion:139 Resp: 573

Ion Ratio Lower Upper

139 100

109 280.8 48.4 88.4#

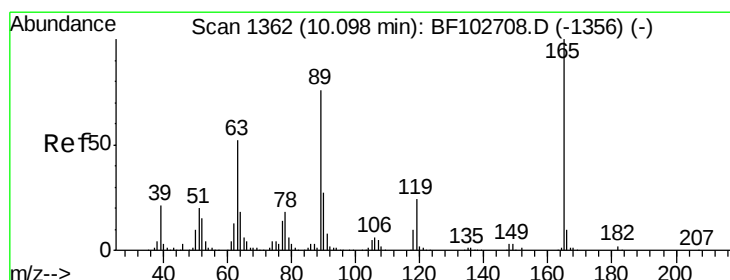
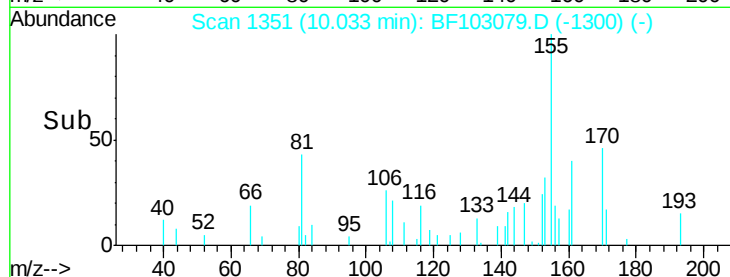
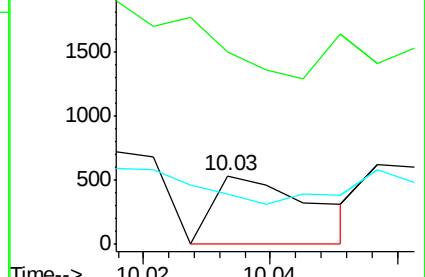
65 73.1 72.6 112.6



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: 3.309 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.01 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

Tgt Ion:165 Resp: 1279

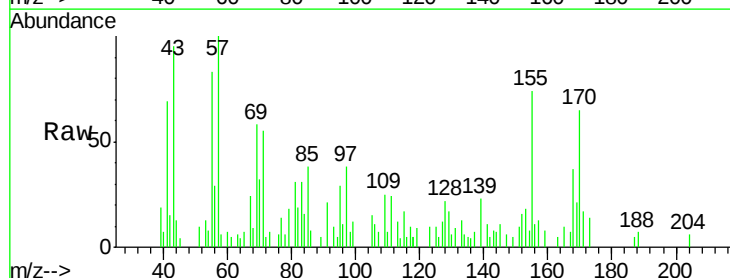
Ion Ratio Lower Upper

165 100

63 62.9 36.4 54.6#

89 48.0 57.8 86.6#

182 0.0 1.6 2.4#

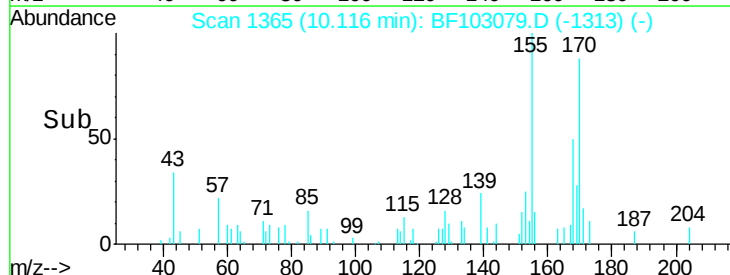
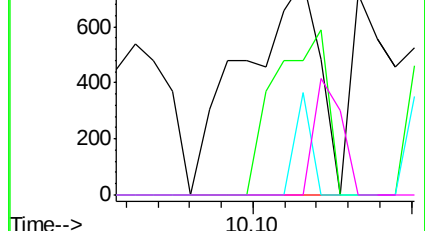


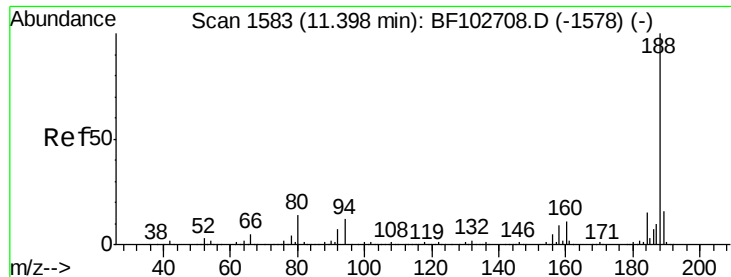
Abundance Ion 165.00 (164.70 to 165.70): E

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

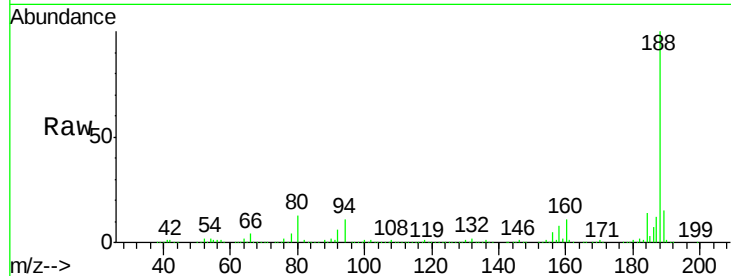




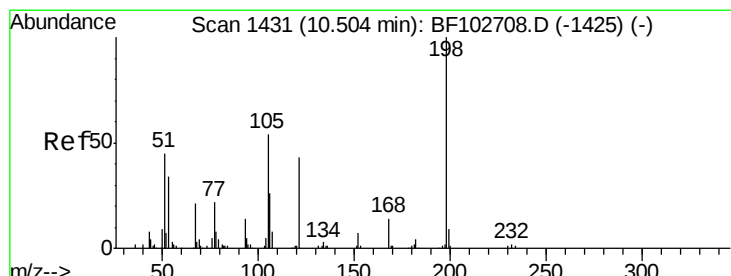
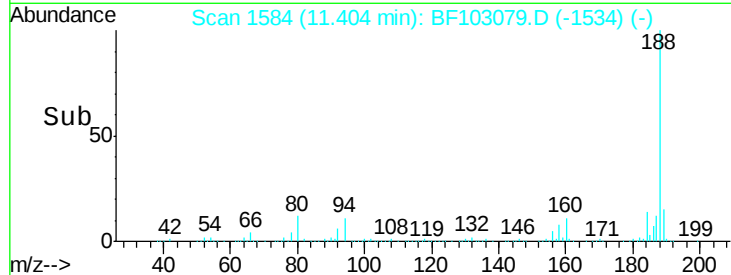
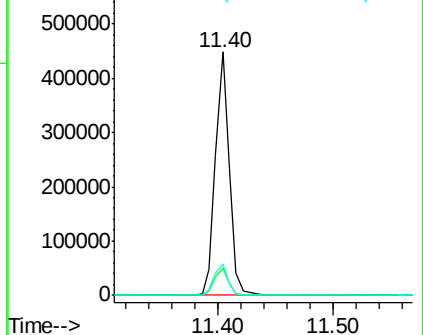
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103079.D
Acq: 19 Feb 2018 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 372943
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.5 9.2 13.8

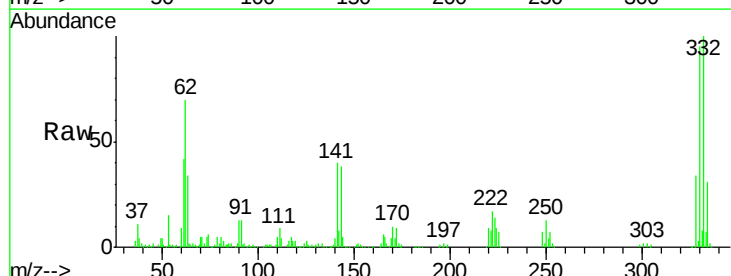


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

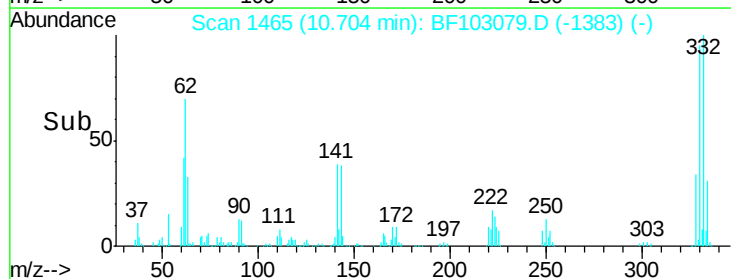
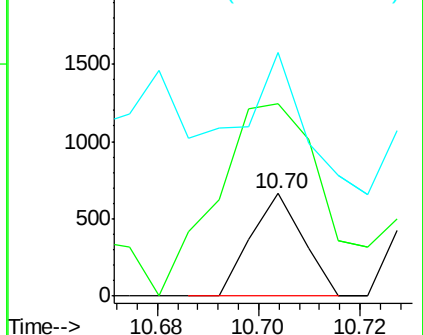


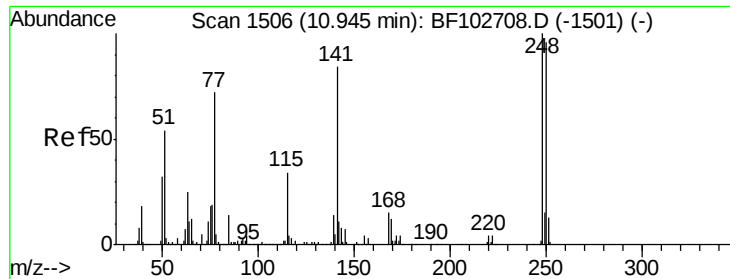
#64
4,6-Dinitro-2-methylphenol
Concen: 9.074 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103079.D
Acq: 19 Feb 2018 13:52

Tgt Ion:198 Resp: 472
Ion Ratio Lower Upper
198 100
51 187.9 37.7 77.7#
105 237.9 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

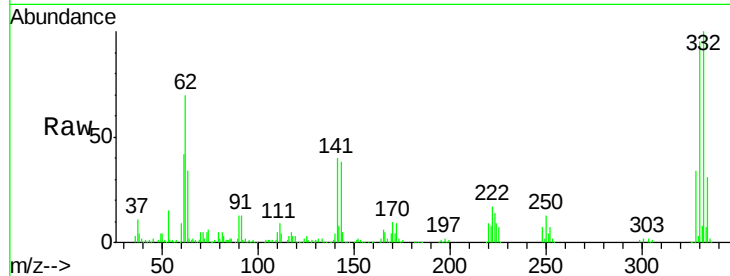




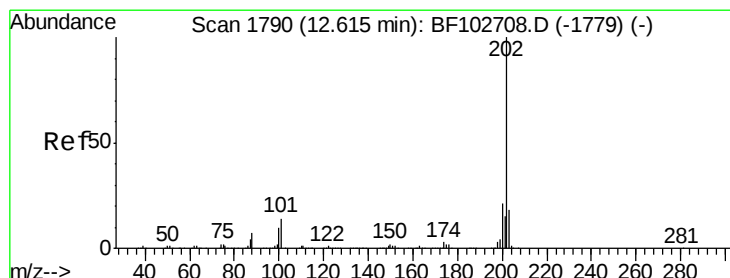
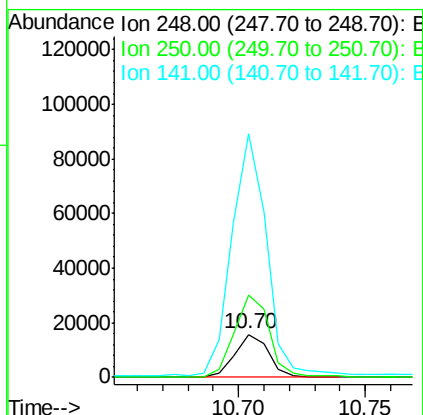
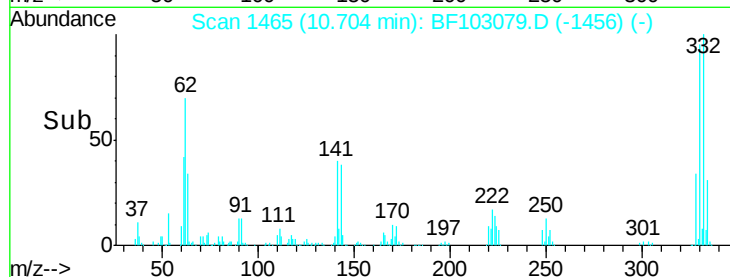
#66
 4-Bromophenyl-phenylether
 Concen: 3.655 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103079.D
 Acq: 19 Feb 2018 13:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14418
 Ion Ratio Lower Upper
 248 100
 250 192.4 76.9 115.3#
 141 567.9 74.4 111.6#

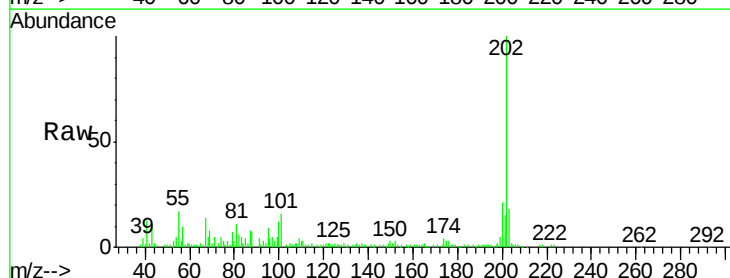


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

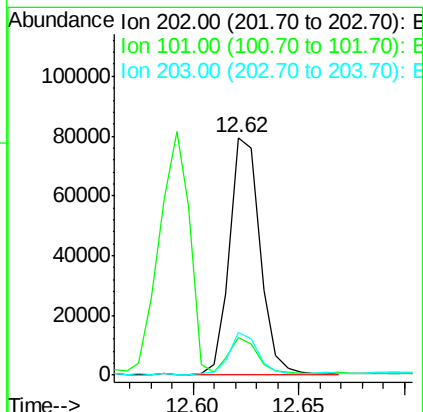
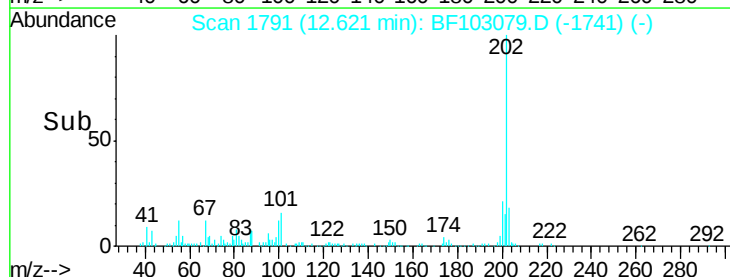


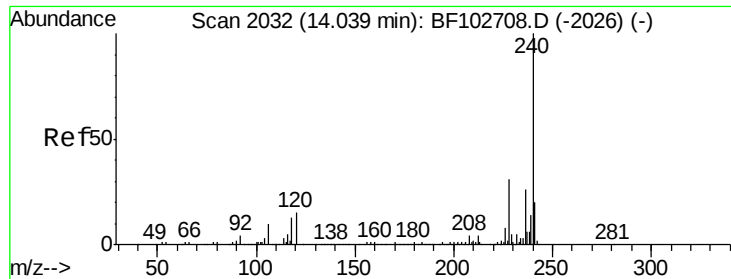
#74
 Fluoranthene
 Concen: 3.819 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF103079.D
 Acq: 19 Feb 2018 13:52

Tgt Ion:202 Resp: 79817
 Ion Ratio Lower Upper
 202 100
 101 16.0 0.0 34.1
 203 17.9 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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

Instrument :

BNA_F

ClientSampleId :

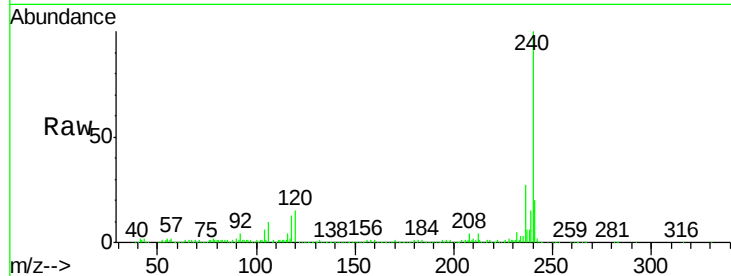
Tot Ion:240 Resp: 313969

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

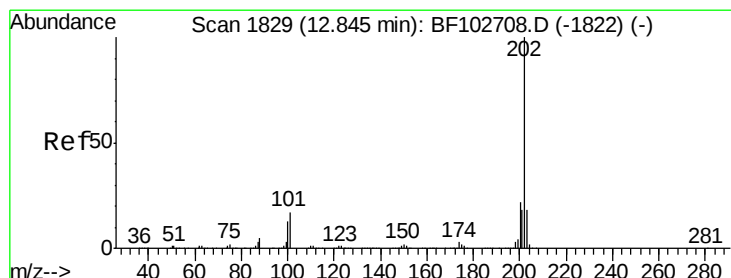
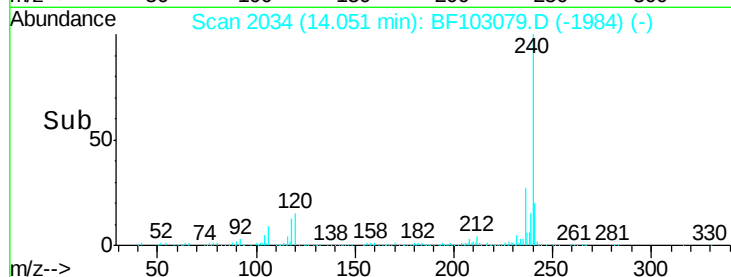
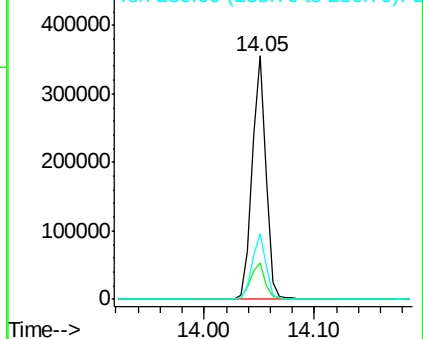
236 26.9 20.7 31.1



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: 2.674 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

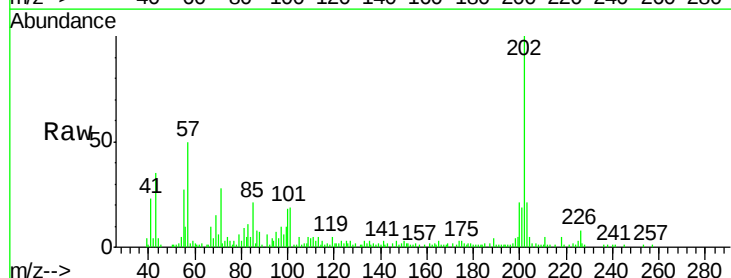
Tgt Ion:202 Resp: 65833

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

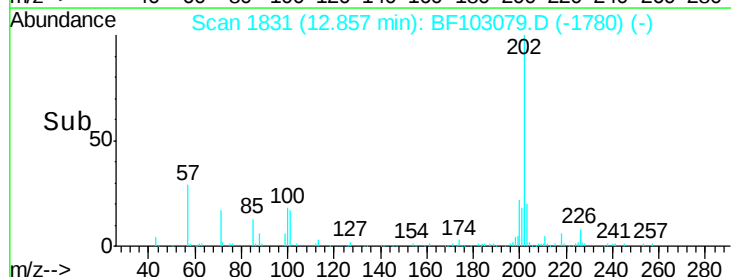
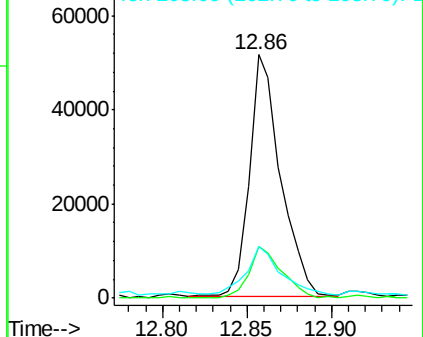
203 21.3 14.3 21.5

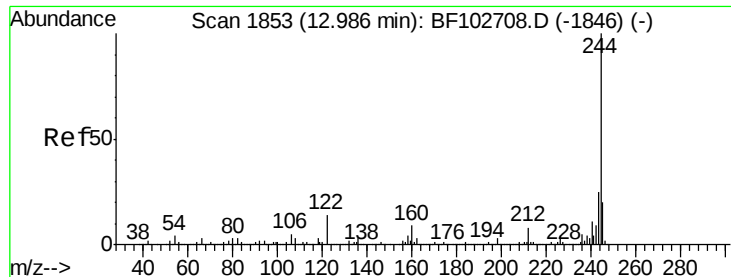


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.115 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

Instrument :

BNA_F

ClientSampled :

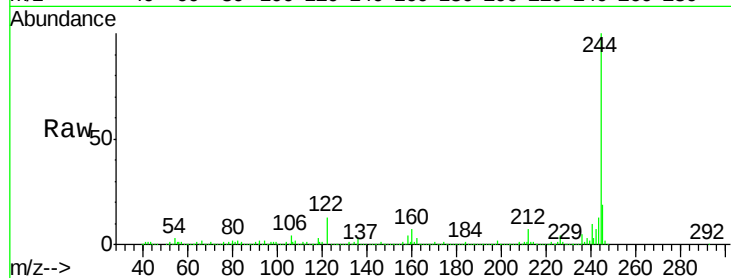
Tot Ion:244 Resp: 797132

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

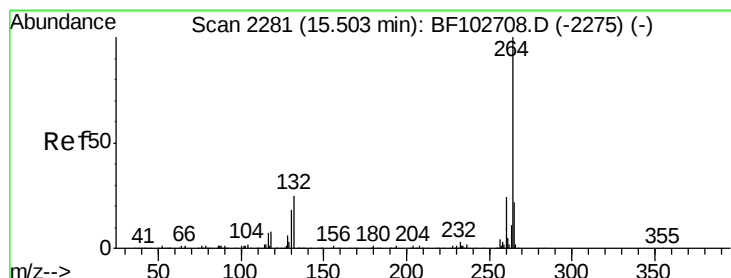
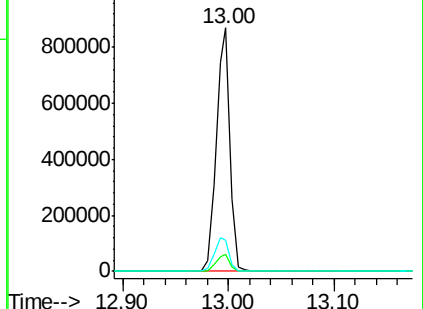
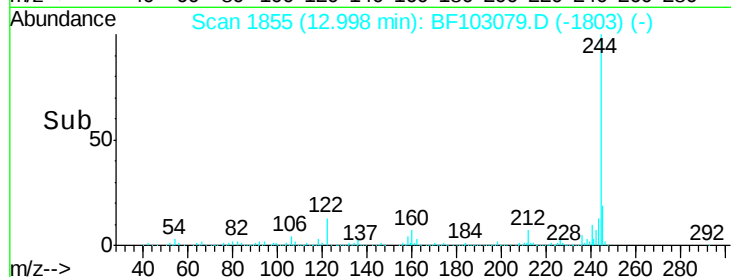
122 12.8 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BF103079.D

Acq: 19 Feb 2018 13:52

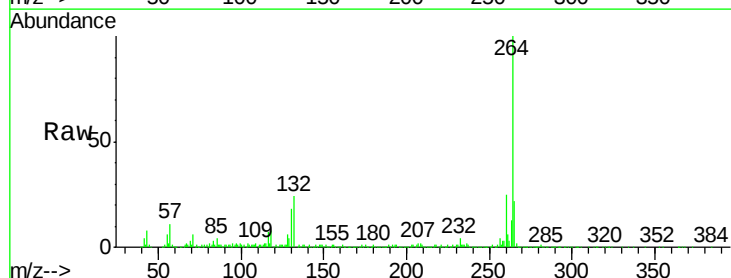
Tgt Ion:264 Resp: 345022

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

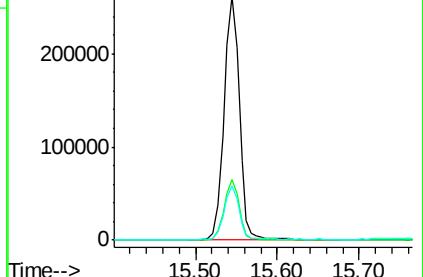
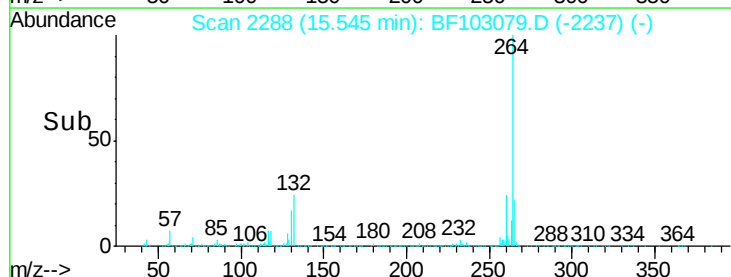
265 22.0 17.5 26.3

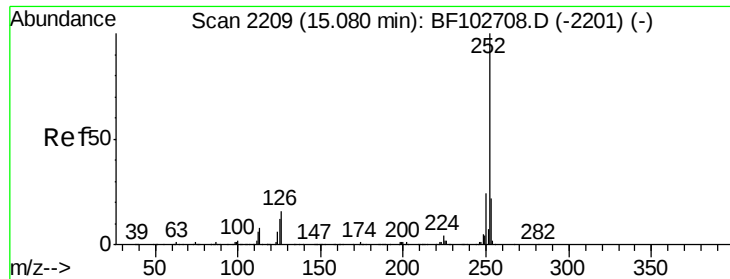


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

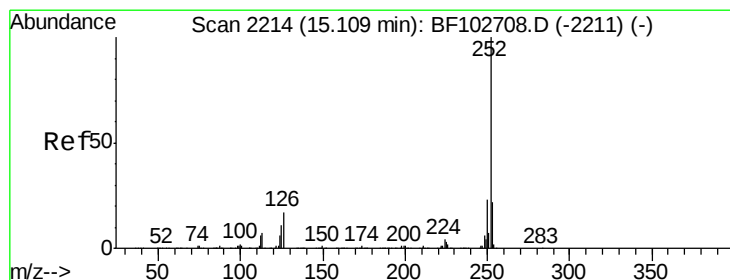
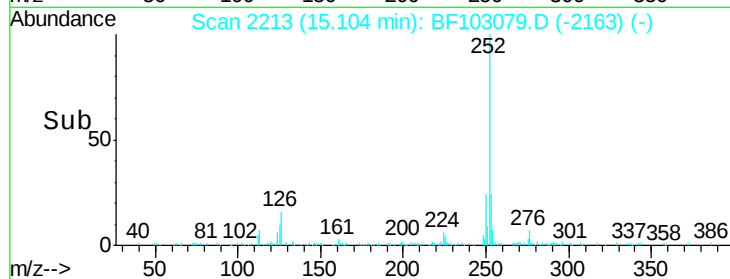
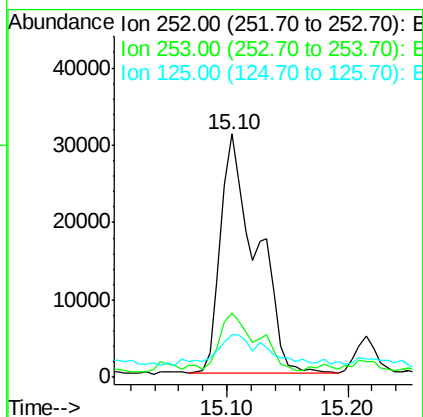
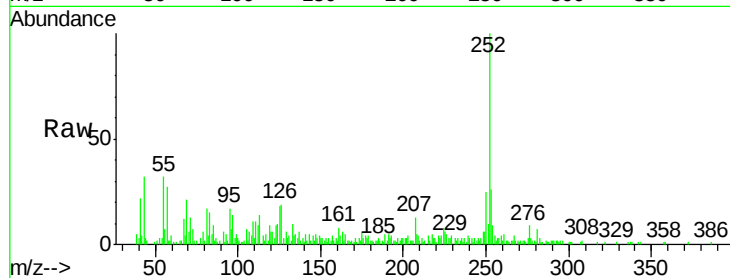




#87
Benzo(b)fluoranthene
Concen: 2.847 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF103079.D
Acq: 19 Feb 2018 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 63694
Ion Ratio Lower Upper
252 100
253 26.3 17.0 25.6#
125 17.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.980 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF103079.D
Acq: 19 Feb 2018 13:52

Tgt Ion:252 Resp: 63694
Ion Ratio Lower Upper
252 100
253 26.3 17.9 26.9
125 17.7 10.2 15.2#

