

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF011918\
 Data File : BF102212.D
 Acq On : 19 Jan 2018 10:15
 Operator : SJ/JU
 Sample : J1168-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-57-0-2.0

Quant Time: Jan 19 13:29:57 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	141585	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	570472	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	245862	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	371334	20.00	ng	0.00
75) Chrysene-d12	13.87	240	284203	20.00	ng	0.00
86) Perylene-d12	15.30	264	239612	20.00	ng	0.01

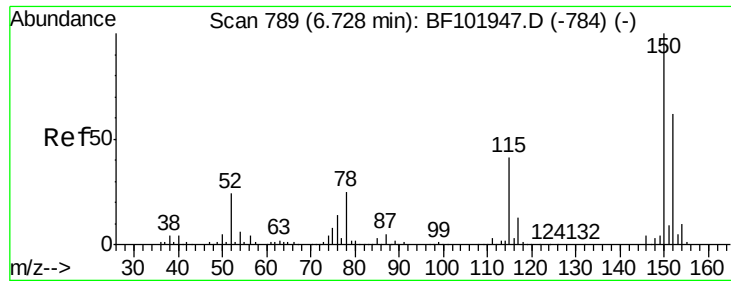
System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	879151	87.68	ng	0.00
7) Phenol-d6	6.36	99	1039563	86.90	ng	0.00
23) Nitrobenzene-d5	7.29	82	655937	67.57	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	199397	92.93	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1117961	71.04	ng	0.00
78) Terphenyl-d14	12.82	244	826445	60.38	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.37	94	46064	3.407	ng	83
19) n-Nitroso-di-n-propylamine	7.29	70	88767	11.323	ng	# 80
25) Isophorone	7.29	82	649599	33.865	ng	# 64
49) Dimethylphthalate	9.47	163	184210	9.340	ng	100
64) 4,6-Dinitro-2-methylphenol	10.55	198	404	5.839	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	12853	3.278	ng	# 1
70) Phenanthrene	11.26	178	336098	15.495	ng	99
71) Anthracene	11.31	178	86385	3.927	ng	98
74) Fluoranthene	12.44	202	413728	19.387	ng	99
77) Pyrene	12.67	202	384904	15.322	ng	100
80) Benzo(a)anthracene	13.86	228	198871	10.967	ng	97
82) Chrysene	13.90	228	193263	10.221	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	44840	3.390	ng	97
85) Indeno(1,2,3-cd)pyrene	16.68	276	81472	5.920	ng	97
87) Benzo(b)fluoranthene	14.89	252	292644	18.731	ng	# 93
88) Benzo(k)fluoranthene	14.89	252	292644	19.417	ng	# 96
89) Benzo(a)pyrene	15.24	252	150431	10.700	ng	# 93
90) Dibenzo(a,h)anthracene	16.69	278	22638	2.018	ng	# 79
91) Benzo(g,h,i)perylene	17.10	276	79923	7.072	ng	94

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

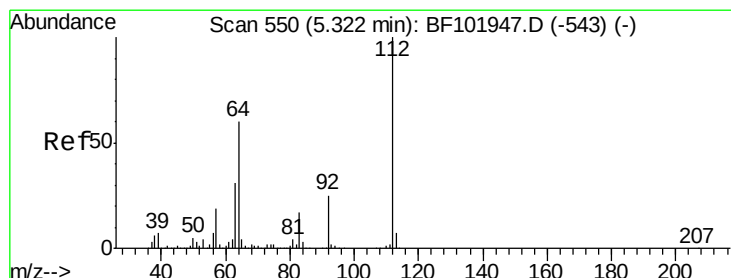
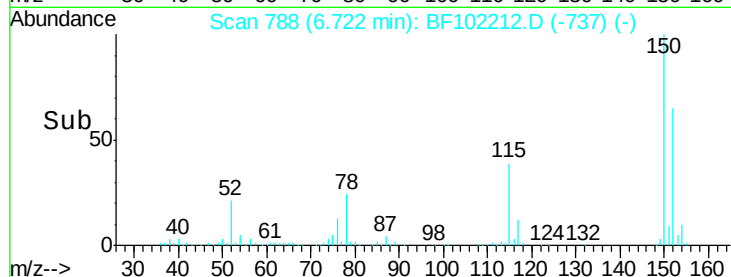
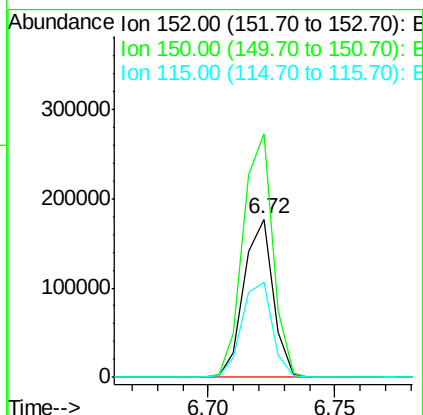
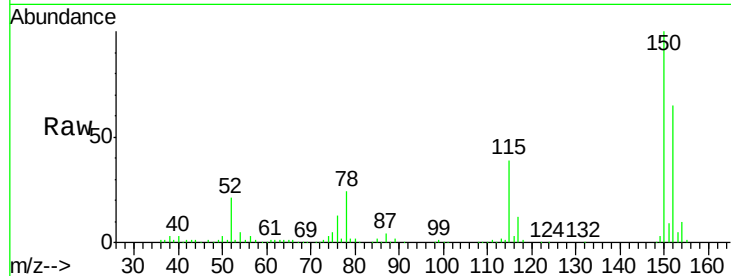


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102212.D
Acq: 19 Jan 2018 10:15

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0

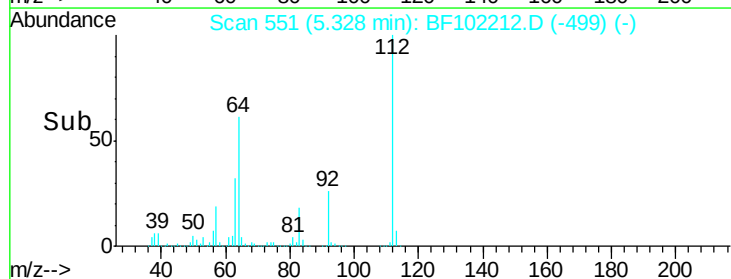
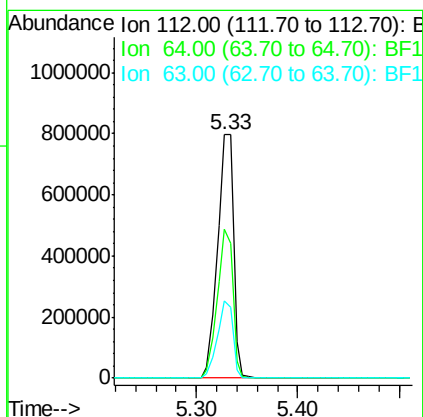
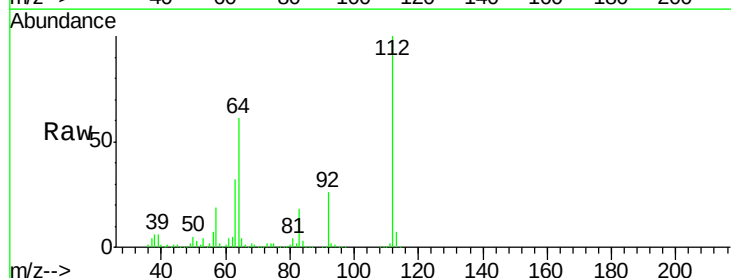
Tgt Ion:152 Resp: 141585
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 60.0 50.1 75.1

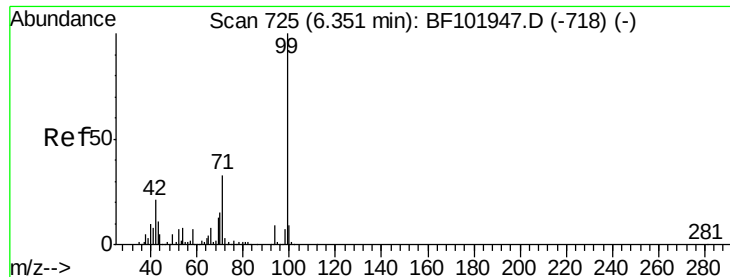


#5

2-Fluorophenol
Concen: 87.681 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102212.D
Acq: 19 Jan 2018 10:15

Tgt Ion:112 Resp: 879151
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 31.6 23.7 35.5





#7

Phenol-d6

Concen: 86.899 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0

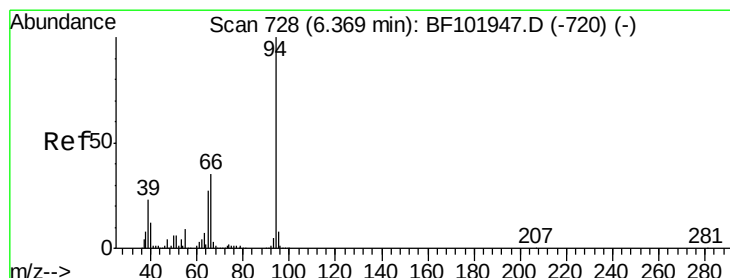
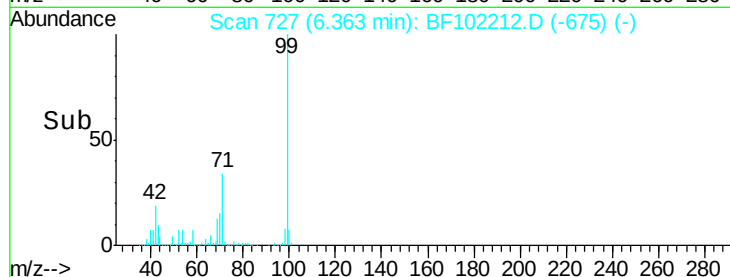
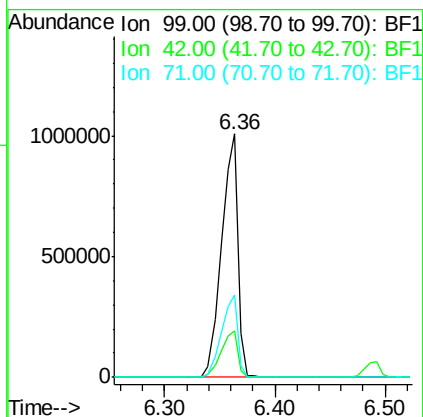
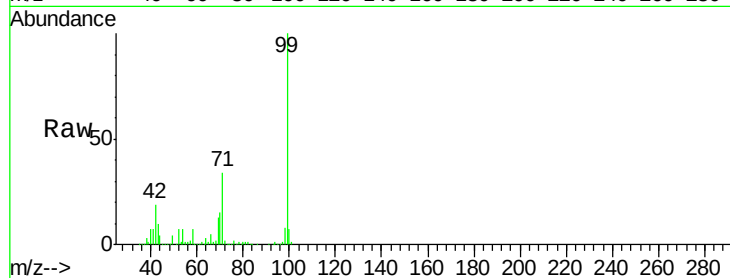
Tgt Ion: 99 Resp: 1039563

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 34.0 25.4 38.0



#10

Phenol

Concen: 3.407 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

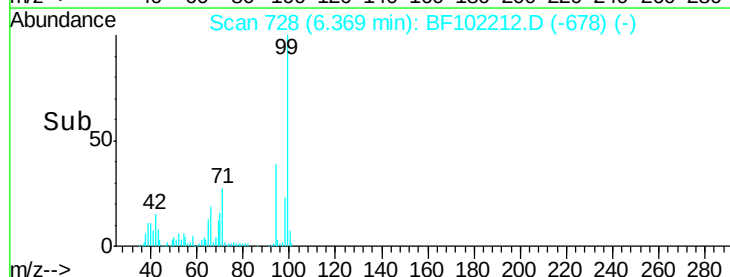
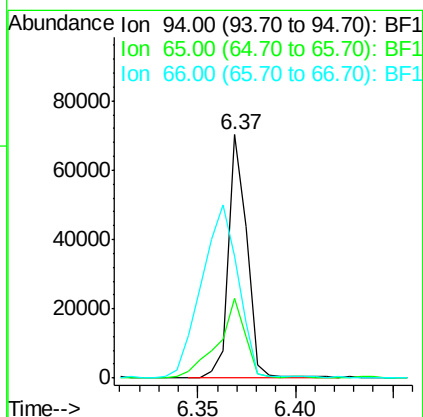
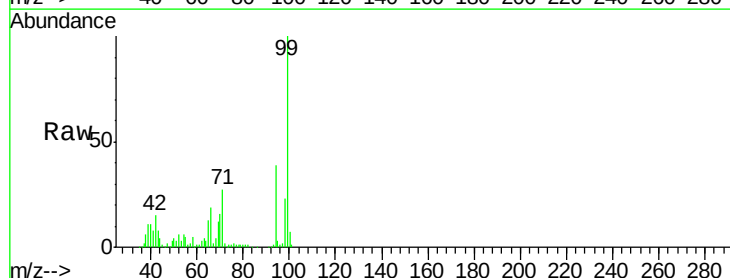
Tgt Ion: 94 Resp: 46064

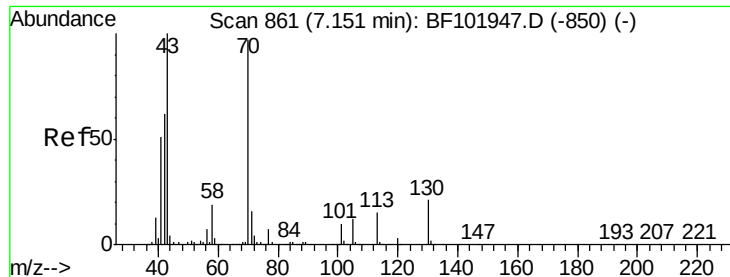
Ion Ratio Lower Upper

94 100

65 32.8 7.9 47.9

66 49.9 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.323 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0

Tgt Ion: 70 Resp: 88767

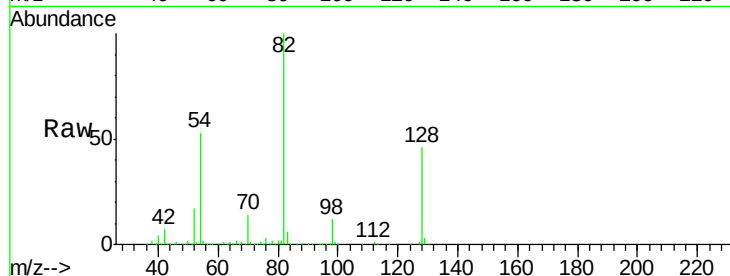
Ion Ratio Lower Upper

70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

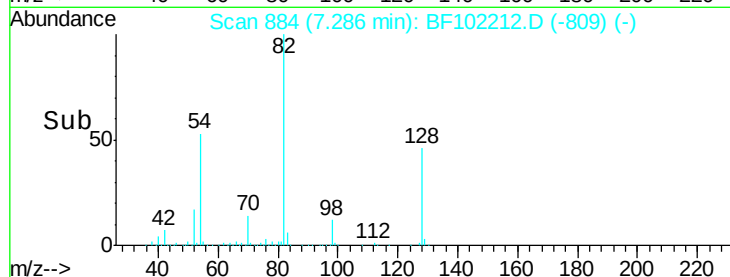


Abundance Ion 70.00 (69.70 to 70.70): BF1

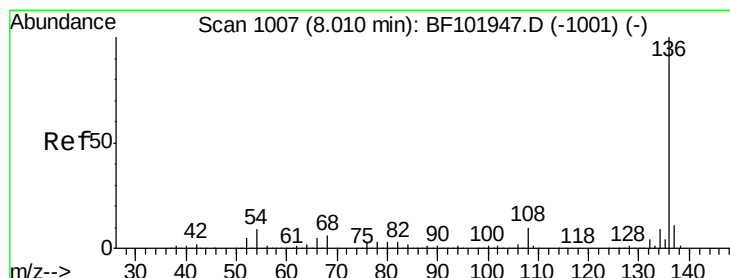
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

Tgt Ion: 136 Resp: 570472

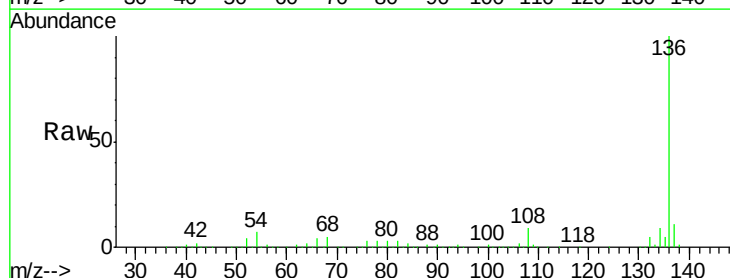
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.1 6.6 9.8

68 5.0 5.0 7.4

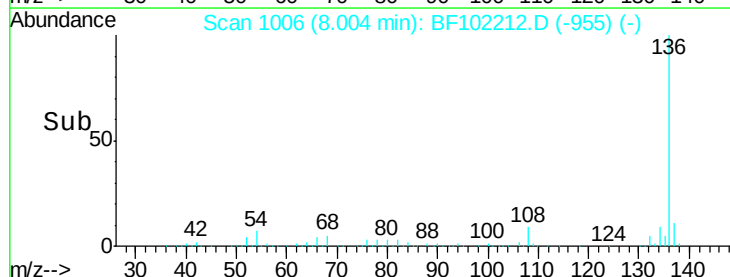


Abundance Ion 136.00 (135.70 to 136.70): BF1

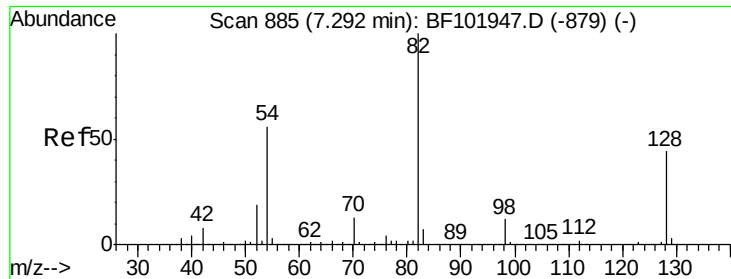
Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



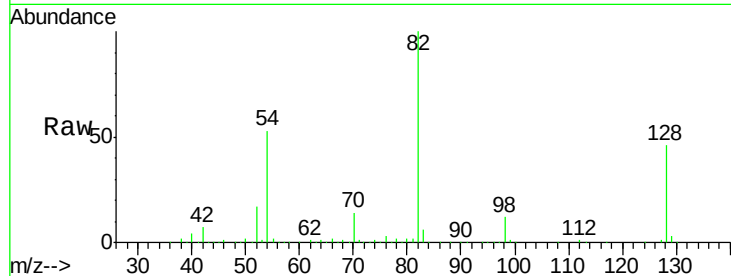
Time-->



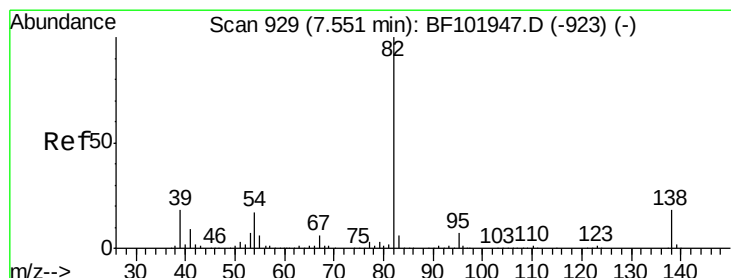
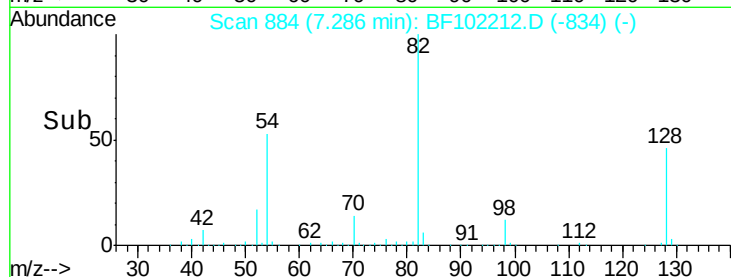
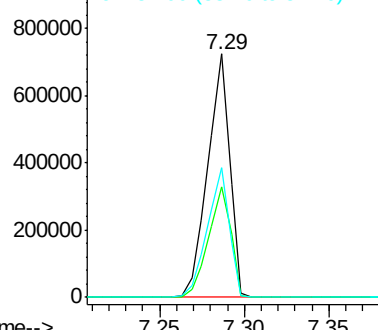
#23
 Nitrobenzene-d5
 Concen: 67.568 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-57-0-2.0

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	53.0	41.4	62.2

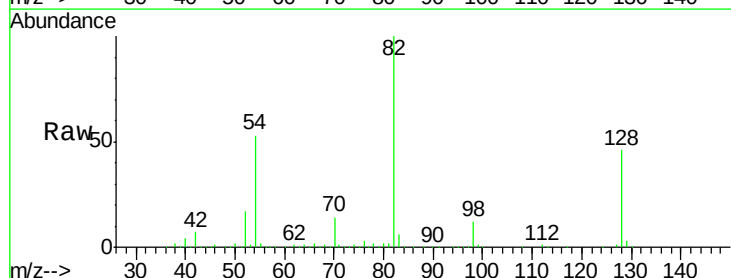


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

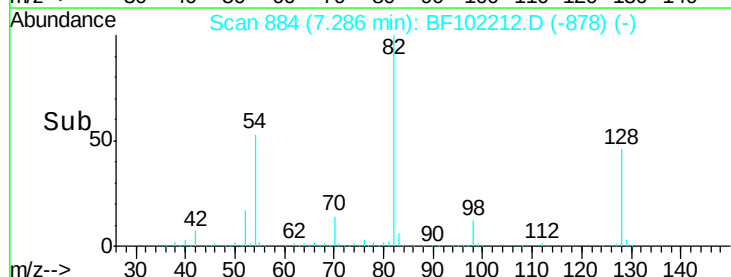
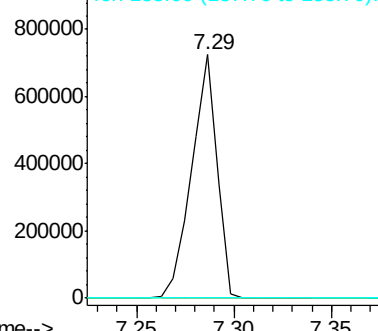


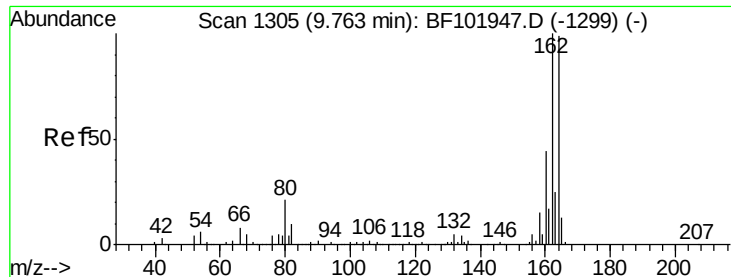
#25
 Isophorone
 Concen: 33.865 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.26 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

Tgt Ion	Ratio	Lower	Upper
82	100		
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

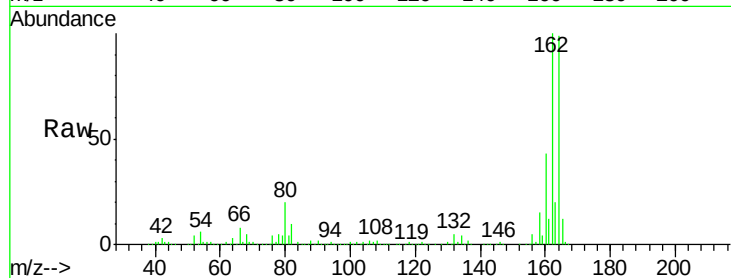




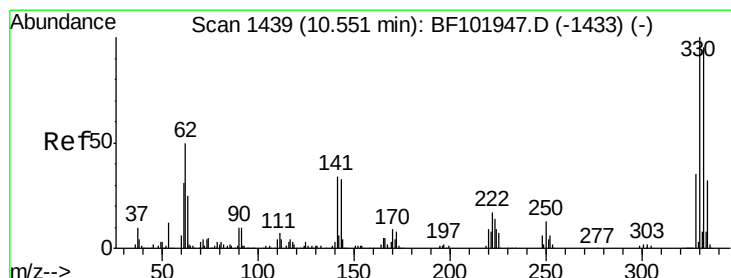
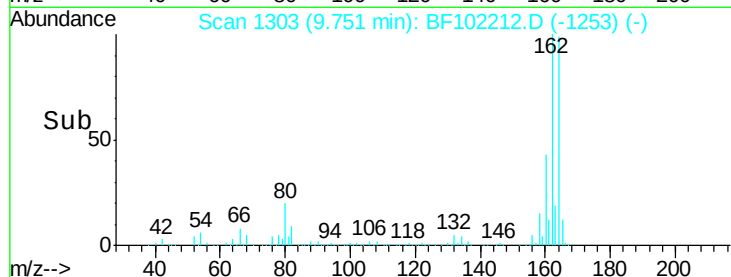
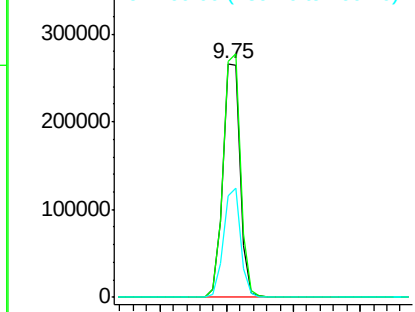
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-57-0-2.0

Tgt Ion:164 Resp: 245862
 Ion Ratio Lower Upper
 164 100
 162 101.0 86.1 129.1
 160 43.7 38.3 57.5

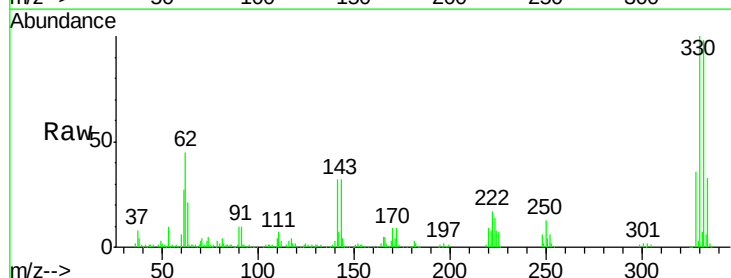


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

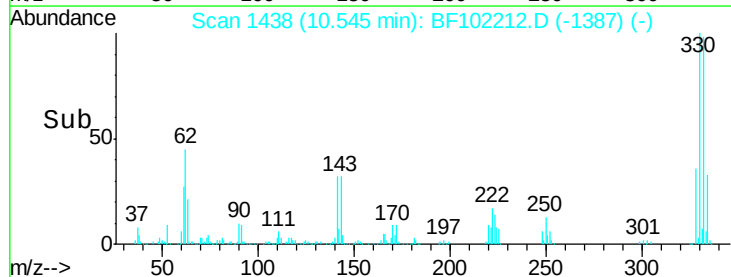
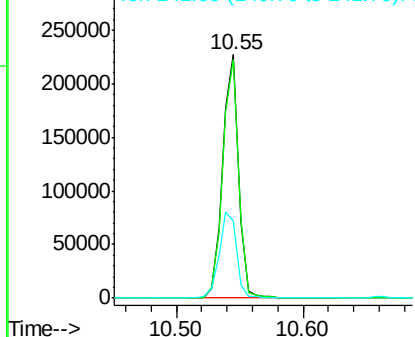


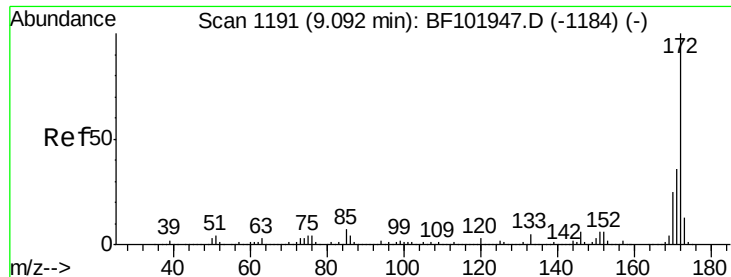
#41
 2,4,6-Tribromophenol
 Concen: 92.933 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

Tgt Ion:330 Resp: 199397
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.0 115.6
 141 38.4 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

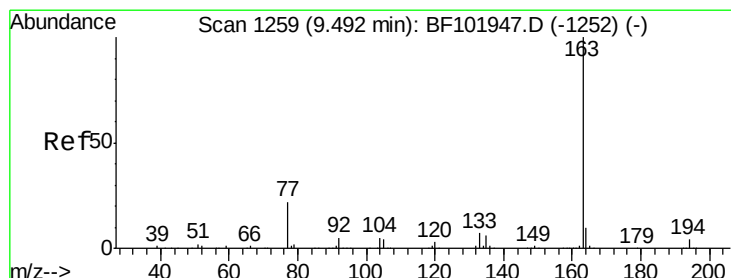
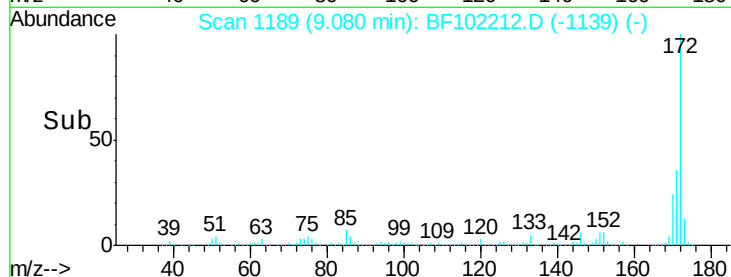
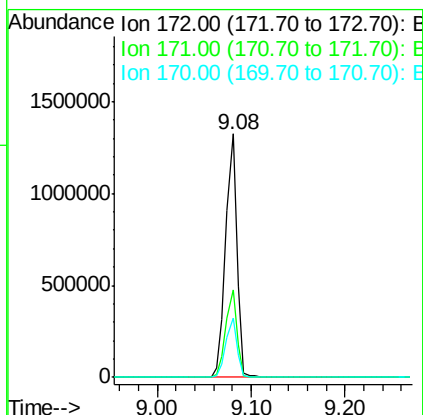
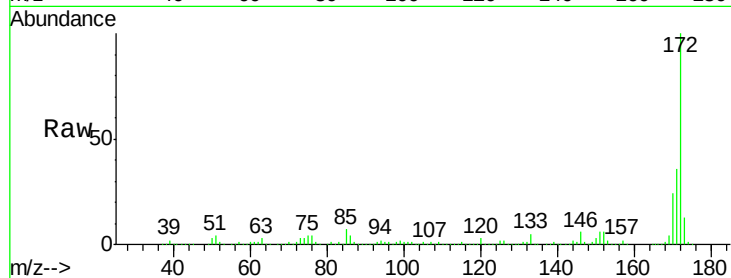




#44
 2-Fluorobiphenyl
 Concen: 71.038 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

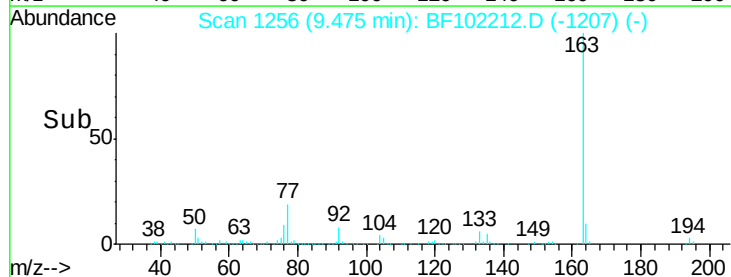
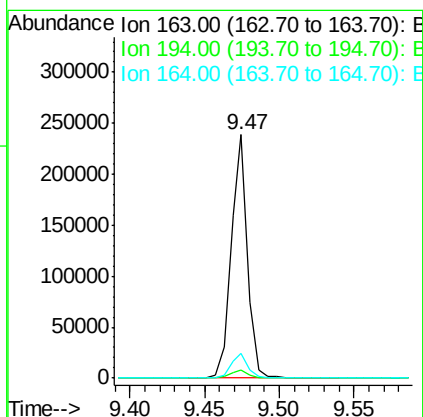
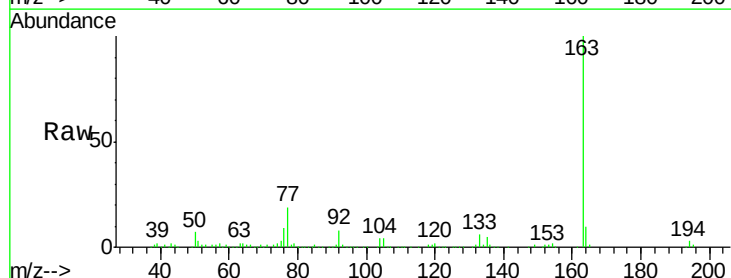
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 SB-57-0-2.0

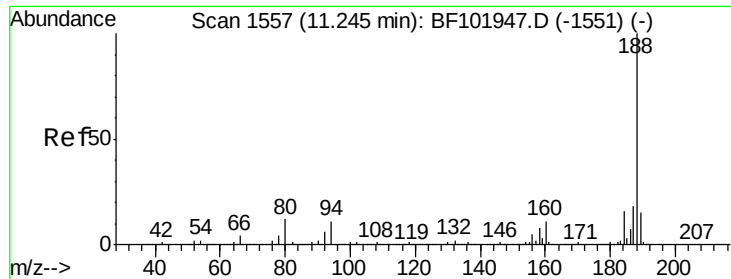
Tgt Ion:172 Resp: 1117961
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.1 19.6 29.4



#49
 Dimethylphthalate
 Concen: 9.340 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

Tgt Ion:163 Resp: 184210
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.7 4.1
 164 10.0 8.2 12.2

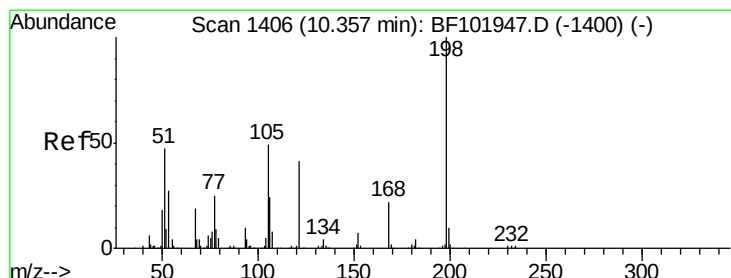
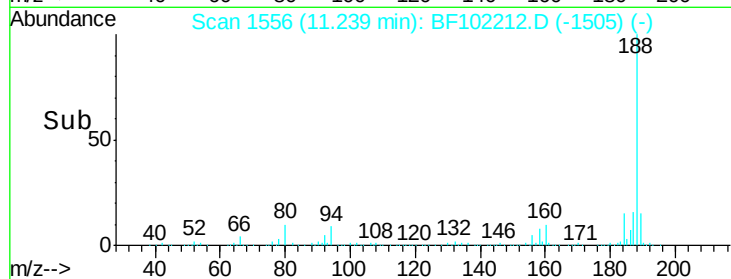
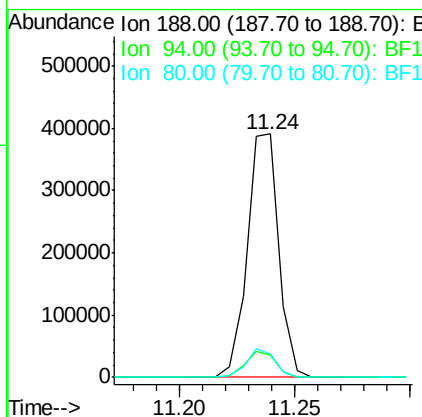
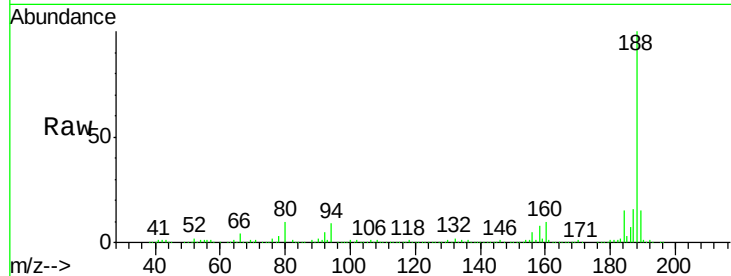




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF102212.D
Acq: 19 Jan 2018 10:15

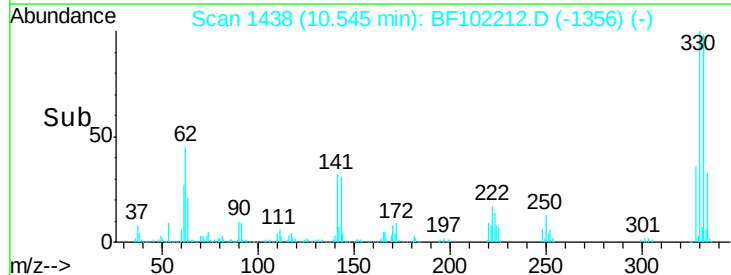
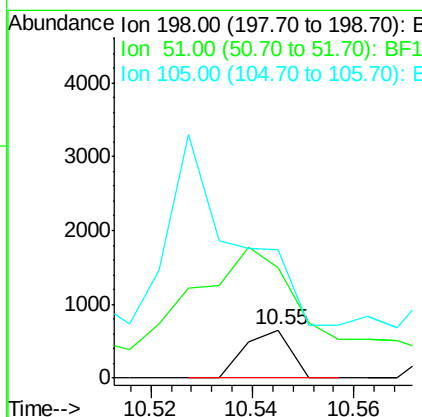
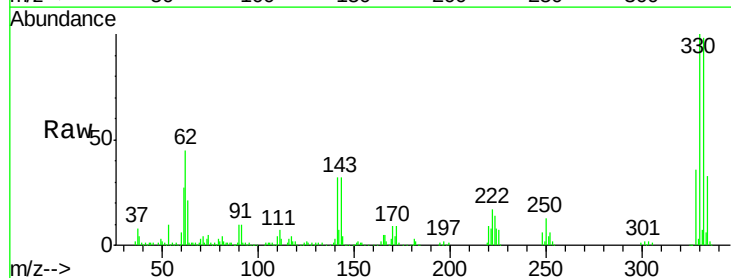
Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0

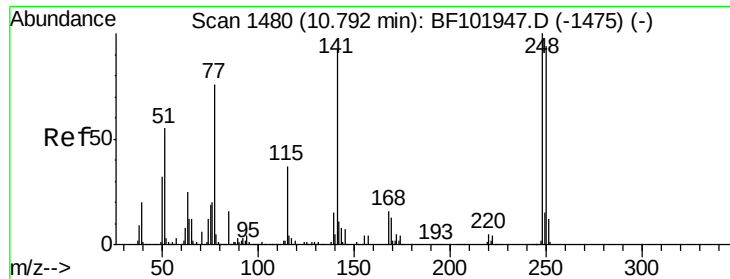
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.8	9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.839 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF102212.D
Acq: 19 Jan 2018 10:15

Tgt Ion	Ratio	Lower	Upper
198	100		
51	230.8	37.7	77.7#
105	266.6	36.3	76.3#

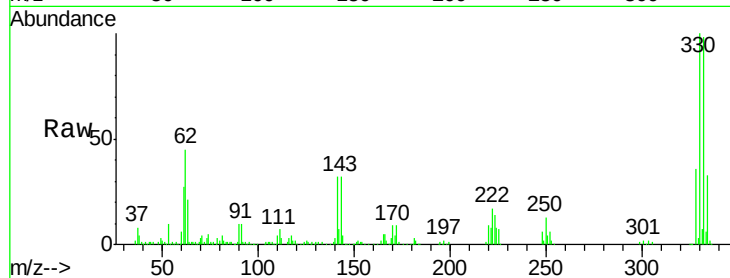




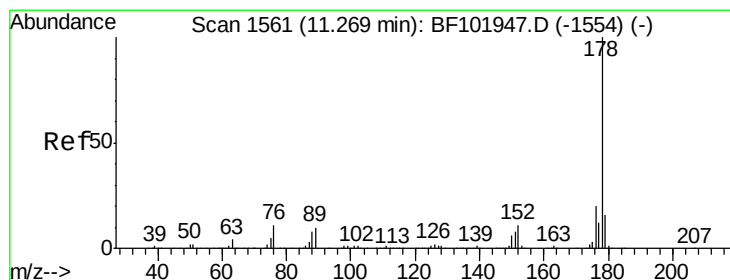
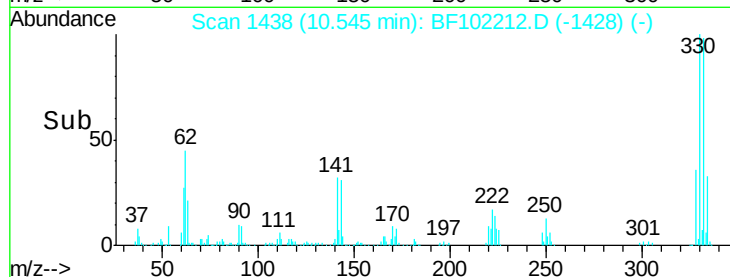
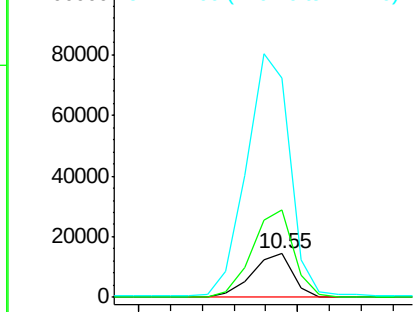
#66
 4-Bromophenyl-phenylether
 Concen: 3.278 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-57-0-2.0

Tgt Ion:248 Resp: 12853
 Ion Ratio Lower Upper
 248 100
 250 200.3 76.9 115.3#
 141 503.6 74.4 111.6#

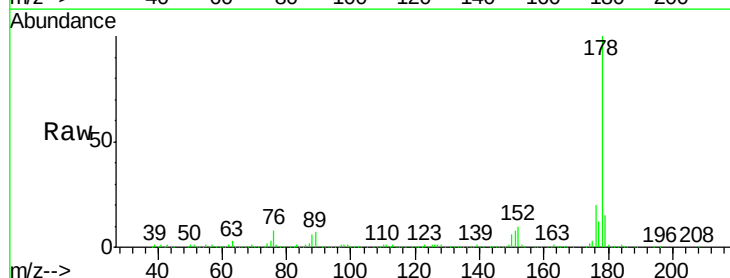


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

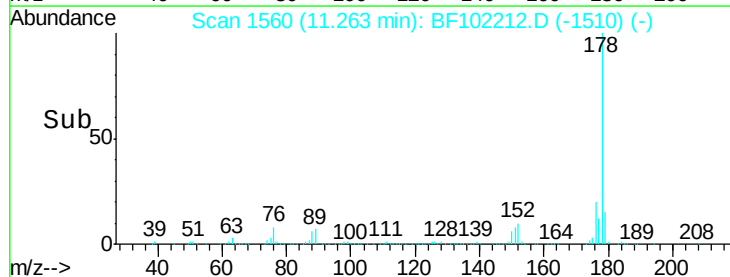
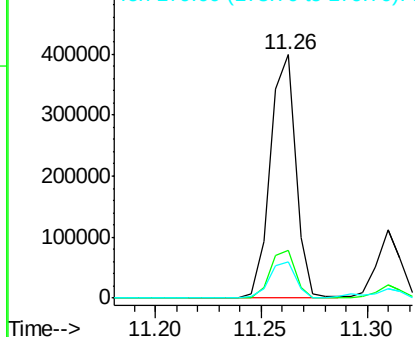


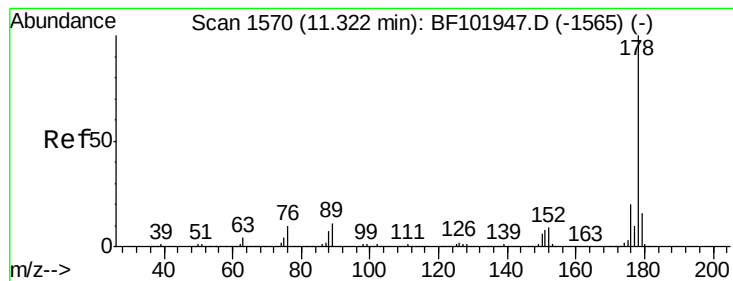
#70
 Phenanthrene
 Concen: 15.495 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

Tgt Ion:178 Resp: 336098
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 15.1 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





#71

Anthracene

Concen: 3.927 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0

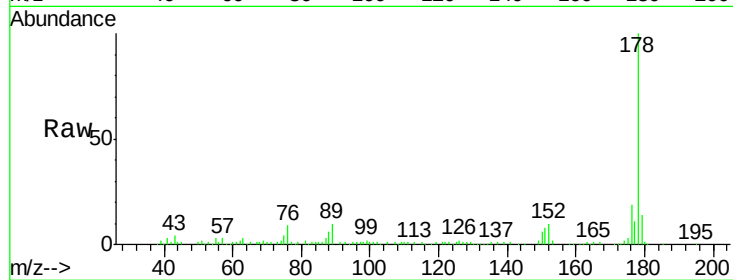
Tgt Ion:178 Resp: 86385

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

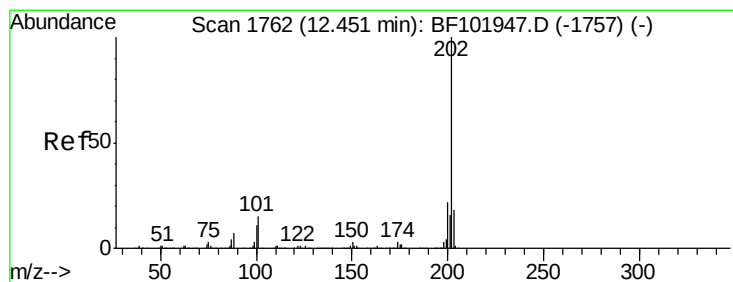
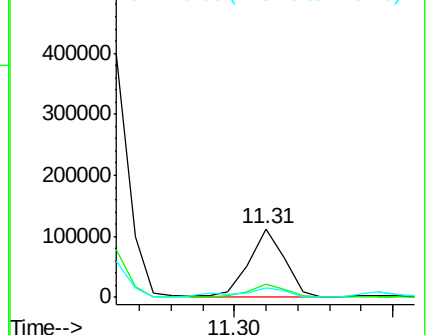
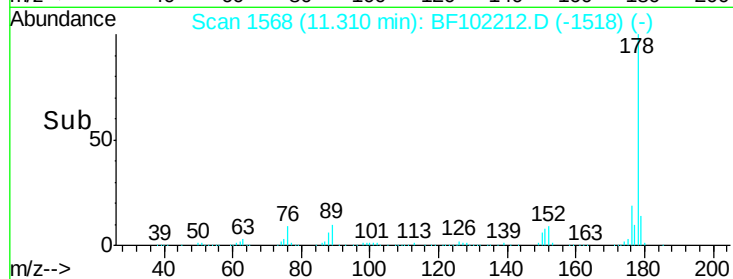
179 13.9 12.6 19.0



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: 19.387 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

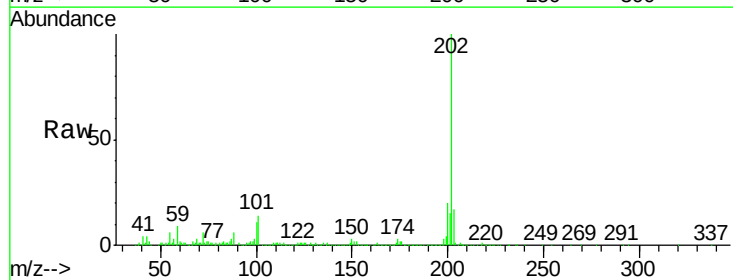
Tgt Ion:202 Resp: 413728

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.1

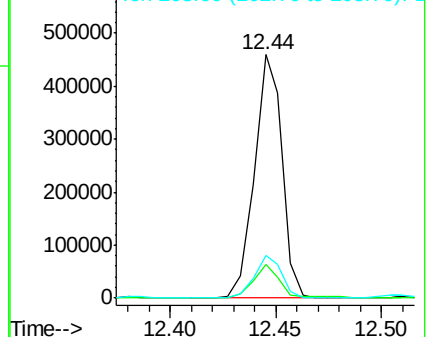
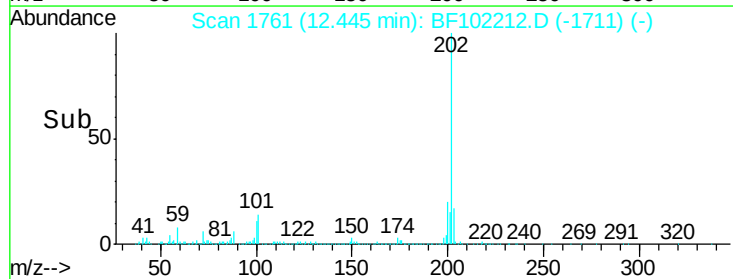
203 17.5 0.0 38.1

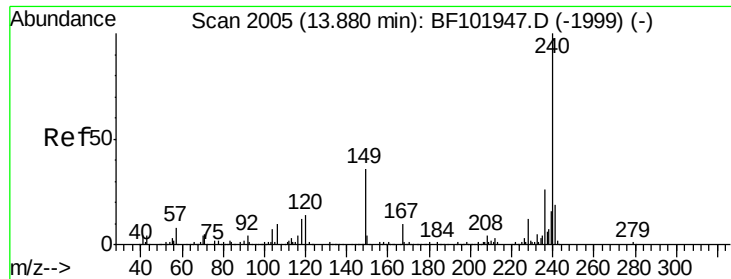


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0

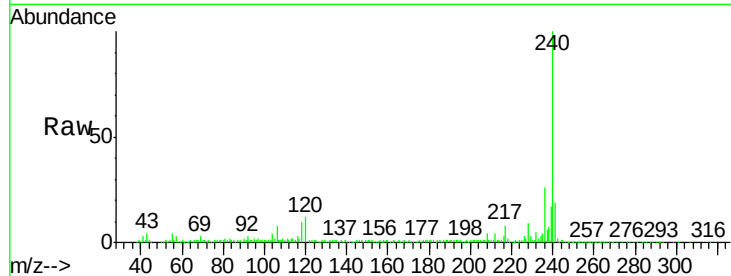
Tgt Ion:240 Resp: 284203

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

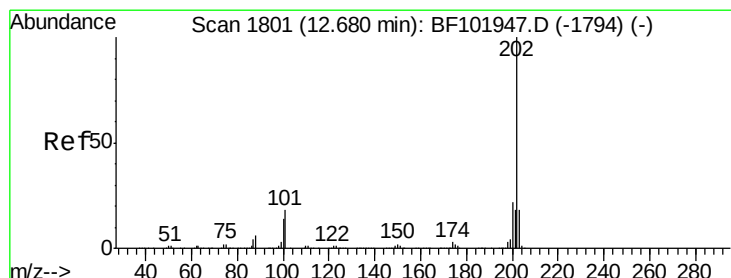
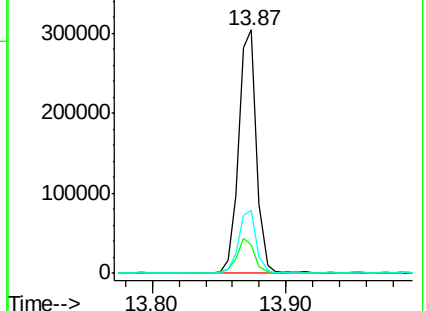
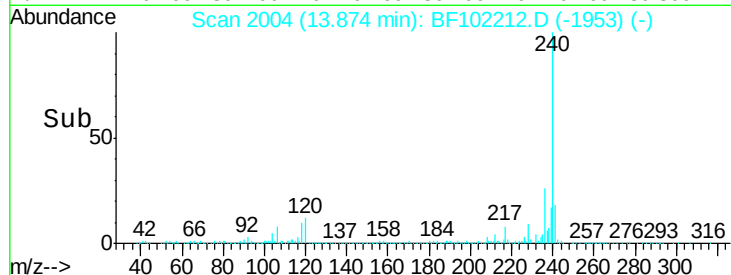
236 26.0 20.7 31.1



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: 15.322 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

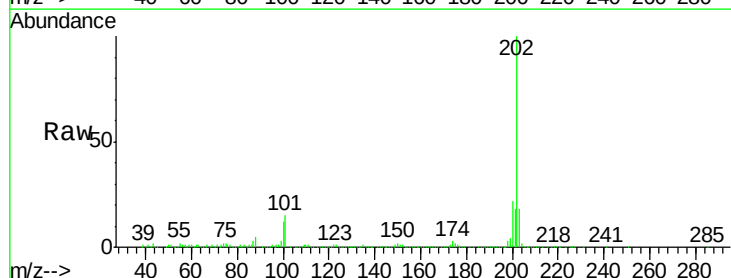
Tgt Ion:202 Resp: 384904

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

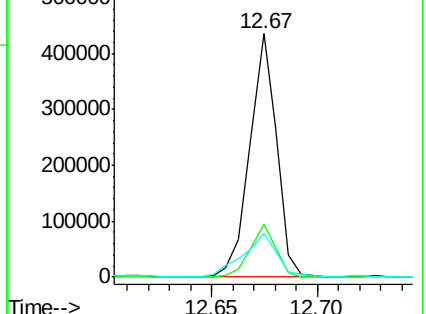
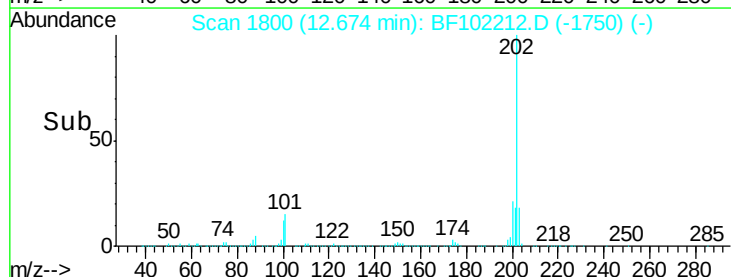
203 18.1 14.3 21.5

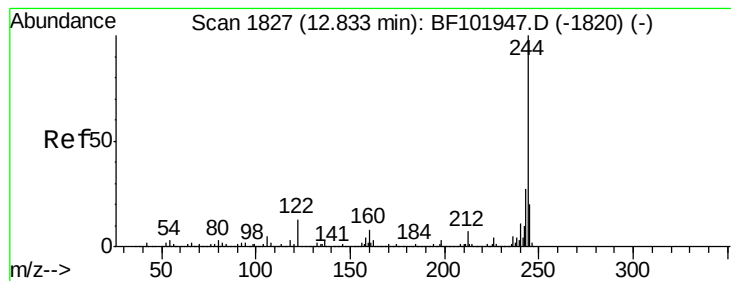


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.376 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

Instrument :

BNA_F

ClientSampled :

SB-57-0-2.0

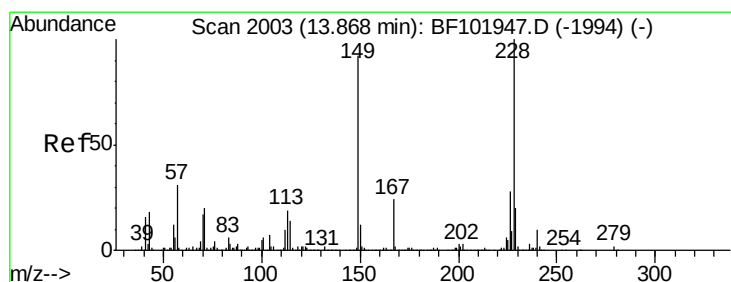
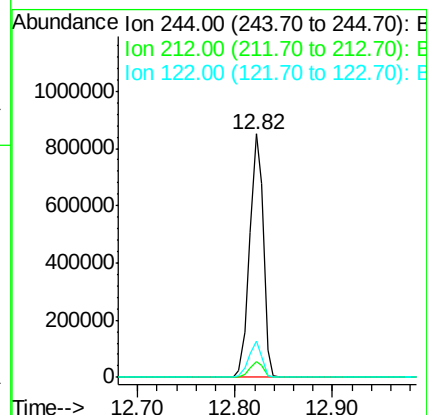
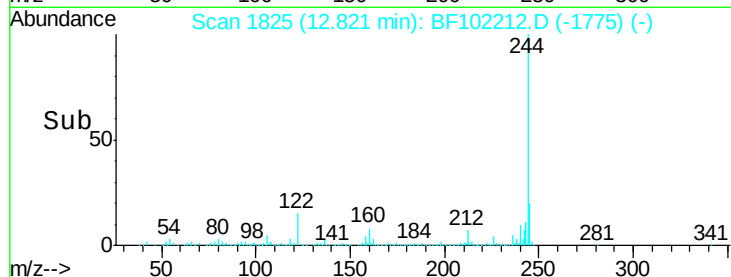
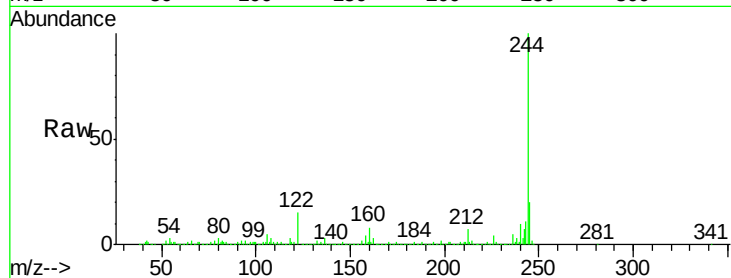
Tgt Ion:244 Resp: 826445

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 14.6 11.0 16.4



#80

Benzo(a)anthracene

Concen: 10.967 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

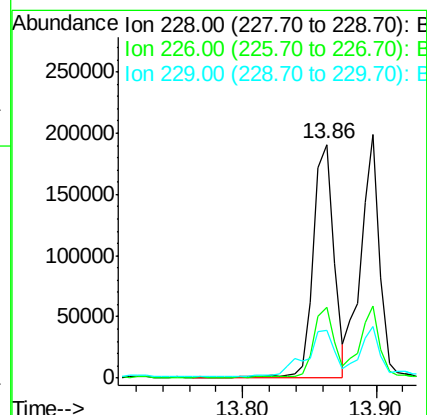
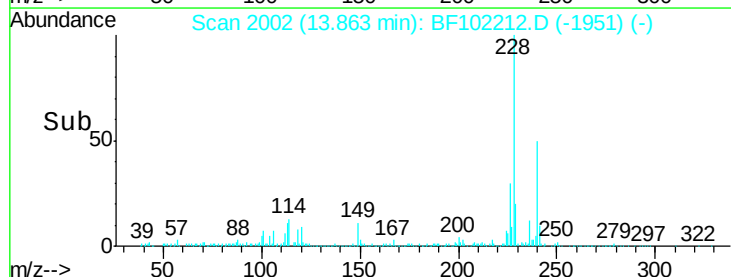
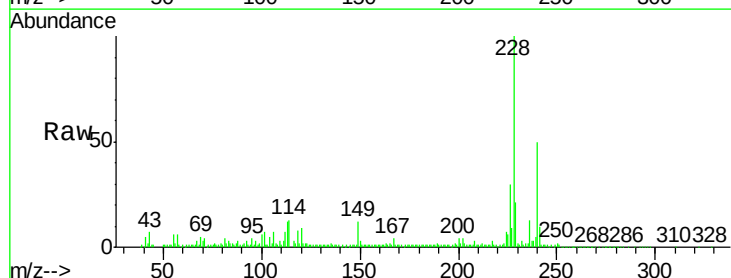
Tgt Ion:228 Resp: 198871

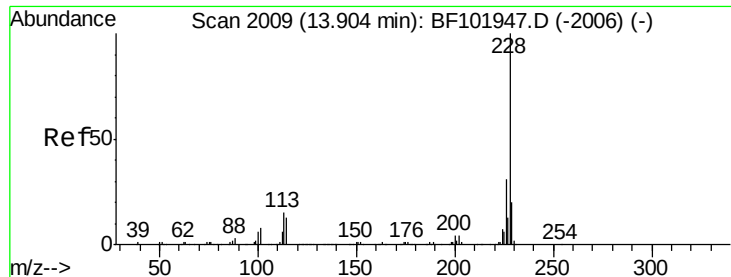
Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

229 20.5 15.8 23.6





#82

Chrysene

Concen: 10.221 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0

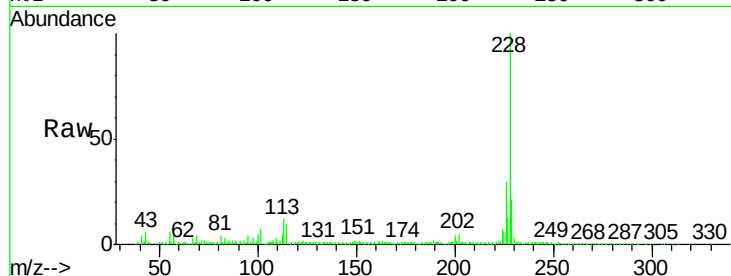
Tgt Ion:228 Resp: 193263

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

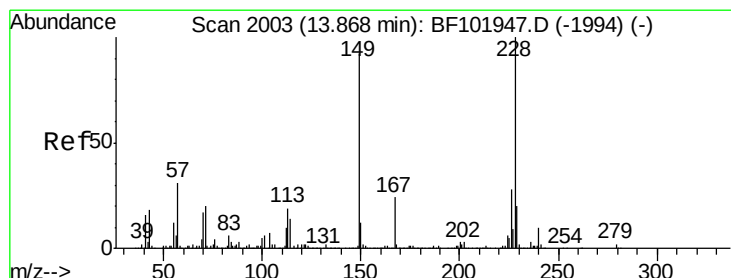
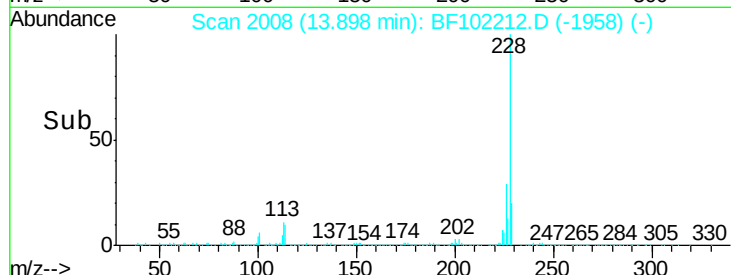
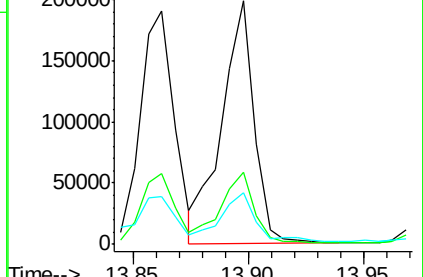
229 21.3 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.390 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

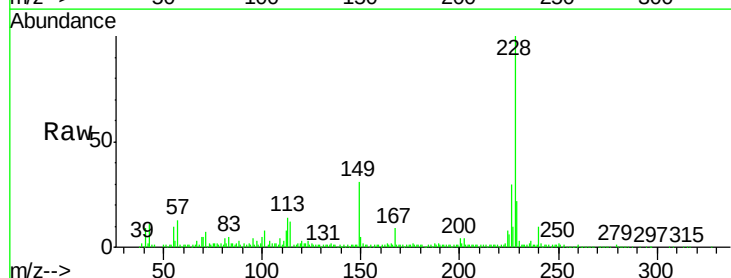
Tgt Ion:149 Resp: 44840

Ion Ratio Lower Upper

149 100

167 28.0 21.3 31.9

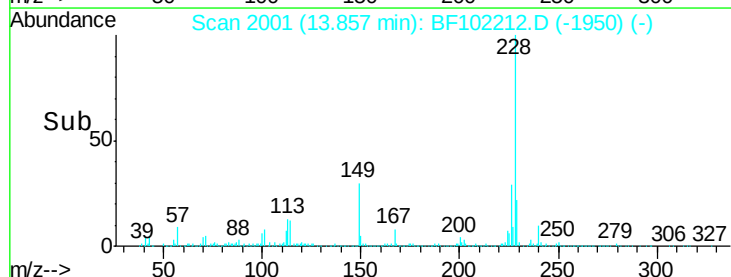
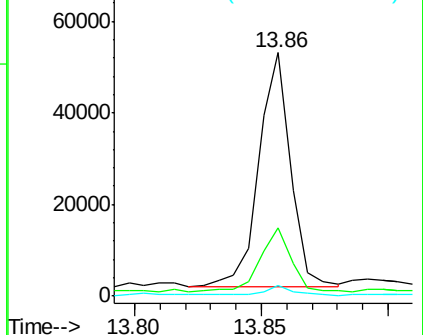
279 4.2 3.0 4.4

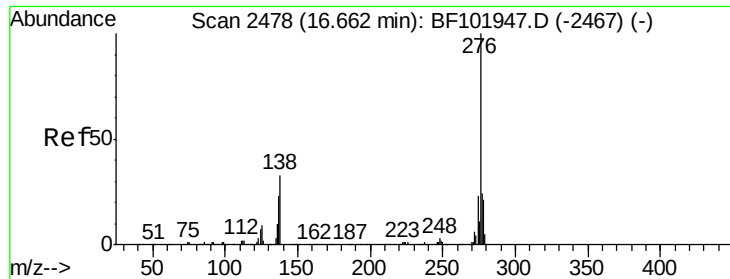


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

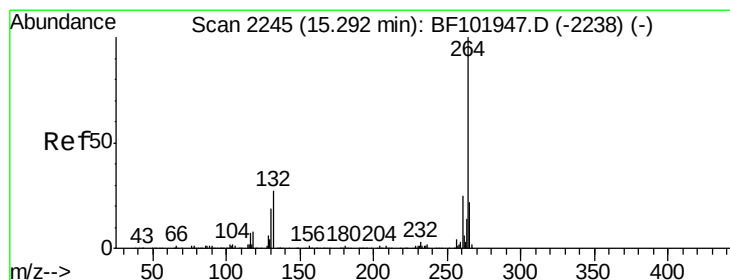
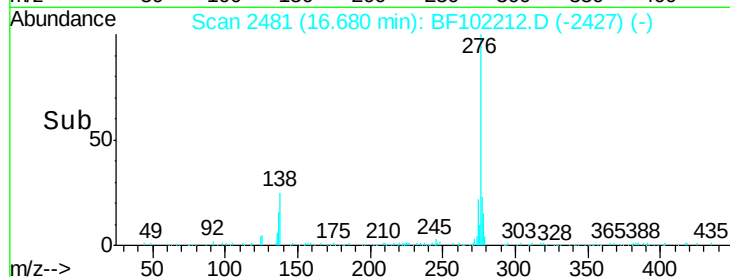
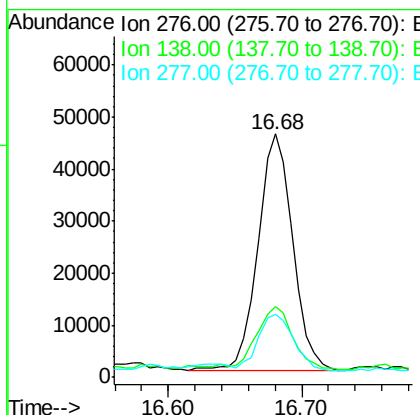
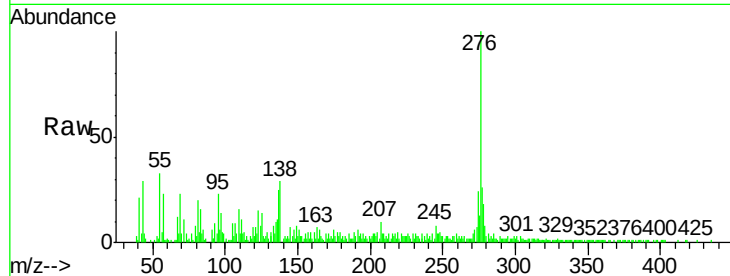




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.920 ng
 RT: 16.68 min Scan# 2481
 Delta R.T. 0.02 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

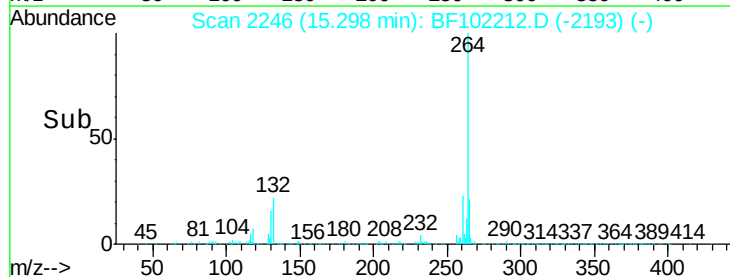
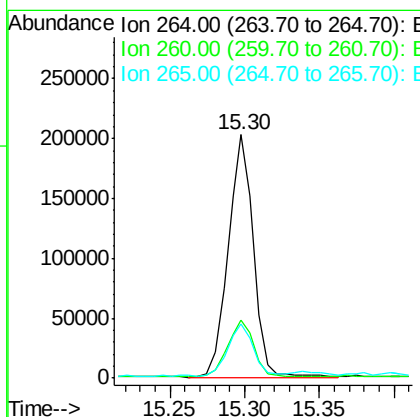
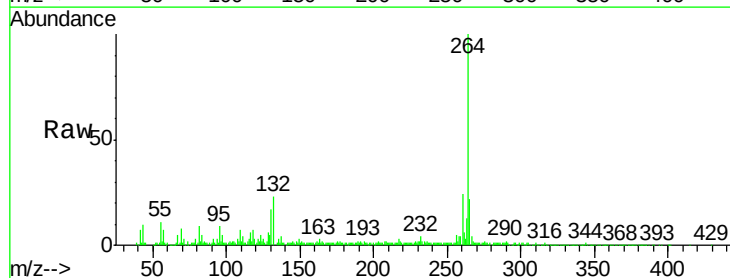
Instrument :
 BNA_F
 ClientSampleId :
 SB-57-0-2.0

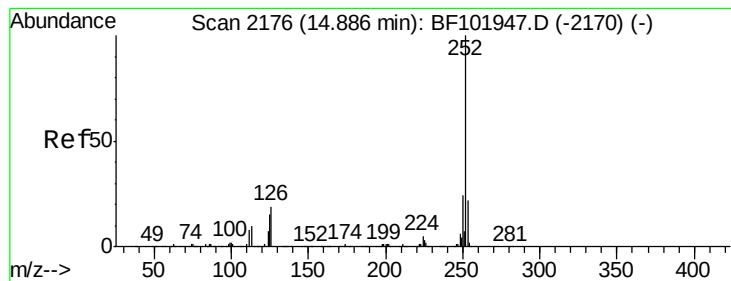
Tgt Ion: 276 Resp: 81472
 Ion Ratio Lower Upper
 276 100
 138 28.9 25.0 37.6
 277 25.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102212.D
 Acq: 19 Jan 2018 10:15

Tgt Ion: 264 Resp: 239612
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.0 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 18.731 ng

RT: 14.89 min Scan# 2177

Delta R.T. 0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0

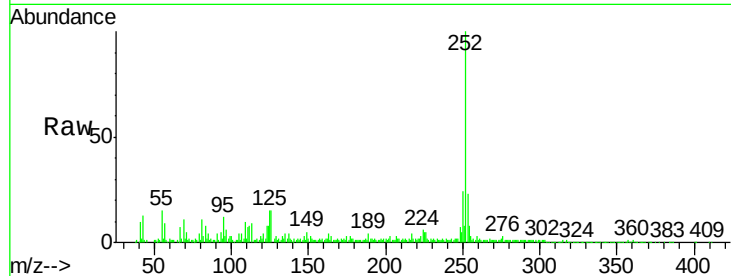
Tgt Ion:252 Resp: 292644

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

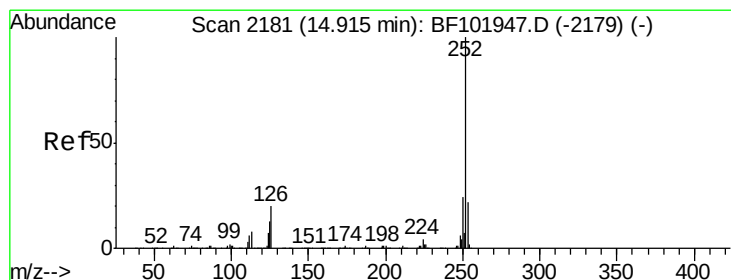
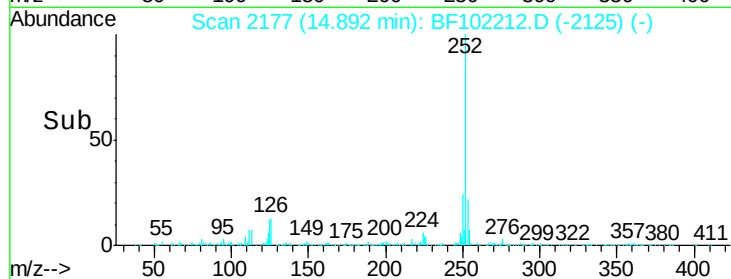
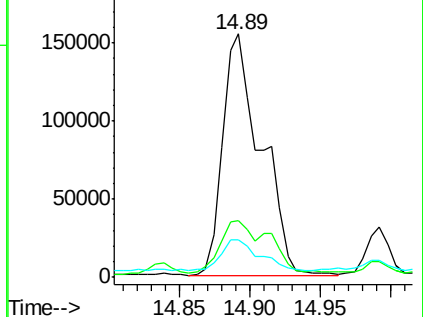
125 15.5 9.0 13.6#



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: 19.417 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

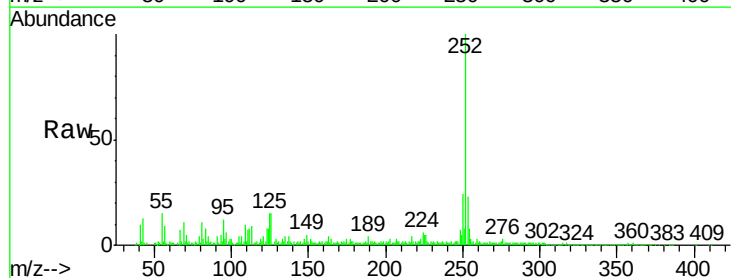
Tgt Ion:252 Resp: 292644

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

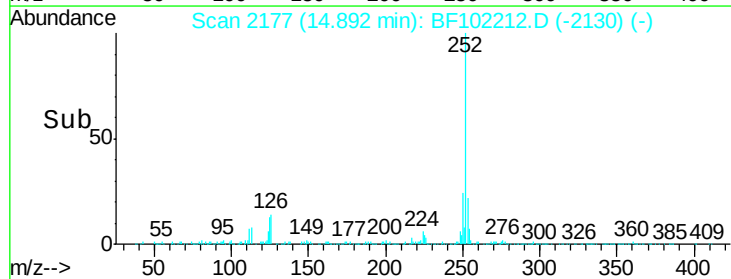
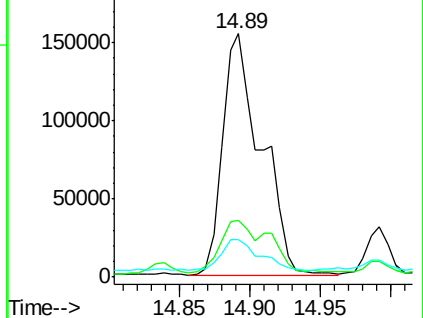
125 15.5 10.2 15.2#

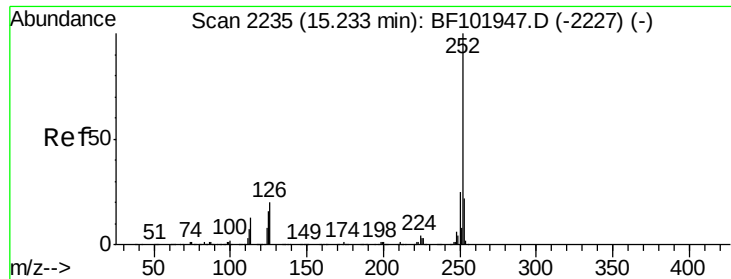


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.700 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

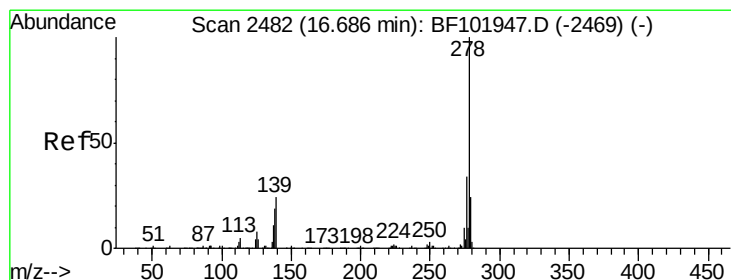
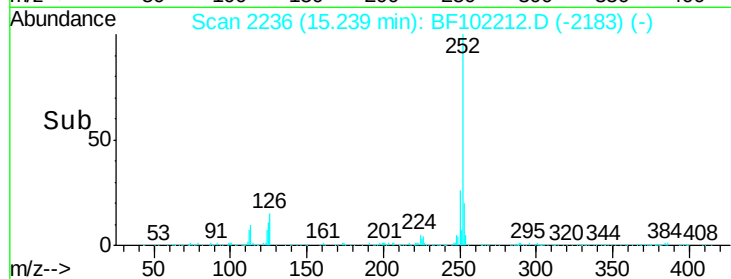
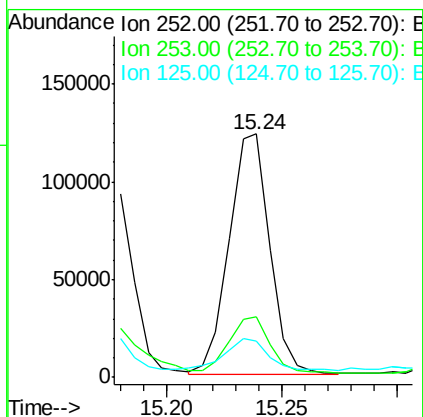
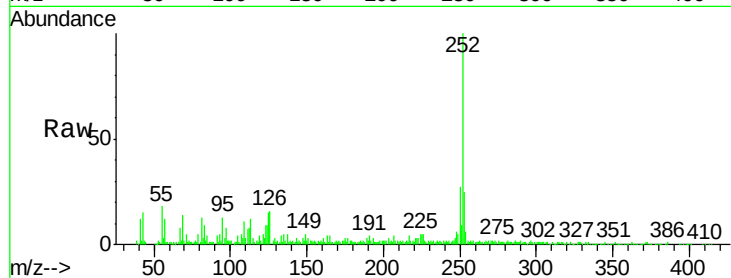
Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0

Tgt Ion:	252	Resp:	150431
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	14.7	9.8	14.6#



#90

Dibenzo(a,h)anthracene

Concen: 2.018 ng

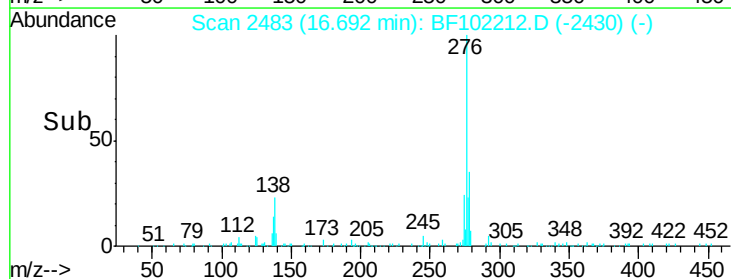
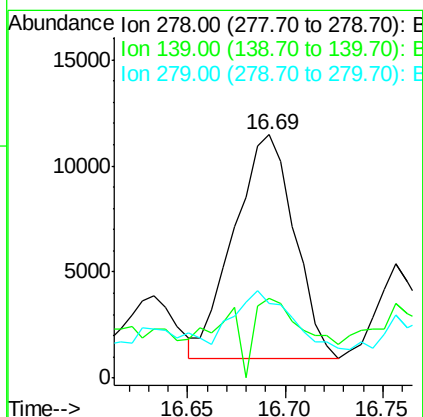
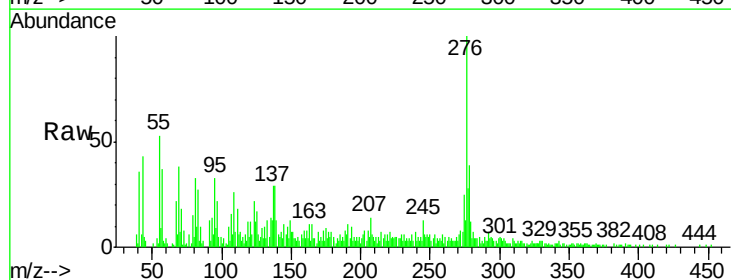
RT: 16.69 min Scan# 2483

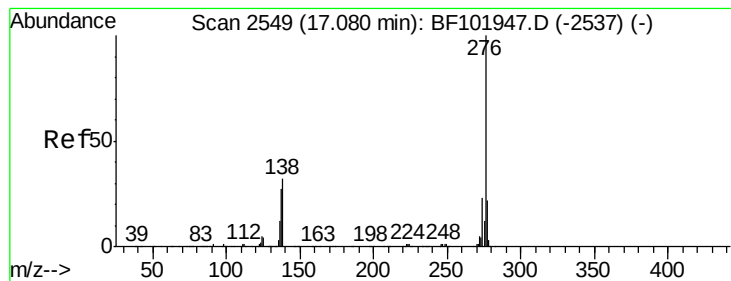
Delta R.T. 0.01 min

Lab File: BF102212.D

Acq: 19 Jan 2018 10:15

Tgt Ion:	278	Resp:	22638
Ion	Ratio	Lower	Upper
278	100		
139	32.9	15.9	23.9#
279	30.8	19.0	28.4#





#91

Benzo(g,h,i)perylene

Concen: 7.072 ng

RT: 17.10 min Scan# 2552

Delta R.T. 0.02 min

Lab File: BF102212.D

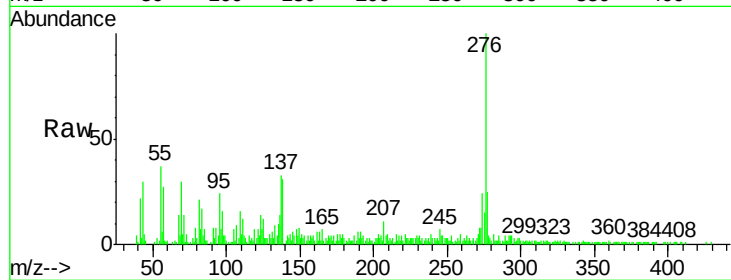
Acq: 19 Jan 2018 10:15

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0



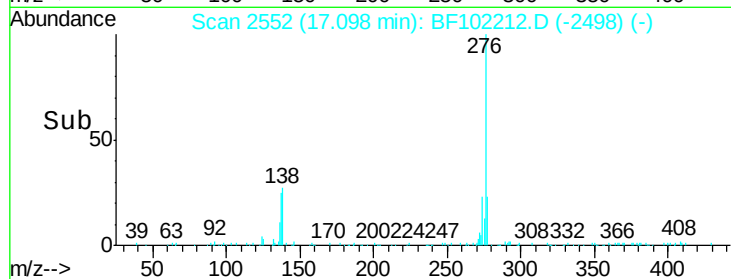
Tgt Ion: 276 Resp: 79923

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 30.6 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

