

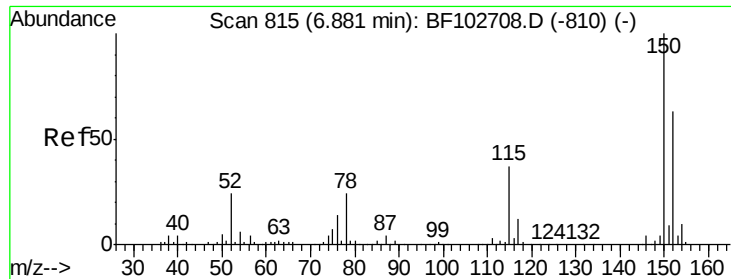
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102822.D
 Acq On : 7 Feb 2018 18:59
 Operator : SJ/JU
 Sample : J1400-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 02:18:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	194297	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	777820	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	344723	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	528883	20.00	ng	0.00
75) Chrysene-d12	14.04	240	371179	20.00	ng	0.00
86) Perylene-d12	15.53	264	369121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	660111	51.60	ng	0.00
7) Phenol-d6	6.50	99	782626	50.80	ng	0.00
23) Nitrobenzene-d5	7.44	82	479928	42.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	153063	55.17	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	810569	39.02	ng	-0.01
78) Terphenyl-d14	12.99	244	571976	36.49	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.51	94	61026	3.70	ng	97
19) n-Nitroso-di-n-propylamine	7.44	70	65012	6.40	ng	# 83
24) Nitrobenzene	7.48	77	108	Below Cal		# 38
25) Isophorone	7.44	82	477419	18.49	ng	# 64
32) Benzoic acid	7.70	122	129	8.56	ng	# 1
47) 2-Nitroaniline	9.47	65	262	3.51	ng	# 1
49) Dimethylphthalate	9.63	163	64765	2.41	ng	99
50) 2,6-Dinitrotoluene	9.92	165	44546	8.71	ng	# 26
55) 4-Nitrophenol	10.03	139	830	4.18	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	45790	9.32	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	138	8.85	ng	# 1
74) Fluoranthene	12.62	202	64536	2.18	ng	98
77) Pvrene	12.85	202	68513	2.35	ng	99
87) Benzo(b)fluoranthene	15.09	252	55368	2.31	ng	# 62
88) Benzo(k)fluoranthene	15.09	252	55368	2.42	ng	# 65

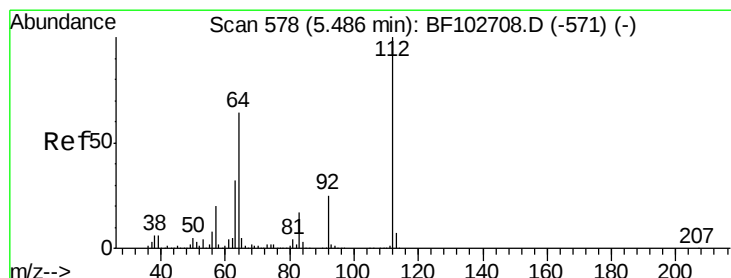
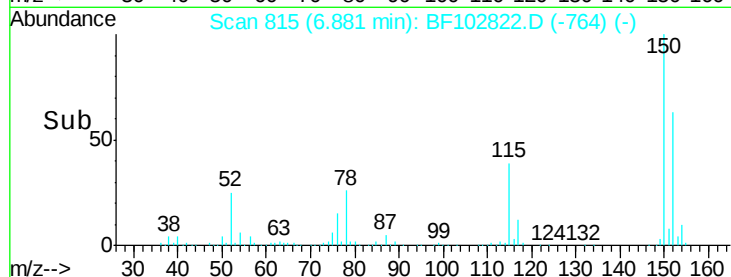
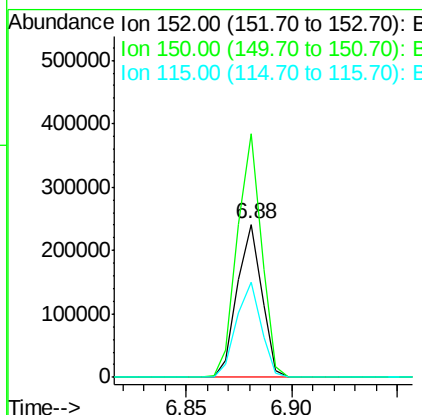
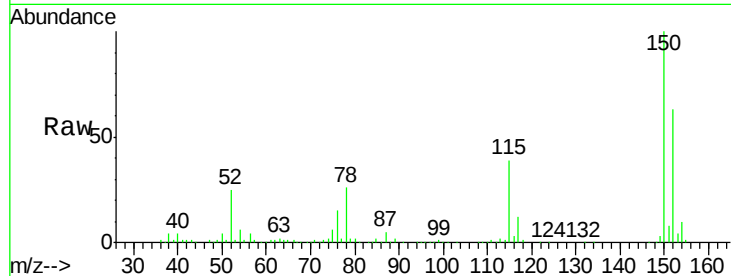
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF102822.D
 Acq: 7 Feb 2018 18:59

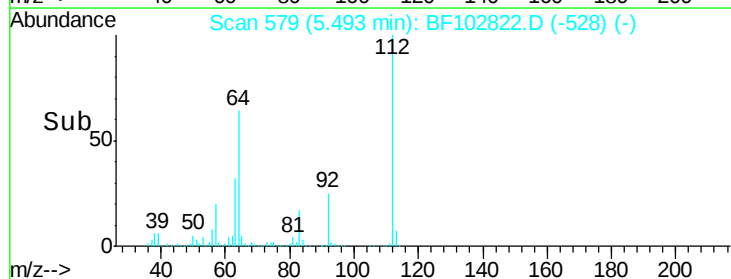
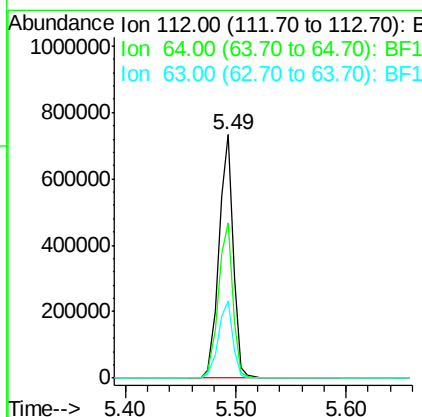
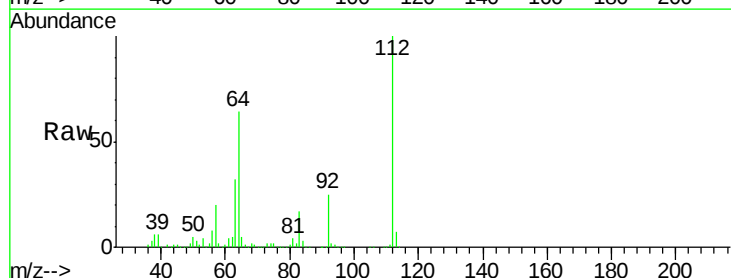
Instrument :
 BNA_F
 ClientSampleId :

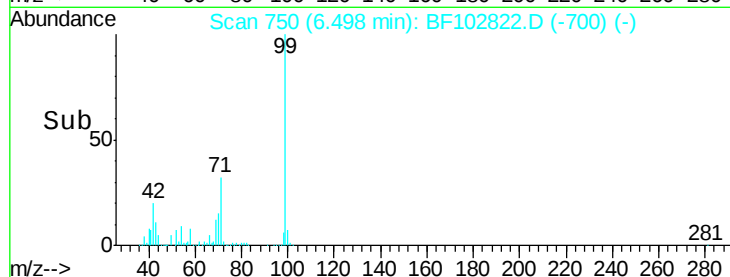
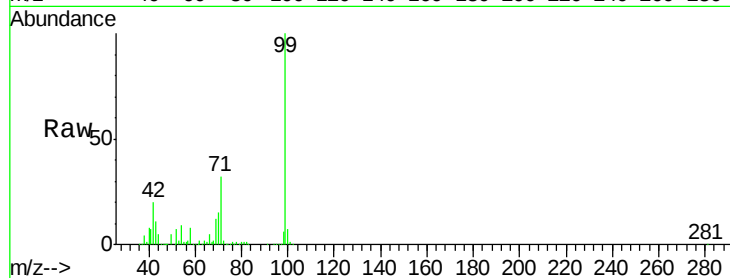
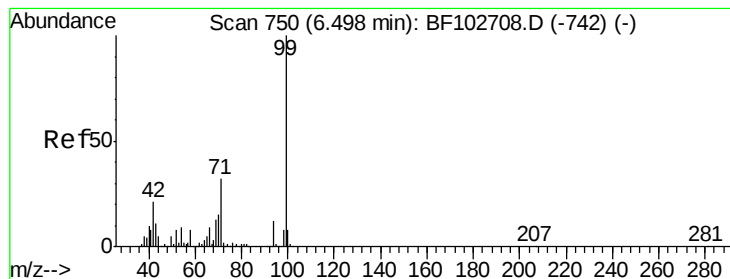
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	62.1	50.1	75.1



#5
 2-Fluorophenol
 Concen: 51.60 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF102822.D
 Acq: 7 Feb 2018 18:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	47.9	71.9
63	31.7	23.7	35.5





#7

Phenol-d6

Concen: 50.80 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

Instrument :

BNA_F

ClientSampleId :

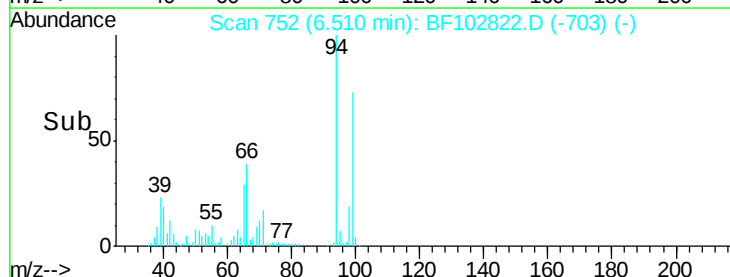
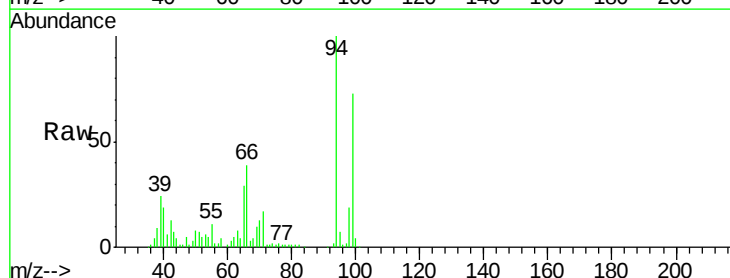
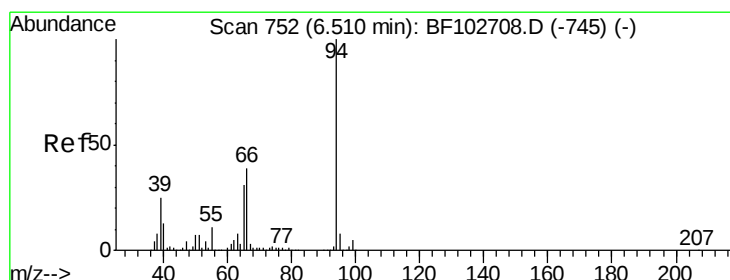
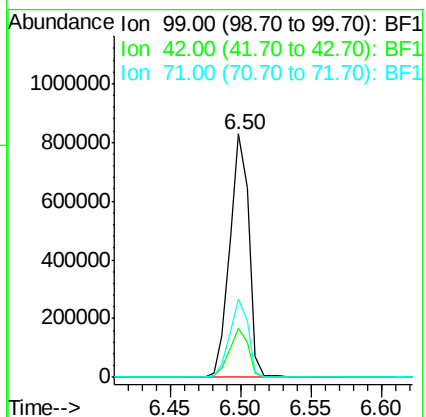
Tot Ion: 99 Resp: 782626

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 32.1 25.4 38.0



#10

Phenol

Concen: 3.70 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

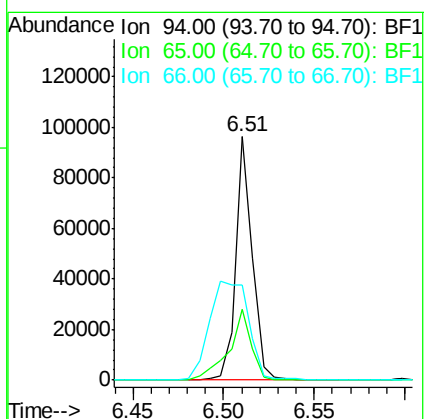
Tgt Ion: 94 Resp: 61026

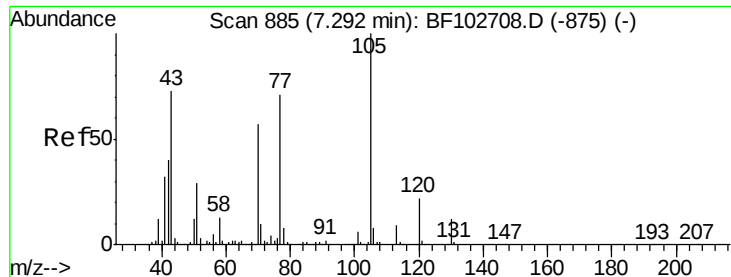
Ion Ratio Lower Upper

94 100

65 28.9 7.9 47.9

66 38.9 16.2 56.2

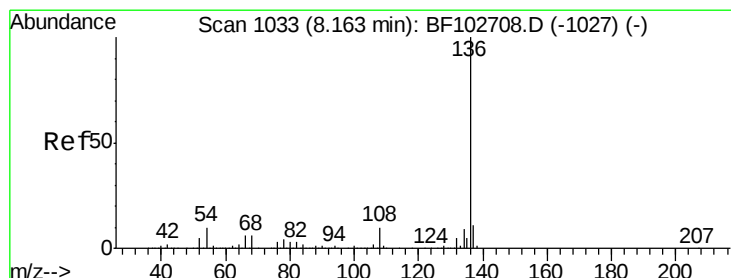
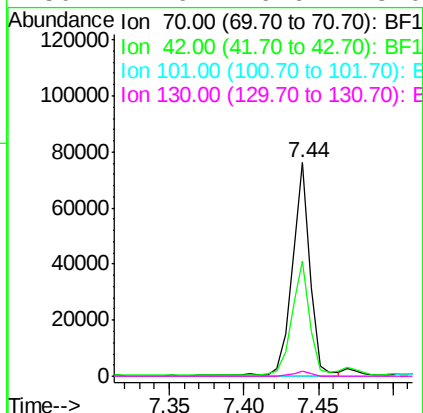
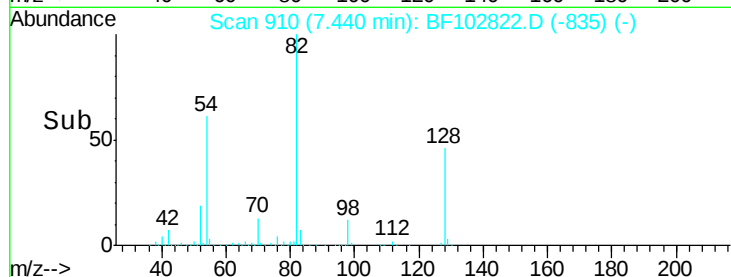
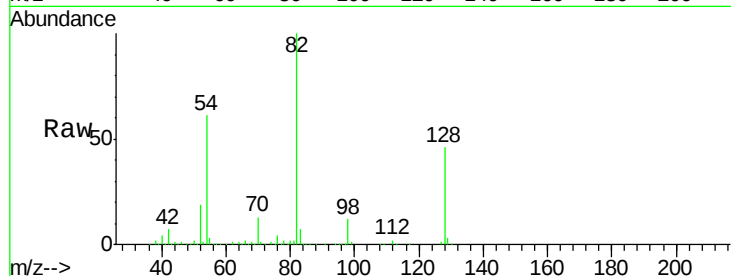




#19
n-Nitroso-di-n-propylamine
Concen: 6.40 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF102822.D
Acq: 7 Feb 2018 18:59

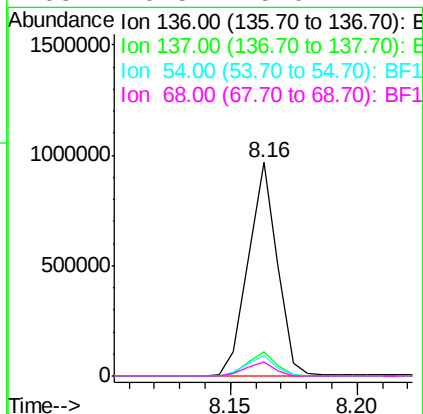
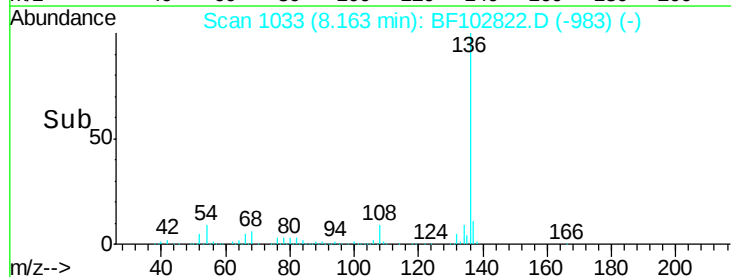
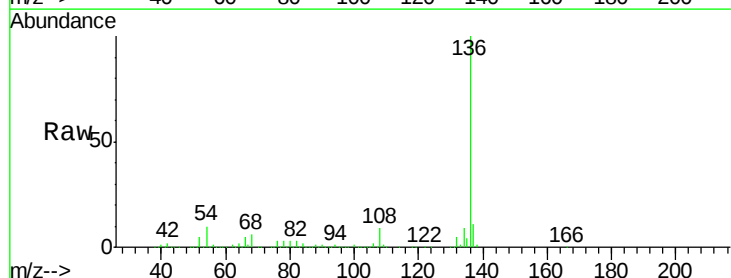
Instrument :
BNA_F
ClientSampleId :

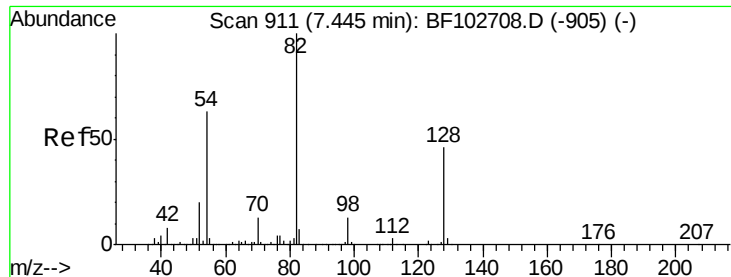
Tot Ion: 70 Resp: 65012
Ion Ratio Lower Upper
70 100
42 53.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102822.D
Acq: 7 Feb 2018 18:59

Tgt Ion: 136 Resp: 777820
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.5 6.6 9.8
68 6.5 5.0 7.4

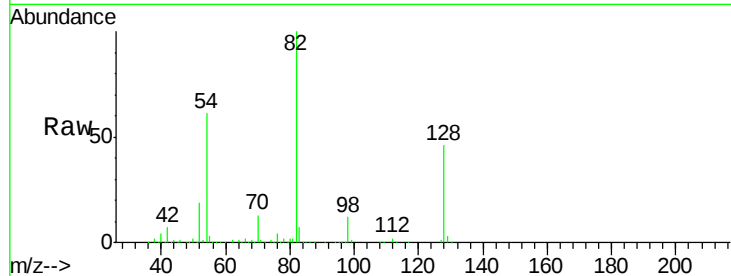




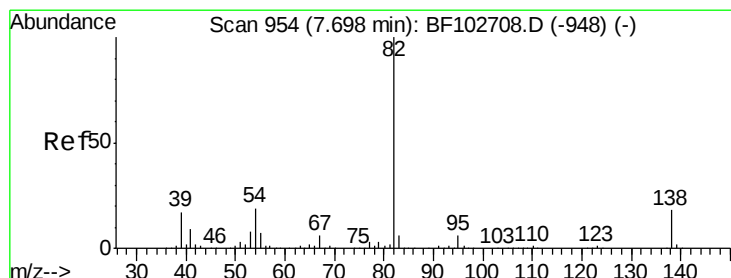
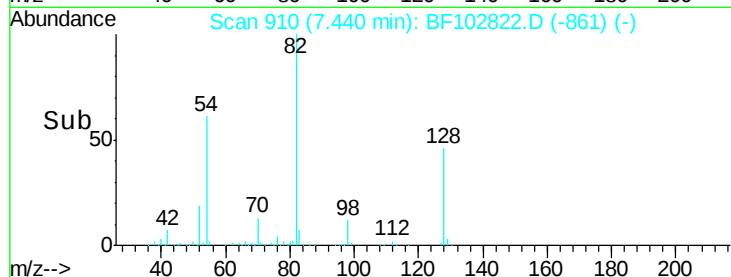
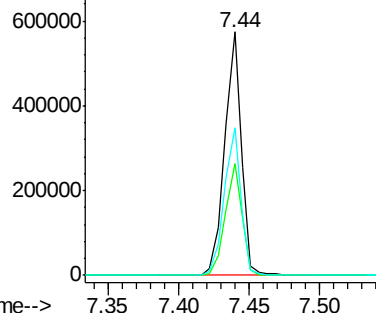
#23
Nitrobenzene-d5
Concen: 42.80 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102822.D
Acq: 7 Feb 2018 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	60.6	41.4	62.2

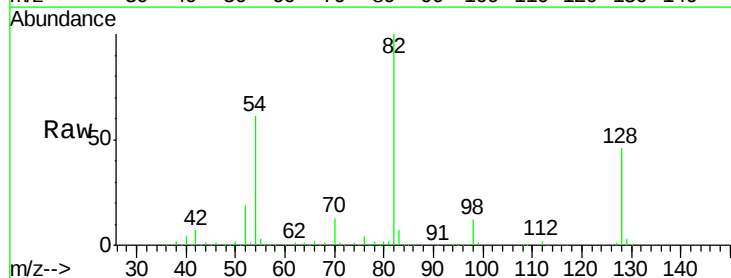


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

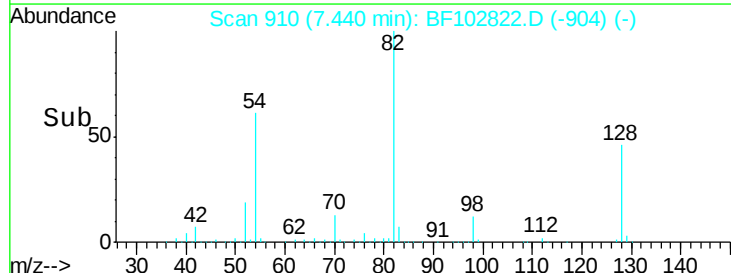
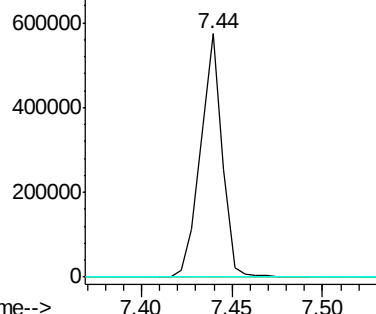


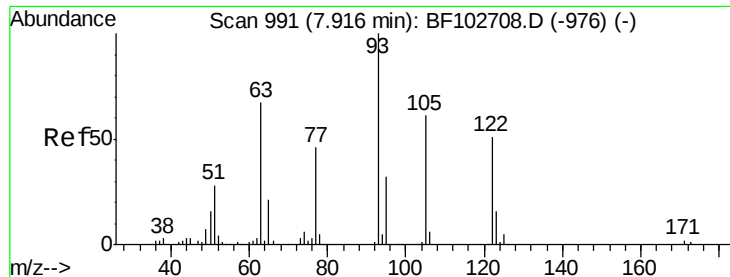
#25
Isophorone
Concen: 18.49 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF102822.D
Acq: 7 Feb 2018 18:59

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





#32

Benzoic acid

Concen: 8.56 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.23 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

Instrument :

BNA_F

ClientSampleId :

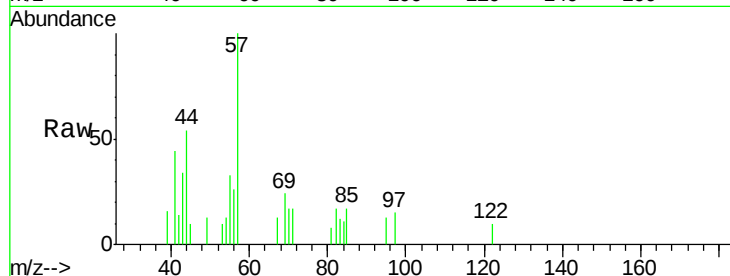
Tot Ion:122 Resp: 129

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

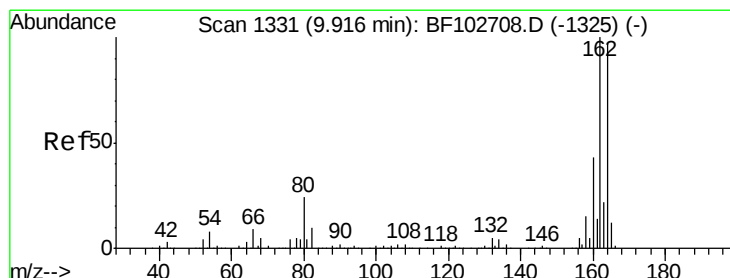
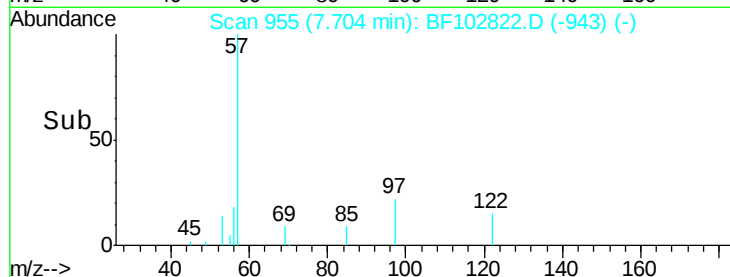
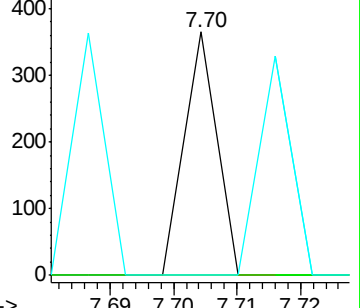
77 0.0 70.7 110.7#



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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

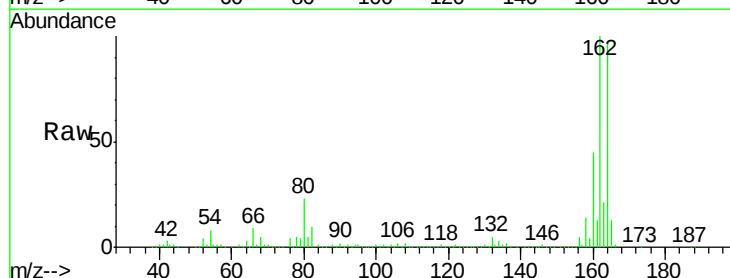
Tgt Ion:164 Resp: 344723

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

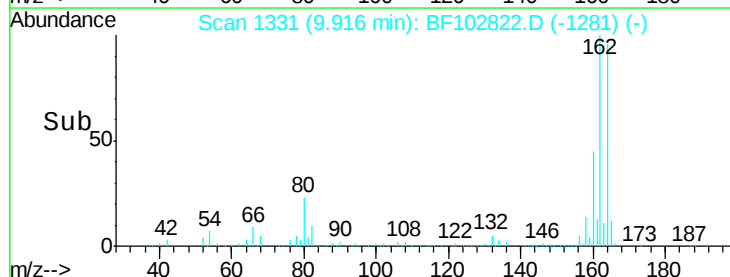
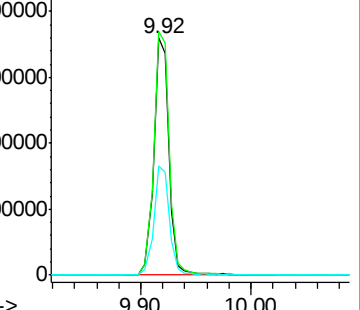
160 46.0 38.3 57.5

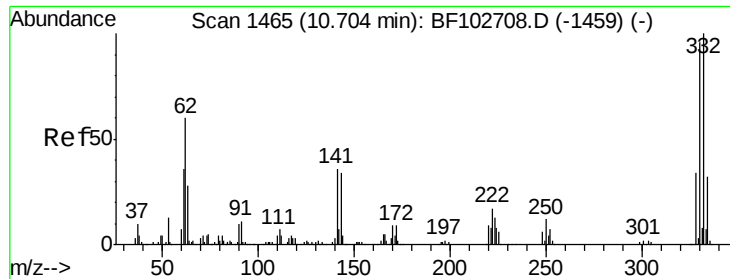


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

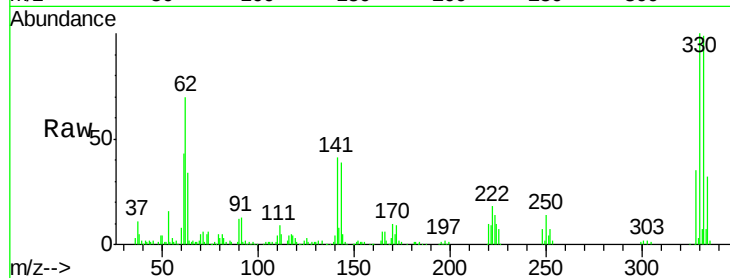




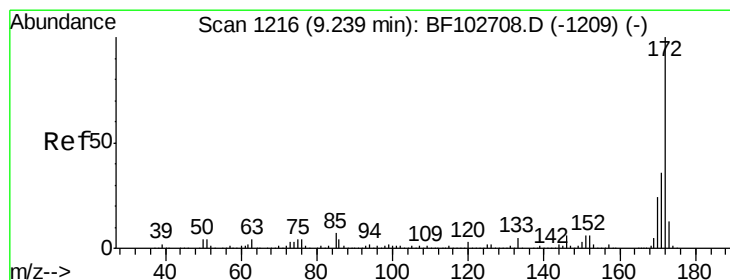
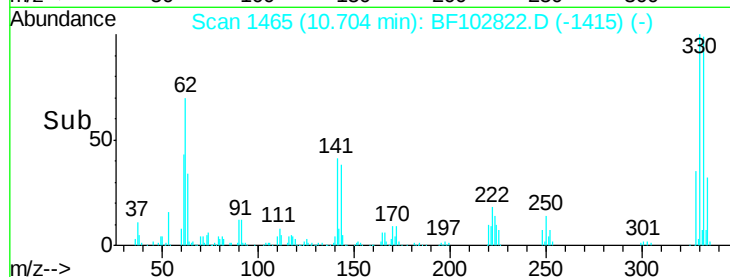
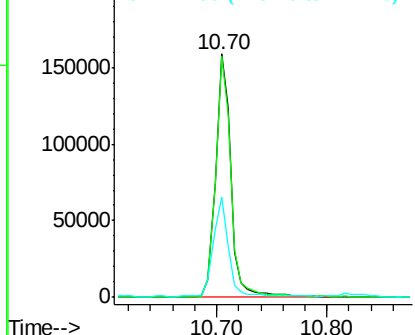
#41
 2,4,6-Tribromophenol
 Concen: 55.17 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102822.D
 Acq: 7 Feb 2018 18:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.0	115.6
141	40.6	29.9	44.9

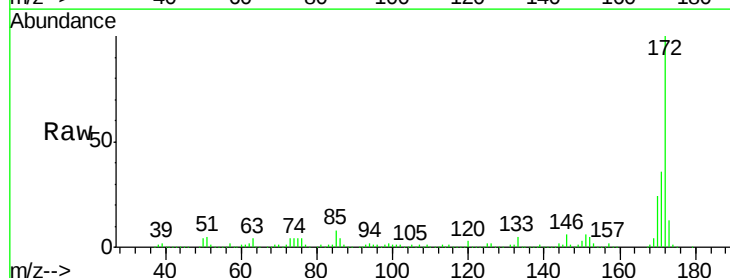


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

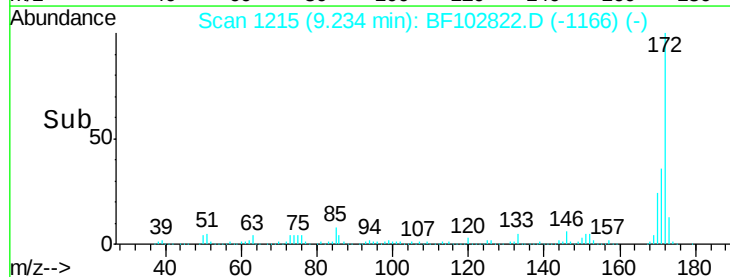
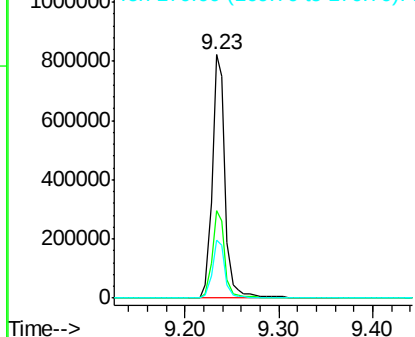


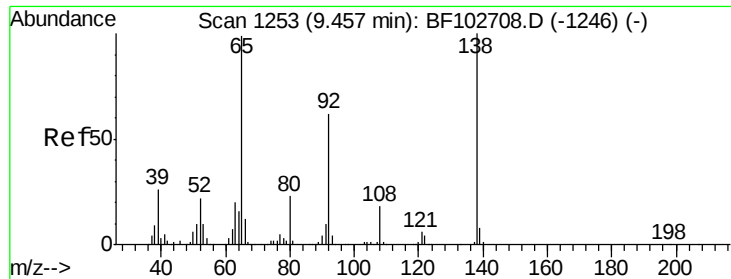
#44
 2-Fluorobiphenyl
 Concen: 39.02 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102822.D
 Acq: 7 Feb 2018 18:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.1	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: 3.51 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

Instrument :

BNA_F

ClientSampled :

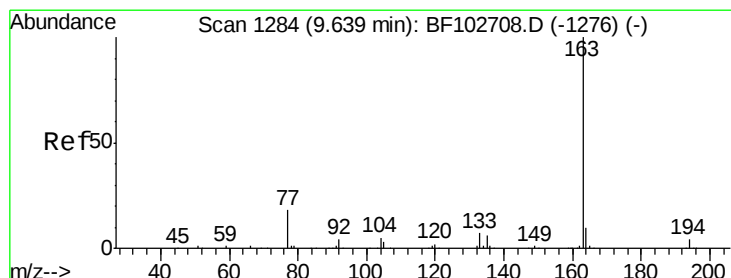
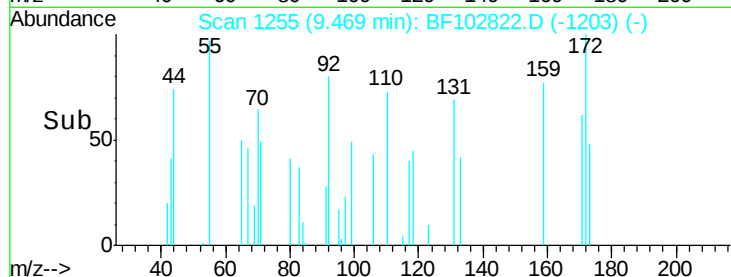
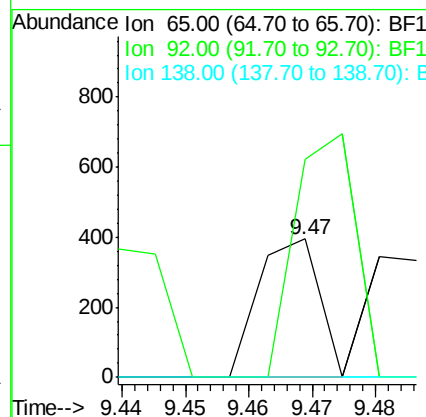
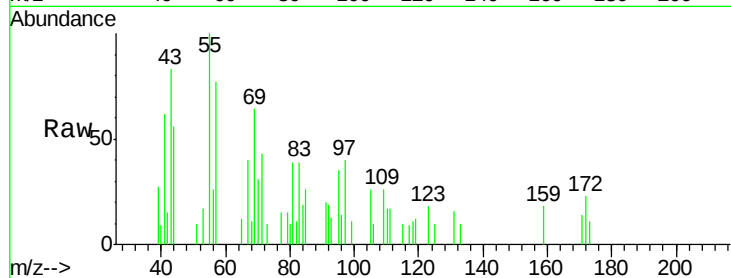
Tot Ion: 65 Resp: 262

Ion Ratio Lower Upper

65 100

92 158.4 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 2.41 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

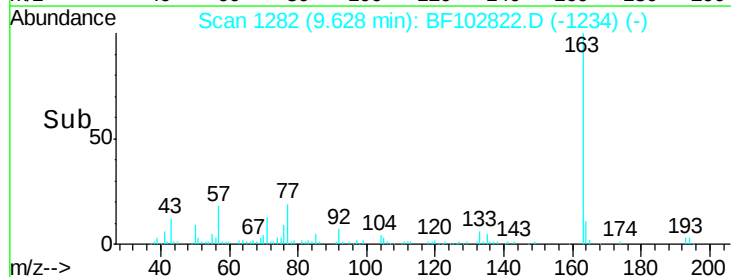
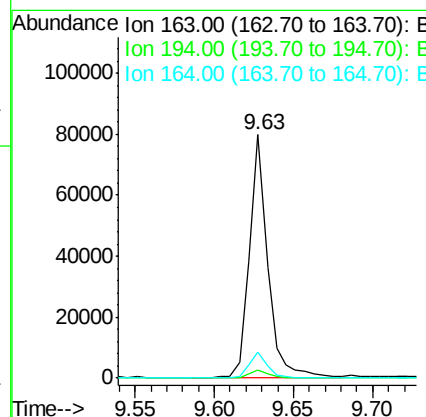
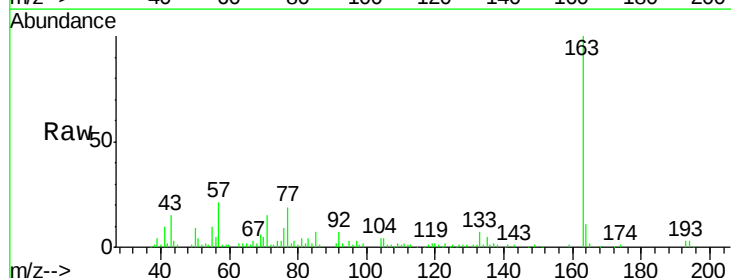
Tgt Ion:163 Resp: 64765

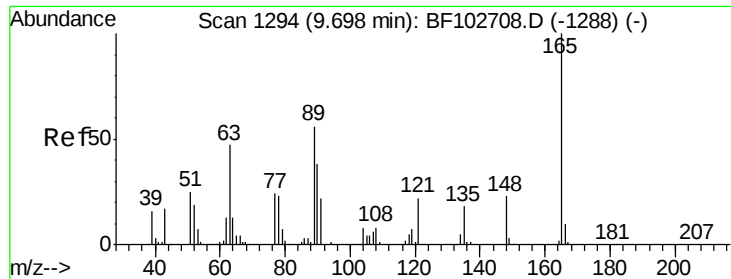
Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

164 10.7 8.2 12.2

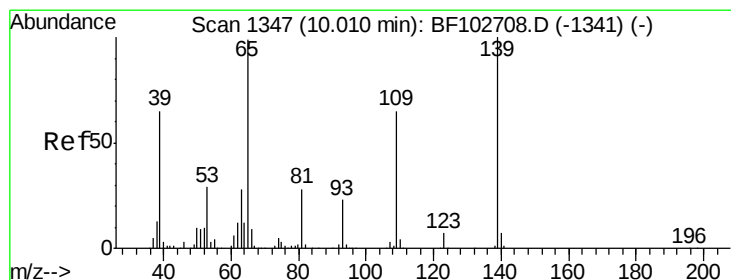
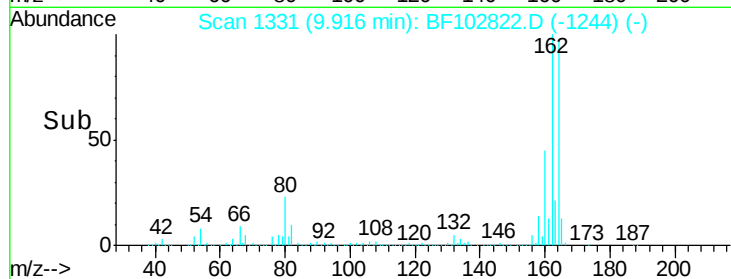
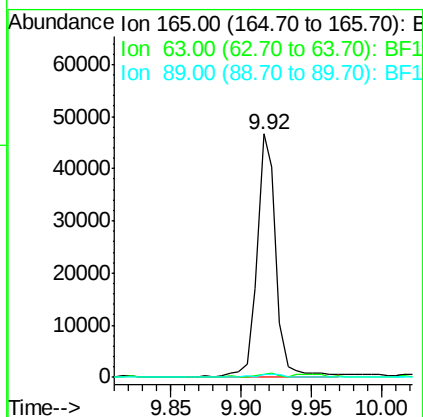
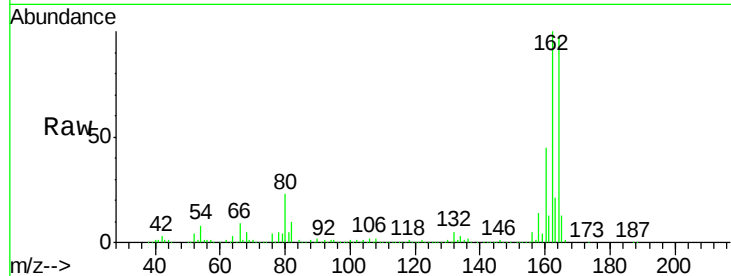




#50
 2,6-Dinitrotoluene
 Concen: 8.71 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF102822.D
 Acq: 7 Feb 2018 18:59

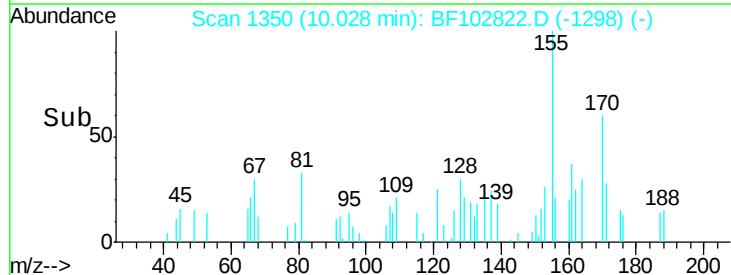
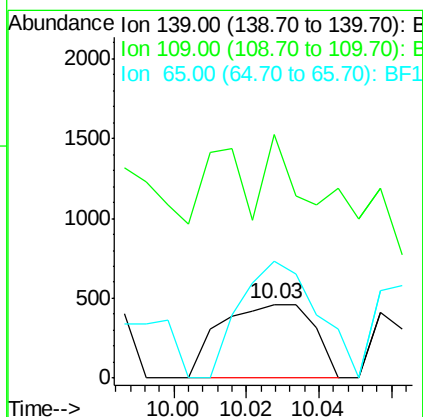
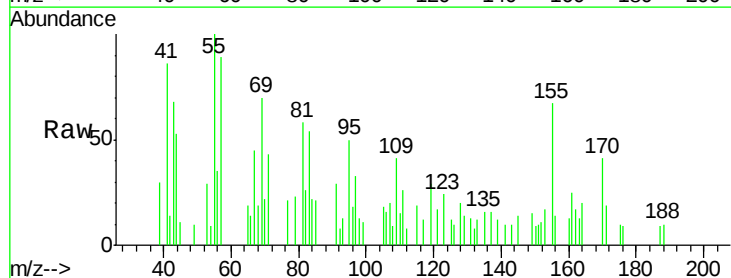
Instrument :
 BNA_F
 ClientSampleId :

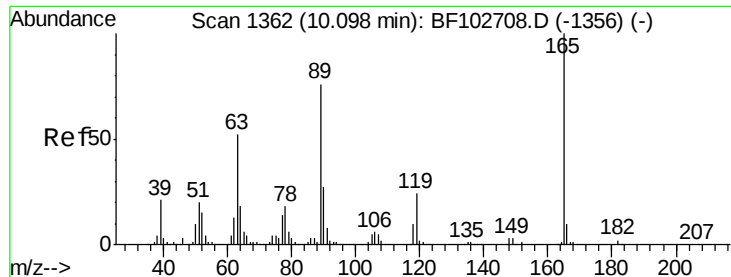
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.4	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.18 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. 0.01 min
 Lab File: BF102822.D
 Acq: 7 Feb 2018 18:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	330.1	48.4	88.4#
65	157.8	72.6	112.6#

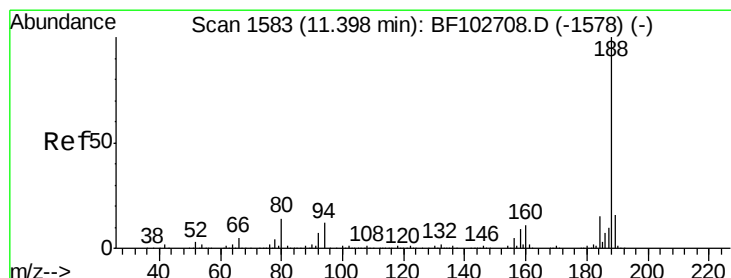
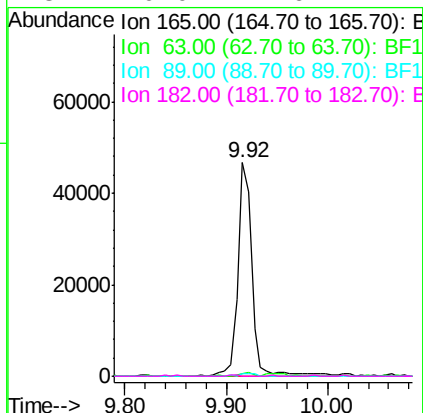
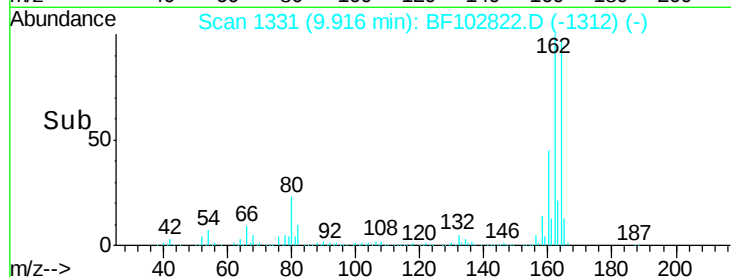
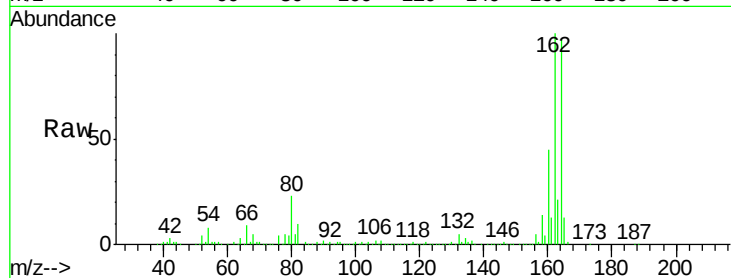




#56
2,4-Dinitrotoluene
Concen: 9.32 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF102822.D
Acq: 7 Feb 2018 18:59

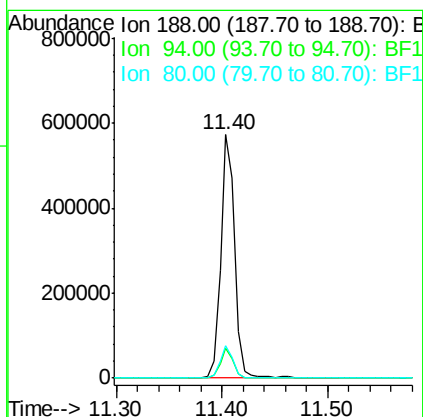
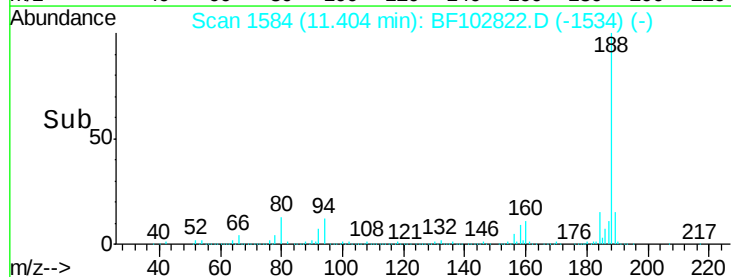
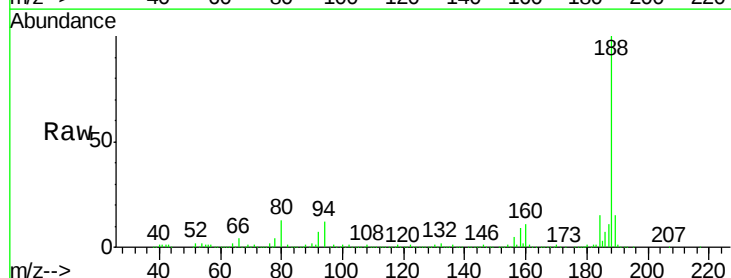
Instrument :
BNA_F
ClientSampleId :

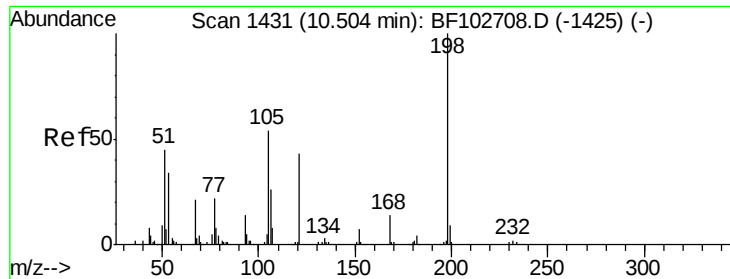
Tot Ion:165 Resp: 45790
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102822.D
Acq: 7 Feb 2018 18:59

Tgt Ion:188 Resp: 528883
Ion Ratio Lower Upper
188 100
94 12.3 8.5 12.7
80 13.1 9.2 13.8

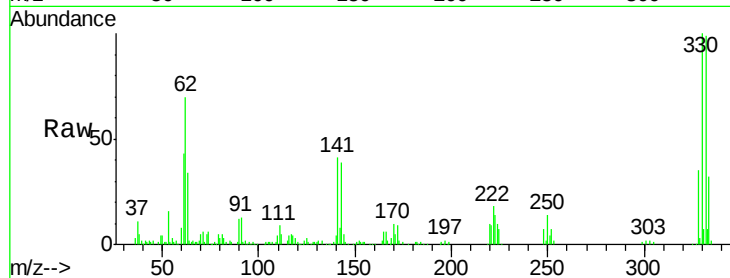




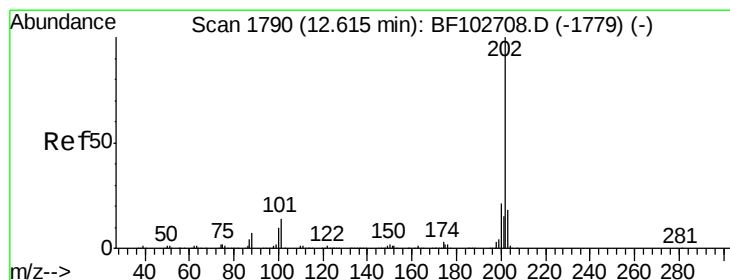
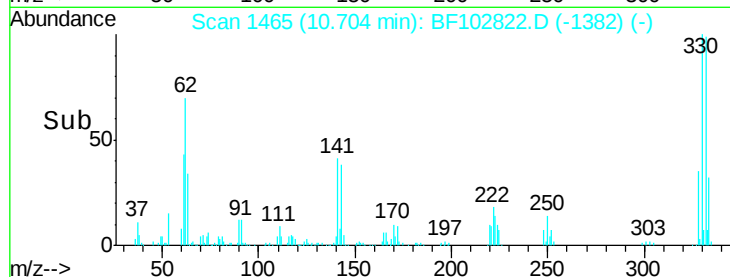
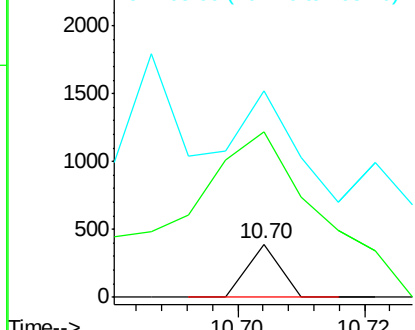
#64
4,6-Dinitro-2-methylphenol
Concen: 8.85 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF102822.D
Acq: 7 Feb 2018 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 138
Ion Ratio Lower Upper
198 100
51 313.6 37.7 77.7#
105 390.8 36.3 76.3#

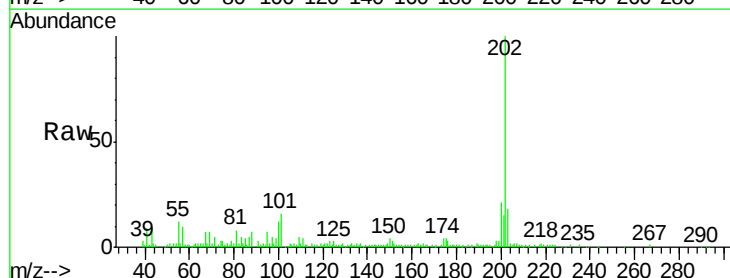


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

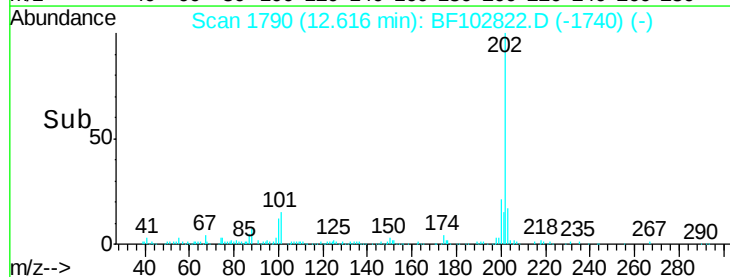
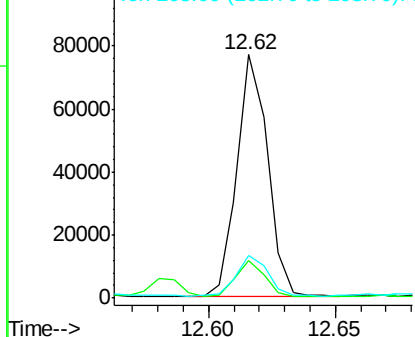


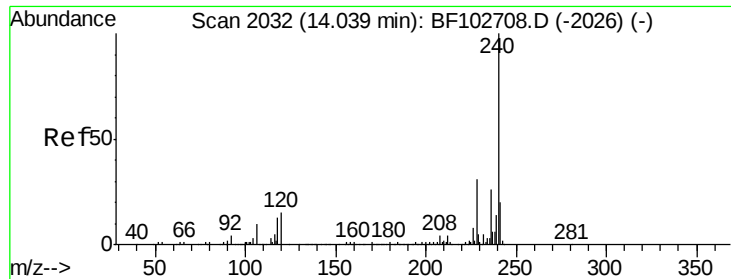
#74
Fluoranthene
Concen: 2.18 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF102822.D
Acq: 7 Feb 2018 18:59

Tgt Ion:202 Resp: 64536
Ion Ratio Lower Upper
202 100
101 15.6 0.0 34.1
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

Instrument :

BNA_F

ClientSampleId :

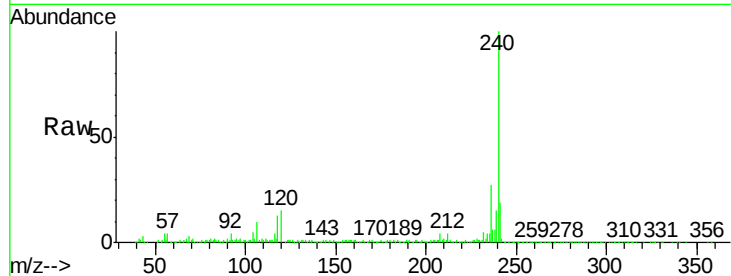
Tot Ion:240 Resp: 371179

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

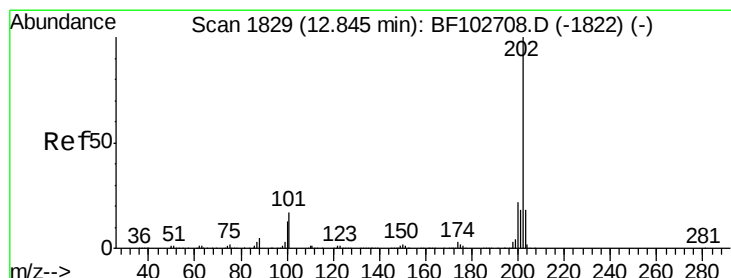
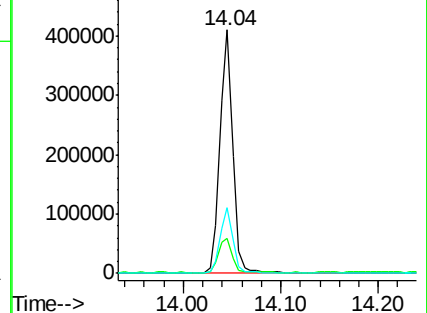
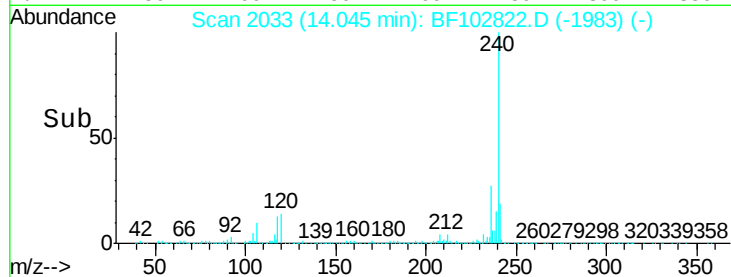
236 27.1 20.7 31.1



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: 2.35 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

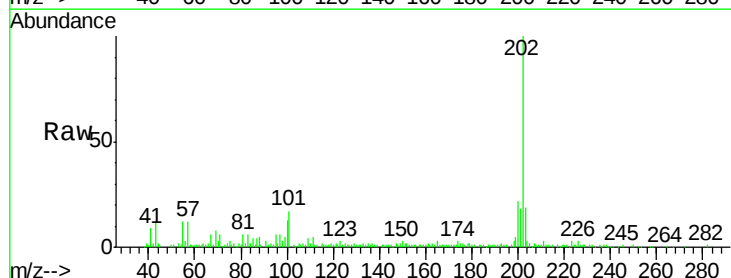
Tgt Ion:202 Resp: 68513

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

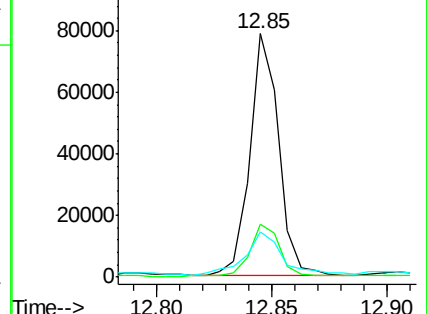
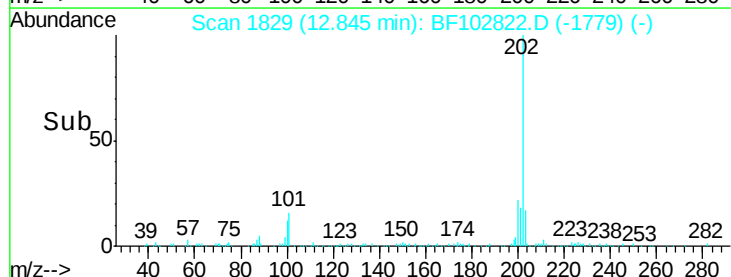
203 18.7 14.3 21.5

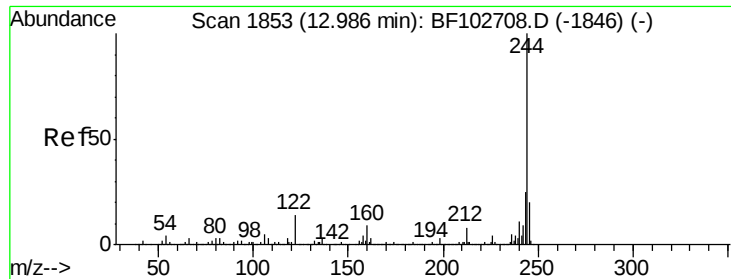


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

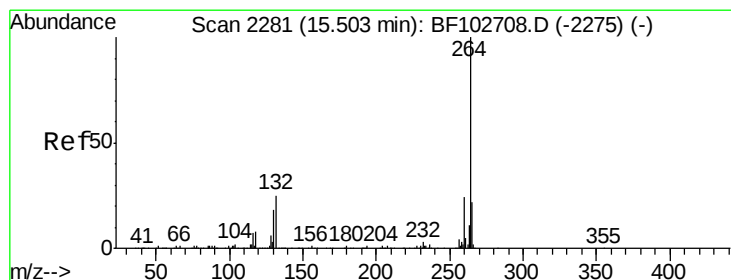
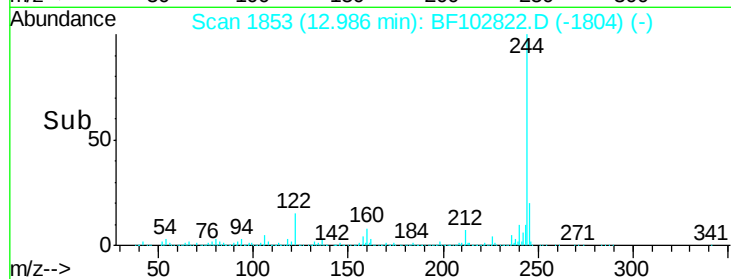
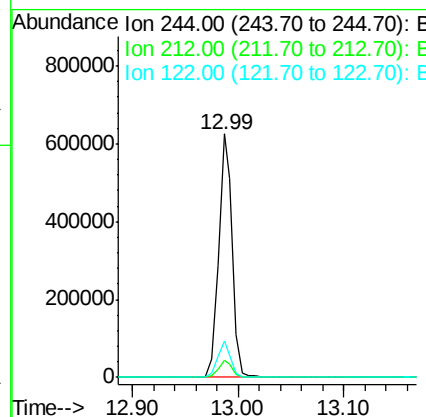
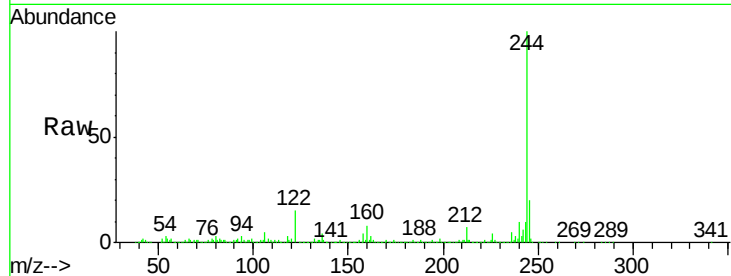




#78
 Terphenyl-d14
 Concen: 36.49 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF102822.D
 Acq: 7 Feb 2018 18:59

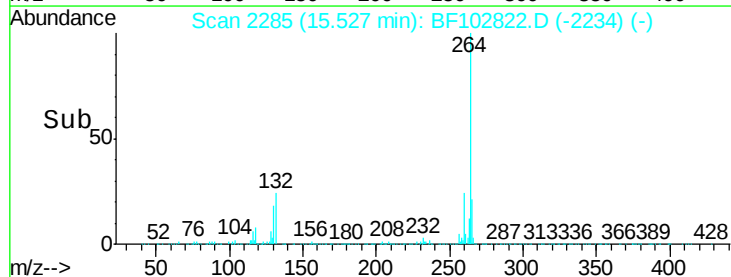
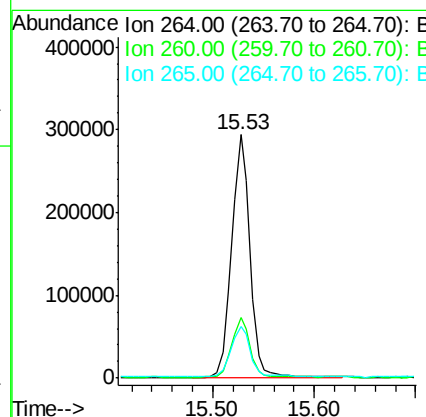
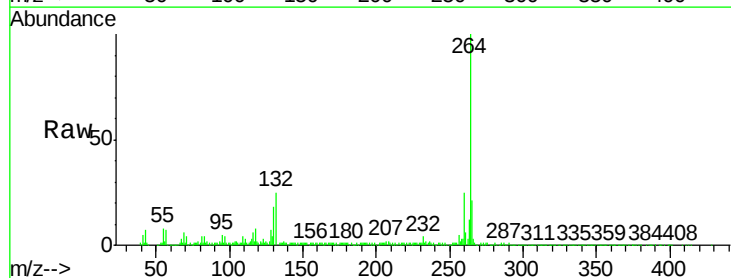
Instrument :
 BNA_F
 ClientSampleId :

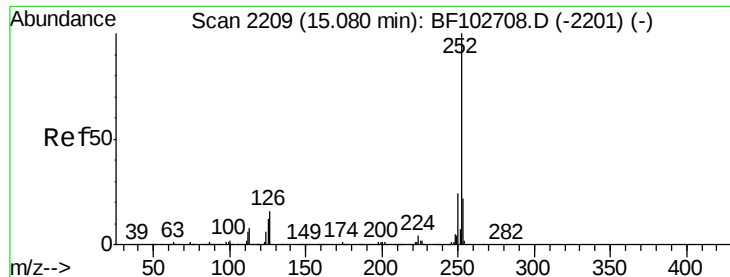
Tot Ion:244 Resp: 571976
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 15.0 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: BF102822.D
 Acq: 7 Feb 2018 18:59

Tgt Ion:264 Resp: 369121
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.2 28.8
 265 21.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.31 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

Instrument :

BNA_F

ClientSampleId :

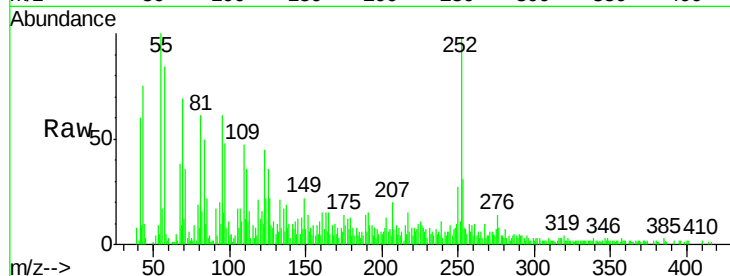
Tot Ion:252 Resp: 55368

Ion Ratio Lower Upper

252 100

253 31.9 17.0 25.6#

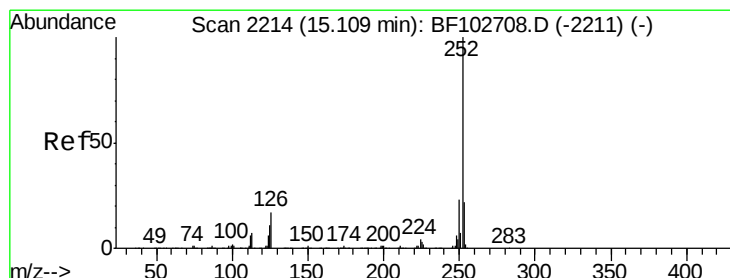
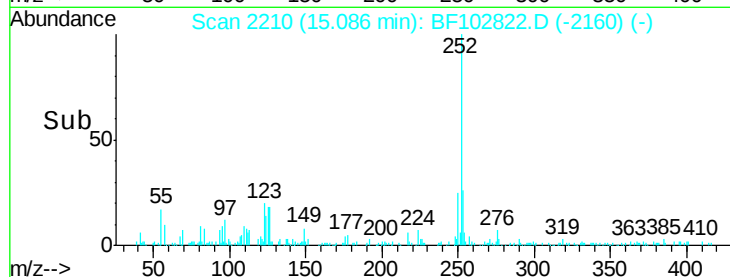
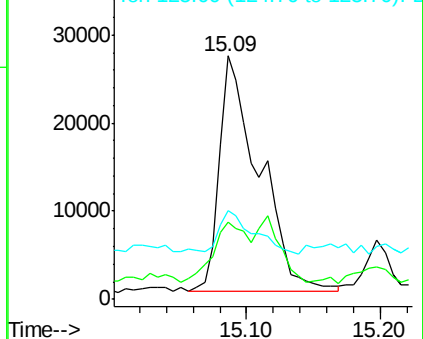
125 36.6 9.0 13.6#



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: 2.42 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.04 min

Lab File: BF102822.D

Acq: 7 Feb 2018 18:59

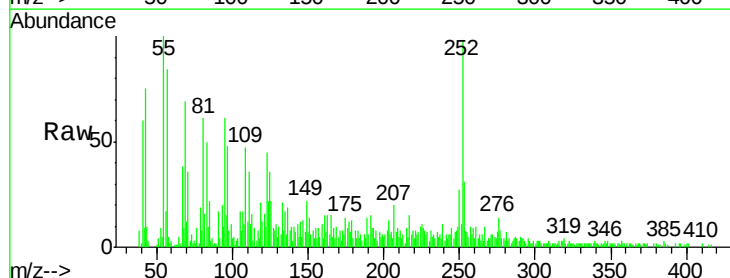
Tgt Ion:252 Resp: 55368

Ion Ratio Lower Upper

252 100

253 31.9 17.9 26.9#

125 36.6 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

