

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104844.D
 Acq On : 26 Apr 2018 18:28
 Operator : JU/SJ
 Sample : J2154-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:36:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	106886	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	387907	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	141781	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	215580	20.00	ng	0.00
75) Chrysene-d12	13.98	240	233601	20.00	ng	0.00
86) Perylene-d12	15.45	264	216966	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	861663	123.27	ng	0.00
7) Phenol-d6	6.45	99	1054086	122.73	ng	0.00
23) Nitrobenzene-d5	7.37	82	579731	97.59	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	173281	117.82	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	670770	74.74	ng	0.00
78) Terphenyl-d14	12.92	244	575404	56.16	ng	0.00

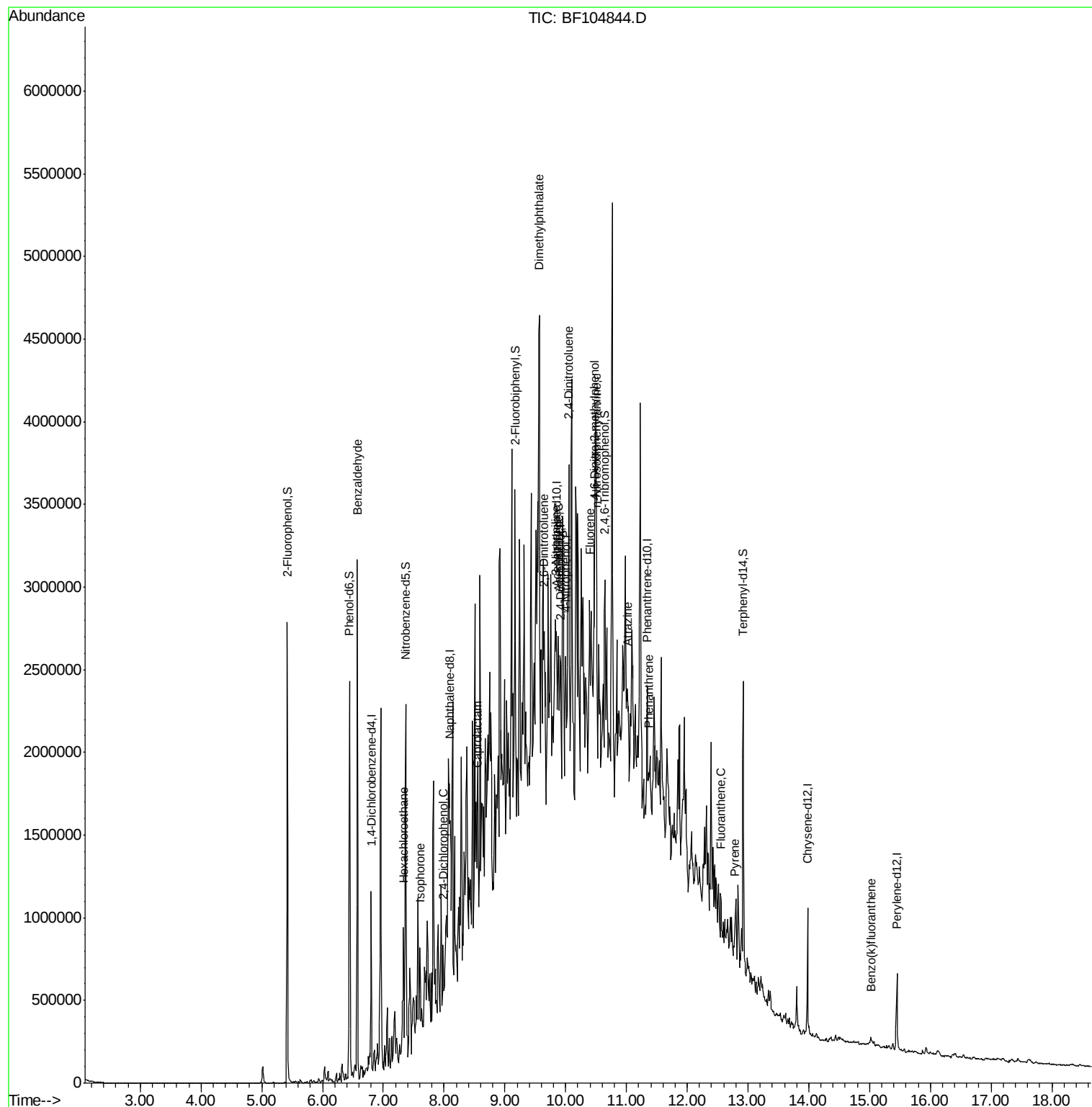
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	20260	2.332	ng	81
18) Hexachloroethane	7.33	117	26870	9.045	ng	# 1
25) Isophorone	7.60	82	31306	2.492	ng	# 1
29) 2,4-Dichlorophenol	7.99	162	12053	2.279	ng	# 52
35) Caprolactam	8.54	113	6858	3.716	ng	# 1
49) Dimethylphthalate	9.56	163	76866	6.875	ng	# 89
50) 2,6-Dinitrotoluene	9.65	165	4165	2.013	ng	# 50
51) Acenaphthene	9.88	154	51960	5.769	ng	92
52) 3-Nitroaniline	9.83	138	5322	2.197	ng	# 43
53) 2,4-Dinitrophenol	9.92	184	926	6.755	ng	# 1
55) 4-Nitrophenol	10.00	139	7276	3.824	ng	# 13
56) 2,4-Dinitrotoluene	10.06	165	26252	9.674	ng	# 59
57) Fluorene	10.40	166	89638	9.812	ng	# 83
64) 4,6-Dinitro-2-methylphenol	10.46	198	1820	8.815	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	195933	26.213	ng	# 49
68) Atrazine	11.03	200	5482	2.430	ng	# 64
70) Phenanthrene	11.36	178	45998	3.831	ng	# 63
74) Fluoranthene	12.55	202	43355	3.456	ng	82
76) Benzidine	12.65	184	1979	Below Cal		# 1
77) Pvrene	12.78	202	114788	6.629	ng	96
88) Benzo(k)fluoranthene	15.02	252	25978	2.008	ng	# 83

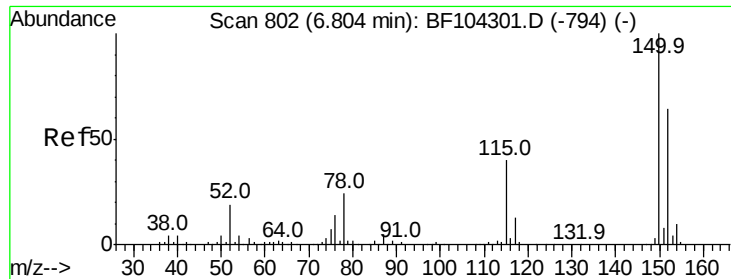
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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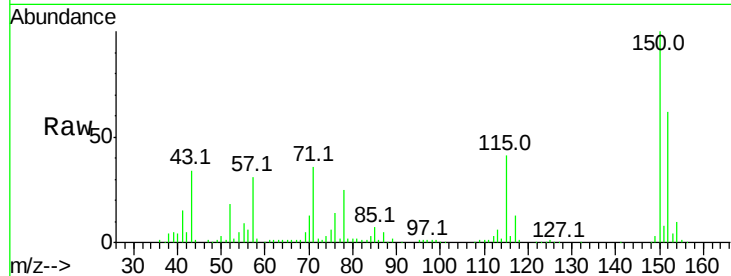


#1

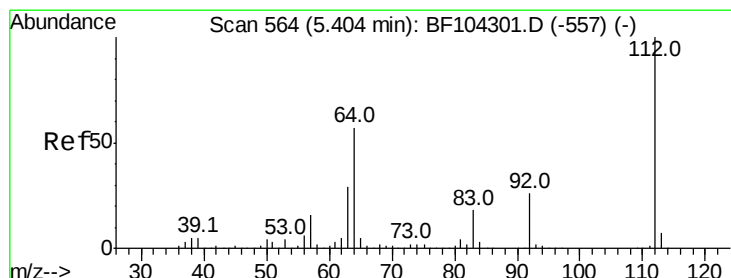
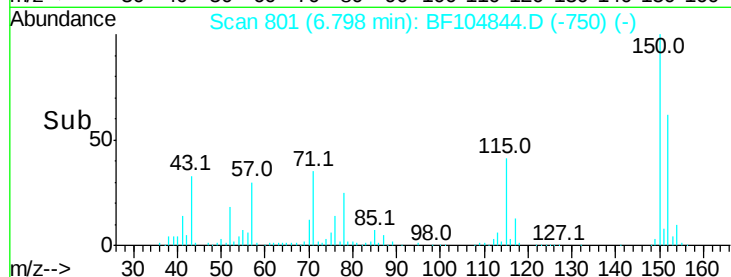
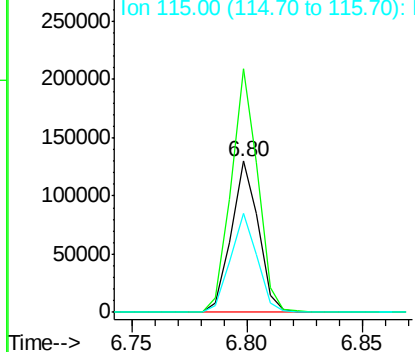
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF104844.D
 Acq: 26 Apr 2018 18:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 106886
 Ion Ratio Lower Upper
 152 100
 150 160.8 124.6 186.8
 115 65.5 50.1 75.1



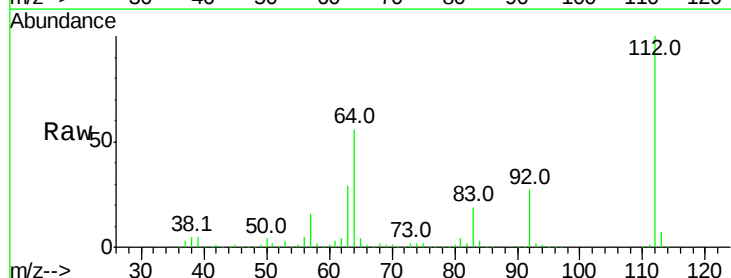
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



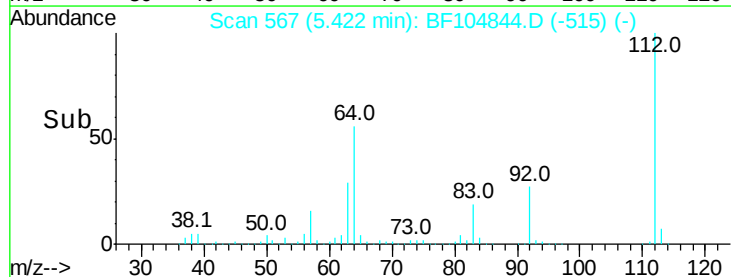
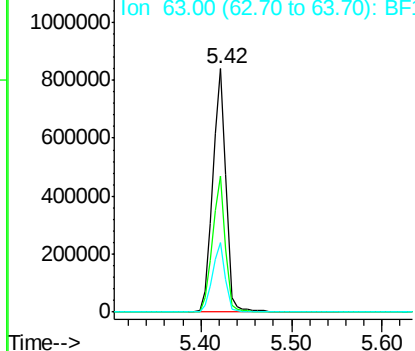
#5

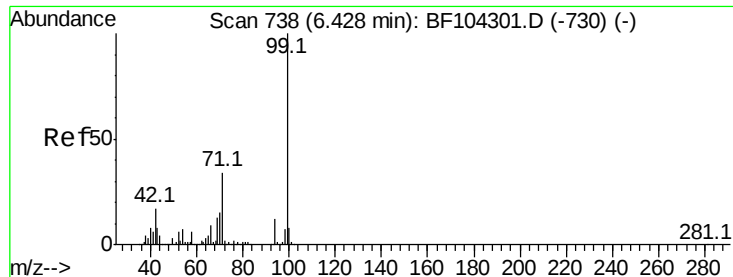
2-Fluorophenol
 Concen: 123.265 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104844.D
 Acq: 26 Apr 2018 18:28

Tgt Ion:112 Resp: 861663
 Ion Ratio Lower Upper
 112 100
 64 55.8 47.9 71.9
 63 28.7 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: 122.727 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

Instrument :

BNA_F

ClientSampleId :

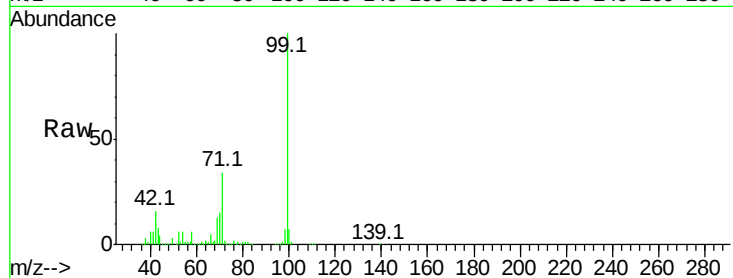
Tot Ion: 99 Resp: 1054086

Ion Ratio Lower Upper

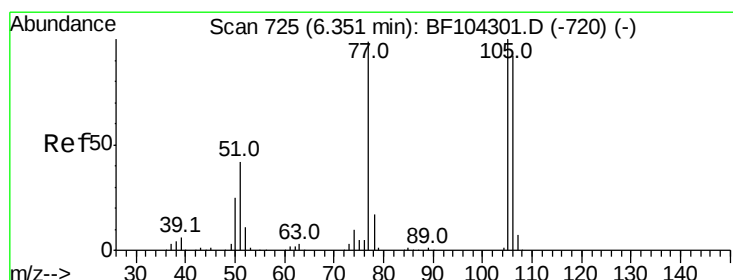
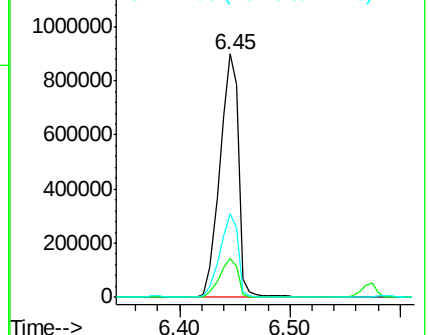
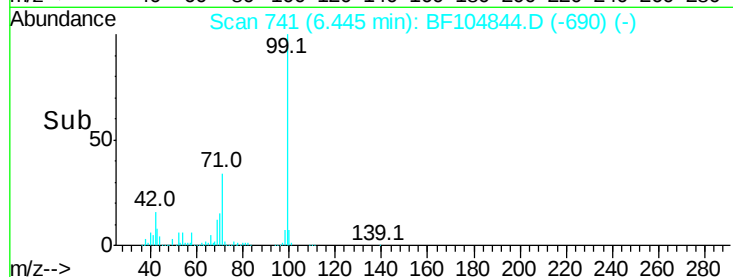
99 100

42 16.0 14.5 21.7

71 34.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.332 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.22 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

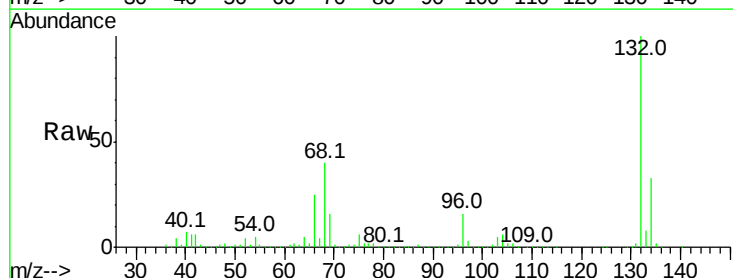
Tgt Ion: 77 Resp: 20260

Ion Ratio Lower Upper

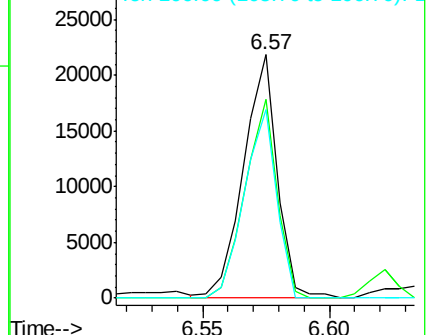
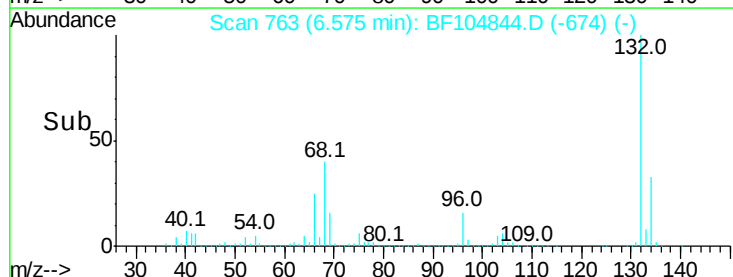
77 100

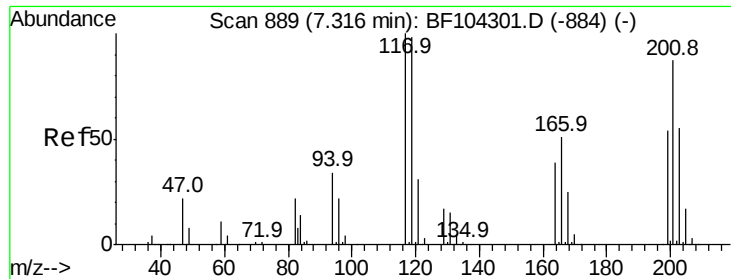
105 81.6 81.1 121.1

106 77.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

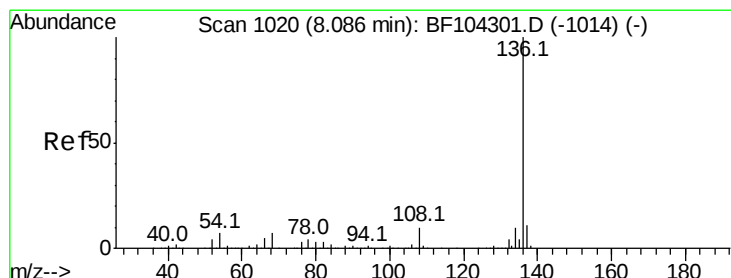
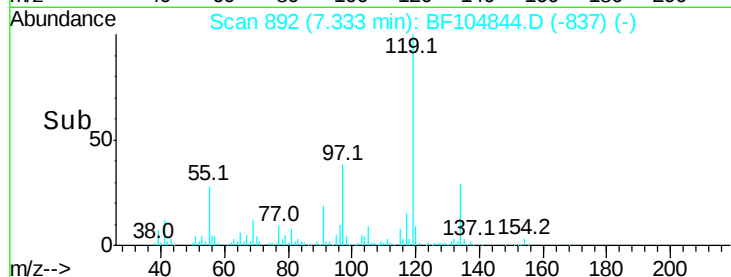
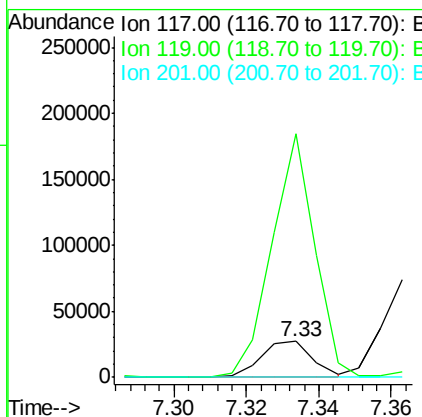
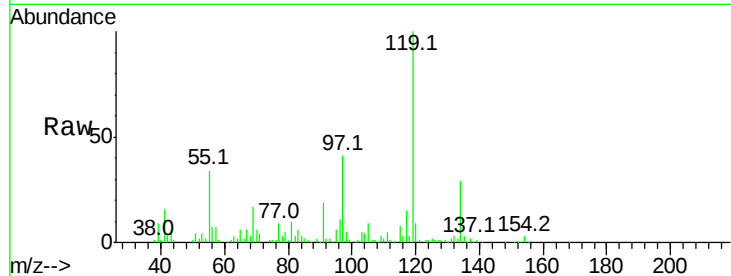




#18
Hexachloroethane
Concen: 9.045 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.02 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

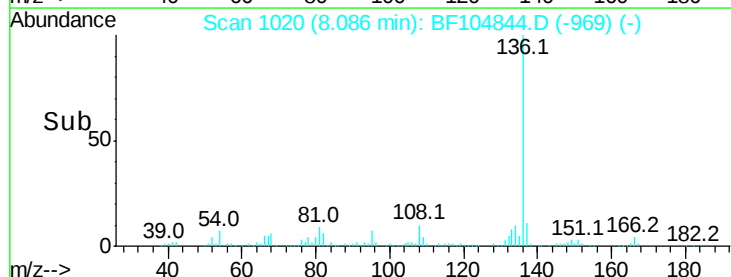
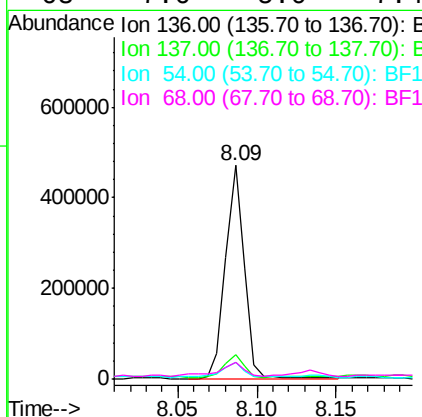
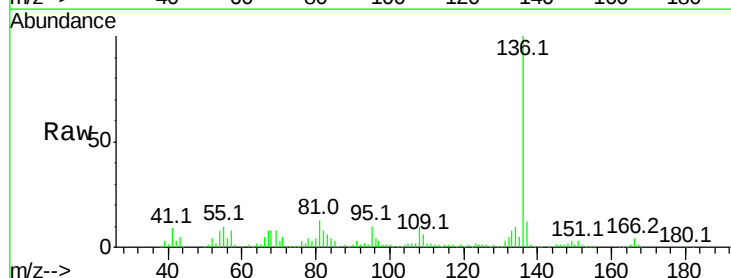
Instrument :
BNA_F
ClientSampleId :

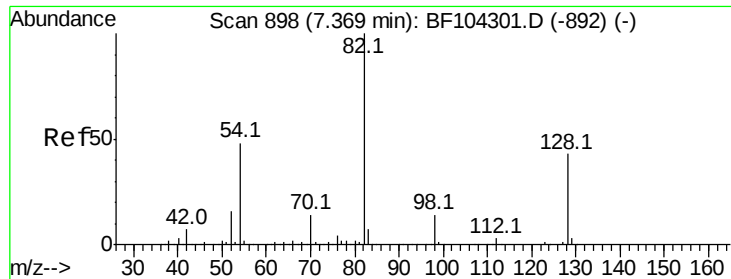
Tot Ion:117 Resp: 26870
Ion Ratio Lower Upper
117 100
119 673.0 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion:136 Resp: 387907
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 7.7 6.6 9.8
68 7.6 5.0 7.4#

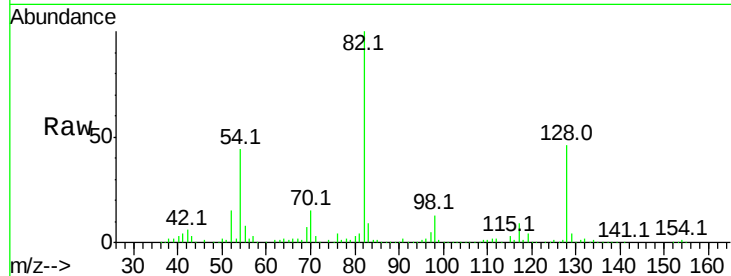




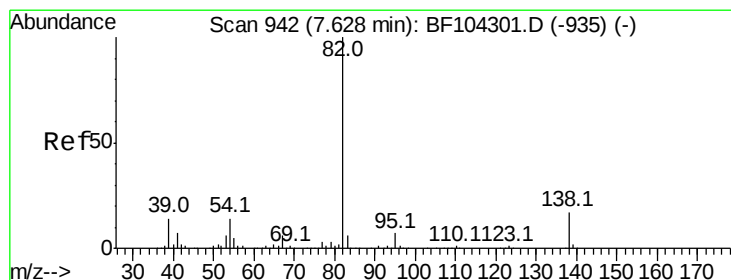
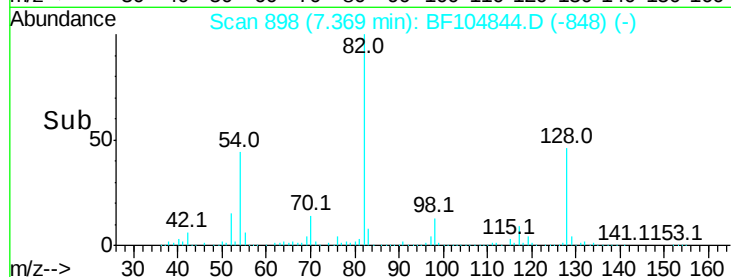
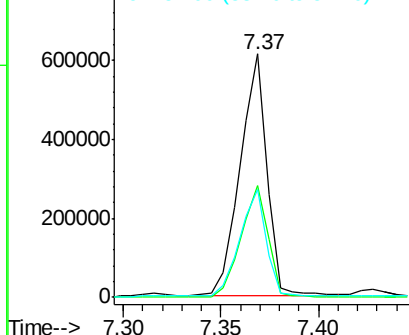
#23
Nitrobenzene-d5
Concen: 97.589 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	579731
Ion Ratio	100	Lower	Upper
128	45.9	36.1	54.1
54	44.5	41.4	62.2

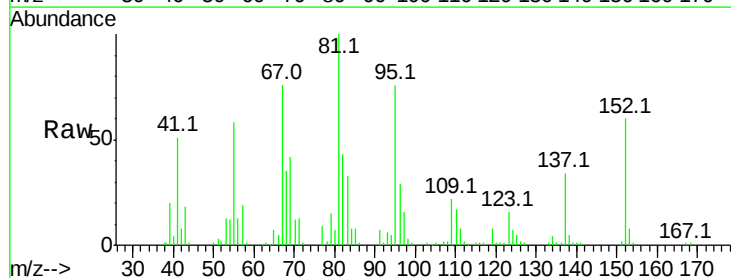


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

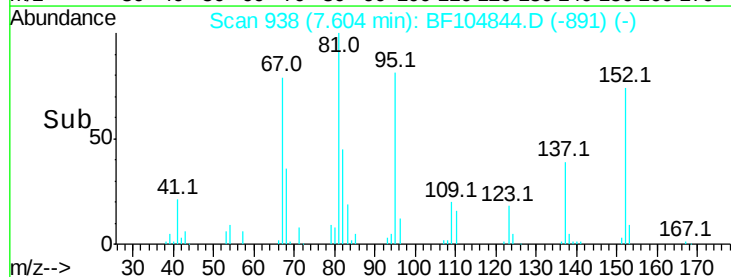
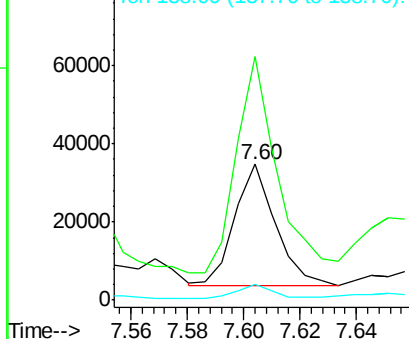


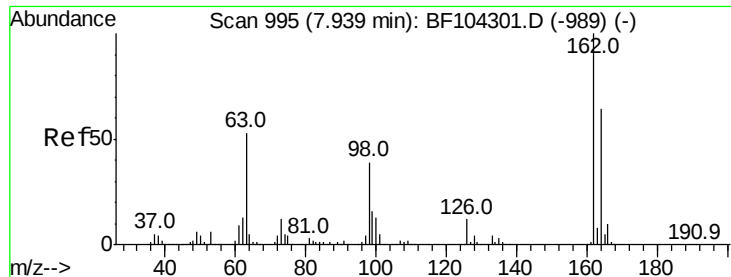
#25
Isophorone
Concen: 2.492 ng
RT: 7.60 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion	82	Resp	31306
Ion Ratio	100	Lower	Upper
95	178.9	5.2	7.8#
138	11.3	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

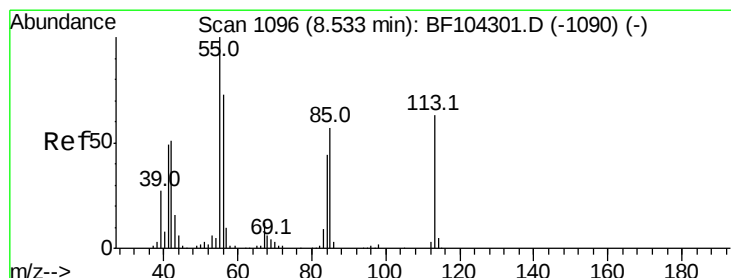
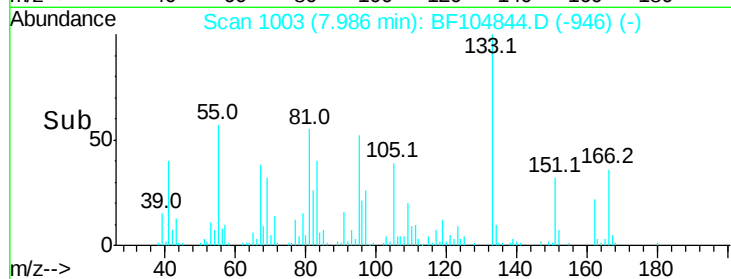
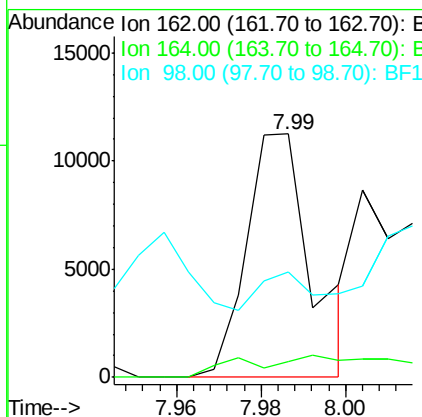
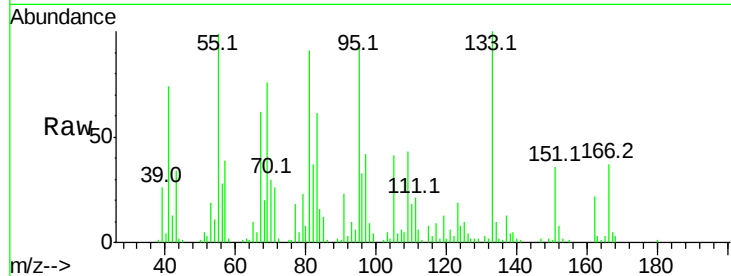




#29
2,4-Dichlorophenol
Concen: 2.279 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.04 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

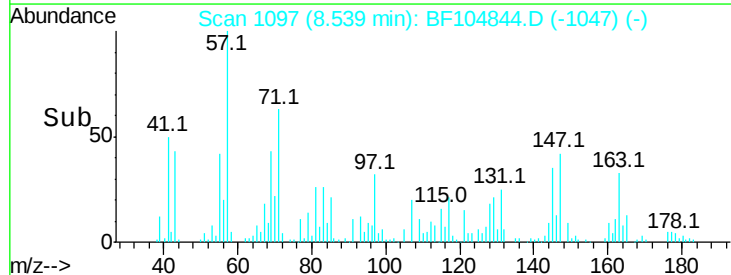
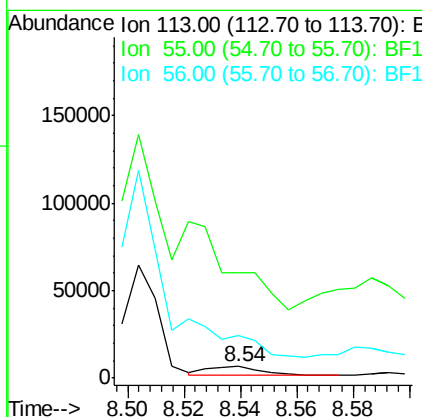
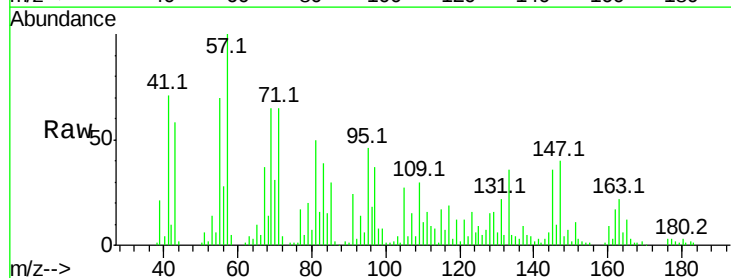
Instrument :
BNA_F
ClientSampleId :

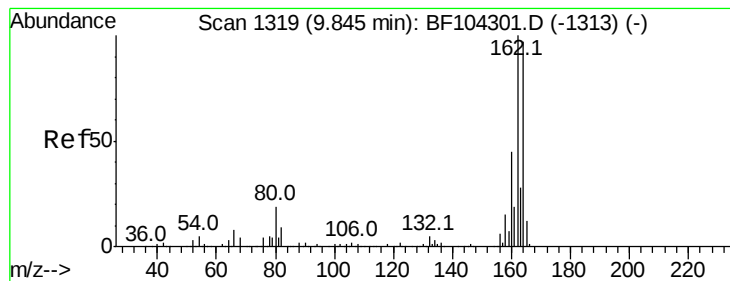
Tot Ion:162 Resp: 12053
Ion Ratio Lower Upper
162 100
164 6.6 42.7 82.7#
98 43.4 18.1 58.1



#35
Caprolactam
Concen: 3.716 ng
RT: 8.54 min Scan# 1097
Delta R.T. -0.01 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion:113 Resp: 6858
Ion Ratio Lower Upper
113 100
55 893.2 163.3 203.3#
56 362.2 115.7 155.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

Instrument :

BNA_F

ClientSampleId :

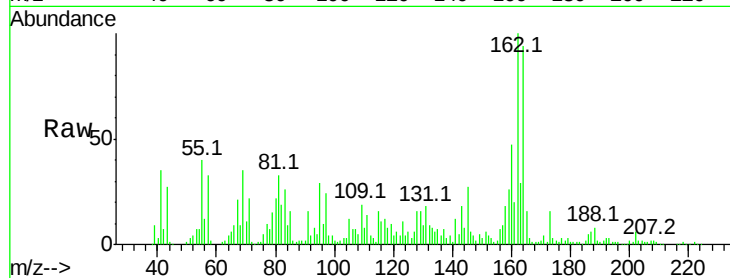
Tot Ion:164 Resp: 141781

Ion Ratio Lower Upper

164 100

162 106.8 86.1 129.1

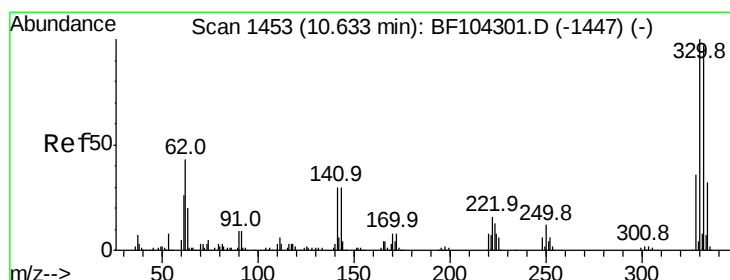
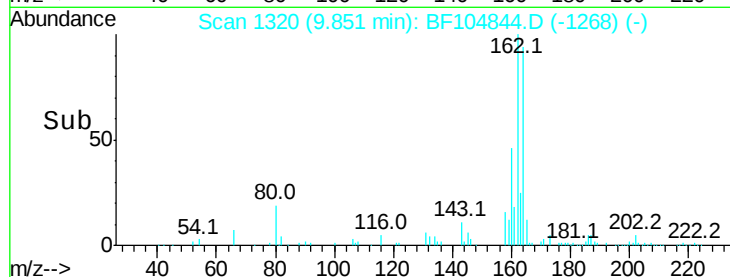
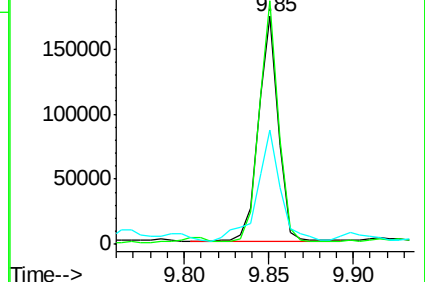
160 50.1 38.3 57.5



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: 117.819 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

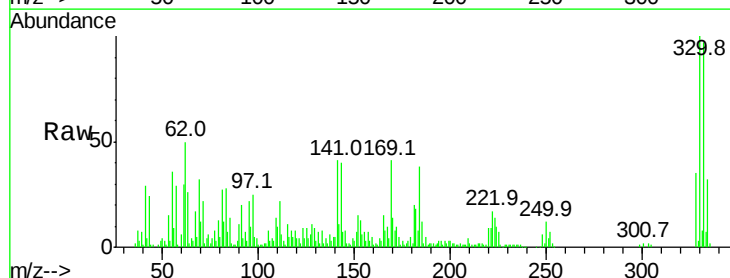
Tgt Ion:330 Resp: 173281

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

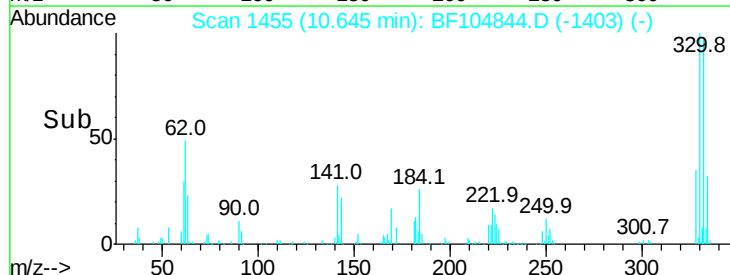
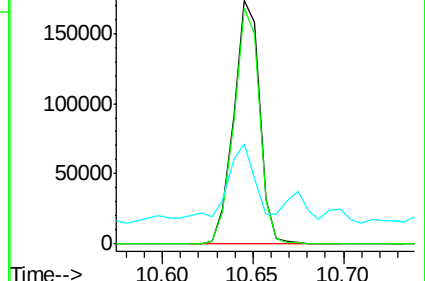
141 34.0 29.9 44.9

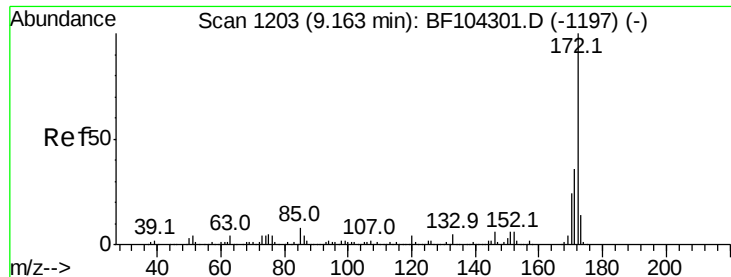


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

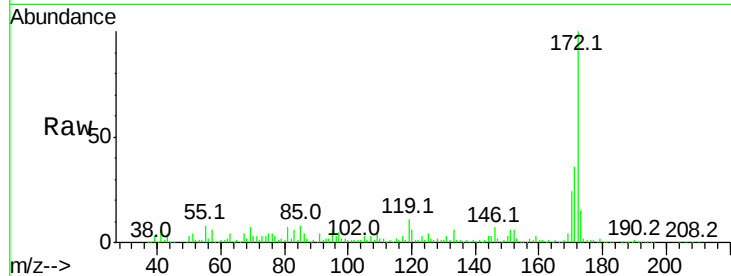




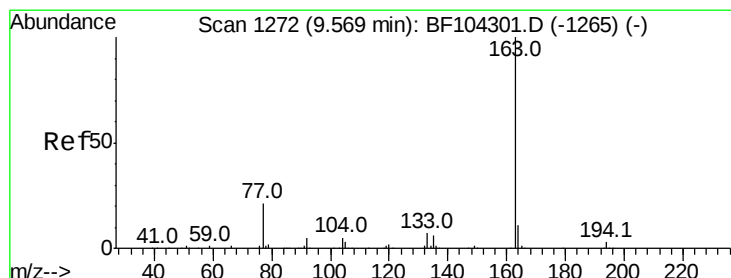
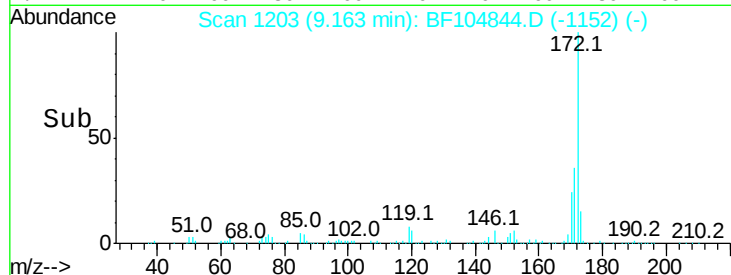
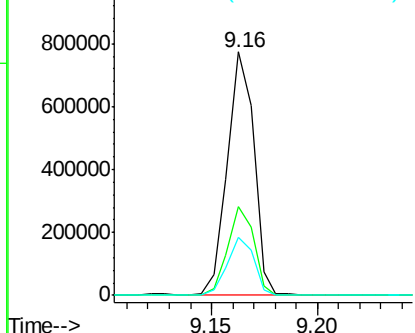
#44
2-Fluorobiphenyl
Concen: 74.738 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 670770
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 23.7 19.6 29.4

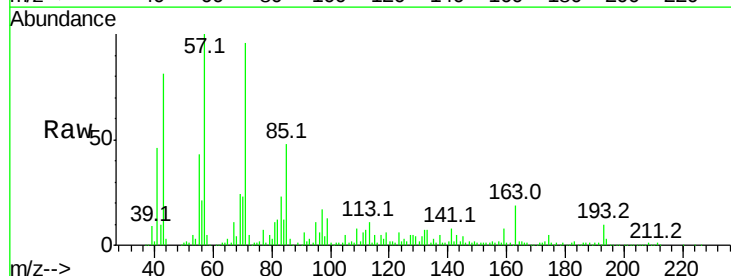


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

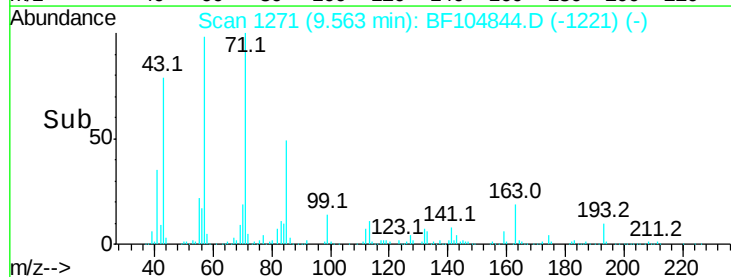
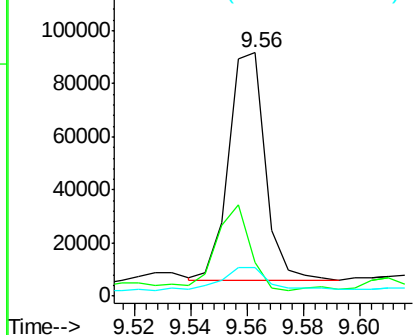


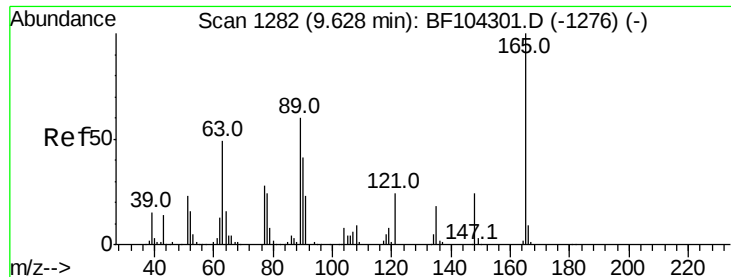
#49
Dimethylphthalate
Concen: 6.875 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion:163 Resp: 76866
Ion Ratio Lower Upper
163 100
194 13.9 2.7 4.1#
164 11.7 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

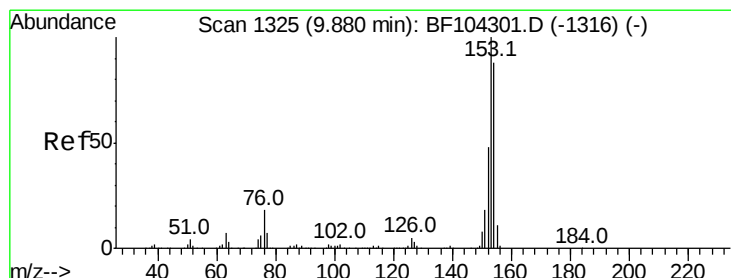
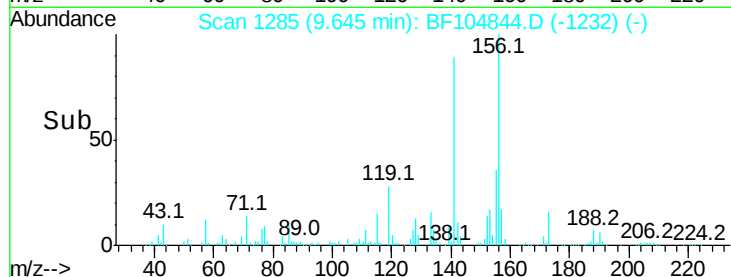
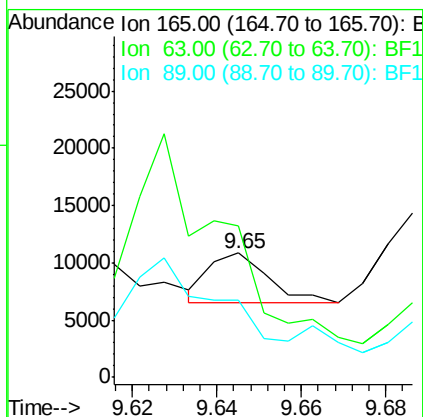
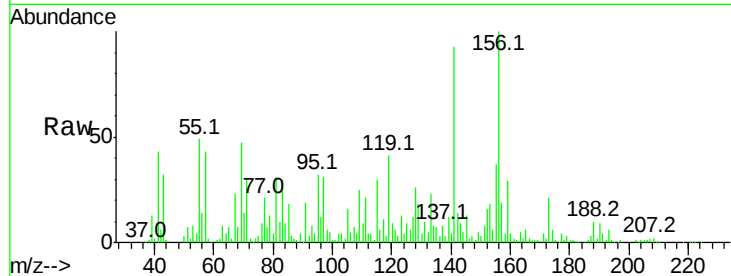




#50
2,6-Dinitrotoluene
Concen: 2.013 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

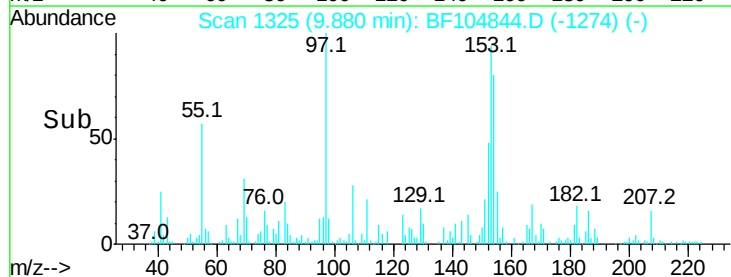
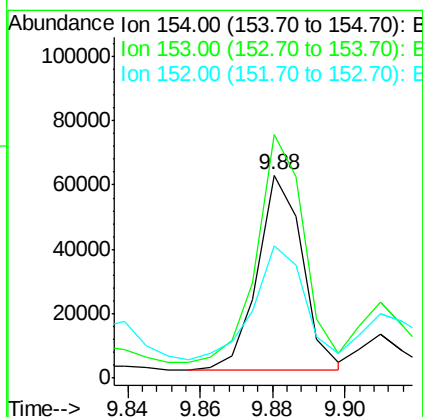
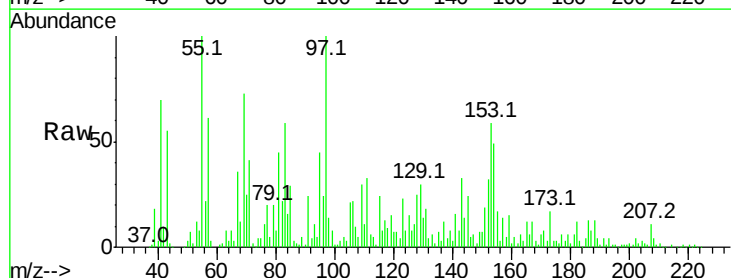
Instrument :
BNA_F
ClientSampleId :

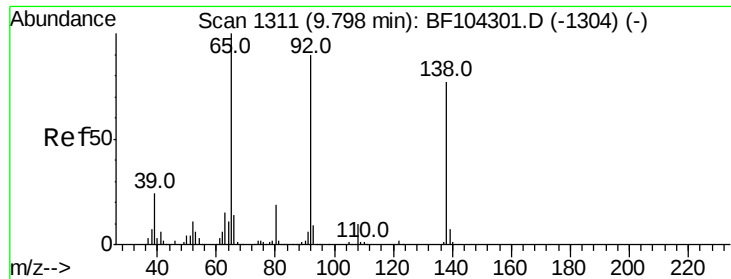
Tot Ion:165 Resp: 4165
Ion Ratio Lower Upper
165 100
63 122.1 44.7 67.1#
89 61.7 44.0 66.0



#51
Acenaphthene
Concen: 5.769 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion:154 Resp: 51960
Ion Ratio Lower Upper
154 100
153 119.8 91.2 136.8
152 64.9 43.8 65.8

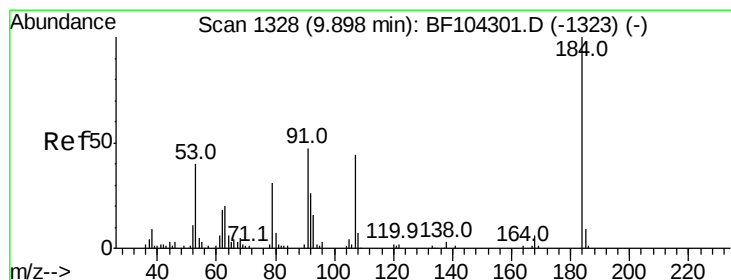
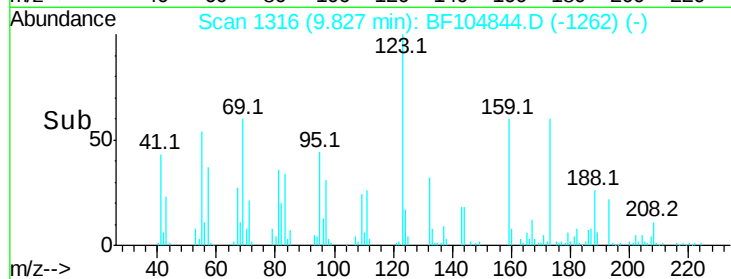
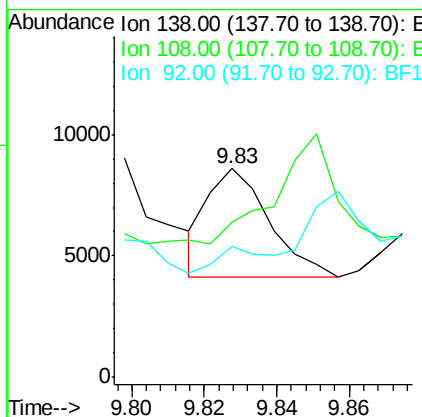
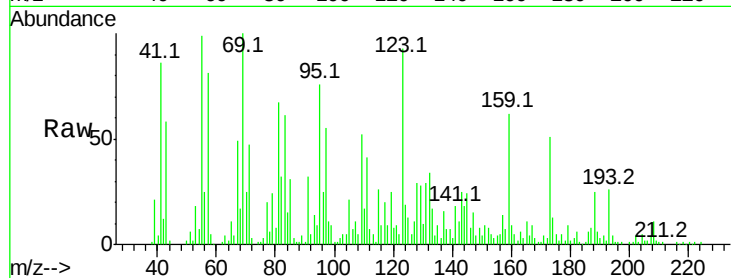




#52
3-Nitroaniline
Concen: 2.197 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.02 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

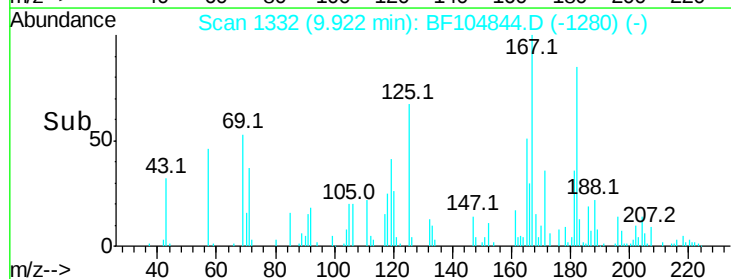
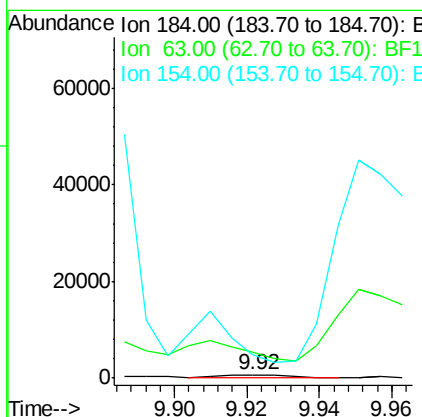
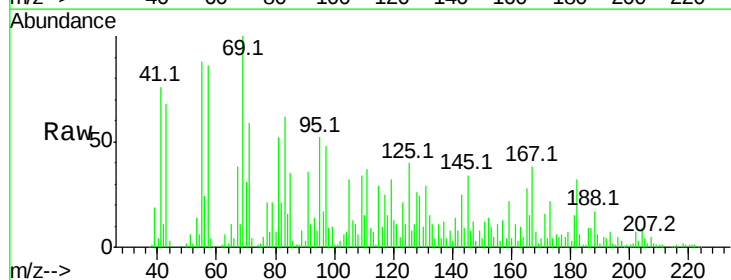
Instrument :
BNA_F
ClientSampleId :

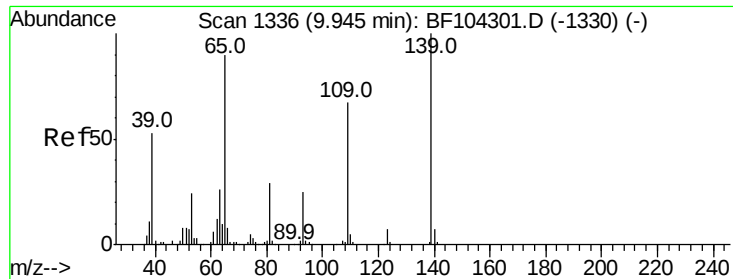
Tot Ion:138 Resp: 5322
Ion Ratio Lower Upper
138 100
108 74.1 9.4 14.0#
92 63.0 89.4 134.2#



#53
2,4-Dinitrophenol
Concen: 6.755 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion:184 Resp: 926
Ion Ratio Lower Upper
184 100
63 782.1 54.2 81.2#
154 684.8 184.0 276.0#

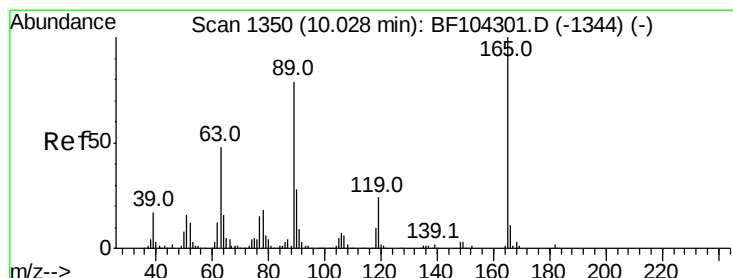
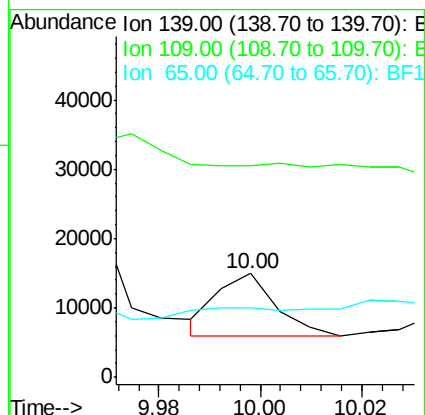
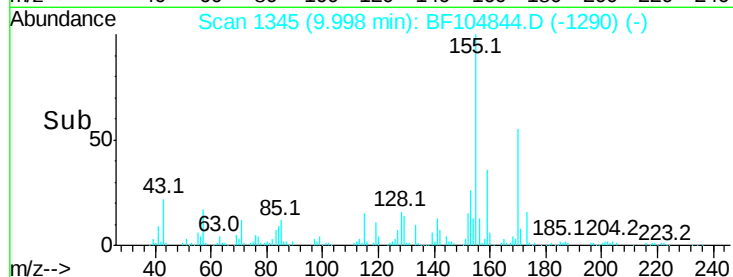
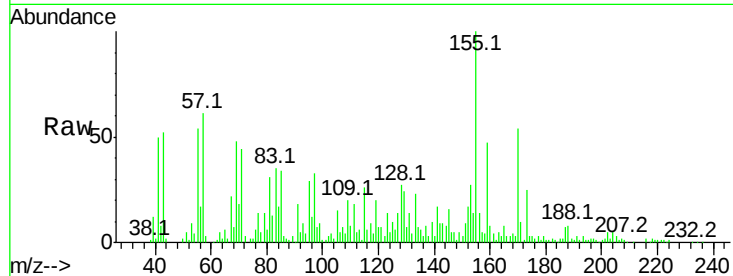




#55
4-Nitrophenol
Concen: 3.824 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.02 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

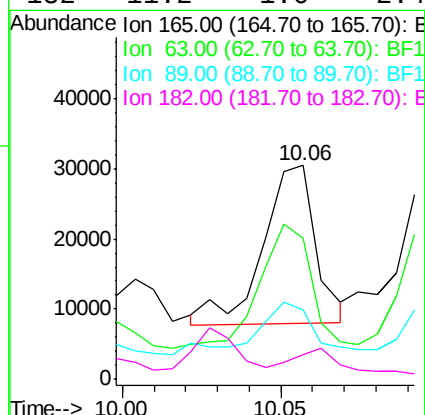
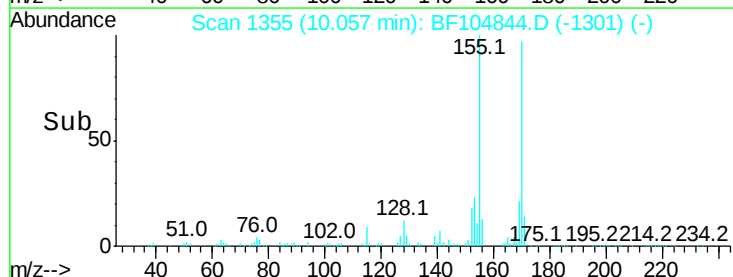
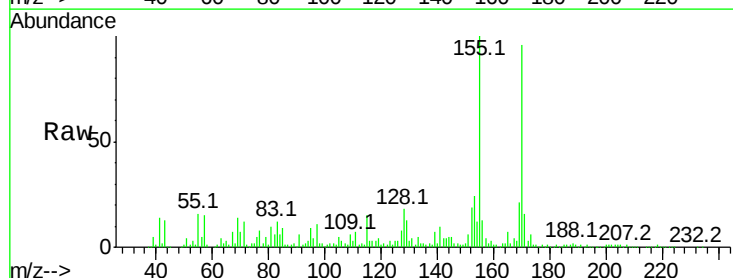
Instrument :
BNA_F
ClientSampled :

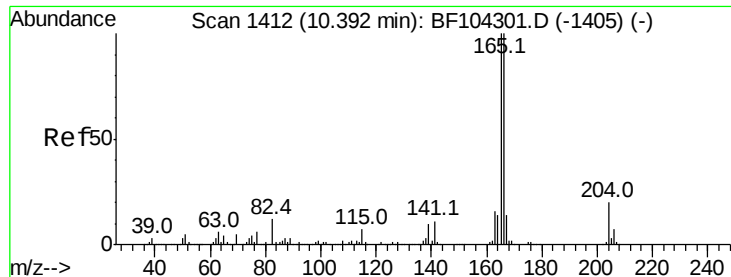
Tot Ion:139 Resp: 7276
Ion Ratio Lower Upper
139 100
109 203.9 48.4 88.4#
65 66.6 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.674 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.02 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion:165 Resp: 26252
Ion Ratio Lower Upper
165 100
63 66.0 36.4 54.6#
89 32.7 57.8 86.6#
182 11.2 1.6 2.4#





#57

Fluorene

Concen: 9.812 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.01 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

Instrument :

BNA_F

ClientSampleId :

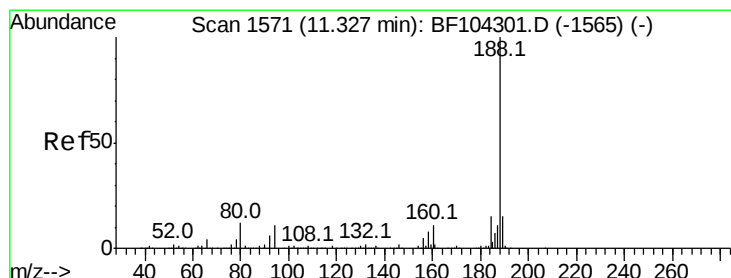
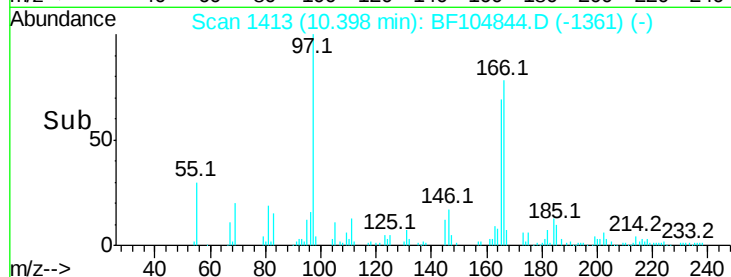
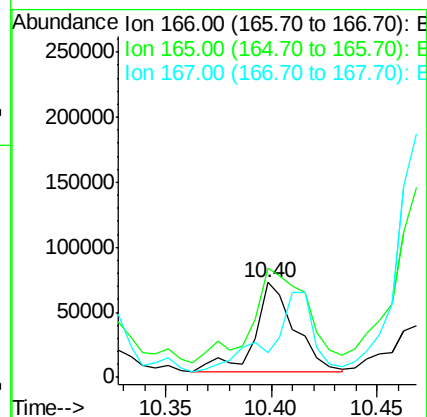
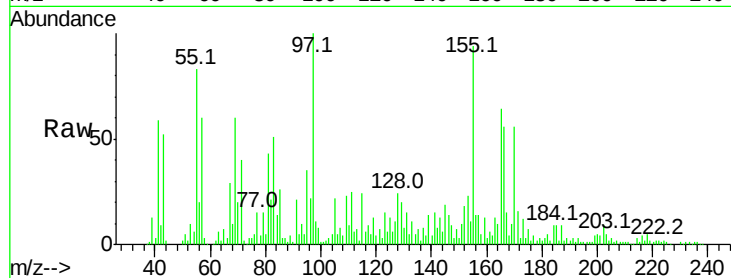
Tot Ion:166 Resp: 89638

Ion Ratio Lower Upper

166 100

165 115.0 79.8 119.8

167 26.2 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

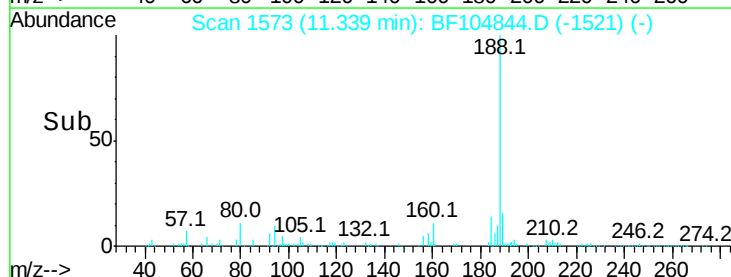
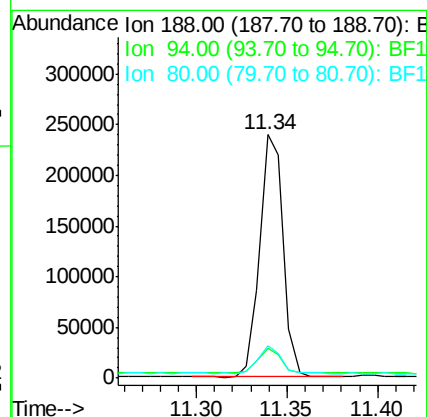
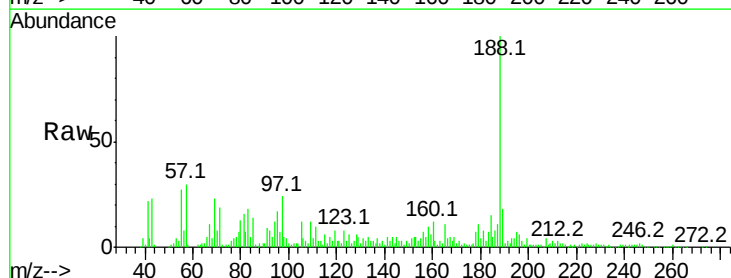
Tgt Ion:188 Resp: 215580

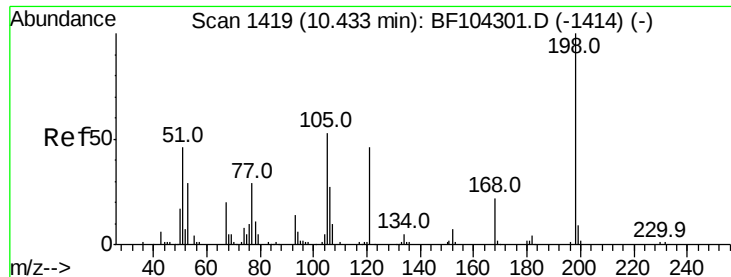
Ion Ratio Lower Upper

188 100

94 12.2 8.5 12.7

80 13.1 9.2 13.8

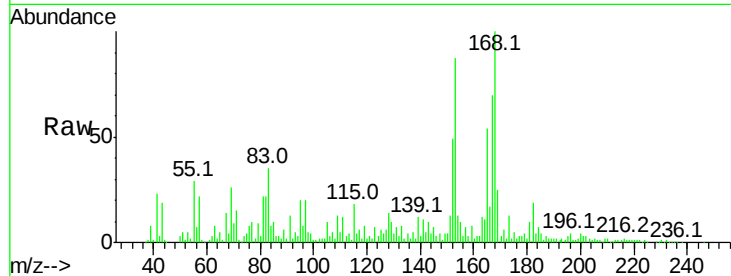




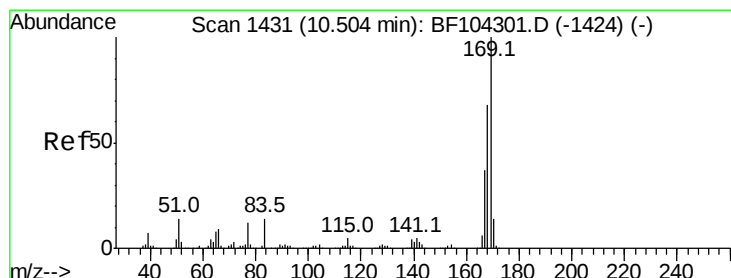
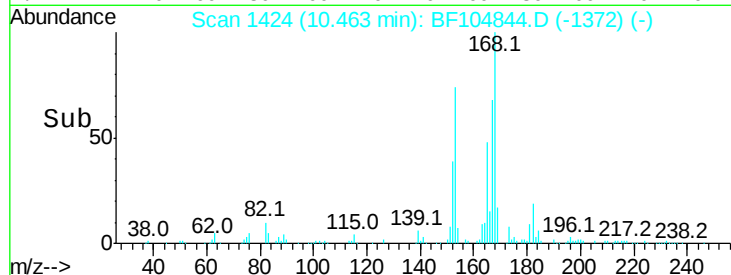
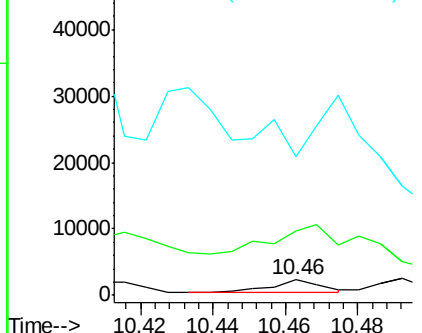
#64
4,6-Dinitro-2-methylphenol
Concen: 8.815 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 1820
Ion Ratio Lower Upper
198 100
51 412.4 37.7 77.7#
105 884.2 36.3 76.3#

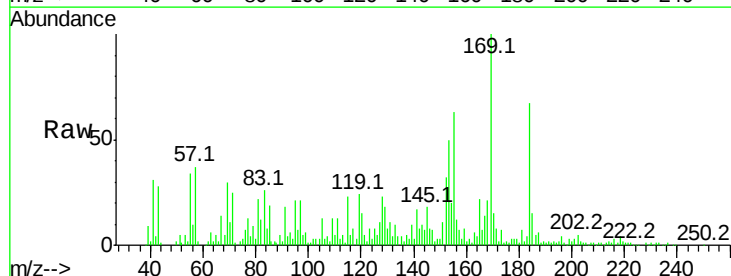


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

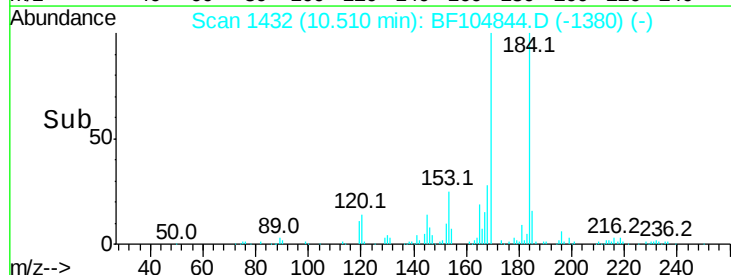
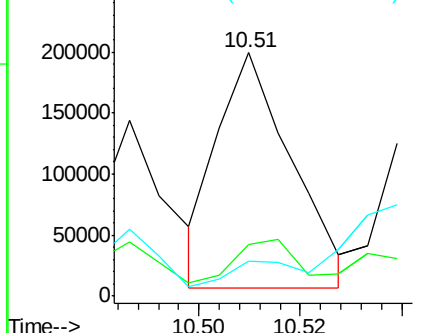


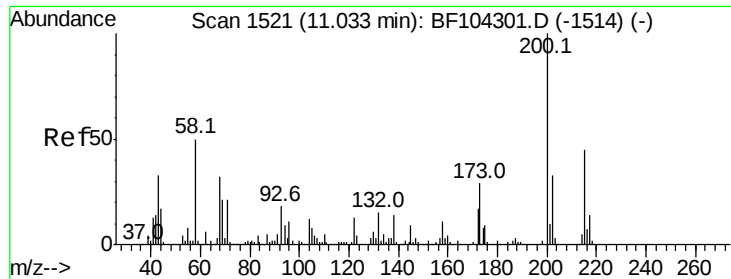
#65
n-Nitrosodiphenylamine
Concen: 26.213 ng
RT: 10.51 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion:169 Resp: 195933
Ion Ratio Lower Upper
169 100
168 21.3 54.4 81.6#
167 14.5 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

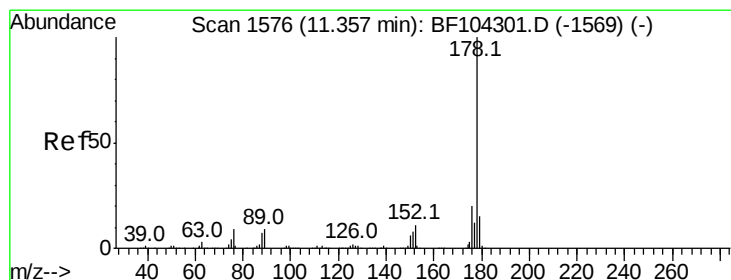
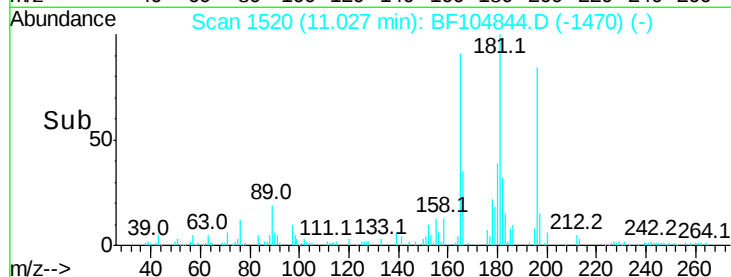
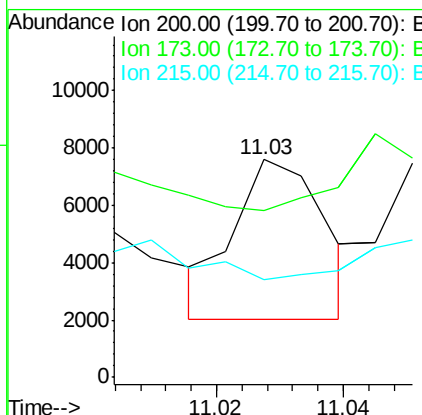
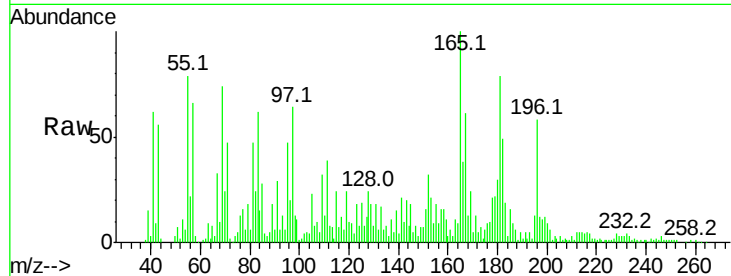




#68
Atrazine
Concen: 2.430 ng
RT: 11.03 min Scan# 1520
Delta R.T. -0.01 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

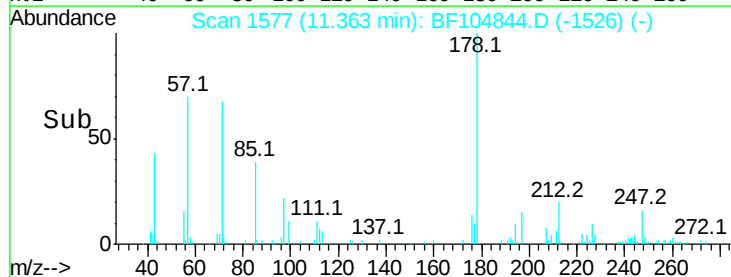
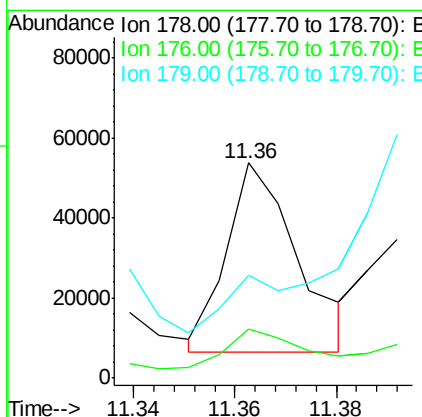
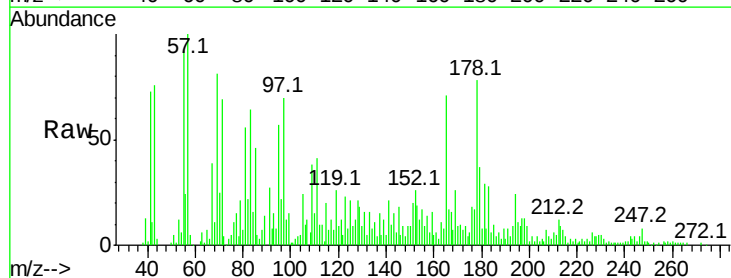
Instrument :
BNA_F
ClientSampleId :

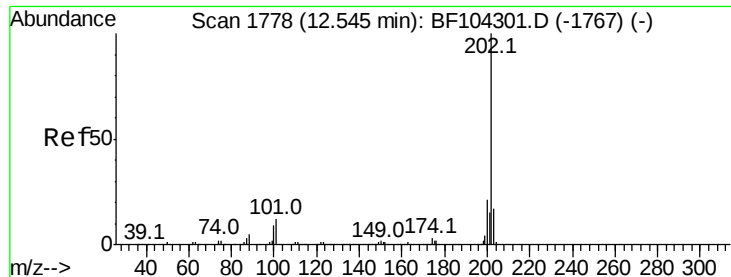
Tot Ion:200 Resp: 5482
Ion Ratio Lower Upper
200 100
173 76.9 8.6 48.6#
215 44.7 25.1 65.1



#70
Phenanthrene
Concen: 3.831 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion:178 Resp: 45998
Ion Ratio Lower Upper
178 100
176 22.7 15.8 23.8
179 48.0 13.0 19.6#





#74

Fluoranthene

Concen: 3.456 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

Instrument :

BNA_F

ClientSampleId :

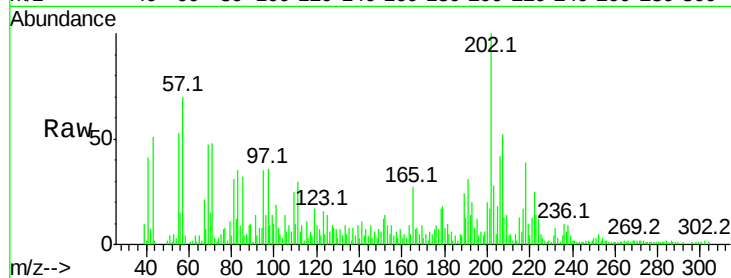
Tot Ion:202 Resp: 43355

Ion Ratio Lower Upper

202 100

101 18.9 0.0 34.1

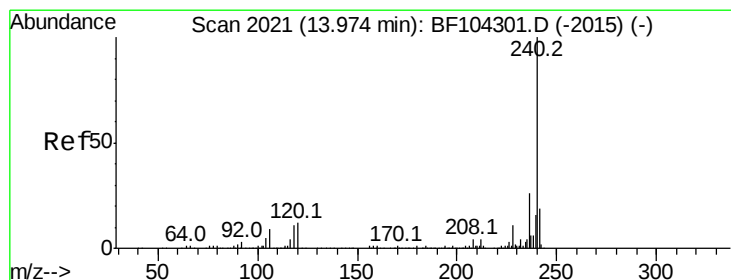
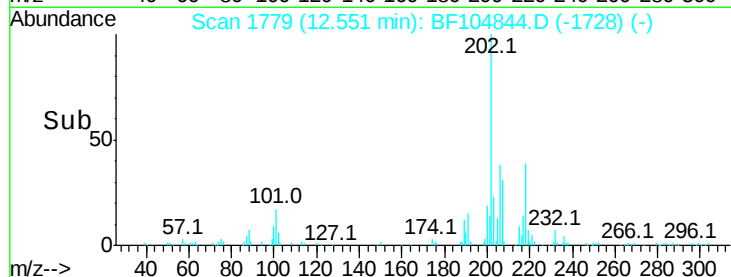
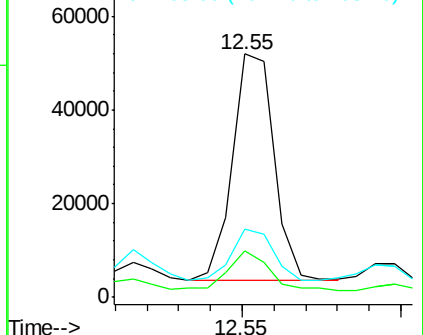
203 28.0 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

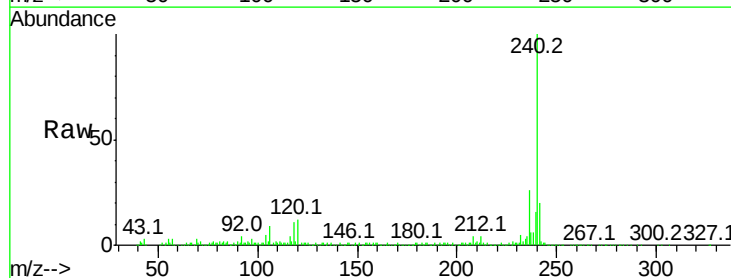
Tgt Ion:240 Resp: 233601

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

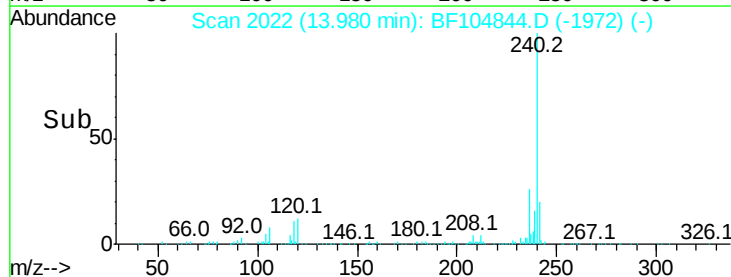
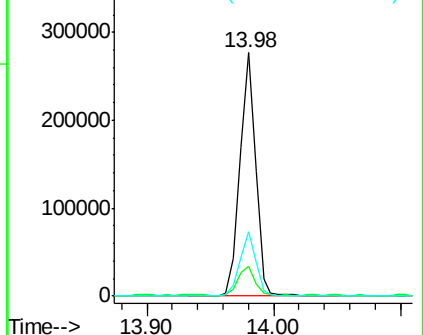
236 26.3 20.7 31.1

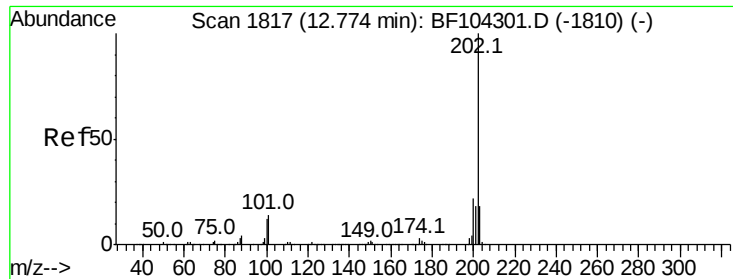


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.629 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

Instrument :

BNA_F

ClientSampleId :

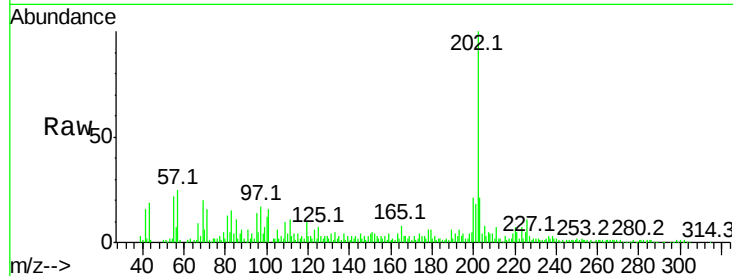
Tot Ion:202 Resp: 114788

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

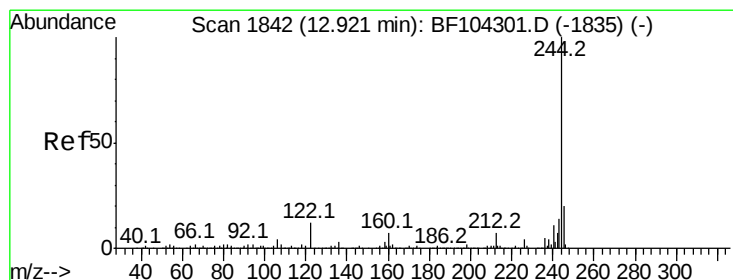
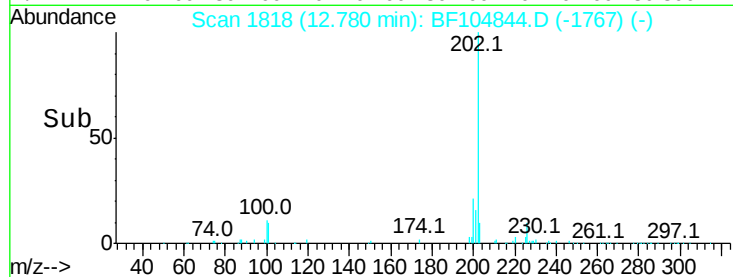
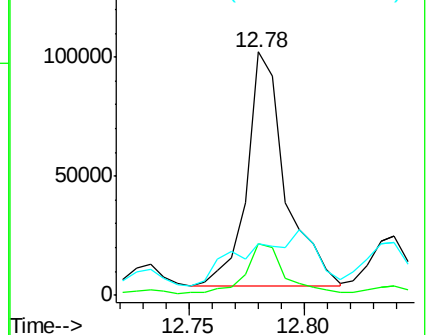
203 21.2 14.3 21.5



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: 56.157 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104844.D

Acq: 26 Apr 2018 18:28

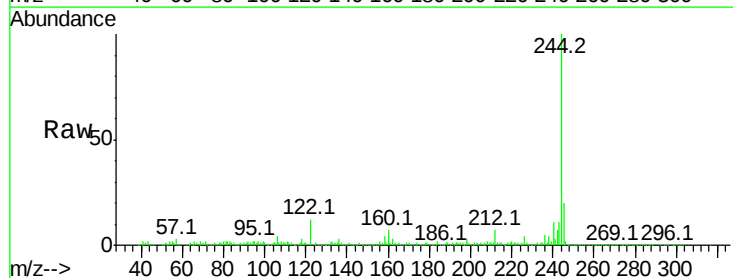
Tgt Ion:244 Resp: 575404

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

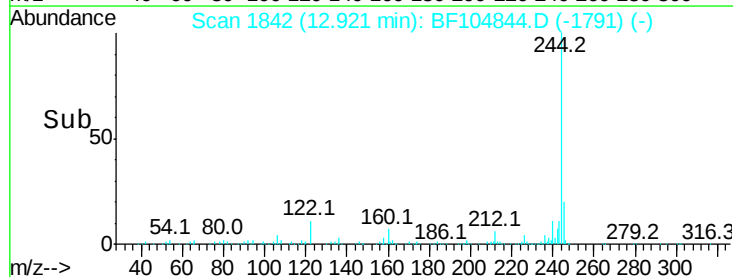
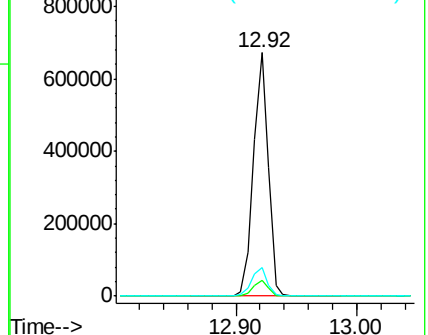
122 11.7 11.0 16.4

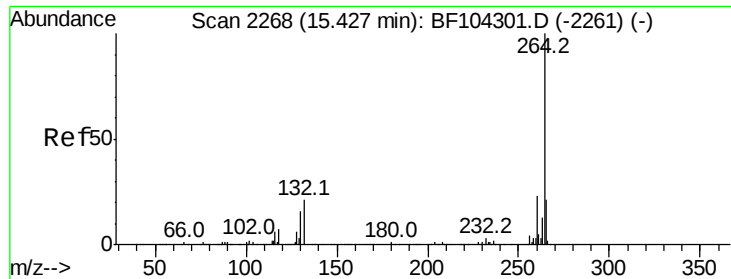


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

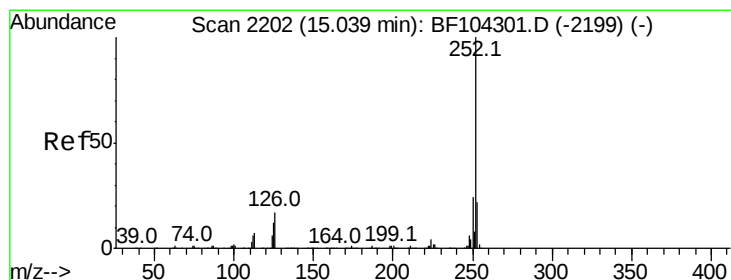
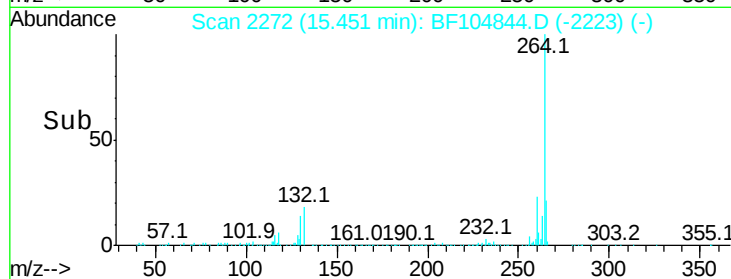
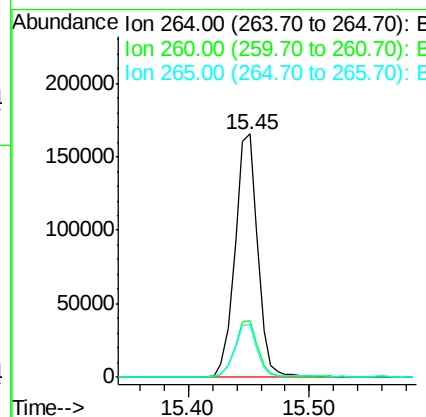
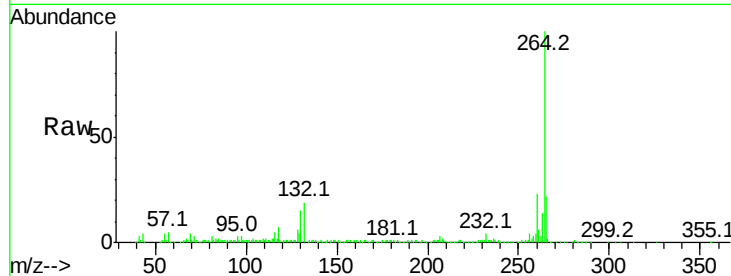




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 216966
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.5 17.5 26.3



#88
Benzo(k)fluoranthene
Concen: 2.008 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF104844.D
Acq: 26 Apr 2018 18:28

Tgt Ion:252 Resp: 25978
Ion Ratio Lower Upper
252 100
253 26.3 17.9 26.9
125 26.1 10.2 15.2#

