

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104909.D
 Acq On : 28 Apr 2018 4:48
 Operator : JU/SJ
 Sample : J2592-02 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 28 06:38:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	80966	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	310985	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	121942	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	178660	20.00	ng	0.00
75) Chrysene-d12	13.98	240	179266	20.00	ng	0.00
86) Perylene-d12	15.44	264	145131	20.00	ng	0.00

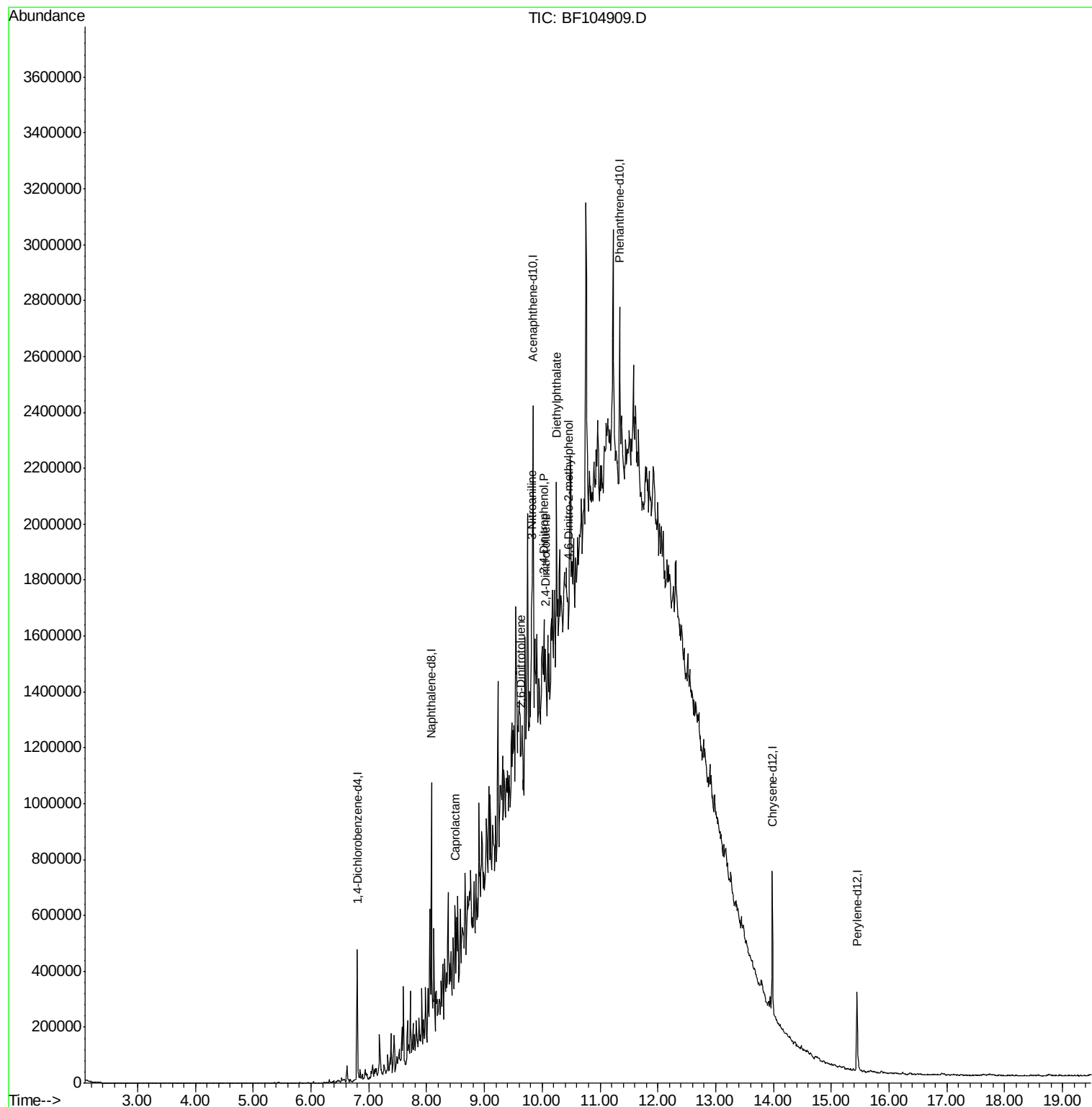
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	4422	0.84	ng	0.02
7) Phenol-d6	6.46	99	5339	0.82	ng	0.02
23) Nitrobenzene-d5	7.37	82	2174	0.46	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	1102	0.87	ng	0.01
44) 2-Fluorobiphenyl	9.16	172	11164	1.45	ng	0.00
78) Terphenyl-d14	12.92	244	9083	1.16	ng	0.00

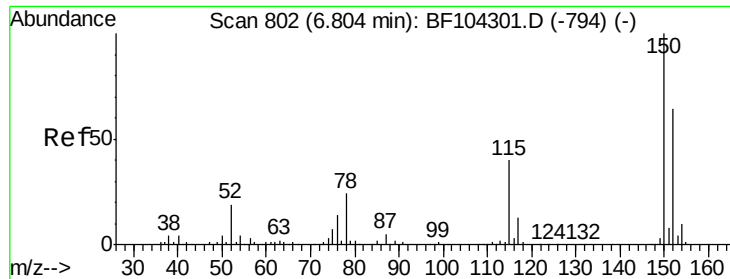
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	431	Below Cal	#	1
35) Caprolactam	8.50	113	4911	3.32	ng	1
50) 2,6-Dinitrotoluene	9.63	165	5402	3.04	ng	33
52) 3-Nitroaniline	9.82	138	5093	2.44	ng	32
53) 2,4-Dinitrophenol	10.03	184	242	5.62	ng	1
56) 2,4-Dinitrotoluene	10.07	165	5551	2.38	ng	41
59) Diethylphthalate	10.25	149	22006	2.30	ng	38
64) 4,6-Dinitro-2-methylphenol	10.46	198	1433	8.74	ng	1
76) Benzidine	12.70	184	509	Below Cal	#	1

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

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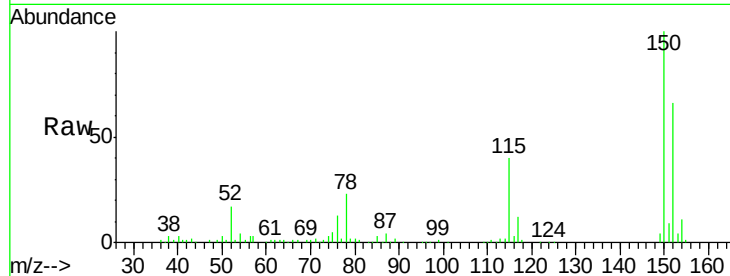




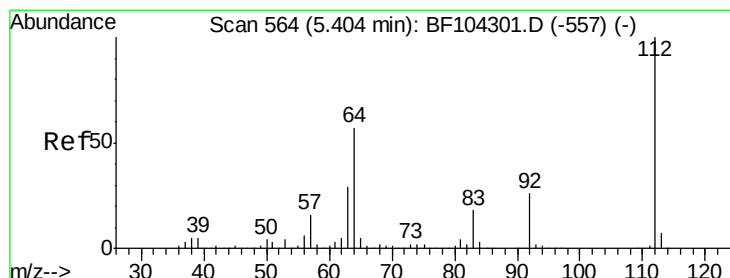
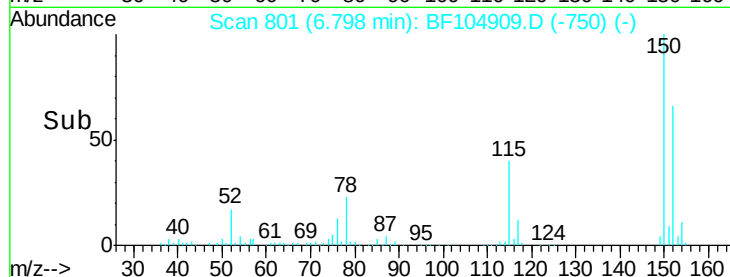
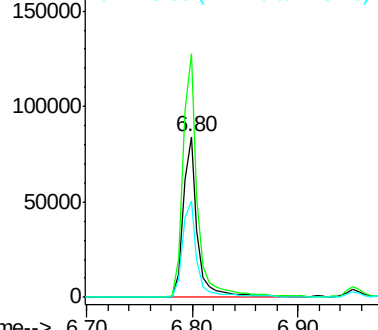
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104909.D
Acq: 28 Apr 2018 4:48

Tot Ion:152 Resp: 80966
Ion Ratio Lower Upper
152 100
150 151.5 124.6 186.8
115 60.1 50.1 75.1



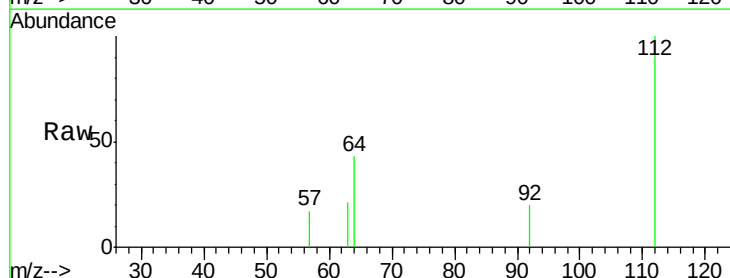
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



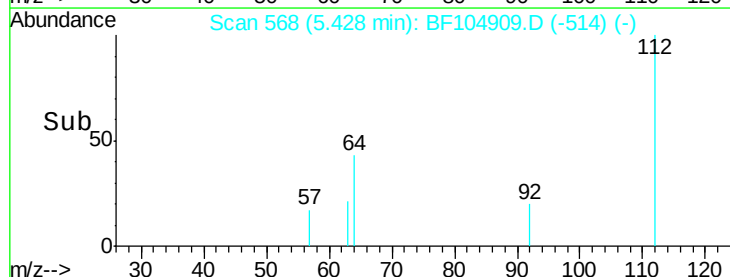
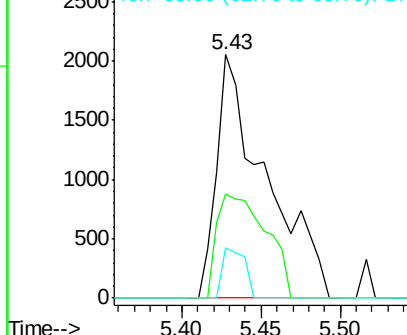
#5

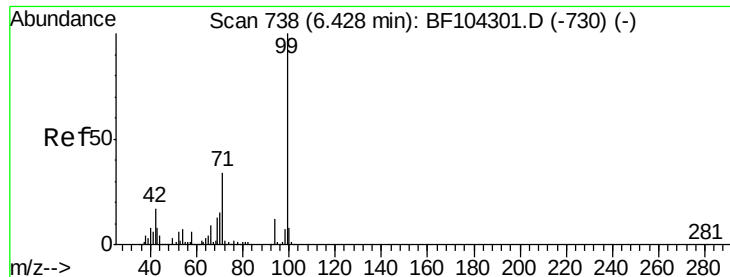
2-Fluorophenol
Concen: 0.84 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104909.D
Acq: 28 Apr 2018 4:48

Tgt Ion:112 Resp: 4422
Ion Ratio Lower Upper
112 100
64 42.8 47.9 71.9#
63 20.5 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.82 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.02 min

Lab File: BF104909.D

Acq: 28 Apr 2018 4:48

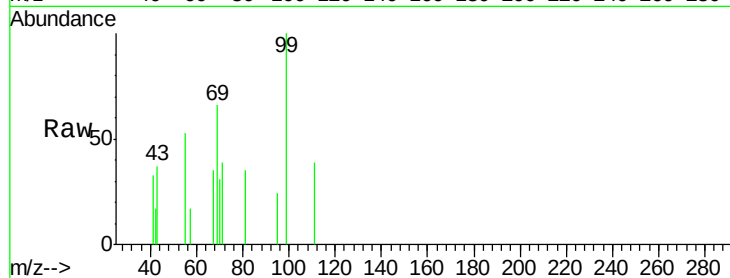
Tot Ion: 99 Resp: 5339

Ion Ratio Lower Upper

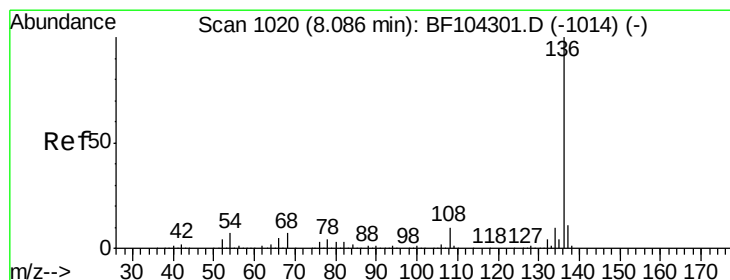
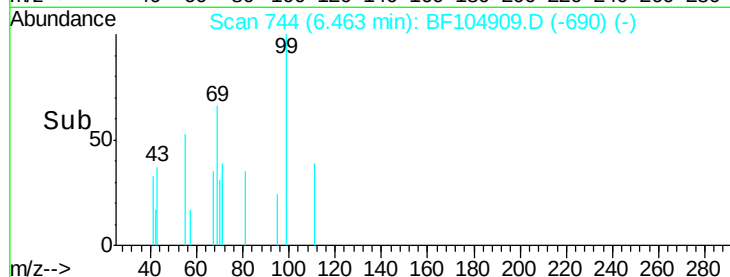
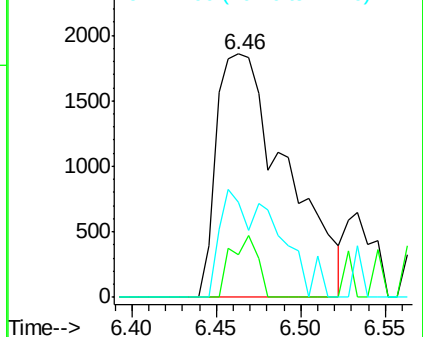
99 100

42 17.3 14.5 21.7

71 38.8 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104909.D

Acq: 28 Apr 2018 4:48

Tgt Ion: 136 Resp: 310985

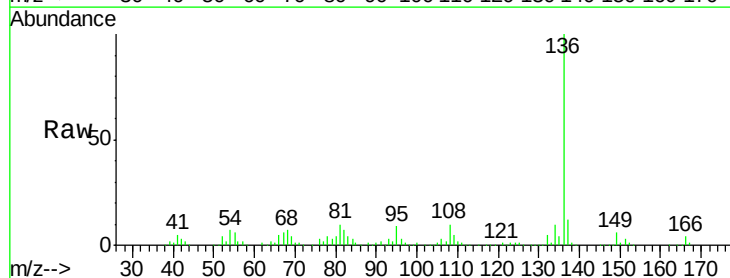
Ion Ratio Lower Upper

136 100

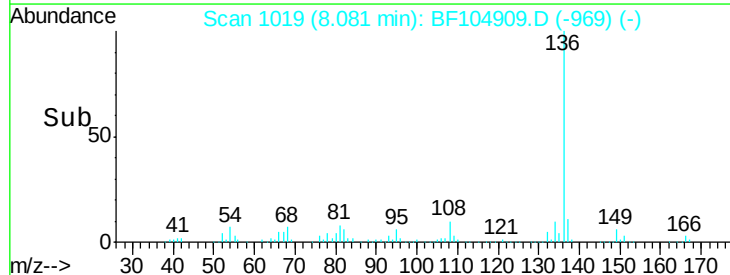
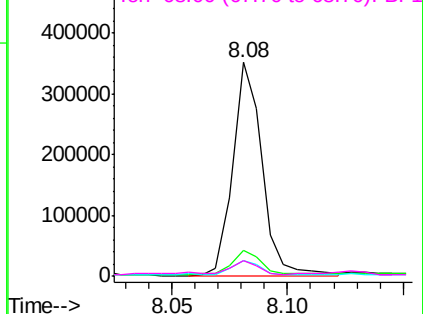
137 11.7 8.9 13.3

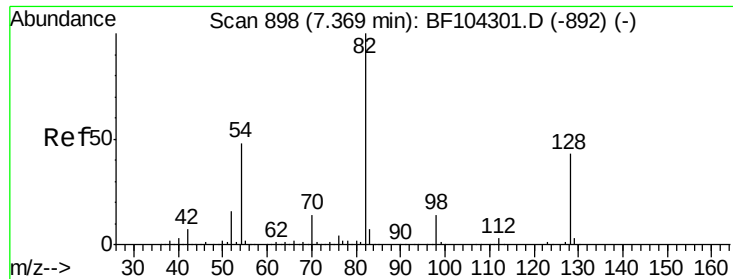
54 7.5 6.6 9.8

68 7.3 5.0 7.4



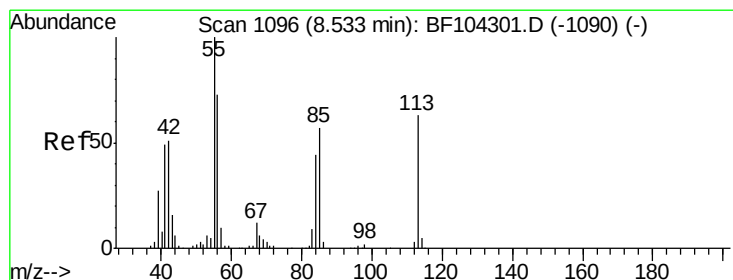
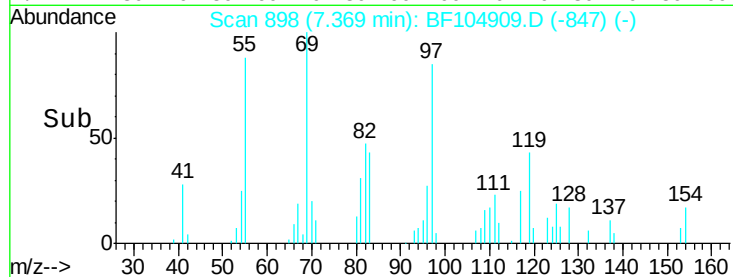
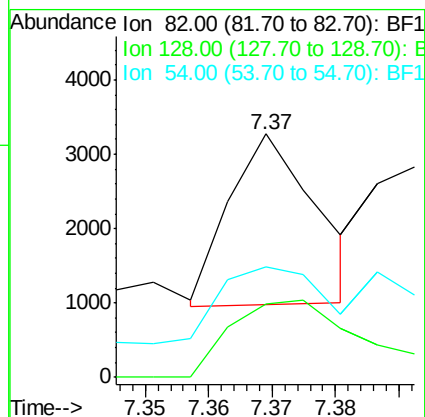
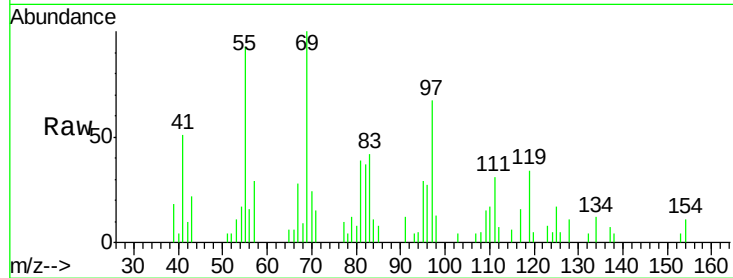
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





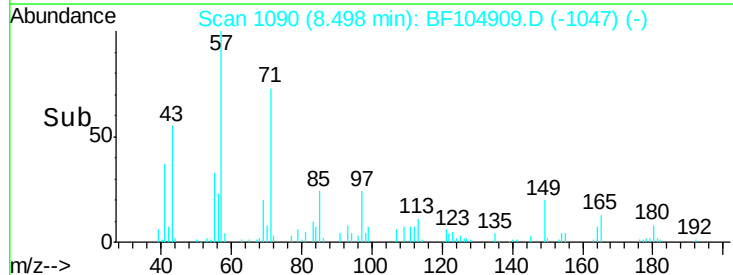
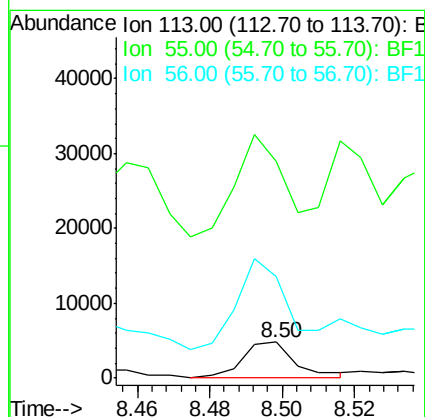
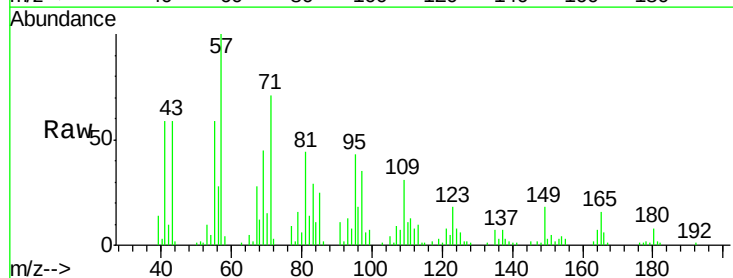
#23
Nitrobenzene-d5
Concen: 0.46 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104909.D
Acq: 28 Apr 2018 4:48

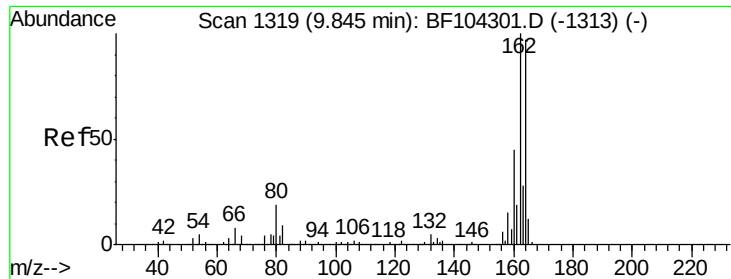
Tot Ion: 82 Resp: 2174
Ion Ratio Lower Upper
82 100
128 30.0 36.1 54.1#
54 45.1 41.4 62.2



#35
Caprolactam
Concen: 3.32 ng
RT: 8.50 min Scan# 1090
Delta R.T. -0.05 min
Lab File: BF104909.D
Acq: 28 Apr 2018 4:48

Tgt Ion: 113 Resp: 4911
Ion Ratio Lower Upper
113 100
55 601.5 163.3 203.3#
56 282.8 115.7 155.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF104909.D

Acq: 28 Apr 2018 4:48

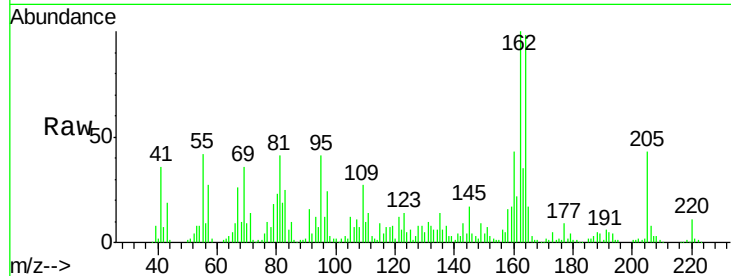
Tot Ion:164 Resp: 121942

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

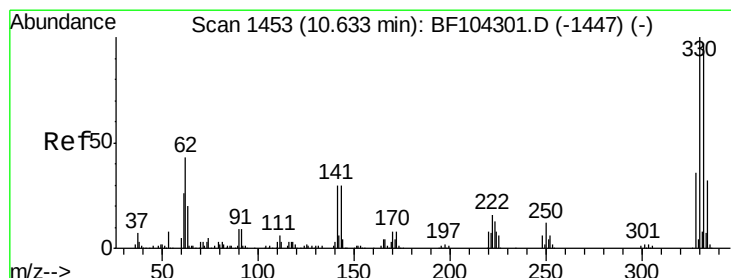
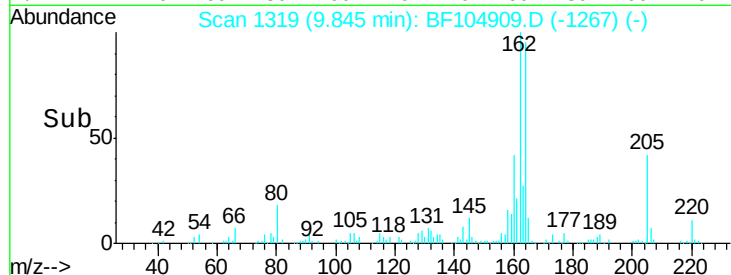
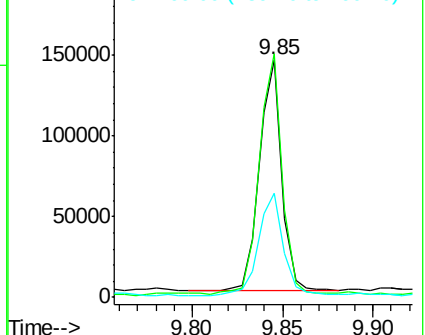
160 43.7 38.3 57.5



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: 0.87 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104909.D

Acq: 28 Apr 2018 4:48

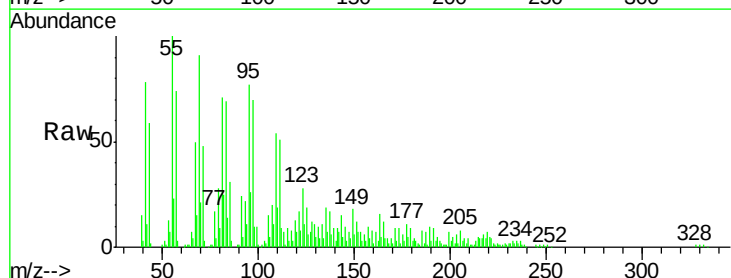
Tgt Ion:330 Resp: 1102

Ion Ratio Lower Upper

330 100

332 104.4 77.0 115.6

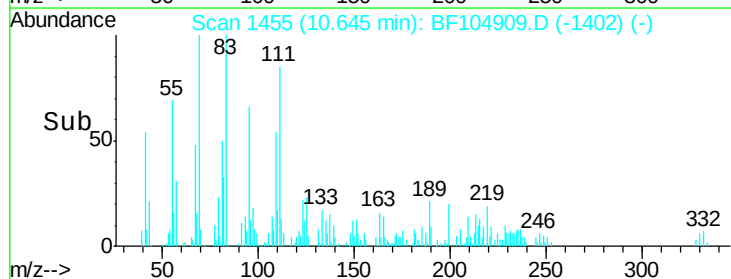
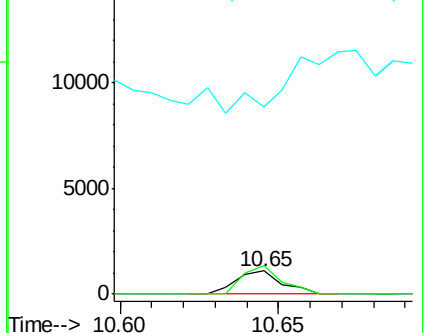
141 0.0 29.9 44.9#

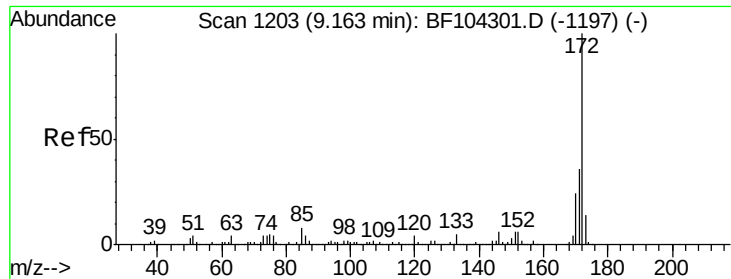


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

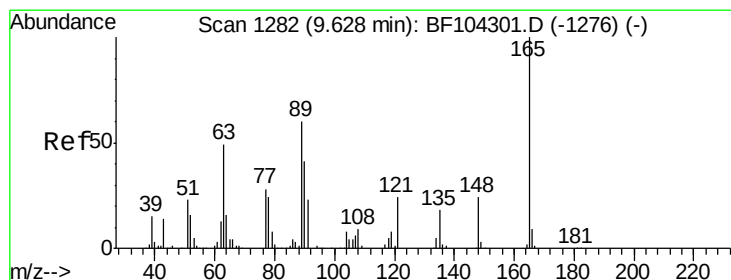
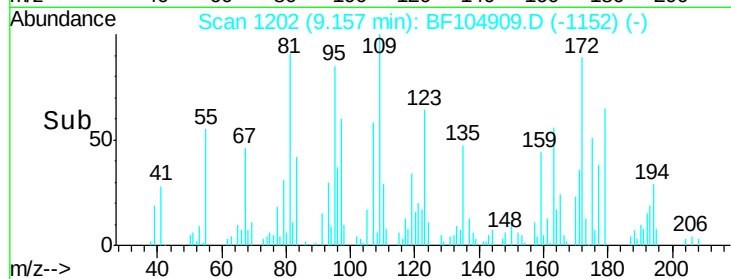
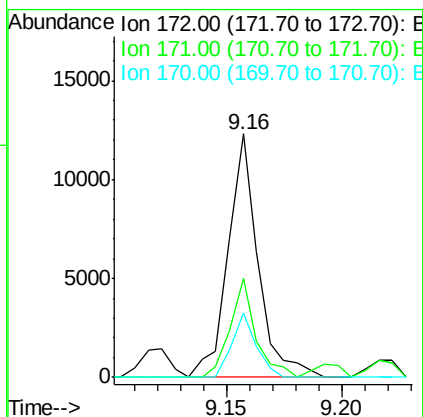
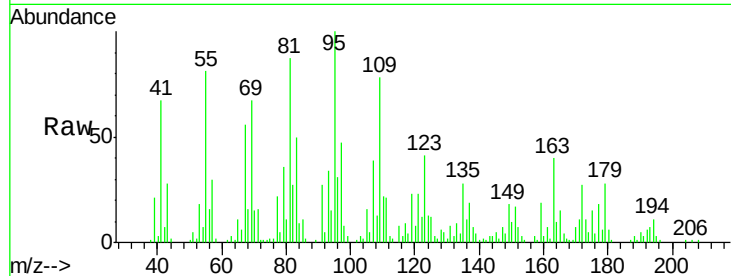
Ion 141.00 (140.70 to 141.70): E





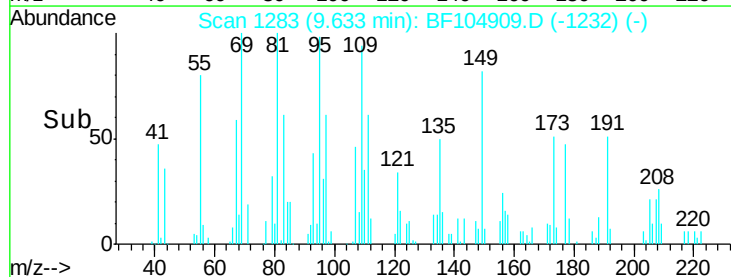
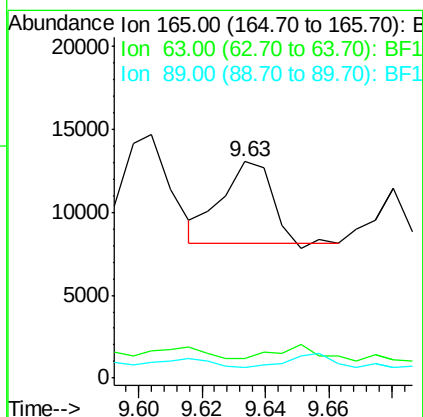
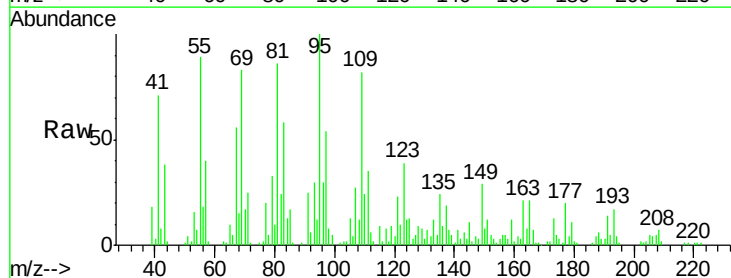
#44
 2-Fluorobiphenyl
 Concen: 1.45 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104909.D
 Acq: 28 Apr 2018 4:48

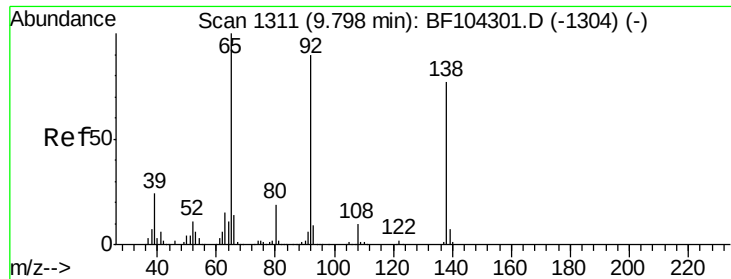
Tot Ion	Ratio	Lower	Upper
172	100		
171	40.8	29.7	44.5
170	26.2	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 3.04 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: BF104909.D
 Acq: 28 Apr 2018 4:48

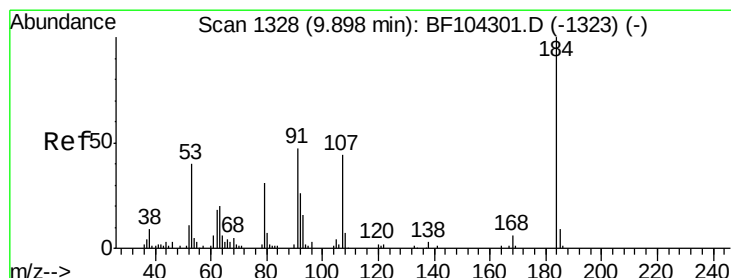
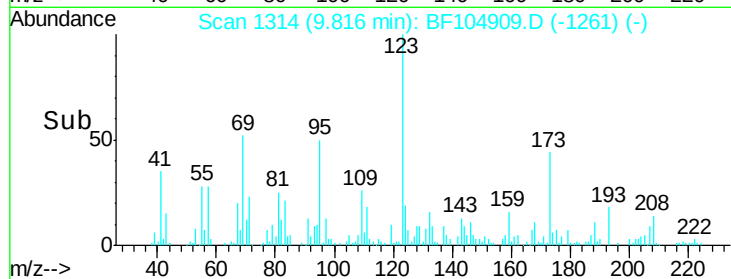
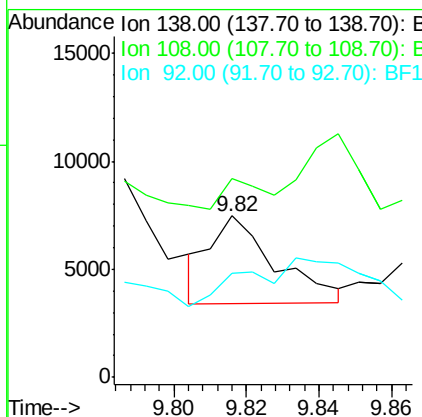
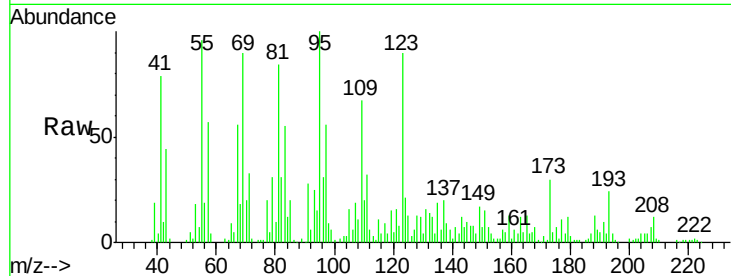
Tgt Ion	Ratio	Lower	Upper
165	100		
63	9.3	44.7	67.1#
89	4.8	44.0	66.0#





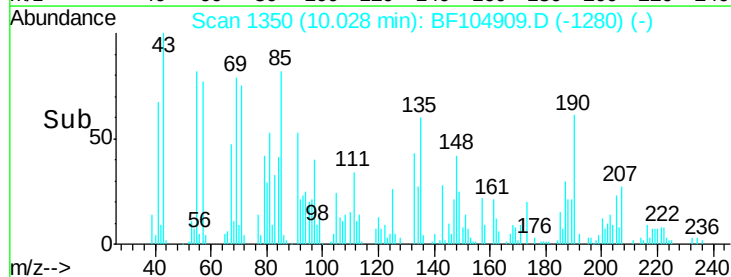
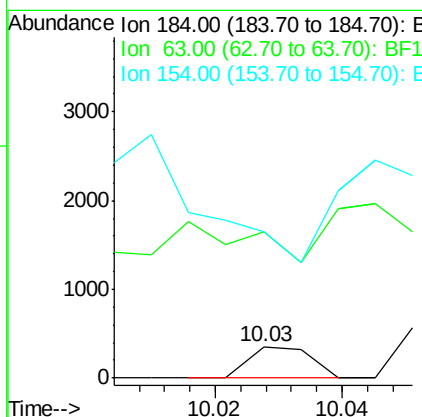
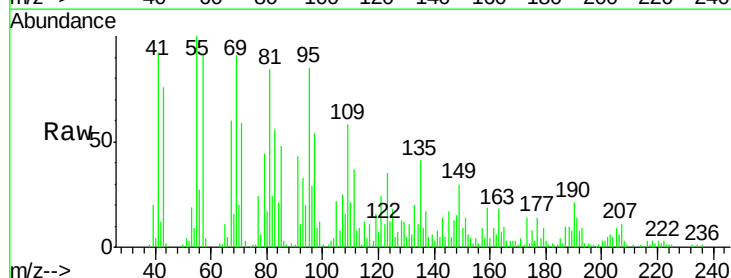
#52
 3-Nitroaniline
 Concen: 2.44 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF104909.D
 Acq: 28 Apr 2018 4:48

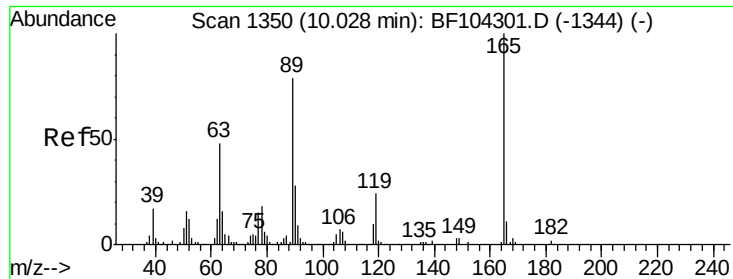
Tot Ion:138 Resp: 5093
 Ion Ratio Lower Upper
 138 100
 108 123.7 9.4 14.0#
 92 64.5 89.4 134.2#



#53
 2,4-Dinitrophenol
 Concen: 5.62 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. 0.11 min
 Lab File: BF104909.D
 Acq: 28 Apr 2018 4:48

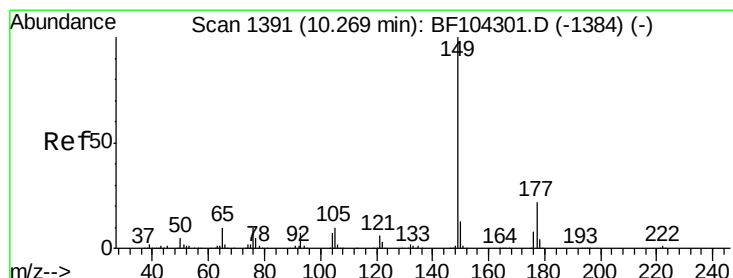
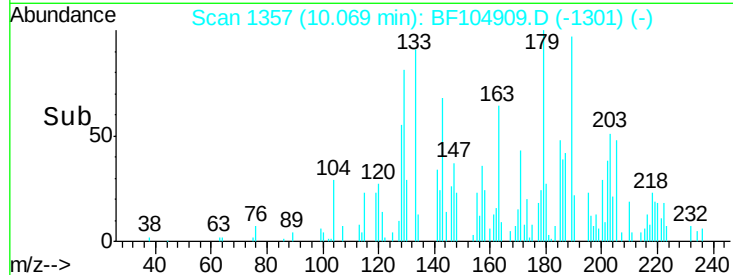
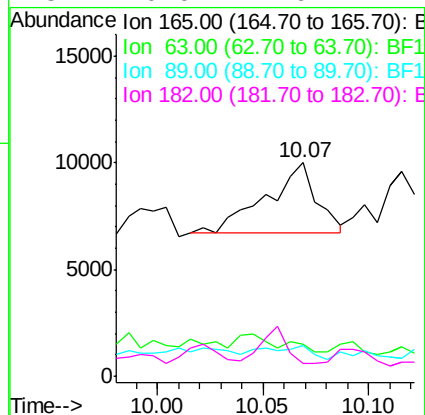
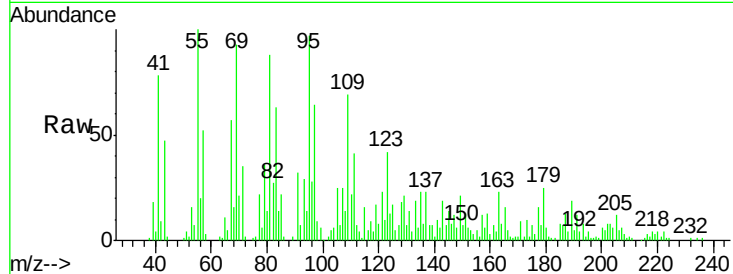
Tgt Ion:184 Resp: 242
 Ion Ratio Lower Upper
 184 100
 63 462.4 54.2 81.2#
 154 463.5 184.0 276.0#





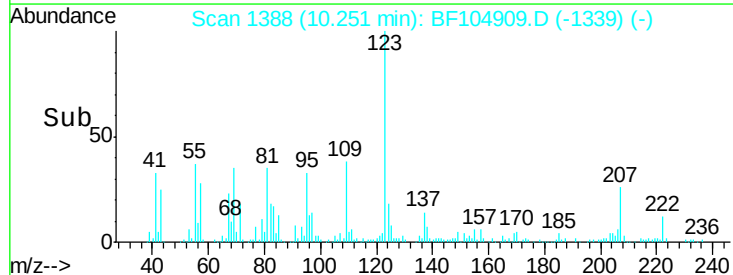
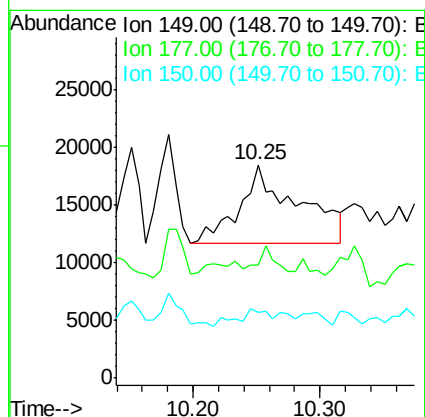
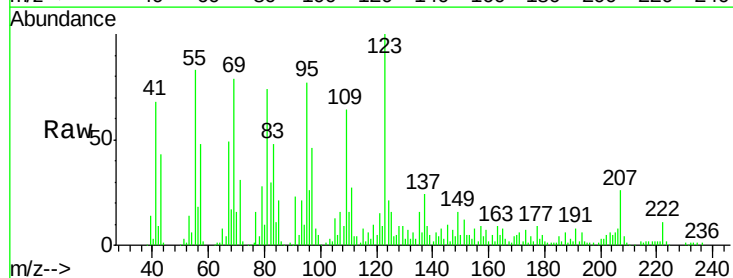
#56
 2,4-Dinitrotoluene
 Concen: 2.38 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.03 min
 Lab File: BF104909.D
 Acq: 28 Apr 2018 4:48

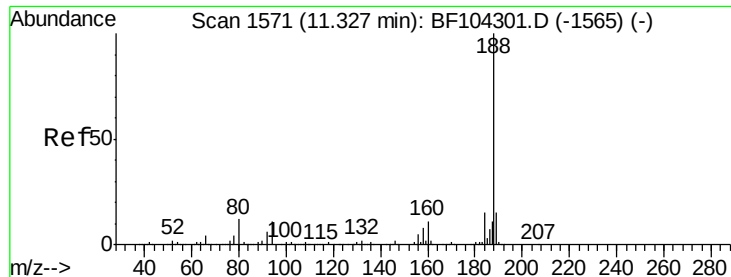
Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		5551		
63	15.0	36.4	54.6#		
89	14.6	57.8	86.6#		
182	6.0	1.6	2.4#		



#59
 Diethylphthalate
 Concen: 2.30 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF104909.D
 Acq: 28 Apr 2018 4:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		22006		
177	53.1	16.1	24.1#		
150	31.1	10.1	15.1#		





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF104909.D

Acq: 28 Apr 2018 4:48

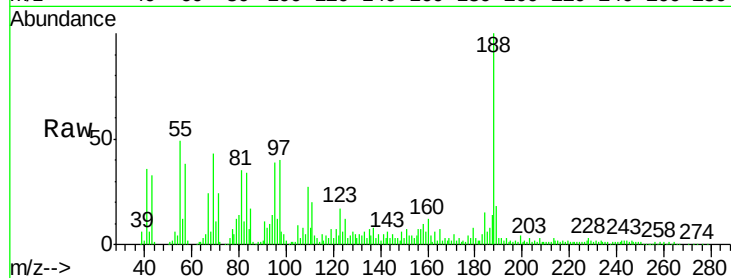
Tot Ion:188 Resp: 178660

Ion Ratio Lower Upper

188 100

94 14.0 8.5 12.7#

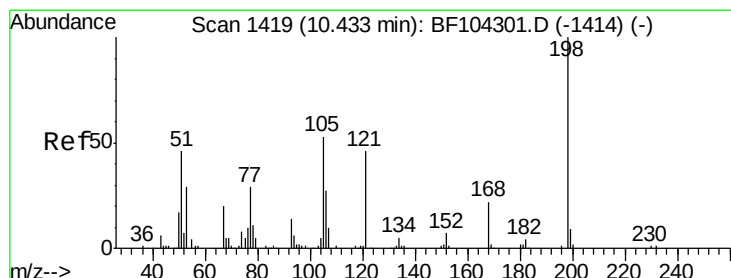
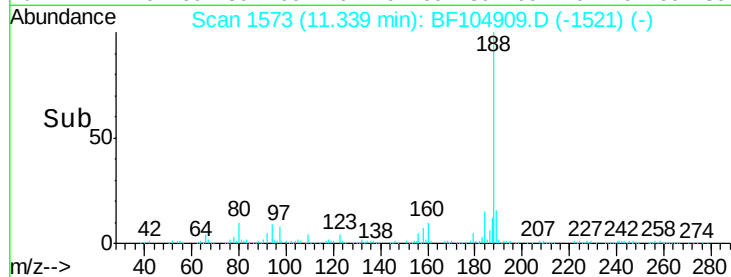
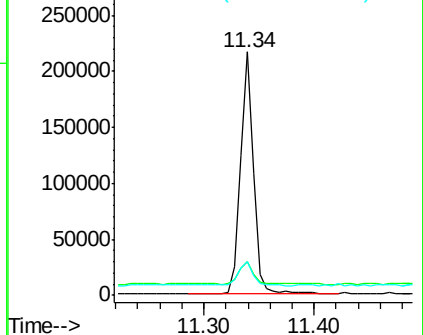
80 14.0 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.74 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.01 min

Lab File: BF104909.D

Acq: 28 Apr 2018 4:48

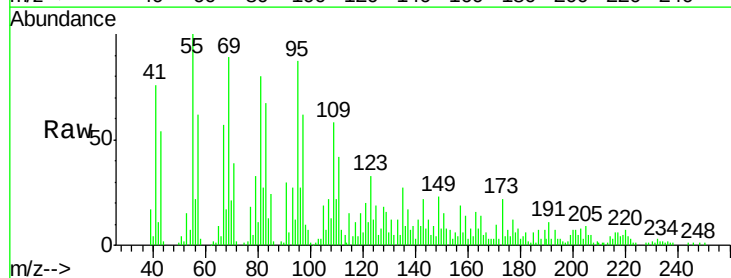
Tgt Ion:198 Resp: 1433

Ion Ratio Lower Upper

198 100

51 232.3 37.7 77.7#

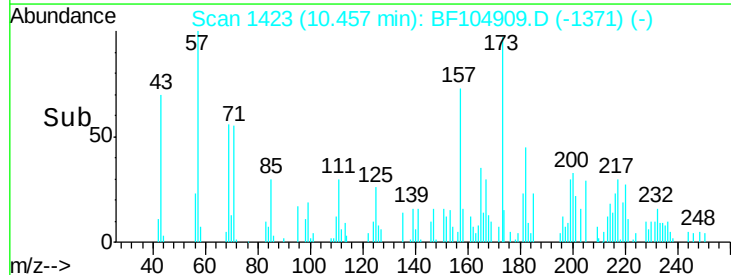
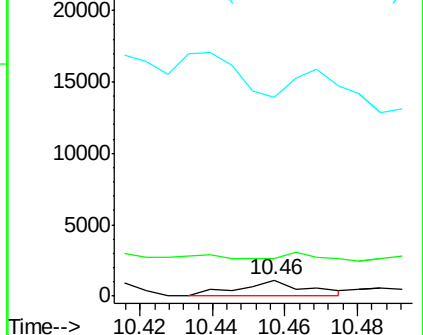
105 1237.3 36.3 76.3#

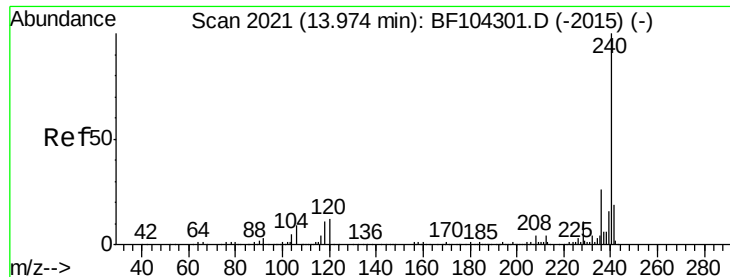


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104909.D

Acq: 28 Apr 2018 4:48

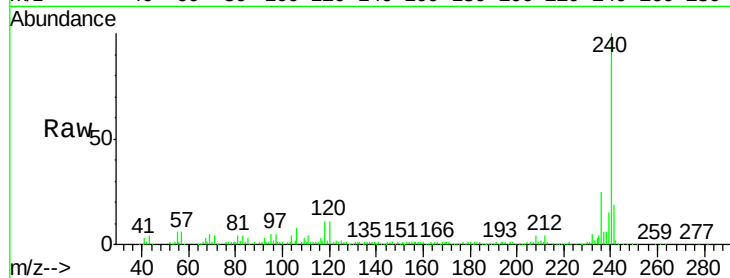
Tot Ion:240 Resp: 179266

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

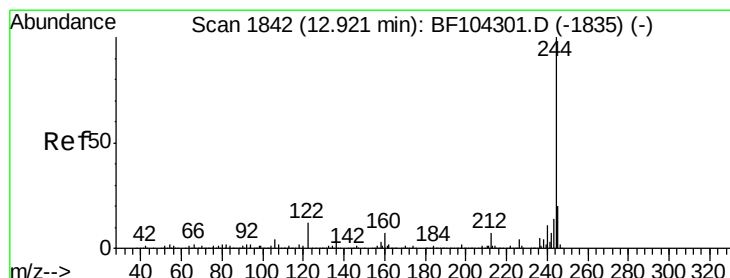
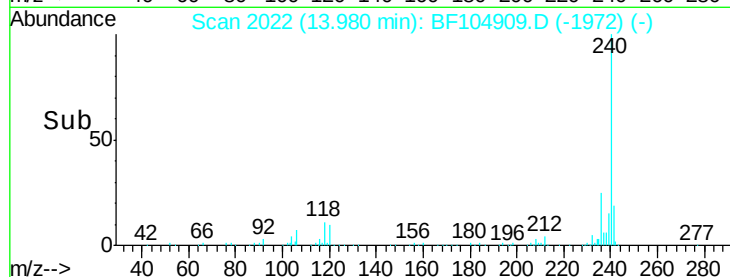
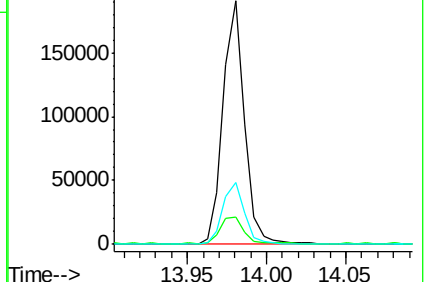
236 25.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 1.16 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104909.D

Acq: 28 Apr 2018 4:48

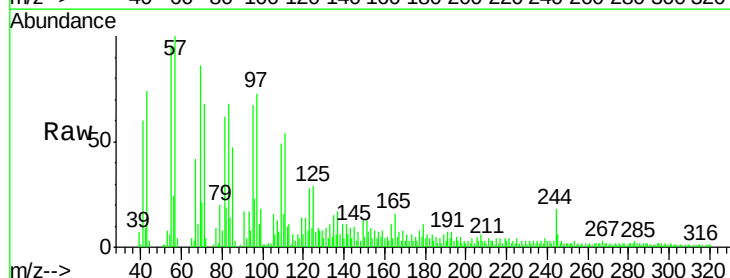
Tgt Ion:244 Resp: 9083

Ion Ratio Lower Upper

244 100

212 15.8 5.4 8.0#

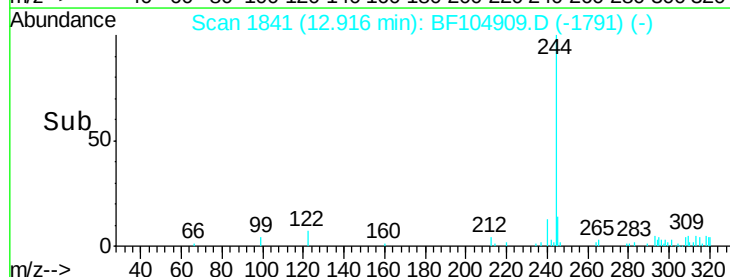
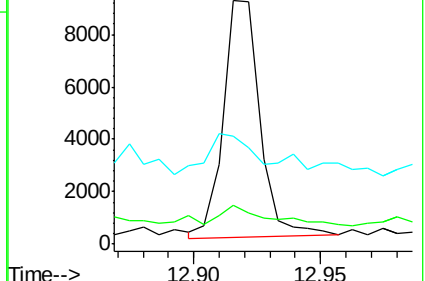
122 44.2 11.0 16.4#

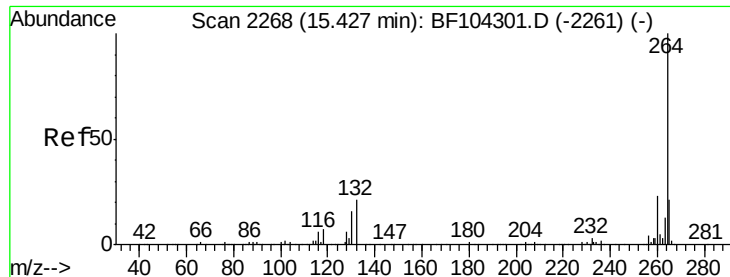


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

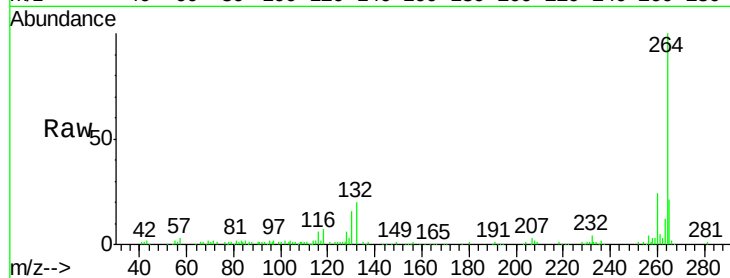
Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF104909.D
 Acq: 28 Apr 2018 4:48

Tot Ion:264	Resp:	145131
Ion Ratio	Lower	Upper
264	100	
260	23.7	19.2 28.8
265	21.2	17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

