

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104911.D
 Acq On : 28 Apr 2018 5:41
 Operator : JU/SJ
 Sample : J2515-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

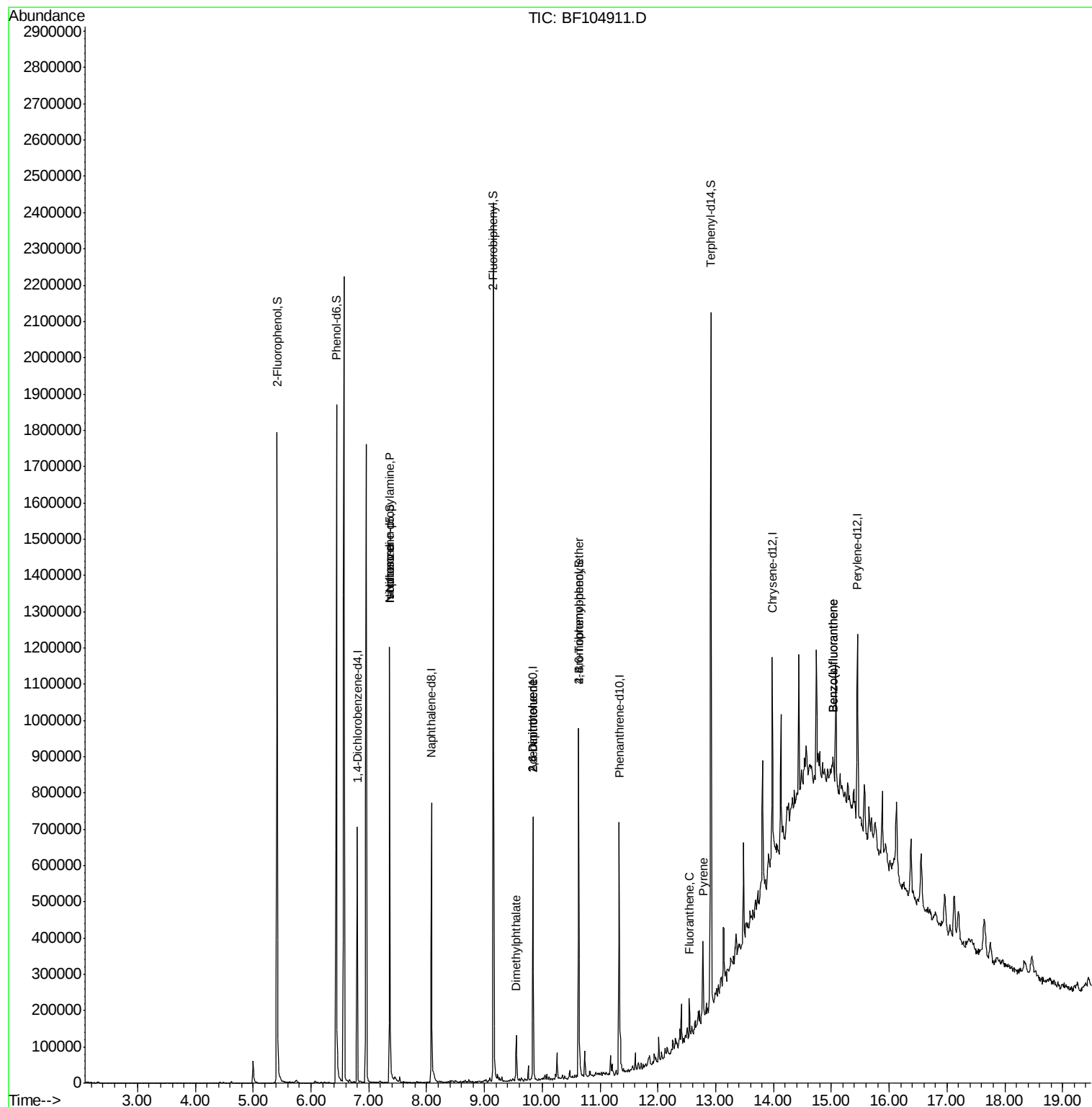
Quant Time: Apr 28 06:39:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

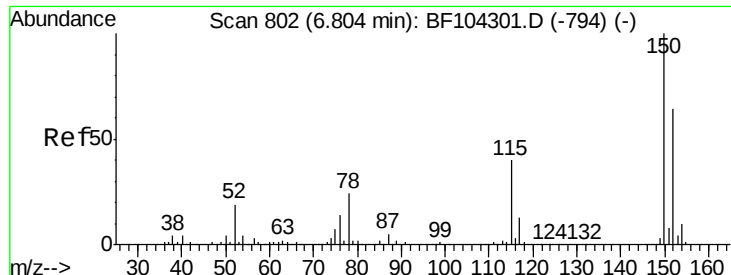
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	100995	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	382818	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	146222	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	249479	20.00	ng	0.00
75) Chrysene-d12	13.98	240	196770	20.00	ng	0.00
86) Perylene-d12	15.46	264	132797	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	593898	89.92	ng	0.00
7) Phenol-d6	6.44	99	699214	86.16	ng	0.00
23) Nitrobenzene-d5	7.36	82	416766	71.09	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	136855	90.23	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	718859	77.66	ng	0.00
78) Terphenyl-d14	12.92	244	628433	72.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	53289	10.05	ng	# 72
25) Isophorone	7.36	82	416763	33.62	ng	# 64
49) Dimethylphthalate	9.55	163	48342	4.19	ng	99
50) 2,6-Dinitrotoluene	9.84	165	19186	8.99	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	19186	6.86	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	8156	3.07	ng	# 1
74) Fluoranthene	12.54	202	37472	2.58	ng	94
76) Benzidine	12.56	184	371	Below Cal		# 1
77) Pyrene	12.77	202	38085	2.61	ng	96
87) Benzo(b)fluoranthene	15.03	252	22005	2.62	ng	# 1
88) Benzo(k)fluoranthene	15.03	252	22005	2.78	ng	# 1

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

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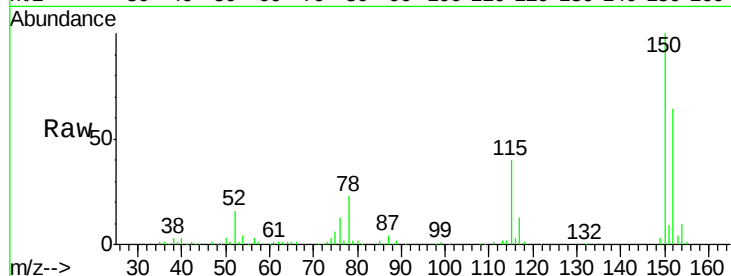




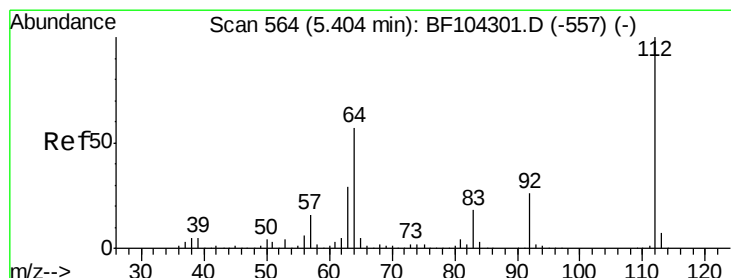
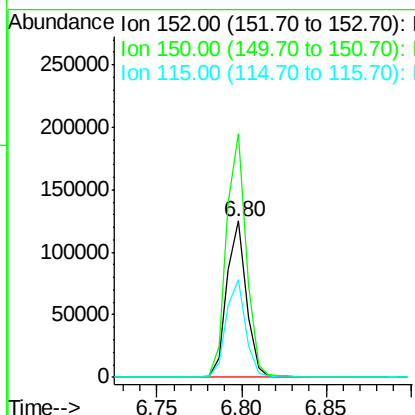
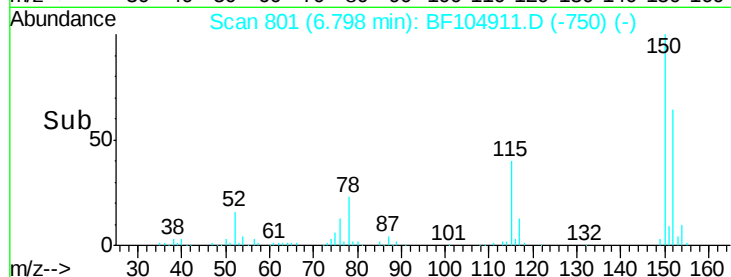
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104911.D
Acq: 28 Apr 2018 5:41

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	62.3	50.1	75.1



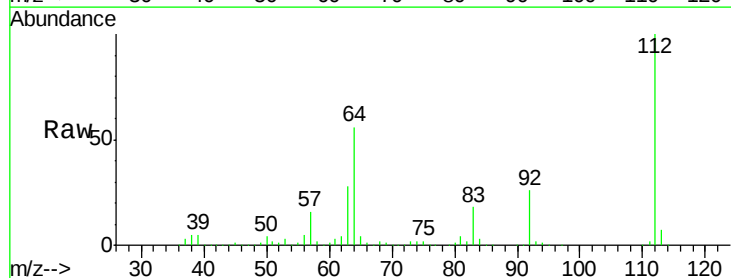
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



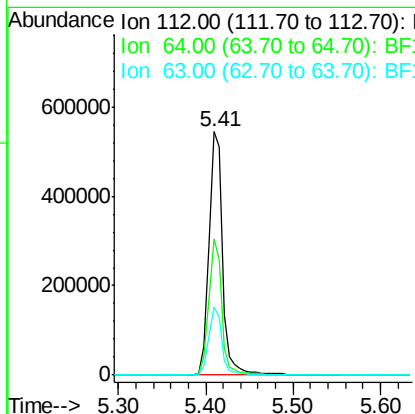
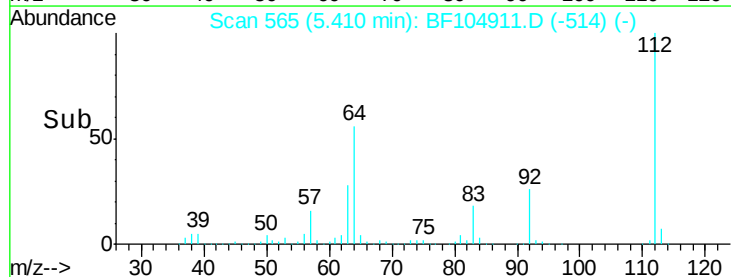
#5

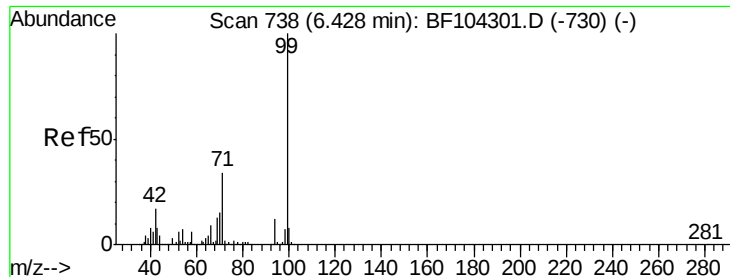
2-Fluorophenol
Concen: 89.92 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF104911.D
Acq: 28 Apr 2018 5:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	28.2	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: 86.16 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

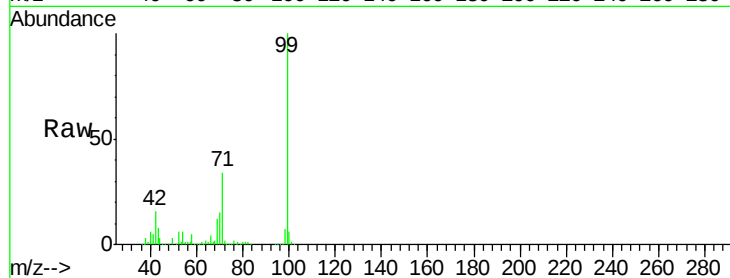
Tot Ion: 99 Resp: 699214

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

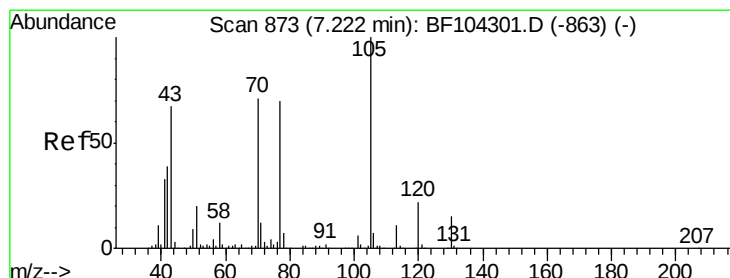
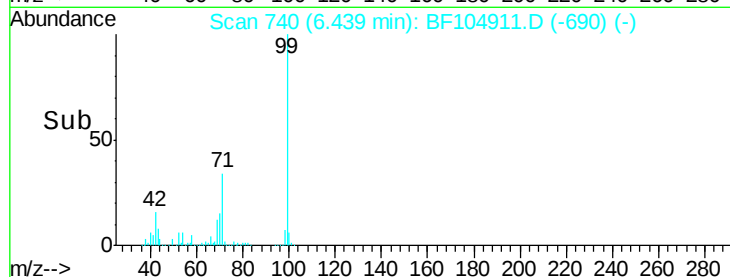
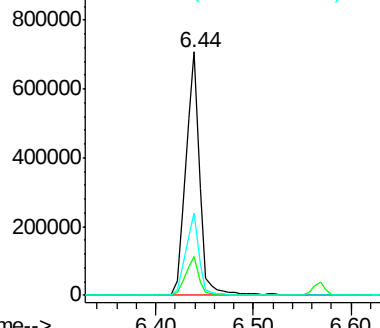
71 33.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.05 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

Tgt Ion: 70 Resp: 53289

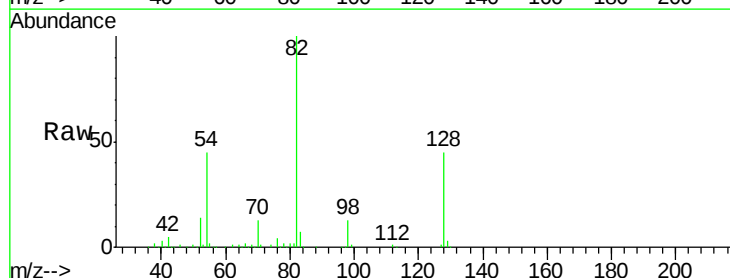
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

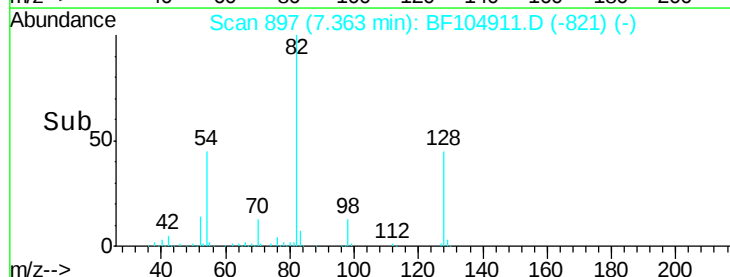
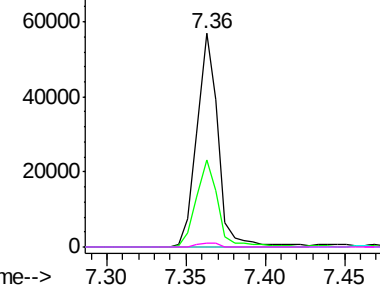


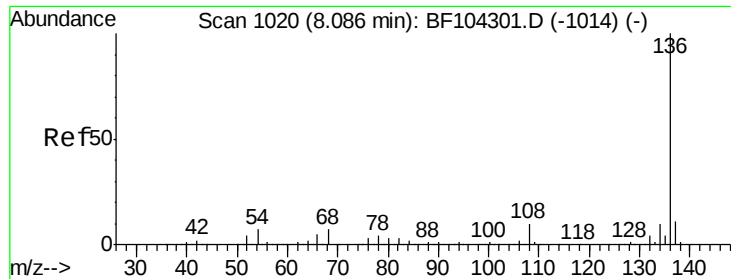
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

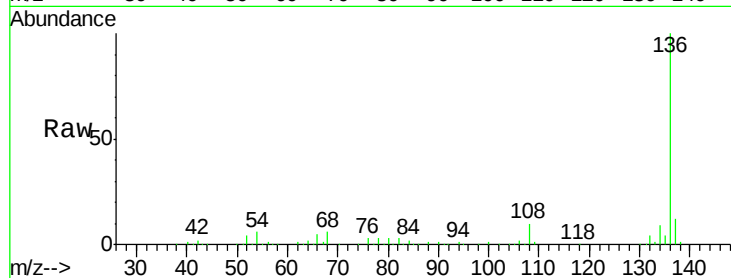
Ion 130.00 (129.70 to 130.70): BF1



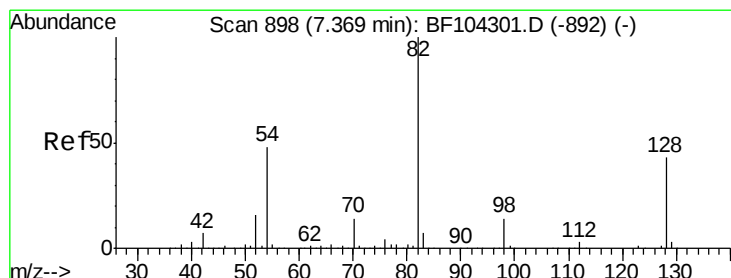
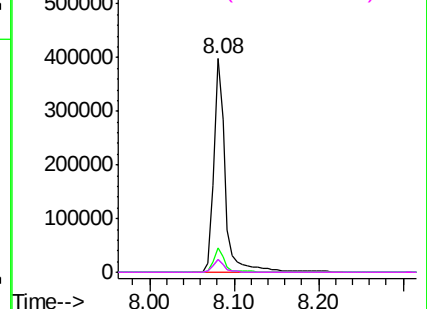
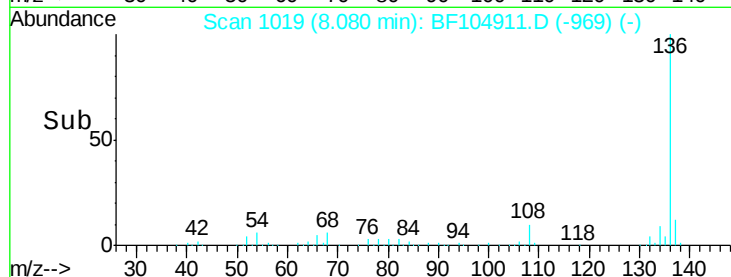


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104911.D
Acq: 28 Apr 2018 5:41

Tot Ion:136	Resp:	382818
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.9 13.3
54	6.1	6.6 9.8#
68	6.0	5.0 7.4

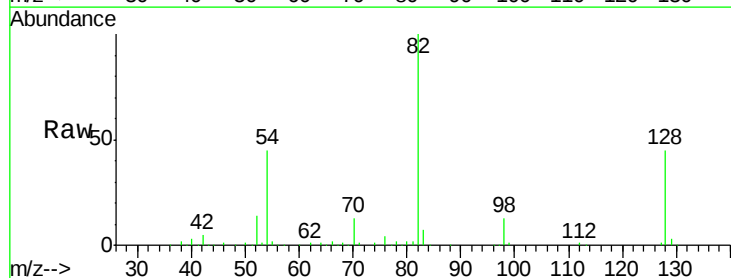


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

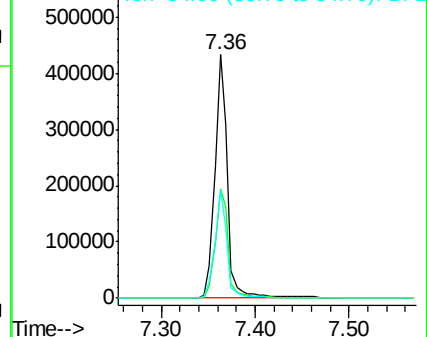
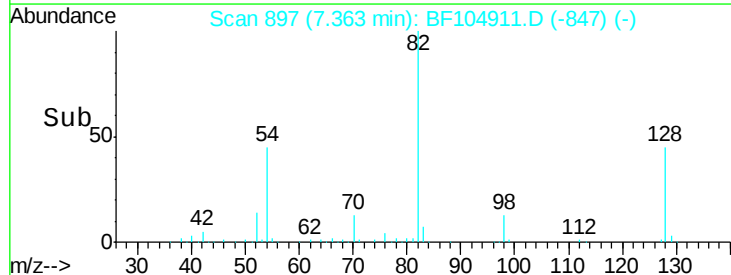


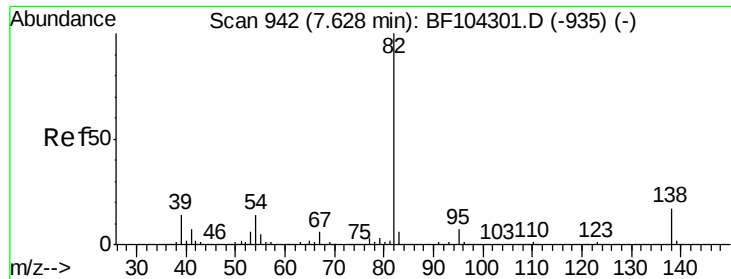
#23
Nitrobenzene-d5
Concen: 71.09 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104911.D
Acq: 28 Apr 2018 5:41

Tgt Ion: 82	Resp:	416766
Ion Ratio	Lower	Upper
82	100	
128	44.7	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): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.62 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

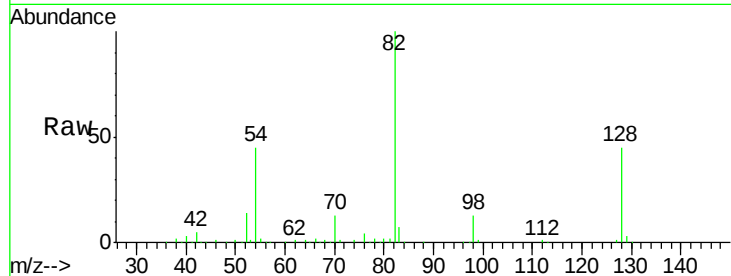
Tot Ion: 82 Resp: 416763

Ion Ratio Lower Upper

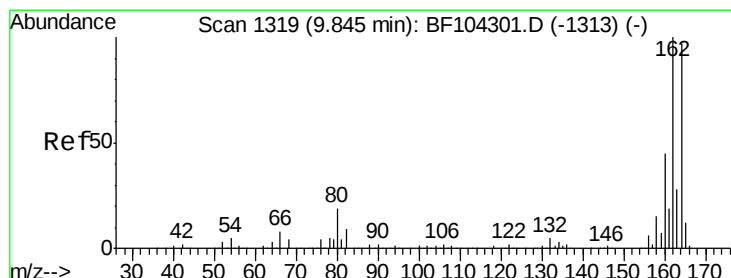
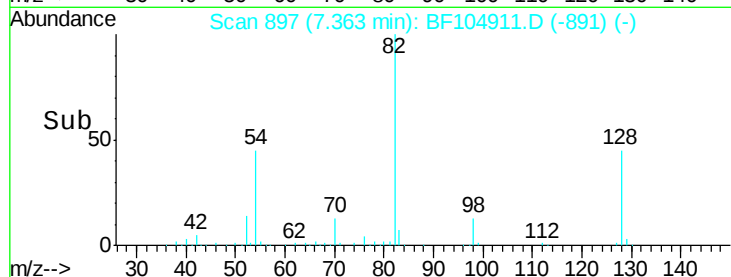
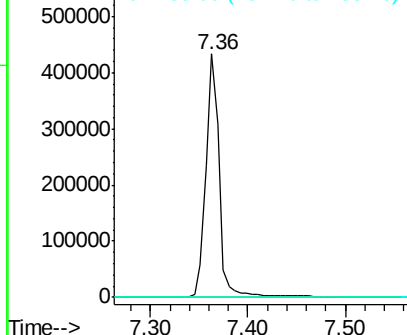
82 100

95 0.0 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: 20.00 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

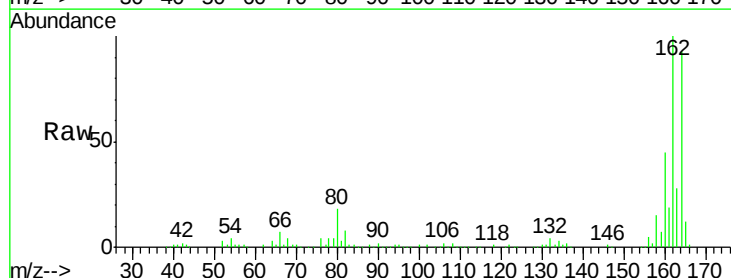
Tgt Ion: 164 Resp: 146222

Ion Ratio Lower Upper

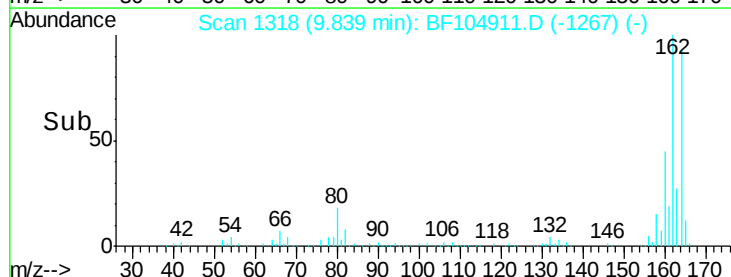
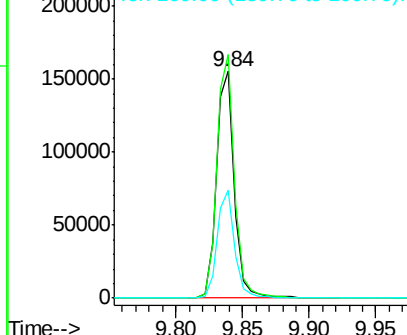
164 100

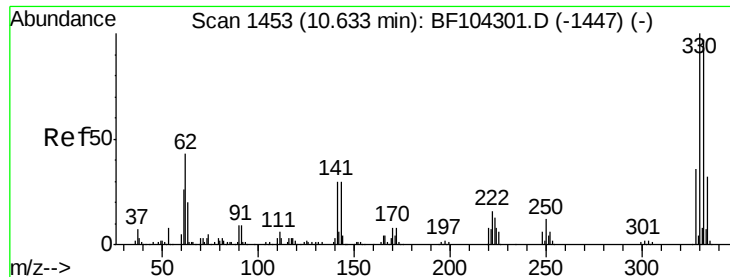
162 107.3 86.1 129.1

160 47.8 38.3 57.5



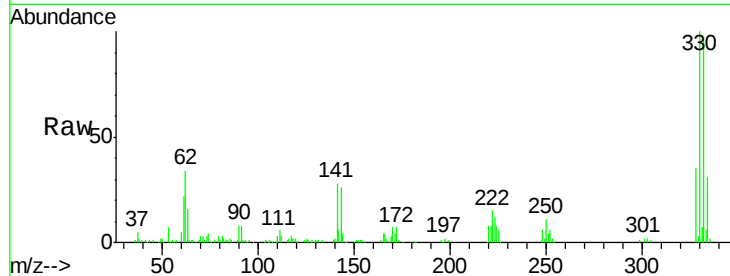
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



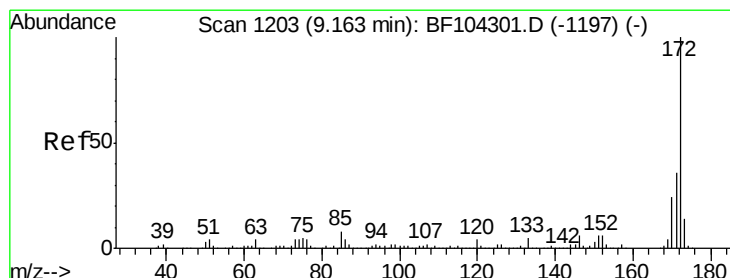
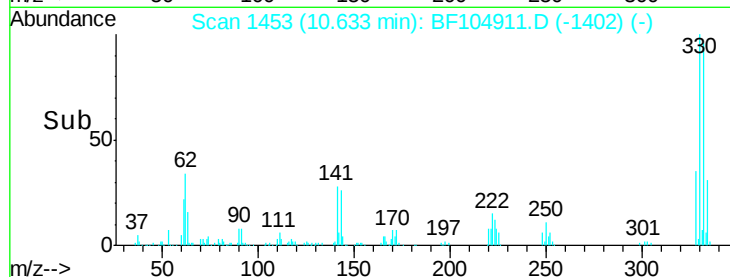
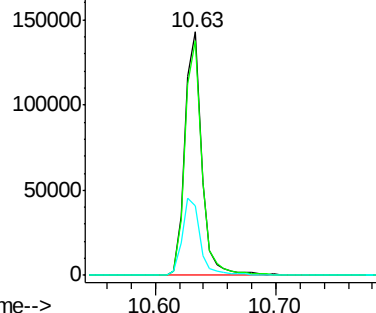


#41
 2,4,6-Tribromophenol
 Concen: 90.23 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104911.D
 Acq: 28 Apr 2018 5:41

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	34.3	29.9	44.9

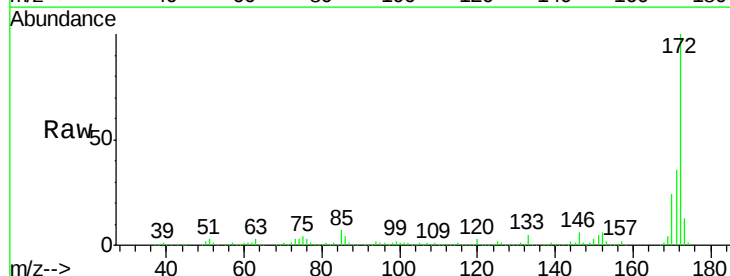


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

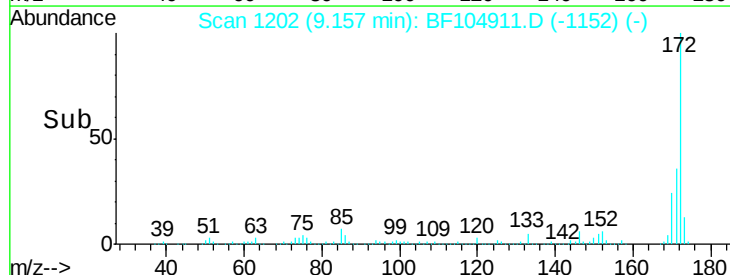
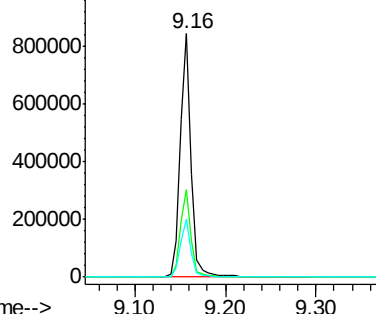


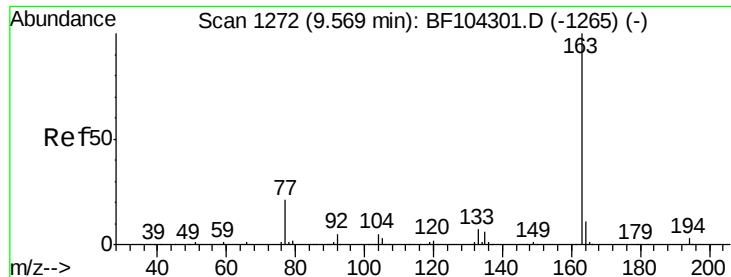
#44
 2-Fluorobiphenyl
 Concen: 77.66 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104911.D
 Acq: 28 Apr 2018 5:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.9	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: 4.19 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

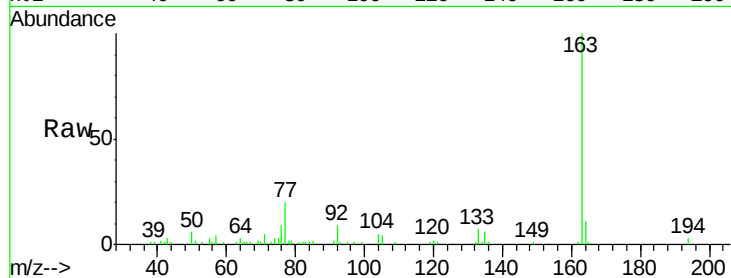
Tot Ion:163 Resp: 48342

Ion Ratio Lower Upper

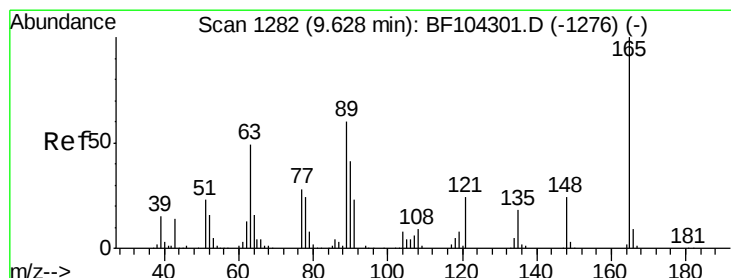
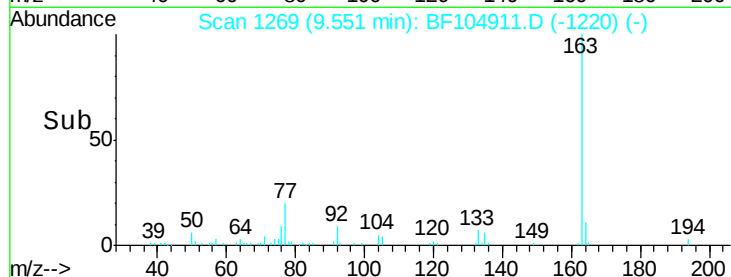
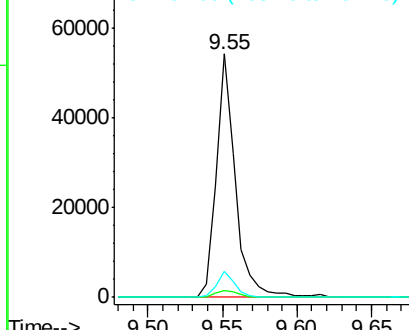
163 100

194 3.0 2.7 4.1

164 10.6 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: 8.99 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

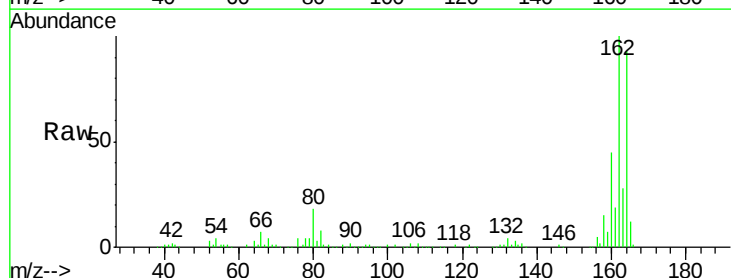
Tgt Ion:165 Resp: 19186

Ion Ratio Lower Upper

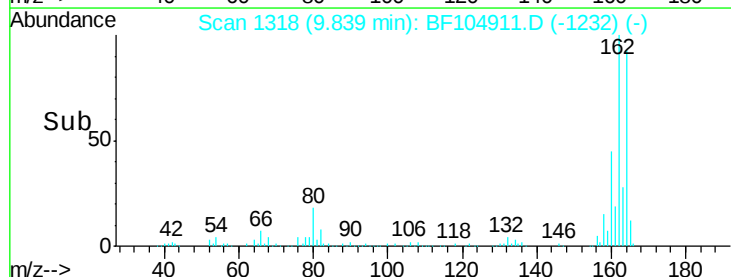
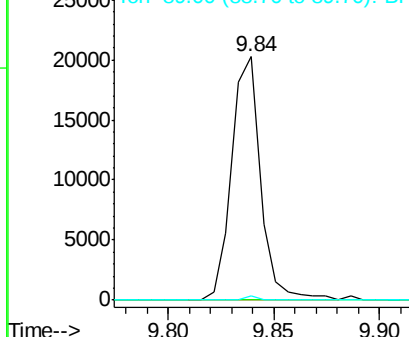
165 100

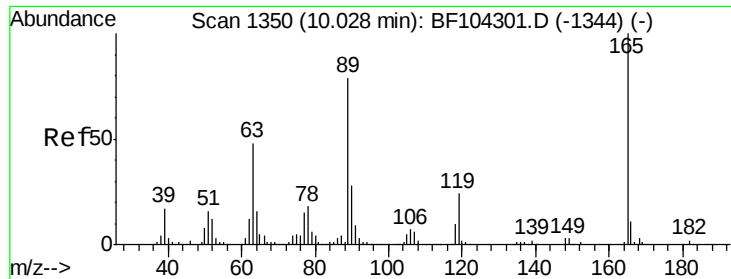
63 0.0 44.7 67.1#

89 1.7 44.0 66.0#



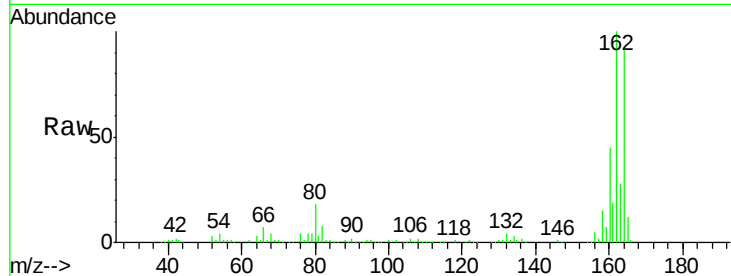
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#56
 2,4-Dinitrotoluene
 Concen: 6.86 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104911.D
 Acq: 28 Apr 2018 5:41

Tot Ion:	165	Resp:	19186
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

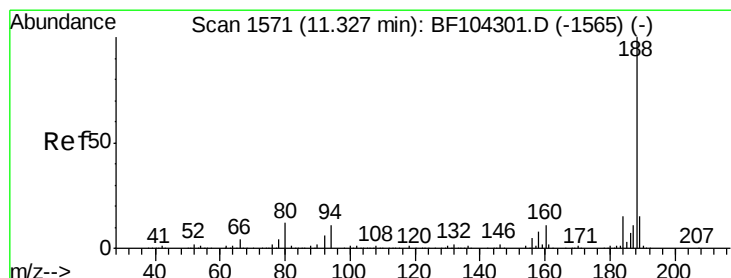
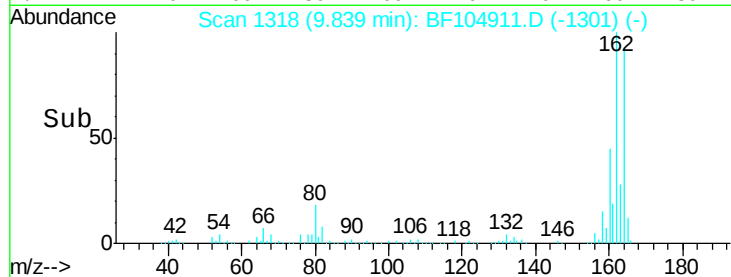
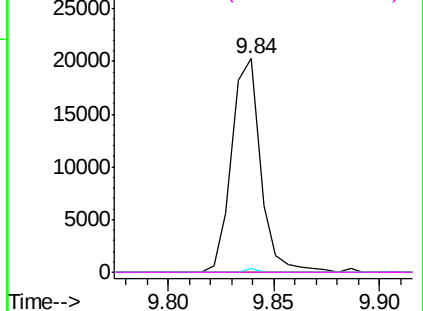


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

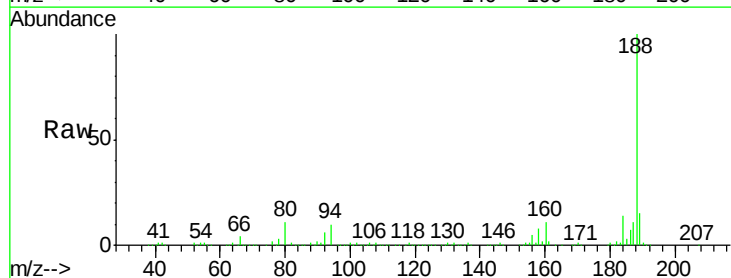
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104911.D
 Acq: 28 Apr 2018 5:41

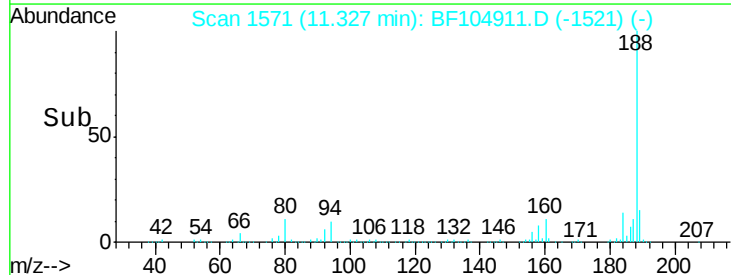
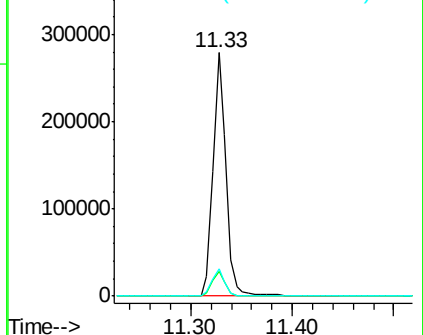
Tgt Ion:	188	Resp:	249479
Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.0	9.2	13.8

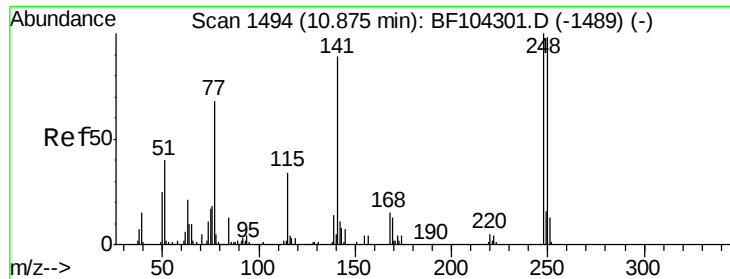


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

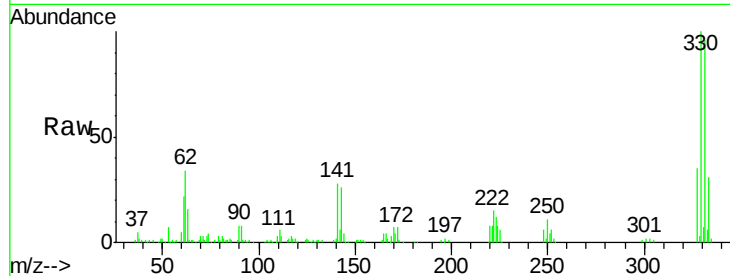
Ion 80.00 (79.70 to 80.70): BF1



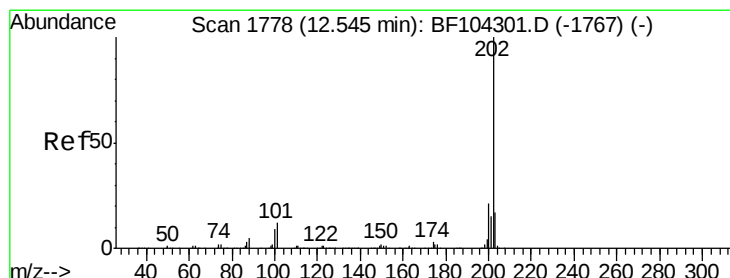
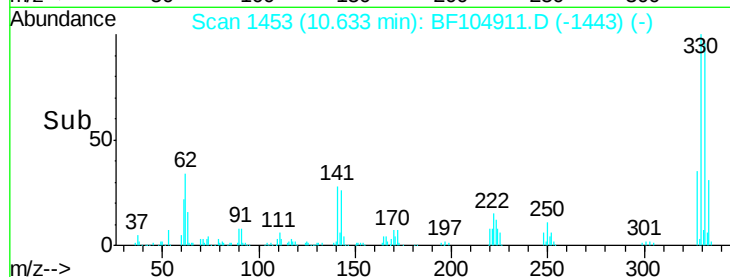
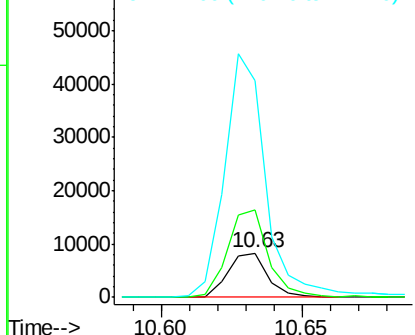


#66
 4-Bromophenyl-phenylether
 Concen: 3.07 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104911.D
 Acq: 28 Apr 2018 5:41

Tot Ion	Ratio	Lower	Upper
248	100		
250	197.1	76.9	115.3#
141	489.9	74.4	111.6#

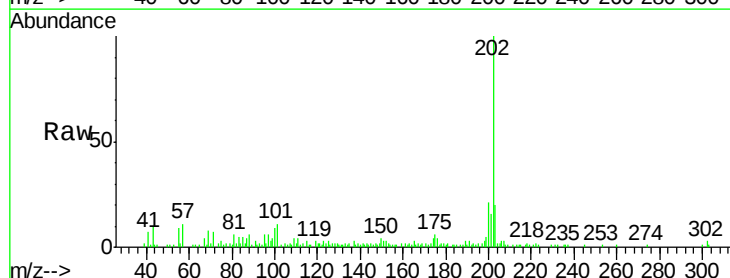


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

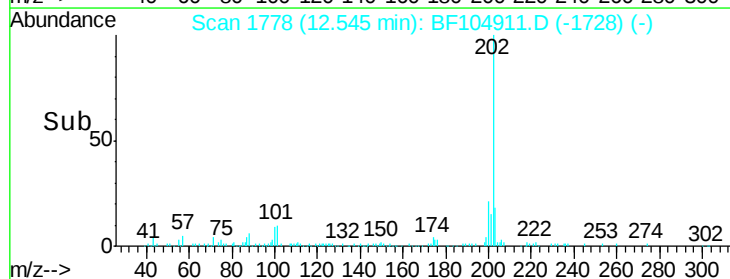
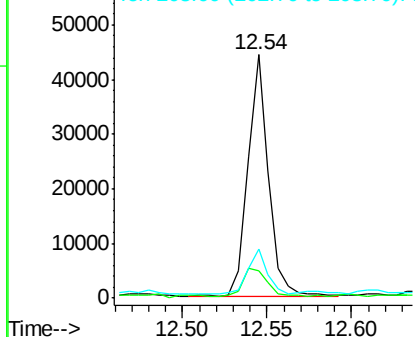


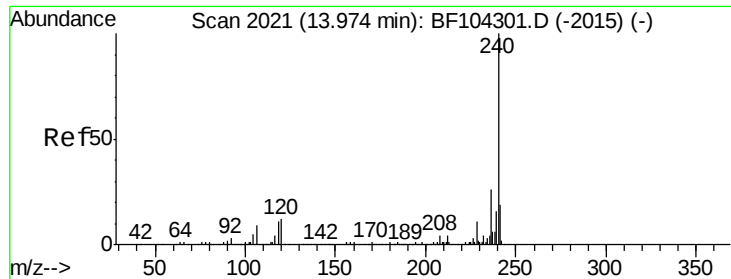
#74
 Fluoranthene
 Concen: 2.58 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104911.D
 Acq: 28 Apr 2018 5:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	20.0	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: 20.00 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

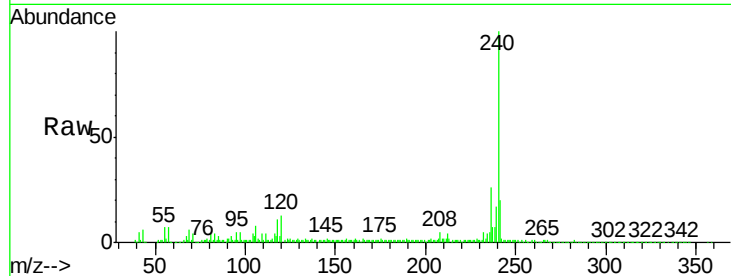
Tot Ion:240 Resp: 196770

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

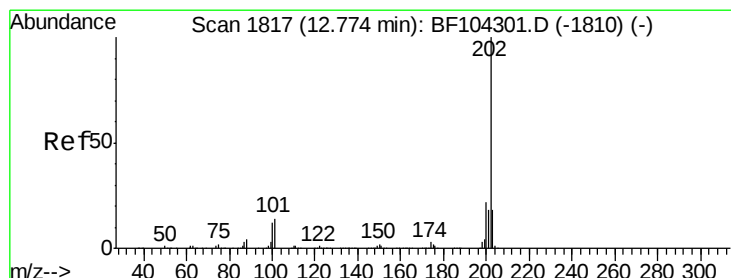
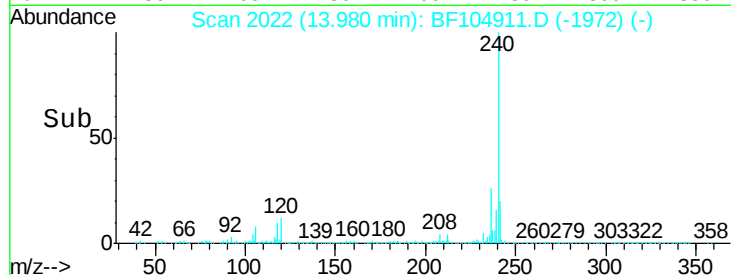
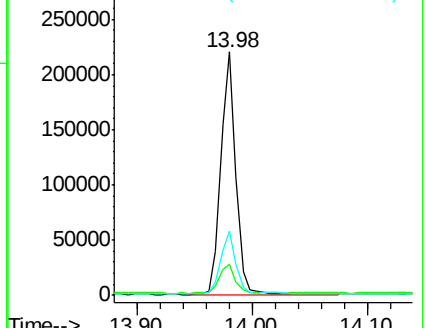
236 26.4 20.7 31.1



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: 2.61 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

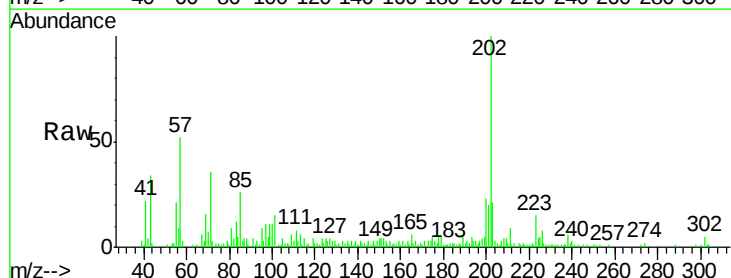
Tgt Ion:202 Resp: 38085

Ion Ratio Lower Upper

202 100

200 22.6 17.4 26.2

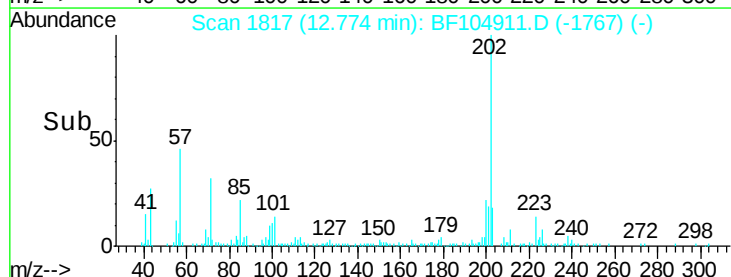
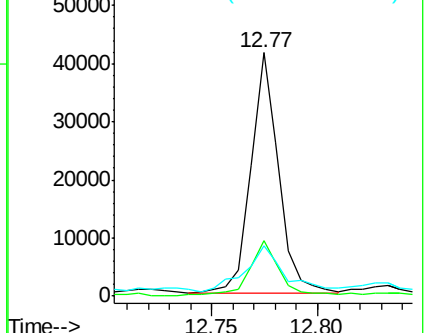
203 20.7 14.3 21.5

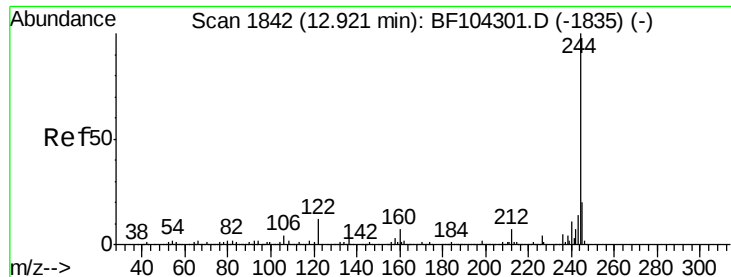


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

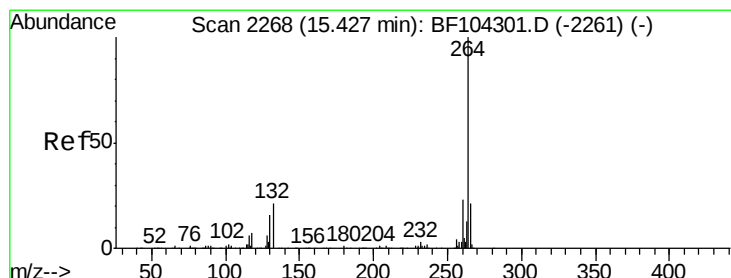
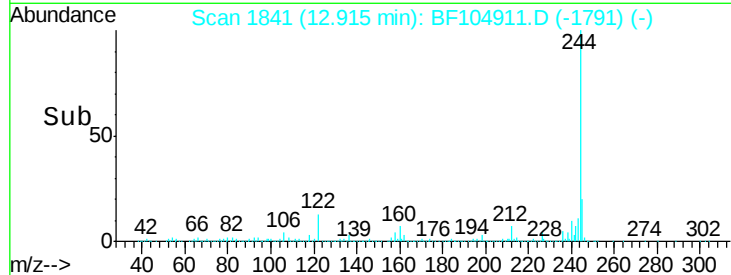
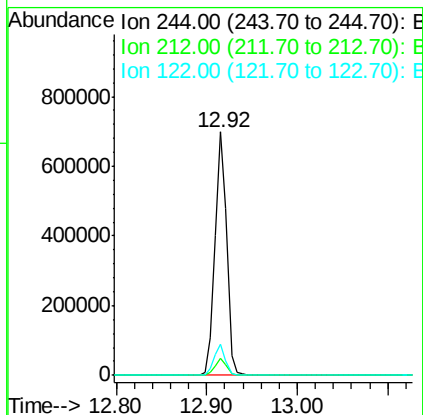
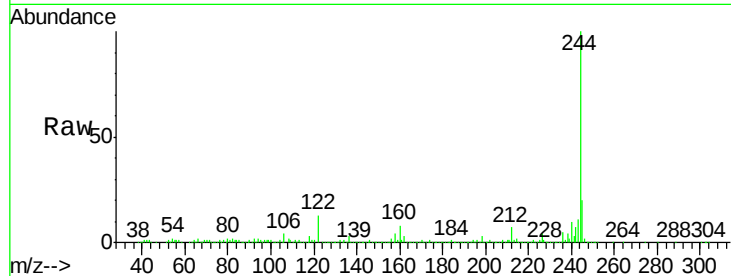
Ion 203.00 (202.70 to 203.70): E





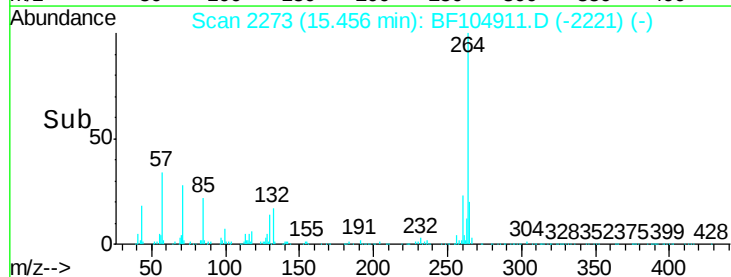
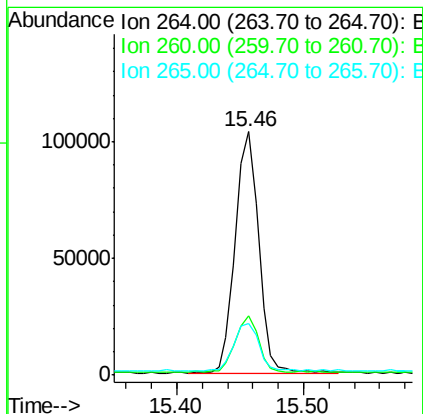
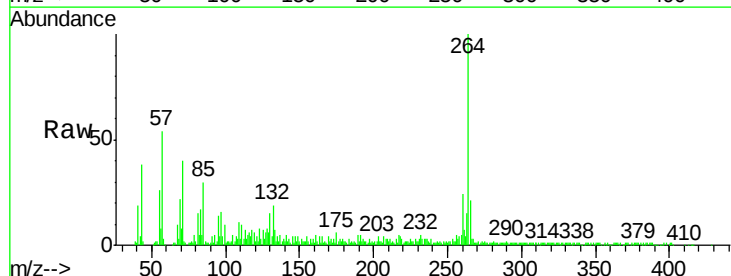
#78
 Terphenyl-d14
 Concen: 72.81 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104911.D
 Acq: 28 Apr 2018 5:41

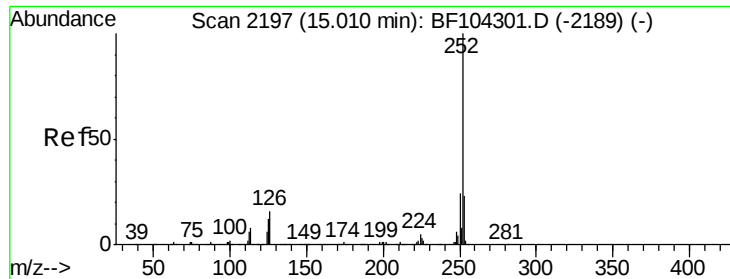
Tot Ion:244 Resp: 628433
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF104911.D
 Acq: 28 Apr 2018 5:41

Tgt Ion:264 Resp: 132797
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.62 ng

RT: 15.03 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

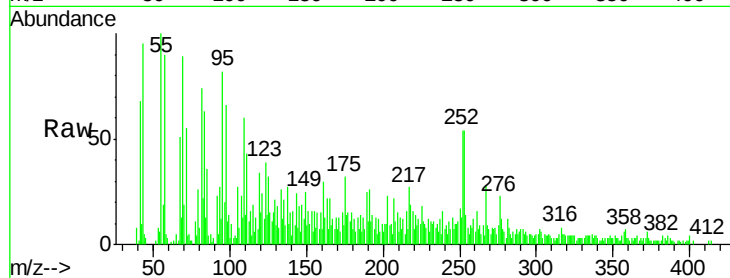
Tot Ion:252 Resp: 22005

Ion Ratio Lower Upper

252 100

253 98.9 17.0 25.6#

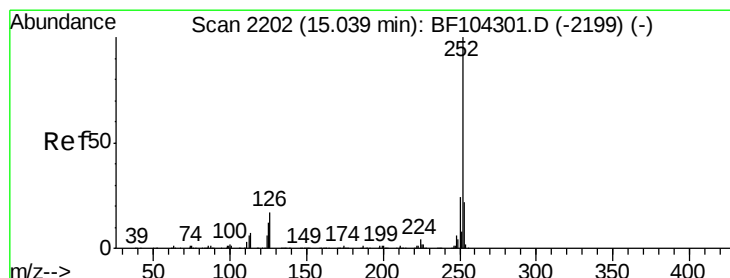
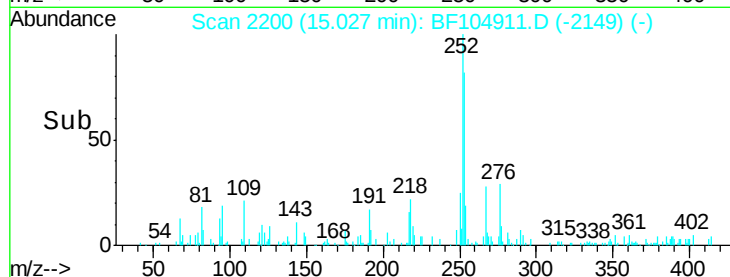
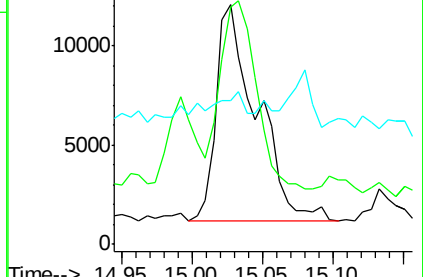
125 59.9 9.0 13.6#



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: 2.78 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.03 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

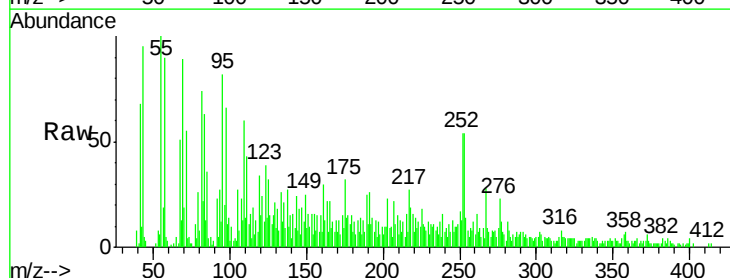
Tgt Ion:252 Resp: 22005

Ion Ratio Lower Upper

252 100

253 98.9 17.9 26.9#

125 59.9 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

