

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
 Data File : BF110709.D
 Acq On : 13 Nov 2018 8:06
 Operator : JU/SJ
 Sample : J5904-20
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 10:37:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

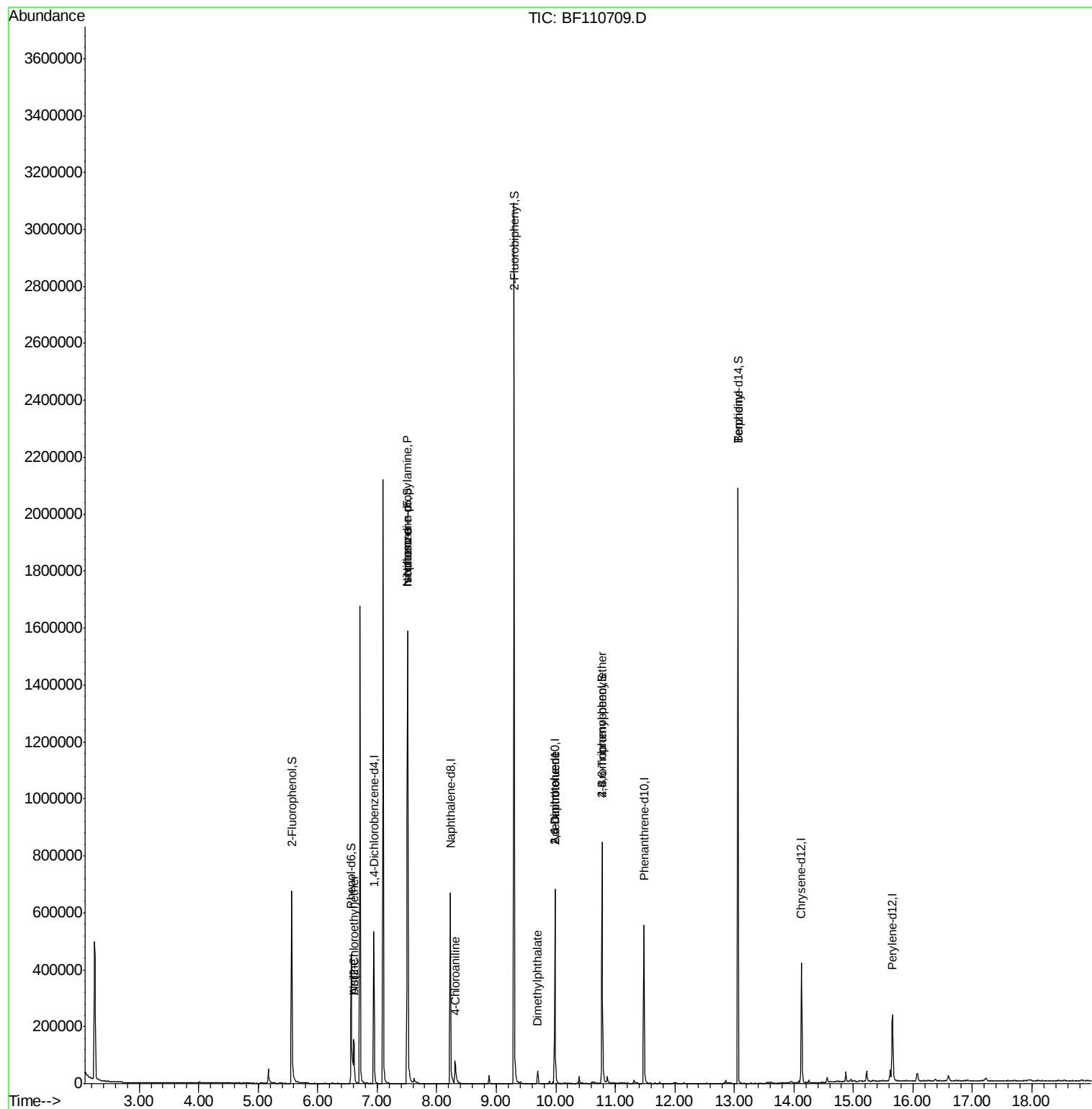
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	81722	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	343093	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	147852	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	234410	20.00	ng	0.00
76) Chrysene-d12	14.13	240	159853	20.00	ng	-0.01
87) Perylene-d12	15.66	264	122248	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	219952	43.72	ng	0.00
7) Phenol-d6	6.56	99	173618	26.99	ng	-0.01
23) Nitrobenzene-d5	7.51	82	573742	96.30	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	110417	74.12	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1031003	99.59	ng	0.00
79) Terphenyl-d14	13.06	244	670611	78.57	ng	0.00
Target Compounds						
6) Aniline	6.60	93	52934	6.309	ng	# 55
9) Benzaldehyde	6.61	77	454	Below Cal		# 1
11) bis(2-Chloroethyl)ether	6.60	93	52934	9.468	ng	# 26
19) n-Nitroso-di-n-propylamine	7.51	70	75905	18.483	ng	# 81
25) Isophorone	7.51	82	573739	58.758	ng	# 67
33) 4-Chloroaniline	8.31	127	44730	6.131	ng	97
50) Dimethylphthalate	9.70	163	25233	2.287	ng	98
51) 2,6-Dinitrotoluene	9.99	165	19028	7.840	ng	# 22
57) 2,4-Dinitrotoluene	9.99	165	19028	6.030	ng	# 19
67) 4-Bromophenyl-phenylether	10.77	248	7209	2.783	ng	# 1
77) Benzidine	13.06	184	9130	2.077	ng	95

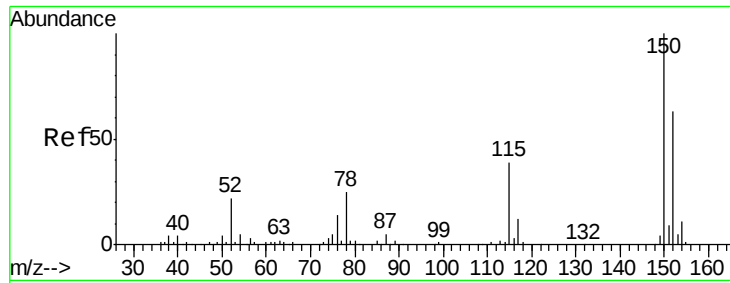
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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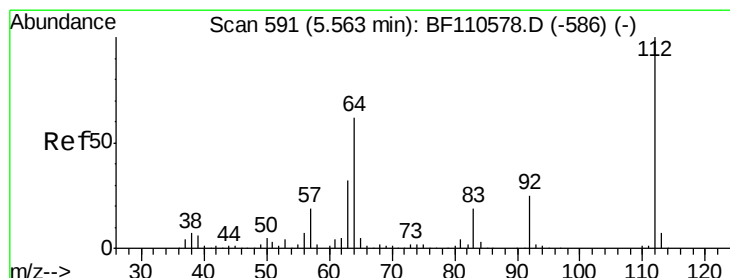
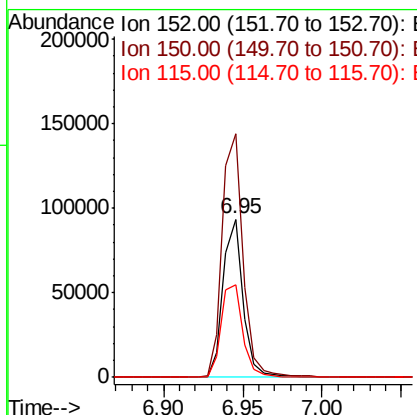
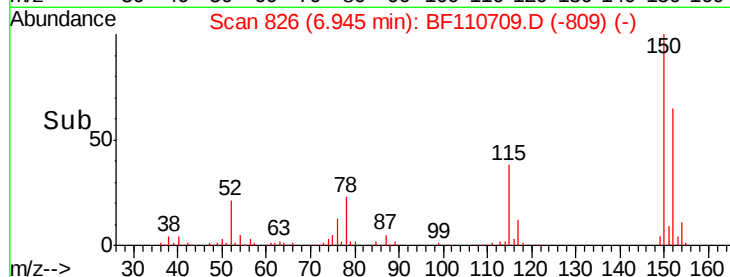
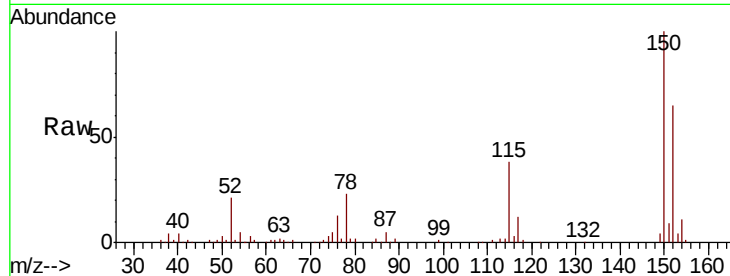




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110709.D
 Acq: 13 Nov 2018 8:06

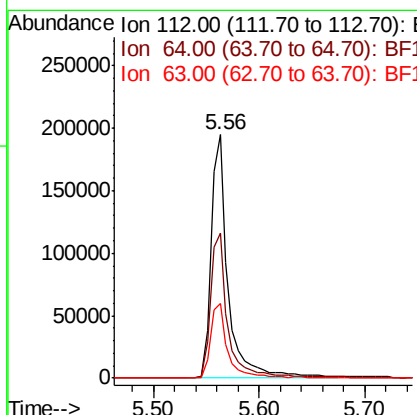
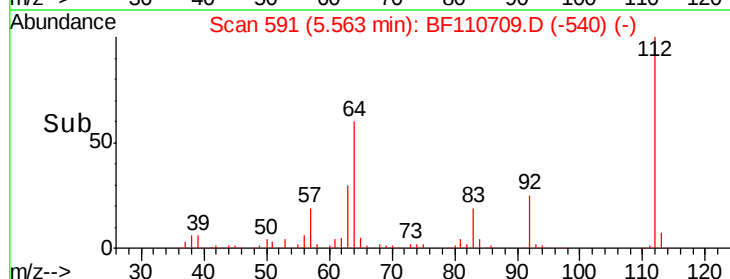
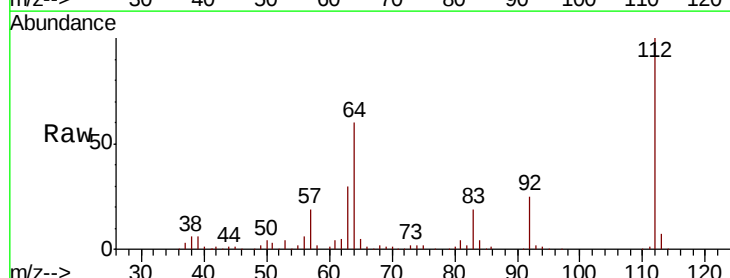
Instrument :
 BNA_F
 ClientSampleId :

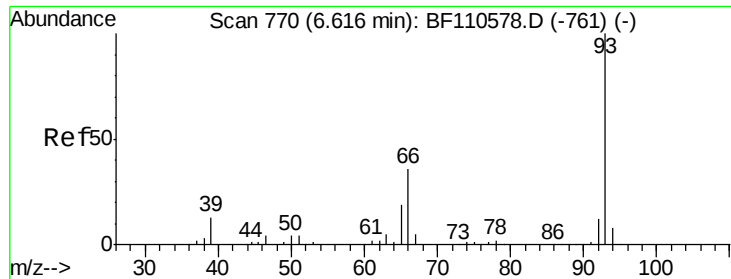
Tot Ion:	152	Resp:	81722
Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.7	184.1
115	59.0	49.1	73.7



#5
 2-Fluorophenol
 Concen: 43.718 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110709.D
 Acq: 13 Nov 2018 8:06

Tgt Ion:	112	Resp:	219952
Ion	Ratio	Lower	Upper
112	100		
64	59.5	44.1	66.1
63	30.4	23.7	35.5





#6

Aniline

Concen: 6.309 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110709.D

Acq: 13 Nov 2018 8:06

Instrument :

BNA_F

ClientSampleId :

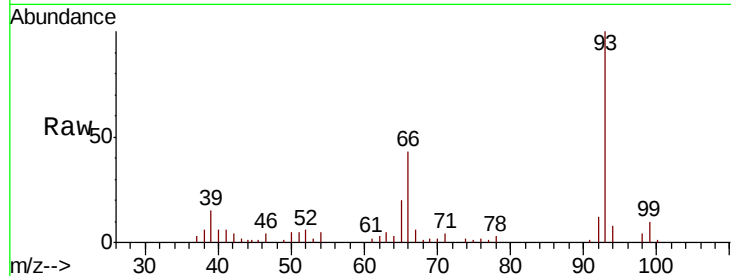
Tot Ion: 93 Resp: 52934

Ion Ratio Lower Upper

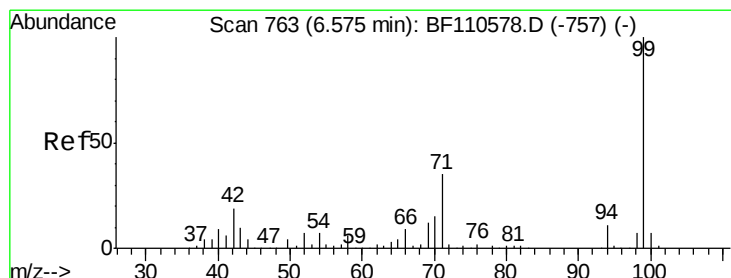
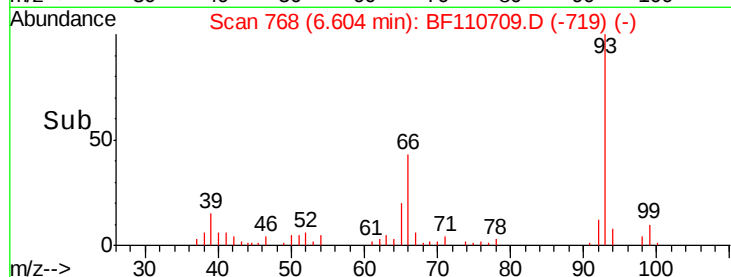
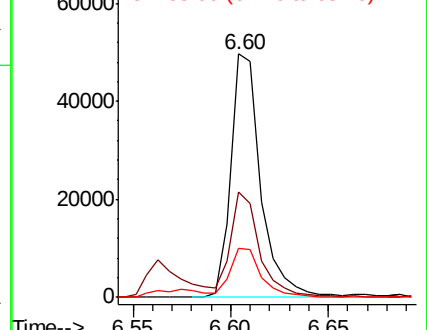
93 100

66 43.1 67.4 101.0#

65 20.3 41.0 61.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 26.986 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110709.D

Acq: 13 Nov 2018 8:06

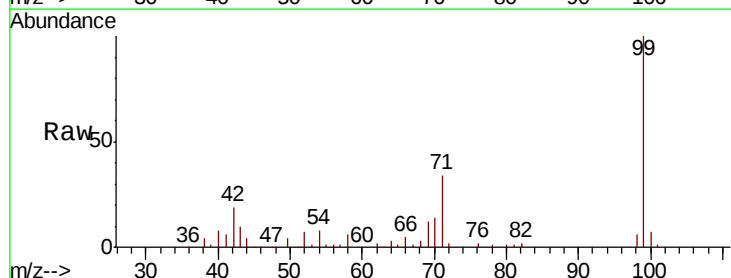
Tgt Ion: 99 Resp: 173618

Ion Ratio Lower Upper

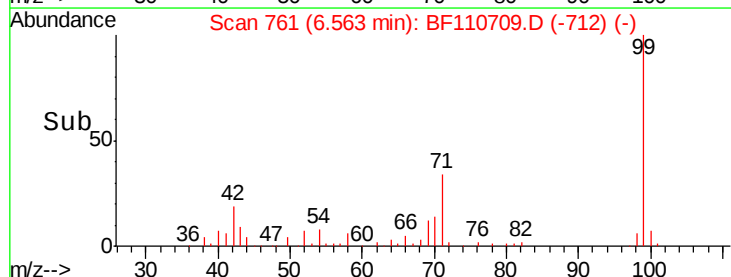
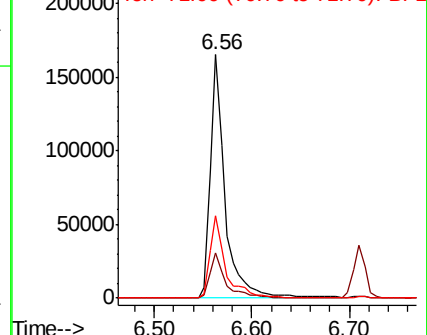
99 100

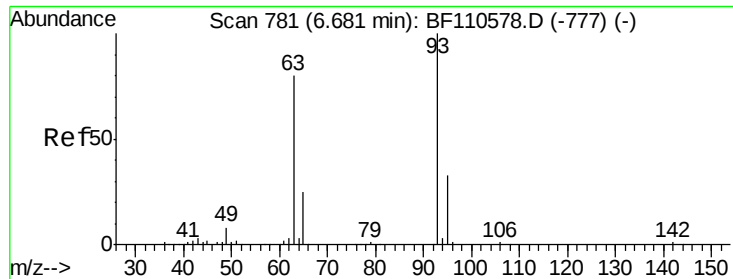
42 18.6 15.8 23.6

71 33.9 28.0 42.0



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

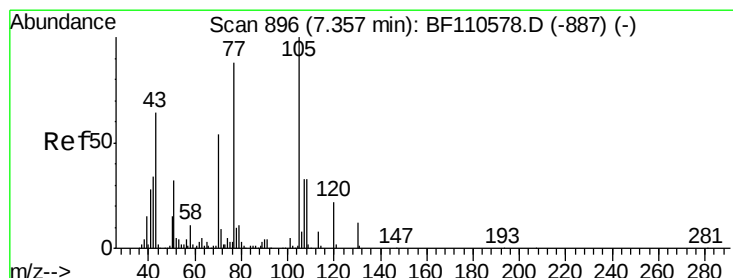
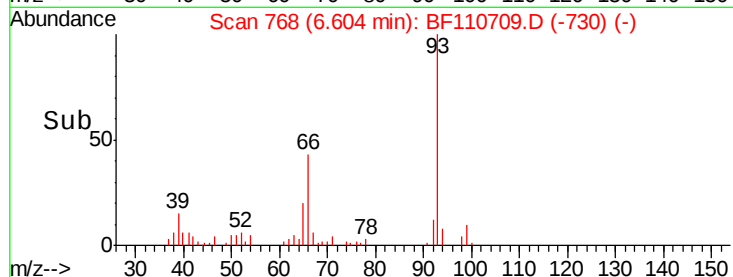
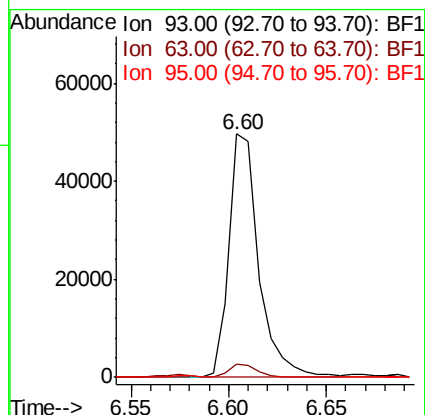
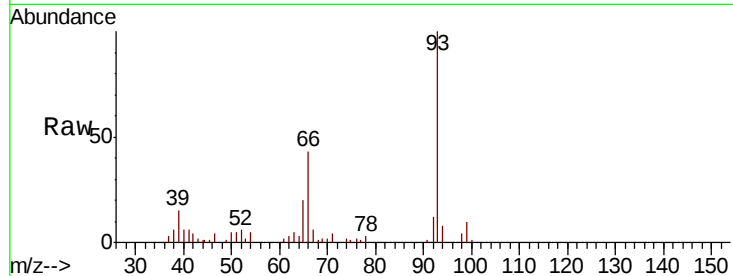




#11
 bis(2-Chloroethyl)ether
 Concen: 9.468 ng
 RT: 6.60 min Scan# 768
 Delta R.T. -0.08 min
 Lab File: BF110709.D
 Acq: 13 Nov 2018 8:06

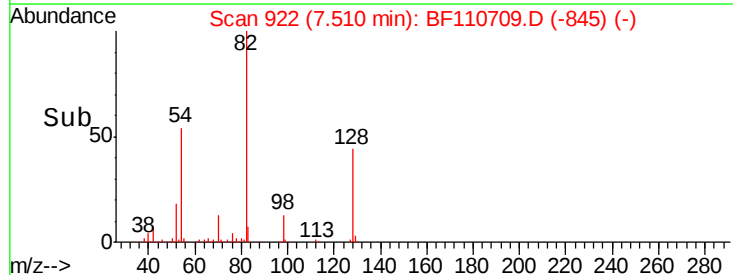
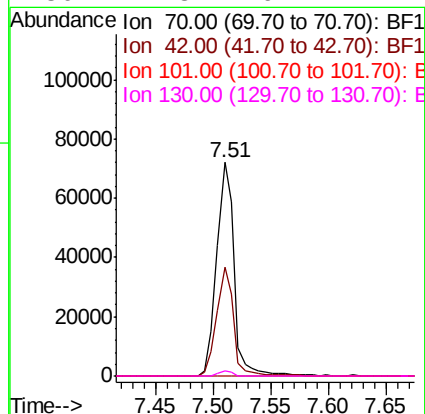
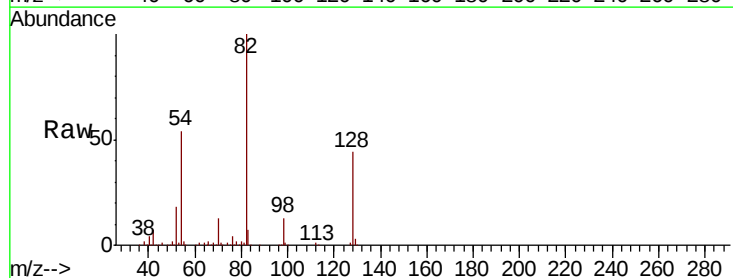
Instrument :
 BNA_F
 ClientSampleId :

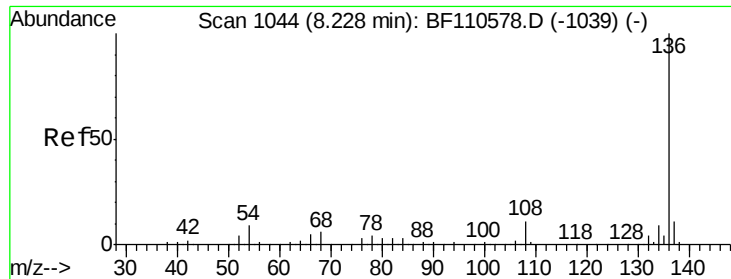
Tot Ion	Ratio	Lower	Upper
93	100		
63	5.3	53.4	93.4#
95	0.0	12.1	52.1#



#19
 n-Nitroso-di-n-propylamine
 Concen: 18.483 ng
 RT: 7.51 min Scan# 922
 Delta R.T. 0.15 min
 Lab File: BF110709.D
 Acq: 13 Nov 2018 8:06

Tgt Ion	Ratio	Lower	Upper
70	100		
42	50.8	47.4	71.2
101	0.0	7.3	10.9#
130	2.3	16.2	24.2#

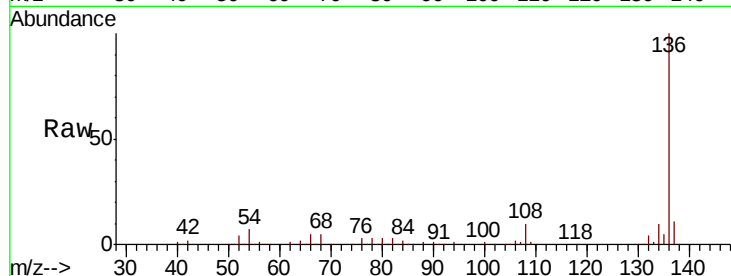




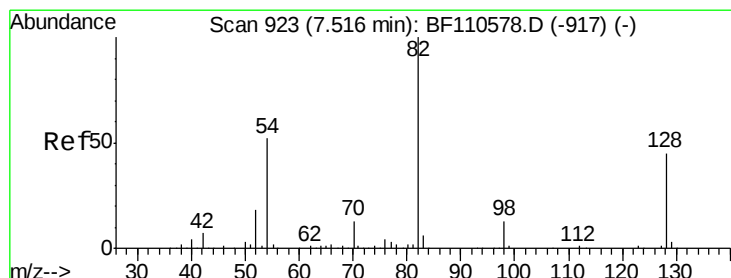
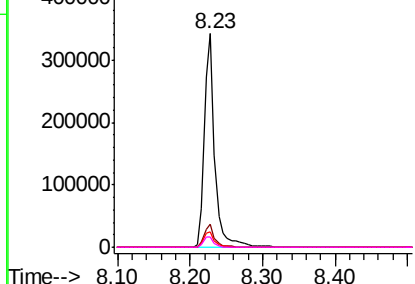
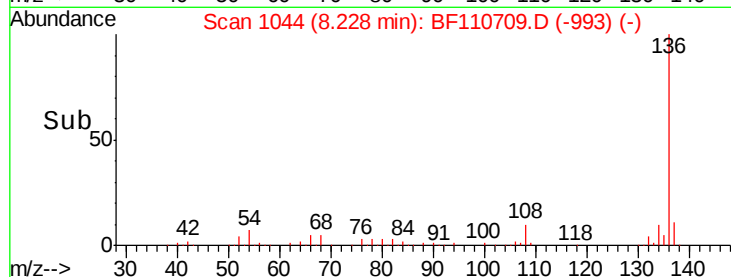
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	343093
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.3	5.4	8.2
68	5.0	4.2	6.2

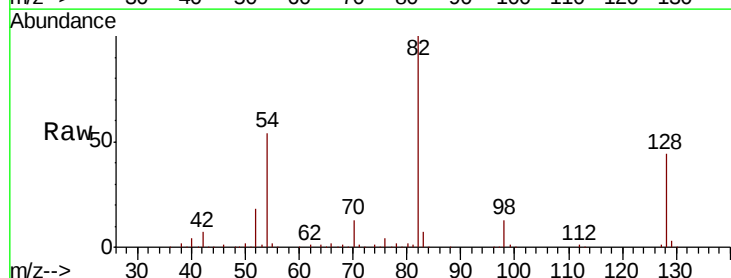


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

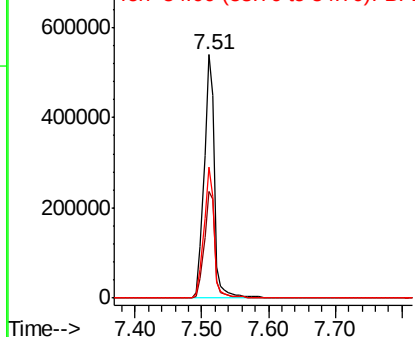
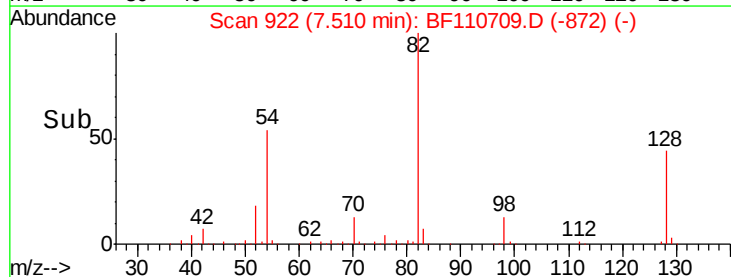


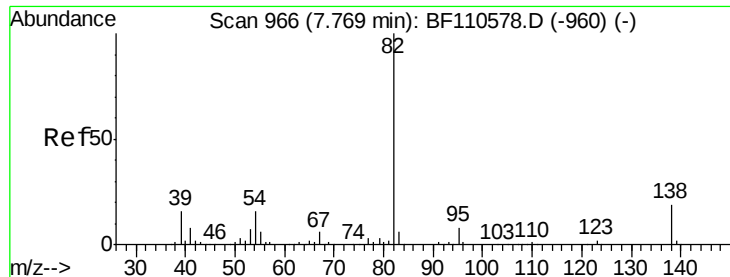
#23
Nitrobenzene-d5
Concen: 96.305 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

Tgt Ion:	82	Resp:	573742
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.2	51.2
54	53.9	38.6	58.0



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

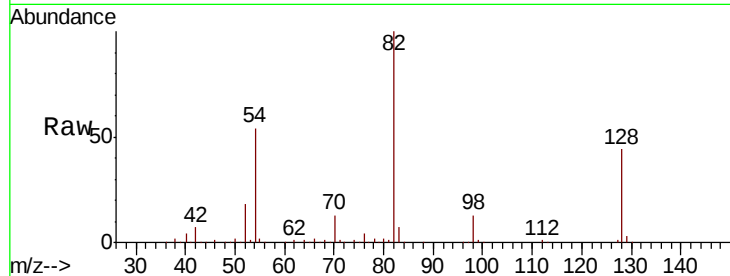




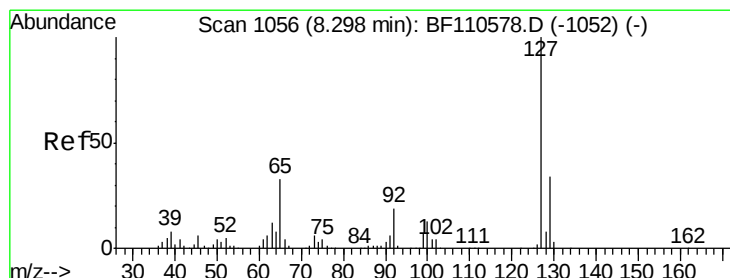
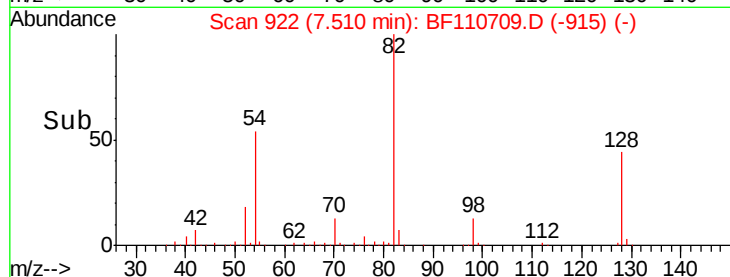
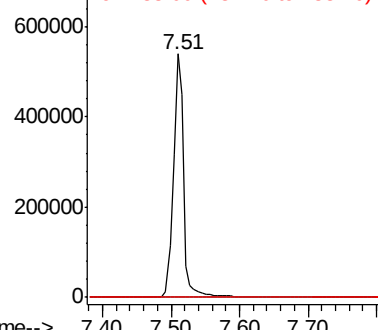
#25
Isophorone
Concen: 58.758 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 573739
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#

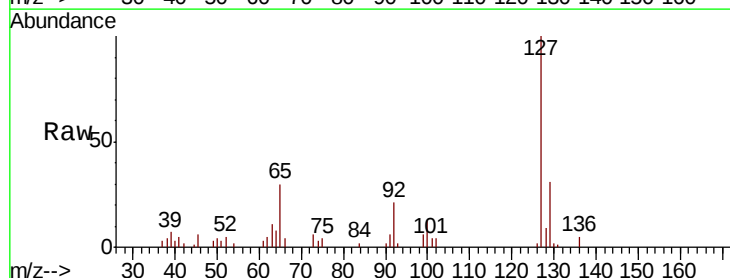


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

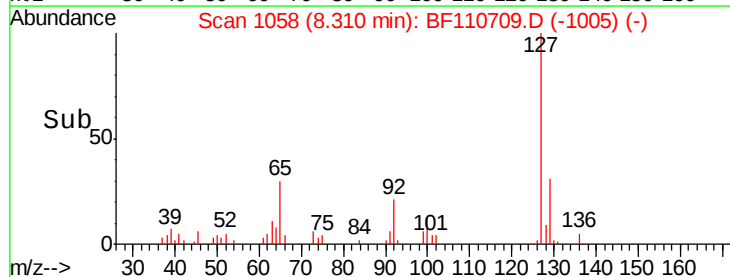
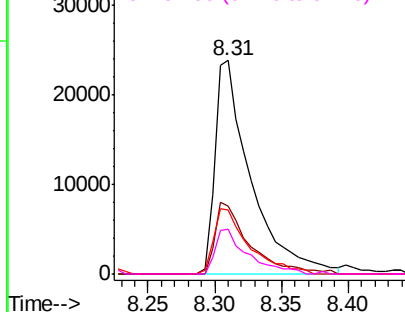


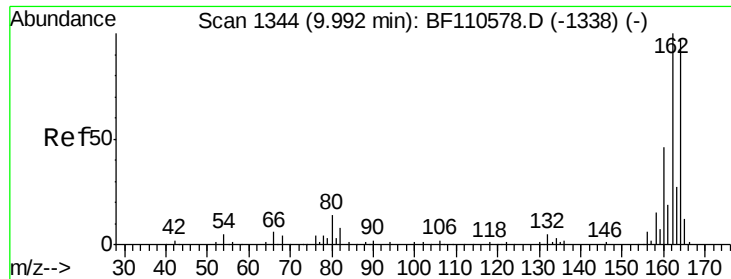
#33
4-Chloroaniline
Concen: 6.131 ng
RT: 8.31 min Scan# 1058
Delta R.T. 0.01 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

Tgt Ion: 127 Resp: 44730
Ion Ratio Lower Upper
127 100
129 31.5 26.0 39.0
65 30.3 25.1 37.7
92 21.0 15.0 22.6



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110709.D

Acq: 13 Nov 2018 8:06

Instrument :

BNA_F

ClientSampleId :

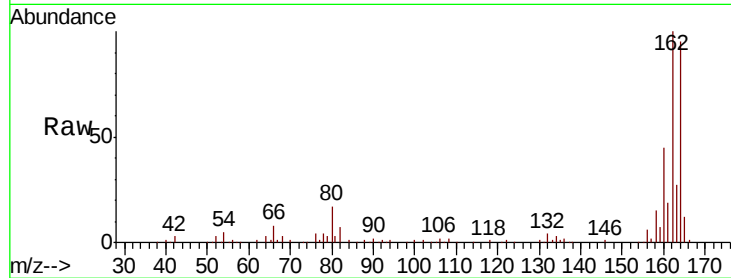
Tot Ion:164 Resp: 147852

Ion Ratio Lower Upper

164 100

162 105.3 83.0 124.6

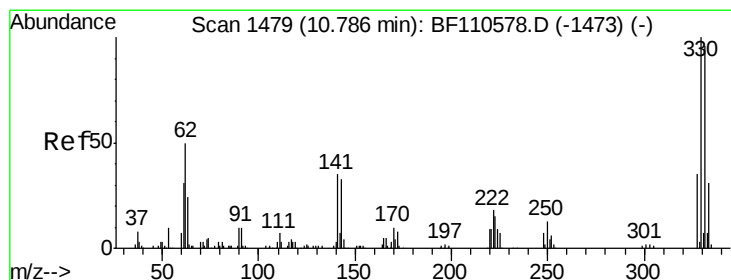
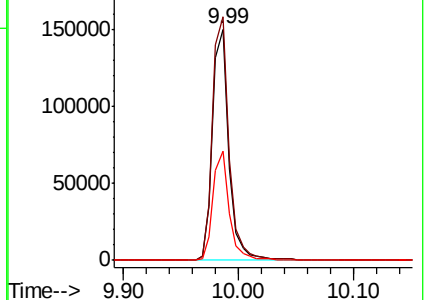
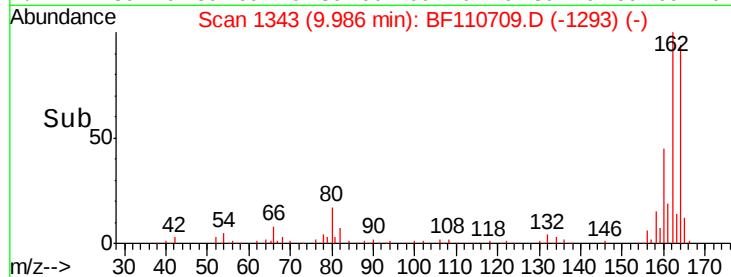
160 47.4 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 74.116 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110709.D

Acq: 13 Nov 2018 8:06

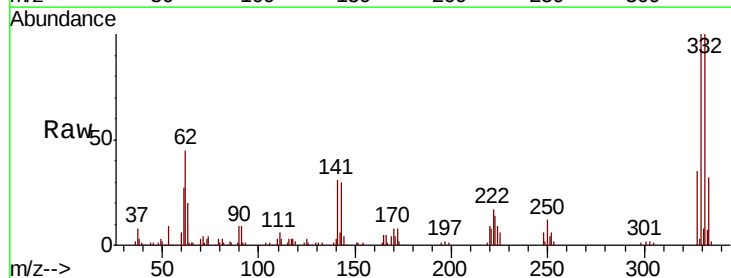
Tgt Ion:330 Resp: 110417

Ion Ratio Lower Upper

330 100

332 98.5 77.1 115.7

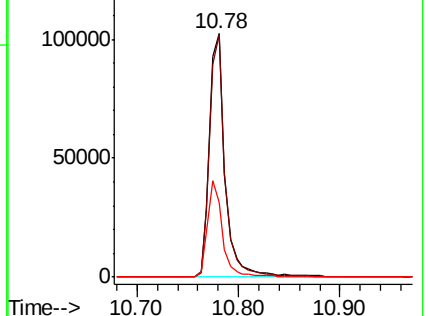
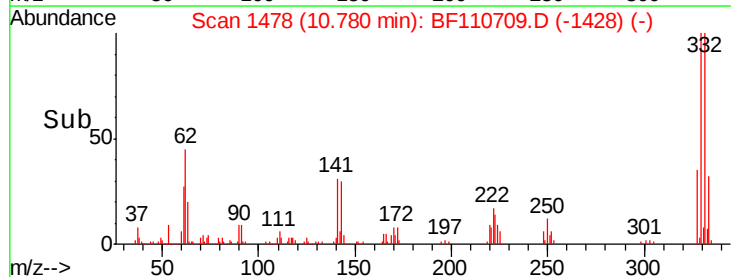
141 37.8 27.0 40.4

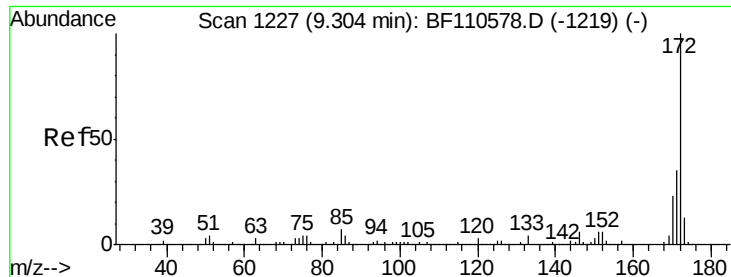


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

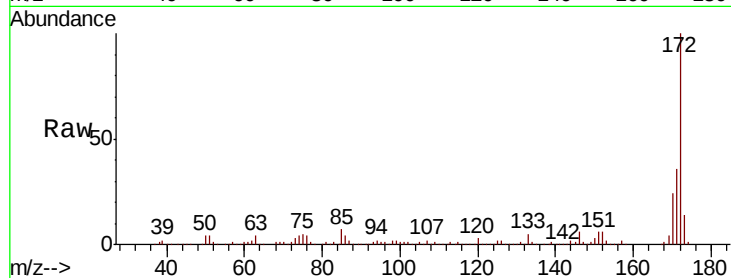




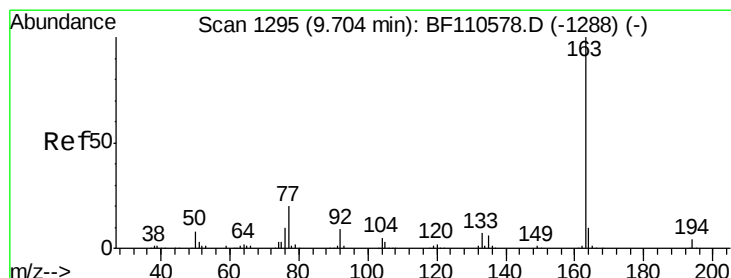
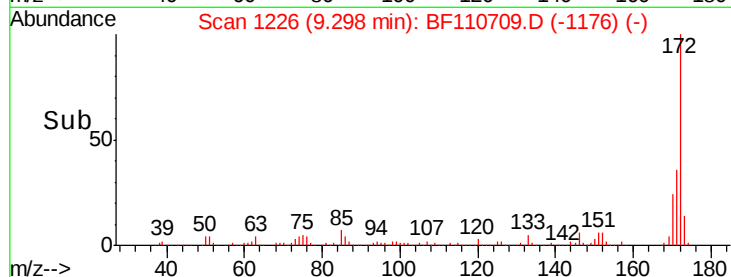
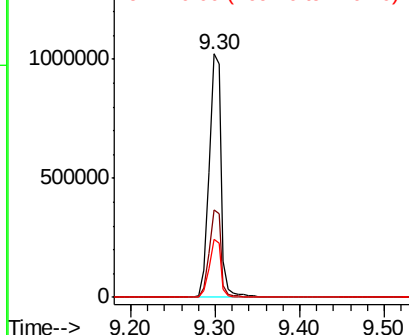
#45
2-Fluorobiphenyl
Concen: 99.590 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1031003
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.9 19.7 29.5

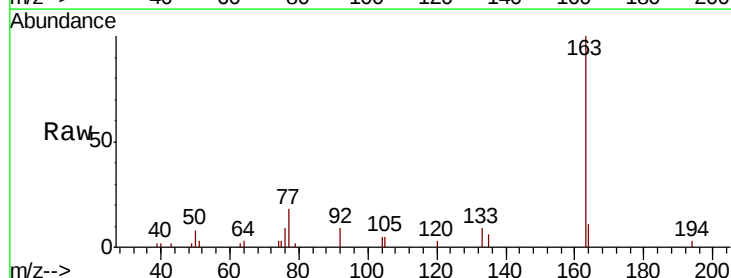


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

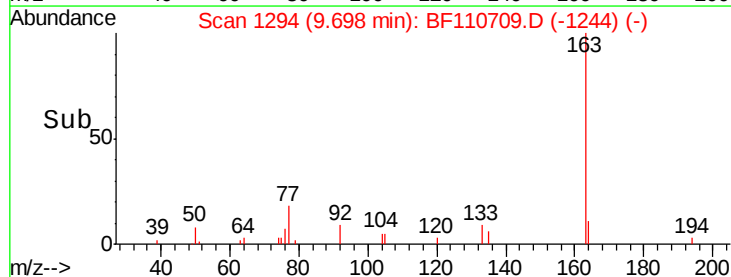
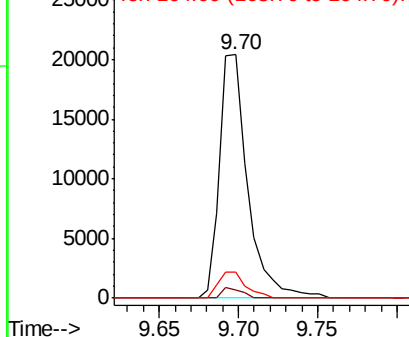


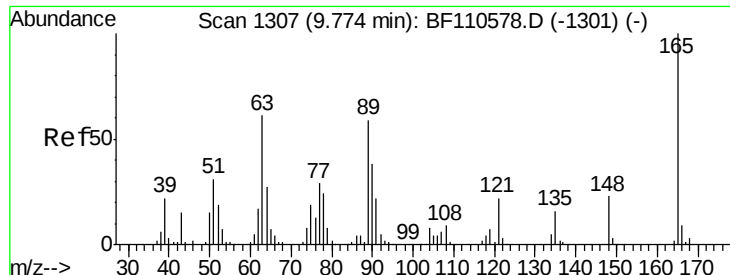
#50
Dimethylphthalate
Concen: 2.287 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

Tgt Ion:163 Resp: 25233
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 10.7 8.1 12.1



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

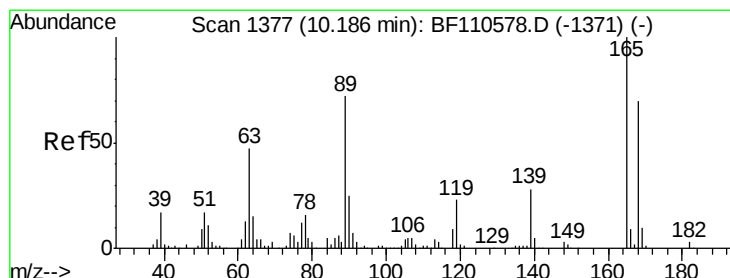
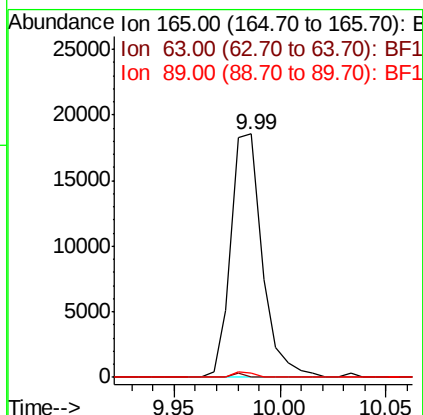
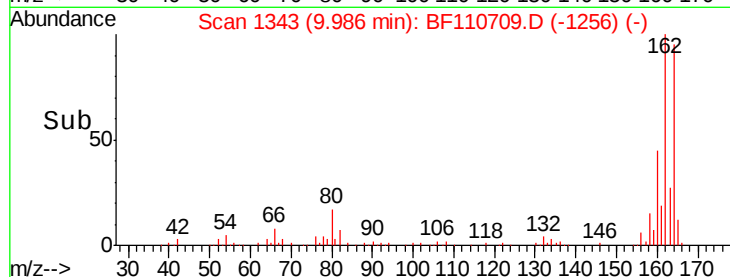
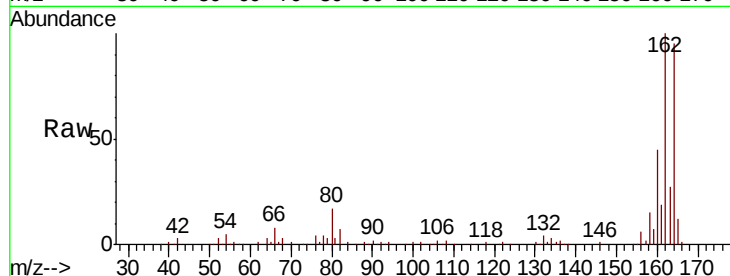




#51
2,6-Dinitrotoluene
Concen: 7.840 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.21 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

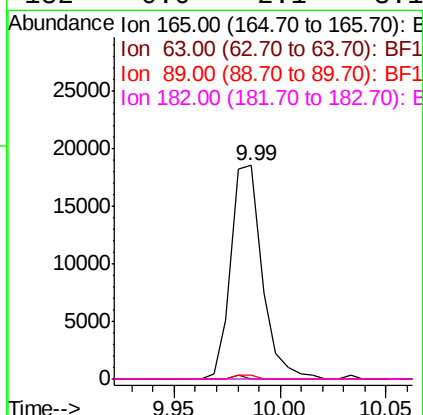
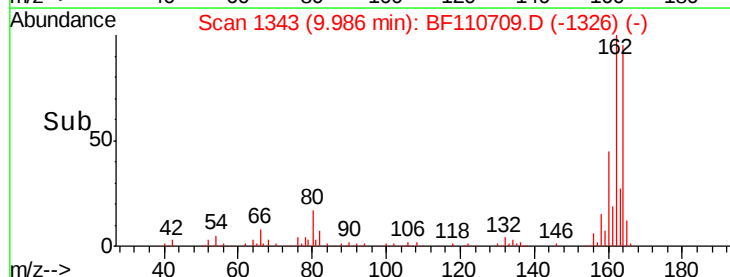
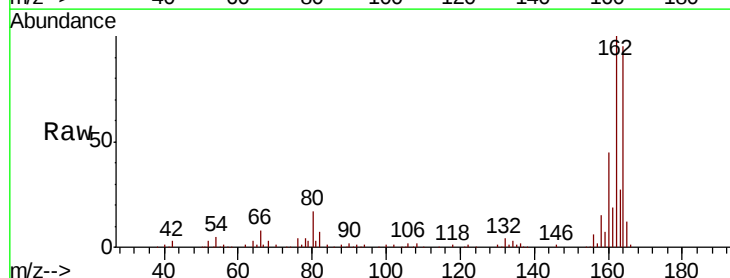
Instrument :
BNA_F
ClientSampleId :

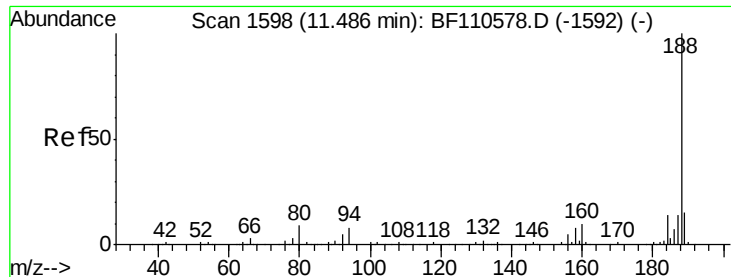
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	1.9	46.6	69.8#



#57
2,4-Dinitrotoluene
Concen: 6.030 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.20 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.9	62.2	93.4#
182	0.0	2.1	3.1#

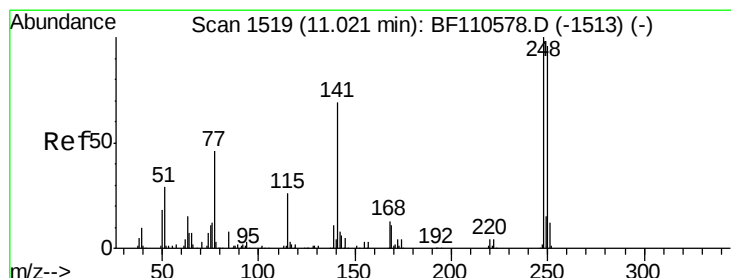
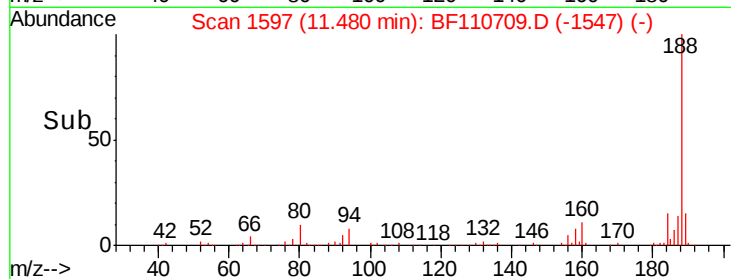
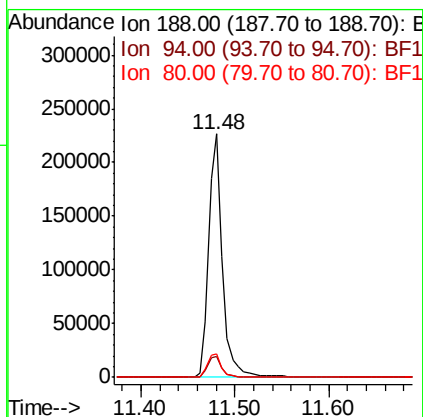
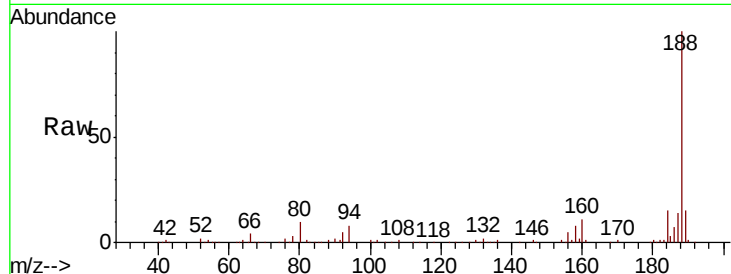




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110709.D
 Acq: 13 Nov 2018 8:06

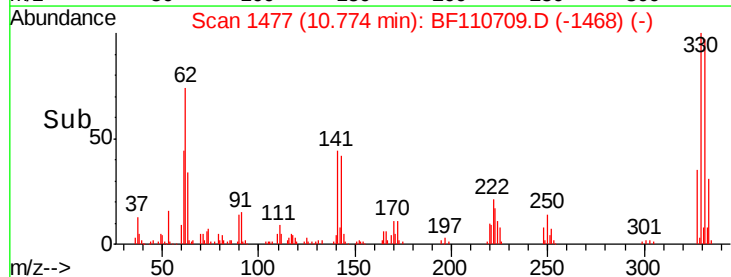
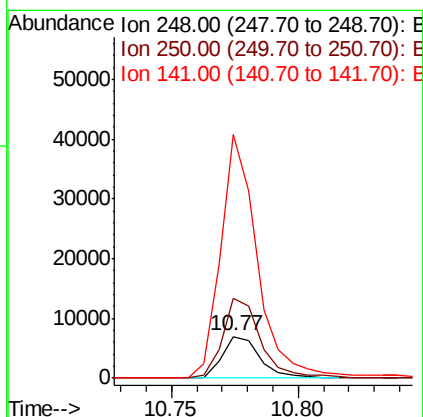
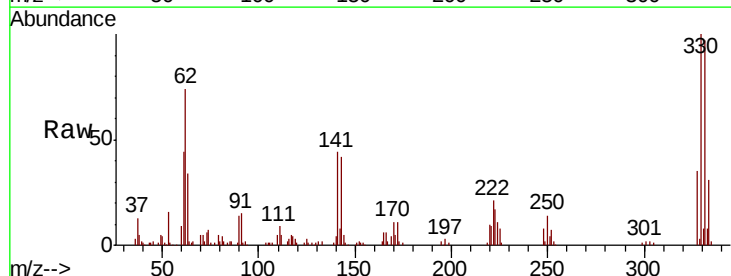
Instrument :
 BNA_F
 ClientSampleId :

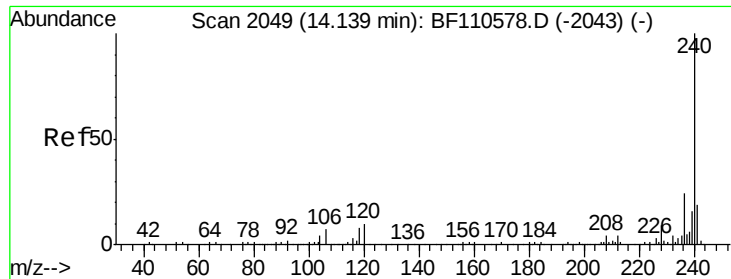
Tot Ion:188 Resp: 234410
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.2 10.8
 80 9.5 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 2.783 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110709.D
 Acq: 13 Nov 2018 8:06

Tgt Ion:248 Resp: 7209
 Ion Ratio Lower Upper
 248 100
 250 190.0 79.4 119.2#
 141 582.2 55.9 83.9#

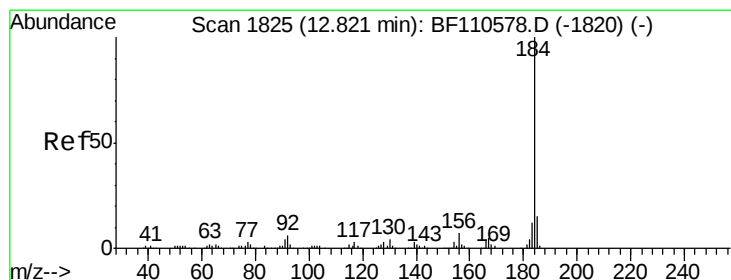
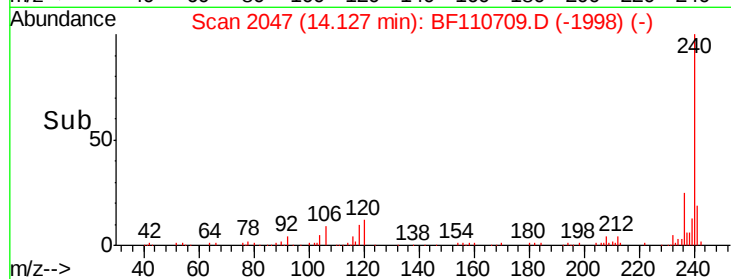
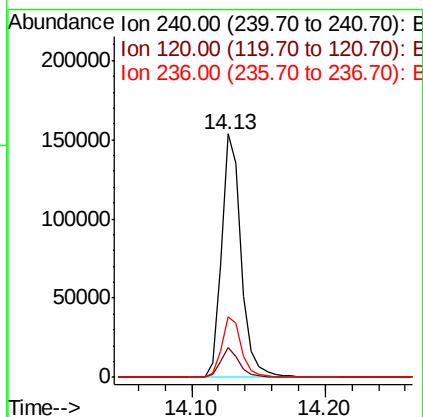
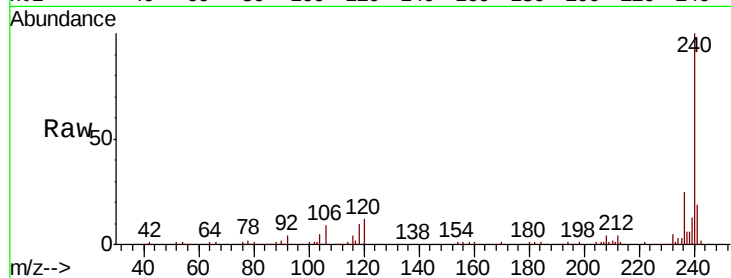




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

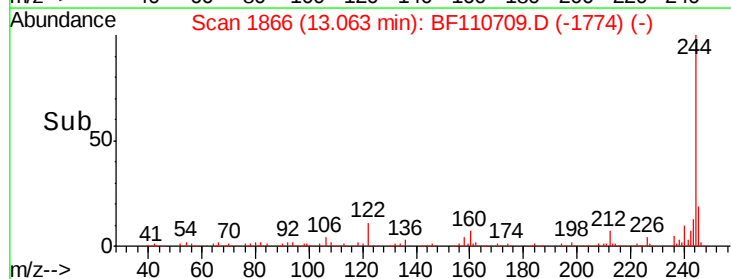
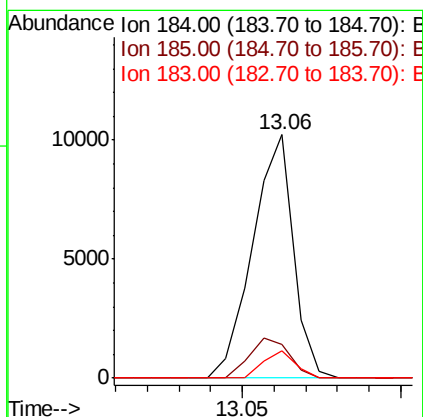
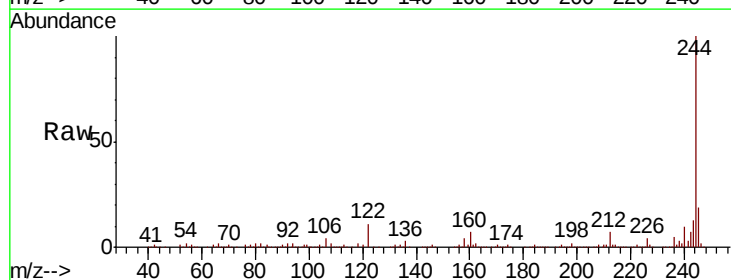
Instrument :
BNA_F
ClientSampleId :

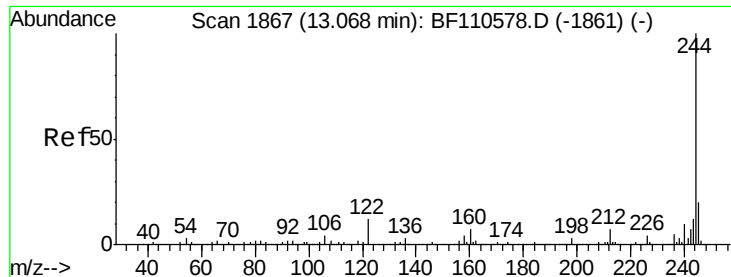
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.3	12.5
236	24.8	21.2	31.8



#77
Benzidine
Concen: 2.077 ng
RT: 13.06 min Scan# 1866
Delta R.T. 0.24 min
Lab File: BF110709.D
Acq: 13 Nov 2018 8:06

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.6	13.4	20.2
183	11.3	9.4	14.2





#79

Terphenyl-d14

Concen: 78.566 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110709.D

Acq: 13 Nov 2018 8:06

Instrument :

BNA_F

ClientSampleId :

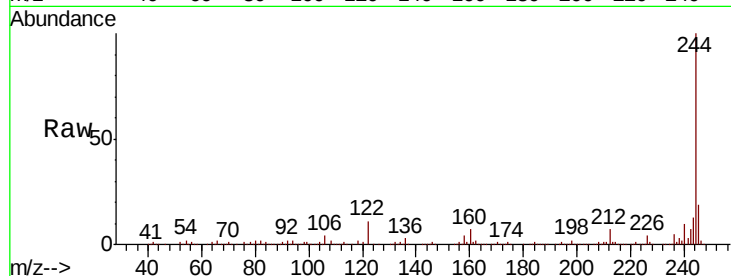
Tot Ion:244 Resp: 670611

Ion Ratio Lower Upper

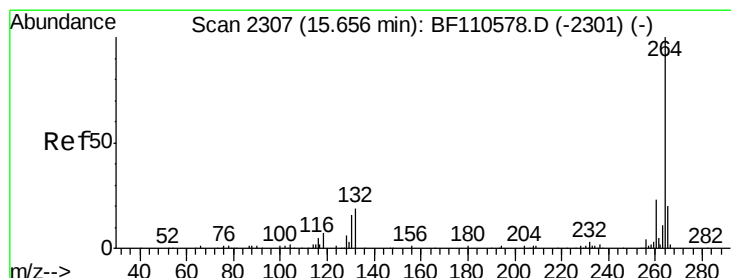
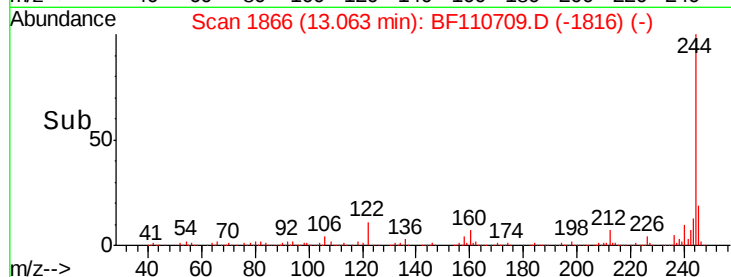
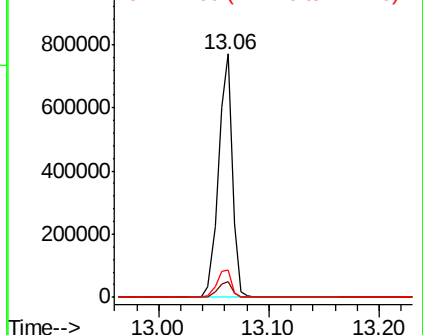
244 100

212 6.6 5.8 8.8

122 11.1 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110709.D

Acq: 13 Nov 2018 8:06

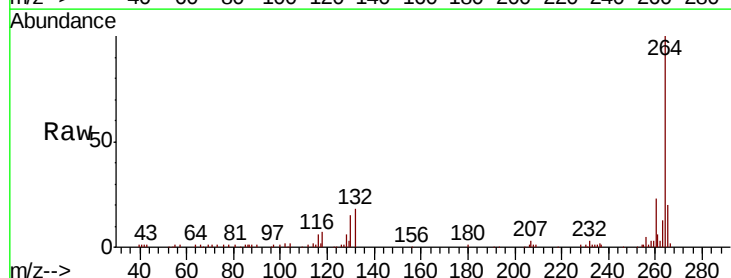
Tgt Ion:264 Resp: 122248

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 20.4 16.7 25.1



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

