

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
 Data File : BG038671.D
 Acq On : 17 Dec 2018 20:21
 Operator : JU/SJ
 Sample : J6347-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD001-0612-01

Quant Time: Dec 18 02:57:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20608	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	85811	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	57786	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	150904	20.00	ng	0.00
76) Chrysene-d12	21.72	240	149094	20.00	ng	0.00
87) Perylene-d12	25.02	264	163461	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	175946	151.43	ng	0.00
7) Phenol-d6	7.21	99	236975	148.57	ng	0.00
23) Nitrobenzene-d5	9.24	82	155965	92.85	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	117309	147.30	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	348965	82.84	ng	0.00
79) Terphenyl-d14	20.04	244	571244	83.38	ng	0.00

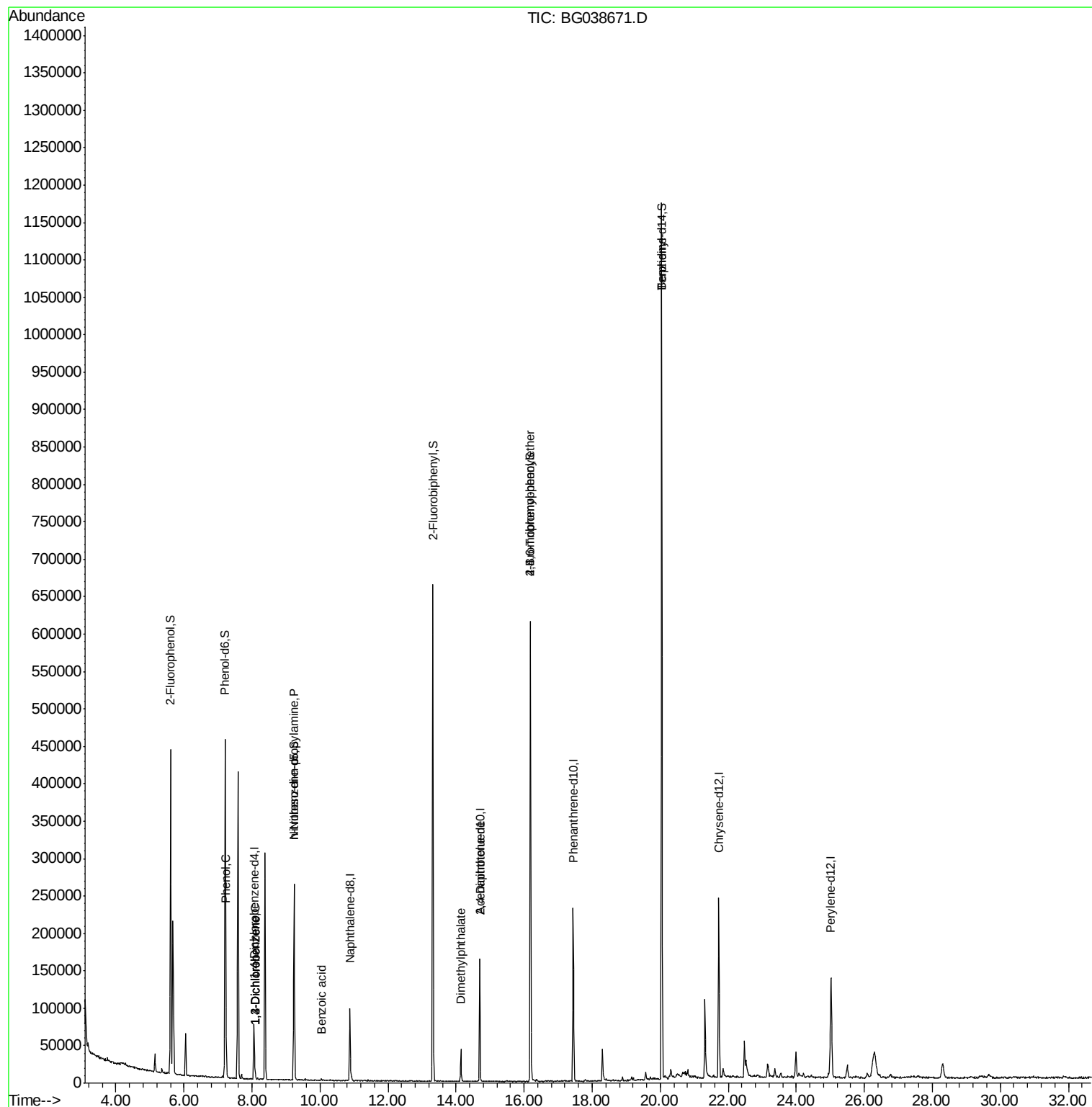
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.23	94	14196	8.377	ng	90
12) 1,3-Dichlorobenzene	8.09	146	3854	2.424	ng	94
13) 1,4-Dichlorobenzene	8.09	146	3854	2.367	ng	91
14) 1,2-Dichlorobenzene	8.09	146	3854	2.511	ng	94
19) n-Nitroso-di-n-propylamine	9.24	70	21275	18.991	ng	# 68
32) Benzoic acid	10.04	122	980	11.140	ng	# 1
50) Dimethylphthalate	14.14	163	30177	6.395	ng	97
57) 2,4-Dinitrotoluene	14.69	165	7361	4.887	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	7592	4.119	ng	# 1
77) Benzidine	20.04	184	10460	2.372	ng	# 96

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

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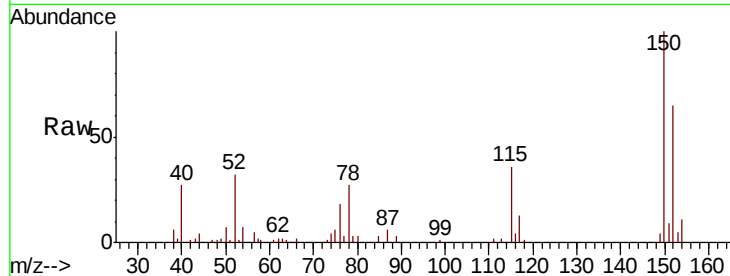




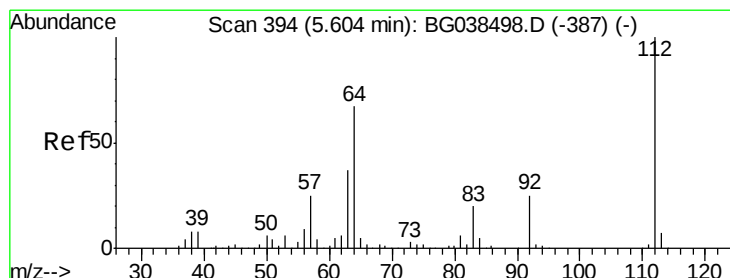
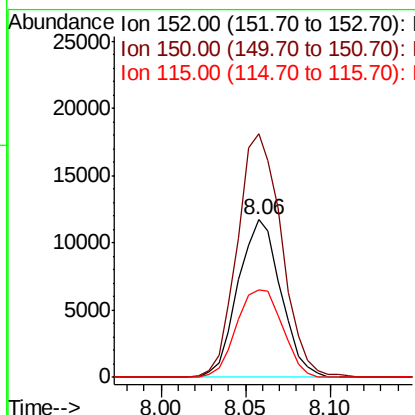
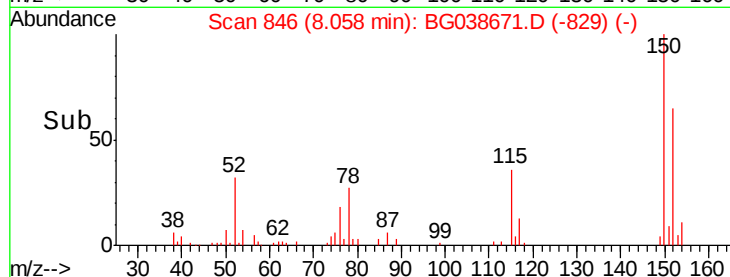
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038671.D
 Acq: 17 Dec 2018 20:21

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD001-0612-01

Tgt Ion:152 Resp: 20608
 Ion Ratio Lower Upper
 152 100
 150 154.6 119.5 179.3
 115 55.5 49.6 74.4

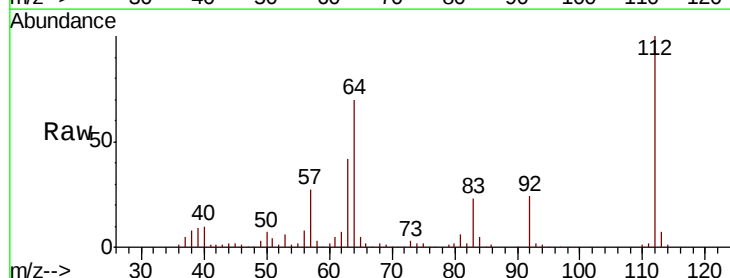


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

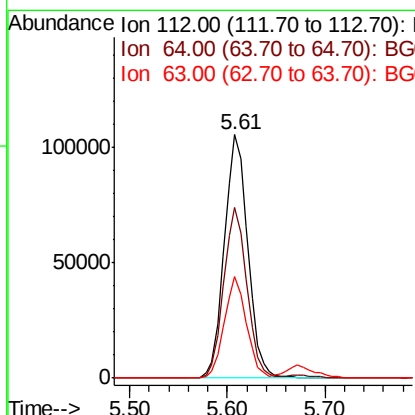
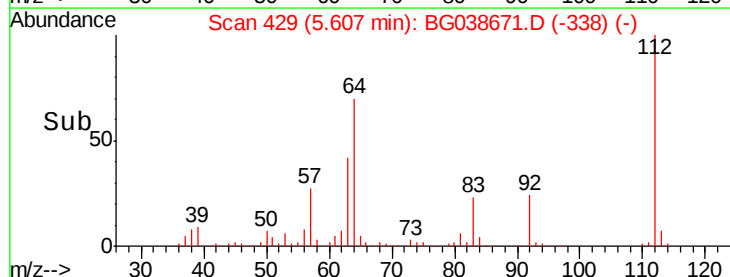


#5
 2-Fluorophenol
 Concen: 151.430 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: BG038671.D
 Acq: 17 Dec 2018 20:21

Tgt Ion:112 Resp: 175946
 Ion Ratio Lower Upper
 112 100
 64 69.8 53.4 80.2
 63 41.9 29.3 43.9



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





#7

Phenol-d6

Concen: 148.568 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0612-01

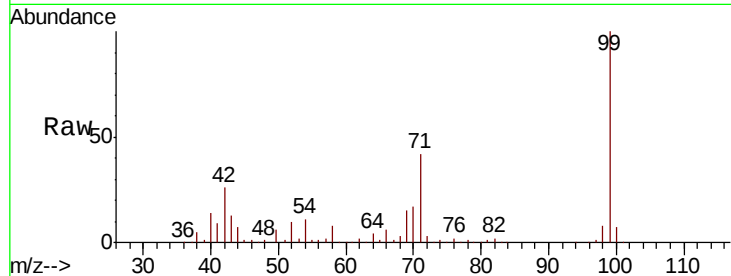
Tgt Ion: 99 Resp: 236975

Ion Ratio Lower Upper

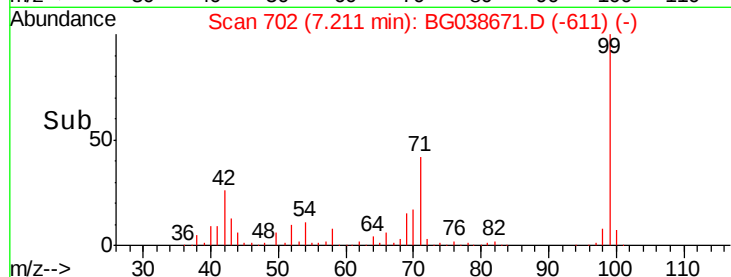
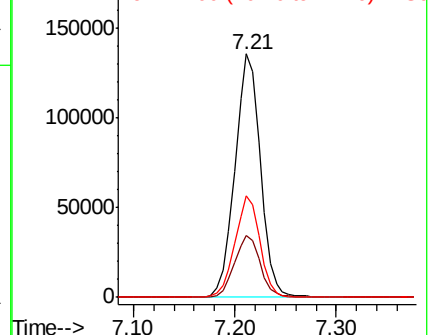
99 100

42 25.5 18.5 27.7

71 41.8 31.1 46.7



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



#10

Phenol

Concen: 8.377 ng

RT: 7.23 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

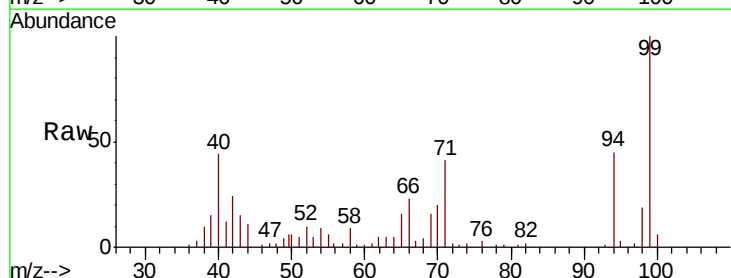
Tgt Ion: 94 Resp: 14196

Ion Ratio Lower Upper

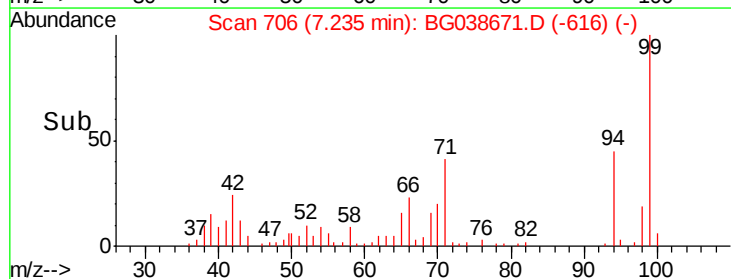
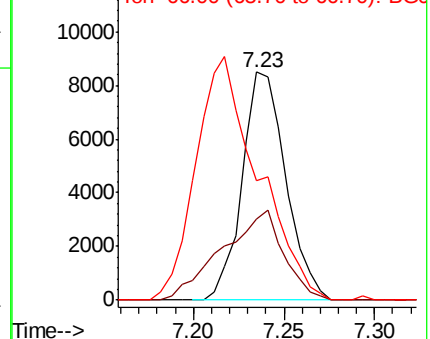
94 100

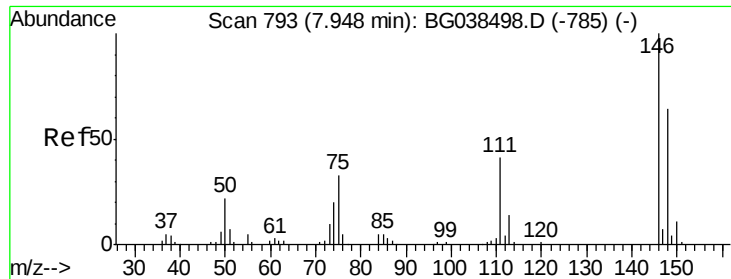
65 35.7 12.6 52.6

66 52.2 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

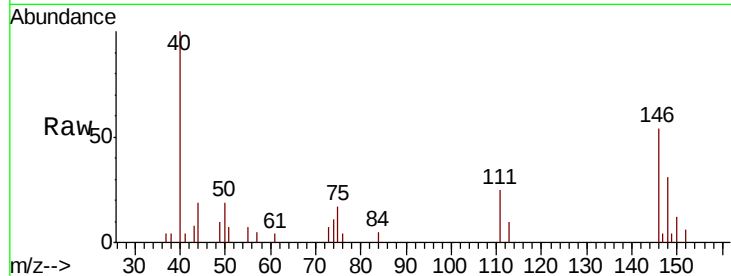




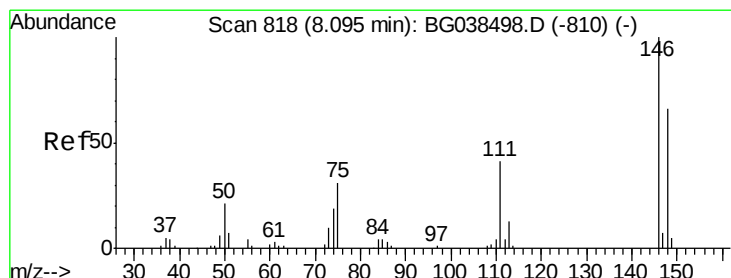
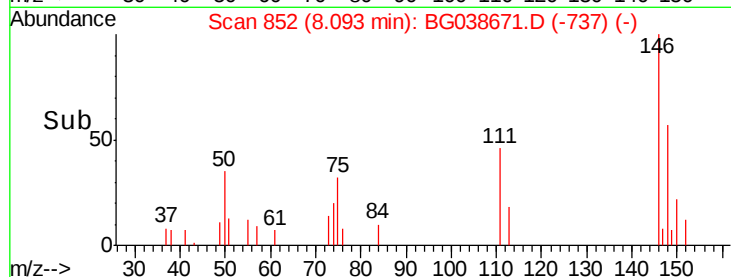
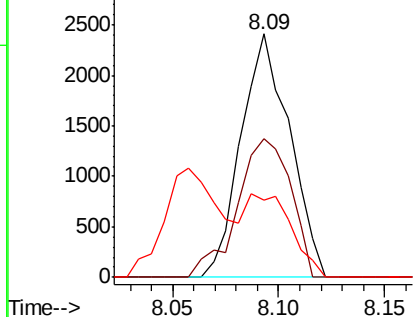
#12
 1,3-Dichlorobenzene
 Concen: 2.424 ng
 RT: 8.09 min Scan# 852
 Delta R.T. 0.14 min
 Lab File: BG038671.D
 Acq: 17 Dec 2018 20:21

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD001-0612-01

Tgt Ion:146 Resp: 3854
 Ion Ratio Lower Upper
 146 100
 148 57.1 51.4 77.0
 75 31.9 26.1 39.1

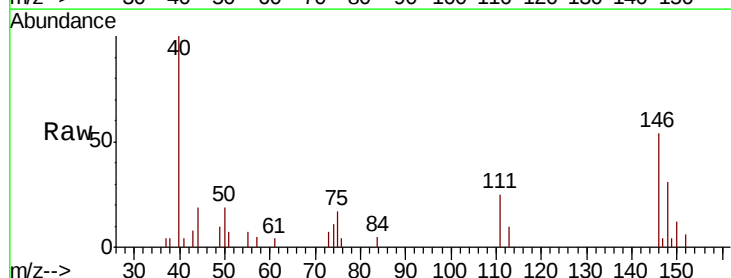


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BGC

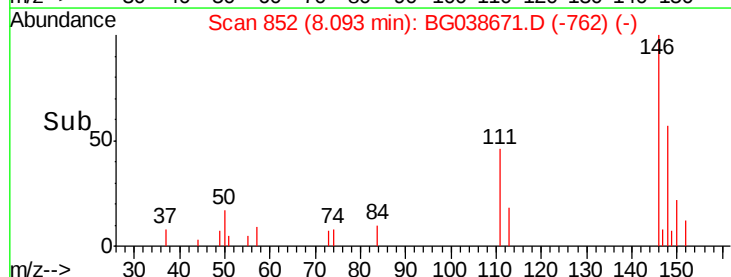
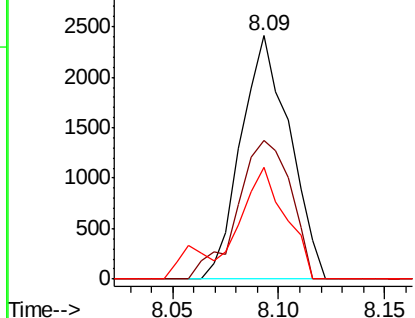


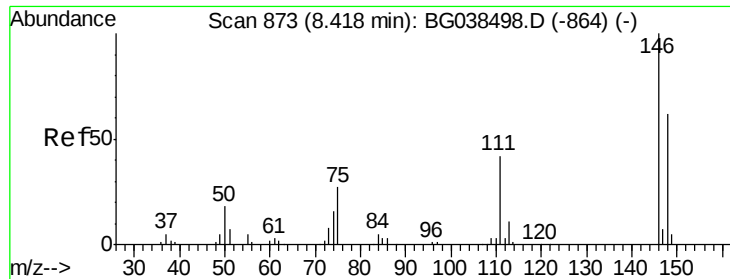
#13
 1,4-Dichlorobenzene
 Concen: 2.367 ng
 RT: 8.09 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: BG038671.D
 Acq: 17 Dec 2018 20:21

Tgt Ion:146 Resp: 3854
 Ion Ratio Lower Upper
 146 100
 148 57.1 52.4 78.6
 111 45.9 33.0 49.4



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

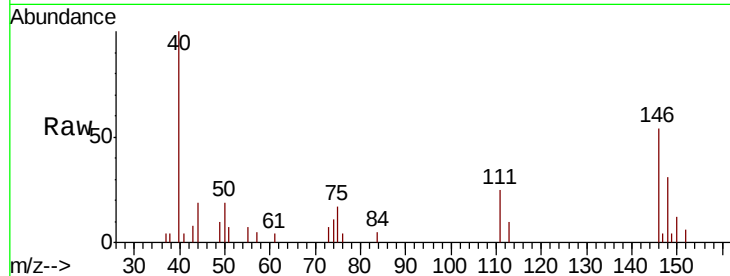




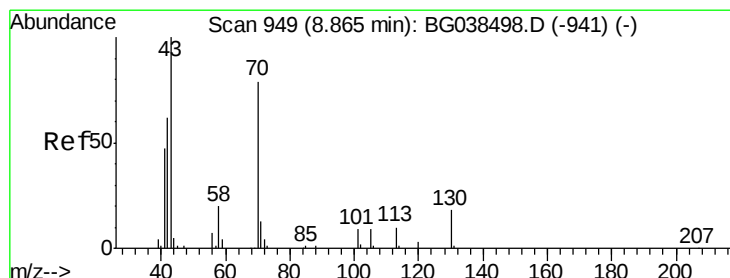
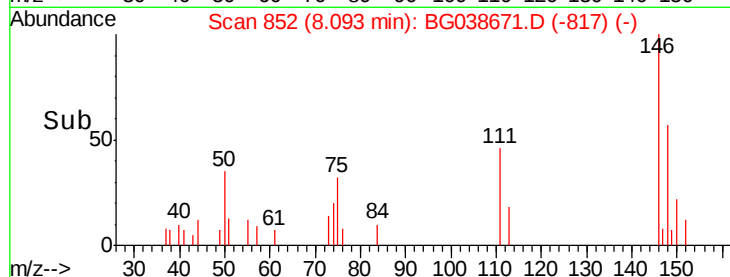
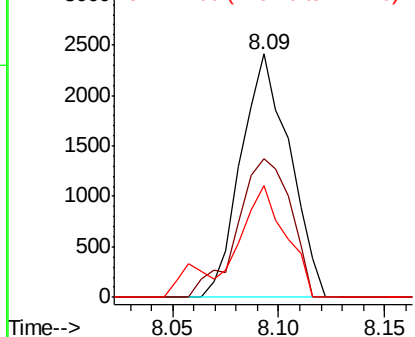
#14
 1,2-Dichlorobenzene
 Concen: 2.511 ng
 RT: 8.09 min Scan# 852
 Delta R.T. -0.33 min
 Lab File: BG038671.D
 Acq: 17 Dec 2018 20:21

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD001-0612-01

Tgt Ion: 146 Resp: 3854
 Ion Ratio Lower Upper
 146 100
 148 57.1 49.4 74.0
 111 45.9 33.8 50.6

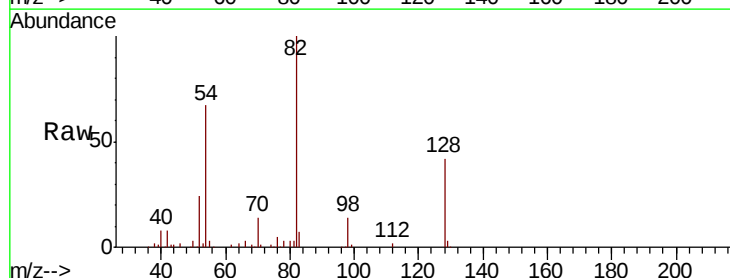


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

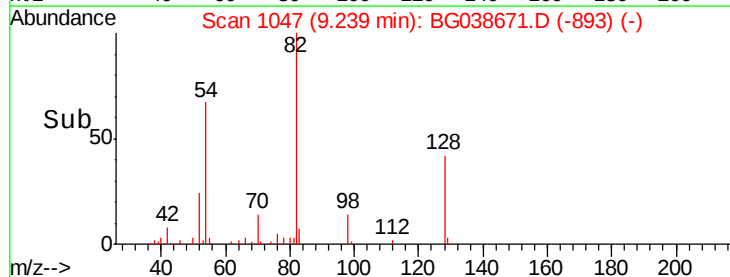
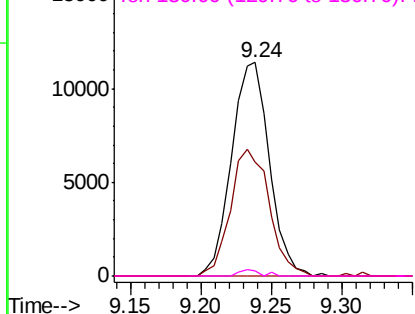


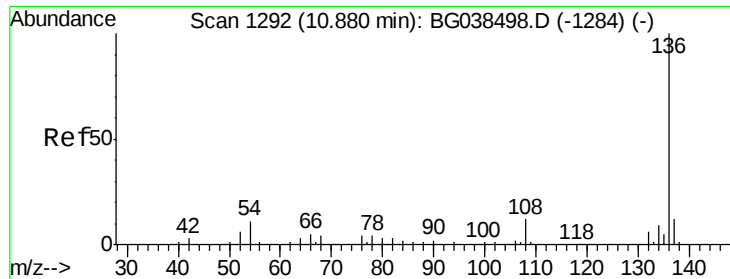
#19
 n-Nitroso-di-n-propylamine
 Concen: 18.991 ng
 RT: 9.24 min Scan# 1047
 Delta R.T. 0.37 min
 Lab File: BG038671.D
 Acq: 17 Dec 2018 20:21

Tgt Ion: 70 Resp: 21275
 Ion Ratio Lower Upper
 70 100
 42 53.4 63.6 95.4#
 101 0.0 9.2 13.8#
 130 2.2 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BGC
 Ion 42.00 (41.70 to 42.70): BGC
 Ion 101.00 (100.70 to 101.70): BGC
 Ion 130.00 (129.70 to 130.70): BGC

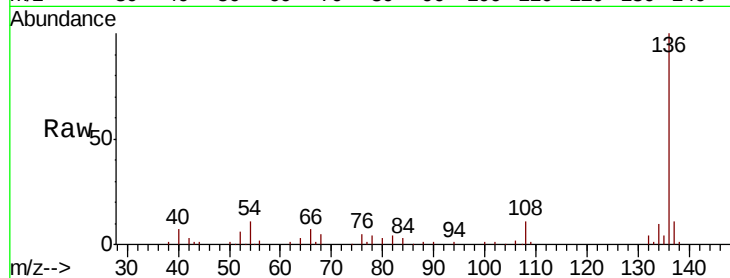




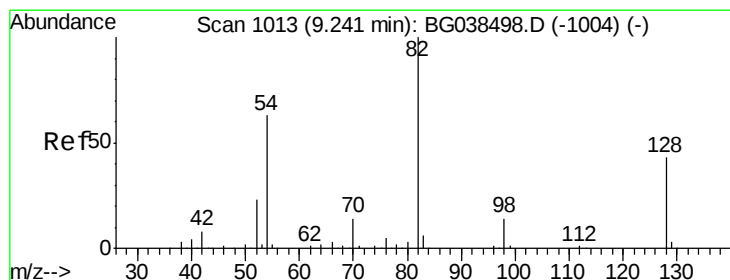
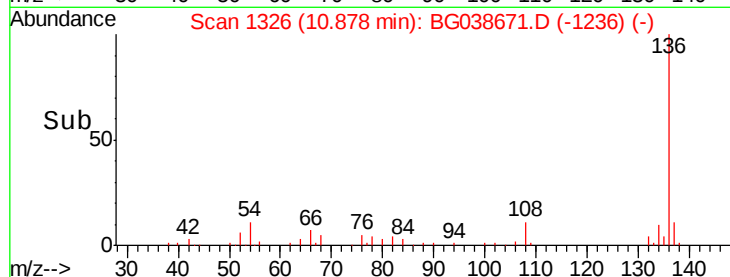
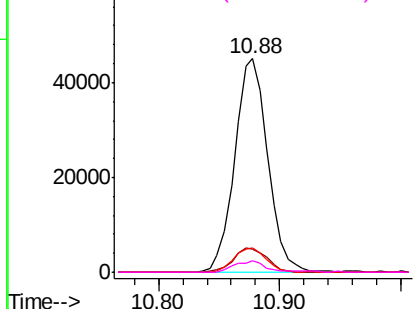
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038671.D
Acq: 17 Dec 2018 20:21

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P001-SD001-0612-01

Tgt Ion:	136	Resp:	85811
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	11.5	8.5	12.7
68	5.2	3.5	5.3

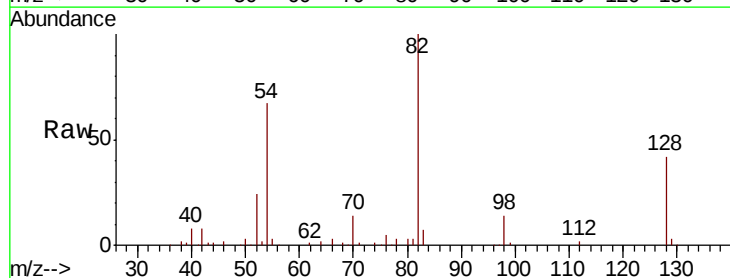


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

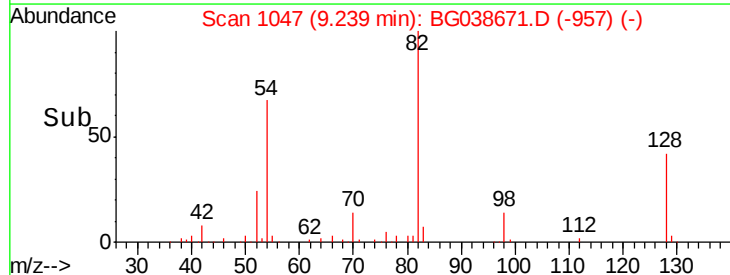
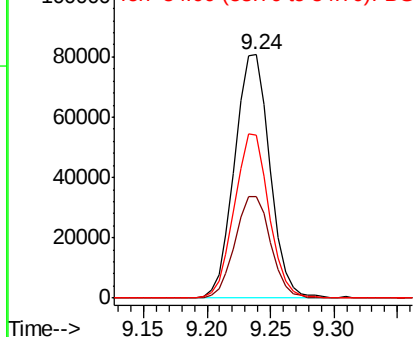


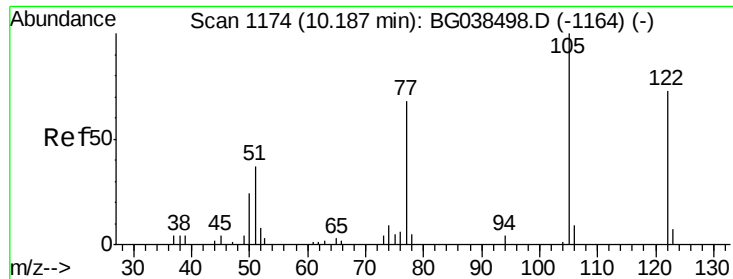
#23
Nitrobenzene-d5
Concen: 92.853 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038671.D
Acq: 17 Dec 2018 20:21

Tgt Ion:	82	Resp:	155965
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.6	52.0
54	67.0	50.6	76.0



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





#32

Benzoic acid

Concen: 11.140 ng

RT: 10.04 min Scan# 1184

Delta R.T. -0.14 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0612-01

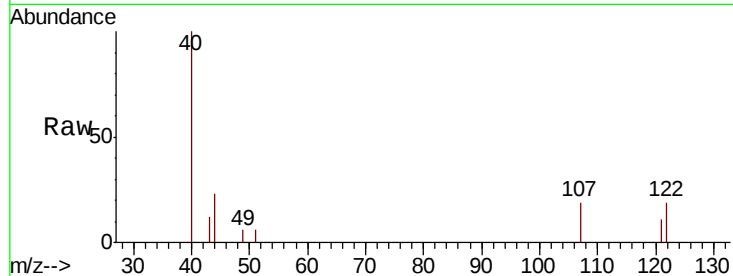
Tgt Ion:122 Resp: 980

Ion Ratio Lower Upper

122 100

105 0.0 116.7 156.7#

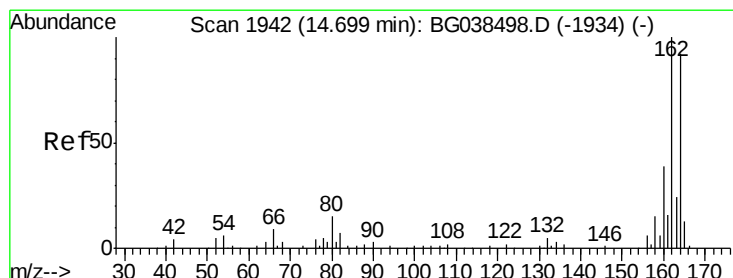
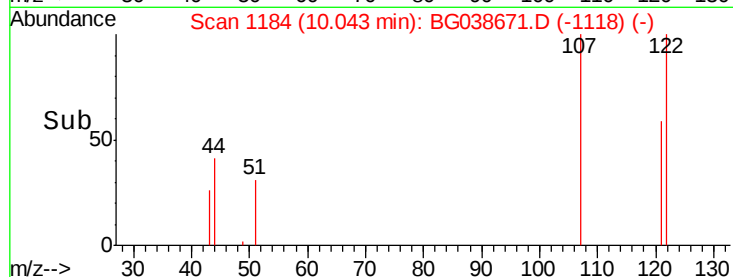
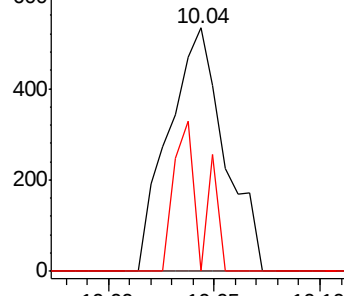
77 0.0 72.5 112.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

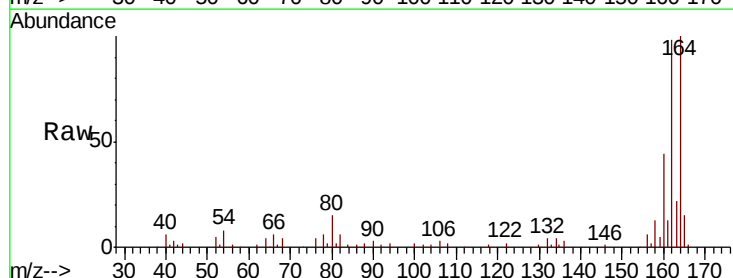
Tgt Ion:164 Resp: 57786

Ion Ratio Lower Upper

164 100

162 98.4 86.6 130.0

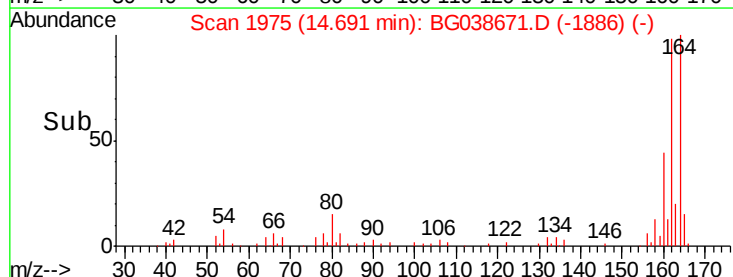
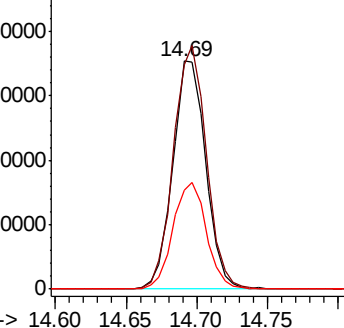
160 43.6 34.2 51.2

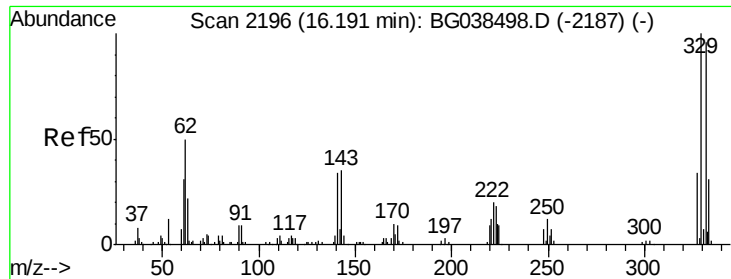


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 147.300 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0612-01

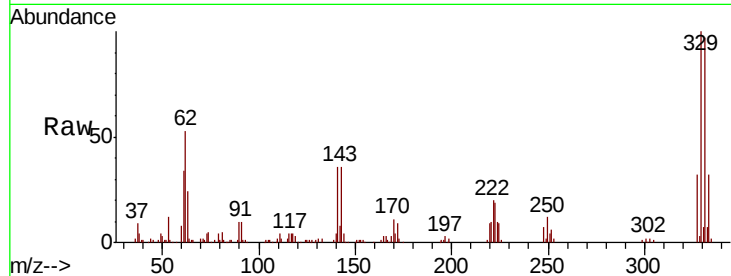
Tgt Ion:330 Resp: 117309

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

141 37.5 28.8 43.2

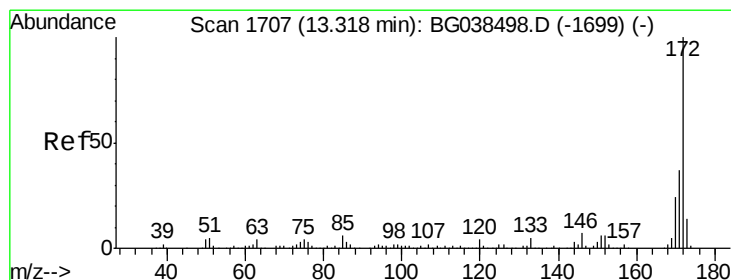
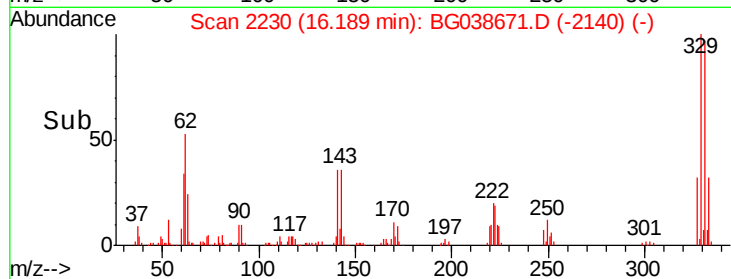
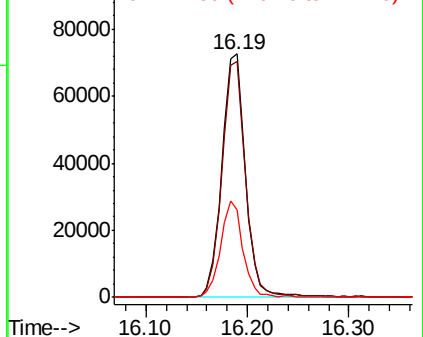


Abundance

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: 82.845 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

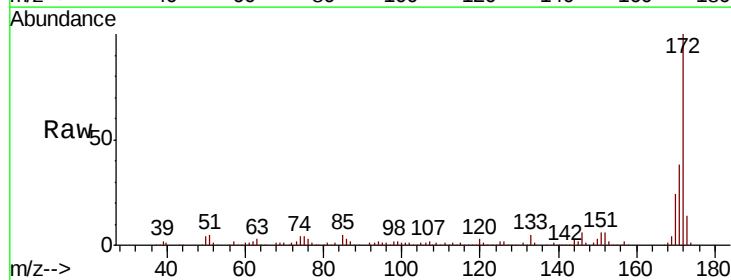
Tgt Ion:172 Resp: 348965

Ion Ratio Lower Upper

172 100

171 37.6 29.8 44.6

170 24.3 19.5 29.3

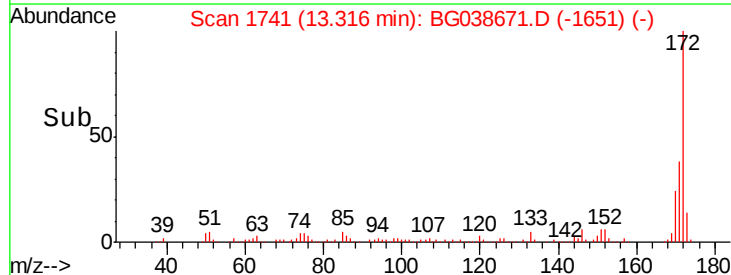
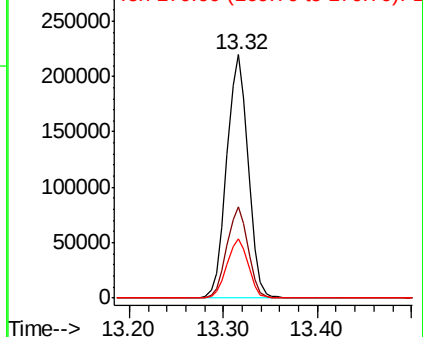


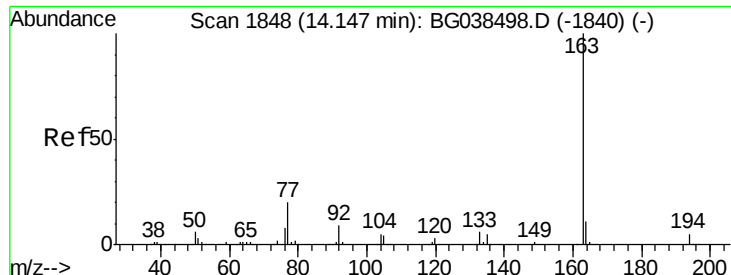
Abundance

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: 6.395 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0612-01

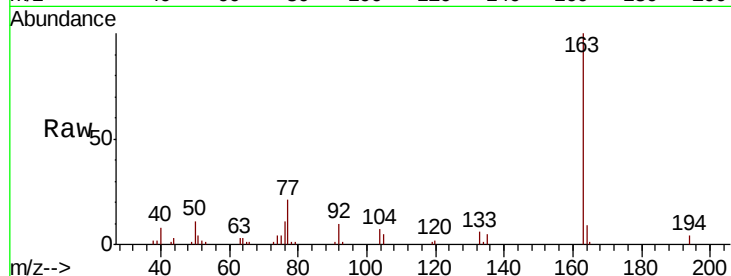
Tgt Ion:163 Resp: 30177

Ion Ratio Lower Upper

163 100

194 4.2 3.7 5.5

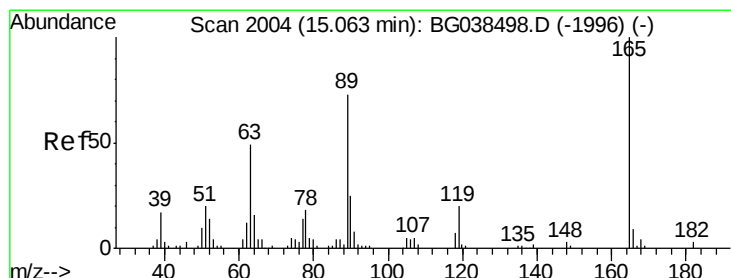
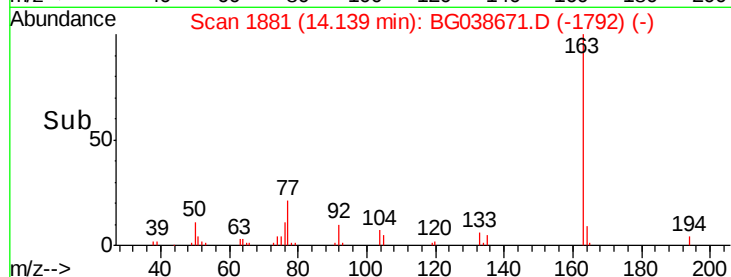
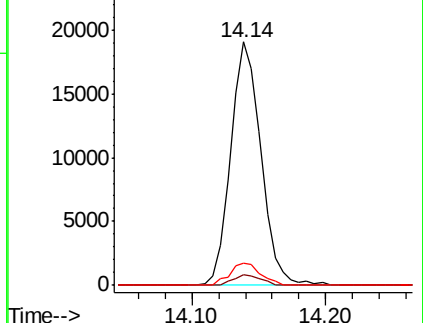
164 9.3 8.6 12.8



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



#57

2,4-Dinitrotoluene

Concen: 4.887 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.37 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

Tgt Ion:165 Resp: 7361

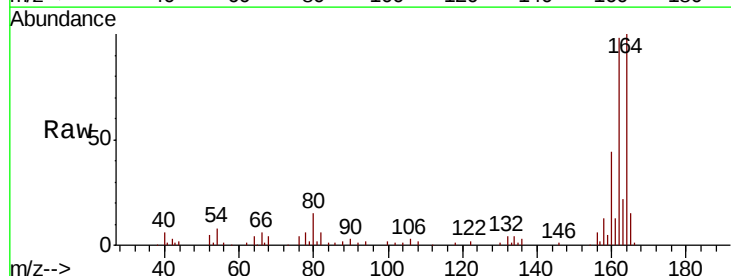
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

182 0.0 2.3 3.5#

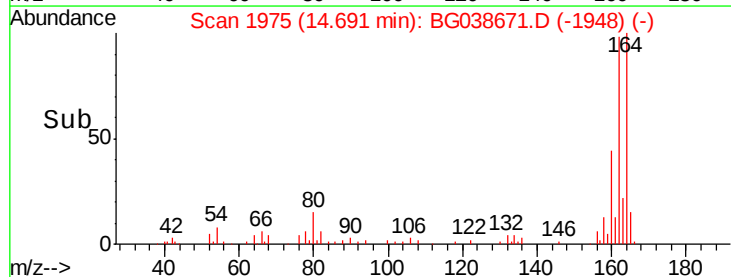
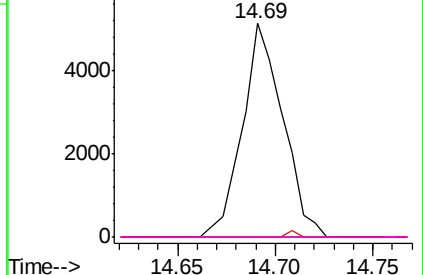


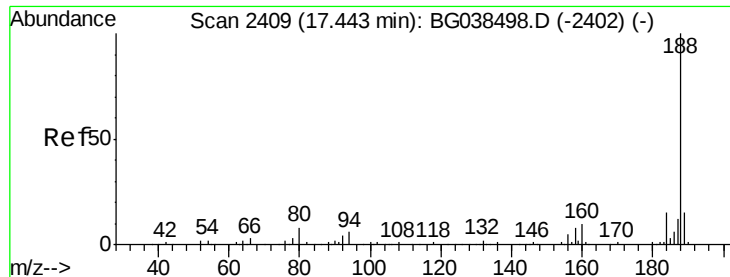
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

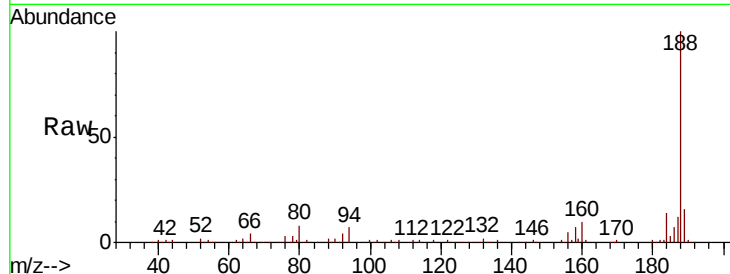




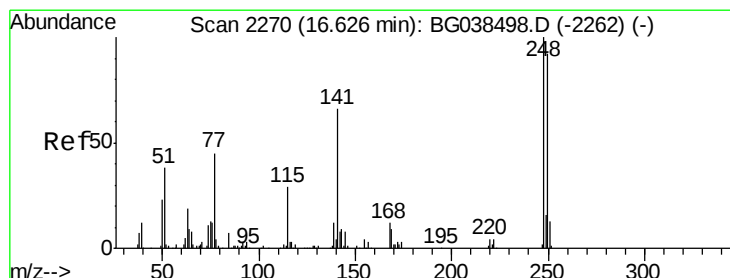
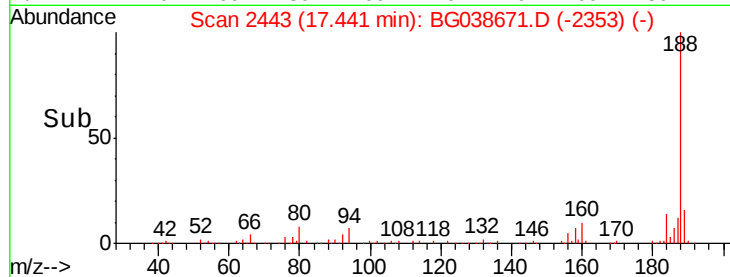
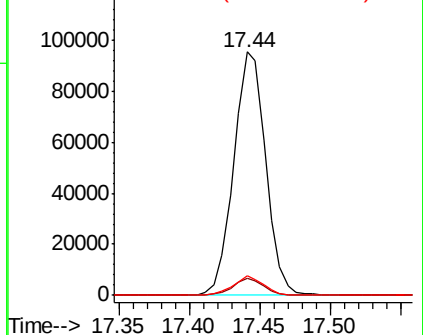
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038671.D
Acq: 17 Dec 2018 20:21

Instrument :
BNA_G
ClientSampleId :
P001-SD001-0612-01

Tgt Ion:188 Resp: 150904
Ion Ratio Lower Upper
188 100
94 7.2 5.1 7.7
80 7.8 6.1 9.1

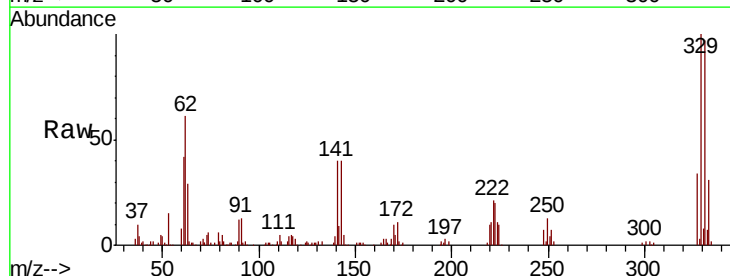


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

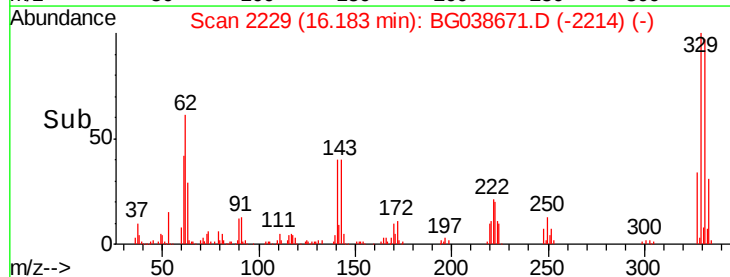
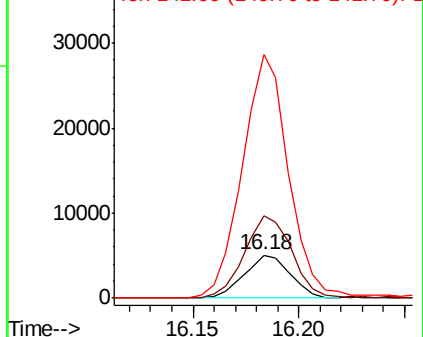


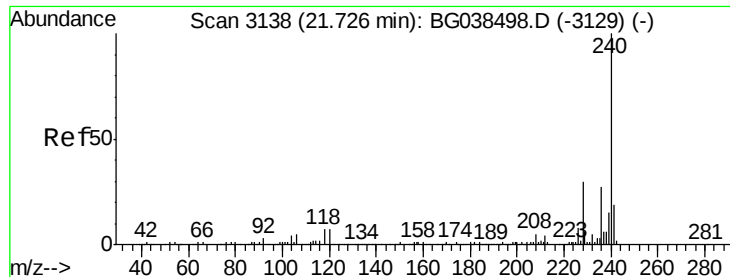
#67
4-Bromophenyl-phenylether
Concen: 4.119 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038671.D
Acq: 17 Dec 2018 20:21

Tgt Ion:248 Resp: 7592
Ion Ratio Lower Upper
248 100
250 199.3 73.4 110.2#
141 458.9 52.9 79.3#



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

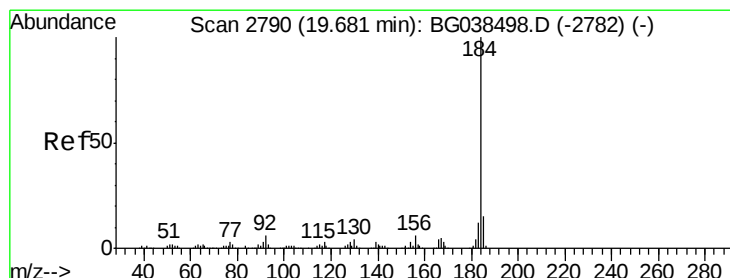
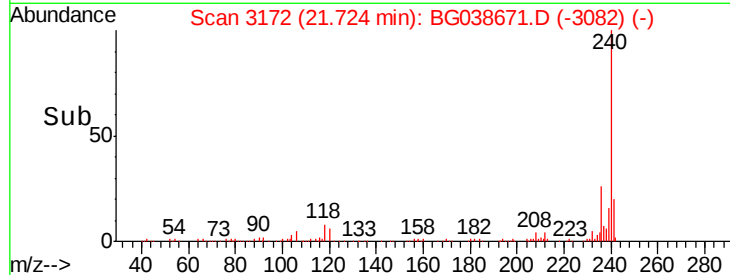
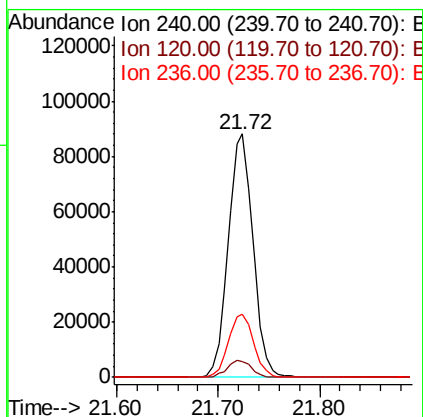
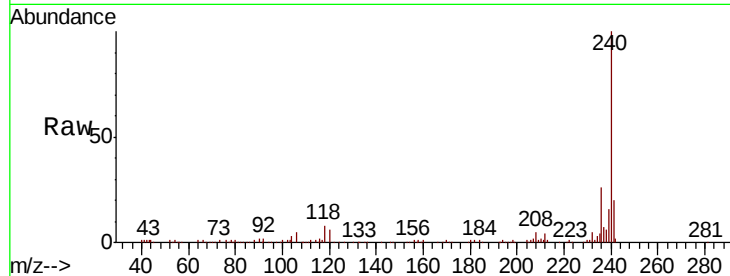




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3172
Delta R.T. -0.00 min
Lab File: BG038671.D
Acq: 17 Dec 2018 20:21

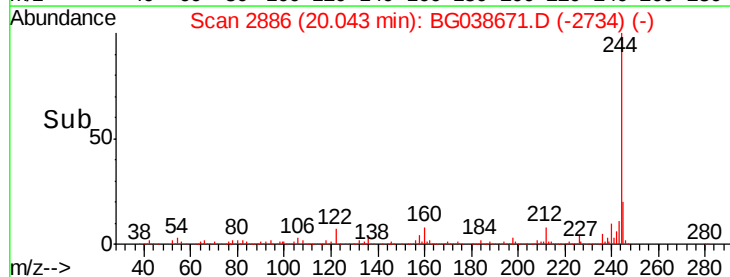
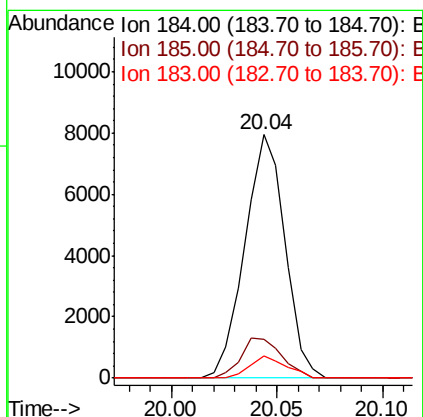
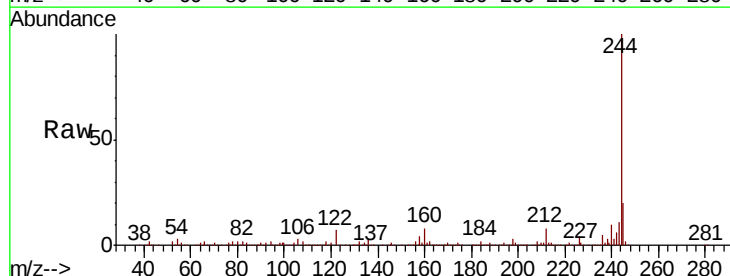
Instrument :
BNA_G
ClientSampleId :
P001-SD001-0612-01

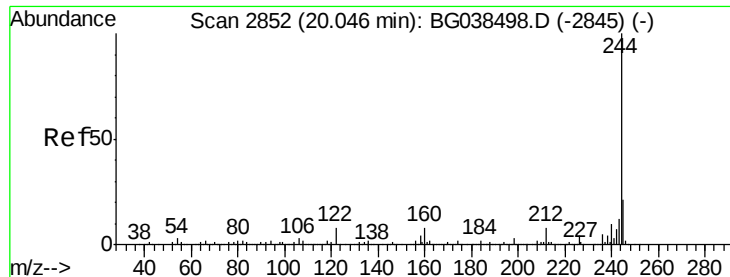
Tgt Ion:240 Resp: 149094
Ion Ratio Lower Upper
240 100
120 6.4 5.3 7.9
236 26.1 21.4 32.2



#77
Benzidine
Concen: 2.372 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038671.D
Acq: 17 Dec 2018 20:21

Tgt Ion:184 Resp: 10460
Ion Ratio Lower Upper
184 100
185 15.8 12.2 18.2
183 9.0 9.6 14.4#





#79

Terphenyl-d14

Concen: 83.385 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0612-01

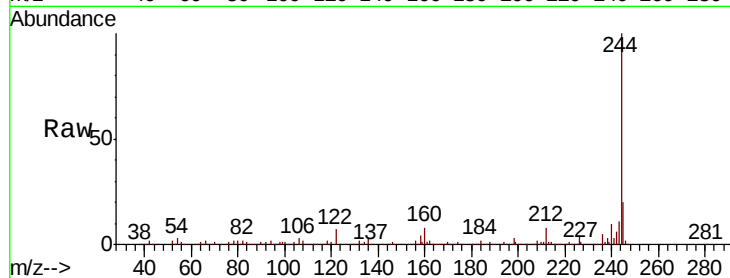
Tgt Ion:244 Resp: 571244

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

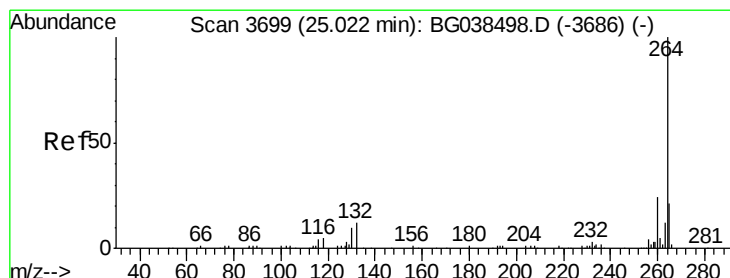
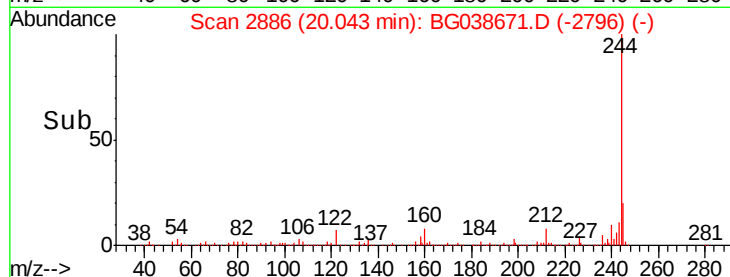
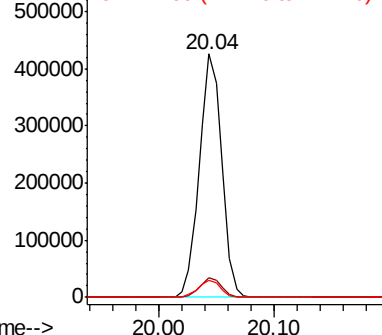
122 7.3 6.3 9.5



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: 25.02 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BG038671.D

Acq: 17 Dec 2018 20:21

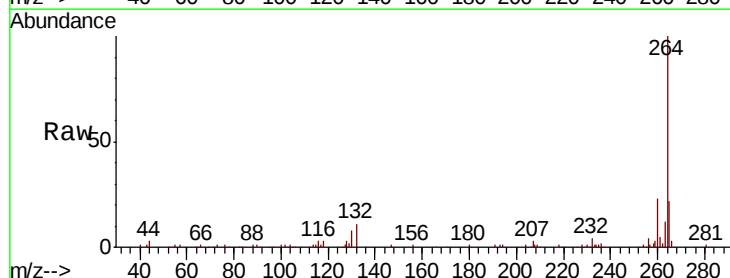
Tgt Ion:264 Resp: 163461

Ion Ratio Lower Upper

264 100

260 22.9 18.9 28.3

265 22.4 17.0 25.4



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

