

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061219\
 Data File : BG041218.D
 Acq On : 12 Jun 2019 22:40
 Operator : HP/JU
 Sample : K3299-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TI-658-X

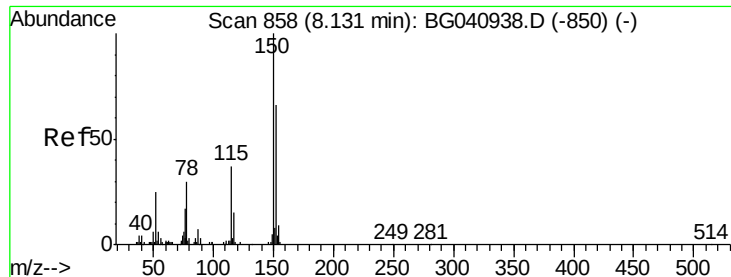
Quant Time: Jun 13 05:38:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	43011	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	170039	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	122402	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	307712	20.00	ng	0.00
76) Chrysene-d12	21.76	240	316338	20.00	ng	0.00
87) Perylene-d12	25.09	264	338308	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	80330	33.68	ng	0.00
7) Phenol-d6	7.25	99	67864	18.42	ng	0.00
23) Nitrobenzene-d5	9.28	82	295518	77.15	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	146274	80.50	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	638867	75.17	ng	0.00
79) Terphenyl-d14	20.08	244	1058998	71.05	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.25	77	4811	2.189	ng	89
15) Benzyl Alcohol	8.34	79	34028	9.986	ng	96
17) 2-Methylphenol	8.34	107	15107	5.283	ng	# 1
19) n-Nitroso-di-n-propylamine	9.28	70	42245	14.902	ng	# 78
27) 2,4-Dimethylphenol	10.18	122	16245	6.113	ng	# 1
32) Benzoic acid	10.18	122	16245	14.660	ng	94
50) Dimethylphthalate	14.18	163	45301	4.372	ng	97
57) 2,4-Dinitrotoluene	14.73	165	15354	4.865	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.23	198	304	8.741	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	10563	2.544	ng	# 1
70) Pentachlorophenol	17.12	266	137	4.311	ng	# 18
74) Di-n-butylphthalate	18.41	149	79101	4.692	ng	99

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

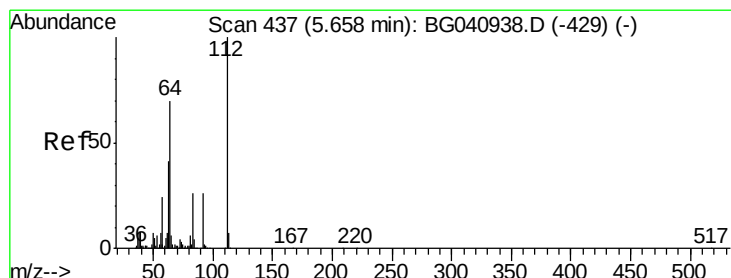
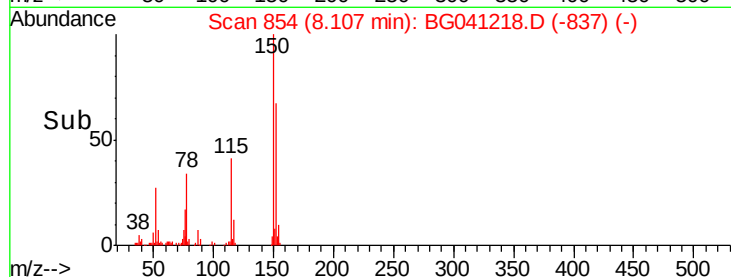
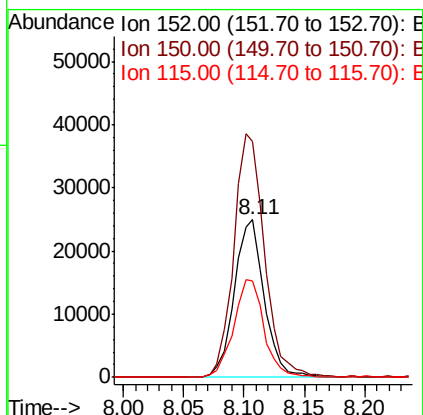
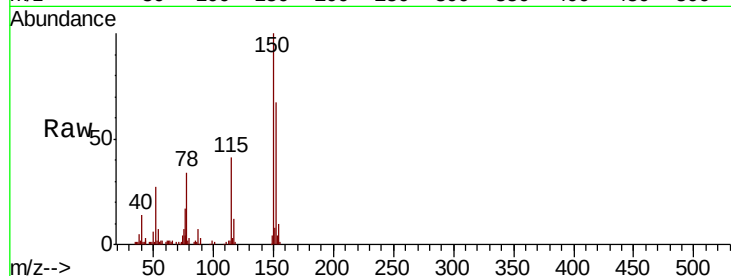


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BG041218.D
 Acq: 12 Jun 2019 22:40

Instrument :
 BNA_G
 ClientSampled :
 TI-658-X

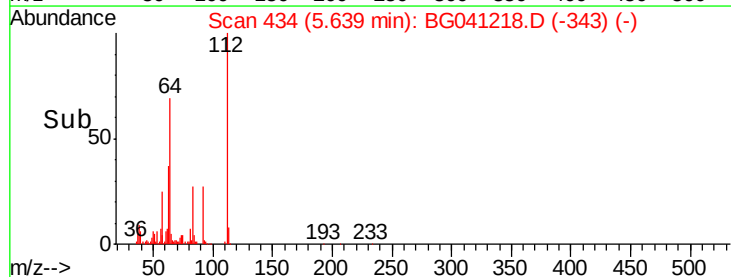
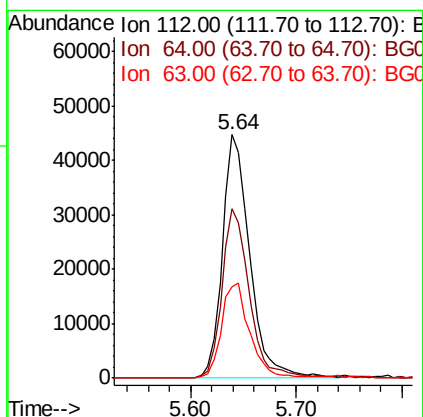
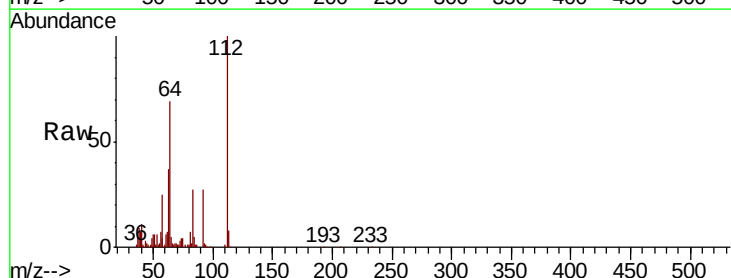
Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.4	120.6	180.8
115	60.8	45.1	67.7

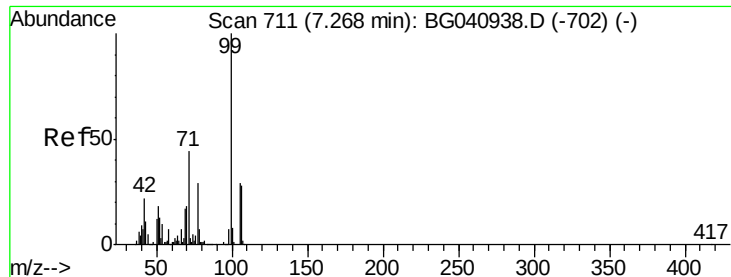


#5

2-Fluorophenol
 Concen: 33.678 ng
 RT: 5.64 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: BG041218.D
 Acq: 12 Jun 2019 22:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	56.2	84.2
63	37.5	32.8	49.2





#7

Phenol-d6

Concen: 18.422 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

TI-658-X

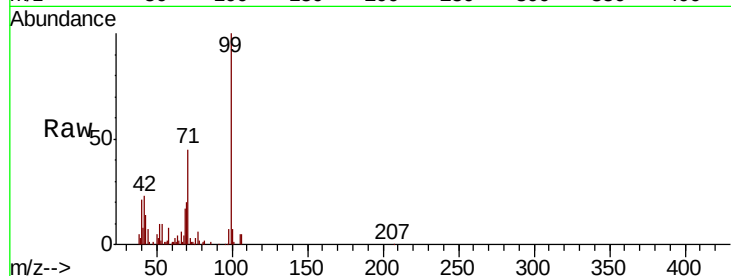
Tgt Ion: 99 Resp: 67864

Ion Ratio Lower Upper

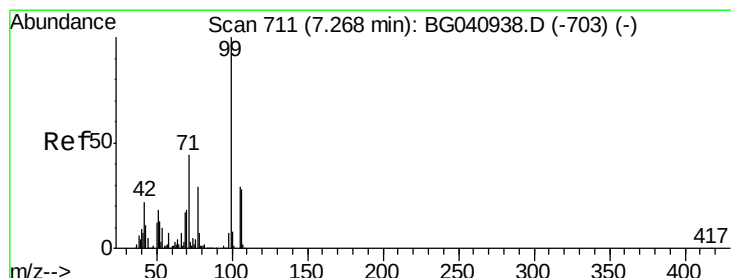
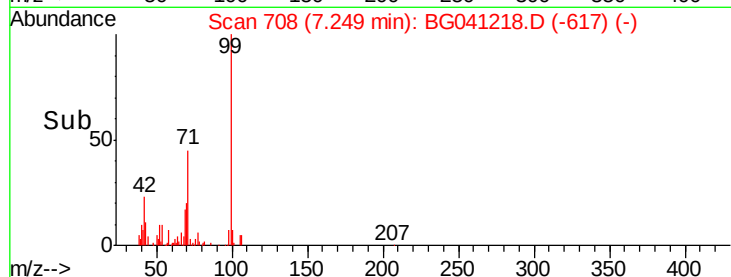
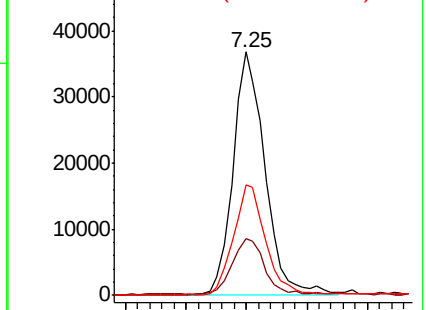
99 100

42 23.4 17.9 26.9

71 45.3 35.4 53.0



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



#9

Benzaldehyde

Concen: 2.189 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

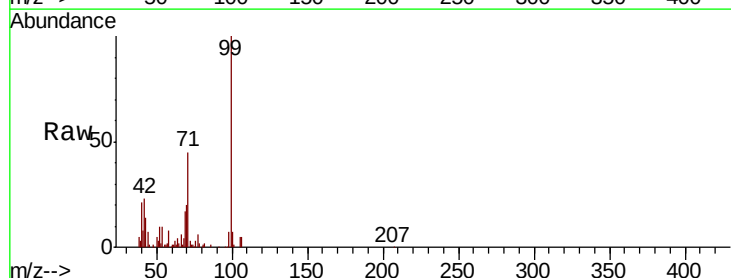
Tgt Ion: 77 Resp: 4811

Ion Ratio Lower Upper

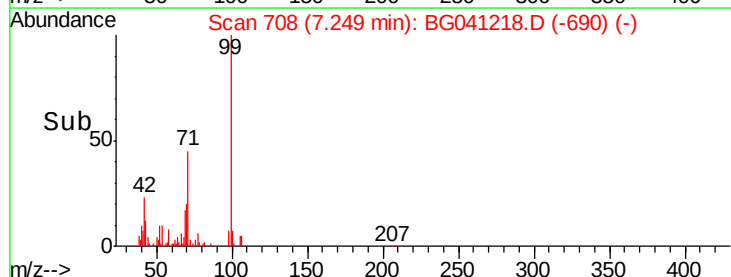
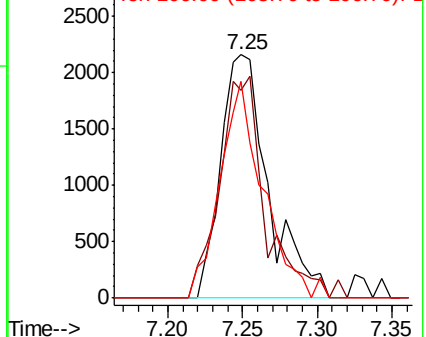
77 100

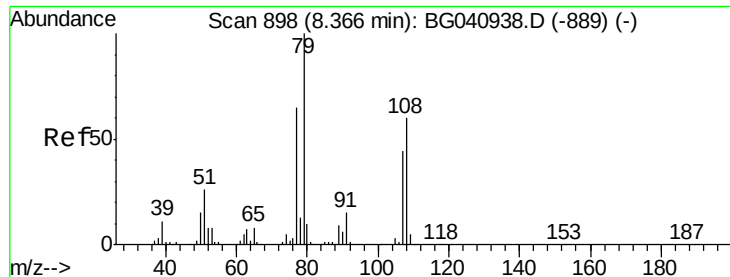
105 85.5 78.9 118.9

106 89.2 76.7 116.7



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





#15

Benzyl Alcohol

Concen: 9.986 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.00 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

TI-658-X

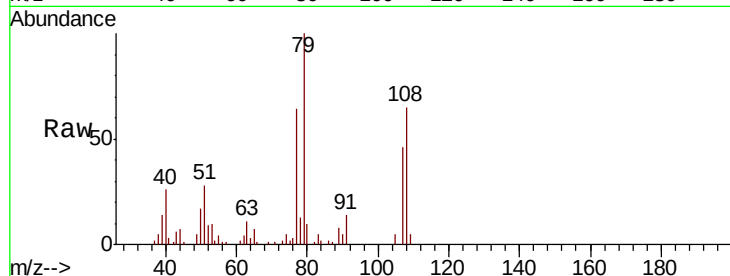
Tgt Ion: 79 Resp: 34028

Ion Ratio Lower Upper

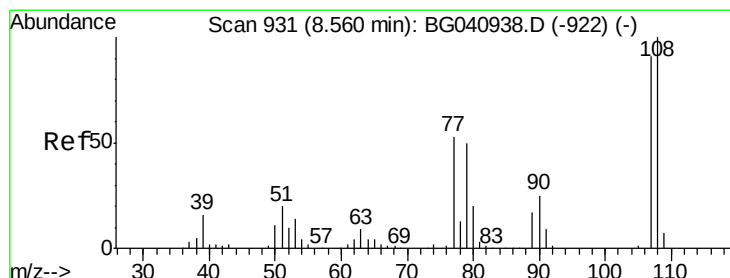
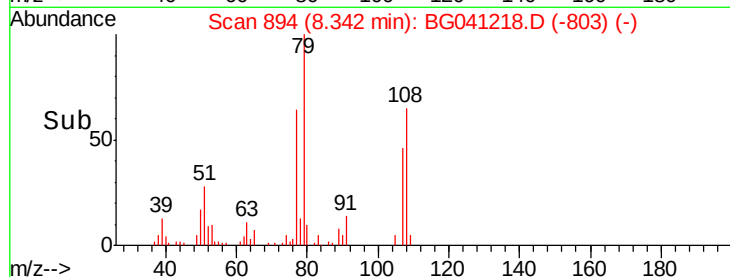
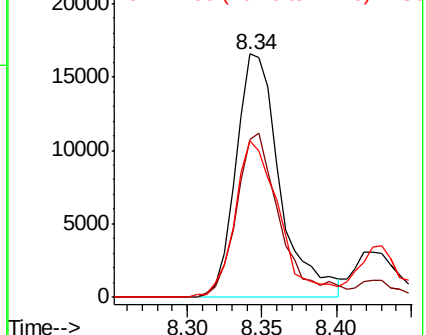
79 100

108 64.9 48.3 72.5

77 64.4 52.3 78.5



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#17

2-Methylphenol

Concen: 5.283 ng

RT: 8.34 min Scan# 894

Delta R.T. -0.19 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

Tgt Ion: 107 Resp: 15107

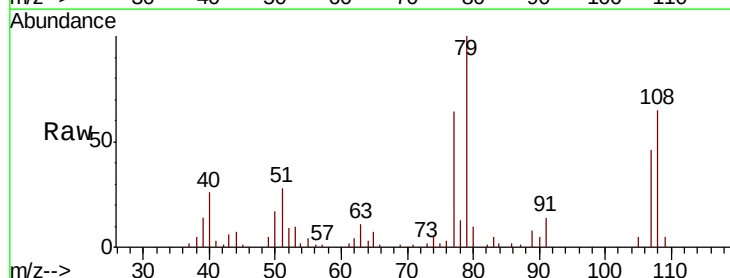
Ion Ratio Lower Upper

107 100

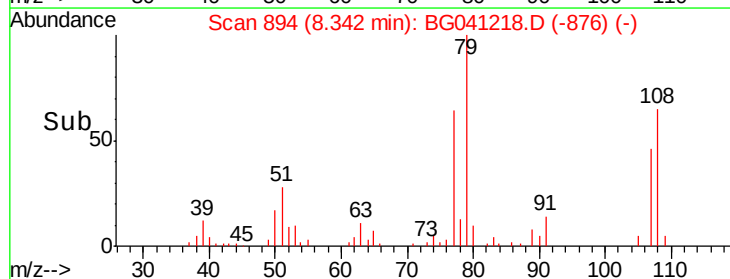
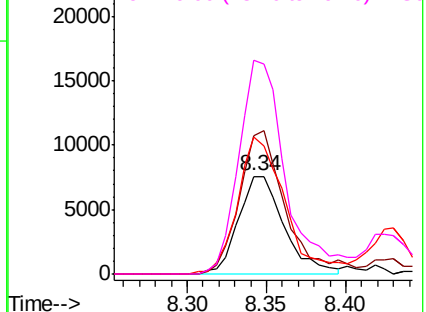
108 141.8 87.7 131.5#

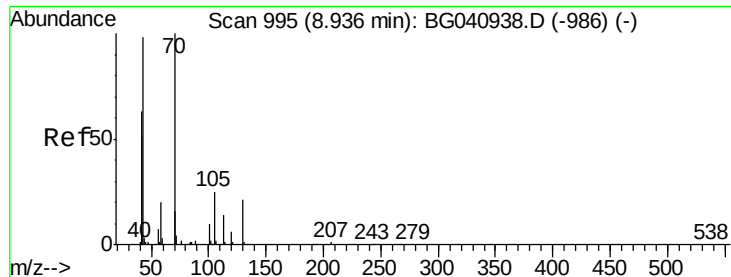
77 140.7 46.6 70.0#

79 218.6 44.6 66.8#



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

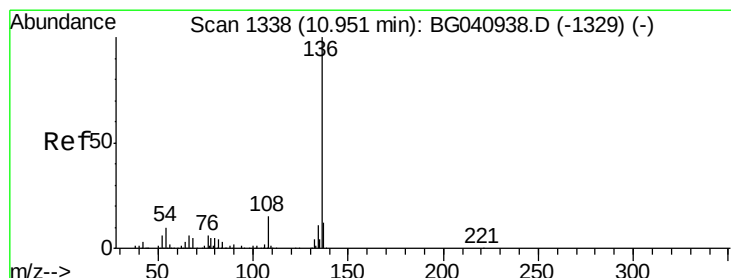
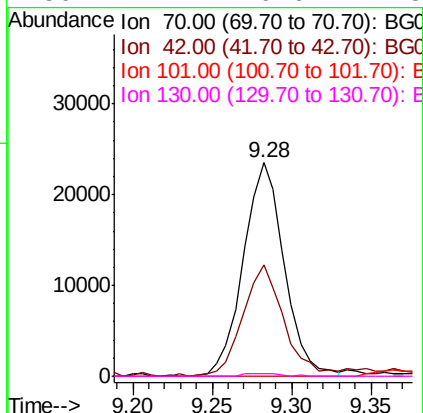
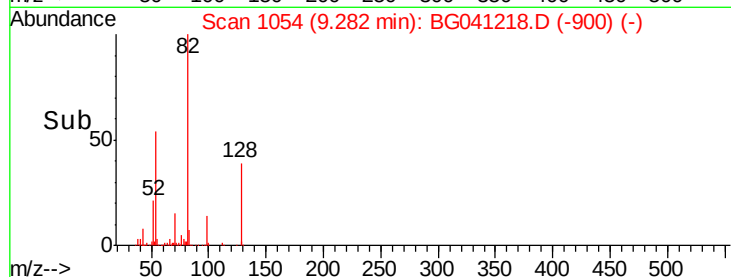
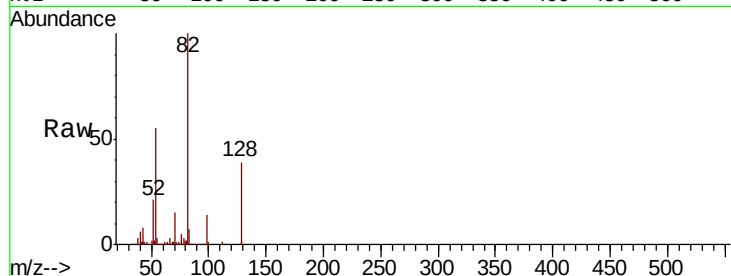




#19
n-Nitroso-di-n-propylamine
Concen: 14.902 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.37 min
Lab File: BG041218.D
Acq: 12 Jun 2019 22:40

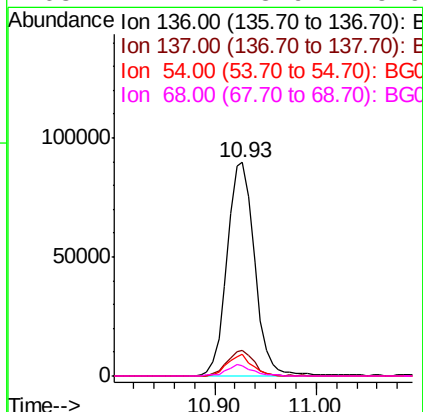
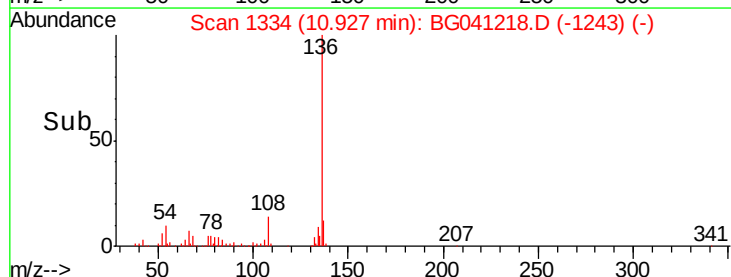
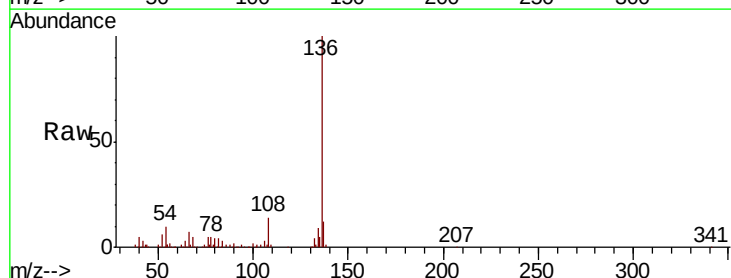
Instrument :
BNA_G
ClientSampleId :
TI-658-X

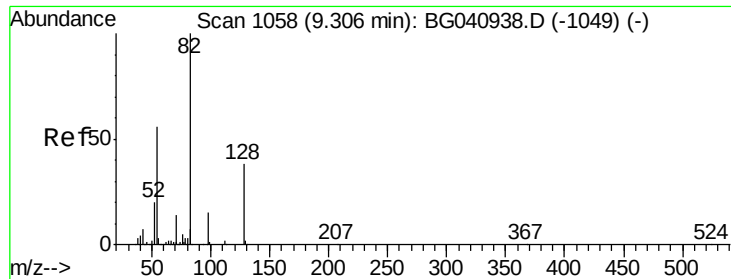
Tgt Ion: 70 Resp: 42245
Ion Ratio Lower Upper
70 100
42 52.1 51.5 77.3
101 0.0 8.1 12.1#
130 1.4 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041218.D
Acq: 12 Jun 2019 22:40

Tgt Ion: 136 Resp: 170039
Ion Ratio Lower Upper
136 100
137 11.8 9.5 14.3
54 10.2 7.6 11.4
68 4.7 3.9 5.9

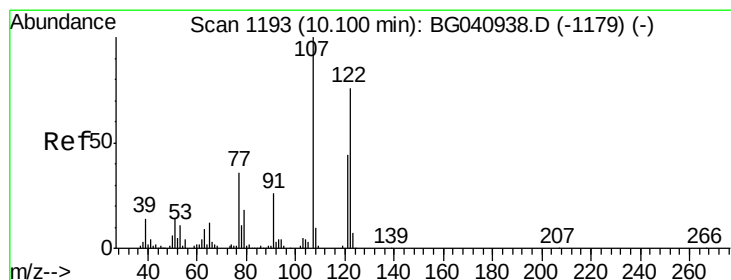
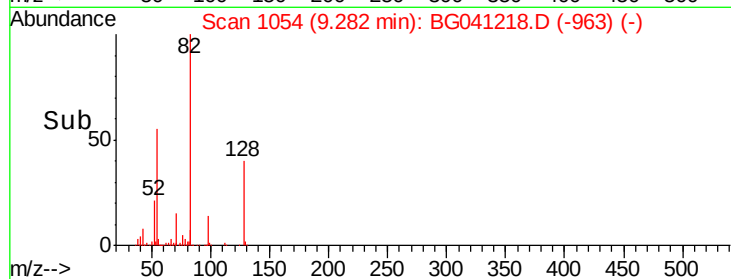
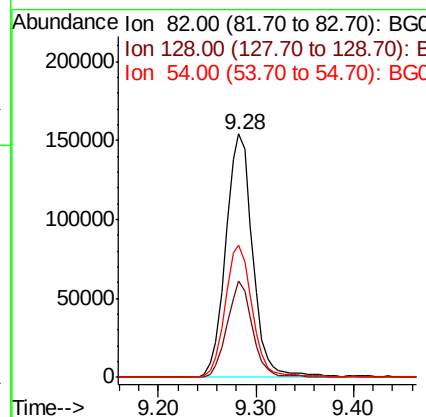
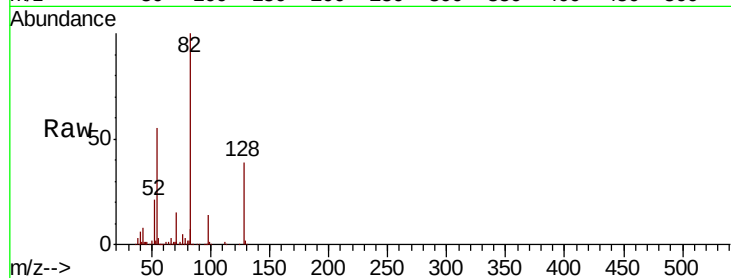




#23
 Nitrobenzene-d5
 Concen: 77.154 ng
 RT: 9.28 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: BG041218.D
 Acq: 12 Jun 2019 22:40

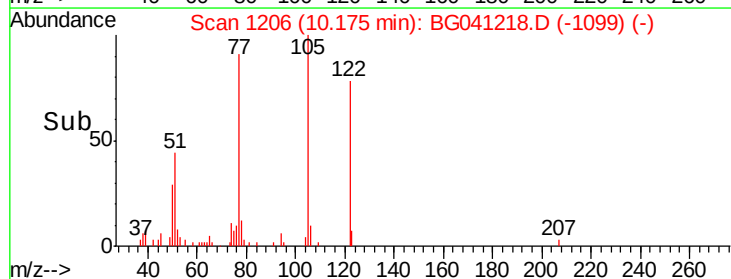
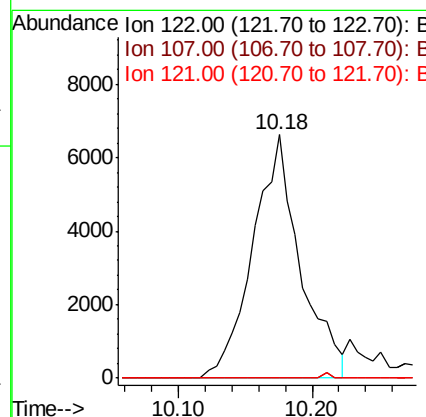
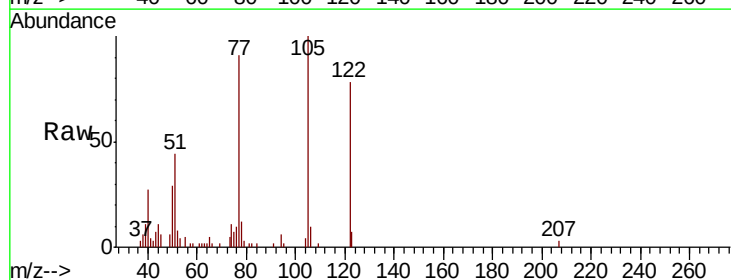
Instrument :
 BNA_G
 ClientSampleId :
 TI-658-X

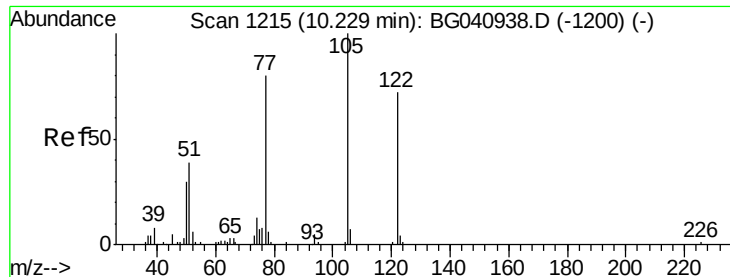
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.5	45.7
54	54.5	44.6	66.8



#27
 2,4-Dimethylphenol
 Concen: 6.113 ng
 RT: 10.18 min Scan# 1206
 Delta R.T. 0.10 min
 Lab File: BG041218.D
 Acq: 12 Jun 2019 22:40

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	105.9	158.9#
121	0.0	46.2	69.4#

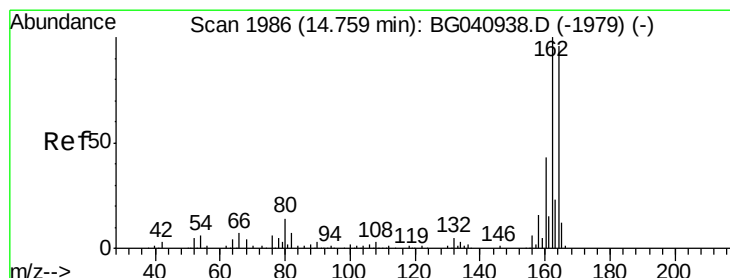
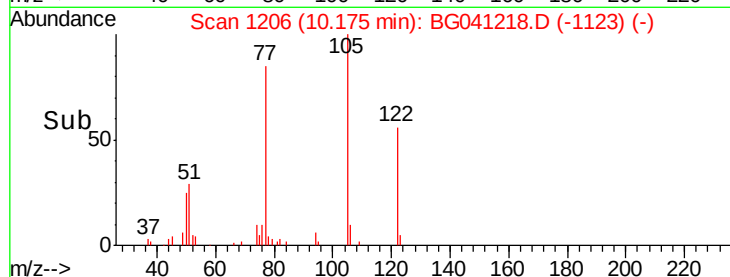
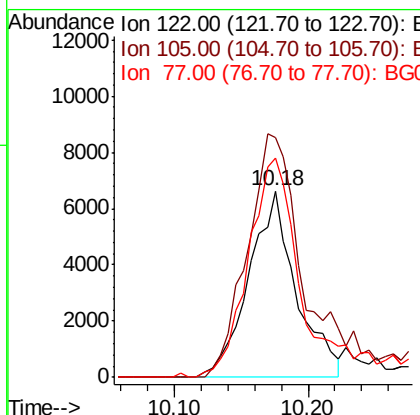
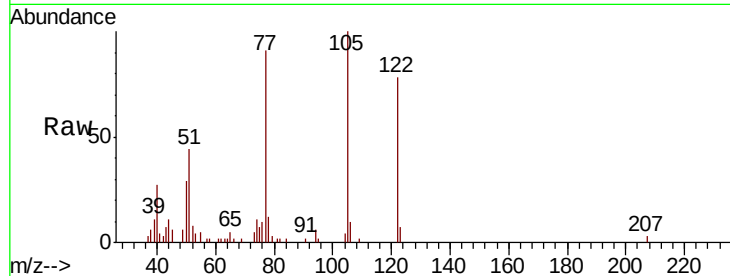




#32
Benzoic acid
Concen: 14.660 ng
RT: 10.18 min Scan# 1206
Delta R.T. -0.04 min
Lab File: BG041218.D
Acq: 12 Jun 2019 22:40

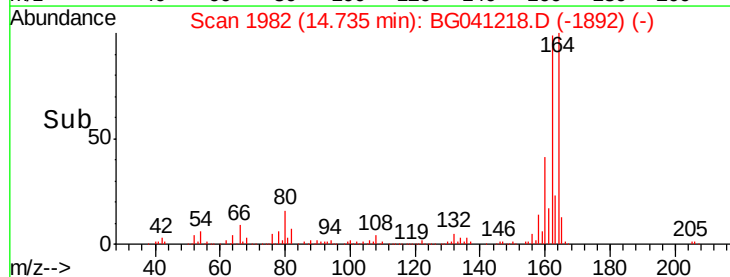
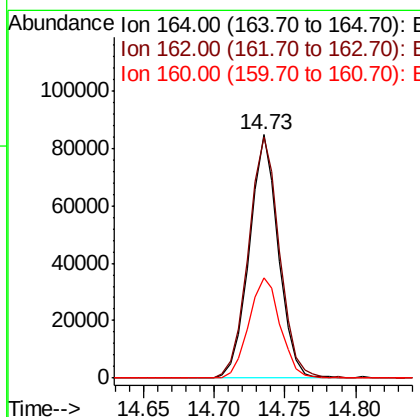
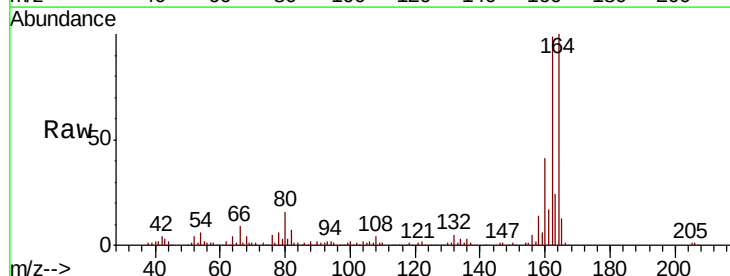
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ClientSampleId :
TI-658-X

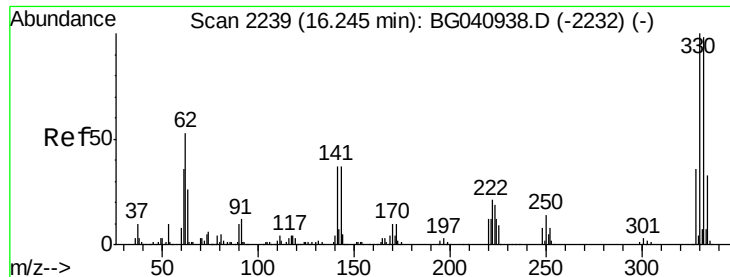
Tgt Ion:122 Resp: 16245
Ion Ratio Lower Upper
122 100
105 128.8 114.8 154.8
77 117.4 89.9 129.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG041218.D
Acq: 12 Jun 2019 22:40

Tgt Ion:164 Resp: 122402
Ion Ratio Lower Upper
164 100
162 98.8 83.0 124.4
160 41.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 80.497 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

TI-658-X

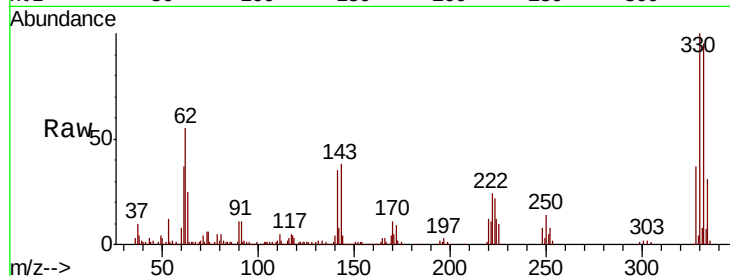
Tgt Ion:330 Resp: 146274

Ion Ratio Lower Upper

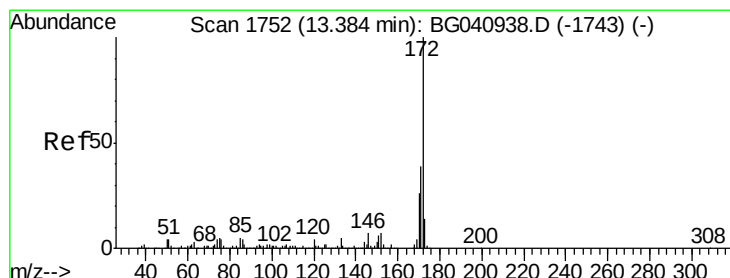
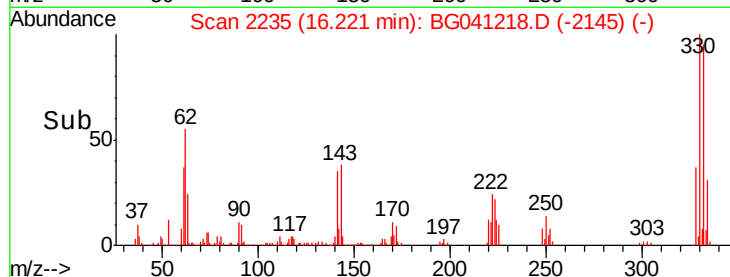
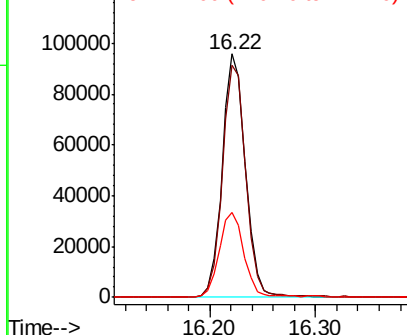
330 100

332 95.8 78.5 117.7

141 37.5 28.7 43.1



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: 75.165 ng

RT: 13.36 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

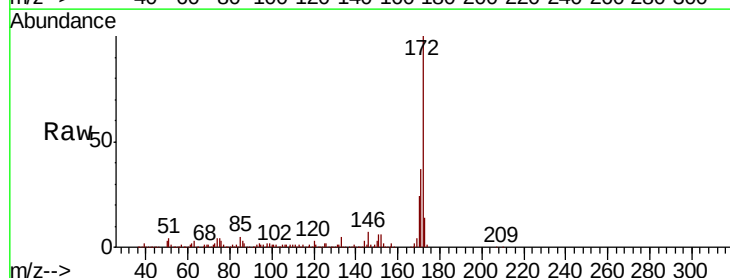
Tgt Ion:172 Resp: 638867

Ion Ratio Lower Upper

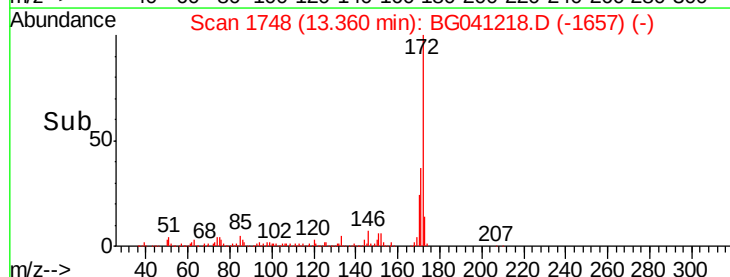
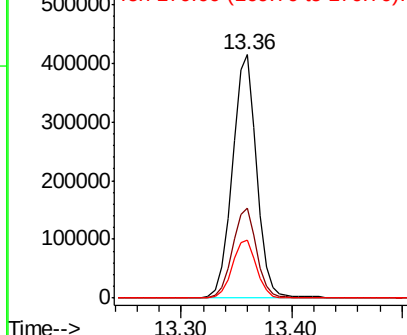
172 100

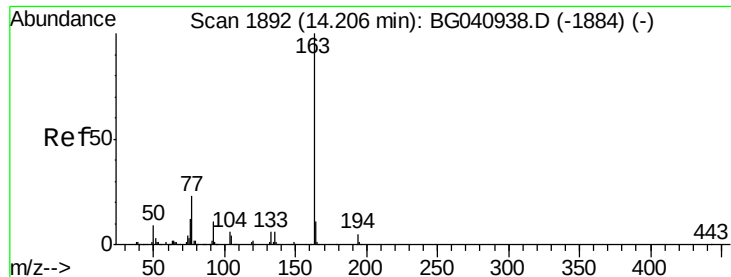
171 37.1 31.1 46.7

170 24.0 20.5 30.7



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: 4.372 ng

RT: 14.18 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

TI-658-X

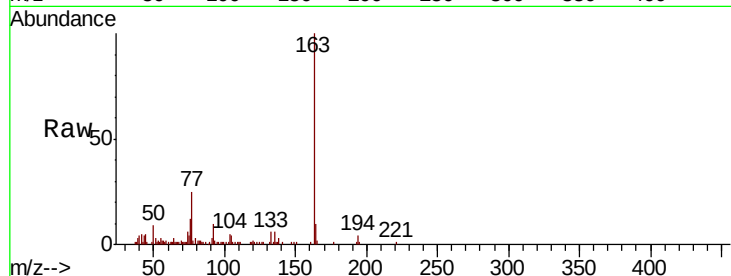
Tgt Ion:163 Resp: 45301

Ion Ratio Lower Upper

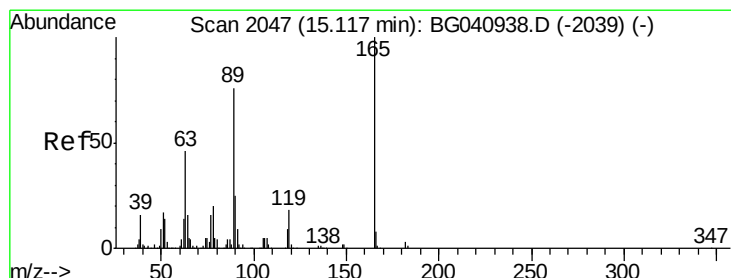
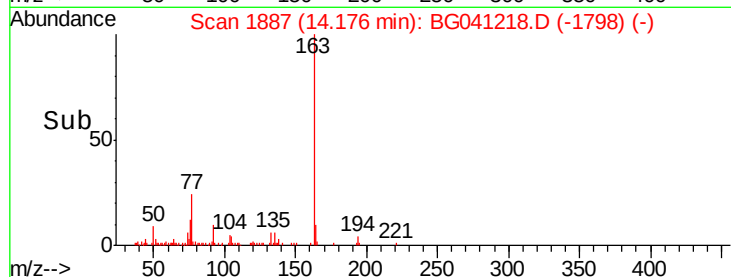
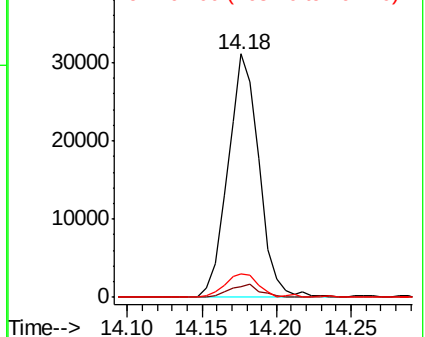
163 100

194 4.3 3.8 5.8

164 9.6 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 4.865 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

Tgt Ion:165 Resp: 15354

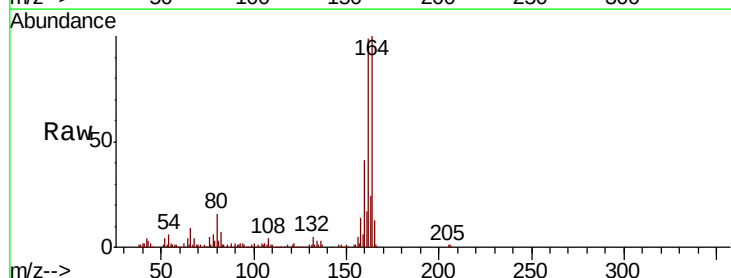
Ion Ratio Lower Upper

165 100

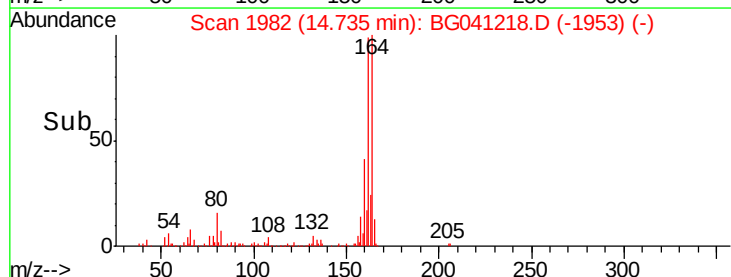
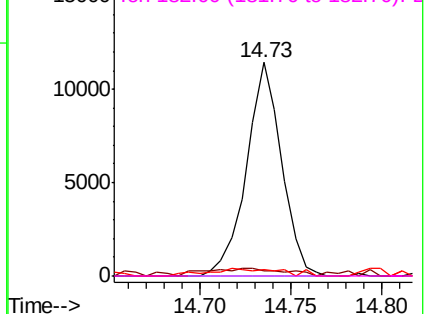
63 2.7 37.3 55.9#

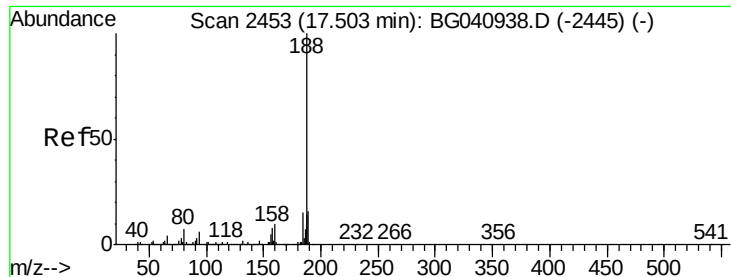
89 2.8 61.0 91.6#

182 0.0 2.2 3.2#



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: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

TI-658-X

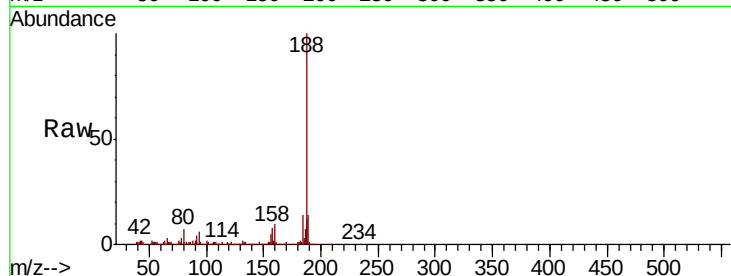
Tgt Ion:188 Resp: 307712

Ion Ratio Lower Upper

188 100

94 5.9 4.7 7.1

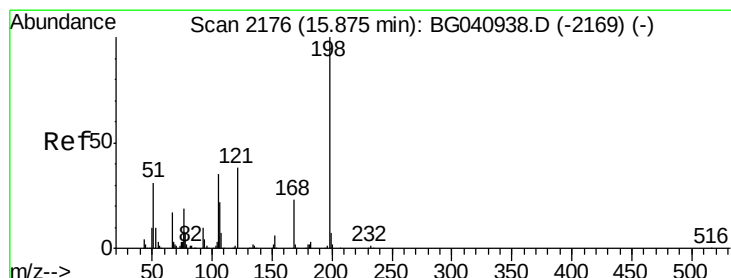
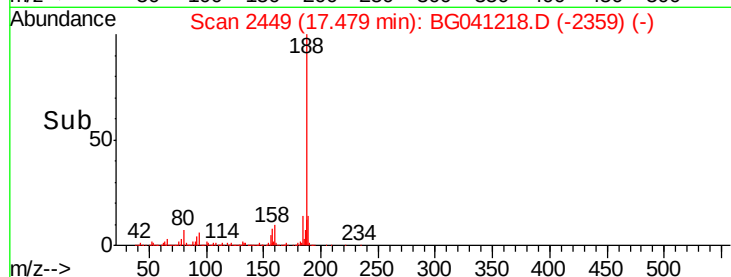
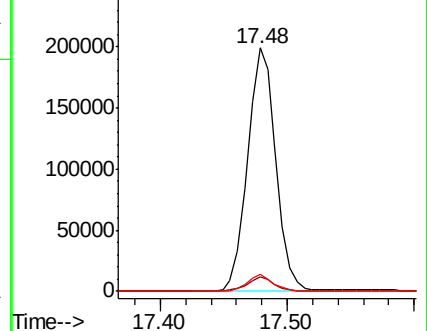
80 6.8 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.741 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.37 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

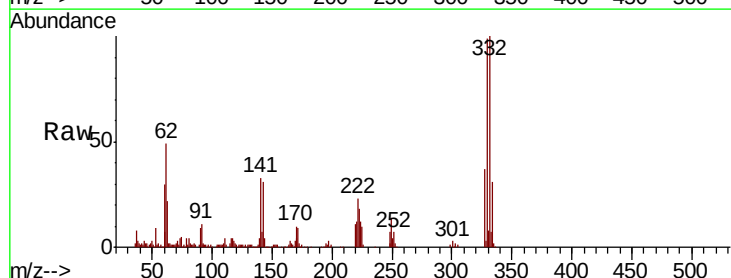
Tgt Ion:198 Resp: 304

Ion Ratio Lower Upper

198 100

51 344.6 21.6 61.6#

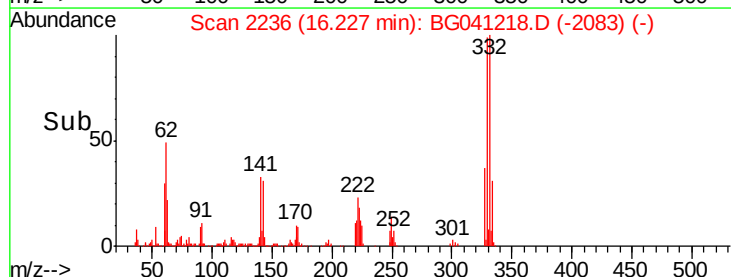
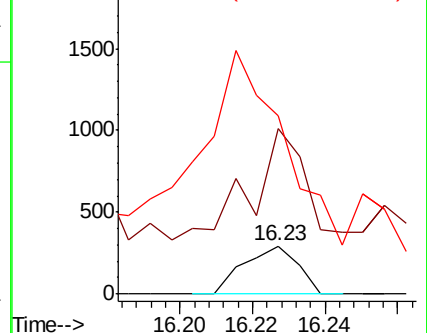
105 371.1 17.5 57.5#

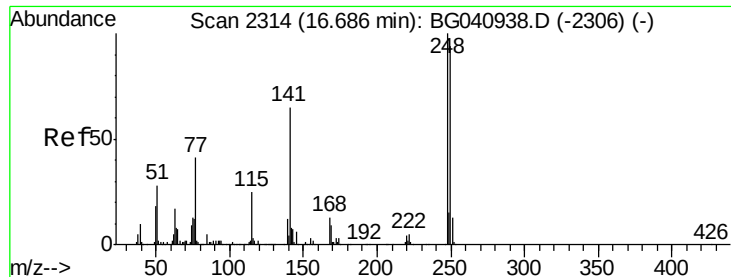


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

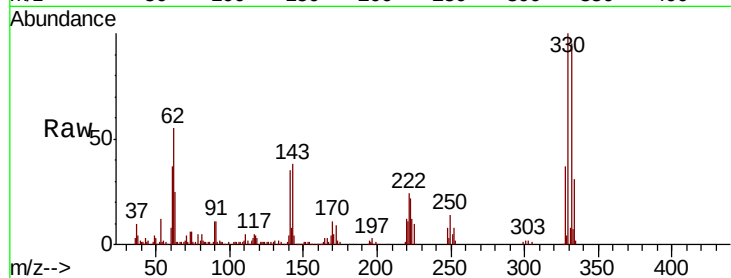




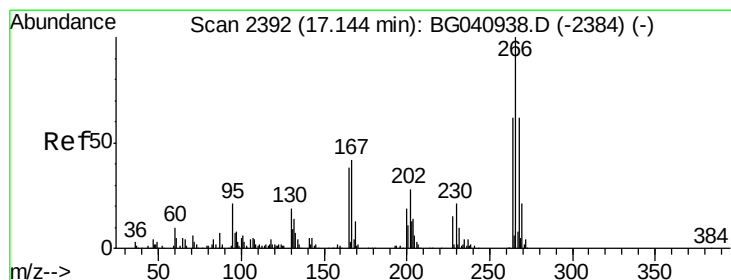
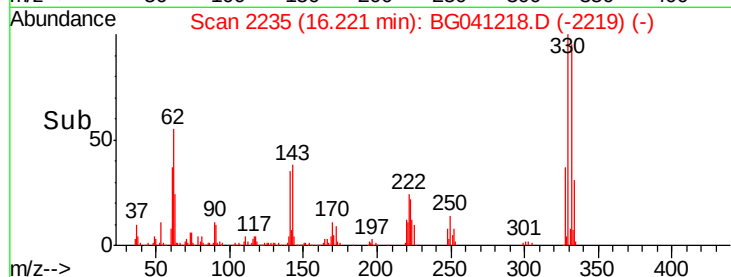
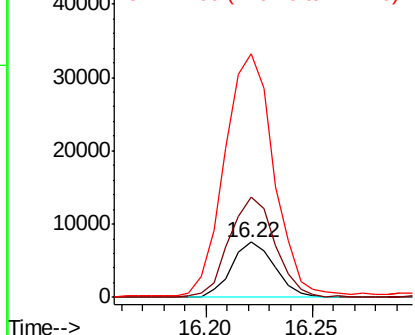
#67
4-Bromophenyl-phenylether
Concen: 2.544 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.44 min
Lab File: BG041218.D
Acq: 12 Jun 2019 22:40

Instrument :
BNA_G
ClientSampleId :
TI-658-X

Tgt Ion:248 Resp: 10563
Ion Ratio Lower Upper
248 100
250 182.3 75.0 112.4#
141 441.7 52.4 78.6#

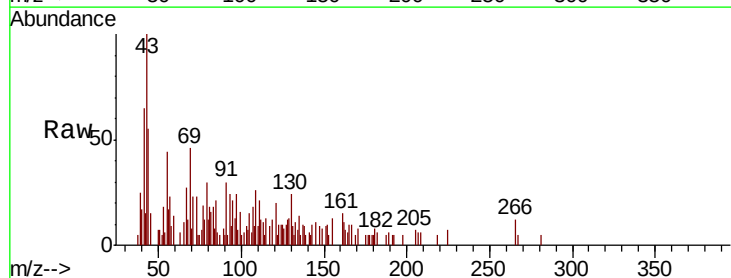


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

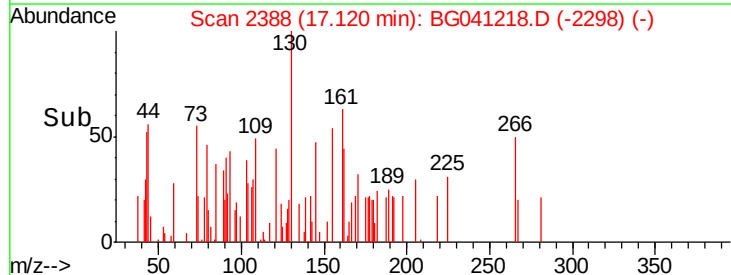
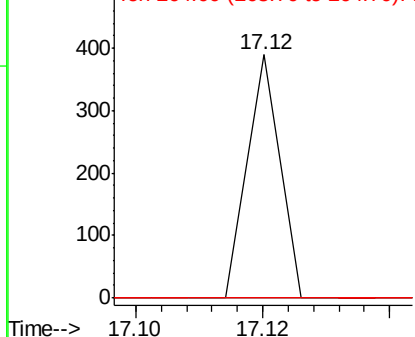


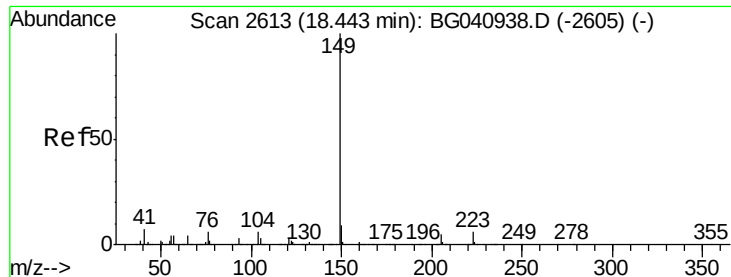
#70
Pentachlorophenol
Concen: 4.311 ng
RT: 17.12 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BG041218.D
Acq: 12 Jun 2019 22:40

Tgt Ion:266 Resp: 137
Ion Ratio Lower Upper
266 100
268 0.0 53.1 79.7#
264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#74

Di-n-butylphthalate

Concen: 4.692 ng

RT: 18.41 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

TI-658-X

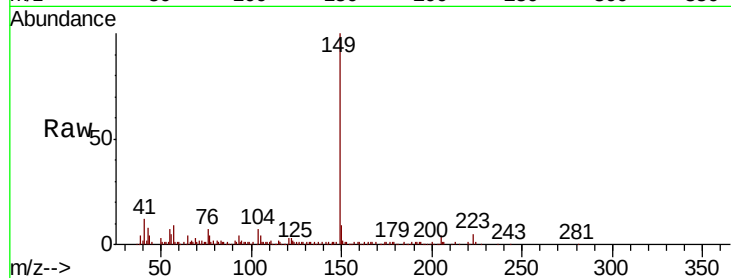
Tgt Ion:149 Resp: 79101

Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.2

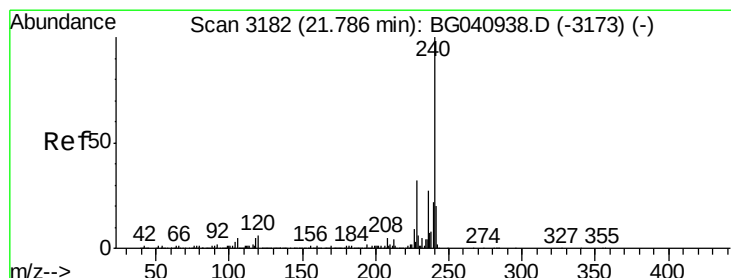
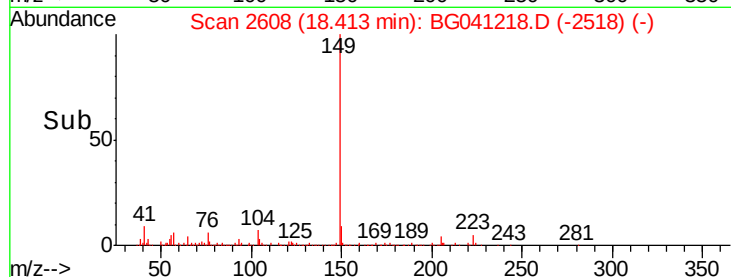
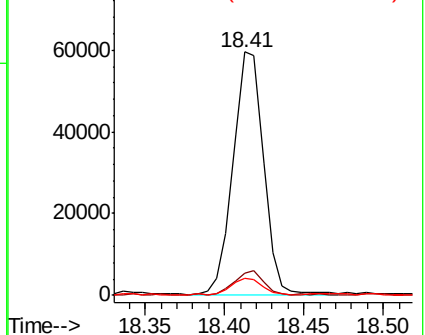
104 7.0 5.0 7.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.00 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

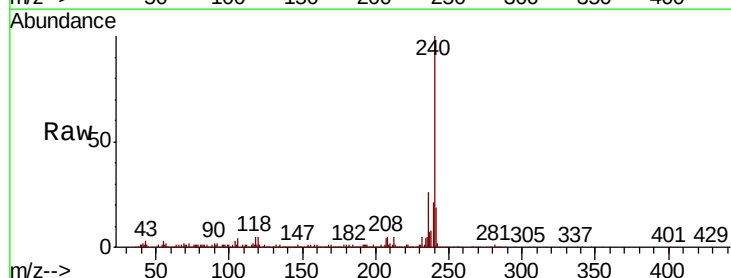
Tgt Ion:240 Resp: 316338

Ion Ratio Lower Upper

240 100

120 4.8 4.5 6.7

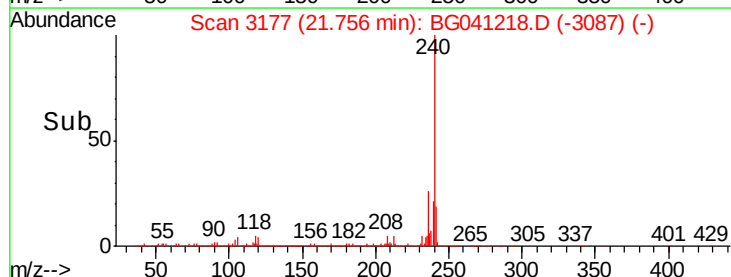
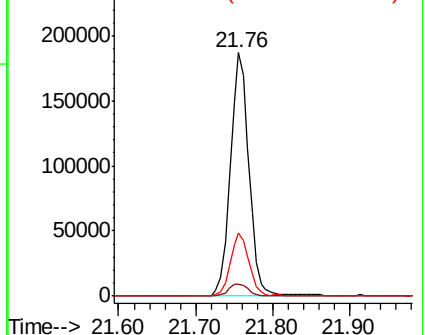
236 25.9 21.3 31.9

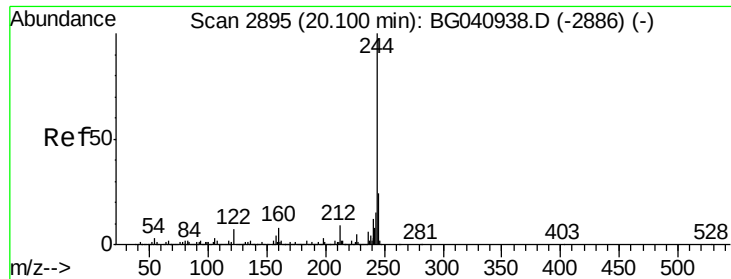


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 71.049 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

Instrument :

BNA_G

ClientSampleId :

TI-658-X

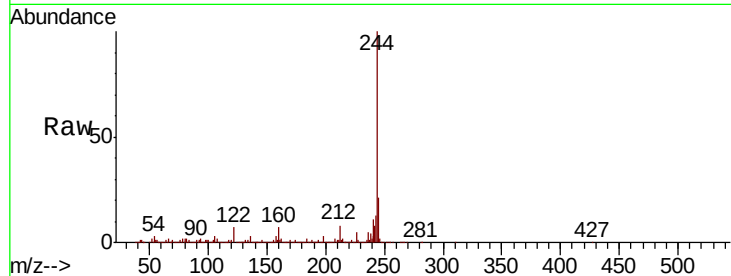
Tgt Ion:244 Resp: 1058998

Ion Ratio Lower Upper

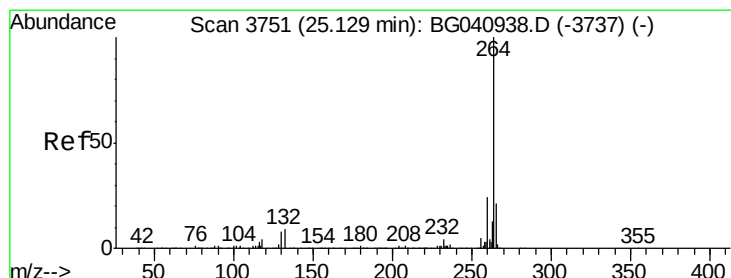
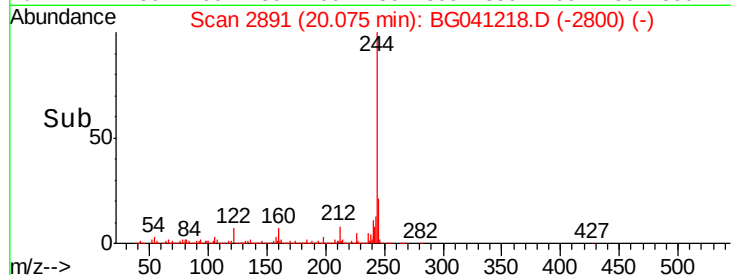
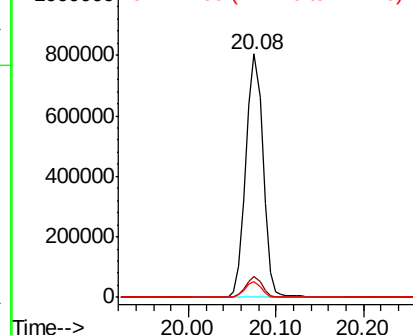
244 100

212 8.5 7.0 10.4

122 6.6 5.4 8.0



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: 25.09 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BG041218.D

Acq: 12 Jun 2019 22:40

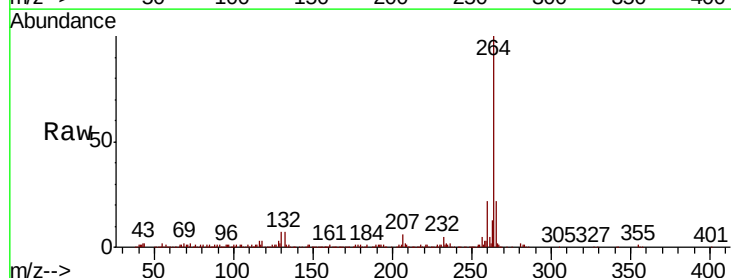
Tgt Ion:264 Resp: 338308

Ion Ratio Lower Upper

264 100

260 22.1 19.0 28.4

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

