

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110819\
 Data File : BG043578.D
 Acq On : 8 Nov 2019 20:37
 Operator : JU
 Sample : K5742-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-22-(14-15)

Quant Time: Nov 11 00:33:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	31735	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	118090	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	85696	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	206459	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	208828	20.00	ng	0.00
87) Perylene-d12	24.84	264	239987	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	155913	90.03	ng	0.01
7) Phenol-d6	7.21	99	221710	88.98	ng	0.01
23) Nitrobenzene-d5	9.17	82	137690	60.11	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	139090	85.29	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	362873	58.51	ng	0.00
79) Terphenyl-d14	19.99	244	715879	64.31	ng	0.00

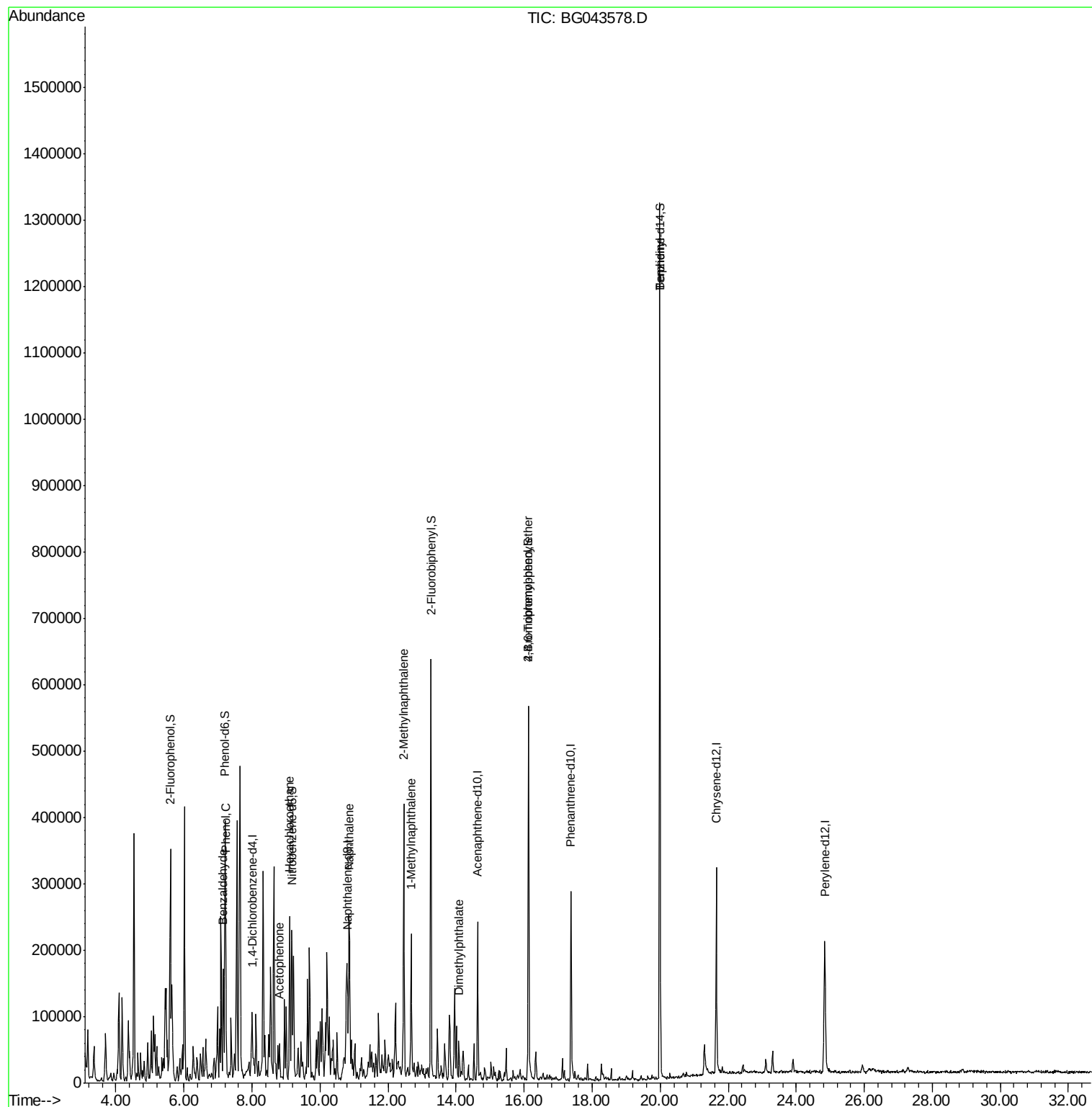
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	7578	6.188	ng	# 1
10) Phenol	7.23	94	8085	3.551	ng	# 38
18) Hexachloroethane	9.11	117	22121	25.300	ng	# 1
22) Acetophenone	8.80	105	37407	12.369	ng	# 56
31) Naphthalene	10.86	128	149411	24.926	ng	98
37) 2-Methylnaphthalene	12.47	142	212540	46.212	ng	99
38) 1-Methylnaphthalene	12.68	142	103252	23.595	ng	99
50) Dimethylphthalate	14.09	163	40042	6.032	ng	# 95
67) 4-Bromophenyl-phenylether	16.13	248	8630	3.106	ng	# 1
77) Benzidine	19.99	184	9473	2.254	ng	# 92

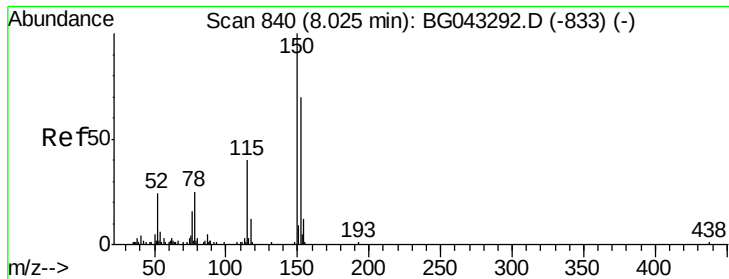
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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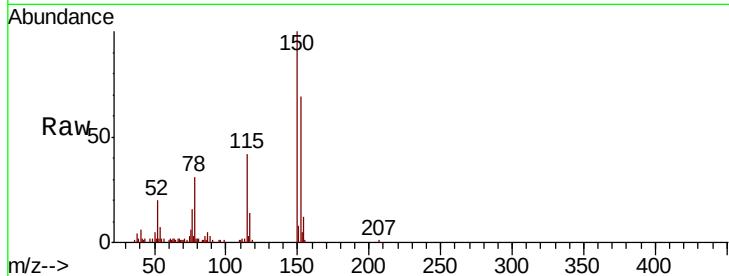


#1

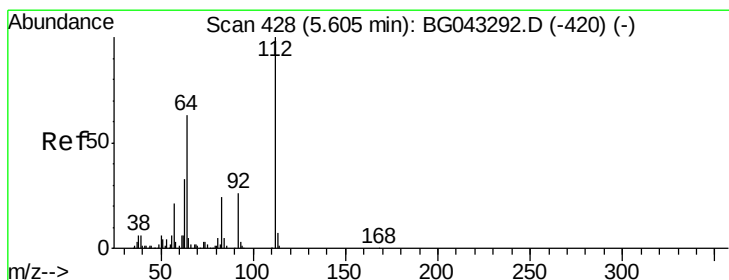
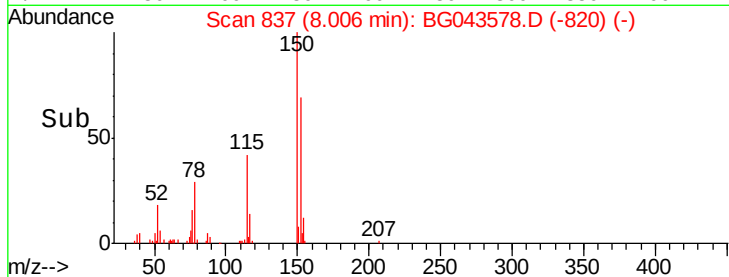
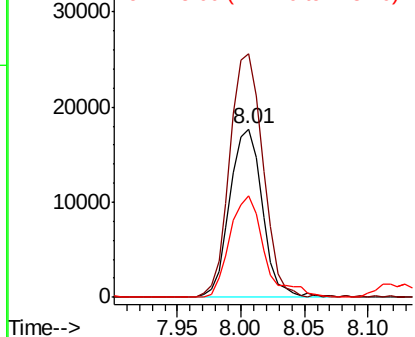
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

Instrument :
BNA_G
ClientSampleId :
SB-22-(14-15)

Tot Ion:152 Resp: 31735
Ion Ratio Lower Upper
152 100
150 144.3 129.4 194.0
115 60.3 48.8 73.2



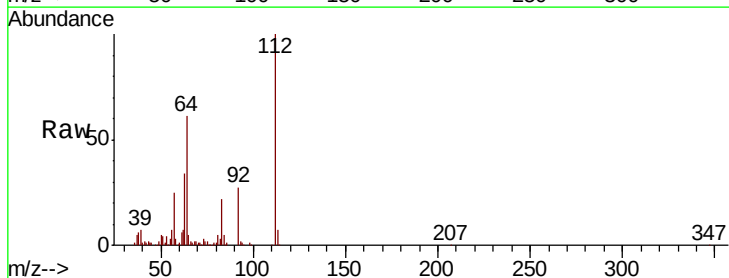
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



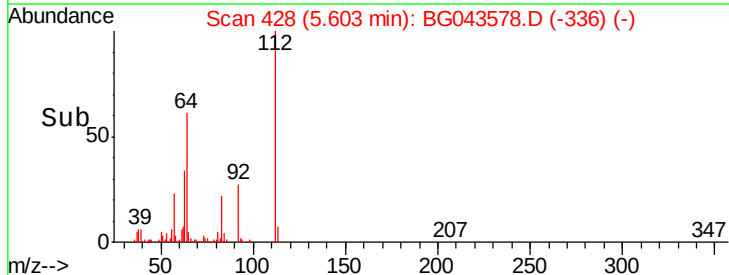
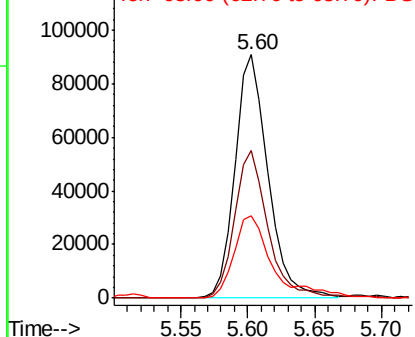
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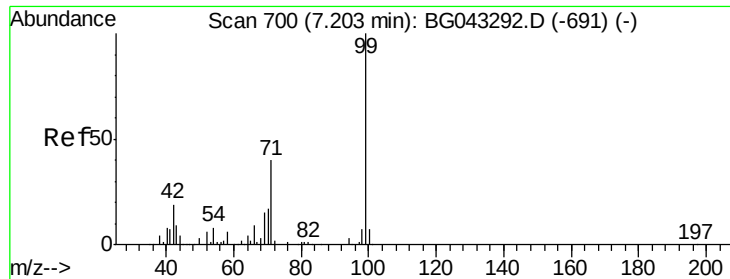
2-Fluorophenol
Concen: 90.028 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

Tgt Ion:112 Resp: 155913
Ion Ratio Lower Upper
112 100
64 60.7 50.0 75.0
63 33.6 26.6 40.0



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





#7

Phenol-d6

Concen: 88.979 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

Instrument :

BNA_G

ClientSampleId :

SB-22-(14-15)

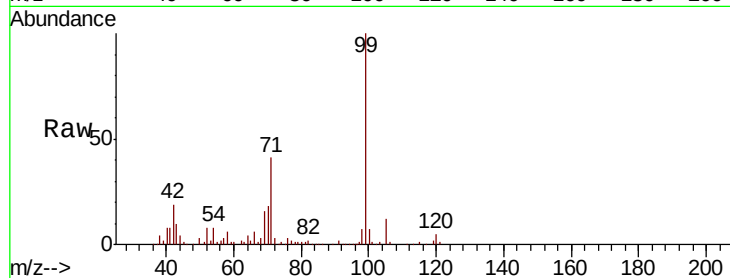
Tot Ion: 99 Resp: 221710

Ion Ratio Lower Upper

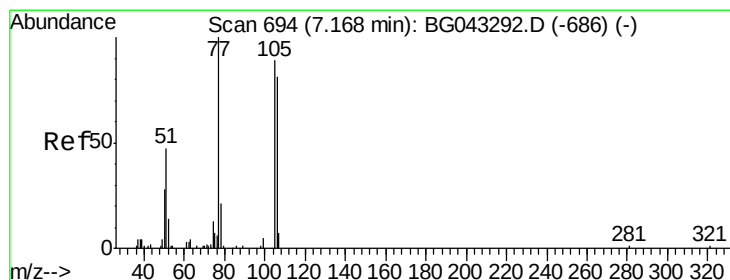
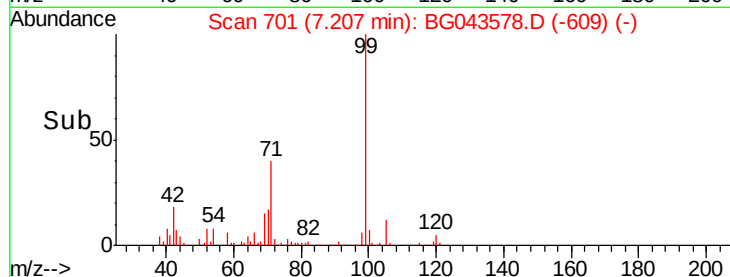
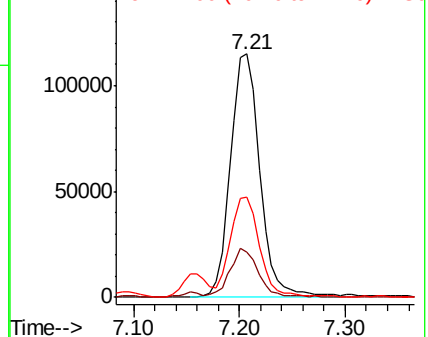
99 100

42 18.6 14.6 21.8

71 41.1 32.5 48.7



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



#9

Benzaldehyde

Concen: 6.188 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

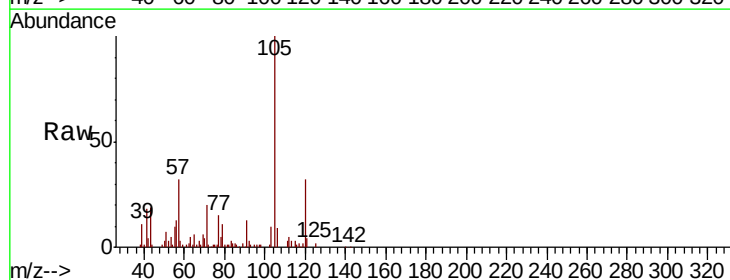
Tgt Ion: 77 Resp: 7578

Ion Ratio Lower Upper

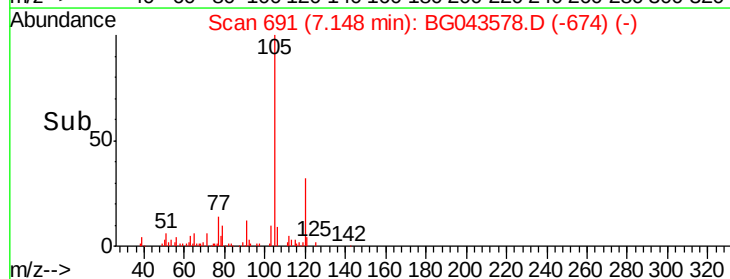
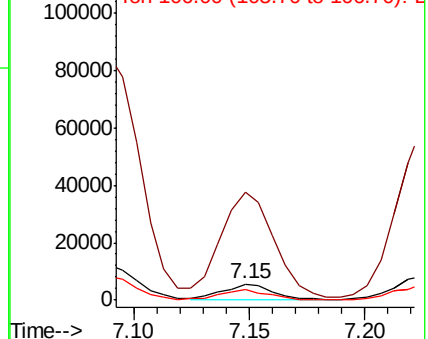
77 100

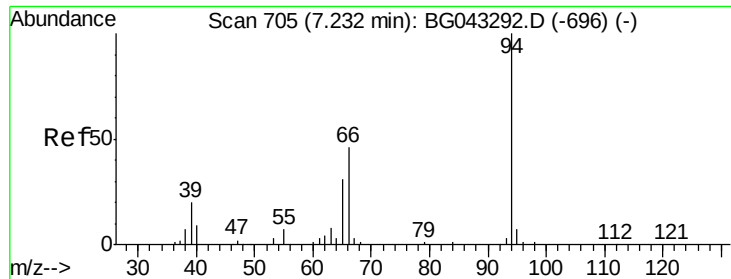
105 684.9 68.6 108.6#

106 64.8 69.9 109.9#



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

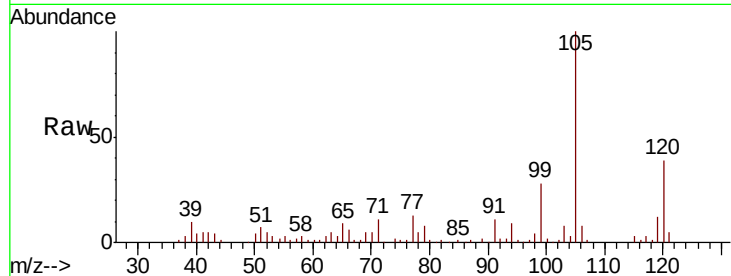




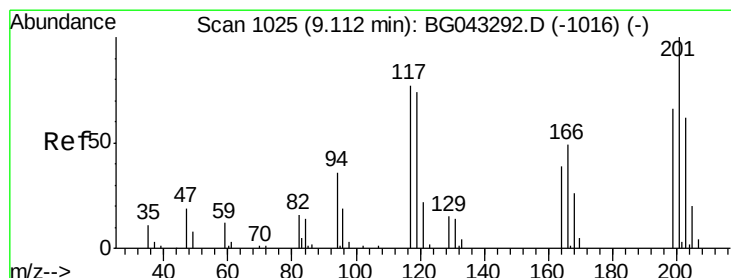
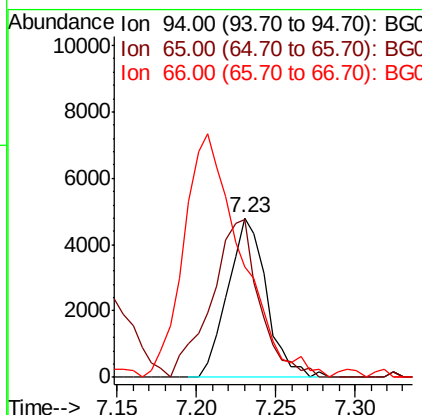
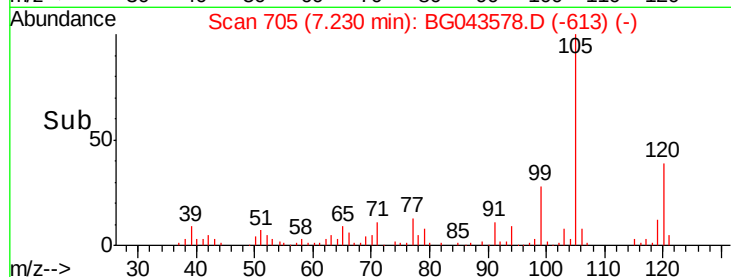
#10
Phenol
Concen: 3.551 ng
RT: 7.23 min Scan# 705
Delta R.T. 0.01 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

Instrument :
BNA_G
ClientSampleId :
SB-22-(14-15)

Tot Ion: 94 Resp: 8085
Ion Ratio Lower Upper
94 100
65 99.0 12.6 52.6#
66 69.2 30.7 70.7

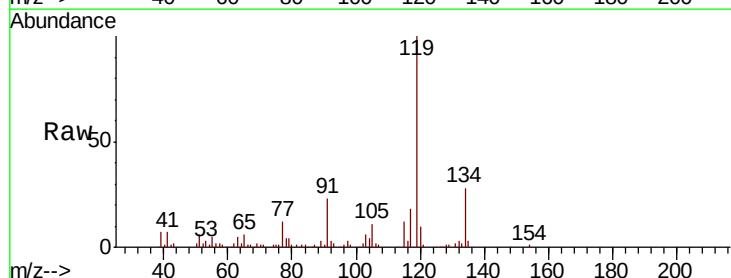


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

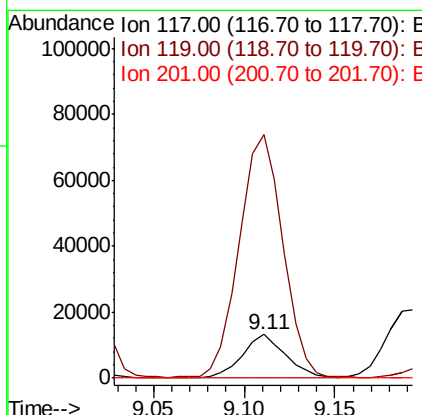
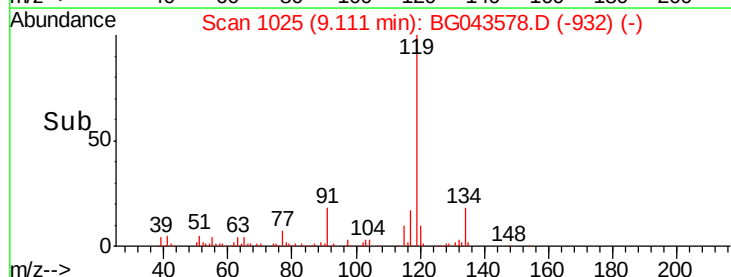


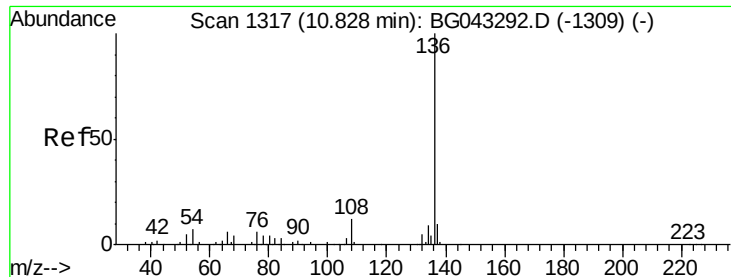
#18
Hexachloroethane
Concen: 25.300 ng
RT: 9.11 min Scan# 1025
Delta R.T. 0.02 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

Tgt Ion: 117 Resp: 22121
Ion Ratio Lower Upper
117 100
119 559.2 79.0 118.4#
201 0.0 105.4 158.2#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

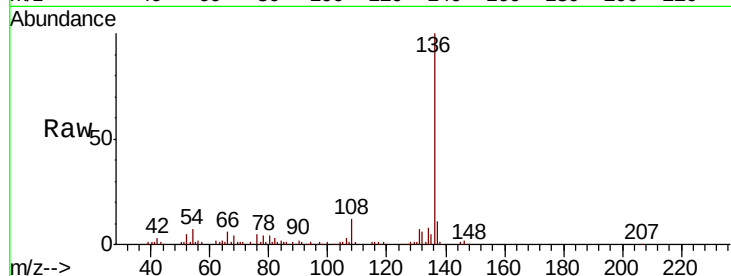




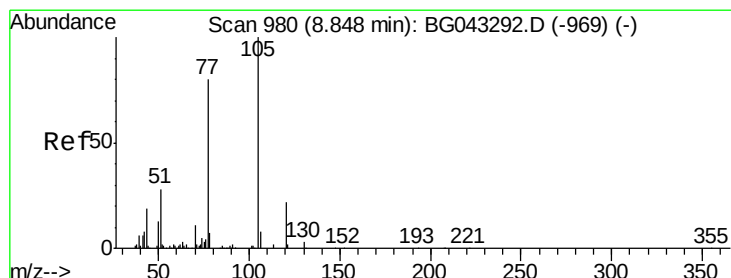
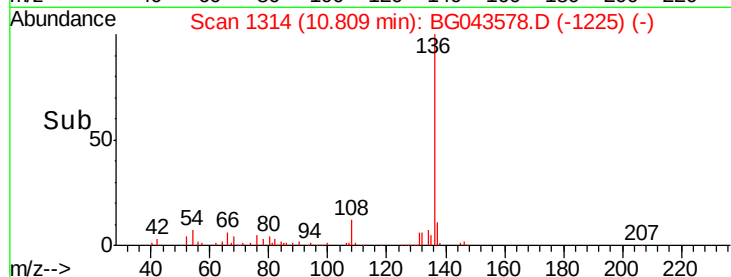
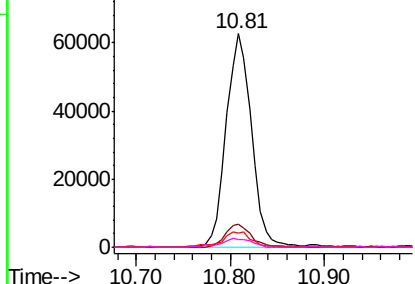
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

Instrument :
BNA_G
ClientSampleId :
SB-22-(14-15)

Tot Ion:136	Resp:	118090
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.7 13.1
54	6.8	5.4 8.2
68	3.9	3.0 4.4

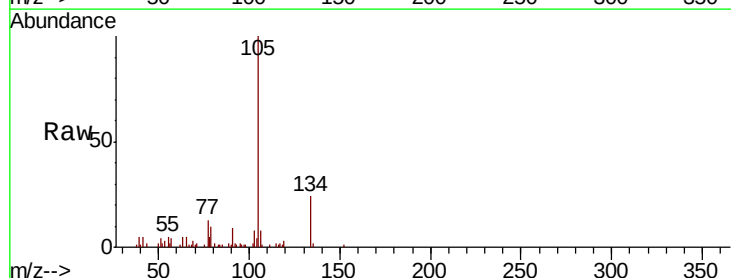


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

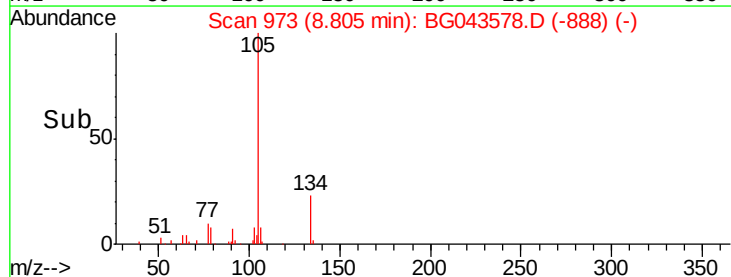
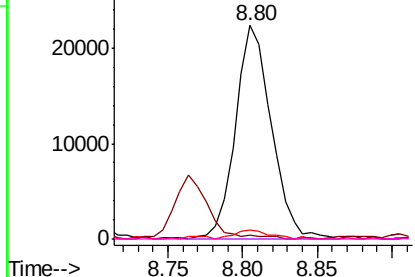


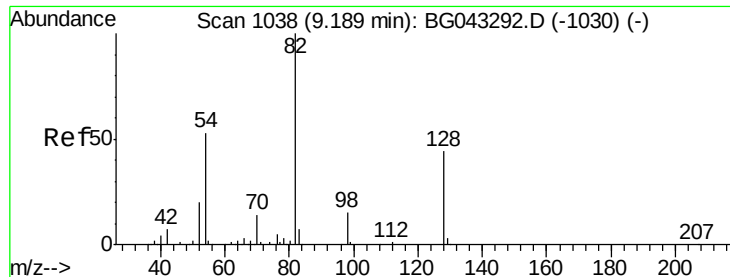
#22
Acetophenone
Concen: 12.369 ng
RT: 8.80 min Scan# 973
Delta R.T. -0.03 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

Tgt Ion:105	Resp:	37407
Ion Ratio	Lower	Upper
105	100	
71	1.7	0.8 1.2#
51	4.1	21.0 31.4#
120	0.0	18.0 27.0#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

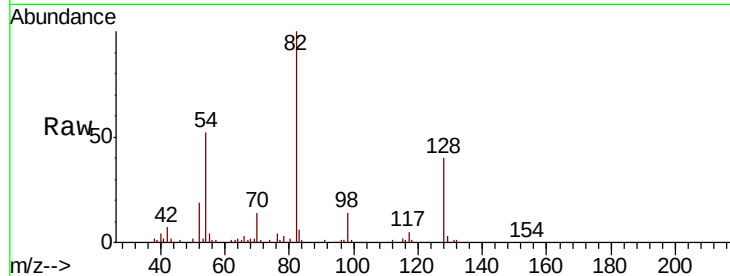




#23
 Nitrobenzene-d5
 Concen: 60.111 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG043578.D
 Acq: 8 Nov 2019 20:37

Instrument :
 BNA_G
 ClientSampleId :
 SB-22-(14-15)

Tot Ion	82	Resp	137690
Ion Ratio	Lower	Upper	
82	100		
128	39.6	35.0	52.6
54	51.6	40.2	60.2

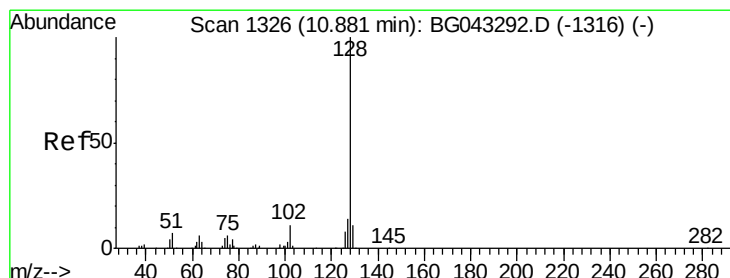
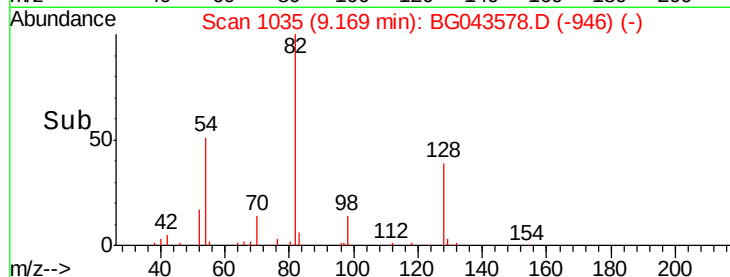
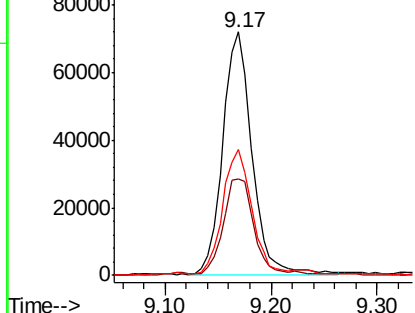


Abundance

Ion 82.00 (81.70 to 82.70): BGC

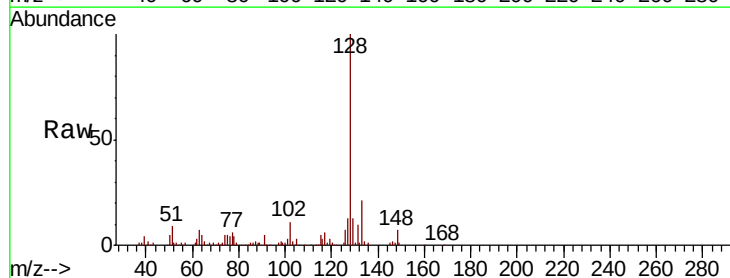
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#31
 Naphthalene
 Concen: 24.926 ng
 RT: 10.86 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BG043578.D
 Acq: 8 Nov 2019 20:37

Tgt Ion	128	Resp	149411
Ion Ratio	Lower	Upper	
128	100		
129	12.5	9.4	14.0
127	13.4	11.1	16.7

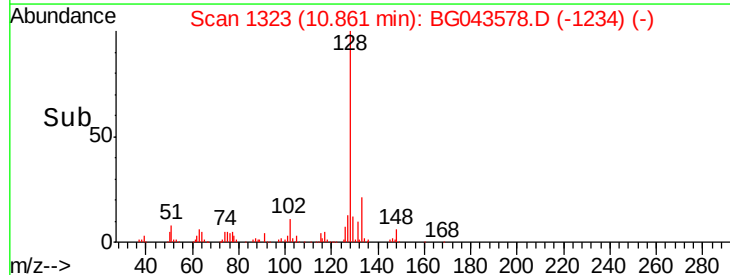
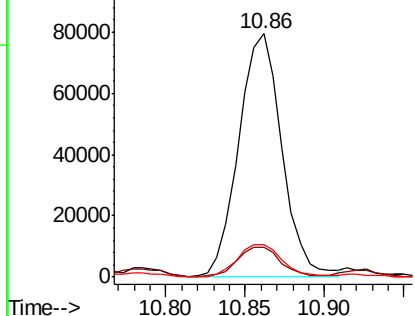


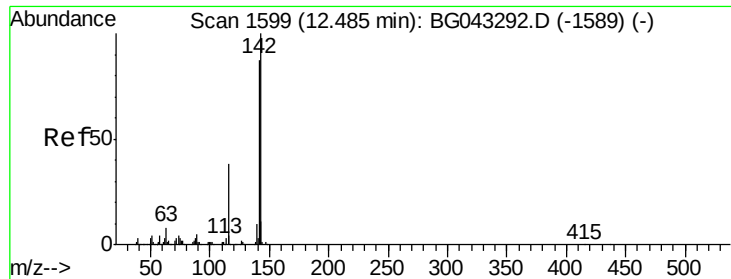
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

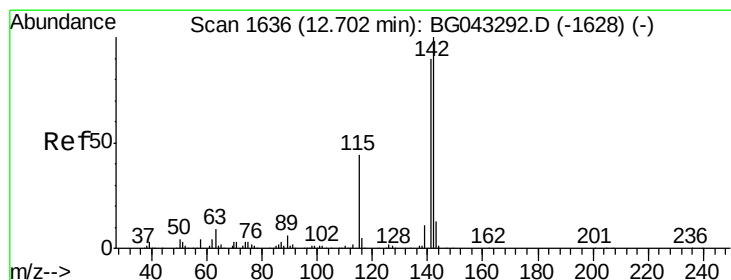
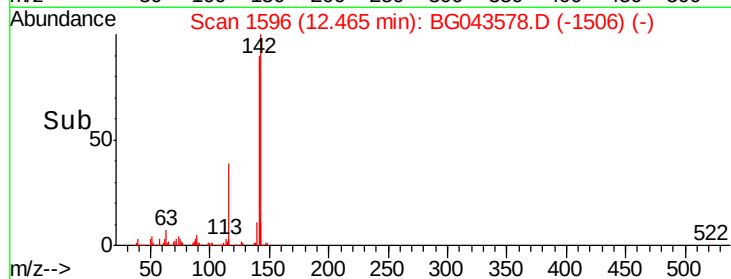
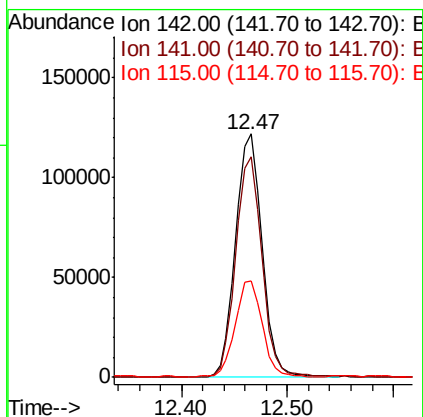
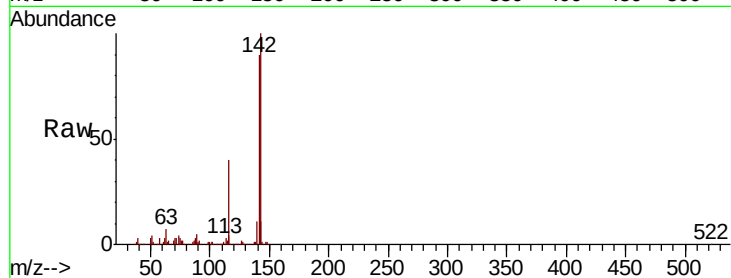




#37
2-Methylnaphthalene
Concen: 46.212 ng
RT: 12.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

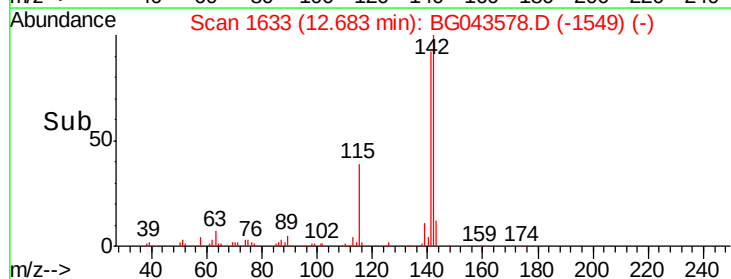
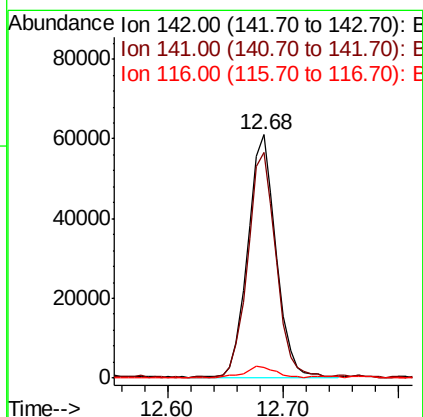
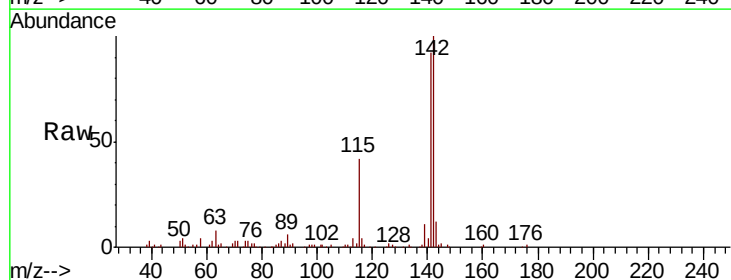
Instrument :
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SB-22-(14-15)

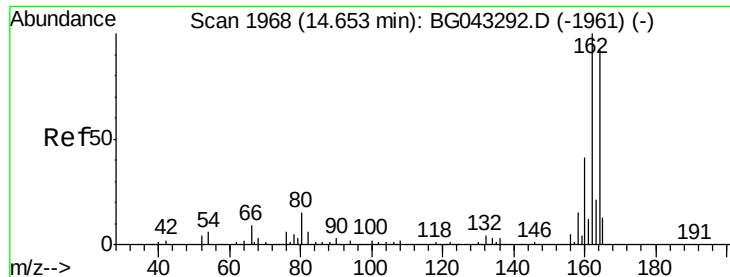
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.2	108.2
115	39.8	33.2	49.8



#38
1-Methylnaphthalene
Concen: 23.595 ng
RT: 12.68 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.2	109.8
116	4.2	3.6	5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

Instrument :

BNA_G

ClientSampleId :

SB-22-(14-15)

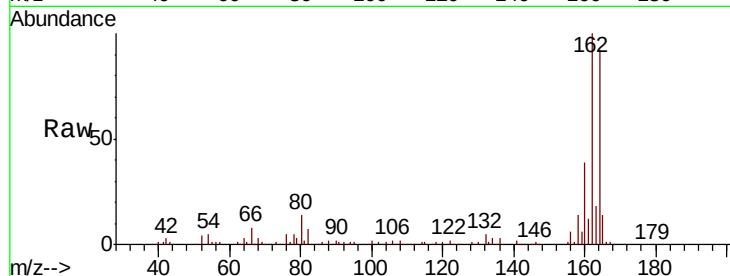
Tot Ion:164 Resp: 85696

Ion Ratio Lower Upper

164 100

162 108.5 83.5 125.3

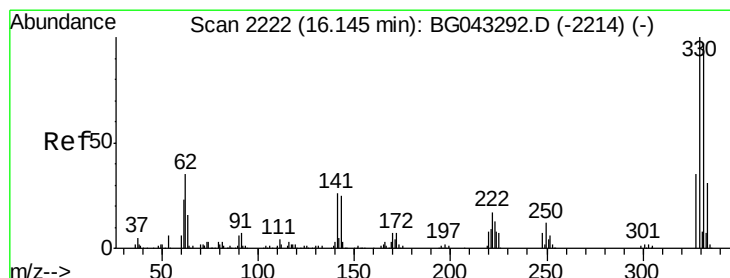
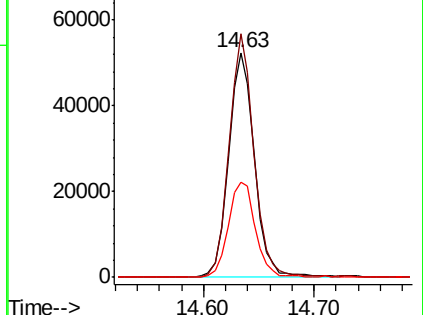
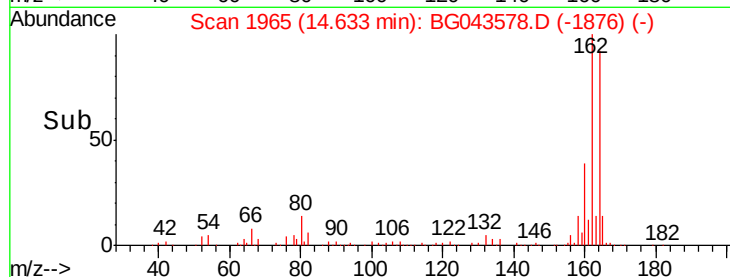
160 42.6 36.5 54.7



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: 85.290 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

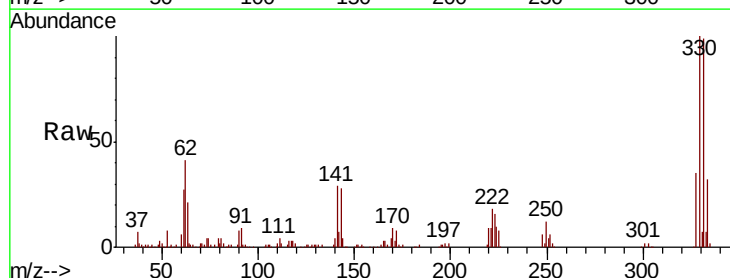
Tgt Ion:330 Resp: 139090

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

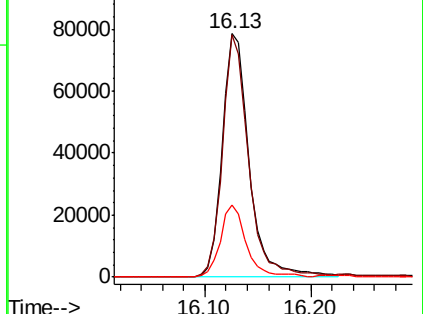
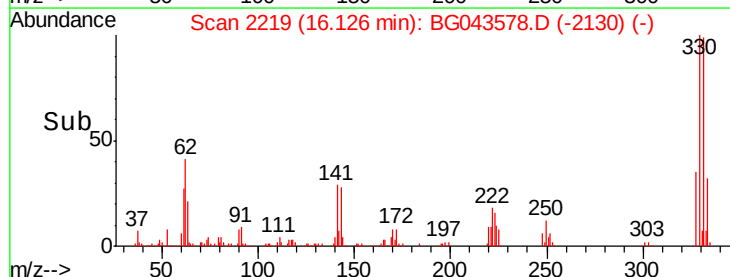
141 28.7 22.8 34.2

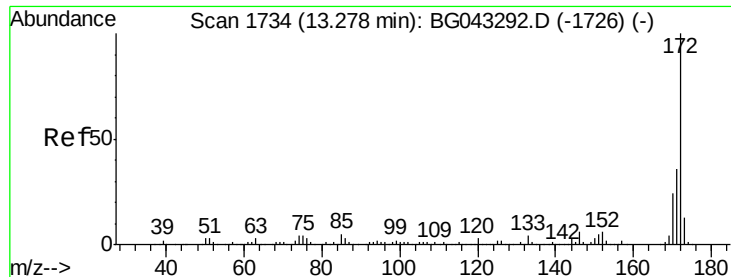


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

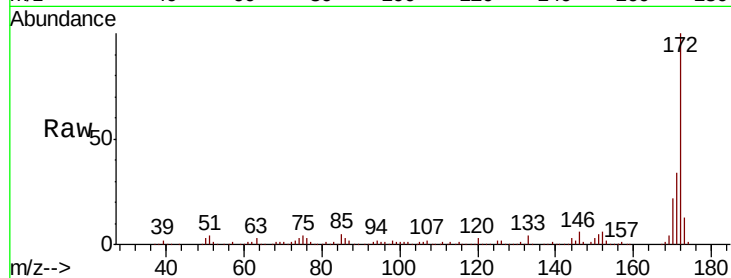




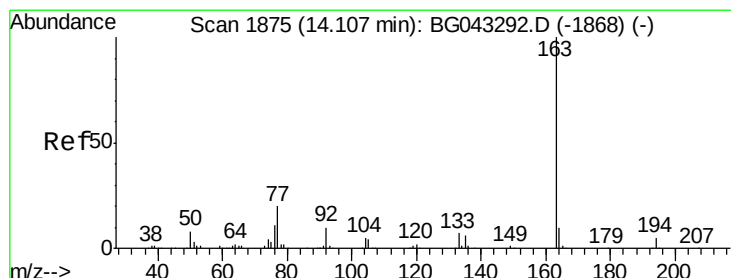
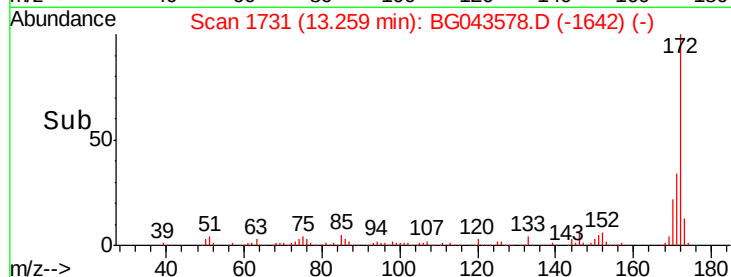
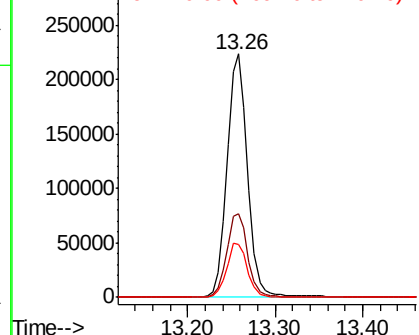
#45
2-Fluorobiphenyl
Concen: 58.511 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

Instrument :
BNA_G
ClientSampleId :
SB-22-(14-15)

Tot Ion:172 Resp: 362873
Ion Ratio Lower Upper
172 100
171 34.2 28.9 43.3
170 21.7 18.5 27.7

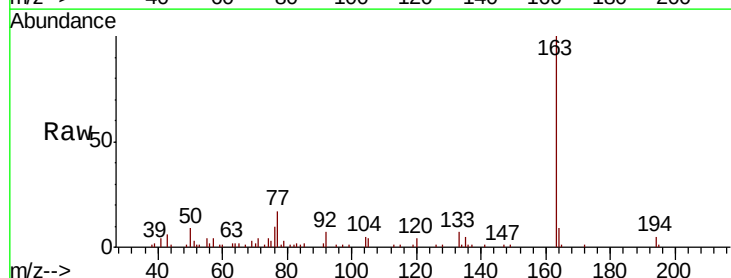


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

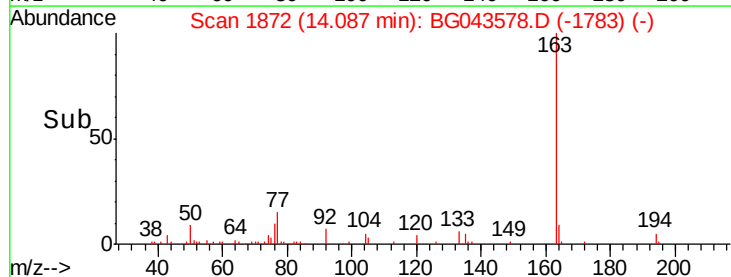
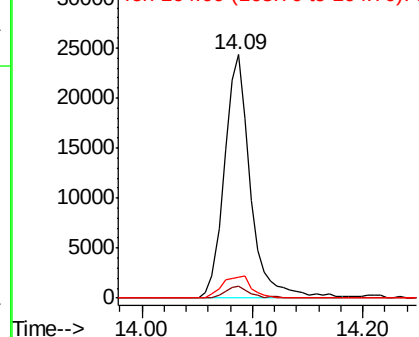


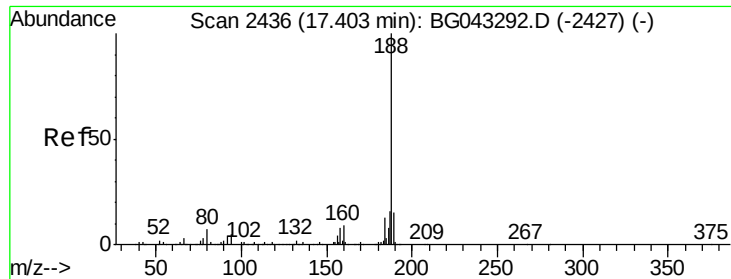
#50
Dimethylphthalate
Concen: 6.032 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG043578.D
Acq: 8 Nov 2019 20:37

Tgt Ion:163 Resp: 40042
Ion Ratio Lower Upper
163 100
194 4.9 3.8 5.6
164 8.7 8.9 13.3#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

Instrument :

BNA_G

ClientSampleId :

SB-22-(14-15)

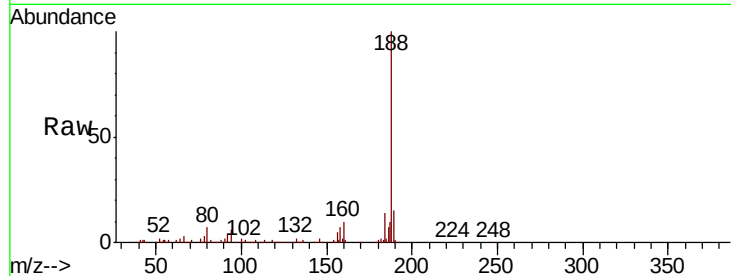
Tot Ion:188 Resp: 206459

Ion Ratio Lower Upper

188 100

94 6.3 4.2 6.4

80 6.8 4.5 6.7#

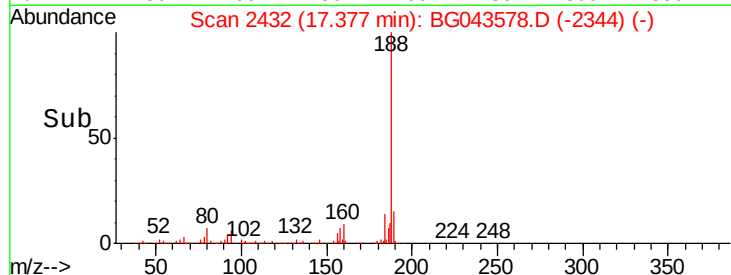


Abundance Ion 188.00 (187.70 to 188.70): E

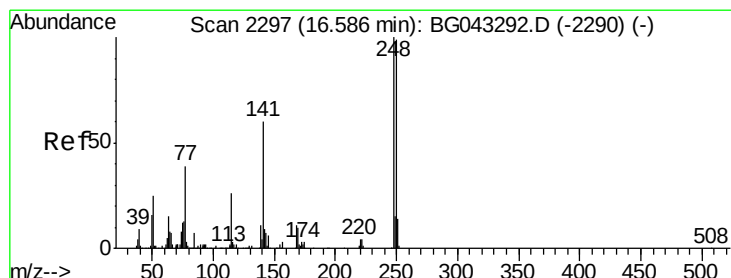
Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

17.38



Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.106 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

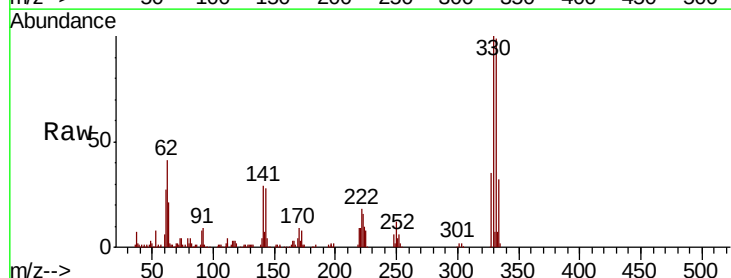
Tgt Ion:248 Resp: 8630

Ion Ratio Lower Upper

248 100

250 184.4 77.0 115.4#

141 457.2 47.5 71.3#

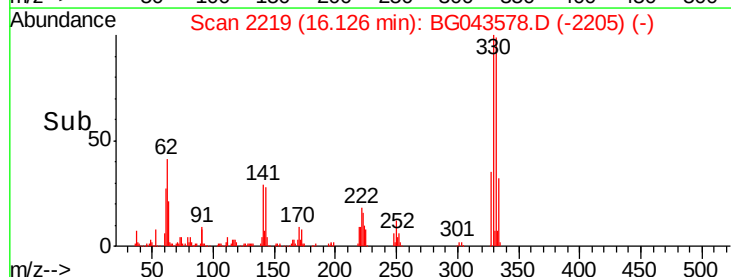


Abundance Ion 248.00 (247.70 to 248.70): E

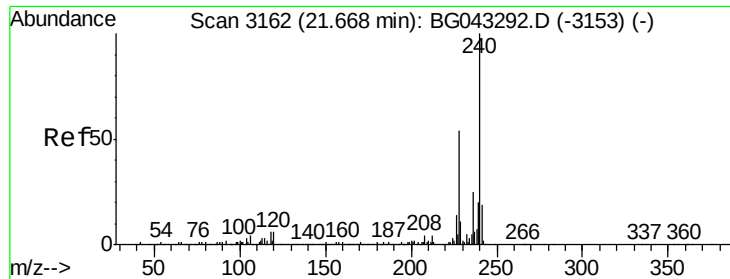
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.13



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

Instrument :

BNA_G

ClientSampleId :

SB-22-(14-15)

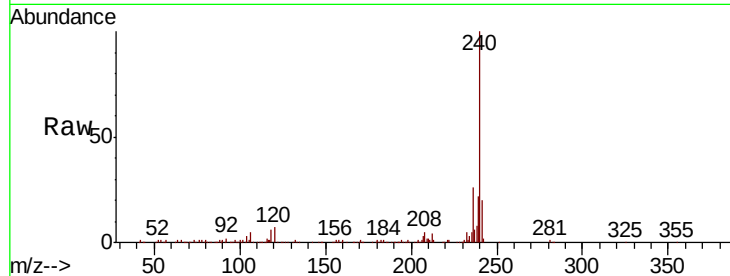
Tot Ion:240 Resp: 208828

Ion Ratio Lower Upper

240 100

120 6.6 4.6 6.8

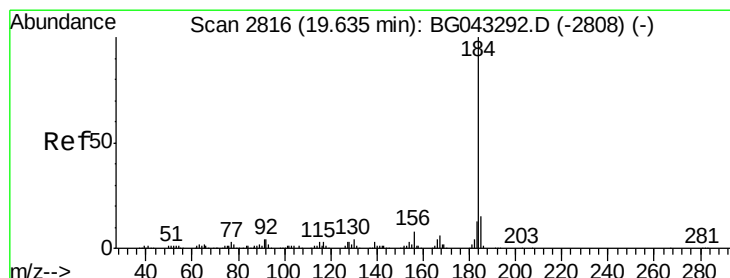
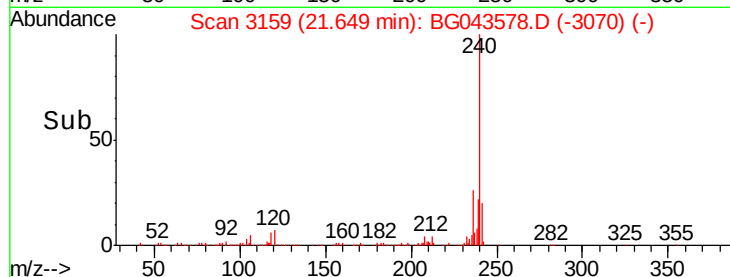
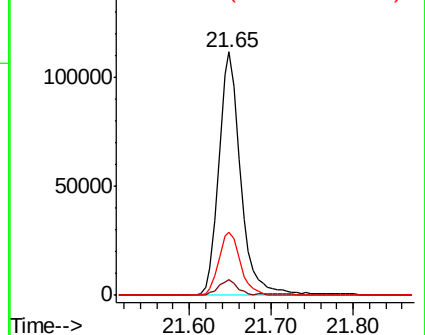
236 25.8 19.8 29.8



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

Benzidine

Concen: 2.254 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.37 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

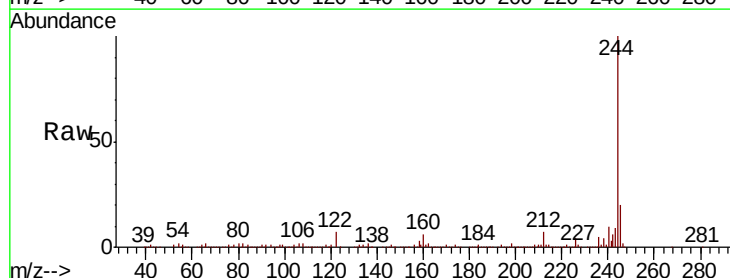
Tgt Ion:184 Resp: 9473

Ion Ratio Lower Upper

184 100

185 14.2 11.0 16.4

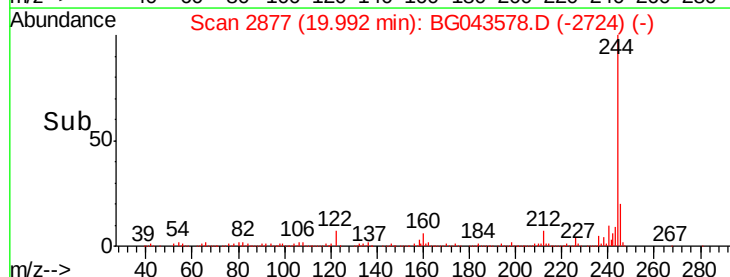
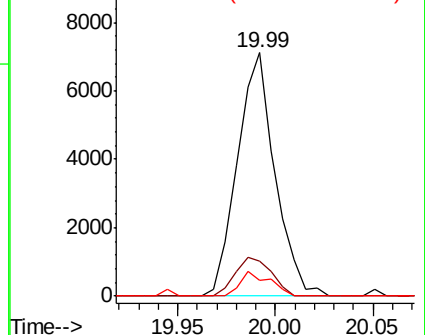
183 6.4 10.0 15.0#

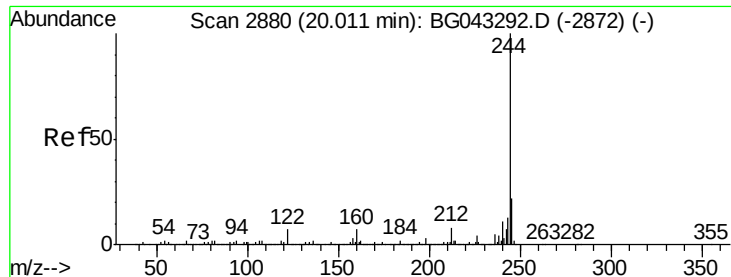


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 64.313 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

Instrument :

BNA_G

ClientSampleId :

SB-22-(14-15)

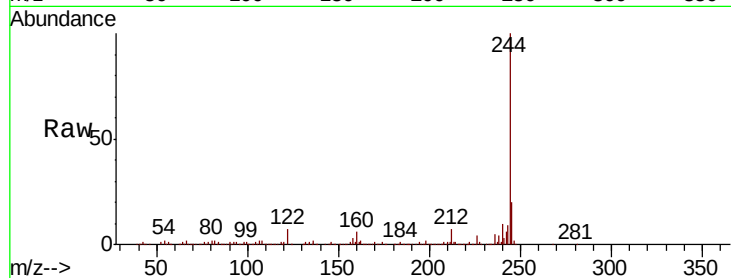
Tot Ion:244 Resp: 715879

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	6.8	5.4	8.2

244 100

212 6.7 5.8 8.6

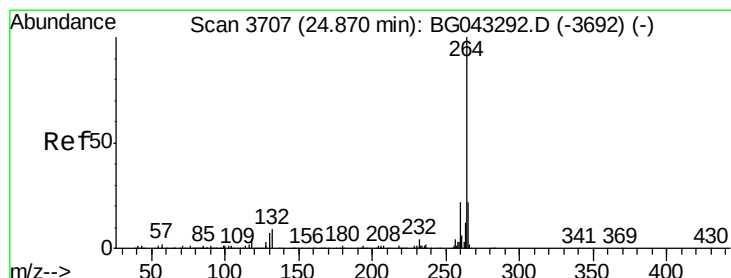
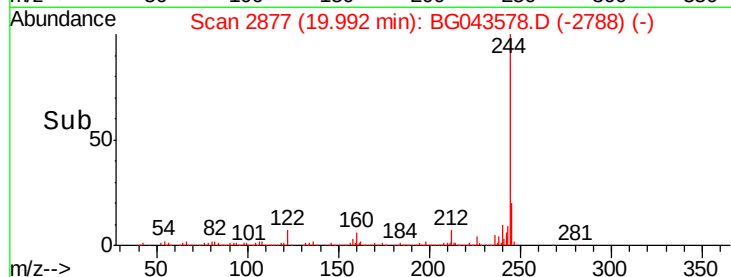
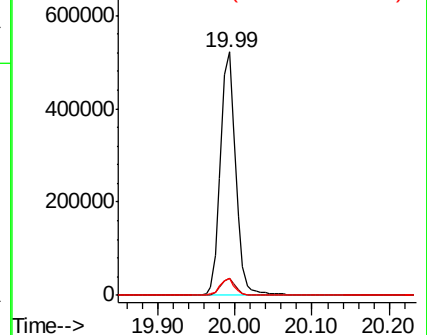
122 6.8 5.4 8.2



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: 24.84 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG043578.D

Acq: 8 Nov 2019 20:37

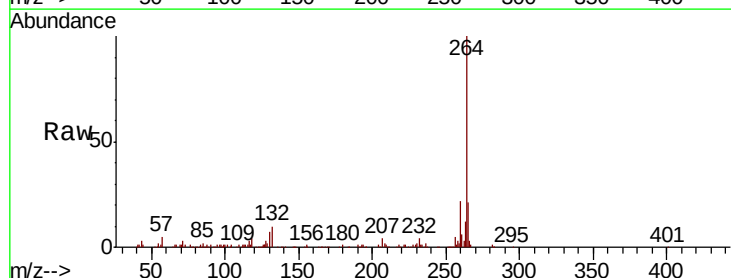
Tgt Ion:264 Resp: 239987

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.5	26.3
265	21.4	17.4	26.0

264 100

260 22.3 17.5 26.3

265 21.4 17.4 26.0



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

