

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
 Data File : BG041017.D
 Acq On : 1 Jun 2019 18:05
 Operator : HP/JU
 Sample : K3106-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 01:14:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	61924	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	255986	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	182544	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	443086	20.00	ng	0.00
76) Chrysene-d12	21.77	240	443352	20.00	ng	-0.01
87) Perylene-d12	25.12	264	461258	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	207001	60.28	ng	0.00
7) Phenol-d6	7.26	99	187625	35.38	ng	0.00
23) Nitrobenzene-d5	9.30	82	490175	85.01	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	361764	133.49	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1144136	90.26	ng	0.00
79) Terphenyl-d14	20.09	244	1852690	88.69	ng	0.00

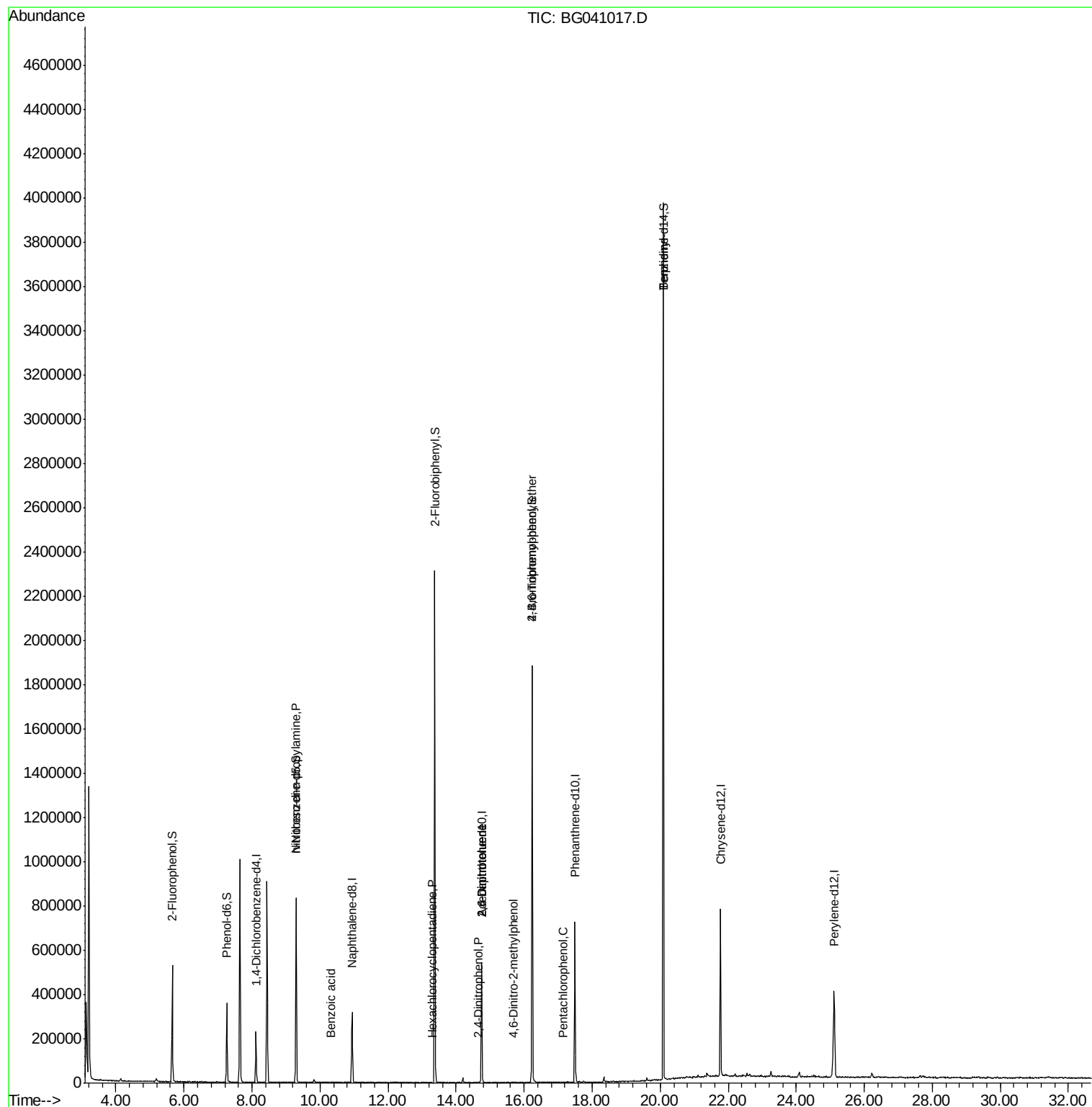
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	71402	17.494	ng	# 74
32) Benzoic acid	10.32	122	88	8.154	ng	# 1
41) Hexachlorocyclopentadiene	13.31	237	71	8.251	ng	# 26
51) 2,6-Dinitrotoluene	14.75	165	24891	7.471	ng	# 19
54) 2,4-Dinitrophenol	14.65	184	58	8.293	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	24891	5.289	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.69	198	63	8.611	ng	# 36
67) 4-Bromophenyl-phenylether	16.24	248	27139	4.539	ng	# 1
70) Pentachlorophenol	17.14	266	88	4.280	ng	# 18
77) Benzidine	20.09	184	32975	3.118	ng	# 94

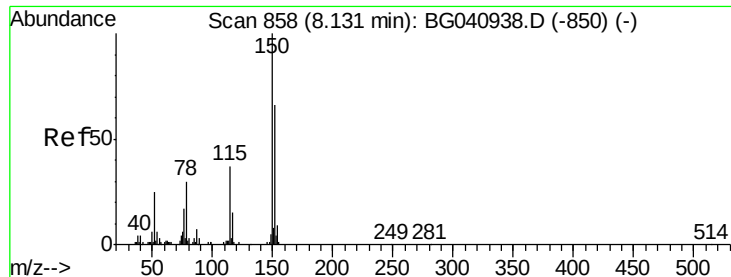
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060119\
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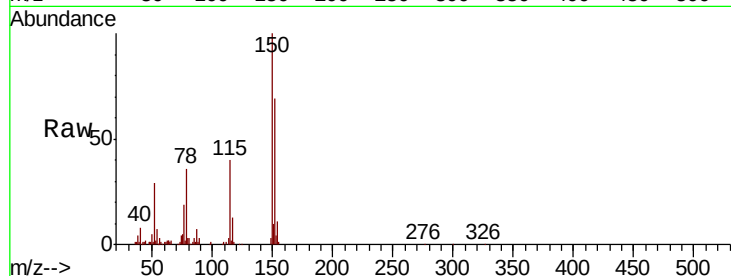


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.0	120.6	180.8
115	58.5	45.1	67.7

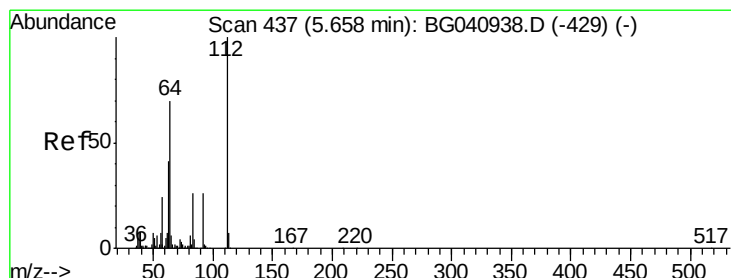
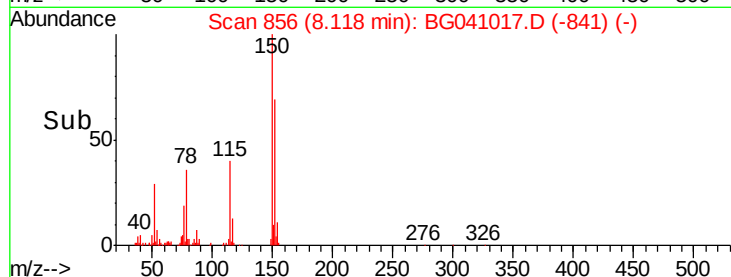
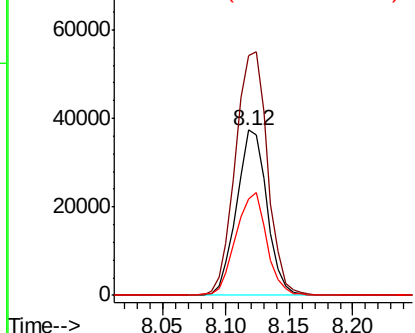


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

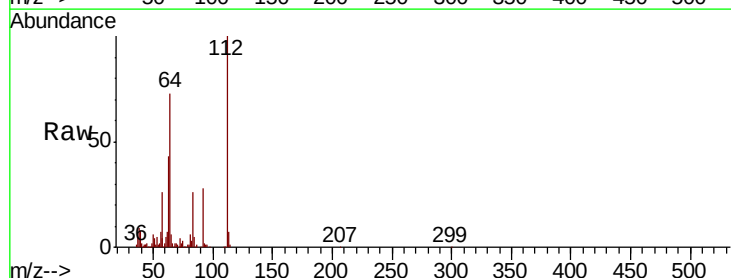
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 60.278 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.2	56.2	84.2
63	43.0	32.8	49.2

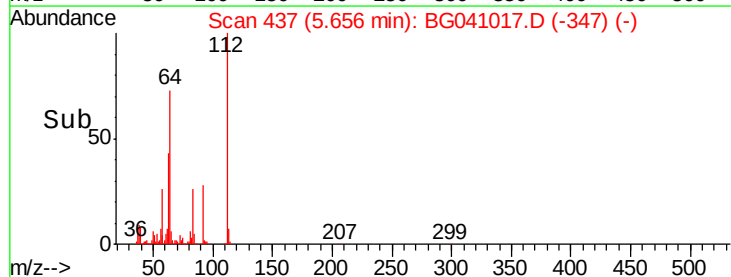
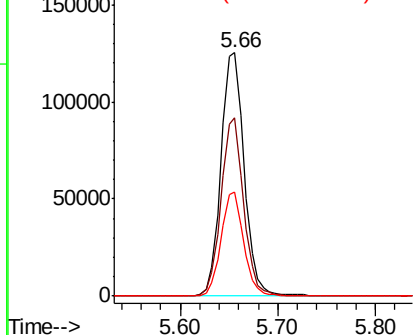


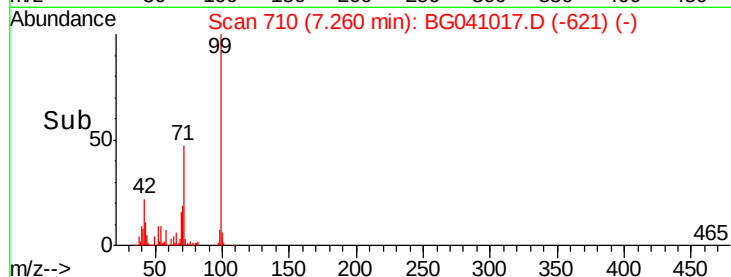
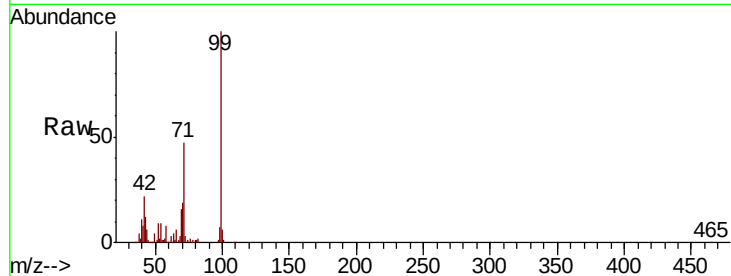
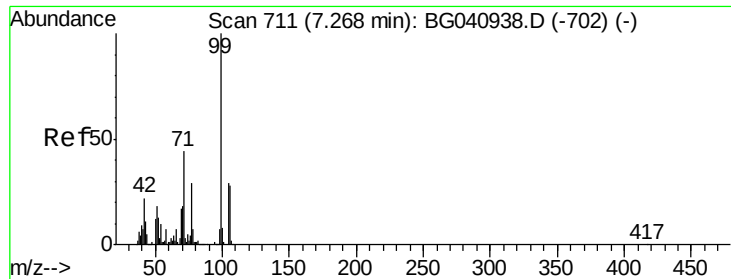
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 35.377 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG041017.D

Acq: 1 Jun 2019 18:05

Instrument :

BNA_G

ClientSampleId :

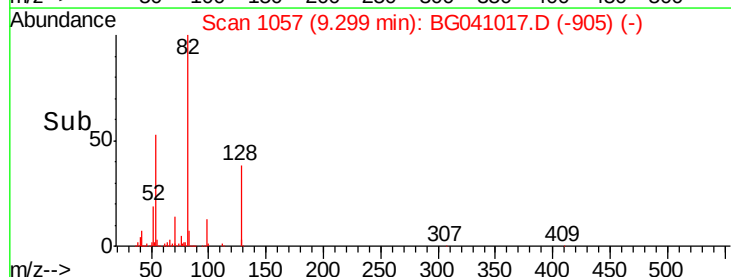
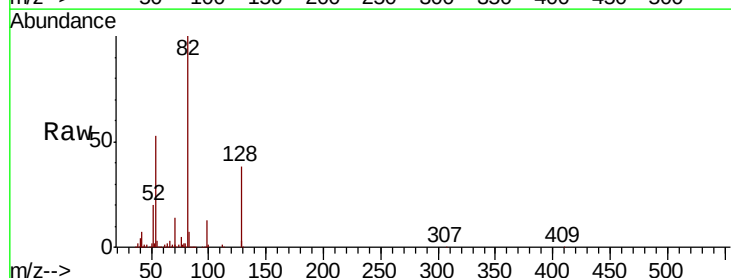
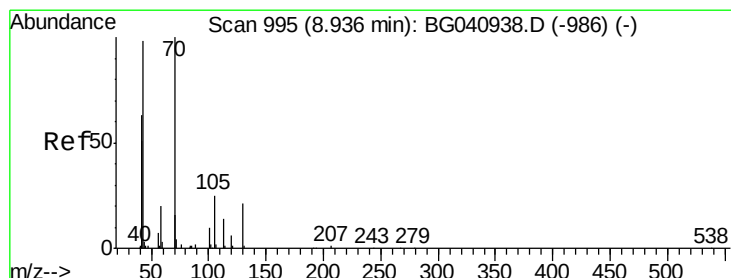
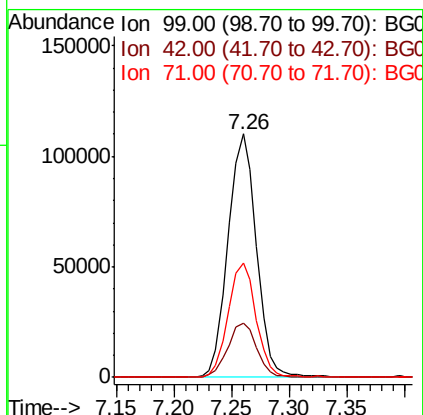
Tot Ion: 99 Resp: 187625

Ion Ratio Lower Upper

99 100

42 22.1 17.9 26.9

71 46.9 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.494 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG041017.D

Acq: 1 Jun 2019 18:05

Tgt Ion: 70 Resp: 71402

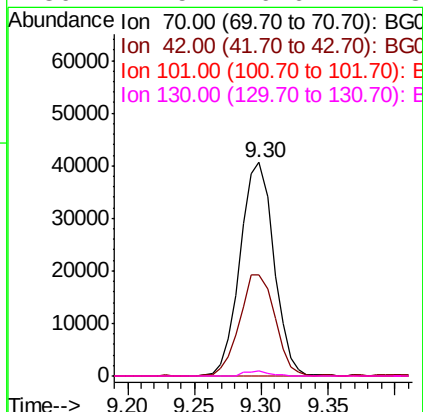
Ion Ratio Lower Upper

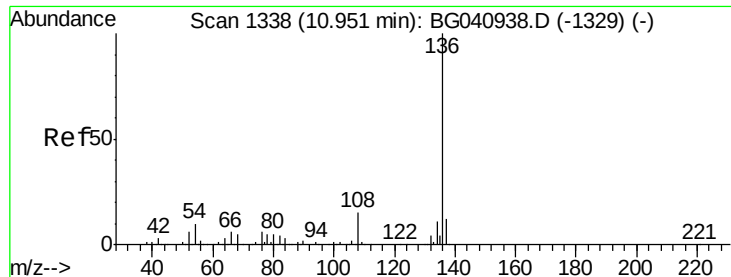
70 100

42 47.4 51.5 77.3#

101 0.0 8.1 12.1#

130 2.5 16.6 24.8#

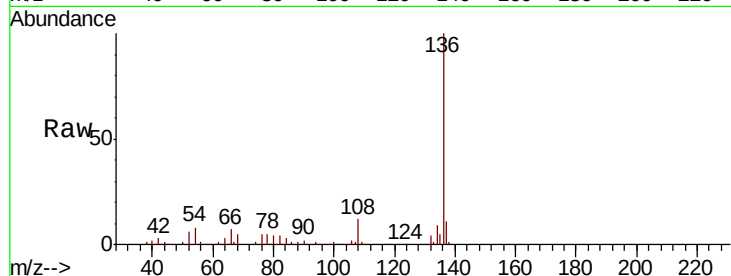




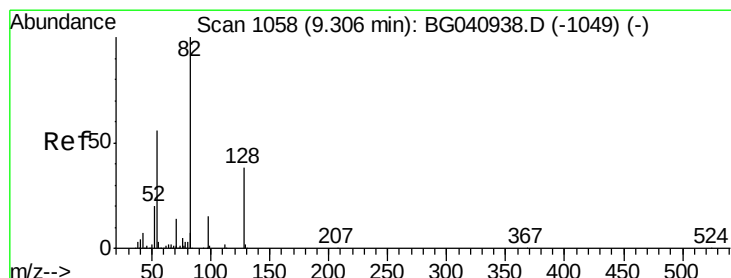
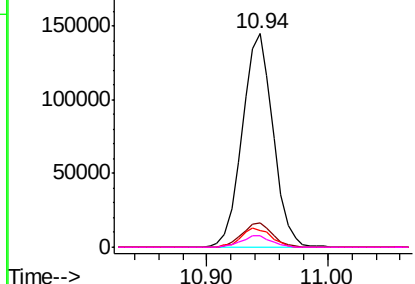
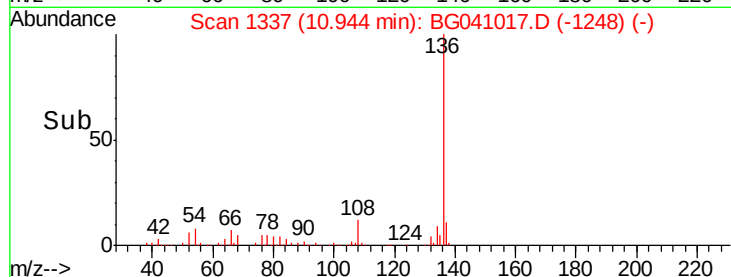
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	255986
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.5 14.3
54	7.7	7.6 11.4
68	5.2	3.9 5.9

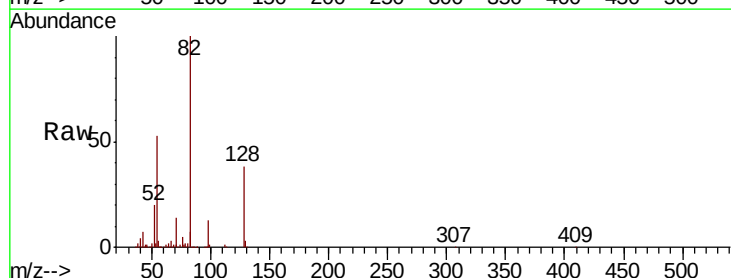


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

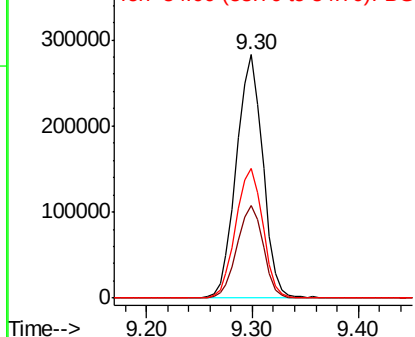
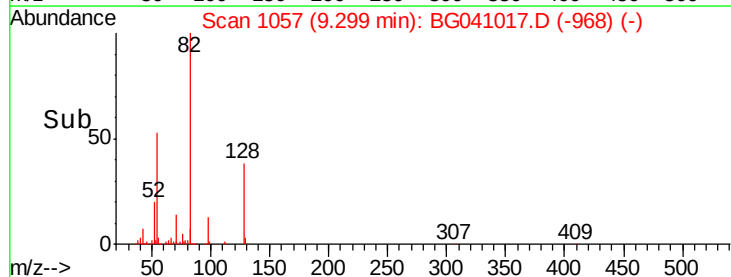


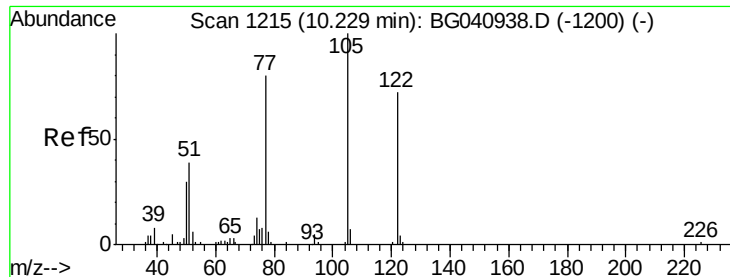
#23
Nitrobenzene-d5
Concen: 85.007 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Tgt Ion: 82	Resp:	490175
Ion Ratio	Lower	Upper
82	100	
128	37.8	30.5 45.7
54	53.2	44.6 66.8



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

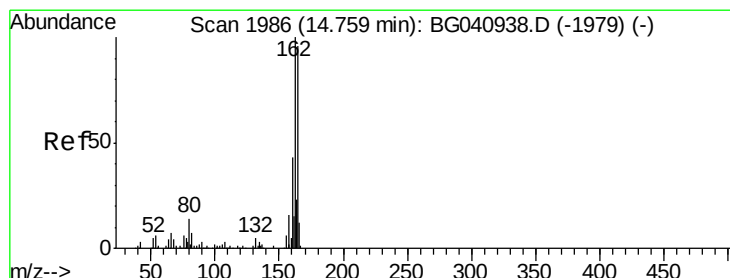
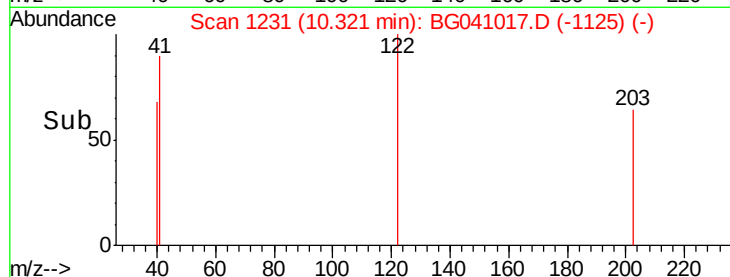
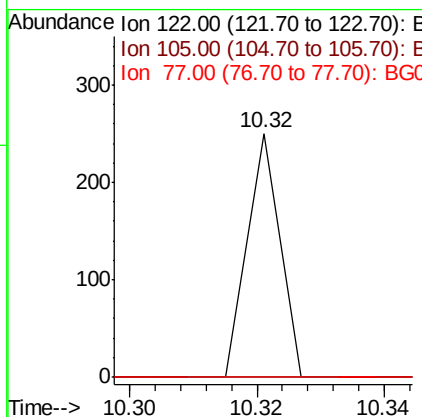
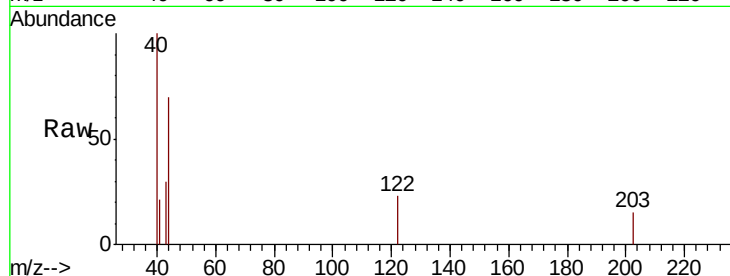




#32
Benzoic acid
Concen: 8.154 ng
RT: 10.32 min Scan# 1231
Delta R.T. 0.09 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

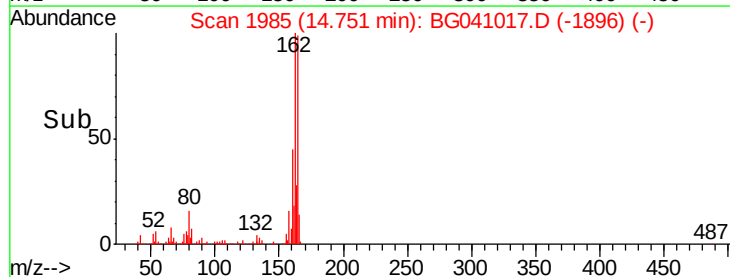
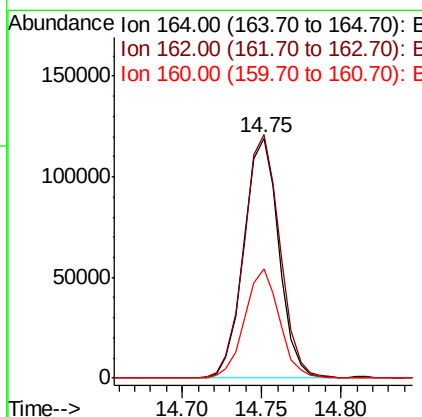
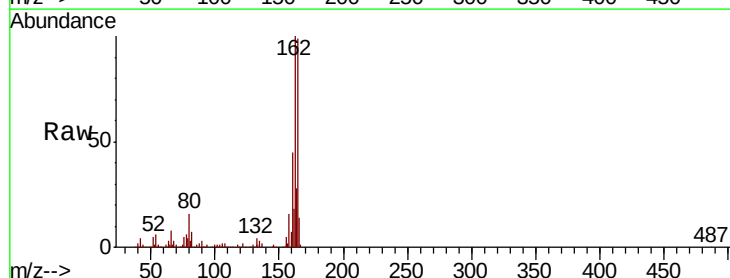
Instrument :
BNA_G
ClientSampleId :

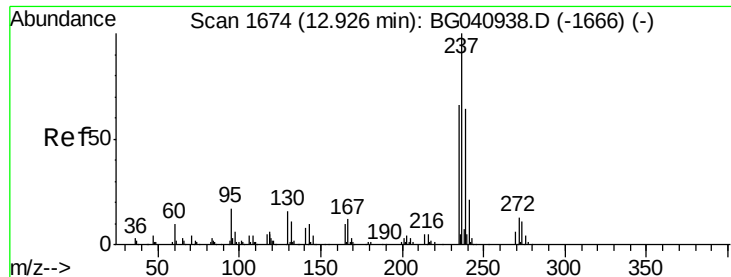
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.0	124.4
160	45.6	35.6	53.4

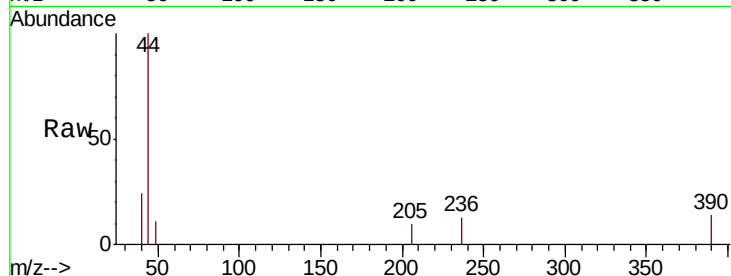




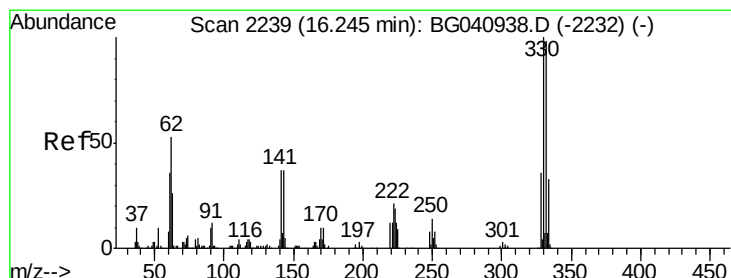
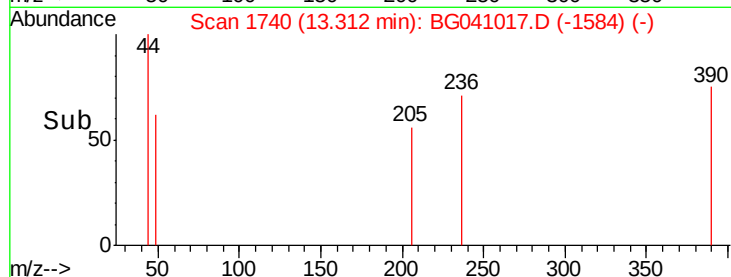
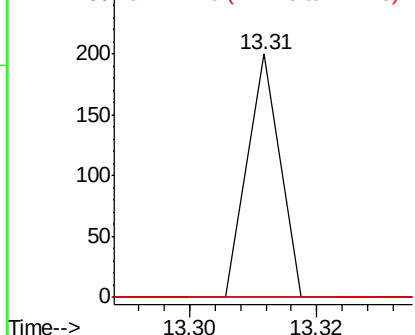
#41
Hexachlorocyclopentadiene
Concen: 8.251 ng
RT: 13.31 min Scan# 1740
Delta R.T. 0.39 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:237 Resp: 71
Ion Ratio Lower Upper
237 100
235 0.0 45.5 85.5#
272 0.0 0.0 32.9

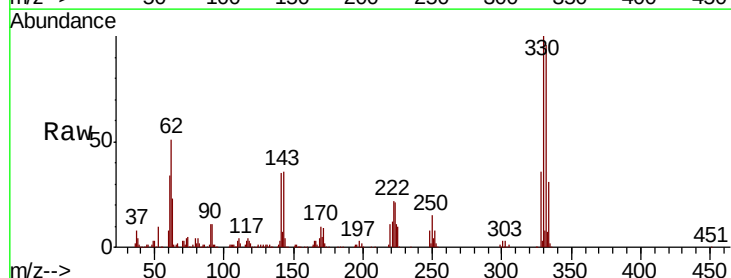


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

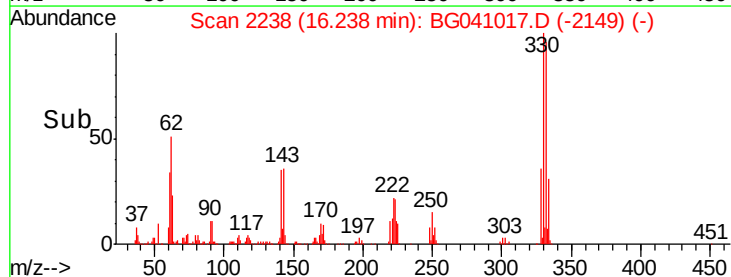
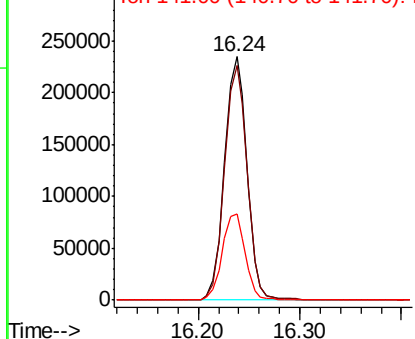


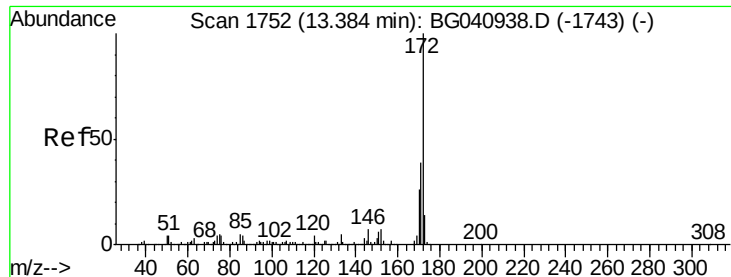
#42
2,4,6-Tribromophenol
Concen: 133.493 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Tgt Ion:330 Resp: 361764
Ion Ratio Lower Upper
330 100
332 97.0 78.5 117.7
141 36.3 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

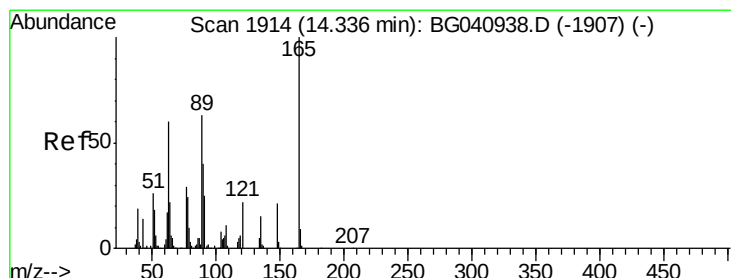
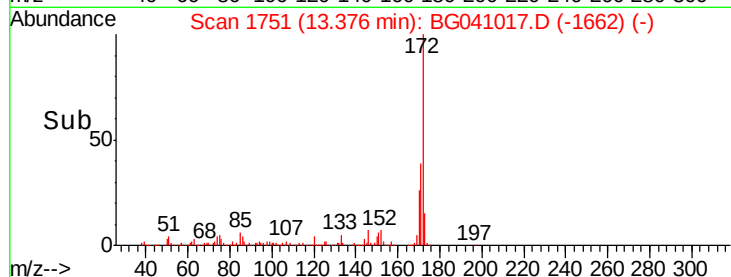
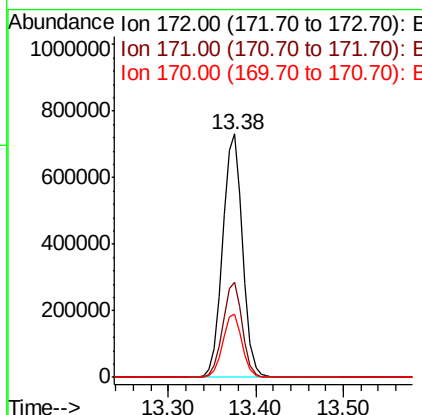
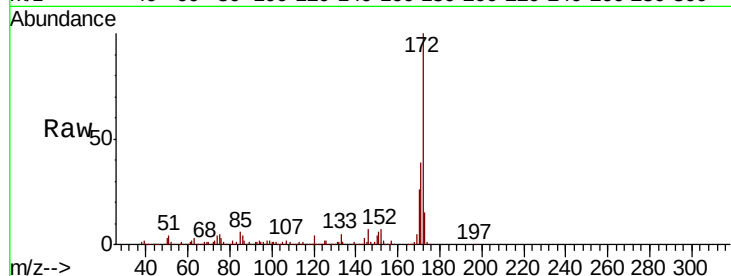




#45
2-Fluorobiphenyl
Concen: 90.262 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

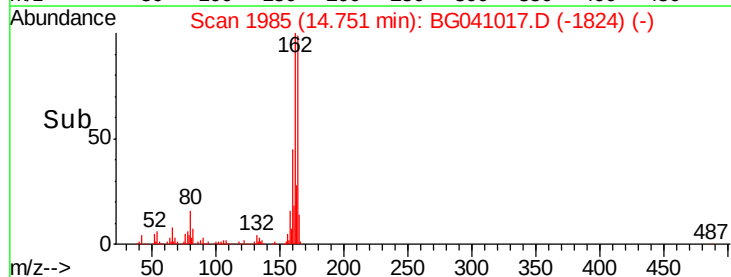
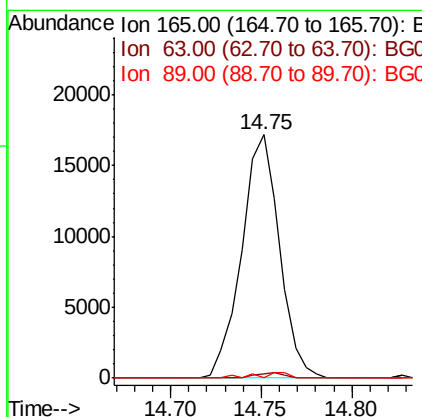
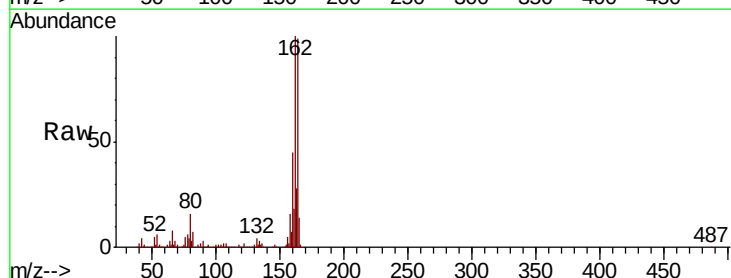
Instrument :
BNA_G
ClientSampled :

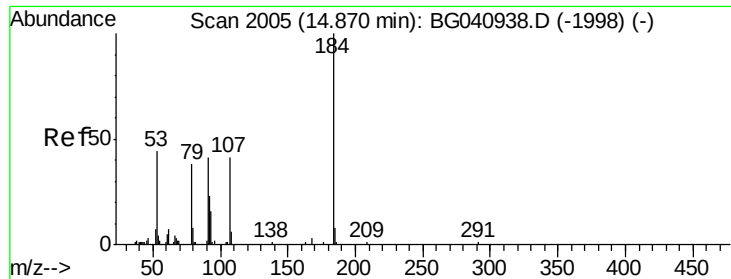
Tot Ion:172 Resp: 1144136
Ion Ratio Lower Upper
172 100
171 38.9 31.1 46.7
170 26.0 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.471 ng
RT: 14.75 min Scan# 1985
Delta R.T. 0.42 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Tgt Ion:165 Resp: 24891
Ion Ratio Lower Upper
165 100
63 1.8 53.6 80.4#
89 0.0 50.4 75.6#

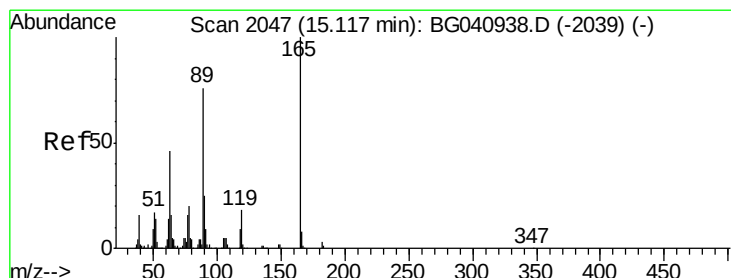
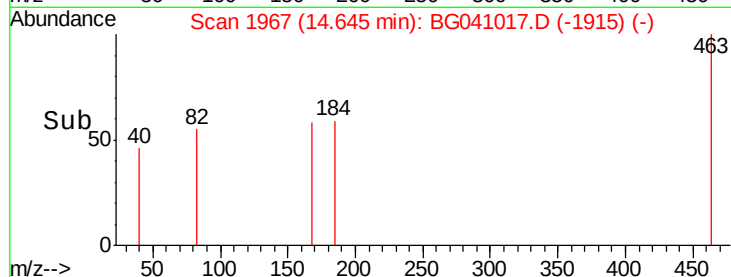
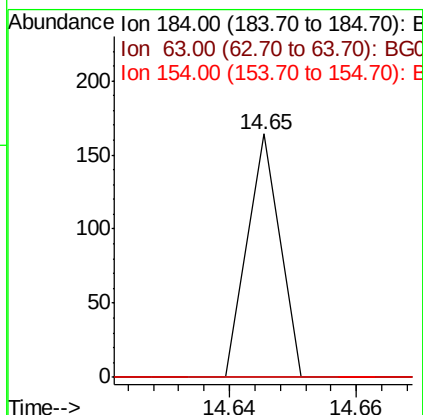
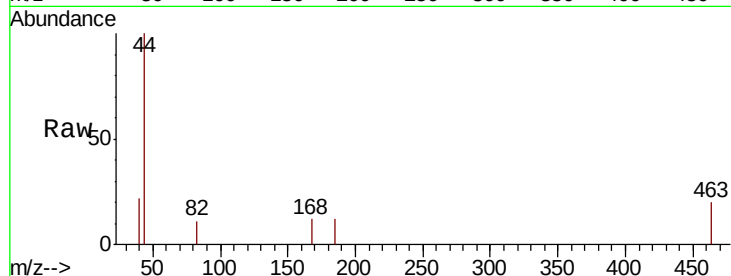




#54
 2,4-Dinitrophenol
 Concen: 8.293 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.22 min
 Lab File: BG041017.D
 Acq: 1 Jun 2019 18:05

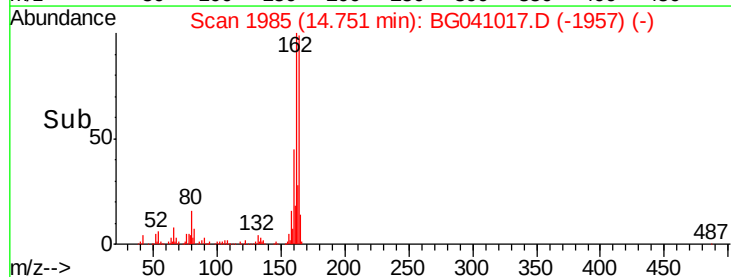
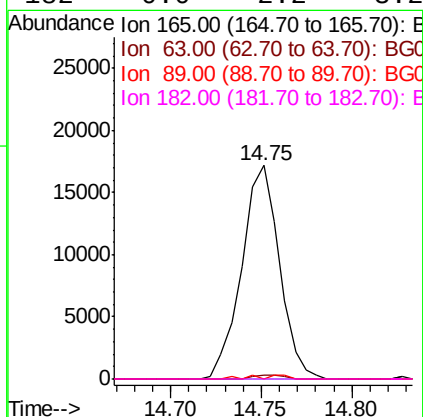
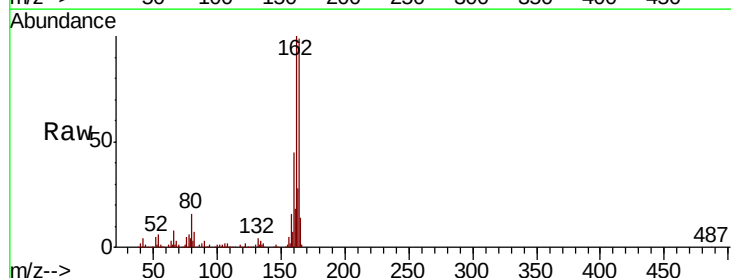
Instrument :
 BNA_G
 ClientSampled :

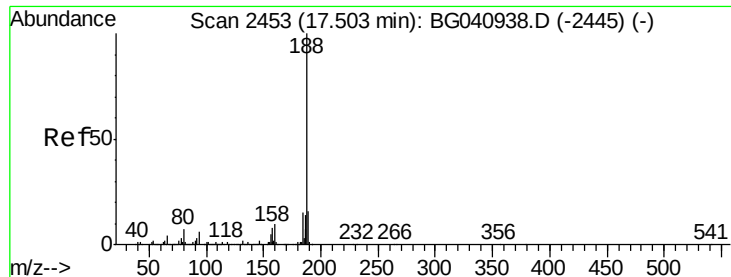
Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.8	74.6#
154	0.0	52.2	78.4#



#57
 2,4-Dinitrotoluene
 Concen: 5.289 ng
 RT: 14.75 min Scan# 1985
 Delta R.T. -0.37 min
 Lab File: BG041017.D
 Acq: 1 Jun 2019 18:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	37.3	55.9#
89	0.0	61.0	91.6#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041017.D

Acq: 1 Jun 2019 18:05

Instrument :

BNA_G

ClientSampleId :

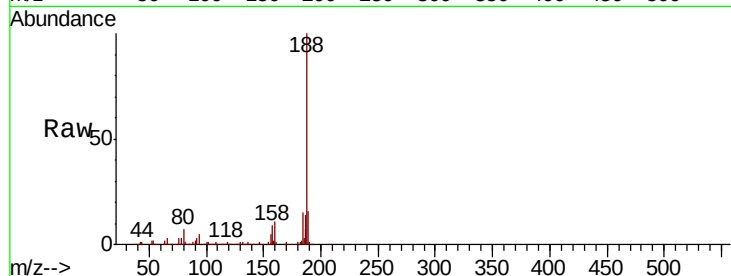
Tot Ion:188 Resp: 443086

Ion Ratio Lower Upper

188 100

94 5.3 4.7 7.1

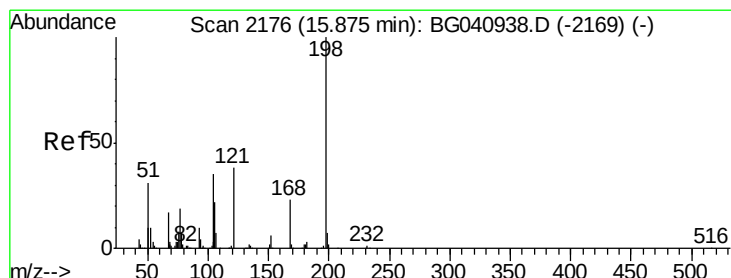
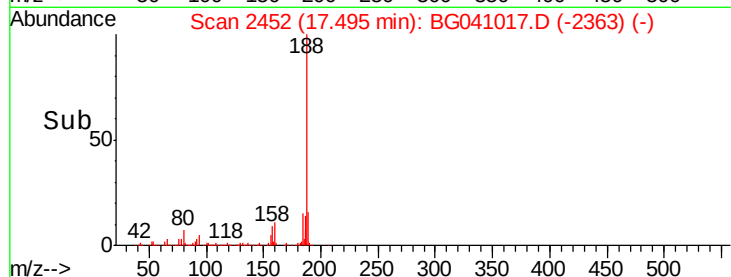
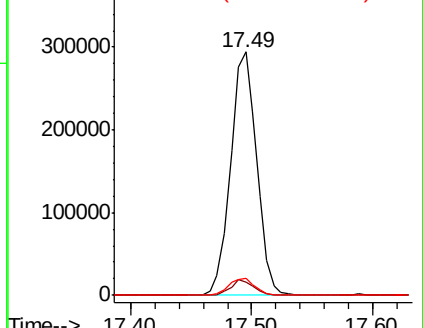
80 6.8 5.8 8.8



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: 8.611 ng

RT: 15.69 min Scan# 2144

Delta R.T. -0.19 min

Lab File: BG041017.D

Acq: 1 Jun 2019 18:05

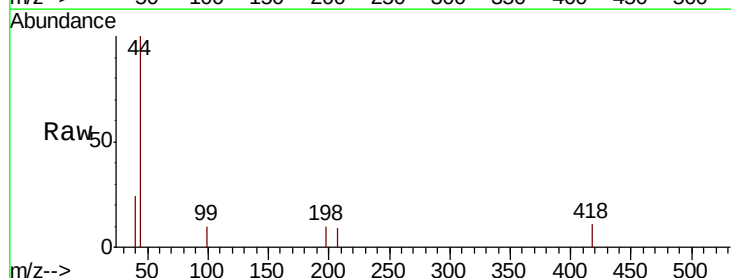
Tgt Ion:198 Resp: 63

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

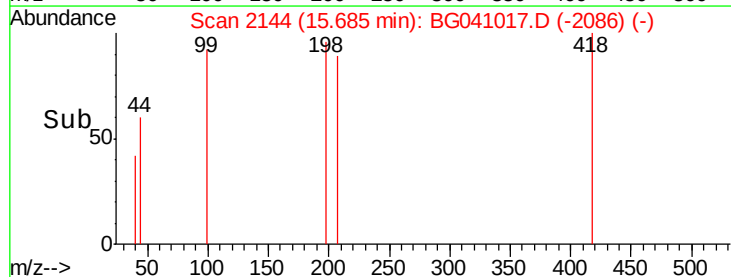
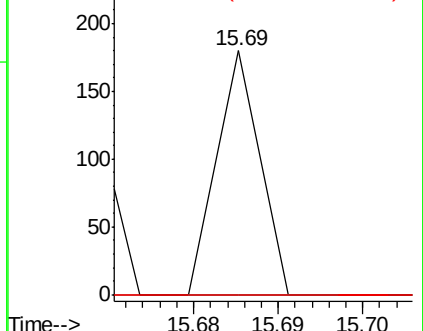
105 0.0 17.5 57.5#

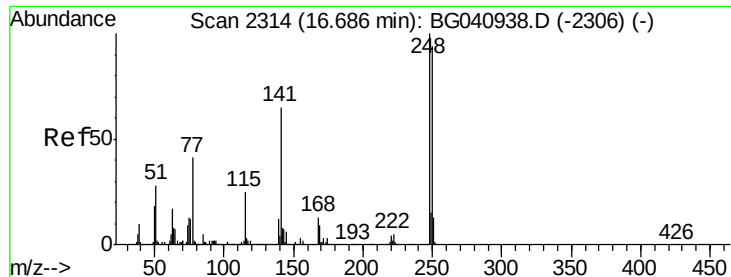


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.539 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG041017.D

Acq: 1 Jun 2019 18:05

Instrument :

BNA_G

ClientSampleId :

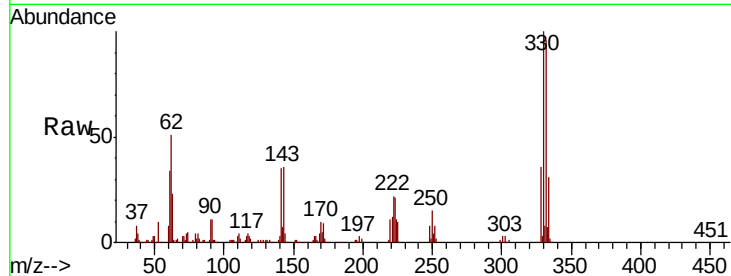
Tot Ion:248 Resp: 27139

Ion Ratio Lower Upper

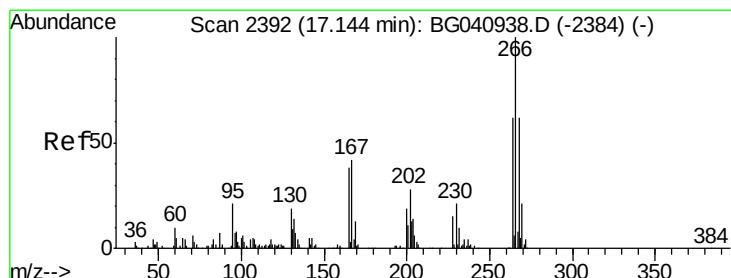
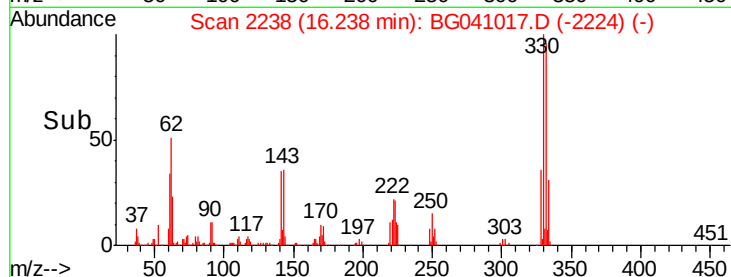
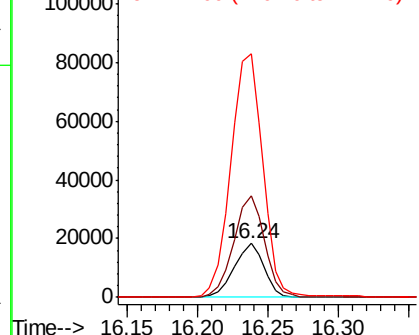
248 100

250 189.1 75.0 112.4#

141 452.4 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: 4.280 ng

RT: 17.14 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BG041017.D

Acq: 1 Jun 2019 18:05

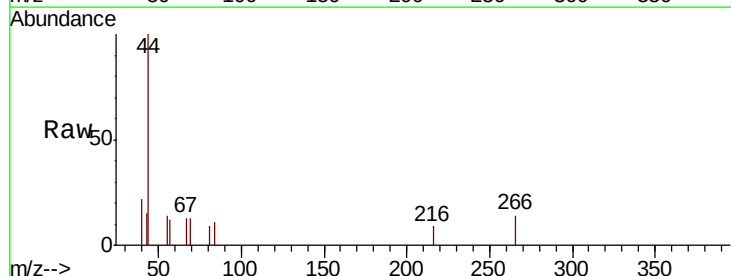
Tgt Ion:266 Resp: 88

Ion Ratio Lower Upper

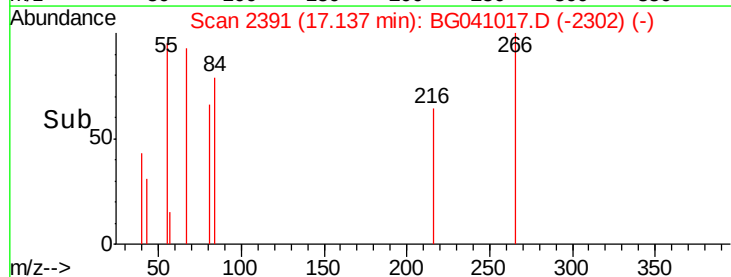
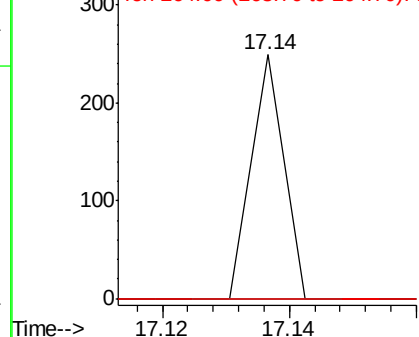
266 100

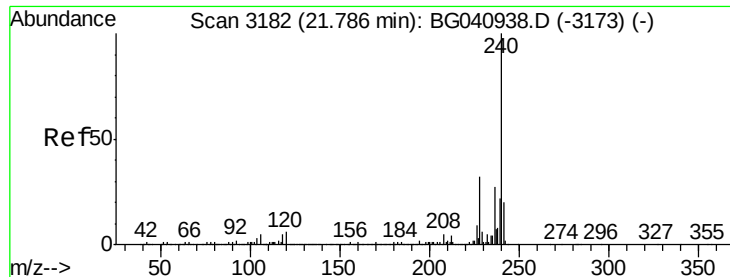
268 0.0 53.1 79.7#

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

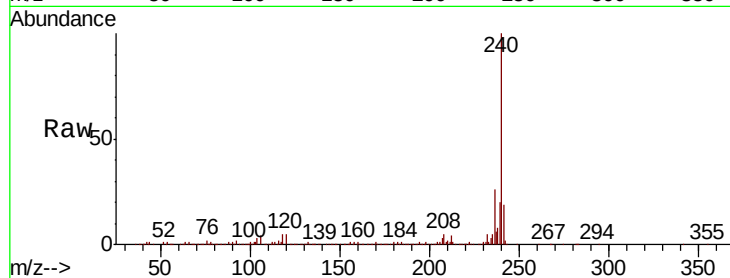




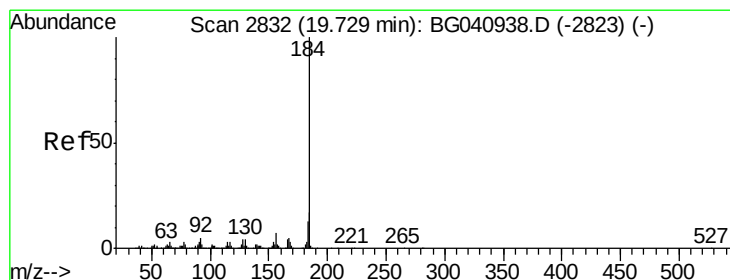
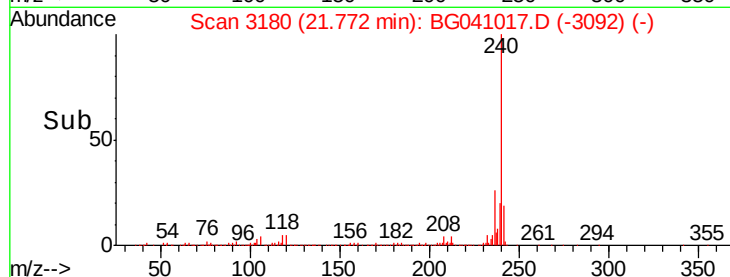
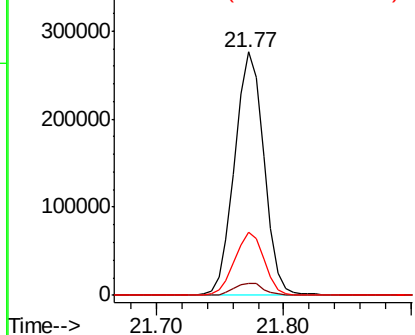
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 443352
Ion Ratio Lower Upper
240 100
120 4.8 4.5 6.7
236 26.0 21.3 31.9

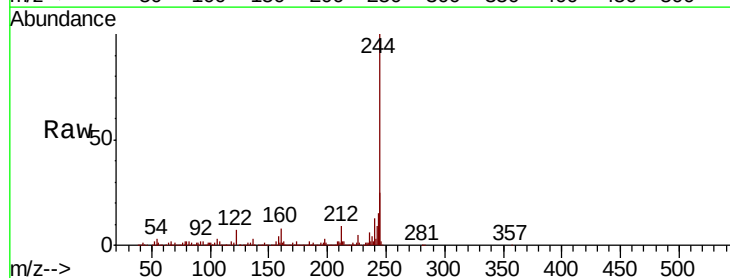


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

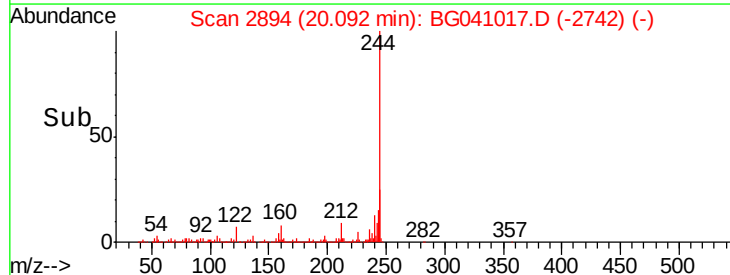
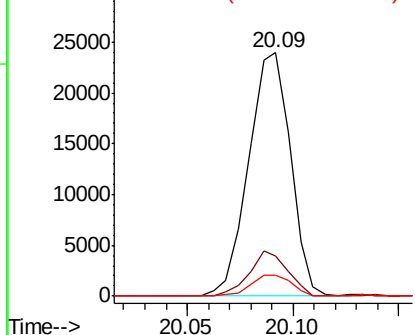


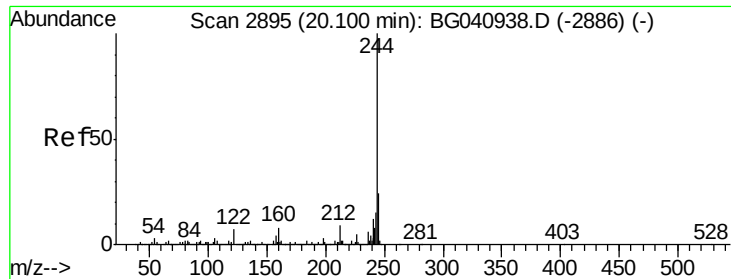
#77
Benzidine
Concen: 3.118 ng
RT: 20.09 min Scan# 2894
Delta R.T. 0.36 min
Lab File: BG041017.D
Acq: 1 Jun 2019 18:05

Tgt Ion:184 Resp: 32975
Ion Ratio Lower Upper
184 100
185 16.4 13.3 19.9
183 8.6 10.7 16.1#



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: 88.689 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041017.D

Acq: 1 Jun 2019 18:05

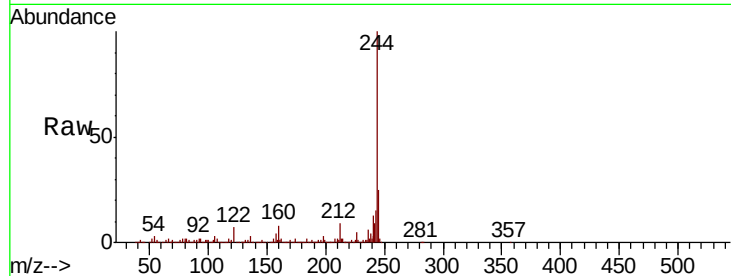
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1852690

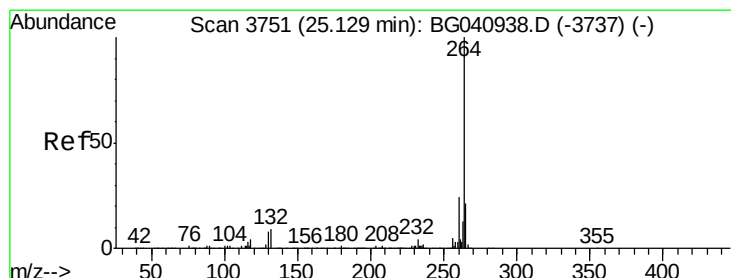
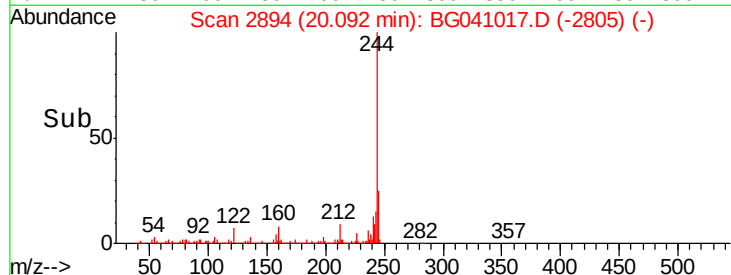
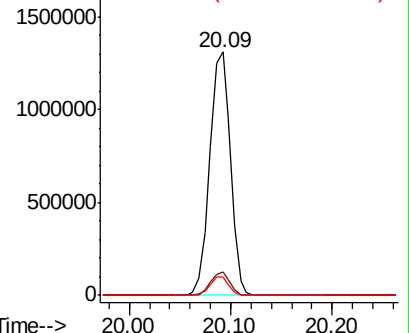
Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.0	10.4
122	7.5	5.4	8.0



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: 25.12 min Scan# 3749

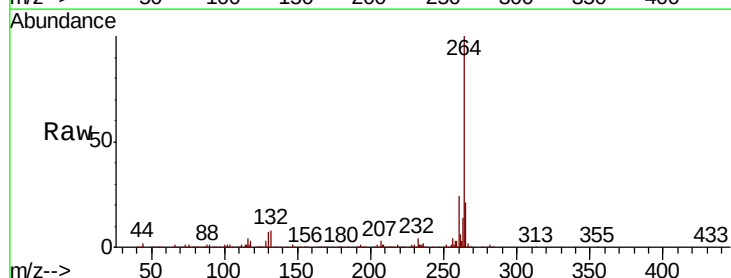
Delta R.T. -0.01 min

Lab File: BG041017.D

Acq: 1 Jun 2019 18:05

Tgt Ion:264 Resp: 461258

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	21.4	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

