

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
 Data File : BG042837.D
 Acq On : 14 Sep 2019 5:59
 Operator : HP/JU
 Sample : K4857-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 16 01:01:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	110528	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	422738	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	270499	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	558474	20.00	ng	0.00
76) Chrysene-d12	21.76	240	532305	20.00	ng	0.00
87) Perylene-d12	25.03	264	598955	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	654365	102.93	ng	0.00
7) Phenol-d6	7.27	99	974820	106.83	ng	0.00
23) Nitrobenzene-d5	9.28	82	615262	75.77	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	357327	99.29	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1123724	65.76	ng	0.00
79) Terphenyl-d14	20.09	244	1484622	61.81	ng	0.00

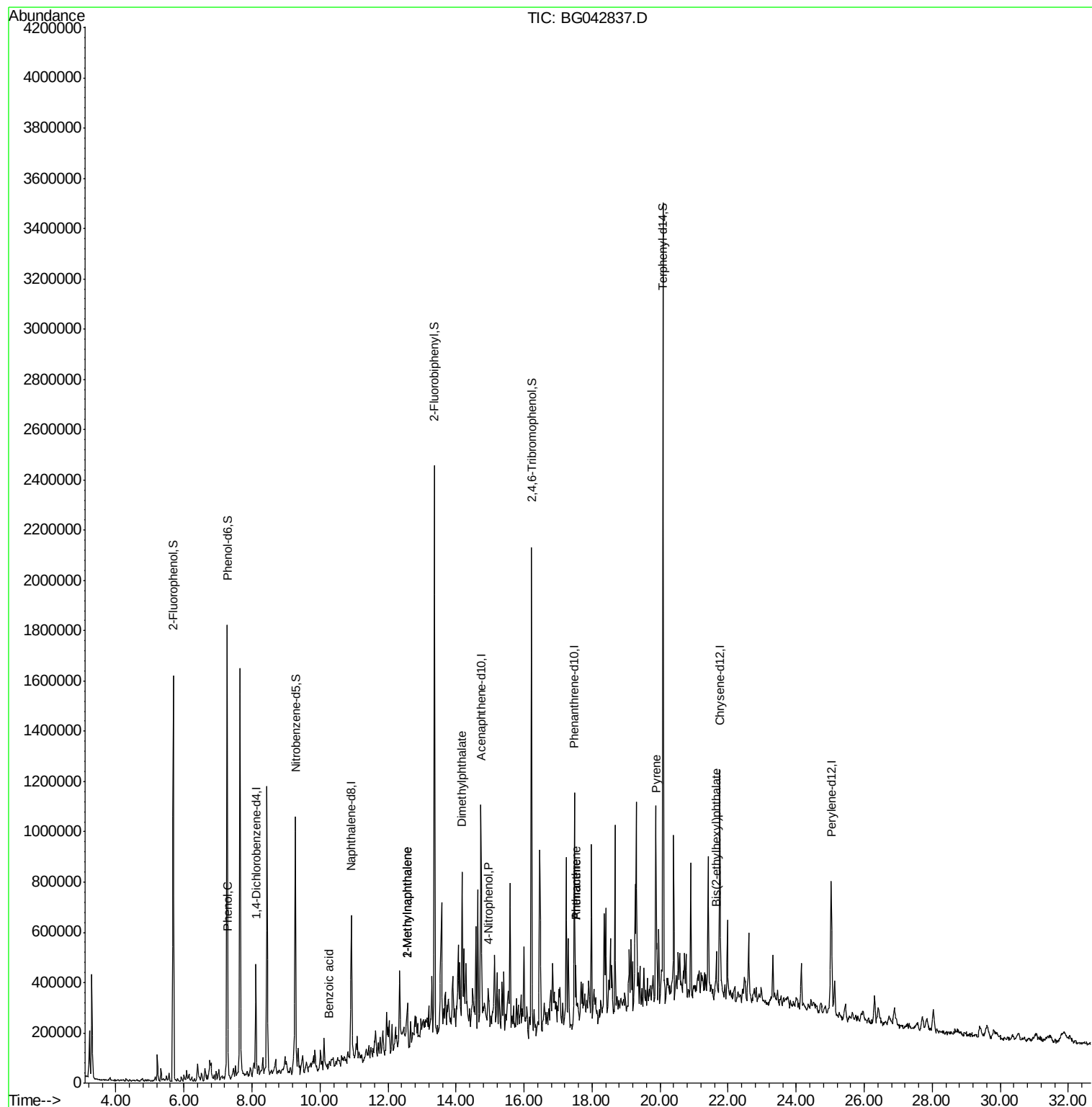
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.30	94	42773	4.571	ng	95
32) Benzoic acid	10.26	122	340	6.026	ng	91
37) 2-Methylnaphthalene	12.57	142	54125	3.462	ng	96
38) 1-Methylnaphthalene	12.57	142	54125	3.691	ng	98
50) Dimethylphthalate	14.18	163	96033	4.739	ng	# 85
56) 4-Nitrophenol	14.94	139	8254	2.288	ng	# 46
71) Phenanthrene	17.52	178	144148	5.397	ng	96
72) Anthracene	17.52	178	144148	5.402	ng	97
78) Pyrene	19.88	202	115968	3.480	ng	93
84) Bis(2-ethylhexyl)phthalate	21.65	149	65718	3.566	ng	99

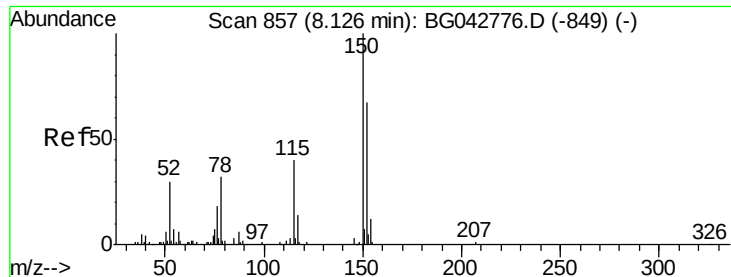
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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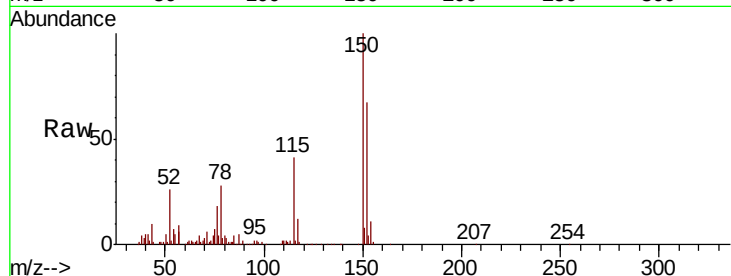


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042837.D
Acq: 14 Sep 2019 5:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.6	118.9	178.3
115	61.4	47.4	71.2

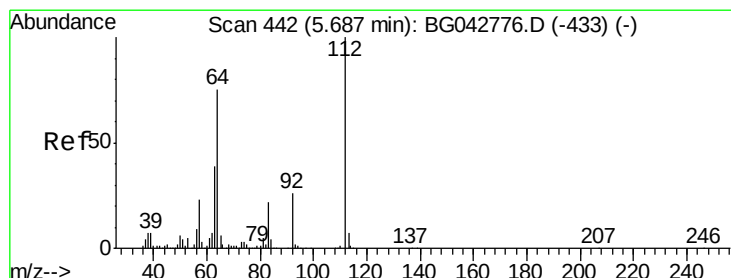
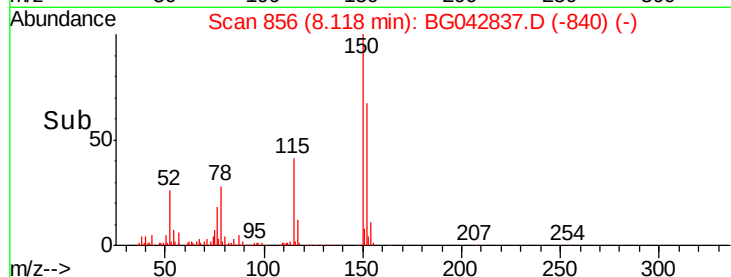
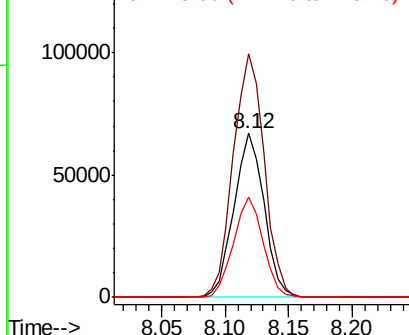


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

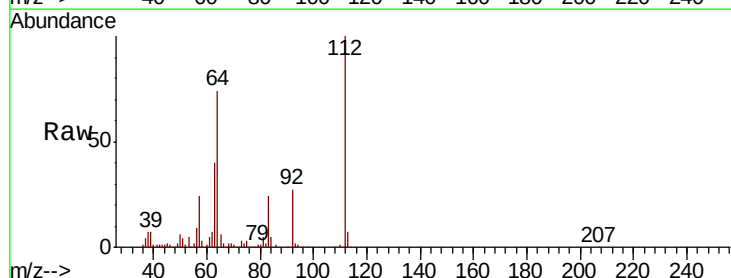
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.928 ng
RT: 5.69 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042837.D
Acq: 14 Sep 2019 5:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.5	60.2	90.2
63	40.5	31.2	46.8

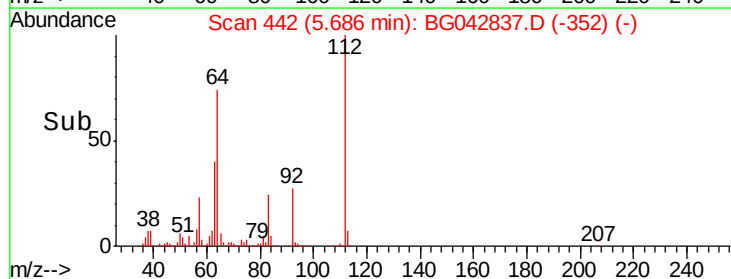
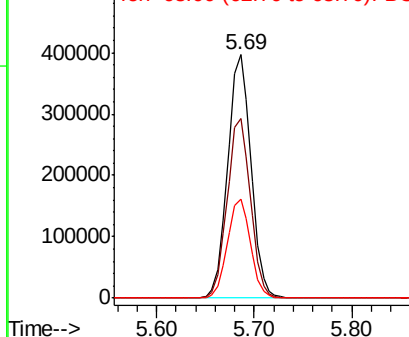


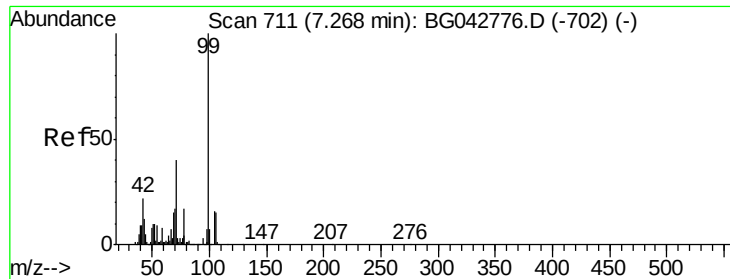
Abundance

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: 106.828 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

Instrument :

BNA_G

ClientSampleId :

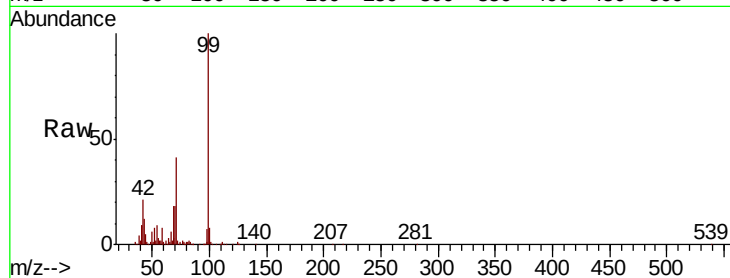
Tot Ion: 99 Resp: 974820

Ion Ratio Lower Upper

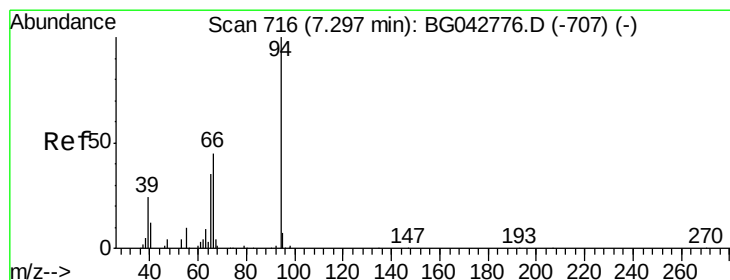
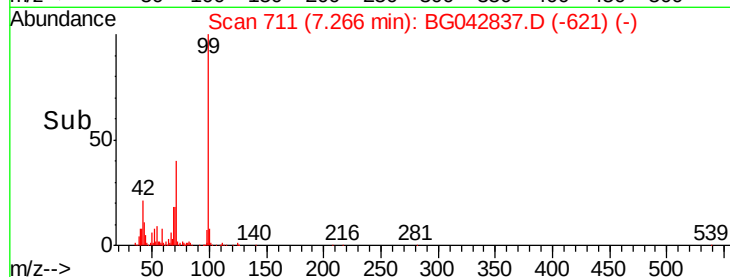
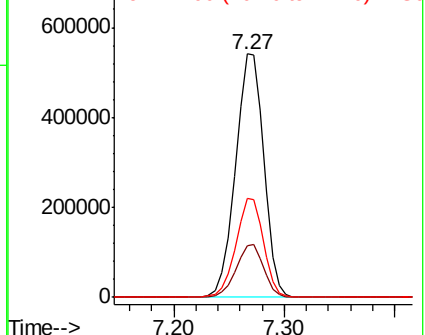
99 100

42 21.1 17.5 26.3

71 40.8 32.0 48.0



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



#10

Phenol

Concen: 4.571 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

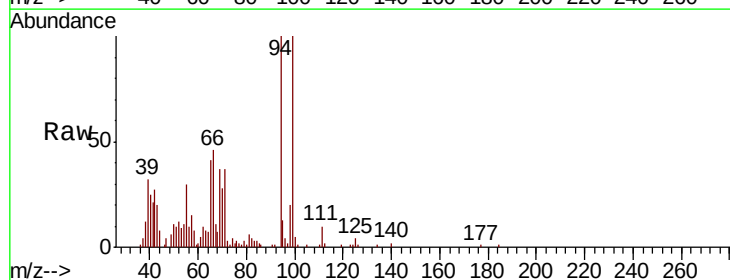
Tgt Ion: 94 Resp: 42773

Ion Ratio Lower Upper

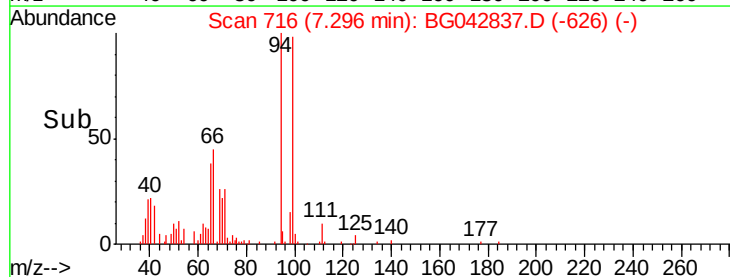
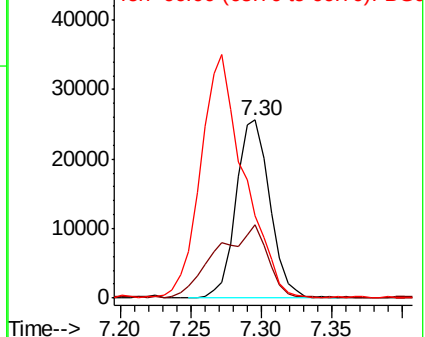
94 100

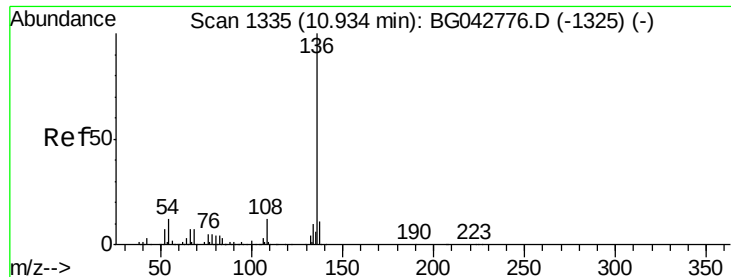
65 41.0 15.0 55.0

66 46.2 26.1 66.1



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

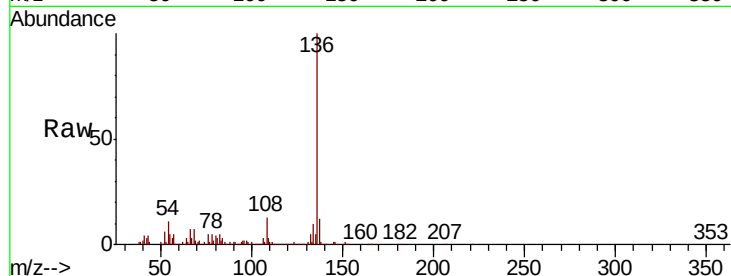




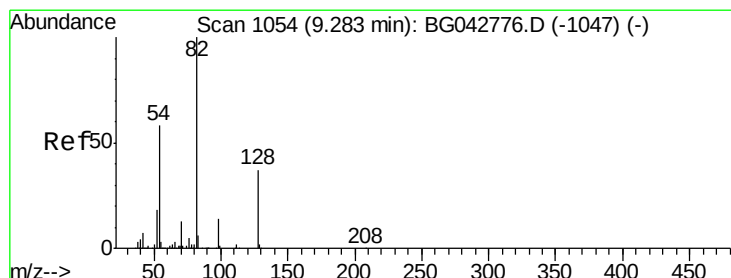
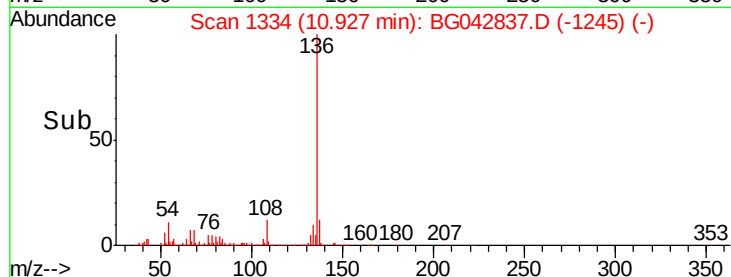
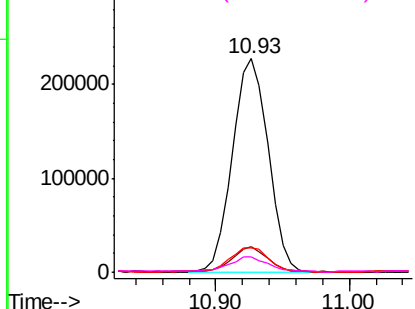
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042837.D
Acq: 14 Sep 2019 5:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	422738
Ion Ratio	Lower	Upper
136 100		
137 12.1	9.0	13.6
54 11.4	9.4	14.0
68 7.4	5.4	8.2

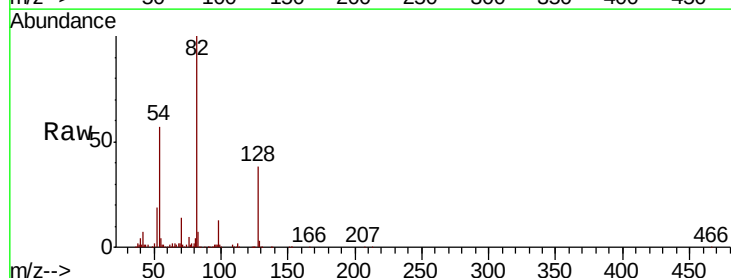


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

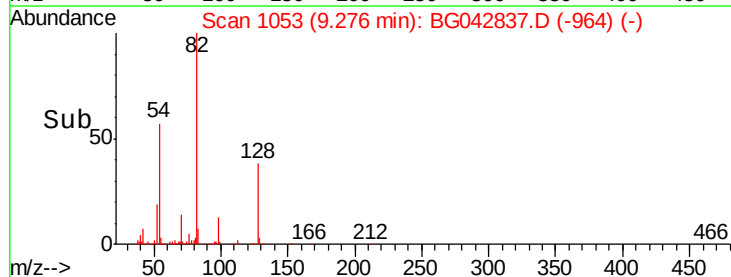
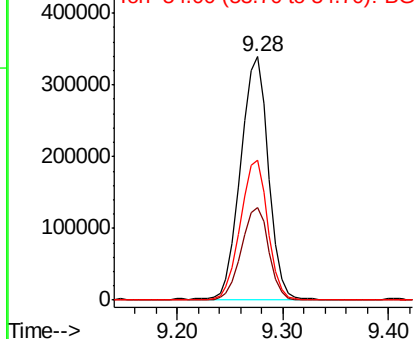


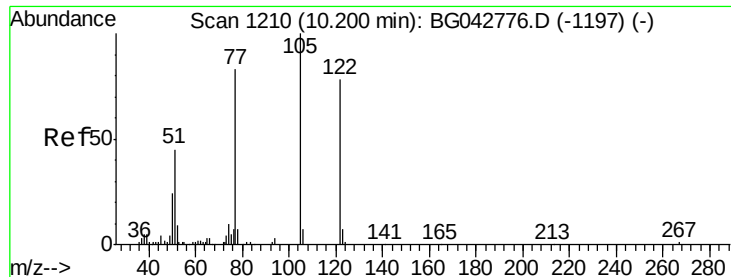
#23
Nitrobenzene-d5
Concen: 75.773 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042837.D
Acq: 14 Sep 2019 5:59

Tgt Ion: 82	Resp:	615262
Ion Ratio	Lower	Upper
82 100		
128 37.8	29.8	44.8
54 57.2	46.1	69.1



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

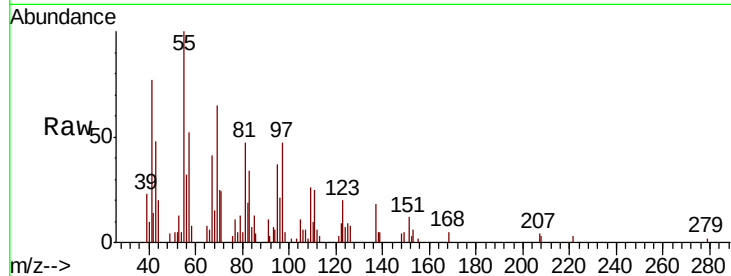




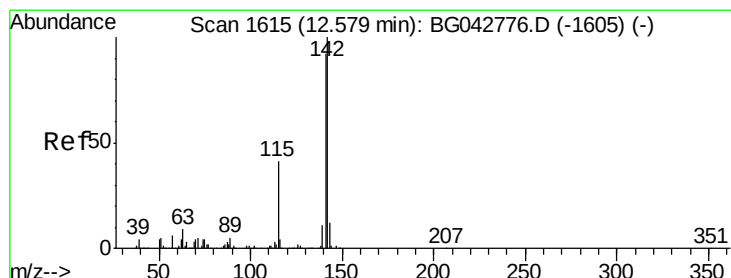
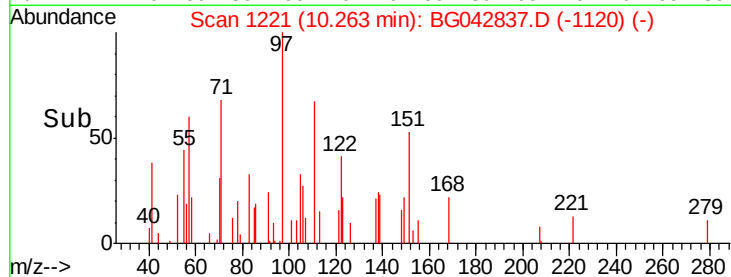
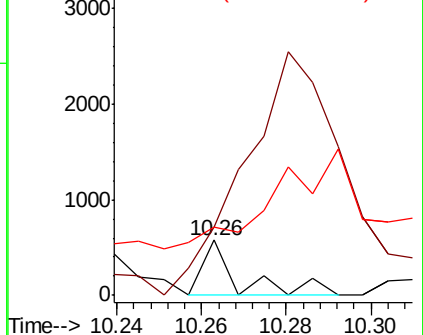
#32
Benzoic acid
Concen: 6.026 ng
RT: 10.26 min Scan# 1221
Delta R.T. 0.06 min
Lab File: BG042837.D
Acq: 14 Sep 2019 5:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 340
Ion Ratio Lower Upper
122 100
105 123.7 104.0 144.0
77 124.1 84.2 124.2

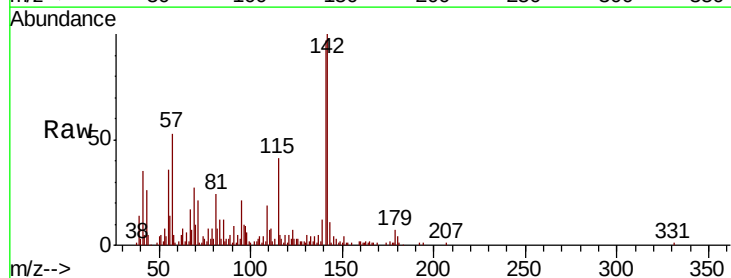


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

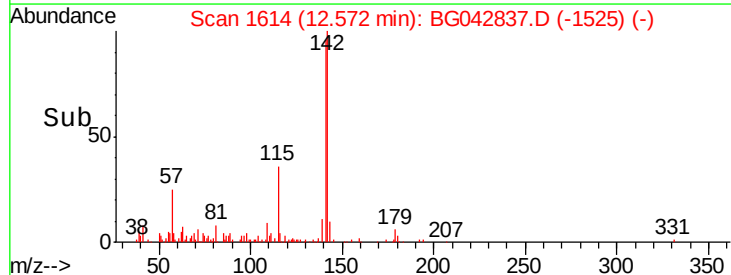
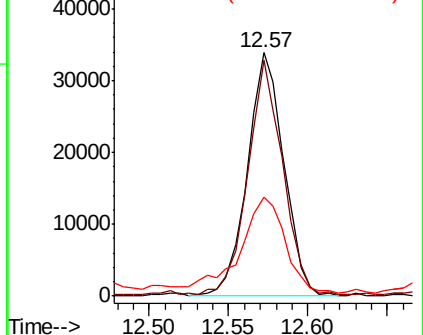


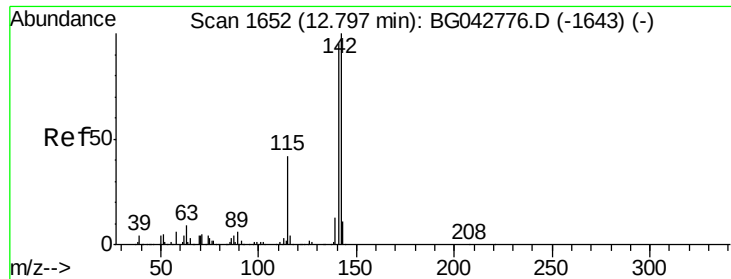
#37
2-Methylnaphthalene
Concen: 3.462 ng
RT: 12.57 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BG042837.D
Acq: 14 Sep 2019 5:59

Tgt Ion:142 Resp: 54125
Ion Ratio Lower Upper
142 100
141 96.9 73.8 110.8
115 40.8 33.0 49.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

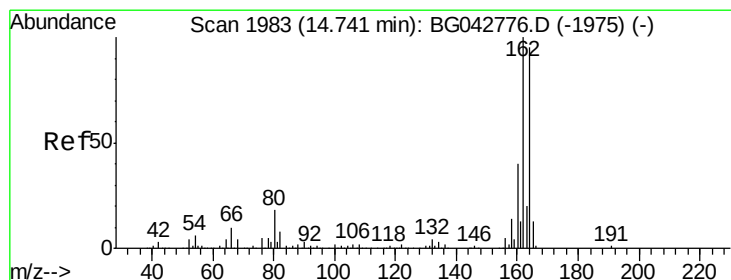
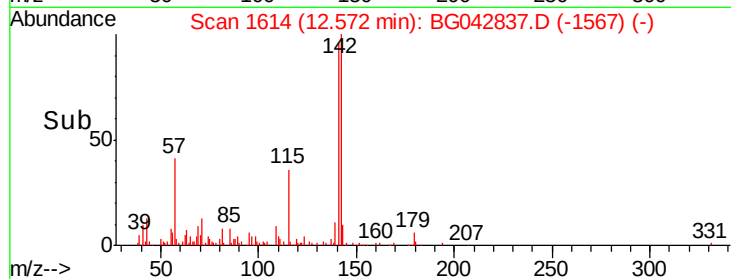
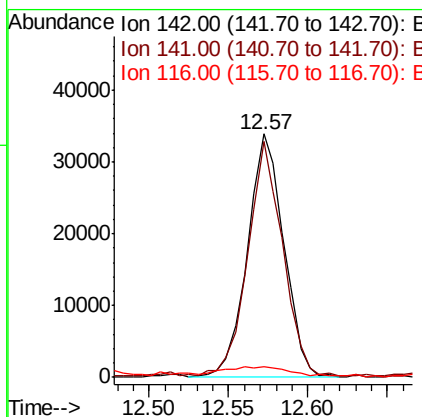
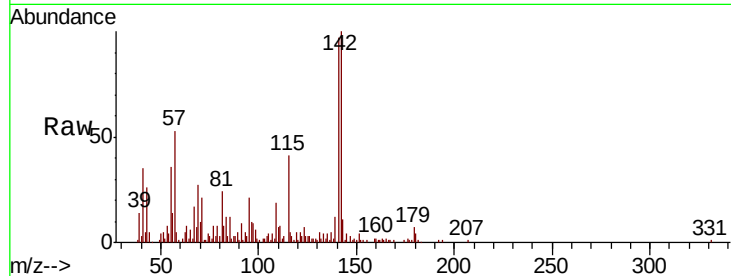




#38
 1-Methylnaphthalene
 Concen: 3.691 ng
 RT: 12.57 min Scan# 1614
 Delta R.T. -0.22 min
 Lab File: BG042837.D
 Acq: 14 Sep 2019 5:59

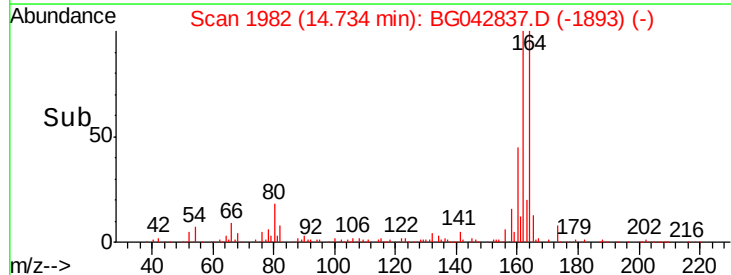
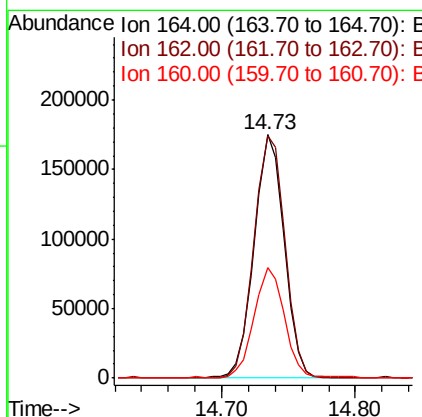
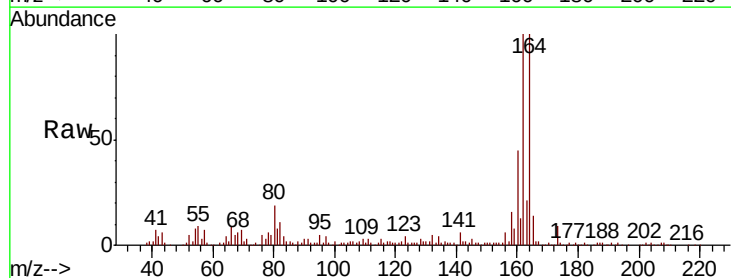
Instrument :
 BNA_G
 ClientSampleId :

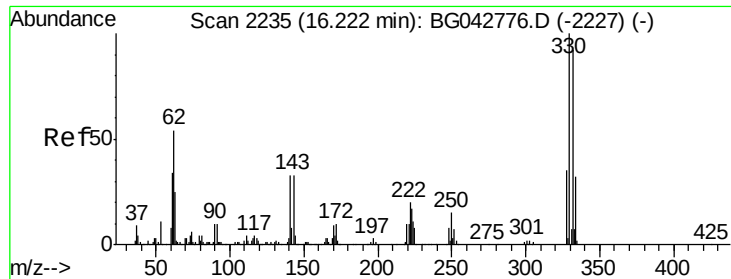
Tot Ion	Ratio	Lower	Upper
142	100		
141	96.9	76.3	114.5
116	4.6	3.4	5.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.01 min
 Lab File: BG042837.D
 Acq: 14 Sep 2019 5:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	84.6	126.8
160	45.4	34.2	51.2

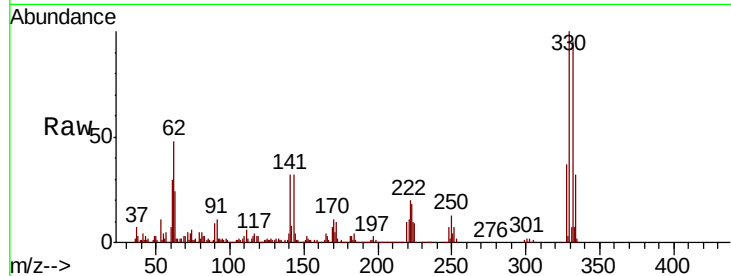




#42
2,4,6-Tribromophenol
Concen: 99.291 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BG042837.D
Acq: 14 Sep 2019 5:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.7	115.1
141	35.4	27.0	40.6

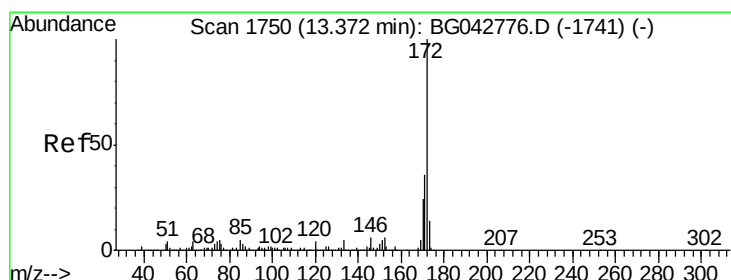
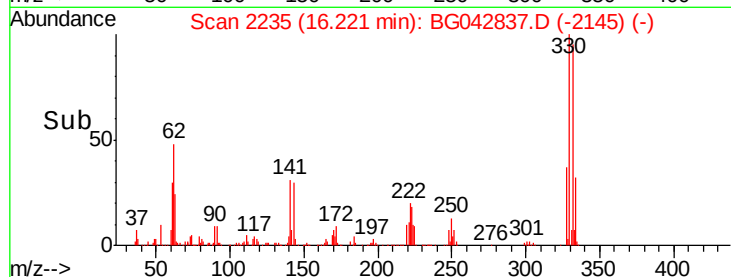
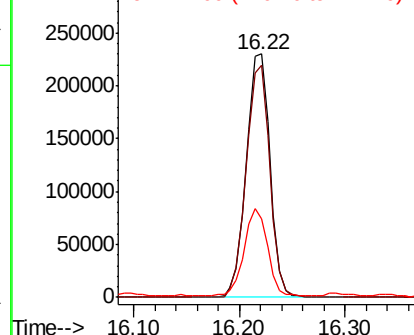


Abundance

Ion 329.80 (329.50 to 330.50): E

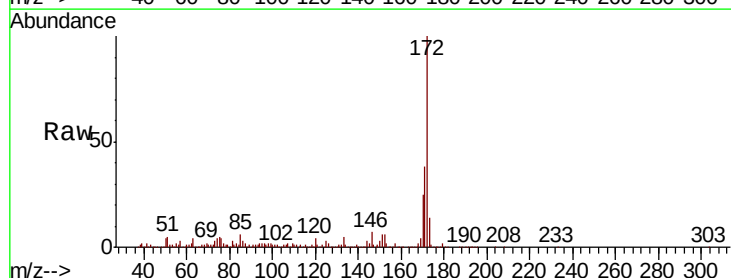
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 65.759 ng
RT: 13.37 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BG042837.D
Acq: 14 Sep 2019 5:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	28.9	43.3
170	25.2	19.1	28.7

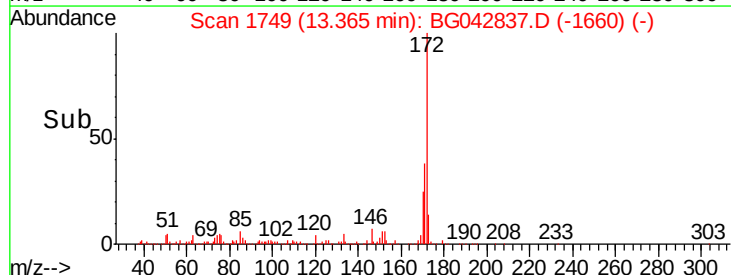
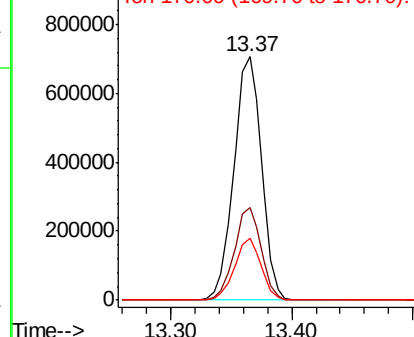


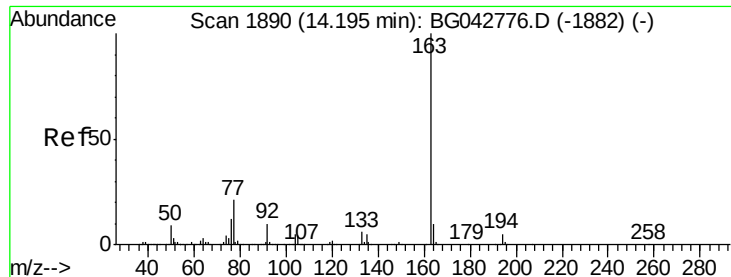
Abundance

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: 4.739 ng

RT: 14.18 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

Instrument :

BNA_G

ClientSampleId :

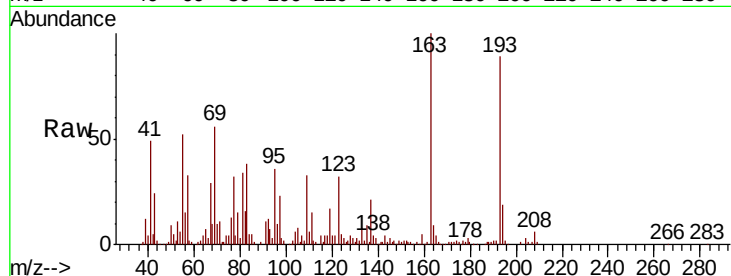
Tot Ion:163 Resp: 96033

Ion Ratio Lower Upper

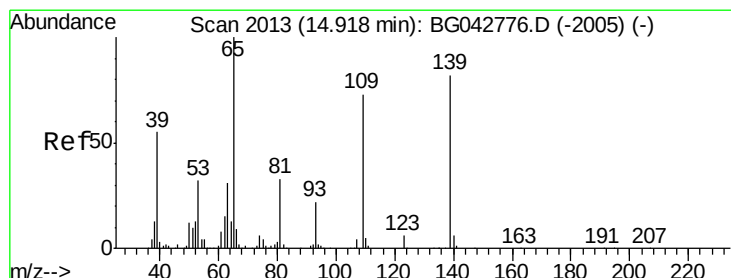
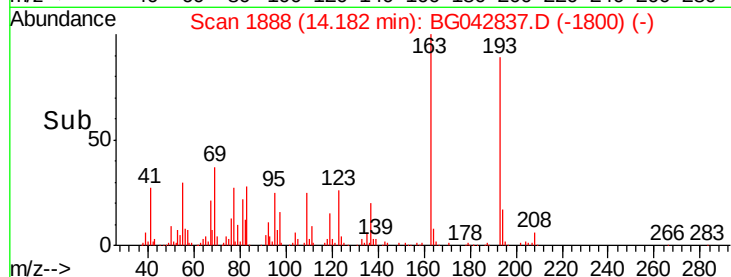
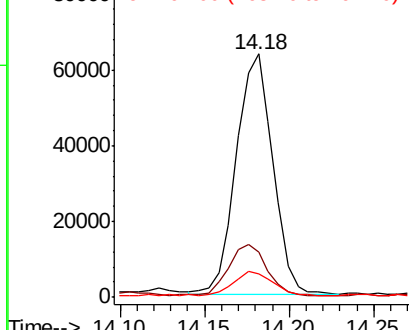
163 100

194 18.8 4.2 6.4#

164 9.5 8.4 12.6



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



#56

4-Nitrophenol

Concen: 2.288 ng

RT: 14.94 min Scan# 2017

Delta R.T. 0.02 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

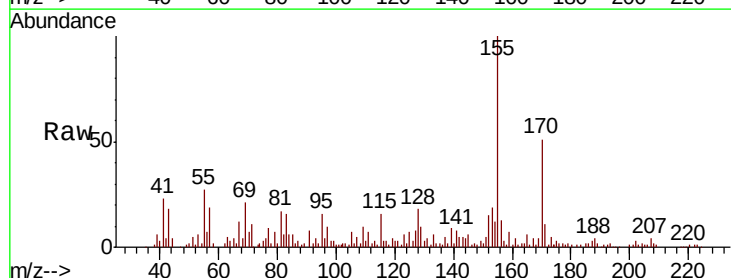
Tgt Ion:139 Resp: 8254

Ion Ratio Lower Upper

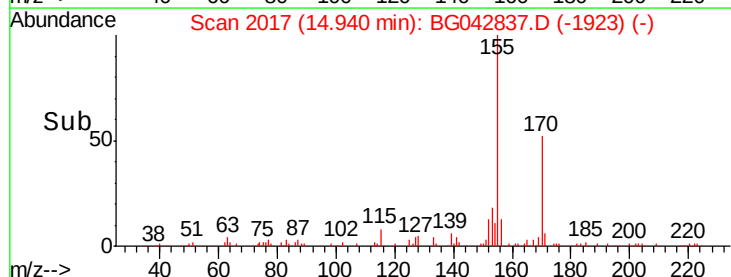
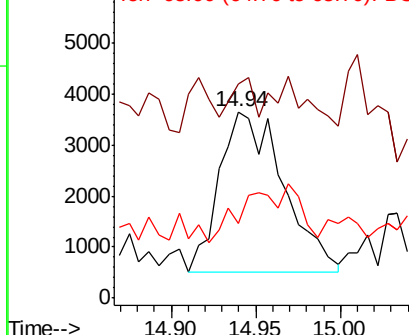
139 100

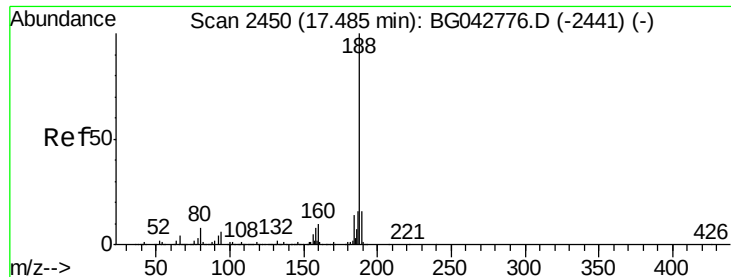
109 114.6 69.4 109.4#

65 40.1 102.5 142.5#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

Instrument :

BNA_G

ClientSampleId :

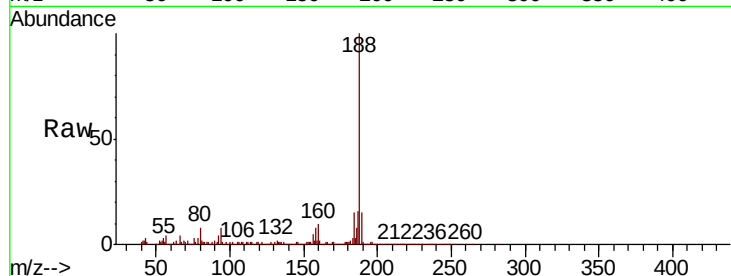
Tot Ion:188 Resp: 558474

Ion Ratio Lower Upper

188 100

94 7.6 4.8 7.2#

80 8.1 6.6 9.8

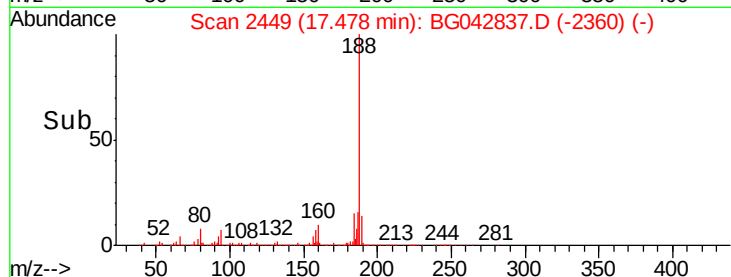


Abundance Ion 188.00 (187.70 to 188.70): E

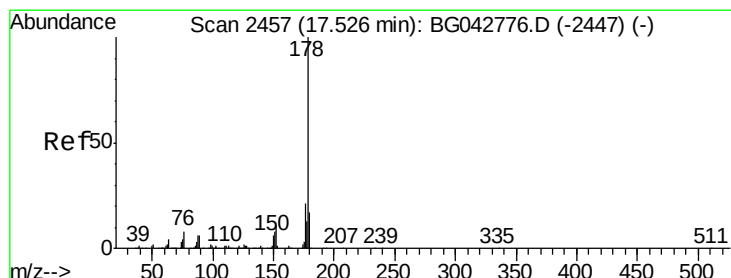
Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

Time-->



Time-->



#71

Phenanthrene

Concen: 5.397 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.01 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

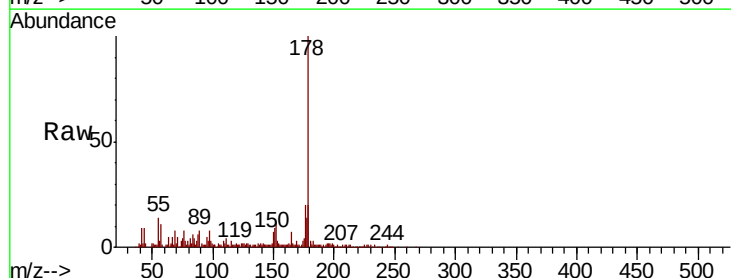
Tgt Ion:178 Resp: 144148

Ion Ratio Lower Upper

178 100

176 19.9 17.0 25.4

179 19.5 13.6 20.4

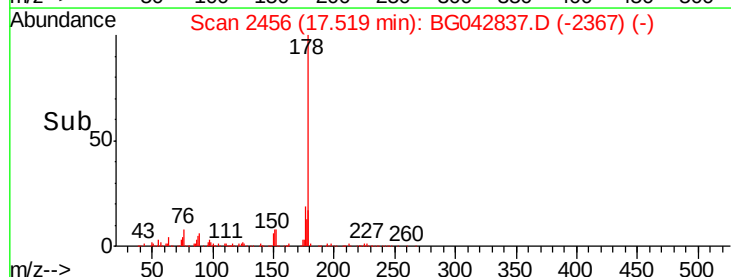


Abundance Ion 178.00 (177.70 to 178.70): E

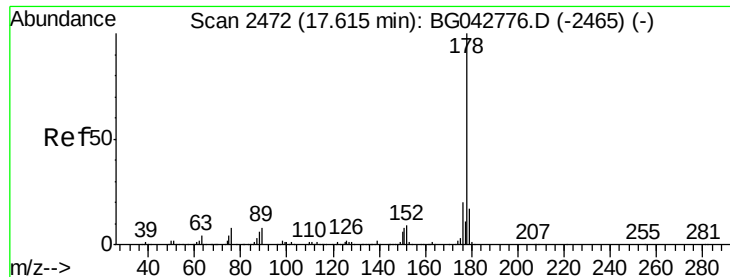
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#72

Anthracene

Concen: 5.402 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.10 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

Instrument :

BNA_G

ClientSampleId :

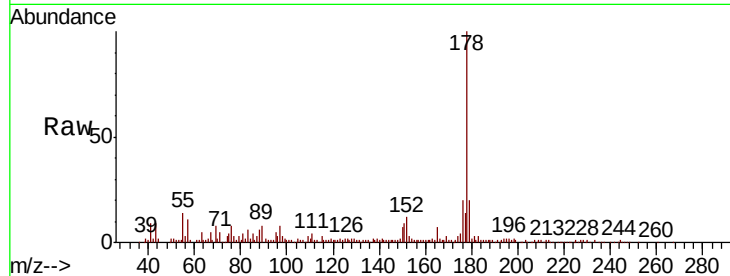
Tot Ion:178 Resp: 144148

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

179 19.5 13.6 20.4

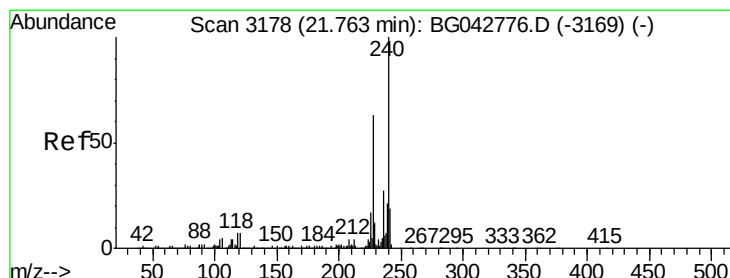
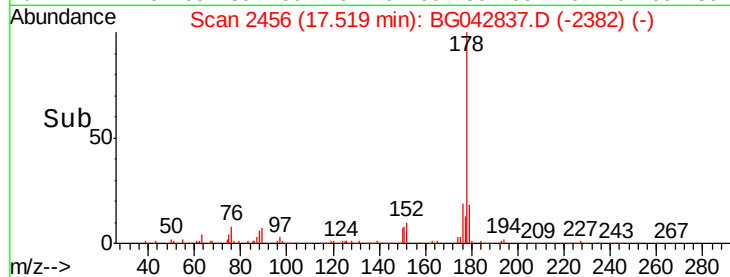
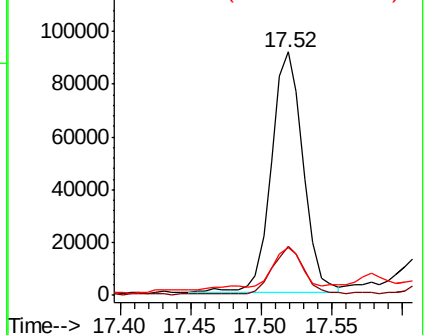


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

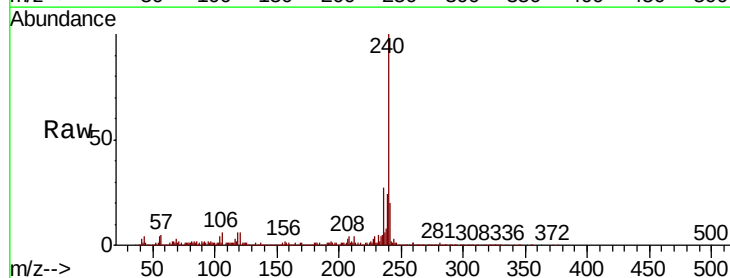
Tgt Ion:240 Resp: 532305

Ion Ratio Lower Upper

240 100

120 6.5 5.4 8.2

236 27.1 21.7 32.5

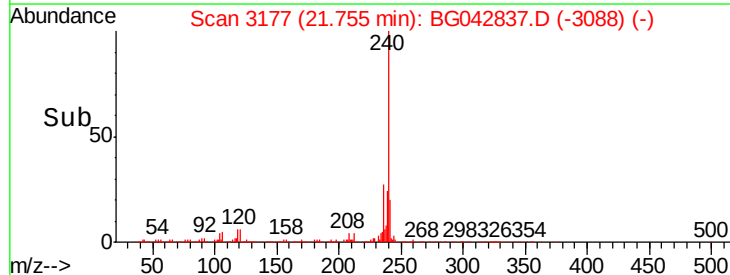
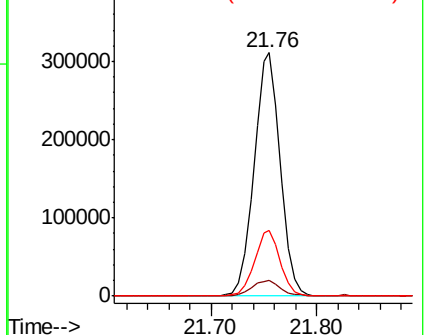


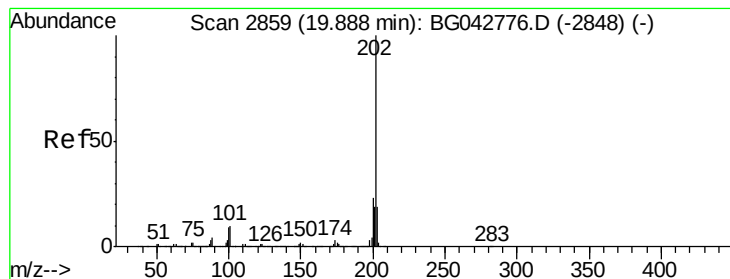
Abundance

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





#78

Pvrene

Concen: 3.480 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

Instrument :

BNA_G

ClientSampleId :

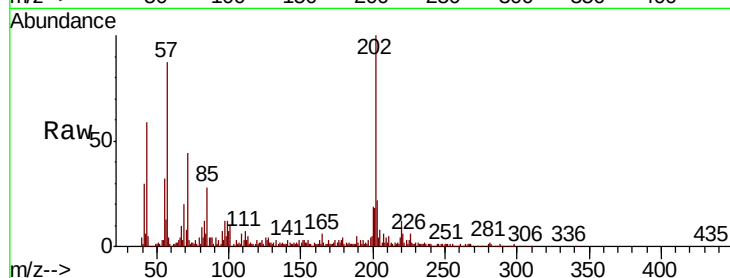
Tot Ion:202 Resp: 115968

Ion Ratio Lower Upper

202 100

200 19.2 18.5 27.7

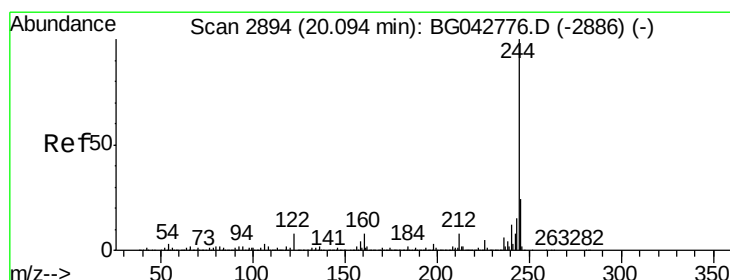
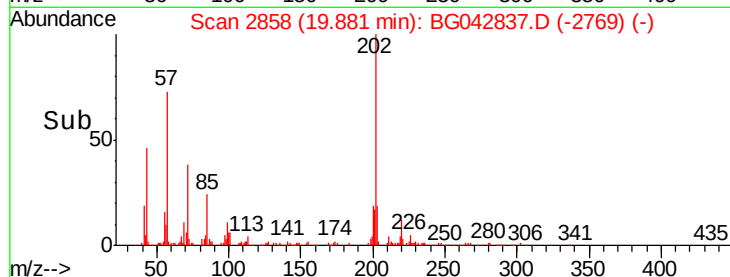
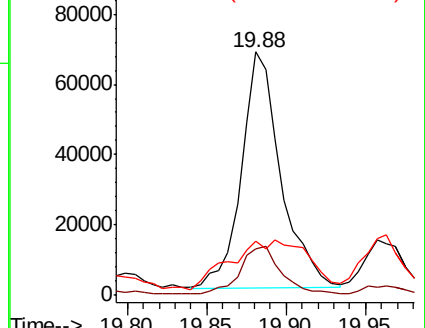
203 22.1 15.3 22.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 61.813 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

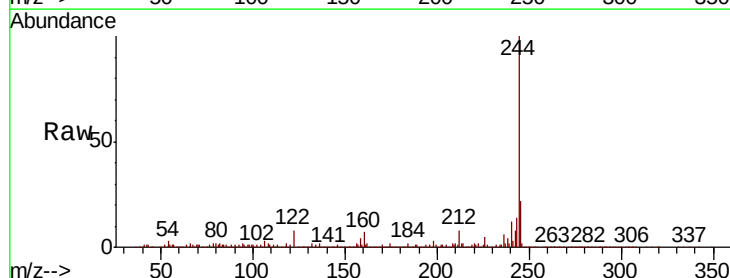
Tgt Ion:244 Resp: 1484622

Ion Ratio Lower Upper

244 100

212 7.7 6.6 10.0

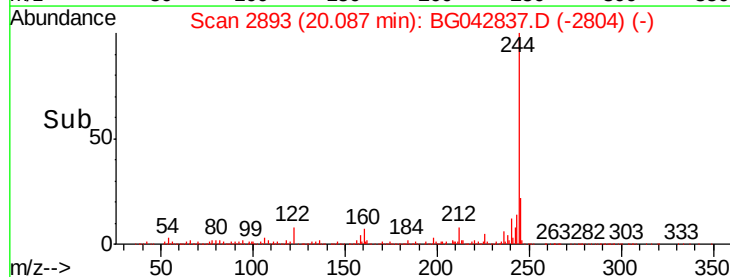
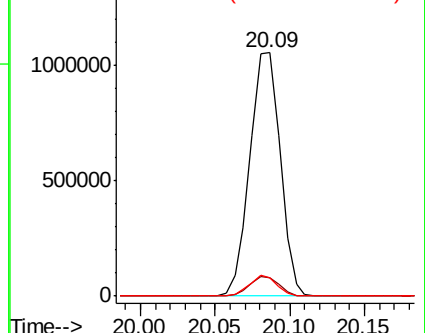
122 7.6 6.2 9.4

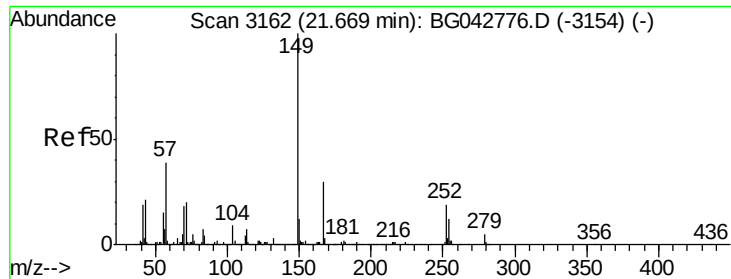


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.566 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.02 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

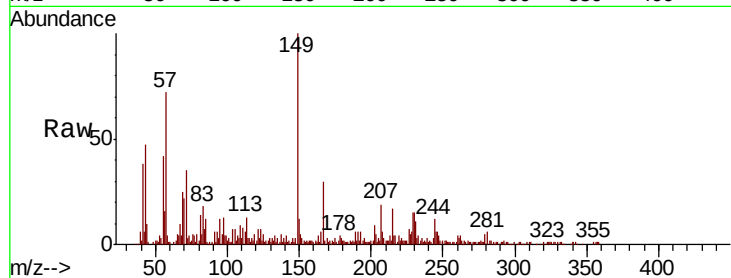
Instrument :

BNA_G

ClientSampled :

Tot Ion:149 Resp: 65718

Ion	Ratio	Lower	Upper
149	100		
167	29.8	24.3	36.5
279	5.0	4.2	6.4

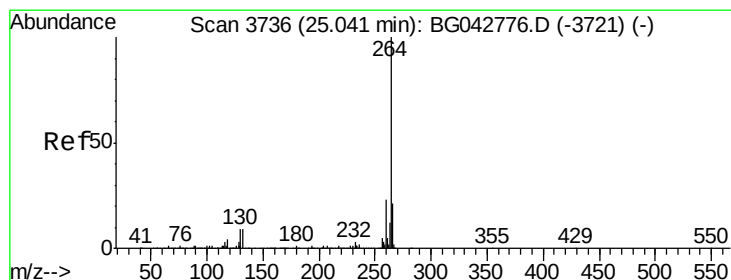
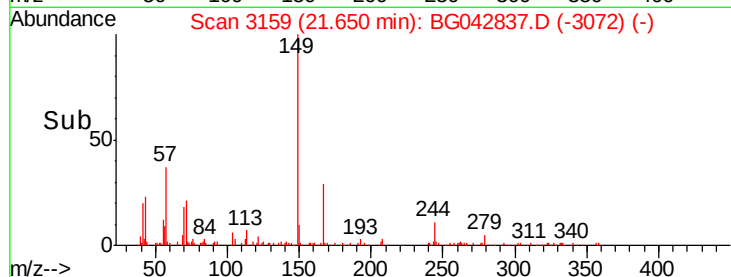
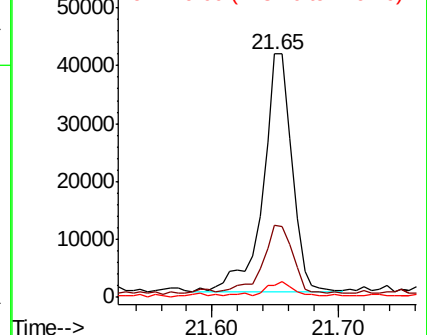


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.03 min Scan# 3734

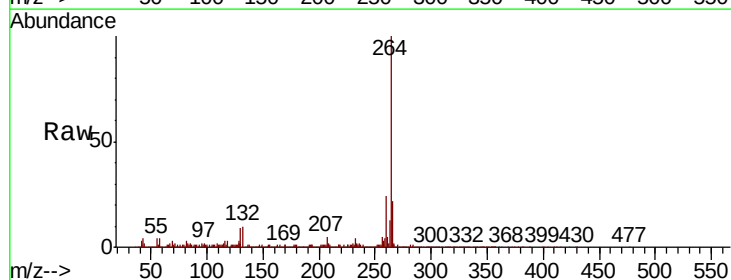
Delta R.T. -0.01 min

Lab File: BG042837.D

Acq: 14 Sep 2019 5:59

Tgt Ion:264 Resp: 598955

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.2
265	22.1	16.9	25.3



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

