

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\
 Data File : BG043809.D
 Acq On : 12 Dec 2019 00:01
 Operator : JU
 Sample : K6245-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DARK-GREEN-BRICK

Quant Time: Dec 12 02:22:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	167970	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	725930	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	472460	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	916564	20.00	ng	0.00
76) Chrysene-d12	21.63	240	767989	20.00	ng	0.00
87) Perylene-d12	24.79	264	885774	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	893926	100.84	ng	0.00
7) Phenol-d6	7.16	99	1272126	99.50	ng	0.00
23) Nitrobenzene-d5	9.15	82	777256	60.12	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	417974	92.80	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1674949	62.27	ng	0.00
79) Terphenyl-d14	19.99	244	2049369	64.20	ng	0.00

Target Compounds

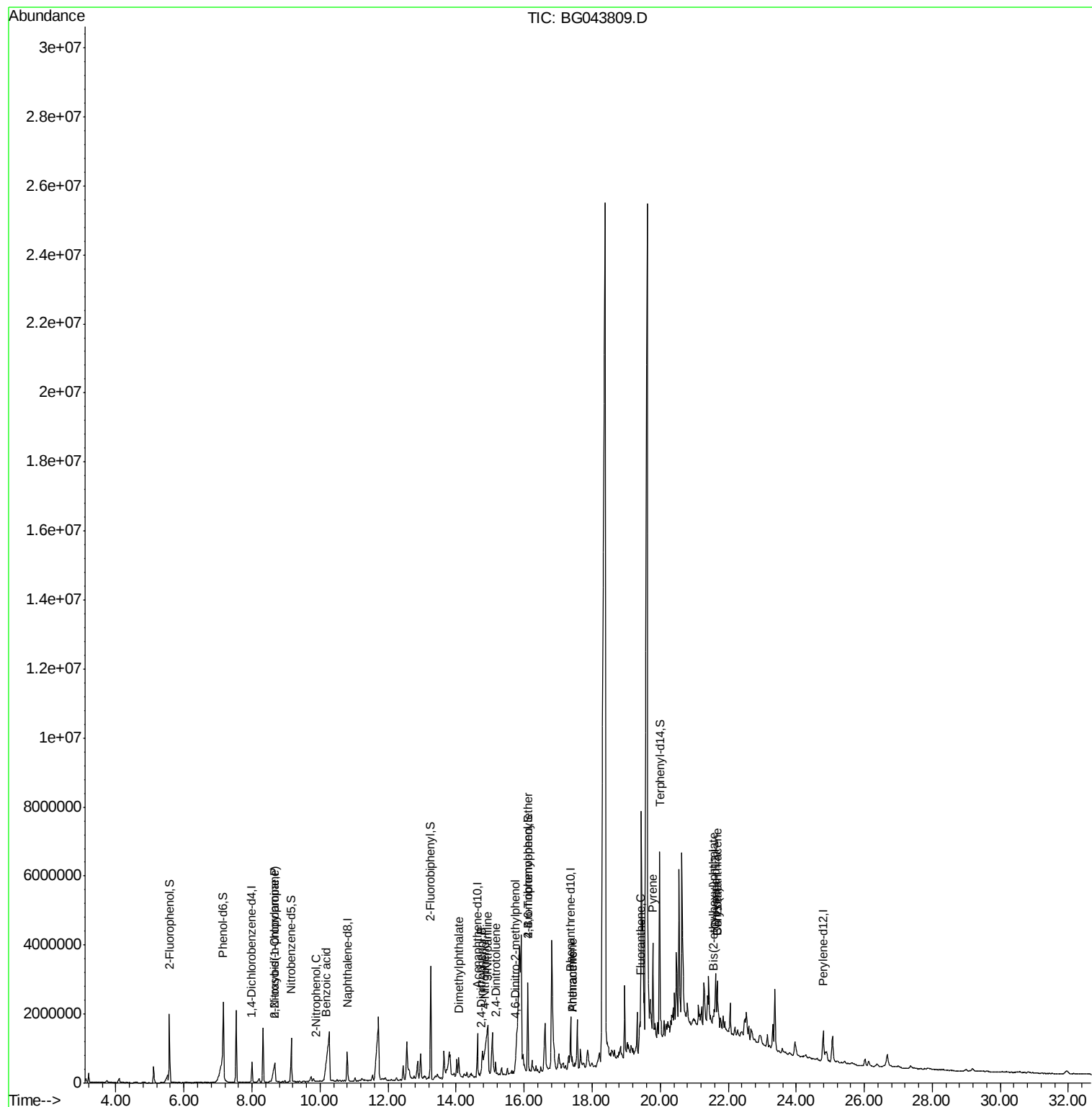
						Qvalue
9) Benzaldehyde	7.16	77	4723	Below Cal	#	26
16) 2,2'-oxybis(1-Chloropropan	8.68	45	88214	4.914 ng		76
19) n-Nitroso-di-n-propylamine	8.68	70	63849	6.532 ng	#	30
26) 2-Nitrophenol	9.90	139	107	8.365 ng	#	1
32) Benzoic acid	10.18	122	23574	9.652 ng		97
50) Dimethylphthalate	14.08	163	100571	2.982 ng		98
53) 3-Nitroaniline	14.93	138	481057	57.846 ng	#	1
54) 2,4-Dinitrophenol	14.73	184	295	4.084 ng	#	1
56) 4-Nitrophenol	14.83	139	18970	3.127 ng		87
57) 2,4-Dinitrotoluene	15.17	165	147622	15.034 ng	#	27
65) 4,6-Dinitro-2-methylphenol	15.73	198	152	9.535 ng	#	1
67) 4-Bromophenyl-phenylether	16.11	248	31845	3.250 ng	#	1
71) Phenanthrene	17.41	178	157557	3.631 ng		93
72) Anthracene	17.41	178	157557	3.668 ng		94
75) Fluoranthene	19.42	202	194246	3.911 ng		94
78) Pyrene	19.77	202	132795	2.646 ng		94
81) Benzo(a)anthracene	21.67	228	125643	2.592 ng		97
83) Chrysene	21.67	228	125643	2.721 ng		95
84) Bis(2-ethylhexyl)phthalate	21.55	149	77482	2.584 ng	#	96

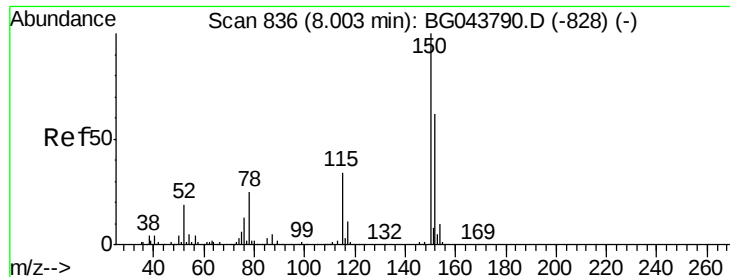
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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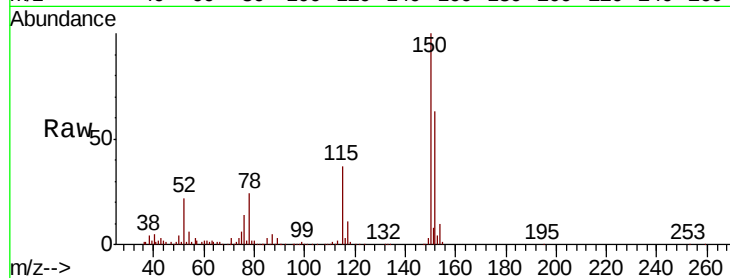


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

Instrument :
BNA_G
ClientSampleId :
DARK-GREEN-BRICK

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	128.6	192.8
115	59.5	44.3	66.5

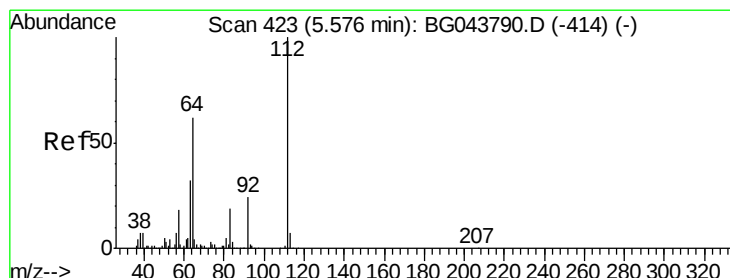
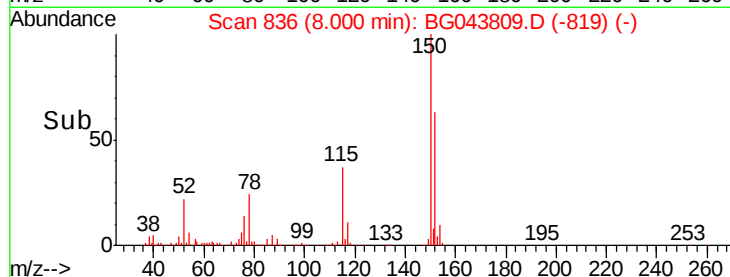
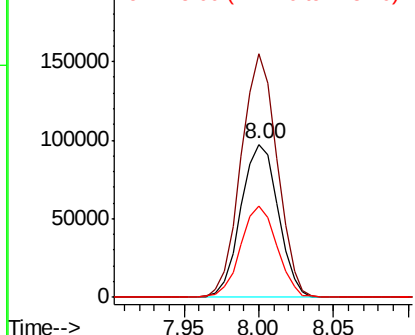


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

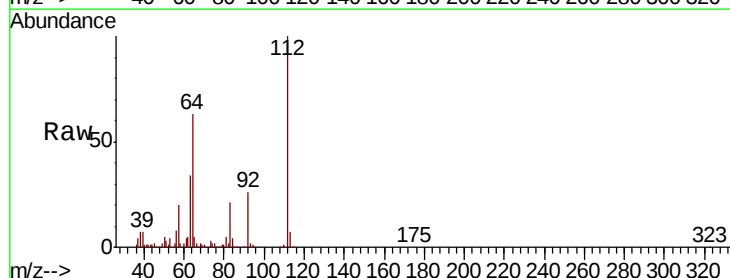
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.836 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.9	74.9
63	33.9	26.0	39.0

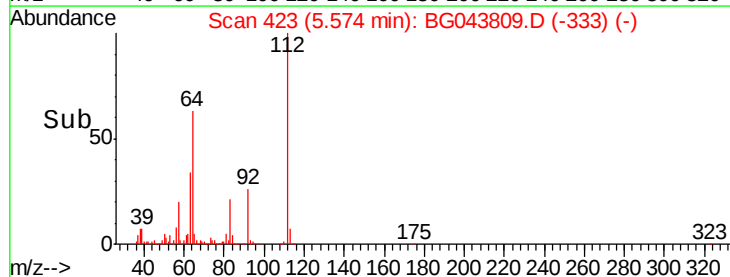
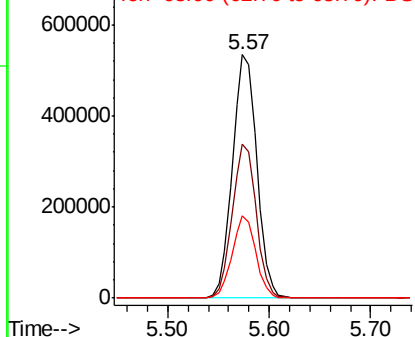


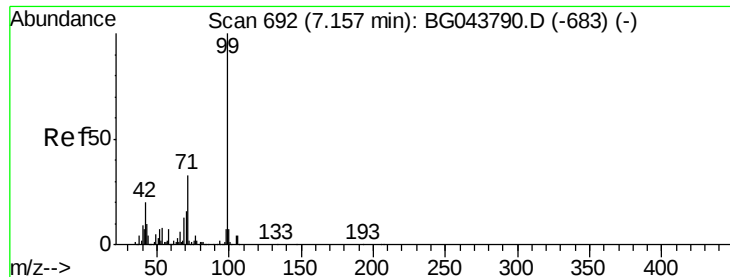
Abundance

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: 99.500 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.00 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

Instrument :

BNA_G

ClientSampleId :

DARK-GREEN-BRICK

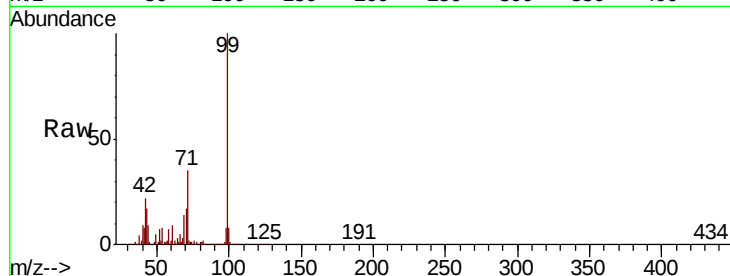
Tot Ion: 99 Resp: 1272126

Ion Ratio Lower Upper

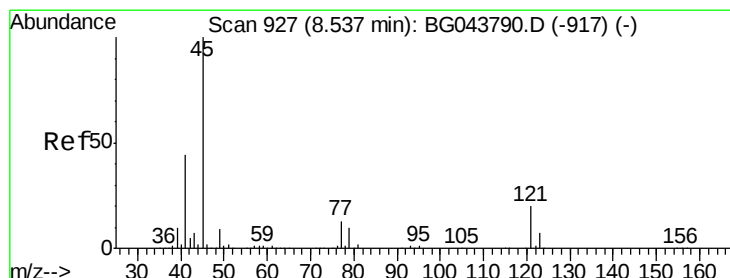
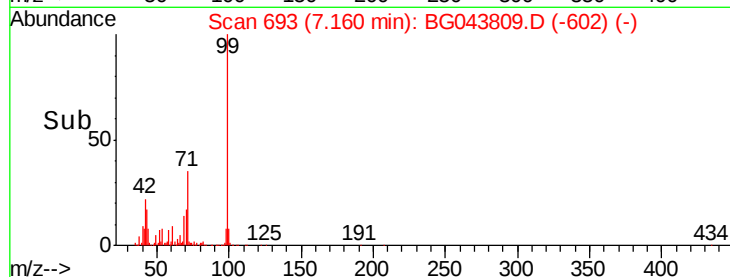
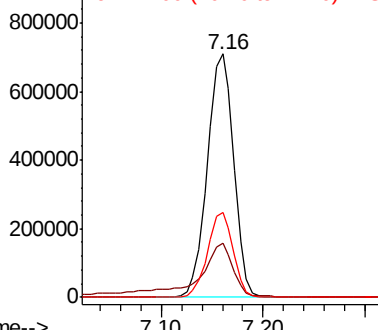
99 100

42 22.0 16.2 24.2

71 35.1 26.6 40.0



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.914 ng

RT: 8.68 min Scan# 951

Delta R.T. 0.14 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

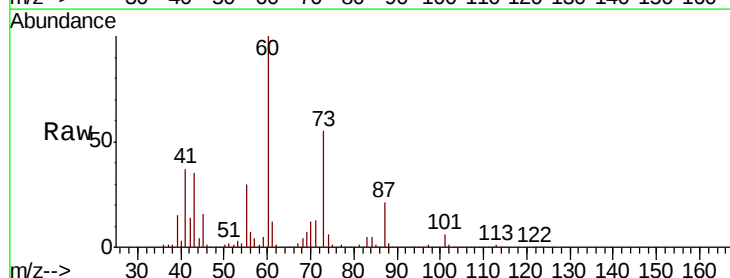
Tgt Ion: 45 Resp: 88214

Ion Ratio Lower Upper

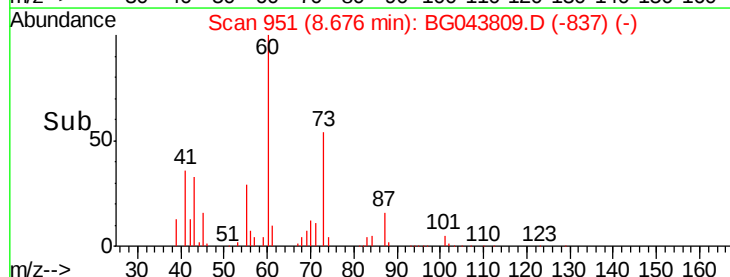
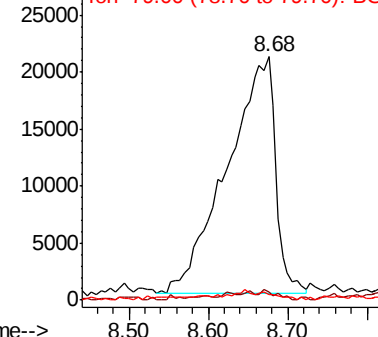
45 100

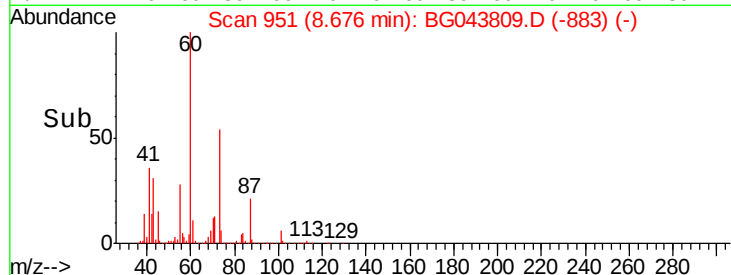
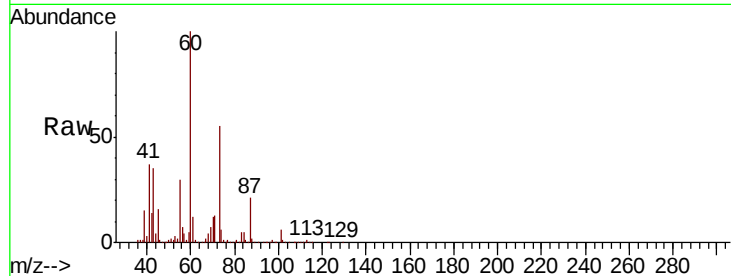
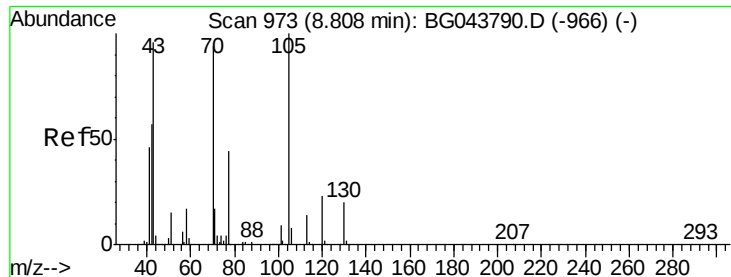
77 3.1 0.0 33.6

79 2.4 0.0 29.9



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

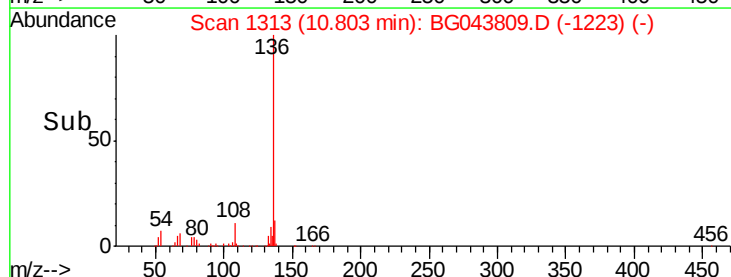
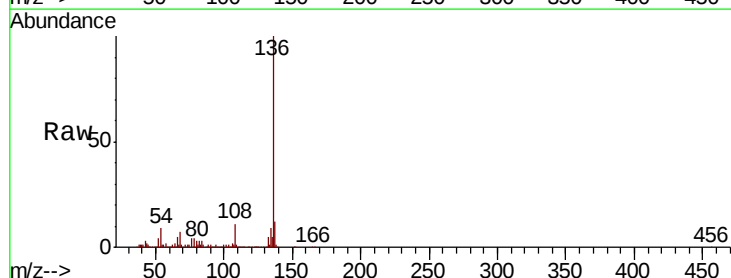
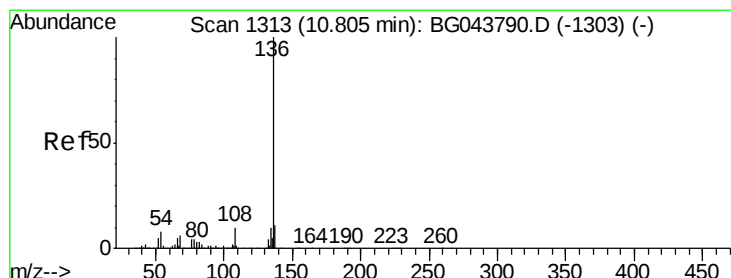
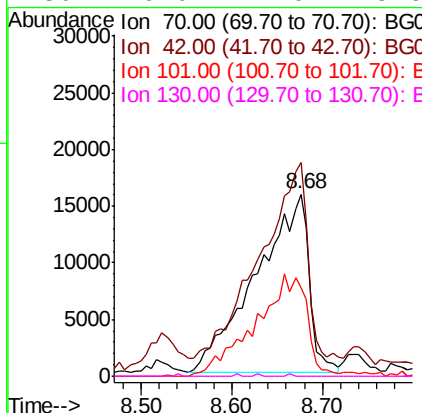




#19
n-Nitroso-di-n-propylamine
Concen: 6.532 ng
RT: 8.68 min Scan# 951
Delta R.T. -0.13 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

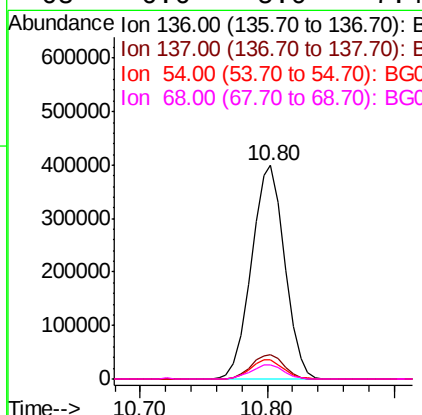
Instrument :
BNA_G
ClientSampleId :
DARK-GREEN-BRICK

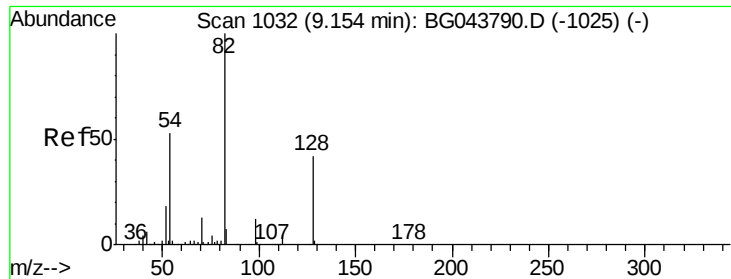
Tot Ion: 70 Resp: 63849
Ion Ratio Lower Upper
70 100
42 117.2 49.2 73.8#
101 48.2 7.8 11.6#
130 0.0 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

Tgt Ion: 136 Resp: 725930
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 8.8 6.8 10.2
68 6.6 5.0 7.4

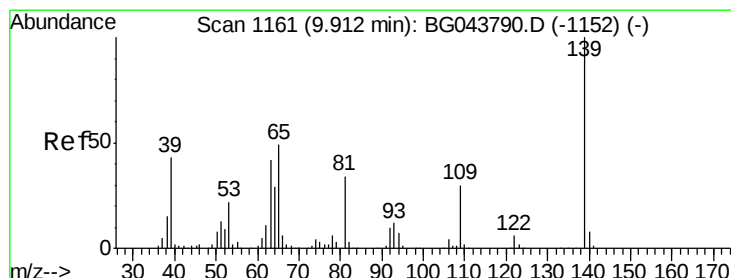
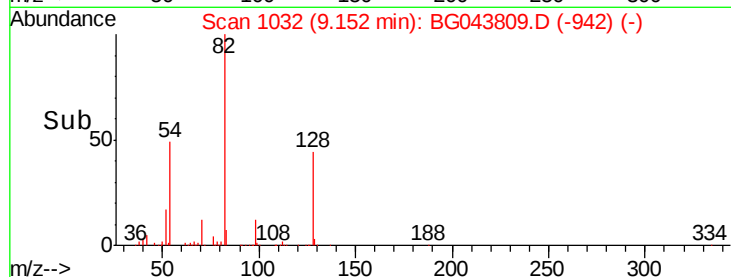
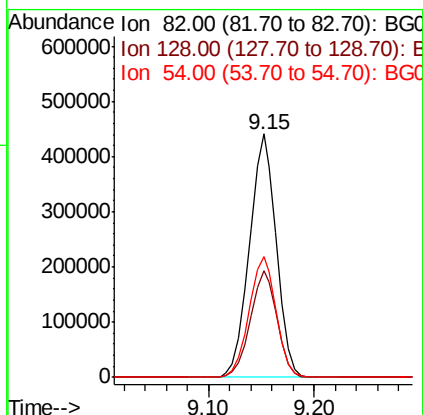
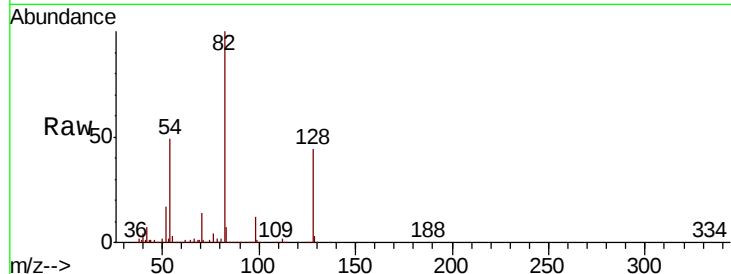




#23
Nitrobenzene-d5
Concen: 60.117 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

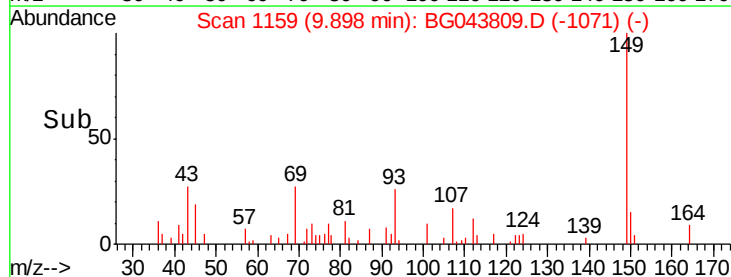
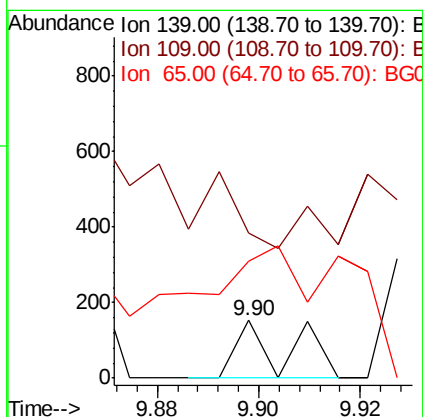
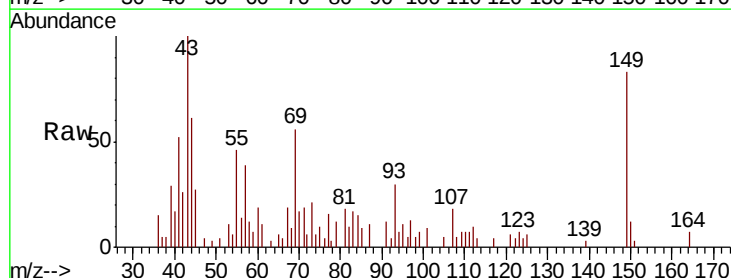
Instrument :
BNA_G
ClientSampleId :
DARK-GREEN-BRICK

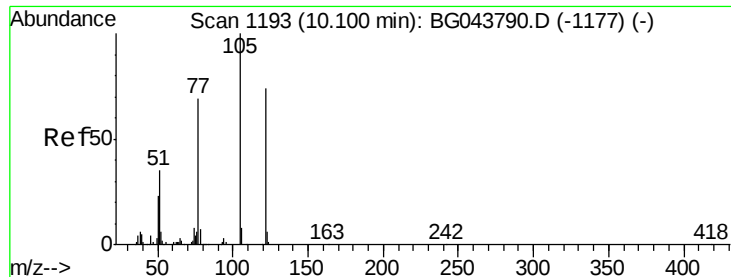
Tot Ion	82	Resp	777256
Ion Ratio	100	Lower	Upper
128	43.7	33.6	50.4
54	49.5	42.1	63.1



#26
2-Nitrophenol
Concen: 8.365 ng
RT: 9.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

Tgt Ion	139	Resp	107
Ion Ratio	100	Lower	Upper
109	251.6	23.9	35.9#
65	202.6	39.3	58.9#

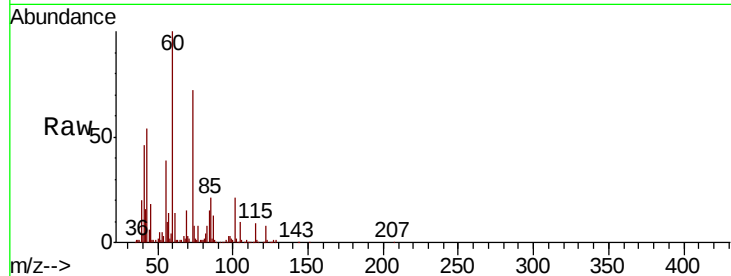




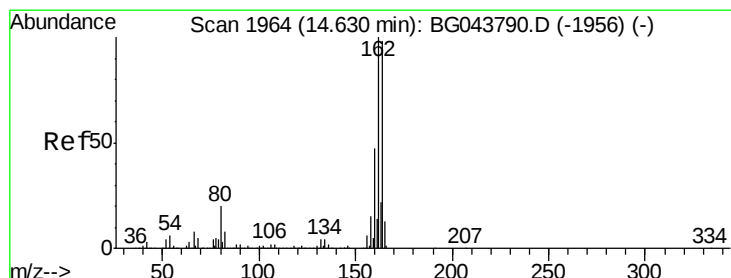
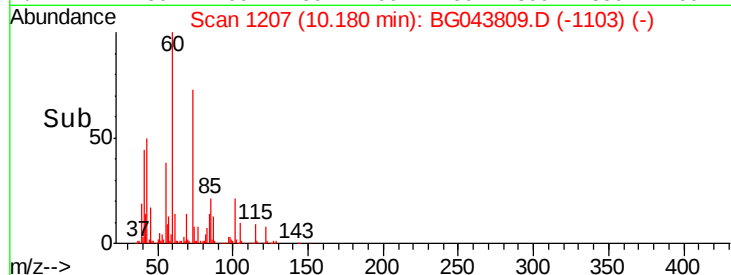
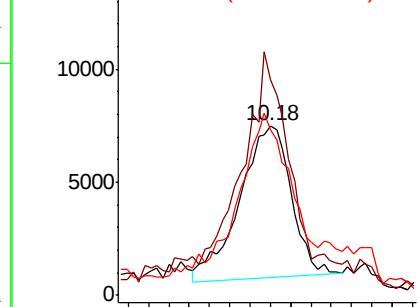
#32
Benzoic acid
Concen: 9.652 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.08 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

Instrument :
BNA_G
ClientSampleId :
DARK-GREEN-BRICK

Tot Ion:122 Resp: 23574
Ion Ratio Lower Upper
122 100
105 126.6 107.5 147.5
77 97.7 71.7 111.7

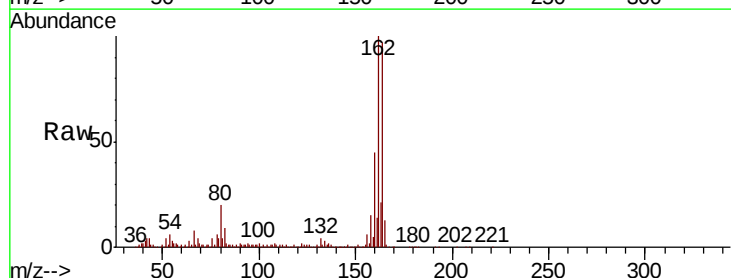


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

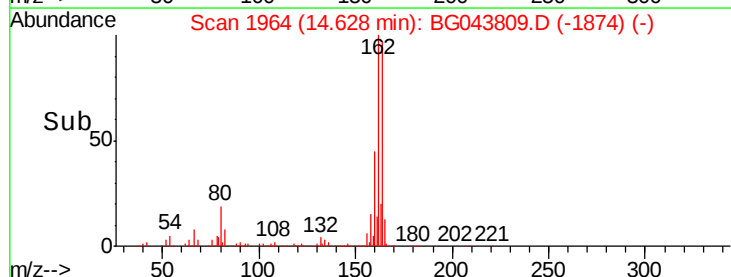
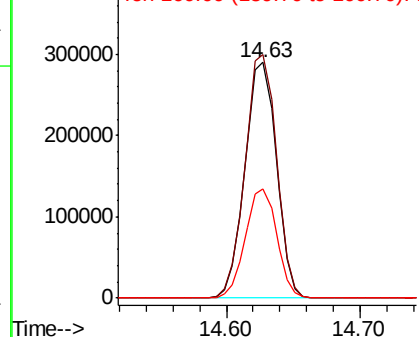


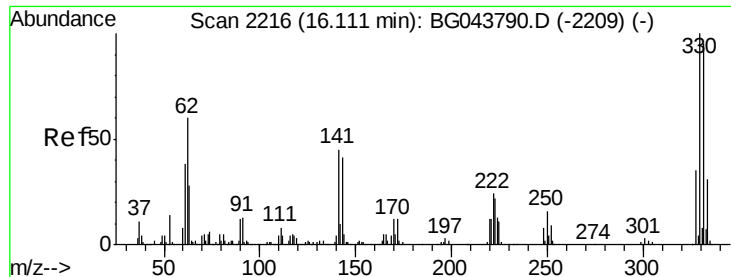
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

Tgt Ion:164 Resp: 472460
Ion Ratio Lower Upper
164 100
162 103.3 81.9 122.9
160 46.3 38.3 57.5



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: 92.797 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

Instrument :

BNA_G

ClientSampleId :

DARK-GREEN-BRICK

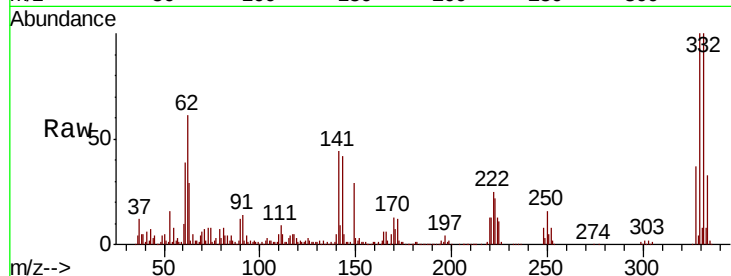
Tot Ion:330 Resp: 417974

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

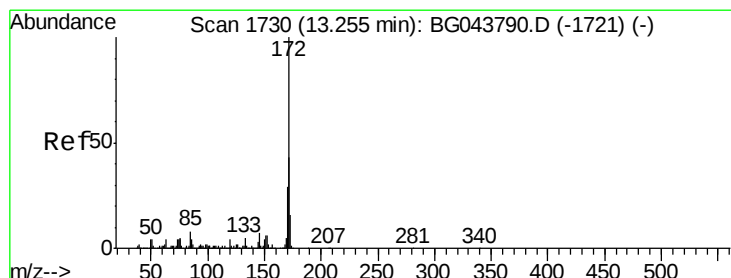
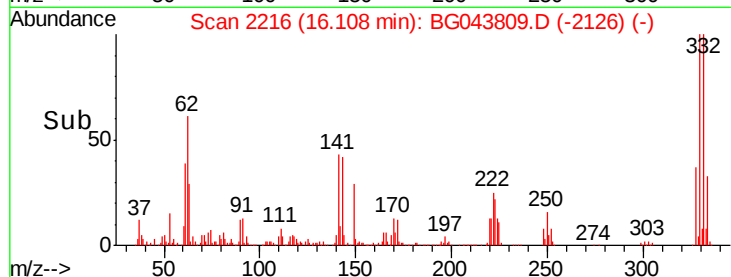
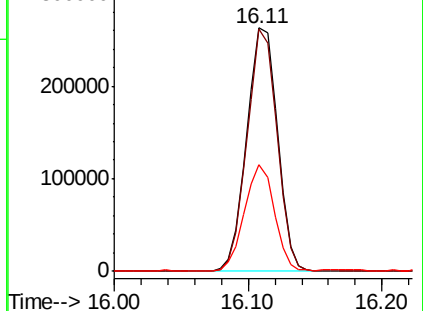
141 42.0 33.8 50.8



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: 62.273 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.00 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

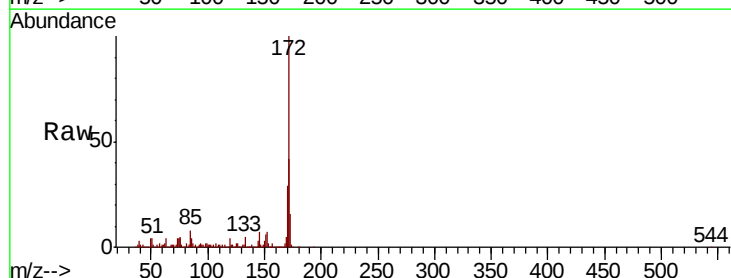
Tgt Ion:172 Resp: 1674949

Ion Ratio Lower Upper

172 100

171 42.5 34.6 51.8

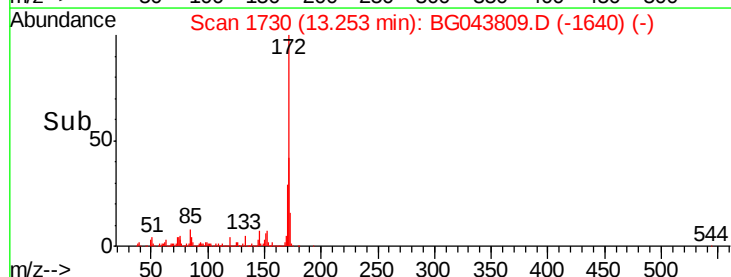
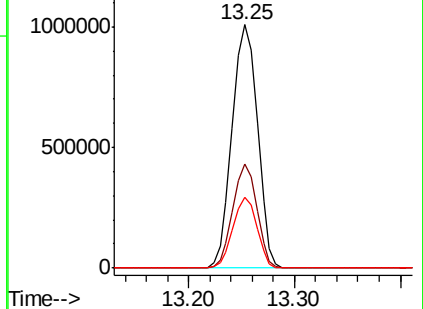
170 29.3 23.3 34.9

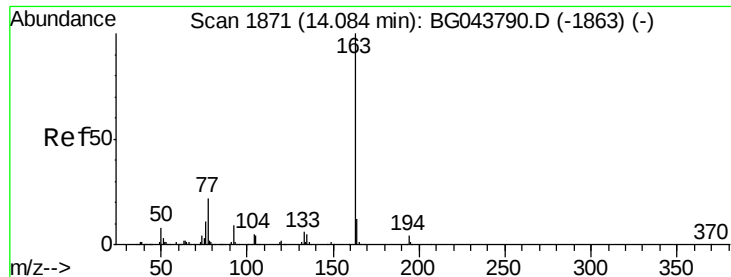


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

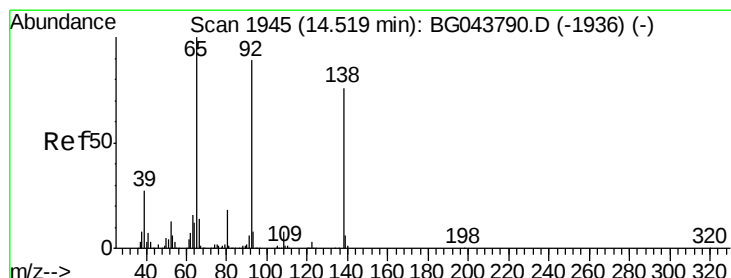
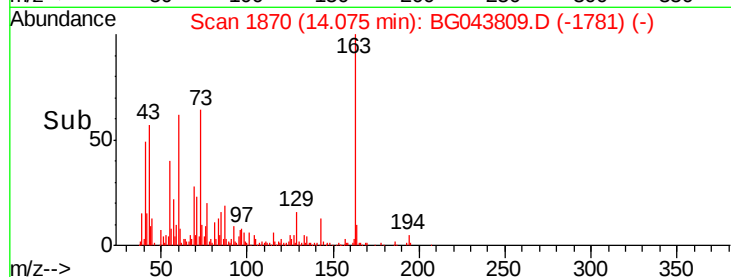
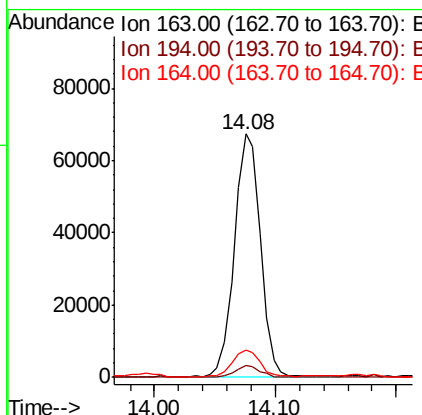
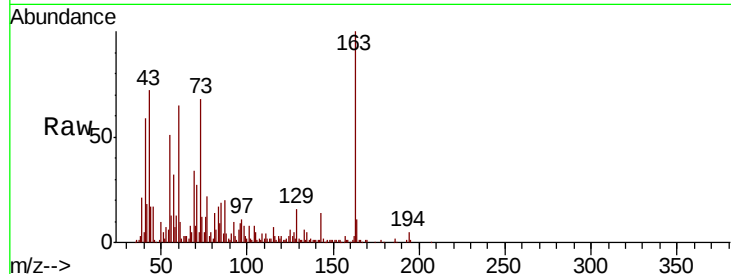




#50
Dimethylphthalate
Concen: 2.982 ng
RT: 14.08 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

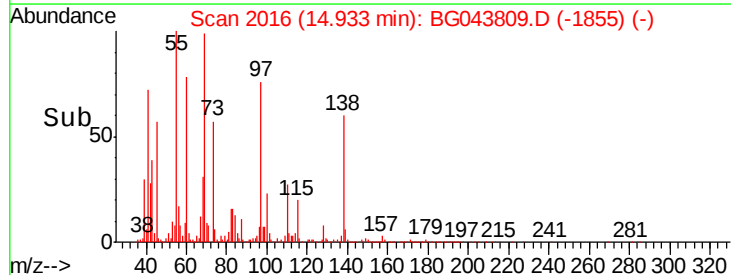
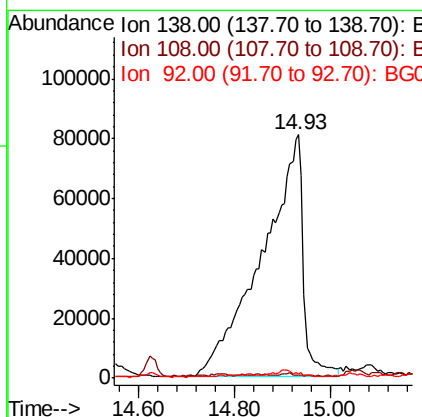
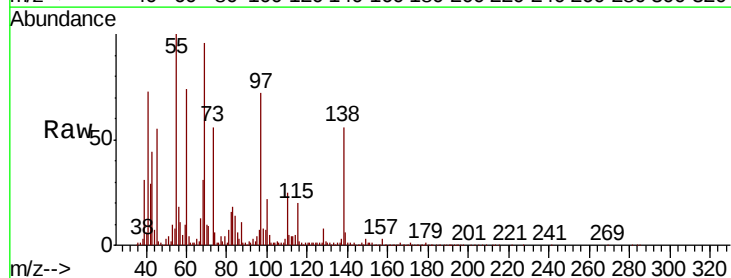
Instrument :
BNA_G
ClientSampleId :
DARK-GREEN-BRICK

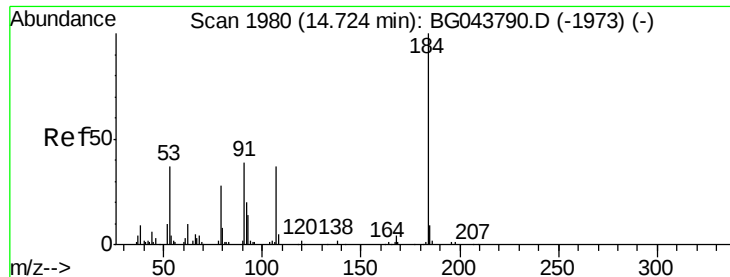
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.6	5.4
164	11.0	9.4	14.0



#53
3-Nitroaniline
Concen: 57.846 ng
RT: 14.93 min Scan# 2016
Delta R.T. 0.41 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

Tgt Ion	Ratio	Lower	Upper
138	100		
108	1.4	8.1	12.1#
92	1.9	94.6	141.8#

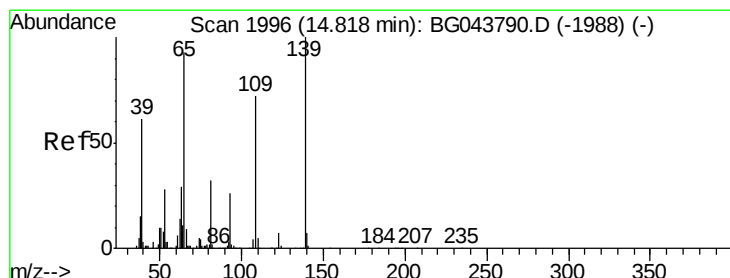
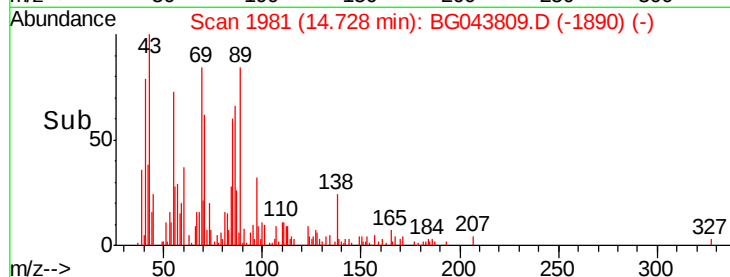
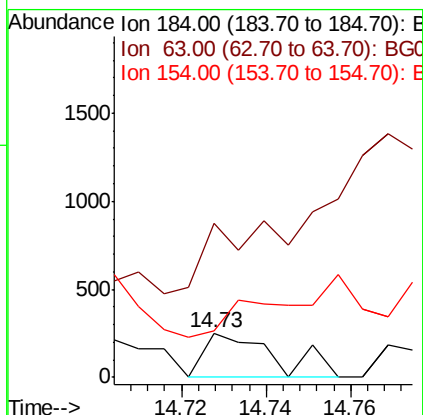
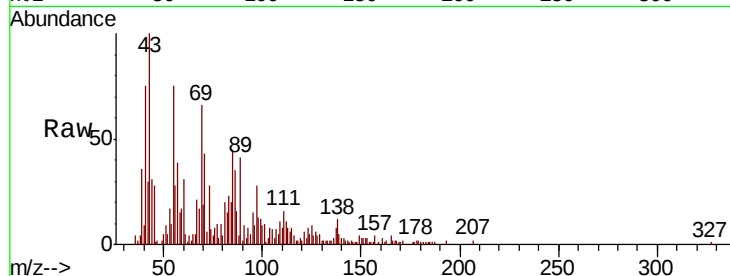




#54
 2,4-Dinitrophenol
 Concen: 4.084 ng
 RT: 14.73 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: BG043809.D
 Acq: 12 Dec 2019 00:01

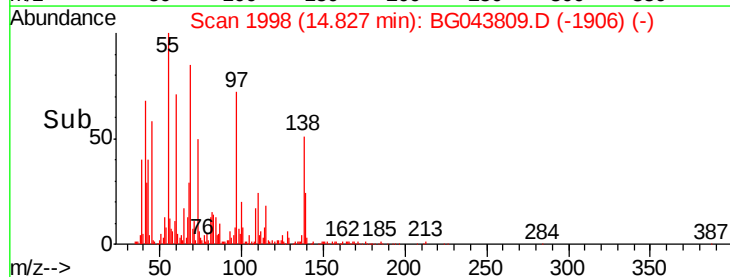
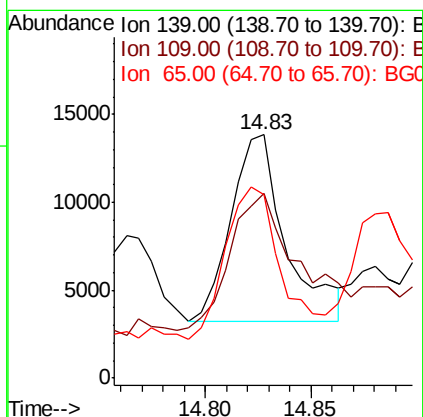
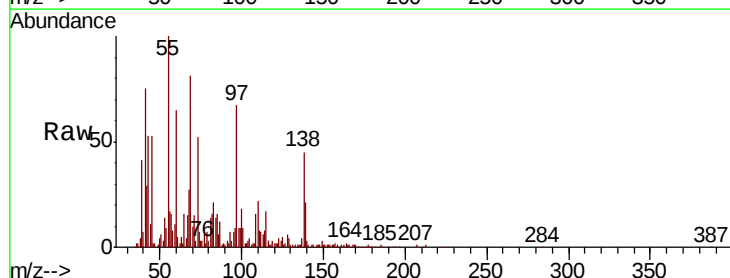
Instrument :
 BNA_G
 ClientSampleId :
 DARK-GREEN-BRICK

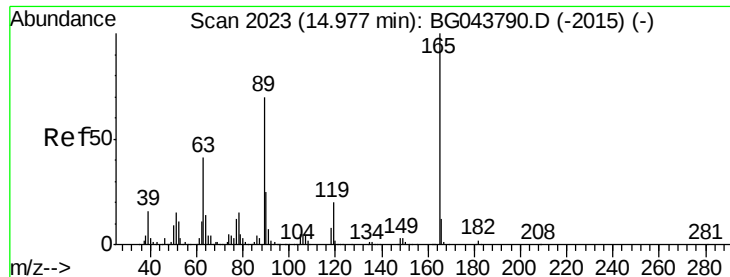
Tot Ion:184 Resp: 295
 Ion Ratio Lower Upper
 184 100
 63 345.5 43.4 65.0#
 154 105.5 54.8 82.2#



#56
 4-Nitrophenol
 Concen: 3.127 ng
 RT: 14.83 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BG043809.D
 Acq: 12 Dec 2019 00:01

Tgt Ion:139 Resp: 18970
 Ion Ratio Lower Upper
 139 100
 109 76.0 51.5 91.5
 65 75.4 73.7 113.7

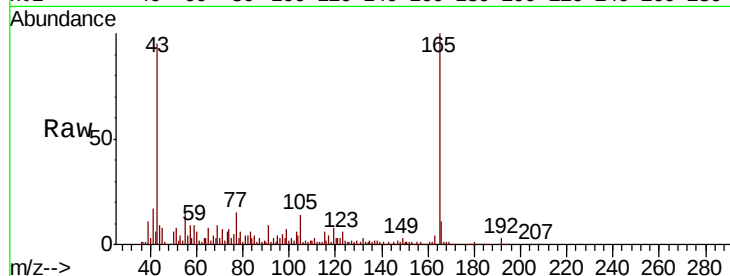




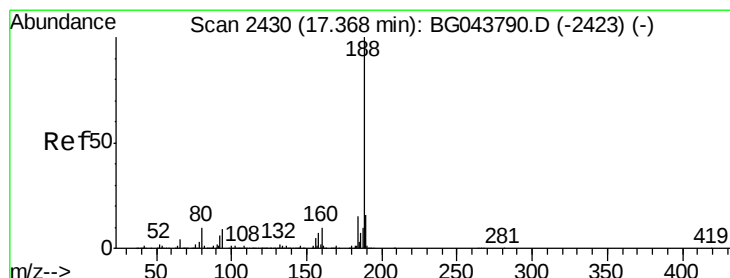
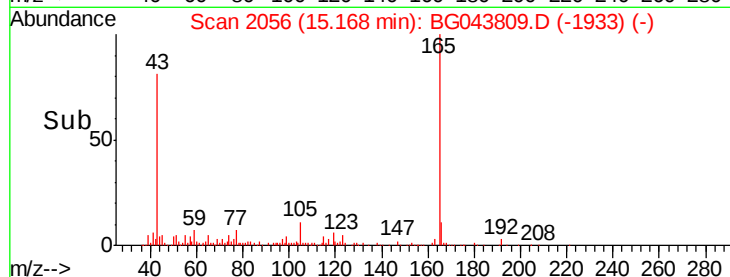
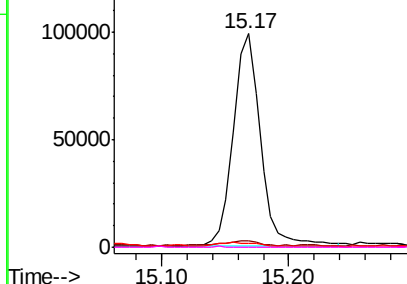
#57
 2,4-Dinitrotoluene
 Concen: 15.034 ng
 RT: 15.17 min Scan# 2056
 Delta R.T. 0.19 min
 Lab File: BG043809.D
 Acq: 12 Dec 2019 00:01

Instrument :
 BNA_G
 ClientSampleId :
 DARK-GREEN-BRICK

Tot Ion:165 Resp: 147622
 Ion Ratio Lower Upper
 165 100
 63 3.0 32.7 49.1#
 89 2.1 56.1 84.1#
 182 0.0 2.0 3.0#

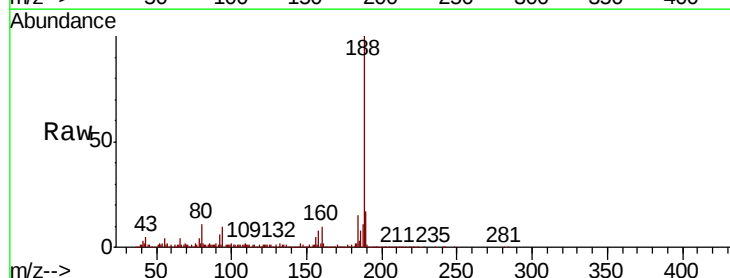


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

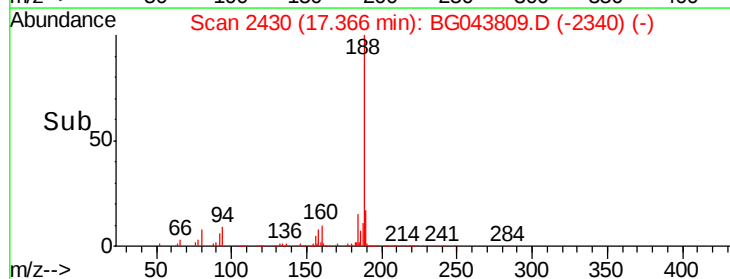
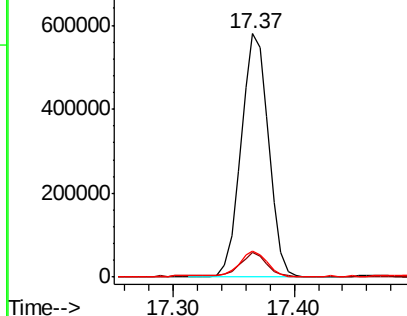


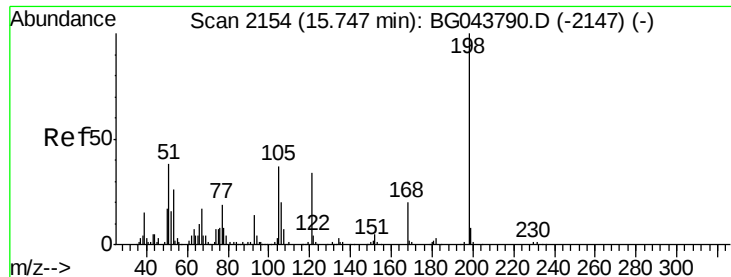
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG043809.D
 Acq: 12 Dec 2019 00:01

Tgt Ion:188 Resp: 916564
 Ion Ratio Lower Upper
 188 100
 94 10.0 6.9 10.3
 80 10.7 7.8 11.8



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





#65

4,6-Dinitro-2-methylphenol

Concen: 9.535 ng

RT: 15.73 min Scan# 2152

Delta R.T. -0.01 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

Instrument :

BNA_G

ClientSampleId :

DARK-GREEN-BRICK

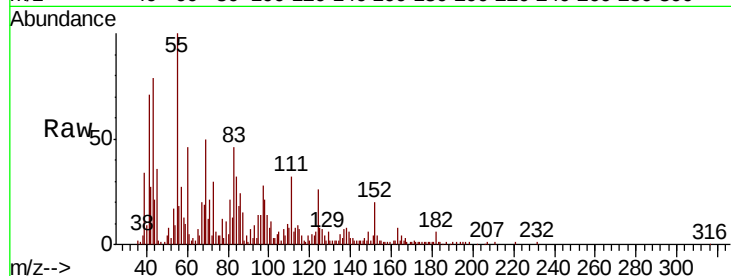
Tot Ion:198 Resp: 152

Ion Ratio Lower Upper

198 100

51 1003.4 18.9 58.9#

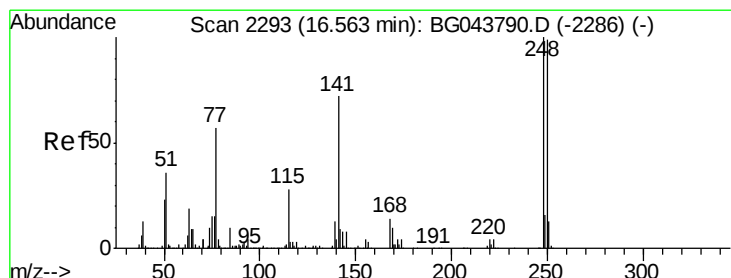
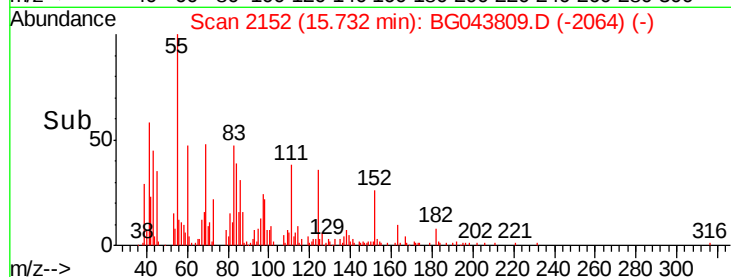
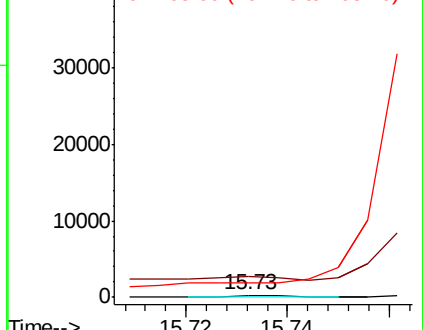
105 742.8 18.1 58.1#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG043790.D (-2147) (-)

Ion 105.00 (104.70 to 105.70): BG043790.D (-2147) (-)



#67

4-Bromophenyl-phenylether

Concen: 3.250 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

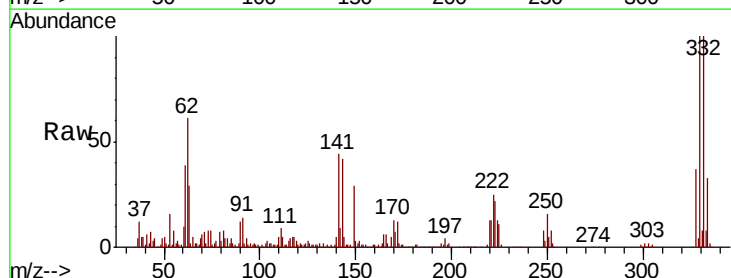
Tgt Ion:248 Resp: 31845

Ion Ratio Lower Upper

248 100

250 192.4 79.0 118.6#

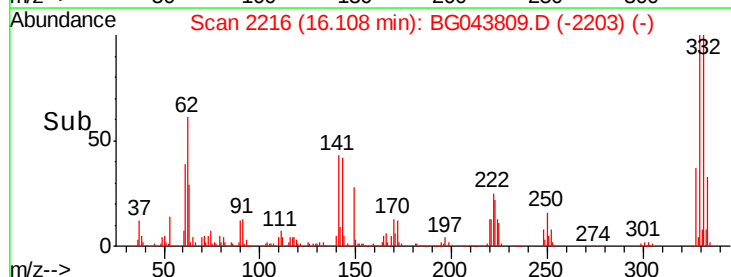
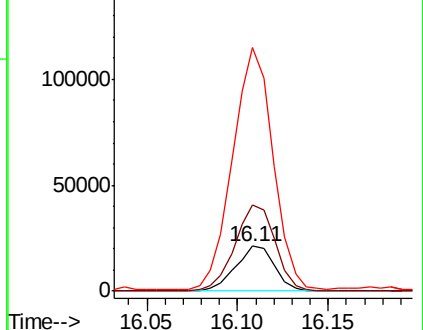
141 540.7 57.8 86.6#

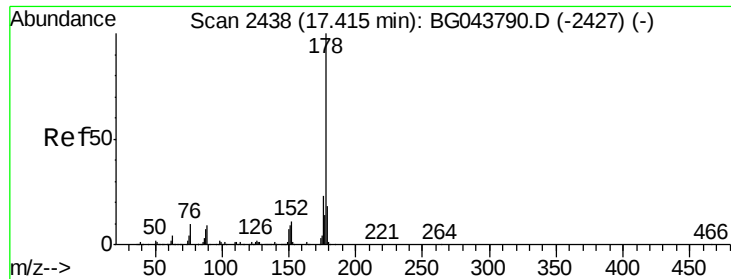


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG043790.D (-2286) (-)

Ion 141.00 (140.70 to 141.70): BG043790.D (-2286) (-)

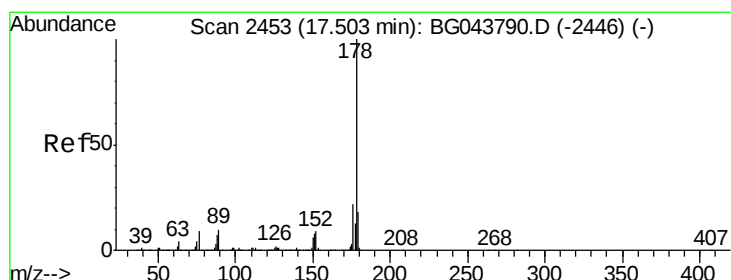
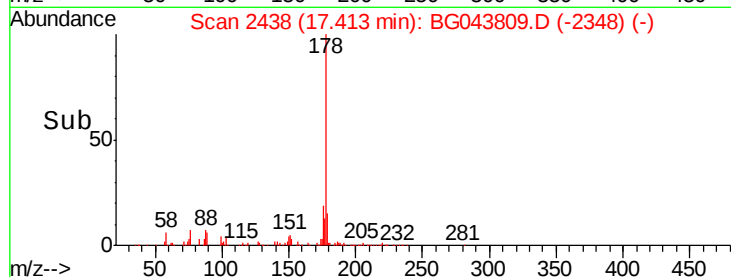
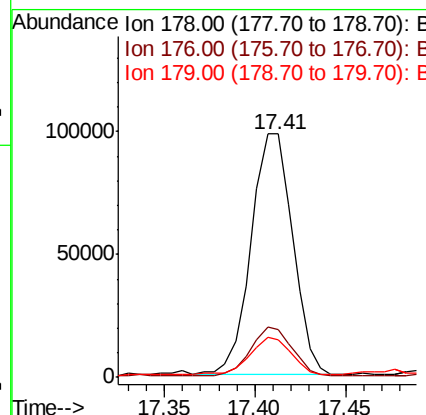
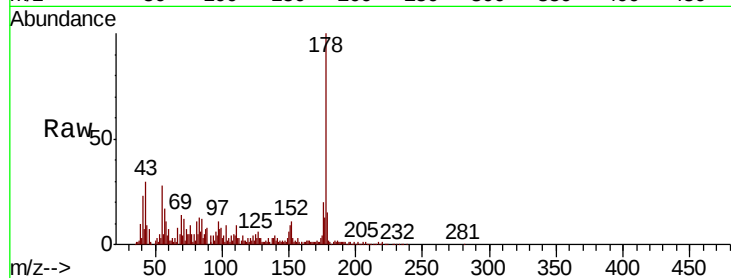




#71
Phenanthrene
Concen: 3.631 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

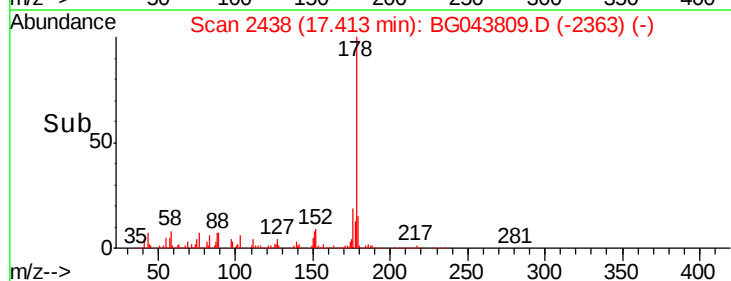
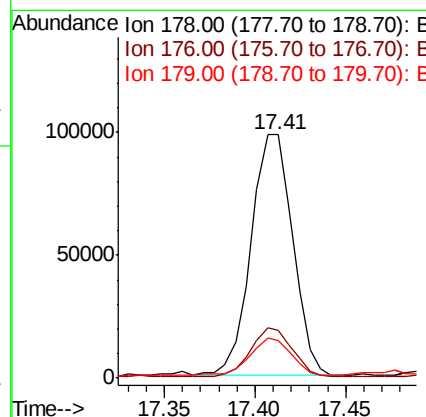
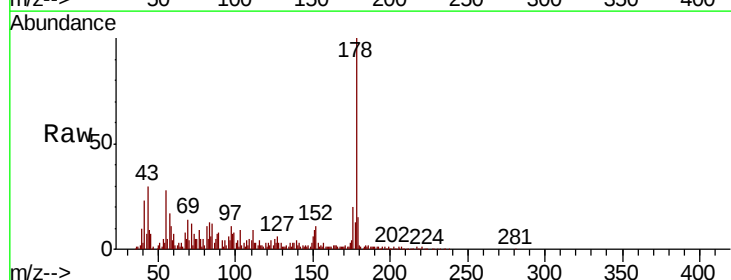
Instrument :
BNA_G
ClientSampleId :
DARK-GREEN-BRICK

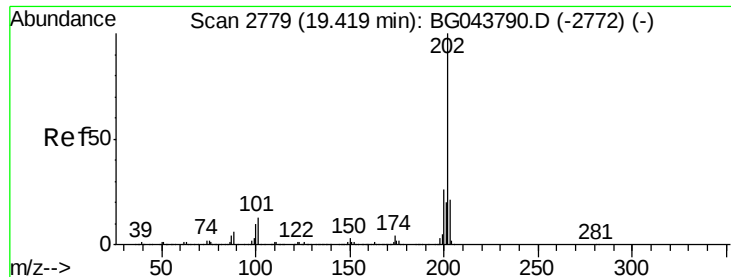
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	18.6	27.8
179	15.4	14.7	22.1



#72
Anthracene
Concen: 3.668 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.09 min
Lab File: BG043809.D
Acq: 12 Dec 2019 00:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	17.7	26.5
179	15.4	14.5	21.7





#75

Fluoranthene

Concen: 3.911 ng

RT: 19.42 min Scan# 2779

Delta R.T. -0.00 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

Instrument :

BNA_G

ClientSampleId :

DARK-GREEN-BRICK

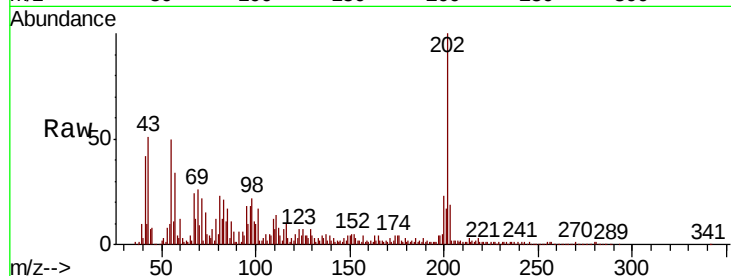
Tot Ion:202 Resp: 194246

Ion Ratio Lower Upper

202 100

101 16.9 0.0 32.7

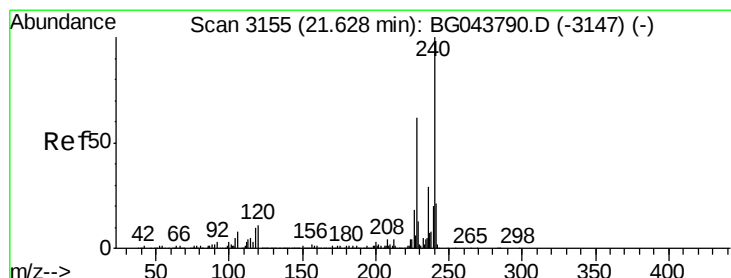
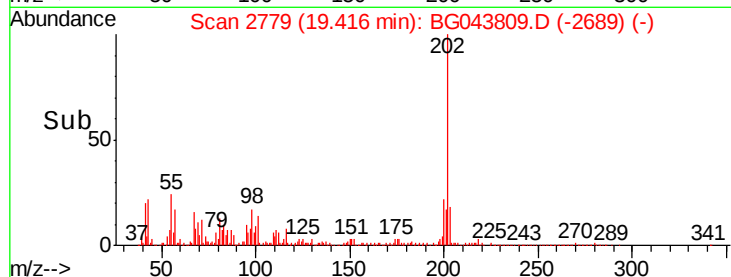
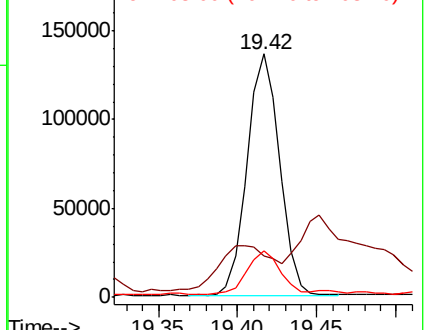
203 19.1 1.0 41.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

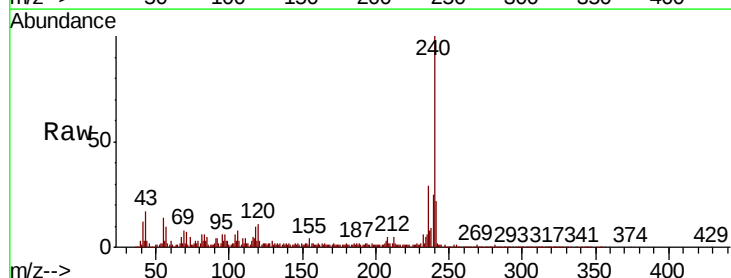
Tgt Ion:240 Resp: 767989

Ion Ratio Lower Upper

240 100

120 11.4 8.6 12.8

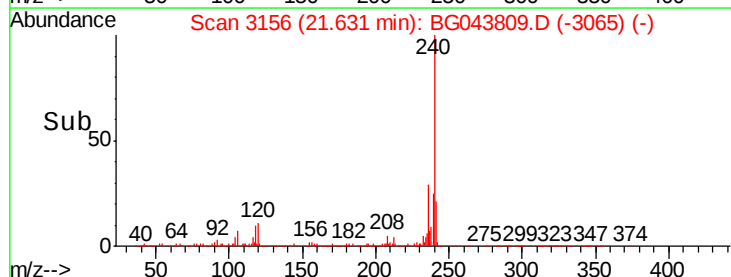
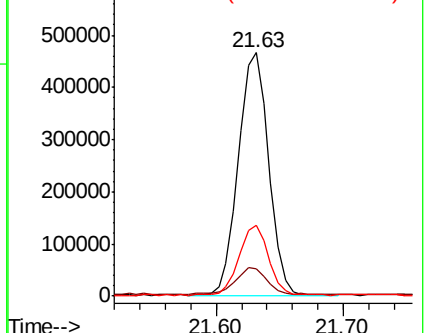
236 29.1 23.1 34.7

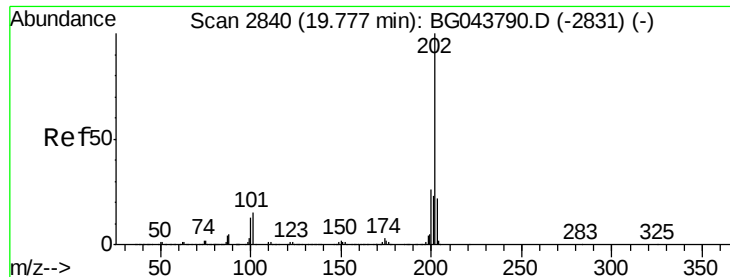


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.646 ng

RT: 19.77 min Scan# 2840

Delta R.T. -0.00 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

Instrument :

BNA_G

ClientSampleId :

DARK-GREEN-BRICK

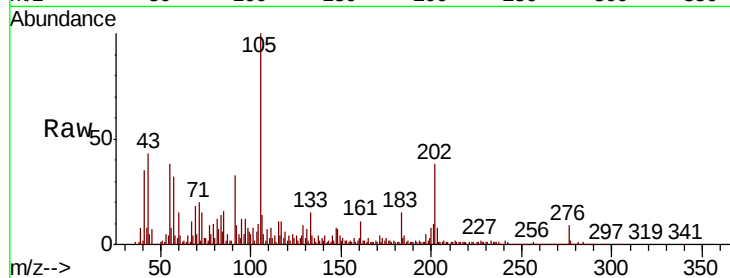
Tot Ion:202 Resp: 132795

Ion Ratio Lower Upper

202 100

200 22.4 20.8 31.2

203 20.1 17.7 26.5

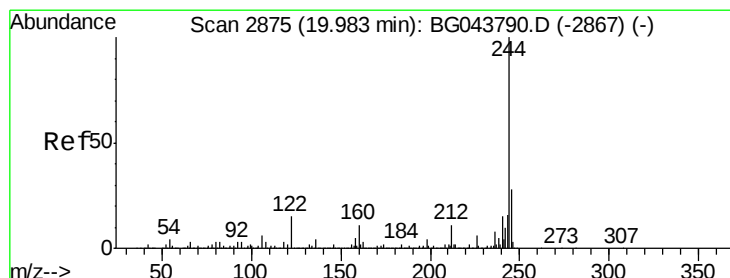
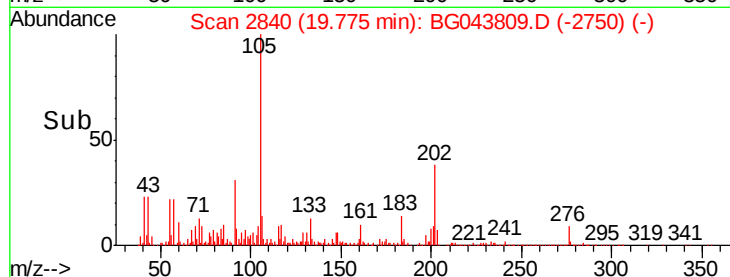
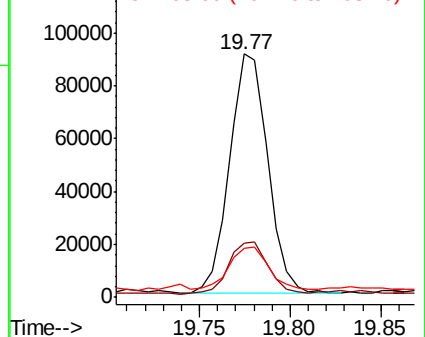


Abundance

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: 64.198 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

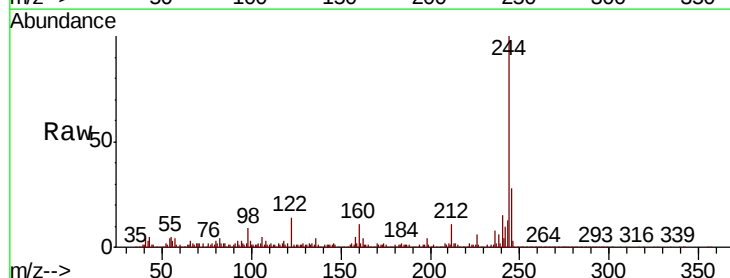
Tgt Ion:244 Resp: 2049369

Ion Ratio Lower Upper

244 100

212 11.2 9.1 13.7

122 13.9 11.6 17.4

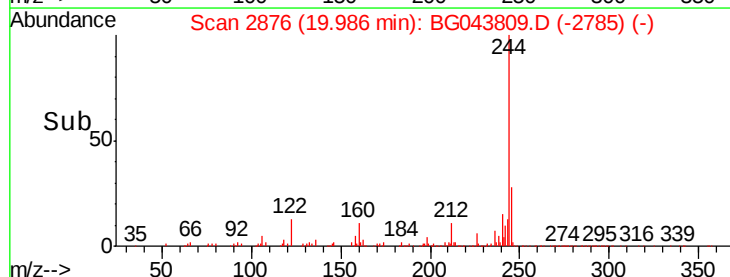
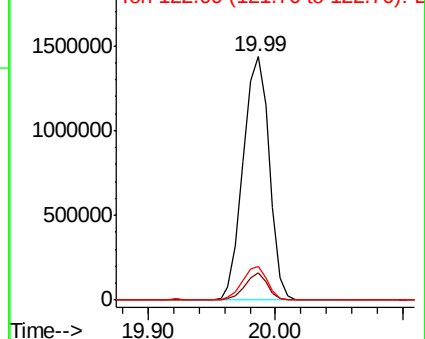


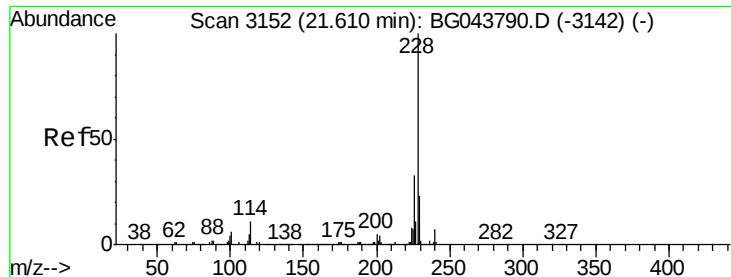
Abundance

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





#81

Benzo(a)anthracene

Concen: 2.592 ng

RT: 21.67 min Scan# 3163

Delta R.T. 0.06 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

Instrument :

BNA_G

ClientSampleId :

DARK-GREEN-BRICK

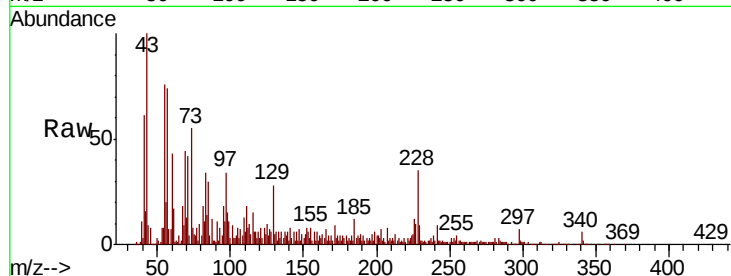
Tot Ion:228 Resp: 125643

Ion Ratio Lower Upper

228 100

226 33.2 26.1 39.1

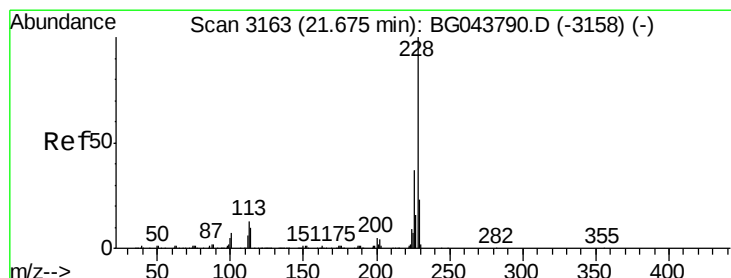
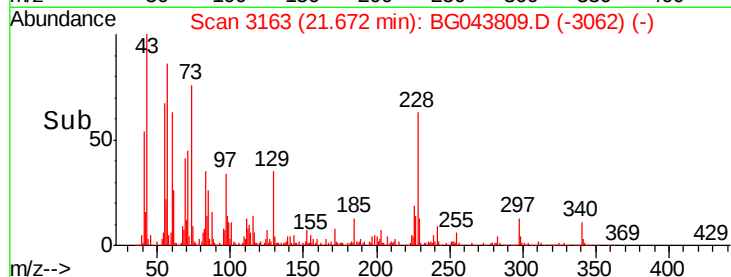
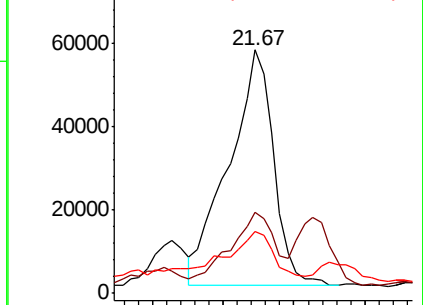
229 25.5 18.6 27.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.721 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.00 min

Lab File: BG043809.D

Acq: 12 Dec 2019 00:01

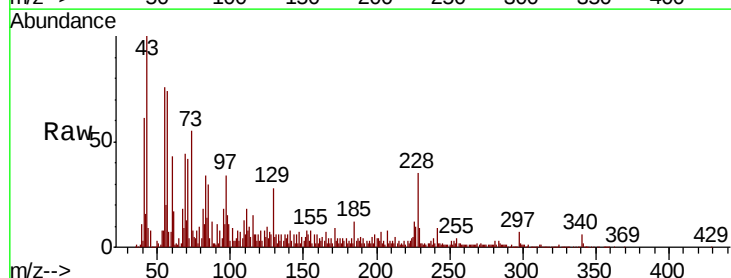
Tgt Ion:228 Resp: 125643

Ion Ratio Lower Upper

228 100

226 33.2 29.1 43.7

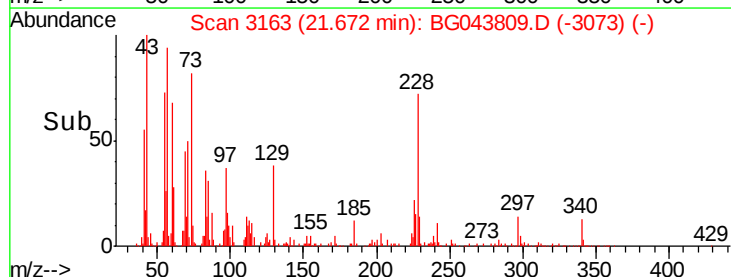
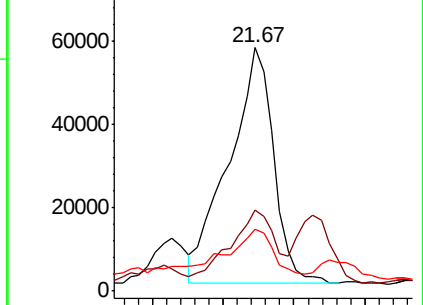
229 25.5 18.6 28.0

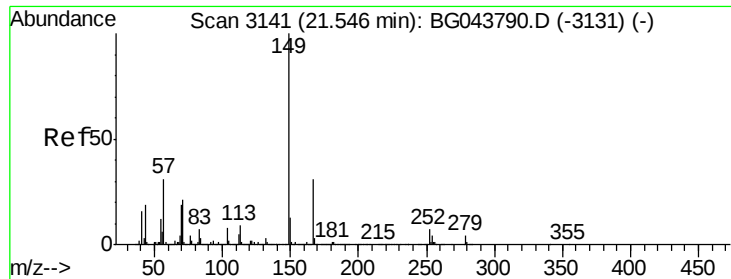


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

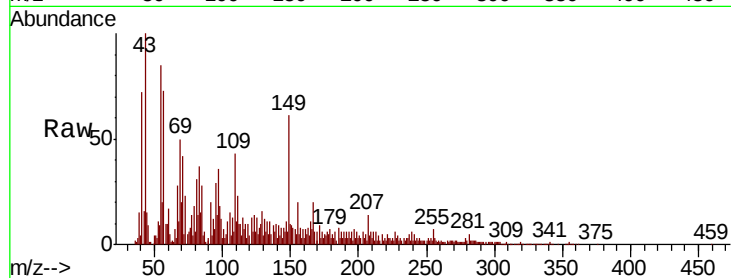




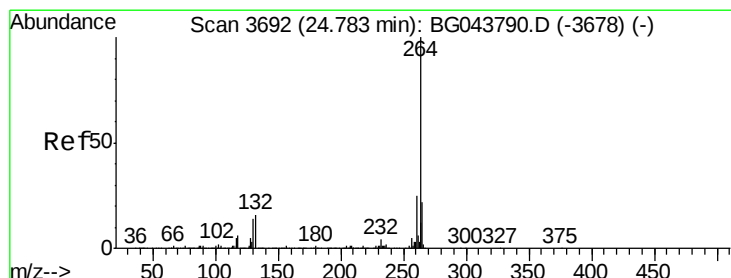
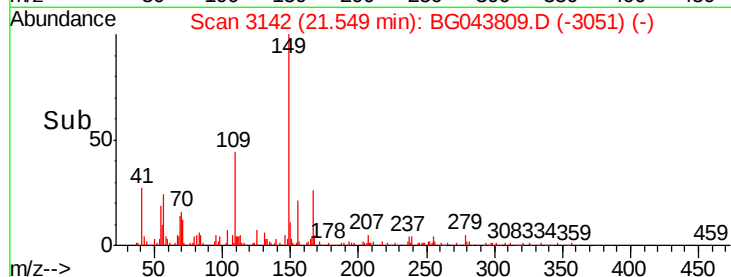
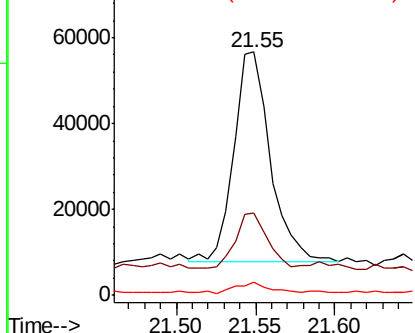
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.584 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: BG043809.D
 Acq: 12 Dec 2019 00:01

Instrument :
 BNA_G
 ClientSampleId :
 DARK-GREEN-BRICK

Tot Ion:149 Resp: 77482
 Ion Ratio Lower Upper
 149 100
 167 33.6 25.1 37.7
 279 5.7 3.5 5.3#

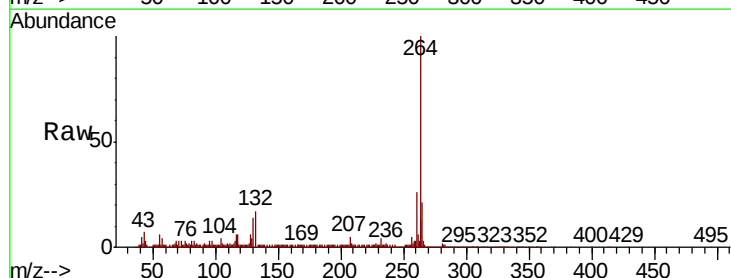


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.79 min Scan# 3694
 Delta R.T. 0.01 min
 Lab File: BG043809.D
 Acq: 12 Dec 2019 00:01

Tgt Ion:264 Resp: 885774
 Ion Ratio Lower Upper
 264 100
 260 25.9 19.8 29.8
 265 21.3 17.9 26.9



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

