

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
 Data File : BG045891.D
 Acq On : 30 Jun 2020 19:26
 Operator : CG/JU
 Sample : L3153-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP2-B

Quant Time: Jul 01 00:30:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 16:34:40 2020
 Response via : Initial Calibration

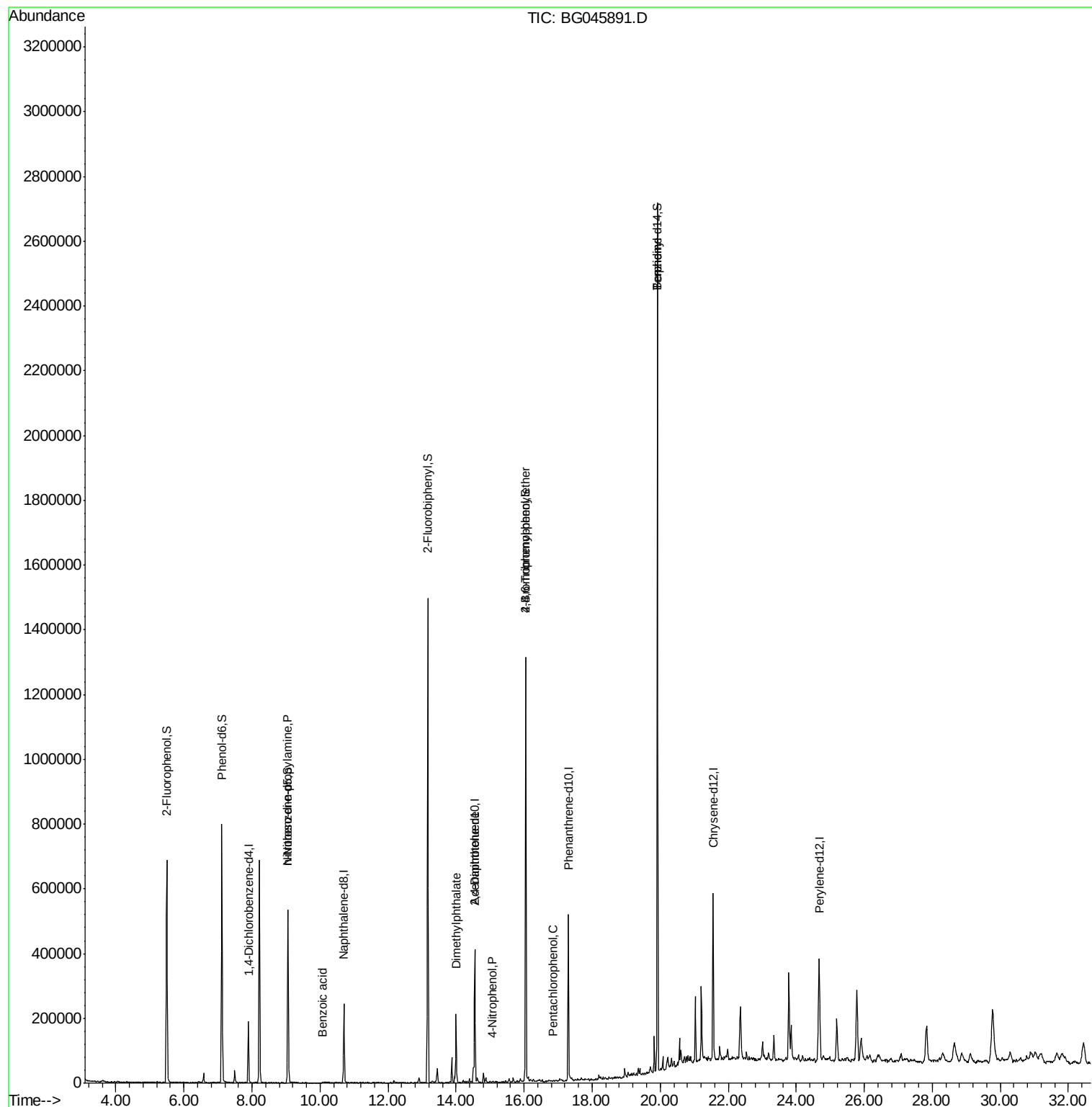
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	54158	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	212398	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	149231	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	338349	20.00	ng	0.00
76) Chrysene-d12	21.56	240	308389	20.00	ng	0.00
86) Perylene-d12	24.67	264	314968	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	340232	106.12	ng	0.00
7) Phenol-d6	7.11	99	528747	108.42	ng	0.00
23) Nitrobenzene-d5	9.06	82	363011	78.08	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	262637	116.57	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	815169	80.27	ng	0.00
79) Terphenyl-d14	19.92	244	1289786	84.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	51034	15.918	ng	Qvalue # 79
32) Benzoic acid	10.08	122	1908	9.736	ng	93
50) Dimethylphthalate	14.00	163	145957	12.485	ng	98
56) 4-Nitrophenol	15.05	139	66	4.006	ng	# 1
57) 2,4-Dinitrotoluene	14.55	165	19561	5.199	ng	# 24
67) 4-Bromophenyl-phenylether	16.05	248	16643	3.786	ng	# 1
70) Pentachlorophenol	16.85	266	58	7.656	ng	# 19
77) Benzidine	19.92	184	22804	2.844	ng	# 88

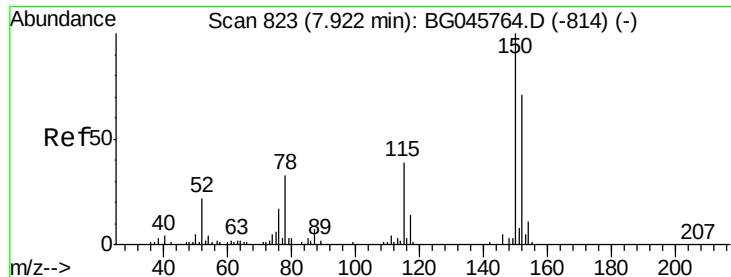
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
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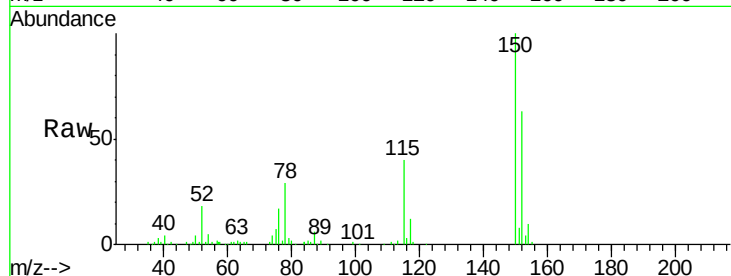


#1

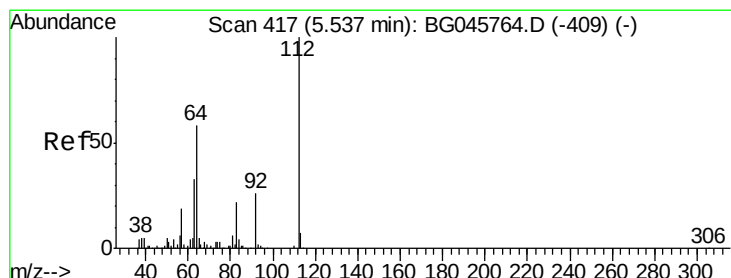
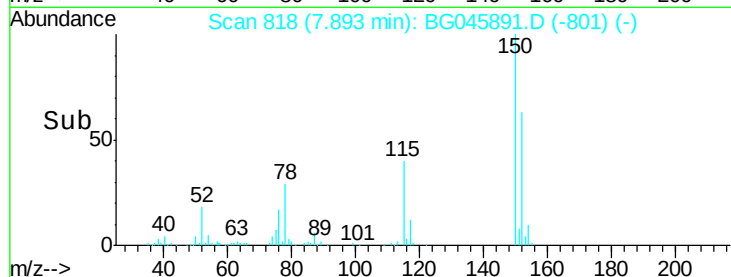
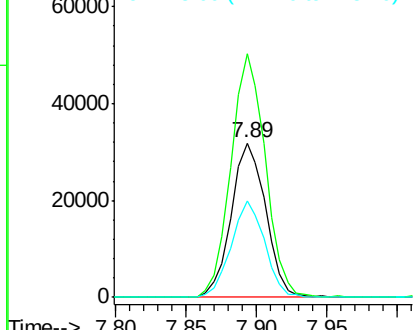
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 818
Delta R.T. -0.00 min
Lab File: BG045891.D
Acq: 30 Jun 2020 19:26

Instrument :
BNA_G
ClientSampleId :
SP2-B

Tot Ion	152	Resp	54158
Ion Ratio	Lower	Upper	
152	100		
150	157.5	121.2	181.8
115	62.4	47.5	71.3



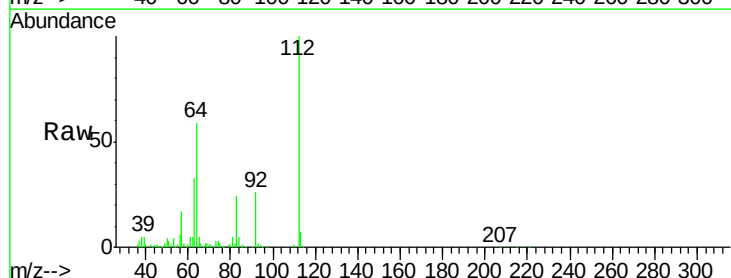
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



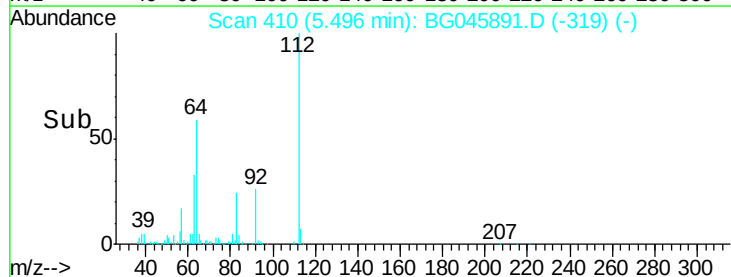
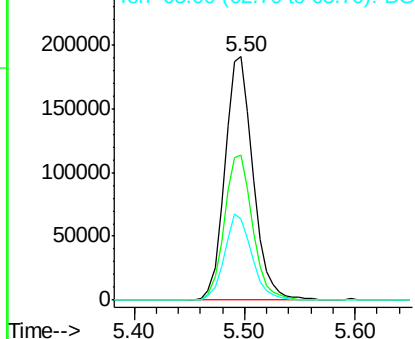
#5

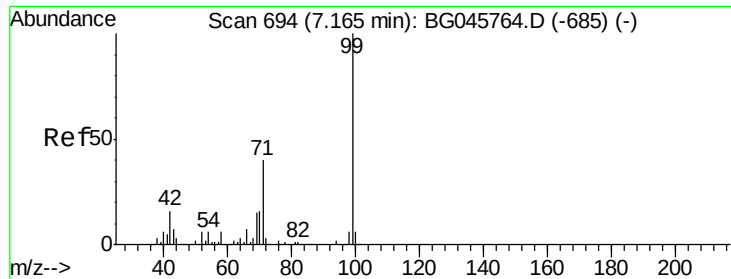
2-Fluorophenol
Concen: 106.121 ng
RT: 5.50 min Scan# 410
Delta R.T. 0.00 min
Lab File: BG045891.D
Acq: 30 Jun 2020 19:26

Tgt Ion	112	Resp	340232
Ion Ratio	Lower	Upper	
112	100		
64	59.4	48.5	72.7
63	33.3	26.5	39.7



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: 108.423 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.00 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

Instrument :

BNA_G

ClientSampleId :

SP2-B

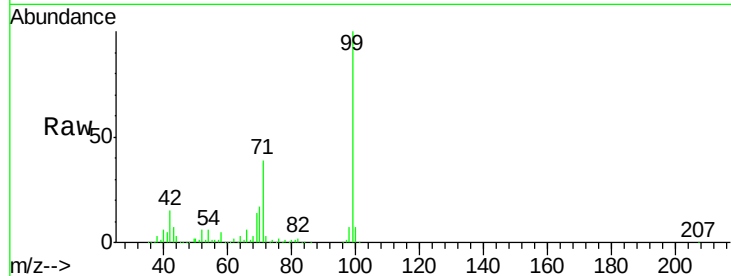
Tot Ion: 99 Resp: 528747

Ion Ratio Lower Upper

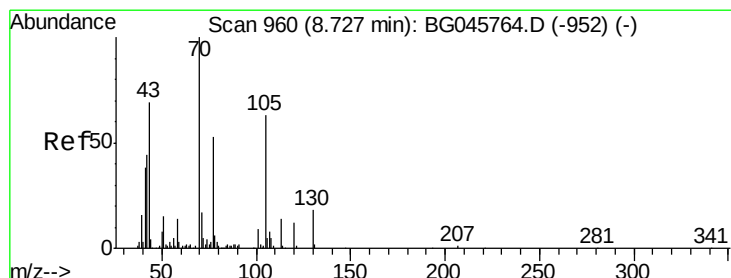
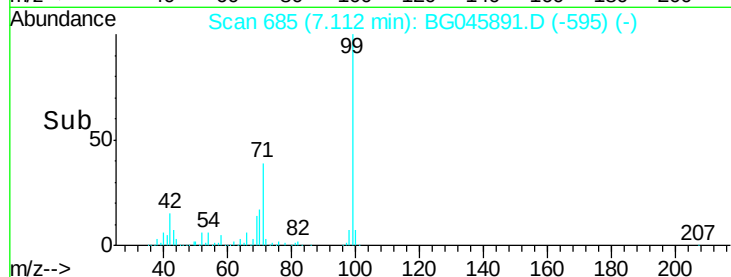
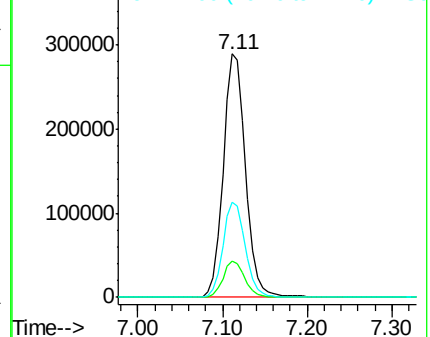
99 100

42 14.7 12.0 18.0

71 39.2 31.0 46.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.918 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

Tgt Ion: 70 Resp: 51034

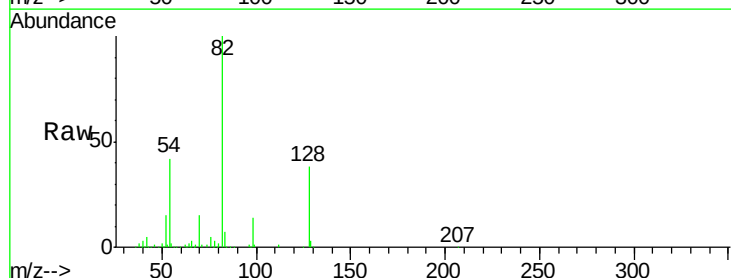
Ion Ratio Lower Upper

70 100

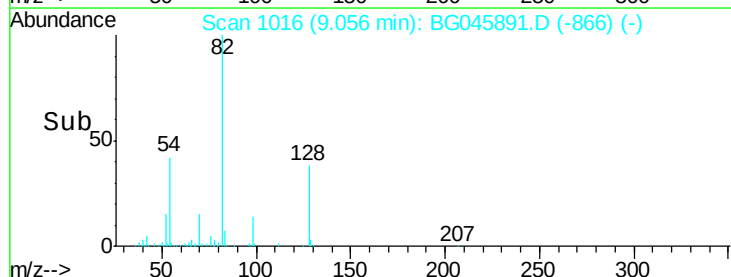
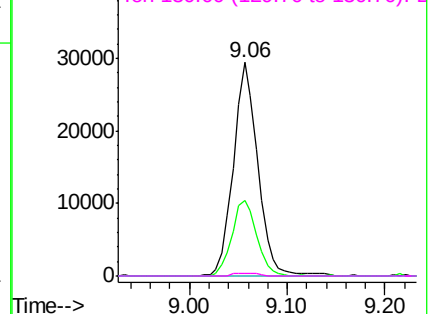
42 35.3 33.9 50.9

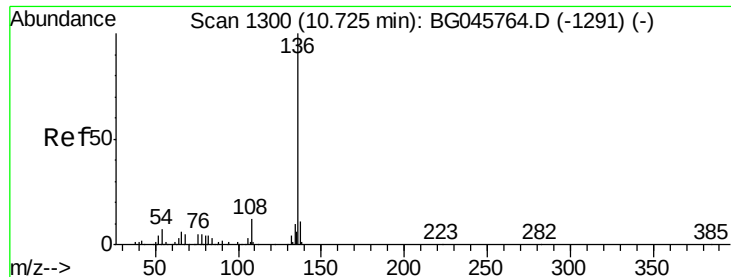
101 0.0 8.0 12.0#

130 1.0 14.9 22.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.70 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

Instrument :

BNA_G

ClientSampleId :

SP2-B

Tot Ion:136 Resp: 212398

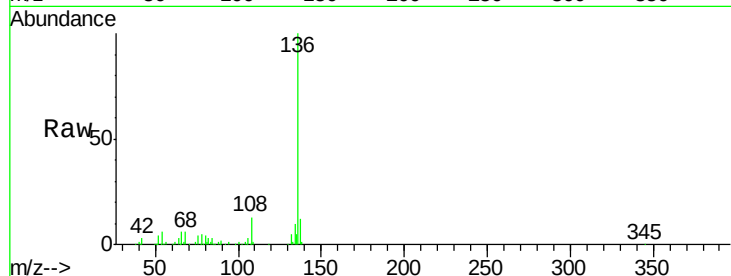
Ion Ratio Lower Upper

136 100

137 11.7 9.4 14.0

54 5.6 4.9 7.3

68 5.6 3.9 5.9

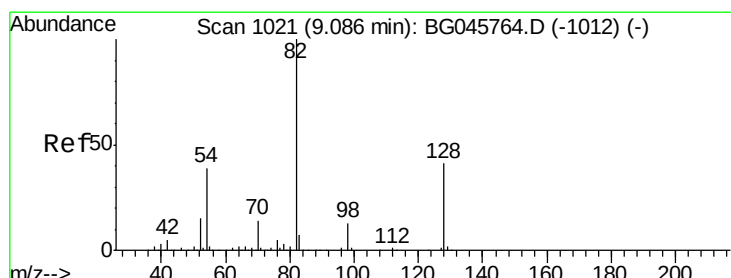
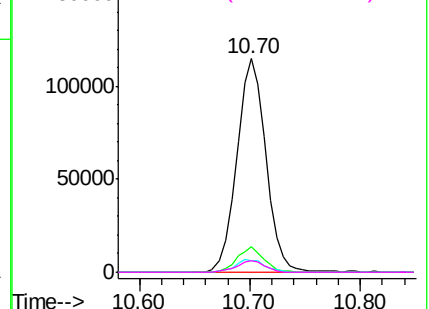
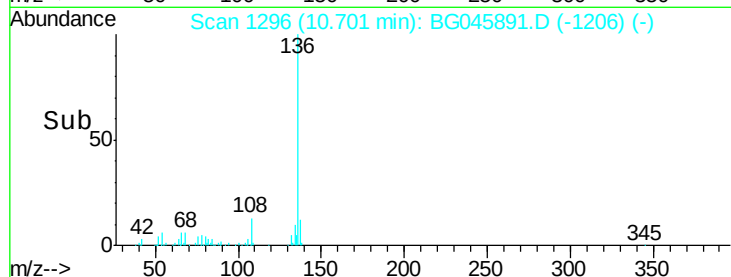


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.078 ng

RT: 9.06 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

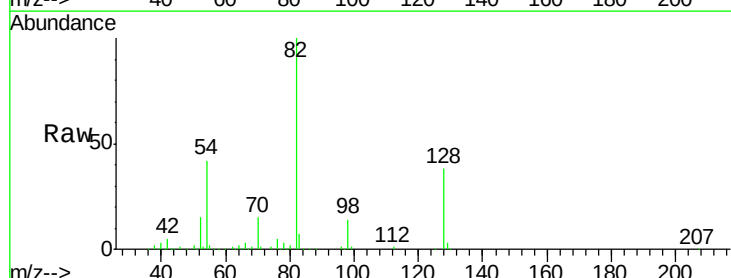
Tgt Ion: 82 Resp: 363011

Ion Ratio Lower Upper

82 100

128 37.8 31.3 46.9

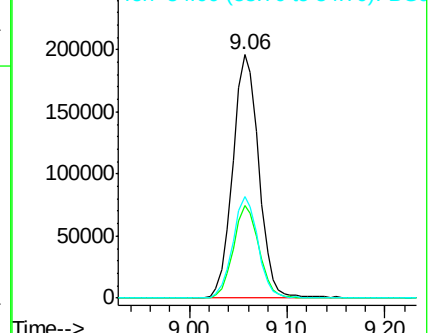
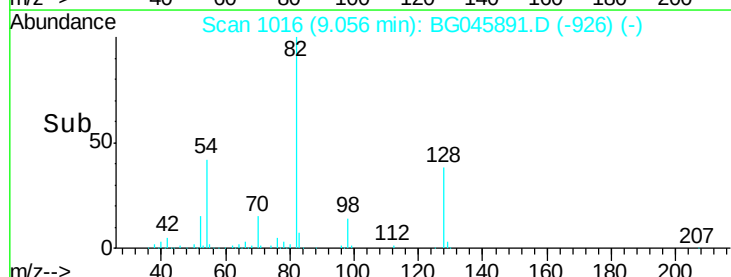
54 41.8 32.6 49.0

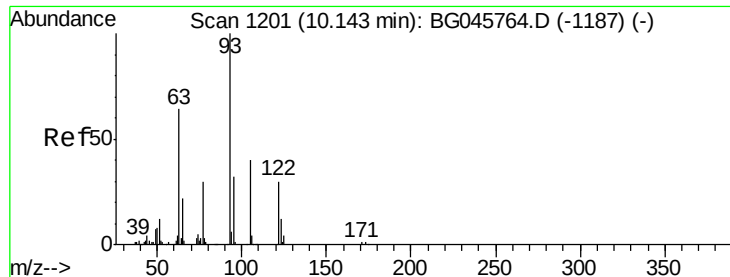


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 9.736 ng

RT: 10.08 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

Instrument :

BNA_G

ClientSampleId :

SP2-B

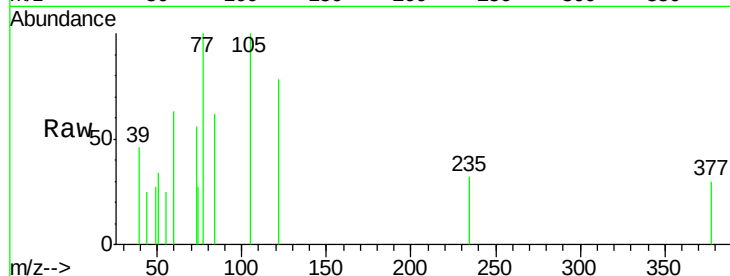
Tot Ion:122 Resp: 1908

Ion Ratio Lower Upper

122 100

105 128.2 110.1 150.1

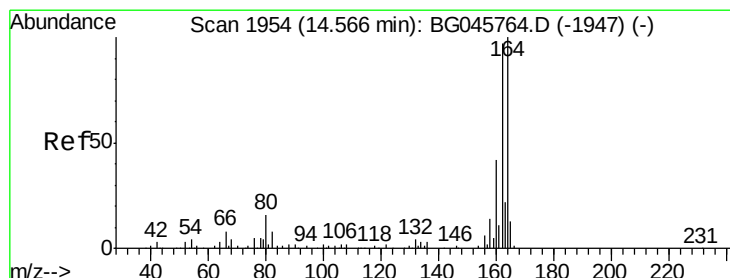
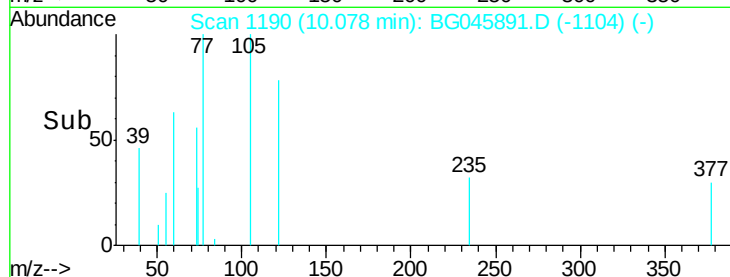
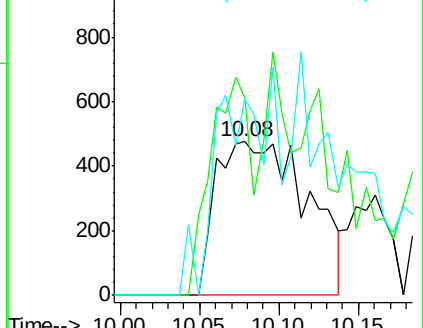
77 127.5 94.1 134.1



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: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

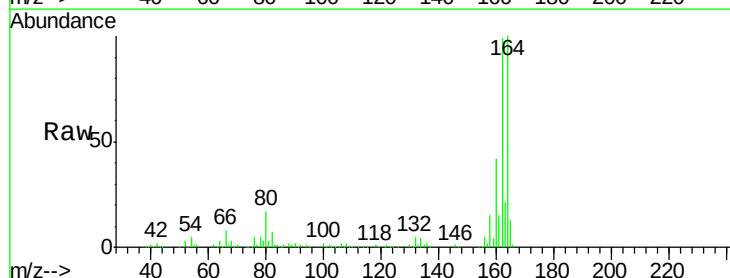
Tgt Ion:164 Resp: 149231

Ion Ratio Lower Upper

164 100

162 98.8 80.6 120.8

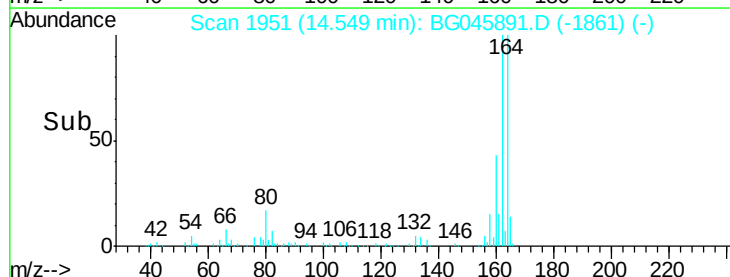
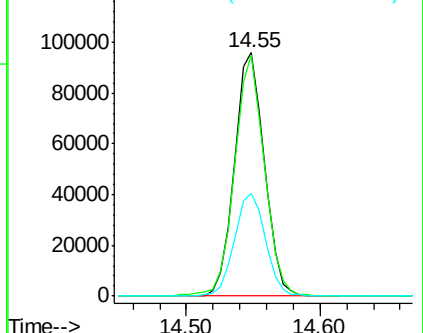
160 42.4 35.0 52.4

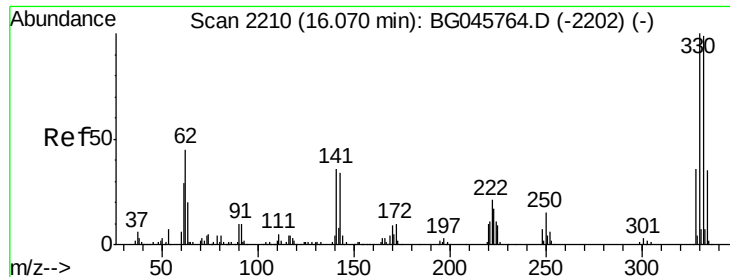


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 116.572 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

Instrument :

BNA_G

ClientSampleId :

SP2-B

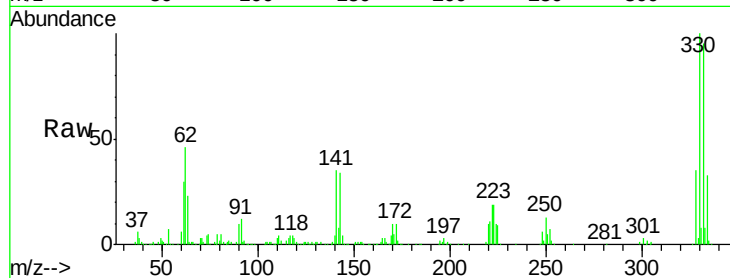
Tot Ion:330 Resp: 262637

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

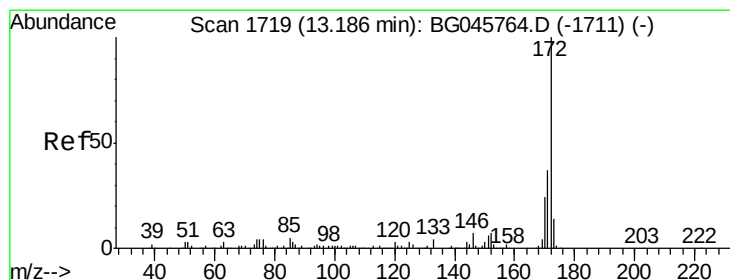
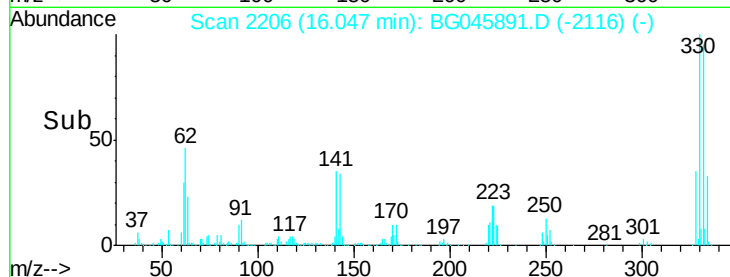
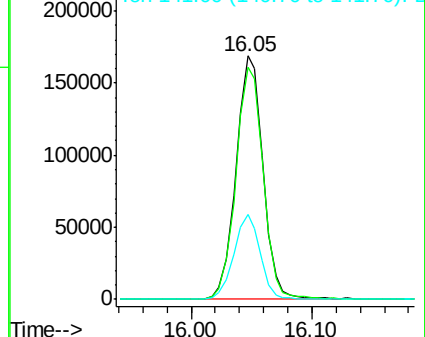
141 34.3 27.7 41.5



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: 80.274 ng

RT: 13.17 min Scan# 1716

Delta R.T. -0.00 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

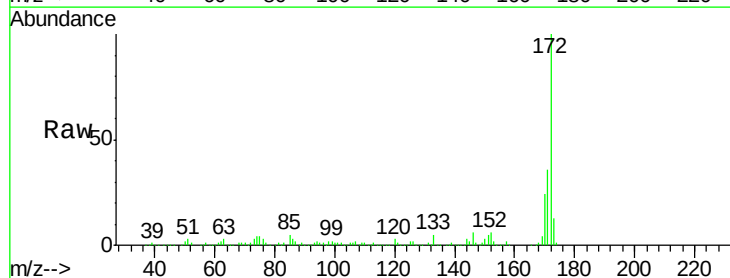
Tgt Ion:172 Resp: 815169

Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

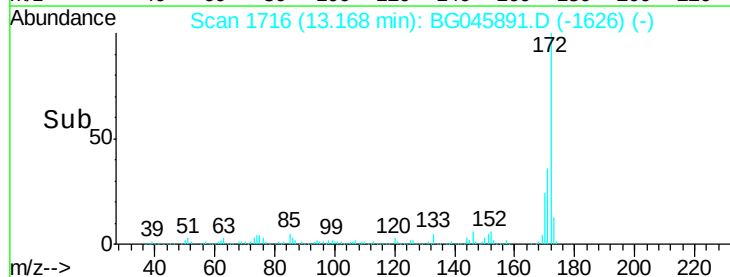
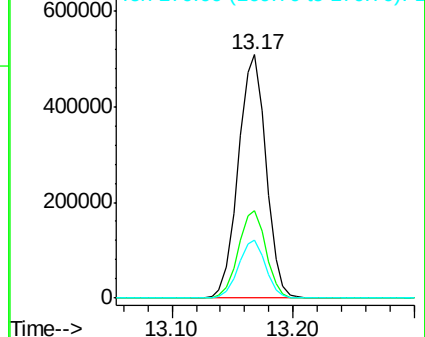
170 23.7 19.1 28.7

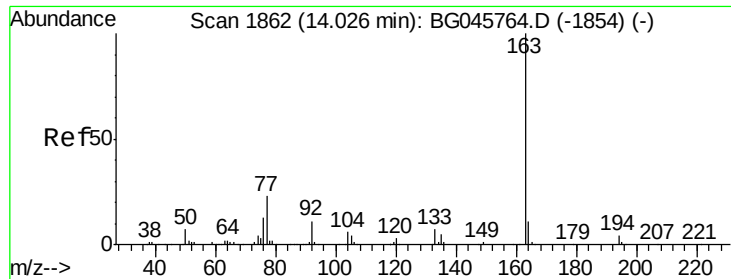


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 12.485 ng

RT: 14.00 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

Instrument :

BNA_G

ClientSampleId :

SP2-B

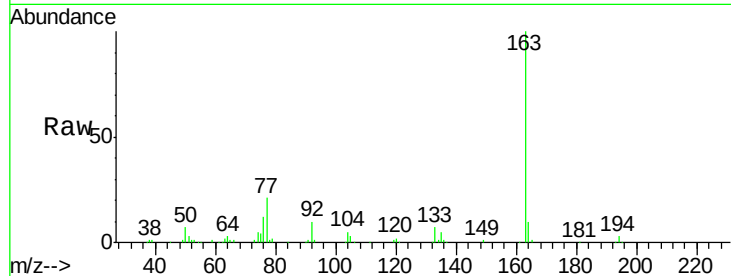
Tot Ion:163 Resp: 145957

Ion Ratio Lower Upper

163 100

194 3.5 3.3 4.9

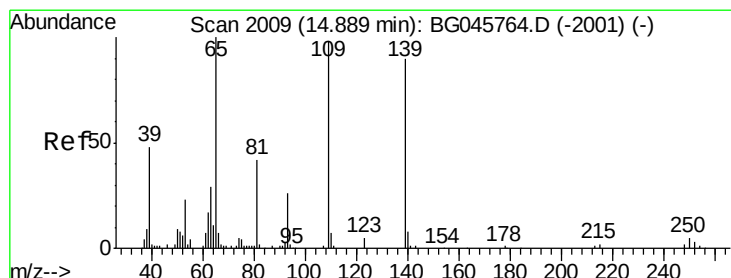
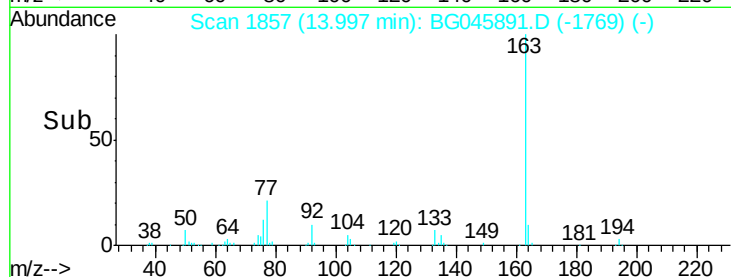
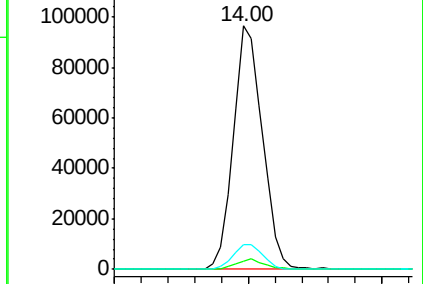
164 10.2 8.8 13.2



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: 4.006 ng

RT: 15.05 min Scan# 2036

Delta R.T. 0.21 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

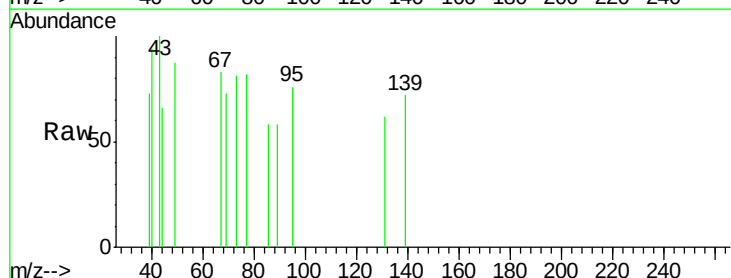
Tgt Ion:139 Resp: 66

Ion Ratio Lower Upper

139 100

109 0.0 83.9 123.9#

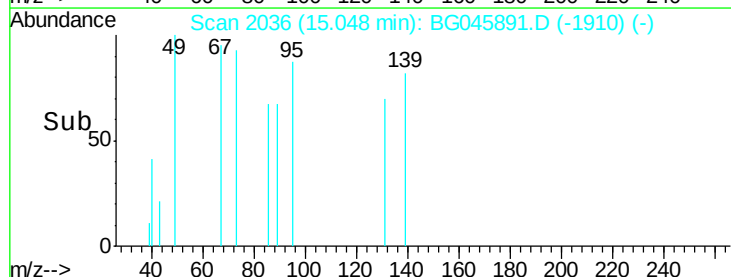
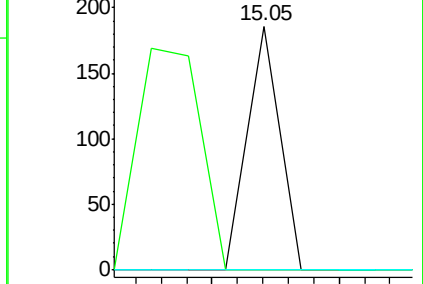
65 0.0 87.8 127.8#

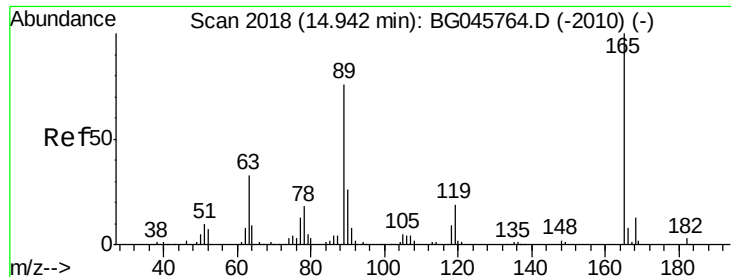


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

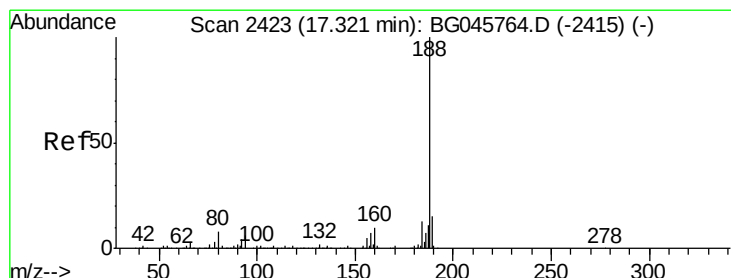
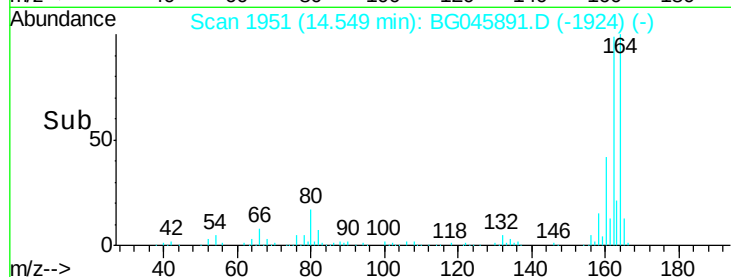
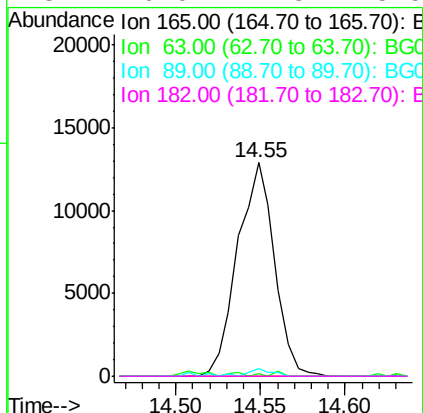
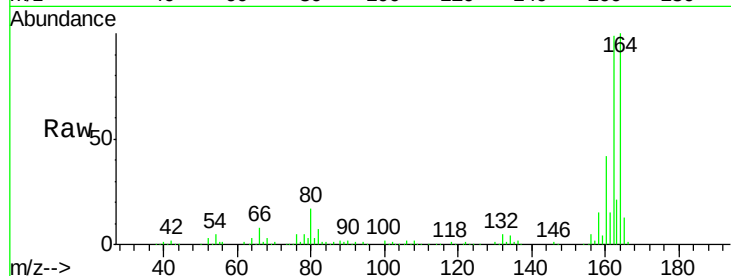




#57
 2,4-Dinitrotoluene
 Concen: 5.199 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.37 min
 Lab File: BG045891.D
 Acq: 30 Jun 2020 19:26

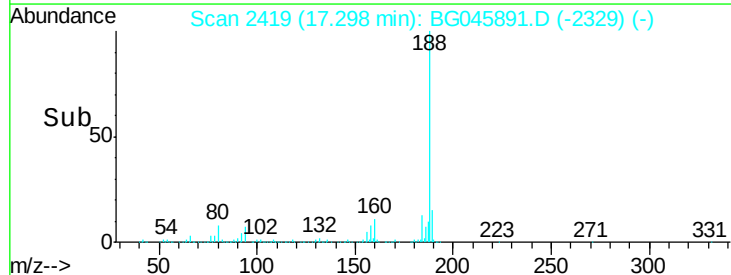
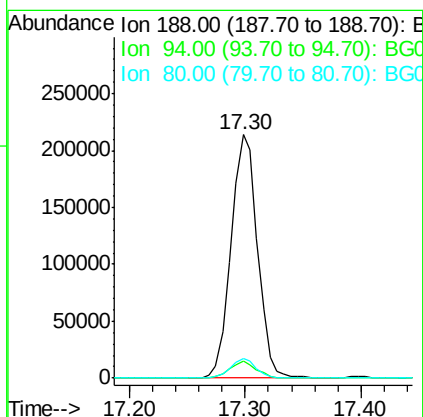
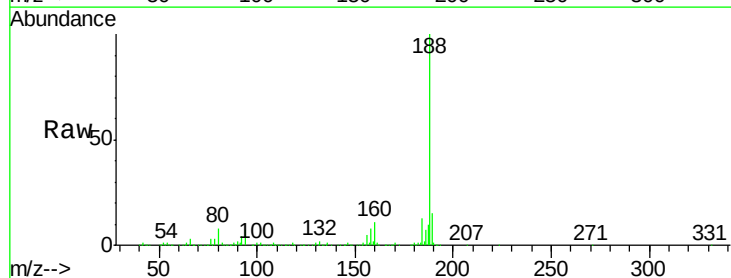
Instrument :
 BNA_G
 ClientSampleId :
 SP2-B

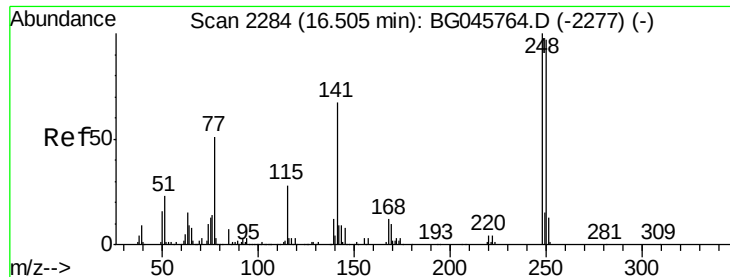
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	35.2	52.8#
89	3.8	61.4	92.2#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG045891.D
 Acq: 30 Jun 2020 19:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	8.3	6.6	10.0

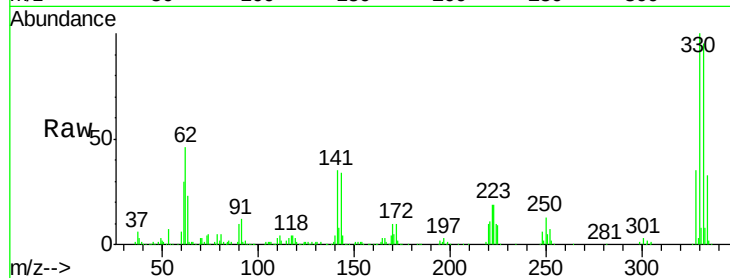




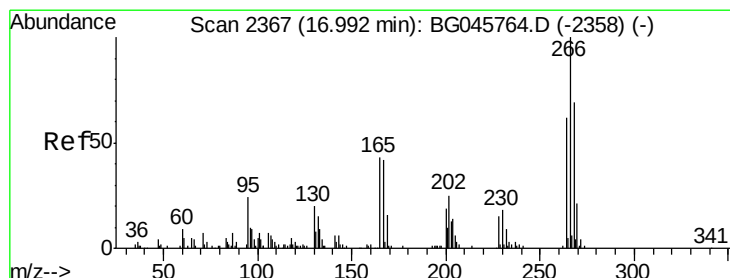
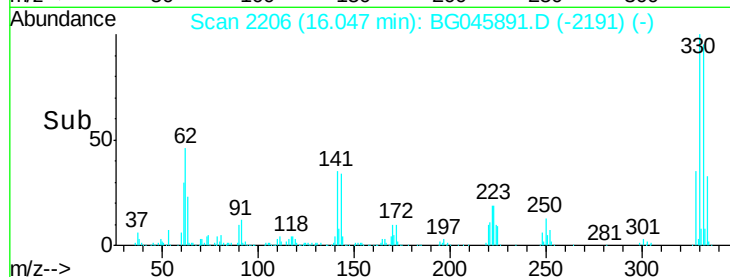
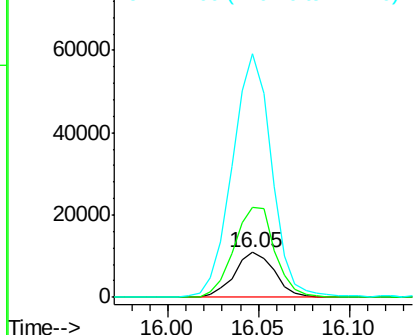
#67
4-Bromophenyl-phenylether
Concen: 3.786 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.44 min
Lab File: BG045891.D
Acq: 30 Jun 2020 19:26

Instrument :
BNA_G
ClientSampleId :
SP2-B

Tot Ion:248 Resp: 16643
Ion Ratio Lower Upper
248 100
250 200.5 76.8 115.2#
141 545.3 52.6 79.0#

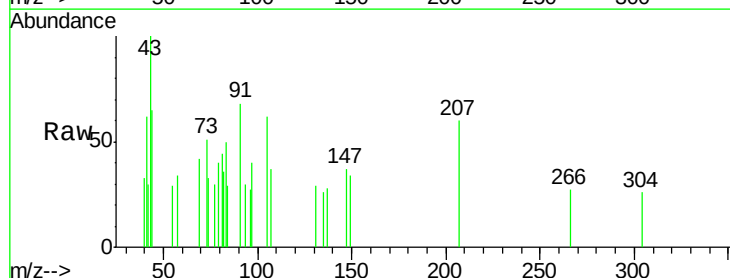


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

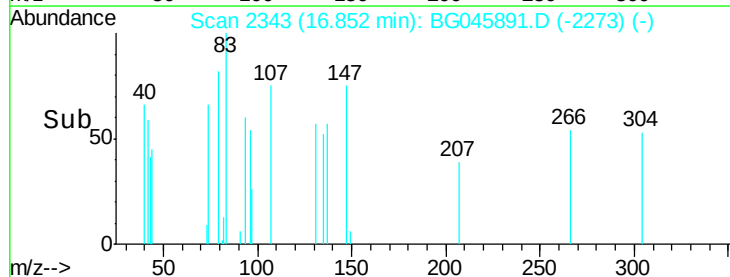
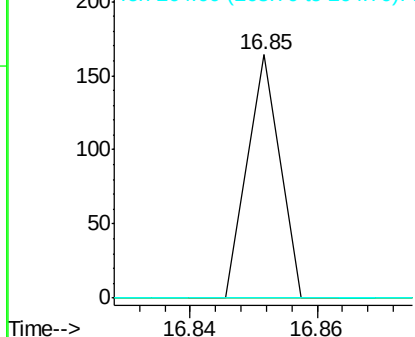


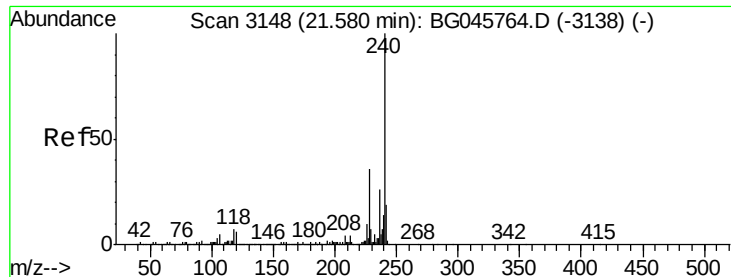
#70
Pentachlorophenol
Concen: 7.656 ng
RT: 16.85 min Scan# 2343
Delta R.T. -0.12 min
Lab File: BG045891.D
Acq: 30 Jun 2020 19:26

Tgt Ion:266 Resp: 58
Ion Ratio Lower Upper
266 100
268 0.0 50.9 76.3#
264 0.0 49.8 74.8#



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: 21.56 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

Instrument :

BNA_G

ClientSampled :

SP2-B

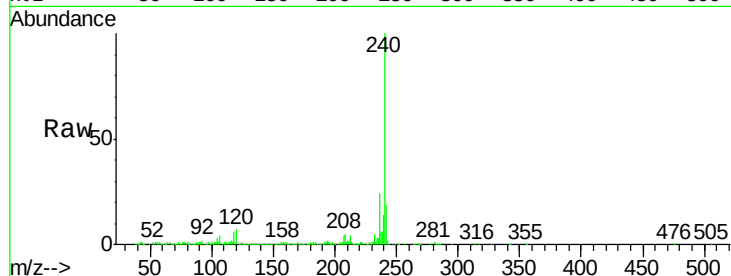
Tot Ion:240 Resp: 308389

Ion Ratio Lower Upper

240 100

120 6.9 5.6 8.4

236 23.8 21.3 31.9

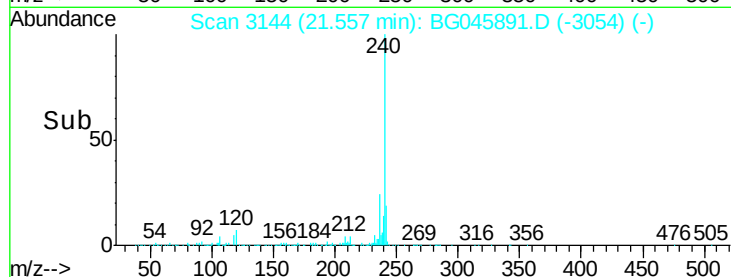


Abundance Ion 240.00 (239.70 to 240.70): E

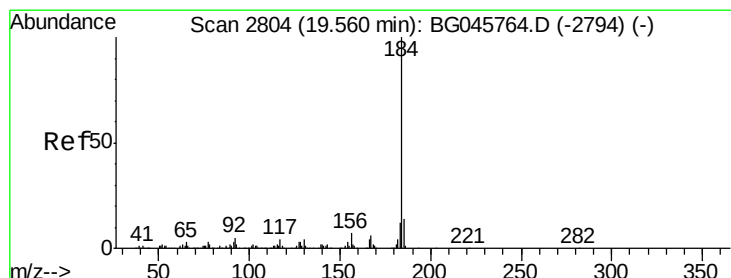
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.56



Time-->



#77

Benzidine

Concen: 2.844 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.37 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

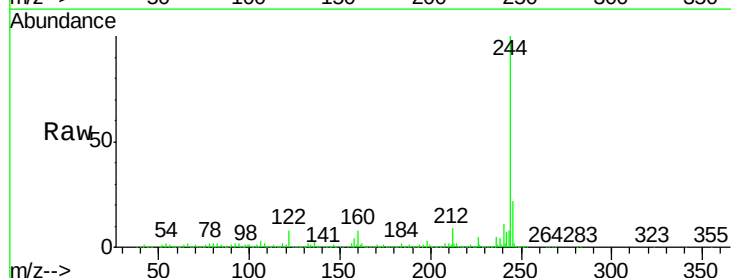
Tgt Ion:184 Resp: 22804

Ion Ratio Lower Upper

184 100

185 18.2 10.6 15.8#

183 8.5 10.1 15.1#

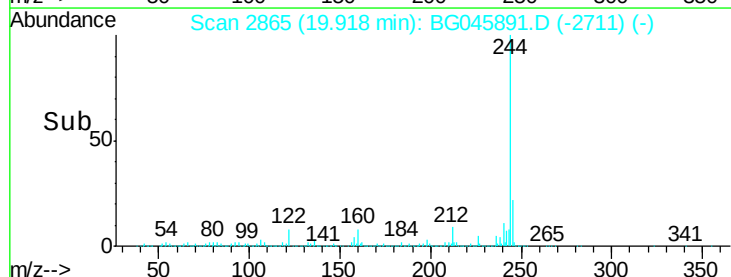


Abundance Ion 184.00 (183.70 to 184.70): E

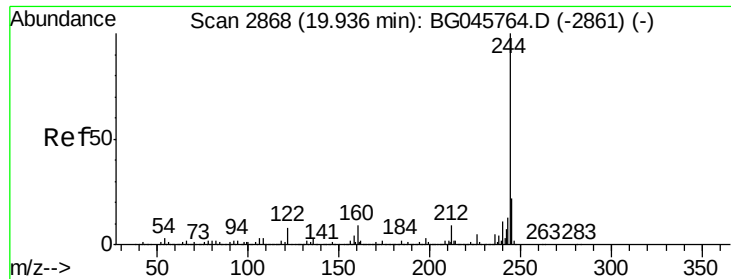
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

19.92



Time-->



#79

Terphenyl-d14

Concen: 84.759 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

Instrument :

BNA_G

ClientSampleId :

SP2-B

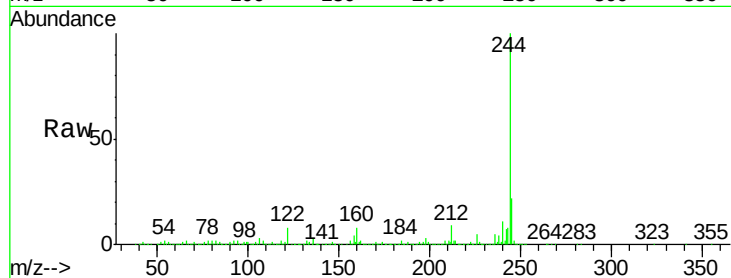
Tot Ion:244 Resp: 1289786

Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

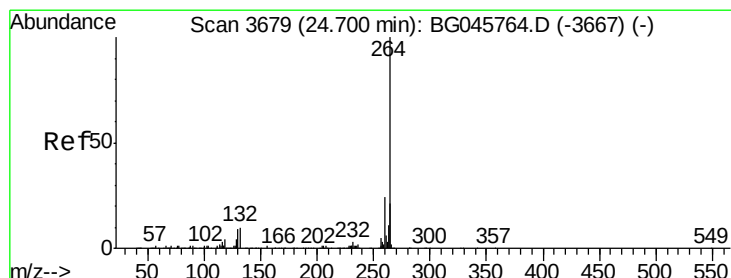
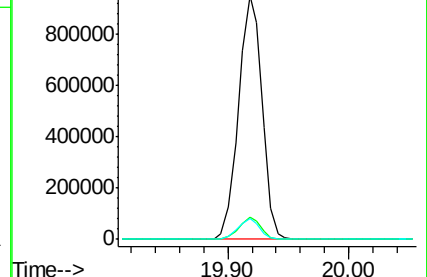
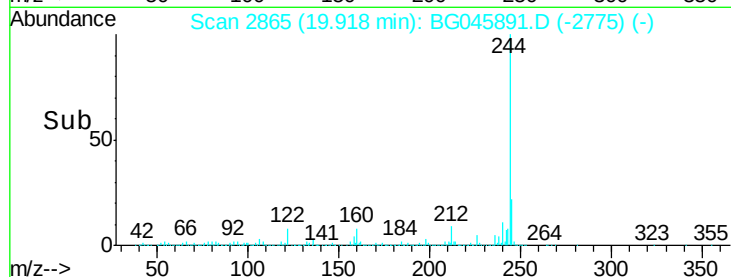
122 8.4 6.9 10.3



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG045891.D

Acq: 30 Jun 2020 19:26

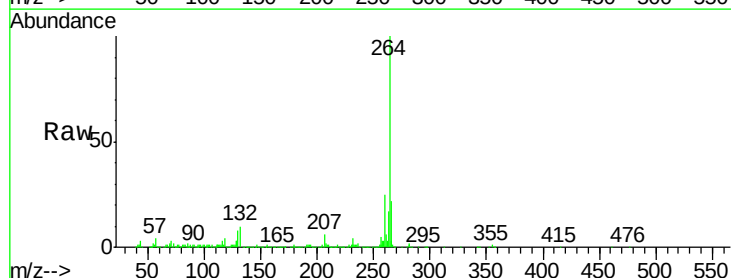
Tgt Ion:264 Resp: 314968

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 22.2 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

