

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062320\
 Data File : BG045838.D
 Acq On : 23 Jun 2020 13:35
 Operator : CG/JU
 Sample : L3033-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS043MW011-200615

Quant Time: Jun 23 14:26:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	54454	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	210760	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	142982	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	316620	20.00	ng	0.00
76) Chrysene-d12	21.57	240	317357	20.00	ng	0.00
86) Perylene-d12	24.70	264	346273	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	110752	34.36	ng	0.00
7) Phenol-d6	7.14	99	102745	20.95	ng	-0.02
23) Nitrobenzene-d5	9.08	82	323166	70.05	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	185586	85.97	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	670080	68.87	ng	0.00
79) Terphenyl-d14	19.93	244	1178951	75.29	ng	0.00

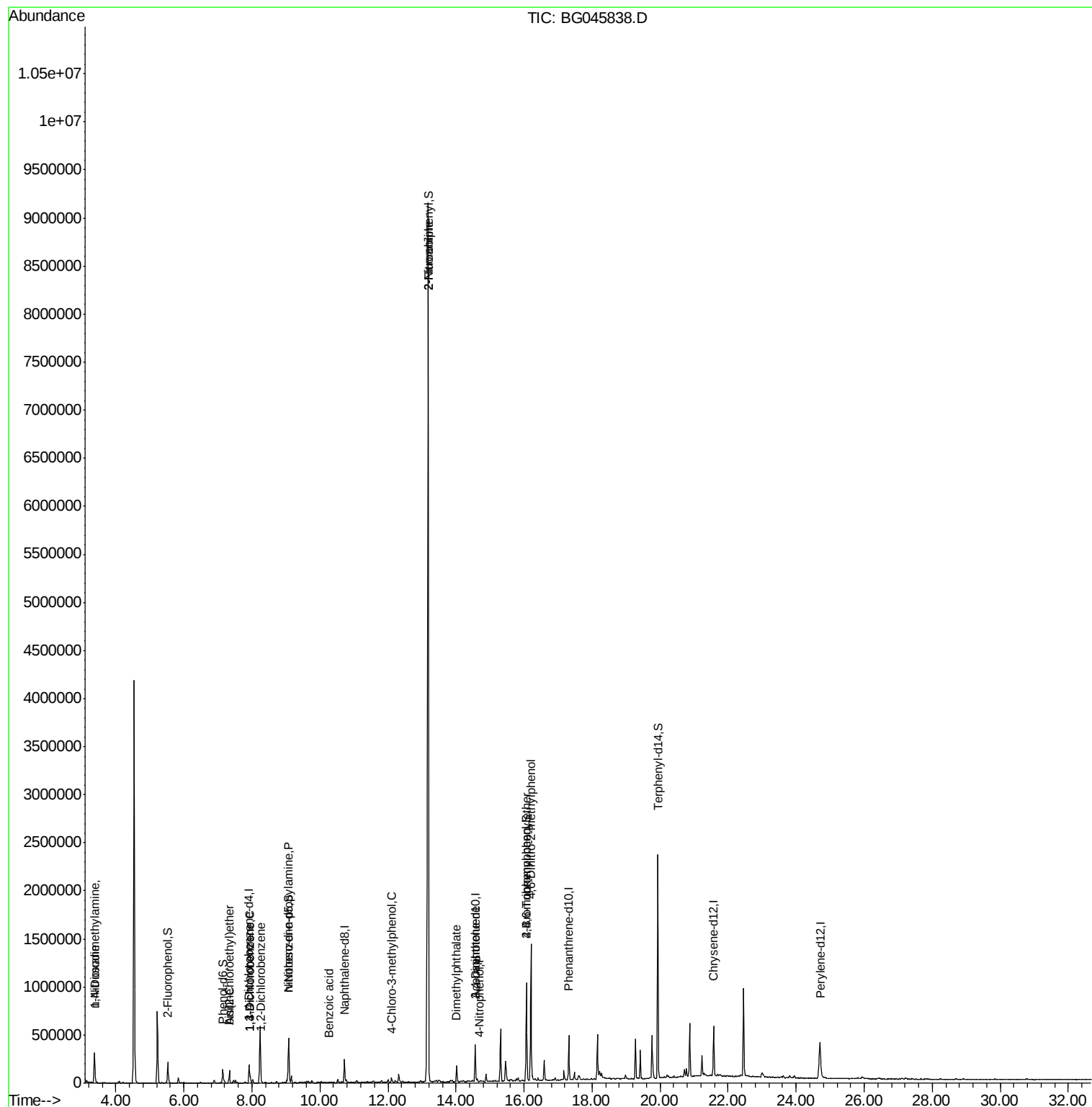
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	252474	171.004	ng	98
4) n-Nitrosodimethylamine	3.37	42	14027	9.551	ng	# 1
6) Aniline	7.34	93	82662	14.317	ng	# 57
11) bis(2-Chloroethyl)ether	7.34	93	82662	22.906	ng	95
12) 1,3-Dichlorobenzene	7.95	146	29191	7.099	ng	98
13) 1,4-Dichlorobenzene	7.95	146	29191	7.107	ng	97
14) 1,2-Dichlorobenzene	8.27	146	10112	2.572	ng	91
19) n-Nitroso-di-n-propylamine	9.08	70	45429	14.092	ng	# 82
32) Benzoic acid	10.25	122	73	9.007	ng	# 14
36) 4-Chloro-3-methylphenol	12.11	107	12378	2.937	ng	# 23
48) 2-Nitroaniline	13.19	65	102845	37.390	ng	# 1
50) Dimethylphthalate	14.02	163	113041	10.092	ng	98
56) 4-Nitrophenol	14.69	139	77	4.014	ng	98
57) 2,4-Dinitrotoluene	14.56	165	19164	5.317	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.20	198	129694	66.282	ng	# 40
67) 4-Bromophenyl-phenylether	16.07	248	12509	3.041	ng	# 1

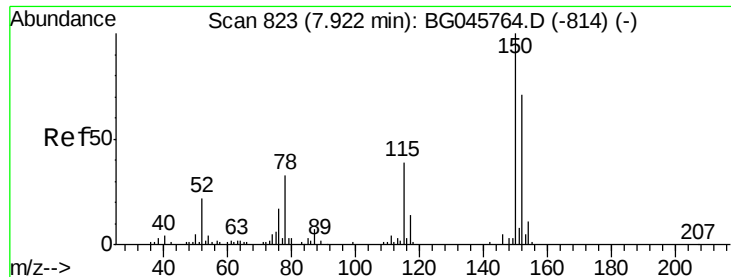
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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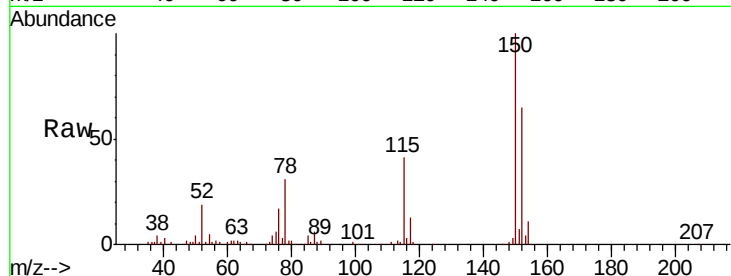


#1

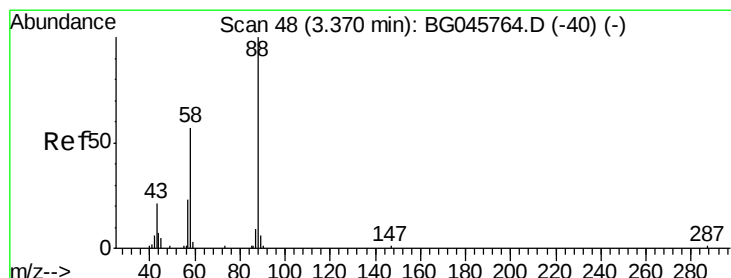
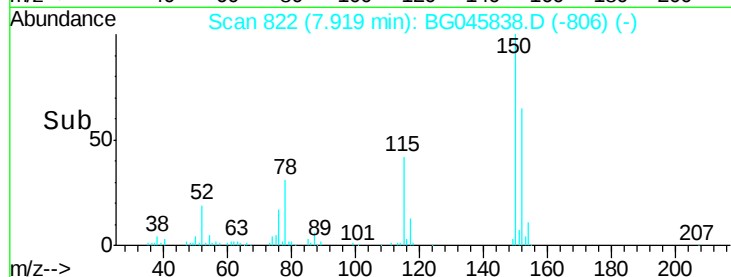
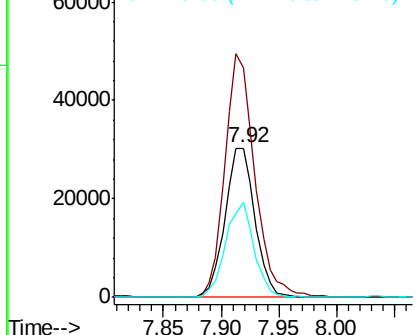
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

Instrument :
BNA_G
ClientSampleId :
SS043MW011-200615

Tot Ion:152 Resp: 54454
Ion Ratio Lower Upper
152 100
150 153.7 113.1 169.7
115 63.6 43.8 65.6



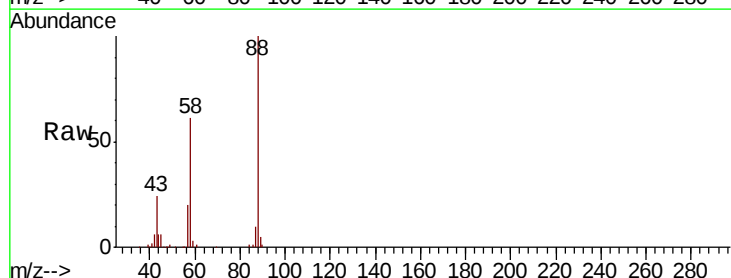
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



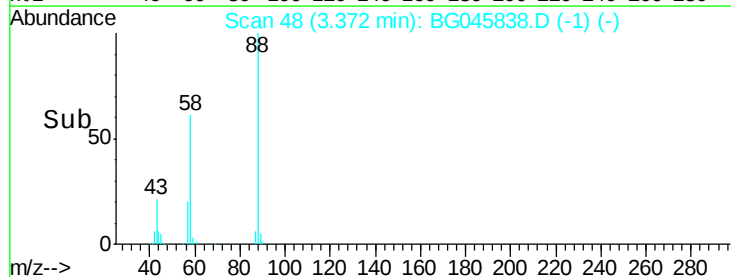
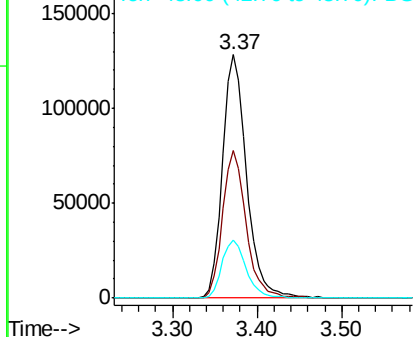
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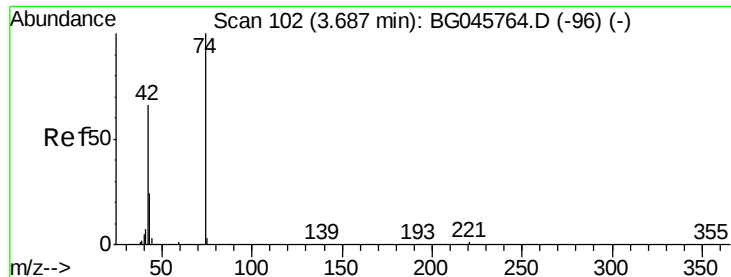
1,4-Dioxane
Concen: 171.004 ng
RT: 3.37 min Scan# 48
Delta R.T. 0.00 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

Tgt Ion: 88 Resp: 252474
Ion Ratio Lower Upper
88 100
58 59.6 46.1 69.1
43 24.1 19.2 28.8



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 9.551 ng

RT: 3.37 min Scan# 48

Delta R.T. -0.31 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

Instrument :

BNA_G

ClientSampleId :

SS043MW011-200615

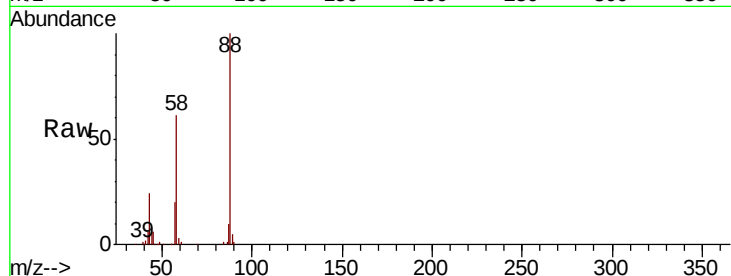
Tot Ion: 42 Resp: 14027

Ion Ratio Lower Upper

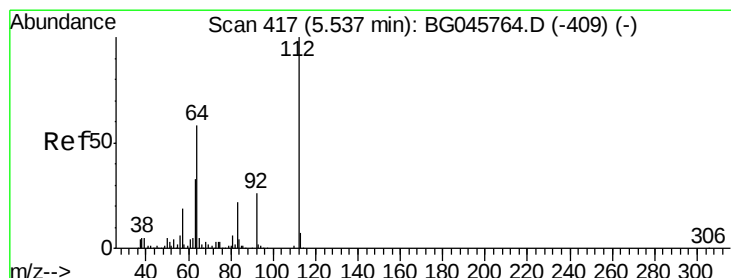
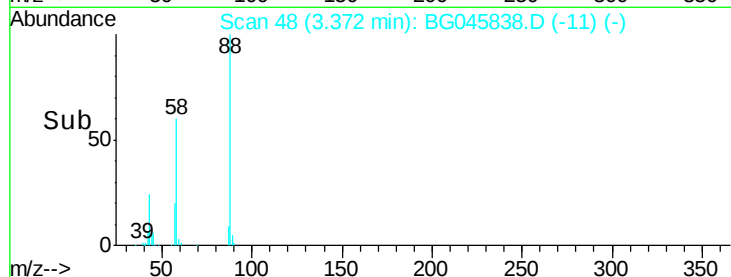
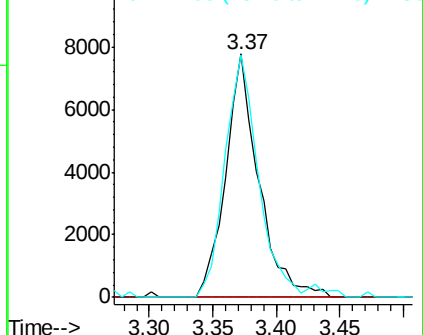
42 100

74 0.0 121.0 181.4#

44 99.4 3.5 5.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 34.357 ng

RT: 5.53 min Scan# 415

Delta R.T. -0.01 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

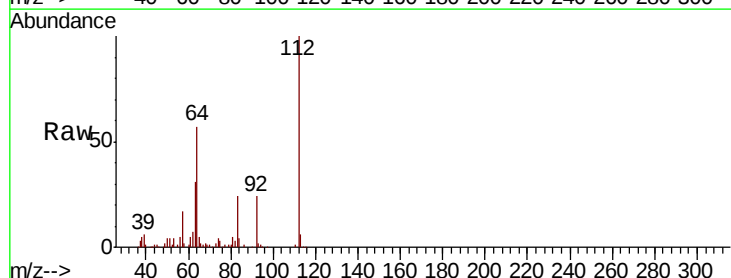
Tgt Ion: 112 Resp: 110752

Ion Ratio Lower Upper

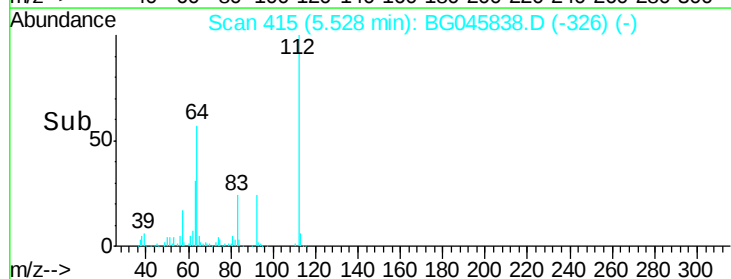
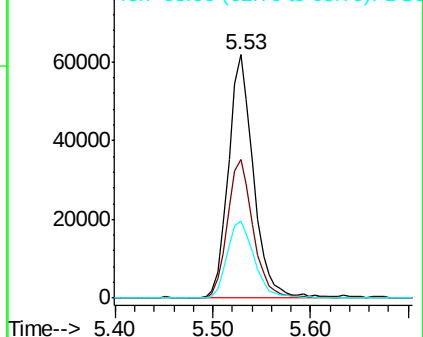
112 100

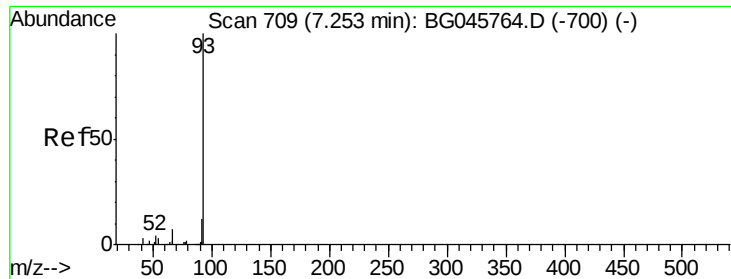
64 57.1 46.6 69.8

63 31.5 26.3 39.5



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





#6

Aniline

Concen: 14.317 ng

RT: 7.34 min Scan# 723

Delta R.T. 0.08 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

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SS043MW011-200615

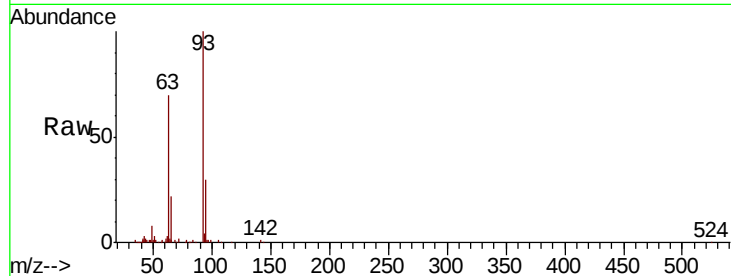
Tot Ion: 93 Resp: 82662

Ion Ratio Lower Upper

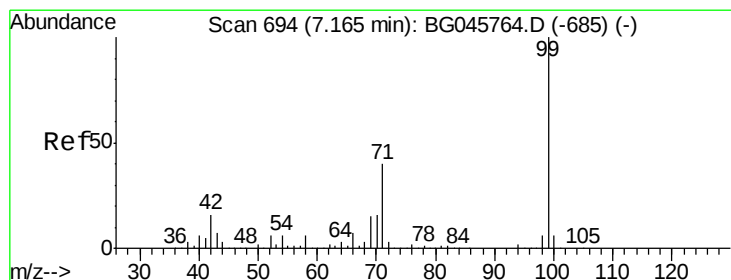
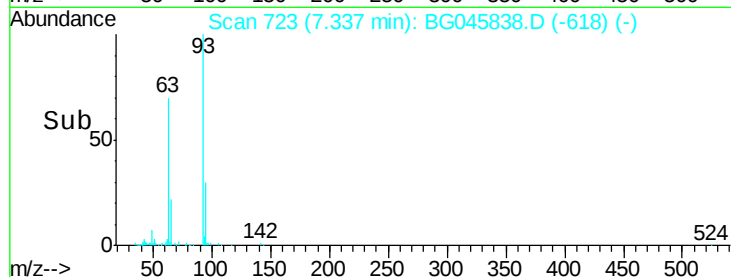
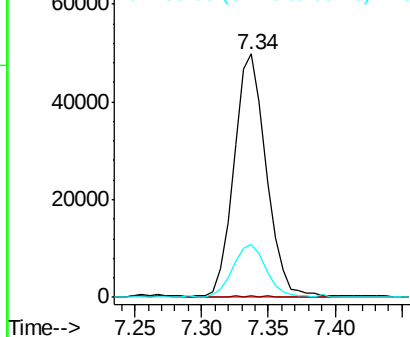
93 100

66 0.9 30.0 45.0#

65 21.6 14.7 22.1



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 20.954 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.02 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

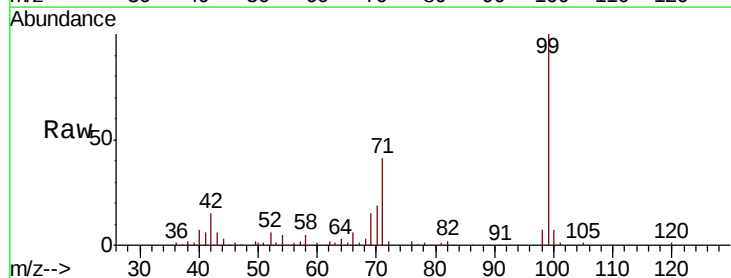
Tgt Ion: 99 Resp: 102745

Ion Ratio Lower Upper

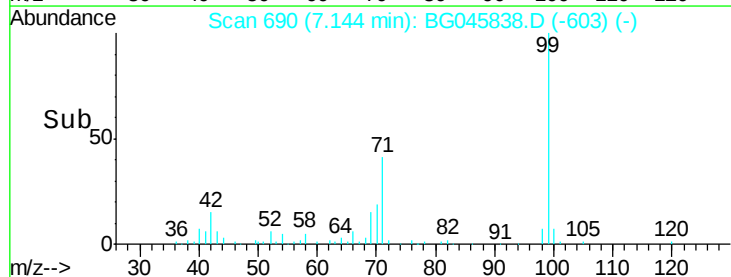
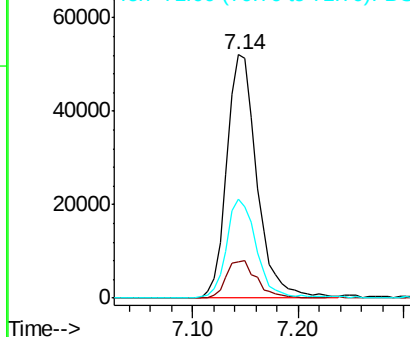
99 100

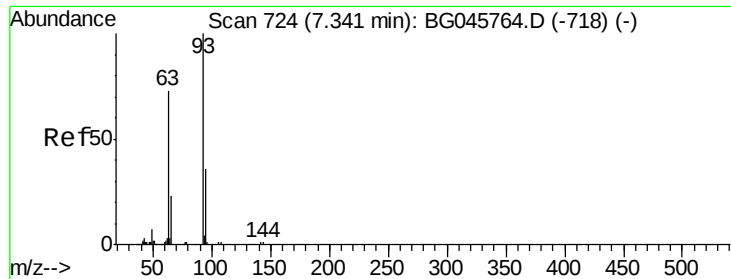
42 14.8 12.4 18.6

71 40.6 32.1 48.1



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

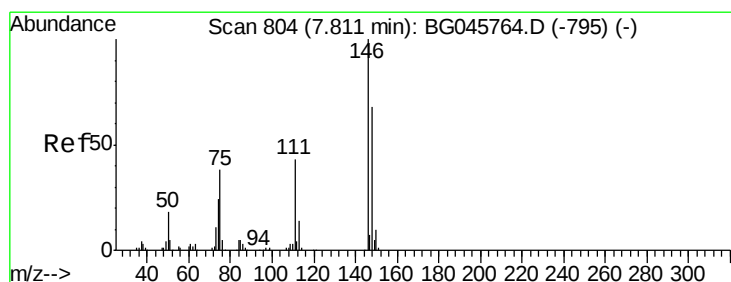
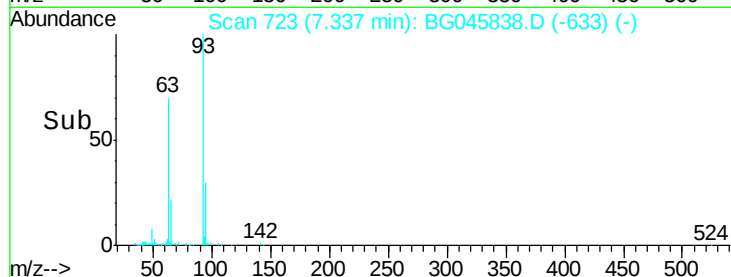
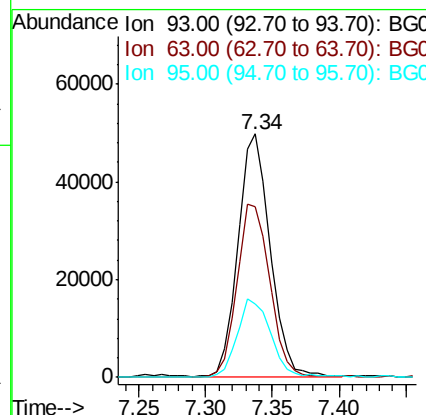
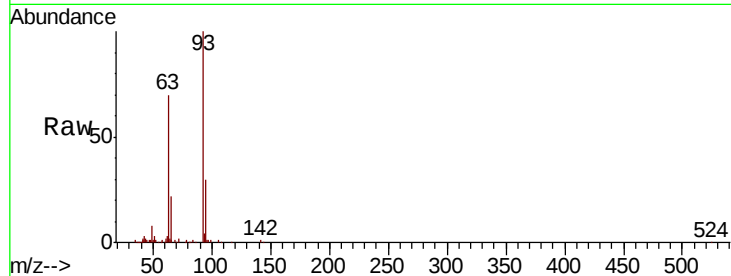




#11
bis(2-Chloroethyl)ether
Concen: 22.906 ng
RT: 7.34 min Scan# 723
Delta R.T. -0.00 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

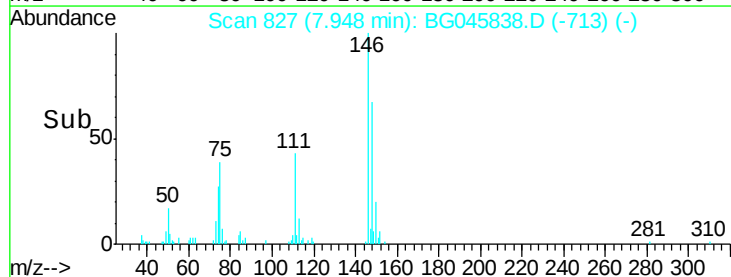
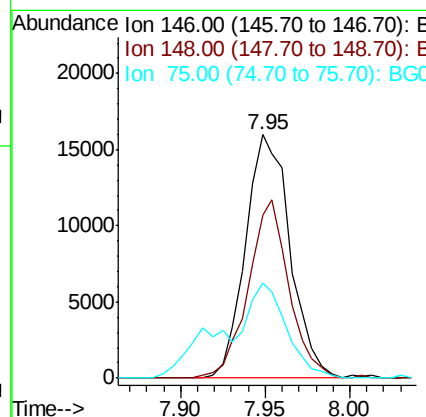
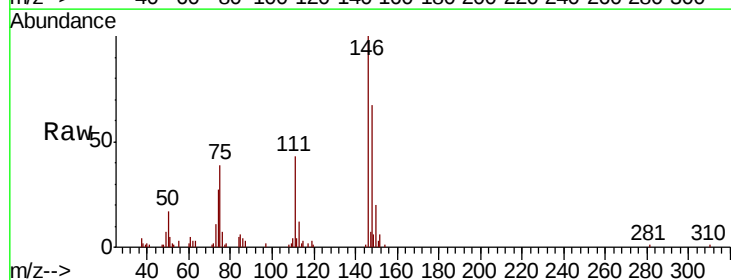
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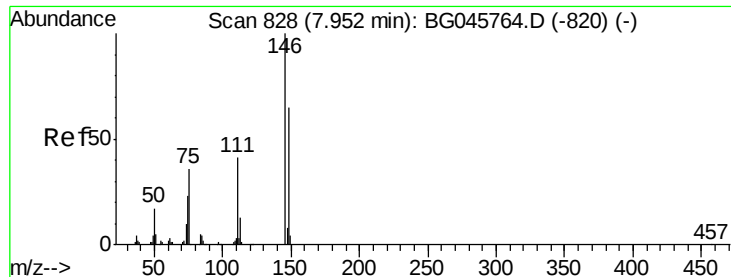
Tot Ion: 93 Resp: 82662
Ion Ratio Lower Upper
93 100
63 70.1 52.0 92.0
95 30.2 15.6 55.6



#12
1,3-Dichlorobenzene
Concen: 7.099 ng
RT: 7.95 min Scan# 827
Delta R.T. 0.14 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

Tgt Ion: 146 Resp: 29191
Ion Ratio Lower Upper
146 100
148 67.1 54.2 81.4
75 39.3 30.1 45.1

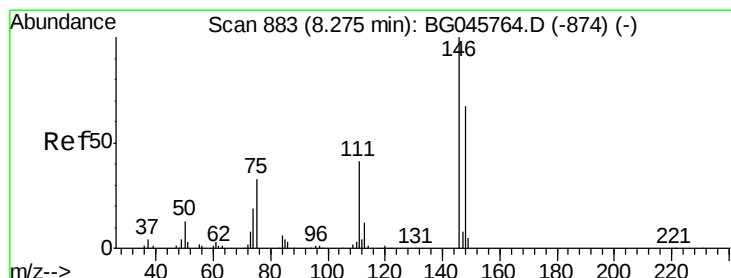
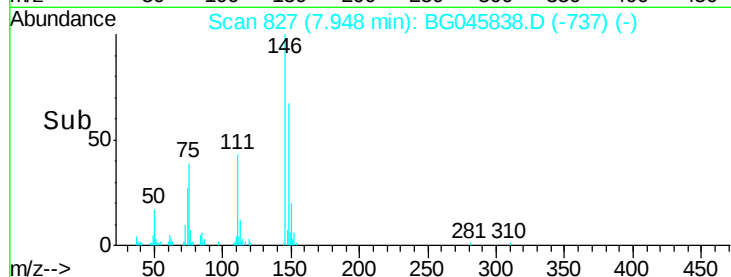
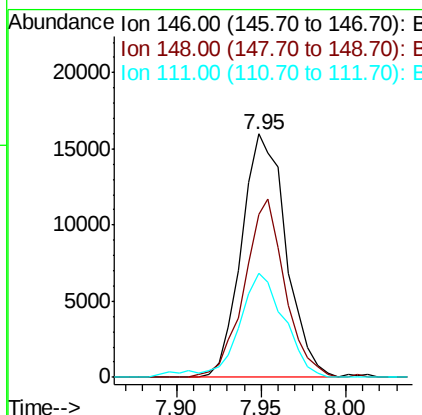
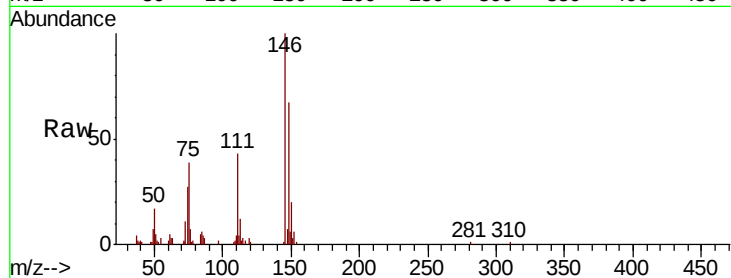




#13
1,4-Dichlorobenzene
Concen: 7.107 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

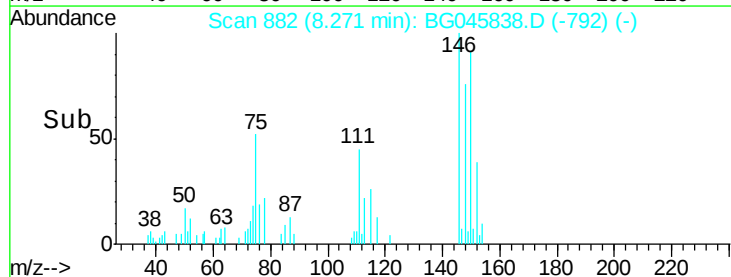
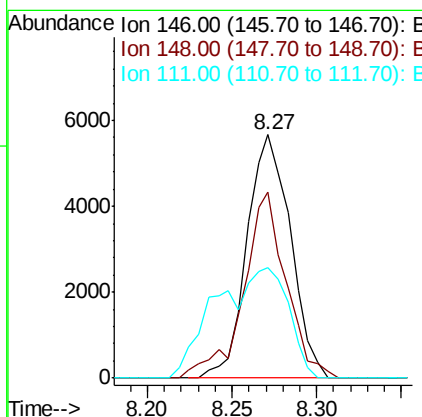
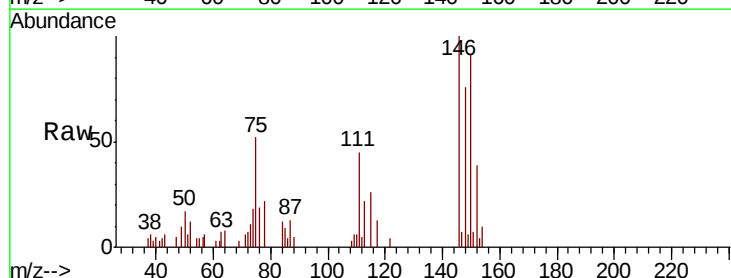
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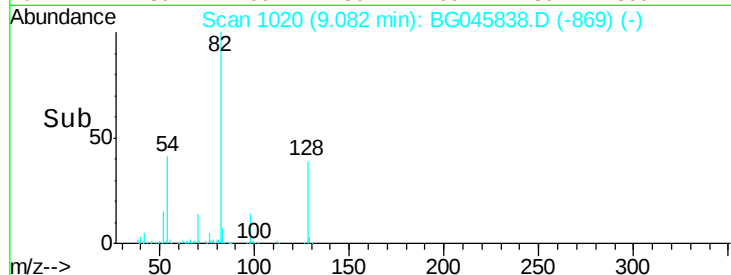
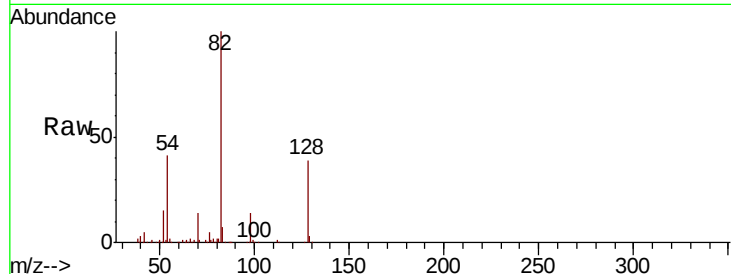
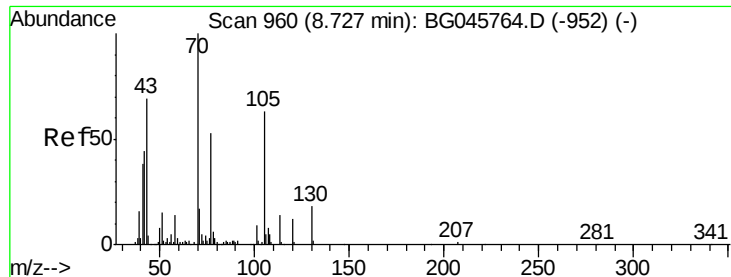
Tot Ion:146 Resp: 29191
Ion Ratio Lower Upper
146 100
148 67.1 51.8 77.6
111 42.6 32.8 49.2



#14
1,2-Dichlorobenzene
Concen: 2.572 ng
RT: 8.27 min Scan# 882
Delta R.T. -0.00 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

Tgt Ion:146 Resp: 10112
Ion Ratio Lower Upper
146 100
148 76.4 54.1 81.1
111 45.4 32.9 49.3

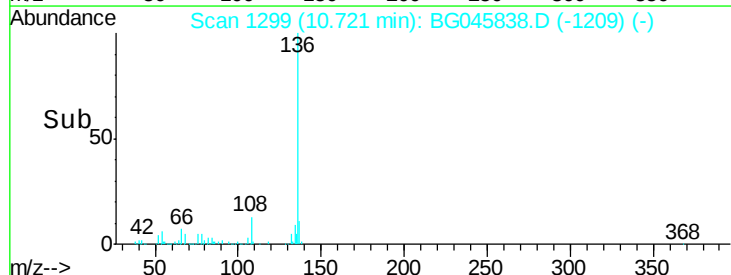
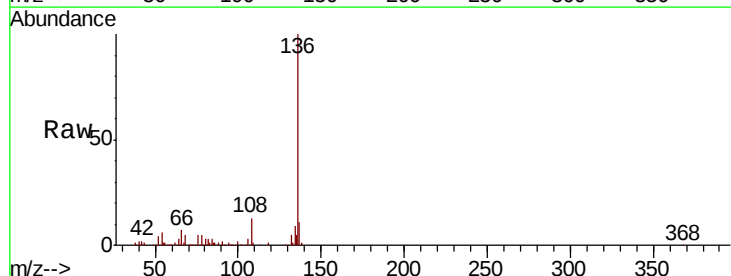
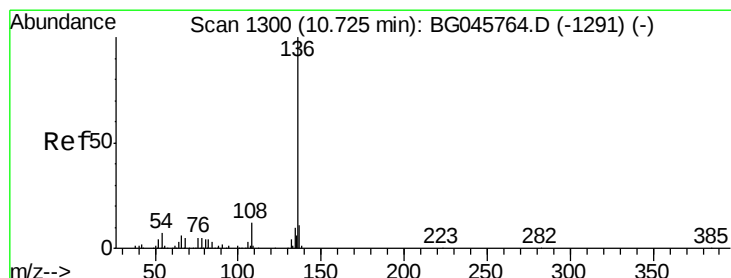
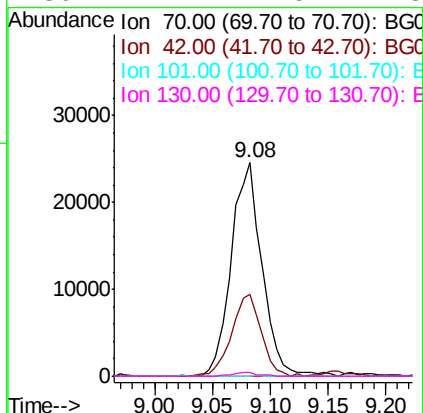




#19
n-Nitroso-di-n-propylamine
Concen: 14.092 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.35 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

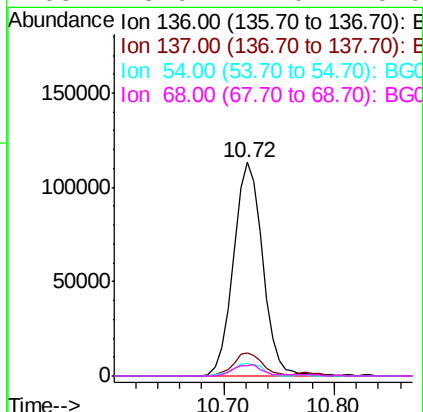
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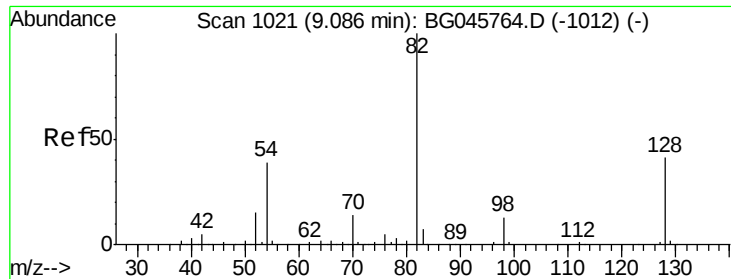
Tot Ion	Ratio	Lower	Upper
70	100		
42	38.2	35.1	52.7
101	0.0	7.4	11.0#
130	2.1	14.6	21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	6.2	5.8	8.6
68	5.0	4.0	6.0

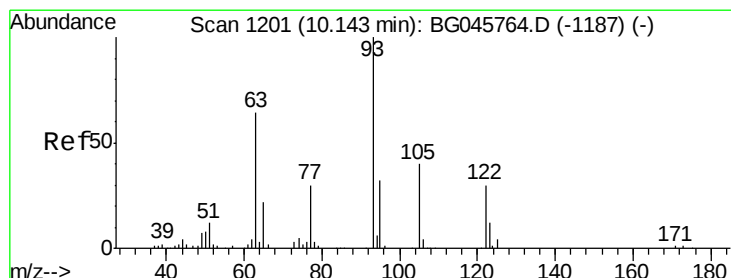
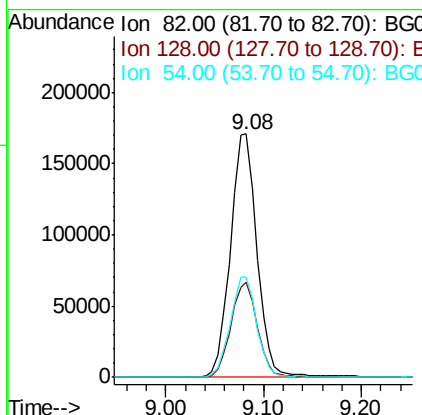
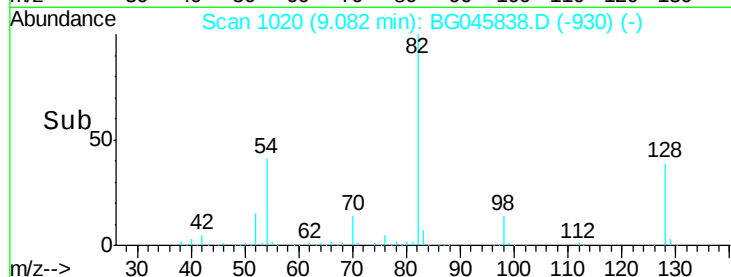
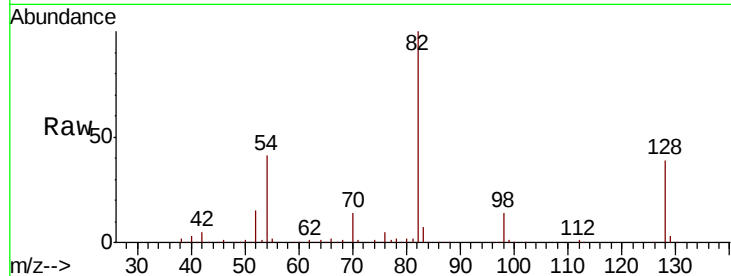




#23
 Nitrobenzene-d5
 Concen: 70.048 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG045838.D
 Acq: 23 Jun 2020 13:35

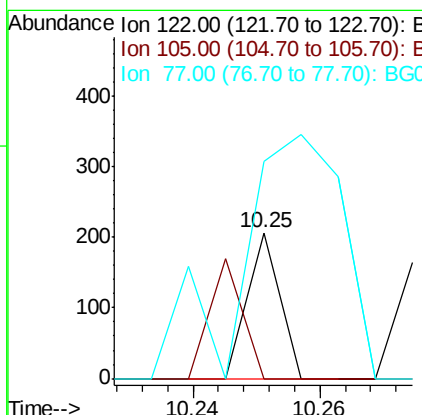
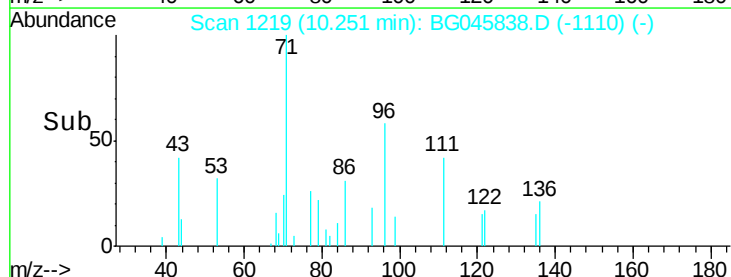
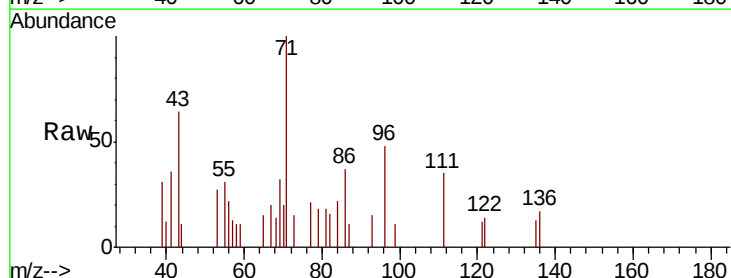
Instrument :
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 ClientSampleId :
 SS043MW011-200615

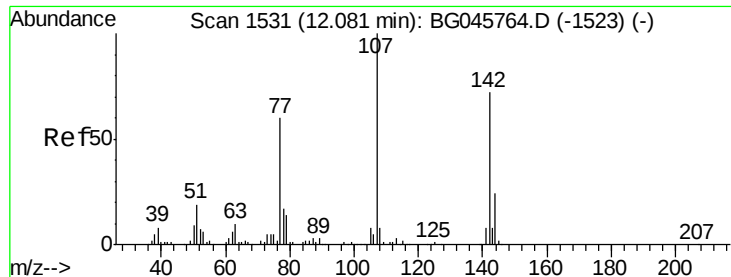
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.5	48.7
54	41.0	31.2	46.8



#32
 Benzoic acid
 Concen: 9.007 ng
 RT: 10.25 min Scan# 1219
 Delta R.T. 0.11 min
 Lab File: BG045838.D
 Acq: 23 Jun 2020 13:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	112.9	152.9#
77	148.8	79.2	119.2#

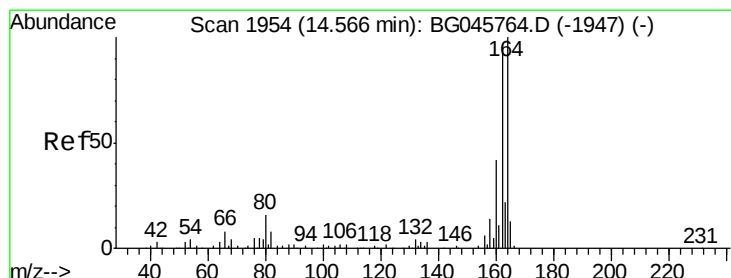
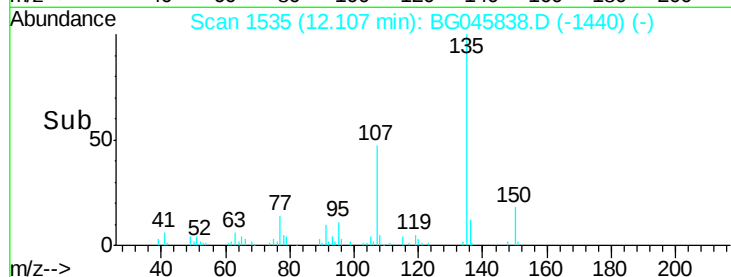
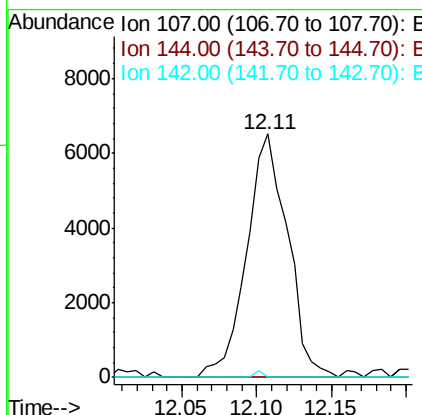
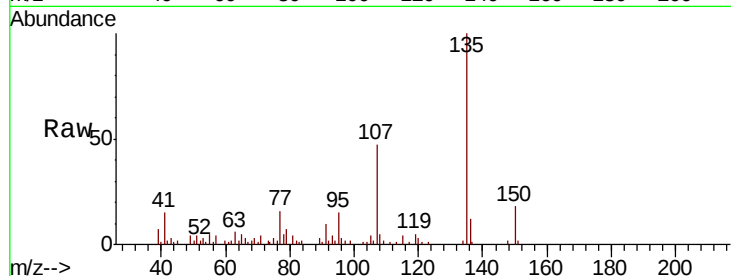




#36
4-Chloro-3-methylphenol
Concen: 2.937 ng
RT: 12.11 min Scan# 1535
Delta R.T. 0.03 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

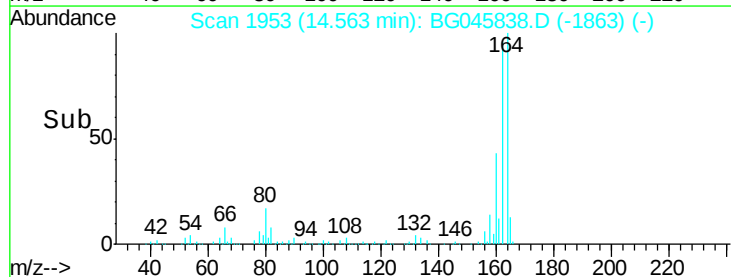
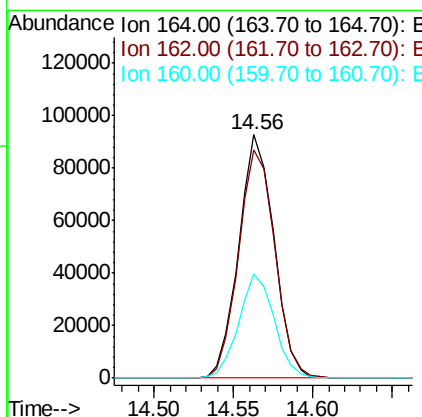
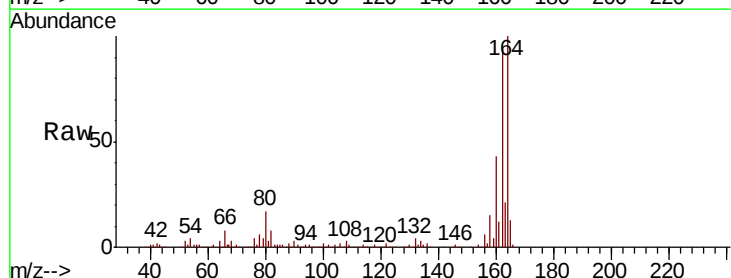
Instrument :
BNA_G
ClientSampleId :
SS043MW011-200615

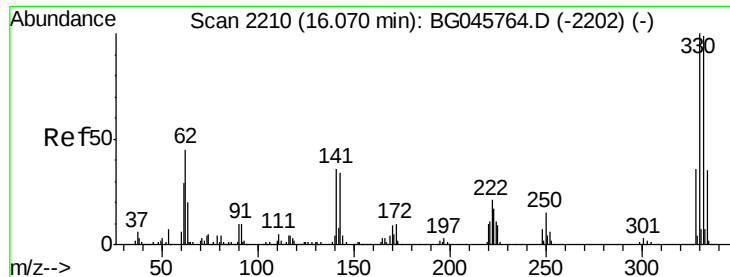
Tot Ion	Ratio	Lower	Upper
107	100		
144	0.0	19.5	29.3#
142	0.0	57.4	86.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	93.9	77.4	116.0
160	42.6	33.3	49.9





#42

2,4,6-Tribromophenol

Concen: 85.973 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

Instrument :

BNA_G

ClientSampleId :

SS043MW011-200615

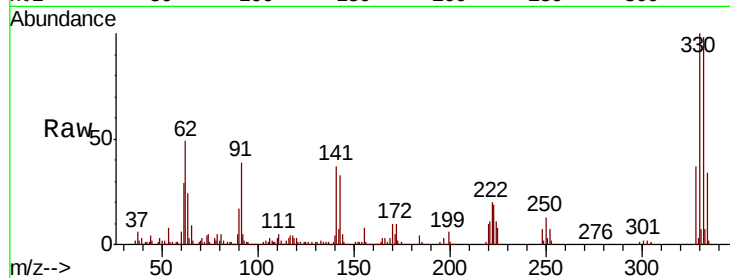
Tot Ion:330 Resp: 185586

Ion Ratio Lower Upper

330 100

332 95.6 78.6 117.8

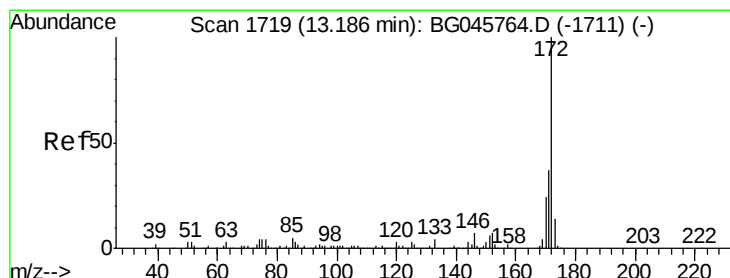
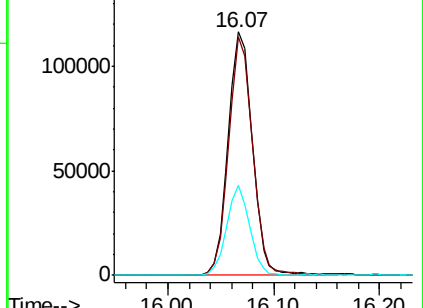
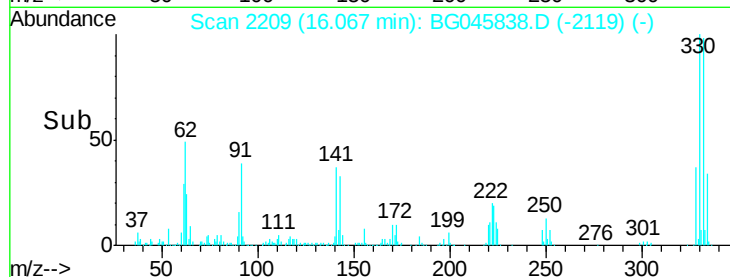
141 34.8 28.2 42.4



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: 68.870 ng

RT: 13.19 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

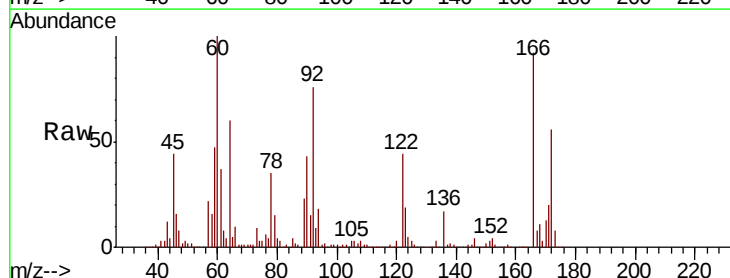
Tgt Ion:172 Resp: 670080

Ion Ratio Lower Upper

172 100

171 36.5 29.9 44.9

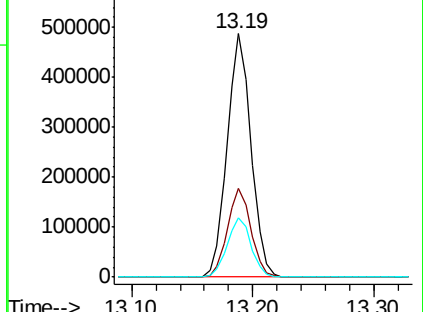
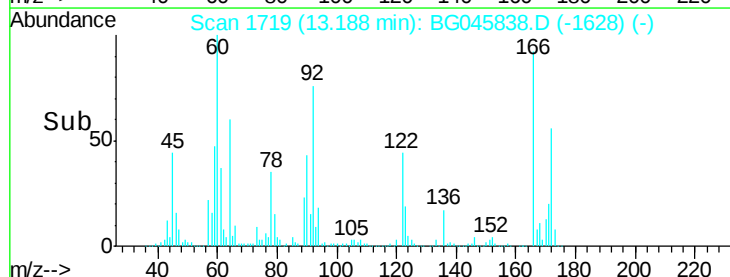
170 24.1 19.3 28.9

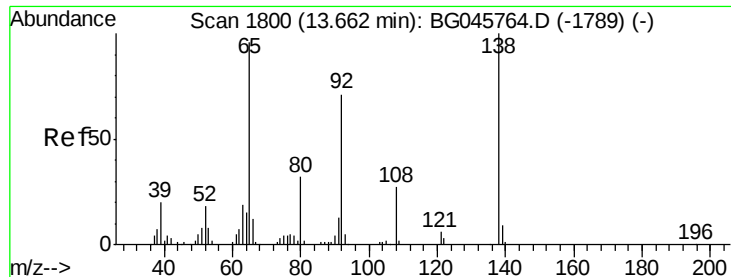


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 37.390 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.47 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

Instrument :

BNA_G

ClientSampleId :

SS043MW011-200615

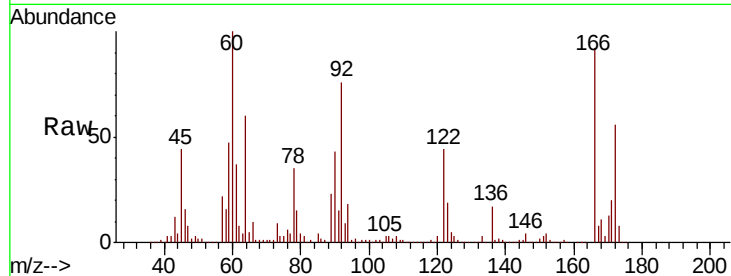
Tot Ion: 65 Resp: 102845

Ion Ratio Lower Upper

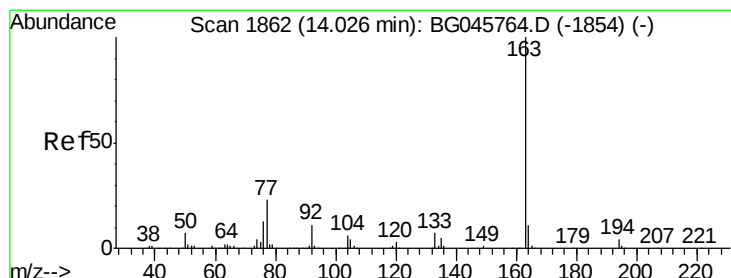
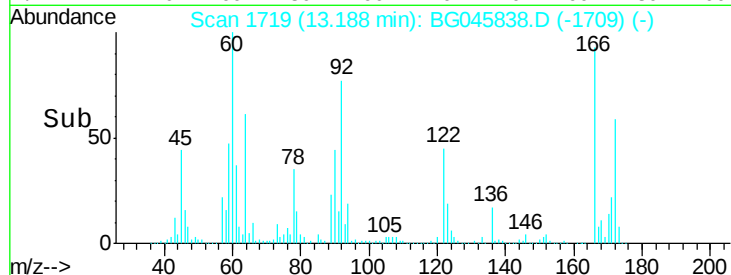
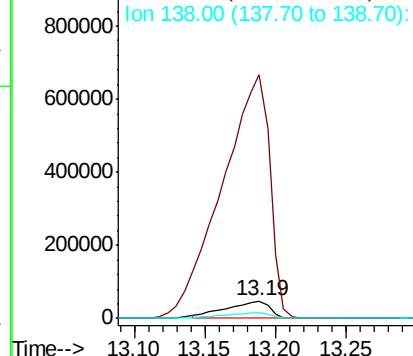
65 100

92 1404.9 59.0 88.6#

138 34.7 83.6 125.4#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

Dimethylphthalate

Concen: 10.092 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

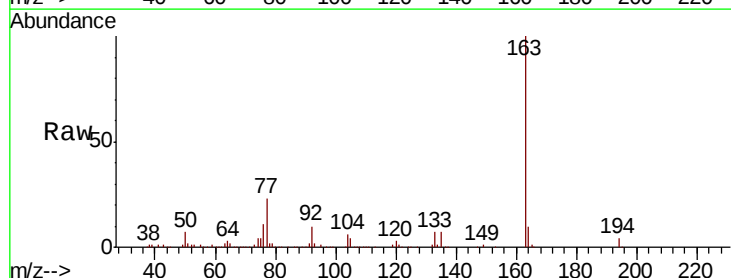
Tgt Ion:163 Resp: 113041

Ion Ratio Lower Upper

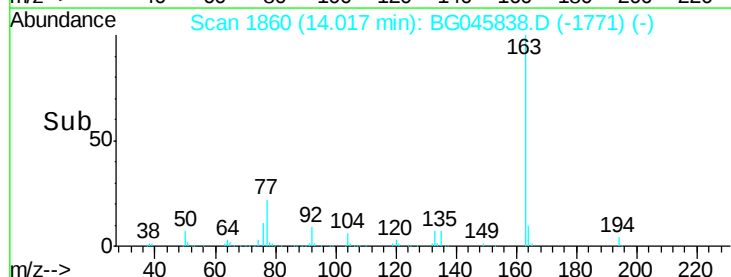
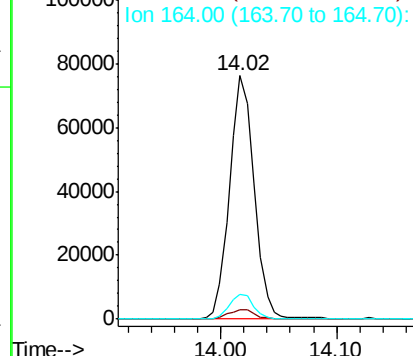
163 100

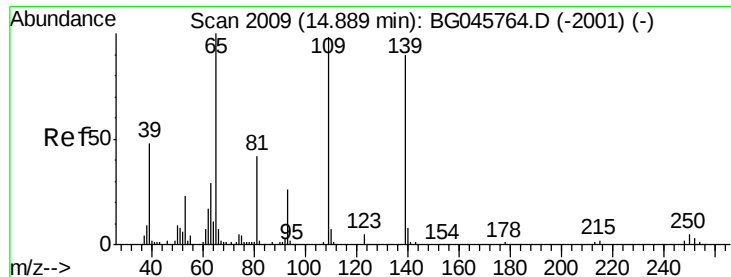
194 4.0 3.4 5.0

164 9.9 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC





#56

4-Nitrophenol

Concen: 4.014 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.20 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

Instrument :

BNA_G

ClientSampleId :

SS043MW011-200615

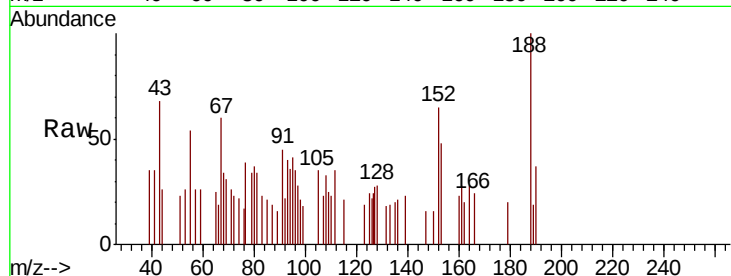
Tot Ion:139 Resp: 77

Ion Ratio Lower Upper

139 100

109 108.2 88.9 128.9

65 108.2 92.3 132.3



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

800

600

400

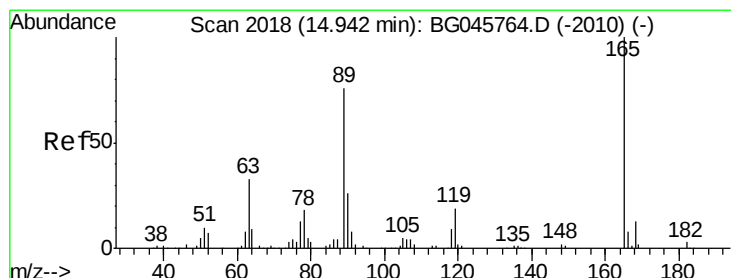
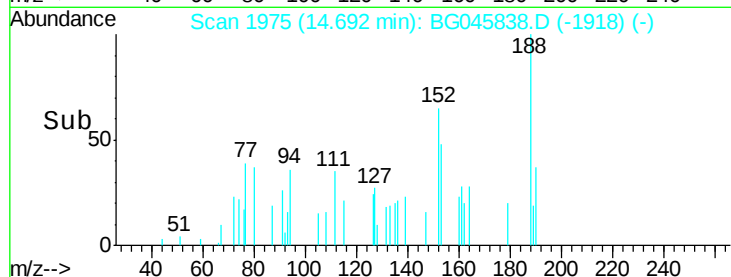
200

0

14.69

14.70

Time-->



#57

2,4-Dinitrotoluene

Concen: 5.317 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.38 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

Tgt Ion:165 Resp: 19164

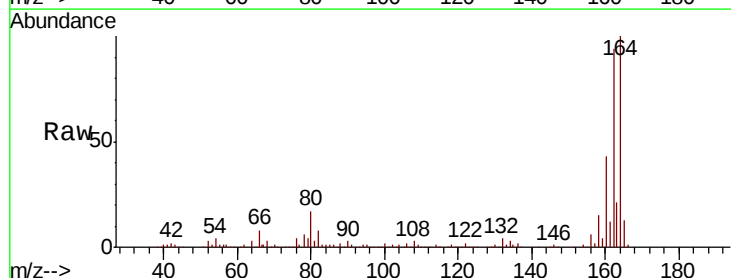
Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

89 3.6 60.4 90.6#

182 0.0 2.6 3.8#



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

15000

10000

5000

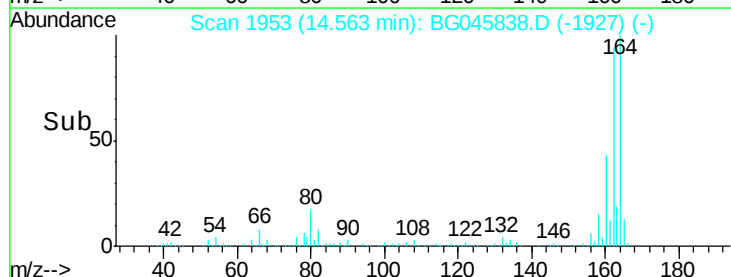
0

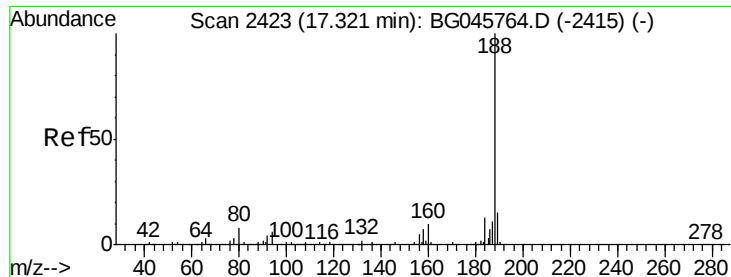
14.56

14.55

14.60

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

Instrument :

BNA_G

ClientSampleId :

SS043MW011-200615

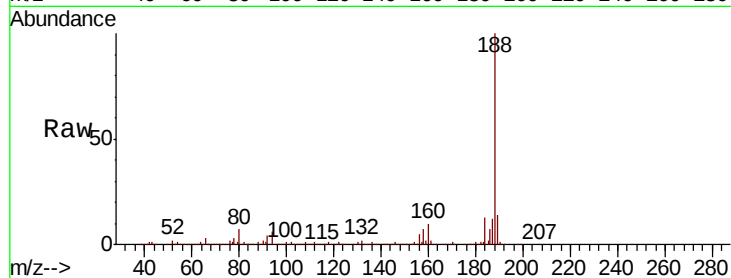
Tot Ion:188 Resp: 316620

Ion Ratio Lower Upper

188 100

94 6.5 5.1 7.7

80 7.5 6.2 9.4



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

250000

200000

150000

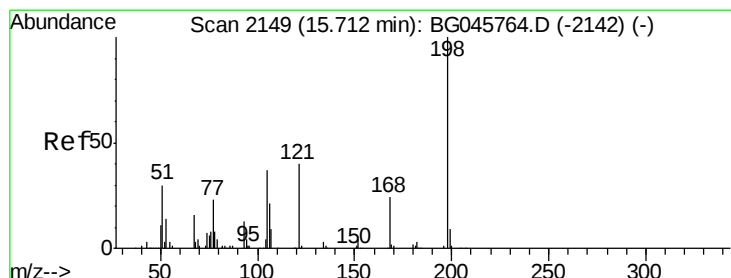
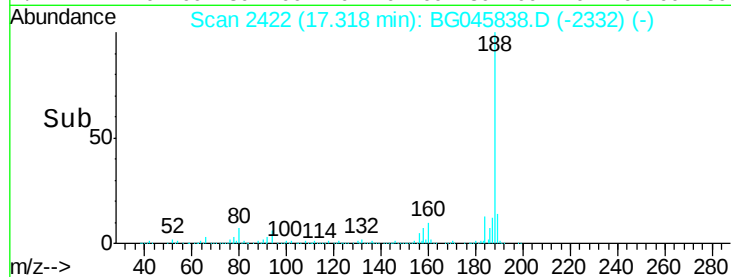
100000

50000

0

17.30 17.40

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 66.282 ng

RT: 16.20 min Scan# 2232

Delta R.T. 0.49 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

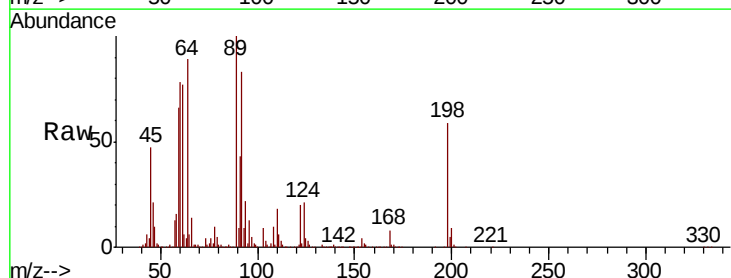
Tgt Ion:198 Resp: 129694

Ion Ratio Lower Upper

198 100

51 0.3 14.6 54.6#

105 2.0 18.4 58.4#



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

120000

100000

80000

60000

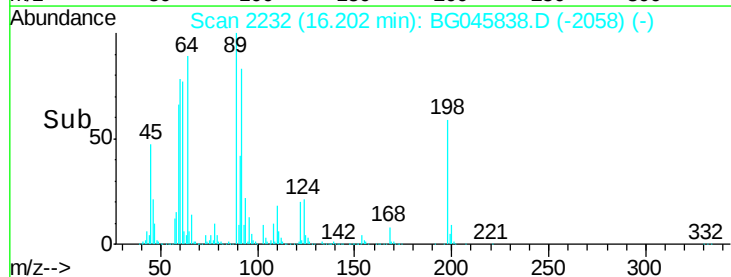
40000

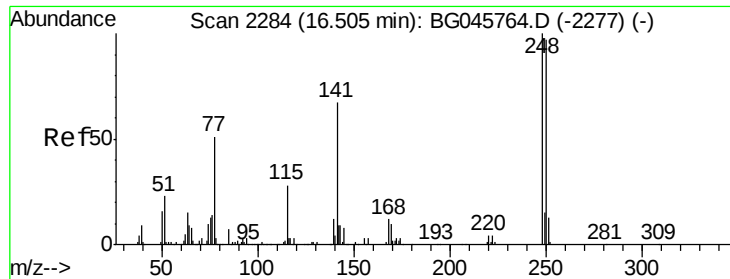
20000

0

16.15 16.20

Time-->

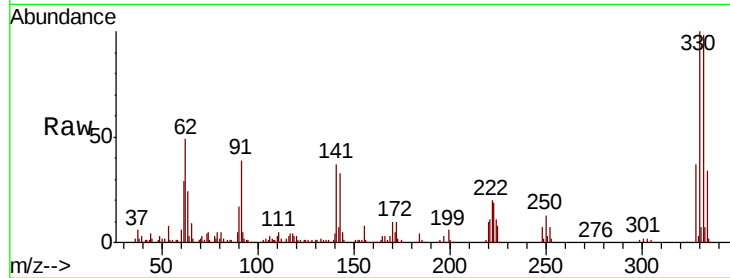




#67
4-Bromophenyl-phenylether
Concen: 3.041 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.44 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

Instrument :
BNA_G
ClientSampleId :
SS043MW011-200615

Tot Ion	Ratio	Lower	Upper
248	100		
250	182.8	78.0	117.0#
141	522.9	53.9	80.9#

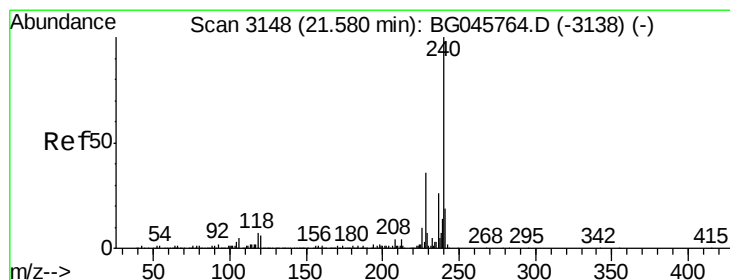
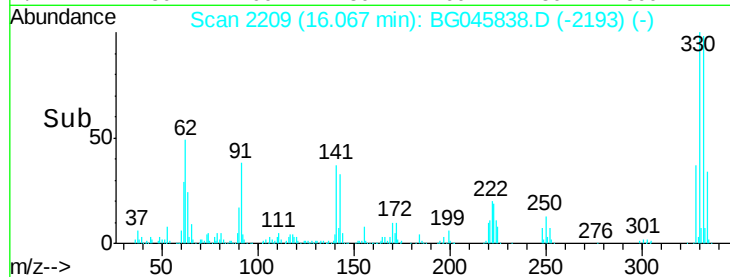
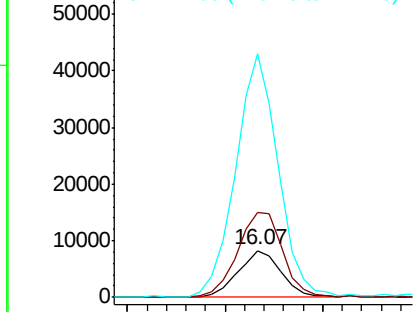


Abundance

Ion 248.00 (247.70 to 248.70): E

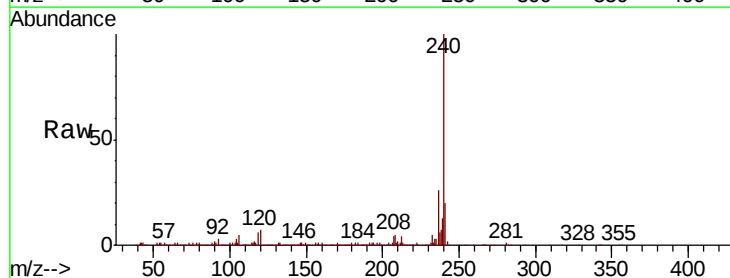
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG045838.D
Acq: 23 Jun 2020 13:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.5	5.0	7.4
236	25.8	20.6	30.8

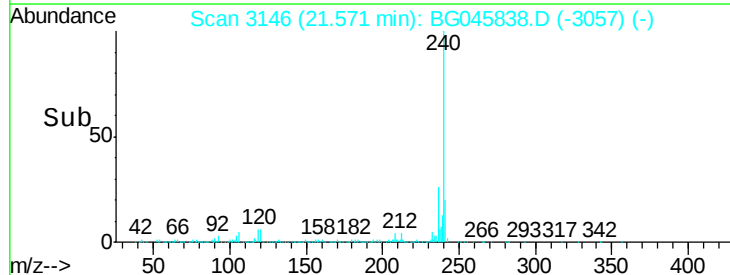
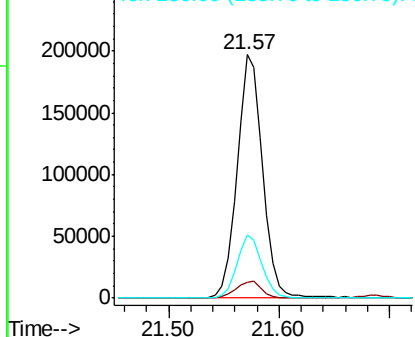


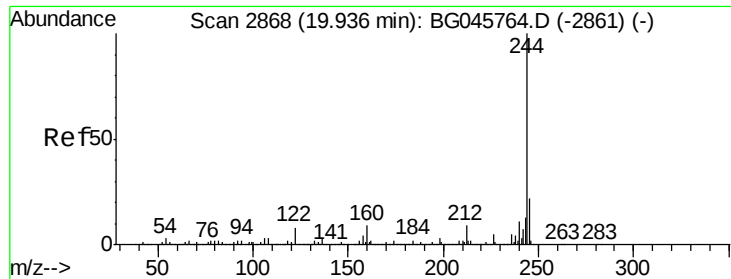
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 75.286 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

Instrument :

BNA_G

ClientSampleId :

SS043MW011-200615

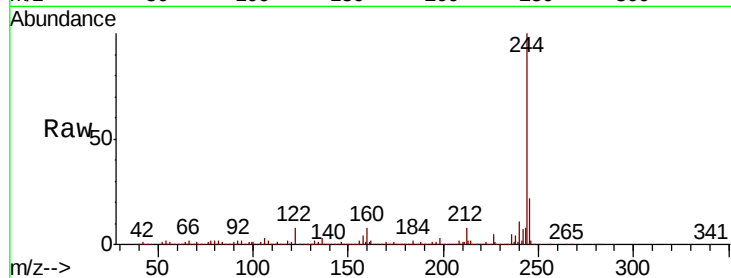
Tot Ion:244 Resp: 1178951

Ion Ratio Lower Upper

244 100

212 8.5 7.2 10.8

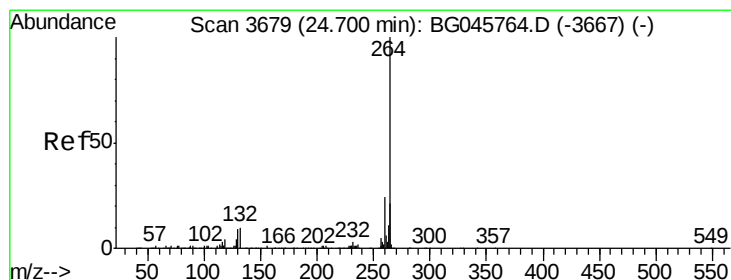
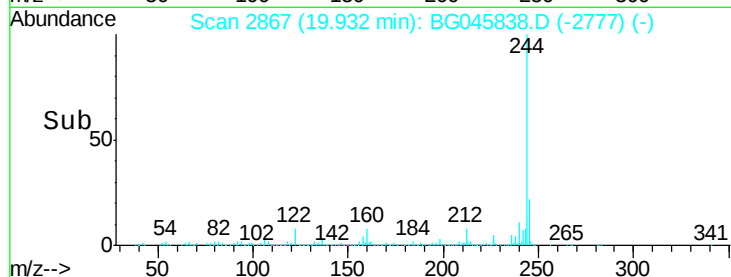
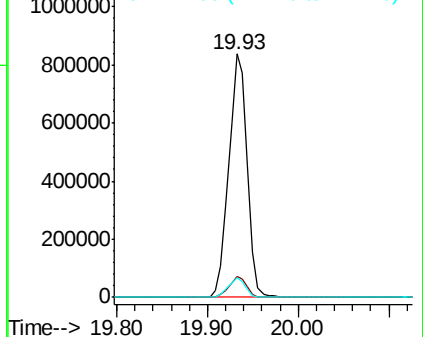
122 8.0 6.4 9.6



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: 24.70 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BG045838.D

Acq: 23 Jun 2020 13:35

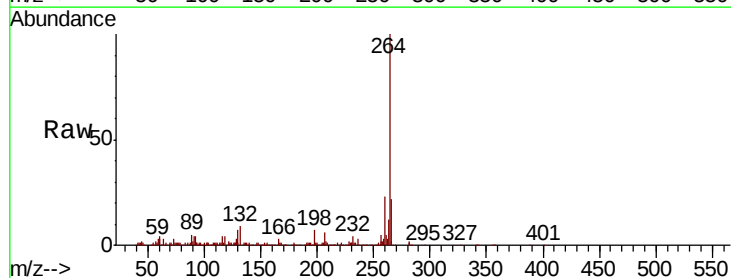
Tgt Ion:264 Resp: 346273

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 21.8 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

