

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG070120\
 Data File : BG045903.D
 Acq On : 1 Jul 2020 13:03
 Operator : CG/JU
 Sample : L2810-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-062420

Quant Time: Jul 01 14:06:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 01 13:54:49 2020
 Response via : Initial Calibration

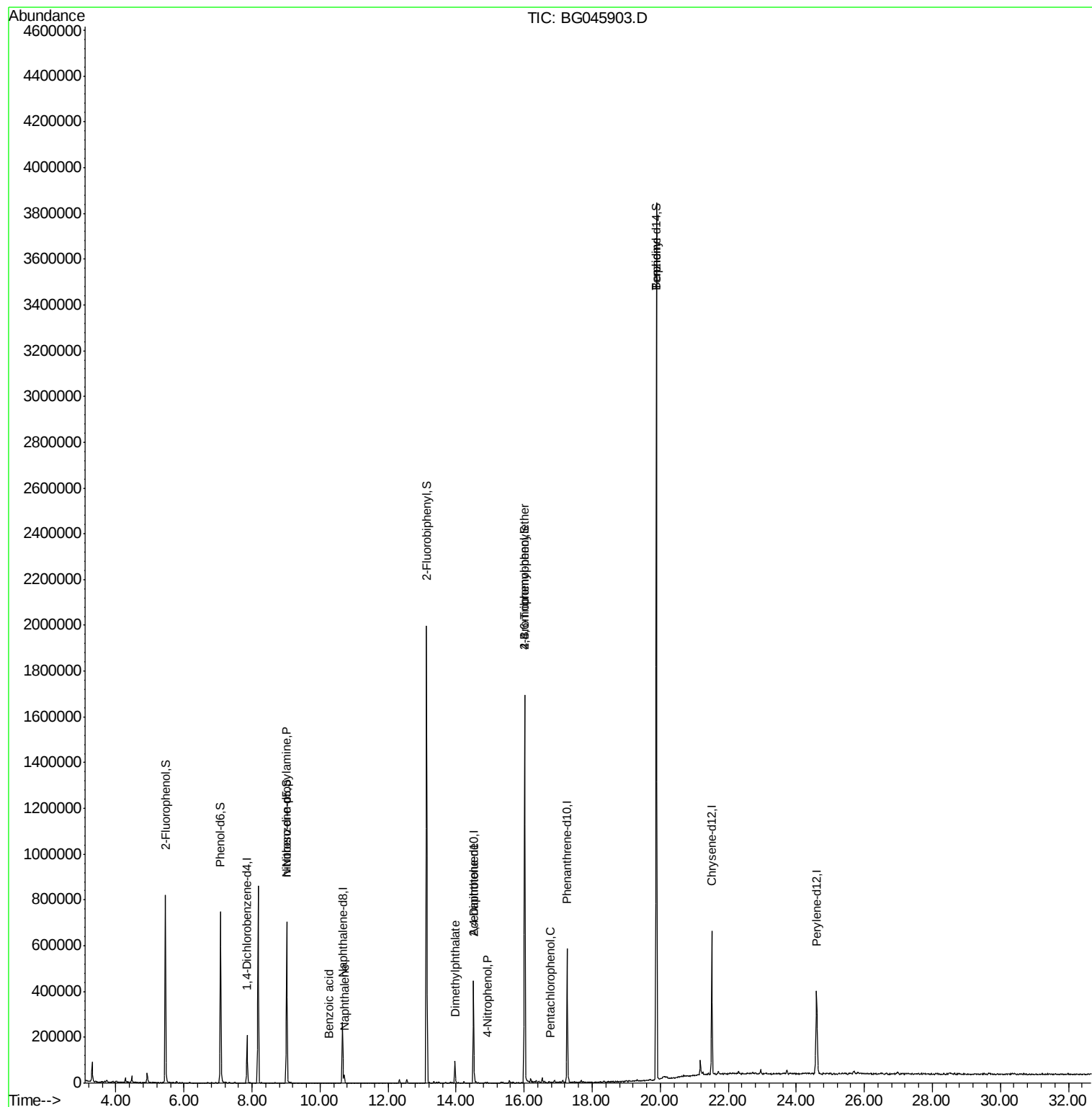
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	60382	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	231406	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	166339	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	382241	20.00	ng	0.00
76) Chrysene-d12	21.51	240	375220	20.00	ng	0.00
86) Perylene-d12	24.60	264	380002	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	396756	111.00	ng	0.00
7) Phenol-d6	7.08	99	484792	89.16	ng	0.00
23) Nitrobenzene-d5	9.02	82	464288	91.66	ng	0.00
42) 2,4,6-Tribromophenol	16.02	330	350193	139.45	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	1057183	93.40	ng	0.00
79) Terphenyl-d14	19.89	244	1795461	96.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.02	70	63280	17.703	ng	Qvalue # 85
31) Naphthalene	10.71	128	29918	2.365	ng	96
32) Benzoic acid	10.28	122	73	9.004	ng	# 1
50) Dimethylphthalate	13.97	163	63941	4.907	ng	98
56) 4-Nitrophenol	14.92	139	1202	4.518	ng	# 1
57) 2,4-Dinitrotoluene	14.51	165	21450	5.115	ng	# 24
67) 4-Bromophenyl-phenylether	16.02	248	23954	4.823	ng	# 1
70) Pentachlorophenol	16.77	266	56	7.652	ng	# 19
77) Benzidine	19.89	184	33043	3.387	ng	# 91

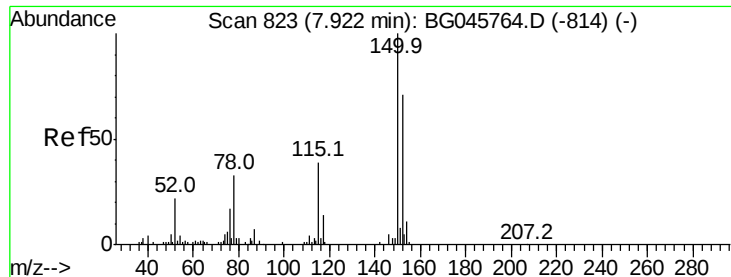
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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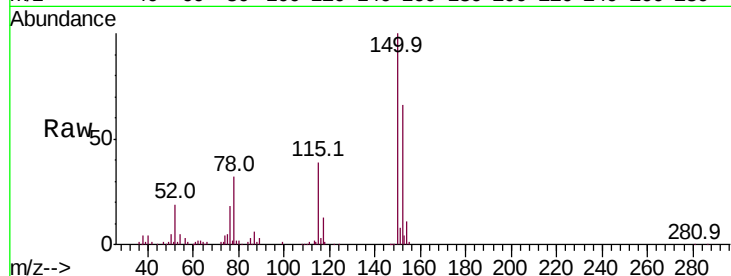


#1

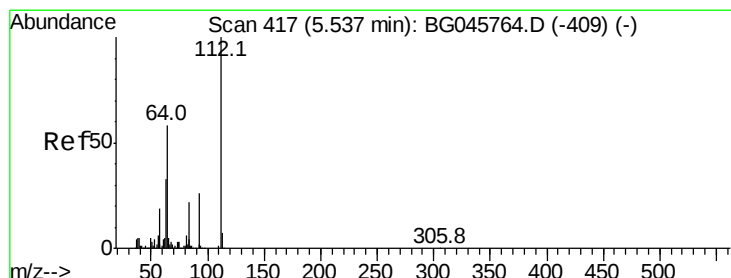
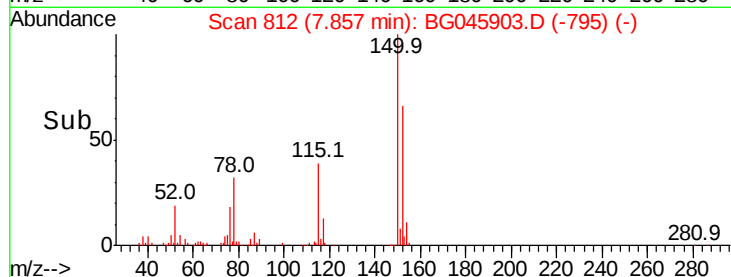
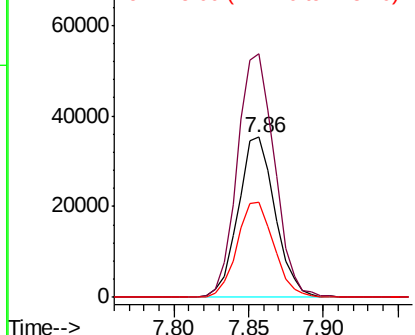
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG045903.D
Acq: 1 Jul 2020 13:03

Instrument :
BNA_G
ClientSampleId :
CL-01-062420

Tot Ion:152 Resp: 60382
Ion Ratio Lower Upper
152 100
150 151.9 121.2 181.8
115 59.4 47.5 71.3



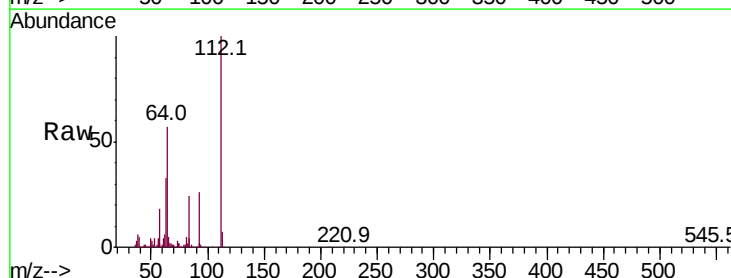
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



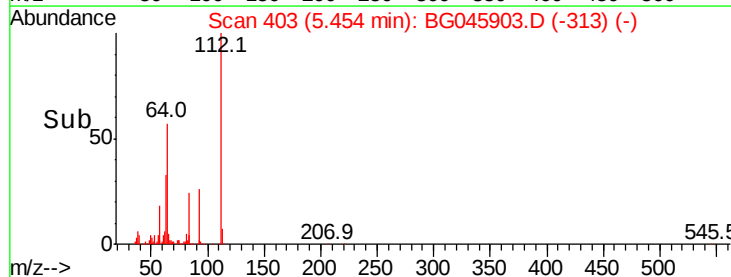
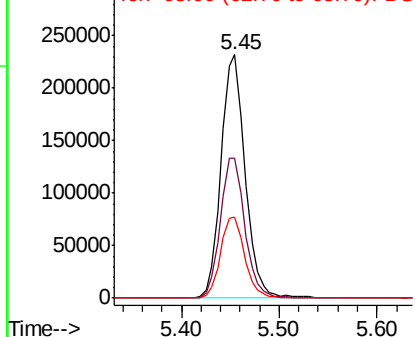
#5

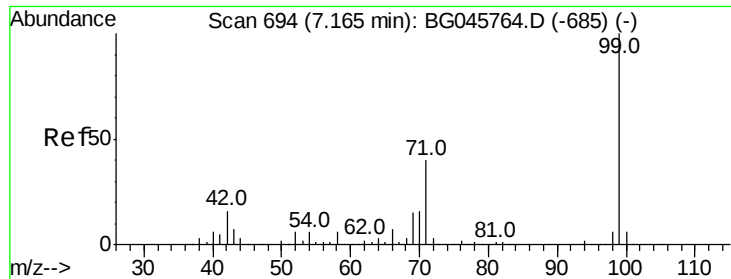
2-Fluorophenol
Concen: 110.996 ng
RT: 5.45 min Scan# 403
Delta R.T. -0.00 min
Lab File: BG045903.D
Acq: 1 Jul 2020 13:03

Tgt Ion:112 Resp: 396756
Ion Ratio Lower Upper
112 100
64 57.5 48.5 72.7
63 33.2 26.5 39.7



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





#7

Phenol-d6

Concen: 89.163 ng

RT: 7.08 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

Instrument :

BNA_G

ClientSampleId :

CL-01-062420

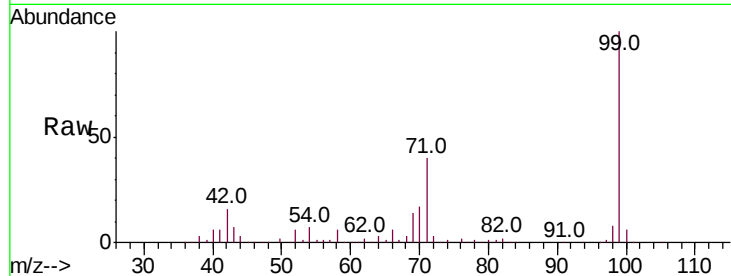
Tot Ion: 99 Resp: 484792

Ion Ratio Lower Upper

99 100

42 15.8 12.0 18.0

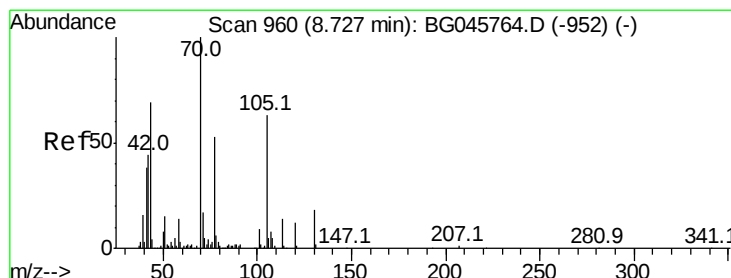
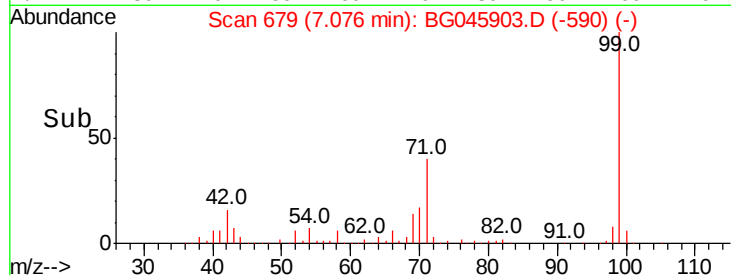
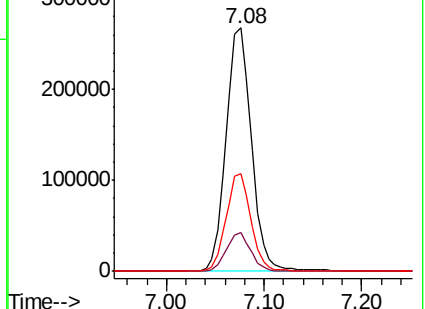
71 40.0 31.0 46.4



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: 17.703 ng

RT: 9.02 min Scan# 1010

Delta R.T. 0.35 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

Tgt Ion: 70 Resp: 63280

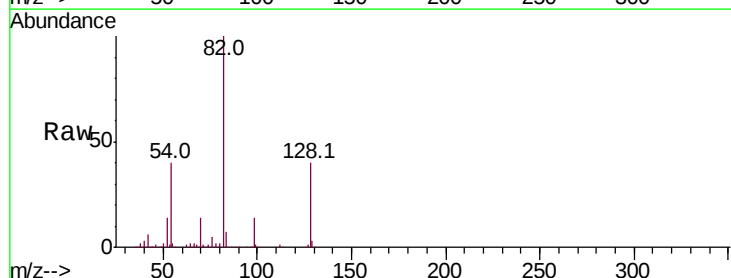
Ion Ratio Lower Upper

70 100

42 40.9 33.9 50.9

101 0.0 8.0 12.0#

130 1.6 14.9 22.3#

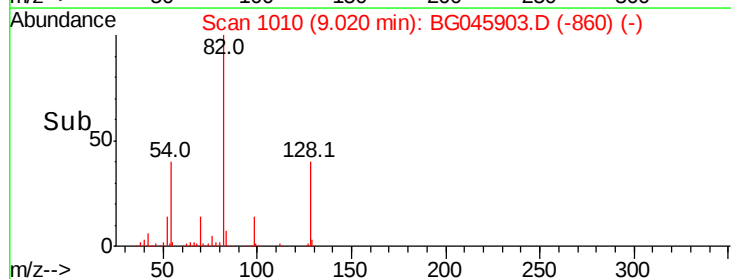
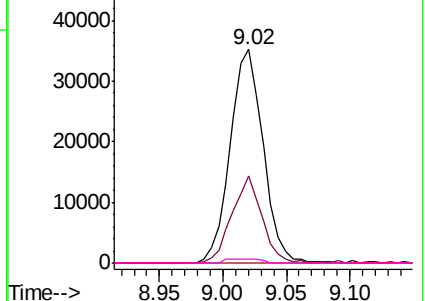


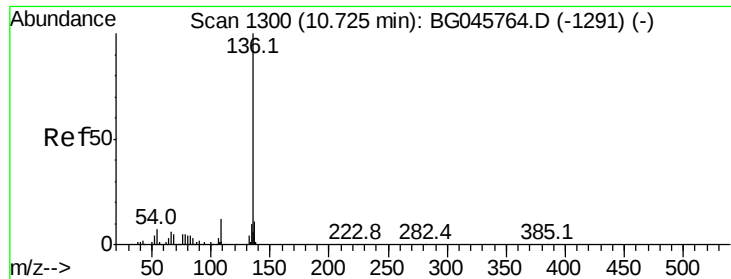
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

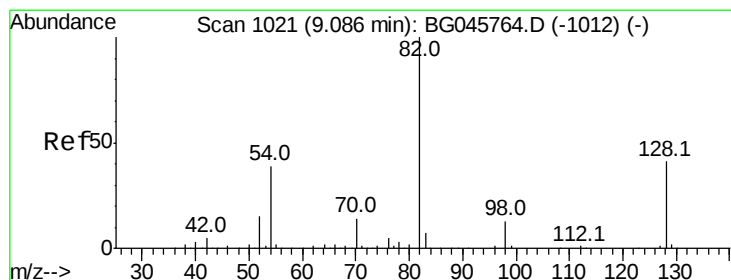
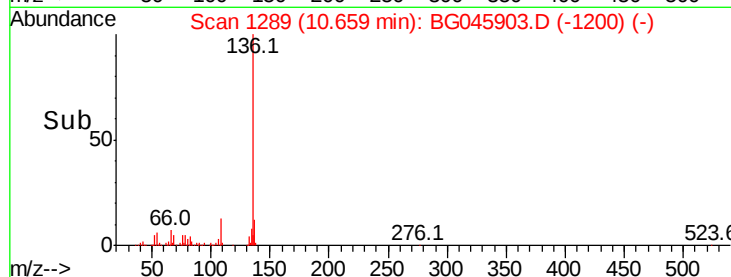
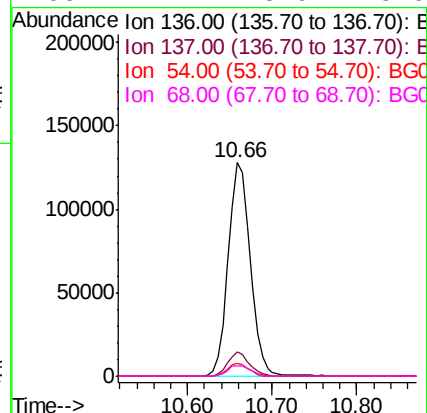
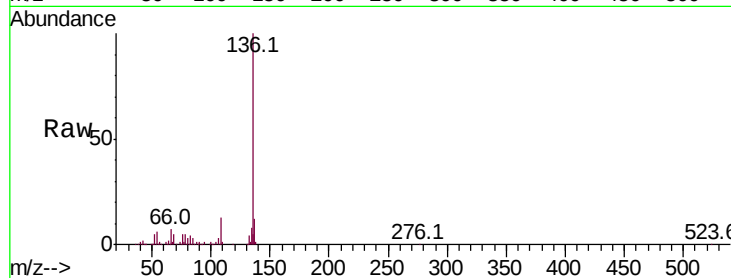




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.66 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG045903.D
Acq: 1 Jul 2020 13:03

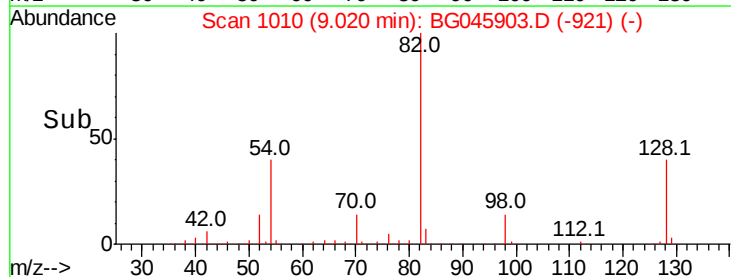
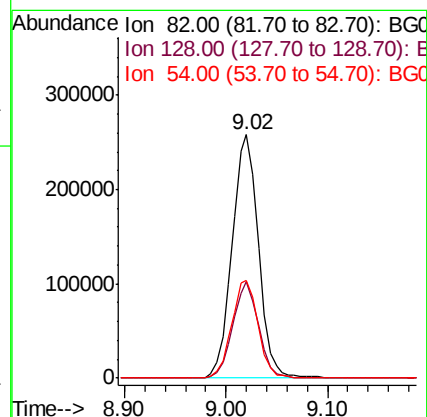
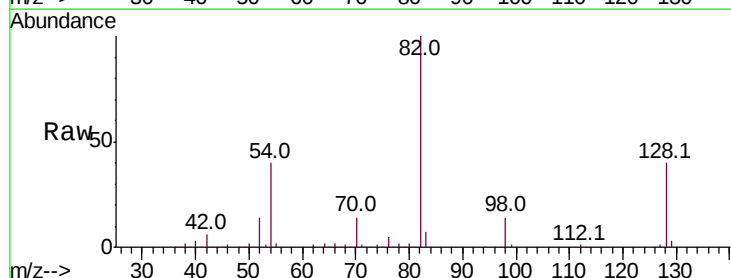
Instrument :
BNA_G
ClientSampleId :
CL-01-062420

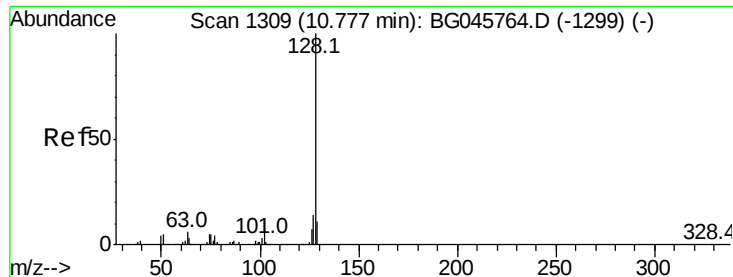
Tot Ion:	136	Resp:	231406
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	5.9	4.9	7.3
68	4.7	3.9	5.9



#23
Nitrobenzene-d5
Concen: 91.658 ng
RT: 9.02 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BG045903.D
Acq: 1 Jul 2020 13:03

Tgt Ion:	82	Resp:	464288
Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.3	46.9
54	40.2	32.6	49.0

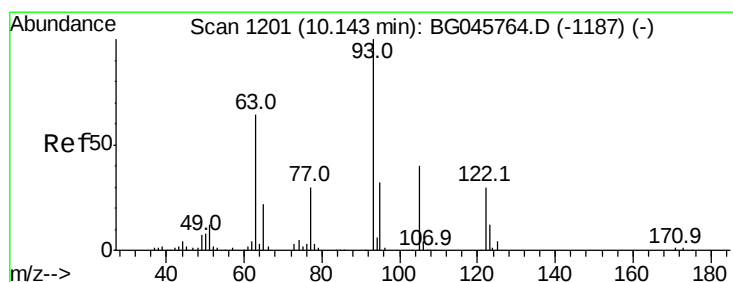
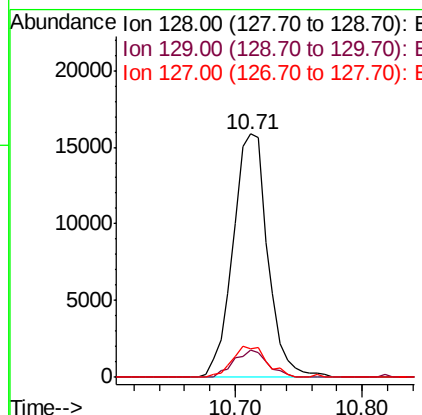
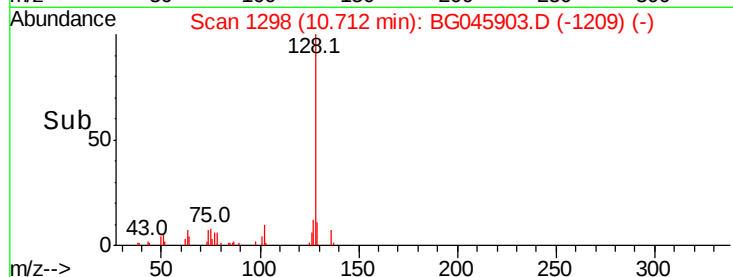
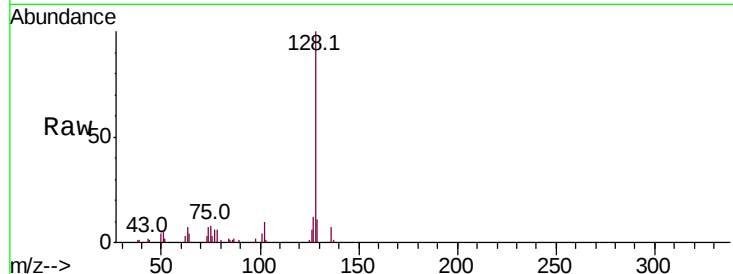




#31
Naphthalene
Concen: 2.365 ng
RT: 10.71 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG045903.D
Acq: 1 Jul 2020 13:03

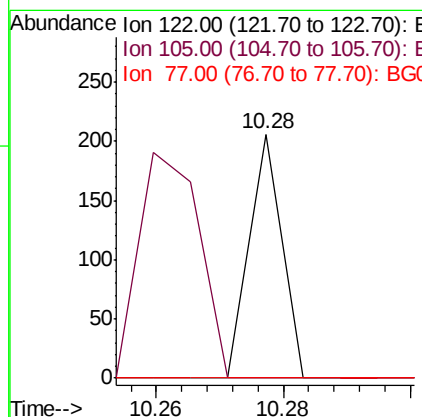
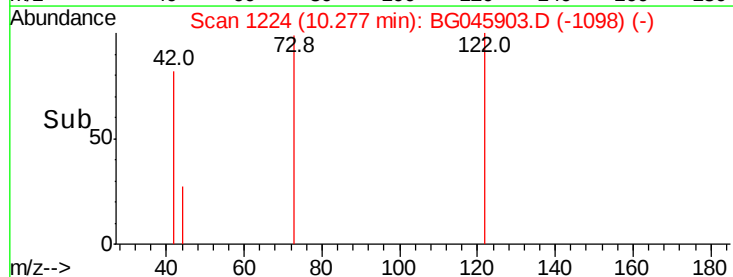
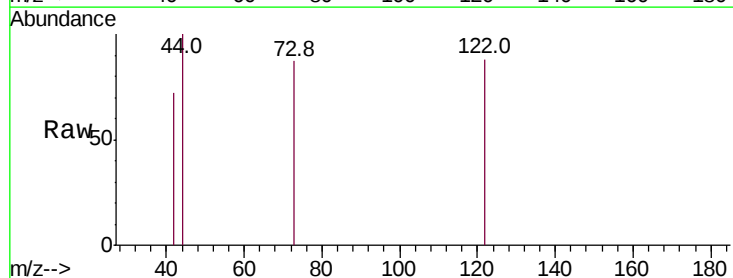
Instrument :
BNA_G
ClientSampleId :
CL-01-062420

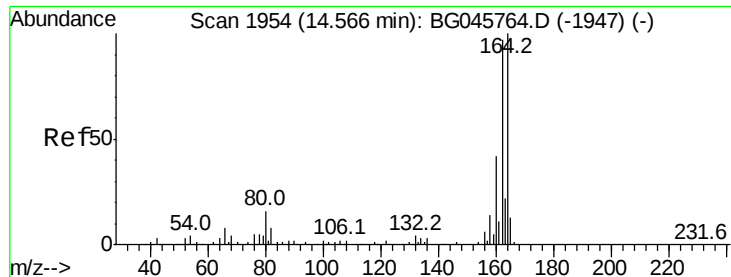
Tot Ion:128 Resp: 29918
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.8
127 11.7 11.1 16.7



#32
Benzoic acid
Concen: 9.004 ng
RT: 10.28 min Scan# 1224
Delta R.T. 0.21 min
Lab File: BG045903.D
Acq: 1 Jul 2020 13:03

Tgt Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 0.0 110.1 150.1#
77 0.0 94.1 134.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.51 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

Instrument :

BNA_G

ClientSampleId :

CL-01-062420

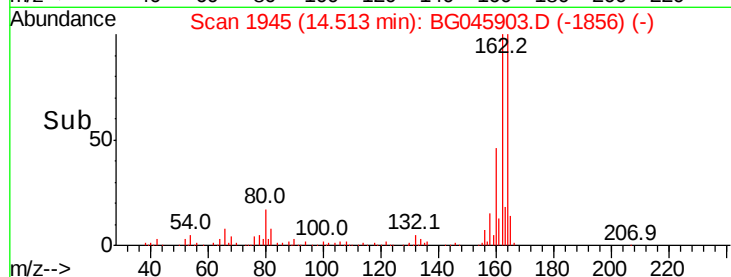
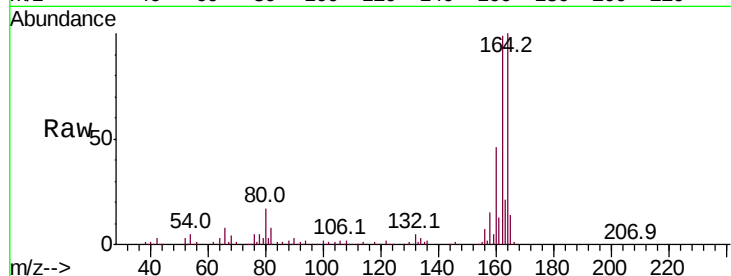
Tot Ion:164 Resp: 166339

Ion Ratio Lower Upper

164 100

162 99.3 80.6 120.8

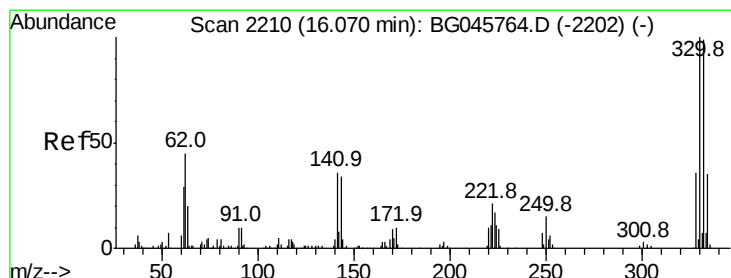
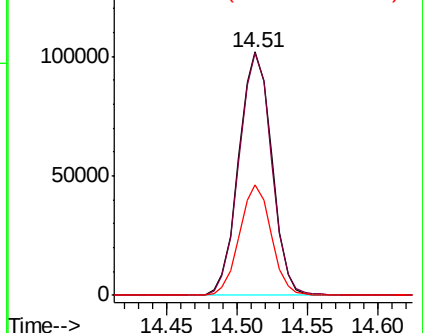
160 45.7 35.0 52.4



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: 139.448 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

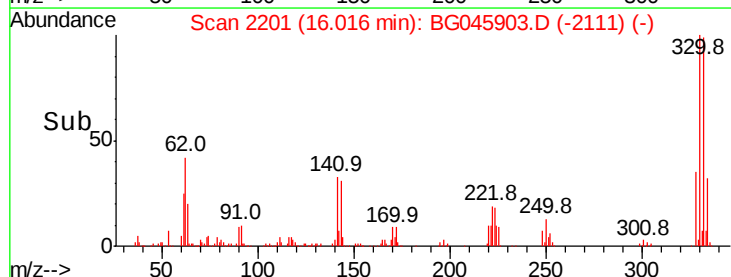
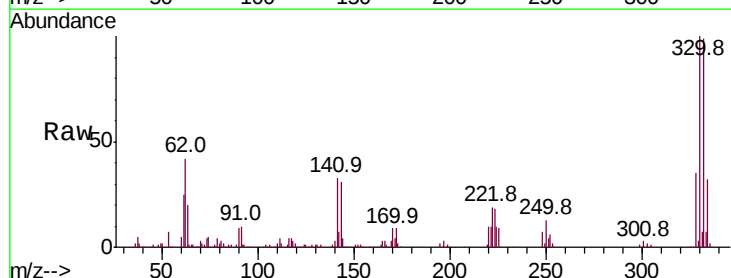
Tgt Ion:330 Resp: 350193

Ion Ratio Lower Upper

330 100

332 97.6 76.6 114.8

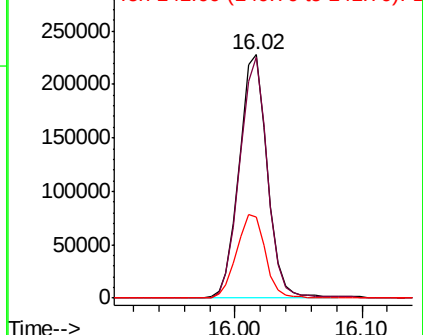
141 34.9 27.7 41.5

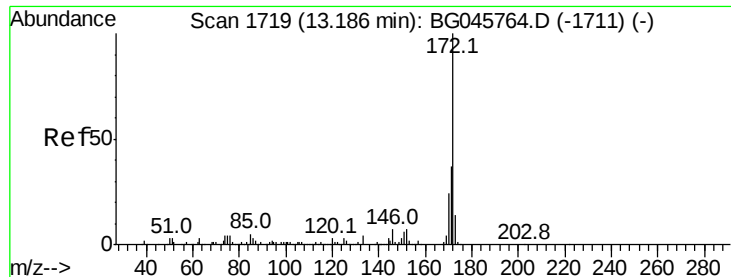


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



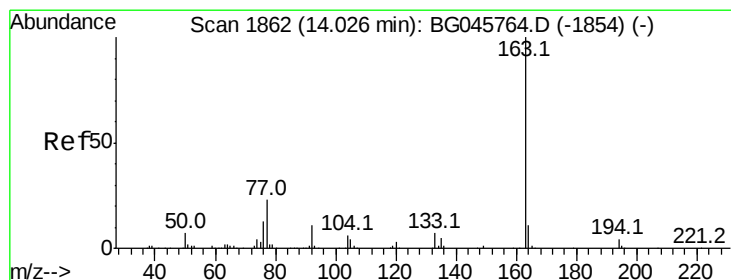
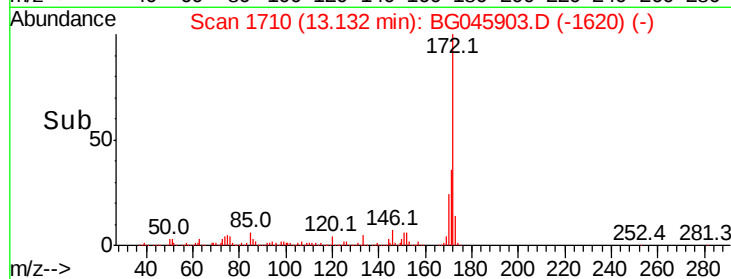
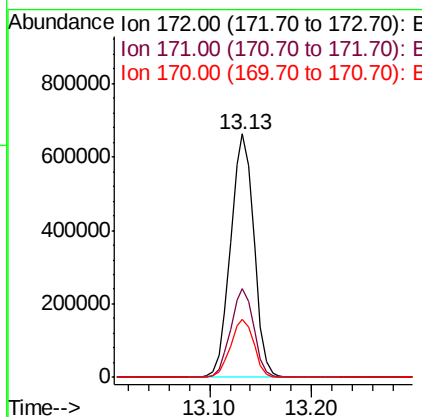
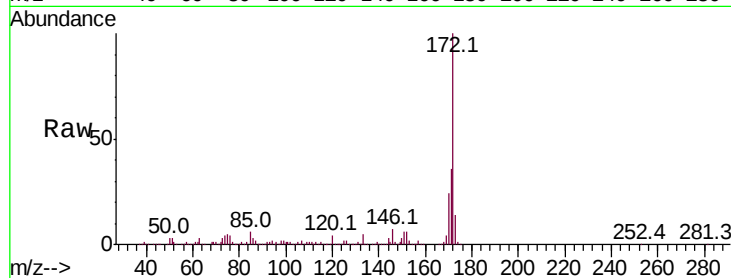


#45
2-Fluorobiphenyl
Concen: 93.399 ng
RT: 13.13 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BG045903.D
Acq: 1 Jul 2020 13:03

Instrument :
BNA_G
ClientSampleId :
CL-01-062420

Tot Ion:172 Resp: 1057183

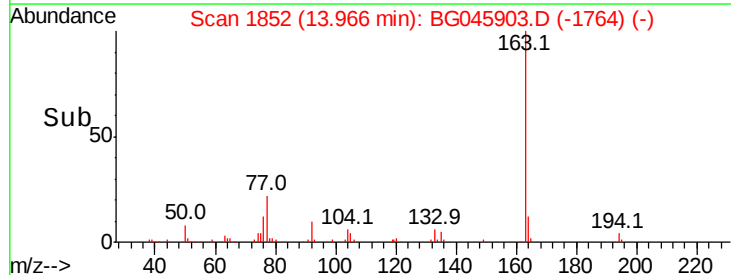
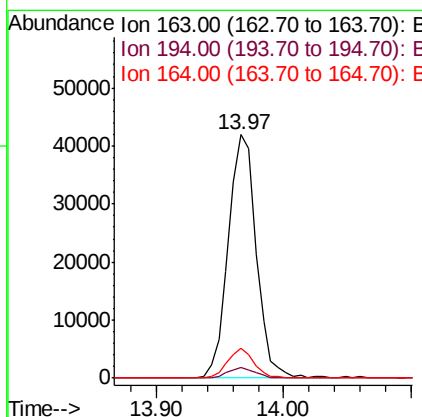
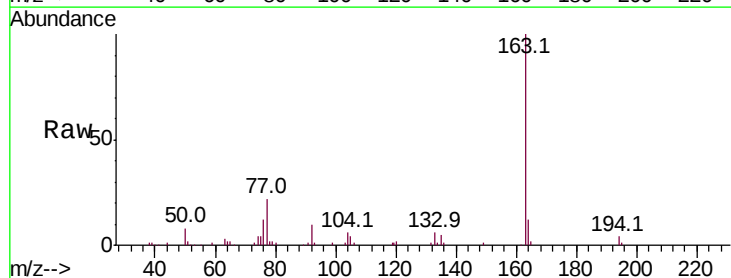
Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.9	43.3
170	23.8	19.1	28.7

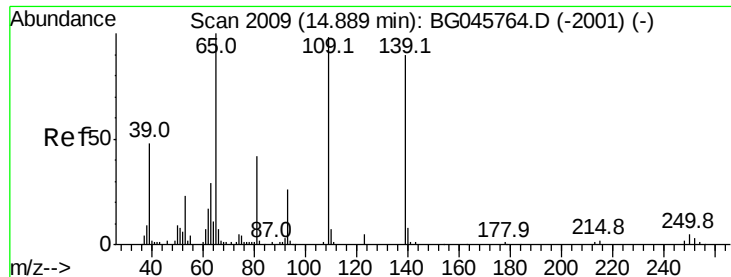


#50
Dimethylphthalate
Concen: 4.907 ng
RT: 13.97 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BG045903.D
Acq: 1 Jul 2020 13:03

Tgt Ion:163 Resp: 63941

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	12.0	8.8	13.2





#56

4-Nitrophenol

Concen: 4.518 ng

RT: 14.92 min Scan# 2014

Delta R.T. 0.12 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

Instrument :

BNA_G

ClientSampleId :

CL-01-062420

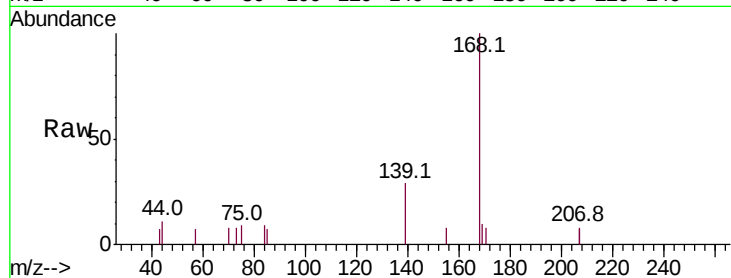
Tot Ion:139 Resp: 1202

Ion Ratio Lower Upper

139 100

109 0.0 83.9 123.9#

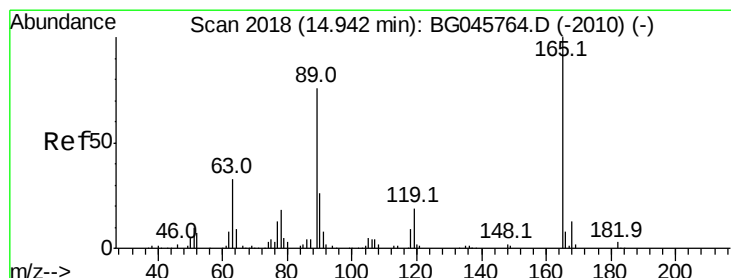
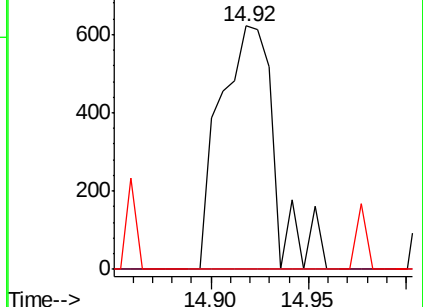
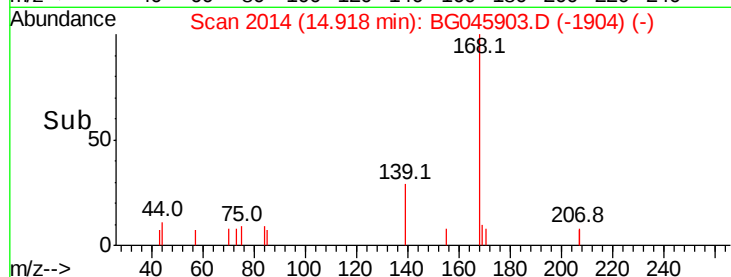
65 0.0 87.8 127.8#



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: 5.115 ng

RT: 14.51 min Scan# 1945

Delta R.T. -0.38 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

Tgt Ion:165 Resp: 21450

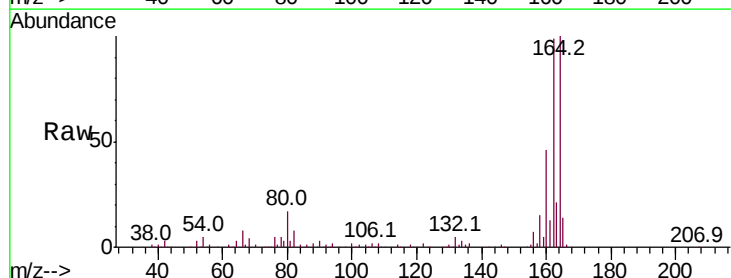
Ion Ratio Lower Upper

165 100

63 3.0 35.2 52.8#

89 2.8 61.4 92.2#

182 0.0 2.3 3.5#

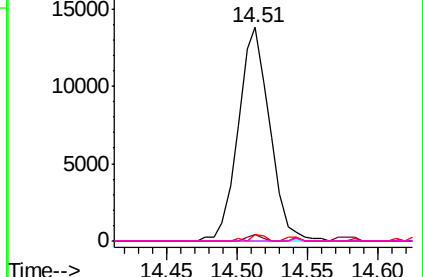
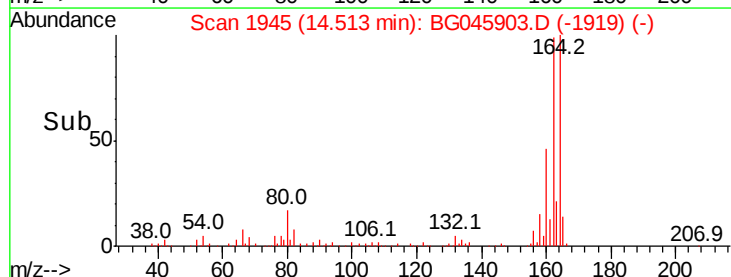


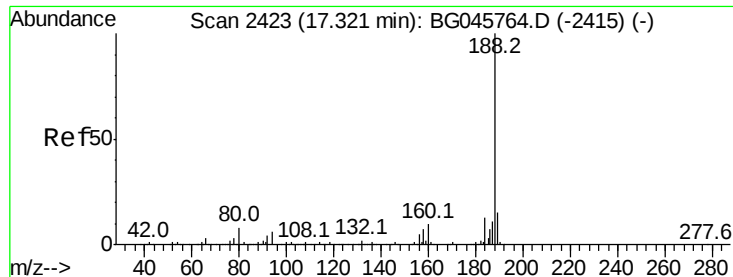
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.26 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

Instrument :

BNA_G

ClientSampleId :

CL-01-062420

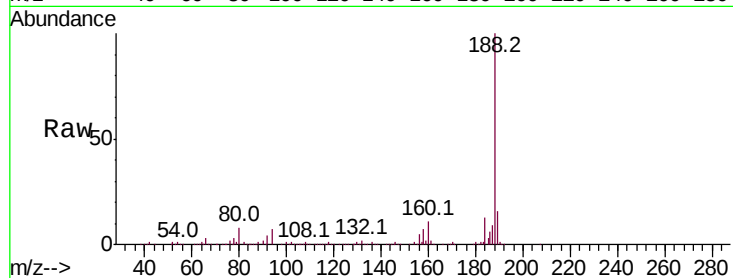
Tot Ion:188 Resp: 382241

Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 7.7 6.6 10.0



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

300000

200000

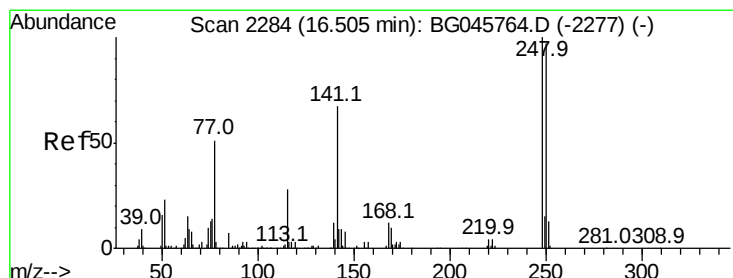
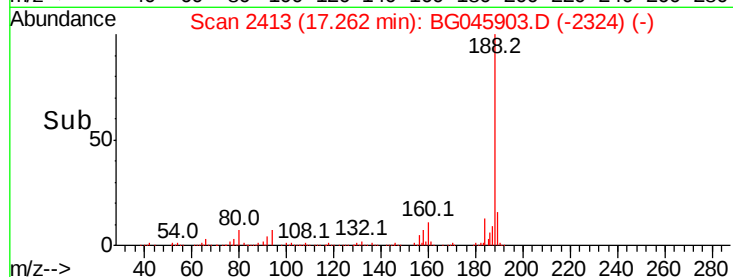
100000

0

17.26

17.20 17.30

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.823 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.44 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

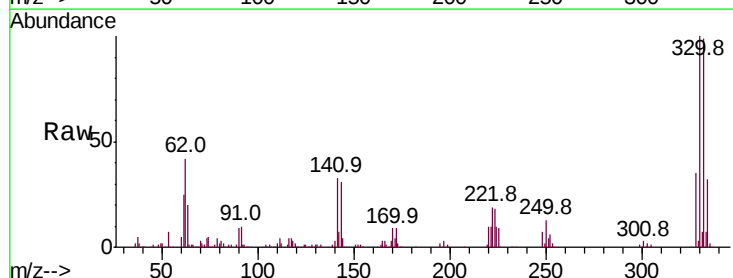
Tgt Ion:248 Resp: 23954

Ion Ratio Lower Upper

248 100

250 187.0 76.8 115.2#

141 477.4 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

100000

80000

60000

40000

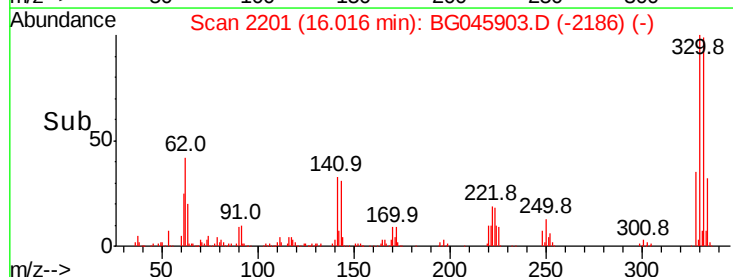
20000

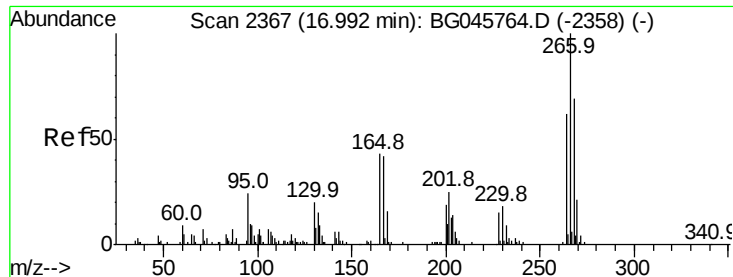
0

16.02

15.95 16.05

Time-->





#70

Pentachlorophenol

Concen: 7.652 ng

RT: 16.77 min Scan# 2329

Delta R.T. -0.17 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

Instrument :

BNA_G

ClientSampleId :

CL-01-062420

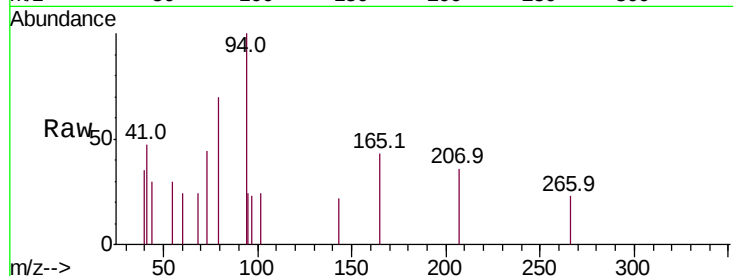
Tot Ion:266 Resp: 56

Ion Ratio Lower Upper

266 100

268 0.0 50.9 76.3#

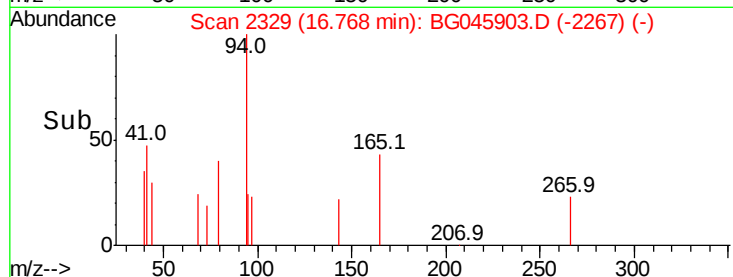
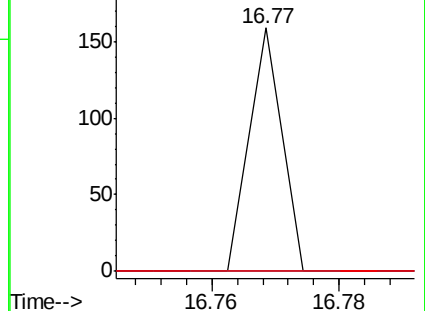
264 0.0 49.8 74.8#



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: 21.51 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

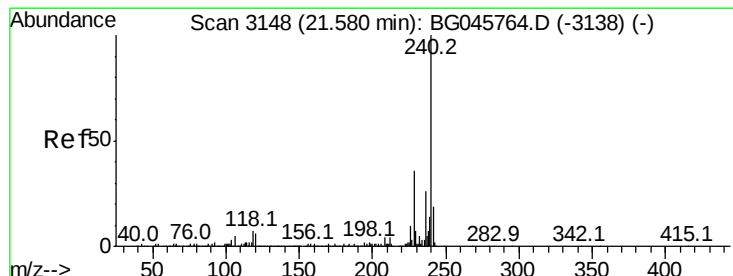
Tgt Ion:240 Resp: 375220

Ion Ratio Lower Upper

240 100

120 7.0 5.6 8.4

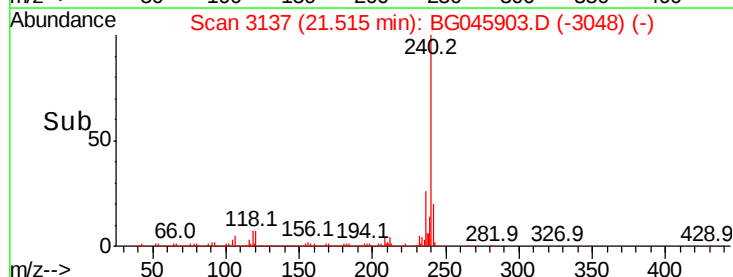
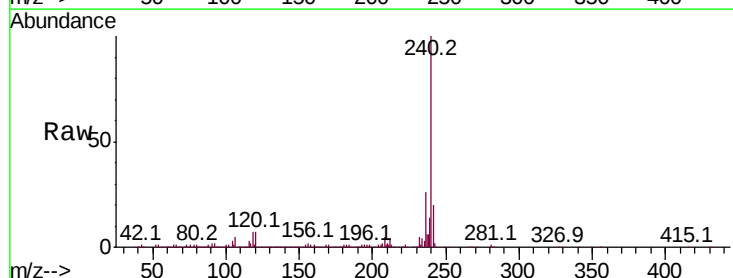
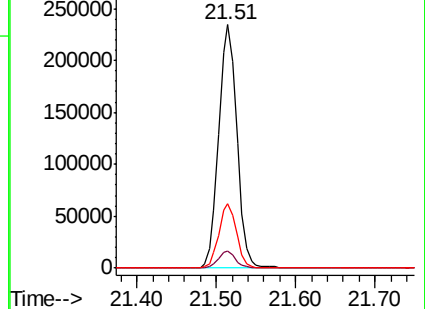
236 26.4 21.3 31.9

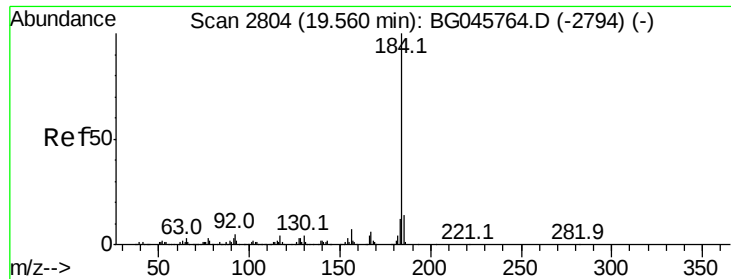


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.387 ng

RT: 19.89 min Scan# 2860

Delta R.T. 0.38 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

Instrument :

BNA_G

ClientSampleId :

CL-01-062420

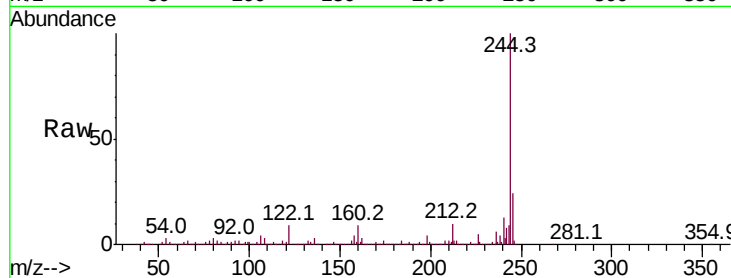
Tot Ion:184 Resp: 33043

Ion Ratio Lower Upper

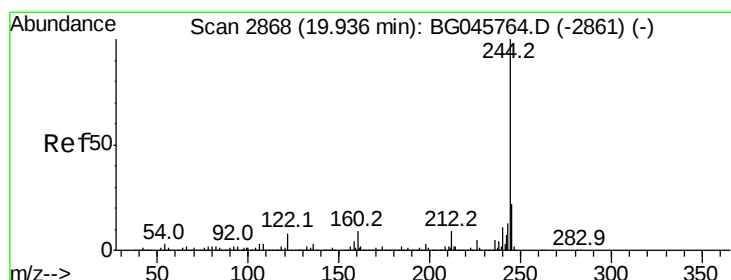
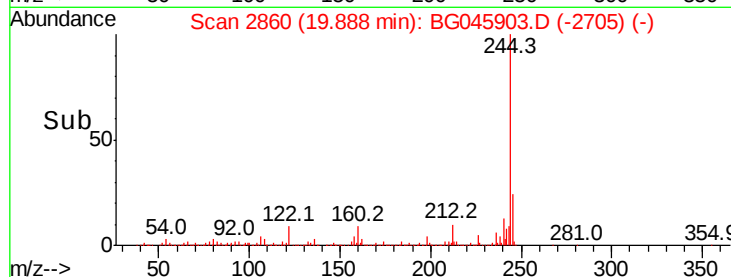
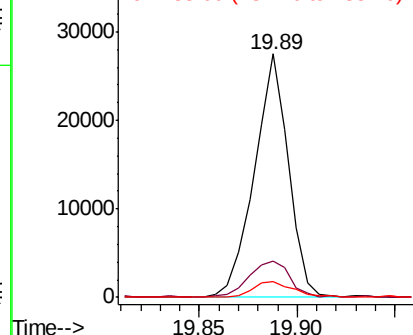
184 100

185 14.7 10.6 15.8

183 6.6 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



#79

Terphenyl-d14

Concen: 96.974 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG045903.D

Acq: 1 Jul 2020 13:03

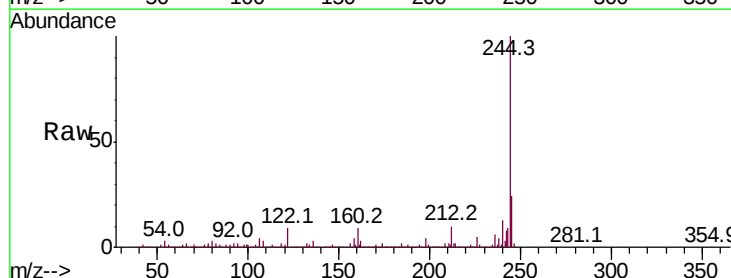
Tgt Ion:244 Resp: 1795461

Ion Ratio Lower Upper

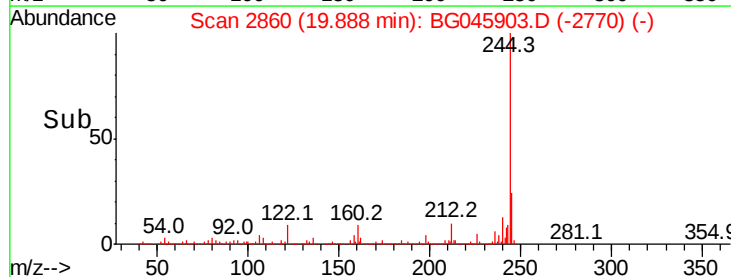
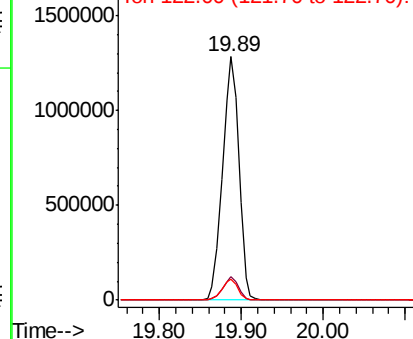
244 100

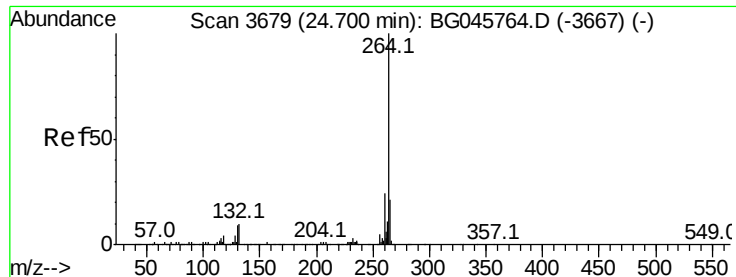
212 9.6 7.2 10.8

122 8.8 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
Pervlene-d12
Concen: 20.000 ng
RT: 24.60 min Scan# 3662
Delta R.T. -0.01 min
Lab File: BG045903.D
Acq: 1 Jul 2020 13:03

Instrument :
BNA_G
ClientSampleId :
CL-01-062420

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	21.4	17.4	26.0

