

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045962.D
 Acq On : 7 Jul 2020 16:39
 Operator : CG/JU
 Sample : PB129955BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129955BL

Quant Time: Jul 07 18:10:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	145090	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	577374	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	354890	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	730634	20.00	ng	0.00
76) Chrysene-d12	21.63	240	713000	20.00	ng	0.00
86) Perylene-d12	24.78	264	701056	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1093015	122.17	ng	0.00
7) Phenol-d6	7.16	99	1513359	117.49	ng	0.00
23) Nitrobenzene-d5	9.16	82	983507	98.04	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	442463	134.33	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1944571	85.47	ng	0.00
79) Terphenyl-d14	19.99	244	2665707	83.21	ng	0.00

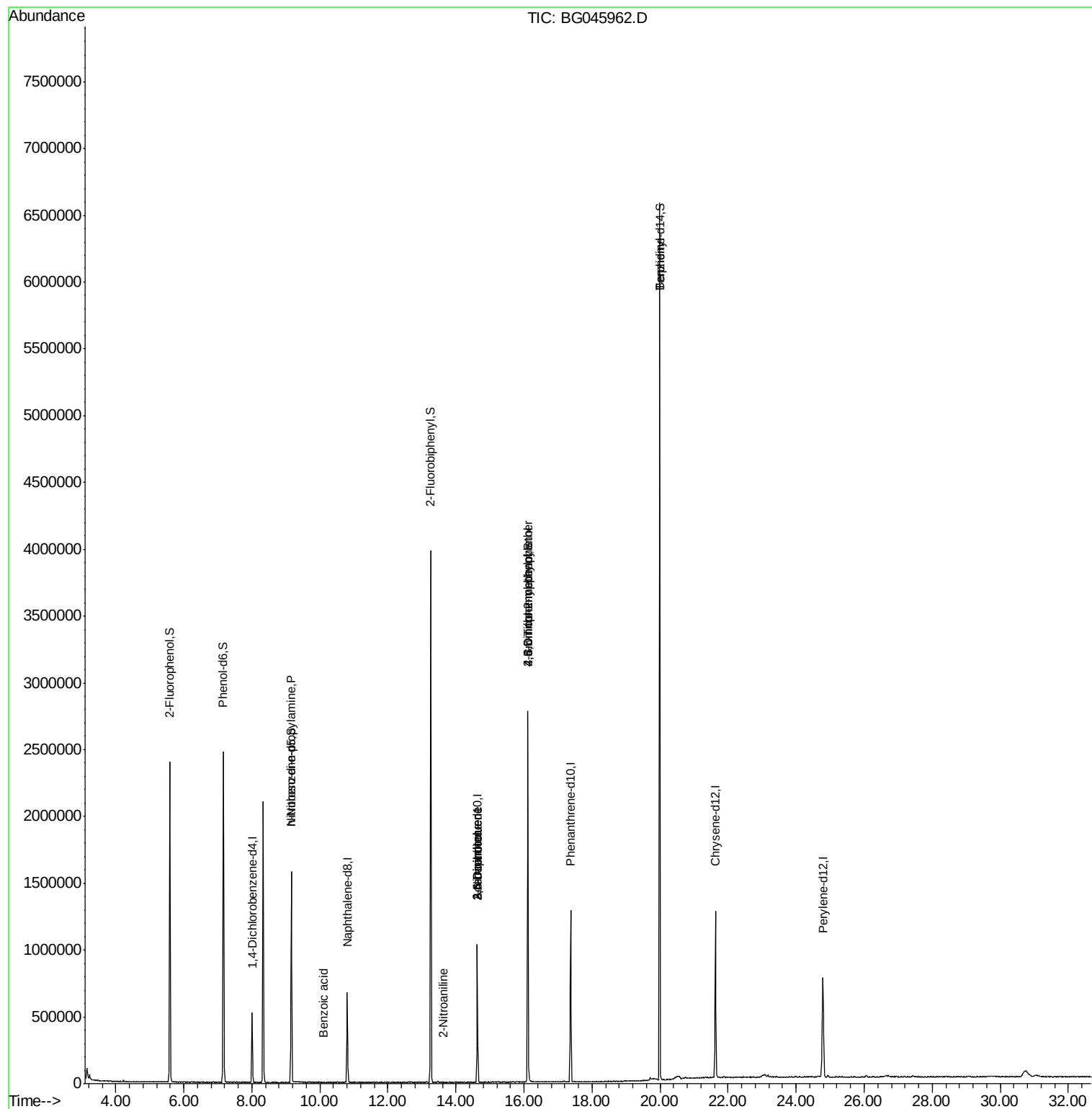
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	135377	14.960	ng	# 79
32) Benzoic acid	10.12	122	65	6.517	ng	# 30
48) 2-Nitroaniline	13.62	65	225	3.405	ng	# 91
51) 2,6-Dinitrotoluene	14.63	165	45963	12.294	ng	# 18
53) 3-Nitroaniline	14.63	138	64	2.993	ng	# 1
57) 2,4-Dinitrotoluene	14.63	165	45963	10.863	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.11	198	1915	7.444	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	31593	3.872	ng	# 1
77) Benzidine	19.99	184	57629	2.827	ng	# 92

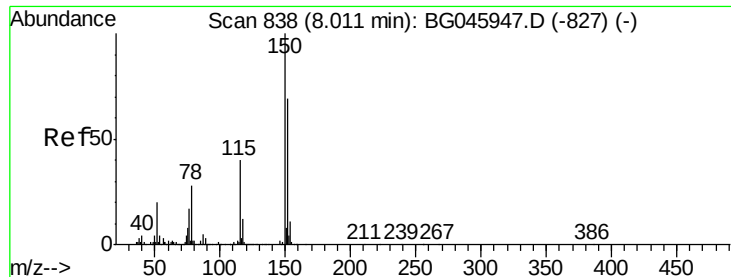
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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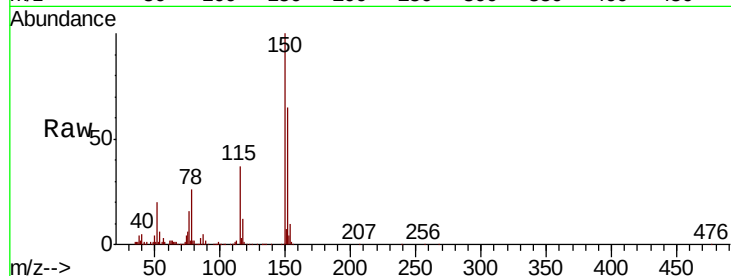


#1

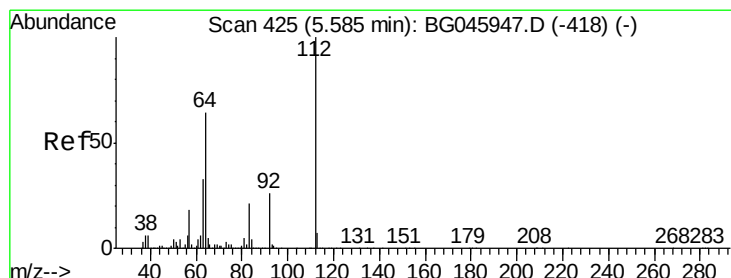
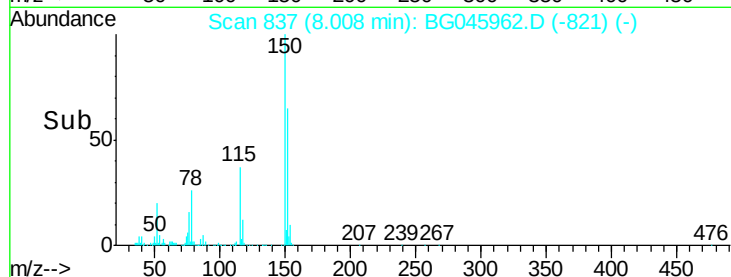
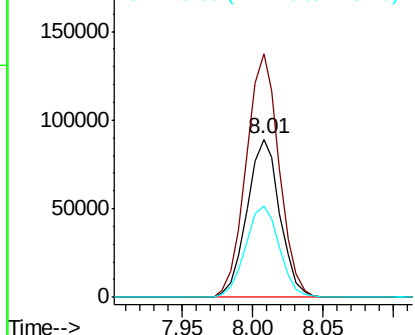
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Instrument :
BNA_G
ClientSampleId :
PB129955BL

Tot Ion:152 Resp: 145090
Ion Ratio Lower Upper
152 100
150 154.0 116.7 175.1
115 57.7 47.4 71.0



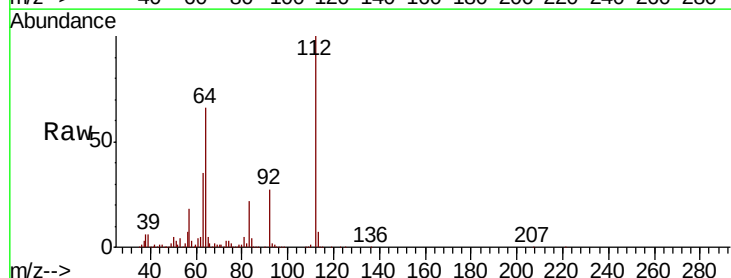
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



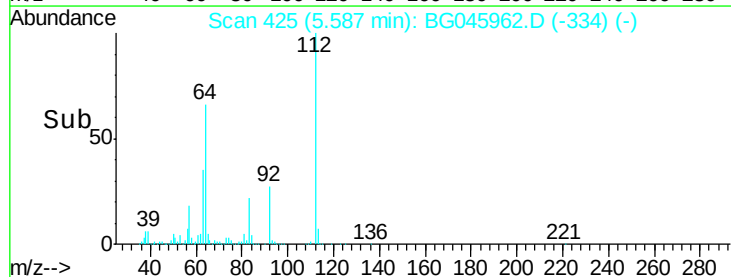
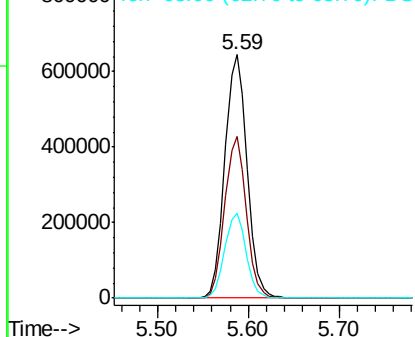
#5

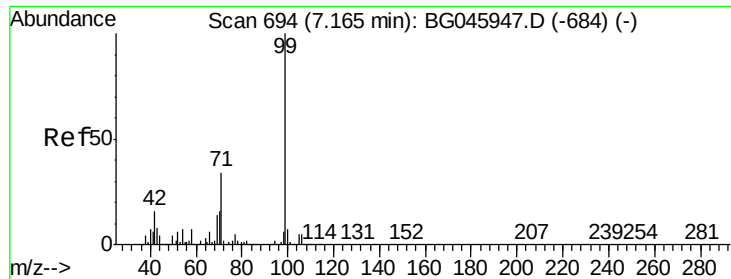
2-Fluorophenol
Concen: 122.166 ng
RT: 5.59 min Scan# 425
Delta R.T. 0.00 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Tgt Ion:112 Resp: 1093015
Ion Ratio Lower Upper
112 100
64 66.4 51.4 77.2
63 34.9 26.6 40.0



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: 117.487 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG045962.D

Acq: 7 Jul 2020 16:39

Instrument :

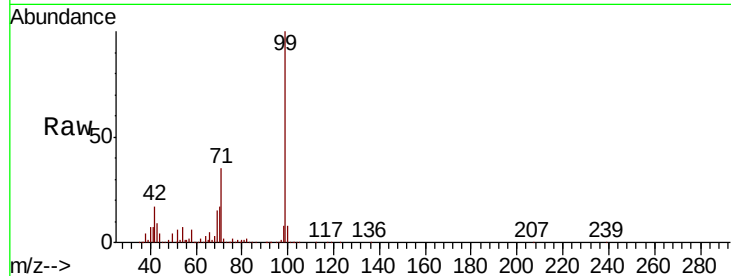
BNA_G

ClientSampled :

PB129955BL

Tot Ion: 99 Resp: 1513359

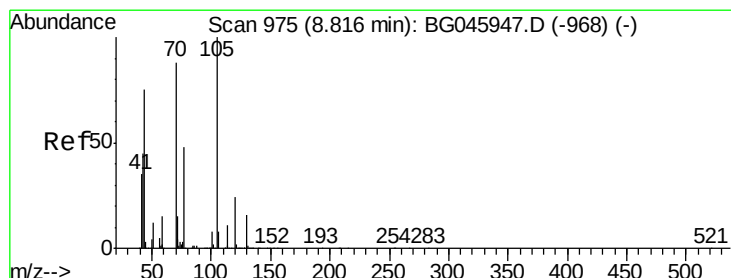
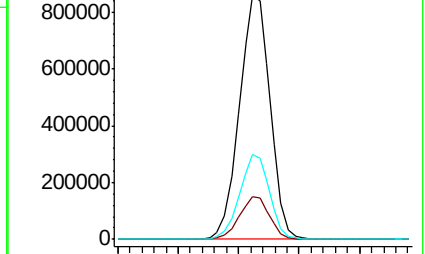
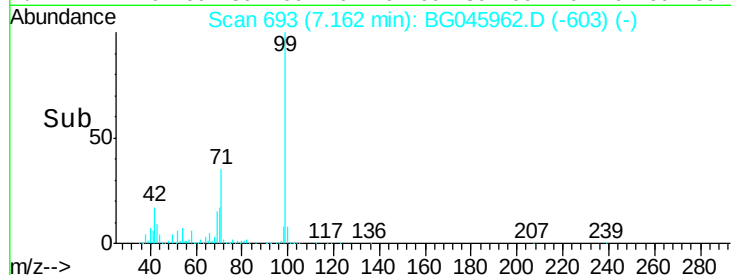
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.0	19.4
71	35.1	27.5	41.3



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: 14.960 ng

RT: 9.16 min Scan# 1033

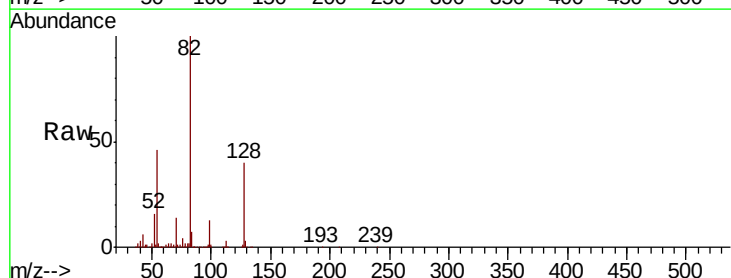
Delta R.T. 0.34 min

Lab File: BG045962.D

Acq: 7 Jul 2020 16:39

Tgt Ion: 70 Resp: 135377

Ion	Ratio	Lower	Upper
70	100		
42	41.2	41.4	62.0#
101	0.0	7.1	10.7#
130	2.2	14.9	22.3#

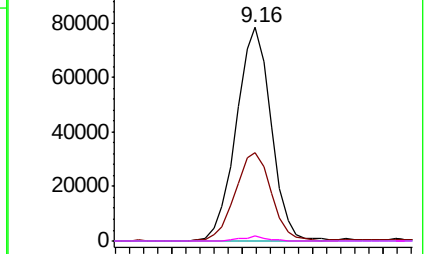
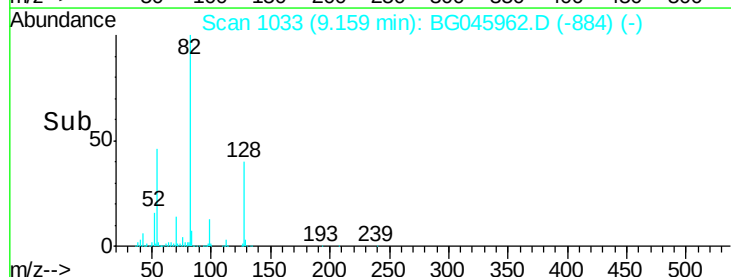


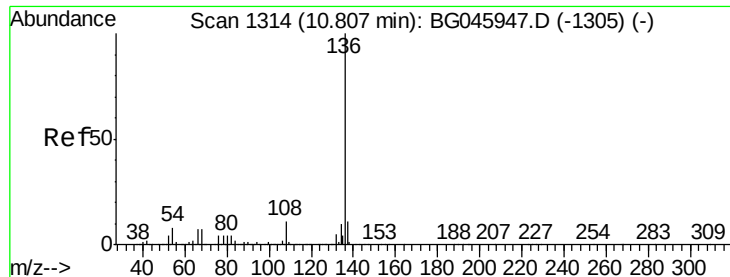
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

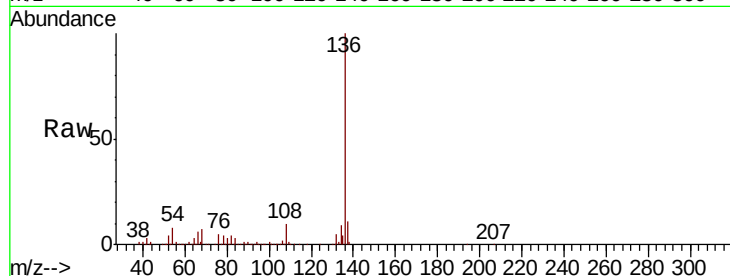




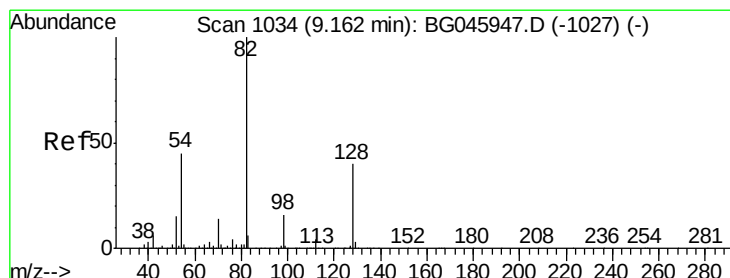
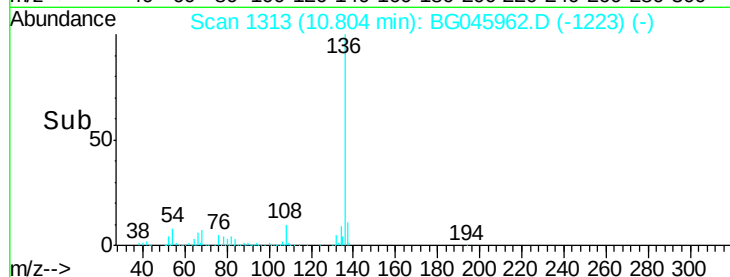
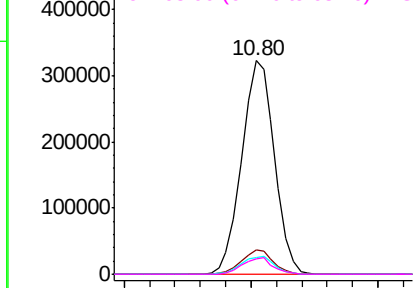
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Instrument :
BNA_G
ClientSampleId :
PB129955BL

Tot Ion:136	Resp:	577374	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.2	13.8	
54 8.1	6.2	9.4	
68 7.3	5.8	8.8	

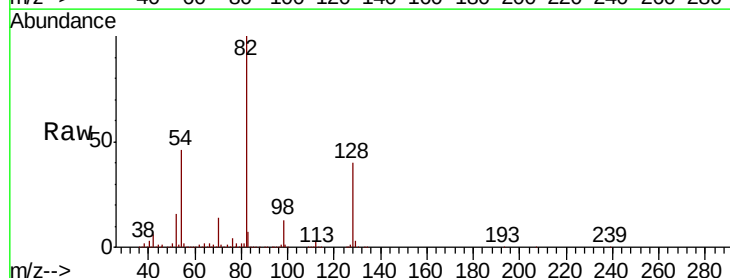


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

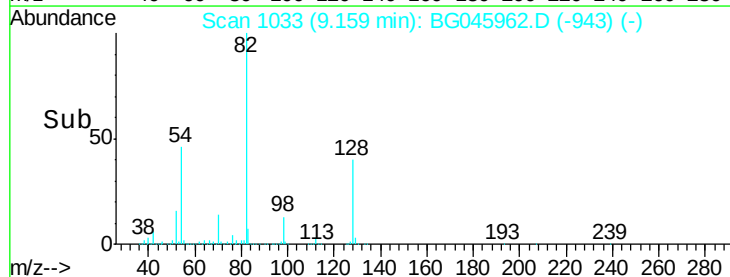
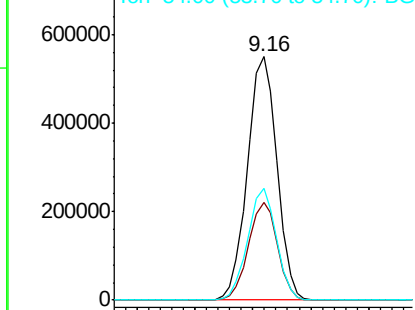


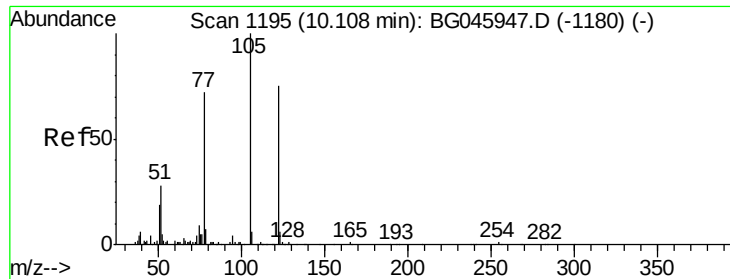
#23
Nitrobenzene-d5
Concen: 98.045 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Tgt	Ion: 82	Resp:	983507
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.2	48.4
54	45.8	35.8	53.6



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

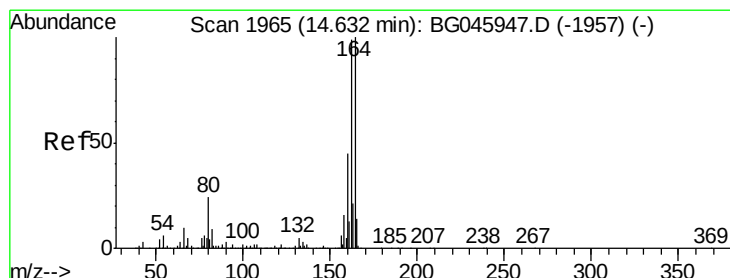
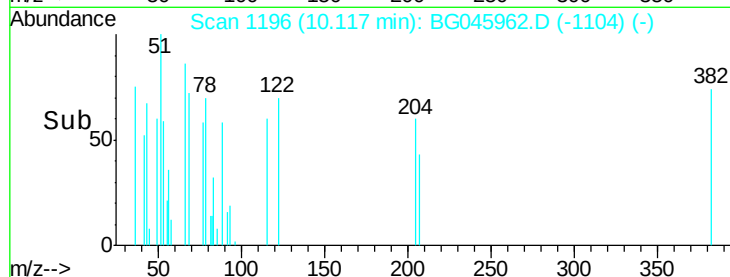
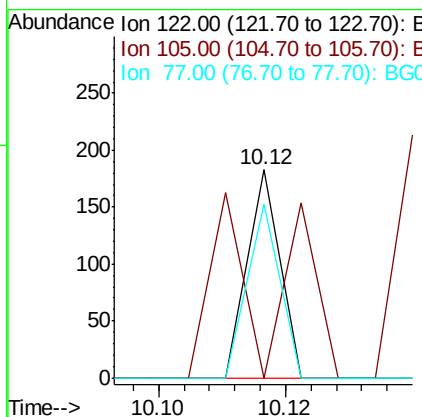
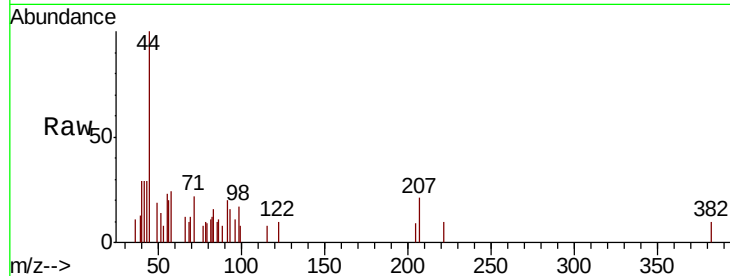




#32
Benzoic acid
Concen: 6.517 ng
RT: 10.12 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

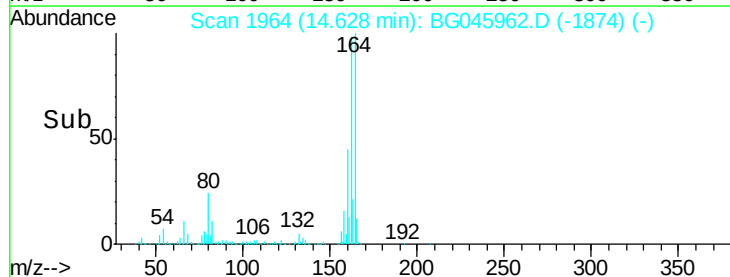
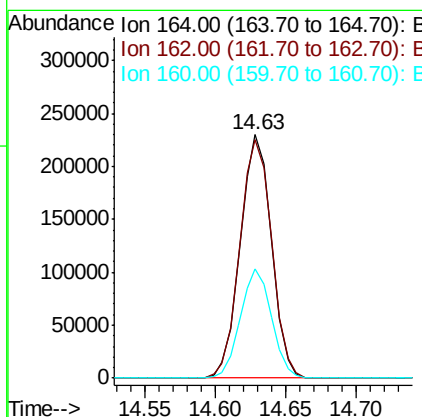
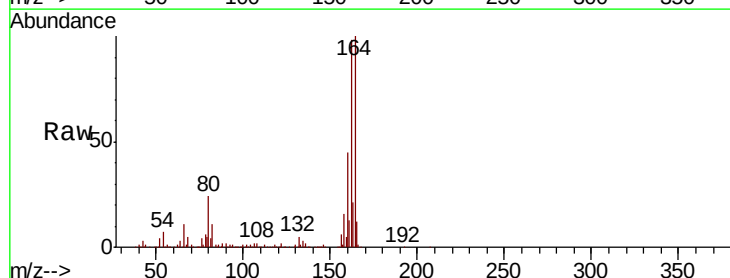
Instrument :
BNA_G
ClientSampleId :
PB129955BL

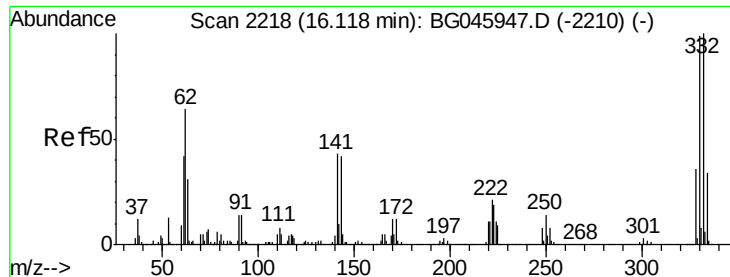
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	110.8	150.8#
77	83.6	76.4	116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.9	79.3	118.9
160	44.8	35.7	53.5

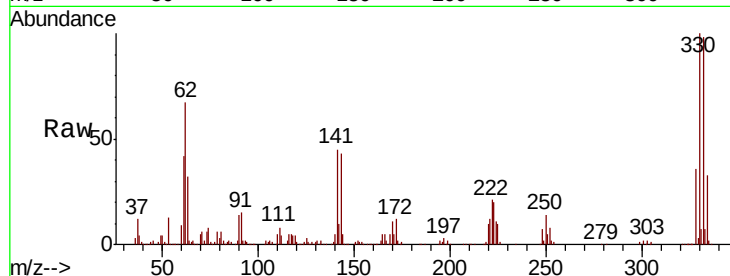




#42
 2,4,6-Tribromophenol
 Concen: 134.334 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: BG045962.D
 Acq: 7 Jul 2020 16:39

Instrument :
 BNA_G
 ClientSampleId :
 PB129955BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.3	117.5
141	45.4	36.6	54.8

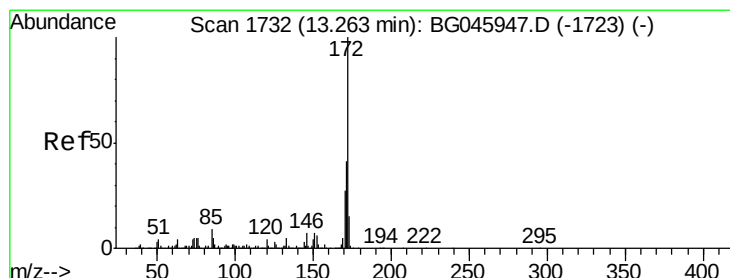
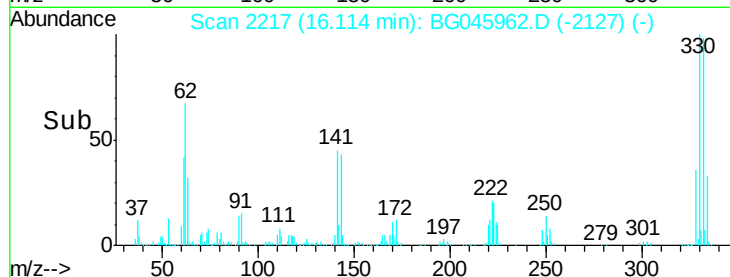
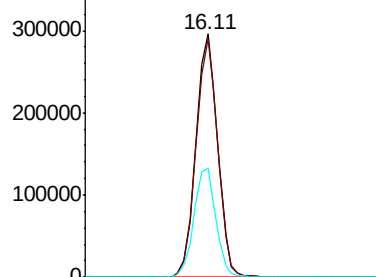


Abundance

Ion 329.80 (329.50 to 330.50): E

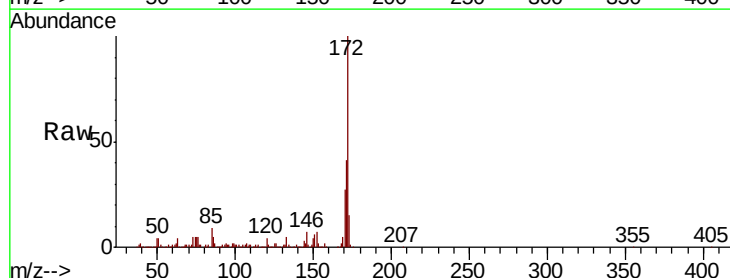
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.468 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG045962.D
 Acq: 7 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.0	32.9	49.3
170	26.9	21.8	32.6

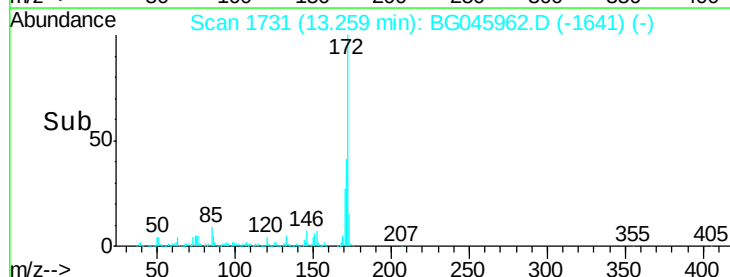
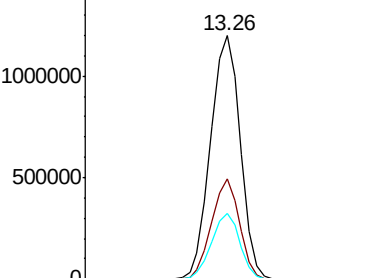


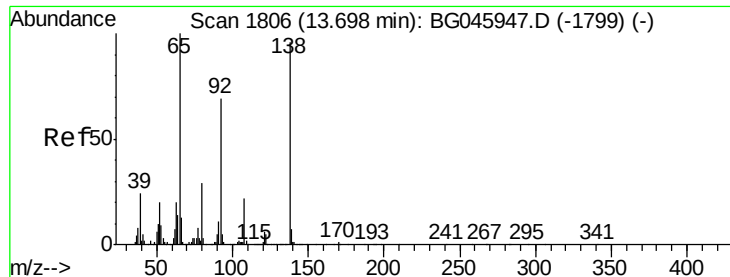
Abundance

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

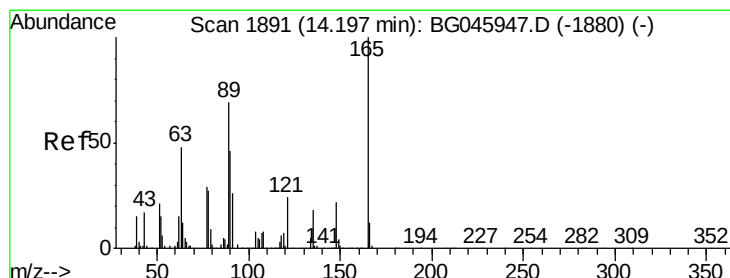
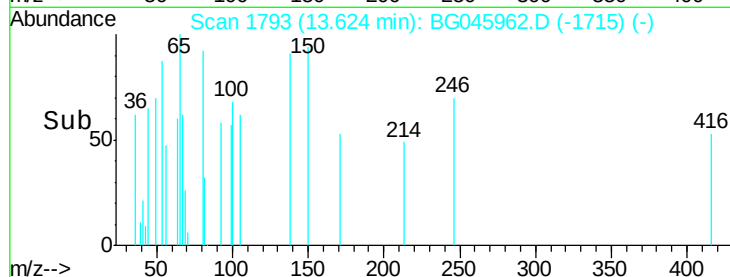
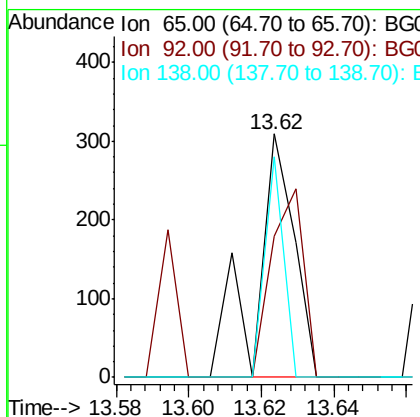
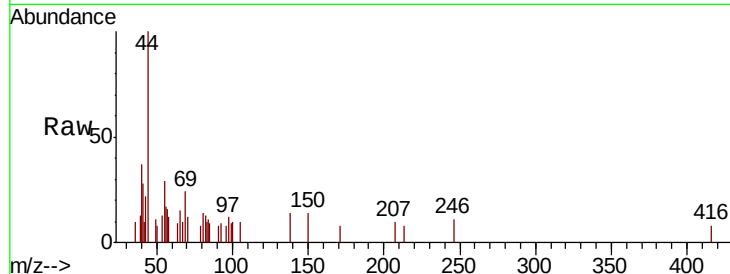




#48
2-Nitroaniline
Concen: 3.405 ng
RT: 13.62 min Scan# 1793
Delta R.T. -0.07 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

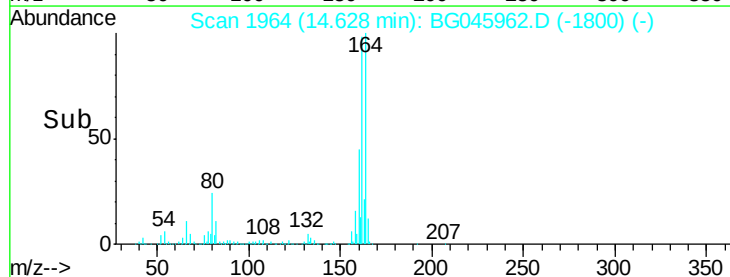
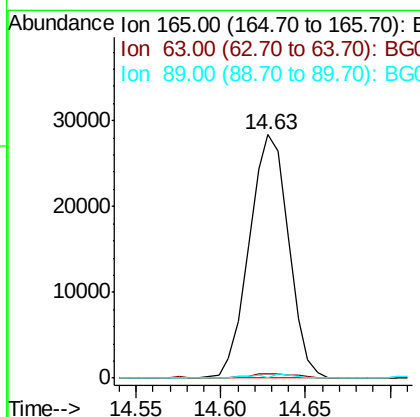
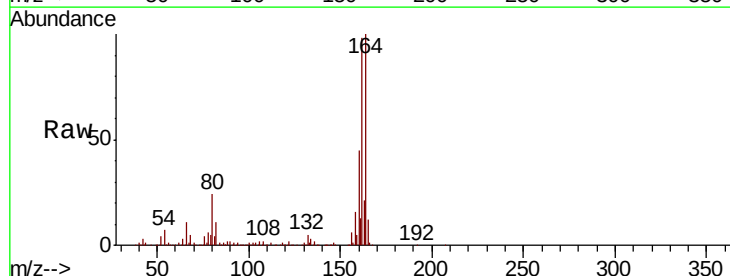
Instrument :
BNA_G
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PB129955BL

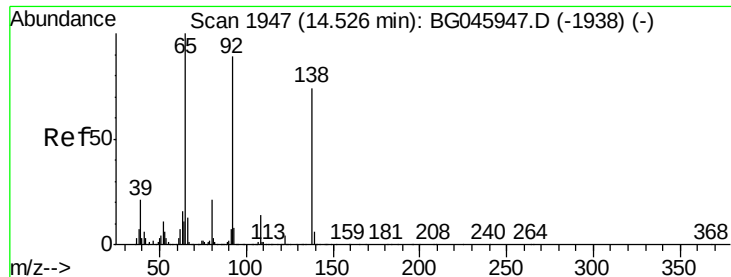
Tot Ion: 65 Resp: 225
Ion Ratio Lower Upper
65 100
92 58.3 55.4 83.0
138 90.6 77.0 115.4



#51
2,6-Dinitrotoluene
Concen: 12.294 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Tgt Ion: 165 Resp: 45963
Ion Ratio Lower Upper
165 100
63 1.7 51.0 76.4#
89 0.0 55.7 83.5#

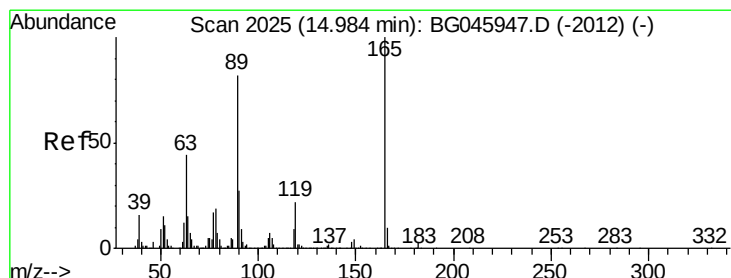
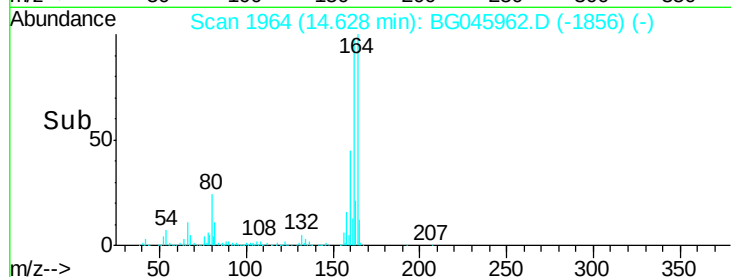
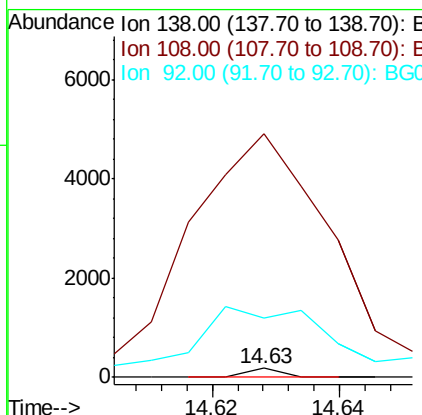
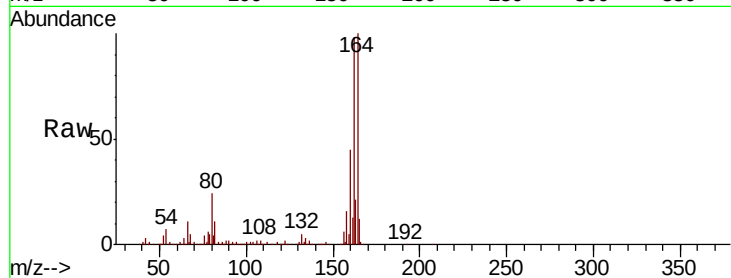




#53
3-Nitroaniline
Concen: 2.993 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.10 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

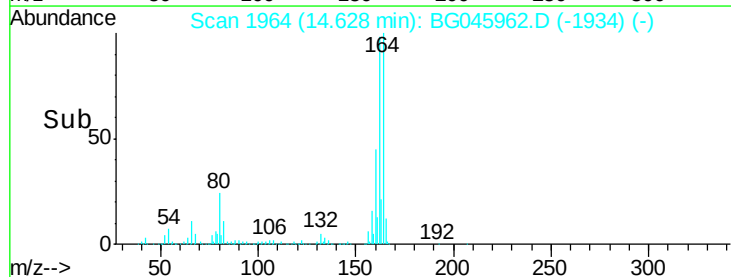
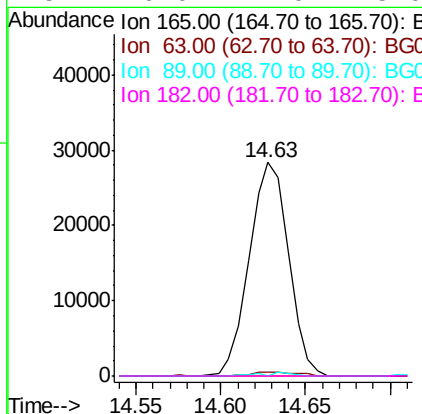
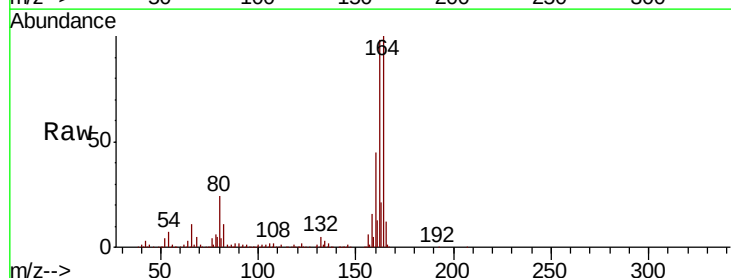
Instrument :
BNA_G
ClientSampleId :
PB129955BL

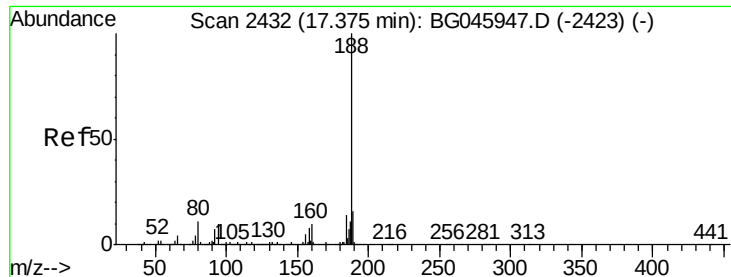
Tot Ion:138 Resp: 64
Ion Ratio Lower Upper
138 100
108 2695.1 15.4 23.2#
92 654.4 95.9 143.9#



#57
2,4-Dinitrotoluene
Concen: 10.863 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.36 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Tgt Ion:165 Resp: 45963
Ion Ratio Lower Upper
165 100
63 1.7 35.4 53.0#
89 0.0 65.4 98.2#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BG045962.D

Acq: 7 Jul 2020 16:39

Instrument :

BNA_G

ClientSampleId :

PB129955BL

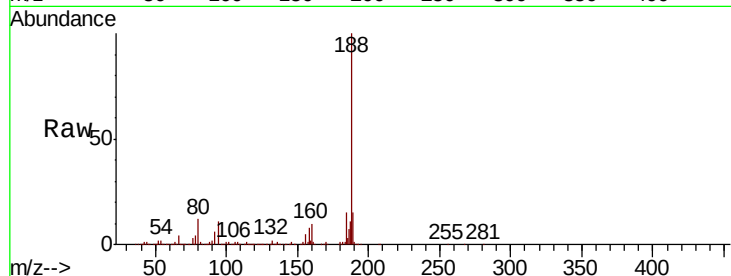
Tot Ion:188 Resp: 730634

Ion Ratio Lower Upper

188 100

94 10.9 8.2 12.4

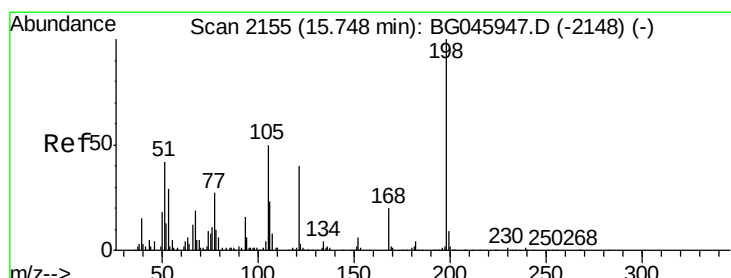
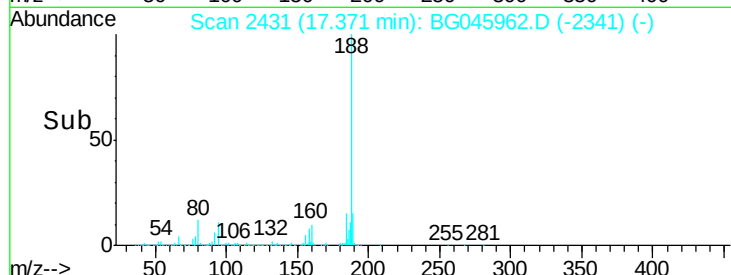
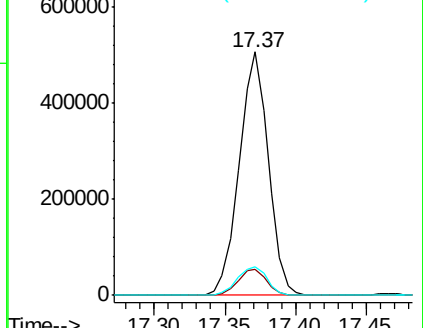
80 11.8 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.444 ng

RT: 16.11 min Scan# 2217

Delta R.T. 0.37 min

Lab File: BG045962.D

Acq: 7 Jul 2020 16:39

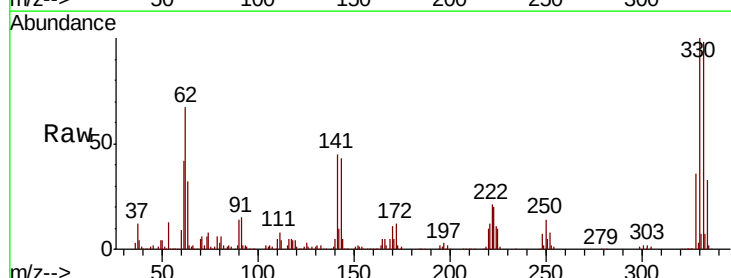
Tgt Ion:198 Resp: 1915

Ion Ratio Lower Upper

198 100

51 141.0 24.5 64.5#

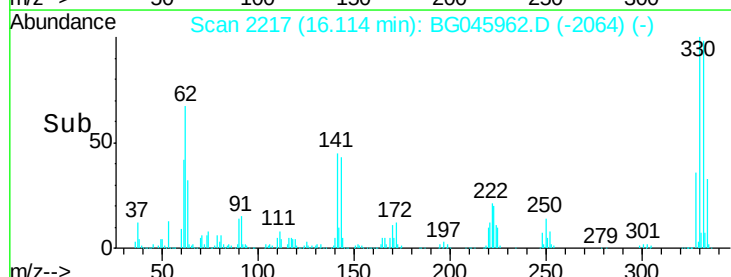
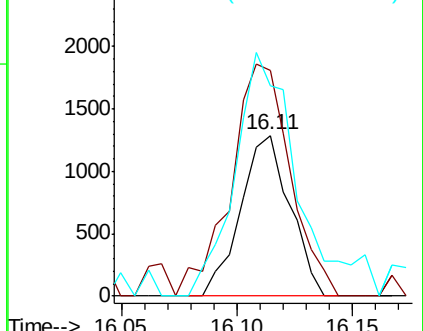
105 131.0 30.9 70.9#

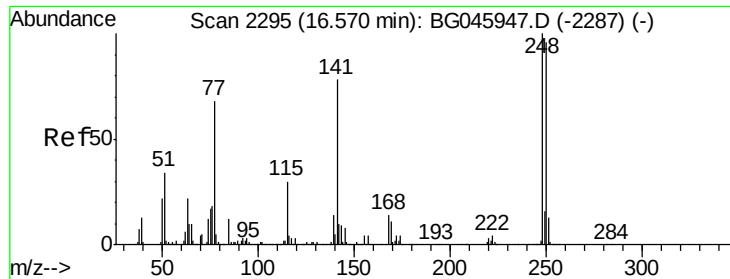


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

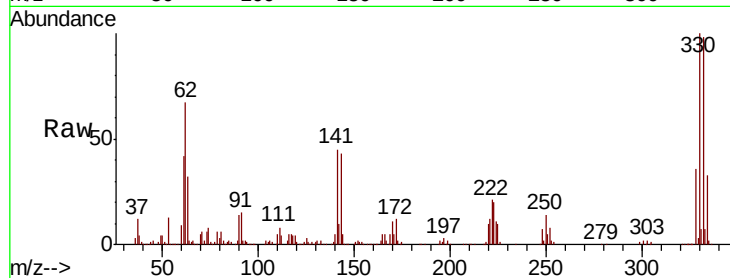




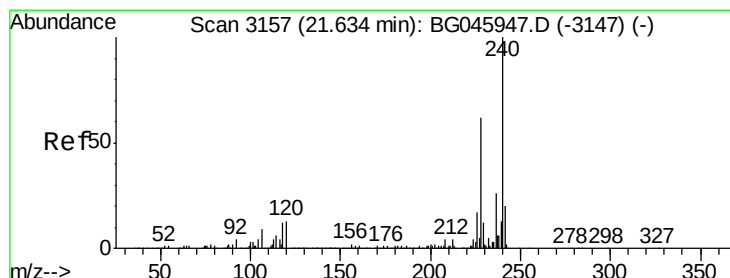
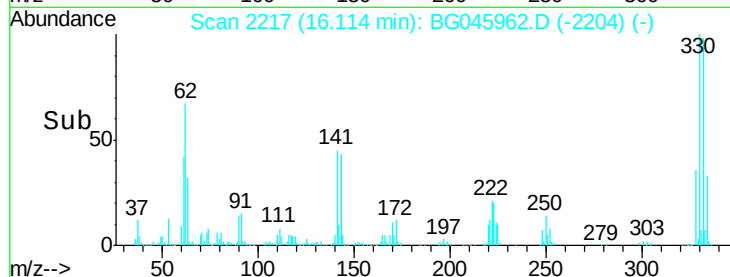
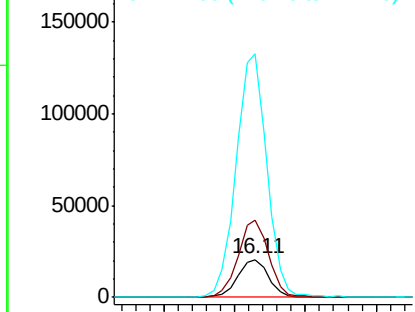
#67
4-Bromophenyl-phenylether
Concen: 3.872 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.46 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Instrument :
BNA_G
ClientSampleId :
PB129955BL

Tot Ion:248 Resp: 31593
Ion Ratio Lower Upper
248 100
250 203.5 76.6 114.8#
141 639.2 62.7 94.1#

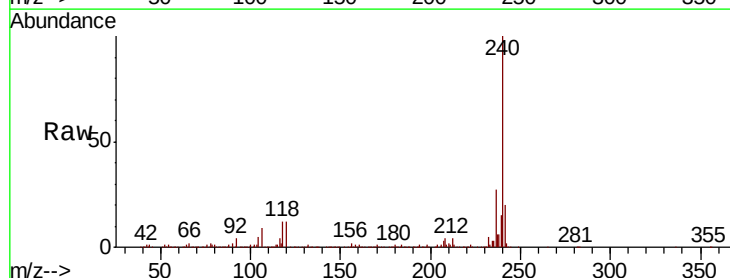


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

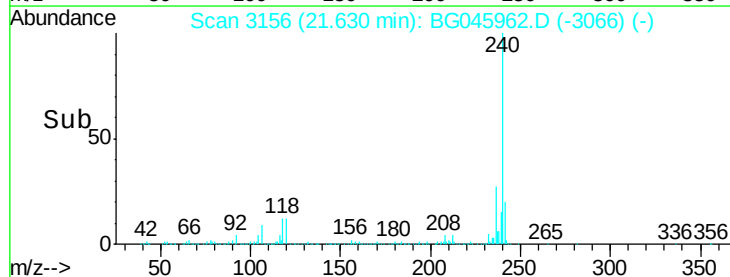
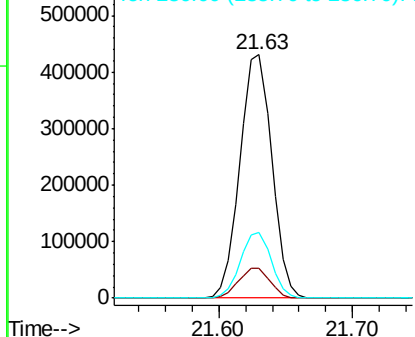


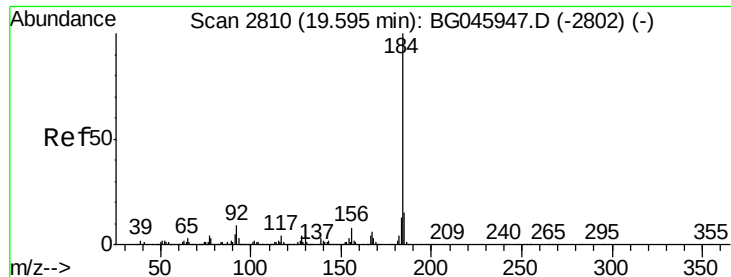
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Tgt Ion:240 Resp: 713000
Ion Ratio Lower Upper
240 100
120 12.4 10.6 16.0
236 26.9 20.4 30.6



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: 2.827 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.40 min

Lab File: BG045962.D

Acq: 7 Jul 2020 16:39

Instrument :

BNA_G

ClientSampleId :

PB129955BL

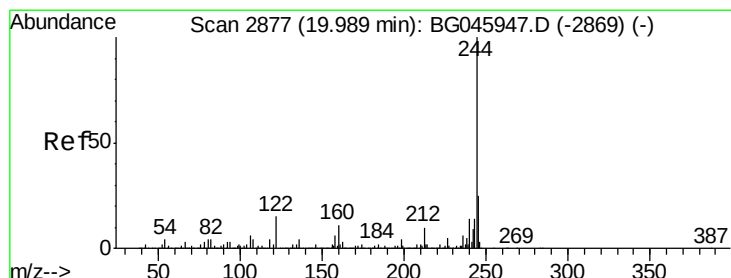
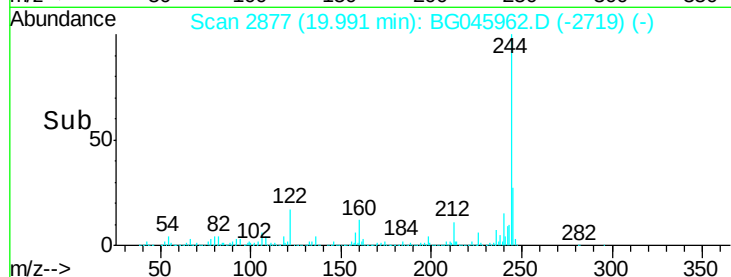
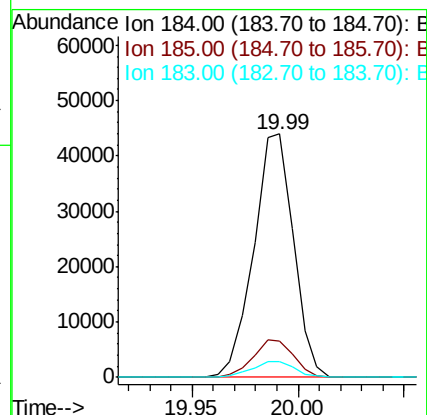
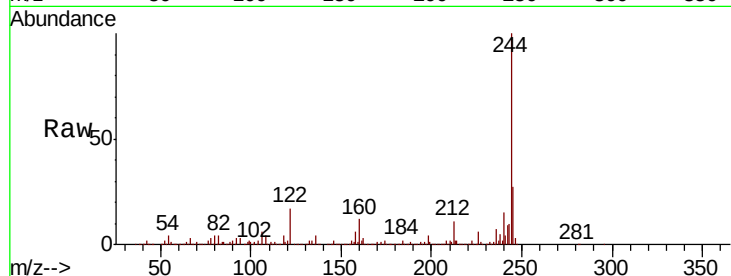
Tot Ion:184 Resp: 57629

Ion Ratio Lower Upper

184 100

185 15.0 11.6 17.4

183 6.6 10.4 15.6#



#79

Terphenyl-d14

Concen: 83.206 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BG045962.D

Acq: 7 Jul 2020 16:39

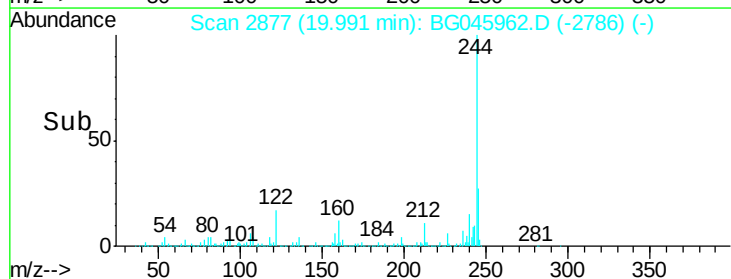
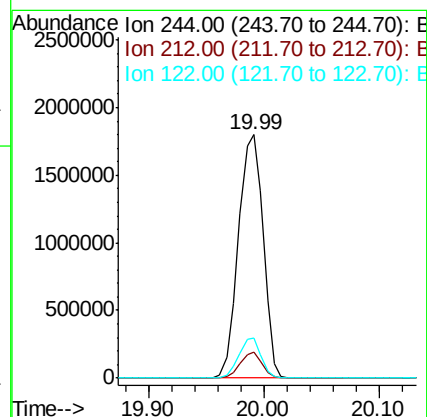
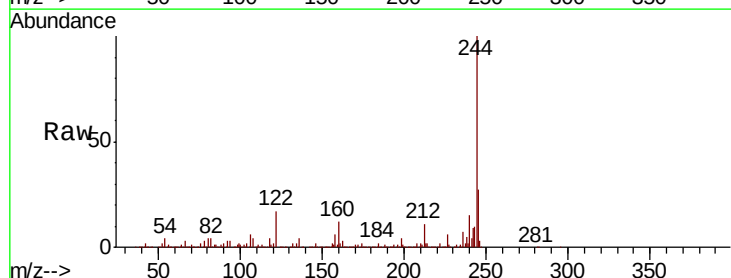
Tgt Ion:244 Resp: 2665707

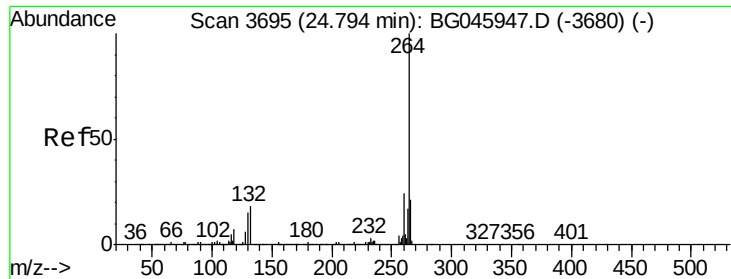
Ion Ratio Lower Upper

244 100

212 10.8 8.3 12.5

122 16.5 12.1 18.1





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045962.D
Acq: 7 Jul 2020 16:39

Instrument :
BNA_G
ClientSampleId :
PB129955BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.0	28.6
265	23.0	16.9	25.3

