

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045958.D
 Acq On : 7 Jul 2020 13:19
 Operator : CG/JU
 Sample : SP5185
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP5185

Quant Time: Jul 07 14:16:25 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

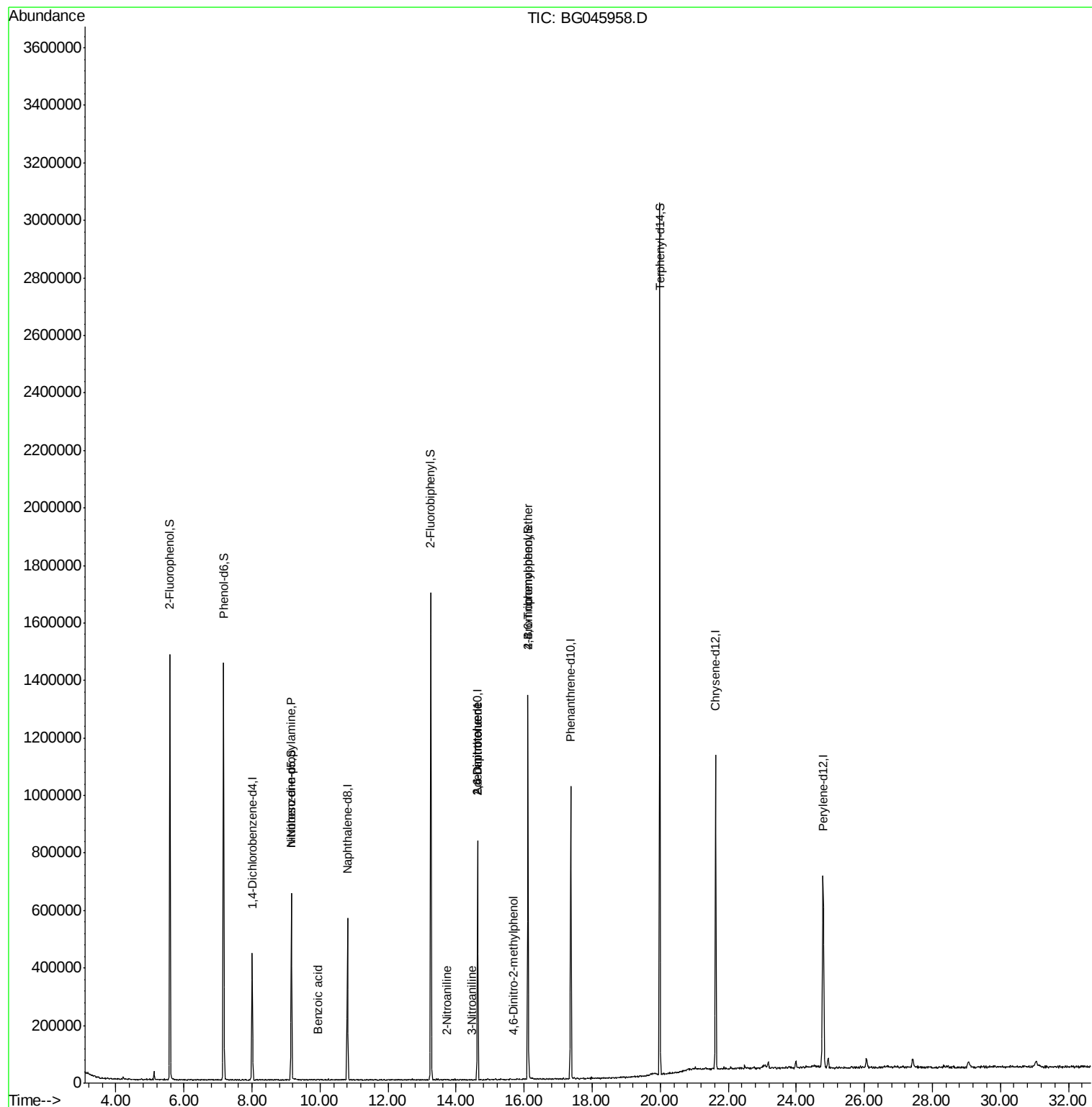
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	119078	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	477736	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	280131	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	592063	20.00	ng	0.00
76) Chrysene-d12	21.63	240	620218	20.00	ng	0.00
86) Perylene-d12	24.79	264	619765	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	651710	88.75	ng	0.00
7) Phenol-d6	7.16	99	870732	82.36	ng	0.00
23) Nitrobenzene-d5	9.16	82	395856	47.69	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	203497	78.27	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	862296	48.01	ng	0.00
79) Terphenyl-d14	19.99	244	1179711	42.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	54149	7.291	ng	# 81
32) Benzoic acid	9.93	122	64	6.519	ng	# 73
48) 2-Nitroaniline	13.73	65	111	3.392	ng	# 7
51) 2,6-Dinitrotoluene	14.63	165	36488	12.345	ng	# 18
53) 3-Nitroaniline	14.45	138	68	2.997	ng	# 1
57) 2,4-Dinitrotoluene	14.63	165	36488	10.902	ng	# 19
65) 4,6-Dinitro-2-methylphenol	15.68	198	58	6.815	ng	# 29
67) 4-Bromophenyl-phenylether	16.11	248	14499	2.193	ng	# 1

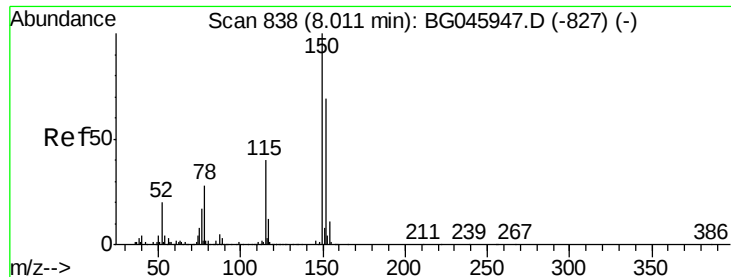
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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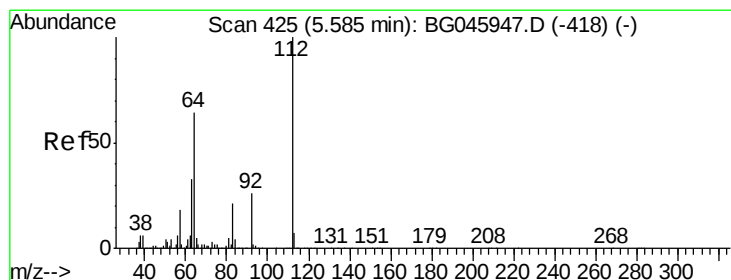
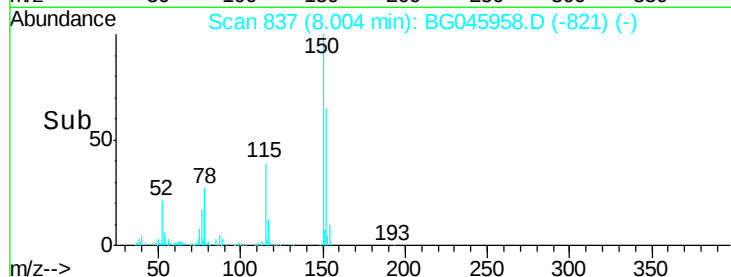
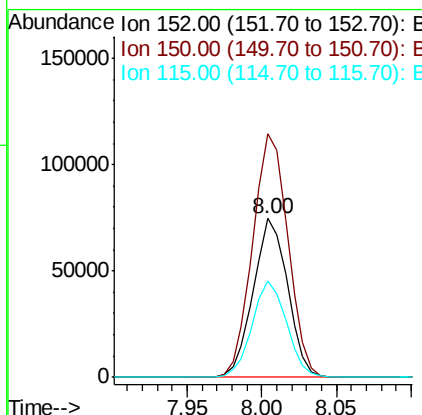
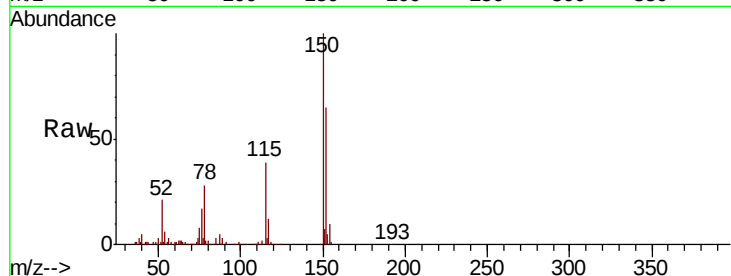


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

Instrument :
BNA_G
ClientSampleId :
SP5185

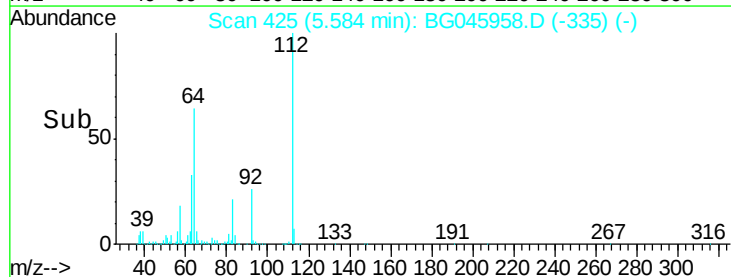
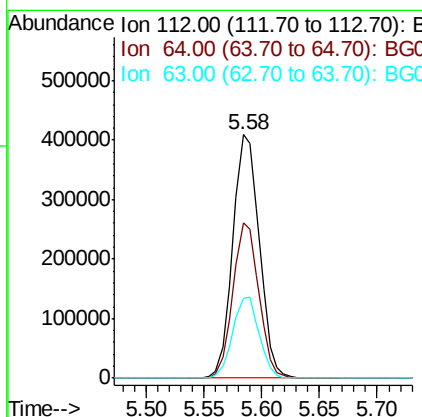
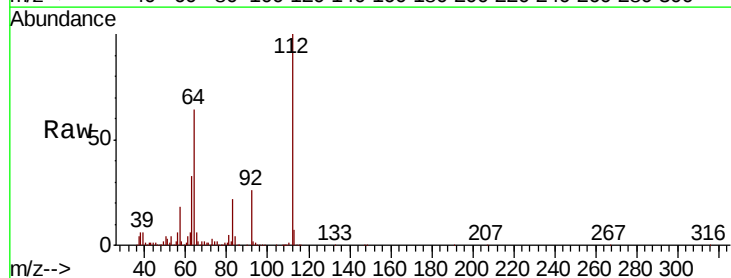
Tot Ion	152	Resp	119078
Ion	Ratio	Lower	Upper
152	100		
150	153.3	116.7	175.1
115	60.3	47.4	71.0

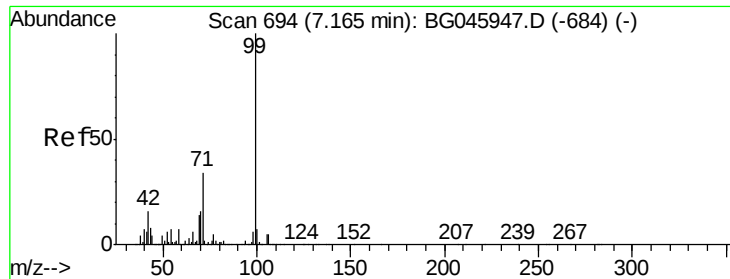


#5

2-Fluorophenol
Concen: 88.753 ng
RT: 5.58 min Scan# 425
Delta R.T. -0.00 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

Tgt Ion	112	Resp	651710
Ion	Ratio	Lower	Upper
112	100		
64	63.6	51.4	77.2
63	33.0	26.6	40.0





#7

Phenol-d6

Concen: 82.364 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045958.D

Acq: 7 Jul 2020 13:19

Instrument :

BNA_G

ClientSampleId :

SP5185

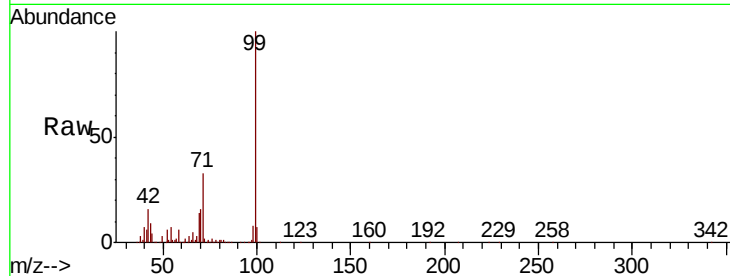
Tot Ion: 99 Resp: 870732

Ion Ratio Lower Upper

99 100

42 16.1 13.0 19.4

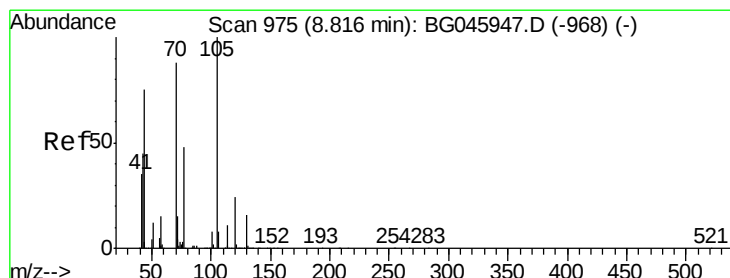
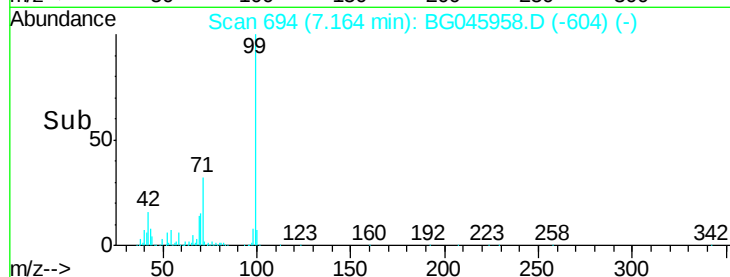
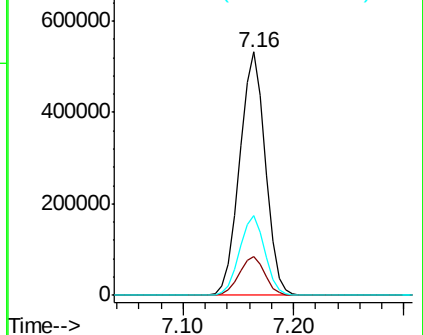
71 32.5 27.5 41.3



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: 7.291 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG045958.D

Acq: 7 Jul 2020 13:19

Tgt Ion: 70 Resp: 54149

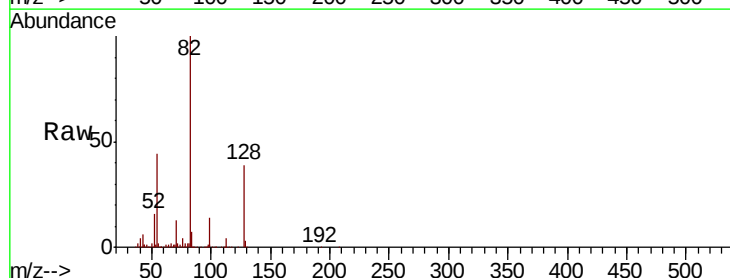
Ion Ratio Lower Upper

70 100

42 43.6 41.4 62.0

101 0.0 7.1 10.7#

130 3.0 14.9 22.3#

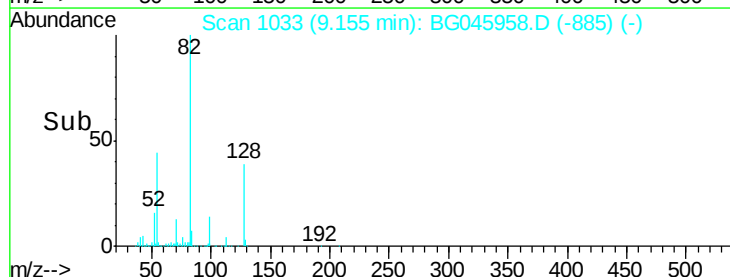
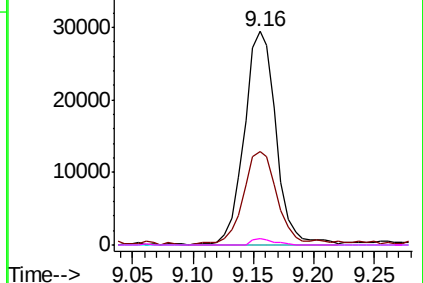


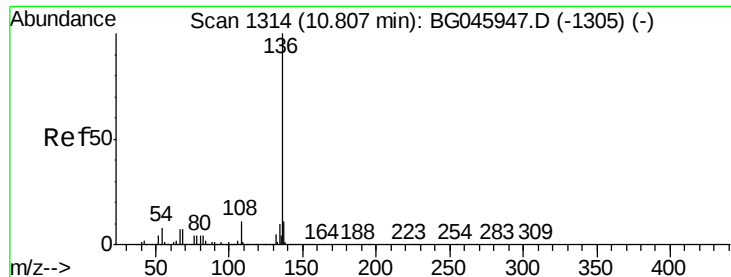
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

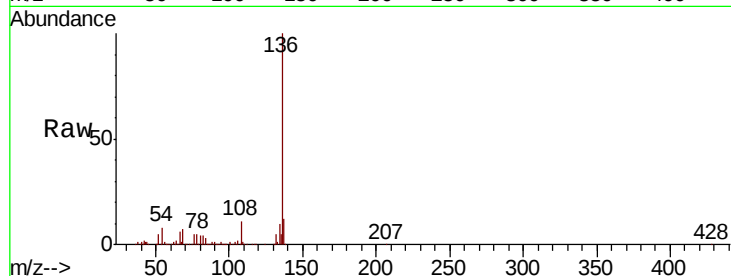




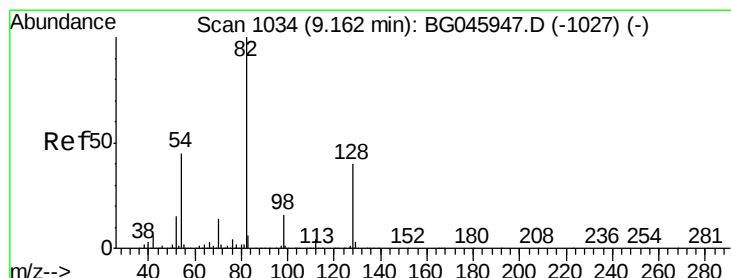
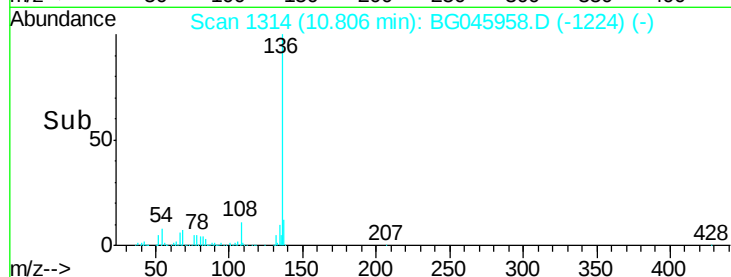
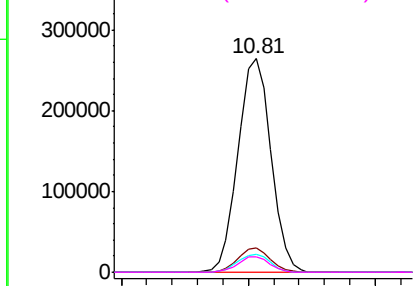
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

Instrument :
BNA_G
ClientSampleId :
SP5185

Tot Ion:136	Resp:	477736	
Ion Ratio	Lower	Upper	
136 100			
137 11.7	9.2	13.8	
54 8.2	6.2	9.4	
68 7.5	5.8	8.8	

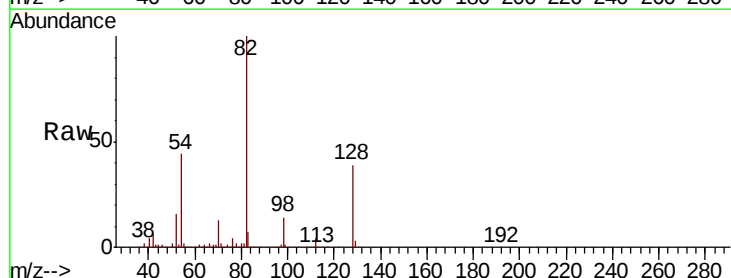


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

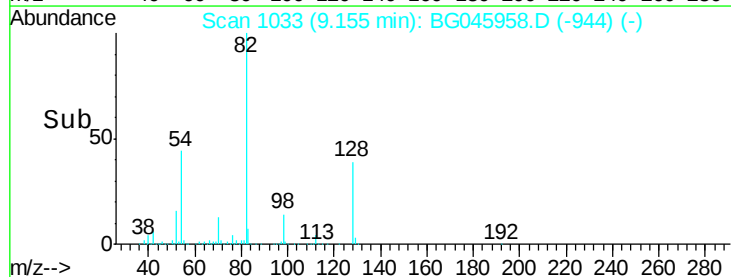
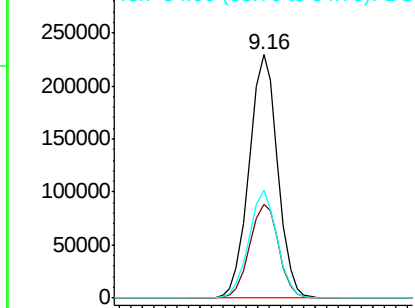


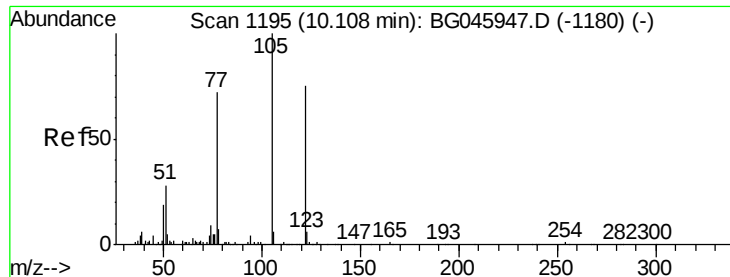
#23
Nitrobenzene-d5
Concen: 47.693 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

Tgt Ion: 82	Resp: 395856
Ion Ratio	Lower Upper
82 100	
128 38.7	32.2 48.4
54 44.2	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

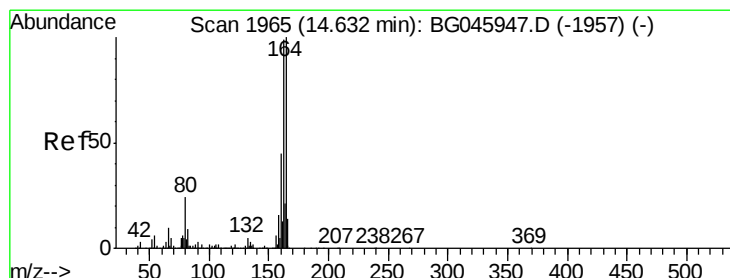
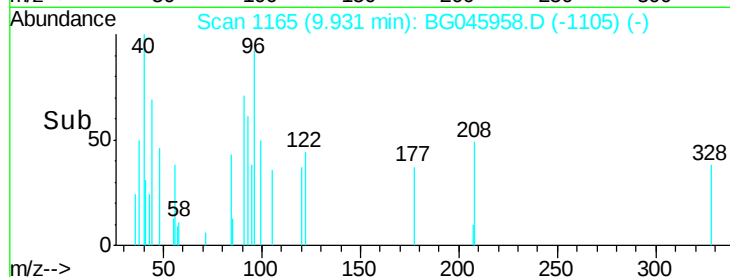
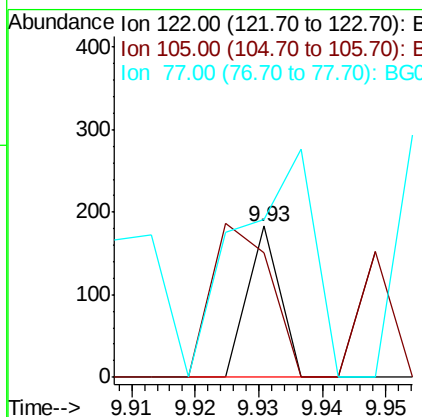
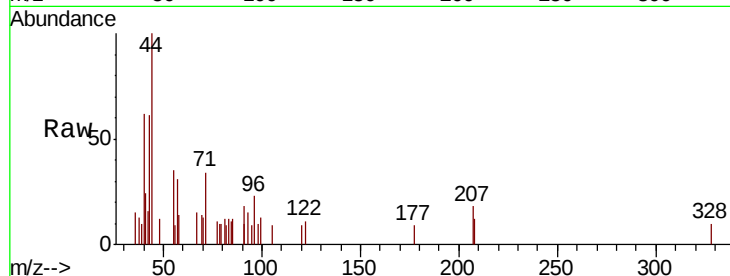




#32
Benzoic acid
Concen: 6.519 ng
RT: 9.93 min Scan# 1165
Delta R.T. -0.18 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

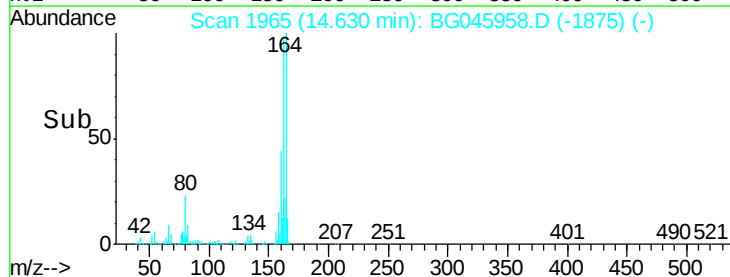
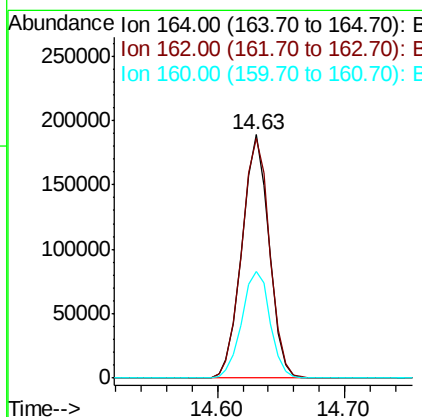
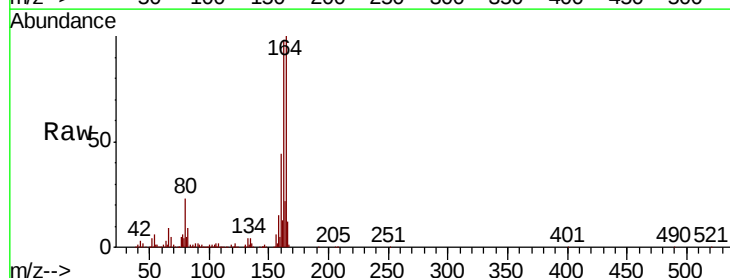
Instrument :
BNA_G
ClientSampled :
SP5185

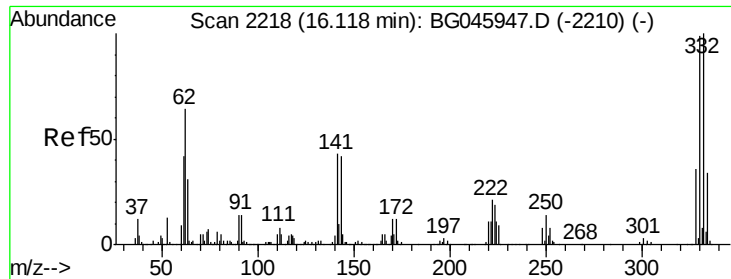
Tot Ion	Ratio	Lower	Upper
122	100		
105	82.5	110.8	150.8#
77	104.4	76.4	116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	79.3	118.9
160	43.7	35.7	53.5

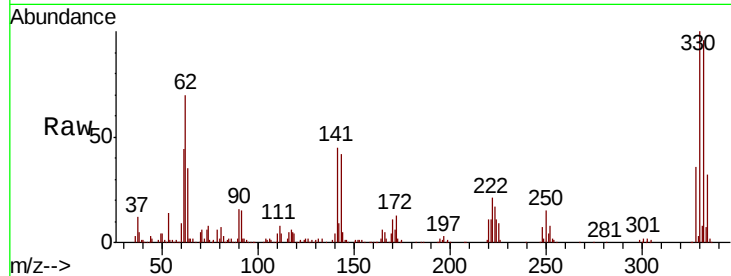




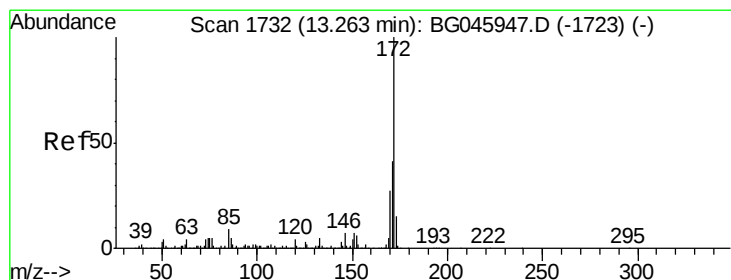
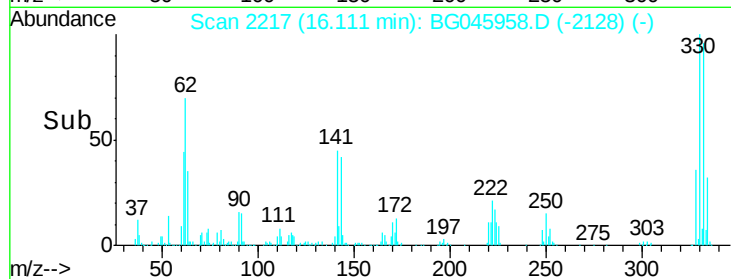
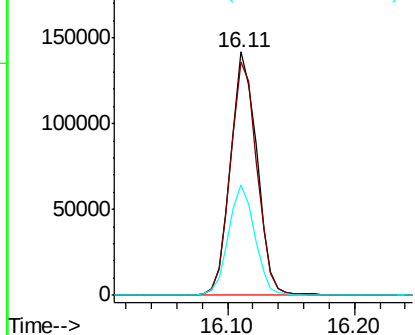
#42
 2,4,6-Tribromophenol
 Concen: 78.271 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG045958.D
 Acq: 7 Jul 2020 13:19

Instrument :
 BNA_G
 ClientSampleId :
 SP5185

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.3	117.5
141	45.4	36.6	54.8

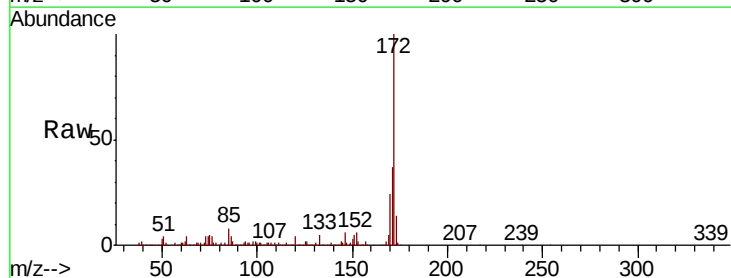


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

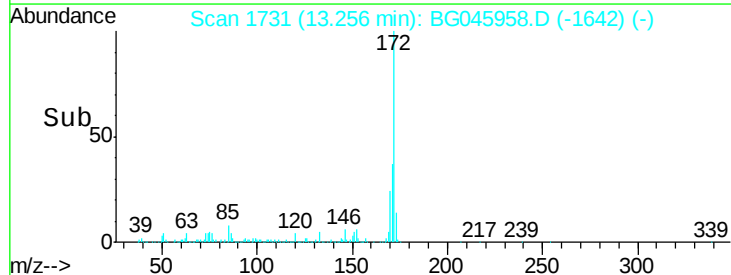
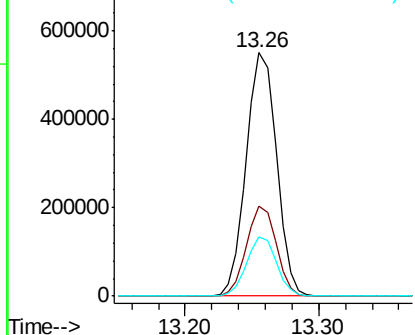


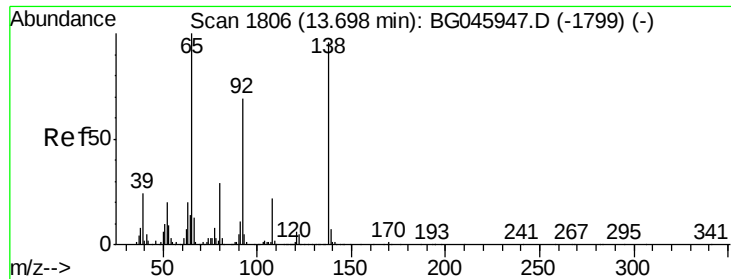
#45
 2-Fluorobiphenyl
 Concen: 48.014 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG045958.D
 Acq: 7 Jul 2020 13:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	32.9	49.3
170	24.2	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

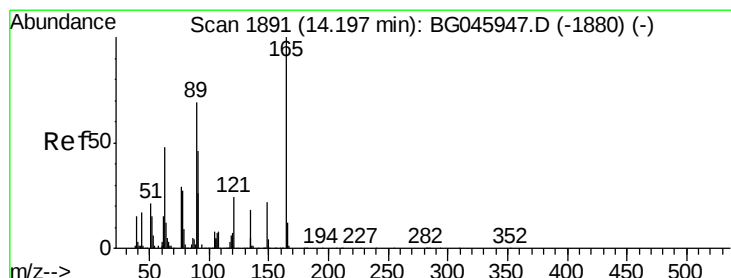
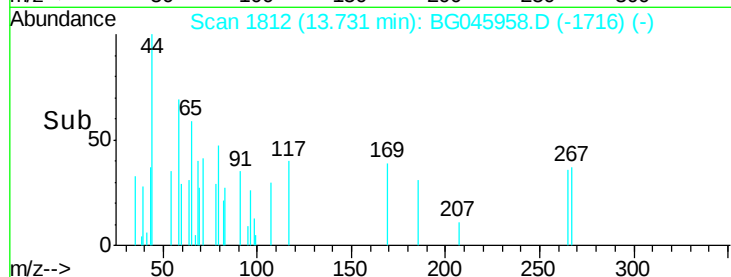
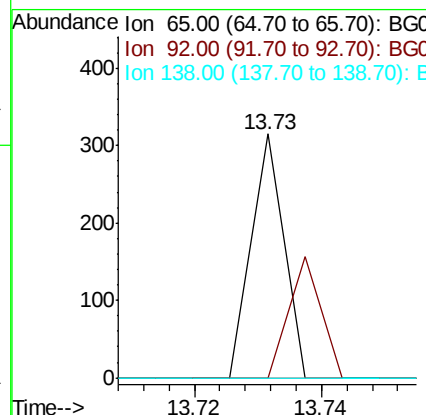
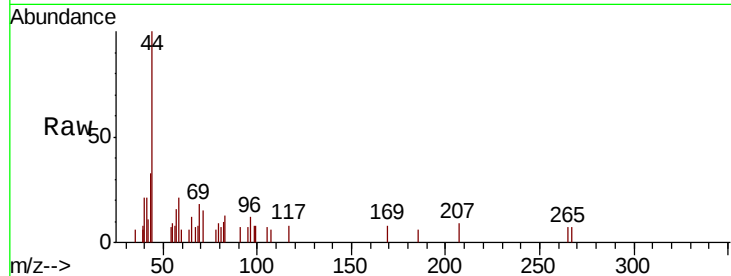




#48
2-Nitroaniline
Concen: 3.392 ng
RT: 13.73 min Scan# 1812
Delta R.T. 0.03 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

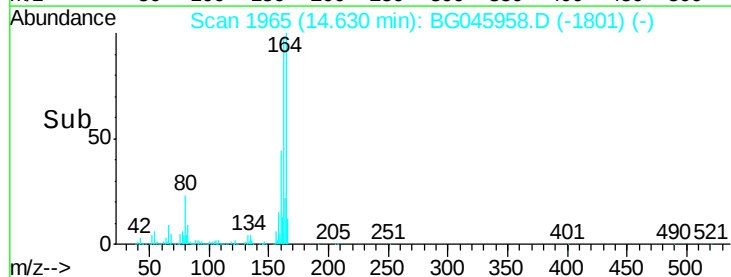
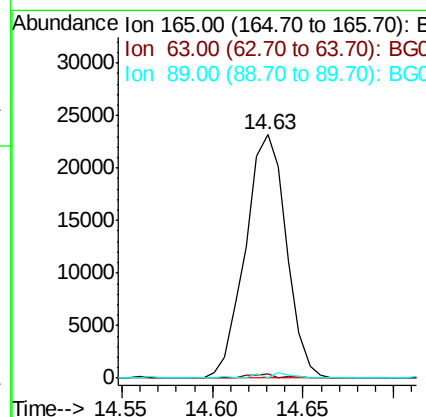
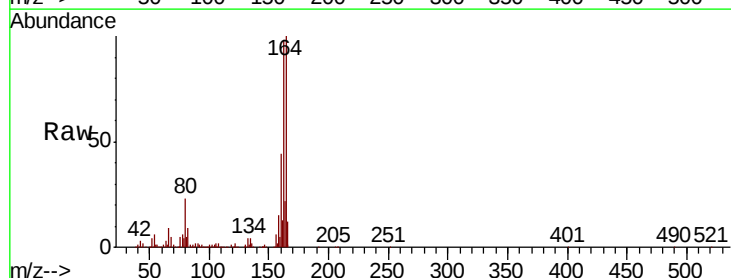
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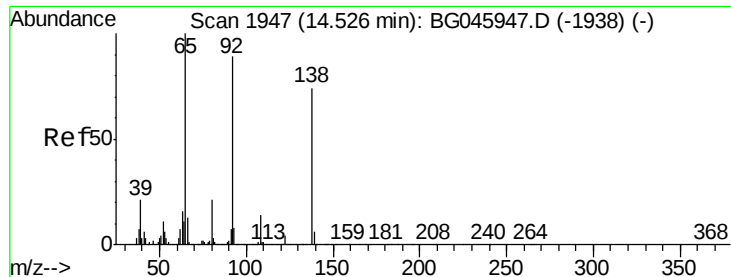
Tot Ion: 65 Resp: 111
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.345 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.43 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

Tgt Ion: 165 Resp: 36488
Ion Ratio Lower Upper
165 100
63 1.8 51.0 76.4#
89 0.0 55.7 83.5#





#53

3-Nitroaniline

Concen: 2.997 ng

RT: 14.45 min Scan# 1935

Delta R.T. -0.07 min

Lab File: BG045958.D

Acq: 7 Jul 2020 13:19

Instrument :

BNA_G

ClientSampleId :

SP5185

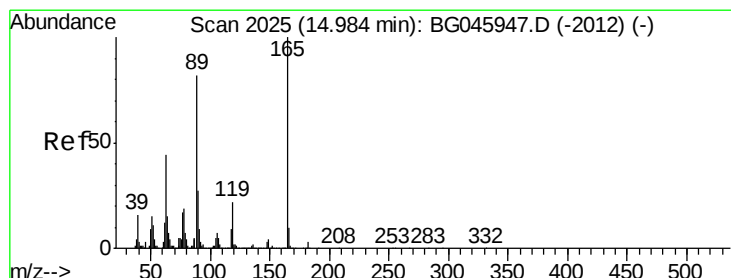
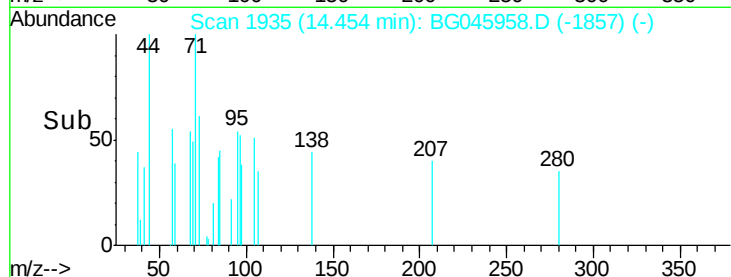
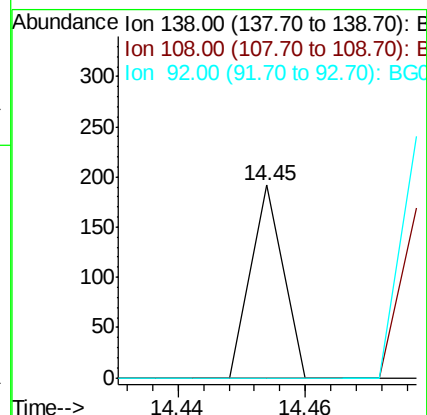
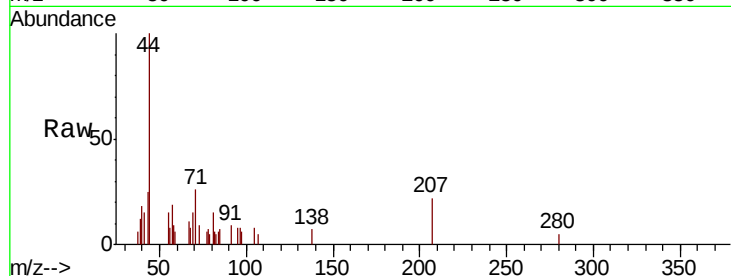
Tot Ion:138 Resp: 68

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

92 0.0 95.9 143.9#



#57

2,4-Dinitrotoluene

Concen: 10.902 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.35 min

Lab File: BG045958.D

Acq: 7 Jul 2020 13:19

Tgt Ion:165 Resp: 36488

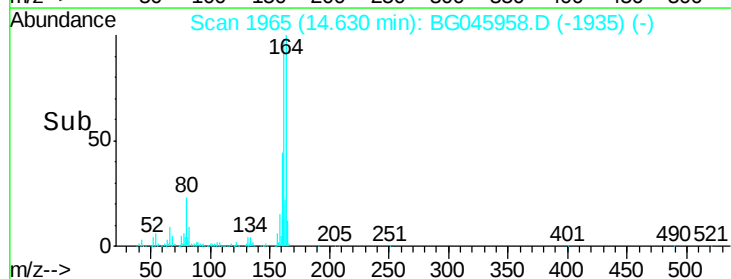
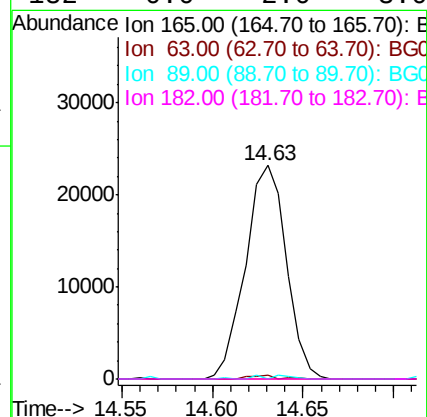
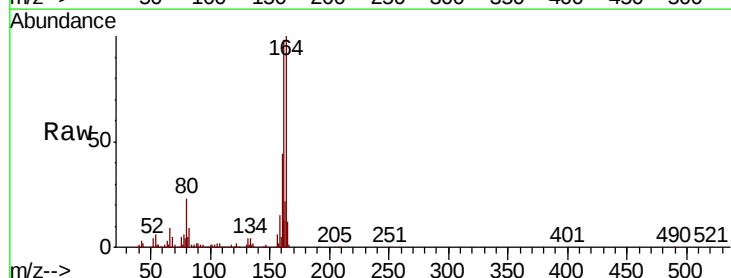
Ion Ratio Lower Upper

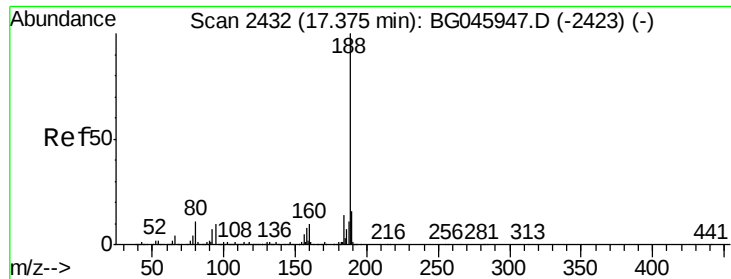
165 100

63 1.8 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# 2432

Delta R.T. -0.00 min

Lab File: BG045958.D

Acq: 7 Jul 2020 13:19

Instrument :

BNA_G

ClientSampleId :

SP5185

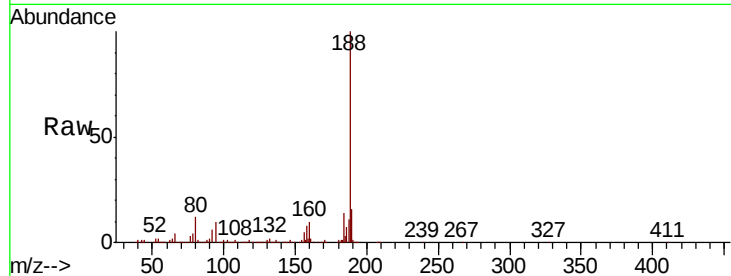
Tot Ion:188 Resp: 592063

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.4

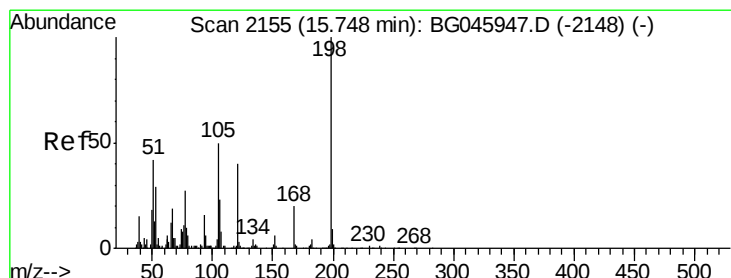
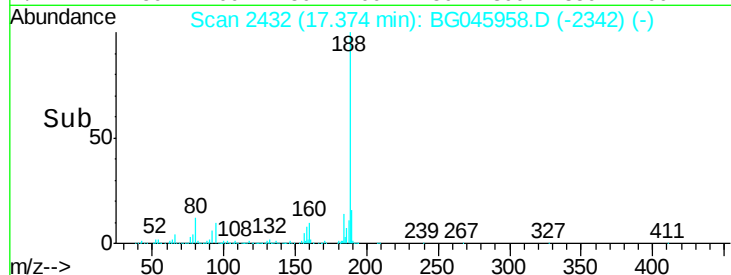
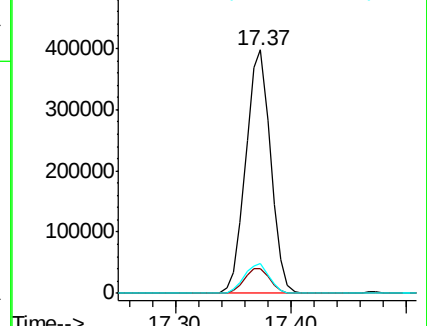
80 12.1 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 6.815 ng

RT: 15.68 min Scan# 2143

Delta R.T. -0.07 min

Lab File: BG045958.D

Acq: 7 Jul 2020 13:19

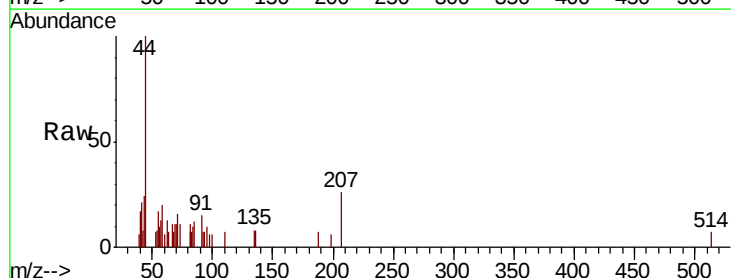
Tgt Ion:198 Resp: 58

Ion Ratio Lower Upper

198 100

51 0.0 24.5 64.5#

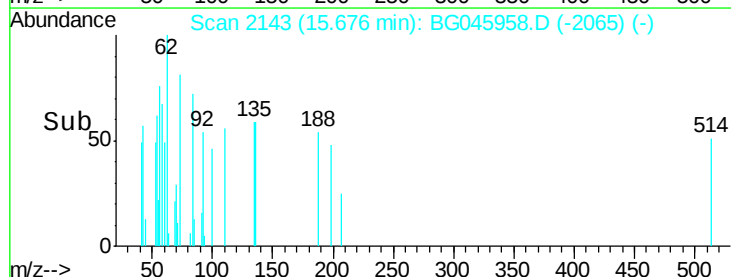
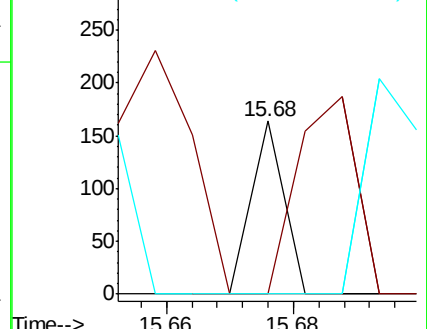
105 0.0 30.9 70.9#

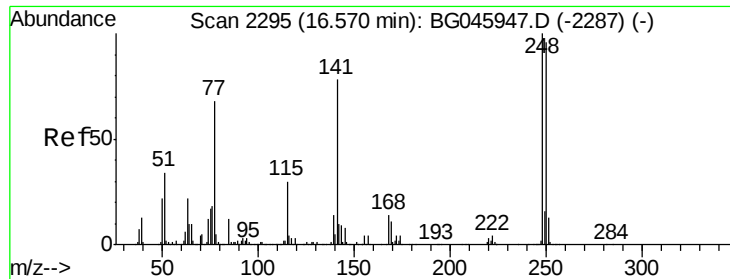


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

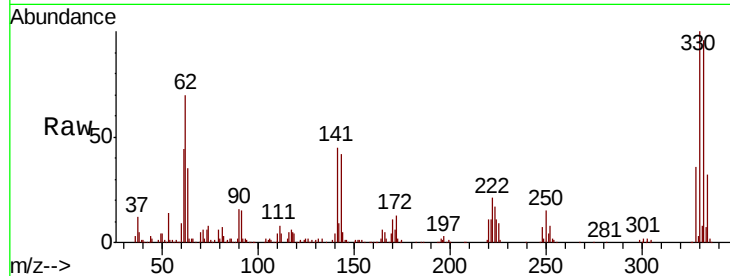




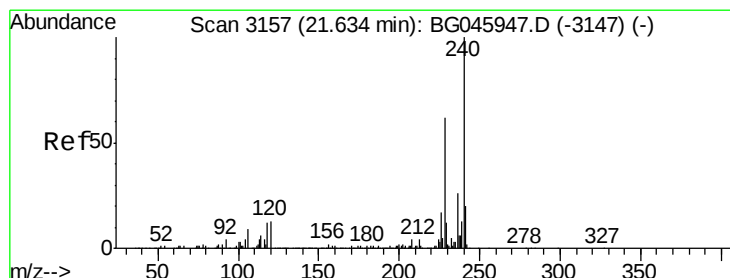
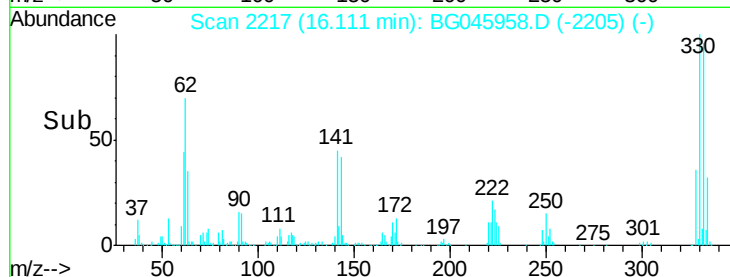
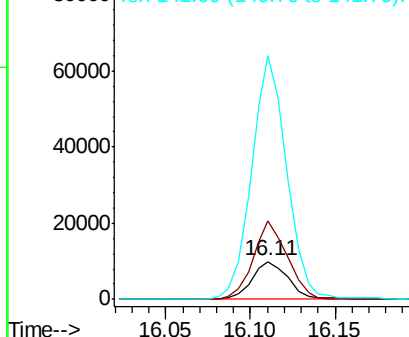
#67
4-Bromophenyl-phenylether
Concen: 2.193 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.46 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

Instrument :
BNA_G
ClientSampleId :
SP5185

Tot Ion:248 Resp: 14499
Ion Ratio Lower Upper
248 100
250 208.4 76.6 114.8#
141 644.1 62.7 94.1#

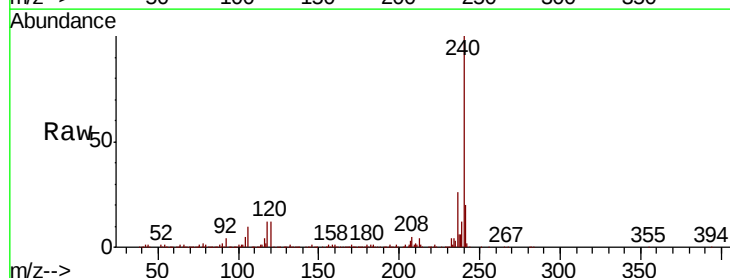


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

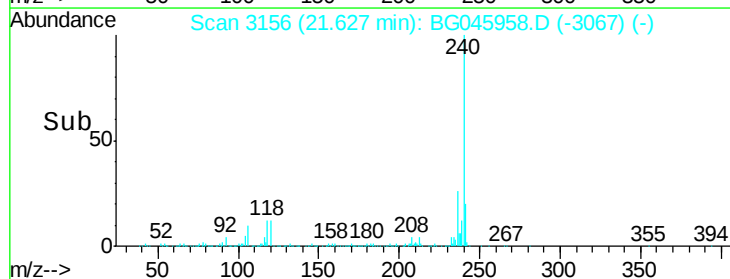
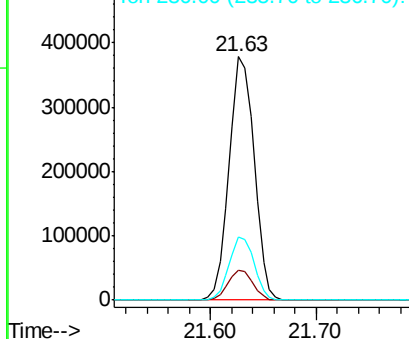


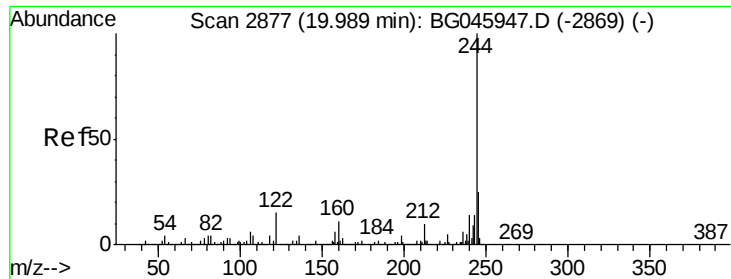
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG045958.D
Acq: 7 Jul 2020 13:19

Tgt Ion:240 Resp: 620218
Ion Ratio Lower Upper
240 100
120 12.3 10.6 16.0
236 25.7 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





#79

Terphenyl-d14

Concen: 42.331 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045958.D

Acq: 7 Jul 2020 13:19

Instrument :

BNA_G

ClientSampleId :

SP5185

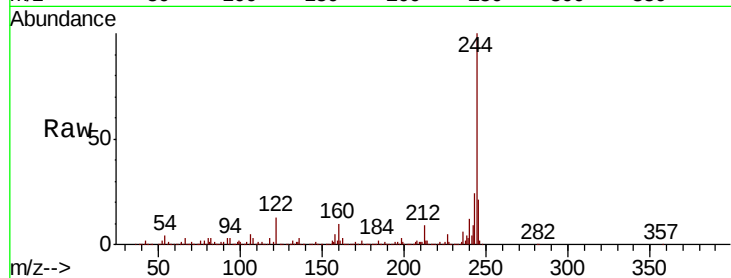
Tot Ion:244 Resp: 1179711

Ion Ratio Lower Upper

244 100

212 8.5 8.3 12.5

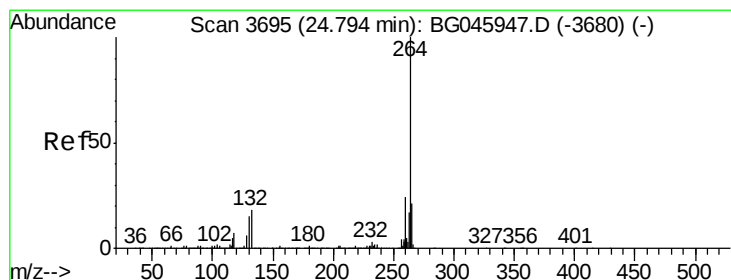
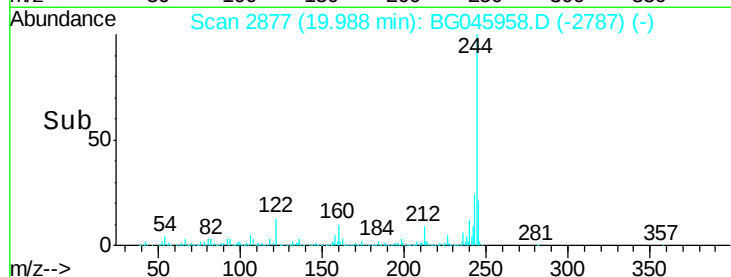
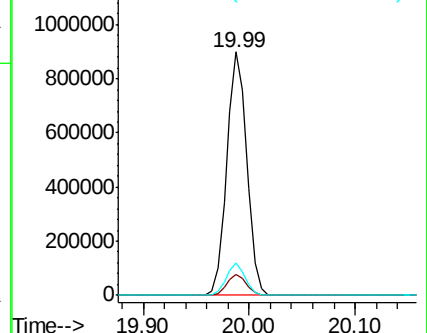
122 13.1 12.1 18.1



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: 24.79 min Scan# 3694

Delta R.T. -0.01 min

Lab File: BG045958.D

Acq: 7 Jul 2020 13:19

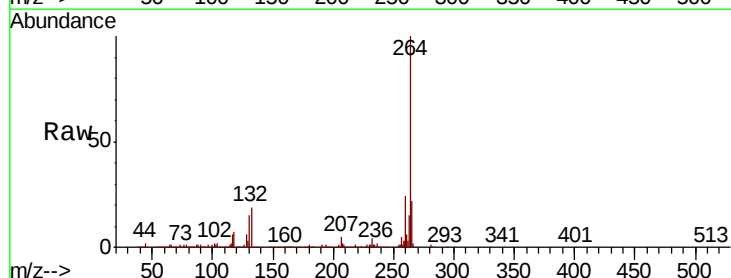
Tgt Ion:264 Resp: 619765

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.7 16.9 25.3



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

