

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111519\
 Data File : BG043668.D
 Acq On : 16 Nov 2019 2:22
 Operator : JU
 Sample : K5828-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GE-MW-57A-2

Quant Time: Nov 16 05:27:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

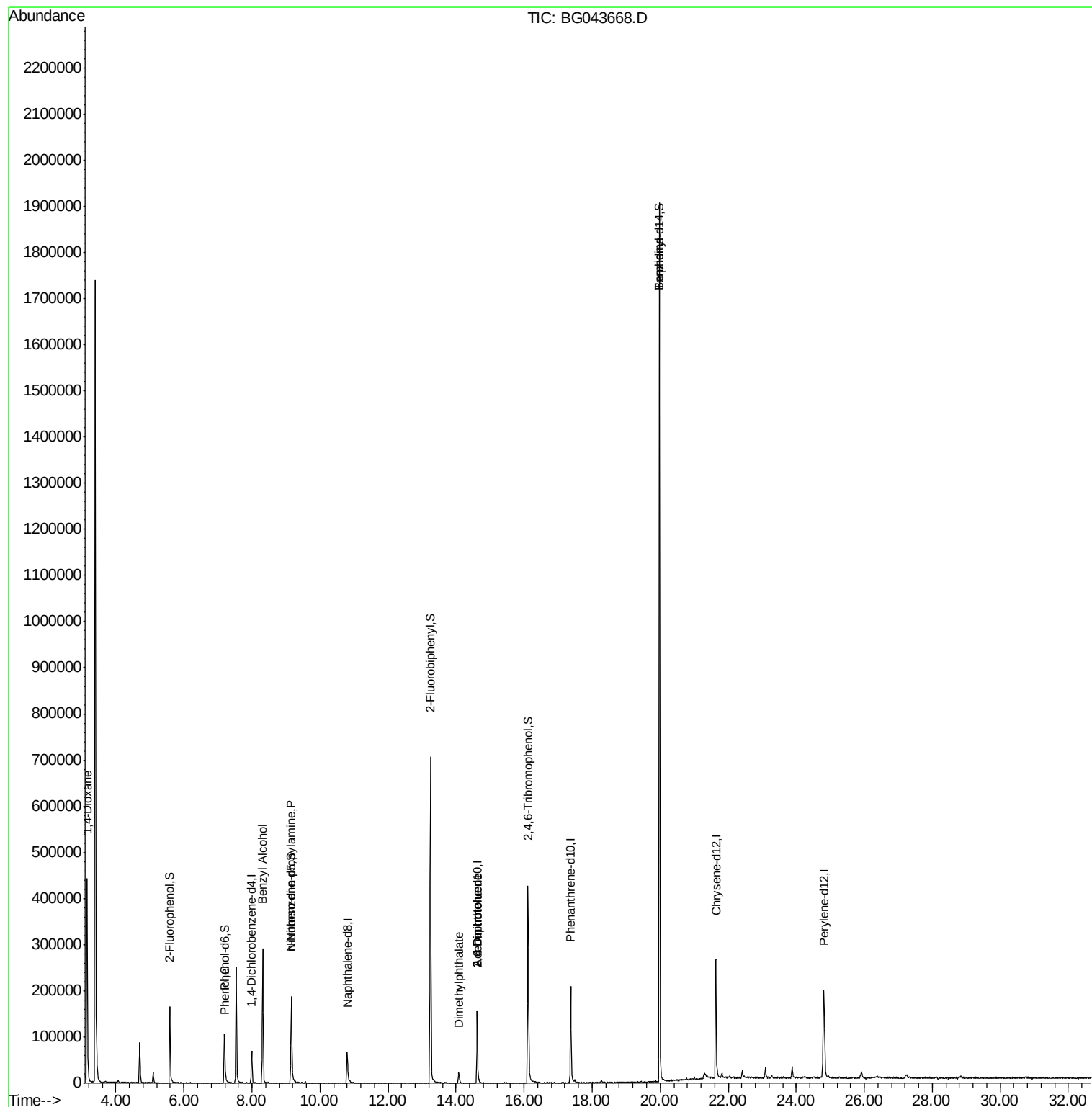
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	20621	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	78293	20.00	ng	-0.01
39) Acenaphthene-d10	14.62	164	63719	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	168885	20.00	ng	-0.02
76) Chrysene-d12	21.63	240	188591	20.00	ng	-0.03
87) Perylene-d12	24.82	264	221270	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	76419	67.91	ng	0.00
7) Phenol-d6	7.19	99	71828	44.36	ng	0.00
23) Nitrobenzene-d5	9.16	82	140624	92.60	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	112120	92.46	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	422234	91.57	ng	-0.02
79) Terphenyl-d14	19.98	244	965980	96.09	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.15	88	4876	11.119	ng	Qvalue # 1
10) Phenol	7.21	94	7872	5.321	ng	# 90
15) Benzyl Alcohol	8.32	79	2506	2.204	ng	# 37
19) n-Nitroso-di-n-propylamine	9.16	70	18418	17.604	ng	# 74
50) Dimethylphthalate	14.08	163	24444	4.953	ng	# 99
51) 2,6-Dinitrotoluene	14.62	165	8628	8.047	ng	# 22
57) 2,4-Dinitrotoluene	14.62	165	8628	5.631	ng	# 25
77) Benzidine	19.98	184	14619	3.852	ng	# 83

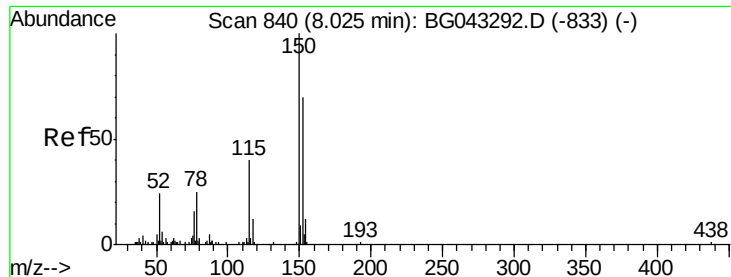
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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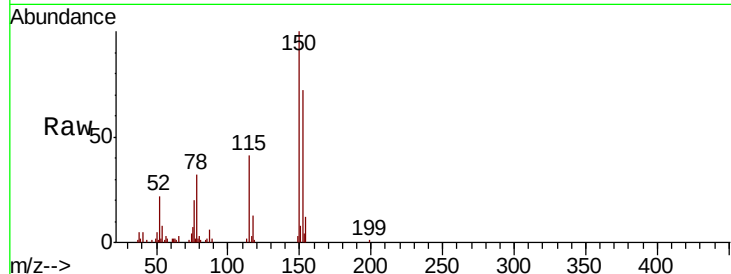


#1

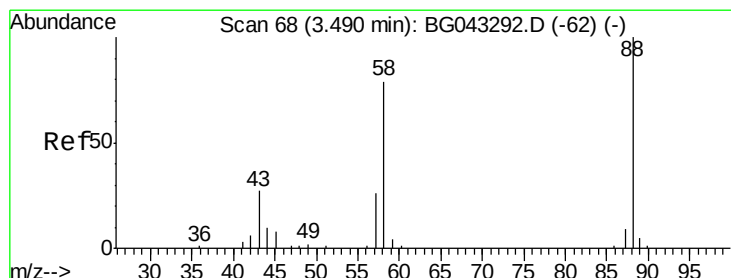
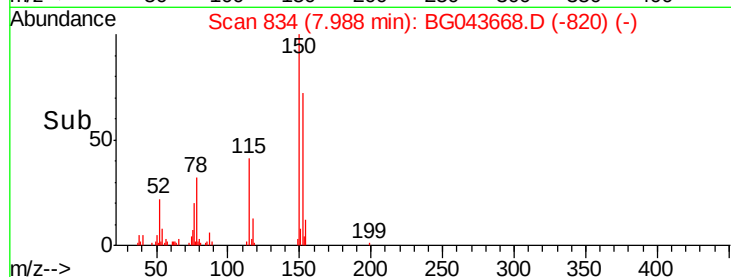
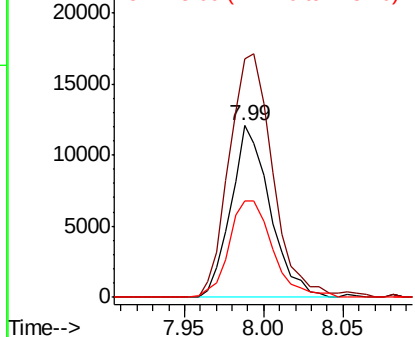
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.02 min
Lab File: BG043668.D
Acq: 16 Nov 2019 2:22

Instrument :
BNA_G
ClientSampleId :
GE-MW-57A-2

Tot Ion:152 Resp: 20621
Ion Ratio Lower Upper
152 100
150 139.0 129.4 194.0
115 56.4 48.8 73.2



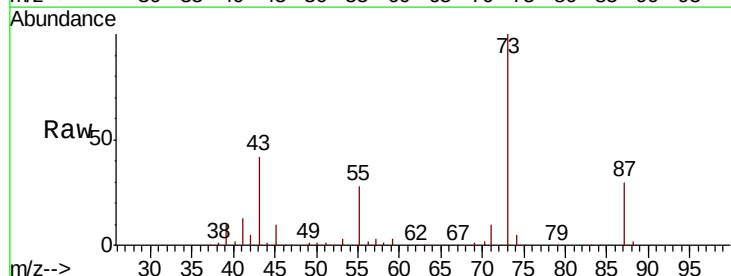
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



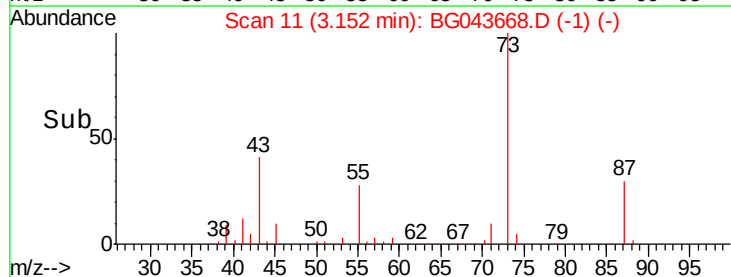
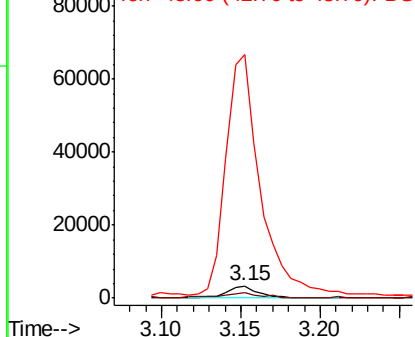
#2

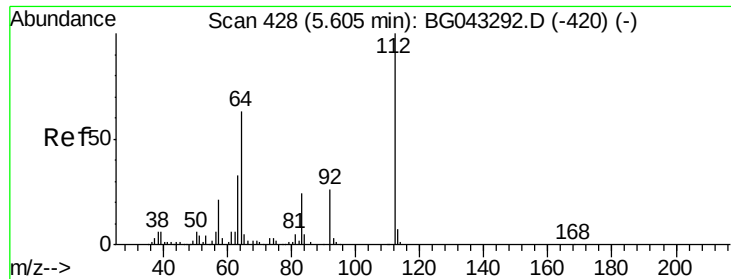
1,4-Dioxane
Concen: 11.119 ng
RT: 3.15 min Scan# 11
Delta R.T. -0.32 min
Lab File: BG043668.D
Acq: 16 Nov 2019 2:22

Tgt Ion: 88 Resp: 4876
Ion Ratio Lower Upper
88 100
58 43.6 62.7 94.1#
43 2039.0 23.7 35.5#



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





#5

2-Fluorophenol

Concen: 67.908 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.01 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

Instrument :

BNA_G

ClientSampleId :

GE-MW-57A-2

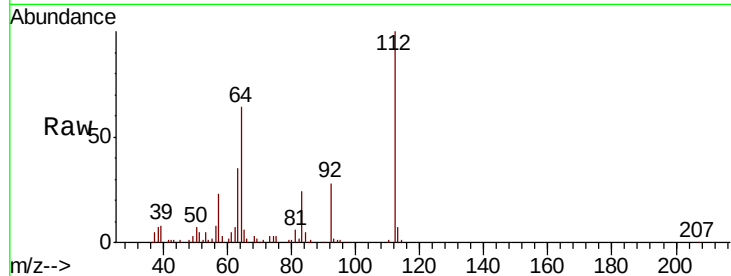
Tot Ion:112 Resp: 76419

Ion Ratio Lower Upper

112 100

64 63.9 50.0 75.0

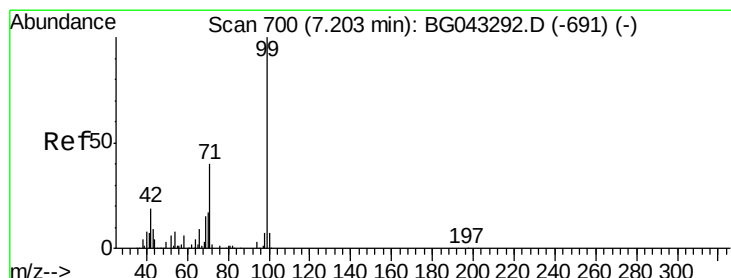
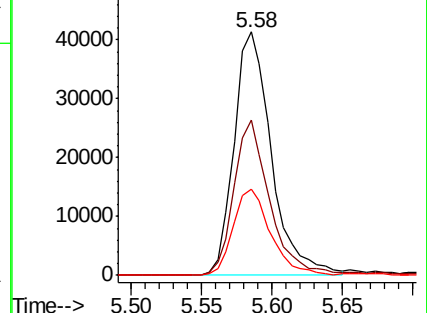
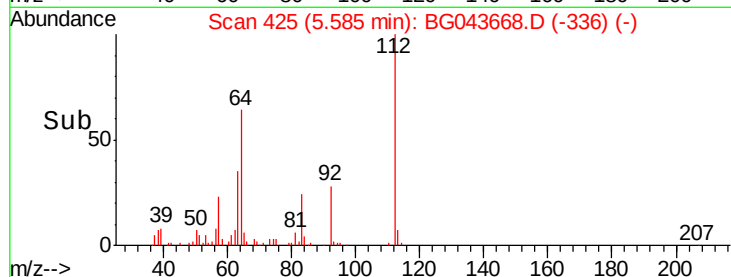
63 35.4 26.6 40.0



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



#7

Phenol-d6

Concen: 44.364 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

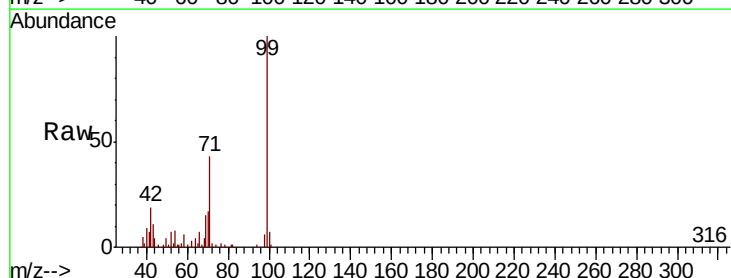
Tgt Ion: 99 Resp: 71828

Ion Ratio Lower Upper

99 100

42 19.4 14.6 21.8

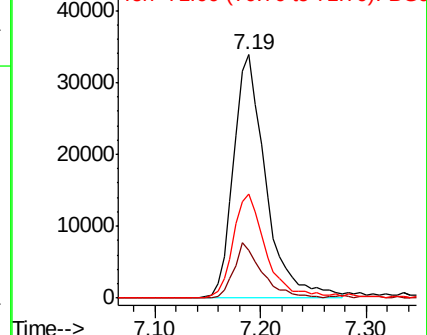
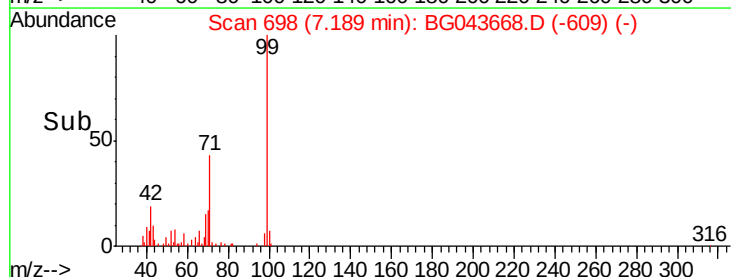
71 42.5 32.5 48.7

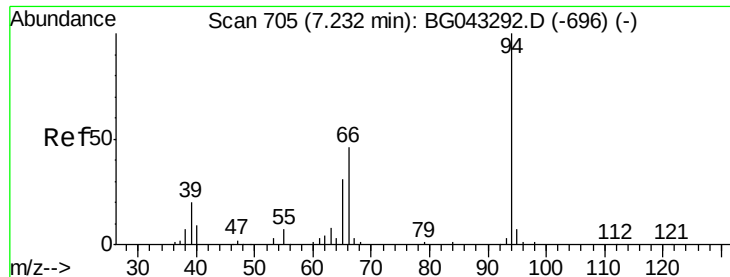


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 5.321 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

Instrument :

BNA_G

ClientSampleId :

GE-MW-57A-2

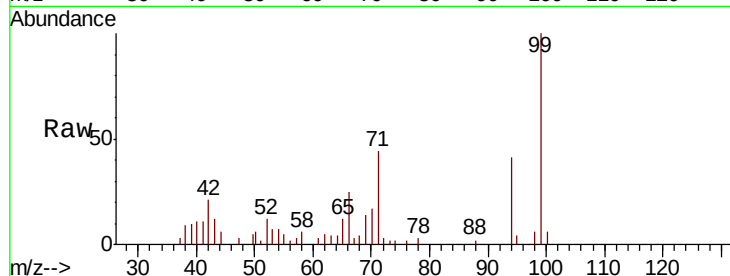
Tot Ion: 94 Resp: 7872

Ion Ratio Lower Upper

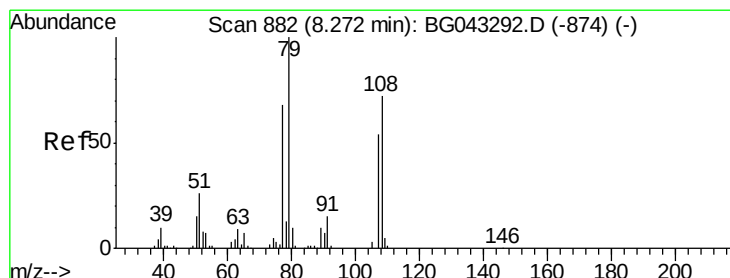
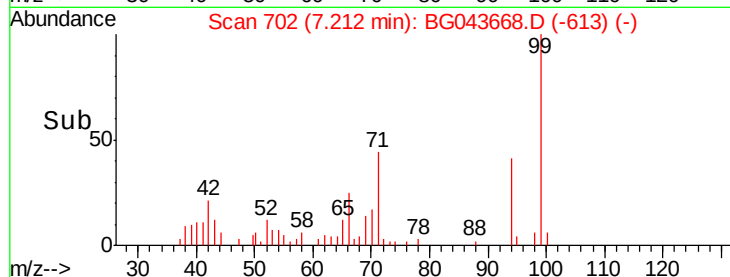
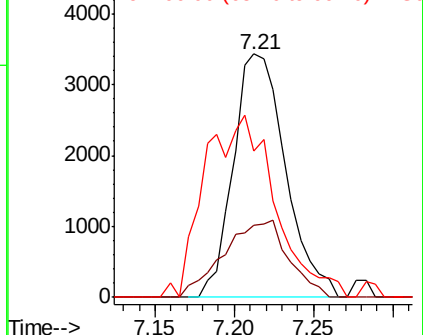
94 100

65 29.6 12.6 52.6

66 60.1 30.7 70.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#15

Benzyl Alcohol

Concen: 2.204 ng

RT: 8.32 min Scan# 891

Delta R.T. 0.07 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

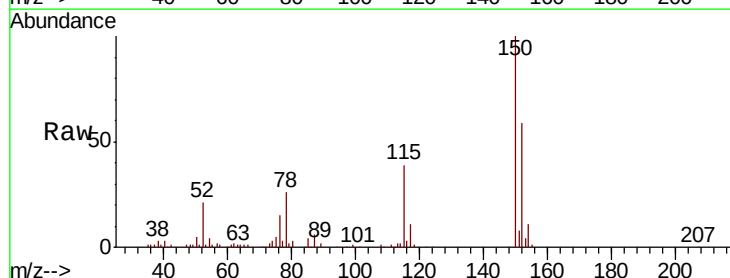
Tgt Ion: 79 Resp: 2506

Ion Ratio Lower Upper

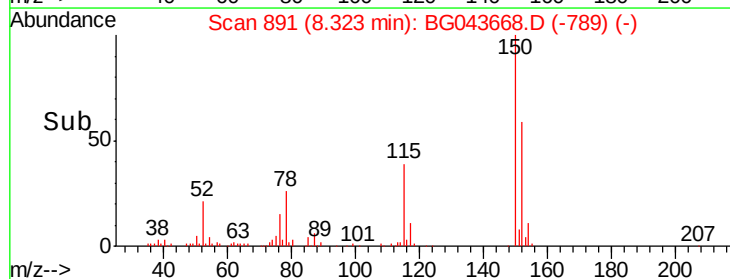
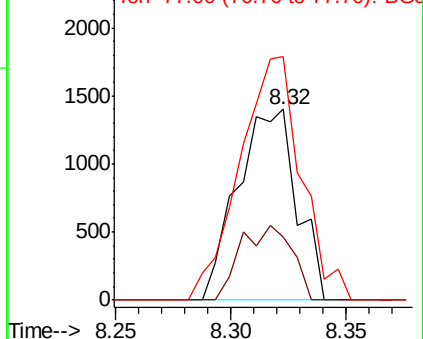
79 100

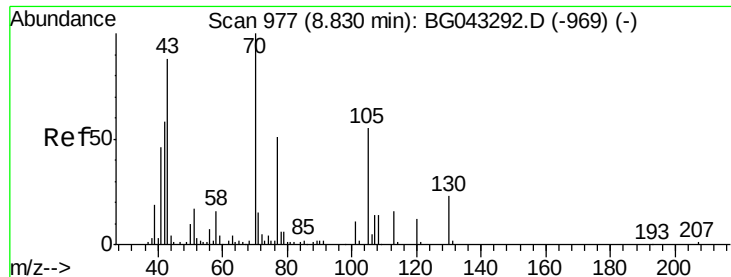
108 32.9 53.6 80.4#

77 127.6 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.604 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

Instrument :

BNA_G

ClientSampled :

GE-MW-57A-2

Tot Ion: 70 Resp: 18418

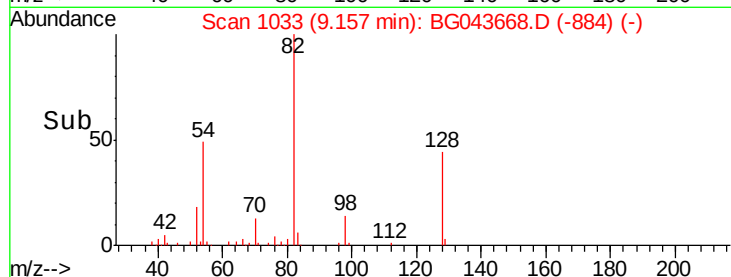
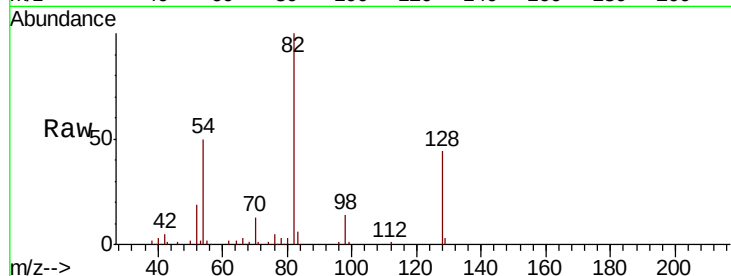
Ion Ratio Lower Upper

70 100

42 40.4 41.4 62.2#

101 0.0 7.9 11.9#

130 0.0 19.0 28.4#

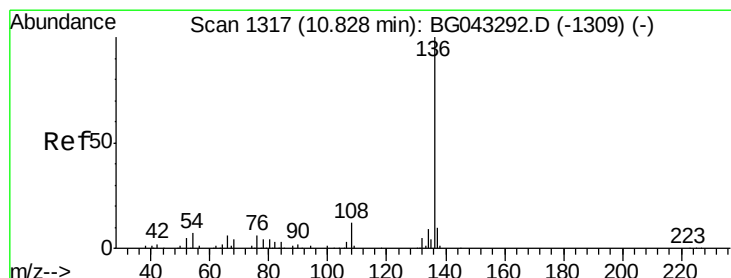
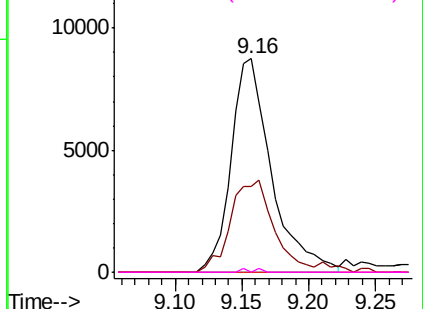


Abundance Ion 70.00 (69.70 to 70.70): BGC

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. -0.01 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

Tgt Ion: 136 Resp: 78293

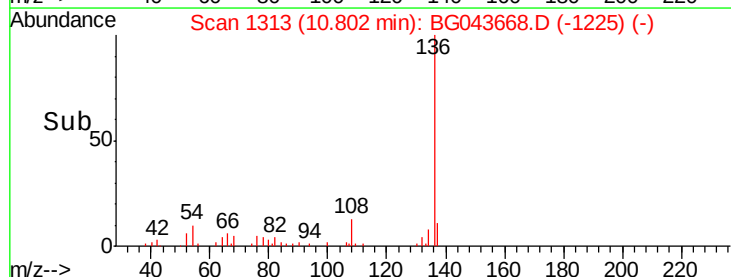
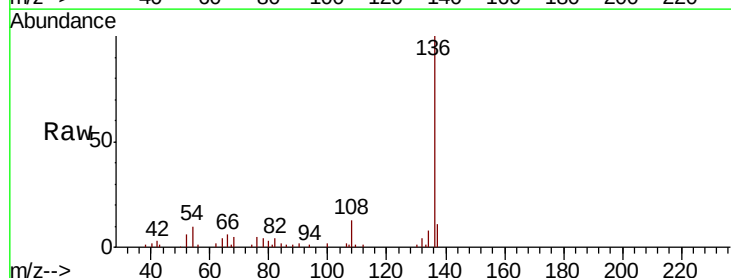
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 10.0 5.4 8.2#

68 4.7 3.0 4.4#

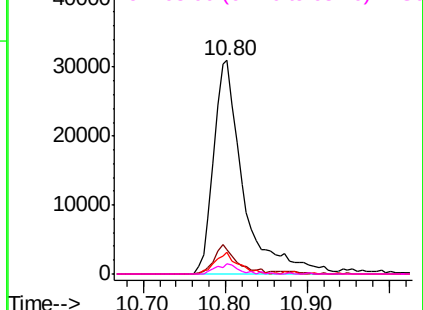


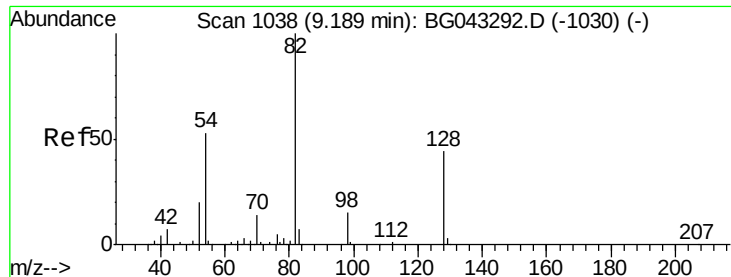
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

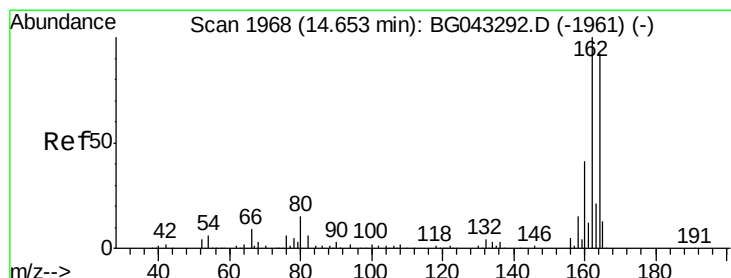
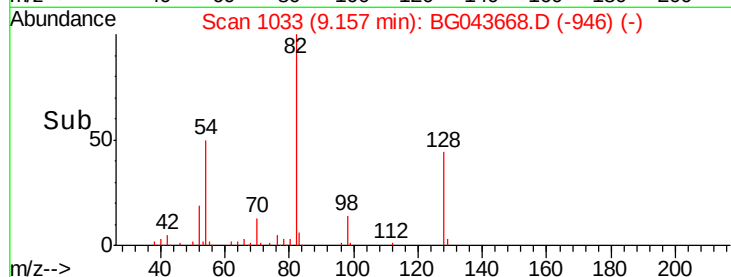
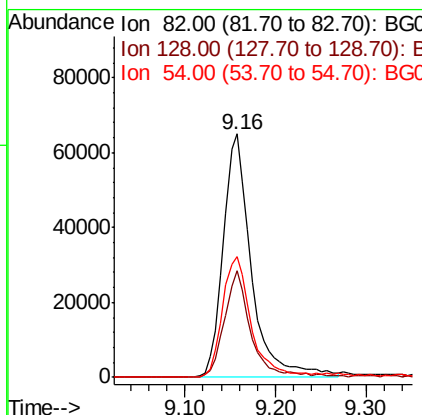
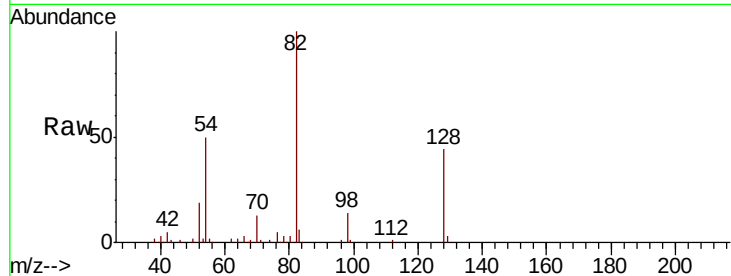




#23
Nitrobenzene-d5
Concen: 92.598 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BG043668.D
Acq: 16 Nov 2019 2:22

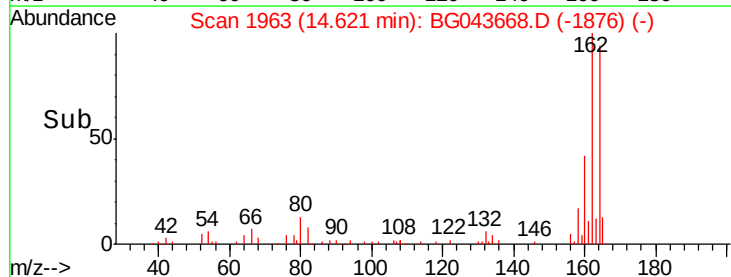
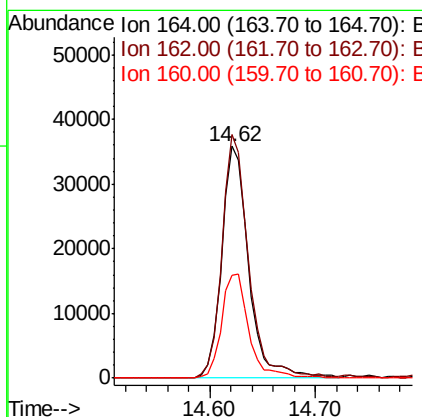
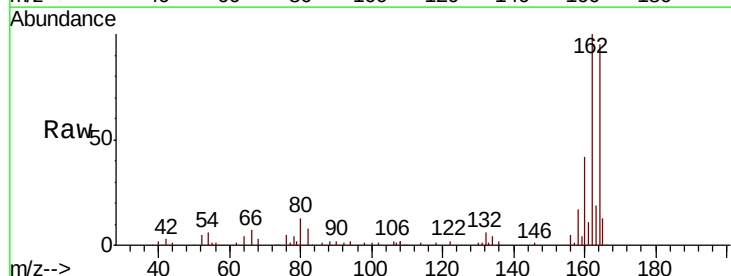
Instrument :
BNA_G
ClientSampleId :
GE-MW-57A-2

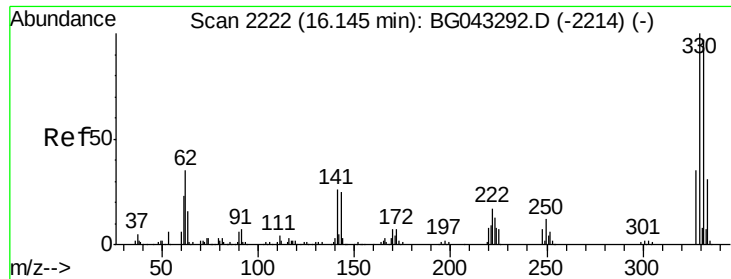
Tot Ion	82	Resp	140624
Ion Ratio	Lower	Upper	
82	100		
128	44.0	35.0	52.6
54	49.6	40.2	60.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BG043668.D
Acq: 16 Nov 2019 2:22

Tgt Ion	164	Resp	63719
Ion Ratio	Lower	Upper	
164	100		
162	105.0	83.5	125.3
160	44.4	36.5	54.7

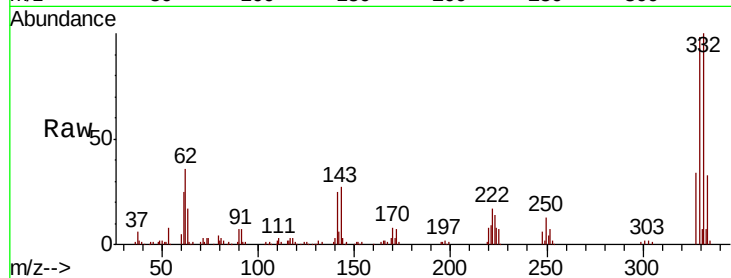




#42
 2,4,6-Tribromophenol
 Concen: 92.464 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG043668.D
 Acq: 16 Nov 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :
 GE-MW-57A-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	29.9	22.8	34.2

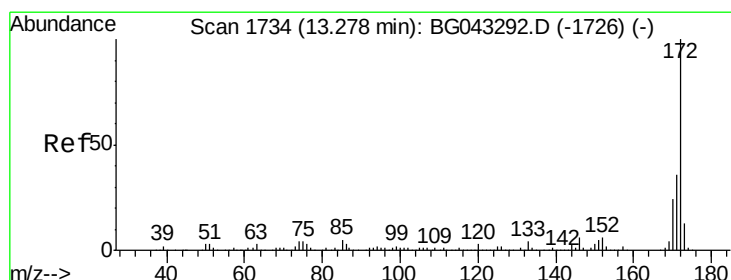
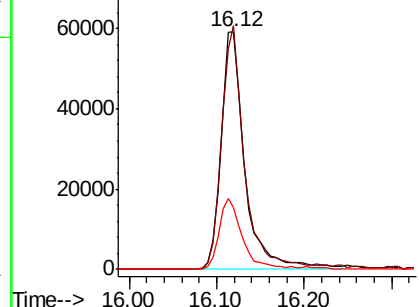
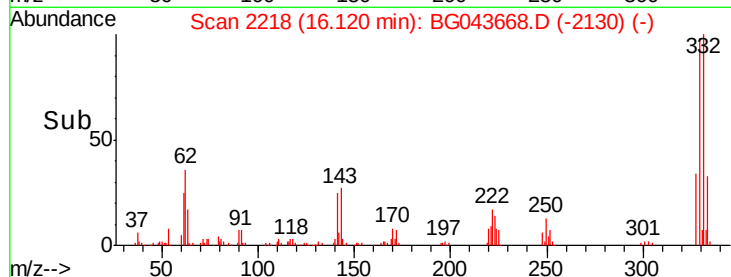


Abundance

Ion 329.80 (329.50 to 330.50): E

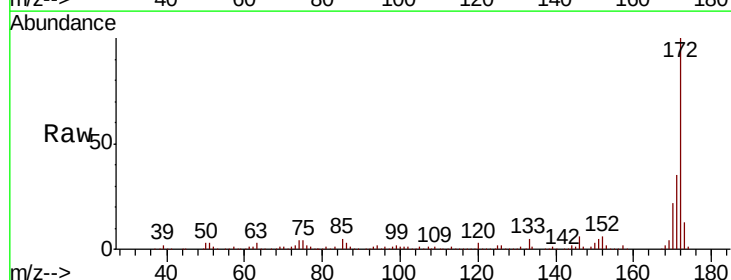
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.565 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG043668.D
 Acq: 16 Nov 2019 2:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.9	43.3
170	21.7	18.5	27.7

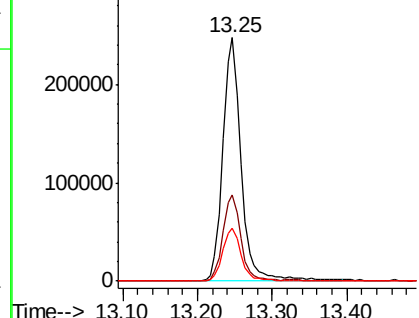
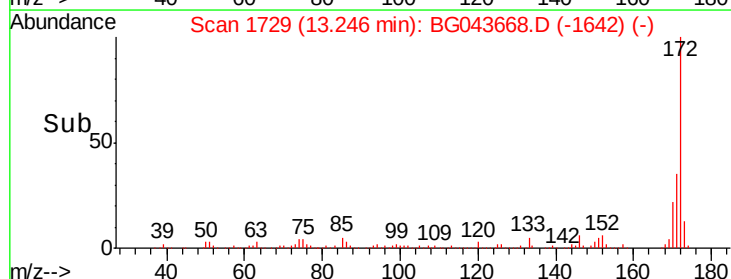


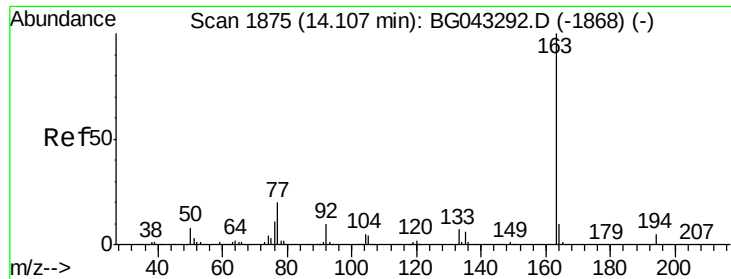
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.953 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

Instrument :

BNA_G

ClientSampleId :

GE-MW-57A-2

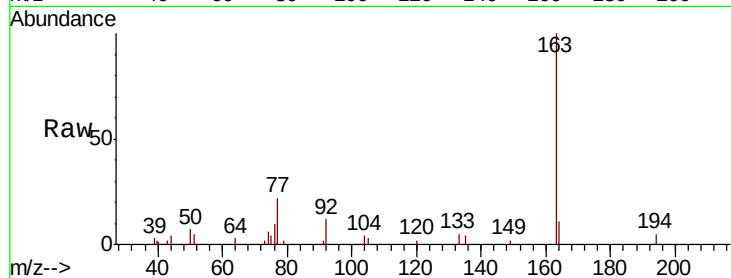
Tot Ion:163 Resp: 24444

Ion Ratio Lower Upper

163 100

194 5.2 3.8 5.6

164 10.9 8.9 13.3

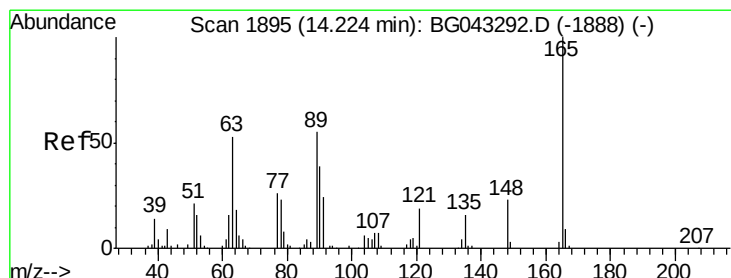
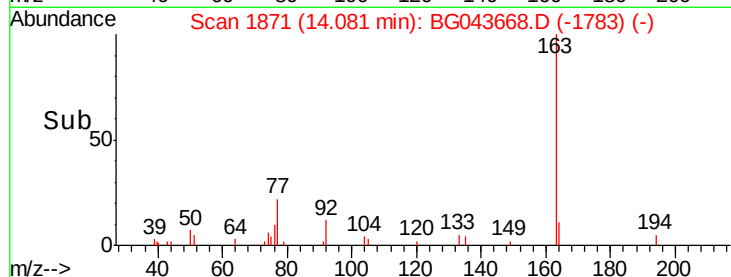
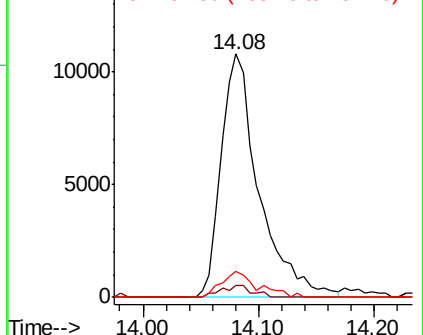


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.047 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.41 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

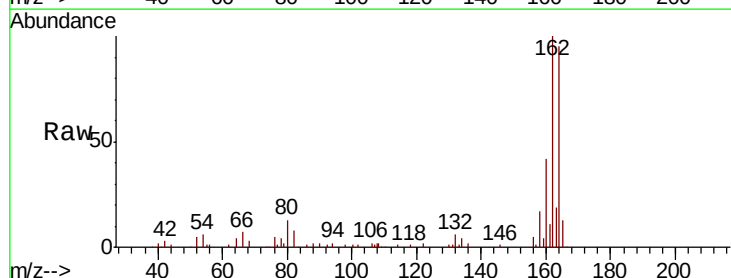
Tgt Ion:165 Resp: 8628

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

89 0.0 45.1 67.7#

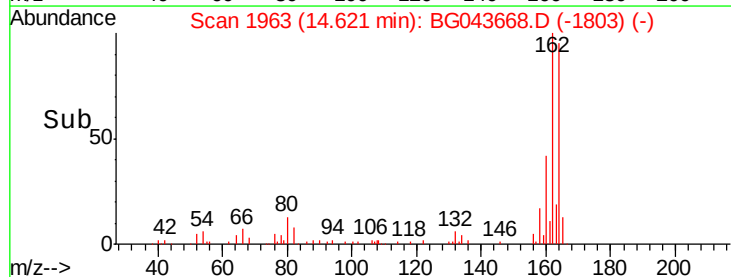
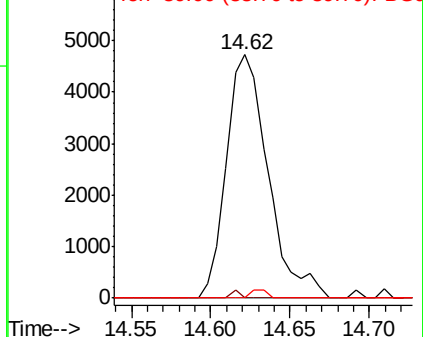


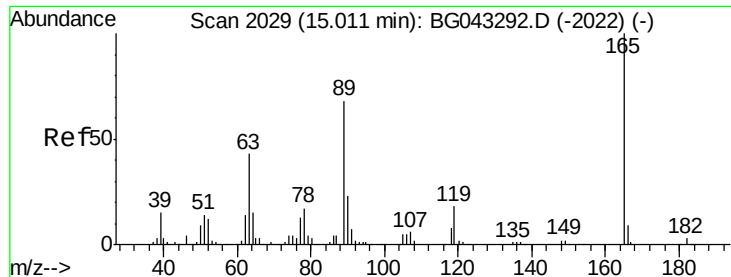
Abundance

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

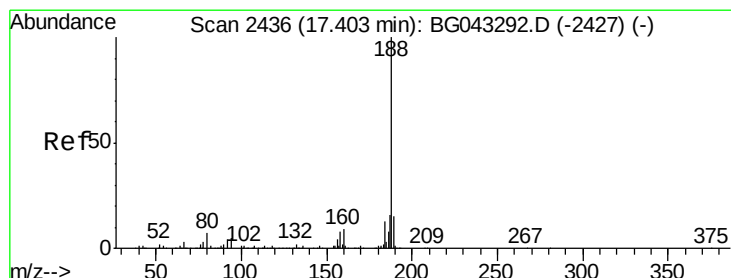
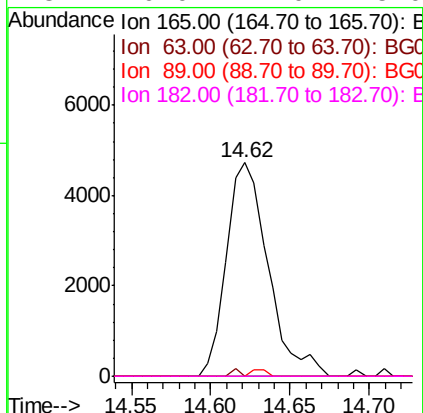
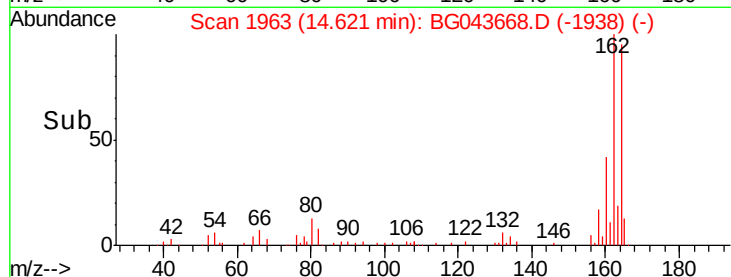
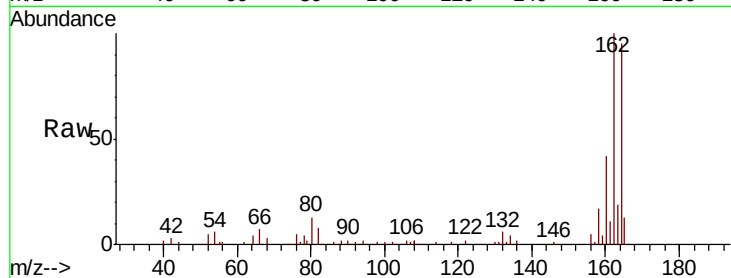




#57
 2,4-Dinitrotoluene
 Concen: 5.631 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.38 min
 Lab File: BG043668.D
 Acq: 16 Nov 2019 2:22

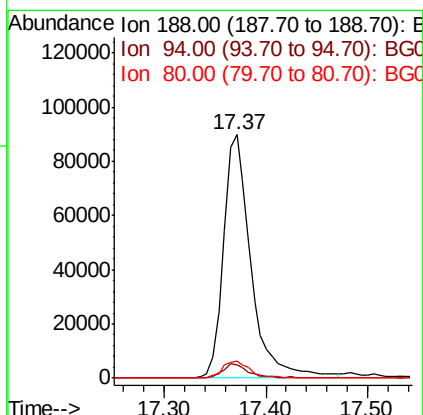
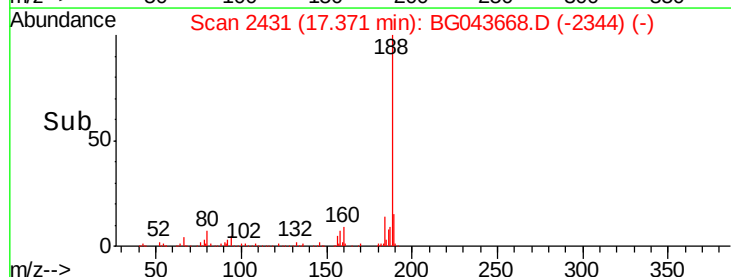
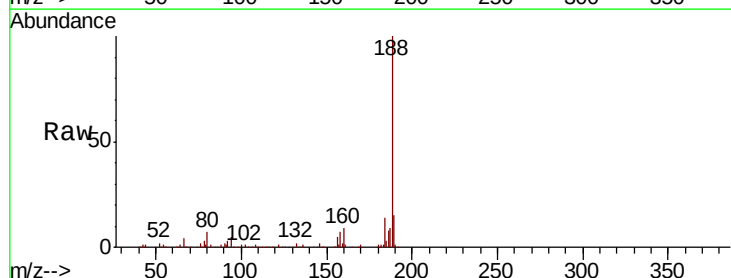
Instrument :
 BNA_G
 ClientSampleId :
 GE-MW-57A-2

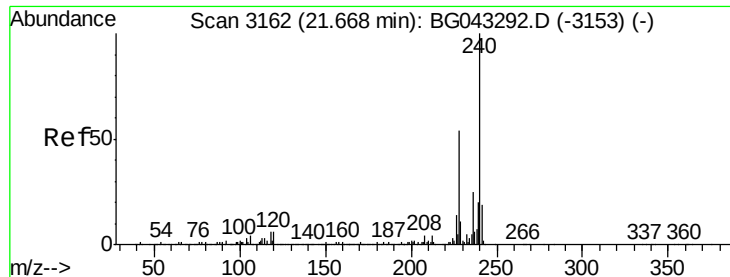
Tot Ion:165	Resp:	8628
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.2 49.8#
89	0.0	52.2 78.4#
182	0.0	2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BG043668.D
 Acq: 16 Nov 2019 2:22

Tgt Ion:188	Resp:	168885
Ion Ratio	Lower	Upper
188	100	
94	5.2	4.2 6.4
80	7.2	4.5 6.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.03 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

Instrument :

BNA_G

ClientSampleId :

GE-MW-57A-2

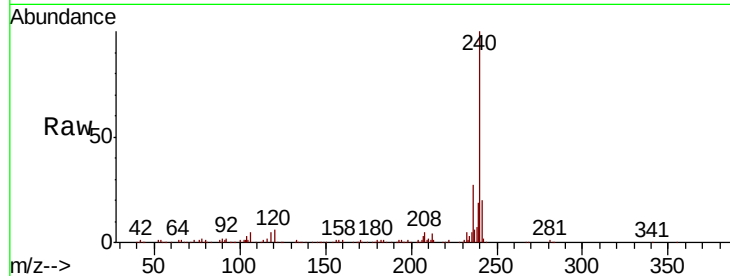
Tot Ion:240 Resp: 188591

Ion Ratio Lower Upper

240 100

120 5.9 4.6 6.8

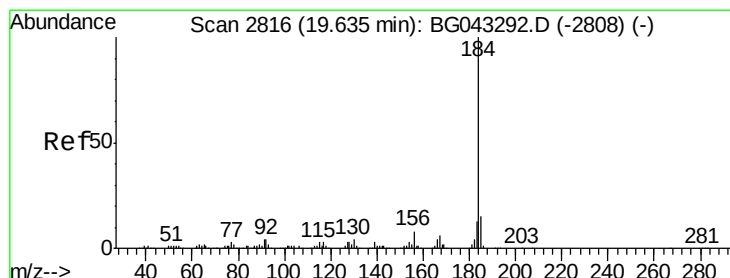
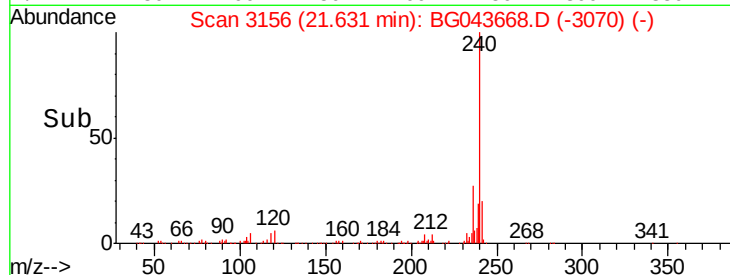
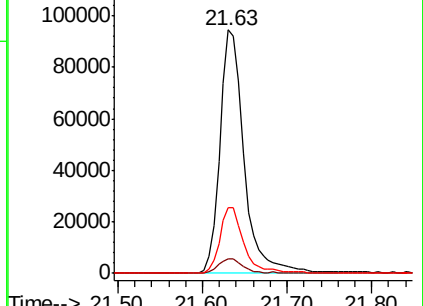
236 27.1 19.8 29.8



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



#77

Benzidine

Concen: 3.852 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.36 min

Lab File: BG043668.D

Acq: 16 Nov 2019 2:22

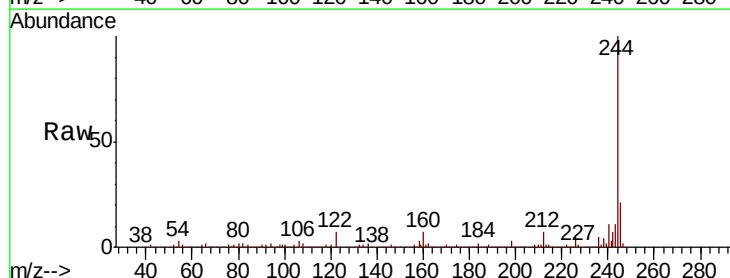
Tgt Ion:184 Resp: 14619

Ion Ratio Lower Upper

184 100

185 25.3 11.0 16.4#

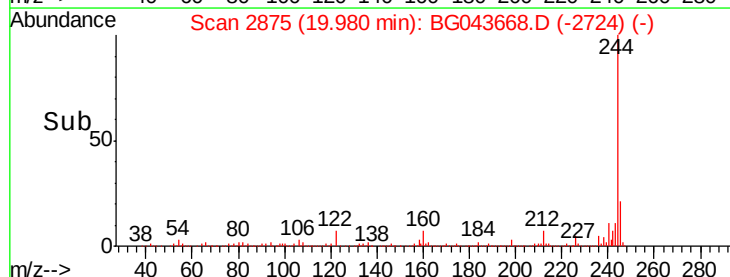
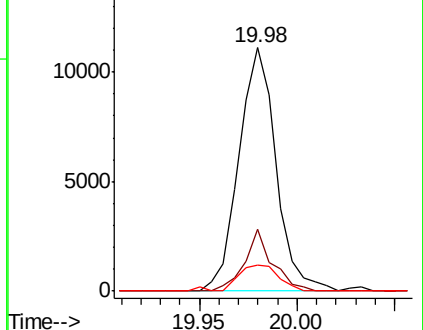
183 10.6 10.0 15.0

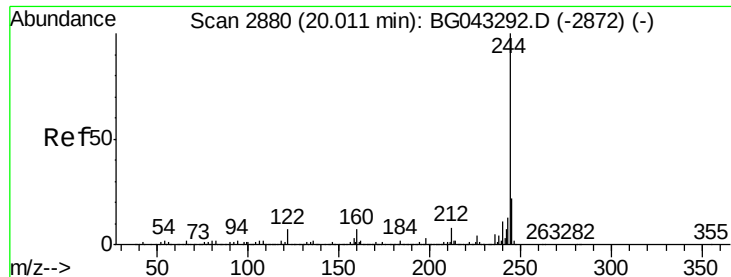


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

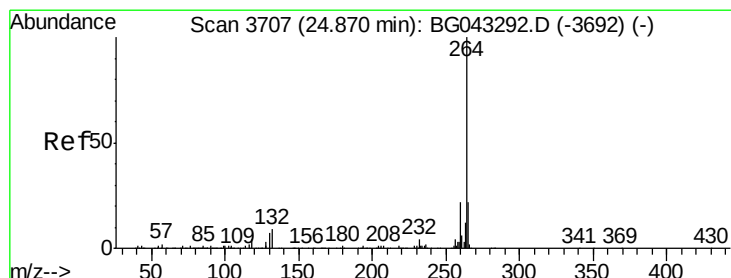
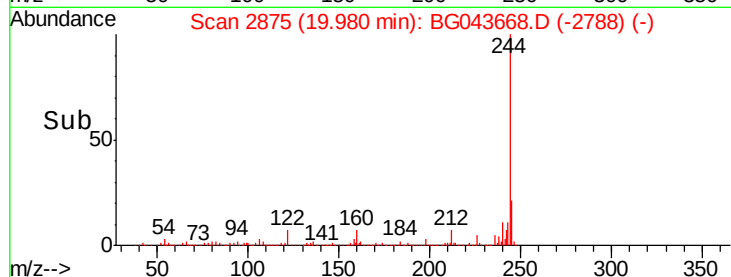
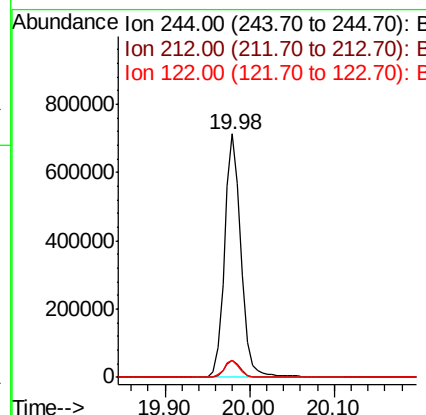
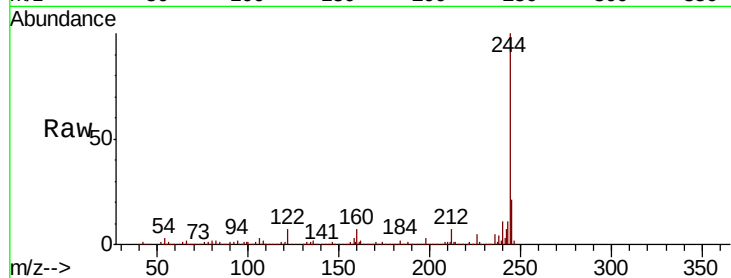




#79
 Terphenyl-d14
 Concen: 96.093 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.02 min
 Lab File: BG043668.D
 Acq: 16 Nov 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :
 GE-MW-57A-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	6.7	5.4	8.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3698
 Delta R.T. -0.04 min
 Lab File: BG043668.D
 Acq: 16 Nov 2019 2:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.5	26.3
265	20.5	17.4	26.0

