

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111819\
 Data File : BG043684.D
 Acq On : 18 Nov 2019 22:12
 Operator : JU
 Sample : K5671-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 01:41:37 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	28541	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	92644	20.00	ng	-0.02
39) Acenaphthene-d10	14.62	164	67194	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	177105	20.00	ng	-0.02
76) Chrysene-d12	21.63	240	199170	20.00	ng	-0.02
87) Perylene-d12	24.81	264	135786	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	219596	140.99	ng	0.00
7) Phenol-d6	7.19	99	283661	126.58	ng	0.00
23) Nitrobenzene-d5	9.16	82	178882	99.54	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	179077	140.05	ng	-0.02
45) 2-Fluorobiphenyl	13.24	172	476026	97.89	ng	-0.02
79) Terphenyl-d14	19.98	244	1085548	102.25	ng	-0.02

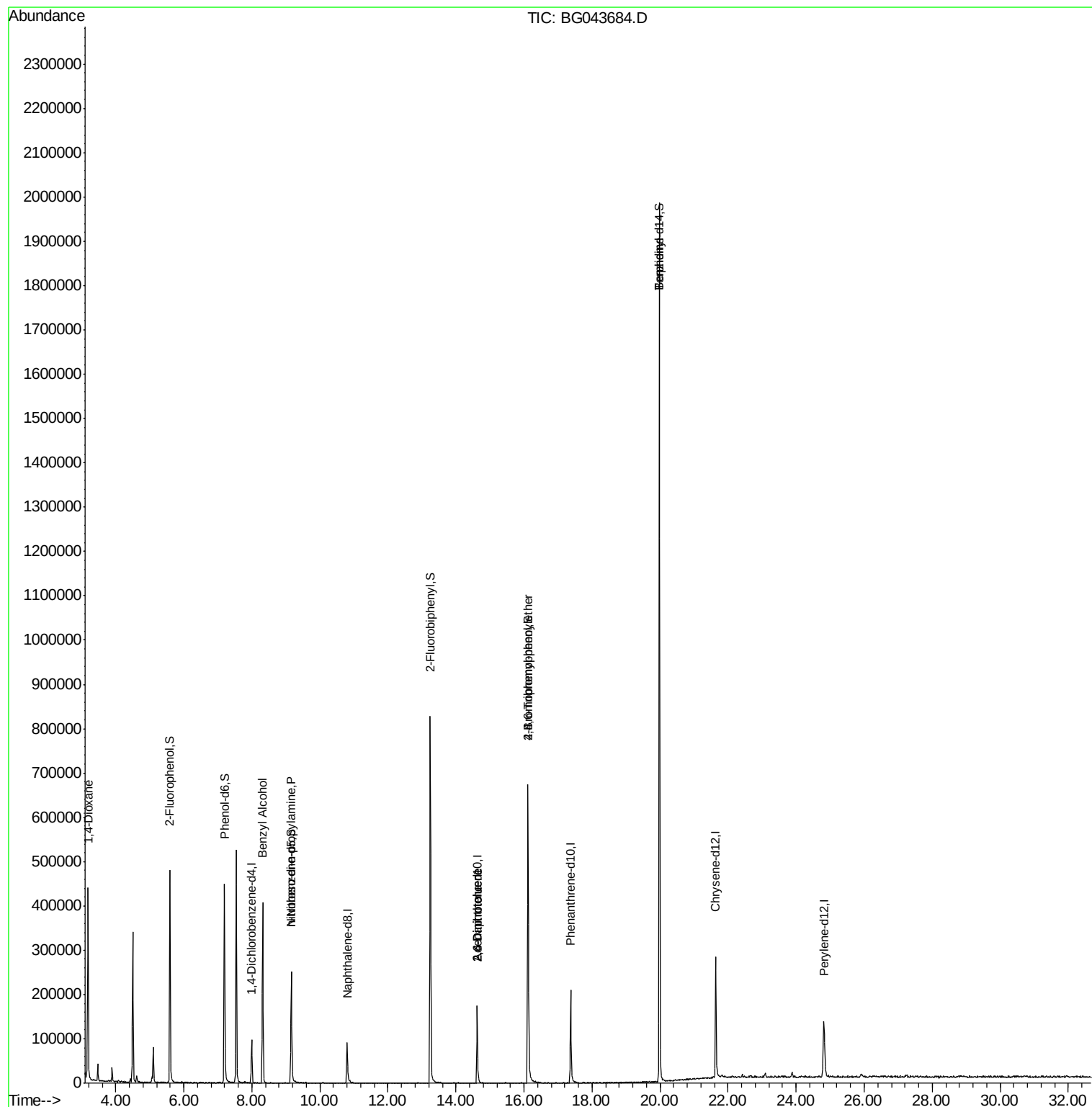
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	4891	8.058	ng	# 1
15) Benzyl Alcohol	8.31	79	3346	2.126	ng	# 49
19) n-Nitroso-di-n-propylamine	9.15	70	24875	17.178	ng	# 73
51) 2,6-Dinitrotoluene	14.62	165	9302	8.227	ng	# 25
57) 2,4-Dinitrotoluene	14.62	165	9302	5.757	ng	# 28
67) 4-Bromophenyl-phenylether	16.12	248	12226	5.130	ng	# 1
77) Benzidine	19.98	184	15767	3.934	ng	# 77

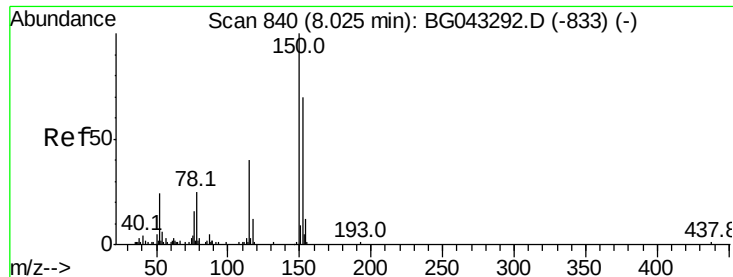
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111819\
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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: BG043684.D

Acq: 18 Nov 2019 22:12

Instrument :

BNA_G

ClientSampleId :

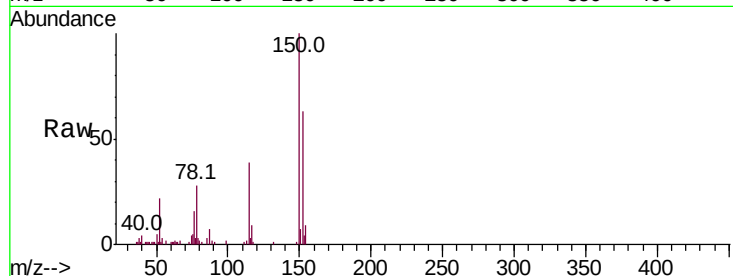
Tot Ion:152 Resp: 28541

Ion Ratio Lower Upper

152 100

150 159.6 129.4 194.0

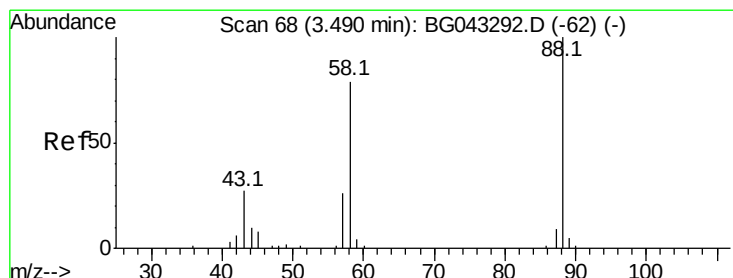
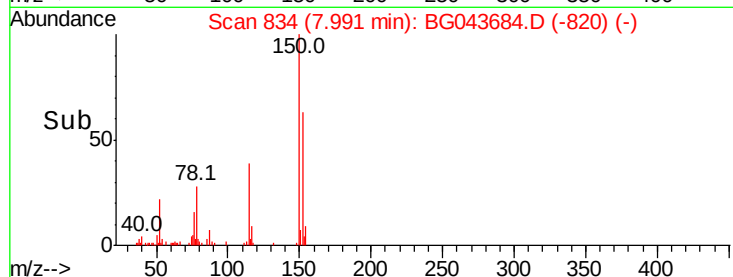
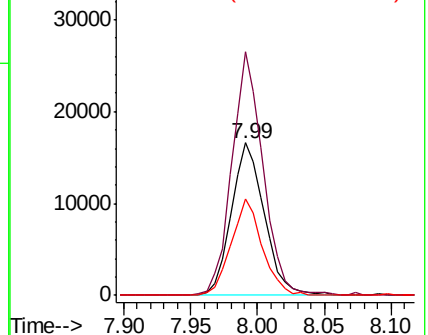
115 62.9 48.8 73.2



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: 8.058 ng

RT: 3.19 min Scan# 17

Delta R.T. -0.28 min

Lab File: BG043684.D

Acq: 18 Nov 2019 22:12

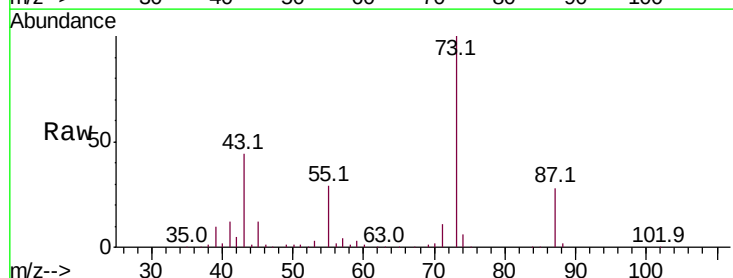
Tgt Ion: 88 Resp: 4891

Ion Ratio Lower Upper

88 100

58 58.1 62.7 94.1#

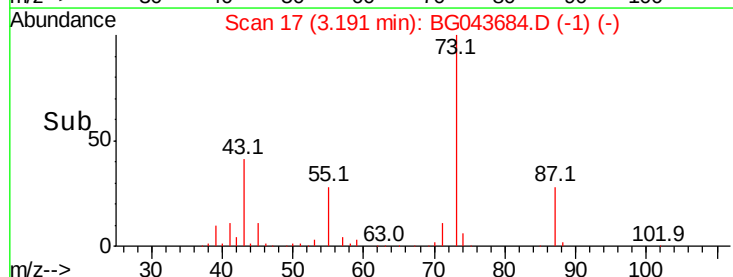
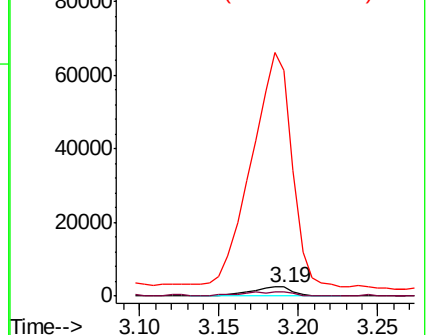
43 2295.9 23.7 35.5#

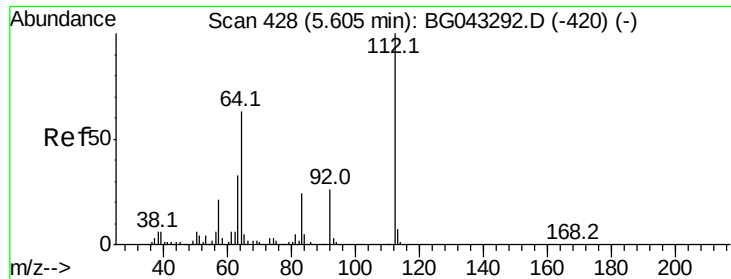


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 140.989 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG043684.D

Acq: 18 Nov 2019 22:12

Instrument :

BNA_G

ClientSampled :

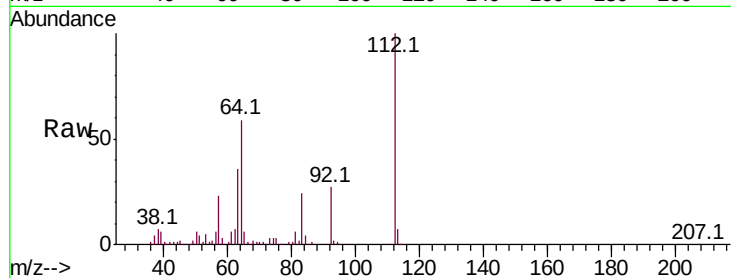
Tot Ion:112 Resp: 219596

Ion Ratio Lower Upper

112 100

64 59.0 50.0 75.0

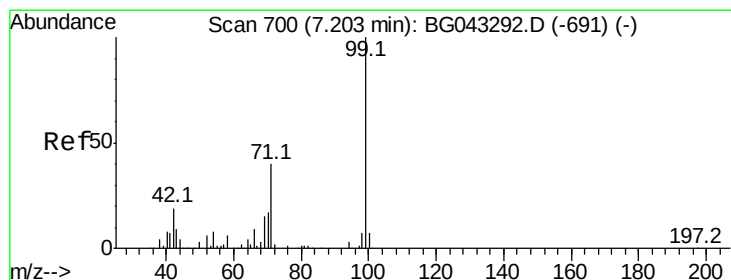
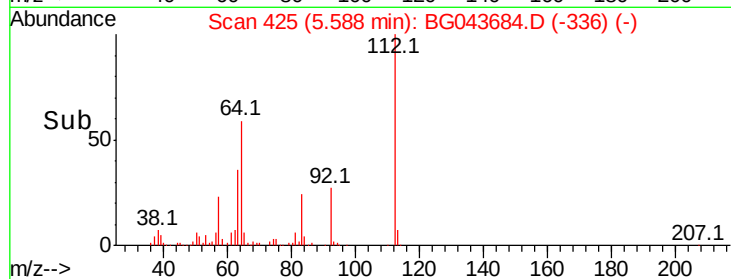
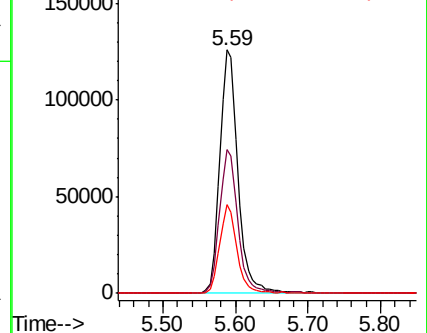
63 36.3 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 126.582 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG043684.D

Acq: 18 Nov 2019 22:12

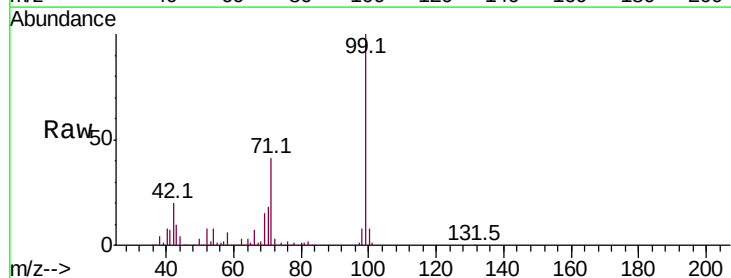
Tgt Ion: 99 Resp: 283661

Ion Ratio Lower Upper

99 100

42 20.1 14.6 21.8

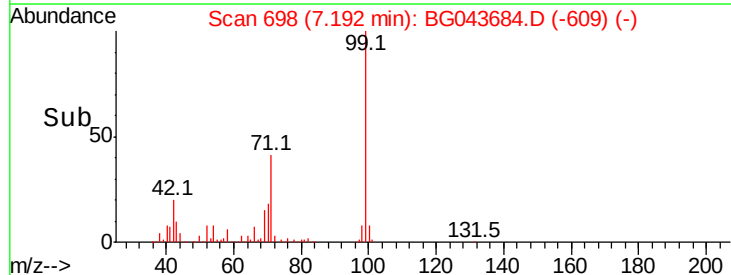
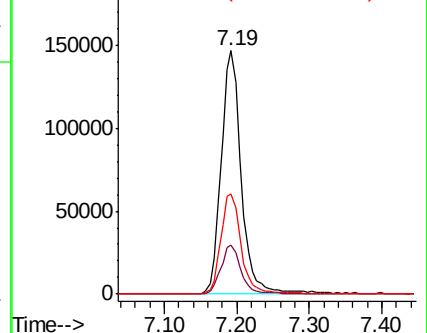
71 41.2 32.5 48.7

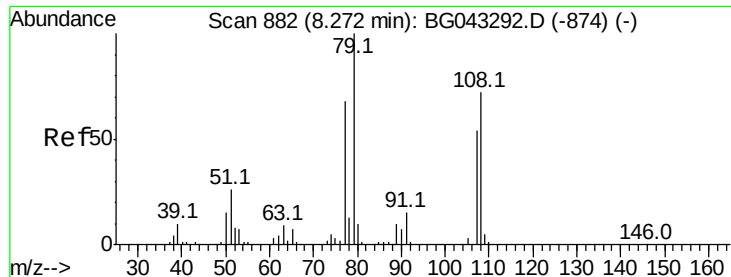


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

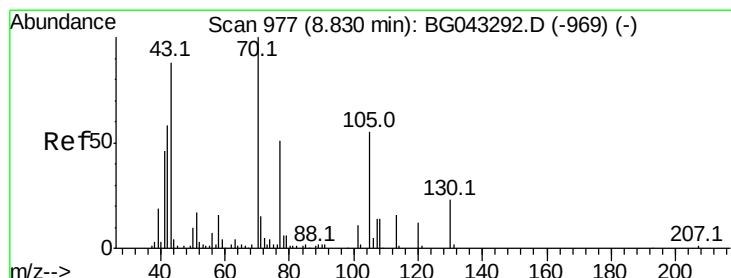
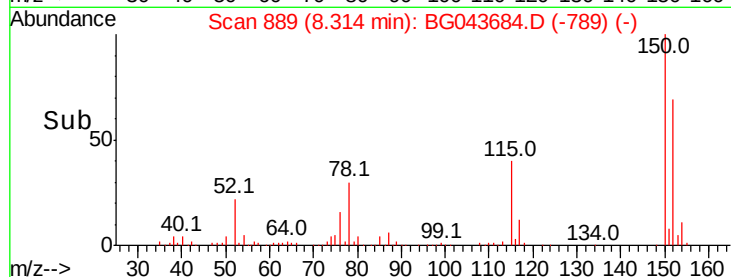
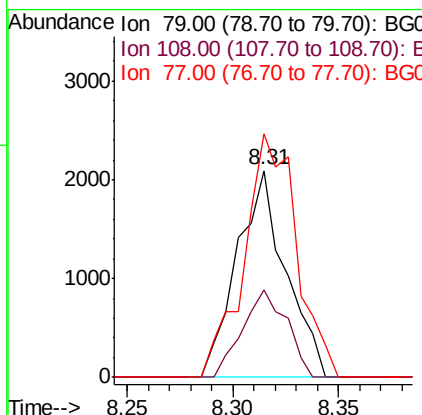
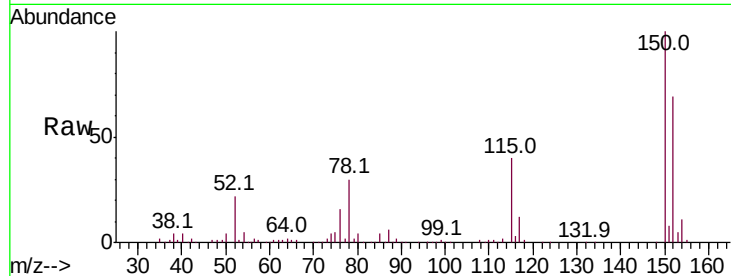




#15
Benzyl Alcohol
Concen: 2.126 ng
RT: 8.31 min Scan# 889
Delta R.T. 0.06 min
Lab File: BG043684.D
Acq: 18 Nov 2019 22:12

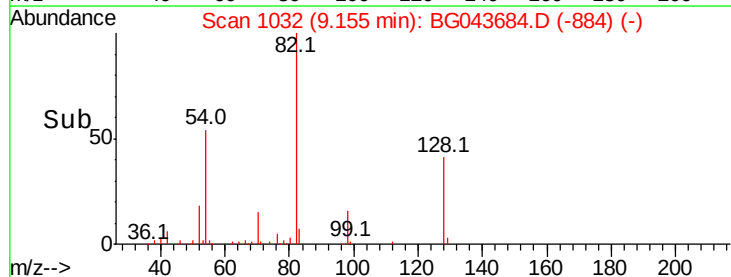
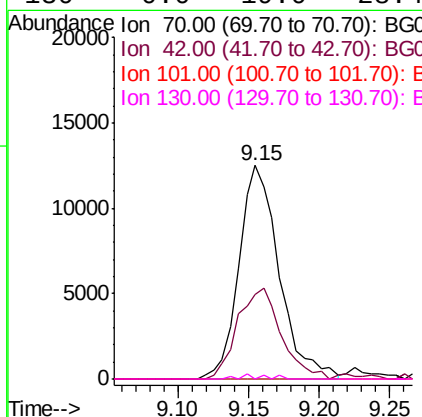
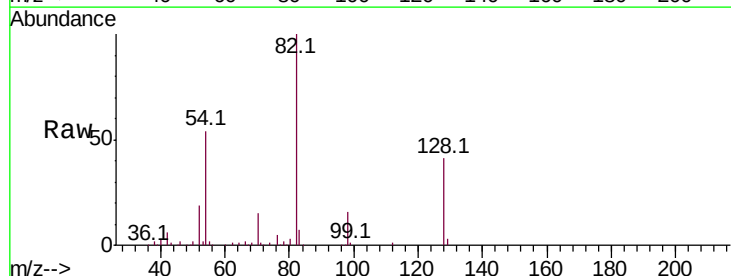
Instrument :
BNA_G
ClientSampleId :

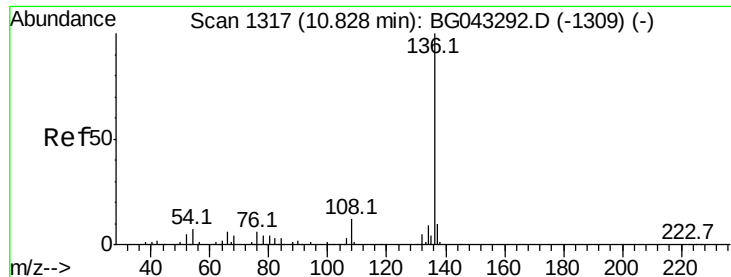
Tot Ion: 79 Resp: 3346
Ion Ratio Lower Upper
79 100
108 42.3 53.6 80.4#
77 117.5 49.6 74.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.178 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.34 min
Lab File: BG043684.D
Acq: 18 Nov 2019 22:12

Tgt Ion: 70 Resp: 24875
Ion Ratio Lower Upper
70 100
42 39.6 41.4 62.2#
101 0.0 7.9 11.9#
130 0.0 19.0 28.4#

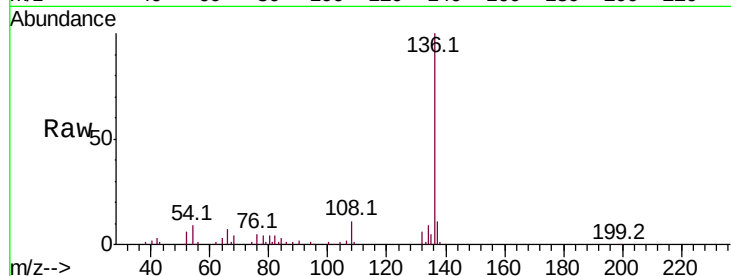




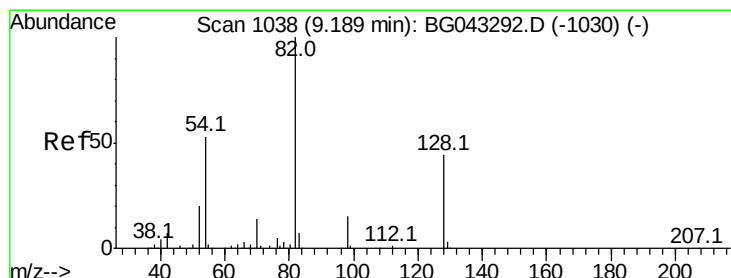
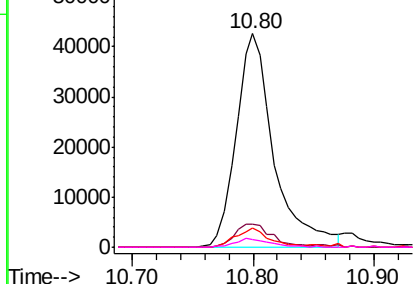
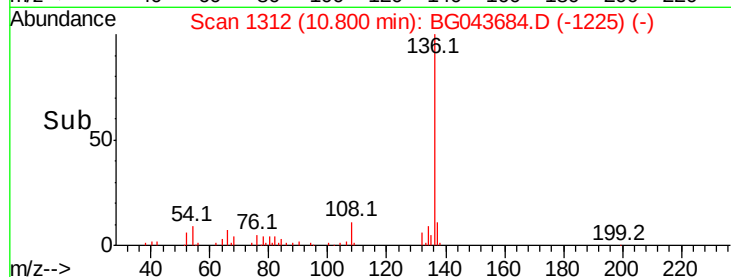
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BG043684.D
Acq: 18 Nov 2019 22:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	92644	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.7	13.1	
54 8.9	5.4	8.2#	
68 3.6	3.0	4.4	

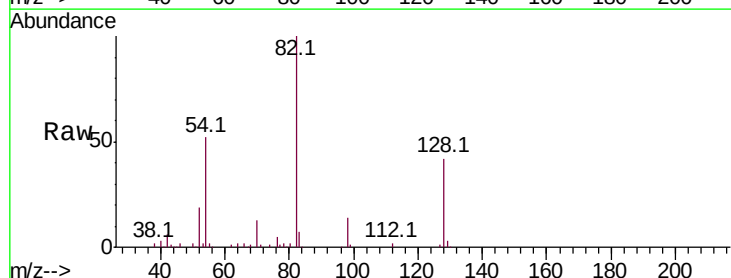


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

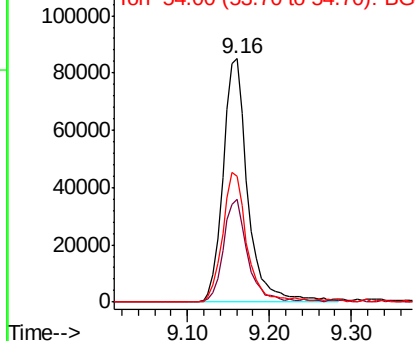
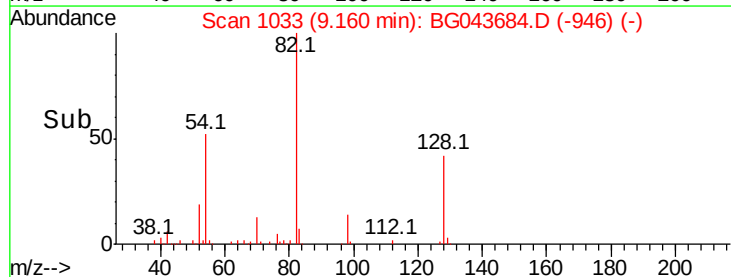


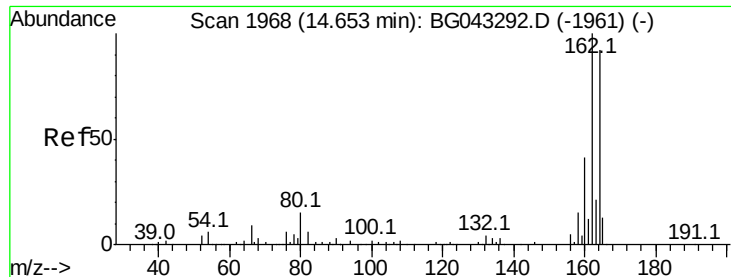
#23
Nitrobenzene-d5
Concen: 99.544 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BG043684.D
Acq: 18 Nov 2019 22:12

Tgt	Ion: 82	Resp:	178882
Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.0	52.6
54	51.6	40.2	60.2



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

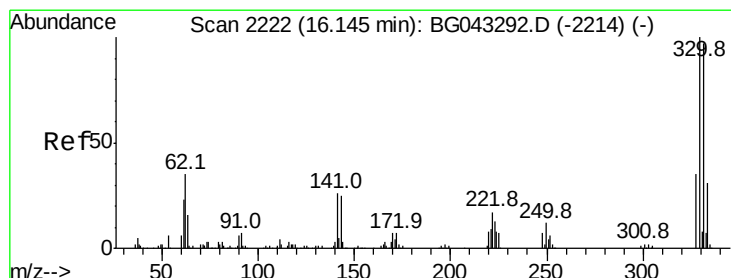
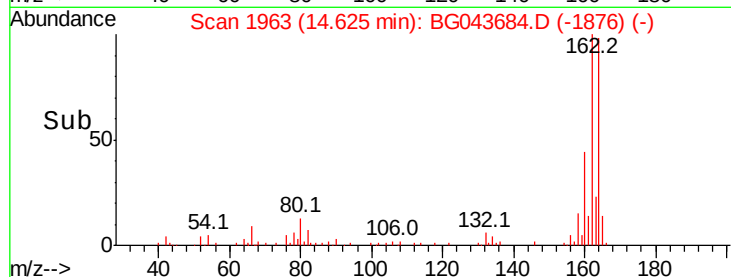
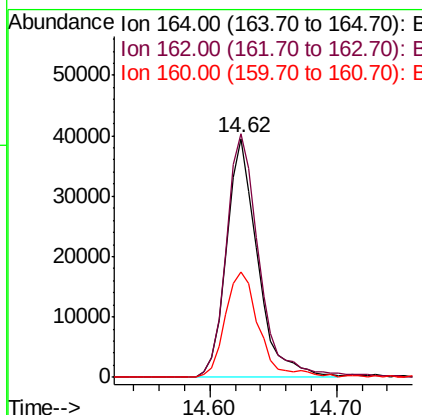
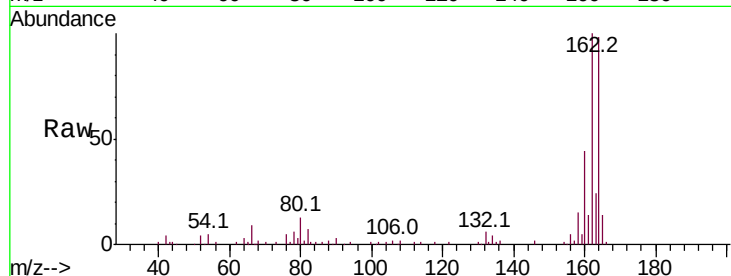




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.02 min
 Lab File: BG043684.D
 Acq: 18 Nov 2019 22:12

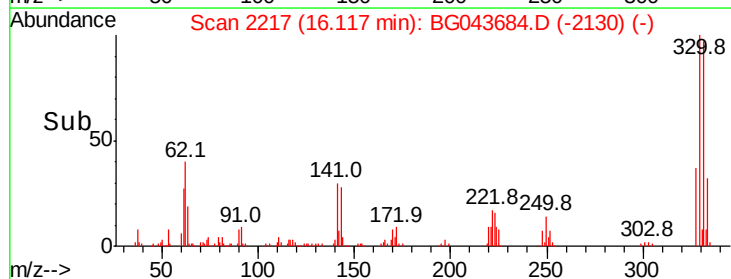
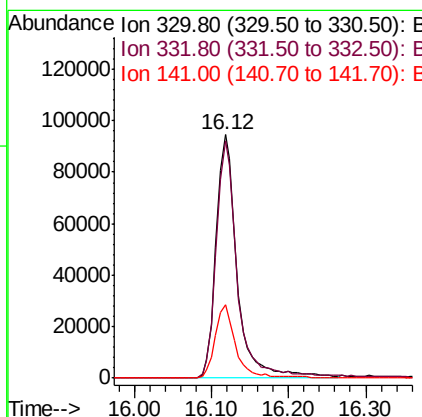
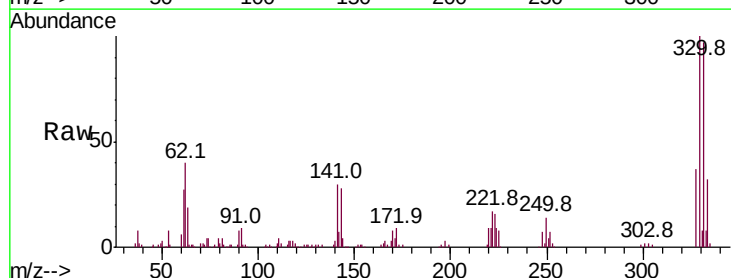
Instrument :
 BNA_G
 ClientSampled :

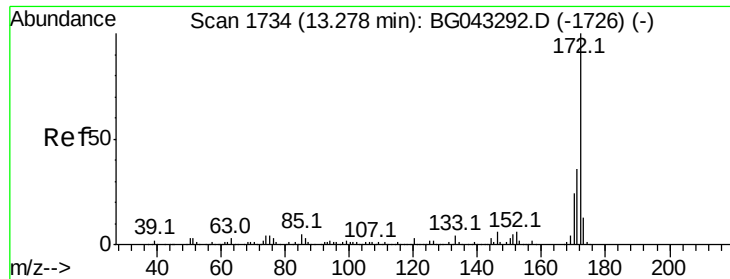
Tot Ion:164 Resp: 67194
 Ion Ratio Lower Upper
 164 100
 162 102.1 83.5 125.3
 160 44.4 36.5 54.7



#42
 2,4,6-Tribromophenol
 Concen: 140.046 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. -0.02 min
 Lab File: BG043684.D
 Acq: 18 Nov 2019 22:12

Tgt Ion:330 Resp: 179077
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.4 116.0
 141 28.5 22.8 34.2

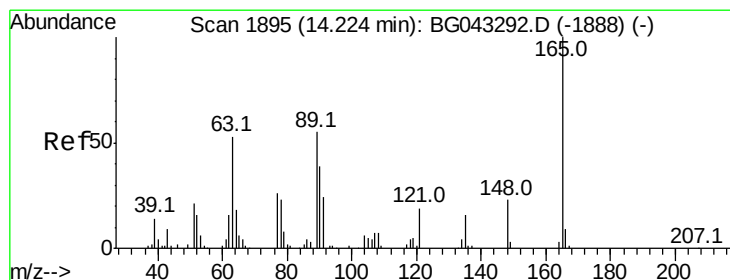
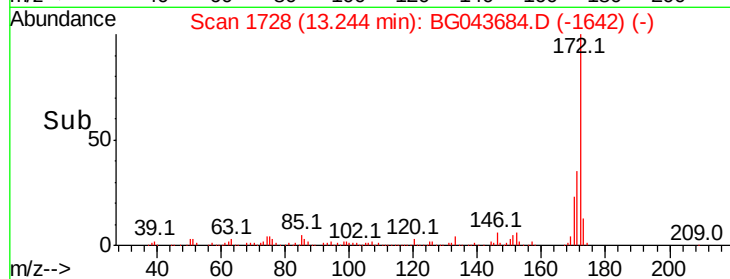
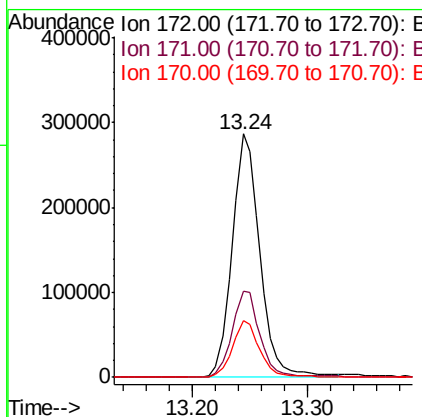
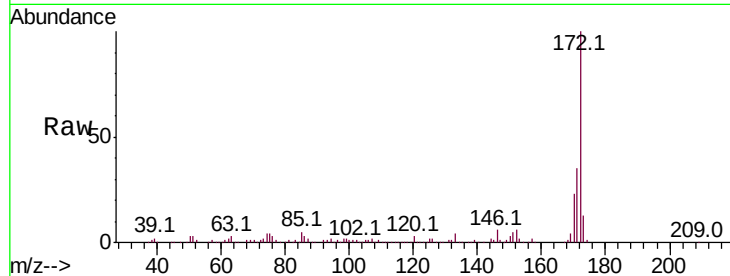




#45
 2-Fluorobiphenyl
 Concen: 97.892 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.02 min
 Lab File: BG043684.D
 Acq: 18 Nov 2019 22:12

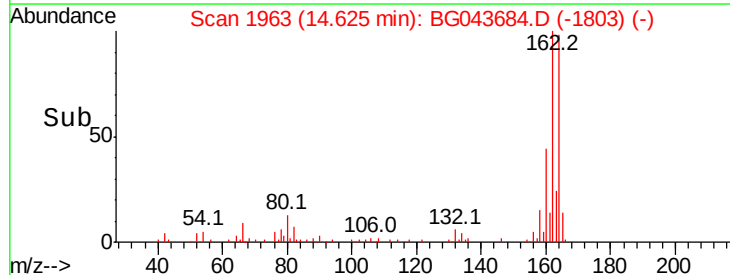
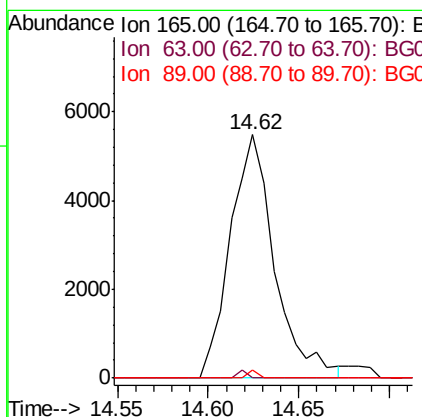
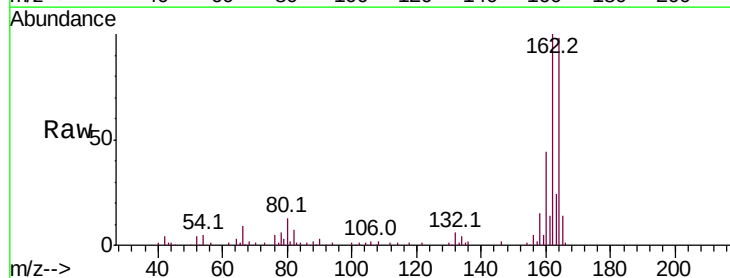
Instrument :
 BNA_G
 ClientSampleId :

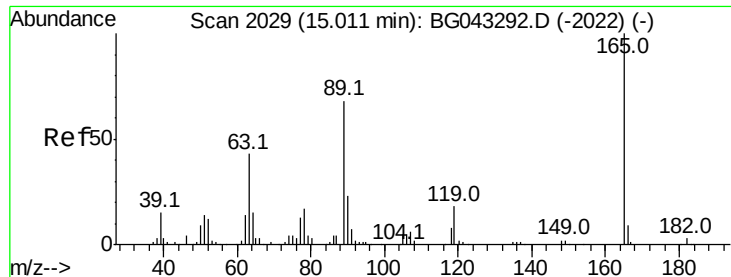
Tot Ion:172 Resp: 476026
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 23.2 18.5 27.7



#51
 2,6-Dinitrotoluene
 Concen: 8.227 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.41 min
 Lab File: BG043684.D
 Acq: 18 Nov 2019 22:12

Tgt Ion:165 Resp: 9302
 Ion Ratio Lower Upper
 165 100
 63 0.0 46.6 69.8#
 89 3.3 45.1 67.7#





#57

2,4-Dinitrotoluene

Concen: 5.757 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.38 min

Lab File: BG043684.D

Acq: 18 Nov 2019 22:12

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 9302

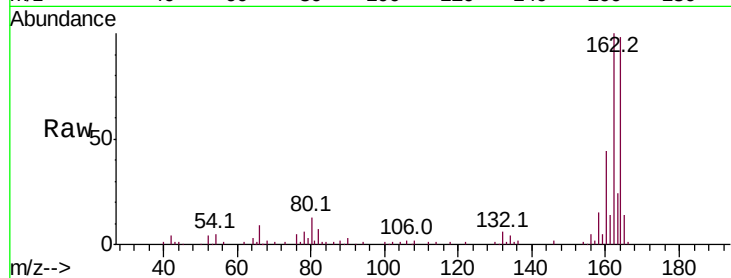
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 3.3 52.2 78.4#

182 0.0 2.0 3.0#

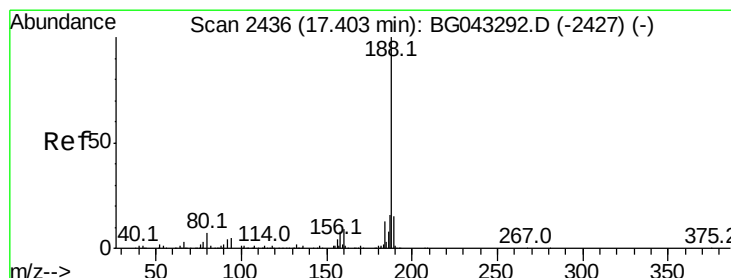
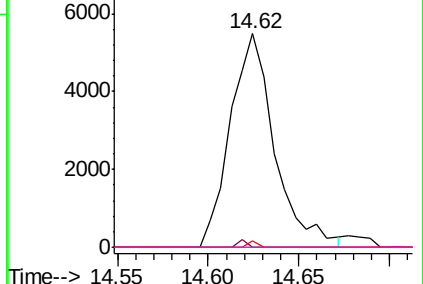
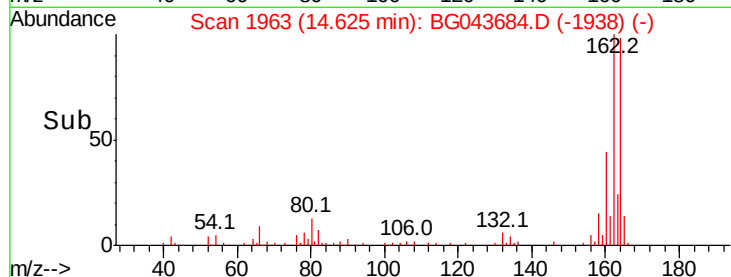


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BG043684.D

Acq: 18 Nov 2019 22:12

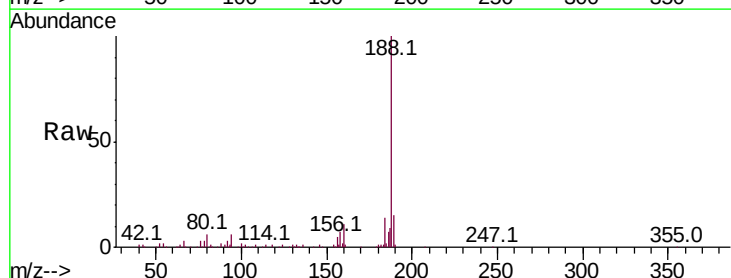
Tgt Ion:188 Resp: 177105

Ion Ratio Lower Upper

188 100

94 5.8 4.2 6.4

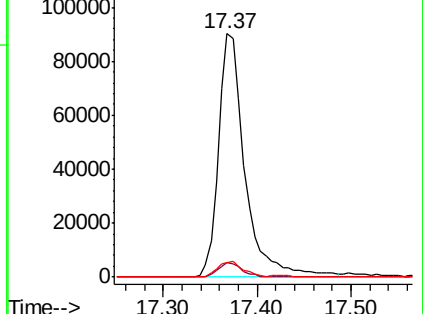
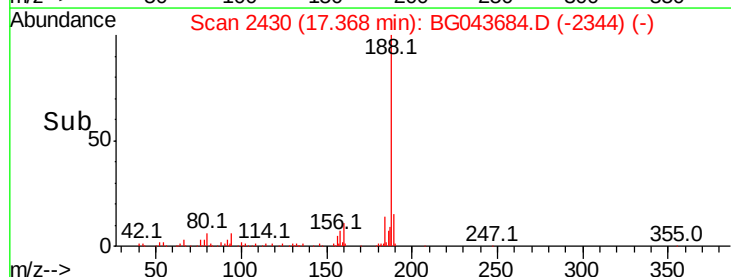
80 5.9 4.5 6.7

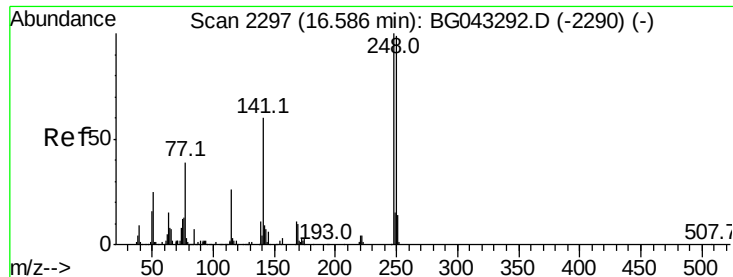


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

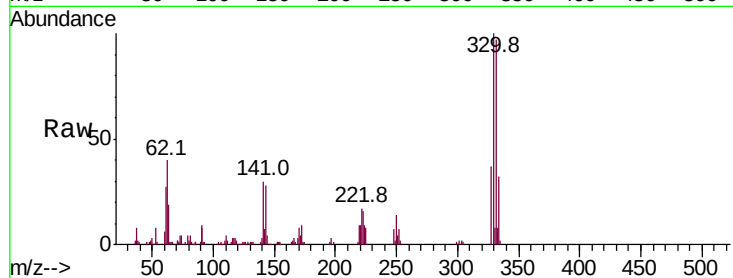




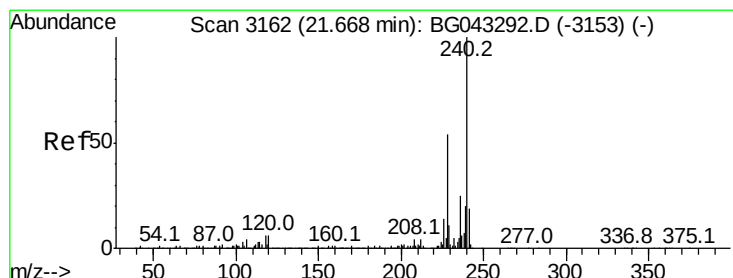
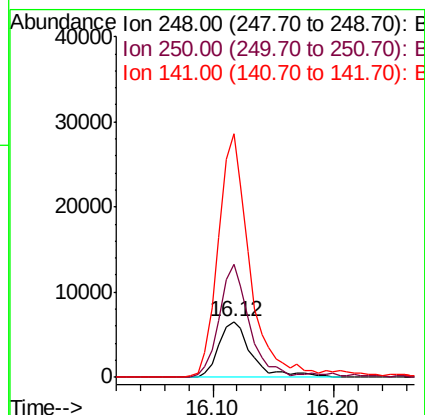
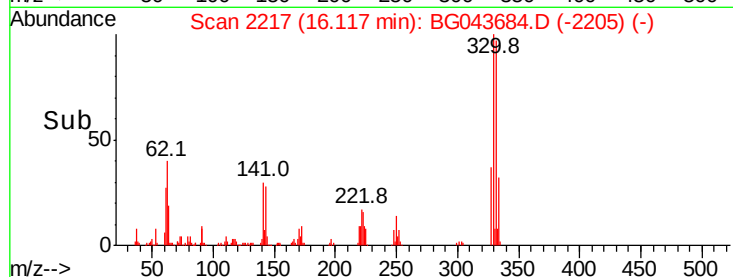
#67
4-Bromophenyl-phenylether
Concen: 5.130 ng
RT: 16.12 min Scan# 2217
Delta R.T. -0.46 min
Lab File: BG043684.D
Acq: 18 Nov 2019 22:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12226
Ion Ratio Lower Upper
248 100
250 202.6 77.0 115.4#
141 437.7 47.5 71.3#

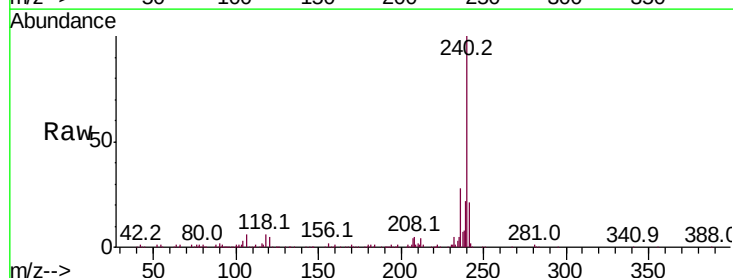


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

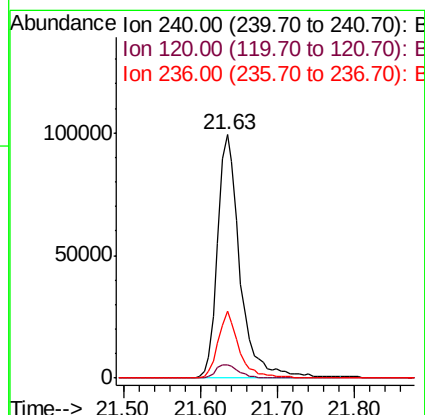
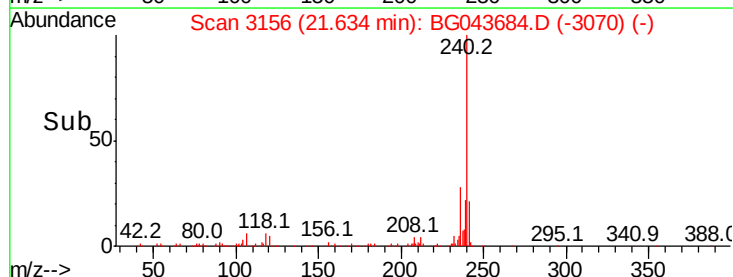


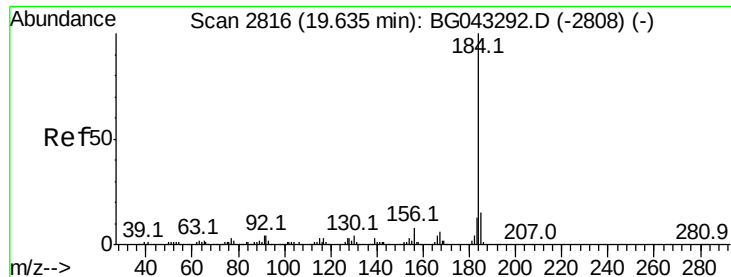
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.02 min
Lab File: BG043684.D
Acq: 18 Nov 2019 22:12

Tgt Ion:240 Resp: 199170
Ion Ratio Lower Upper
240 100
120 5.4 4.6 6.8
236 27.6 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: 3.934 ng

RT: 19.98 min Scan# 2874

Delta R.T. 0.35 min

Lab File: BG043684.D

Acq: 18 Nov 2019 22:12

Instrument :

BNA_G

ClientSampleId :

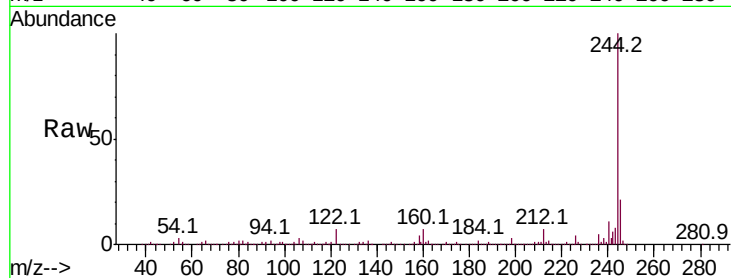
Tot Ion:184 Resp: 15767

Ion Ratio Lower Upper

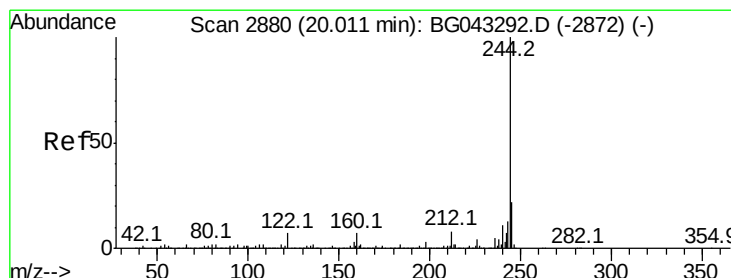
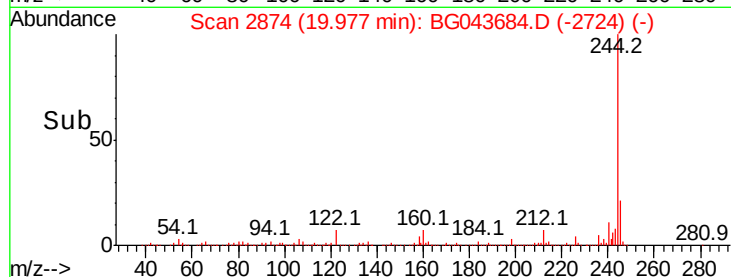
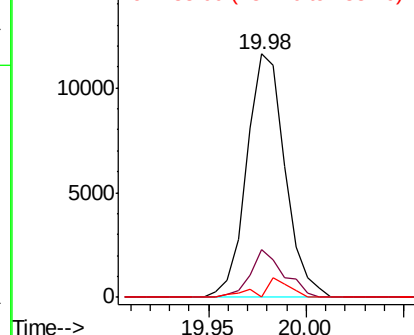
184 100

185 19.7 11.0 16.4#

183 0.0 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: 102.252 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043684.D

Acq: 18 Nov 2019 22:12

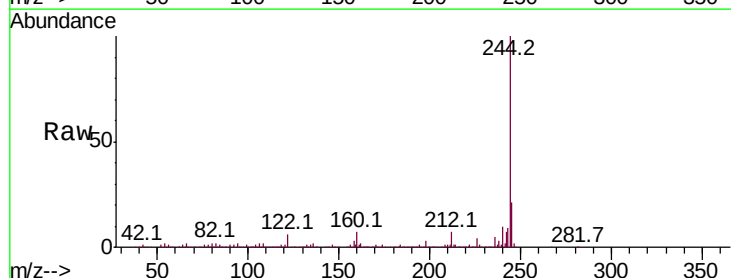
Tgt Ion:244 Resp: 1085548

Ion Ratio Lower Upper

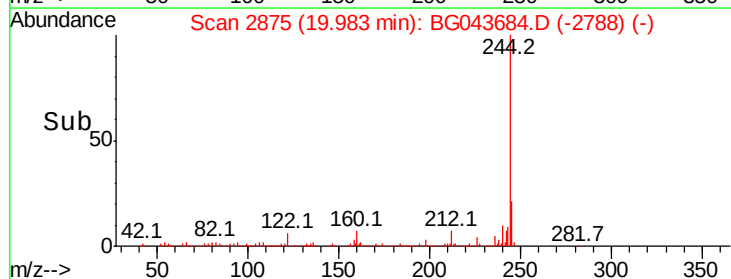
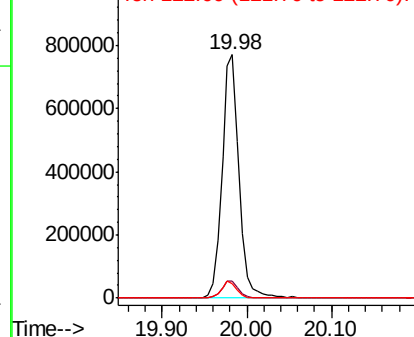
244 100

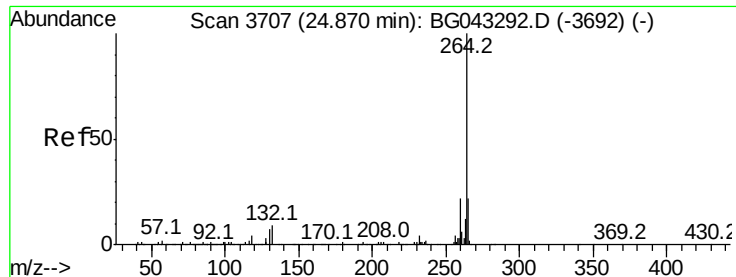
212 6.8 5.8 8.6

122 5.9 5.4 8.2



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

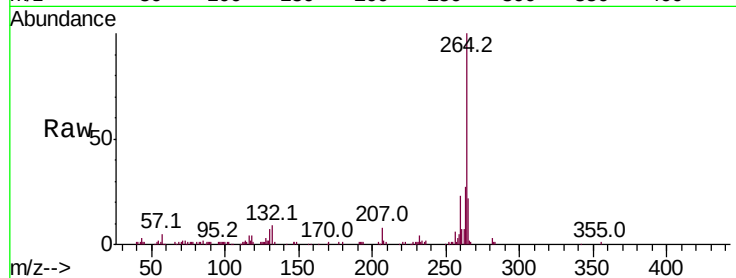




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3697
Delta R.T. -0.04 min
Lab File: BG043684.D
Acq: 18 Nov 2019 22:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.5	26.3
265	21.9	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

