

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
 Data File : BG043633.D
 Acq On : 14 Nov 2019 14:39
 Operator : JU
 Sample : K5794-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HP-640-EB

Quant Time: Nov 15 00:57:59 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	8.00	152	29850	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	115480	20.00	ng	-0.01
39) Acenaphthene-d10	14.62	164	87673	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	217191	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	235854	20.00	ng	-0.02
87) Perylene-d12	24.82	264	277854	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	82183	50.45	ng	0.00
7) Phenol-d6	7.20	99	72638	30.99	ng	0.00
23) Nitrobenzene-d5	9.16	82	170225	75.99	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	130889	78.45	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	519360	81.86	ng	-0.02
79) Terphenyl-d14	19.98	244	1044912	83.12	ng	-0.02

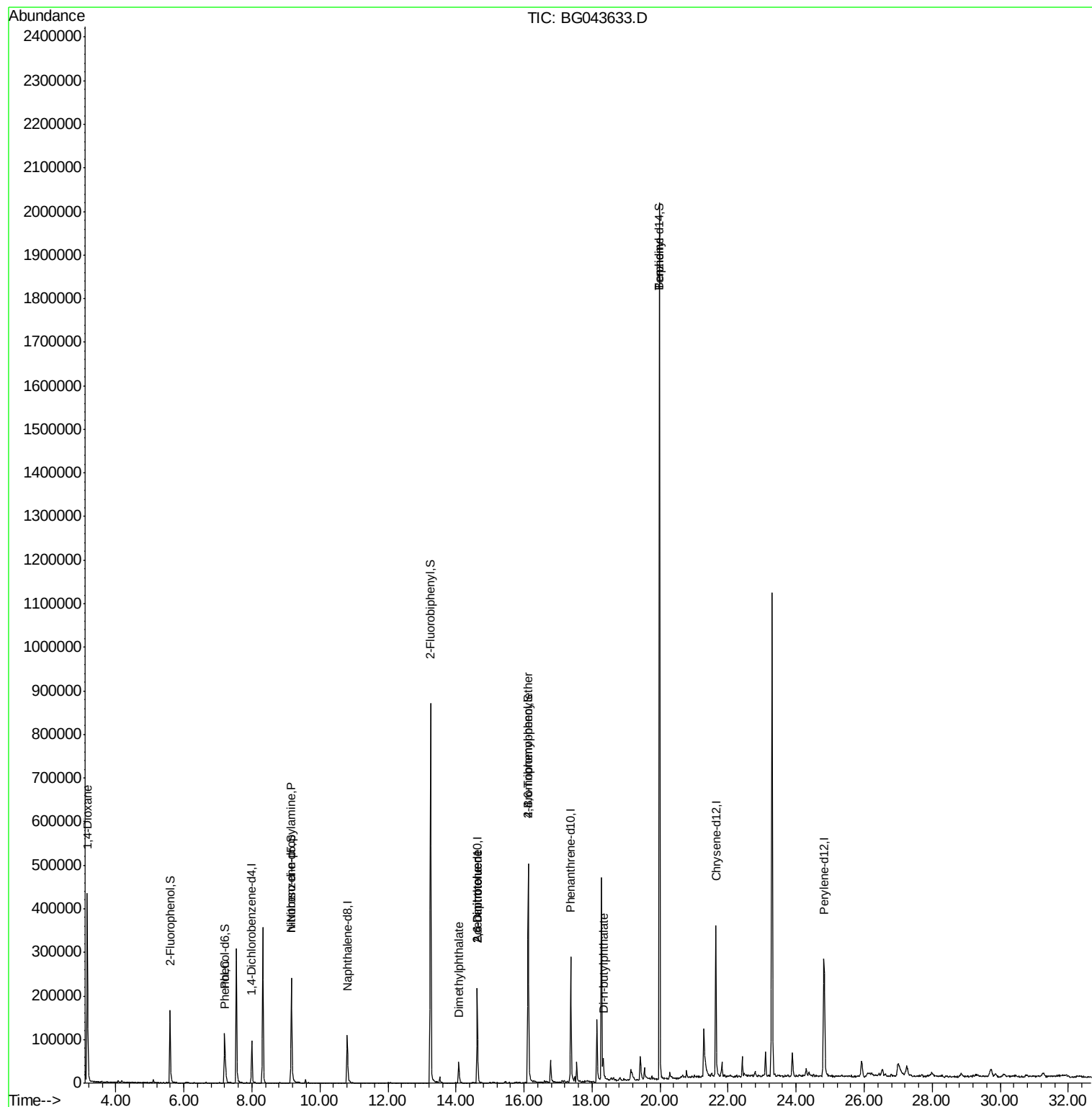
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	4105	6.467	ng	# 1
10) Phenol	7.22	94	18887	8.819	ng	# 95
19) n-Nitroso-di-n-propylamine	9.15	70	23379	15.437	ng	# 77
50) Dimethylphthalate	14.08	163	43388	6.389	ng	# 96
51) 2,6-Dinitrotoluene	14.62	165	11193	7.587	ng	# 22
57) 2,4-Dinitrotoluene	14.62	165	11193	5.309	ng	# 25
67) 4-Bromophenyl-phenylether	16.12	248	8005	2.739	ng	# 1
74) Di-n-butylphthalate	18.33	149	26665	2.181	ng	# 96
77) Benzidine	19.98	184	15870	3.343	ng	# 89

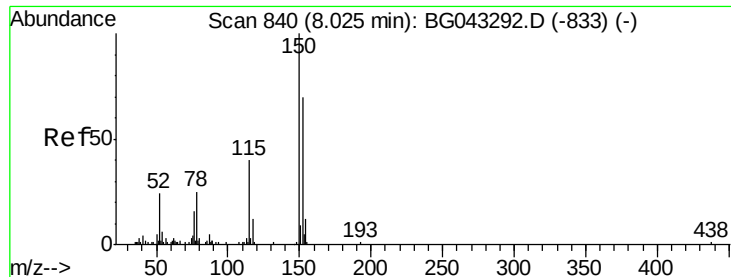
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 835

Delta R.T. -0.01 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

Instrument :

BNA_G

ClientSampleId :

HP-640-EB

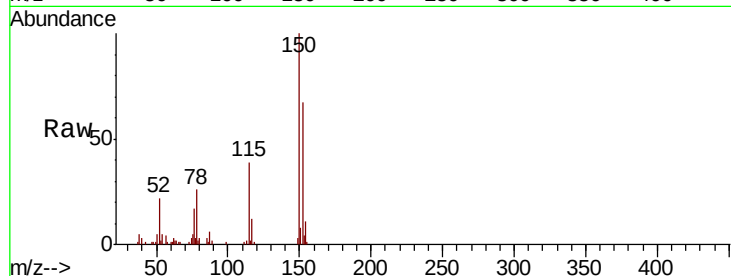
Tot Ion:152 Resp: 29850

Ion Ratio Lower Upper

152 100

150 148.6 129.4 194.0

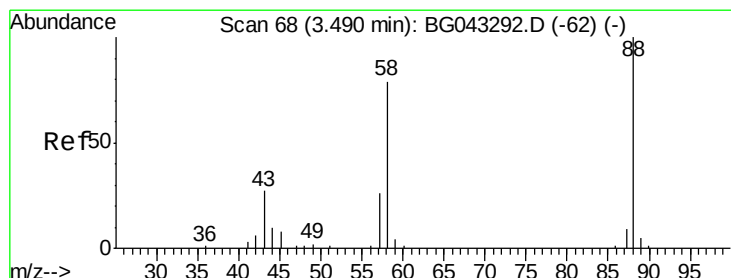
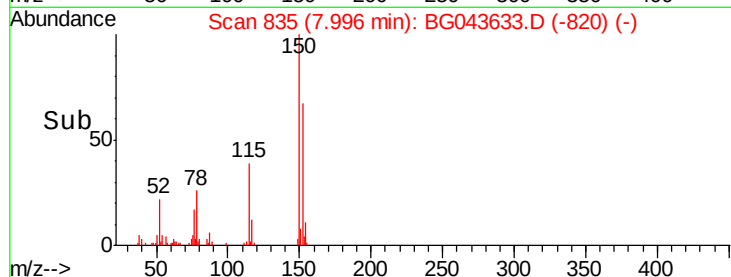
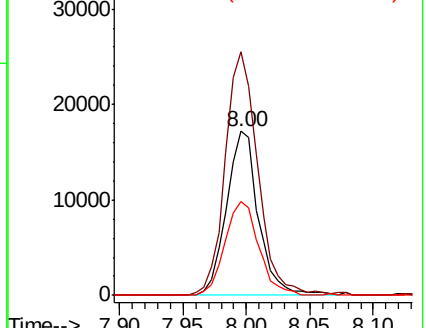
115 57.2 48.8 73.2



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: 6.467 ng

RT: 3.16 min Scan# 12

Delta R.T. -0.31 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

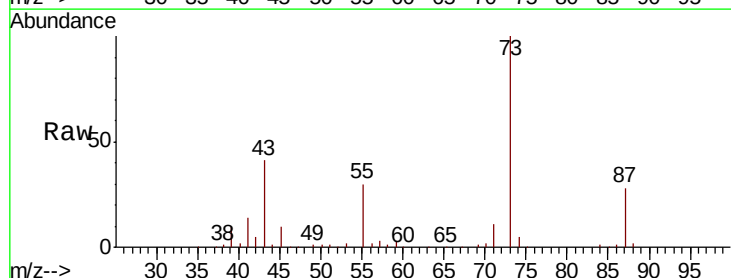
Tgt Ion: 88 Resp: 4105

Ion Ratio Lower Upper

88 100

58 52.5 62.7 94.1#

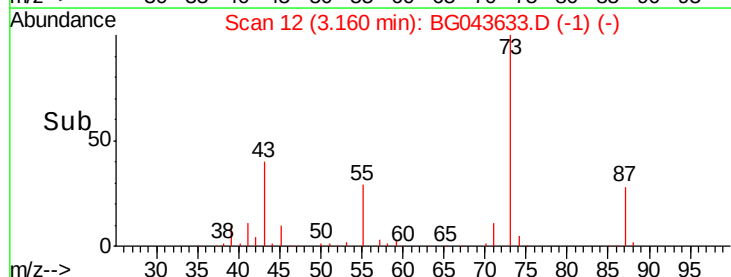
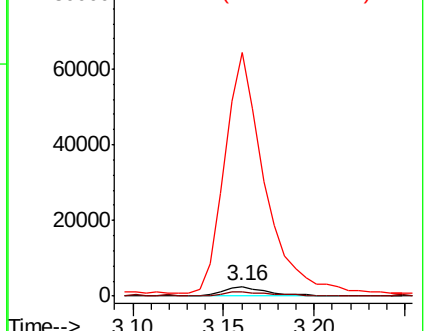
43 2401.0 23.7 35.5#

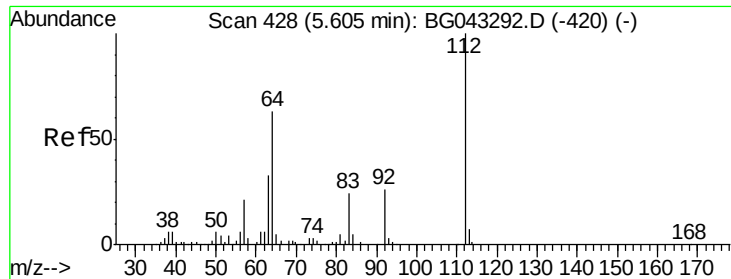


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 50.451 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

Instrument :

BNA_G

ClientSampleId :

HP-640-EB

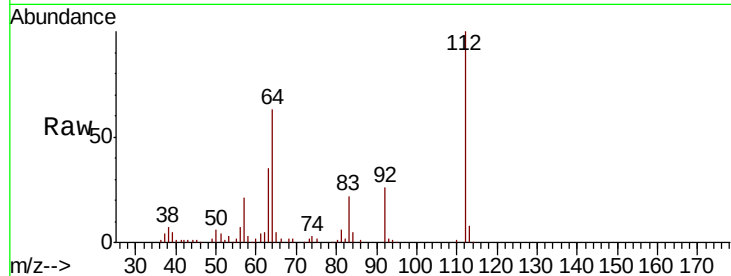
Tot Ion:112 Resp: 82183

Ion Ratio Lower Upper

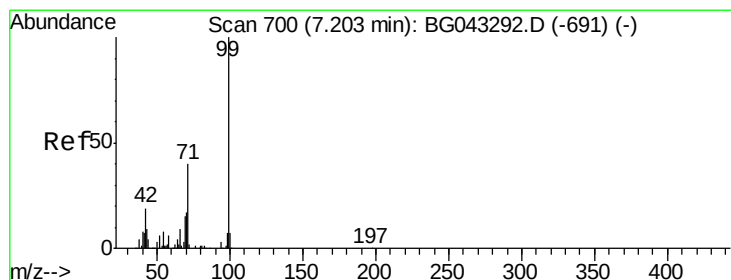
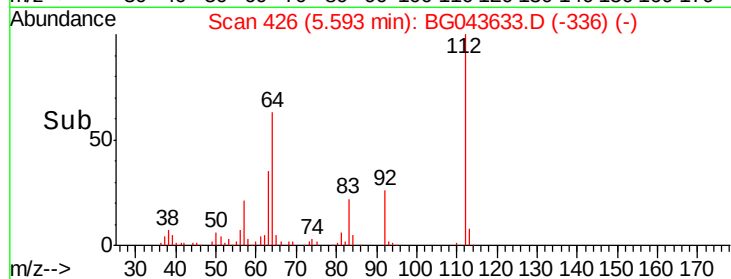
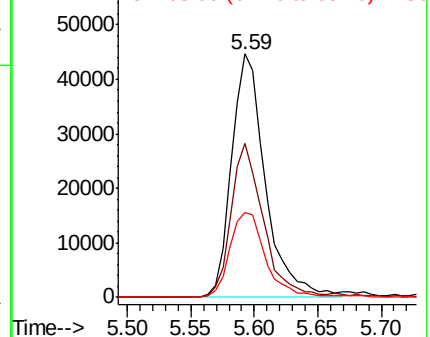
112 100

64 63.5 50.0 75.0

63 34.7 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: 30.993 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

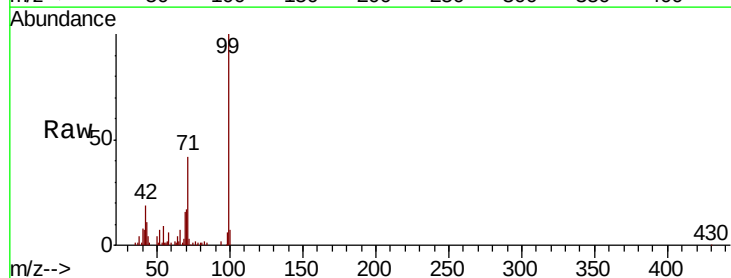
Tgt Ion: 99 Resp: 72638

Ion Ratio Lower Upper

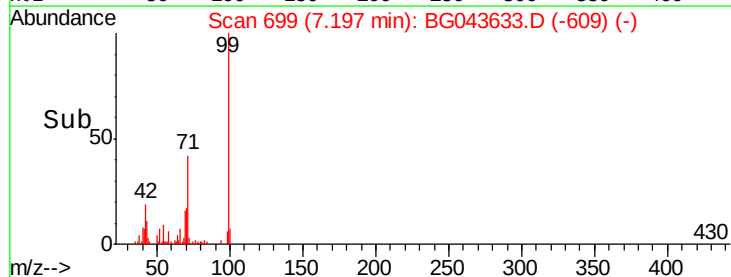
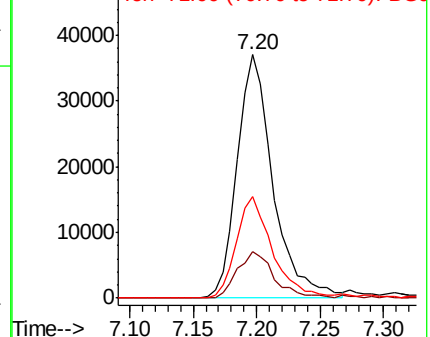
99 100

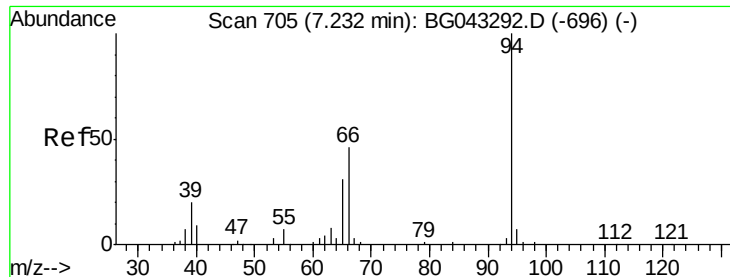
42 19.1 14.6 21.8

71 41.6 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: 8.819 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

Instrument :

BNA_G

ClientSampleId :

HP-640-EB

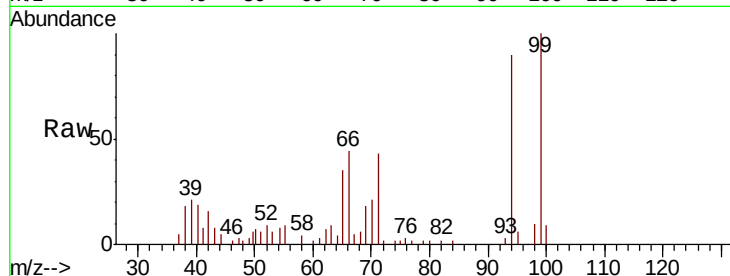
Tot Ion: 94 Resp: 18887

Ion Ratio Lower Upper

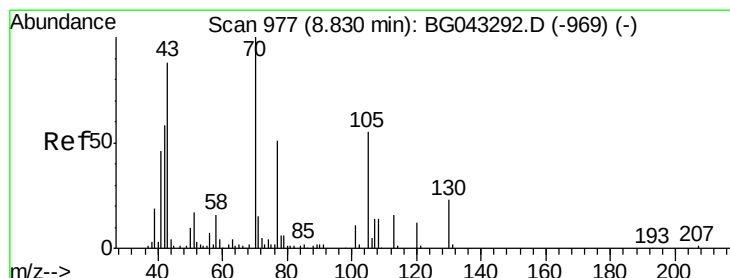
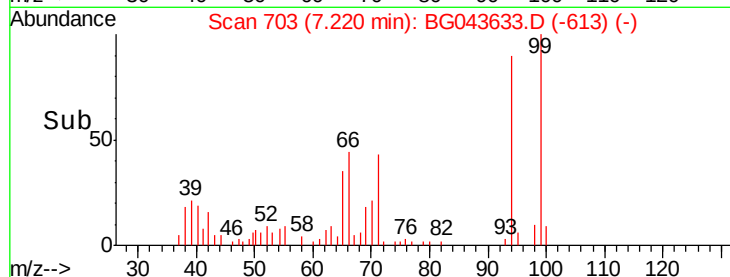
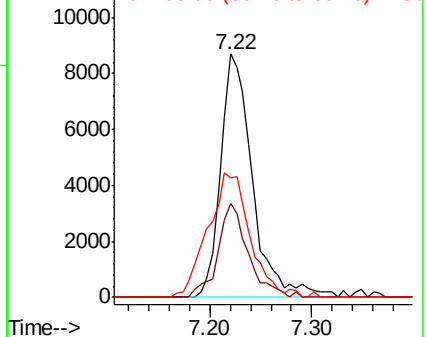
94 100

65 38.7 12.6 52.6

66 49.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.437 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

Tgt Ion: 70 Resp: 23379

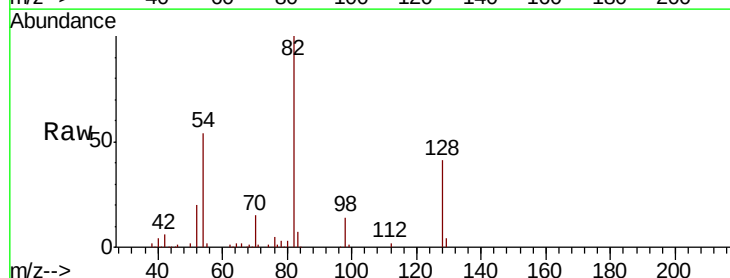
Ion Ratio Lower Upper

70 100

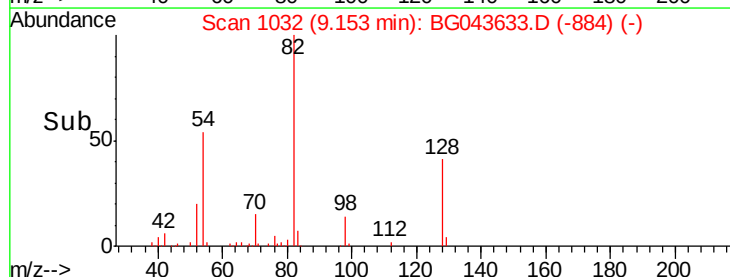
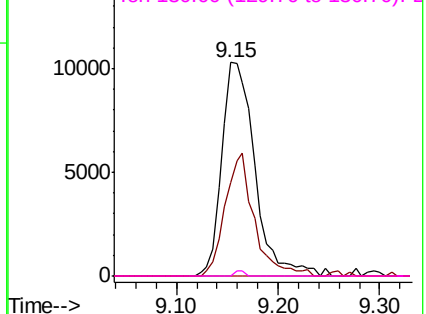
42 44.0 41.4 62.2

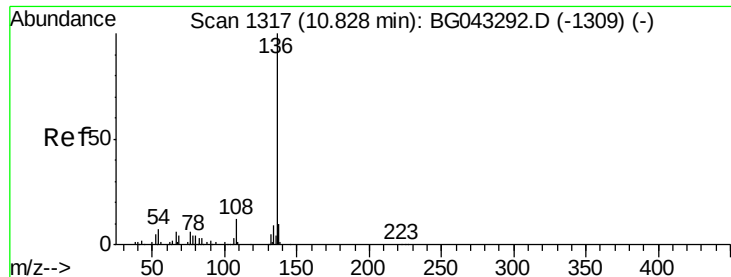
101 0.0 7.9 11.9#

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

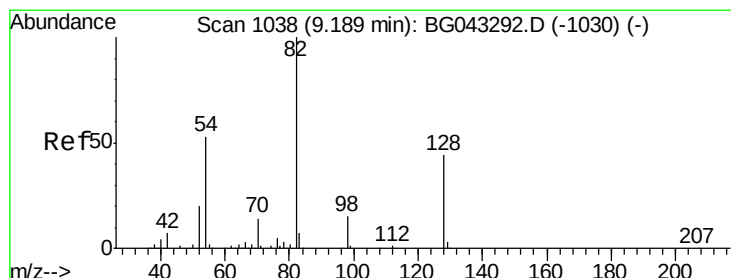
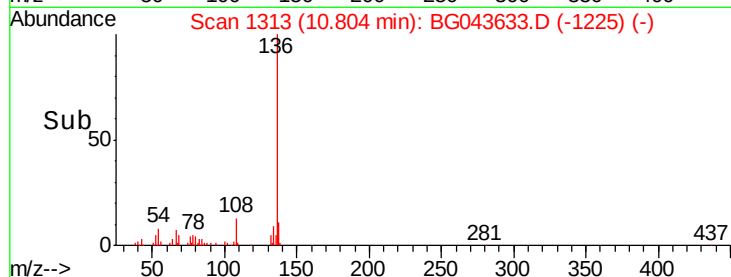
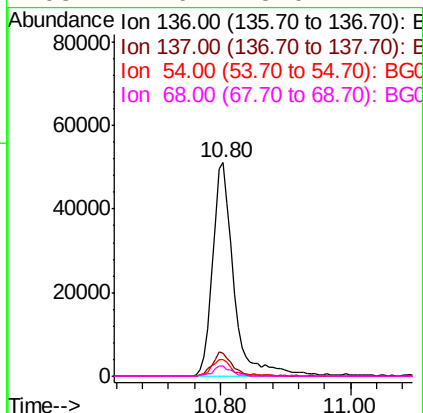
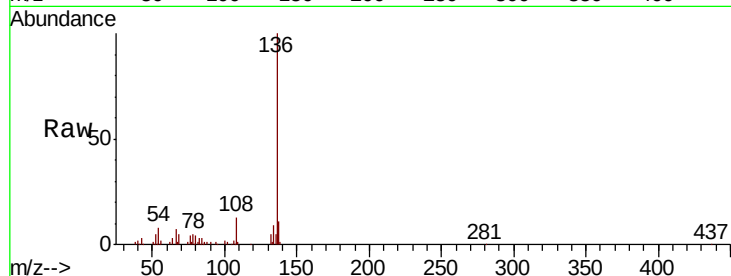




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043633.D
Acq: 14 Nov 2019 14:39

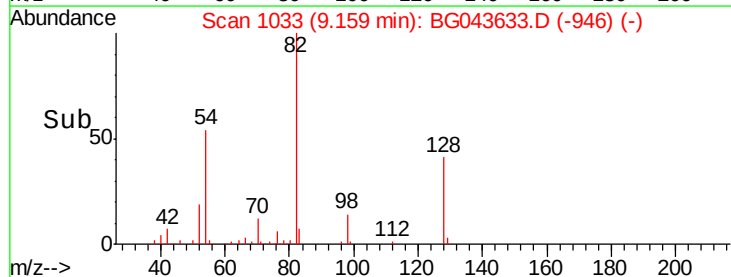
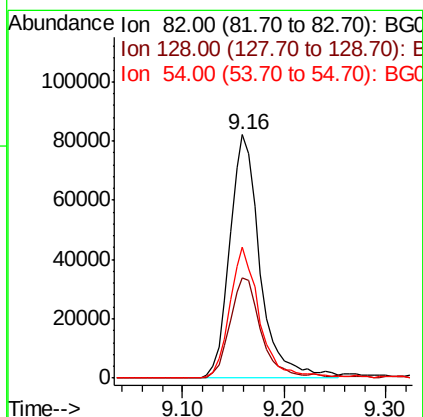
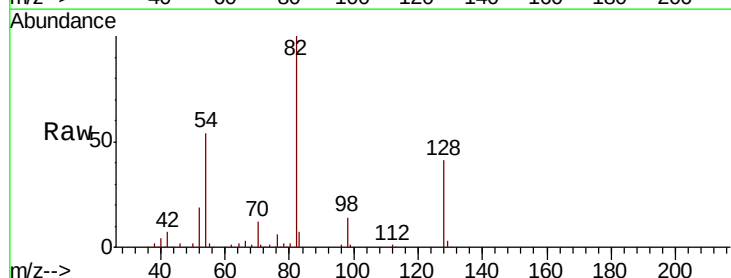
Instrument :
BNA_G
ClientSampleId :
HP-640-EB

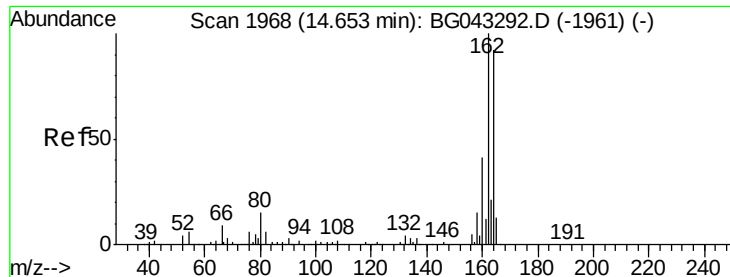
Tot Ion:136	Resp:	115480
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.7	13.1
54 7.8	5.4	8.2
68 4.6	3.0	4.4#



#23
Nitrobenzene-d5
Concen: 75.995 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BG043633.D
Acq: 14 Nov 2019 14:39

Tgt Ion: 82	Resp: 170225
Ion Ratio	Lower Upper
82 100	
128 41.0	35.0 52.6
54 54.0	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: BG043633.D

Acq: 14 Nov 2019 14:39

Instrument :

BNA_G

ClientSampleId :

HP-640-EB

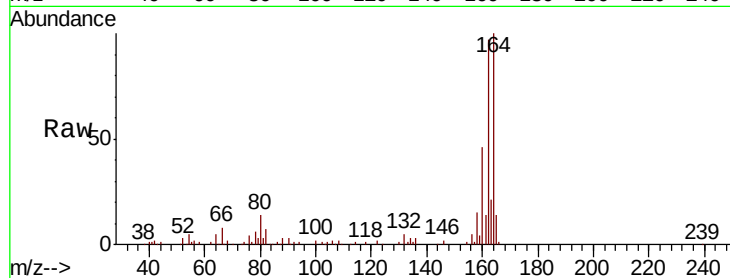
Tot Ion:164 Resp: 87673

Ion Ratio Lower Upper

164 100

162 96.8 83.5 125.3

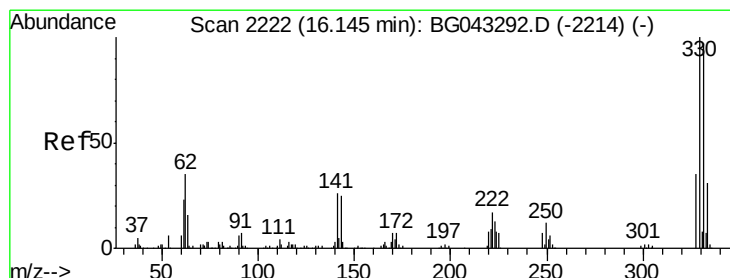
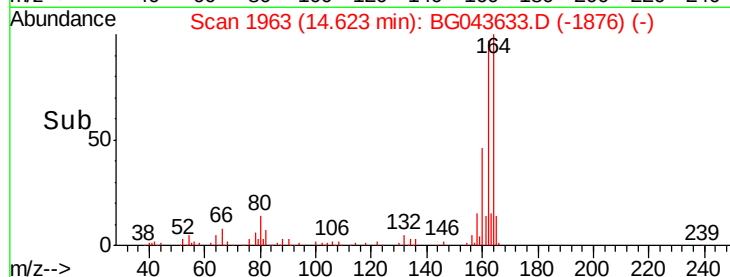
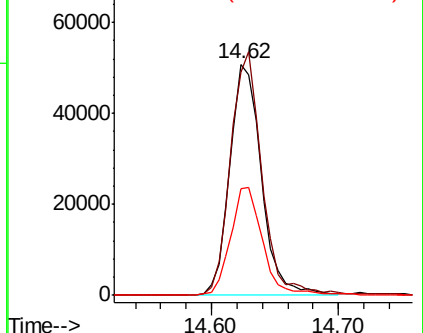
160 46.1 36.5 54.7



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: 78.451 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

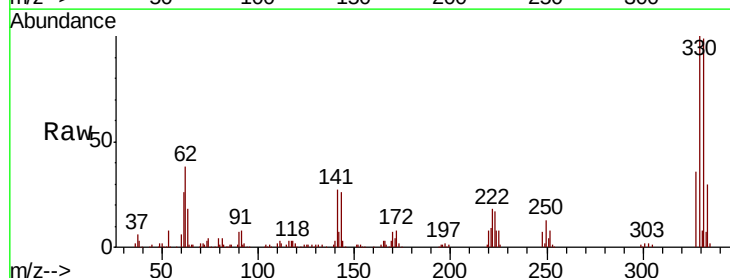
Tgt Ion:330 Resp: 130889

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.0

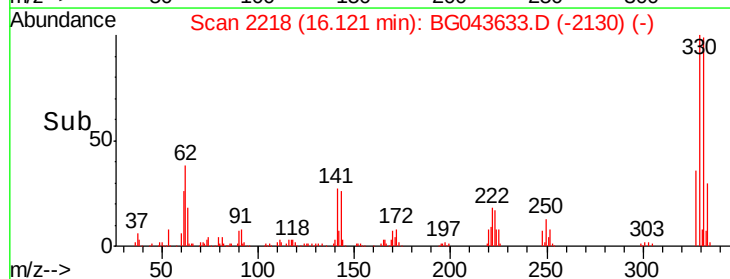
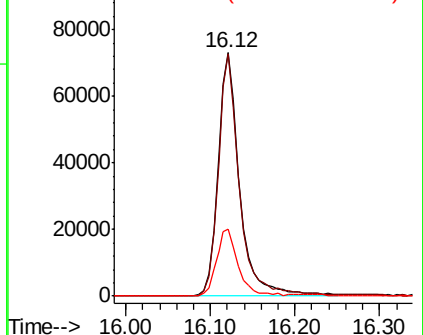
141 27.6 22.8 34.2

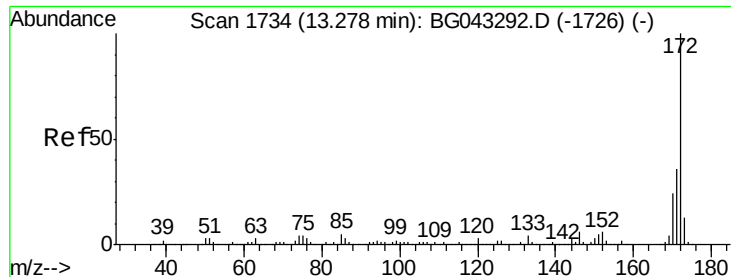


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

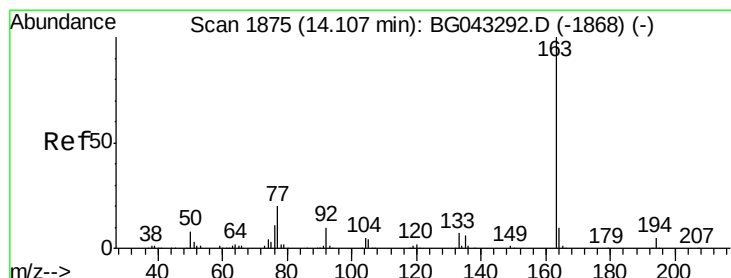
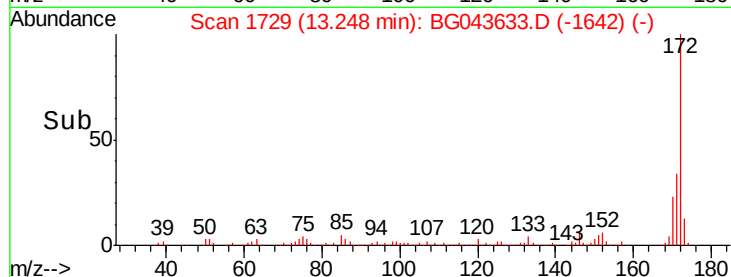
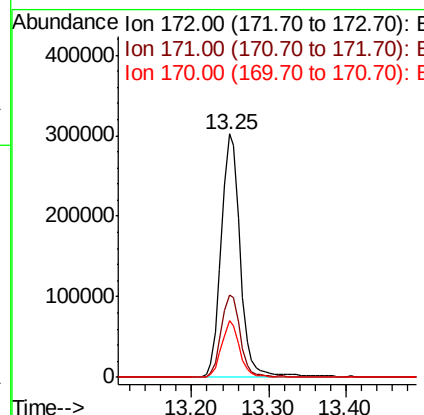
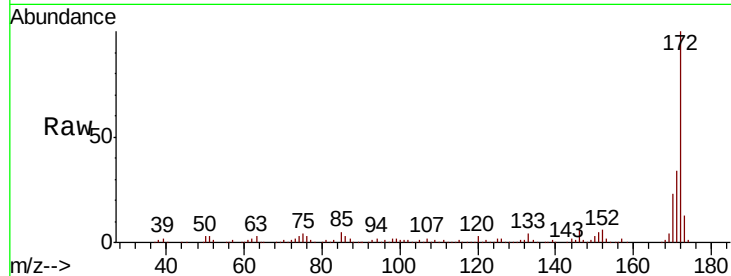




#45
2-Fluorobiphenyl
Concen: 81.856 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.02 min
Lab File: BG043633.D
Acq: 14 Nov 2019 14:39

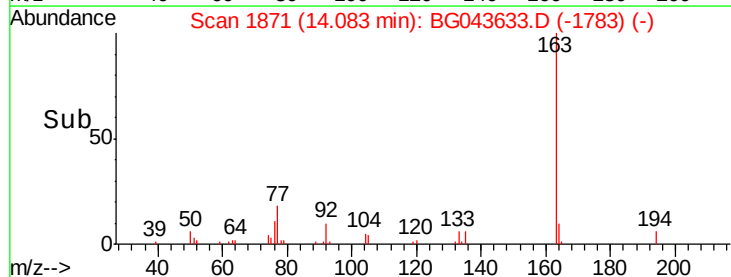
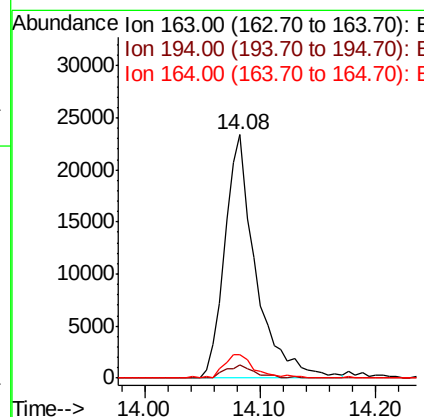
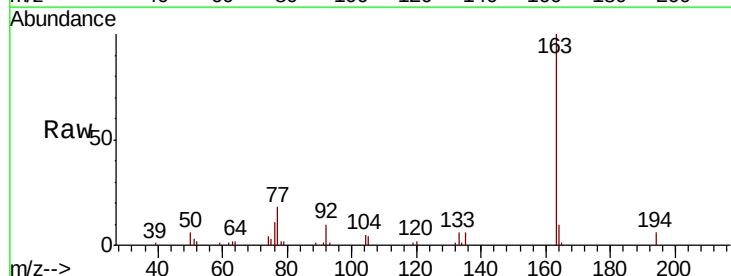
Instrument :
BNA_G
ClientSampleId :
HP-640-EB

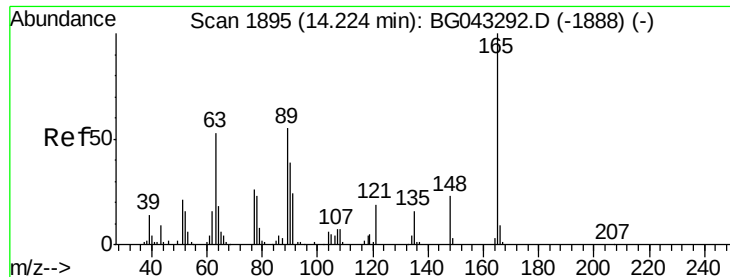
Tot Ion:172 Resp: 519360
Ion Ratio Lower Upper
172 100
171 33.8 28.9 43.3
170 23.1 18.5 27.7



#50
Dimethylphthalate
Concen: 6.389 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG043633.D
Acq: 14 Nov 2019 14:39

Tgt Ion:163 Resp: 43388
Ion Ratio Lower Upper
163 100
194 5.7 3.8 5.6#
164 9.6 8.9 13.3





#51

2,6-Dinitrotoluene

Concen: 7.587 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.41 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

Instrument :

BNA_G

ClientSampleId :

HP-640-EB

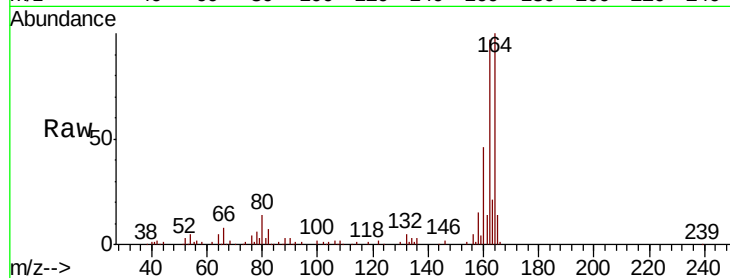
Tot Ion:165 Resp: 11193

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

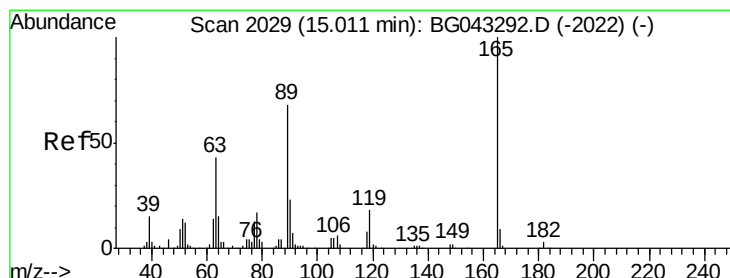
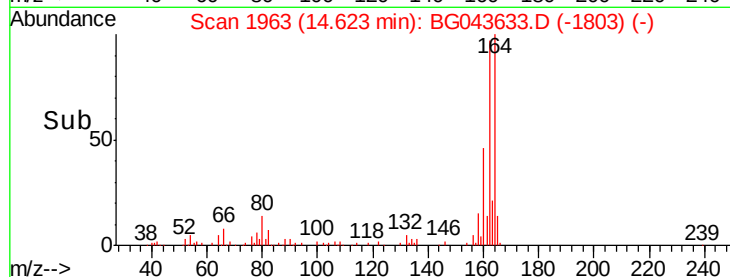
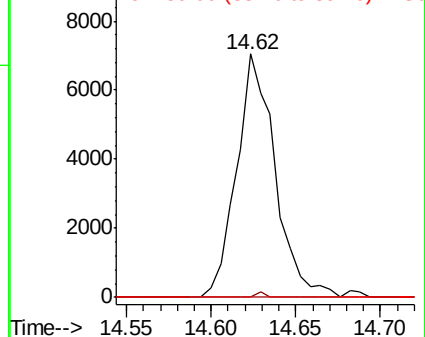
89 0.0 45.1 67.7#



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: 5.309 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.38 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

Tgt Ion:165 Resp: 11193

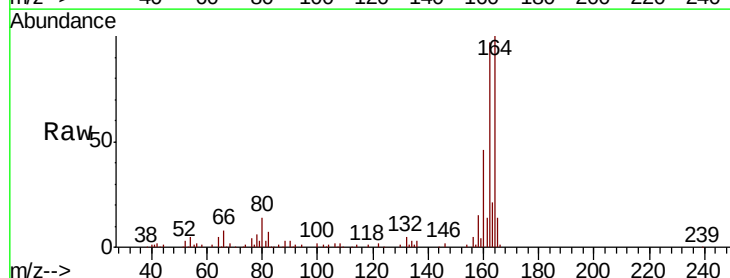
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

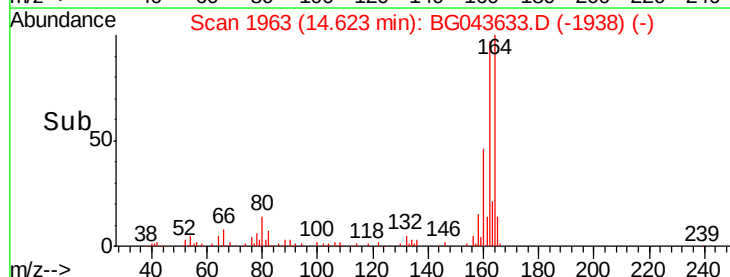
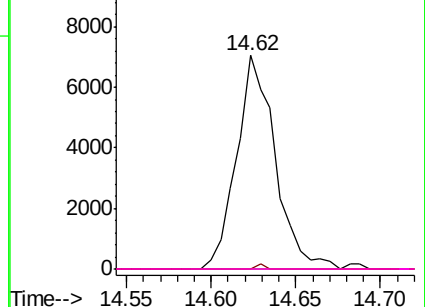


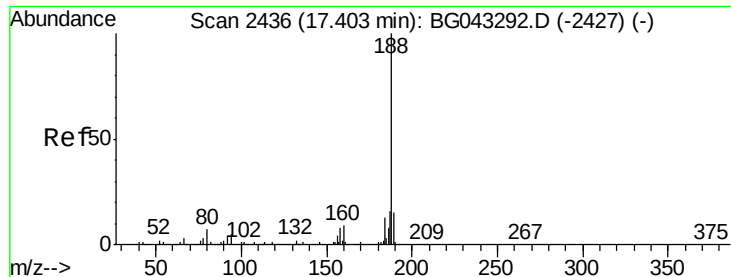
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2431

Delta R.T. -0.02 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

Instrument :

BNA_G

ClientSampleId :

HP-640-EB

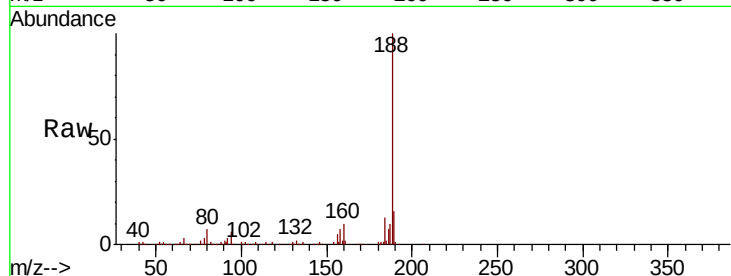
Tot Ion:188 Resp: 217191

Ion Ratio Lower Upper

188 100

94 5.7 4.2 6.4

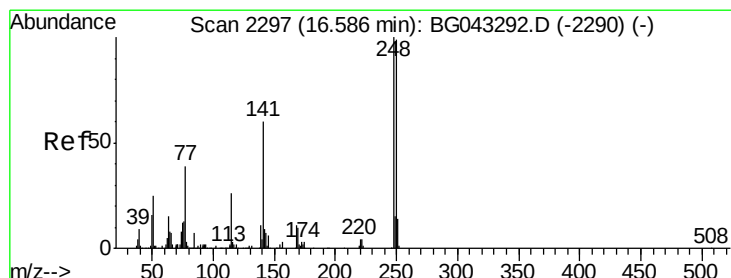
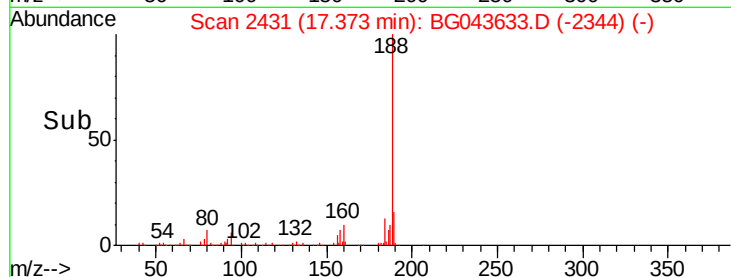
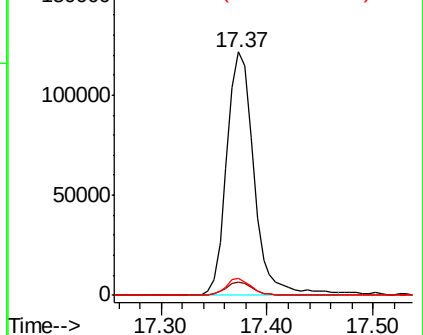
80 7.2 4.5 6.7#



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: 2.739 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

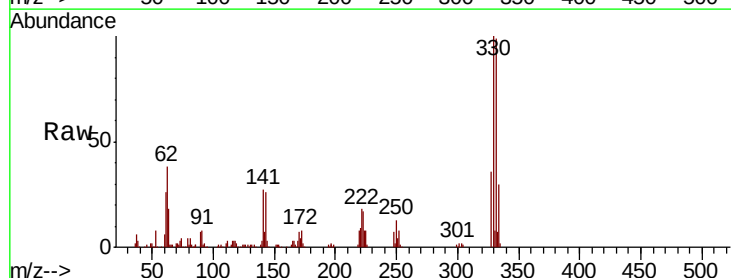
Tgt Ion:248 Resp: 8005

Ion Ratio Lower Upper

248 100

250 190.9 77.0 115.4#

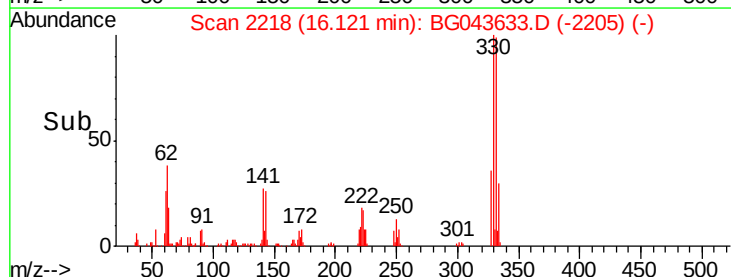
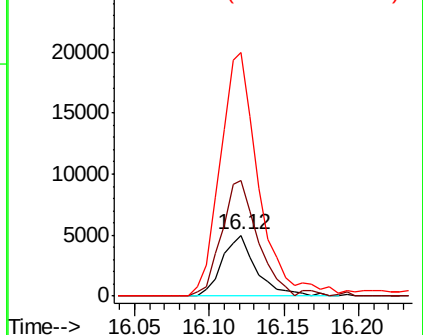
141 400.0 47.5 71.3#

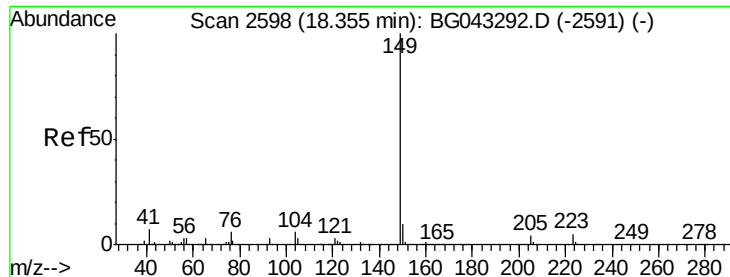


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: 2.181 ng

RT: 18.33 min Scan# 2594

Delta R.T. -0.01 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

Instrument :

BNA_G

ClientSampleId :

HP-640-EB

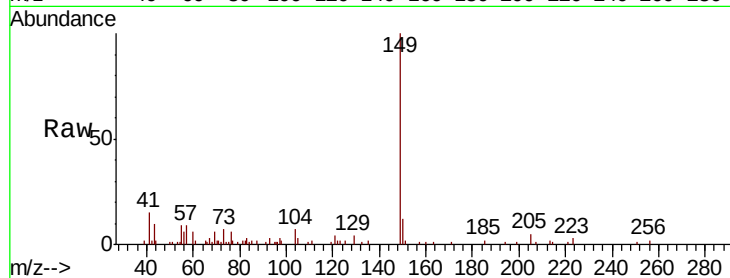
Tot Ion:149 Resp: 26665

Ion Ratio Lower Upper

149 100

150 11.8 8.0 12.0

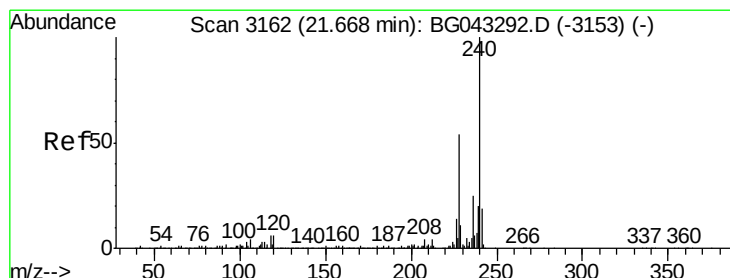
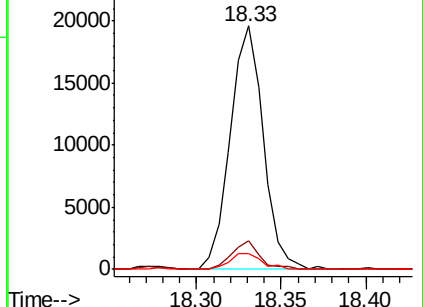
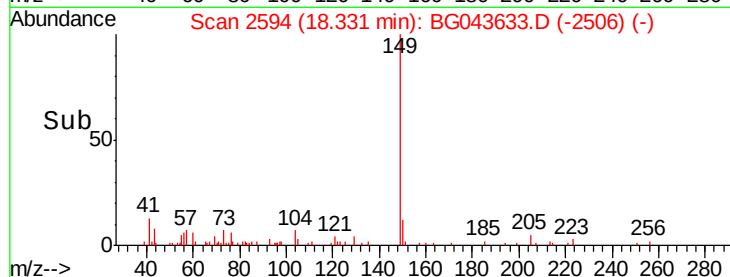
104 6.7 4.4 6.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

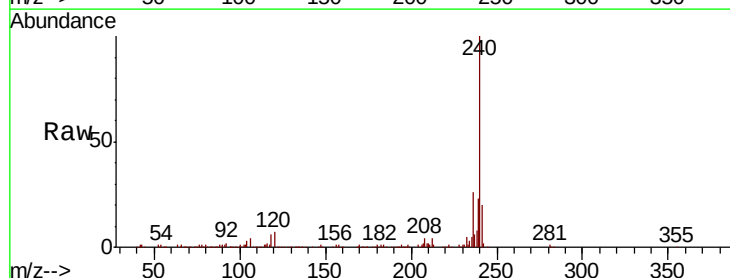
Tgt Ion:240 Resp: 235854

Ion Ratio Lower Upper

240 100

120 6.7 4.6 6.8

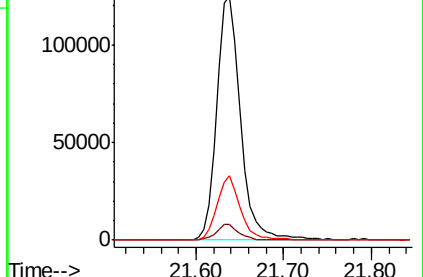
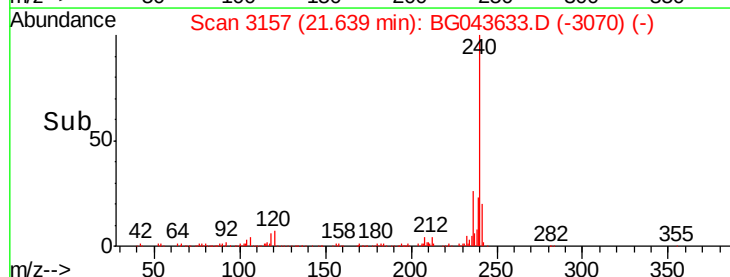
236 26.4 19.8 29.8

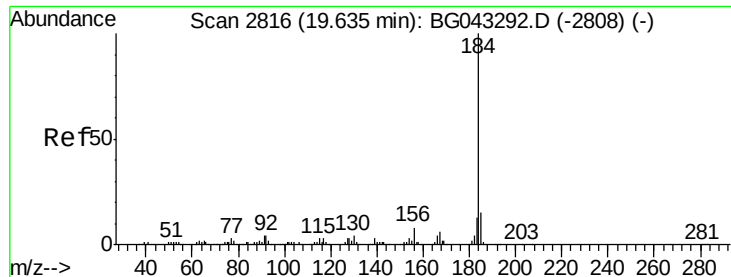


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.343 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.36 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

Instrument :

BNA_G

ClientSampleId :

HP-640-EB

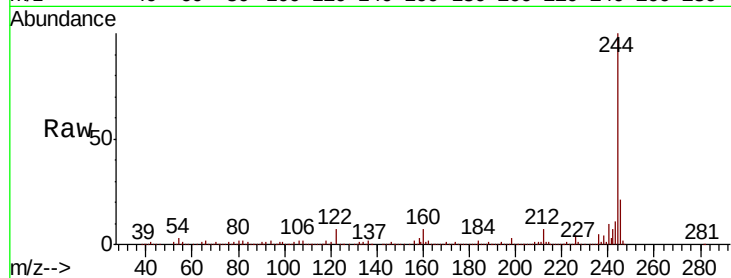
Tot Ion:184 Resp: 15870

Ion Ratio Lower Upper

184 100

185 17.8 11.0 16.4#

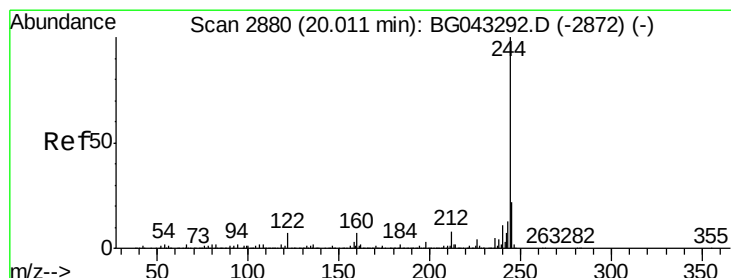
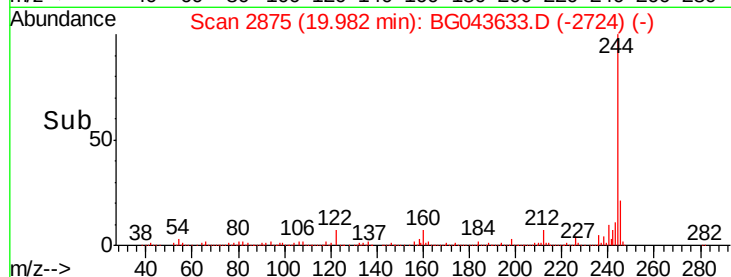
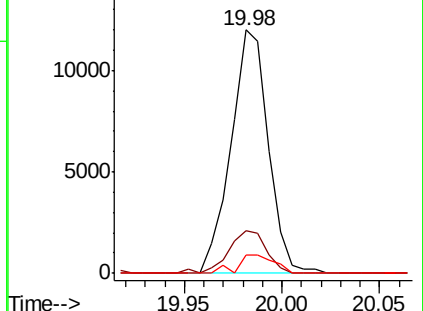
183 7.4 10.0 15.0#



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: 83.116 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043633.D

Acq: 14 Nov 2019 14:39

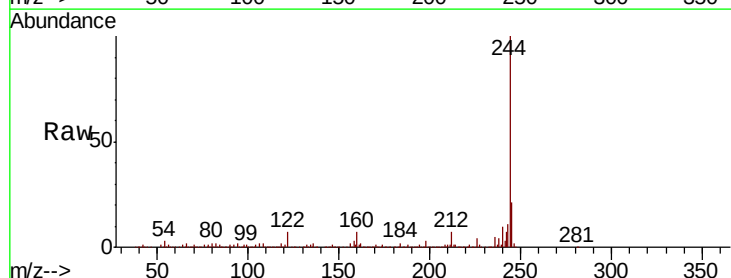
Tgt Ion:244 Resp: 1044912

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

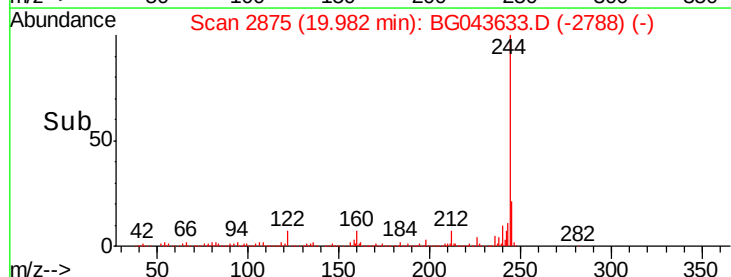
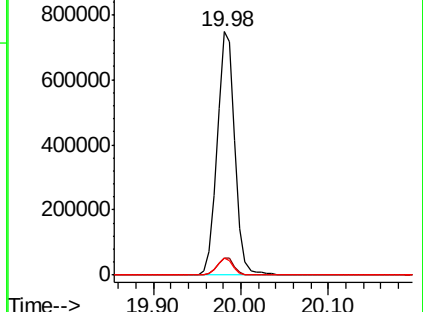
122 7.1 5.4 8.2

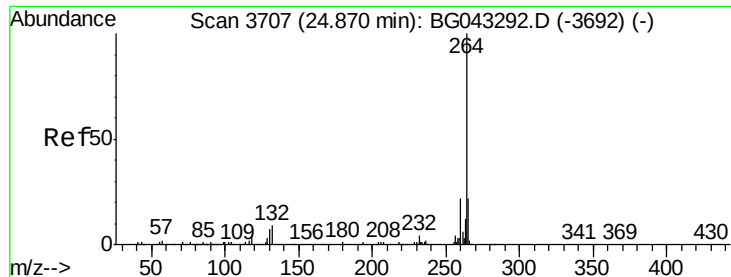


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.82 min Scan# 3698
 Delta R.T. -0.04 min
 Lab File: BG043633.D
 Acq: 14 Nov 2019 14:39

Instrument :
 BNA_G
 ClientSampleId :
 HP-640-EB

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.5	26.3
265	20.4	17.4	26.0

