

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043457.D
 Acq On : 1 Nov 2019 7:22
 Operator : JU
 Sample : K5138-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 08:00:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	42106	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	142320	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	112827	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	275872	20.00	ng	0.00
76) Chrysene-d12	21.66	240	291965	20.00	ng	0.00
87) Perylene-d12	24.86	264	347454	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	301535	131.23	ng	0.00
7) Phenol-d6	7.21	99	410636	124.21	ng	0.00
23) Nitrobenzene-d5	9.18	82	251719	91.18	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	286456	133.42	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	690506	84.57	ng	0.00
79) Terphenyl-d14	20.00	244	1446421	92.94	ng	0.00

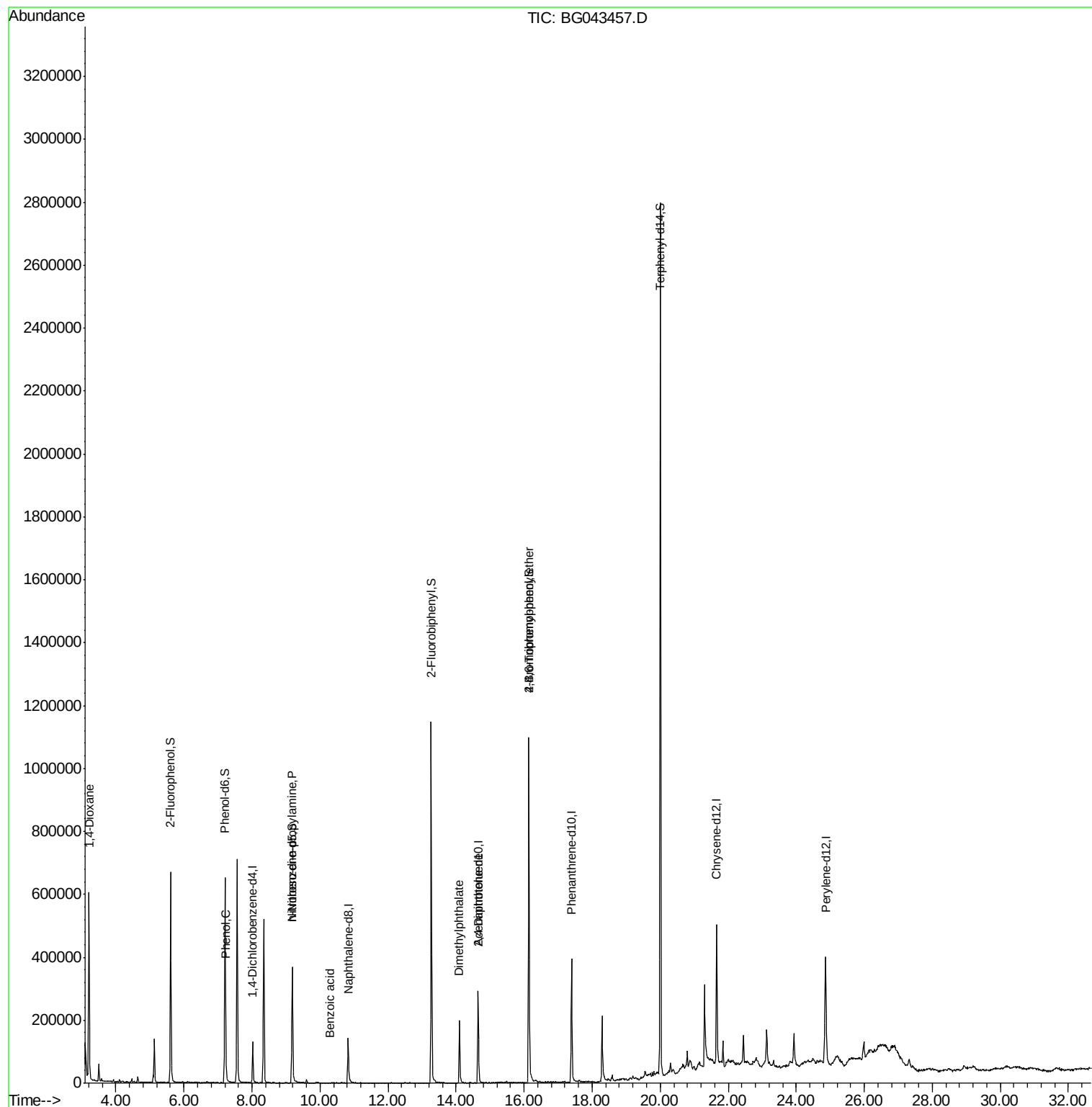
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	6951	7.763	ng	# 1
10) Phenol	7.23	94	17797	5.891	ng	# 75
19) n-Nitroso-di-n-propylamine	9.19	70	35378	16.561	ng	# 71
32) Benzoic acid	10.30	122	69	9.089	ng	# 1
50) Dimethylphthalate	14.10	163	153207	17.531	ng	97
57) 2,4-Dinitrotoluene	14.64	165	14849	5.473	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	18328	4.937	ng	# 1

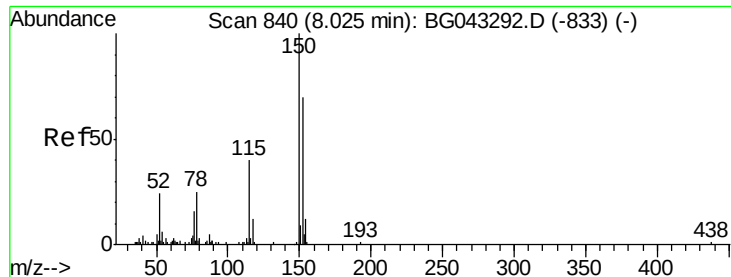
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BG043457.D

Acq: 1 Nov 2019 7:22

Instrument :

BNA_G

ClientSampled :

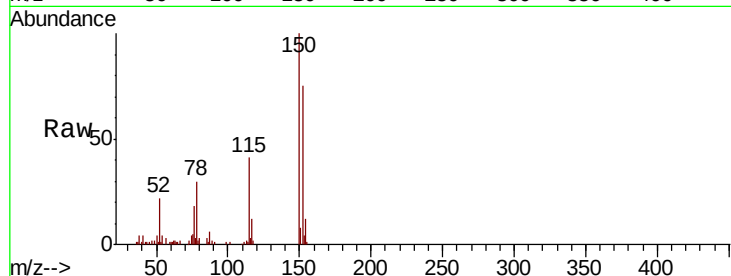
Tot Ion:152 Resp: 42106

Ion Ratio Lower Upper

152 100

150 134.2 113.6 170.4

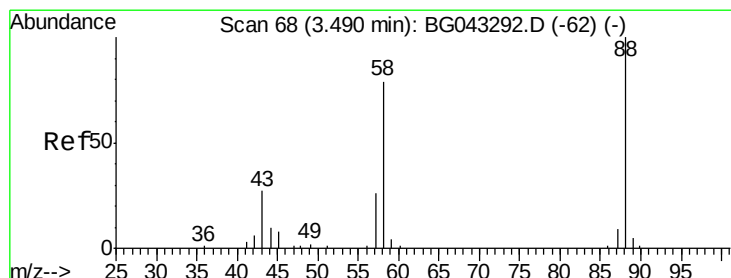
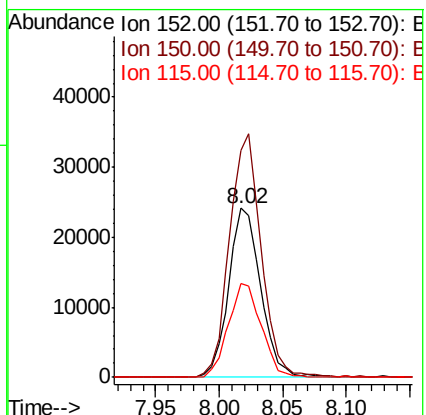
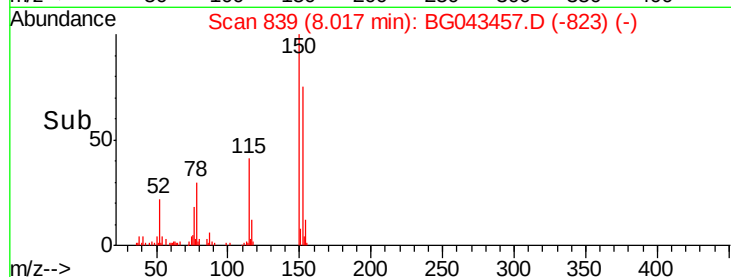
115 55.3 45.9 68.9



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: 7.763 ng

RT: 3.21 min Scan# 21

Delta R.T. -0.28 min

Lab File: BG043457.D

Acq: 1 Nov 2019 7:22

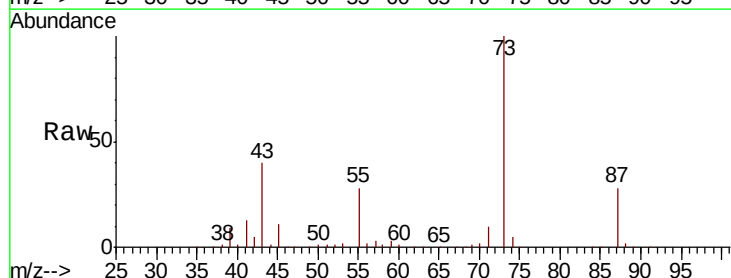
Tgt Ion: 88 Resp: 6951

Ion Ratio Lower Upper

88 100

58 44.7 60.2 90.2#

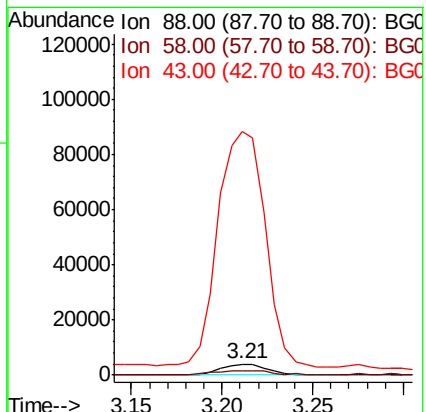
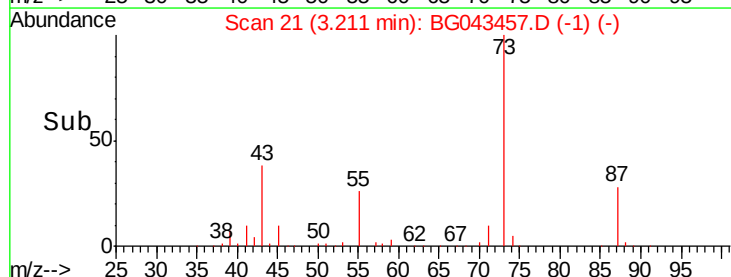
43 2228.8 22.7 34.1#

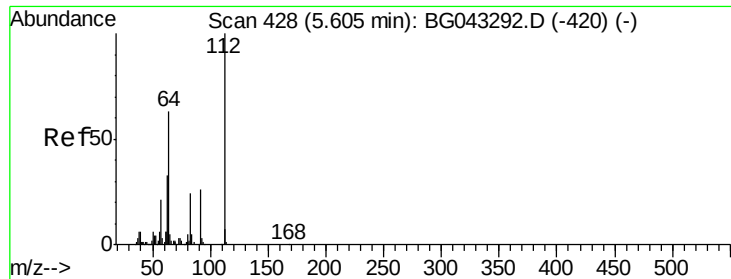


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 131.228 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043457.D

Acq: 1 Nov 2019 7:22

Instrument :

BNA_G

ClientSampleId :

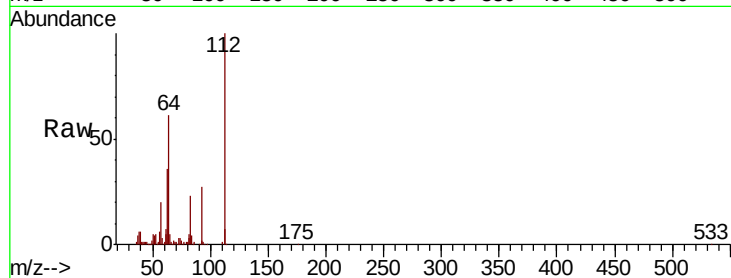
Tot Ion:112 Resp: 301535

Ion Ratio Lower Upper

112 100

64 61.2 50.2 75.2

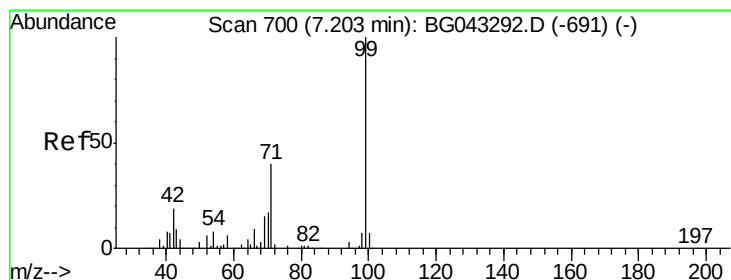
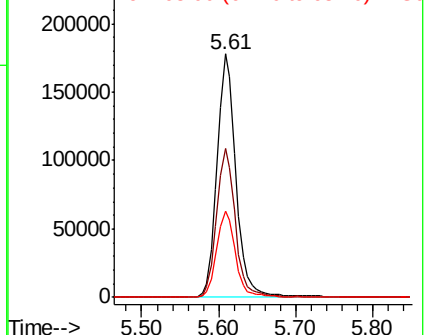
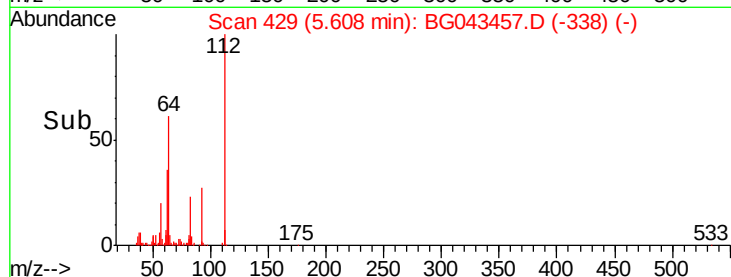
63 35.6 26.7 40.1



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: 124.210 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043457.D

Acq: 1 Nov 2019 7:22

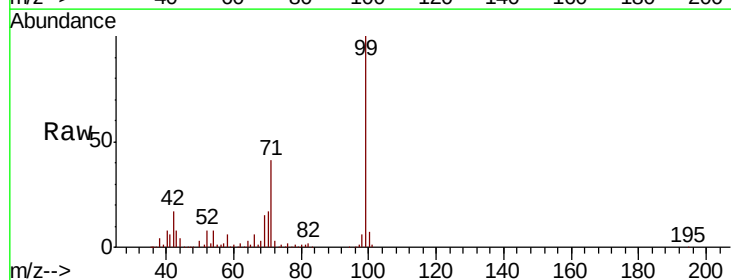
Tgt Ion: 99 Resp: 410636

Ion Ratio Lower Upper

99 100

42 17.4 14.9 22.3

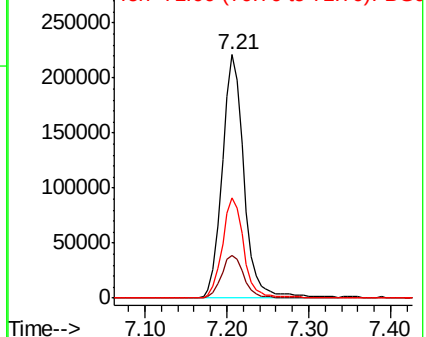
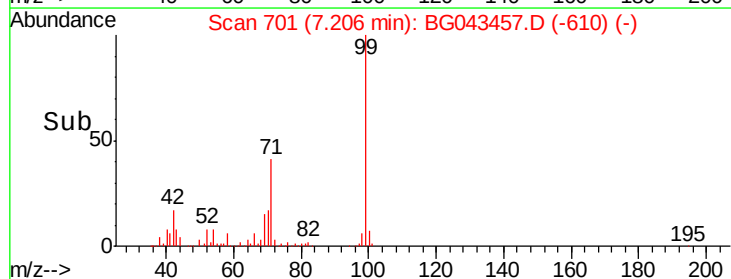
71 41.1 32.2 48.2

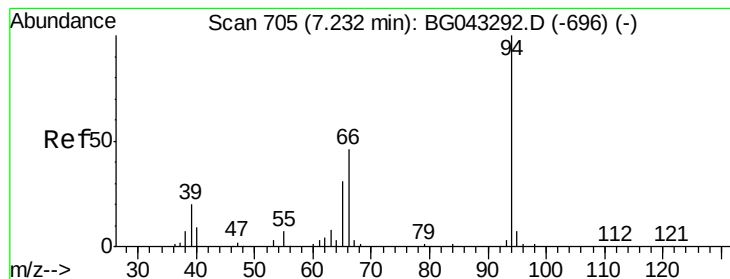


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 5.891 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043457.D

Acq: 1 Nov 2019 7:22

Instrument :

BNA_G

ClientSampleId :

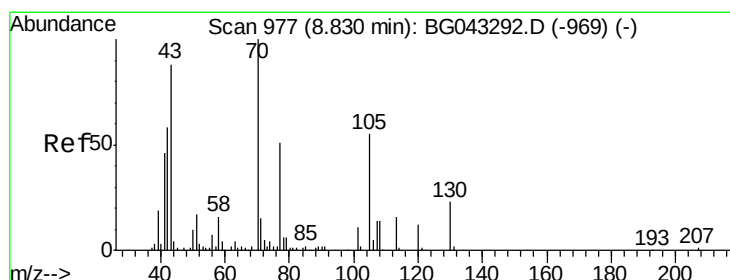
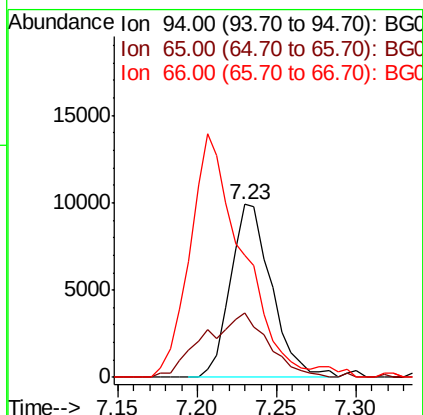
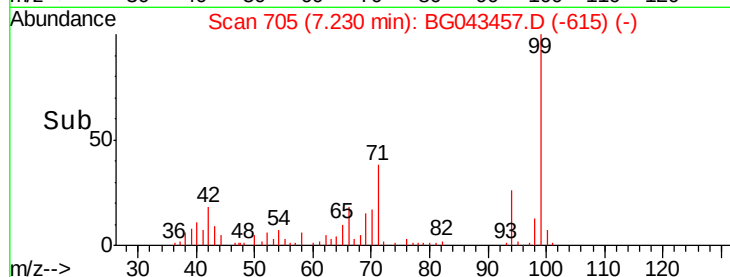
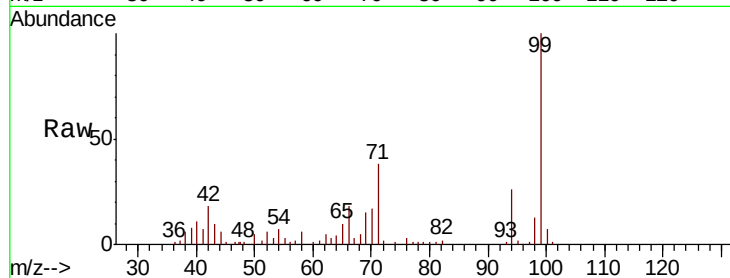
Tot Ion: 94 Resp: 17797

Ion Ratio Lower Upper

94 100

65 37.2 11.1 51.1

66 70.7 27.8 67.8#



#19

n-Nitroso-di-n-propylamine

Concen: 16.561 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043457.D

Acq: 1 Nov 2019 7:22

Tgt Ion: 70 Resp: 35378

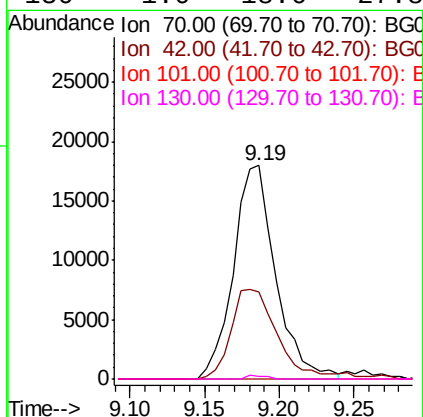
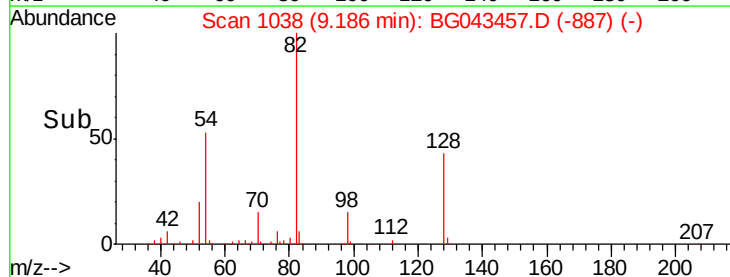
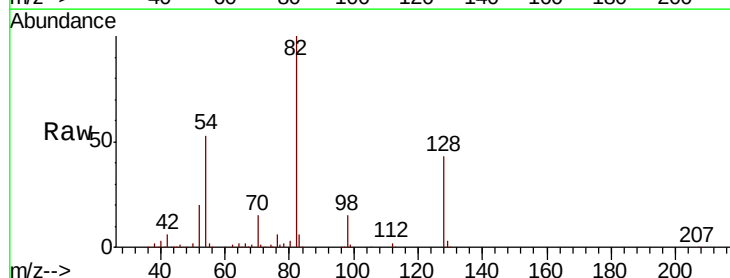
Ion Ratio Lower Upper

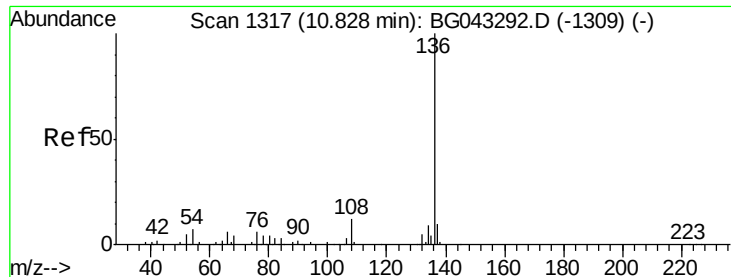
70 100

42 40.7 46.2 69.2#

101 0.0 8.6 13.0#

130 1.0 18.6 27.8#

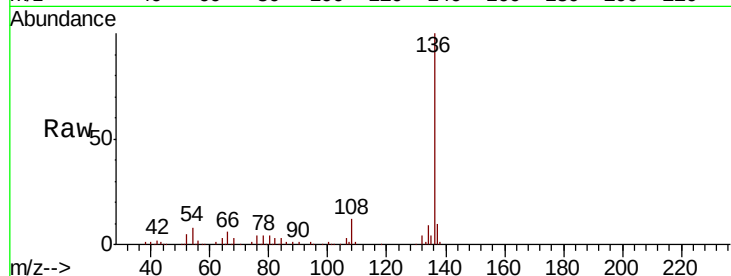




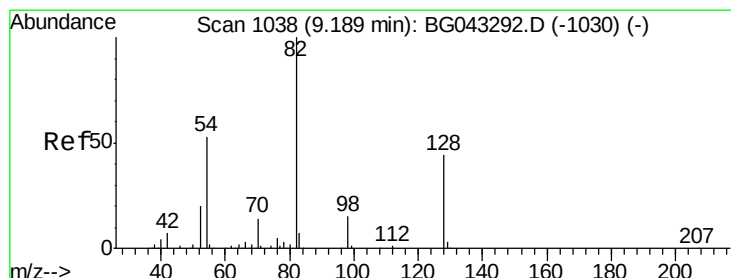
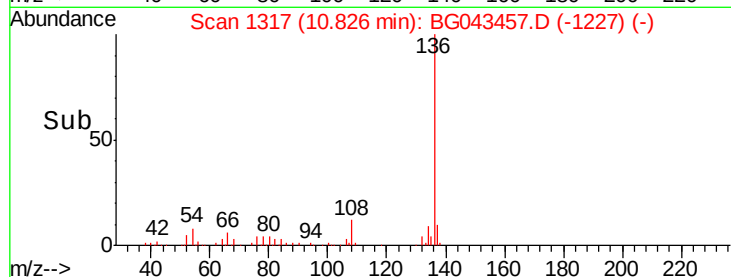
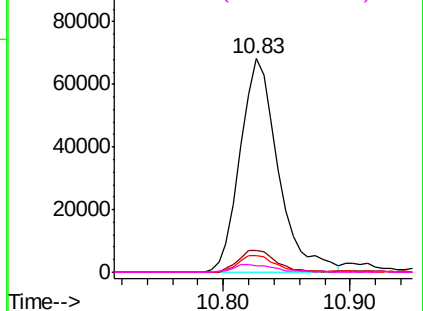
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043457.D
Acq: 1 Nov 2019 7:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	142320
Ion Ratio	Lower	Upper
136	100	
137	10.0	8.2 12.2
54	7.8	5.4 8.2
68	2.9	3.3 4.9

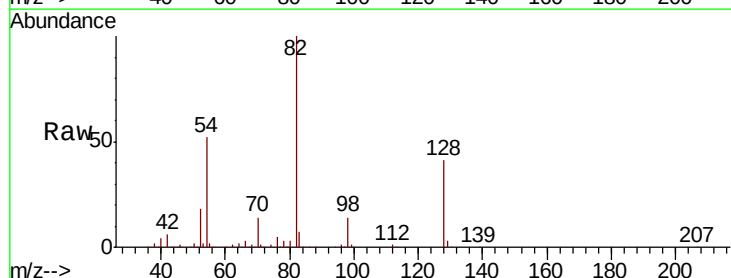


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

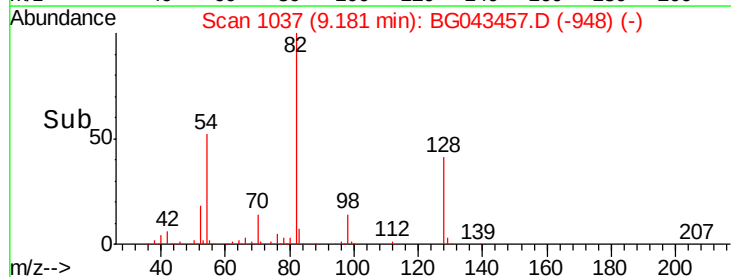
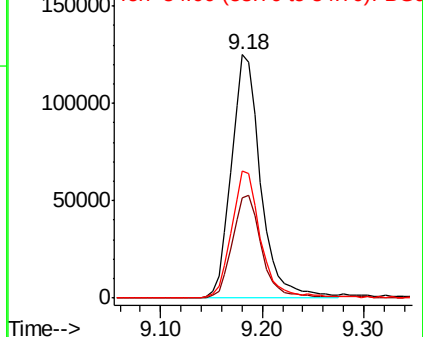


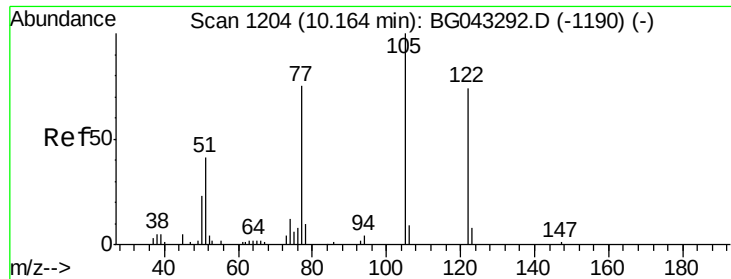
#23
Nitrobenzene-d5
Concen: 91.184 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG043457.D
Acq: 1 Nov 2019 7:22

Tgt Ion: 82	Resp:	251719
Ion Ratio	Lower	Upper
82	100	
128	41.1	35.3 52.9
54	52.2	42.3 63.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

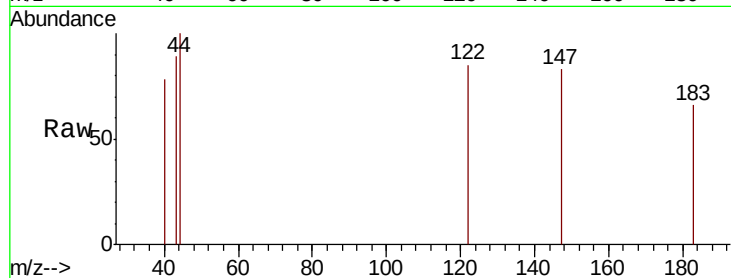




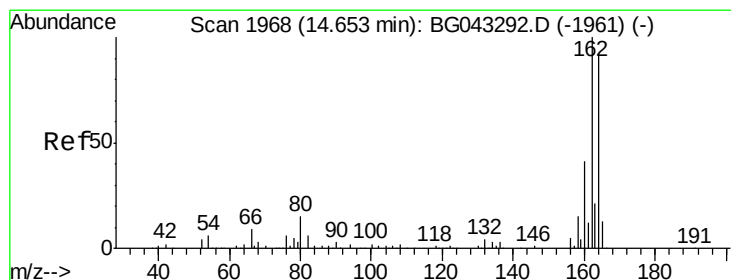
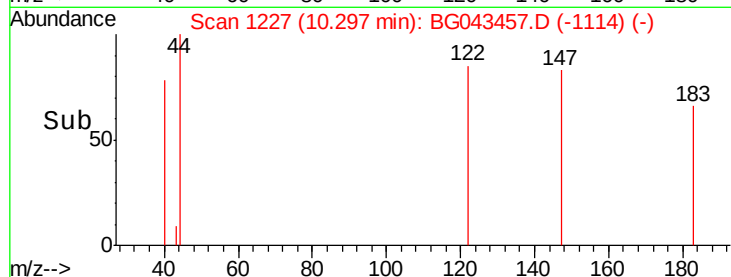
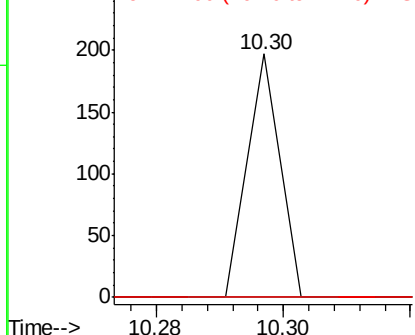
#32
Benzoic acid
Concen: 9.089 ng
RT: 10.30 min Scan# 1227
Delta R.T. 0.13 min
Lab File: BG043457.D
Acq: 1 Nov 2019 7:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 69
Ion Ratio Lower Upper
122 100
105 0.0 112.4 152.4#
77 0.0 82.7 122.7#

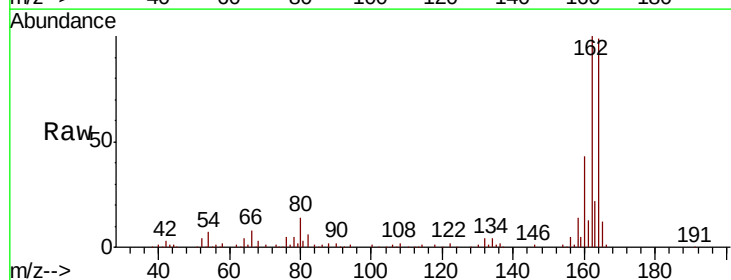


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

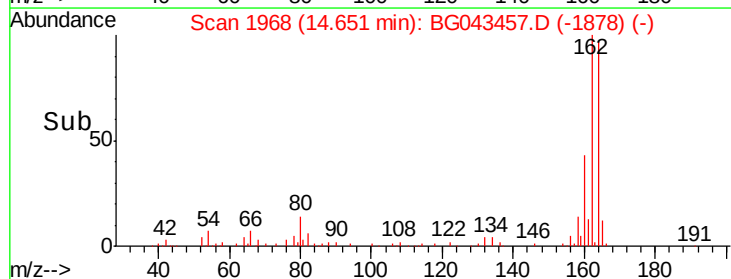
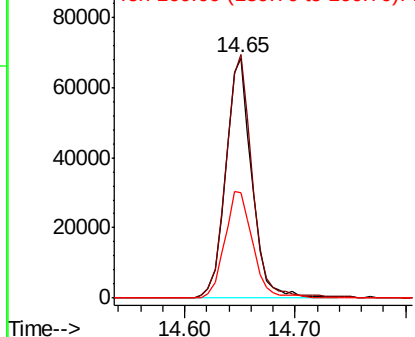


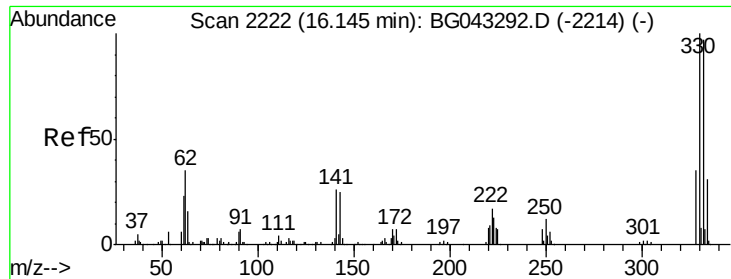
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043457.D
Acq: 1 Nov 2019 7:22

Tgt Ion:164 Resp: 112827
Ion Ratio Lower Upper
164 100
162 101.3 87.0 130.4
160 44.0 35.5 53.3



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

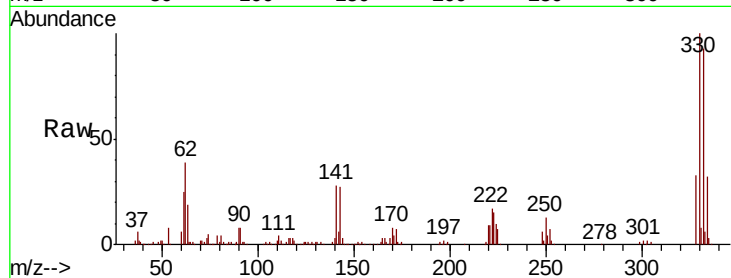




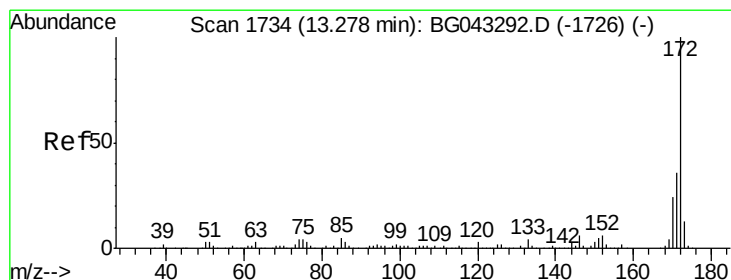
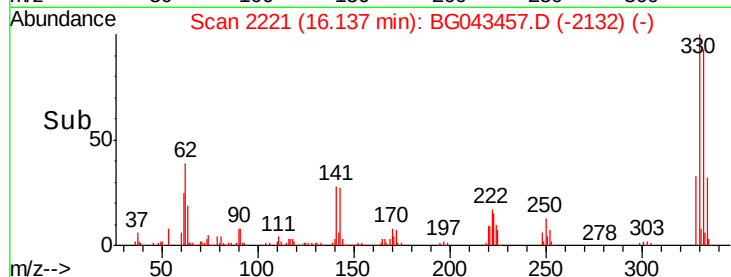
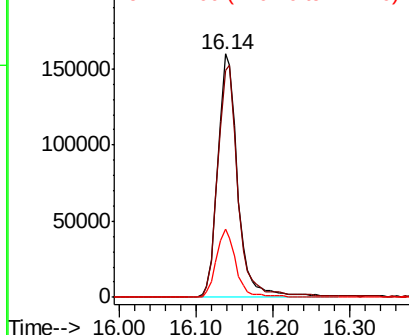
#42
 2,4,6-Tribromophenol
 Concen: 133.415 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043457.D
 Acq: 1 Nov 2019 7:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.4	114.6
141	27.6	21.4	32.0

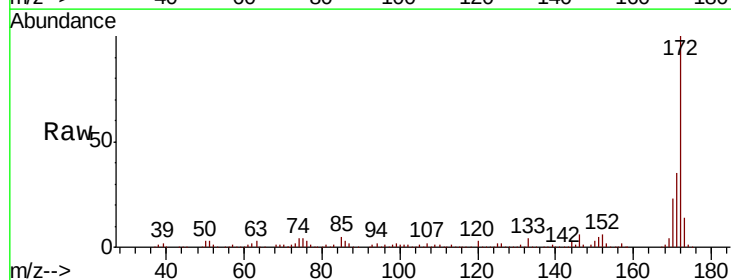


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

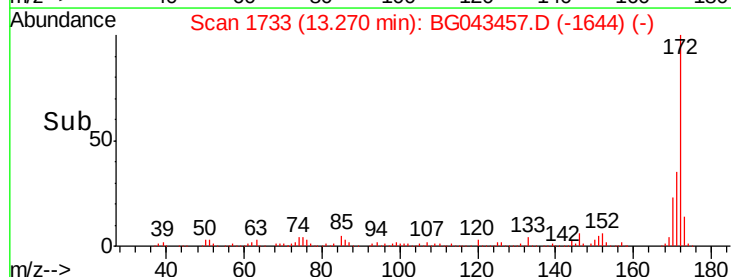
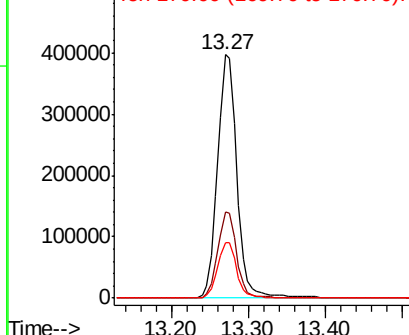


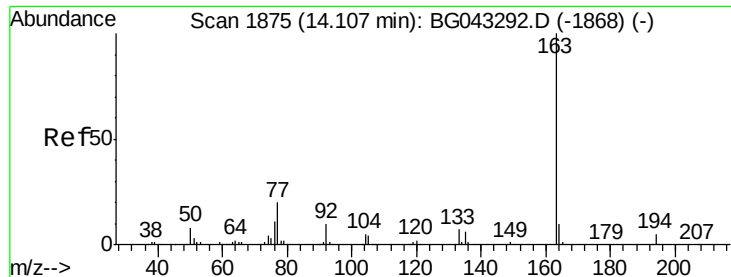
#45
 2-Fluorobiphenyl
 Concen: 84.567 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043457.D
 Acq: 1 Nov 2019 7:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	22.7	18.8	28.2



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

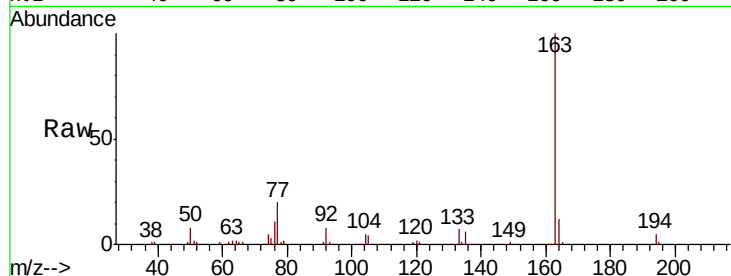




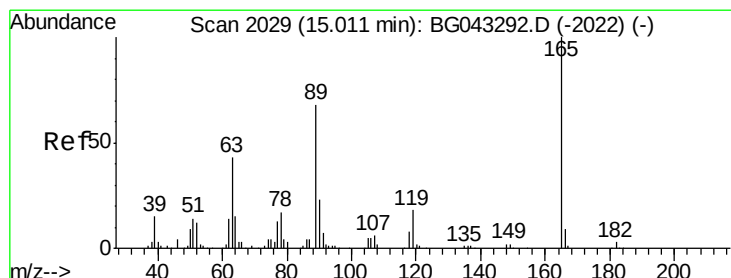
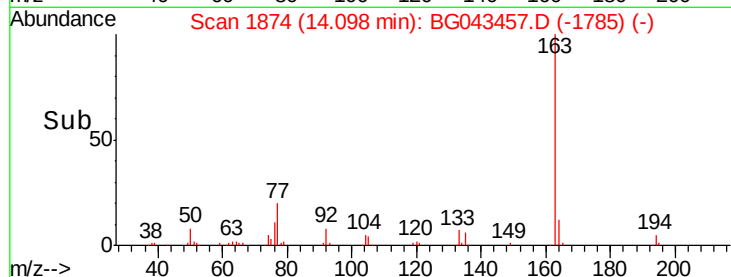
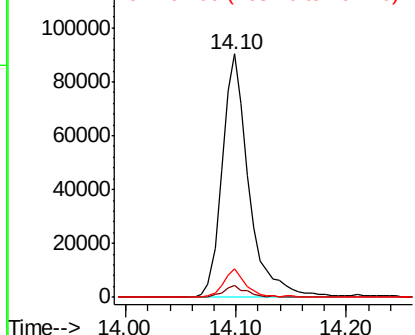
#50
Dimethylphthalate
Concen: 17.531 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043457.D
Acq: 1 Nov 2019 7:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 153207
Ion Ratio Lower Upper
163 100
194 4.7 3.7 5.5
164 11.6 8.1 12.1

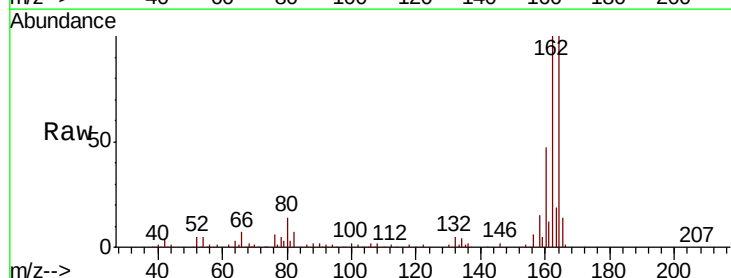


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

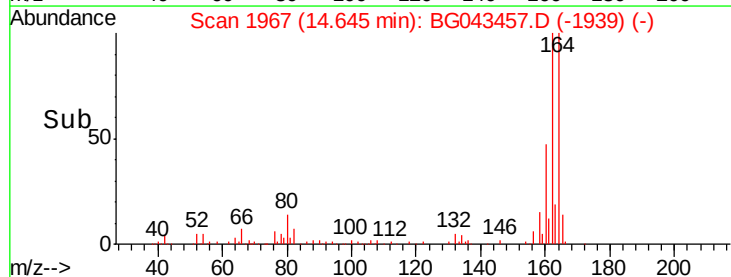
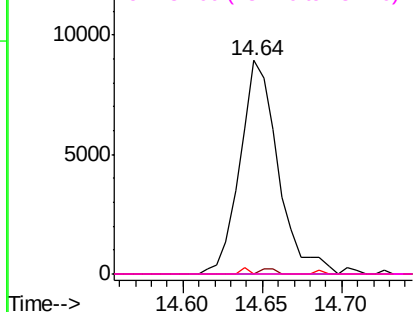


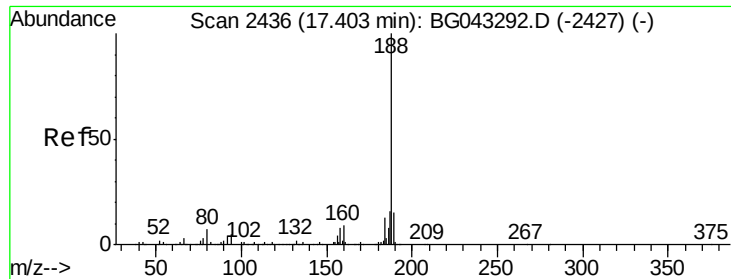
#57
2,4-Dinitrotoluene
Concen: 5.473 ng
RT: 14.64 min Scan# 1967
Delta R.T. -0.37 min
Lab File: BG043457.D
Acq: 1 Nov 2019 7:22

Tgt Ion:165 Resp: 14849
Ion Ratio Lower Upper
165 100
63 0.0 35.0 52.6#
89 0.0 54.1 81.1#
182 0.0 2.2 3.2#



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: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043457.D

Acq: 1 Nov 2019 7:22

Instrument :

BNA_G

ClientSampleId :

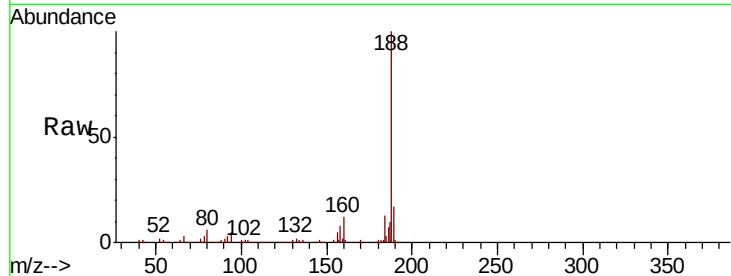
Tot Ion:188 Resp: 275872

Ion Ratio Lower Upper

188 100

94 5.4 4.2 6.2

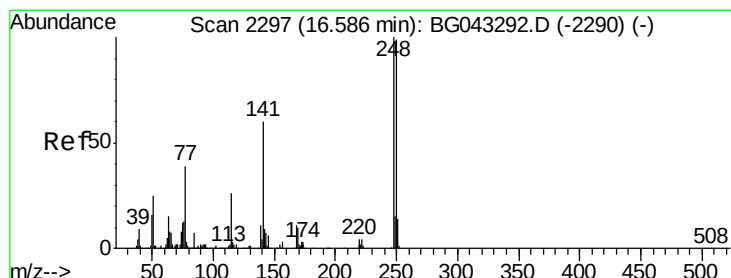
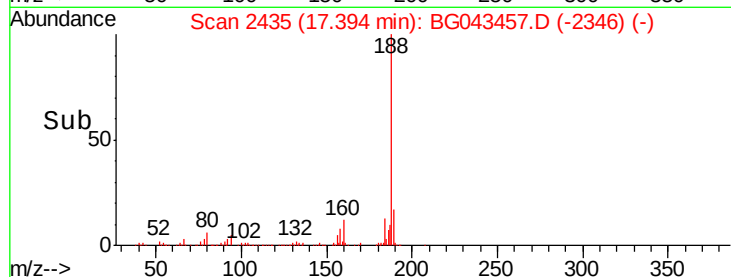
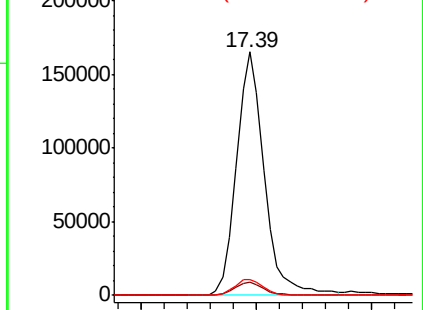
80 6.4 5.2 7.8



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



#67

4-Bromophenyl-phenylether

Concen: 4.937 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG043457.D

Acq: 1 Nov 2019 7:22

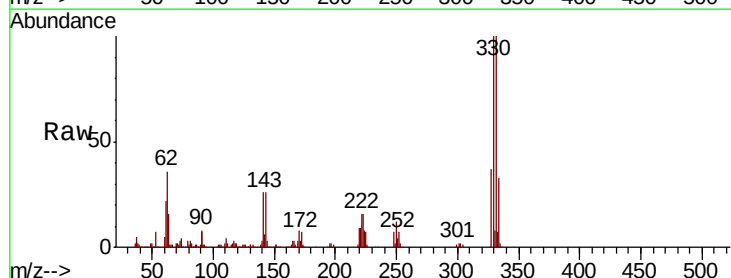
Tgt Ion:248 Resp: 18328

Ion Ratio Lower Upper

248 100

250 171.0 79.3 118.9#

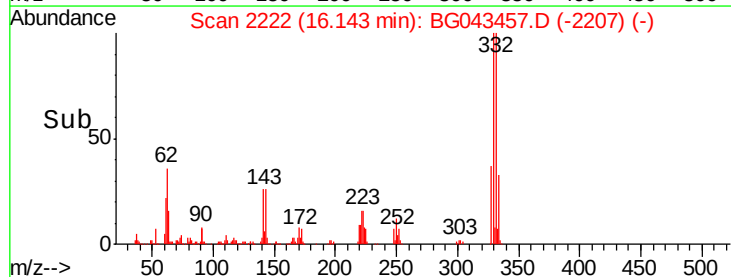
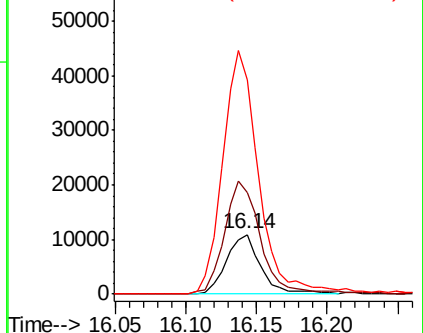
141 360.5 47.9 71.9#

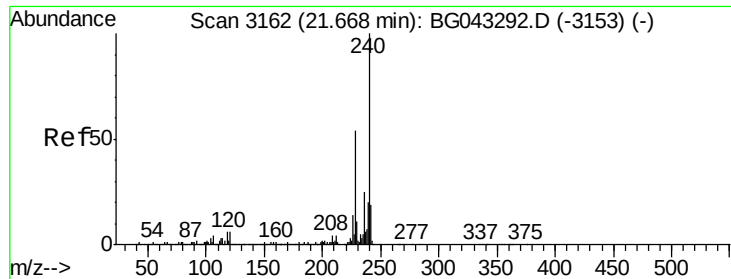


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

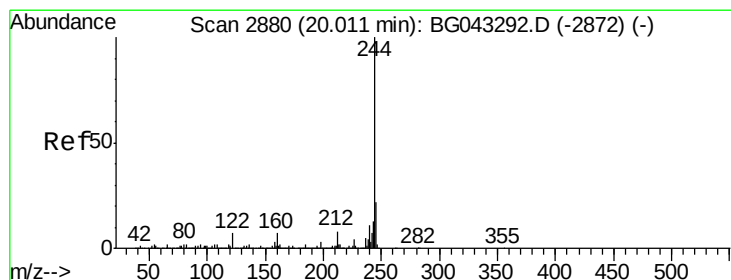
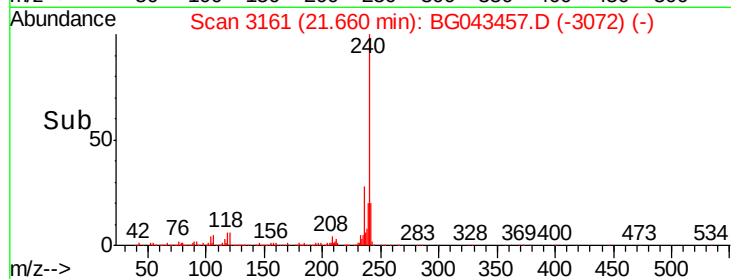
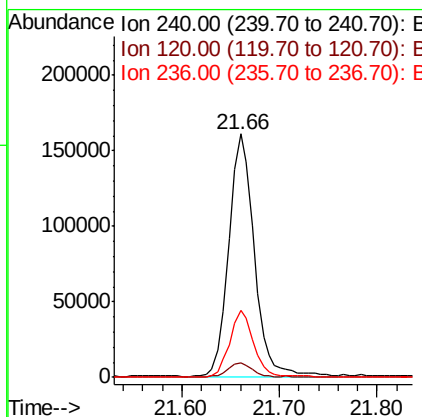
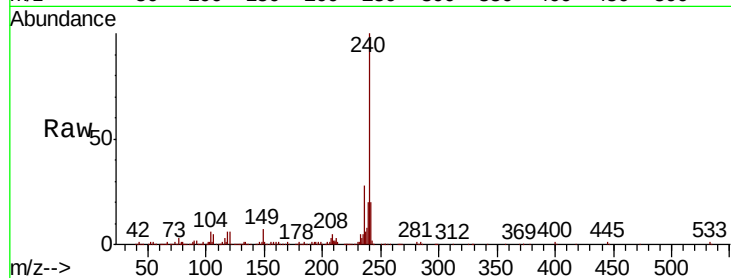




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043457.D
Acq: 1 Nov 2019 7:22

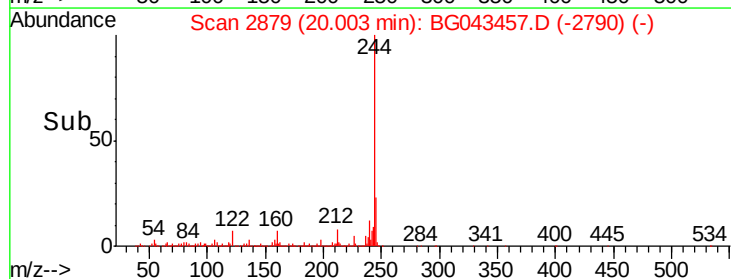
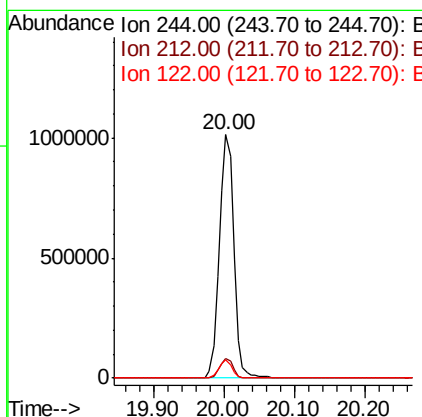
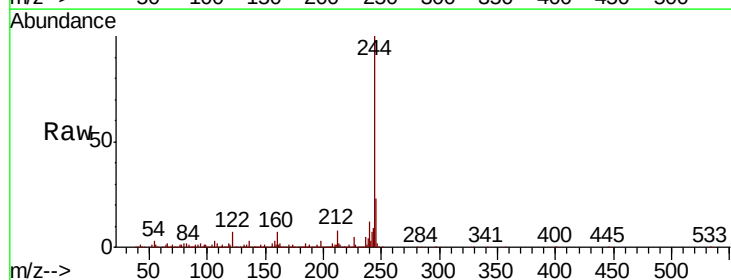
Instrument :
BNA_G
ClientSampleId :

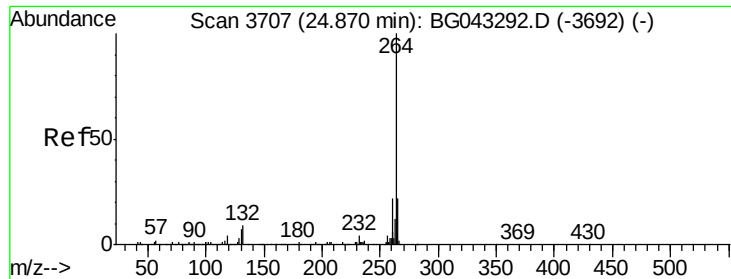
Tot Ion:240 Resp: 291965
Ion Ratio Lower Upper
240 100
120 5.8 4.6 7.0
236 27.7 20.2 30.4



#79
Terphenyl-d14
Concen: 92.942 ng
RT: 20.00 min Scan# 2879
Delta R.T. -0.01 min
Lab File: BG043457.D
Acq: 1 Nov 2019 7:22

Tgt Ion:244 Resp: 1446421
Ion Ratio Lower Upper
244 100
212 8.0 6.4 9.6
122 7.3 5.3 7.9





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG043457.D
Acq: 1 Nov 2019 7:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.9	26.9
265	22.5	17.4	26.2

