

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043420.D
 Acq On : 31 Oct 2019 3:50
 Operator : JU
 Sample : K5576-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 08:28:42 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	41833	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	144288	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	112334	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	267793	20.00	ng	0.00
76) Chrysene-d12	21.66	240	308394	20.00	ng	0.00
87) Perylene-d12	24.86	264	363367	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	287886	126.11	ng	0.00
7) Phenol-d6	7.21	99	385044	117.23	ng	0.00
23) Nitrobenzene-d5	9.19	82	237855	84.99	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	271049	126.79	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	659231	81.09	ng	0.00
79) Terphenyl-d14	20.00	244	1426733	86.79	ng	0.00

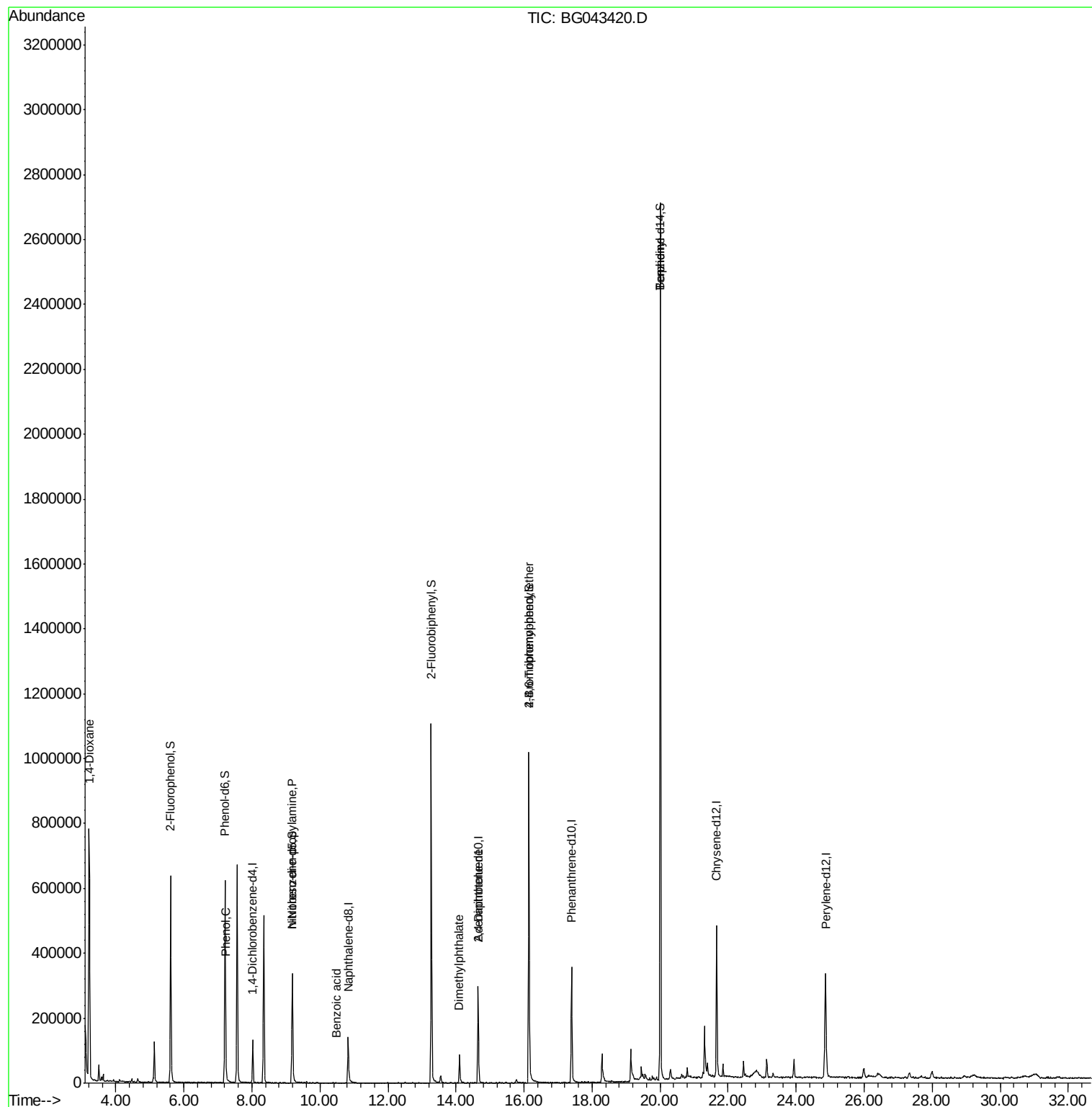
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	10321	11.601	ng	# 1
10) Phenol	7.23	94	8153	2.716	ng	# 55
19) n-Nitroso-di-n-propylamine	9.19	70	33487	15.778	ng	# 73
32) Benzoic acid	10.49	122	54	9.080	ng	# 1
50) Dimethylphthalate	14.10	163	72844	8.372	ng	99
57) 2,4-Dinitrotoluene	14.65	165	13922	5.154	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	17111	4.748	ng	# 1
77) Benzidine	20.00	184	20924	3.371	ng	# 93

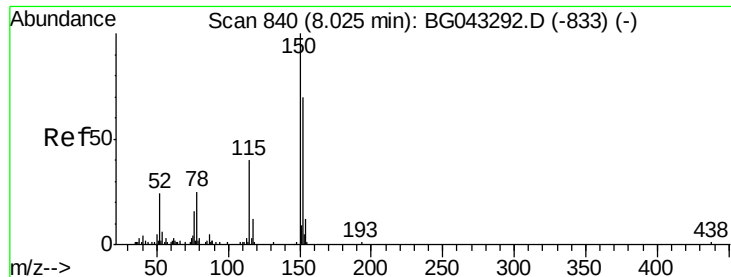
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

Instrument :

BNA_G

ClientSampleId :

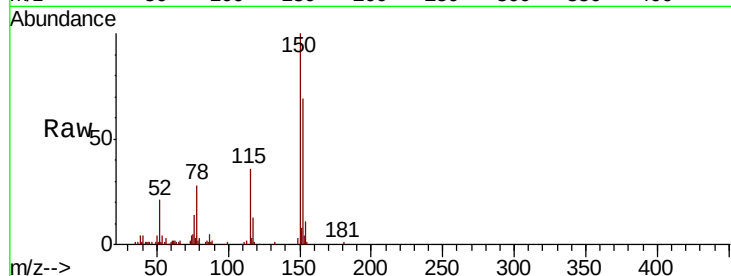
Tot Ion:152 Resp: 41833

Ion Ratio Lower Upper

152 100

150 144.5 113.6 170.4

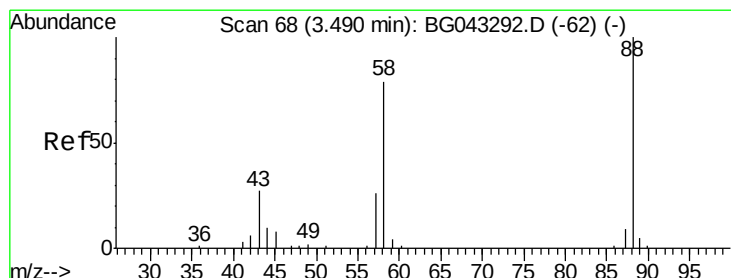
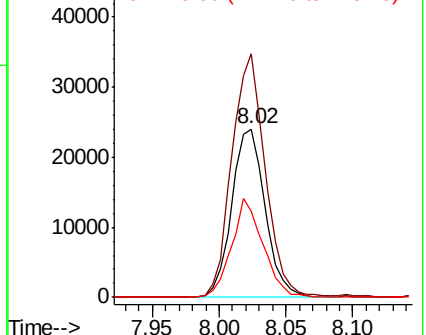
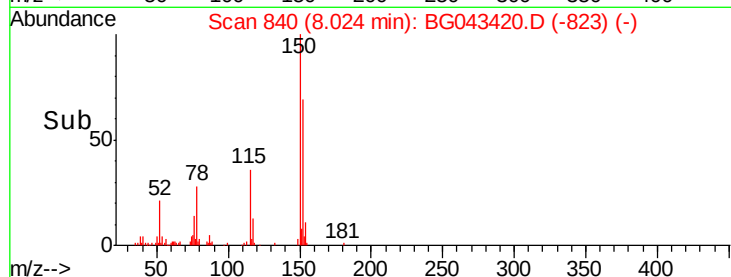
115 51.5 45.9 68.9



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: 11.601 ng

RT: 3.21 min Scan# 20

Delta R.T. -0.28 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

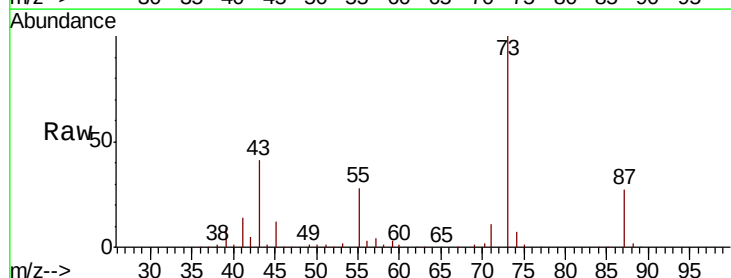
Tgt Ion: 88 Resp: 10321

Ion Ratio Lower Upper

88 100

58 39.8 60.2 90.2#

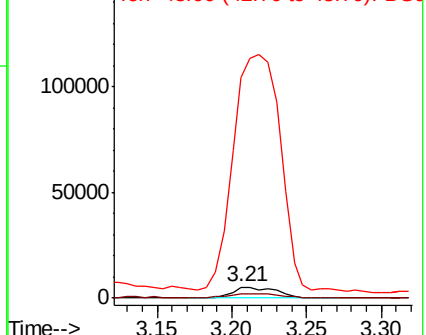
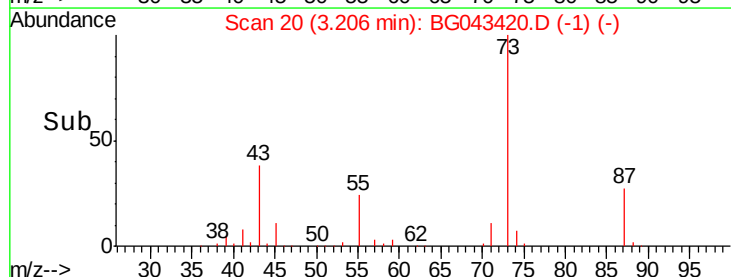
43 2425.9 22.7 34.1#

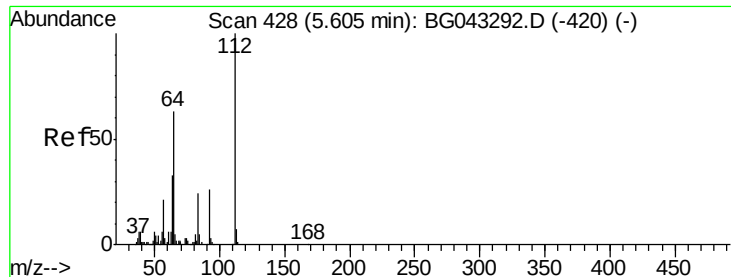


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 126.105 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

Instrument :

BNA_G

ClientSampleId :

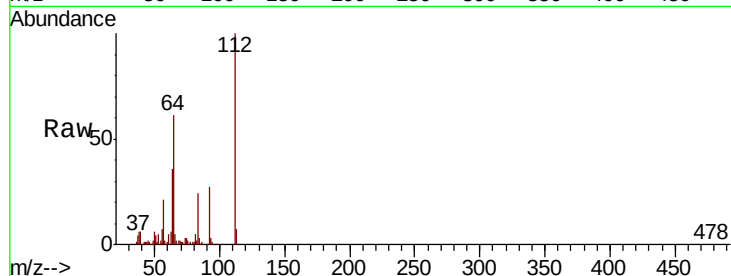
Tot Ion:112 Resp: 287886

Ion Ratio Lower Upper

112 100

64 60.8 50.2 75.2

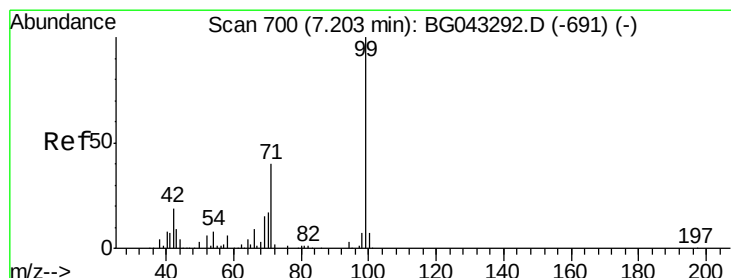
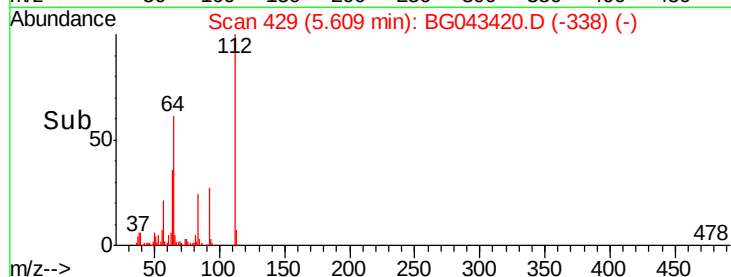
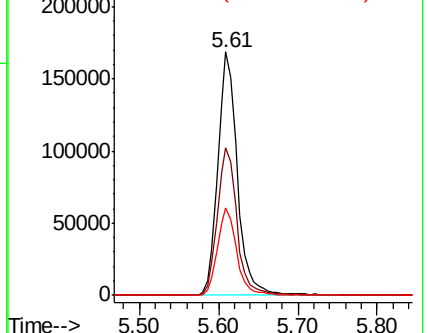
63 35.9 26.7 40.1



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: 117.228 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

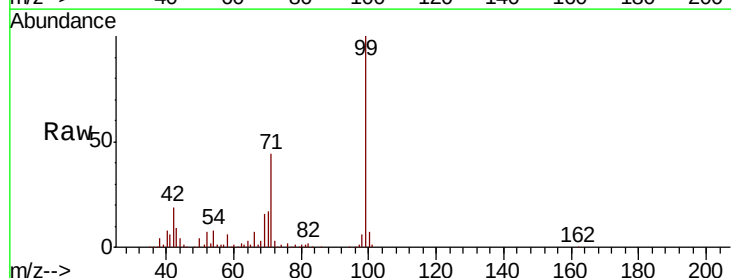
Tgt Ion: 99 Resp: 385044

Ion Ratio Lower Upper

99 100

42 18.8 14.9 22.3

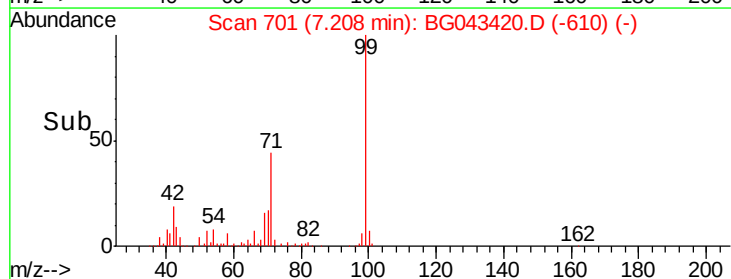
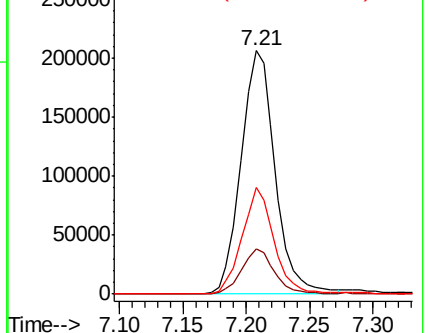
71 43.6 32.2 48.2

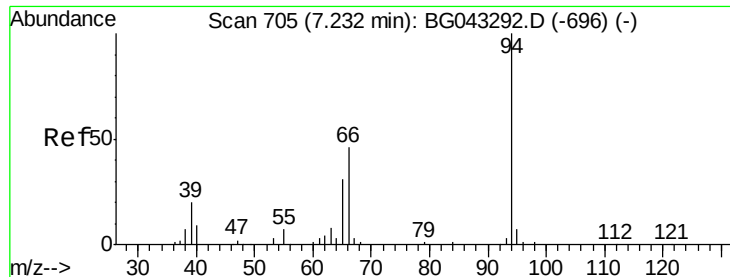


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.716 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

Instrument :

BNA_G

ClientSampleId :

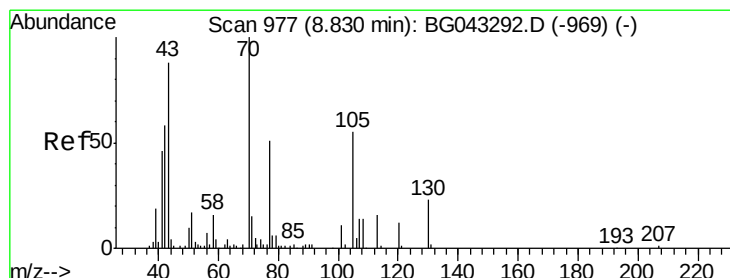
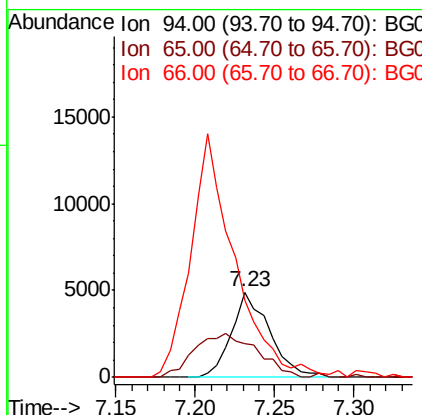
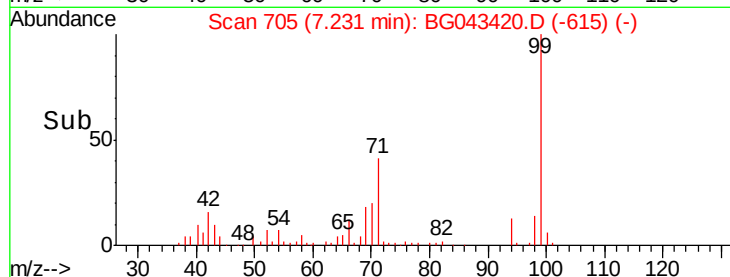
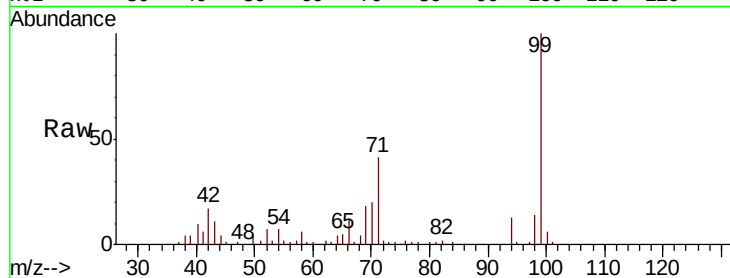
Tot Ion: 94 Resp: 8153

Ion Ratio Lower Upper

94 100

65 39.5 11.1 51.1

66 91.0 27.8 67.8#



#19

n-Nitroso-di-n-propylamine

Concen: 15.778 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

Tgt Ion: 70 Resp: 33487

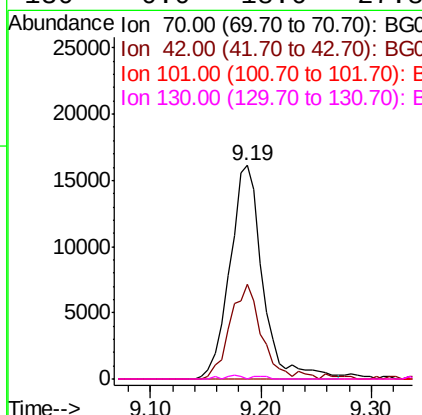
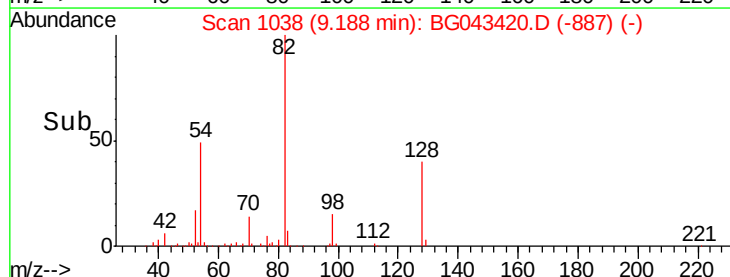
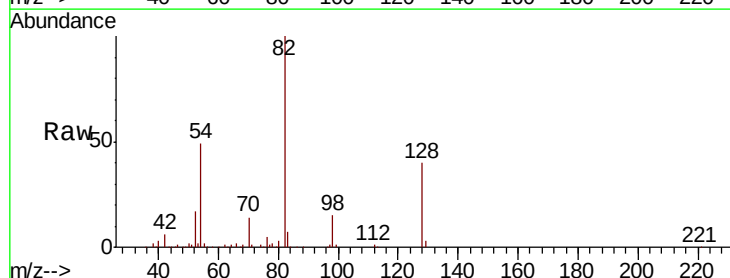
Ion Ratio Lower Upper

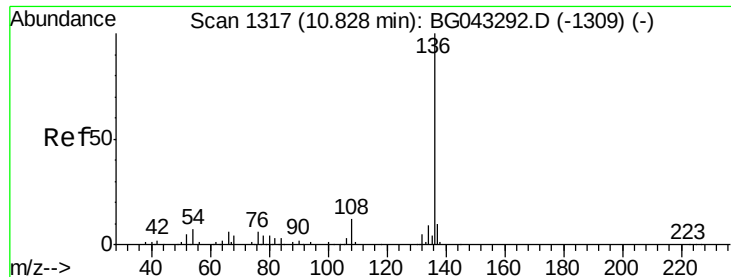
70 100

42 44.3 46.2 69.2#

101 0.0 8.6 13.0#

130 0.0 18.6 27.8#

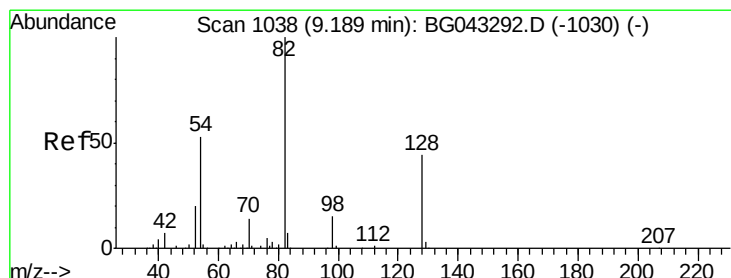
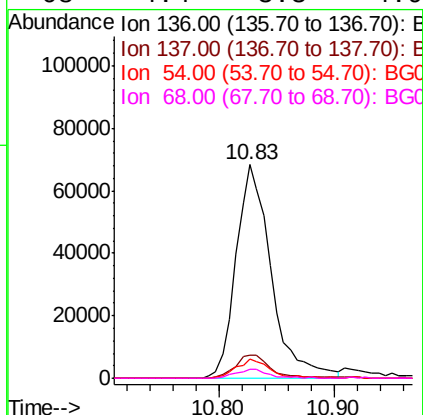
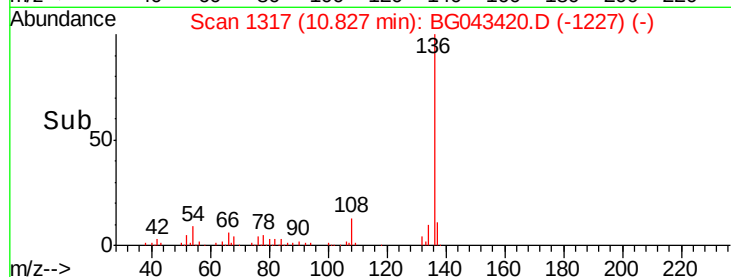
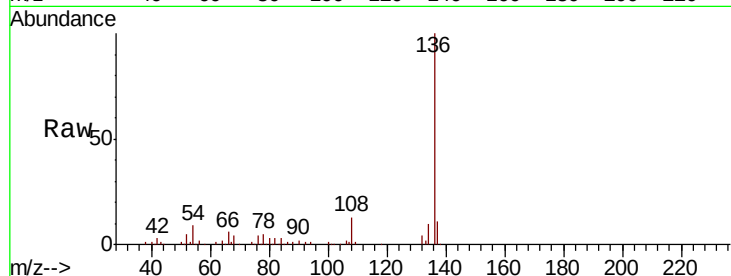




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043420.D
Acq: 31 Oct 2019 3:50

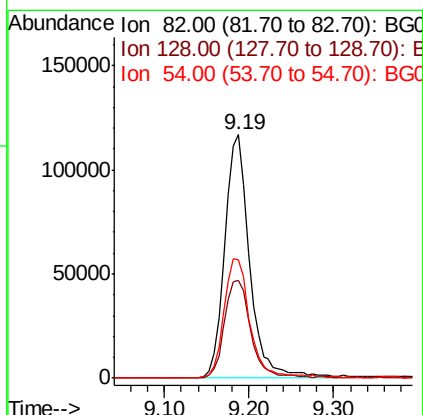
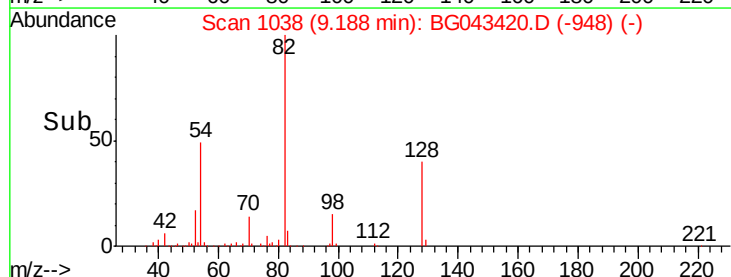
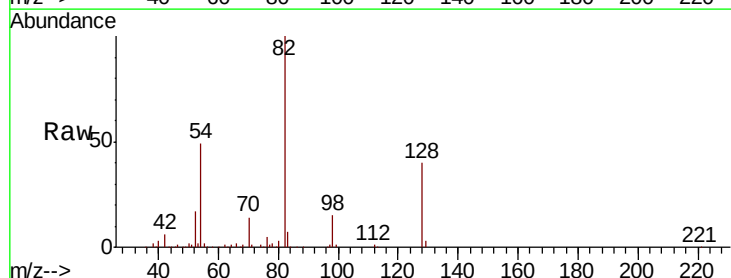
Instrument :
BNA_G
ClientSampleId :

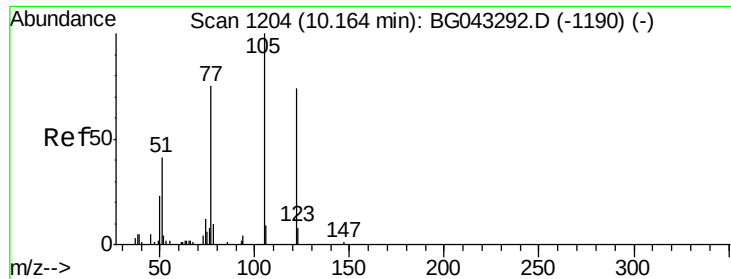
Tot Ion:136	Resp:	144288
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.2 12.2
54	8.8	5.4 8.2#
68	4.4	3.3 4.9



#23
Nitrobenzene-d5
Concen: 84.986 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043420.D
Acq: 31 Oct 2019 3:50

Tgt Ion: 82	Resp:	237855
Ion Ratio	Lower	Upper
82	100	
128	40.3	35.3 52.9
54	48.7	42.3 63.5

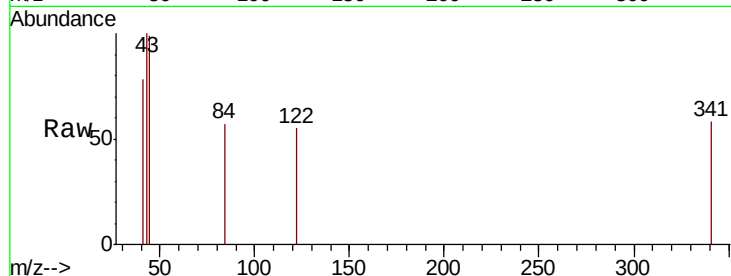




#32
Benzoic acid
Concen: 9.080 ng
RT: 10.49 min Scan# 1259
Delta R.T. 0.32 min
Lab File: BG043420.D
Acq: 31 Oct 2019 3:50

Instrument :
BNA_G
ClientSampleId :

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

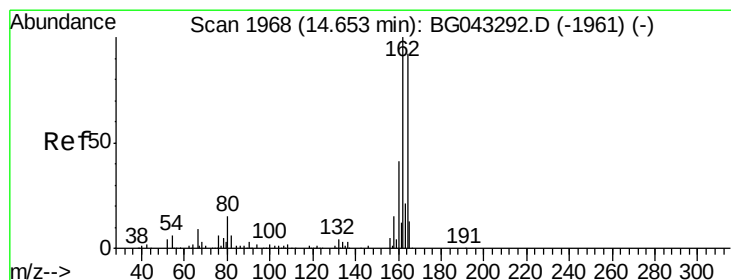
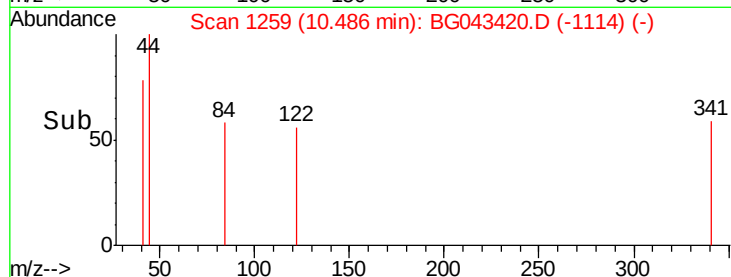
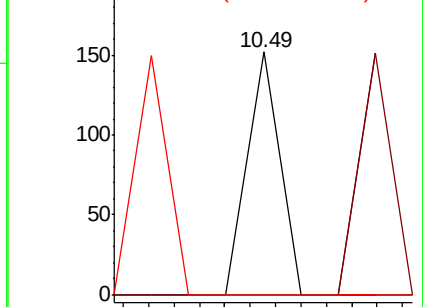


Abundance

Ion 122.00 (121.70 to 122.70): E

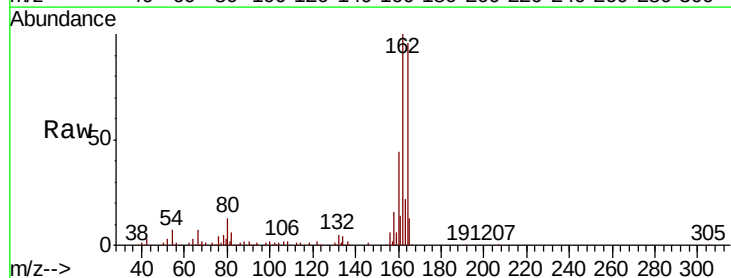
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043420.D
Acq: 31 Oct 2019 3:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	87.0	130.4
160	46.3	35.5	53.3

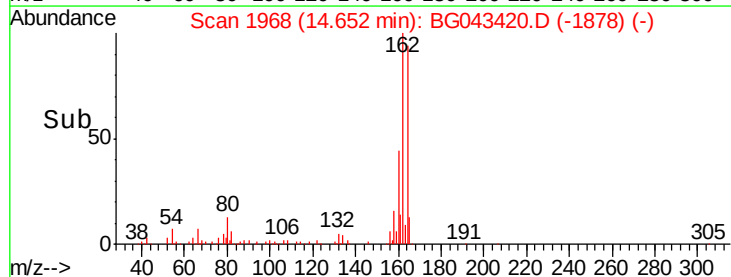
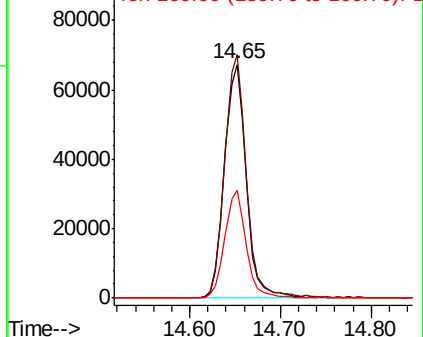


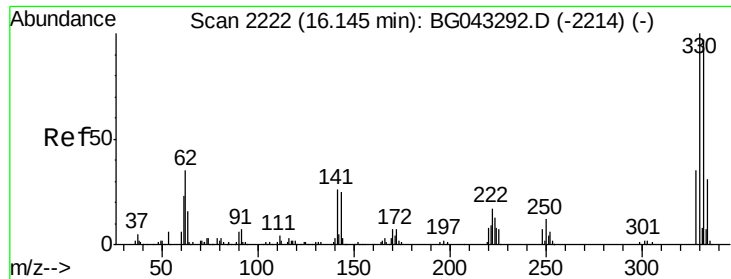
Abundance

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

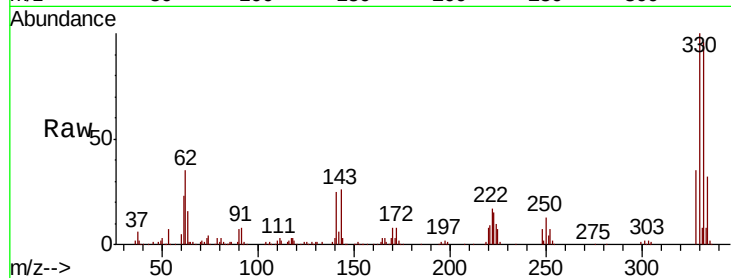




#42
 2,4,6-Tribromophenol
 Concen: 126.794 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043420.D
 Acq: 31 Oct 2019 3:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.4	114.6
141	26.7	21.4	32.0

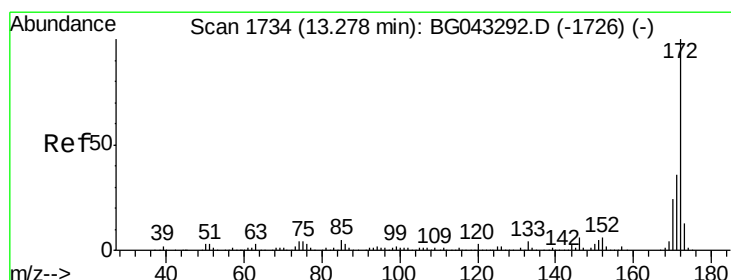
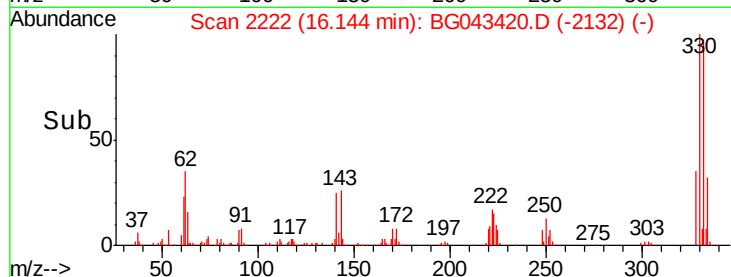
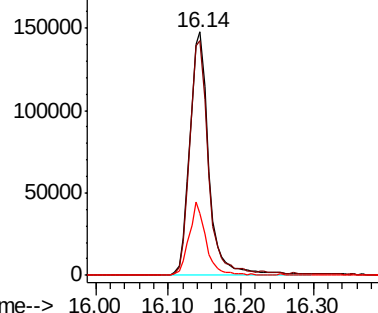


Abundance

Ion 329.80 (329.50 to 330.50): E

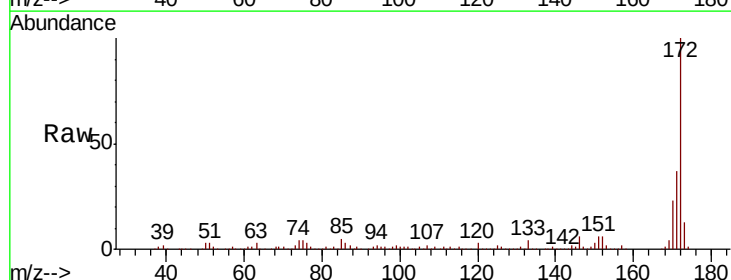
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.091 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043420.D
 Acq: 31 Oct 2019 3:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.5	42.7
170	22.5	18.8	28.2

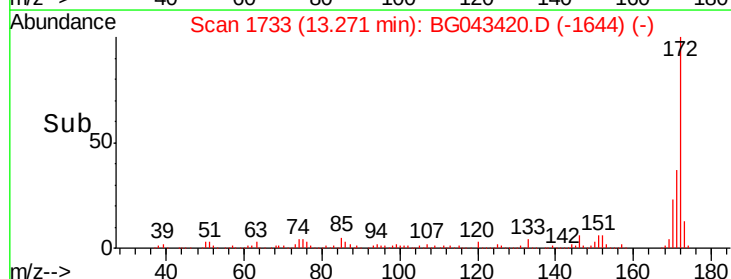
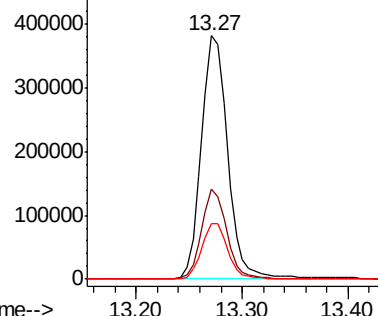


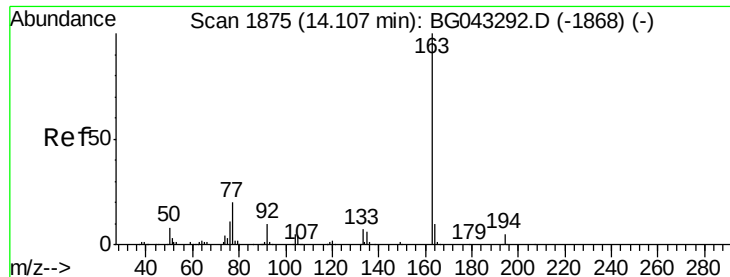
Abundance

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

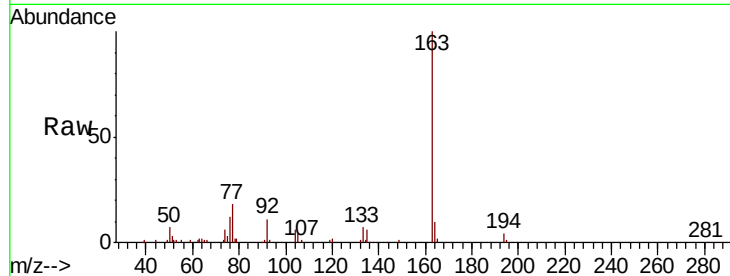




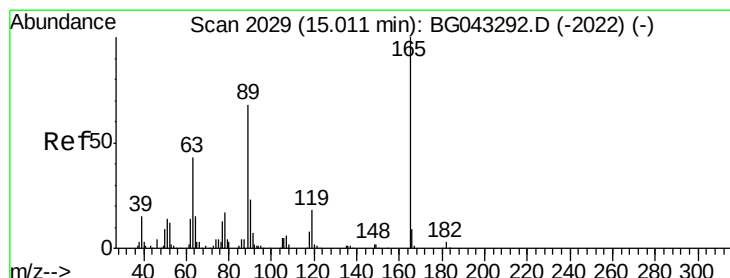
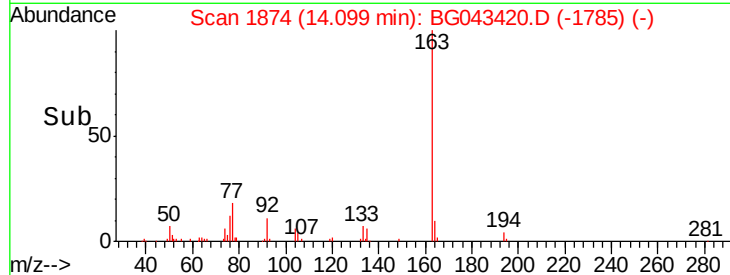
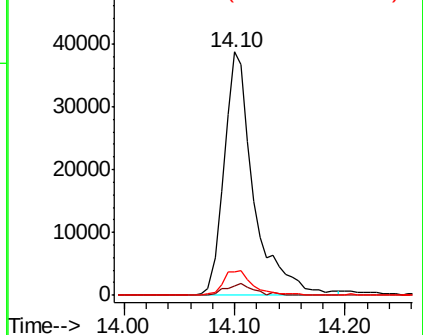
#50
Dimethylphthalate
Concen: 8.372 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043420.D
Acq: 31 Oct 2019 3:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 72844
Ion Ratio Lower Upper
163 100
194 4.0 3.7 5.5
164 9.8 8.1 12.1

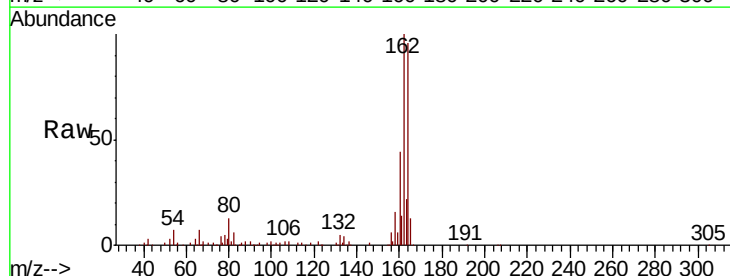


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

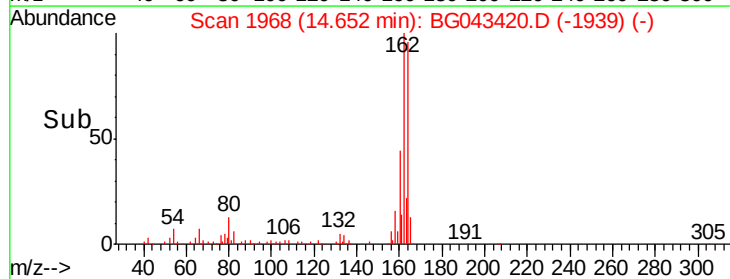
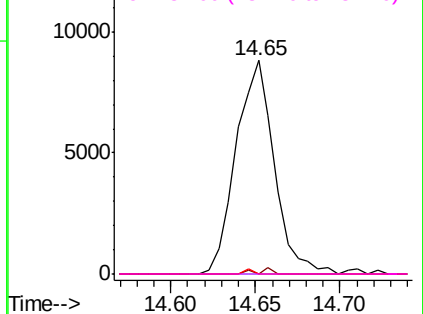


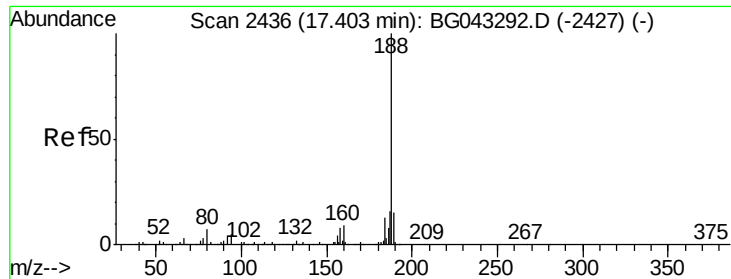
#57
2,4-Dinitrotoluene
Concen: 5.154 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG043420.D
Acq: 31 Oct 2019 3:50

Tgt Ion:165 Resp: 13922
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: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

Instrument :

BNA_G

ClientSampleId :

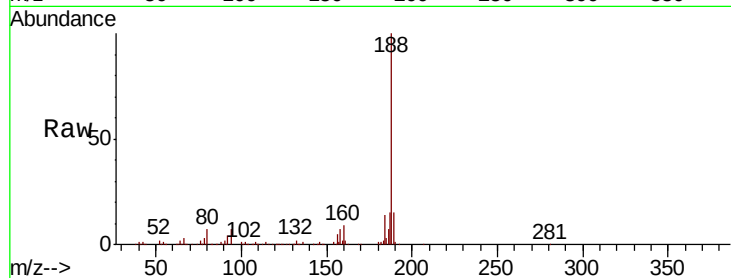
Tot Ion:188 Resp: 267793

Ion Ratio Lower Upper

188 100

94 7.1 4.2 6.2#

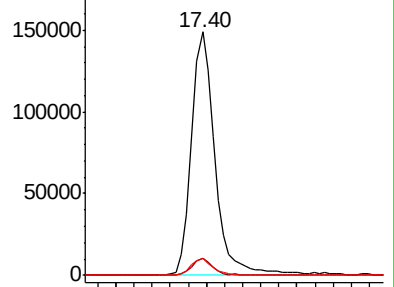
80 6.8 5.2 7.8



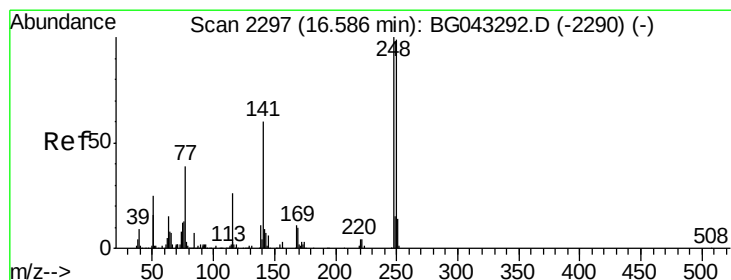
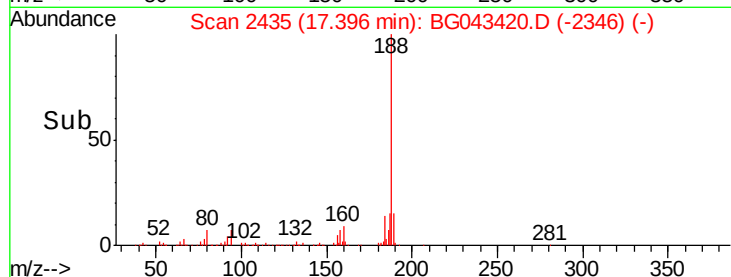
Abundance Ion 188.00 (187.70 to 188.70): E

200000 Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.748 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

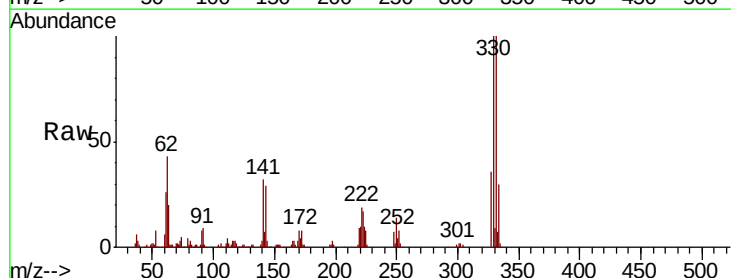
Tgt Ion:248 Resp: 17111

Ion Ratio Lower Upper

248 100

250 185.0 79.3 118.9#

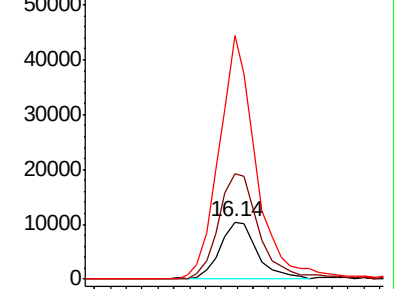
141 424.9 47.9 71.9#



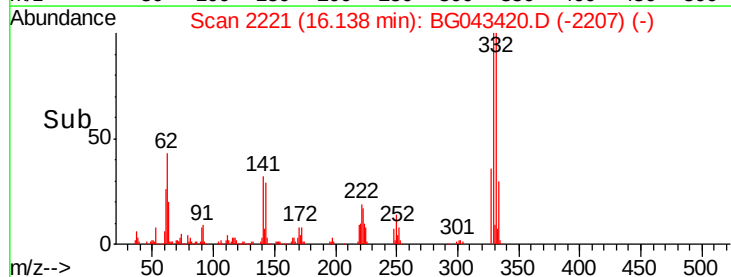
Abundance Ion 248.00 (247.70 to 248.70): E

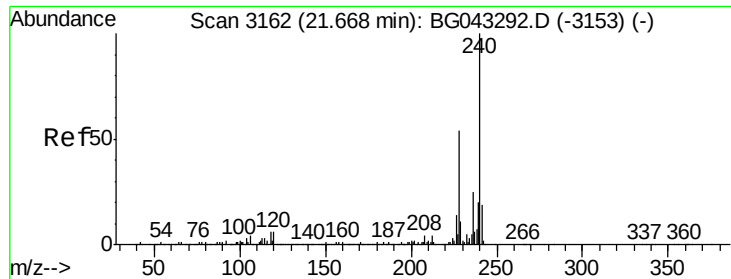
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

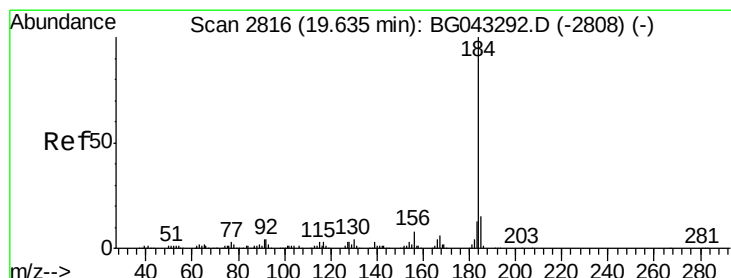
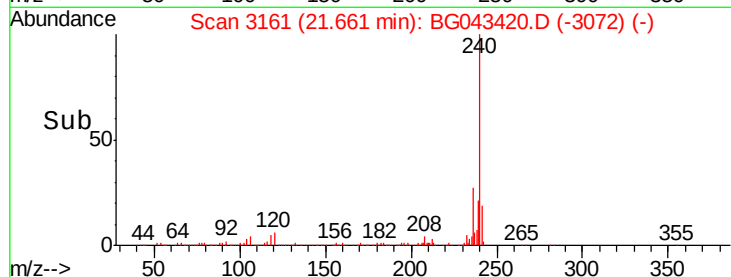
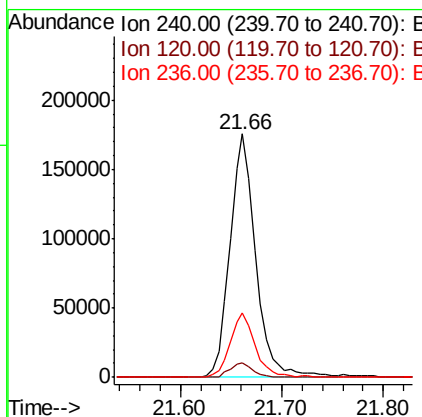
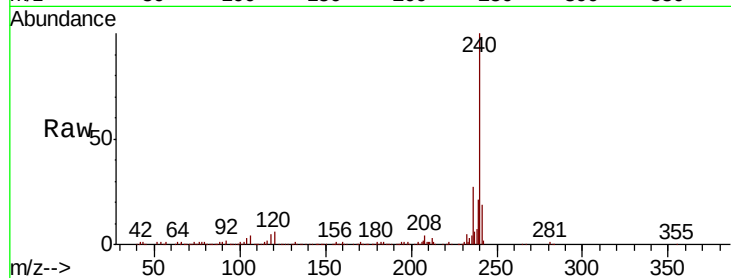




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043420.D
Acq: 31 Oct 2019 3:50

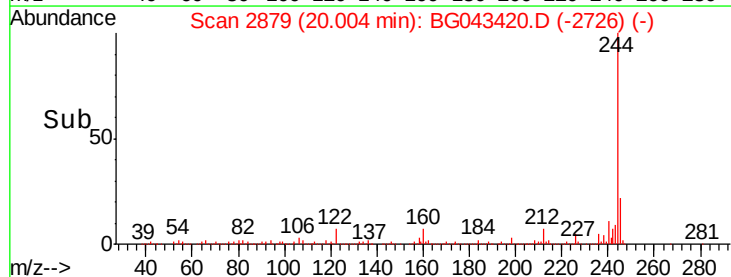
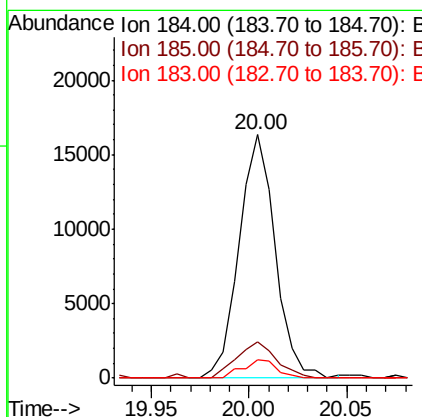
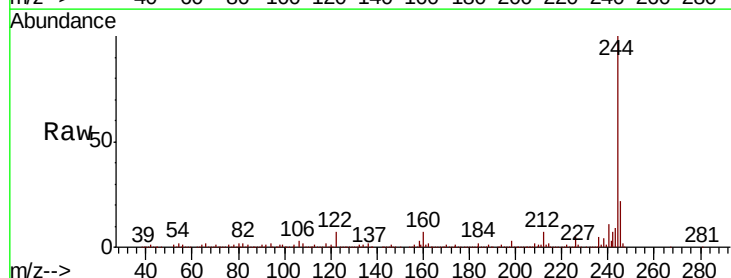
Instrument :
BNA_G
ClientSampleId :

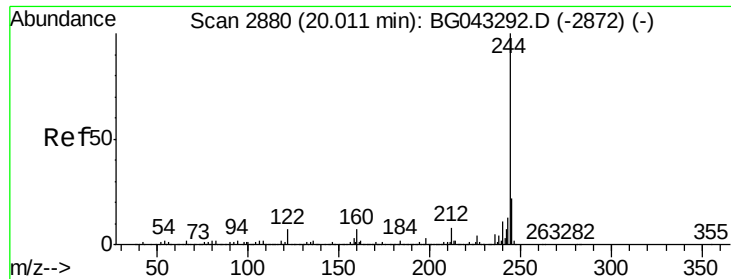
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.6	7.0
236	26.6	20.2	30.4



#77
Benzidine
Concen: 3.371 ng
RT: 20.00 min Scan# 2879
Delta R.T. 0.37 min
Lab File: BG043420.D
Acq: 31 Oct 2019 3:50

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.8	17.6
183	7.4	10.6	16.0#





#79

Terphenyl-d14

Concen: 86.793 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

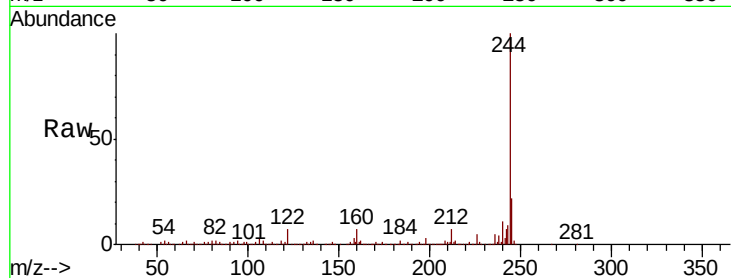
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1426733

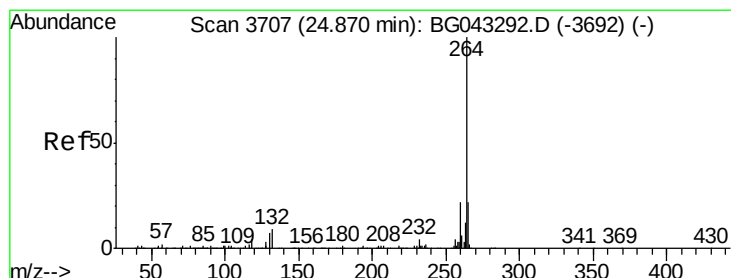
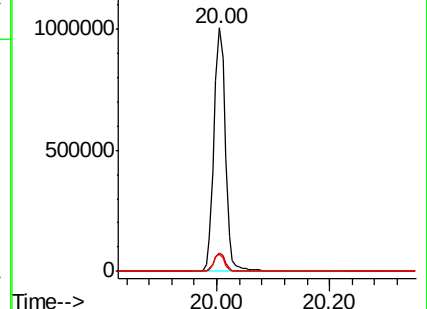
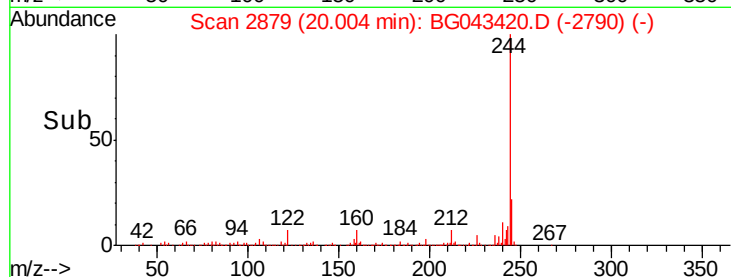
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	7.3	5.3	7.9



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

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3705

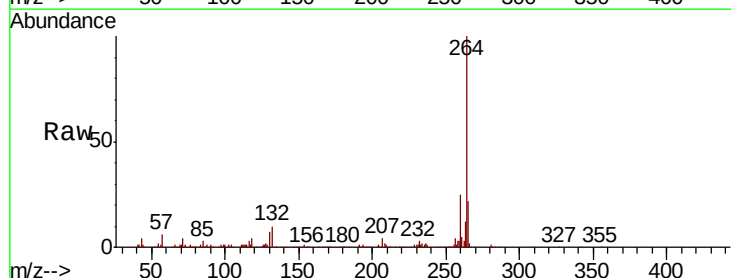
Delta R.T. -0.01 min

Lab File: BG043420.D

Acq: 31 Oct 2019 3:50

Tgt Ion:264 Resp: 363367

Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.9	26.9
265	22.4	17.4	26.2



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

