

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043431.D
 Acq On : 31 Oct 2019 12:08
 Operator : JU
 Sample : K5575-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 13:10:13 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

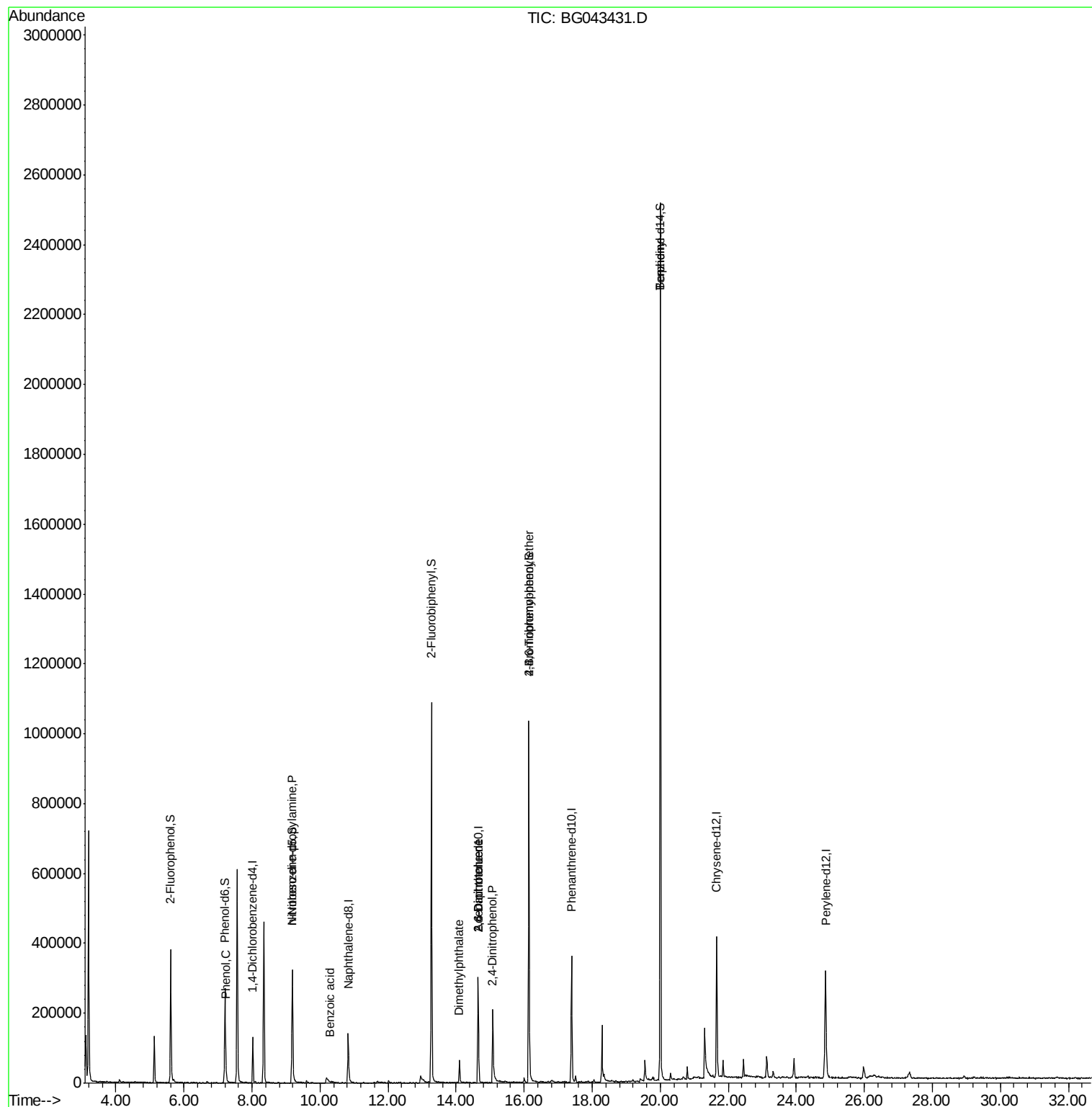
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38475	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	150873	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	112022	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	257263	20.00	ng	0.00
76) Chrysene-d12	21.66	240	278839	20.00	ng	0.00
87) Perylene-d12	24.86	264	324800	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	184617	87.93	ng	0.00
7) Phenol-d6	7.21	99	180271	59.67	ng	0.00
23) Nitrobenzene-d5	9.19	82	232151	79.33	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	246039	115.41	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	640408	79.00	ng	0.00
79) Terphenyl-d14	20.00	244	1306260	87.89	ng	0.00
Target Compounds						
10) Phenol	7.23	94	9733	3.526	ng	75
19) n-Nitroso-di-n-propylamine	9.19	70	32443	16.620	ng	# 81
32) Benzoic acid	10.31	122	65	9.085	ng	# 1
50) Dimethylphthalate	14.10	163	47032	5.420	ng	99
51) 2,6-Dinitrotoluene	14.65	165	14838	7.871	ng	# 24
54) 2,4-Dinitrophenol	15.07	184	61	7.330	ng	# 20
57) 2,4-Dinitrotoluene	14.65	165	14838	5.508	ng	# 25
67) 4-Bromophenyl-phenylether	16.14	248	16118	4.655	ng	# 1
77) Benzidine	20.00	184	19464	3.468	ng	# 89

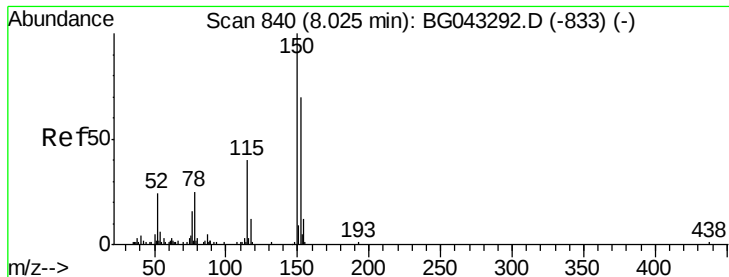
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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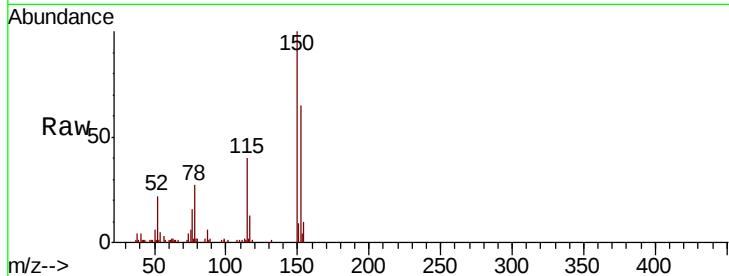


#1

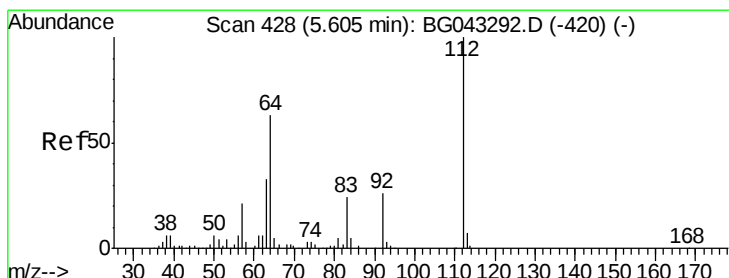
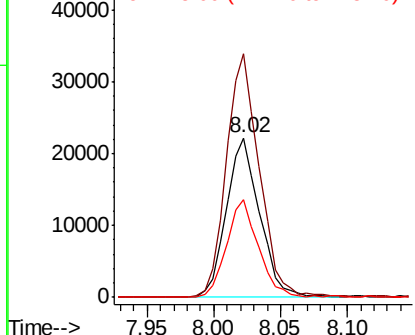
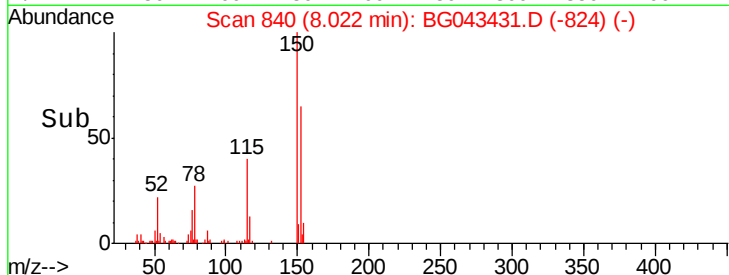
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043431.D
Acq: 31 Oct 2019 12:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	113.6	170.4
115	61.5	45.9	68.9



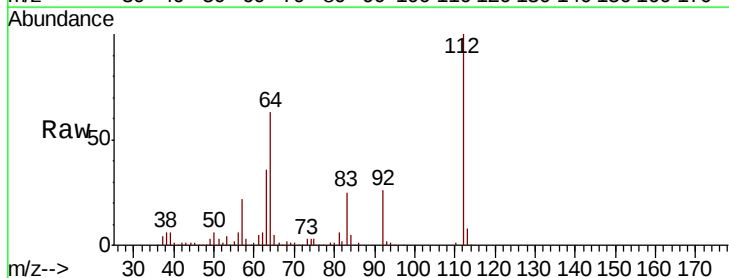
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



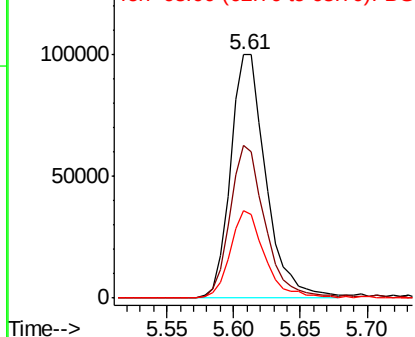
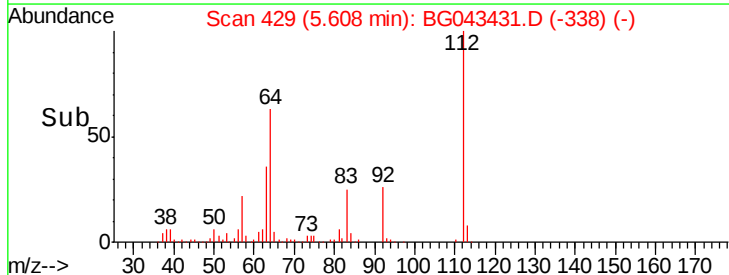
#5

2-Fluorophenol
Concen: 87.927 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043431.D
Acq: 31 Oct 2019 12:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	50.2	75.2
63	35.9	26.7	40.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 59.675 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043431.D

Acq: 31 Oct 2019 12:08

Instrument :

BNA_G

ClientSampleId :

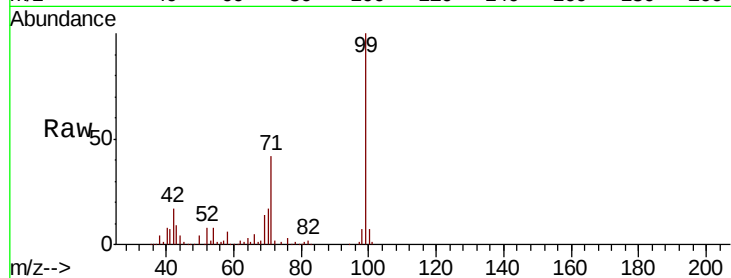
Tot Ion: 99 Resp: 180271

Ion Ratio Lower Upper

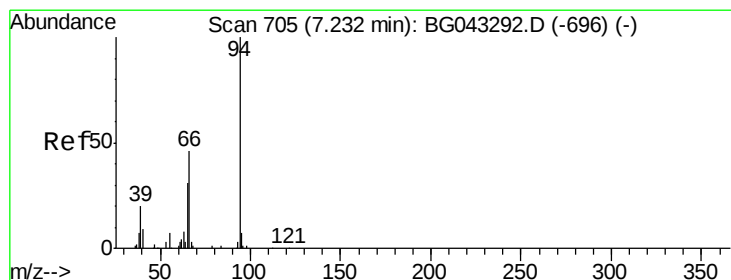
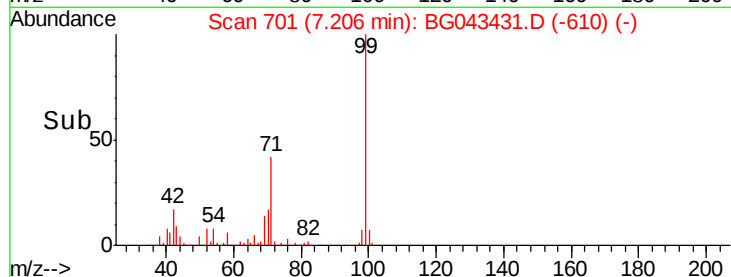
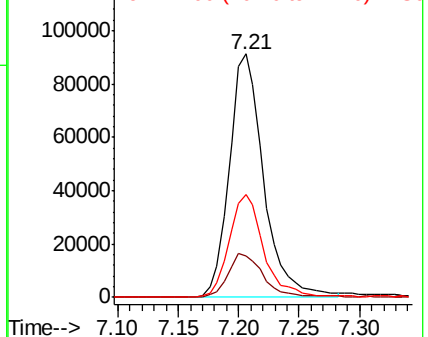
99 100

42 17.0 14.9 22.3

71 42.5 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: 3.526 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043431.D

Acq: 31 Oct 2019 12:08

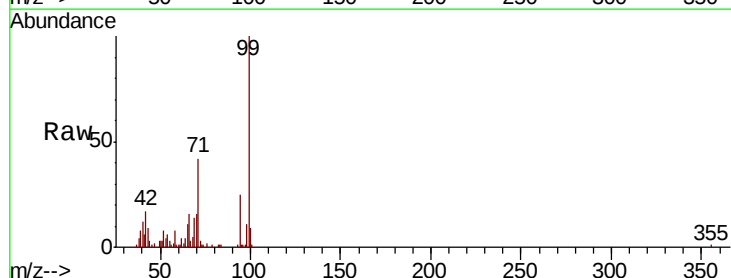
Tgt Ion: 94 Resp: 9733

Ion Ratio Lower Upper

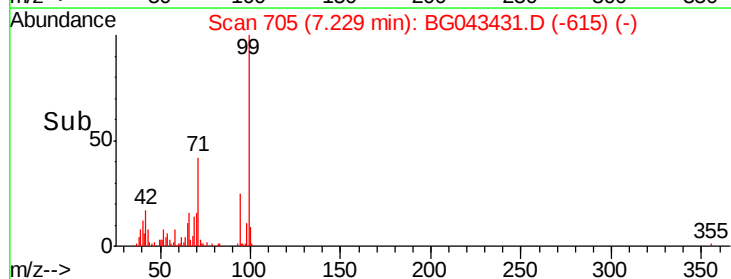
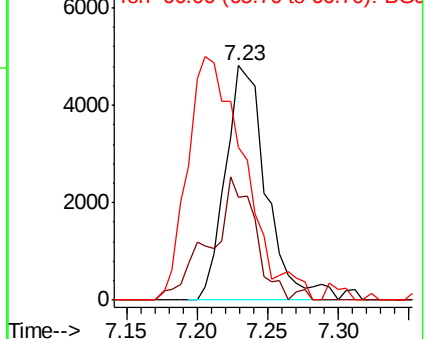
94 100

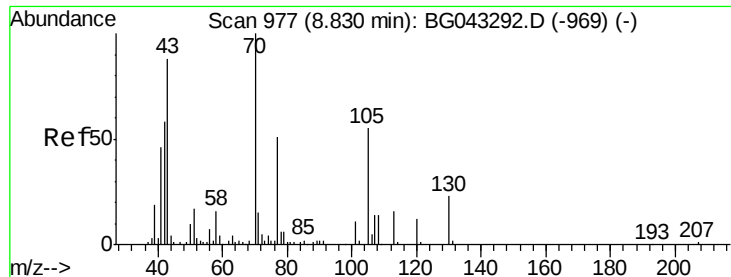
65 44.0 11.1 51.1

66 65.2 27.8 67.8



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: 16.620 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043431.D

Acq: 31 Oct 2019 12:08

Instrument :

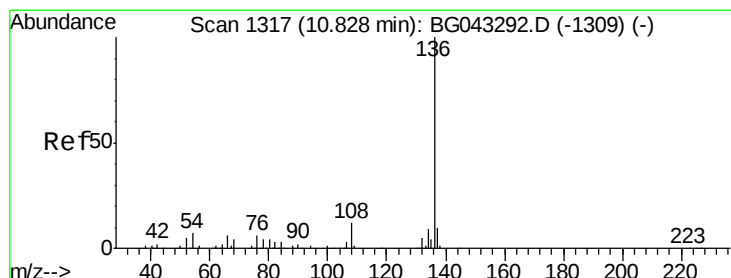
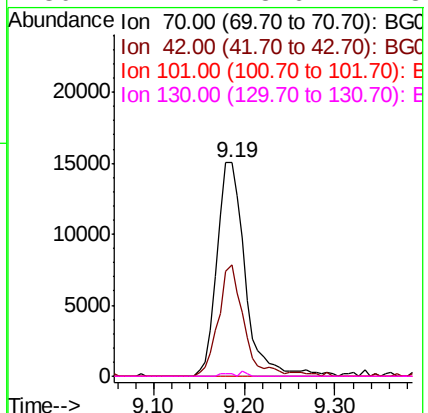
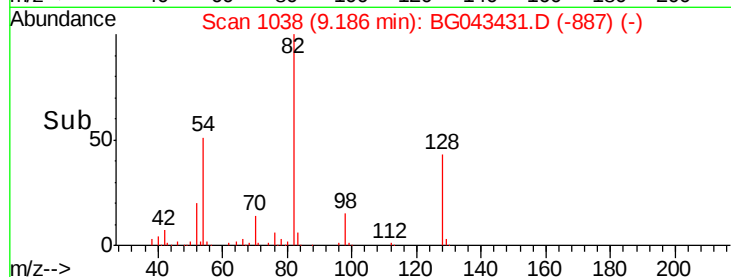
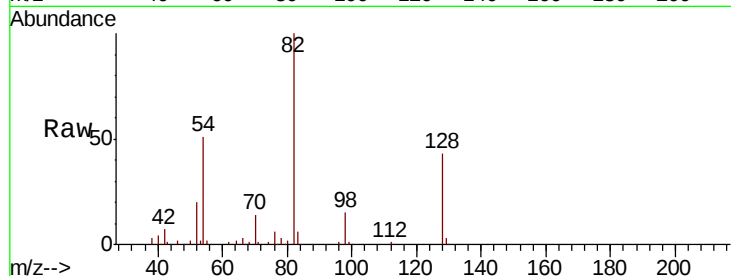
BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 32443

Ion Ratio Lower Upper

70	100		
42	52.2	46.2	69.2
101	0.0	8.6	13.0#
130	1.4	18.6	27.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

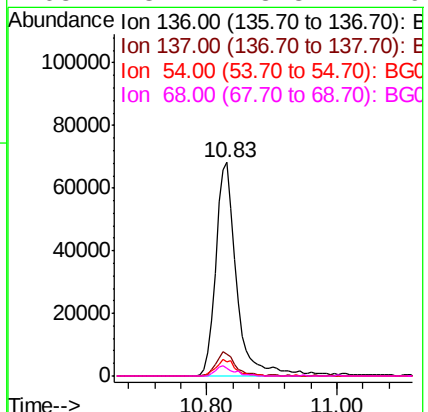
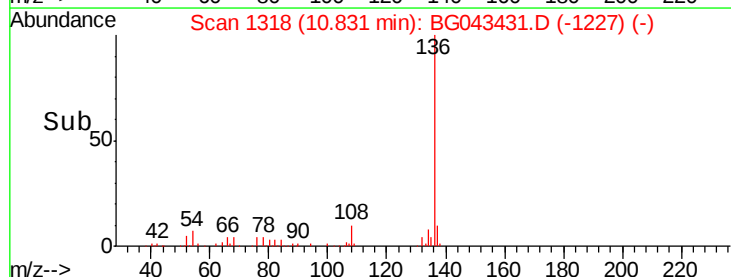
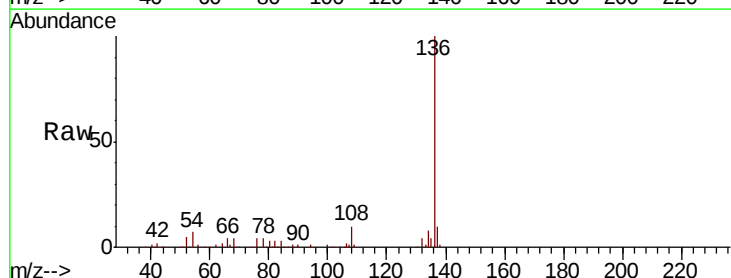
Lab File: BG043431.D

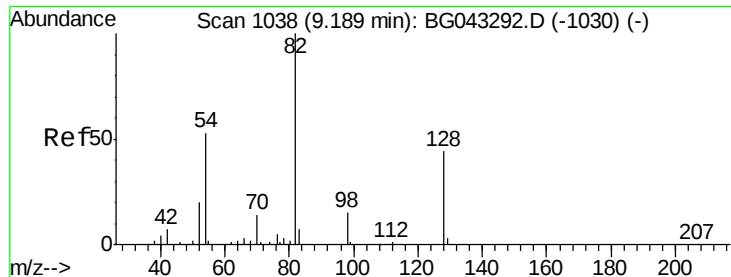
Acq: 31 Oct 2019 12:08

Tgt Ion: 136 Resp: 150873

Ion Ratio Lower Upper

136	100		
137	10.3	8.2	12.2
54	6.7	5.4	8.2
68	3.7	3.3	4.9

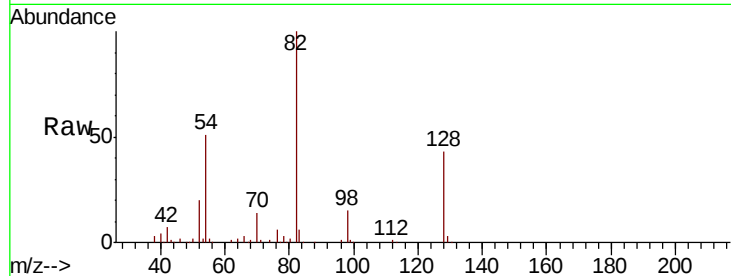




#23
Nitrobenzene-d5
Concen: 79.328 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043431.D
Acq: 31 Oct 2019 12:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	232151
Ion Ratio	100	Lower	Upper
128	43.1	35.3	52.9
54	50.7	42.3	63.5

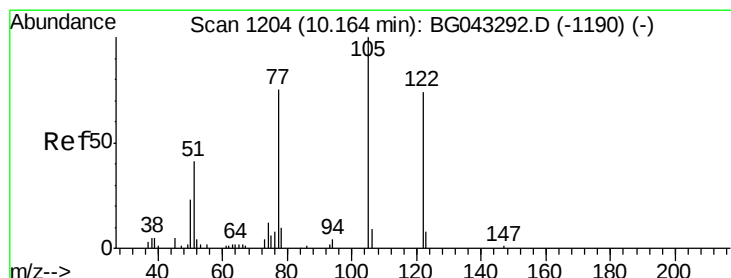
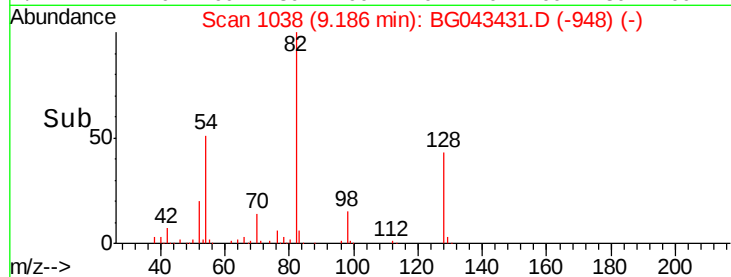
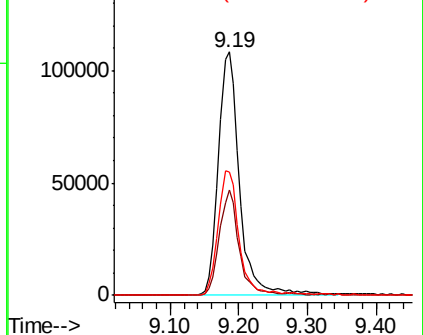


Abundance

Ion 82.00 (81.70 to 82.70): BGC

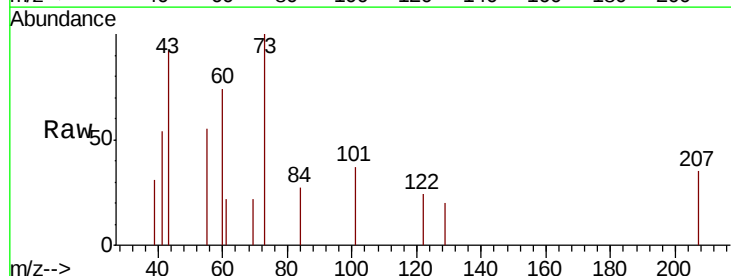
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#32
Benzoic acid
Concen: 9.085 ng
RT: 10.31 min Scan# 1229
Delta R.T. 0.14 min
Lab File: BG043431.D
Acq: 31 Oct 2019 12:08

Tgt Ion	122	Resp	65
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	112.4	152.4#
77	0.0	82.7	122.7#

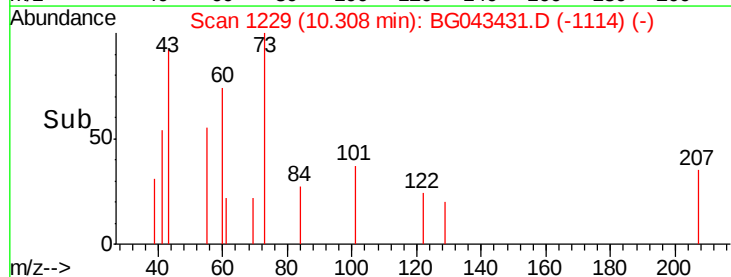
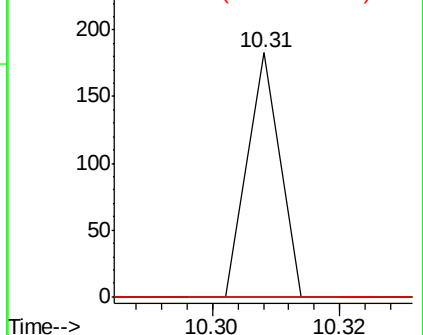


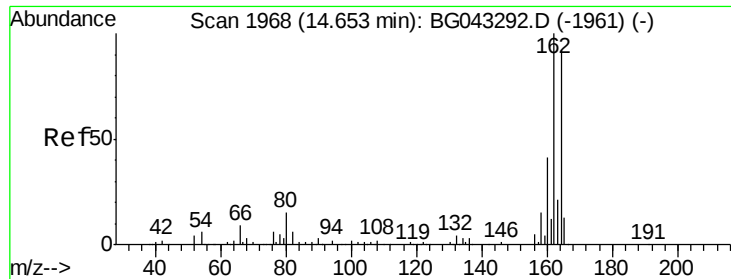
Abundance

Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

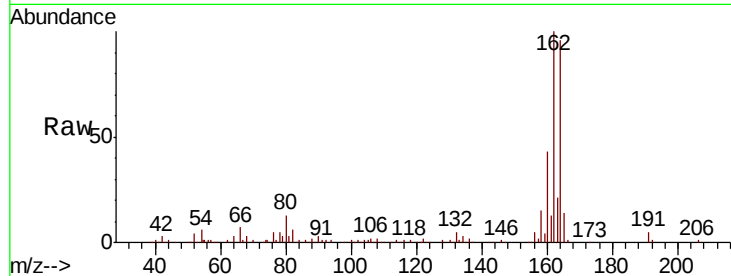




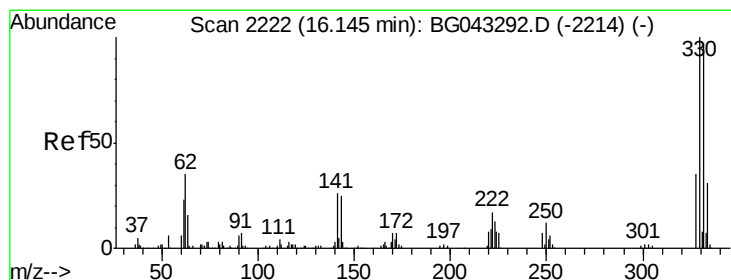
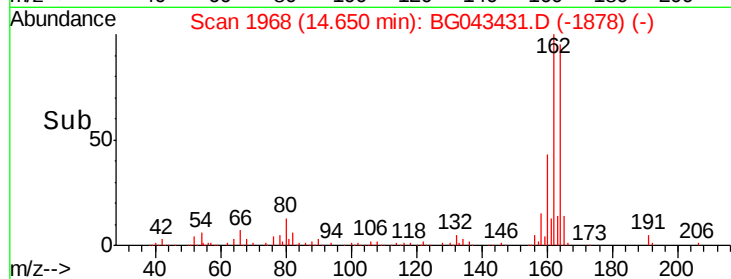
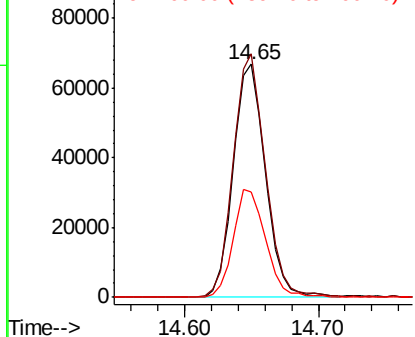
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG043431.D
 Acq: 31 Oct 2019 12:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.5	87.0	130.4
160	45.4	35.5	53.3

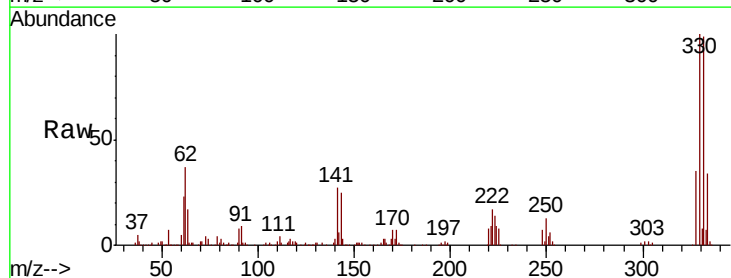


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

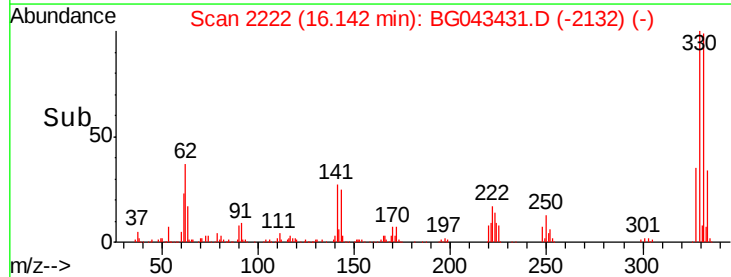
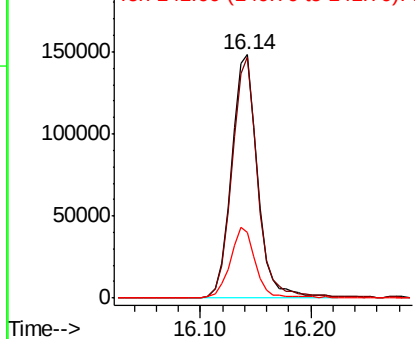


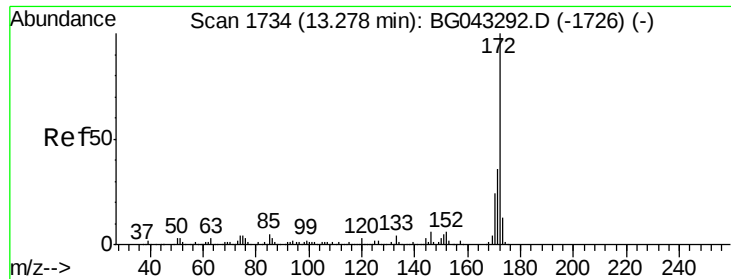
#42
 2,4,6-Tribromophenol
 Concen: 115.415 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043431.D
 Acq: 31 Oct 2019 12:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.4	114.6
141	28.7	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

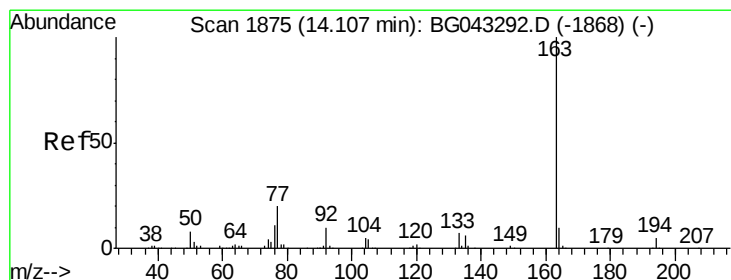
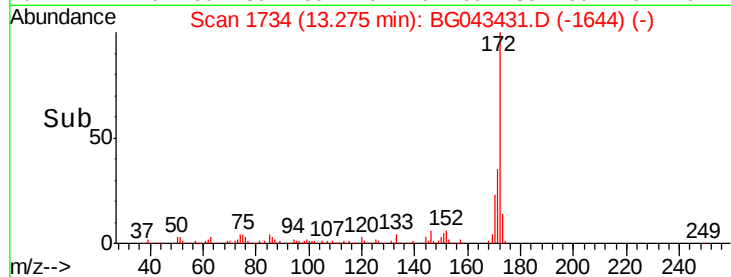
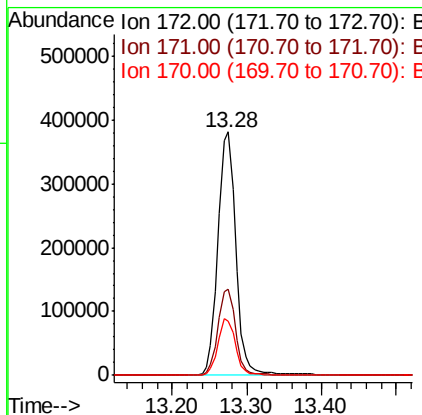
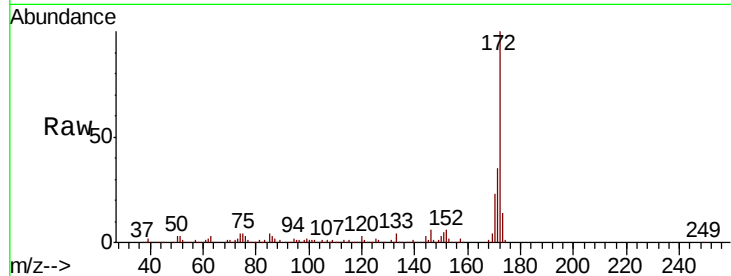




#45
 2-Fluorobiphenyl
 Concen: 78.995 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043431.D
 Acq: 31 Oct 2019 12:08

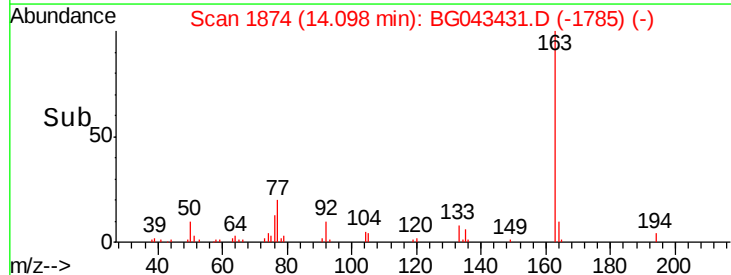
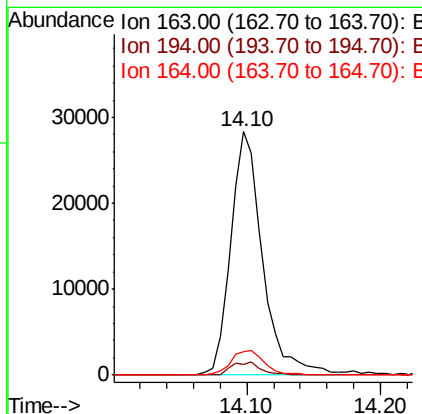
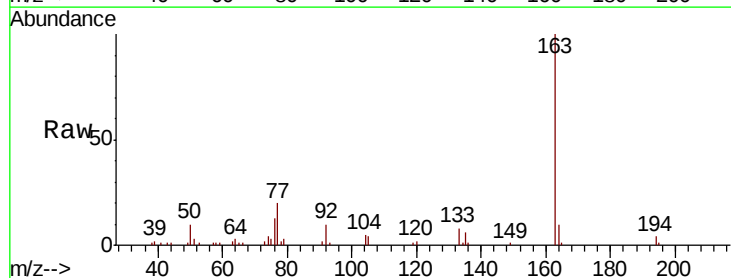
Instrument :
 BNA_G
 ClientSampleId :

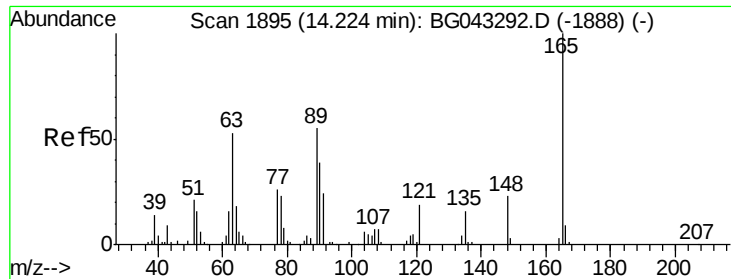
Tot Ion:172 Resp: 640408
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.5 42.7
 170 22.5 18.8 28.2



#50
 Dimethylphthalate
 Concen: 5.420 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043431.D
 Acq: 31 Oct 2019 12:08

Tgt Ion:163 Resp: 47032
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.7 5.5
 164 9.8 8.1 12.1

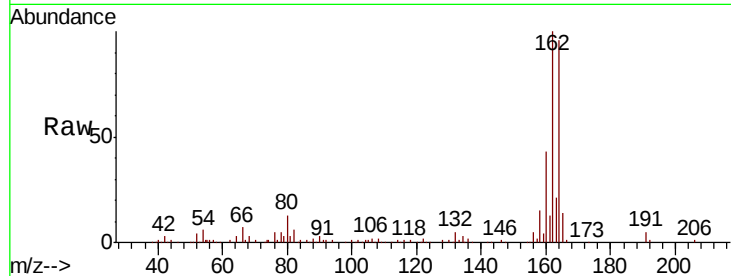




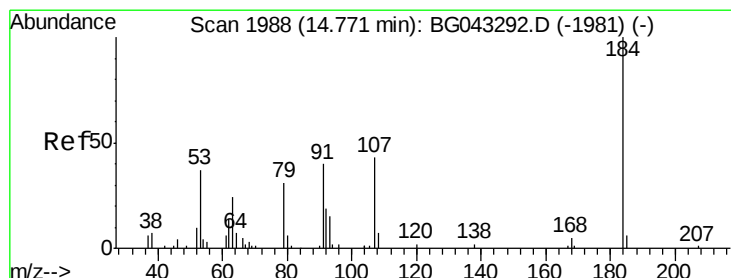
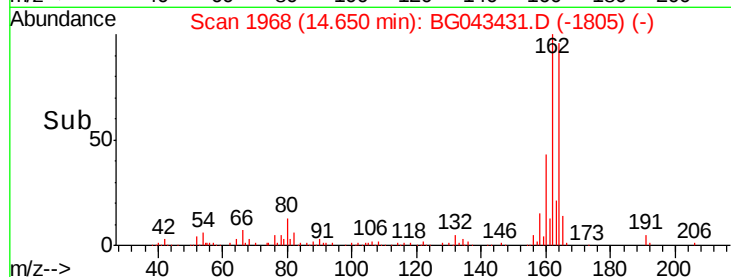
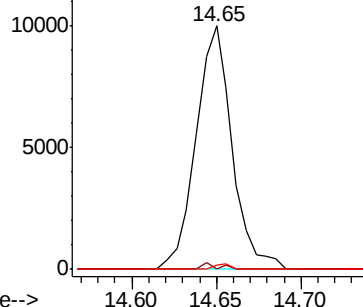
#51
 2,6-Dinitrotoluene
 Concen: 7.871 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043431.D
 Acq: 31 Oct 2019 12:08

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.1	70.7#
89	1.5	43.7	65.5#

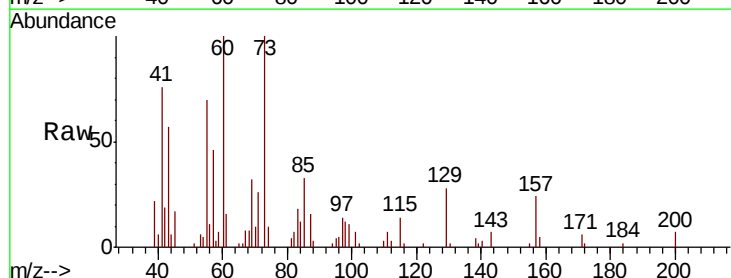


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

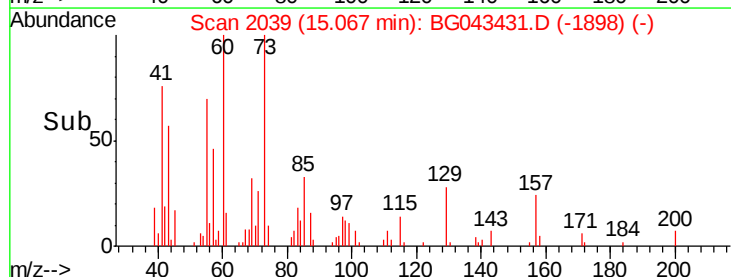
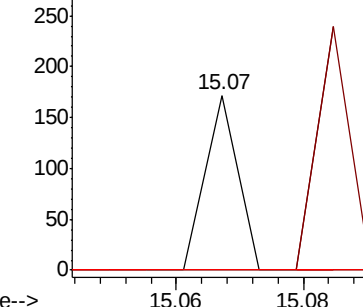


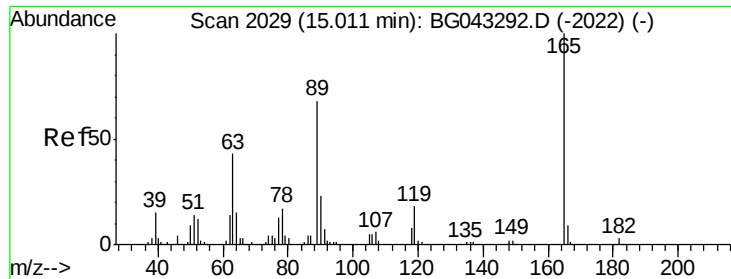
#54
 2,4-Dinitrophenol
 Concen: 7.330 ng
 RT: 15.07 min Scan# 2039
 Delta R.T. 0.30 min
 Lab File: BG043431.D
 Acq: 31 Oct 2019 12:08

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	48.8	73.2#
154	0.0	49.4	74.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

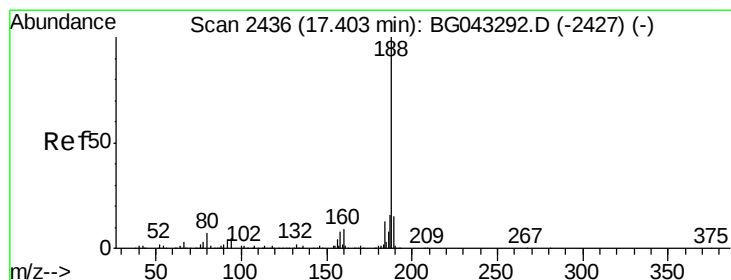
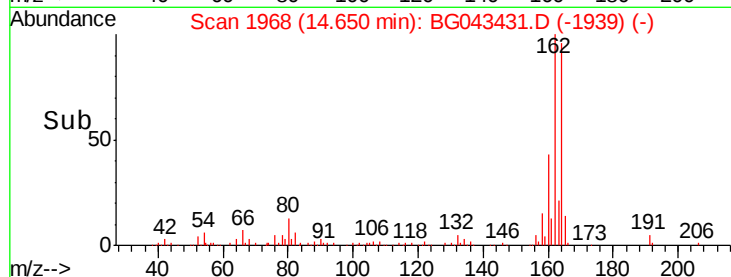
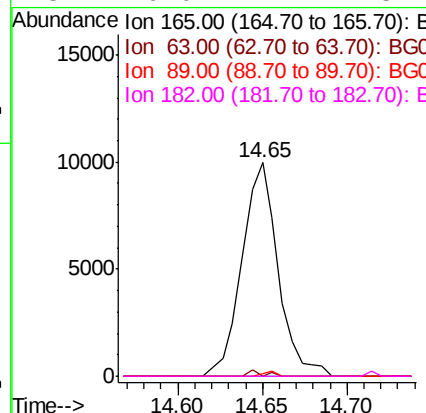
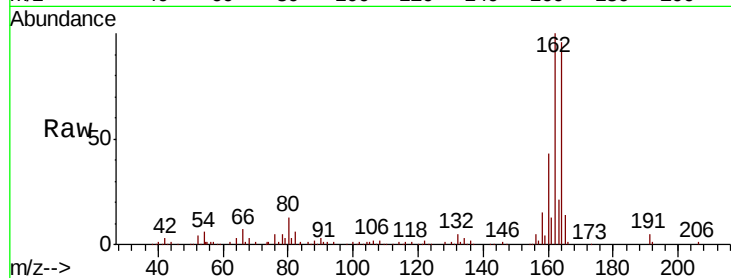




#57
 2,4-Dinitrotoluene
 Concen: 5.508 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043431.D
 Acq: 31 Oct 2019 12:08

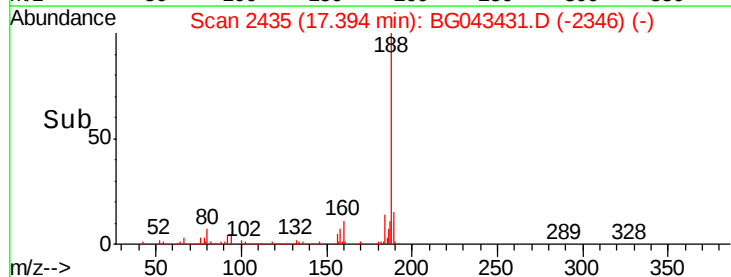
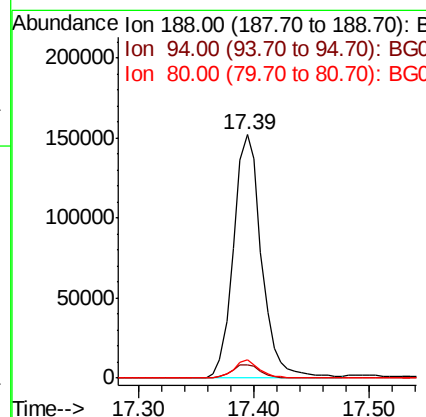
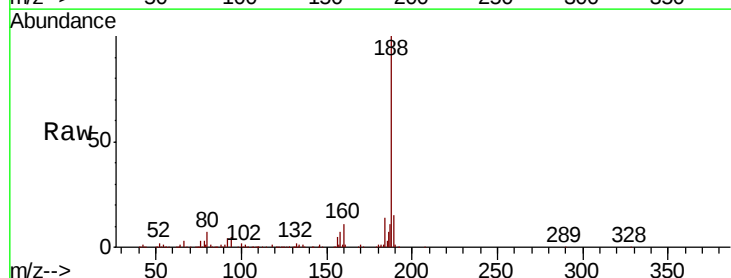
Instrument :
 BNA_G
 ClientSampleId :

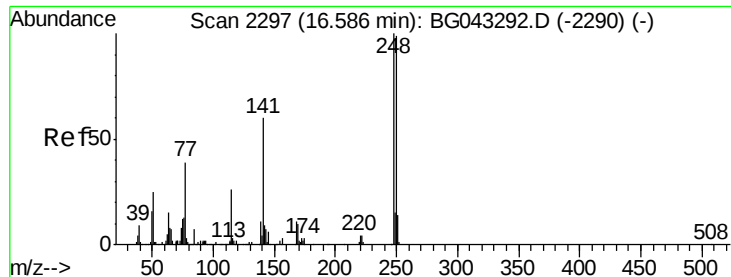
Tot Ion:165	Resp: 14838
Ion Ratio	Lower Upper
165 100	
63 0.0	35.0 52.6#
89 1.5	54.1 81.1#
182 0.0	2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043431.D
 Acq: 31 Oct 2019 12:08

Tgt Ion	188	Resp: Lower	257263 Upper
	Ratio 100		
	94	5.4	4.2 6.2
	80	7.4	5.2 7.8

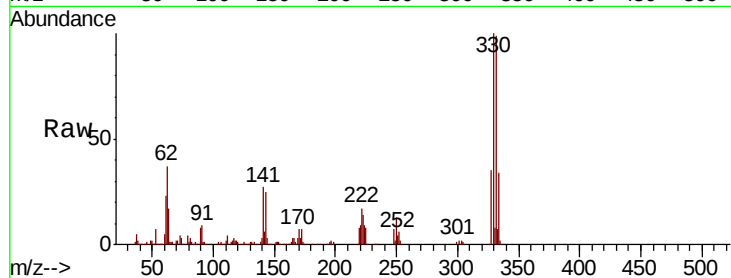




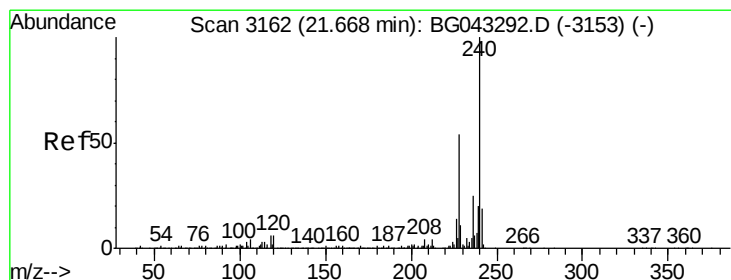
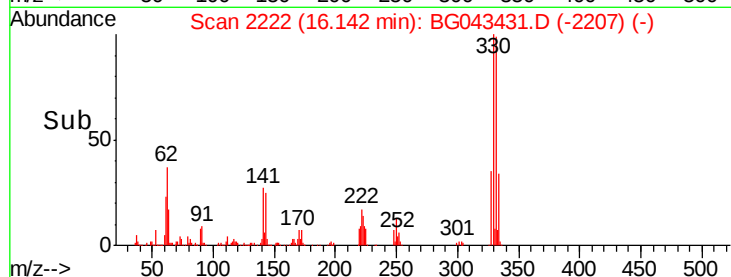
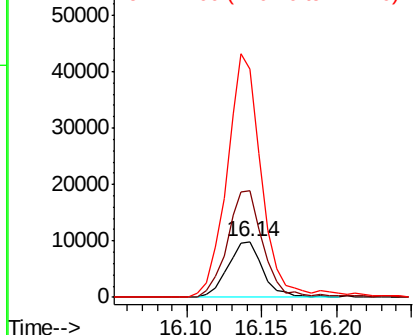
#67
4-Bromophenyl-phenylether
Concen: 4.655 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.44 min
Lab File: BG043431.D
Acq: 31 Oct 2019 12:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16118
Ion Ratio Lower Upper
248 100
250 193.1 79.3 118.9#
141 410.7 47.9 71.9#

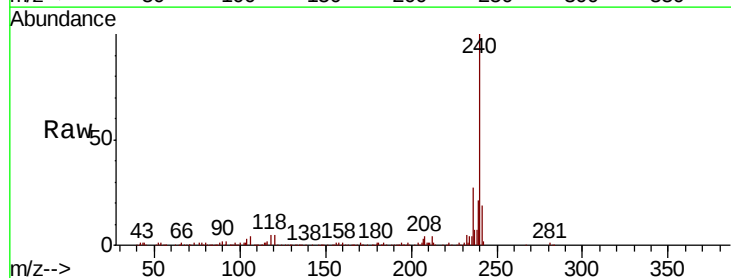


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

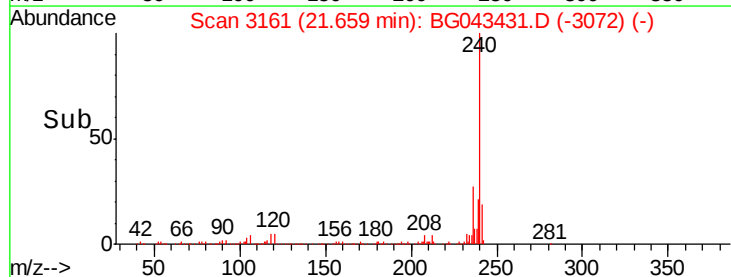
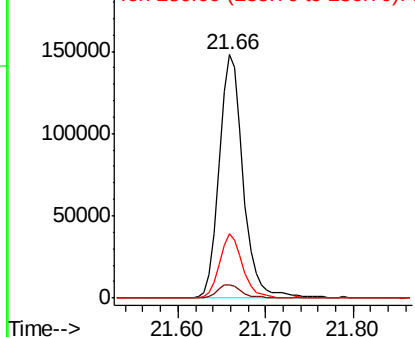


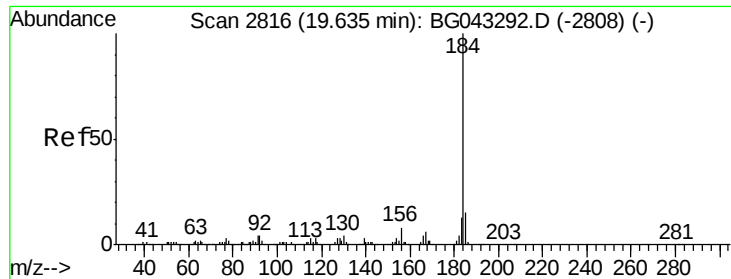
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043431.D
Acq: 31 Oct 2019 12:08

Tgt Ion:240 Resp: 278839
Ion Ratio Lower Upper
240 100
120 5.4 4.6 7.0
236 26.7 20.2 30.4



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: 3.468 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043431.D

Acq: 31 Oct 2019 12:08

Instrument :

BNA_G

ClientSampleId :

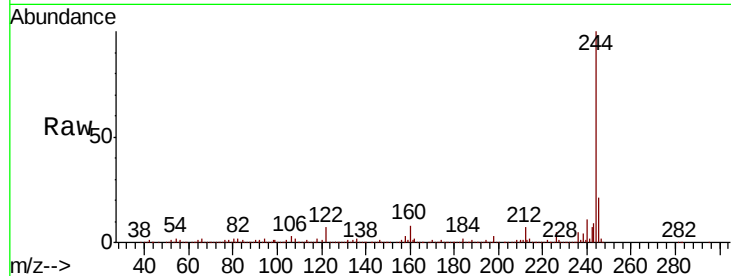
Tot Ion:184 Resp: 19464

Ion Ratio Lower Upper

184 100

185 11.8 11.8 17.6

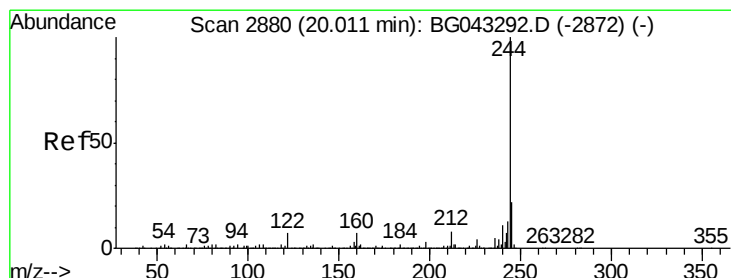
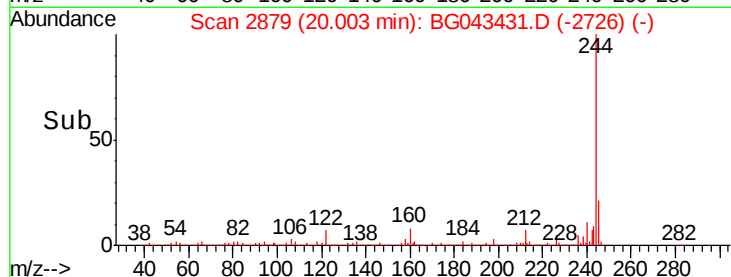
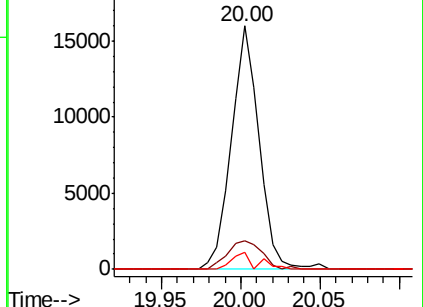
183 6.9 10.6 16.0#



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: 87.886 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043431.D

Acq: 31 Oct 2019 12:08

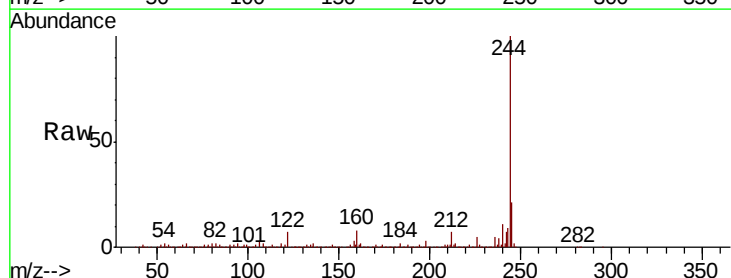
Tgt Ion:244 Resp: 1306260

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

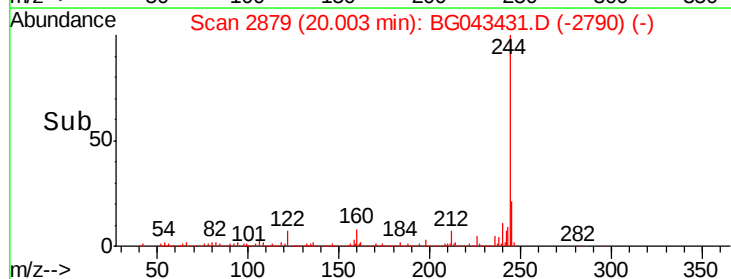
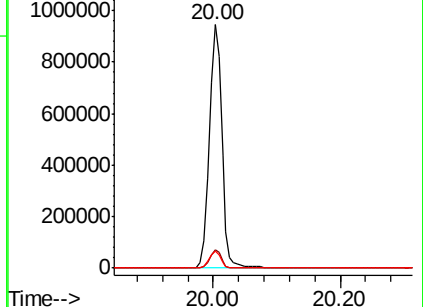
122 7.0 5.3 7.9

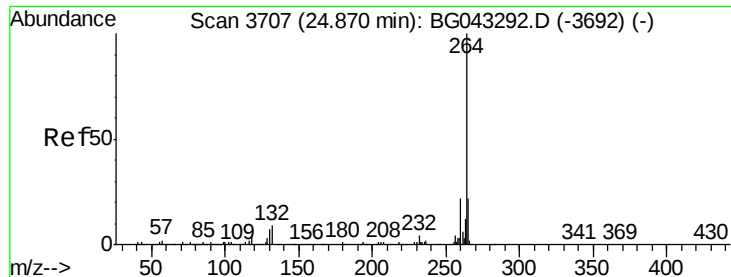


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3706
 Delta R.T. -0.01 min
 Lab File: BG043431.D
 Acq: 31 Oct 2019 12:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.9	26.9
265	22.0	17.4	26.2

