

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043436.D
 Acq On : 31 Oct 2019 16:27
 Operator : JU
 Sample : K5497-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 03:59:32 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	43548	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	157403	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	118040	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	287486	20.00	ng	0.00
76) Chrysene-d12	21.66	240	329305	20.00	ng	0.00
87) Perylene-d12	24.86	264	390517	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	271026	114.04	ng	0.00
7) Phenol-d6	7.21	99	391387	114.47	ng	0.00
23) Nitrobenzene-d5	9.19	82	233704	76.55	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	248225	110.50	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	548436	64.20	ng	0.00
79) Terphenyl-d14	20.00	244	1047206	59.66	ng	0.00

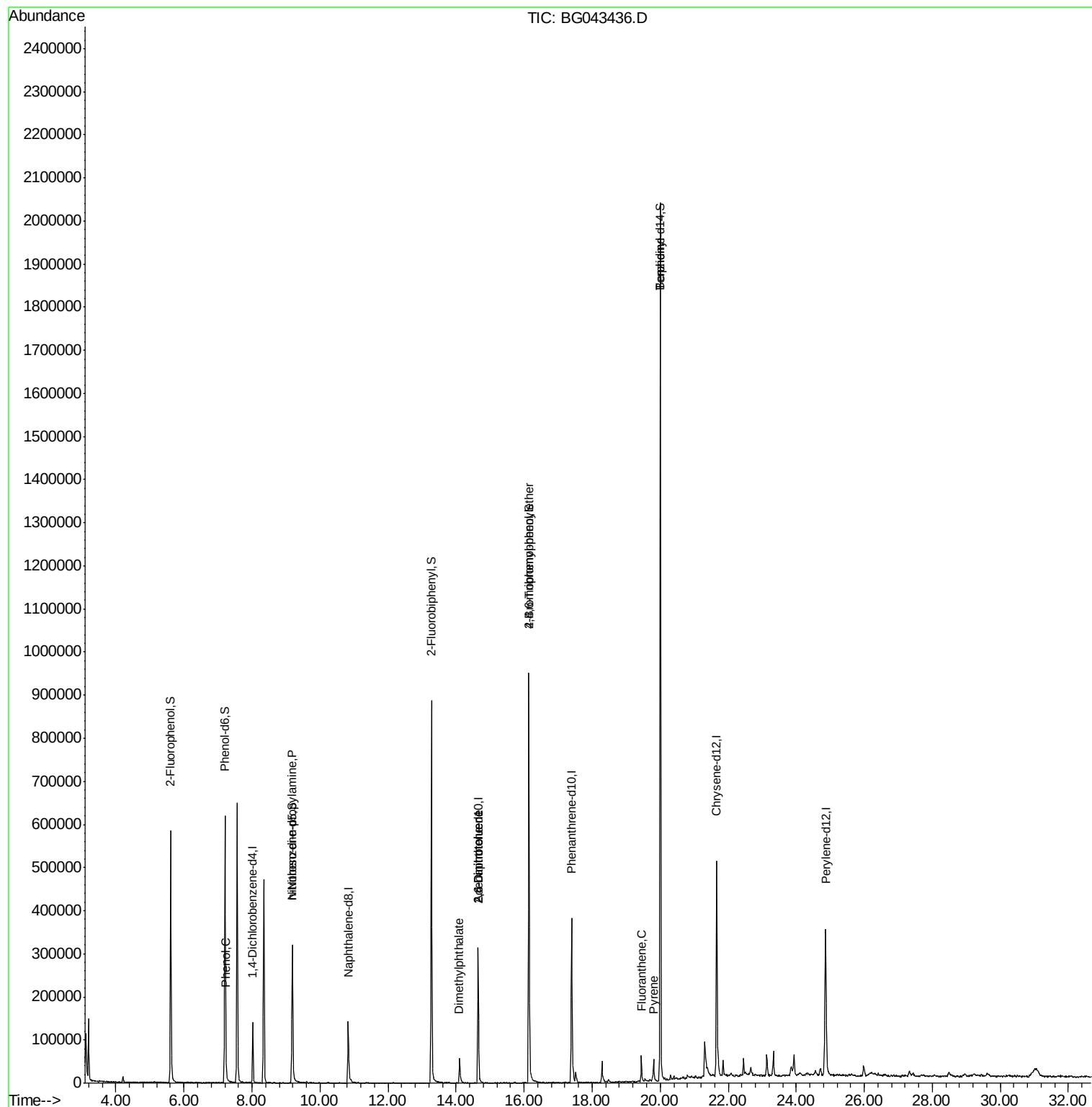
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	8711	2.788	ng	81
19) n-Nitroso-di-n-propylamine	9.19	70	32148	14.550	ng	# 71
50) Dimethylphthalate	14.10	163	60168	6.581	ng	99
51) 2,6-Dinitrotoluene	14.65	165	16347	8.230	ng	# 25
57) 2,4-Dinitrotoluene	14.65	165	16347	5.759	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	15198	3.928	ng	# 1
75) Fluoranthene	19.45	202	44394	2.313	ng	96
77) Benzidine	20.00	184	14454	2.181	ng	# 92
78) Pyrene	19.81	202	41711	2.046	ng	96

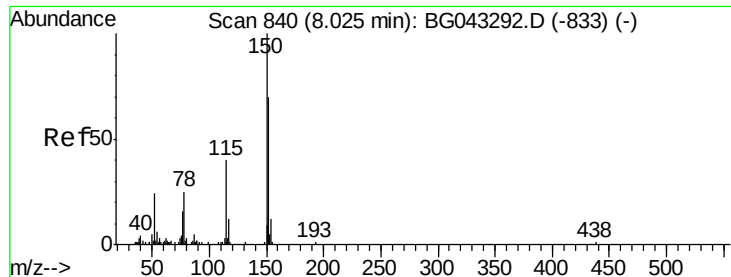
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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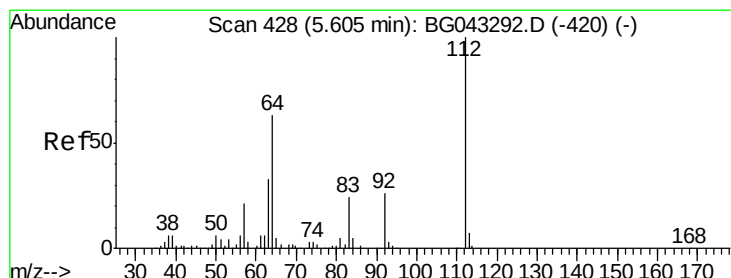
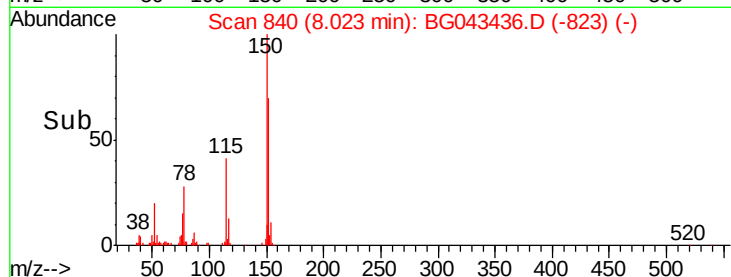
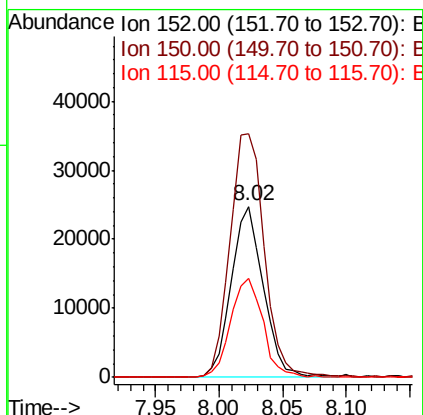
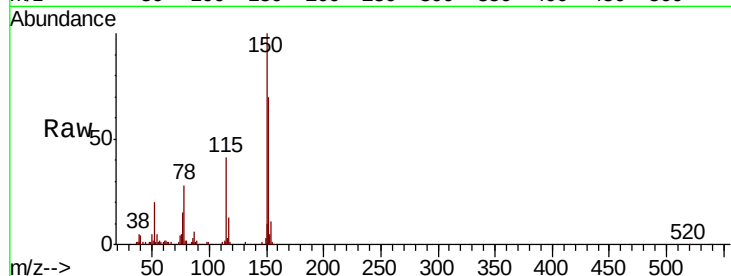


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043436.D
Acq: 31 Oct 2019 16:27

Instrument :
BNA_G
ClientSampleId :

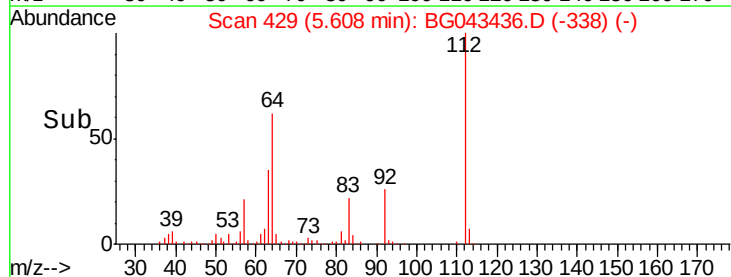
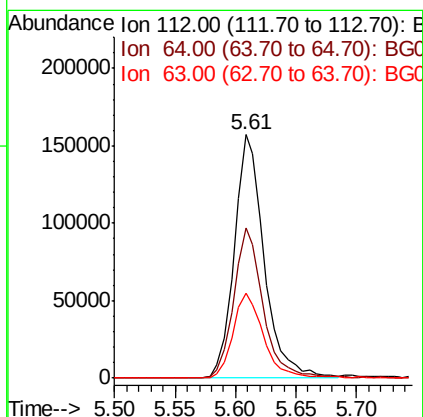
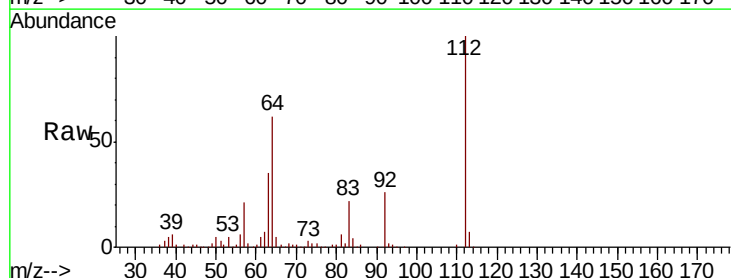
Tot Ion	Ratio	Lower	Upper
152	100		
150	142.4	113.6	170.4
115	57.8	45.9	68.9

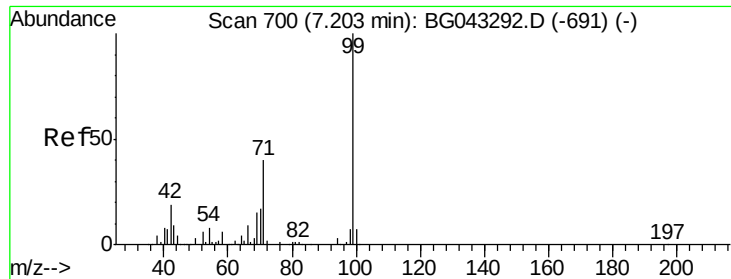


#5

2-Fluorophenol
Concen: 114.044 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043436.D
Acq: 31 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	50.2	75.2
63	34.6	26.7	40.1





#7

Phenol-d6

Concen: 114.467 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043436.D

Acq: 31 Oct 2019 16:27

Instrument :

BNA_G

ClientSampled :

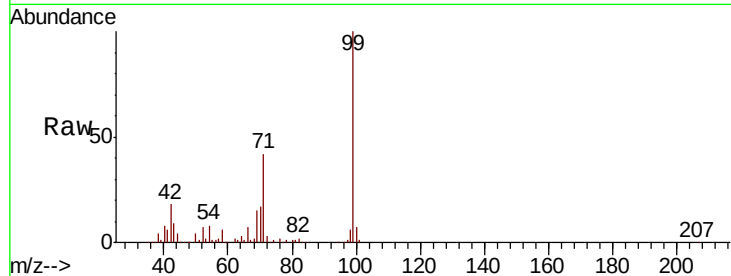
Tot Ion: 99 Resp: 391387

Ion Ratio Lower Upper

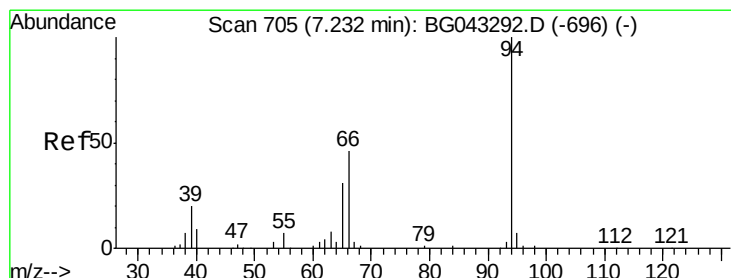
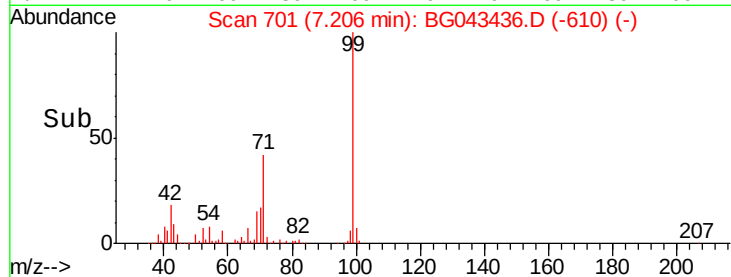
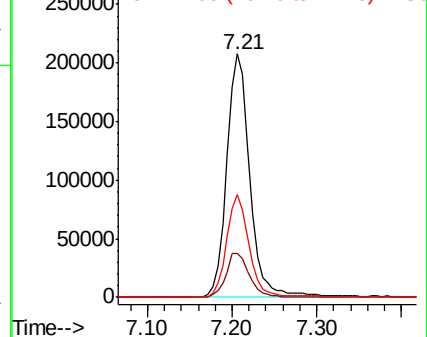
99 100

42 18.0 14.9 22.3

71 42.1 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: 2.788 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG043436.D

Acq: 31 Oct 2019 16:27

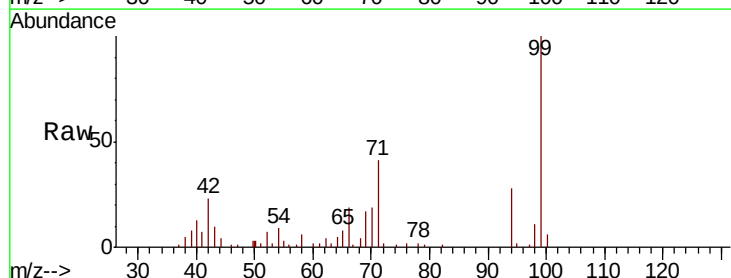
Tgt Ion: 94 Resp: 8711

Ion Ratio Lower Upper

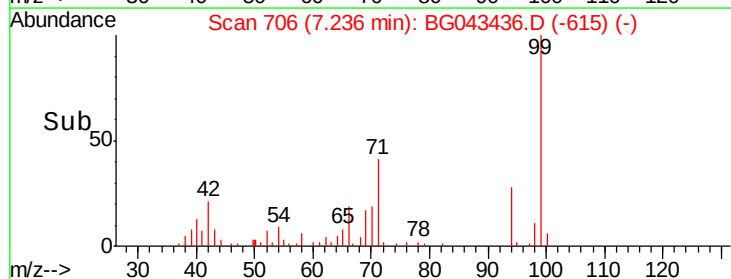
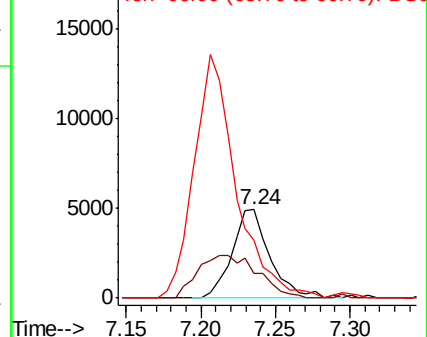
94 100

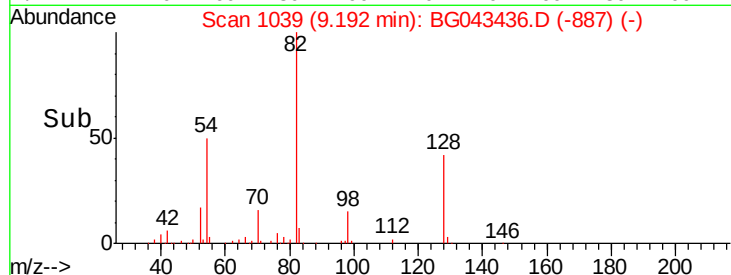
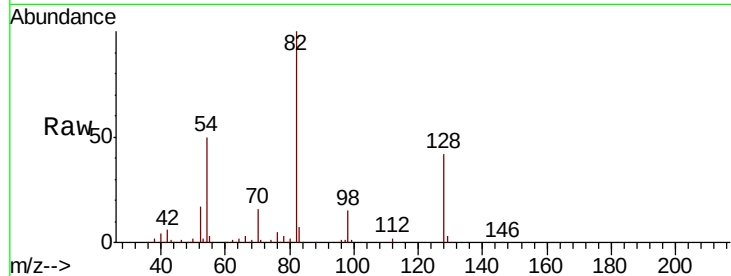
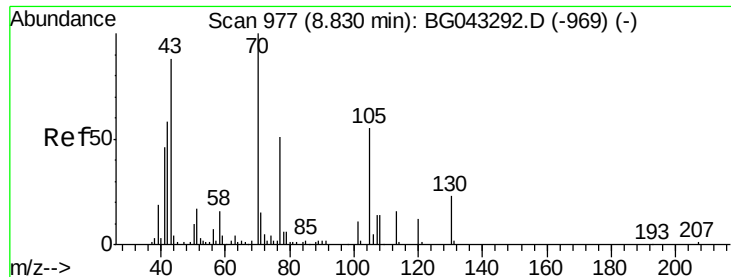
65 27.6 11.1 51.1

66 66.1 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

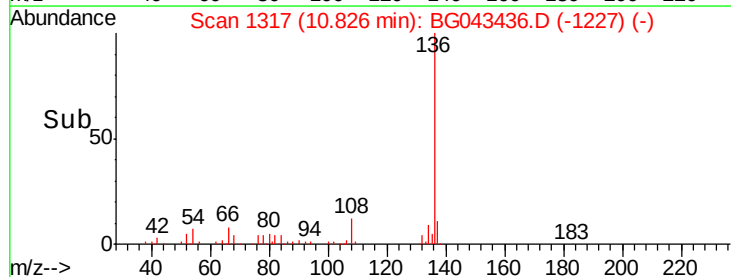
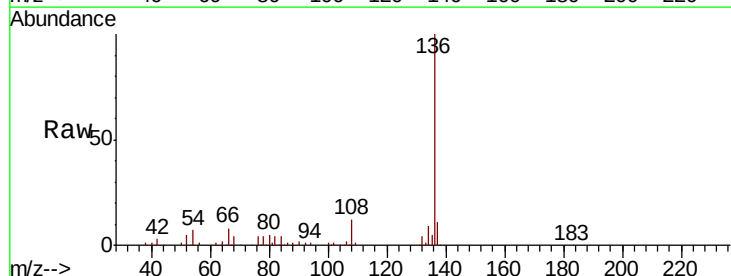
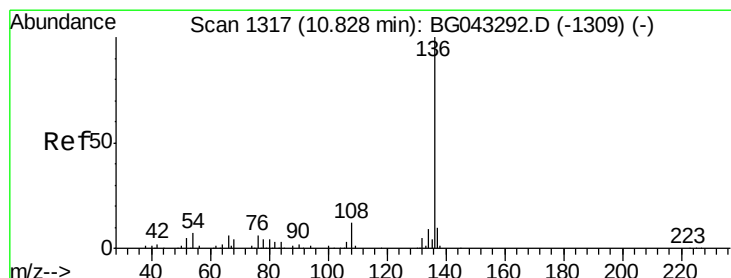
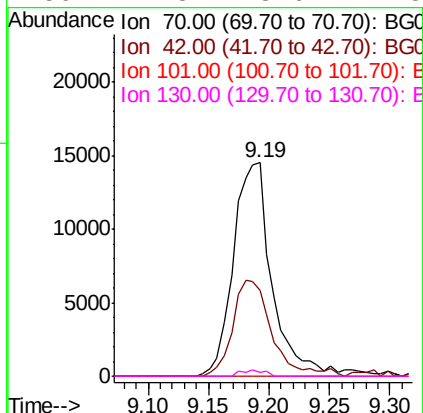




#19
n-Nitroso-di-n-propylamine
Concen: 14.550 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.36 min
Lab File: BG043436.D
Acq: 31 Oct 2019 16:27

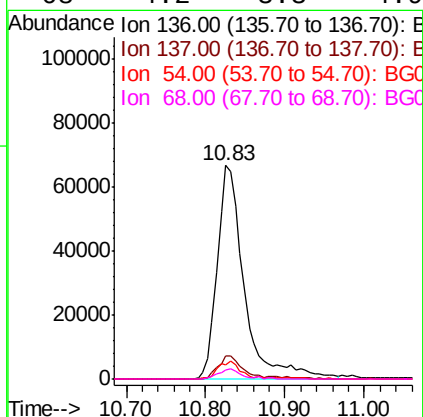
Instrument :
BNA_G
ClientSampleId :

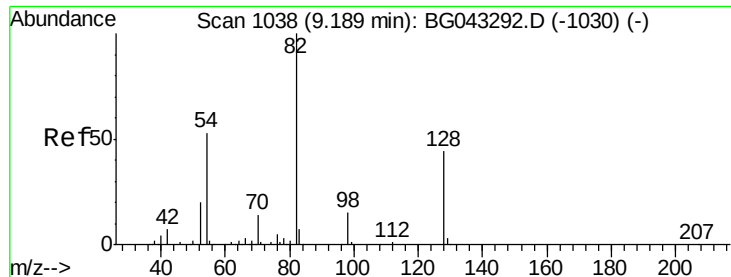
Tot Ion: 70 Resp: 32148
Ion Ratio Lower Upper
70 100
42 40.2 46.2 69.2#
101 0.0 8.6 13.0#
130 1.8 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043436.D
Acq: 31 Oct 2019 16:27

Tgt Ion: 136 Resp: 157403
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.2
54 6.8 5.4 8.2
68 4.2 3.3 4.9

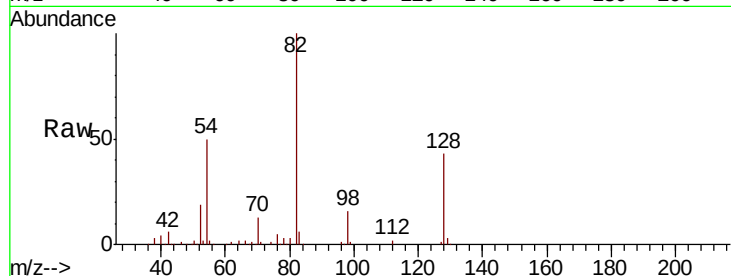




#23
Nitrobenzene-d5
Concen: 76.546 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043436.D
Acq: 31 Oct 2019 16:27

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	233704
Ion Ratio	Lower	Upper	
82	100		
128	42.5	35.3	52.9
54	49.7	42.3	63.5

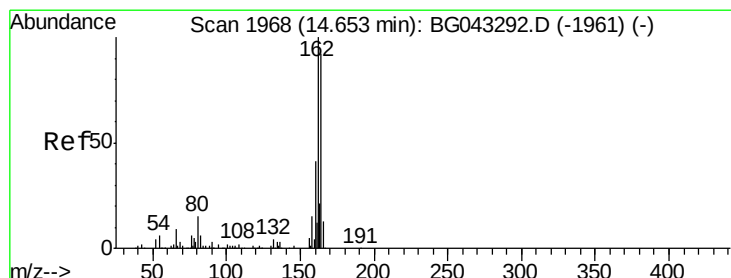
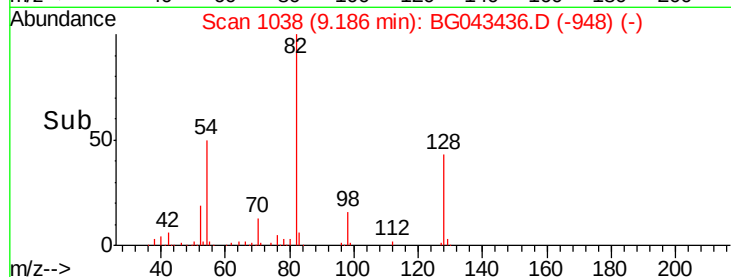
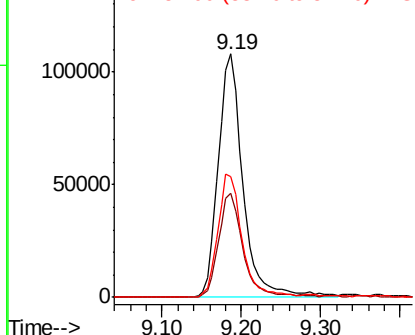


Abundance

Ion 82.00 (81.70 to 82.70): BGC

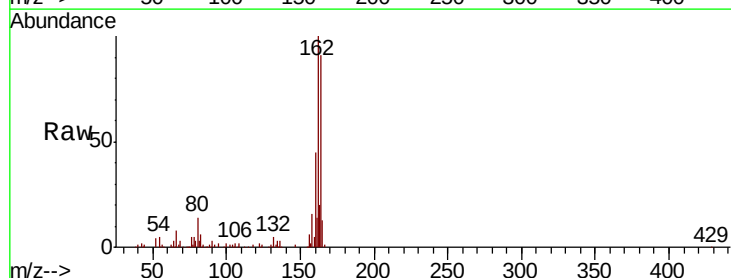
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043436.D
Acq: 31 Oct 2019 16:27

Tgt Ion	164	Resp	118040
Ion Ratio	Lower	Upper	
164	100		
162	109.7	87.0	130.4
160	49.9	35.5	53.3

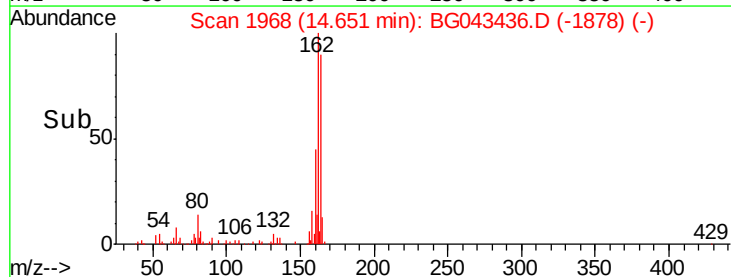
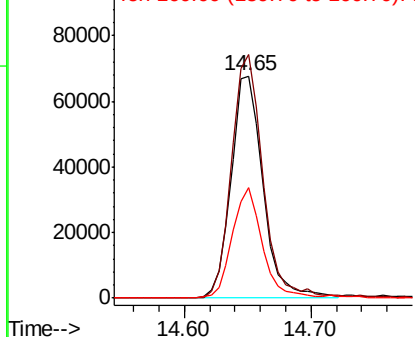


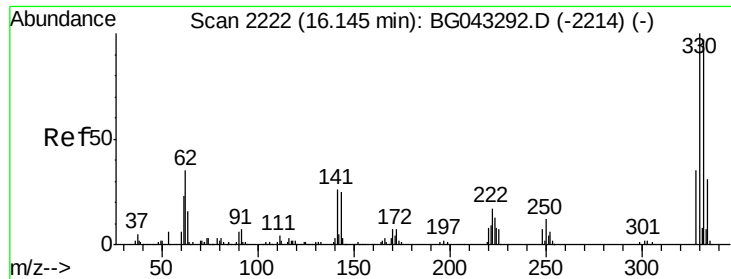
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

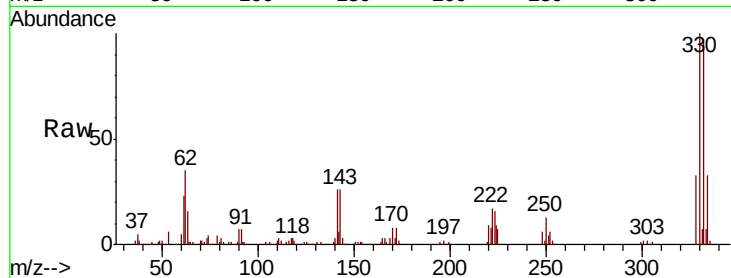




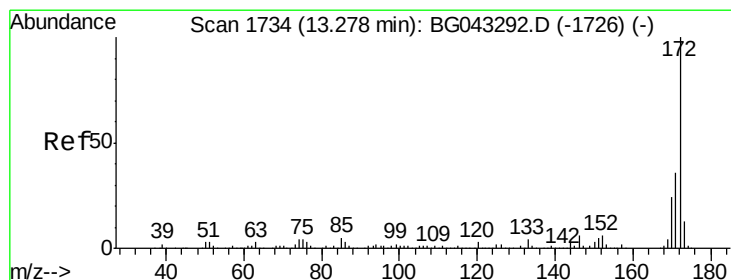
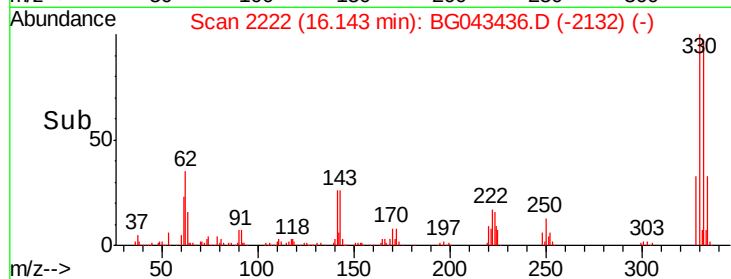
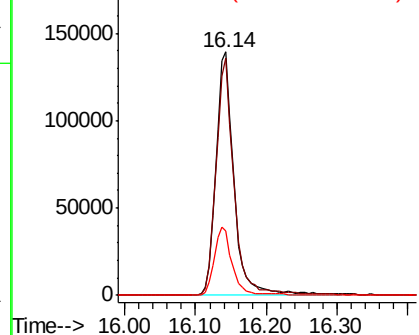
#42
 2,4,6-Tribromophenol
 Concen: 110.504 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043436.D
 Acq: 31 Oct 2019 16:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.4	114.6
141	27.8	21.4	32.0

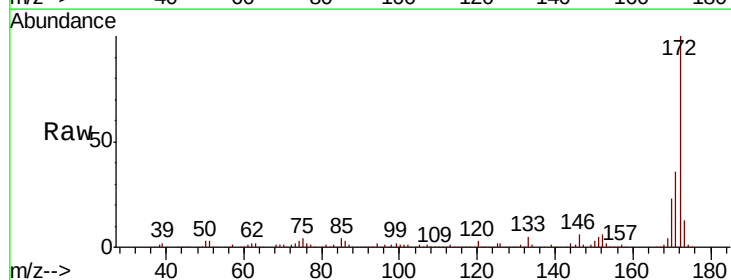


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

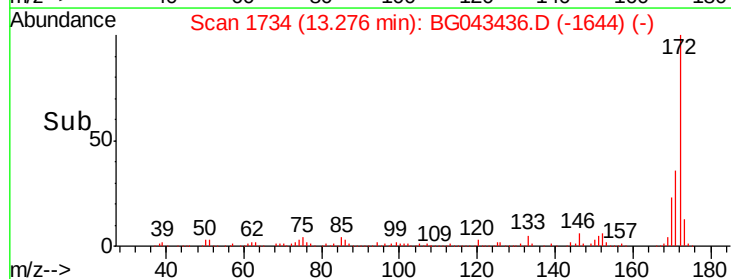
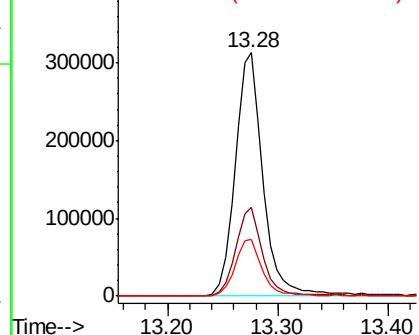


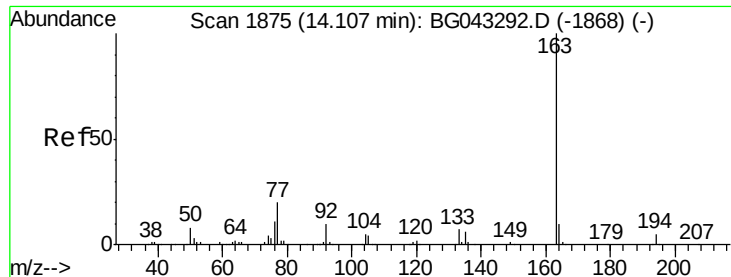
#45
 2-Fluorobiphenyl
 Concen: 64.201 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043436.D
 Acq: 31 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.5	42.7
170	23.1	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: 6.581 ng

RT: 14.10 min Scan# 1874

Delta R.T. -0.01 min

Lab File: BG043436.D

Acq: 31 Oct 2019 16:27

Instrument :

BNA_G

ClientSampleId :

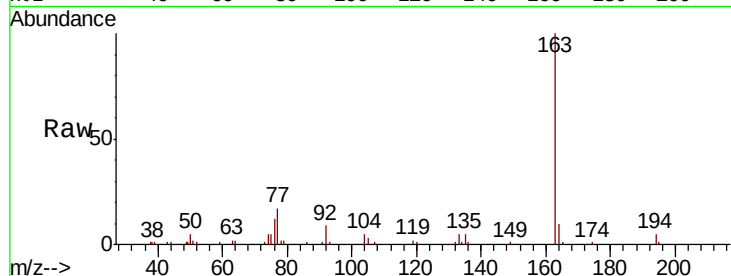
Tot Ion:163 Resp: 60168

Ion Ratio Lower Upper

163 100

194 4.9 3.7 5.5

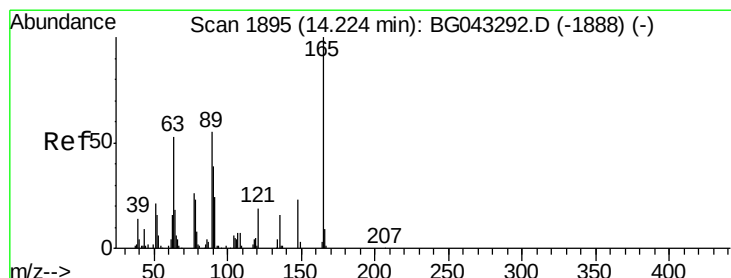
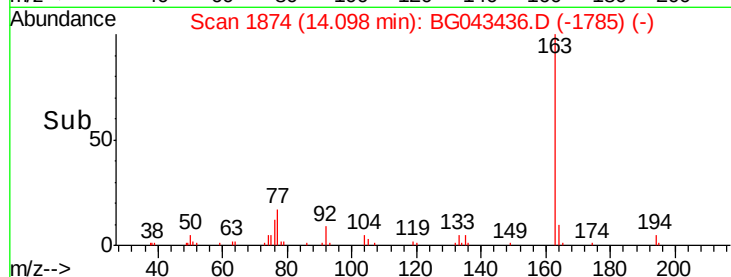
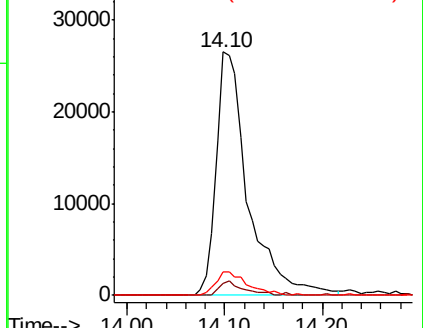
164 9.8 8.1 12.1



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



#51

2,6-Dinitrotoluene

Concen: 8.230 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.43 min

Lab File: BG043436.D

Acq: 31 Oct 2019 16:27

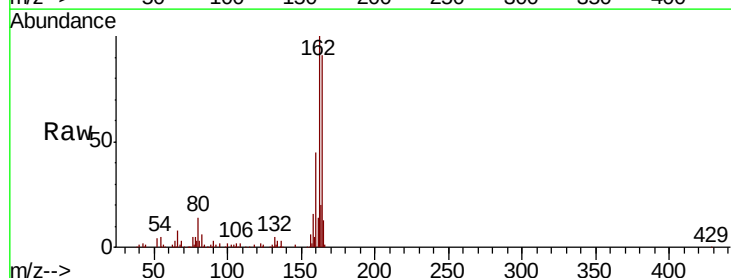
Tgt Ion:165 Resp: 16347

Ion Ratio Lower Upper

165 100

63 1.6 47.1 70.7#

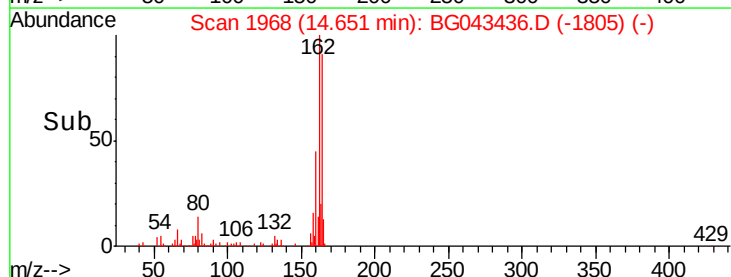
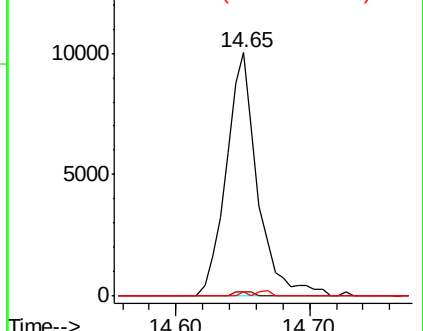
89 1.6 43.7 65.5#

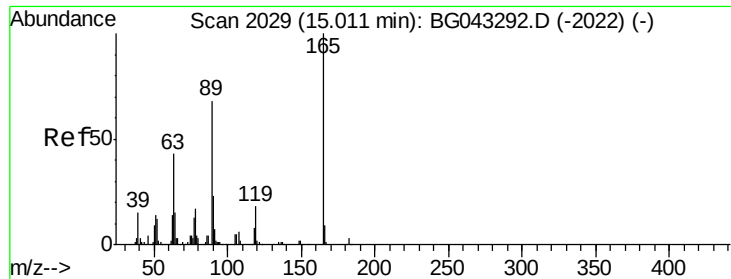


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

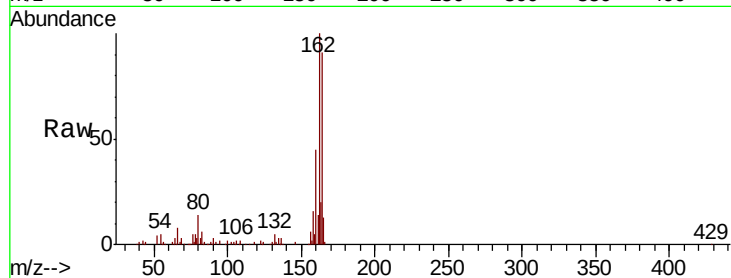




#57
 2,4-Dinitrotoluene
 Concen: 5.759 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043436.D
 Acq: 31 Oct 2019 16:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	35.0	52.6#
89	1.6	54.1	81.1#
182	0.0	2.2	3.2#



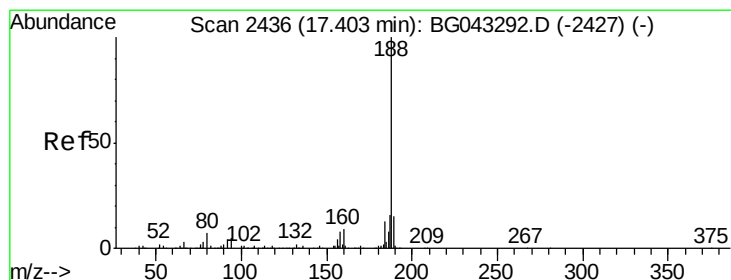
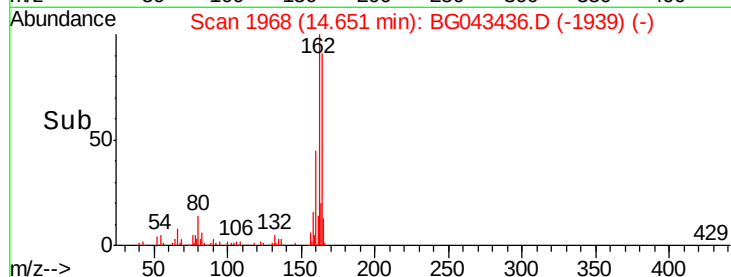
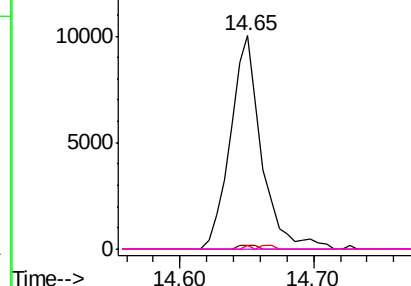
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

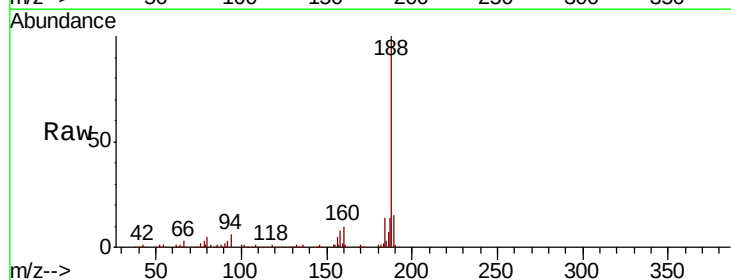
Ion 89.00 (88.70 to 89.70): BGC

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: BG043436.D
 Acq: 31 Oct 2019 16:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.2	6.2
80	5.4	5.2	7.8

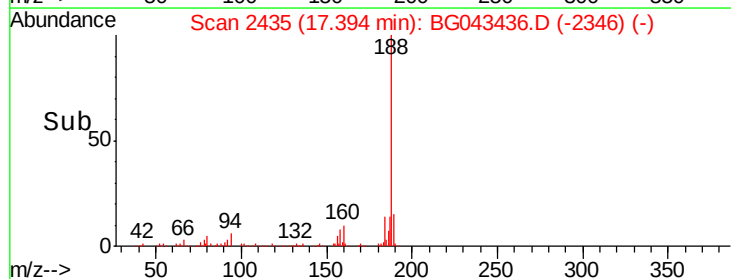
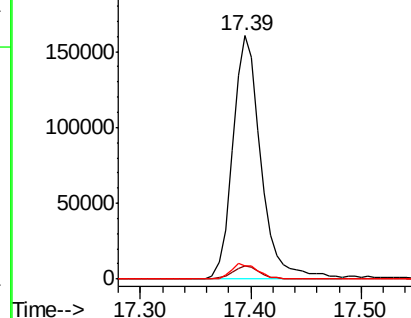


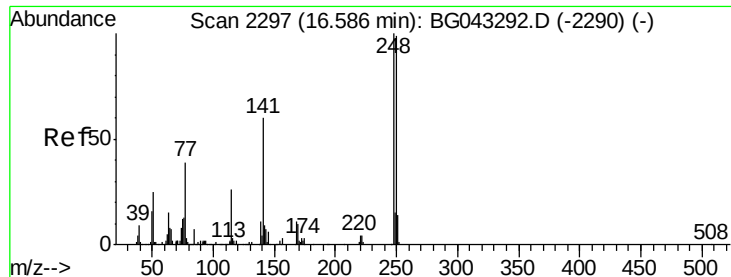
Abundance

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

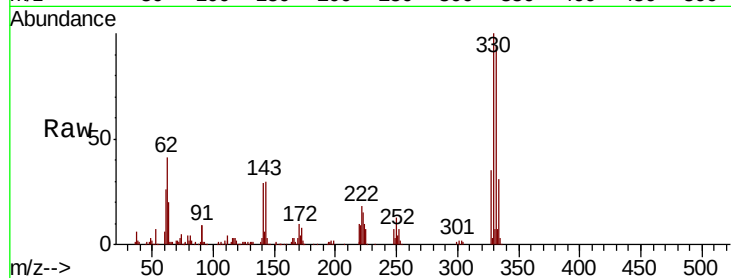




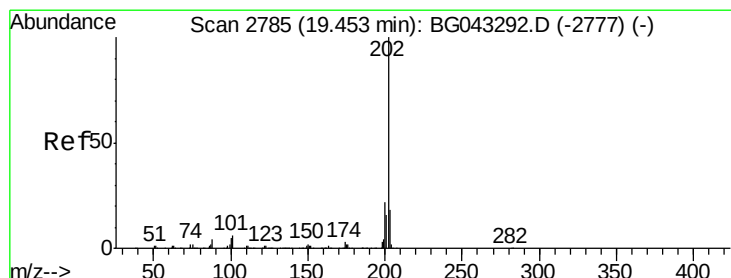
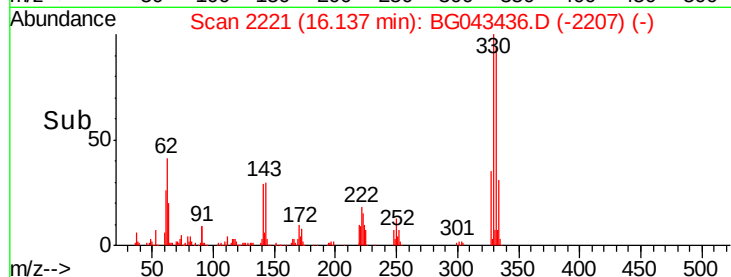
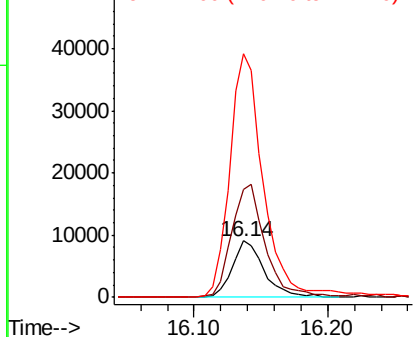
#67
 4-Bromophenyl-phenylether
 Concen: 3.928 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG043436.D
 Acq: 31 Oct 2019 16:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15198
 Ion Ratio Lower Upper
 248 100
 250 190.8 79.3 118.9#
 141 432.6 47.9 71.9#

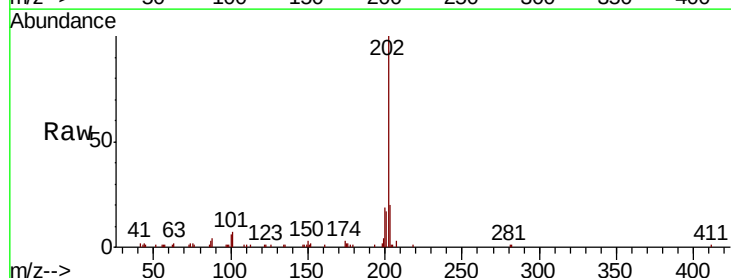


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

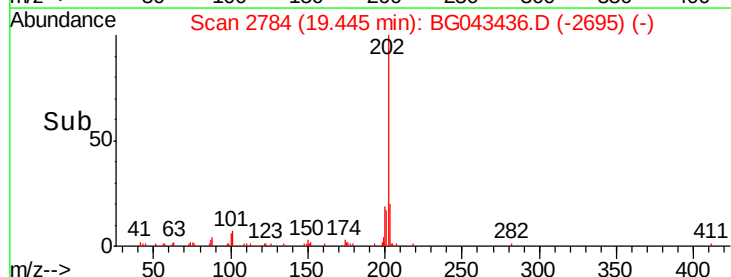
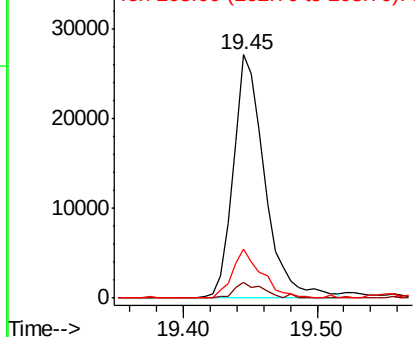


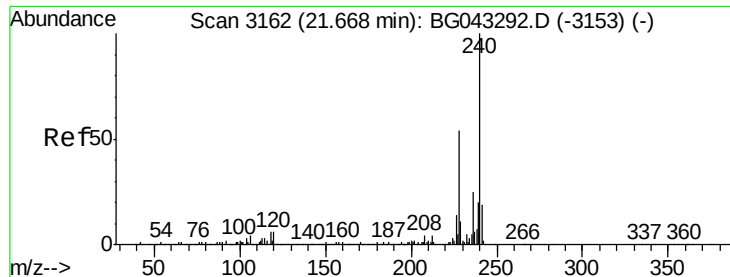
#75
 Fluoranthene
 Concen: 2.313 ng
 RT: 19.45 min Scan# 2784
 Delta R.T. -0.01 min
 Lab File: BG043436.D
 Acq: 31 Oct 2019 16:27

Tgt Ion:202 Resp: 44394
 Ion Ratio Lower Upper
 202 100
 101 6.7 0.0 26.0
 203 20.1 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043436.D

Acq: 31 Oct 2019 16:27

Instrument :

BNA_G

ClientSampled :

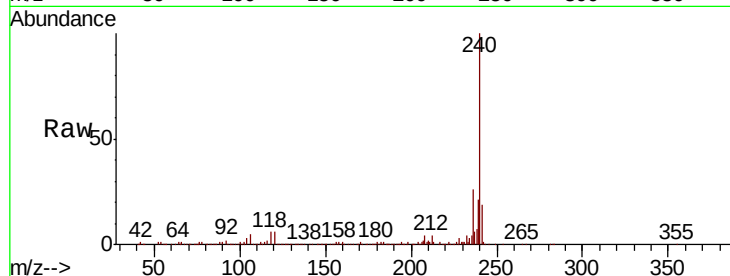
Tot Ion:240 Resp: 329305

Ion Ratio Lower Upper

240 100

120 6.3 4.6 7.0

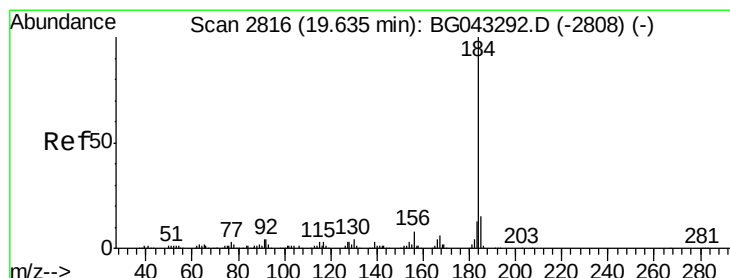
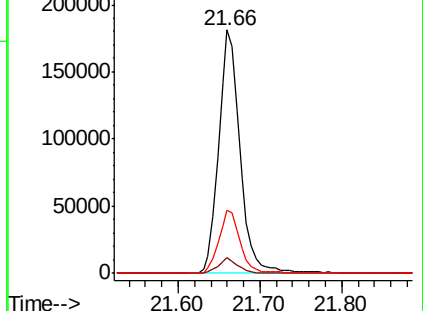
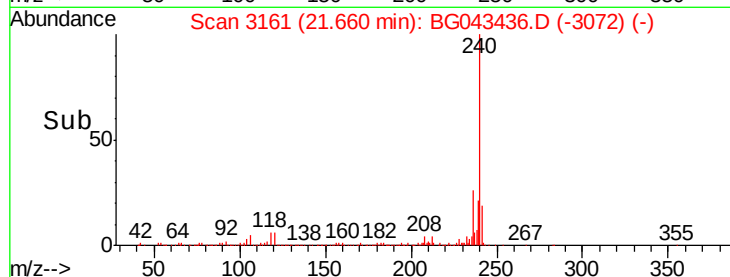
236 25.9 20.2 30.4



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: 2.181 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043436.D

Acq: 31 Oct 2019 16:27

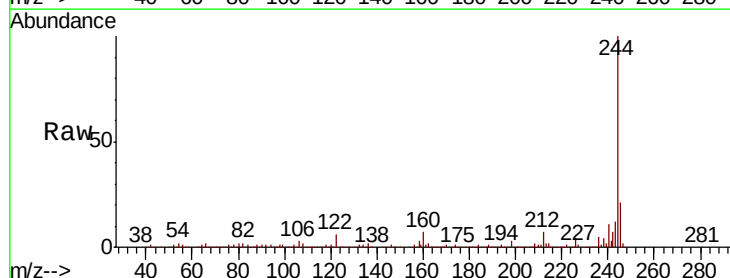
Tgt Ion:184 Resp: 14454

Ion Ratio Lower Upper

184 100

185 19.5 11.8 17.6#

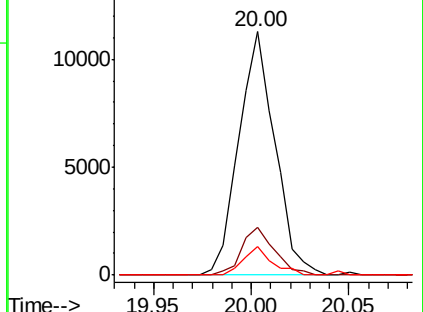
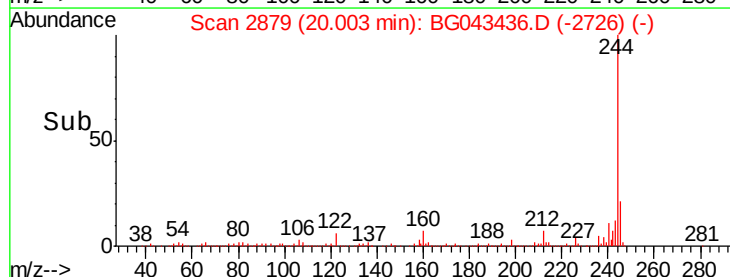
183 12.0 10.6 16.0

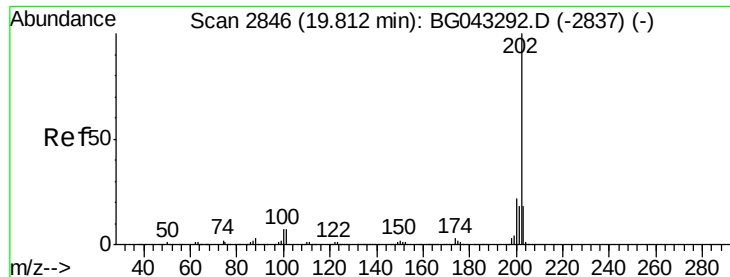


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 2.046 ng

RT: 19.81 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG043436.D

Acq: 31 Oct 2019 16:27

Instrument :

BNA_G

ClientSampleId :

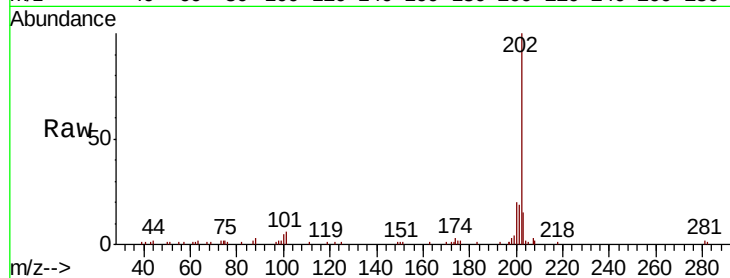
Tot Ion:202 Resp: 41711

Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

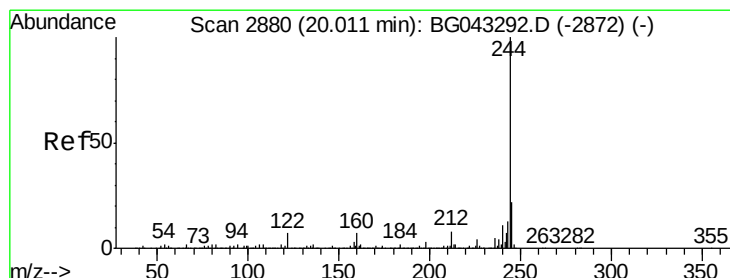
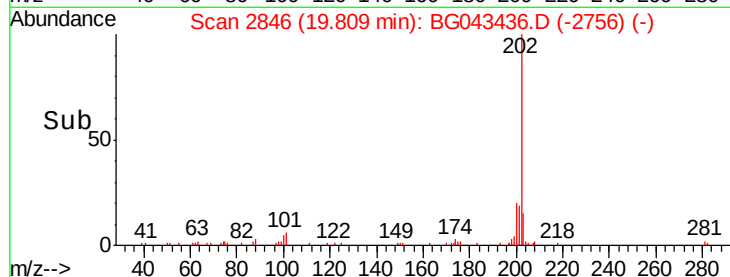
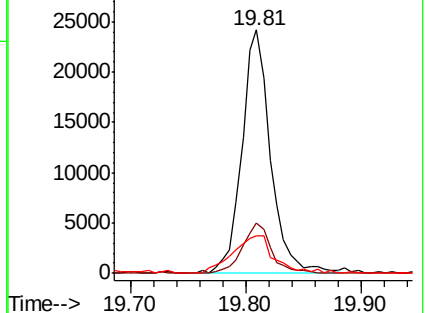
203 15.4 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 59.660 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043436.D

Acq: 31 Oct 2019 16:27

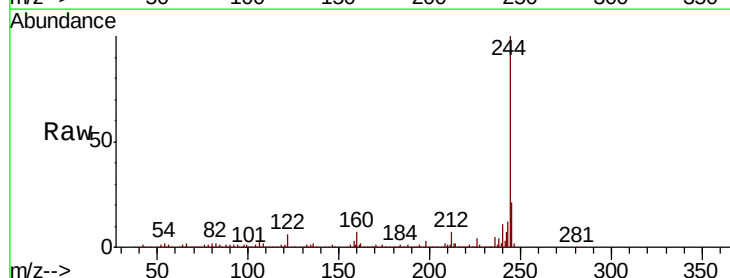
Tgt Ion:244 Resp: 1047206

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

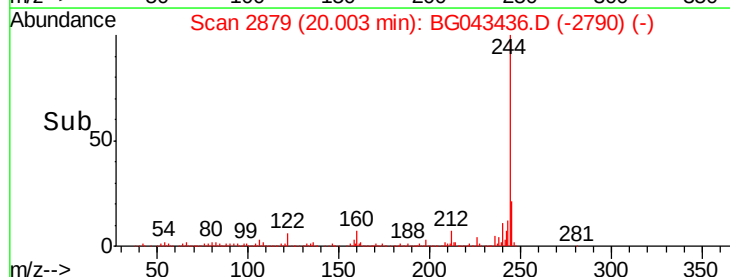
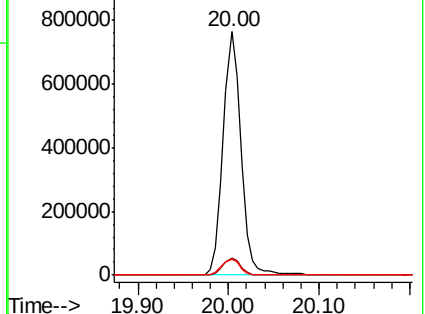
122 6.5 5.3 7.9

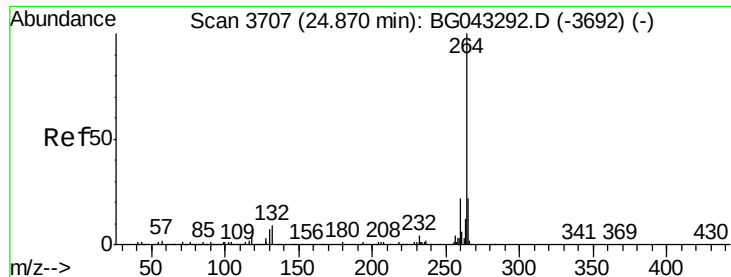


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG043436.D
Acq: 31 Oct 2019 16:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.9	26.9
265	22.6	17.4	26.2

