

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043443.D
 Acq On : 31 Oct 2019 20:59
 Operator : JU
 Sample : K5615-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 04:02:10 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

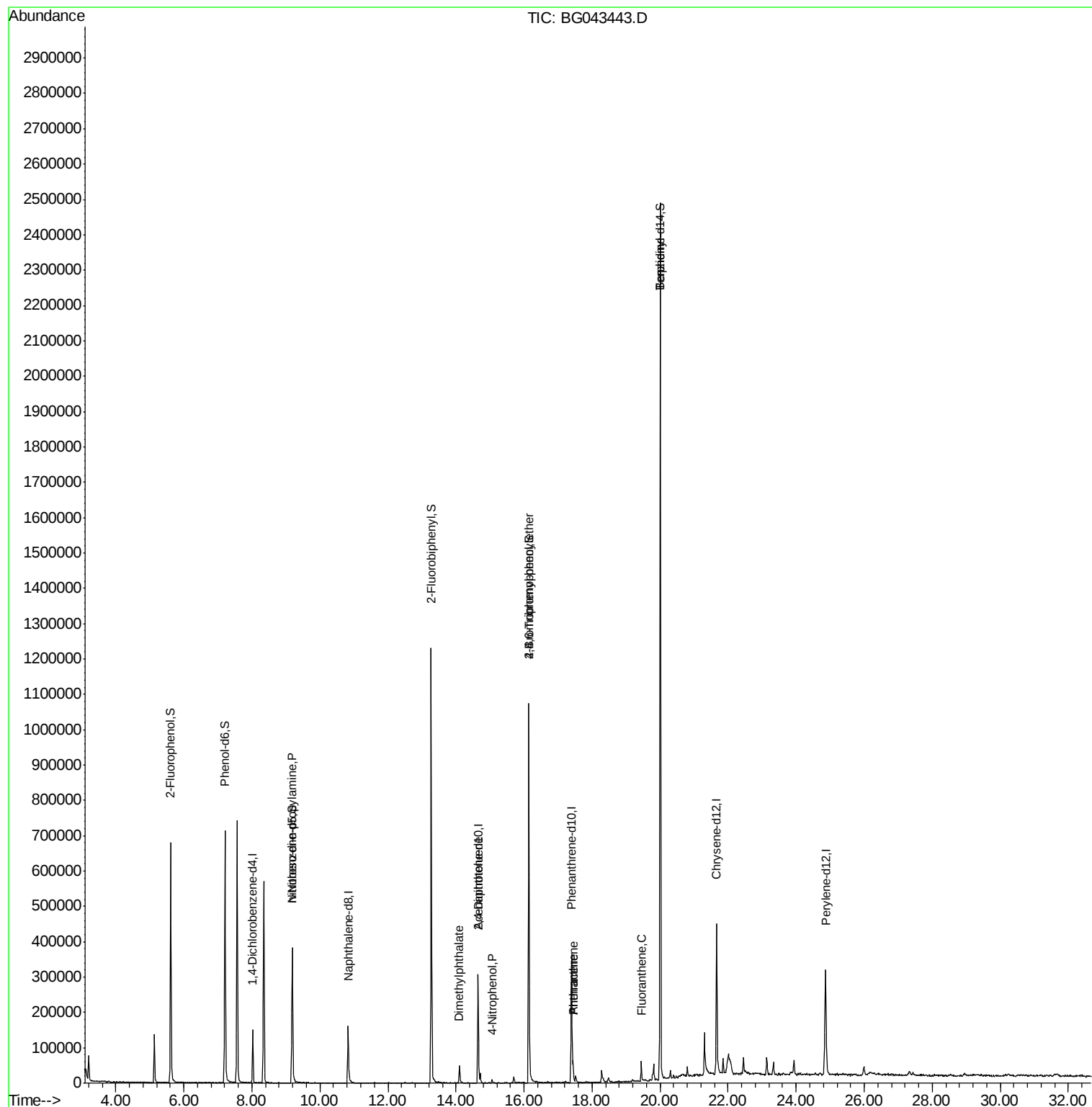
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	46902	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	164667	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	118109	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	265812	20.00	ng	0.00
76) Chrysene-d12	21.66	240	275729	20.00	ng	0.00
87) Perylene-d12	24.86	264	333022	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	320583	125.25	ng	0.00
7) Phenol-d6	7.21	99	441540	119.90	ng	0.00
23) Nitrobenzene-d5	9.18	82	265401	83.09	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	266450	118.55	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	717522	83.95	ng	0.00
79) Terphenyl-d14	20.01	244	1337489	91.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	35828	15.056	ng	Qvalue # 73
50) Dimethylphthalate	14.10	163	43153	4.717	ng	98
56) 4-Nitrophenol	15.06	139	3139	2.441	ng	# 2
57) 2,4-Dinitrotoluene	14.65	165	17109	6.024	ng	# 24
67) 4-Bromophenyl-phenylether	16.13	248	17996	5.031	ng	# 1
71) Phenanthrene	17.44	178	39121	2.874	ng	98
72) Anthracene	17.44	178	39121	2.873	ng	99
75) Fluoranthene	19.45	202	40684	2.293	ng	95
77) Benzydine	20.01	184	19054	3.434	ng	# 93

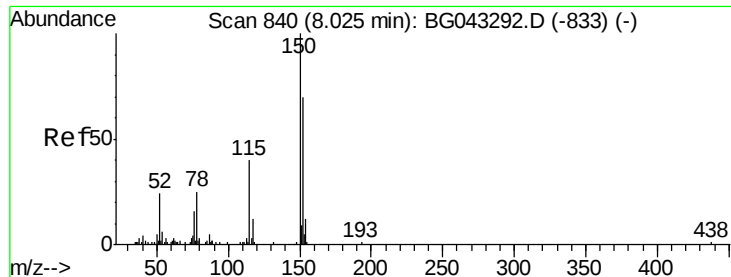
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
Data File : BG043443.D
Acq On : 31 Oct 2019 20:59
Operator : JU
Sample : K5615-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Nov 01 04:02:10 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



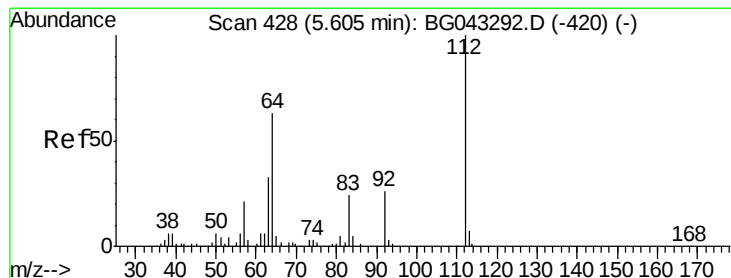
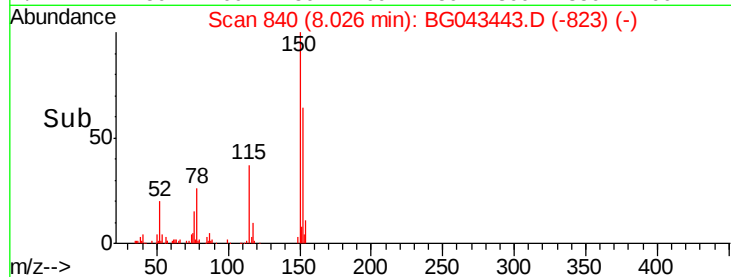
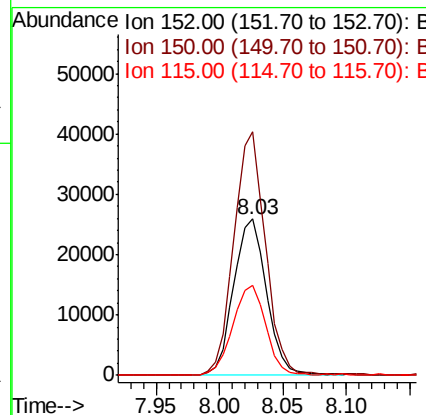
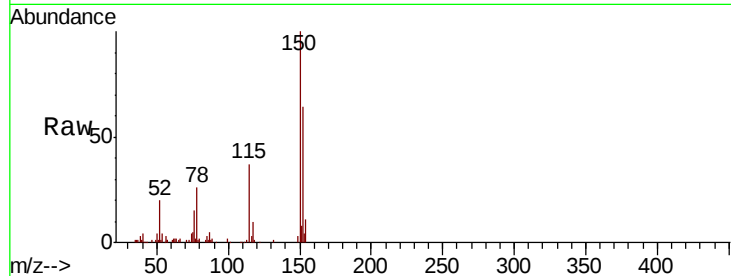


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG043443.D
Acq: 31 Oct 2019 20:59

Instrument :
BNA_G
ClientSampled :

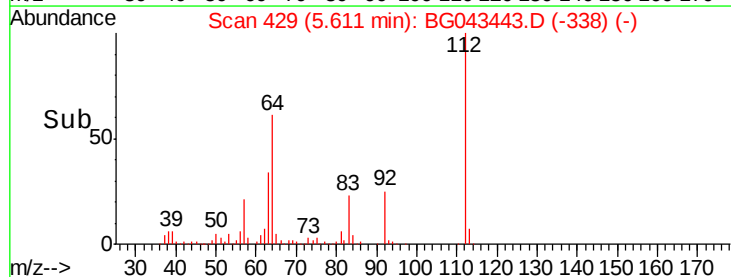
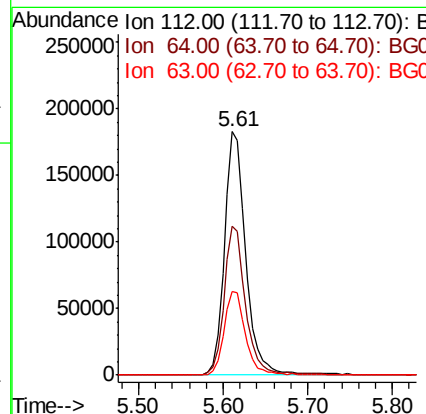
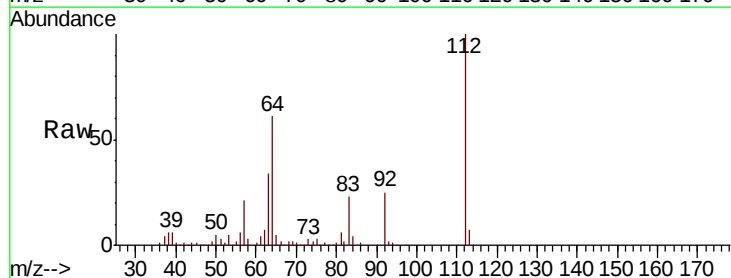
Tot Ion:152 Resp: 46902
Ion Ratio Lower Upper
152 100
150 155.7 113.6 170.4
115 57.2 45.9 68.9

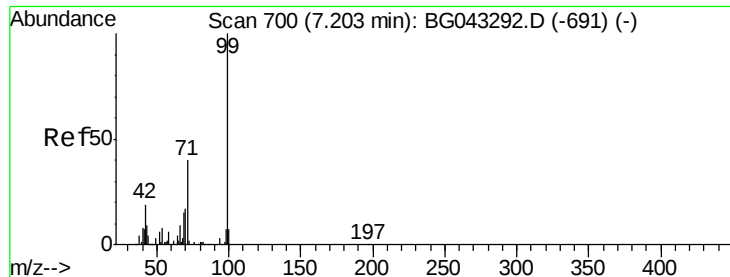


#5

2-Fluorophenol
Concen: 125.251 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043443.D
Acq: 31 Oct 2019 20:59

Tgt Ion:112 Resp: 320583
Ion Ratio Lower Upper
112 100
64 61.1 50.2 75.2
63 34.5 26.7 40.1





#7

Phenol-d6

Concen: 119.900 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043443.D

Acq: 31 Oct 2019 20:59

Instrument :

BNA_G

ClientSampleId :

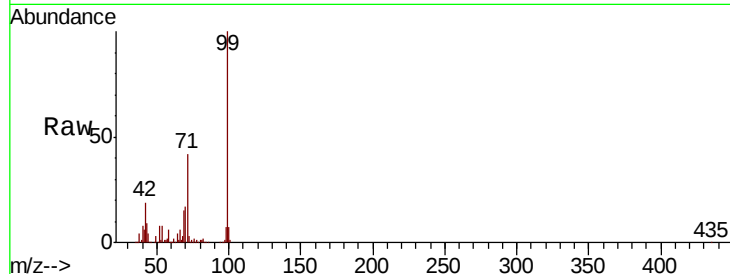
Tot Ion: 99 Resp: 441540

Ion Ratio Lower Upper

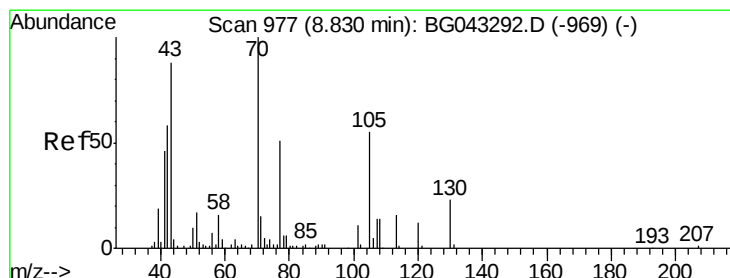
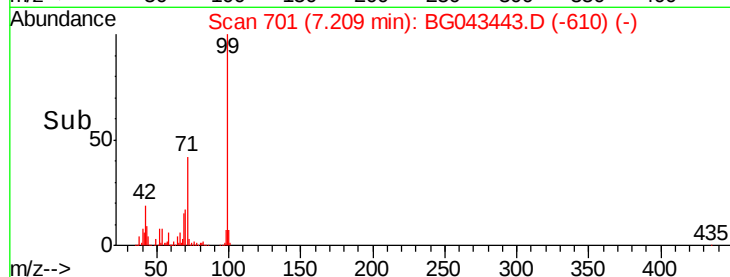
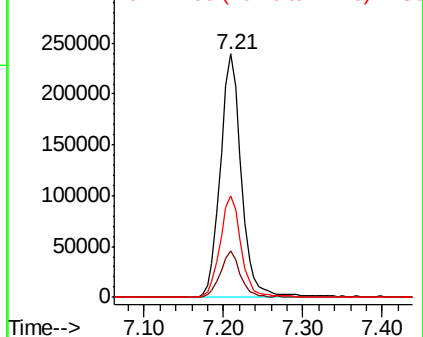
99 100

42 19.1 14.9 22.3

71 41.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.056 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043443.D

Acq: 31 Oct 2019 20:59

Tgt Ion: 70 Resp: 35828

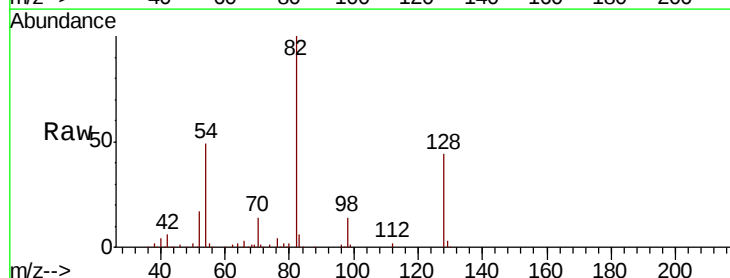
Ion Ratio Lower Upper

70 100

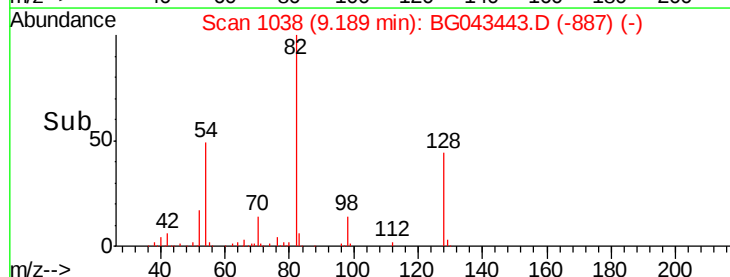
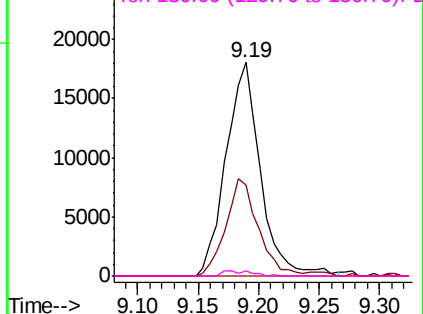
42 42.8 46.2 69.2#

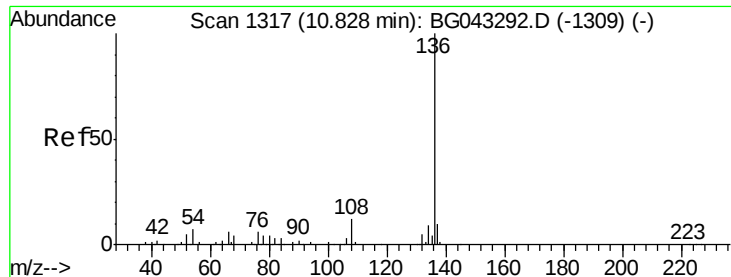
101 0.0 8.6 13.0#

130 2.7 18.6 27.8#



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

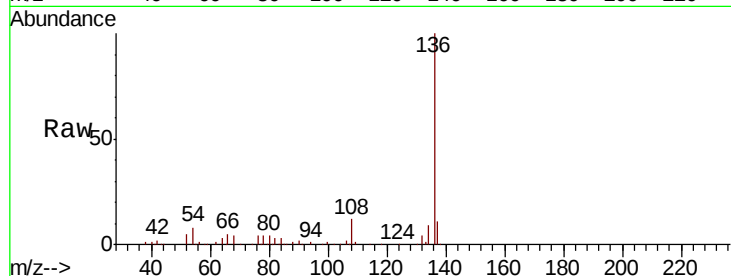




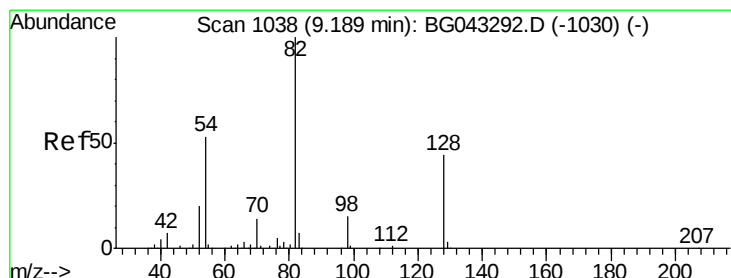
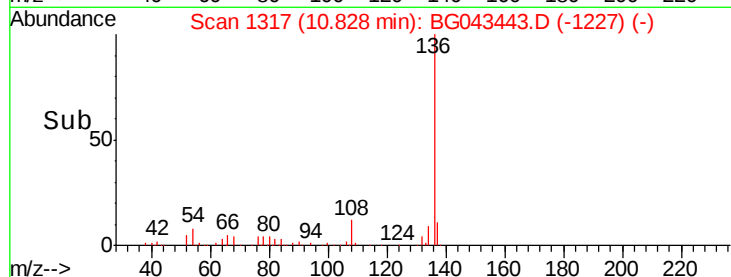
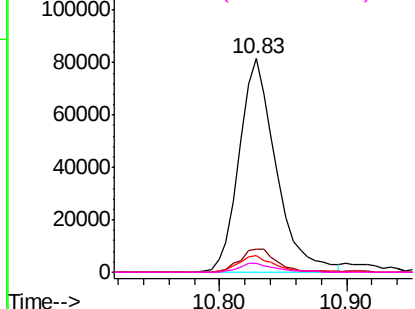
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG043443.D
Acq: 31 Oct 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	164667
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.2 12.2
54	7.8	5.4 8.2
68	4.0	3.3 4.9

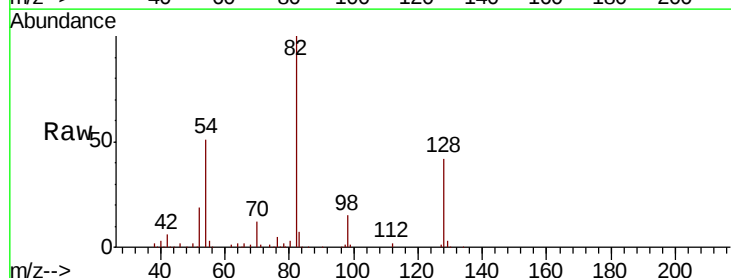


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

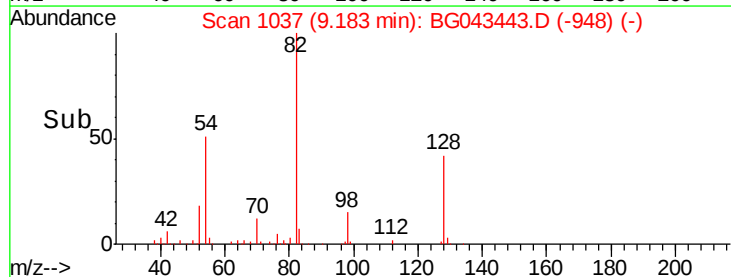
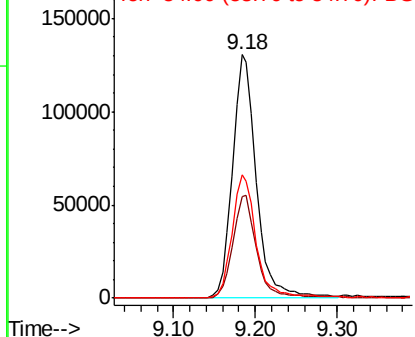


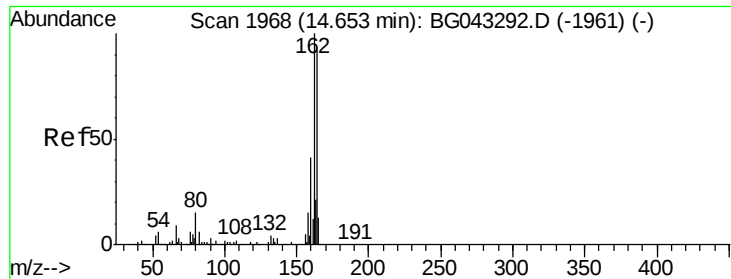
#23
Nitrobenzene-d5
Concen: 83.093 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG043443.D
Acq: 31 Oct 2019 20:59

Tgt Ion: 82	Resp:	265401
Ion	Ratio	Lower Upper
82	100	
128	41.7	35.3 52.9
54	50.8	42.3 63.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043443.D

Acq: 31 Oct 2019 20:59

Instrument :

BNA_G

ClientSampleId :

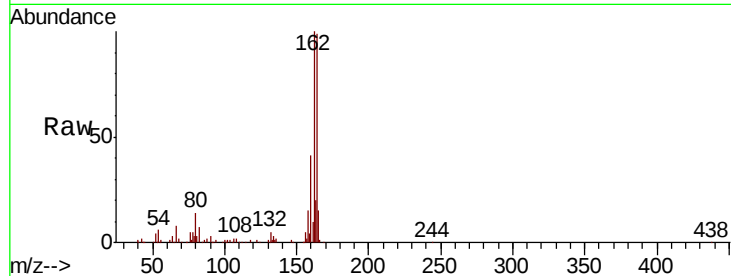
Tot Ion:164 Resp: 118109

Ion	Ratio	Lower	Upper
164	100		
162	100.6	87.0	130.4
160	41.6	35.5	53.3

164 100

162 100.6 87.0 130.4

160 41.6 35.5 53.3

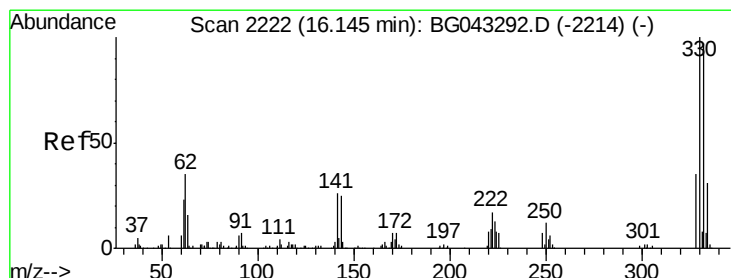
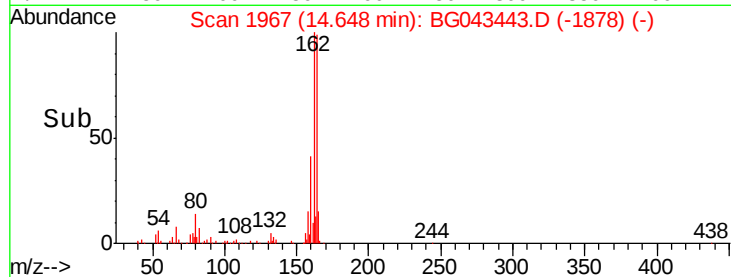
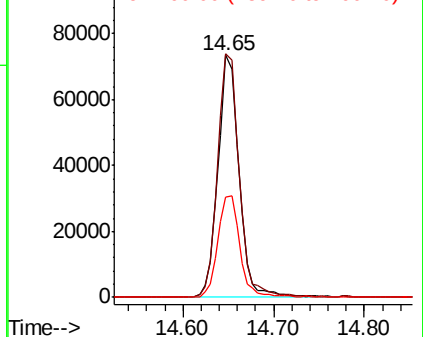


Abundance

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: 118.548 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043443.D

Acq: 31 Oct 2019 20:59

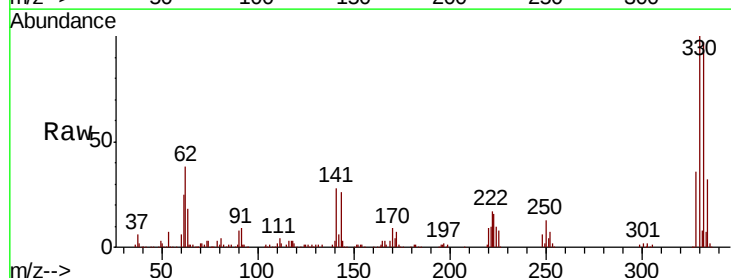
Tgt Ion:330 Resp: 266450

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.4	114.6
141	28.5	21.4	32.0

330 100

332 96.9 76.4 114.6

141 28.5 21.4 32.0

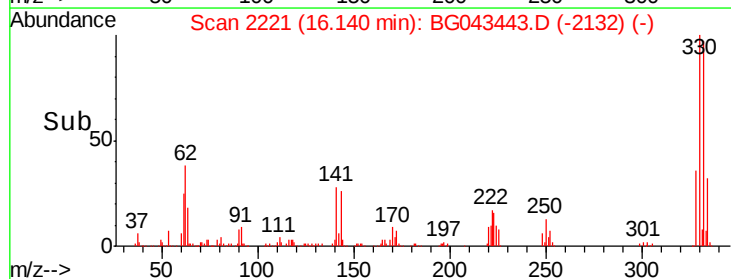
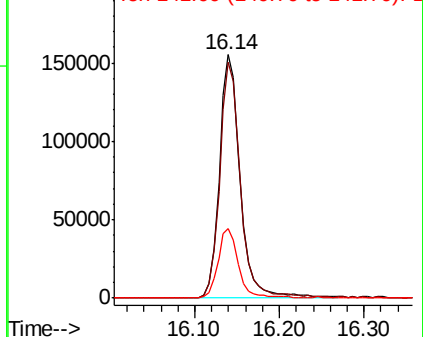


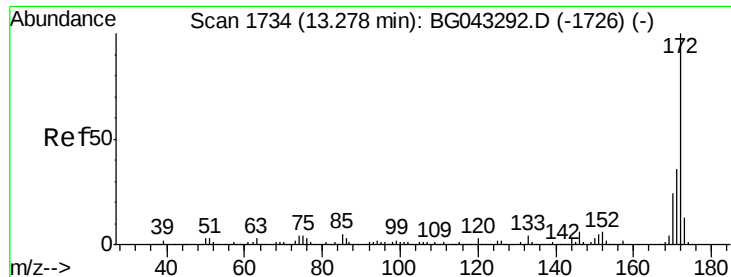
Abundance

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

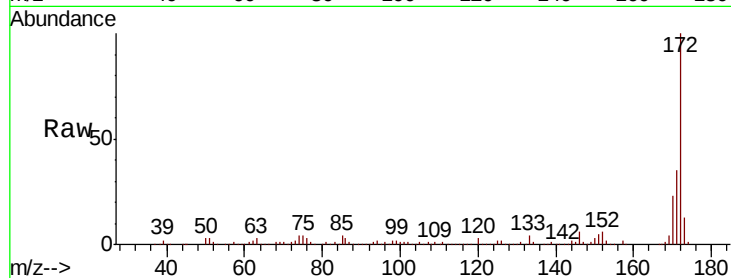




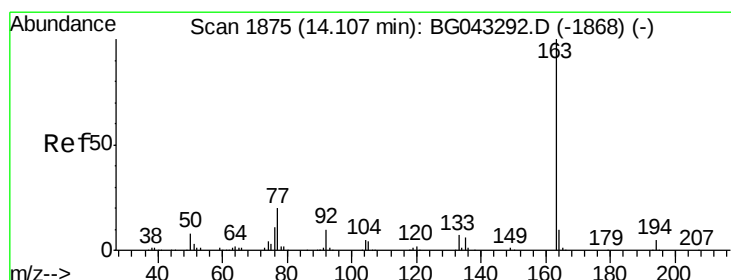
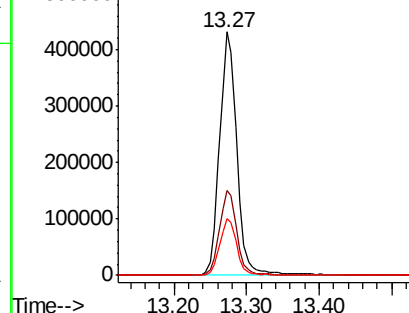
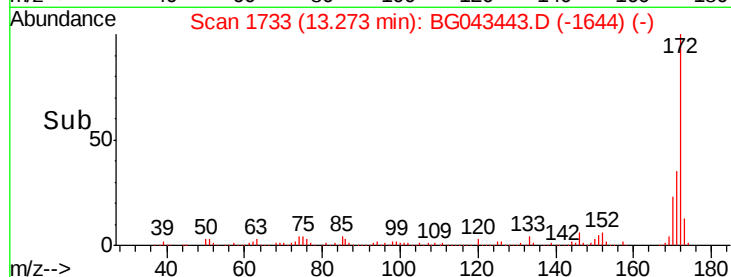
#45
 2-Fluorobiphenyl
 Concen: 83.946 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043443.D
 Acq: 31 Oct 2019 20:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 717522
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.4 18.8 28.2

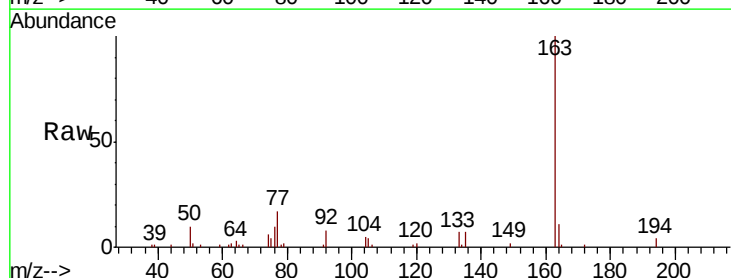


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

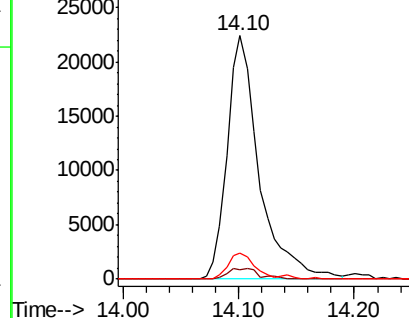
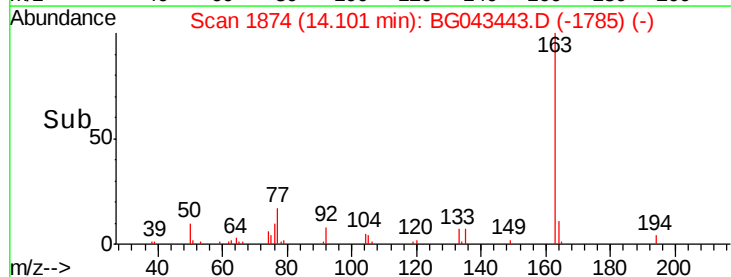


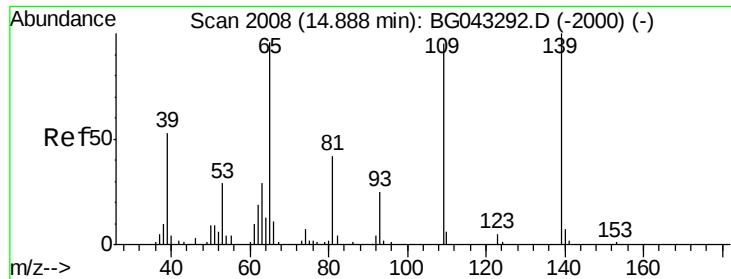
#50
 Dimethylphthalate
 Concen: 4.717 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043443.D
 Acq: 31 Oct 2019 20:59

Tgt Ion:163 Resp: 43153
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.7 5.5
 164 10.7 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

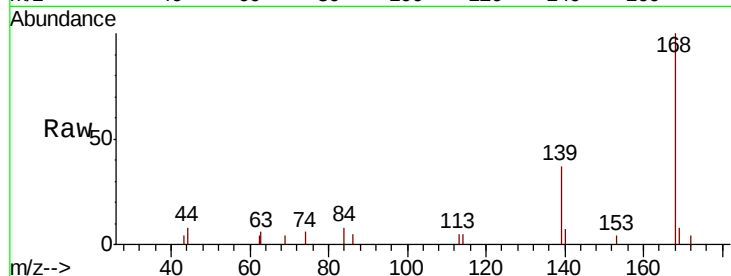




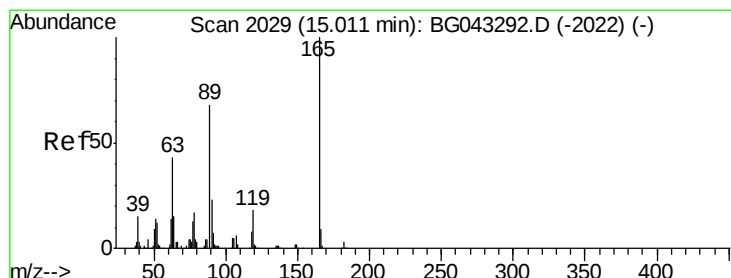
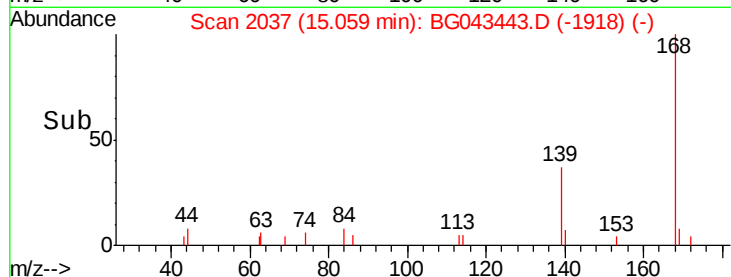
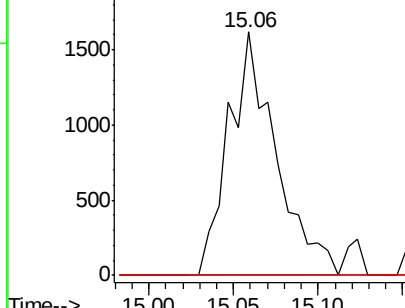
#56
4-Nitrophenol
Concen: 2.441 ng
RT: 15.06 min Scan# 2037
Delta R.T. 0.17 min
Lab File: BG043443.D
Acq: 31 Oct 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	75.4	115.4#
65	0.0	76.6	116.6#

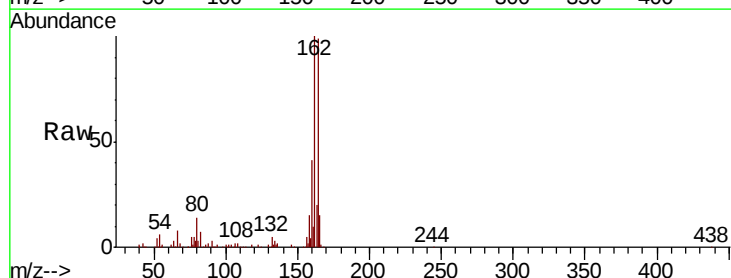


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

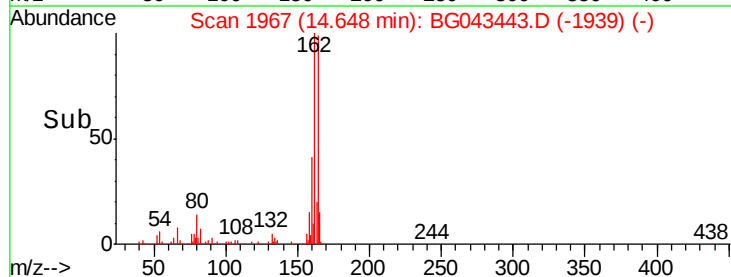
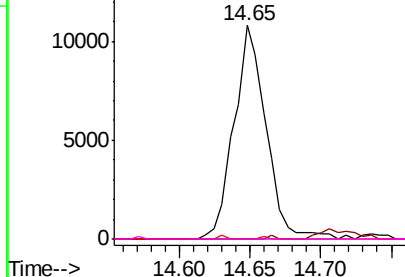


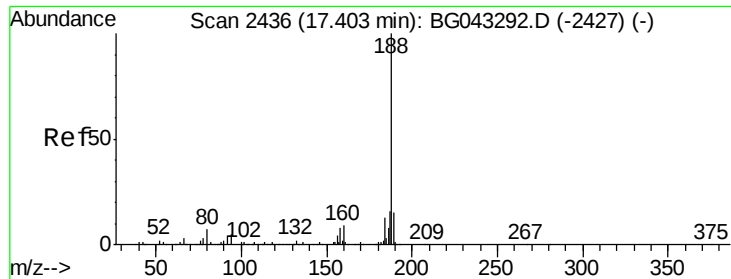
#57
2,4-Dinitrotoluene
Concen: 6.024 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.36 min
Lab File: BG043443.D
Acq: 31 Oct 2019 20:59

Tgt 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: BG043443.D

Acq: 31 Oct 2019 20:59

Instrument :

BNA_G

ClientSampleId :

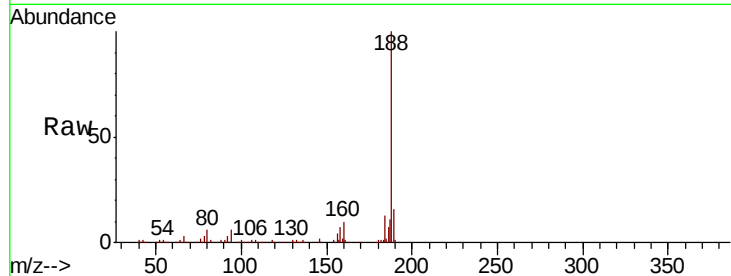
Tot Ion:188 Resp: 265812

Ion Ratio Lower Upper

188 100

94 5.9 4.2 6.2

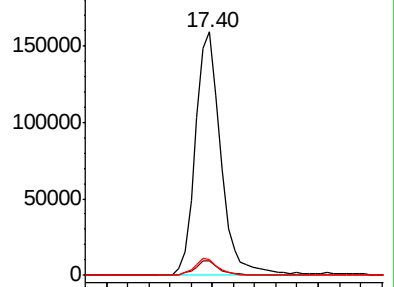
80 6.5 5.2 7.8



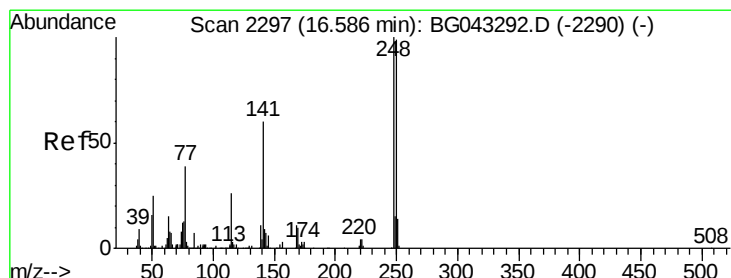
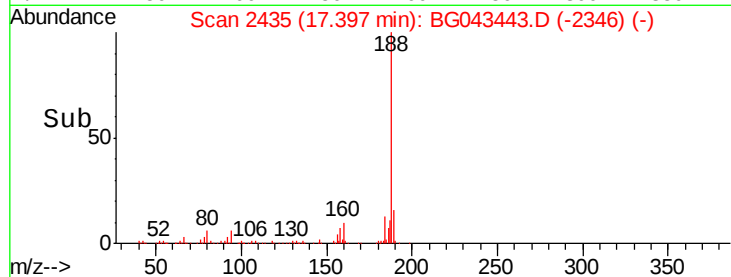
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



Time--> 17.30 17.40 17.50



#67

4-Bromophenyl-phenylether

Concen: 5.031 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.45 min

Lab File: BG043443.D

Acq: 31 Oct 2019 20:59

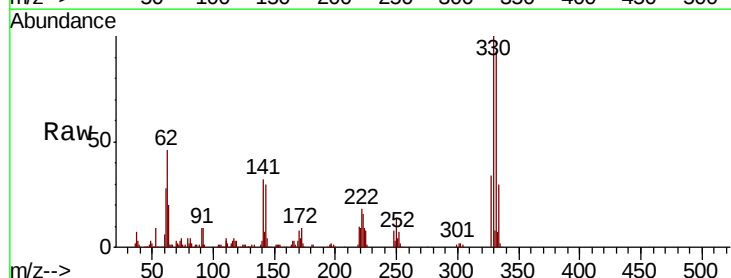
Tgt Ion:248 Resp: 17996

Ion Ratio Lower Upper

248 100

250 182.2 79.3 118.9#

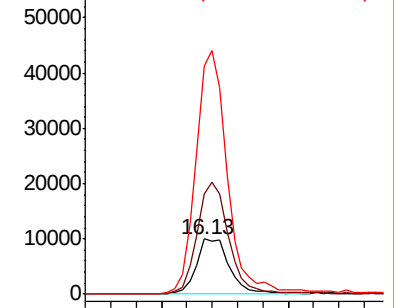
141 412.7 47.9 71.9#



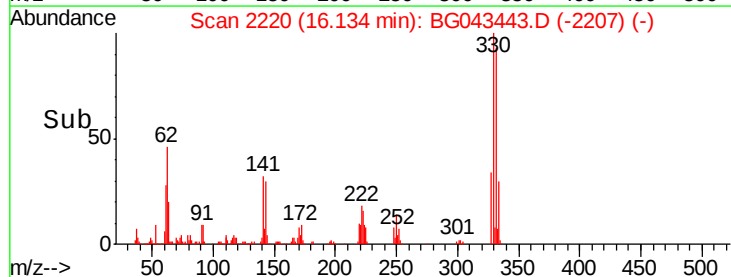
Abundance Ion 248.00 (247.70 to 248.70): E

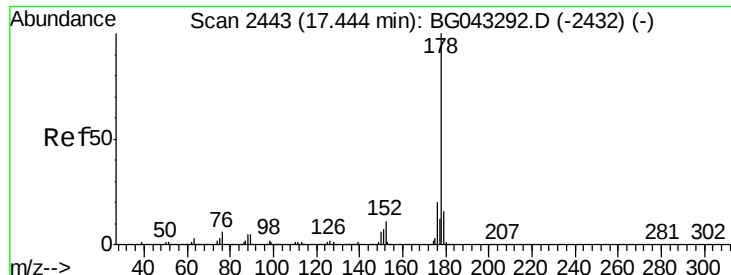
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.10 16.20

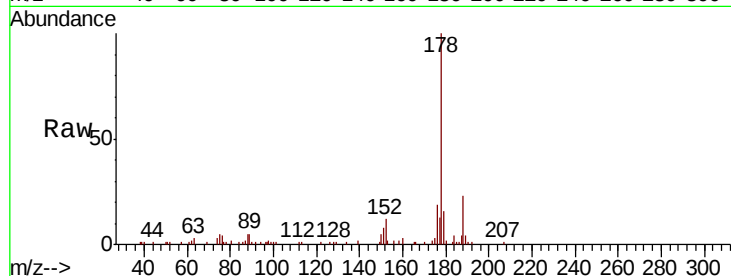




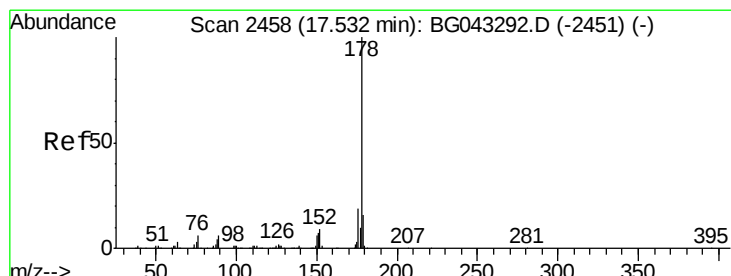
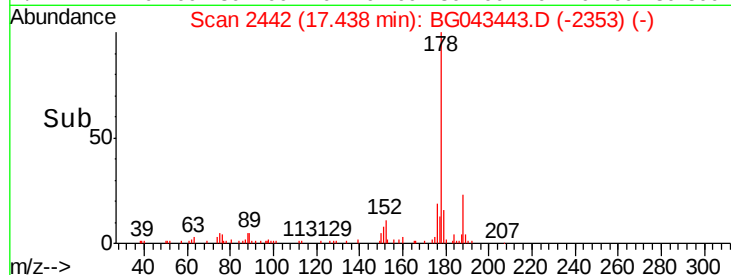
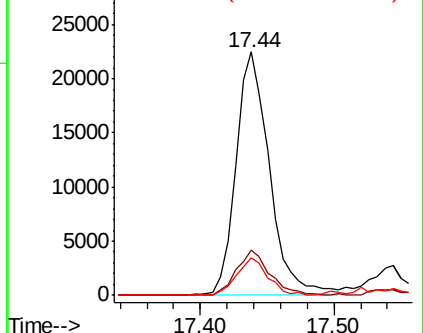
#71
Phenanthrene
Concen: 2.874 ng
RT: 17.44 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG043443.D
Acq: 31 Oct 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.5	13.1	19.7

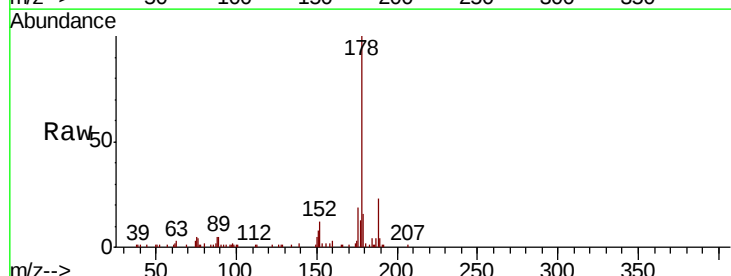


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

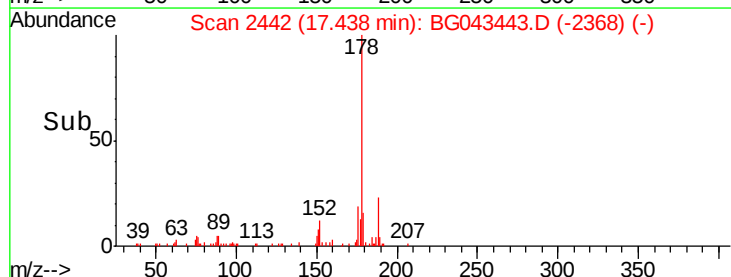
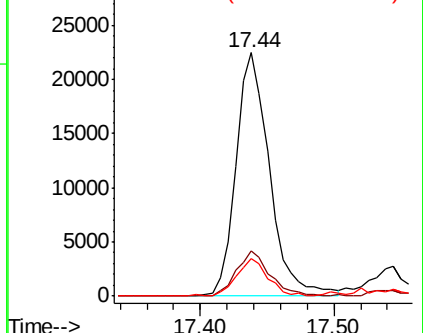


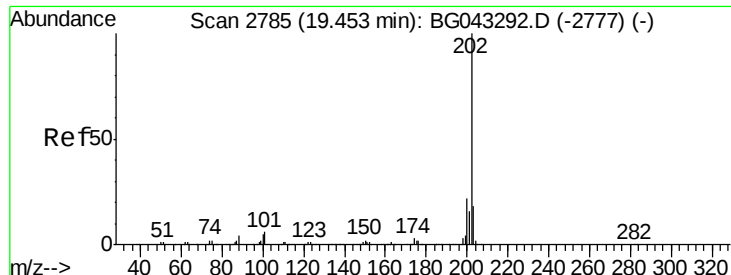
#72
Anthracene
Concen: 2.873 ng
RT: 17.44 min Scan# 2442
Delta R.T. -0.09 min
Lab File: BG043443.D
Acq: 31 Oct 2019 20:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.5	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.293 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043443.D

Acq: 31 Oct 2019 20:59

Instrument :

BNA_G

ClientSampleId :

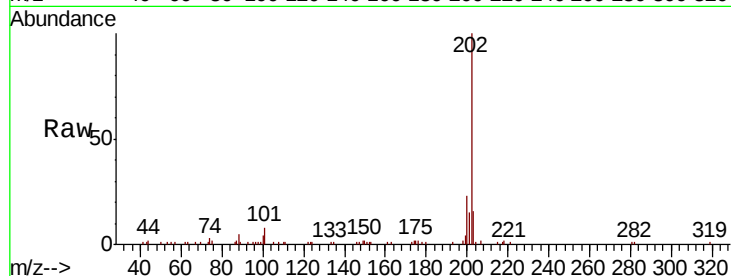
Tot Ion:202 Resp: 40684

Ion Ratio Lower Upper

202 100

101 7.6 0.0 26.0

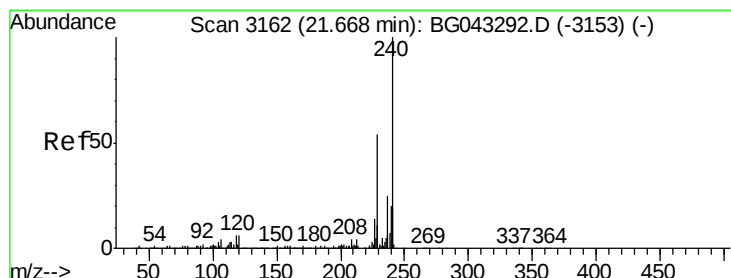
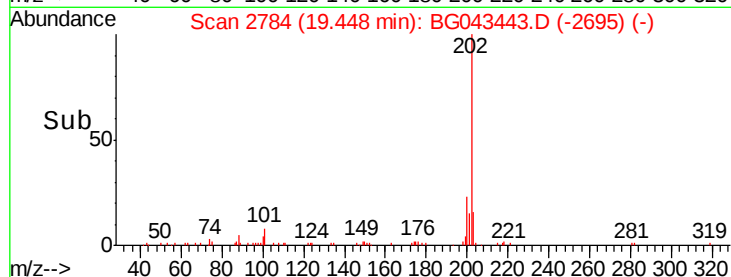
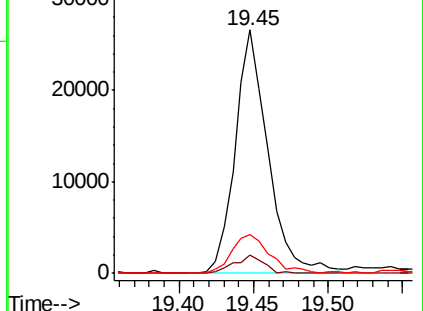
203 16.1 0.0 38.2



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: BG043443.D

Acq: 31 Oct 2019 20:59

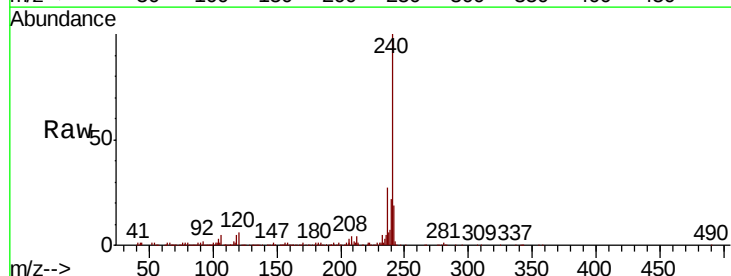
Tgt Ion:240 Resp: 275729

Ion Ratio Lower Upper

240 100

120 6.2 4.6 7.0

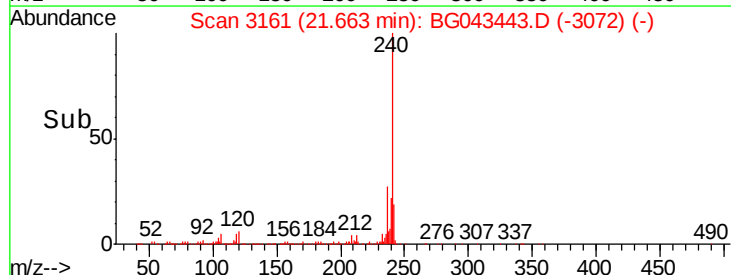
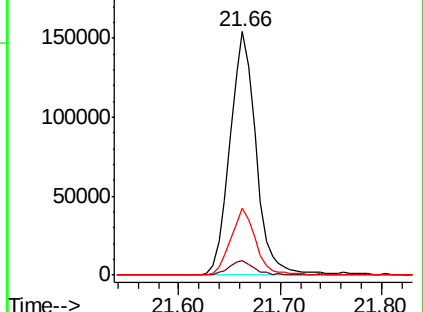
236 27.3 20.2 30.4

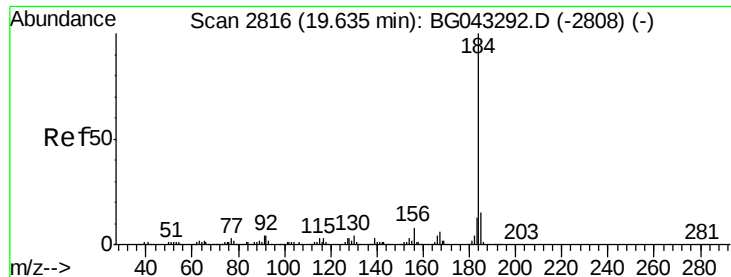


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.434 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043443.D

Acq: 31 Oct 2019 20:59

Instrument :

BNA_G

ClientSampleId :

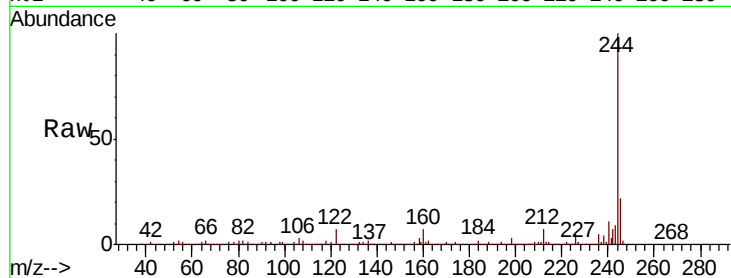
Tot Ion:184 Resp: 19054

Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.6

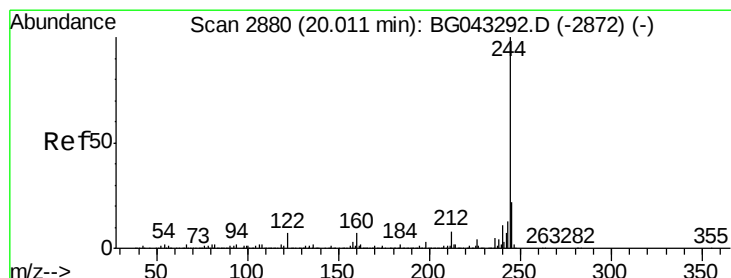
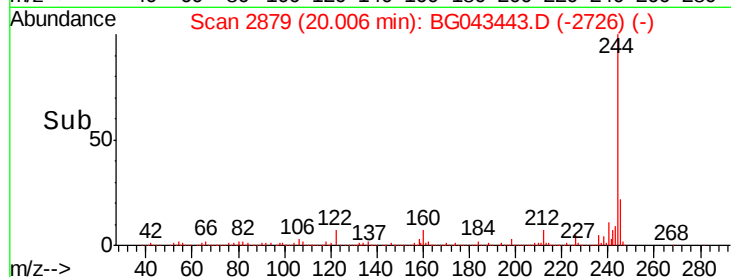
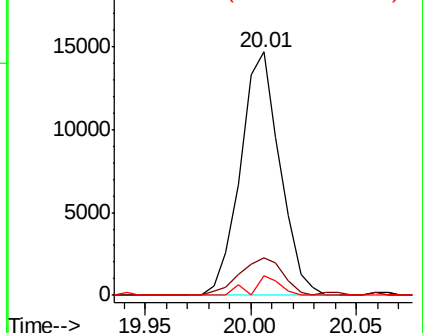
183 7.9 10.6 16.0#



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: 91.003 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043443.D

Acq: 31 Oct 2019 20:59

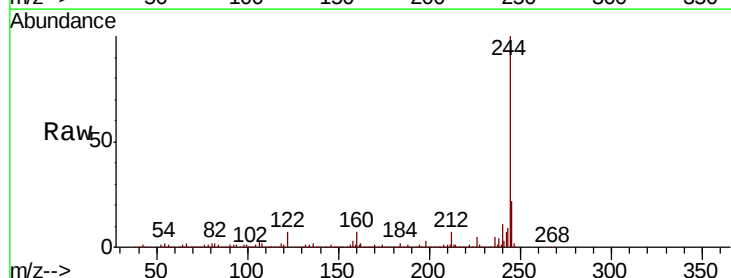
Tgt Ion:244 Resp: 1337489

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

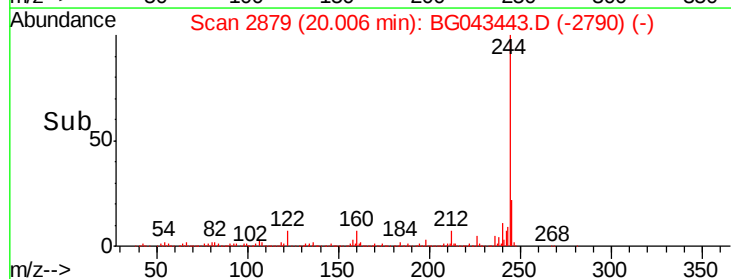
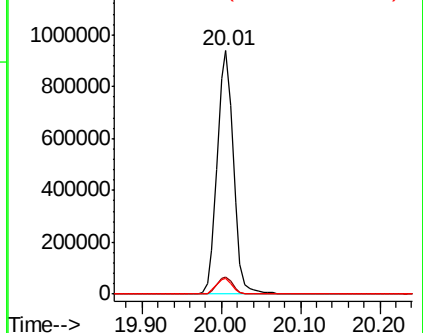
122 6.6 5.3 7.9

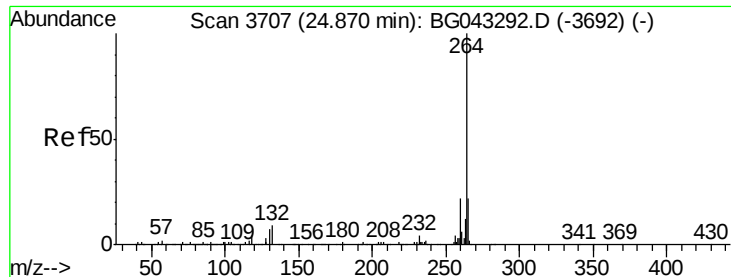


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3705
Delta R.T. -0.01 min
Lab File: BG043443.D
Acq: 31 Oct 2019 20:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.9	26.9
265	22.8	17.4	26.2

