

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102819\
 Data File : BG043361.D
 Acq On : 28 Oct 2019 22:09
 Operator : JU
 Sample : K5494-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 29 13:19:03 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	43984	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	154805	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	120120	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	279131	20.00	ng	0.00
76) Chrysene-d12	21.66	240	307058	20.00	ng	0.00
87) Perylene-d12	24.86	264	362805	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	219747	91.55	ng	0.00
7) Phenol-d6	7.21	99	202522	58.64	ng	0.00
23) Nitrobenzene-d5	9.19	82	280176	93.31	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	301109	131.73	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	760623	87.50	ng	0.00
79) Terphenyl-d14	20.00	244	1567579	95.78	ng	0.00

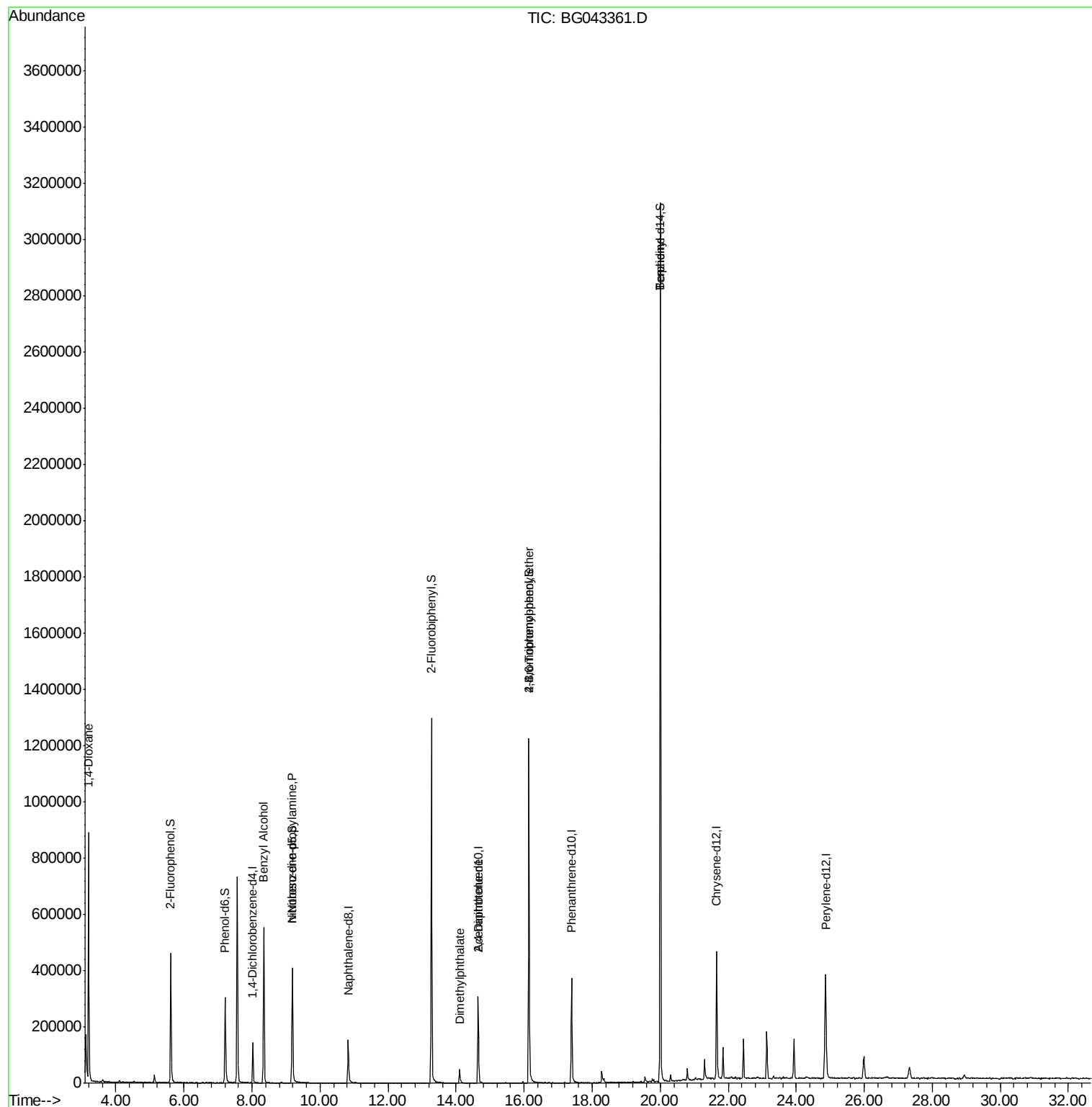
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	8948	9.566	ng	# 1
15) Benzyl Alcohol	8.35	79	4918	2.028	ng	# 45
19) n-Nitroso-di-n-propylamine	9.19	70	38656	17.322	ng	# 79
50) Dimethylphthalate	14.10	163	47856	5.144	ng	# 98
57) 2,4-Dinitrotoluene	14.65	165	15232	5.273	ng	# 25
67) 4-Bromophenyl-phenylether	16.14	248	19271	5.130	ng	# 1
77) Benzidine	20.00	184	24282	3.929	ng	# 90

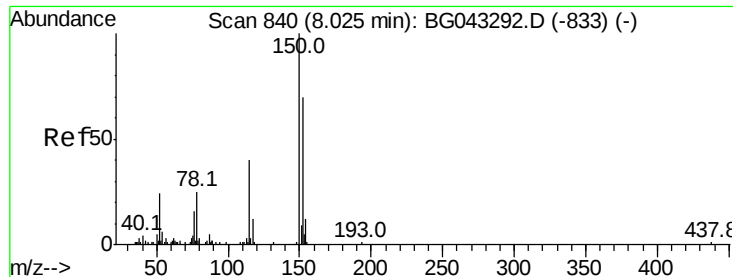
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 21 16:37:43 2019
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: BG043361.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_G

ClientSampleId :

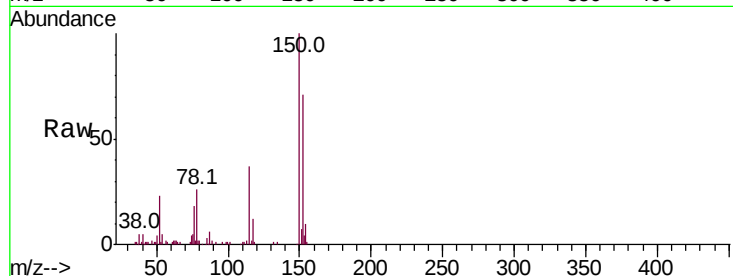
Tot Ion:152 Resp: 43984

Ion Ratio Lower Upper

152 100

150 140.7 113.6 170.4

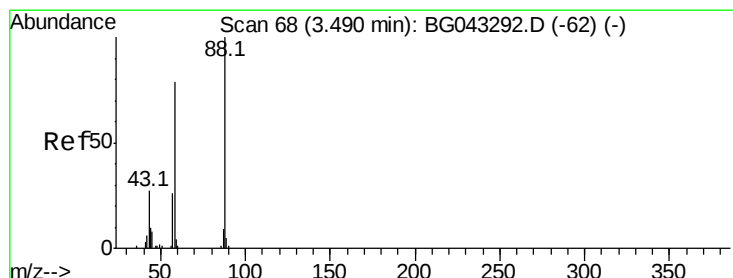
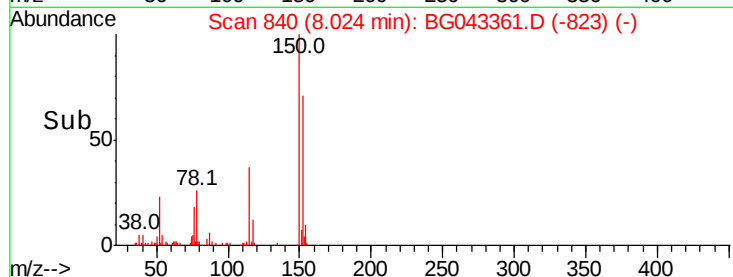
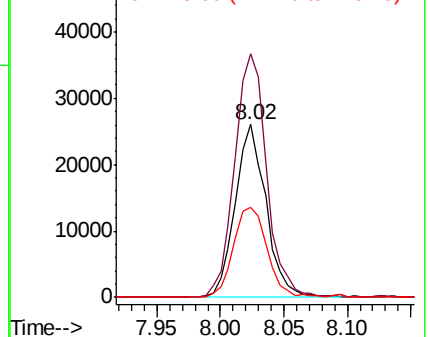
115 52.3 45.9 68.9



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: 9.566 ng

RT: 3.19 min Scan# 17

Delta R.T. -0.30 min

Lab File: BG043361.D

Acq: 28 Oct 2019 22:09

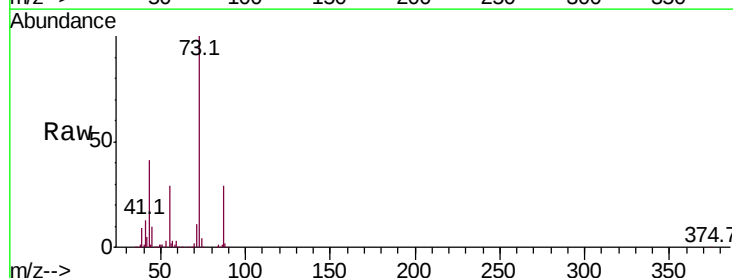
Tgt Ion: 88 Resp: 8948

Ion Ratio Lower Upper

88 100

58 32.2 60.2 90.2#

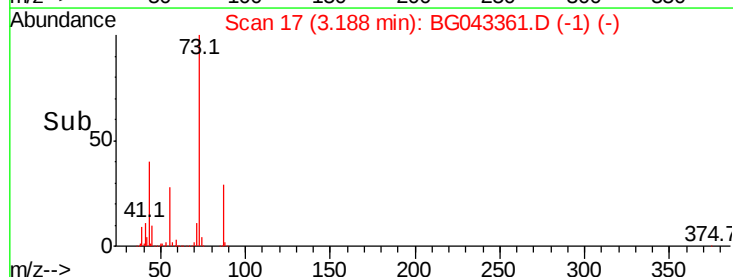
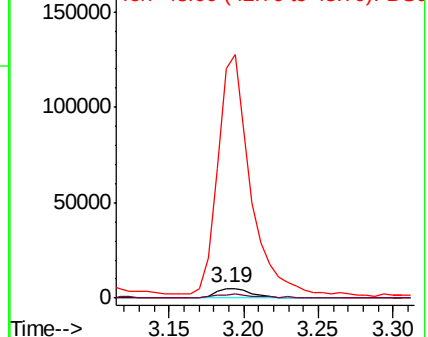
43 2188.0 22.7 34.1#

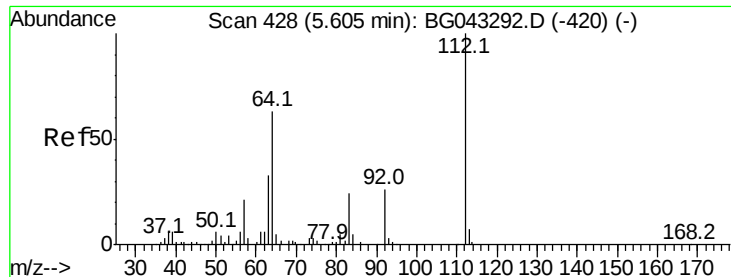


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 91.550 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043361.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_G

ClientSampleId :

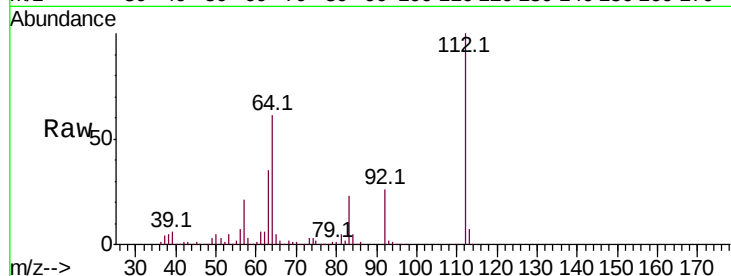
Tot Ion:112 Resp: 219747

Ion Ratio Lower Upper

112 100

64 61.0 50.2 75.2

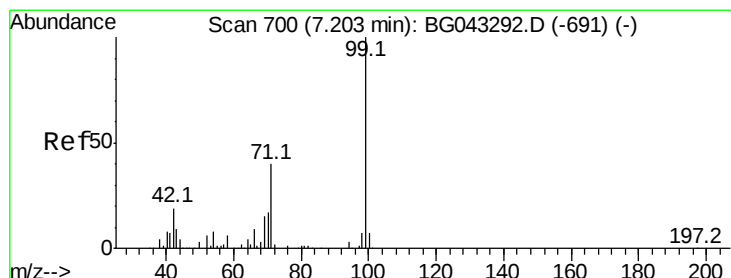
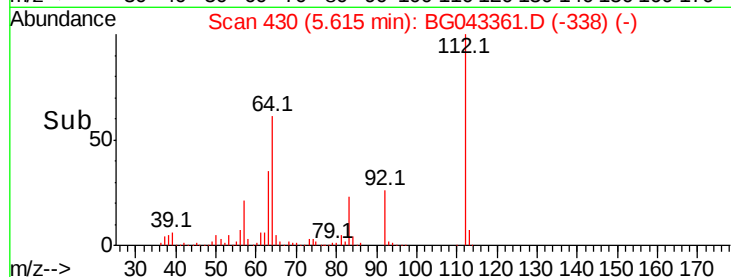
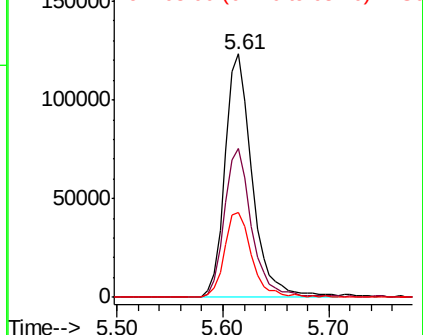
63 35.0 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 58.643 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043361.D

Acq: 28 Oct 2019 22:09

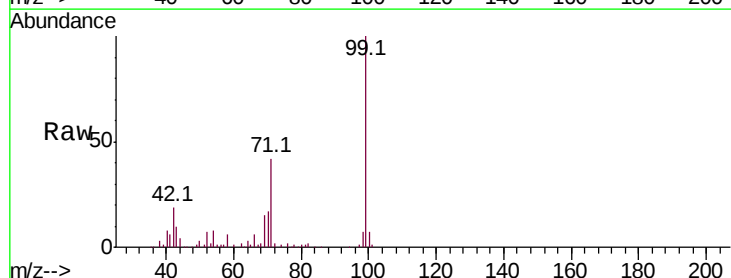
Tgt Ion: 99 Resp: 202522

Ion Ratio Lower Upper

99 100

42 19.2 14.9 22.3

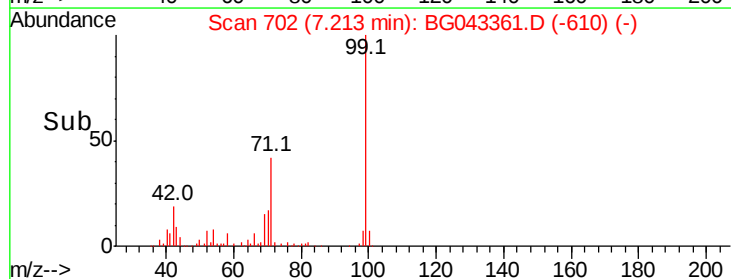
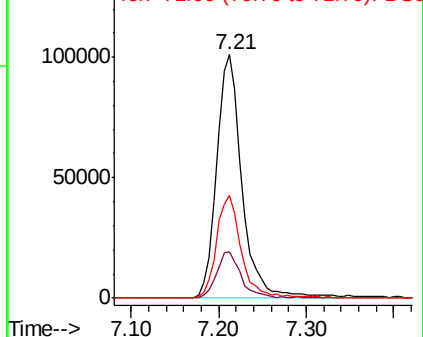
71 42.4 32.2 48.2

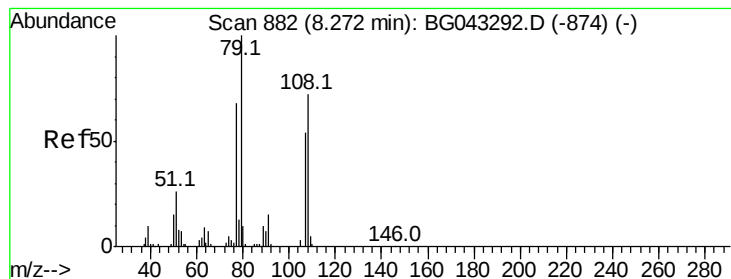


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.028 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG043361.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_G

ClientSampled :

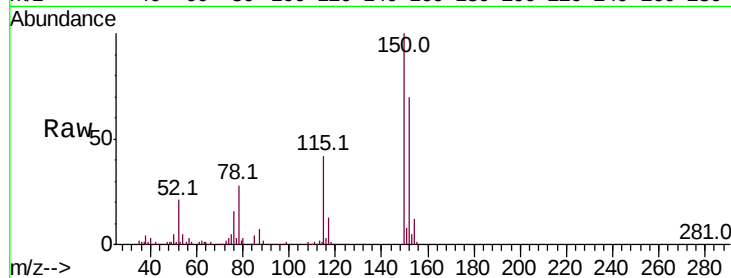
Tot Ion: 79 Resp: 4918

Ion Ratio Lower Upper

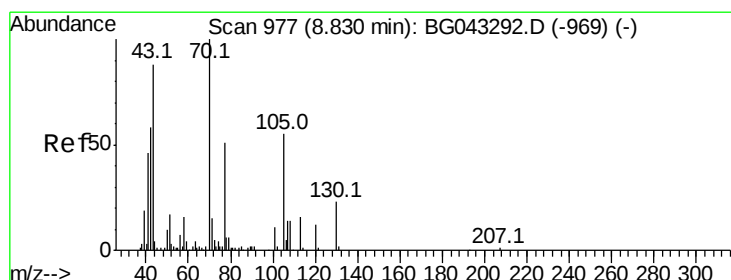
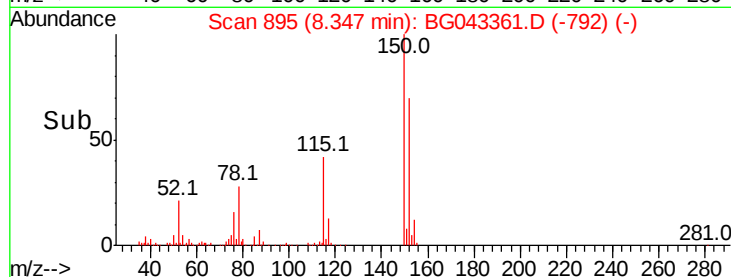
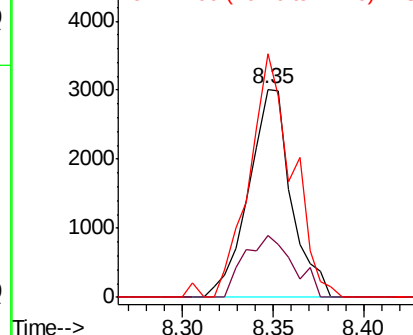
79 100

108 30.0 57.3 85.9#

77 116.9 54.6 81.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.322 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043361.D

Acq: 28 Oct 2019 22:09

Tgt Ion: 70 Resp: 38656

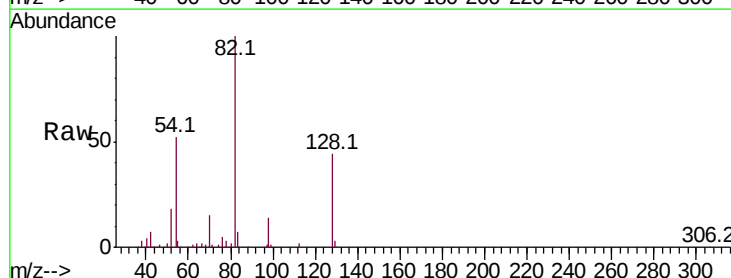
Ion Ratio Lower Upper

70 100

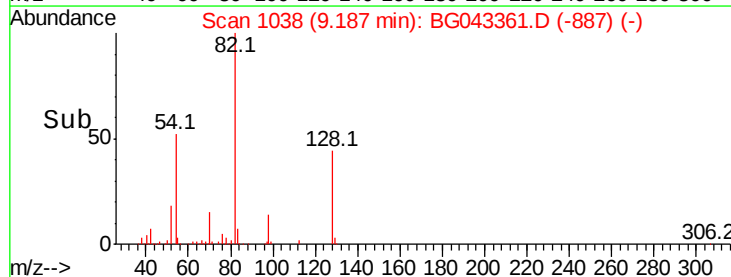
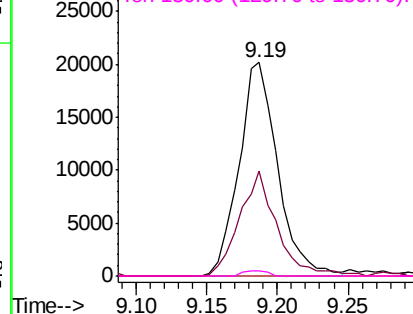
42 49.4 46.2 69.2

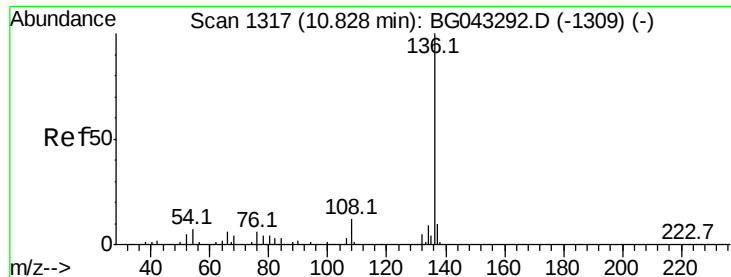
101 0.0 8.6 13.0#

130 2.4 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

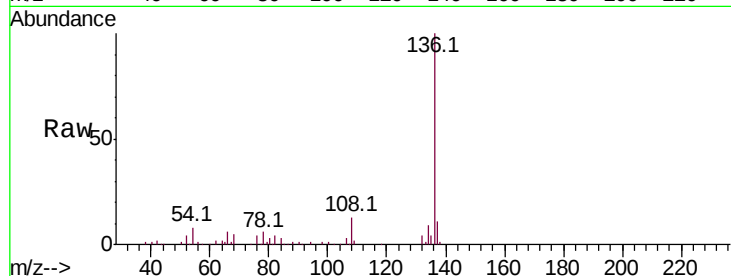




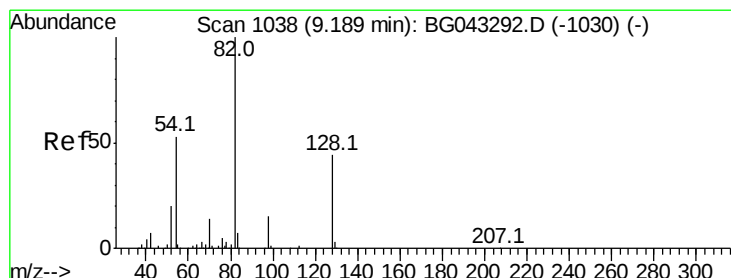
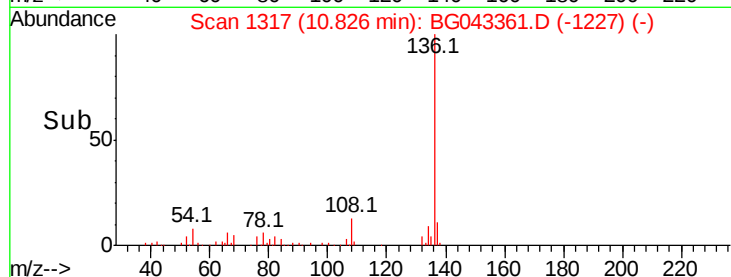
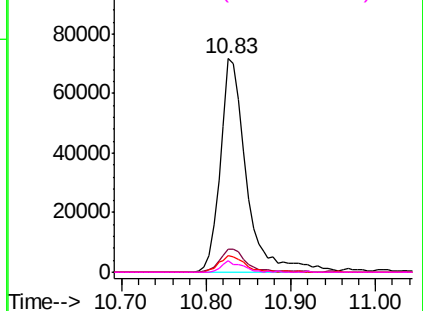
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043361.D
Acq: 28 Oct 2019 22:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	154805
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.2 12.2
54	7.6	5.4 8.2
68	5.4	3.3 4.9#

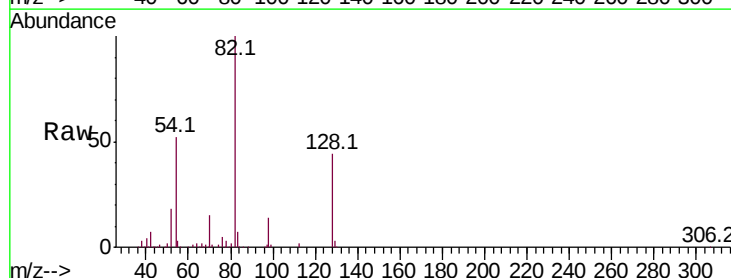


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

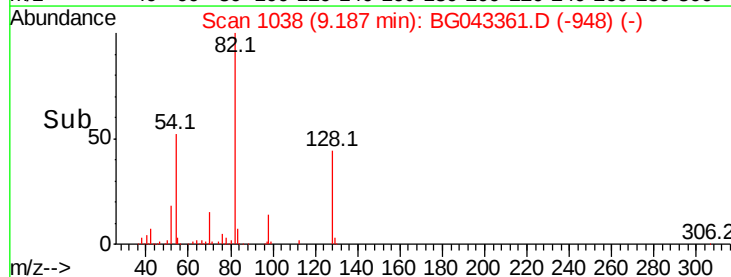
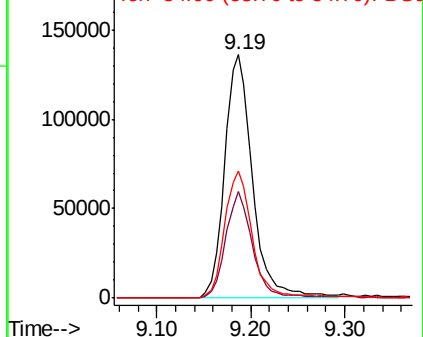


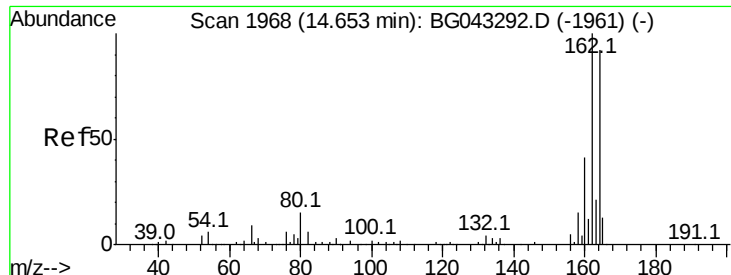
#23
Nitrobenzene-d5
Concen: 93.307 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043361.D
Acq: 28 Oct 2019 22:09

Tgt Ion: 82	Resp:	280176
Ion	Ratio	Lower Upper
82	100	
128	43.6	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): E
Ion 54.00 (53.70 to 54.70): BGC

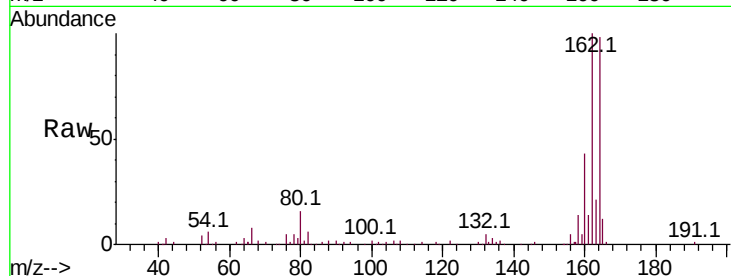




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG043361.D
 Acq: 28 Oct 2019 22:09

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	87.0	130.4
160	43.9	35.5	53.3

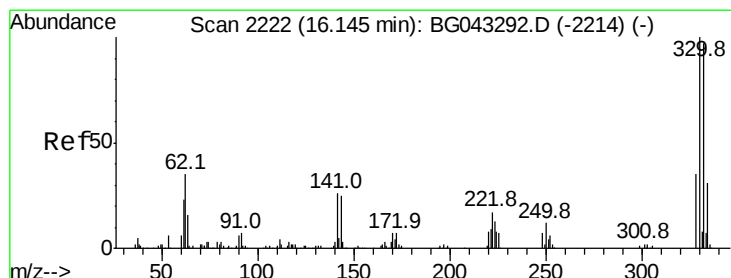
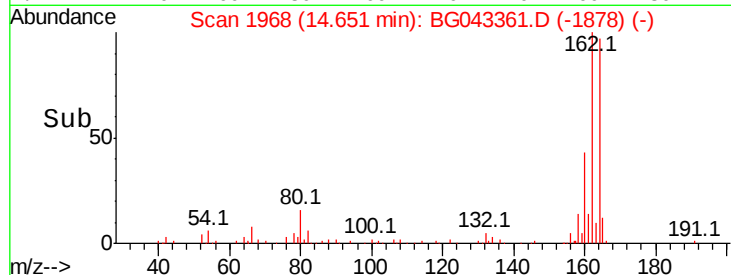
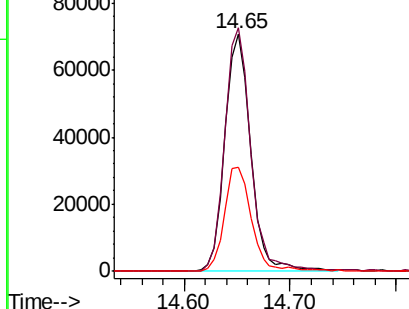


Abundance

Ion 164.00 (163.70 to 164.70): E

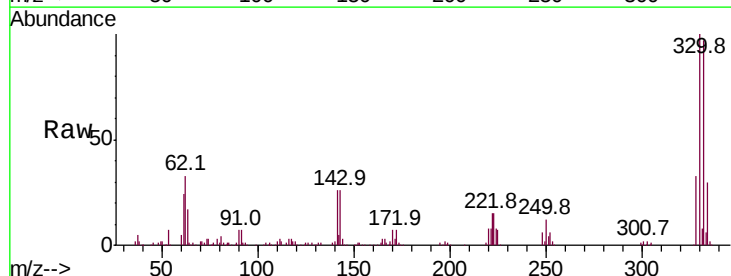
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
 2,4,6-Tribromophenol
 Concen: 131.725 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043361.D
 Acq: 28 Oct 2019 22:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.4	114.6
141	29.0	21.4	32.0

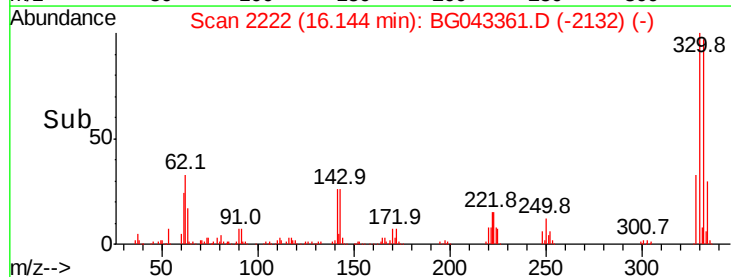
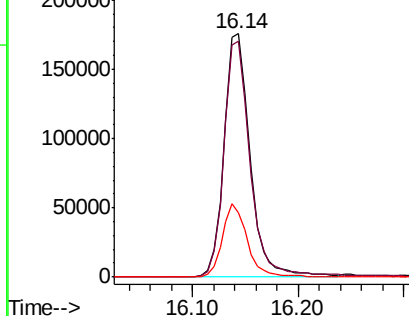


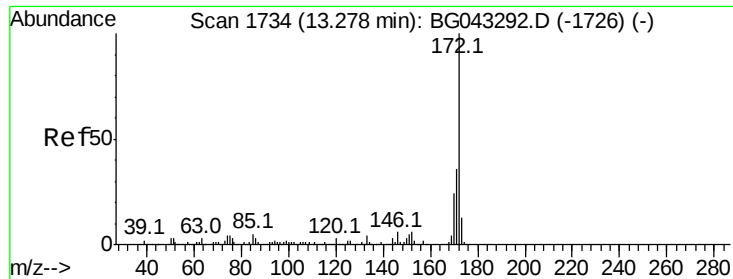
Abundance

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

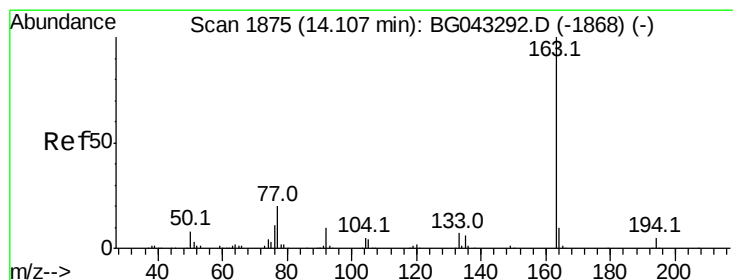
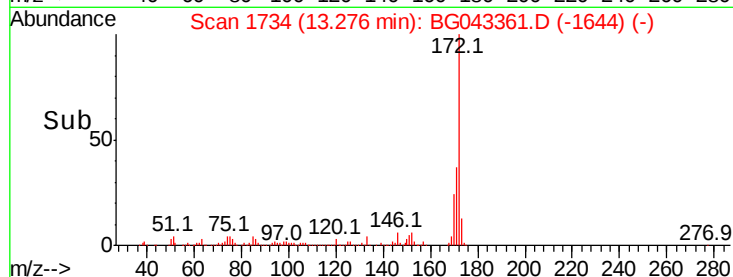
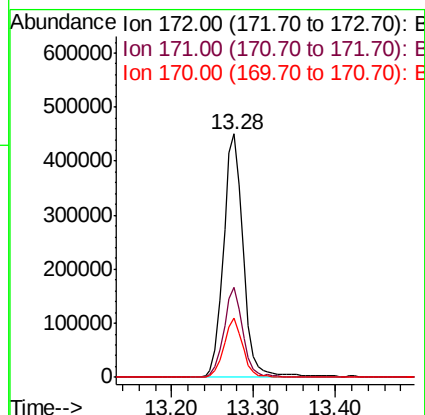
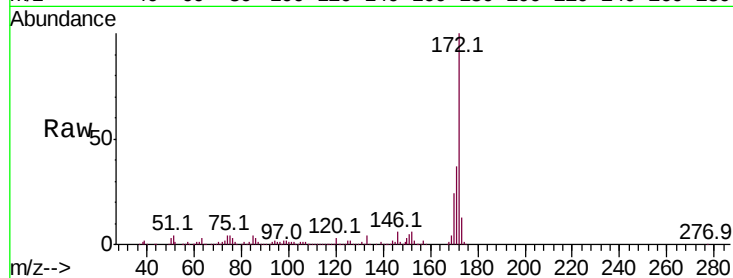




#45
2-Fluorobiphenyl
Concen: 87.498 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043361.D
Acq: 28 Oct 2019 22:09

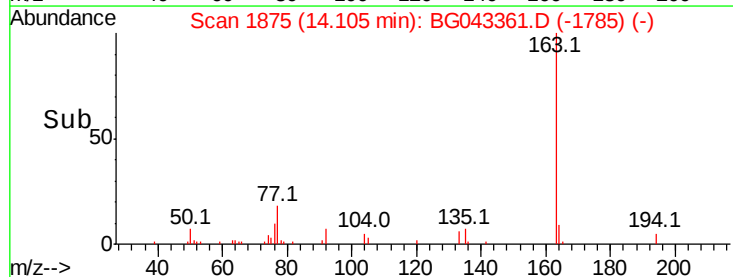
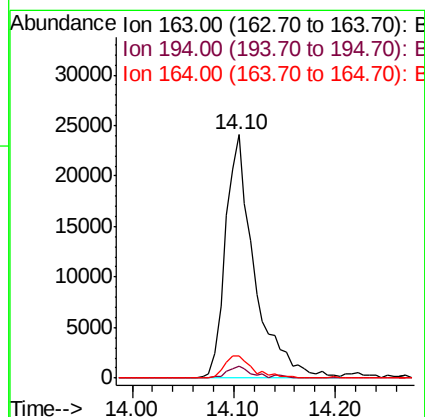
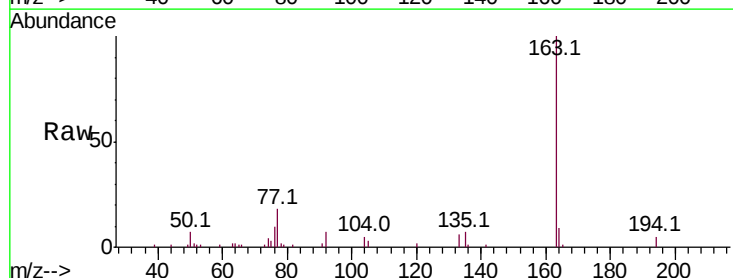
Instrument :
BNA_G
ClientSampleId :

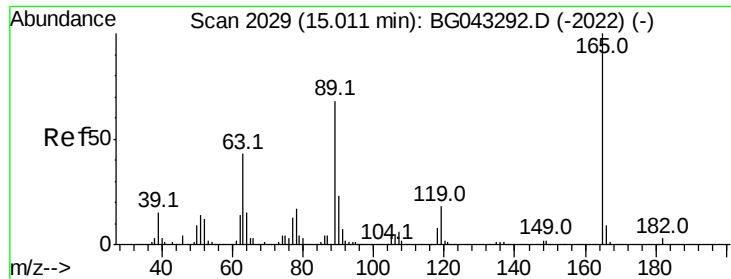
Tot Ion:172 Resp: 760623
Ion Ratio Lower Upper
172 100
171 37.2 28.5 42.7
170 24.3 18.8 28.2



#50
Dimethylphthalate
Concen: 5.144 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BG043361.D
Acq: 28 Oct 2019 22:09

Tgt Ion:163 Resp: 47856
Ion Ratio Lower Upper
163 100
194 5.0 3.7 5.5
164 9.2 8.1 12.1

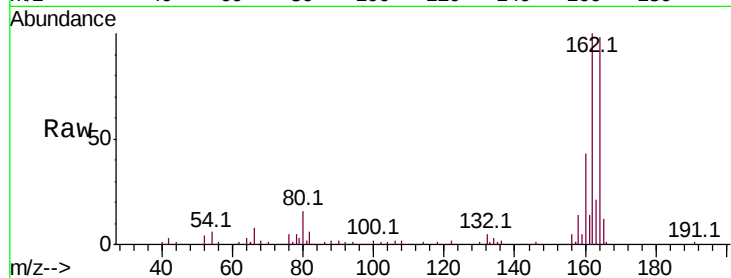




#57
 2,4-Dinitrotoluene
 Concen: 5.273 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043361.D
 Acq: 28 Oct 2019 22:09

Instrument :
 BNA_G
 ClientSampleId :

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

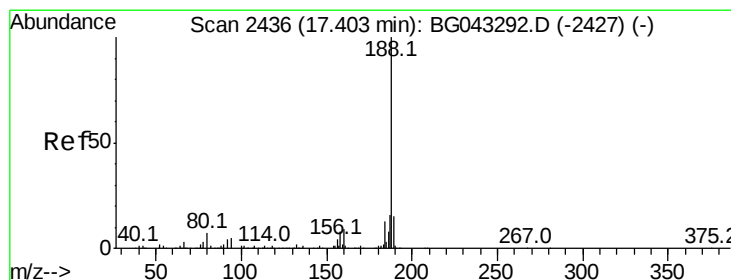
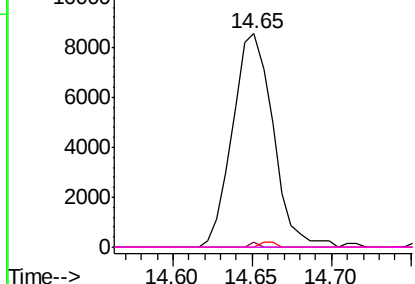
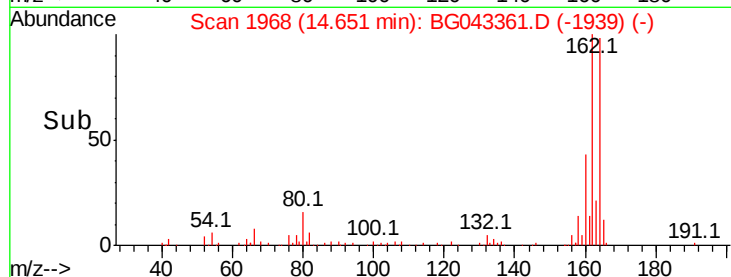


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

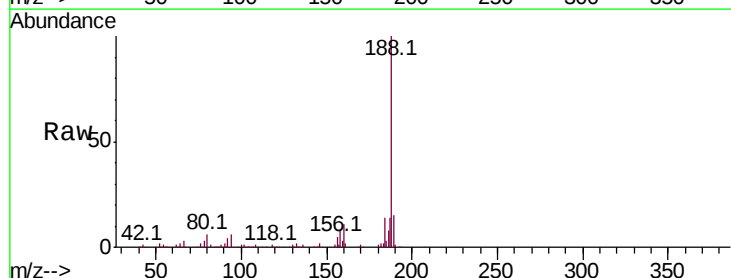
Ion 89.00 (88.70 to 89.70): BGC

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: BG043361.D
 Acq: 28 Oct 2019 22:09

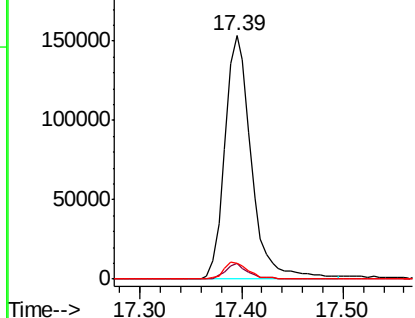
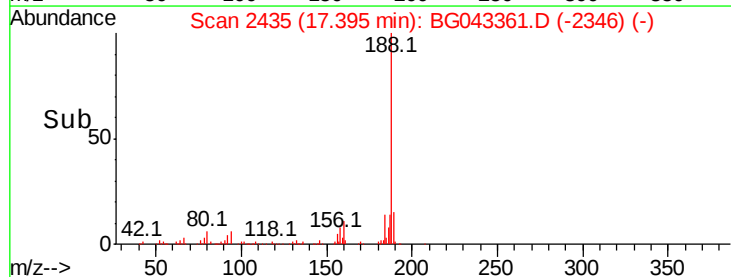
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	4.2	6.2#
80	6.3	5.2	7.8

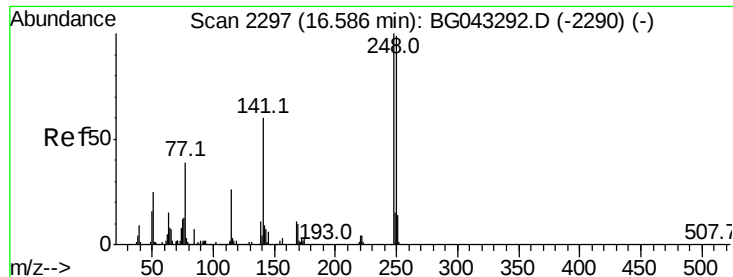


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

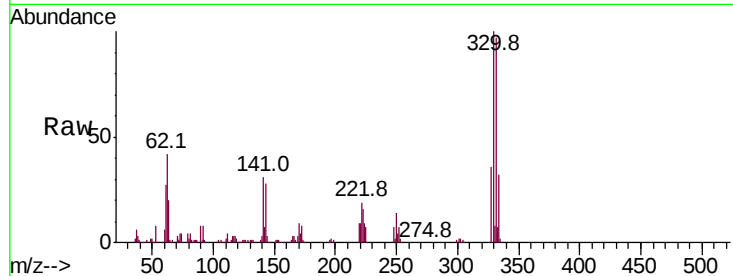




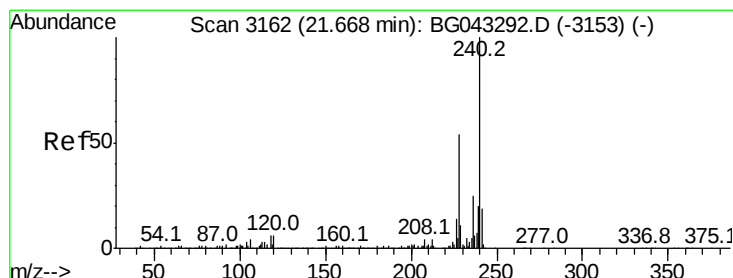
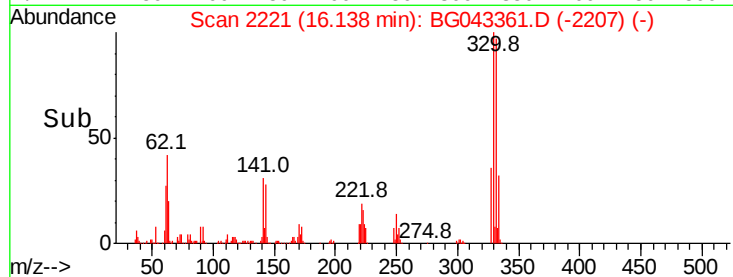
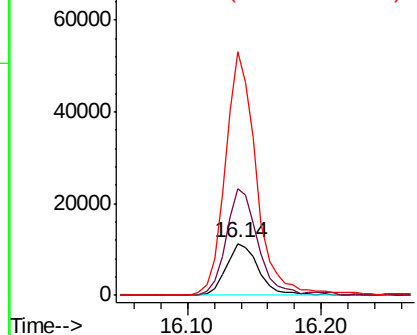
#67
 4-Bromophenyl-phenylether
 Concen: 5.130 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG043361.D
 Acq: 28 Oct 2019 22:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19271
 Ion Ratio Lower Upper
 248 100
 250 207.6 79.3 118.9#
 141 471.9 47.9 71.9#

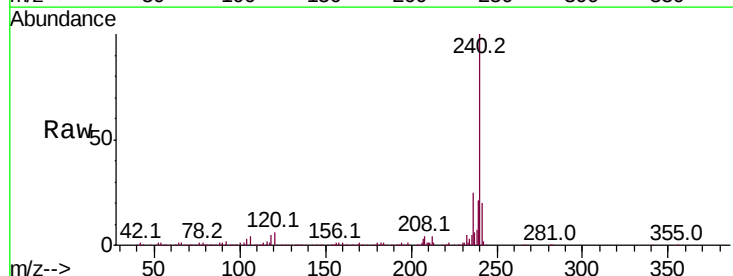


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

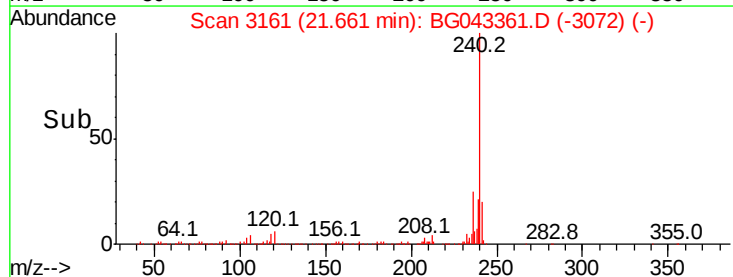
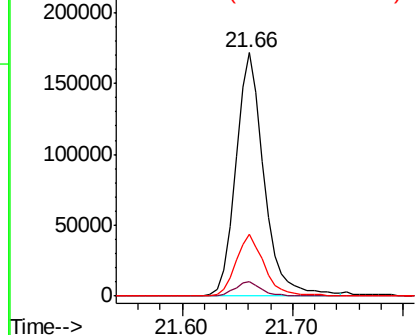


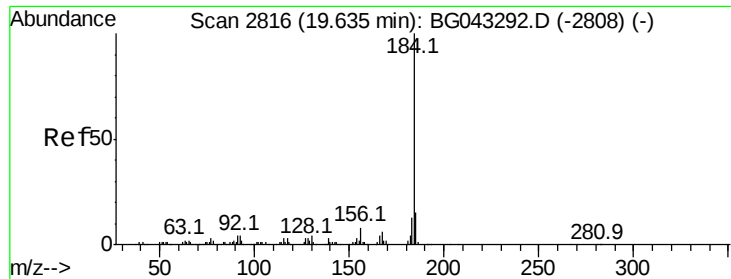
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG043361.D
 Acq: 28 Oct 2019 22:09

Tgt Ion:240 Resp: 307058
 Ion Ratio Lower Upper
 240 100
 120 5.9 4.6 7.0
 236 25.2 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: 3.929 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043361.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_G

ClientSampleId :

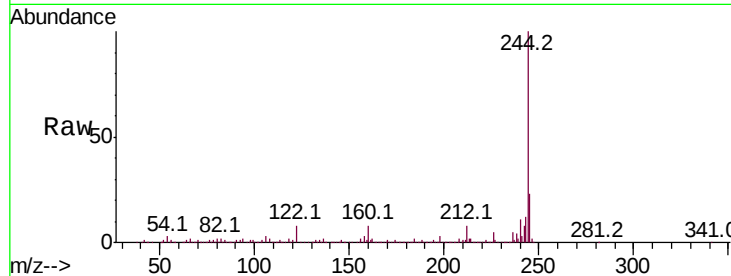
Tot Ion:184 Resp: 24282

Ion Ratio Lower Upper

184 100

185 16.0 11.8 17.6

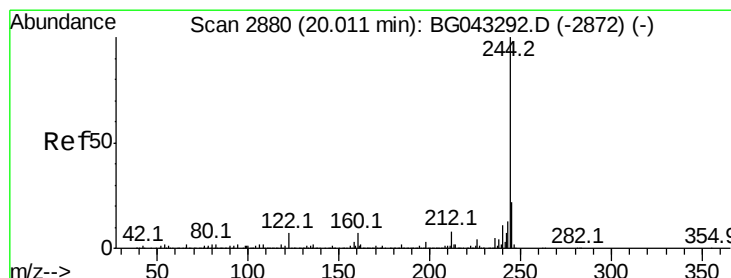
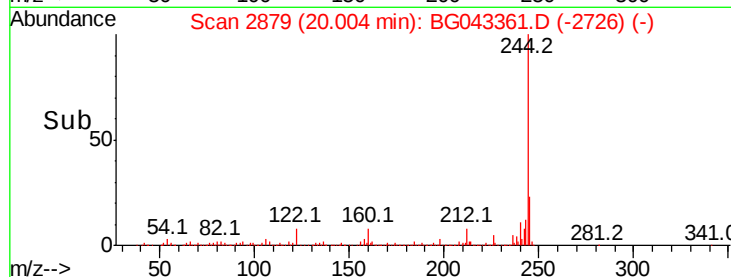
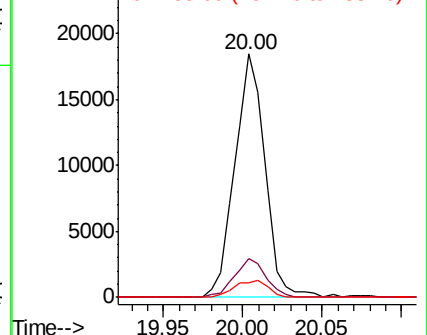
183 5.9 10.6 16.0#



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: 95.776 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043361.D

Acq: 28 Oct 2019 22:09

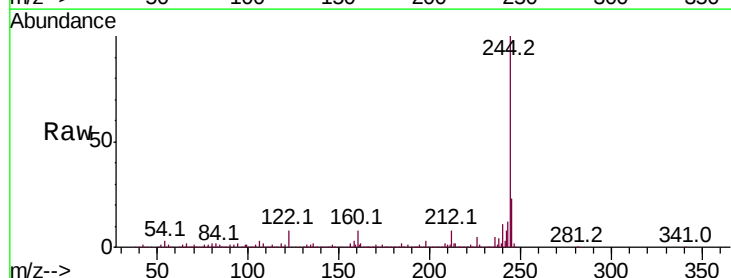
Tgt Ion:244 Resp: 1567579

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

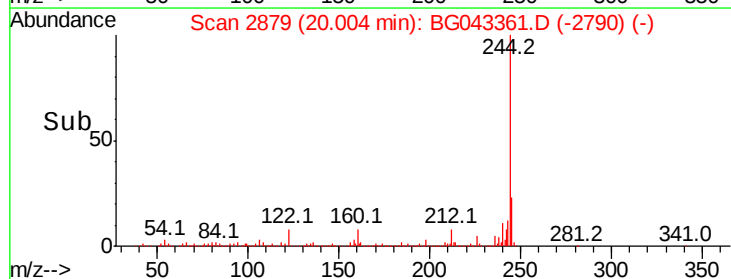
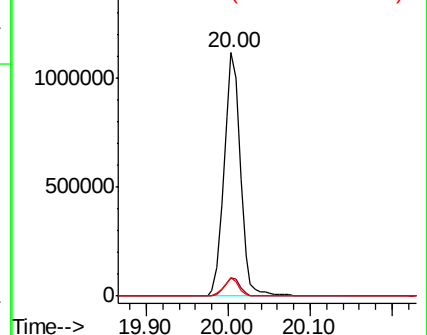
122 7.5 5.3 7.9

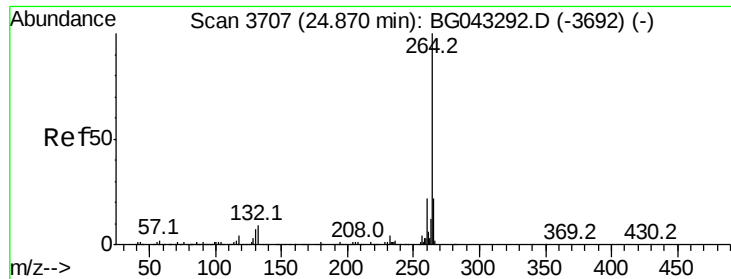


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

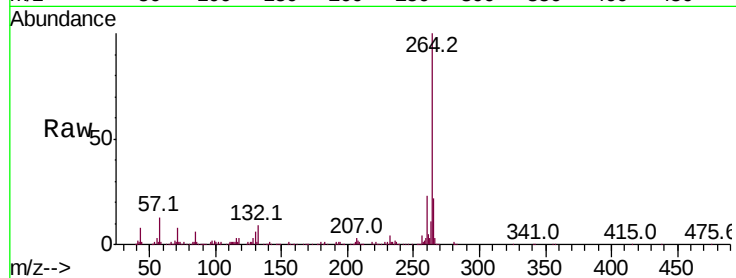




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG043361.D
 Acq: 28 Oct 2019 22:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.9	26.9
265	21.7	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

