

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG110719\
 Data File : BG043561.D
 Acq On : 8 Nov 2019 5:49
 Operator : JU
 Sample : K5675-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-110519

Quant Time: Nov 08 07:44:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	27566	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	96645	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	74177	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	196644	20.00	ng	0.00
76) Chrysene-d12	21.65	240	212444	20.00	ng	0.00
87) Perylene-d12	24.84	264	250604	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	194121	129.04	ng	0.00
7) Phenol-d6	7.21	99	261441	120.79	ng	0.01
23) Nitrobenzene-d5	9.17	82	153113	81.68	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	182233	129.10	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	396693	73.90	ng	0.00
79) Terphenyl-d14	20.00	244	1057268	93.37	ng	0.00

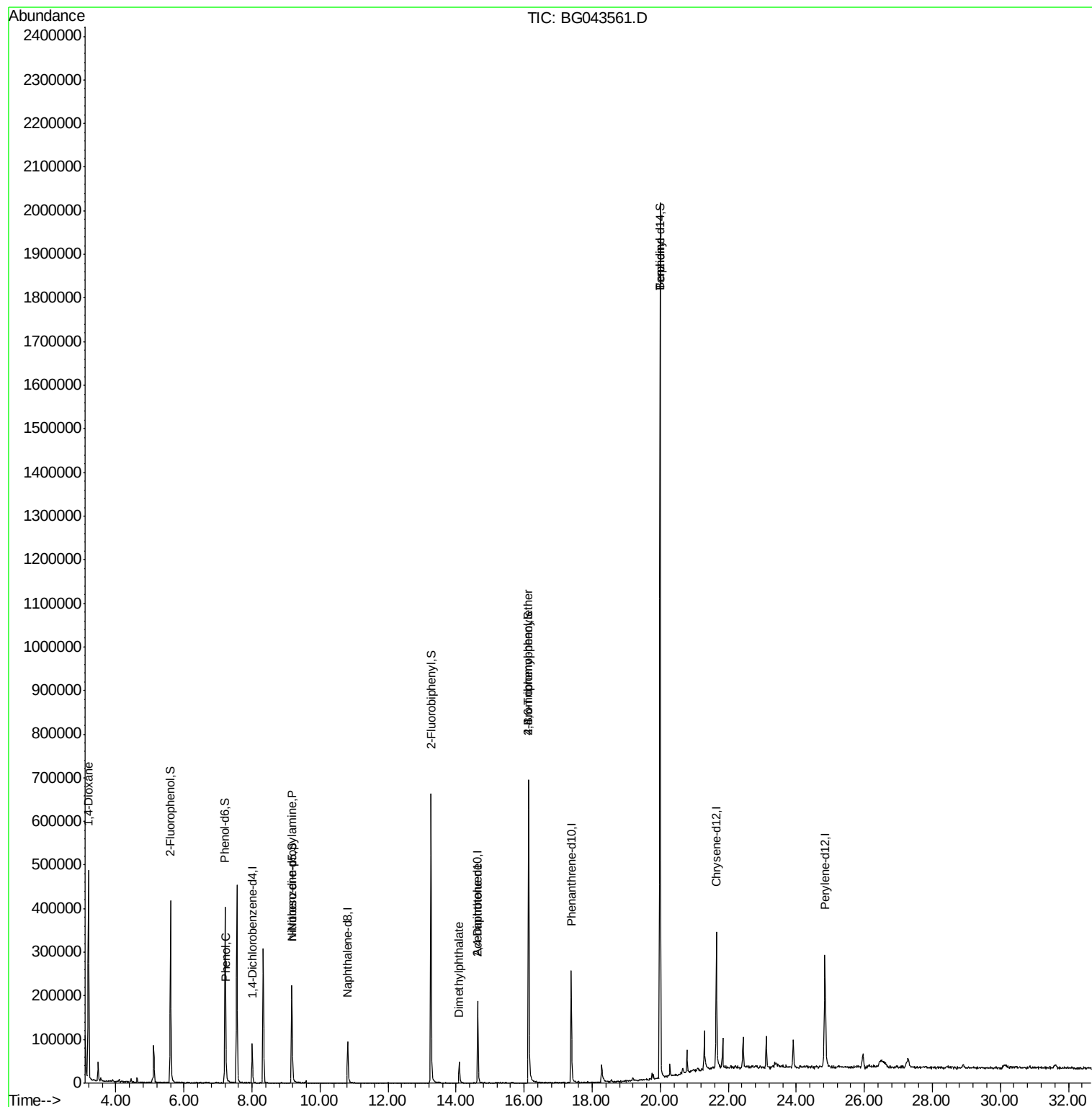
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	5575	9.510	ng	# 1
10) Phenol	7.24	94	8137	4.114	ng	# 67
19) n-Nitroso-di-n-propylamine	9.17	70	21319	15.243	ng	# 77
50) Dimethylphthalate	14.09	163	43051	7.493	ng	# 95
57) 2,4-Dinitrotoluene	14.63	165	10199	5.717	ng	# 30
67) 4-Bromophenyl-phenylether	16.13	248	11838	4.473	ng	# 1
77) Benzidine	20.00	184	15282	3.574	ng	# 87

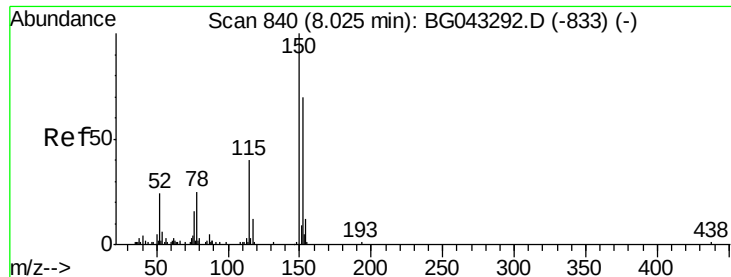
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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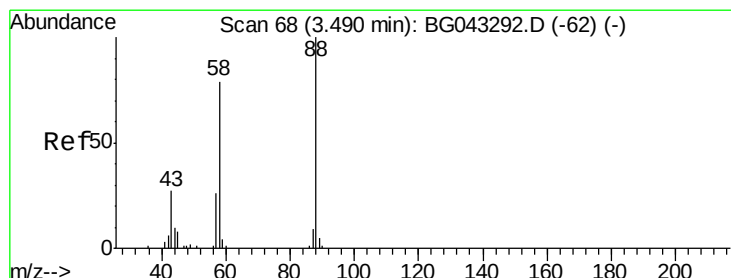
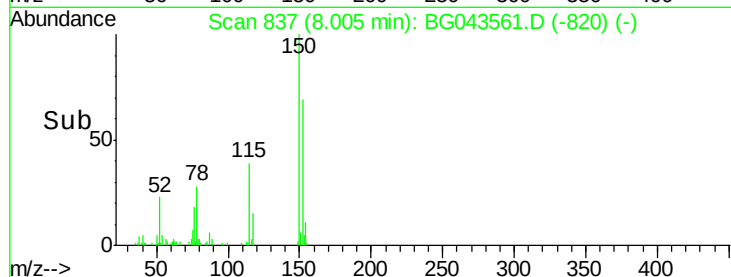
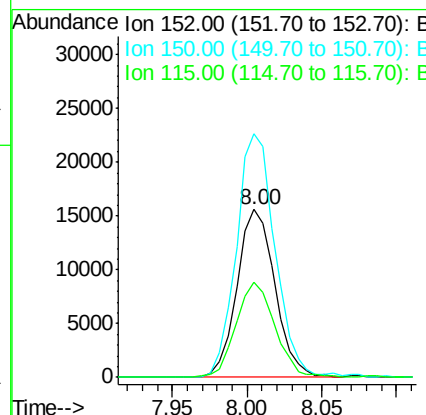
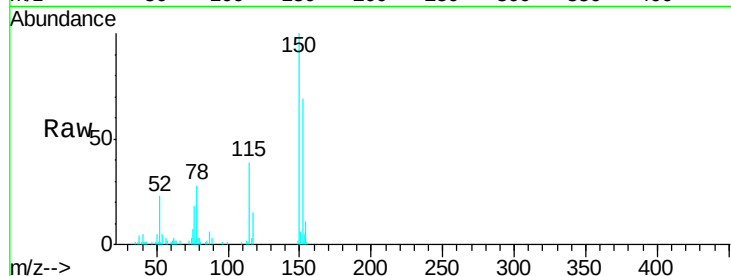


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG043561.D
Acq: 8 Nov 2019 5:49

Instrument :
BNA_G
ClientSampleId :
TR-05-110519

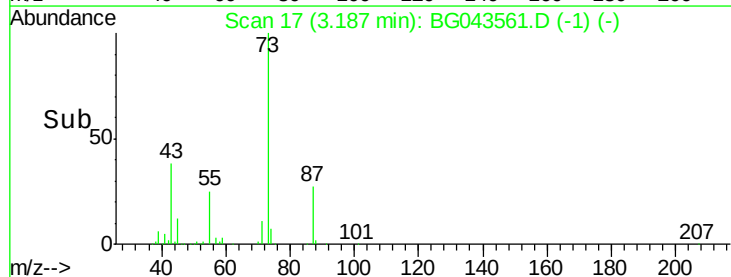
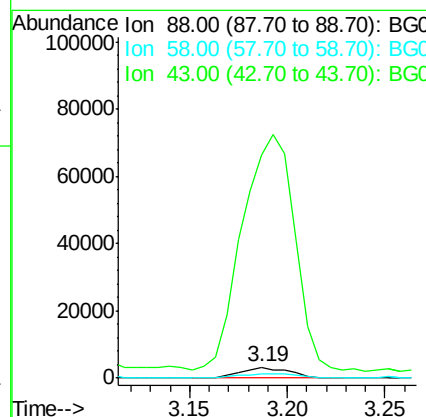
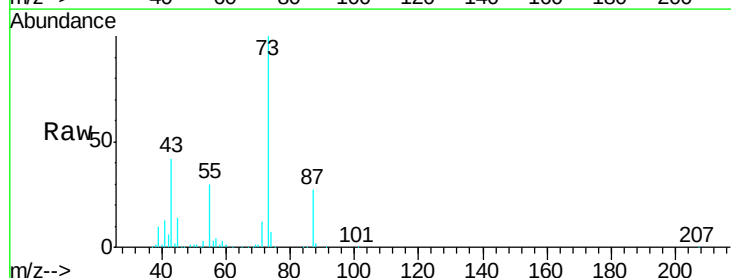
Tgt Ion:152 Resp: 27566
Ion Ratio Lower Upper
152 100
150 145.1 129.4 194.0
115 56.9 48.8 73.2

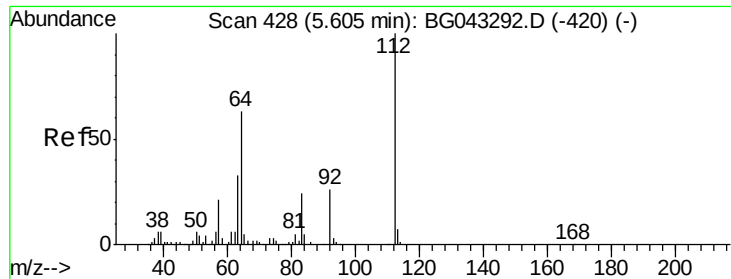


#2

1,4-Dioxane
Concen: 9.510 ng
RT: 3.19 min Scan# 17
Delta R.T. -0.28 min
Lab File: BG043561.D
Acq: 8 Nov 2019 5:49

Tgt Ion: 88 Resp: 5575
Ion Ratio Lower Upper
88 100
58 52.7 62.7 94.1#
43 2347.6 23.7 35.5#





#5

2-Fluorophenol

Concen: 129.042 ng

RT: 5.60 min Scan# 428

Delta R.T. 0.01 min

Lab File: BG043561.D

Acq: 8 Nov 2019 5:49

Instrument :

BNA_G

ClientSampleId :

TR-05-110519

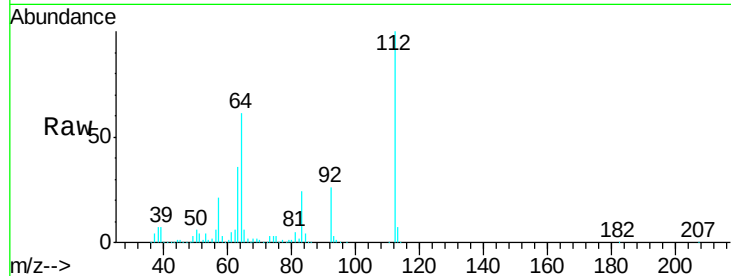
Tgt Ion: 112 Resp: 194121

Ion Ratio Lower Upper

112 100

64 61.5 50.0 75.0

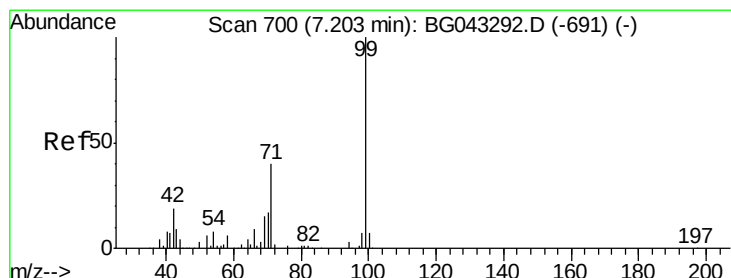
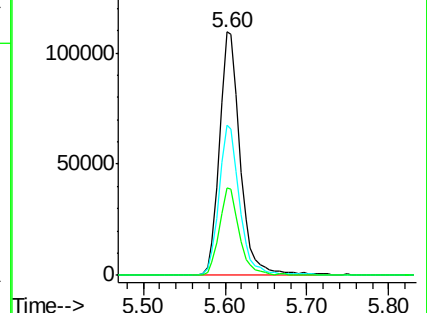
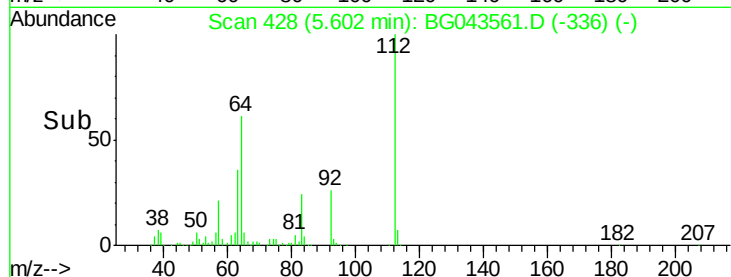
63 36.0 26.6 40.0



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: 120.793 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043561.D

Acq: 8 Nov 2019 5:49

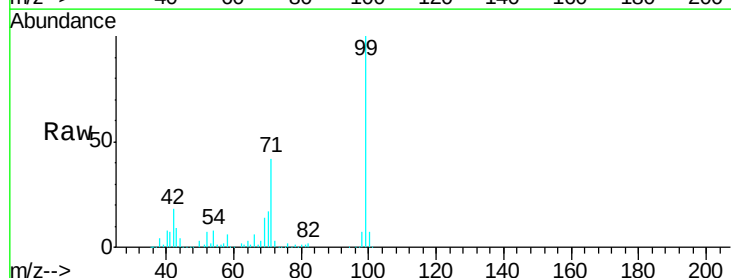
Tgt Ion: 99 Resp: 261441

Ion Ratio Lower Upper

99 100

42 18.1 14.6 21.8

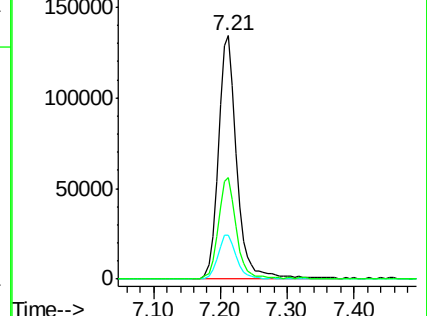
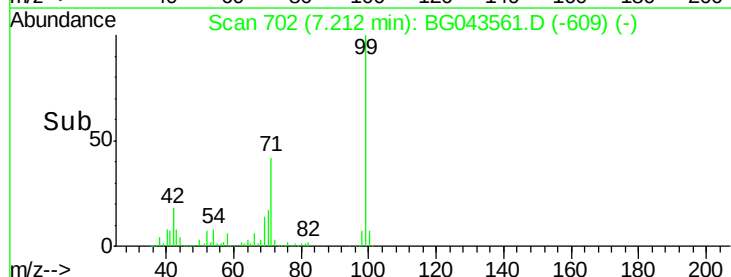
71 41.7 32.5 48.7

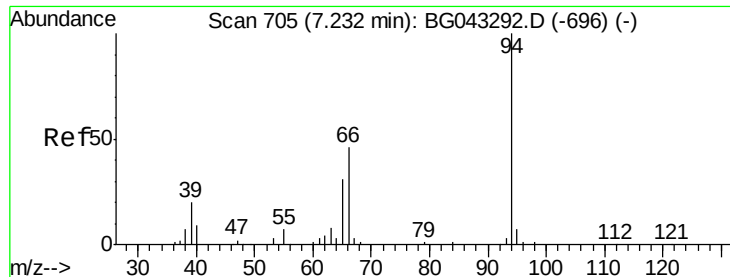


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.114 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BG043561.D

Acq: 8 Nov 2019 5:49

Instrument :

BNA_G

ClientSampleId :

TR-05-110519

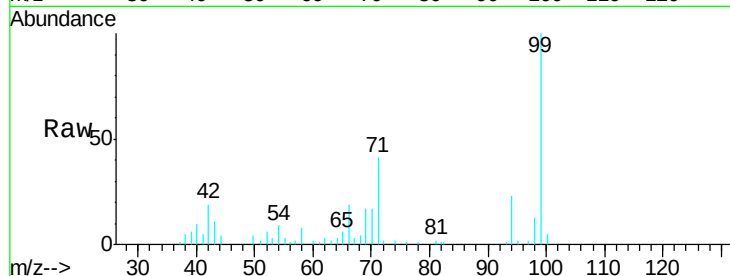
Tgt Ion: 94 Resp: 8137

Ion Ratio Lower Upper

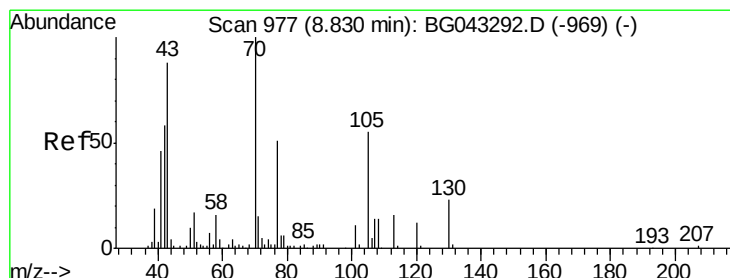
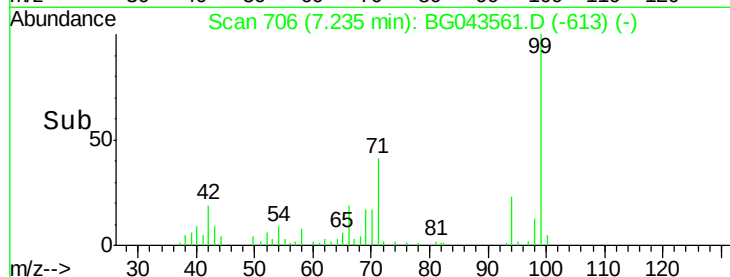
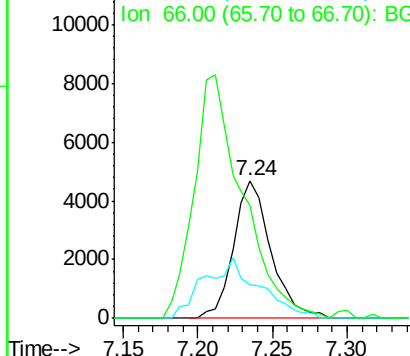
94 100

65 24.7 12.6 52.6

66 82.4 30.7 70.7#



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: 15.243 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG043561.D

Acq: 8 Nov 2019 5:49

Tgt Ion: 70 Resp: 21319

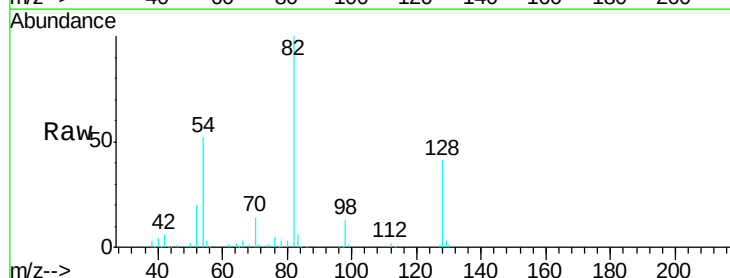
Ion Ratio Lower Upper

70 100

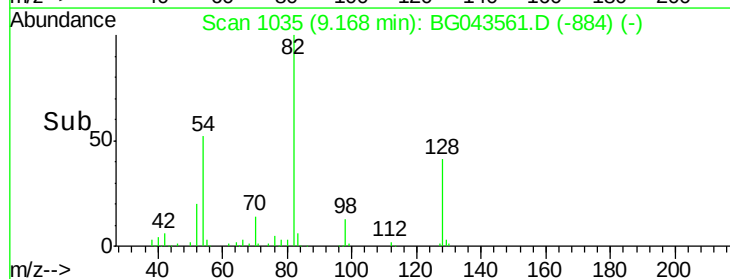
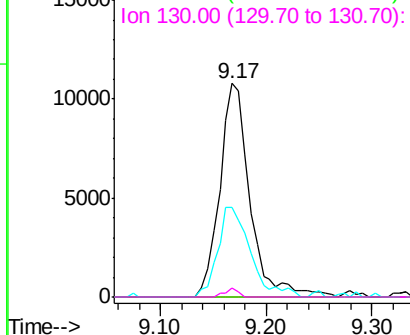
42 41.7 41.4 62.2

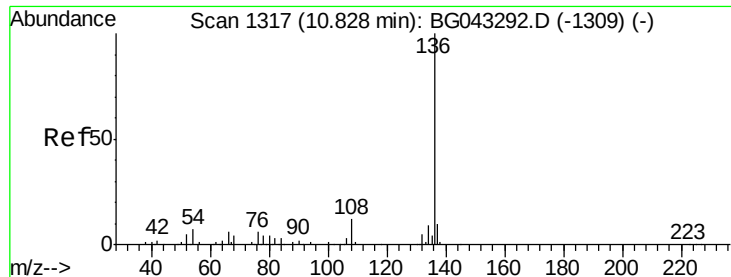
101 0.0 7.9 11.9#

130 4.2 19.0 28.4#



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

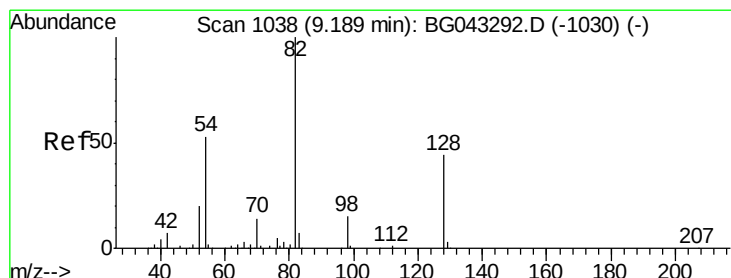
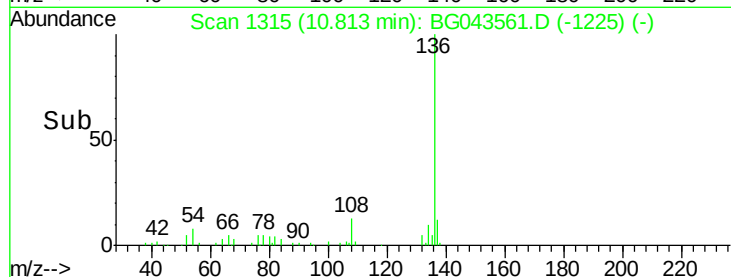
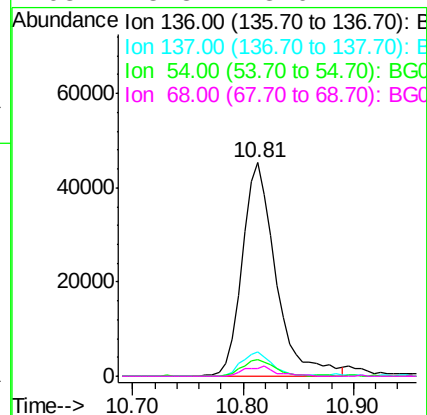
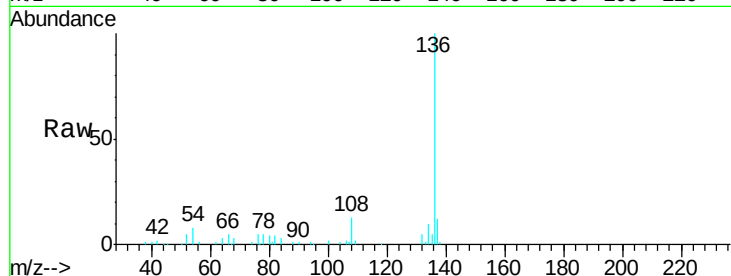




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043561.D
Acq: 8 Nov 2019 5:49

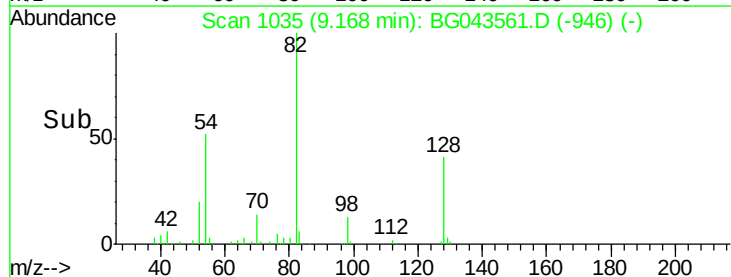
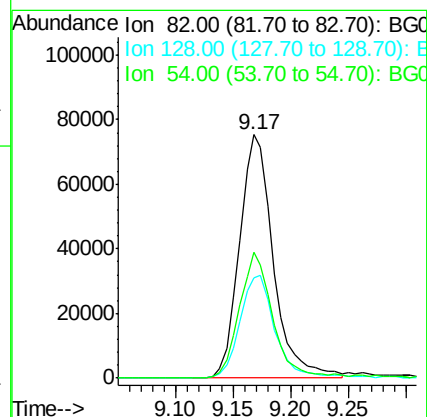
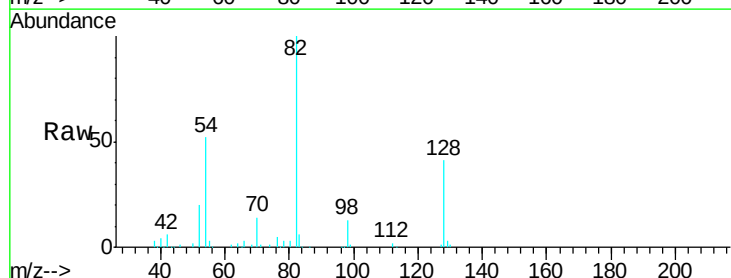
Instrument :
BNA_G
ClientSampleId :
TR-05-110519

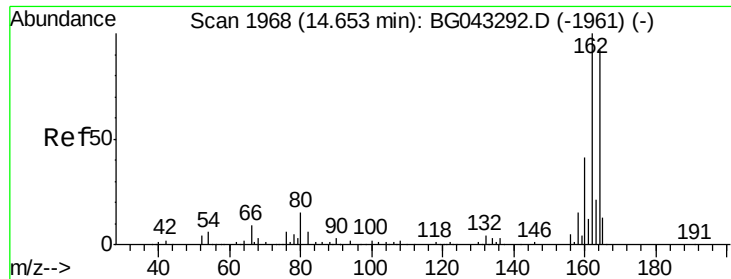
Tgt Ion:	136	Resp:	96645
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	7.6	5.4	8.2
68	3.3	3.0	4.4



#23
Nitrobenzene-d5
Concen: 81.677 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG043561.D
Acq: 8 Nov 2019 5:49

Tgt Ion:	82	Resp:	153113
Ion	Ratio	Lower	Upper
82	100		
128	41.1	35.0	52.6
54	51.8	40.2	60.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BG043561.D

Acq: 8 Nov 2019 5:49

Instrument :

BNA_G

ClientSampleId :

TR-05-110519

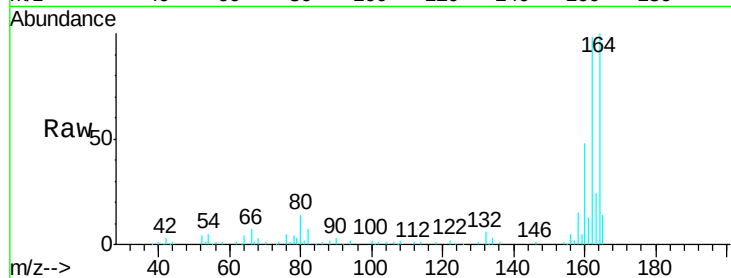
Tgt Ion:164 Resp: 74177

Ion Ratio Lower Upper

164 100

162 98.0 83.5 125.3

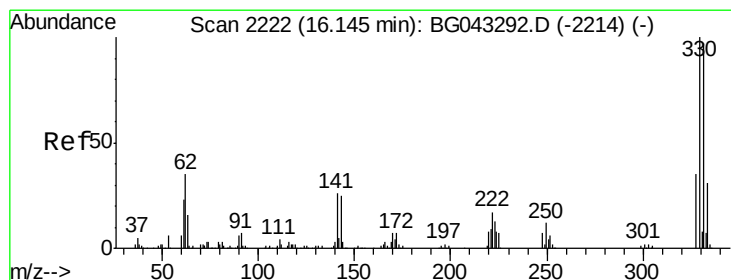
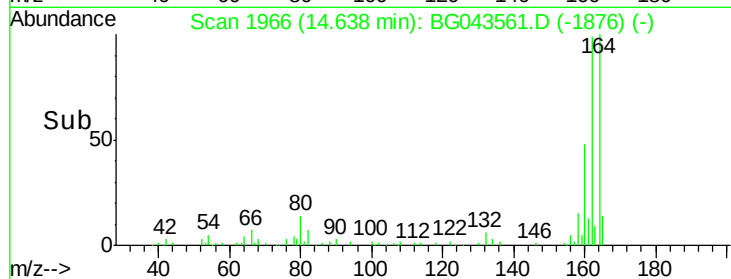
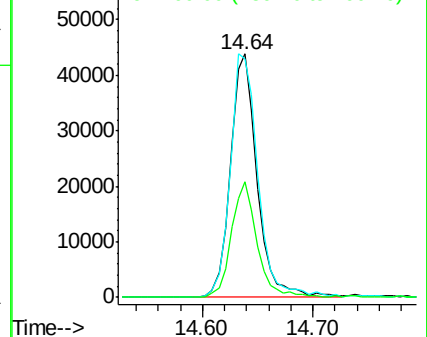
160 47.7 36.5 54.7



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: 129.098 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BG043561.D

Acq: 8 Nov 2019 5:49

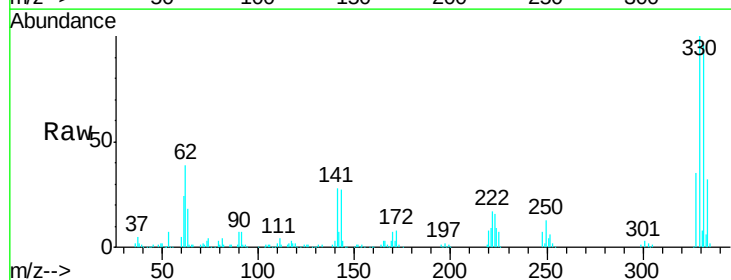
Tgt Ion:330 Resp: 182233

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

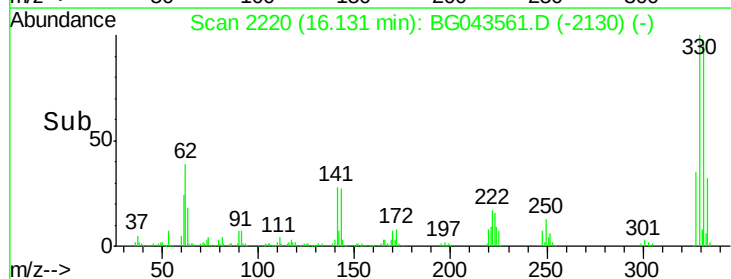
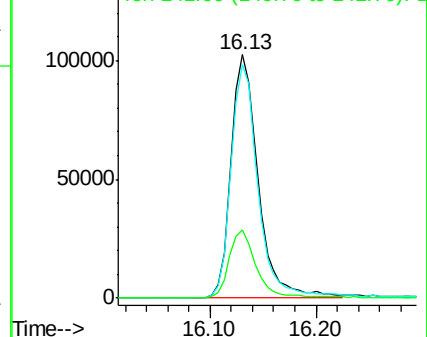
141 28.6 22.8 34.2

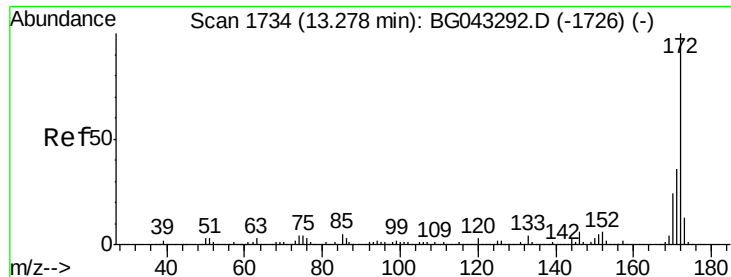


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

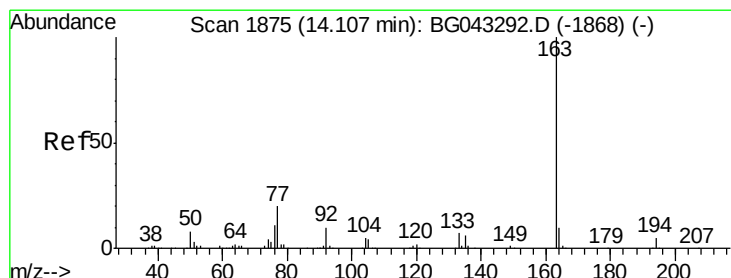
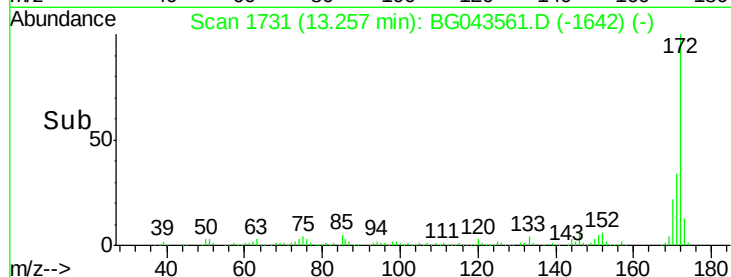
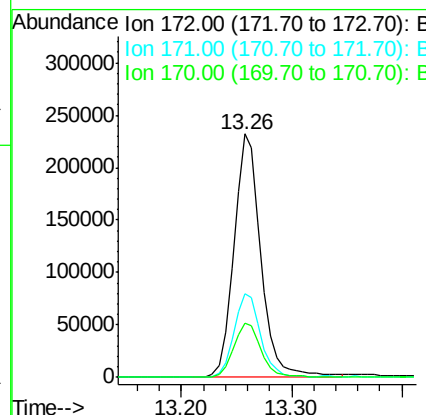
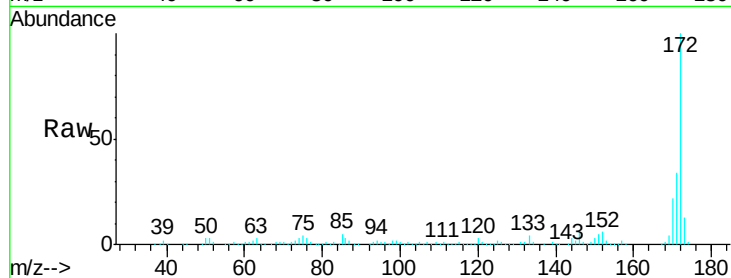




#45
 2-Fluorobiphenyl
 Concen: 73.898 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG043561.D
 Acq: 8 Nov 2019 5:49

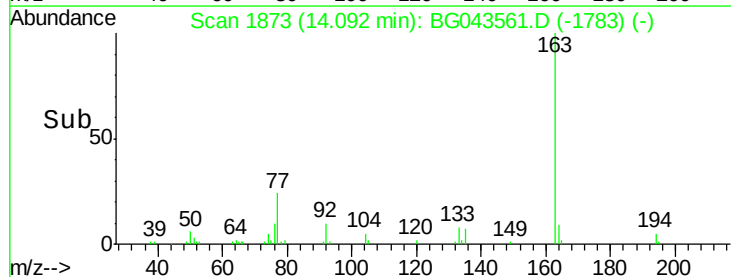
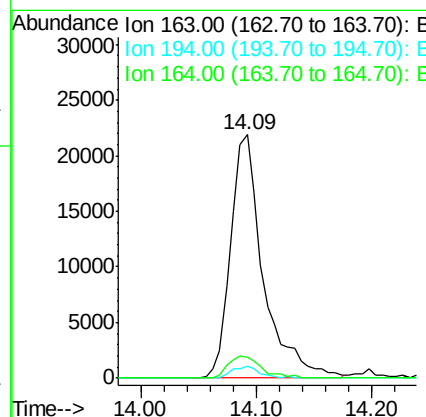
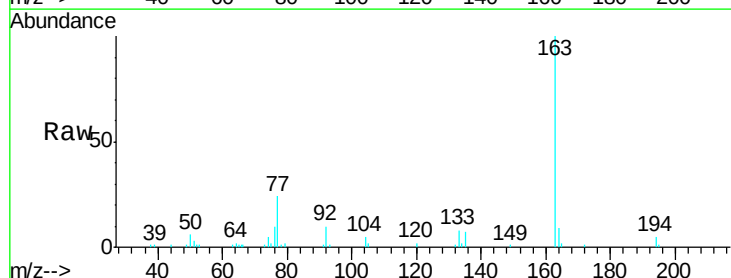
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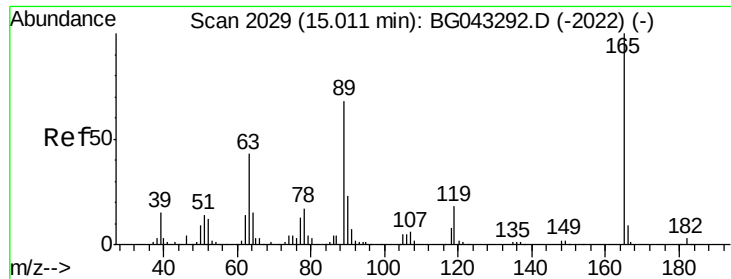
Tgt Ion:172 Resp: 396693
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.9 43.3
 170 22.3 18.5 27.7



#50
 Dimethylphthalate
 Concen: 7.493 ng
 RT: 14.09 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: BG043561.D
 Acq: 8 Nov 2019 5:49

Tgt Ion:163 Resp: 43051
 Ion Ratio Lower Upper
 163 100
 194 5.0 3.8 5.6
 164 8.8 8.9 13.3#

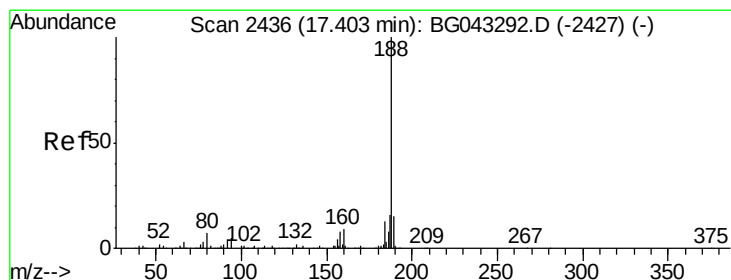
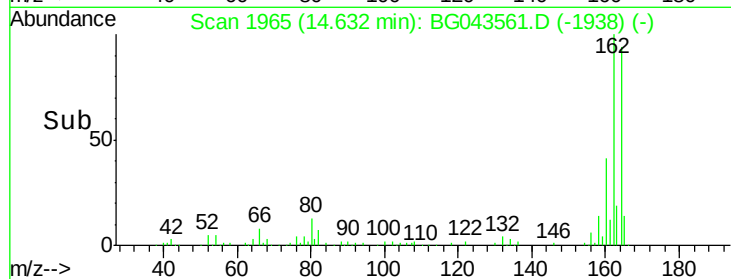
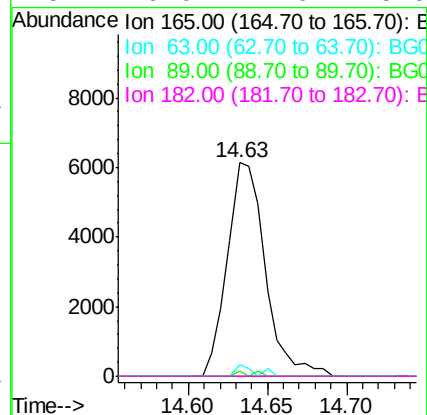
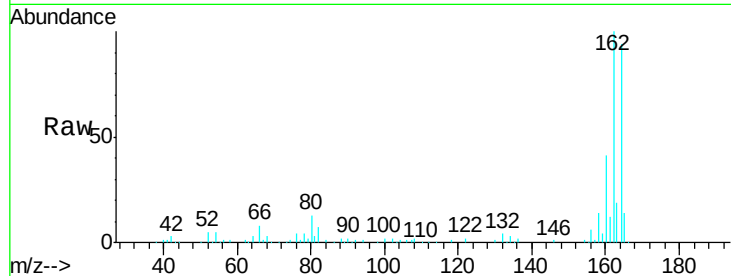




#57
 2,4-Dinitrotoluene
 Concen: 5.717 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.37 min
 Lab File: BG043561.D
 Acq: 8 Nov 2019 5:49

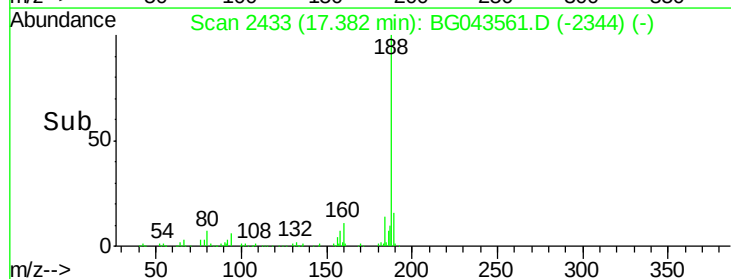
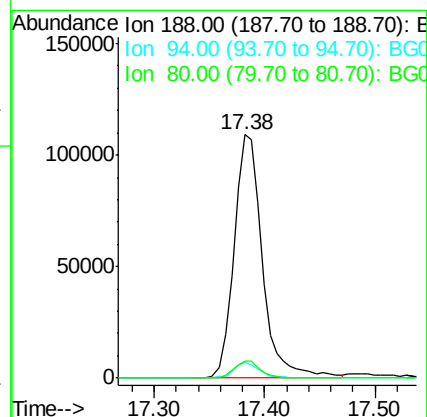
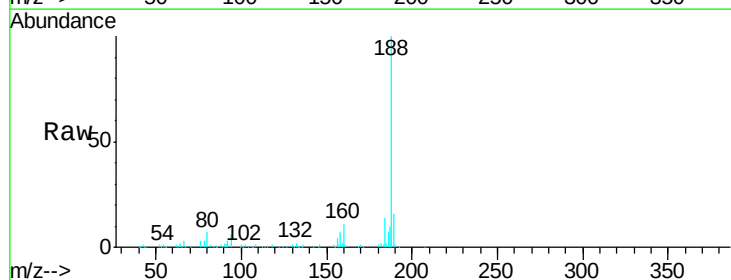
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-110519

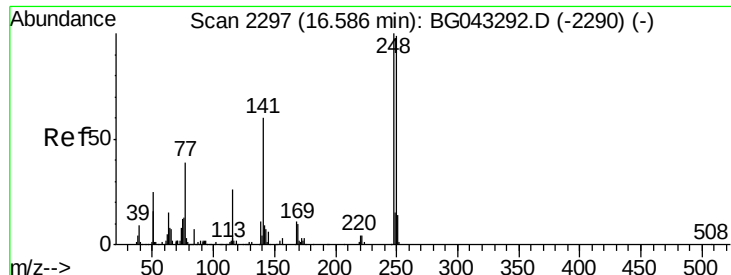
Tgt Ion:	165	Resp:	10199
Ion	Ratio	Lower	Upper
165	100		
63	5.2	33.2	49.8#
89	2.5	52.2	78.4#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BG043561.D
 Acq: 8 Nov 2019 5:49

Tgt Ion:	188	Resp:	196644
Ion	Ratio	Lower	Upper
188	100		
94	6.3	4.2	6.4
80	7.0	4.5	6.7#

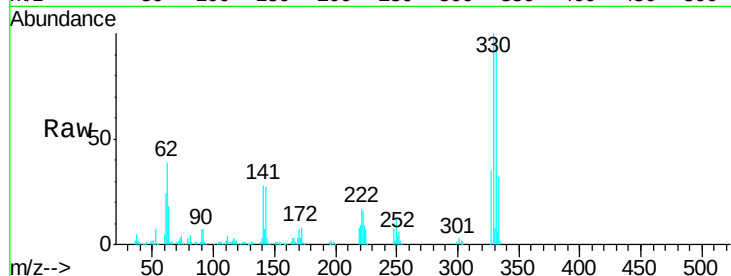




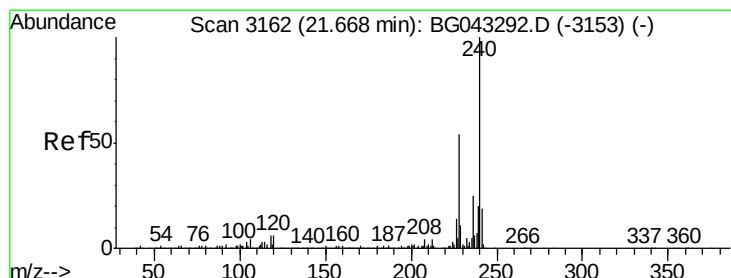
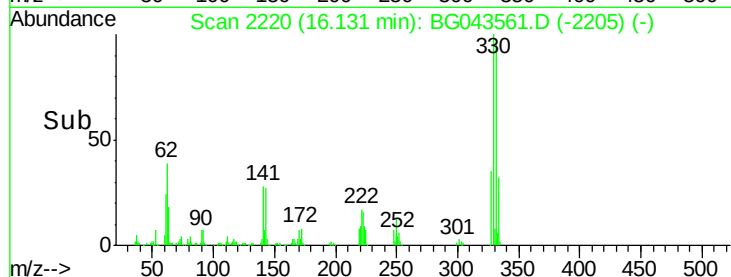
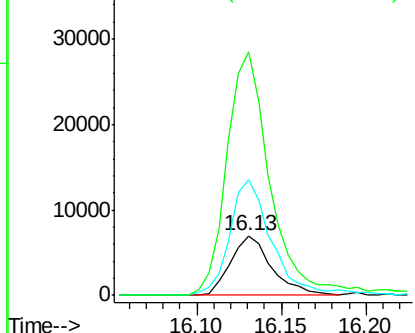
#67
 4-Bromophenyl-phenylether
 Concen: 4.473 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.44 min
 Lab File: BG043561.D
 Acq: 8 Nov 2019 5:49

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-110519

Tgt Ion:248 Resp: 11838
 Ion Ratio Lower Upper
 248 100
 250 194.5 77.0 115.4#
 141 410.3 47.5 71.3#

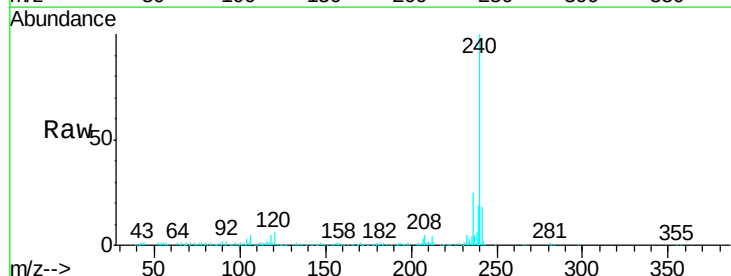


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

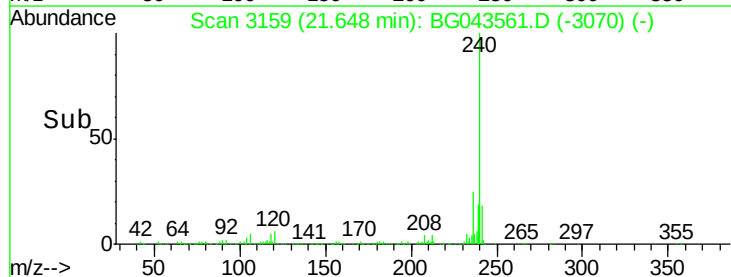
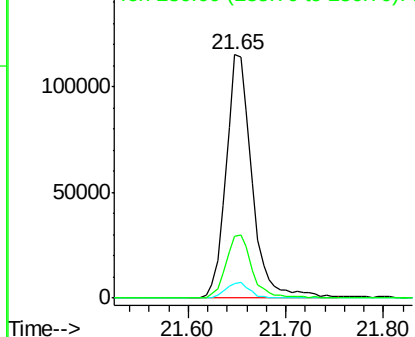


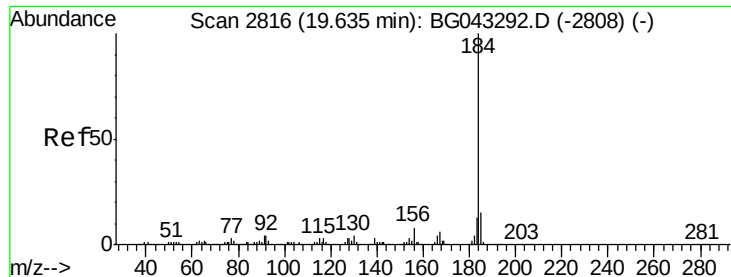
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG043561.D
 Acq: 8 Nov 2019 5:49

Tgt Ion:240 Resp: 212444
 Ion Ratio Lower Upper
 240 100
 120 5.8 4.6 6.8
 236 25.5 19.8 29.8



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: 3.574 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.37 min

Lab File: BG043561.D

Acq: 8 Nov 2019 5:49

Instrument :

BNA_G

ClientSampleId :

TR-05-110519

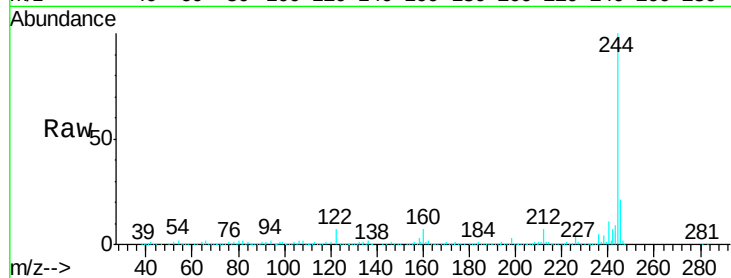
Tgt Ion:184 Resp: 15282

Ion Ratio Lower Upper

184 100

185 19.2 11.0 16.4#

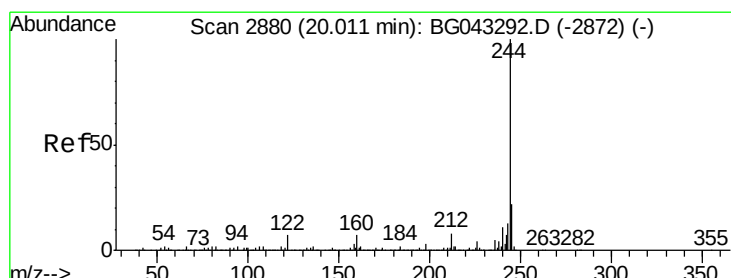
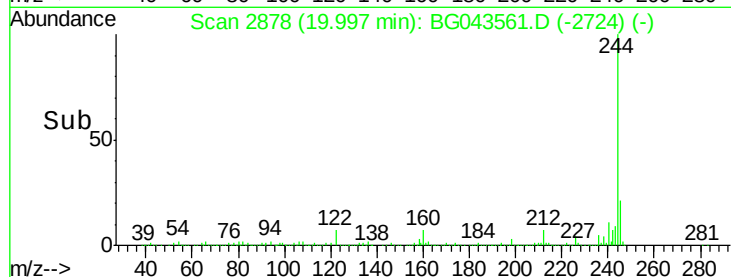
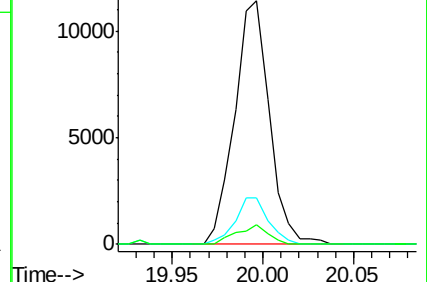
183 7.9 10.0 15.0#



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: 93.366 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG043561.D

Acq: 8 Nov 2019 5:49

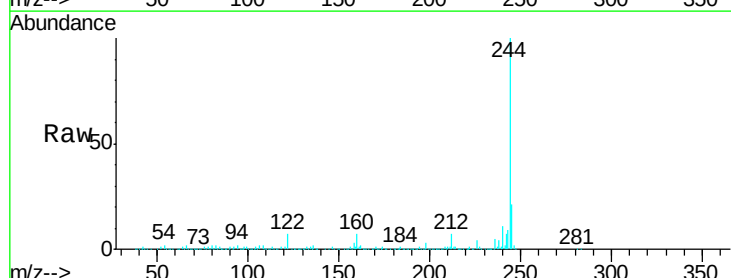
Tgt Ion:244 Resp: 1057268

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

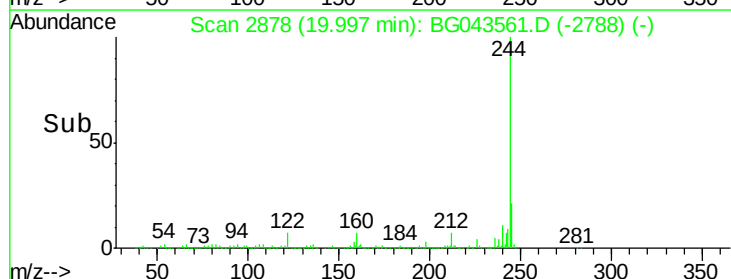
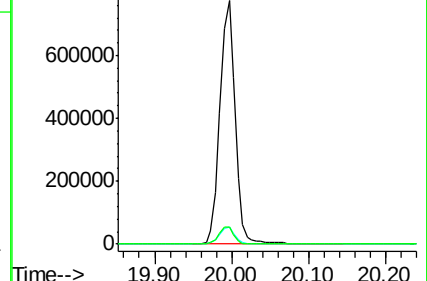
122 6.7 5.4 8.2

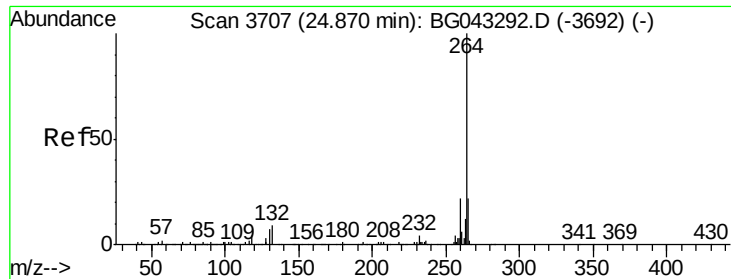


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.84 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BG043561.D

Acq: 8 Nov 2019 5:49

Instrument :

BNA_G

ClientSampleId :

TR-05-110519

Tgt Ion: 264 Resp: 250604

Ion Ratio Lower Upper

264 100

260 22.7 17.5 26.3

265 21.6 17.4 26.0

