

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG110719\
 Data File : BG043548.D
 Acq On : 7 Nov 2019 20:47
 Operator : JU
 Sample : K5723-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 9-D

Quant Time: Nov 08 04:18:11 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

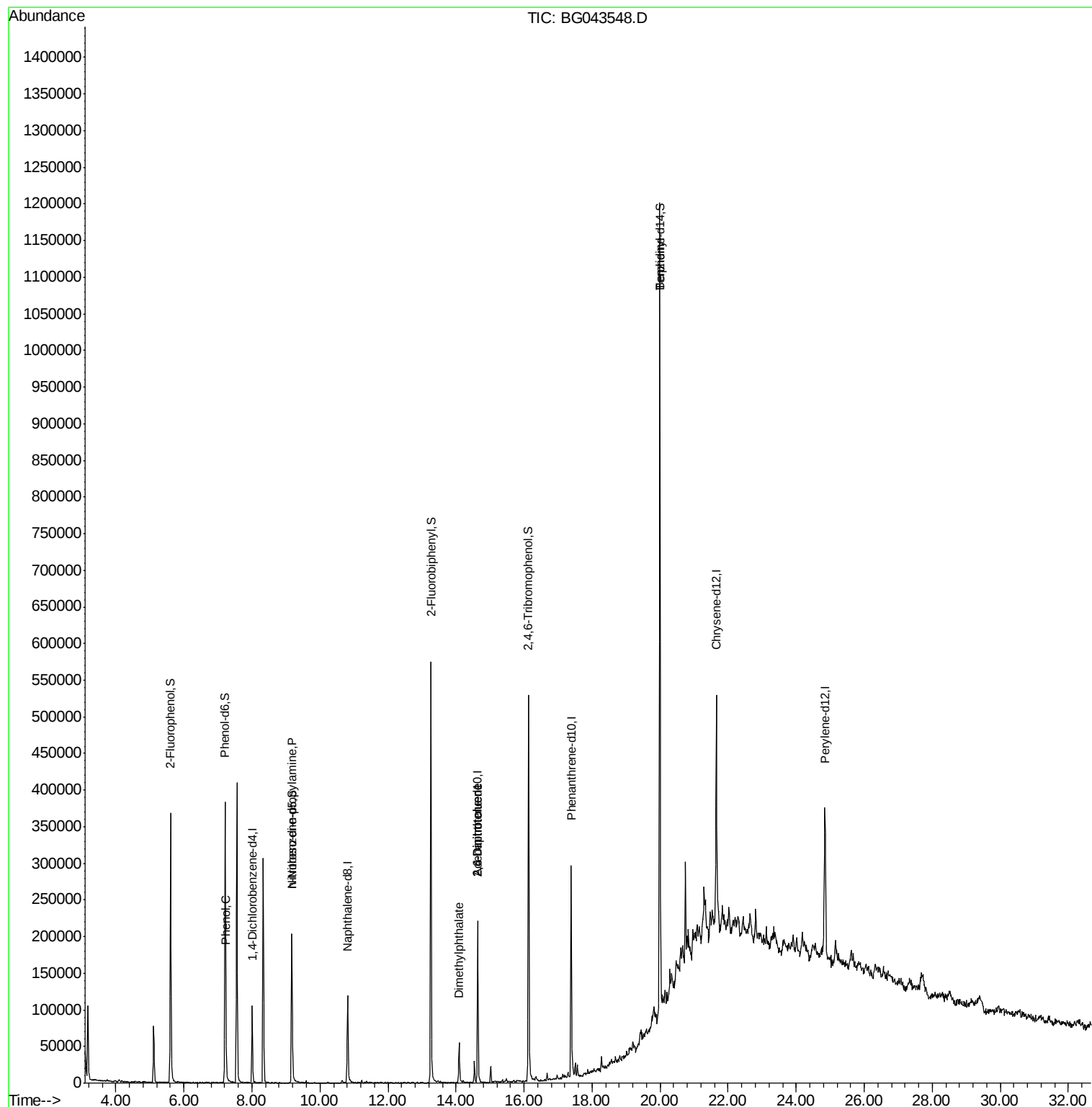
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	34363	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	117052	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	88015	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	203377	20.00	ng	0.00
76) Chrysene-d12	21.65	240	207463	20.00	ng	0.00
87) Perylene-d12	24.84	264	243489	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	177418	94.61	ng	0.02
7) Phenol-d6	7.21	99	245061	90.83	ng	0.02
23) Nitrobenzene-d5	9.17	82	148705	65.50	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	138901	82.93	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	342432	53.76	ng	0.00
79) Terphenyl-d14	19.99	244	611421	55.29	ng	0.00
Target Compounds						
10) Phenol	7.24	94	8129	3.297	ng	# 70
19) n-Nitroso-di-n-propylamine	9.17	70	21027	12.061	ng	# 78
50) Dimethylphthalate	14.09	163	45183	6.628	ng	# 99
51) 2,6-Dinitrotoluene	14.63	165	11545	7.795	ng	# 25
57) 2,4-Dinitrotoluene	14.63	165	11545	5.454	ng	# 28
77) Benzidine	19.99	184	9085	2.176	ng	# 90

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

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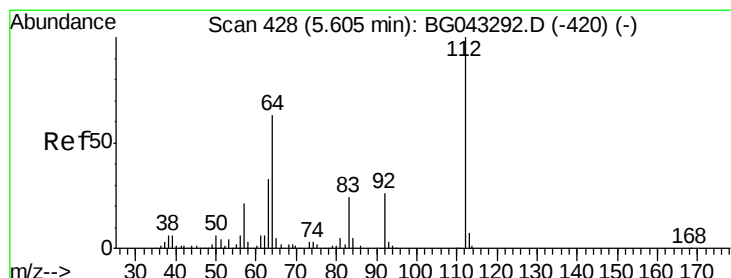
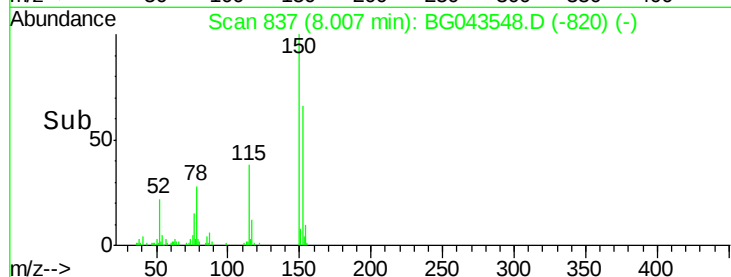
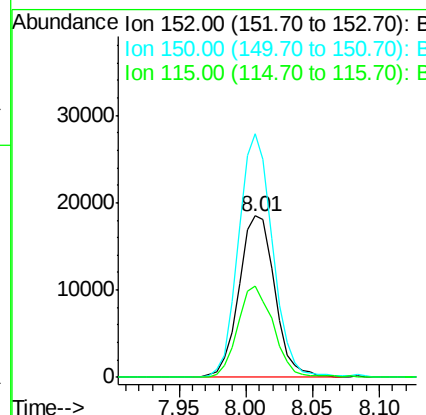
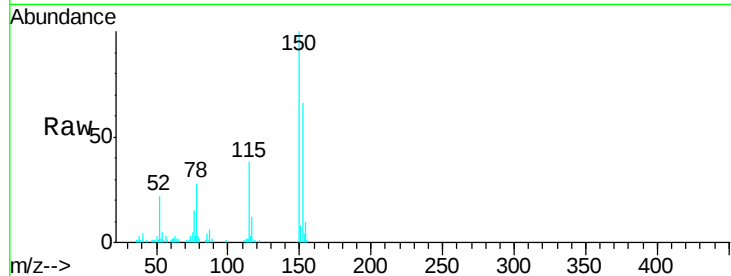


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG043548.D
Acq: 7 Nov 2019 20:47

Instrument :
BNA_G
ClientSampleId :
9-D

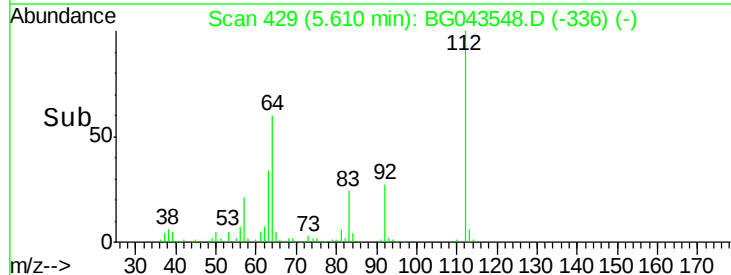
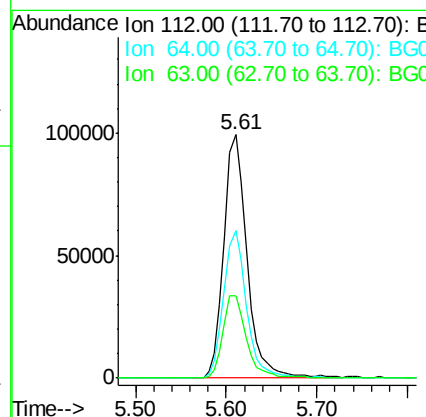
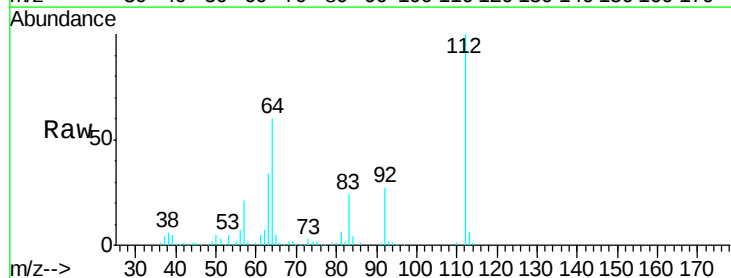
Tgt Ion:152 Resp: 34363
Ion Ratio Lower Upper
152 100
150 151.0 129.4 194.0
115 56.9 48.8 73.2

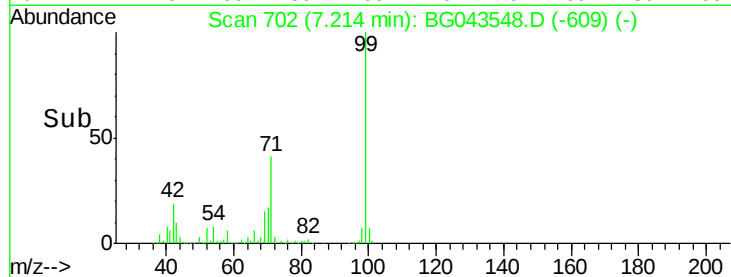
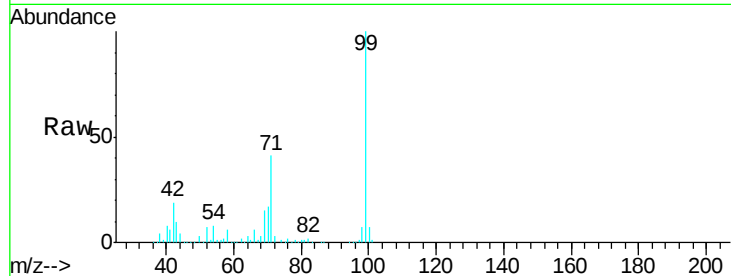


#5

2-Fluorophenol
Concen: 94.610 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.02 min
Lab File: BG043548.D
Acq: 7 Nov 2019 20:47

Tgt Ion:112 Resp: 177418
Ion Ratio Lower Upper
112 100
64 60.4 50.0 75.0
63 34.0 26.6 40.0





#7

Phenol-d6

Concen: 90.829 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.02 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

Instrument :

BNA_G

ClientSampleId :

9-D

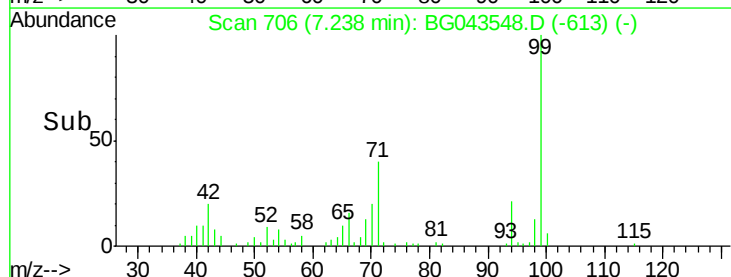
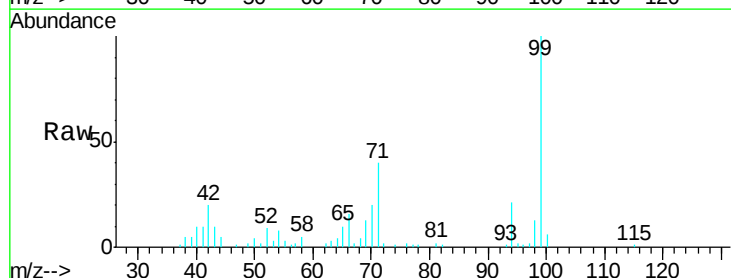
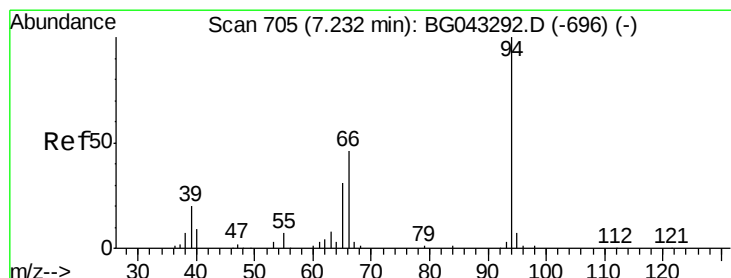
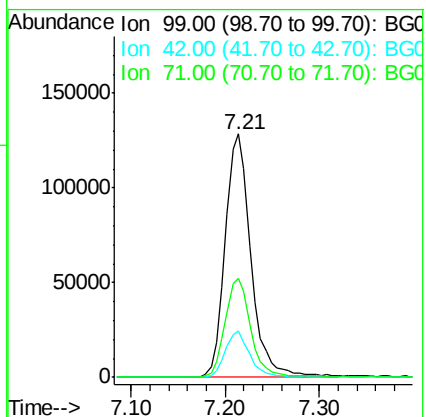
Tgt Ion: 99 Resp: 245061

Ion Ratio Lower Upper

99 100

42 18.9 14.6 21.8

71 40.5 32.5 48.7



#10

Phenol

Concen: 3.297 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.02 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

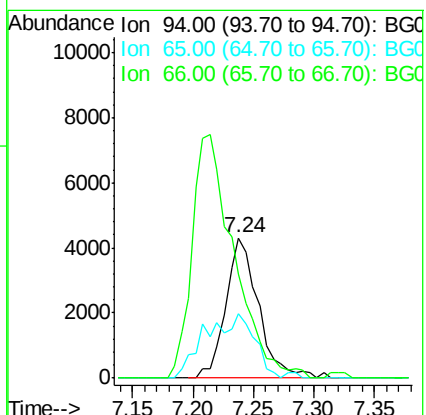
Tgt Ion: 94 Resp: 8129

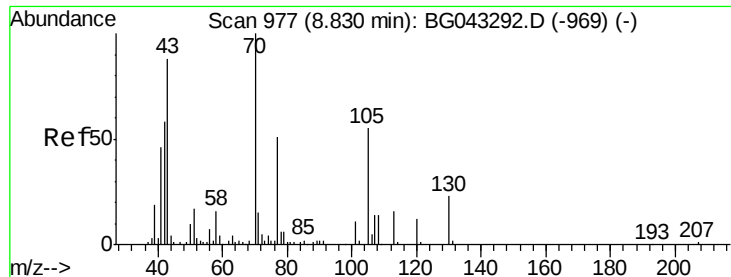
Ion Ratio Lower Upper

94 100

65 46.0 12.6 52.6

66 74.6 30.7 70.7#





#19

n-Nitroso-di-n-propylamine

Concen: 12.061 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

Instrument :

BNA_G

ClientSampleId :

9-D

Tgt Ion: 70 Resp: 21027

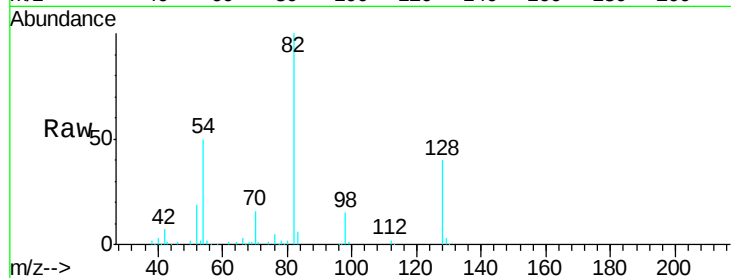
Ion Ratio Lower Upper

70 100

42 43.5 41.4 62.2

101 0.0 7.9 11.9#

130 2.4 19.0 28.4#



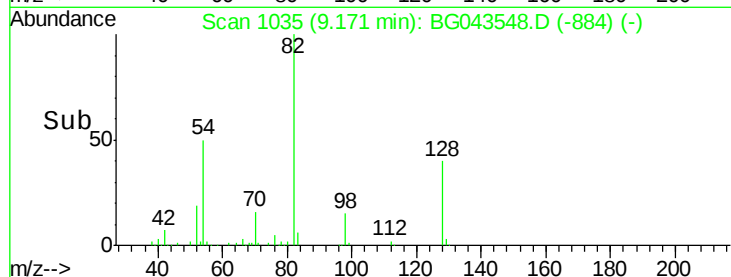
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

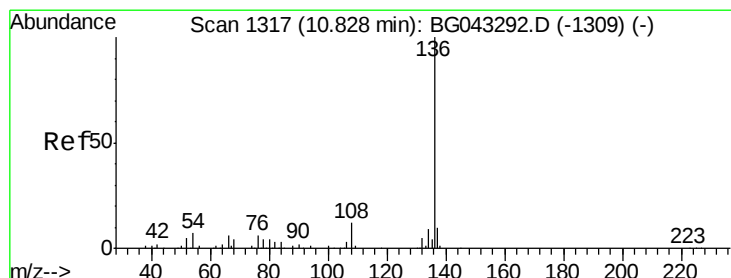
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

Tgt Ion: 136 Resp: 117052

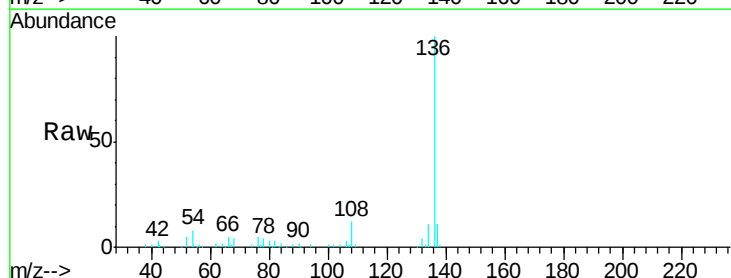
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 7.6 5.4 8.2

68 3.6 3.0 4.4



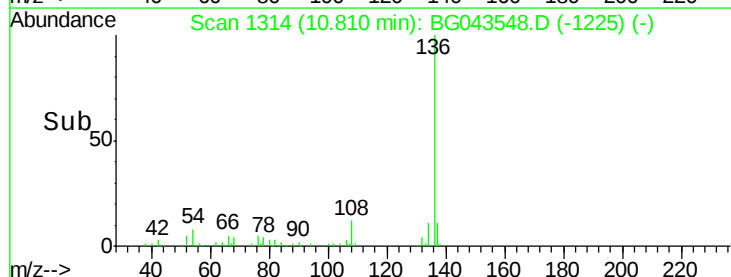
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

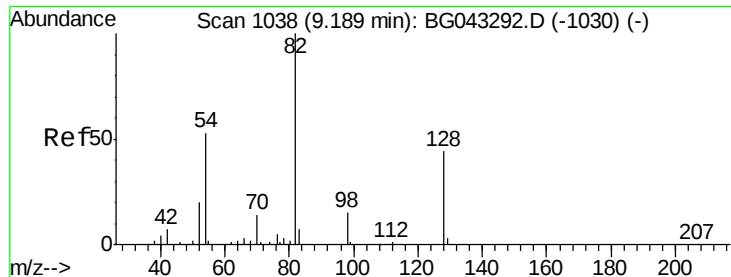
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

Time-->



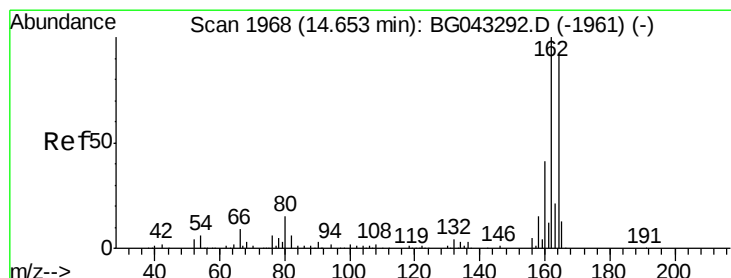
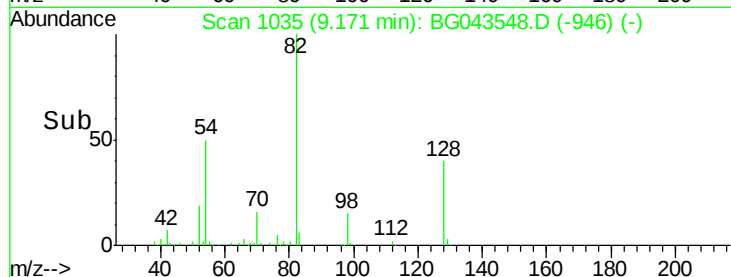
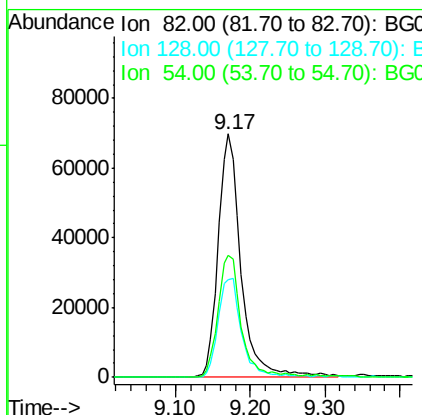
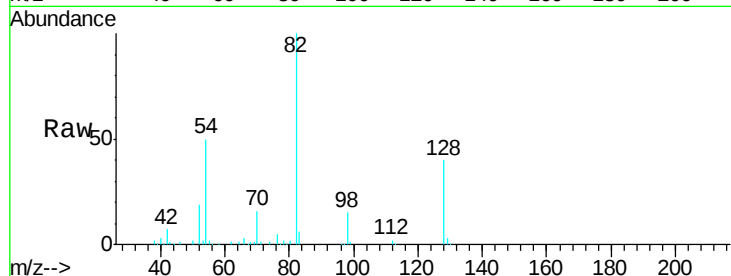
Time-->



#23
 Nitrobenzene-d5
 Concen: 65.496 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG043548.D
 Acq: 7 Nov 2019 20:47

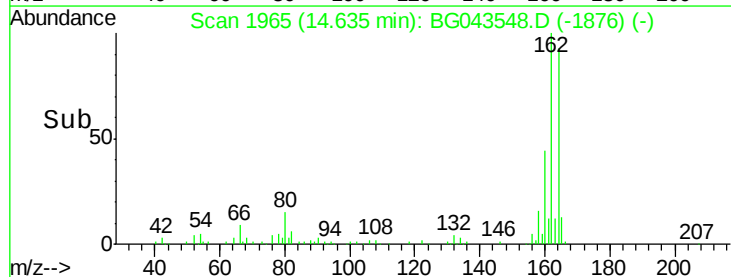
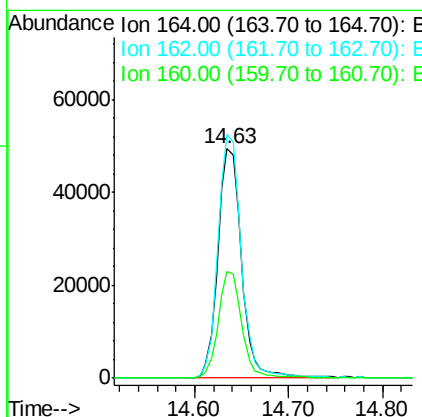
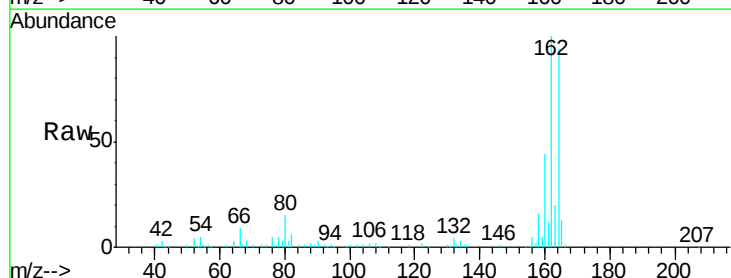
Instrument :
 BNA_G
 ClientSampleId :
 9-D

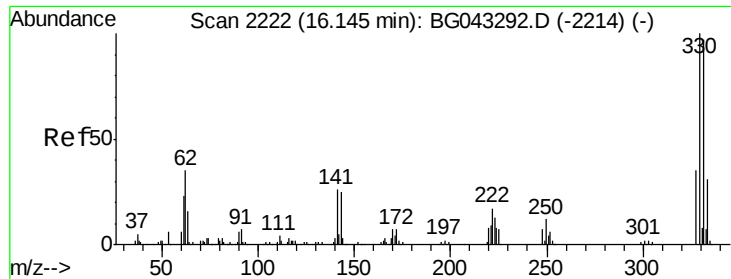
Tgt Ion: 82 Resp: 148705
 Ion Ratio Lower Upper
 82 100
 128 40.0 35.0 52.6
 54 50.3 40.2 60.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.01 min
 Lab File: BG043548.D
 Acq: 7 Nov 2019 20:47

Tgt Ion: 164 Resp: 88015
 Ion Ratio Lower Upper
 164 100
 162 106.3 83.5 125.3
 160 46.3 36.5 54.7





#42

2,4,6-Tribromophenol

Concen: 82.930 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

Instrument :

BNA_G

ClientSampleId :

9-D

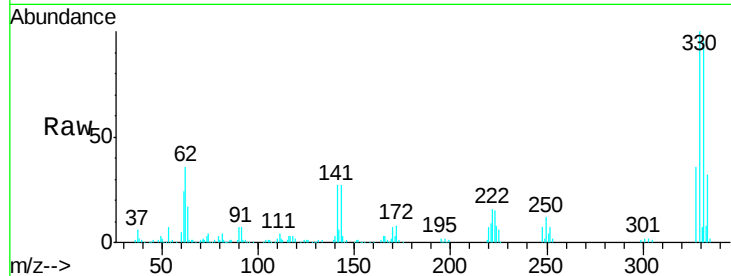
Tgt Ion:330 Resp: 138901

Ion Ratio Lower Upper

330 100

332 94.8 77.4 116.0

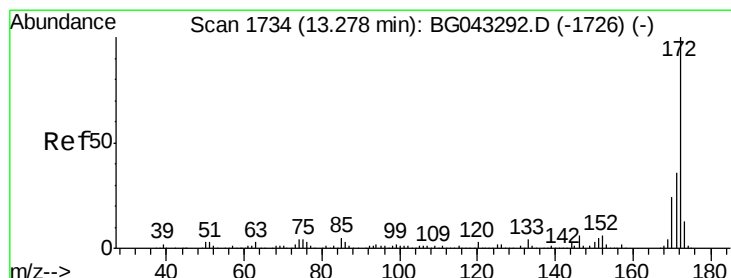
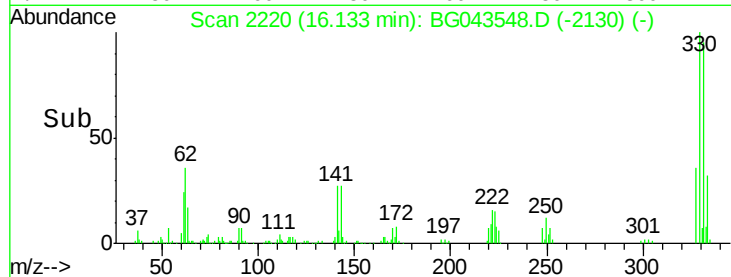
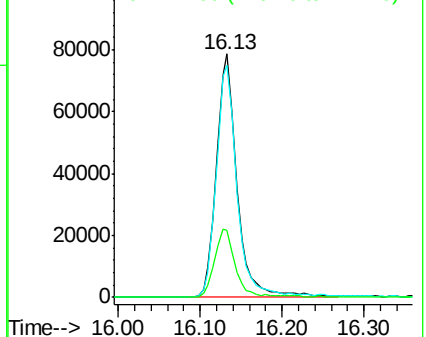
141 28.1 22.8 34.2



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: 53.761 ng

RT: 13.26 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

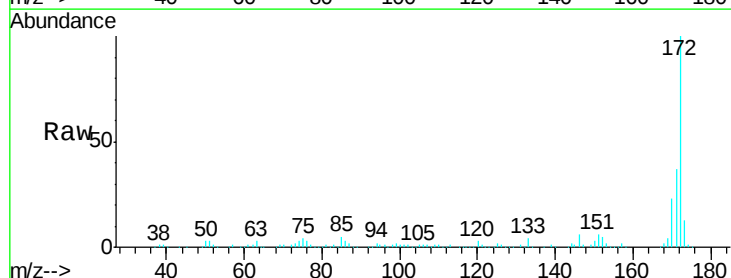
Tgt Ion:172 Resp: 342432

Ion Ratio Lower Upper

172 100

171 37.0 28.9 43.3

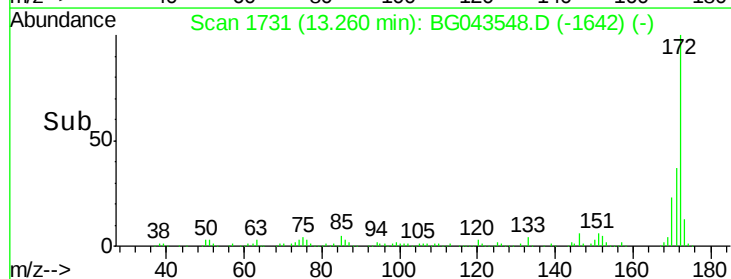
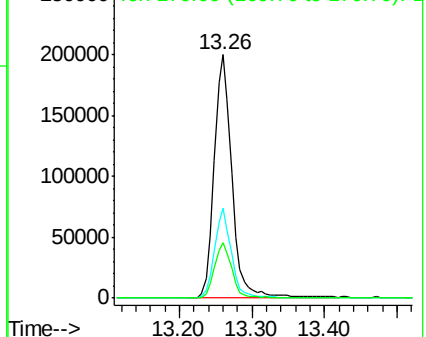
170 23.0 18.5 27.7

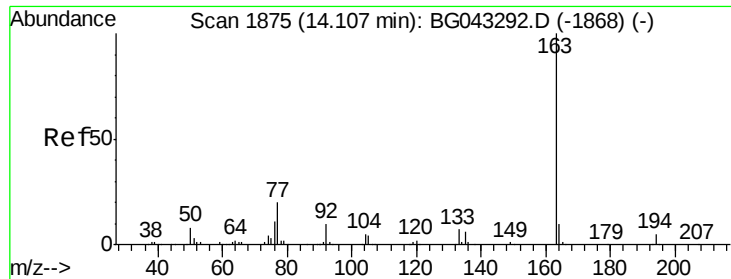


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.628 ng

RT: 14.09 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

Instrument :

BNA_G

ClientSampleId :

9-D

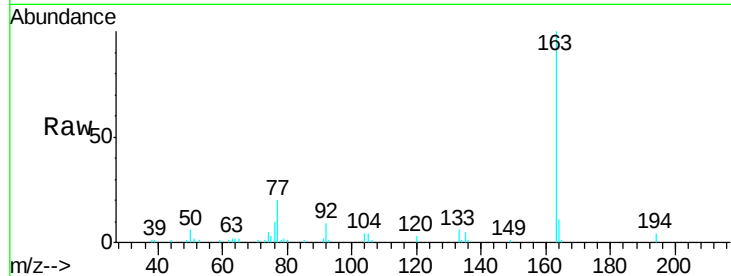
Tgt Ion:163 Resp: 45183

Ion Ratio Lower Upper

163 100

194 4.5 3.8 5.6

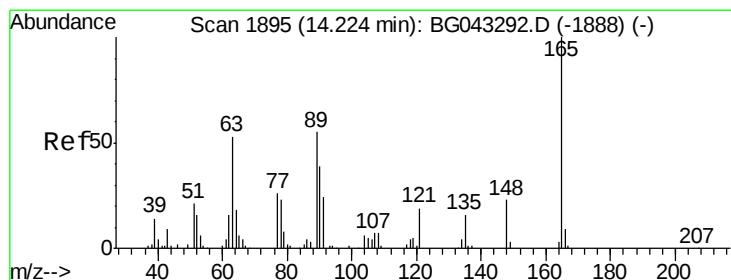
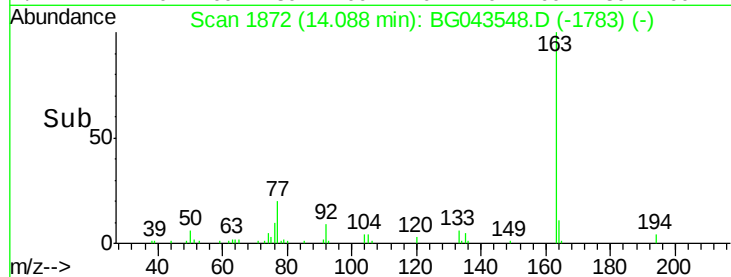
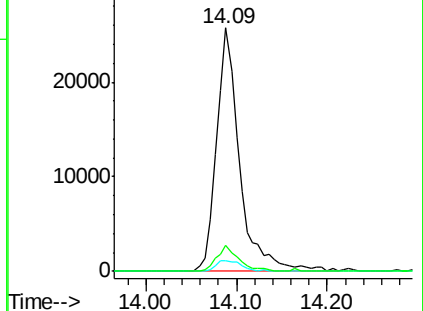
164 10.7 8.9 13.3



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: 7.795 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.42 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

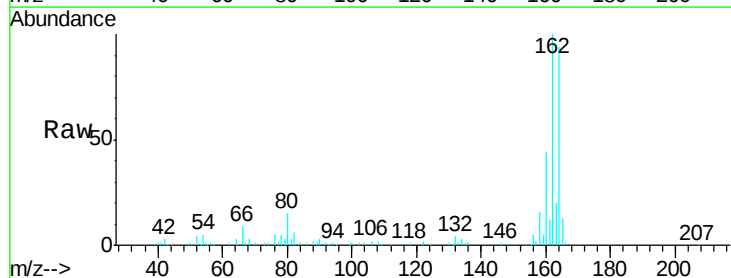
Tgt Ion:165 Resp: 11545

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

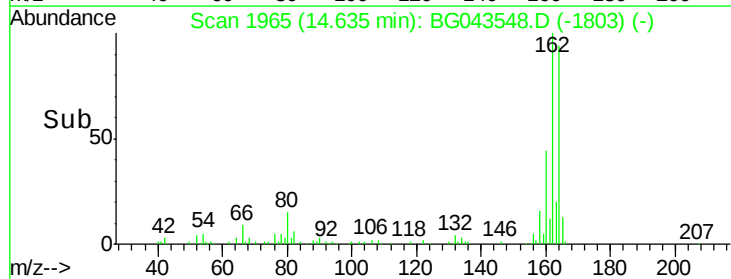
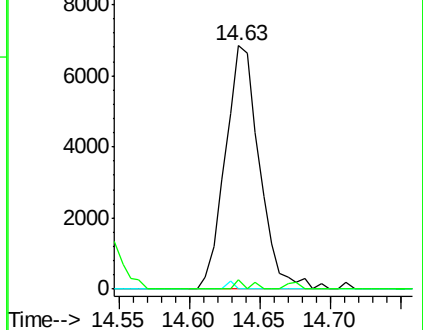
89 4.0 45.1 67.7#

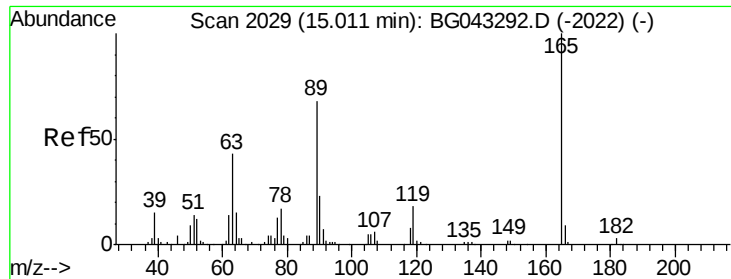


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

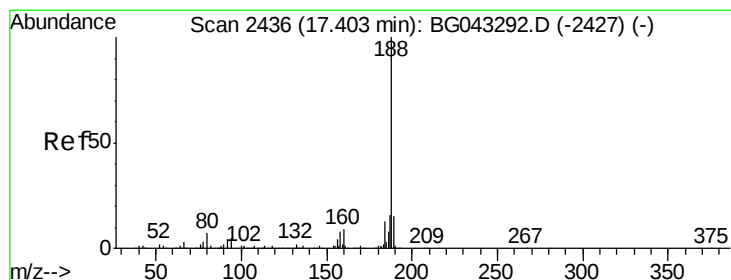
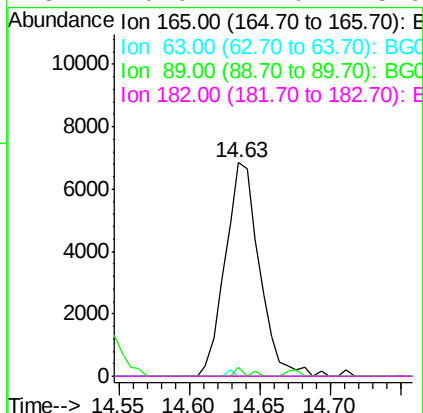
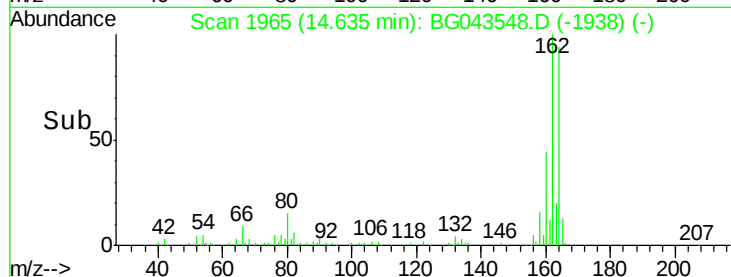
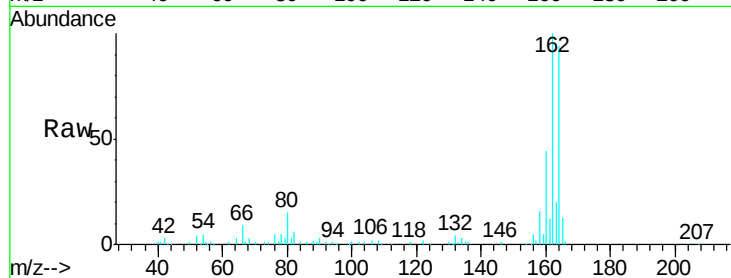




#57
 2,4-Dinitrotoluene
 Concen: 5.454 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.37 min
 Lab File: BG043548.D
 Acq: 7 Nov 2019 20:47

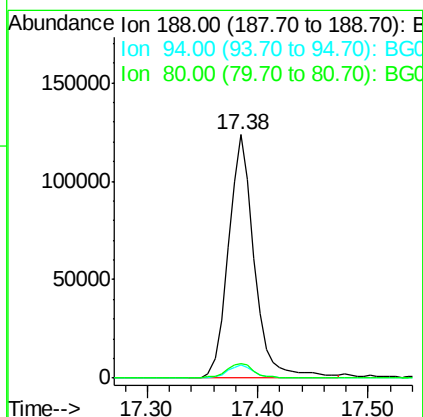
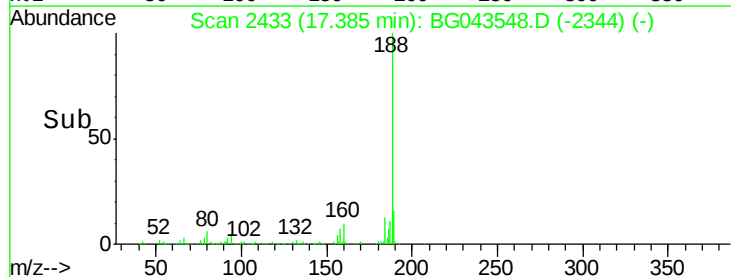
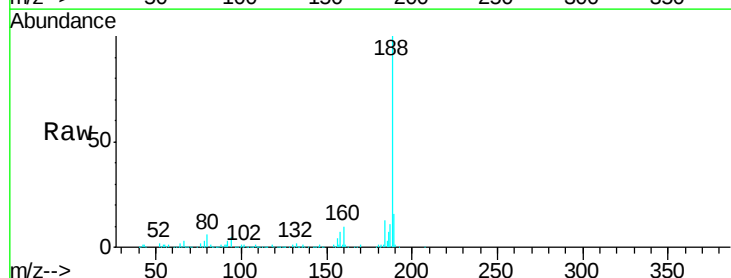
Instrument :
 BNA_G
 ClientSampleId :
 9-D

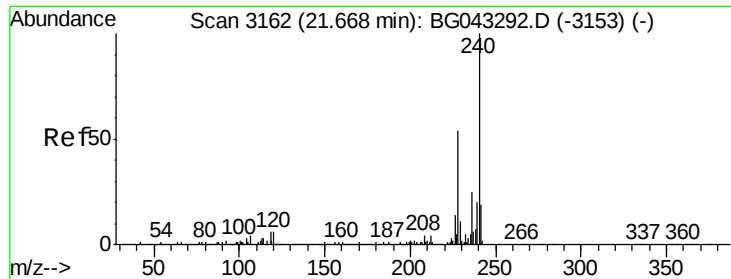
Tgt Ion:165 Resp: 11545
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.2 49.8#
 89 4.0 52.2 78.4#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BG043548.D
 Acq: 7 Nov 2019 20:47

Tgt Ion:188 Resp: 203377
 Ion Ratio Lower Upper
 188 100
 94 5.4 4.2 6.4
 80 6.2 4.5 6.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

Instrument :

BNA_G

ClientSampleId :

9-D

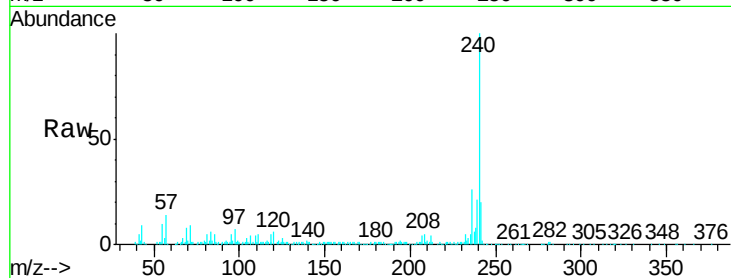
Tgt Ion:240 Resp: 207463

Ion Ratio Lower Upper

240 100

120 5.8 4.6 6.8

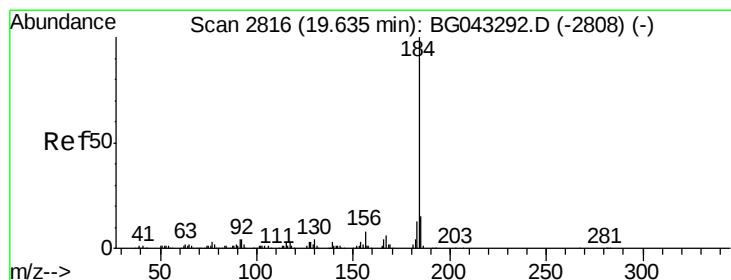
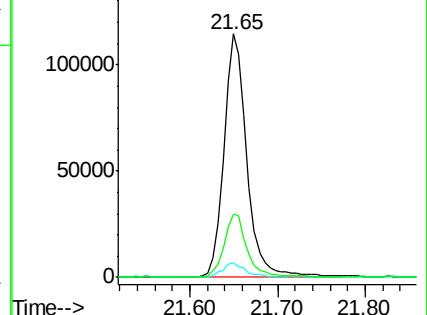
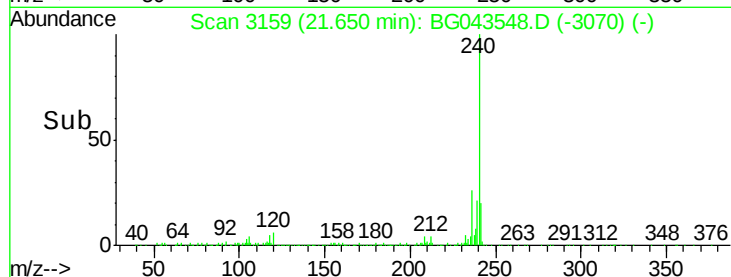
236 26.0 19.8 29.8



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: 2.176 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.37 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

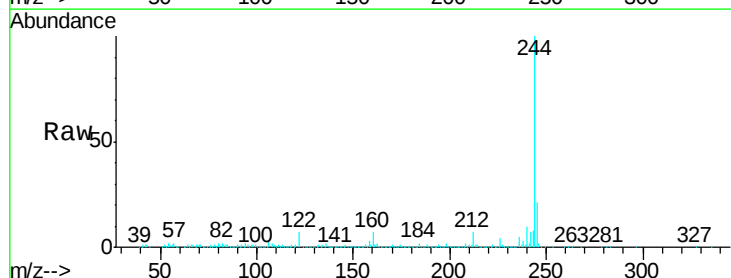
Tgt Ion:184 Resp: 9085

Ion Ratio Lower Upper

184 100

185 19.8 11.0 16.4#

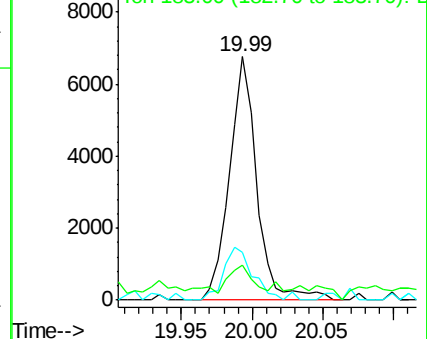
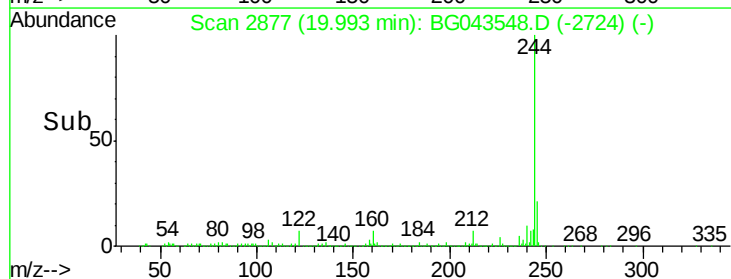
183 14.2 10.0 15.0

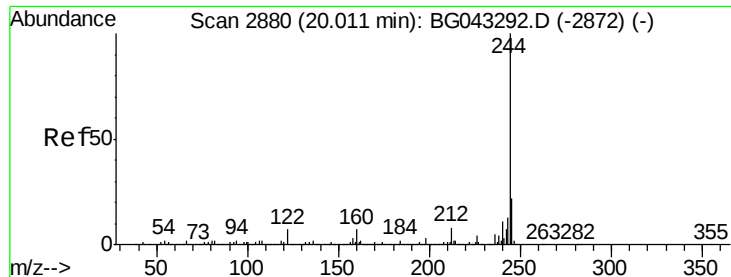


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 55.290 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

Instrument :

BNA_G

ClientSampleId :

9-D

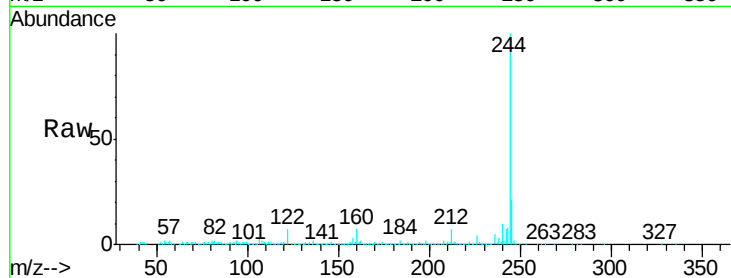
Tgt Ion:244 Resp: 611421

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

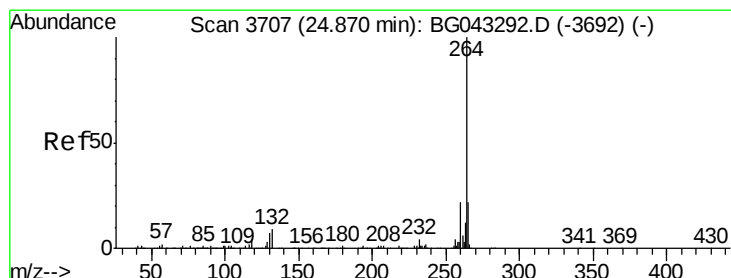
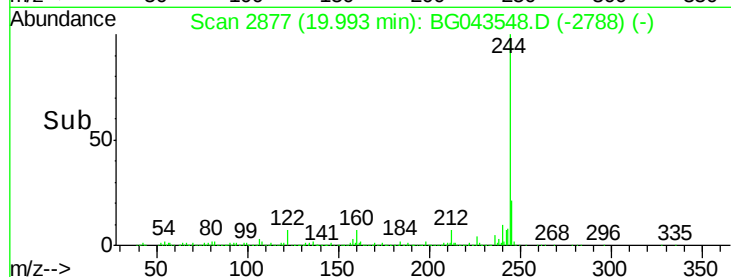
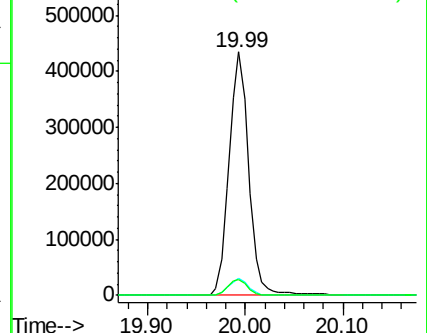
122 6.6 5.4 8.2



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# 3702

Delta R.T. -0.01 min

Lab File: BG043548.D

Acq: 7 Nov 2019 20:47

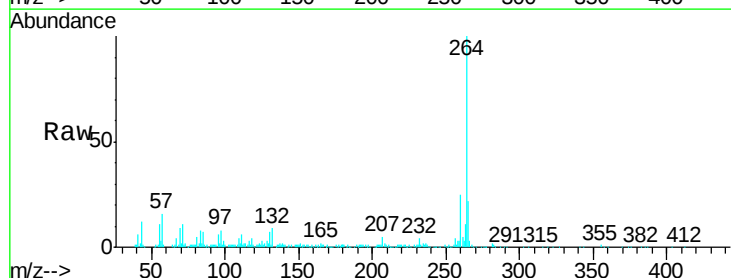
Tgt Ion:264 Resp: 243489

Ion Ratio Lower Upper

264 100

260 24.7 17.5 26.3

265 22.4 17.4 26.0



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

