

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042309.D
 Acq On : 18 Aug 2019 5:34
 Operator : HP/JU
 Sample : K4277-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-22

Quant Time: Aug 19 05:59:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

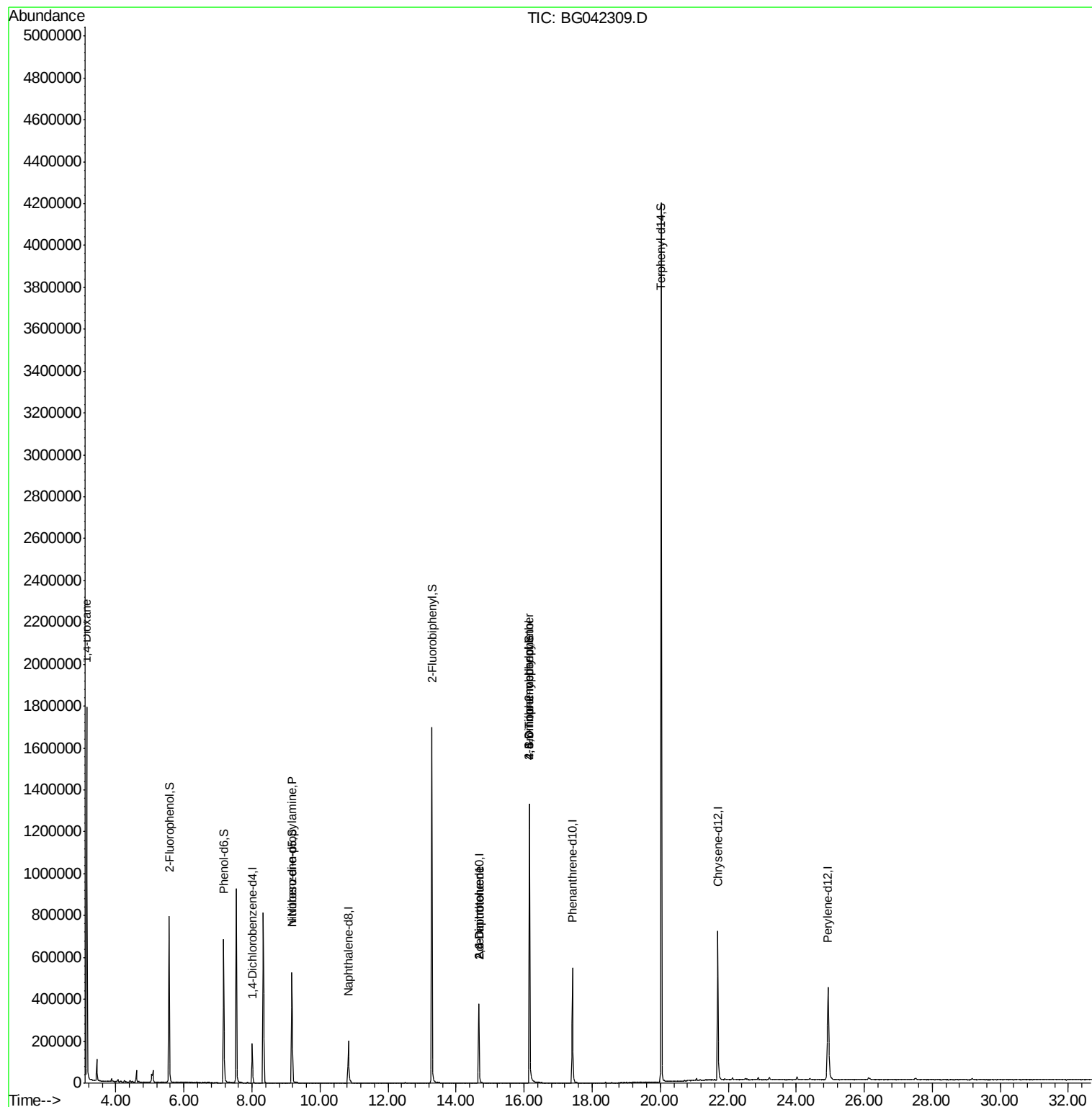
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	63948	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	230373	20.00	ng	-0.04
39) Acenaphthene-d10	14.66	164	164934	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	400874	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	482789	20.00	ng	-0.04
87) Perylene-d12	24.93	264	546315	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	403012	122.62	ng	-0.03
7) Phenol-d6	7.17	99	480143	108.36	ng	-0.03
23) Nitrobenzene-d5	9.17	82	353124	105.48	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	334509	178.55	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1048017	112.07	ng	-0.04
79) Terphenyl-d14	20.03	244	2049668	97.15	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	16958	10.962	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	44025	13.685	ng	# 64
51) 2,6-Dinitrotoluene	14.67	165	21527	9.139	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	21527	6.646	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.16	198	704	7.160	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	23853	4.831	ng	# 1

(#) = 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. -0.04 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

Instrument :

BNA_G

ClientSampleId :

TP-22

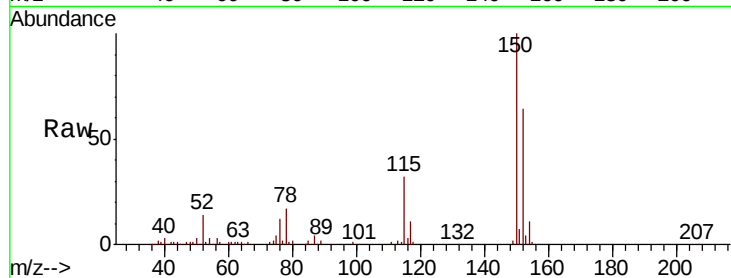
Tgt Ion:152 Resp: 63948

Ion Ratio Lower Upper

152 100

150 156.5 126.9 190.3

115 49.7 45.0 67.6

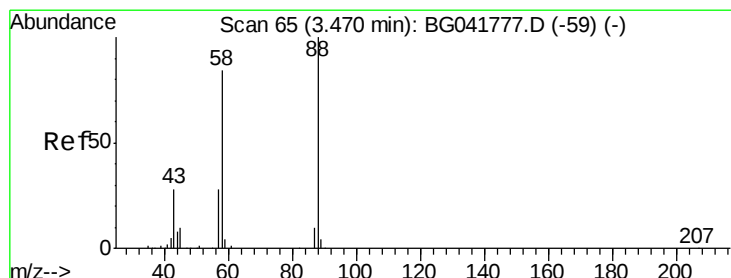
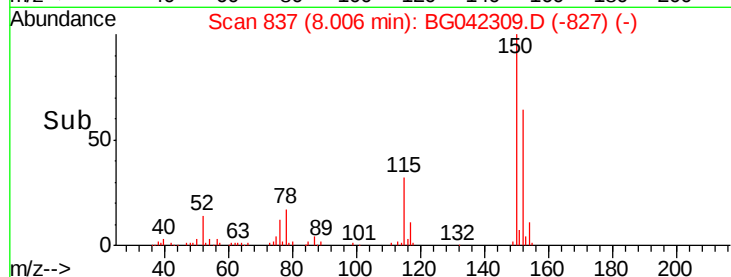
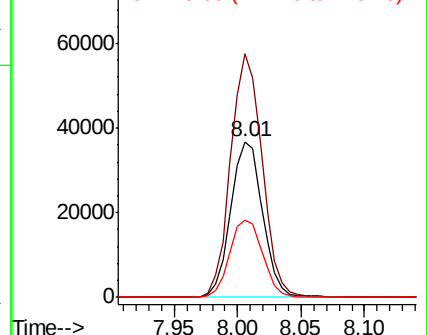


Abundance

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: 10.962 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

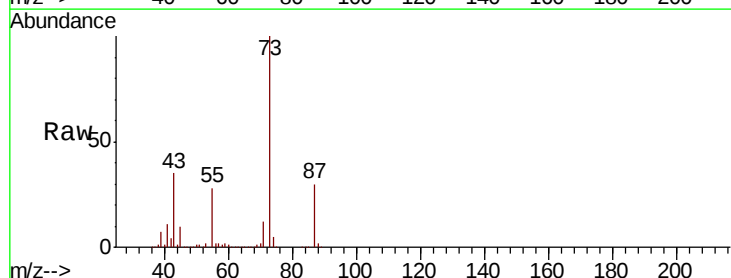
Tgt Ion: 88 Resp: 16958

Ion Ratio Lower Upper

88 100

58 24.9 76.2 114.2#

43 2130.4 27.2 40.8#

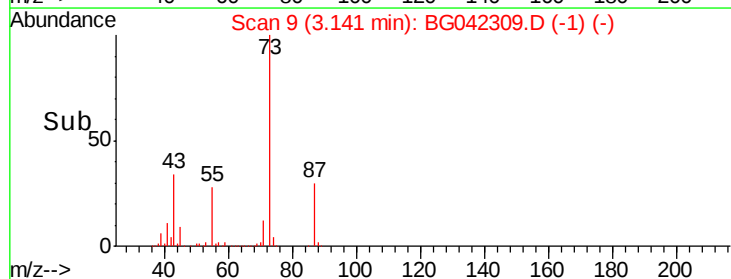
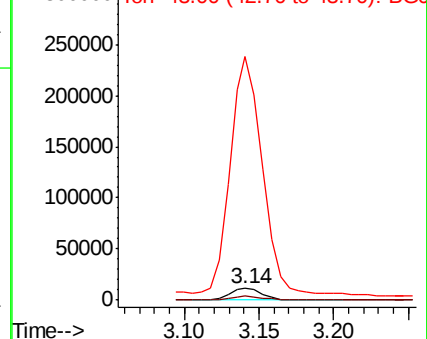


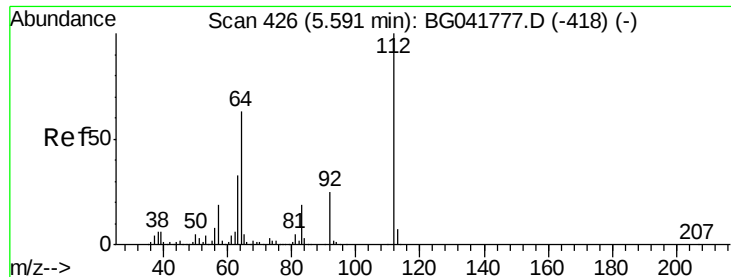
Abundance

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: 122.617 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

Instrument :

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ClientSampleId :

TP-22

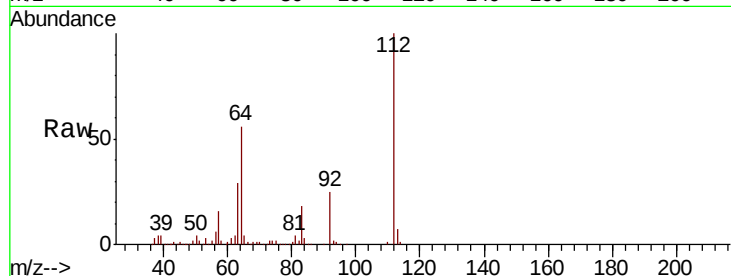
Tgt Ion: 112 Resp: 403012

Ion Ratio Lower Upper

112 100

64 55.5 55.4 83.2

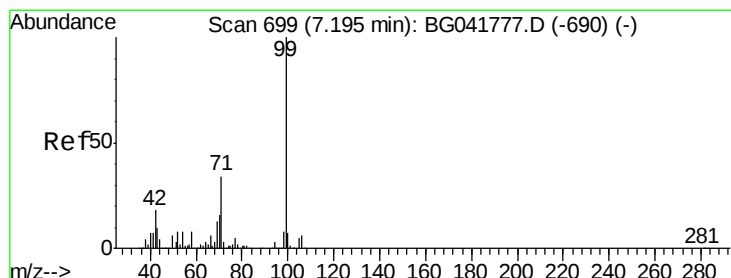
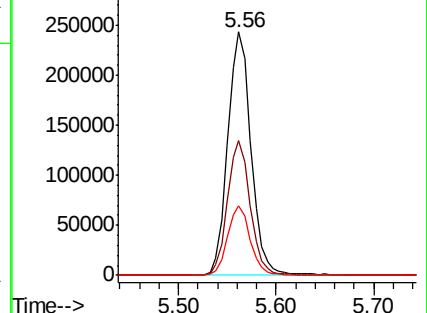
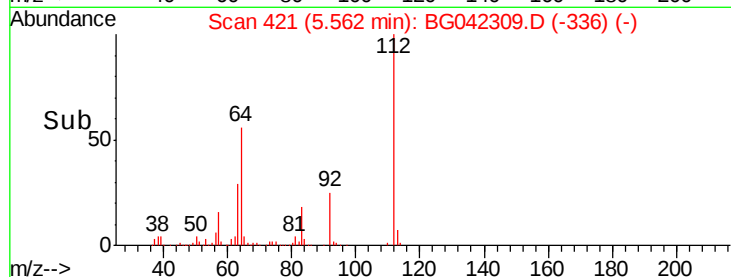
63 28.7 29.1 43.7#



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: 108.358 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

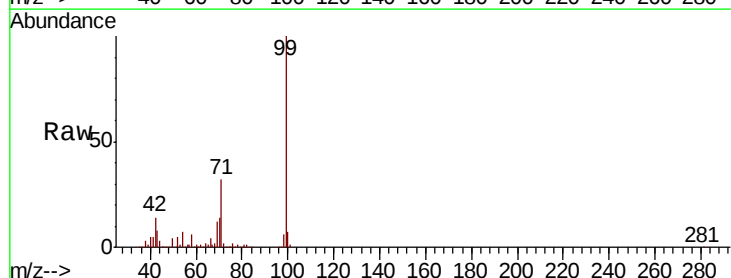
Tgt Ion: 99 Resp: 480143

Ion Ratio Lower Upper

99 100

42 14.2 17.6 26.4#

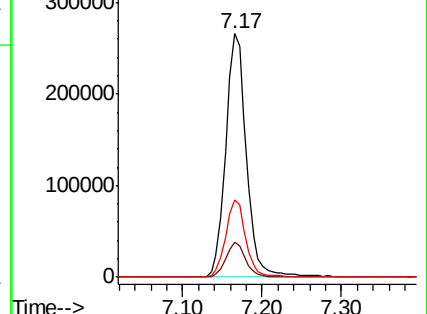
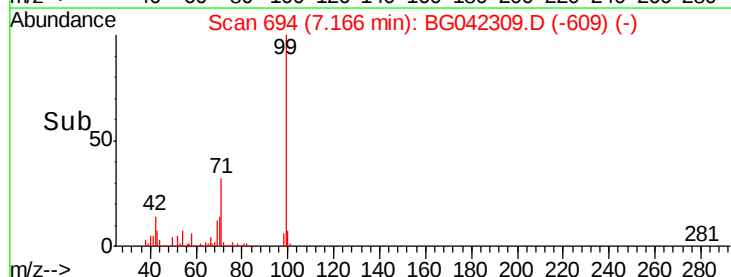
71 31.7 27.8 41.6

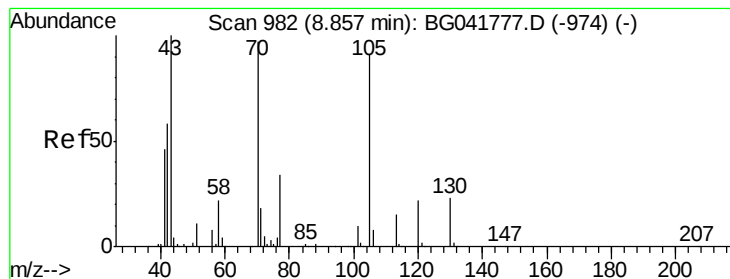


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 13.685 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

Instrument :

BNA_G

ClientSampleId :

TP-22

Tgt Ion: 70 Resp: 44025

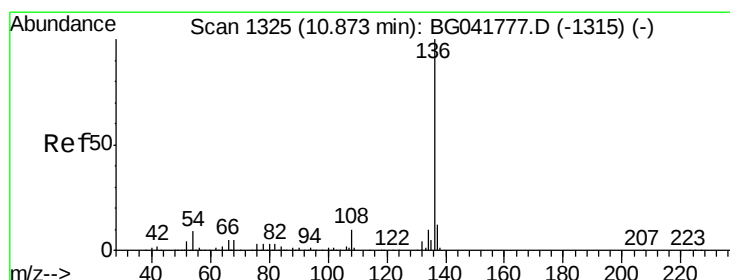
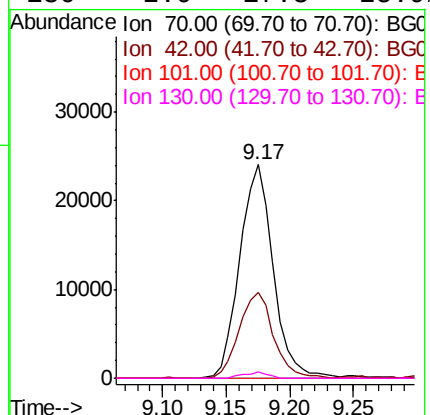
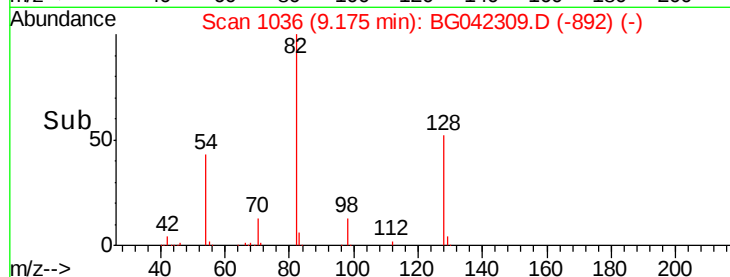
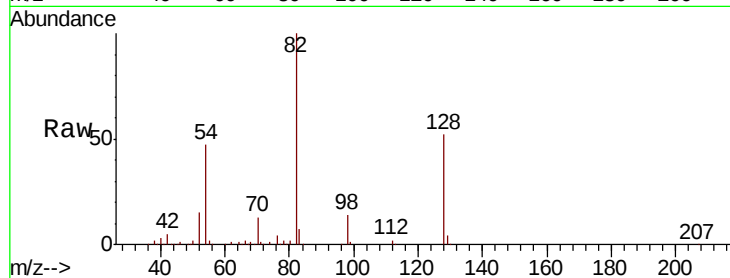
Ion Ratio Lower Upper

70 100

42 40.3 55.8 83.6#

101 0.0 8.1 12.1#

130 2.9 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.04 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

Tgt Ion: 136 Resp: 230373

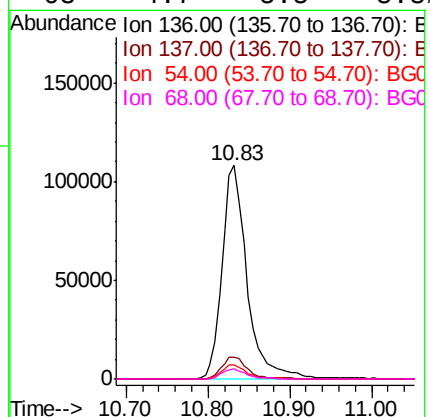
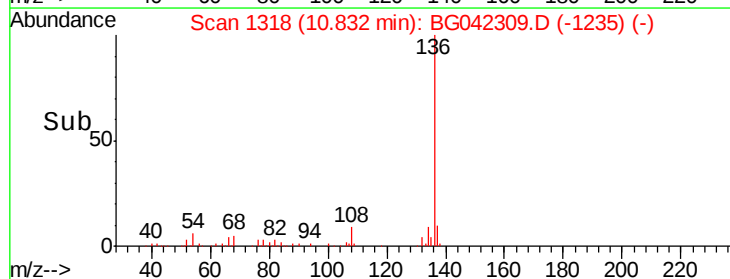
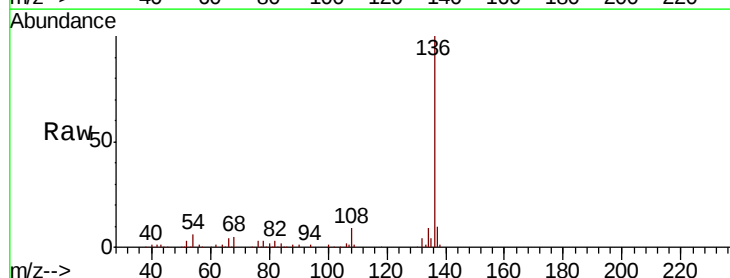
Ion Ratio Lower Upper

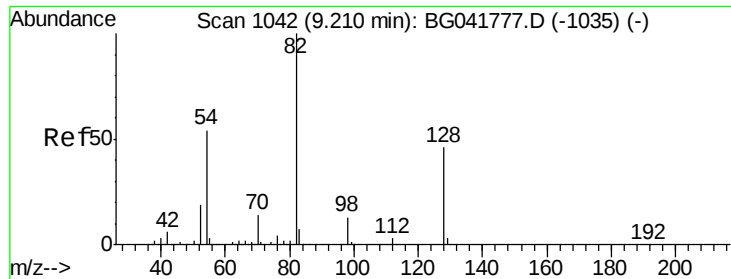
136 100

137 10.4 9.2 13.8

54 6.4 8.7 13.1#

68 4.7 5.5 8.3#

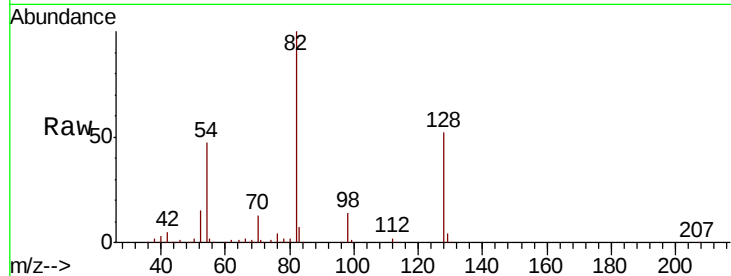




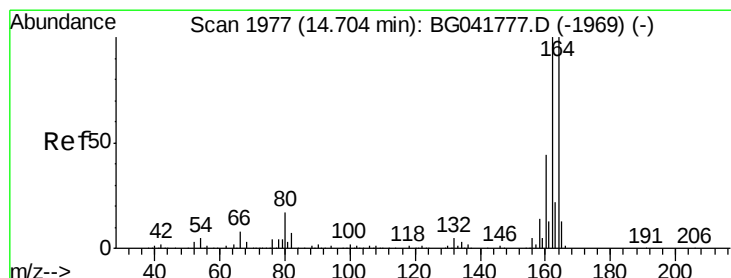
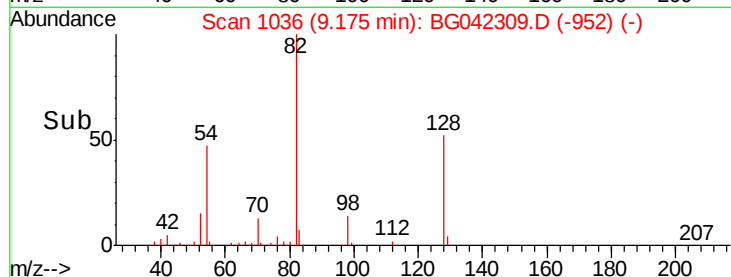
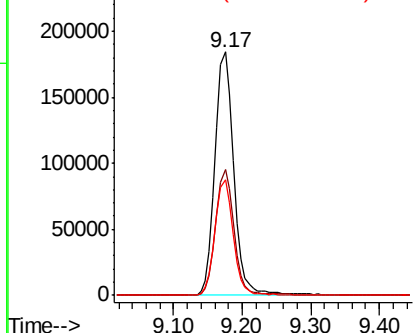
#23
 Nitrobenzene-d5
 Concen: 105.484 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. -0.03 min
 Lab File: BG042309.D
 Acq: 18 Aug 2019 5:34

Instrument :
 BNA_G
 ClientSampleId :
 TP-22

Tgt Ion: 82 Resp: 353124
 Ion Ratio Lower Upper
 82 100
 128 51.8 35.1 52.7
 54 47.3 48.7 73.1#

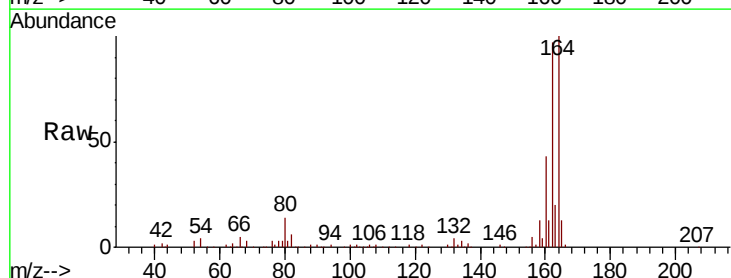


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

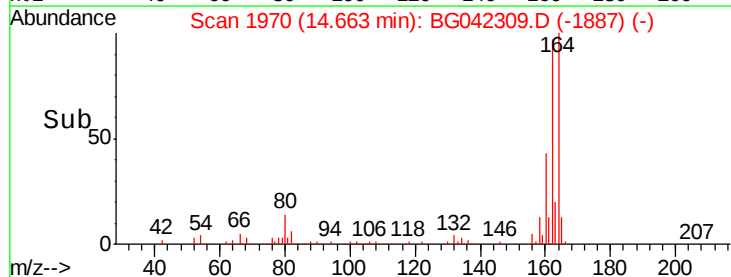
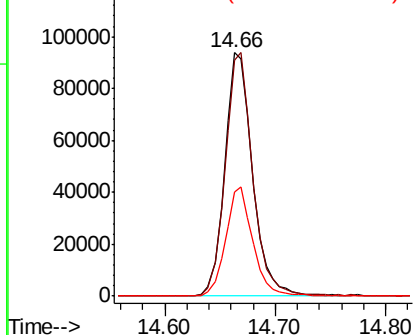


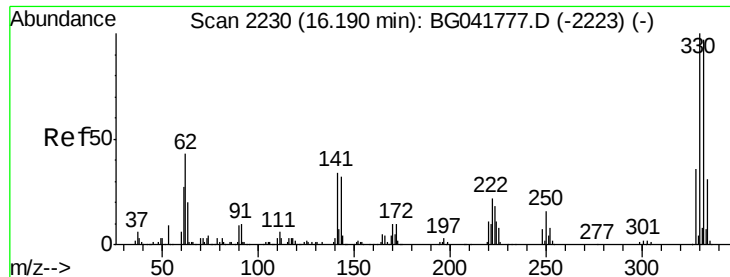
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.04 min
 Lab File: BG042309.D
 Acq: 18 Aug 2019 5:34

Tgt Ion: 164 Resp: 164934
 Ion Ratio Lower Upper
 164 100
 162 96.7 79.6 119.4
 160 43.0 35.4 53.0



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: 178.555 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.03 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

Instrument :

BNA_G

ClientSampleId :

TP-22

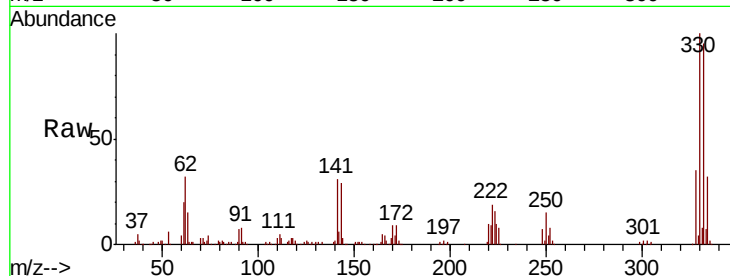
Tgt Ion:330 Resp: 334509

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

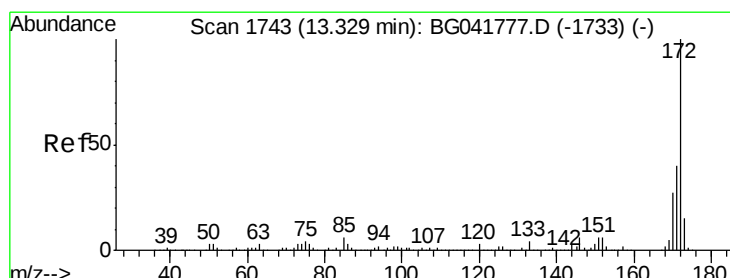
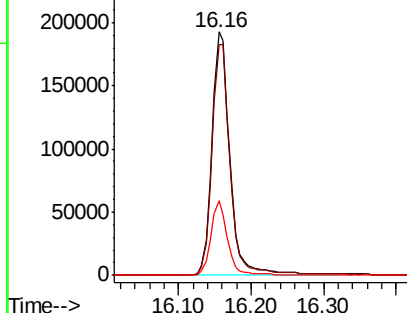
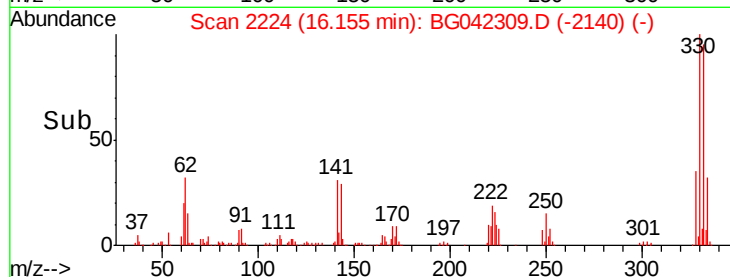
141 28.8 31.9 47.9#



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: 112.070 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.04 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

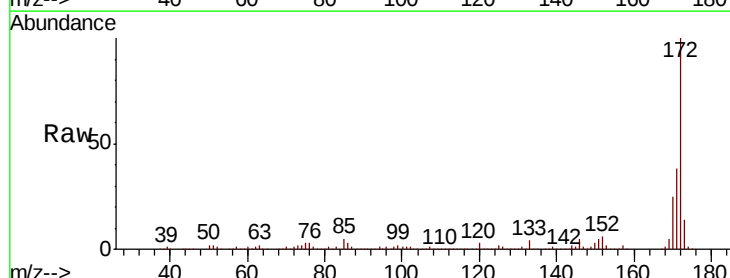
Tgt Ion:172 Resp: 1048017

Ion Ratio Lower Upper

172 100

171 38.1 35.0 52.4

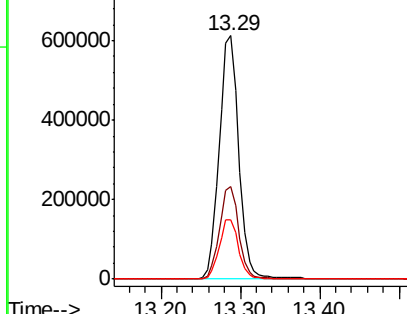
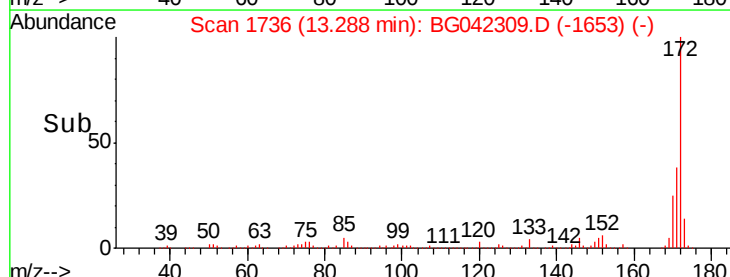
170 24.6 23.5 35.3

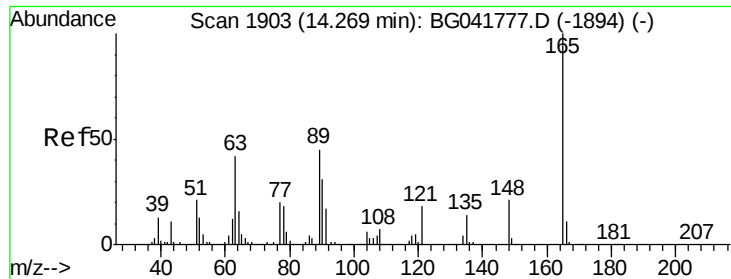


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

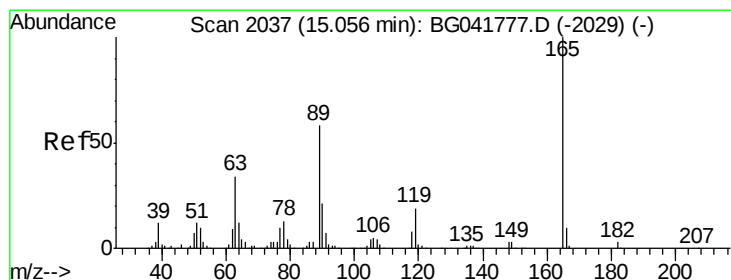
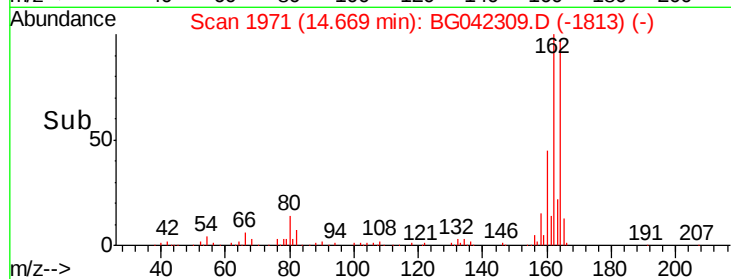
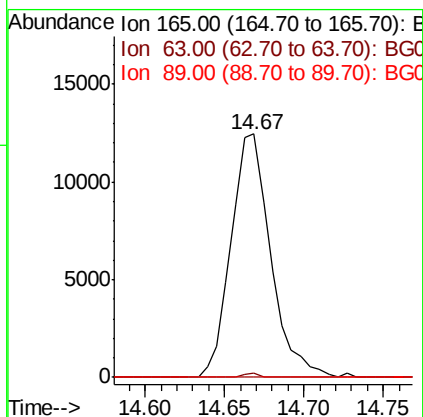
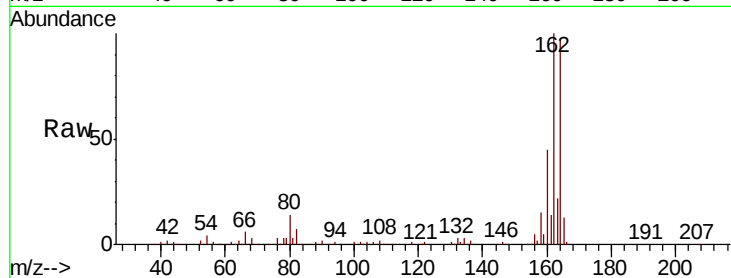




#51
 2,6-Dinitrotoluene
 Concen: 9.139 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG042309.D
 Acq: 18 Aug 2019 5:34

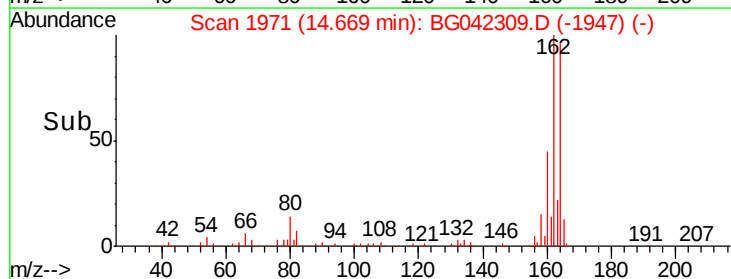
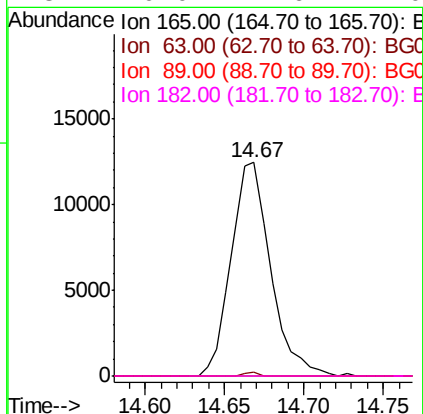
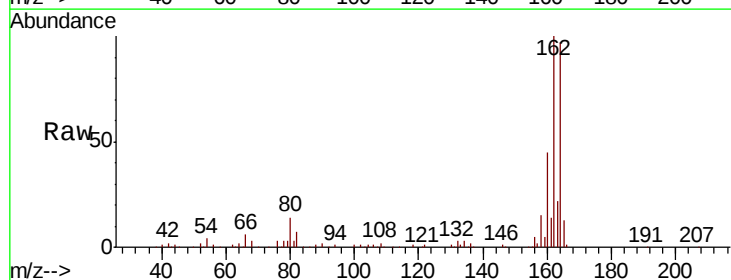
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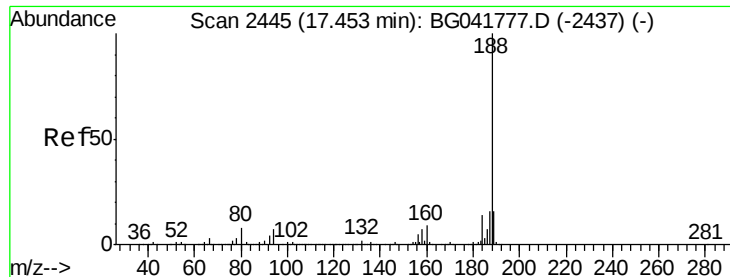
Tgt Ion:165 Resp: 21527
 Ion Ratio Lower Upper
 165 100
 63 1.5 42.4 63.6#
 89 0.0 42.1 63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.646 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.39 min
 Lab File: BG042309.D
 Acq: 18 Aug 2019 5:34

Tgt Ion:165 Resp: 21527
 Ion Ratio Lower Upper
 165 100
 63 1.5 31.7 47.5#
 89 0.0 50.2 75.4#
 182 0.0 2.6 4.0#

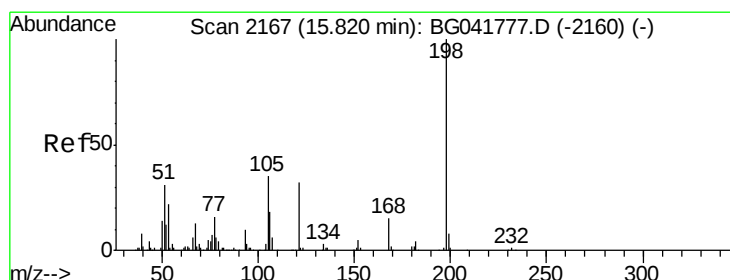
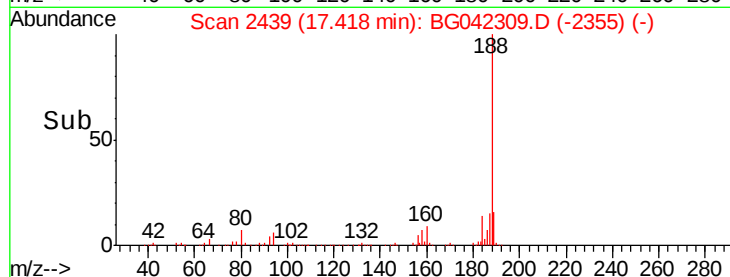
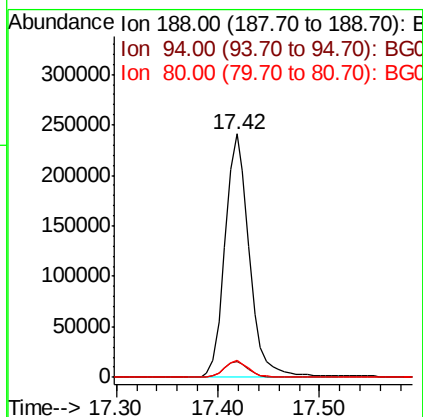
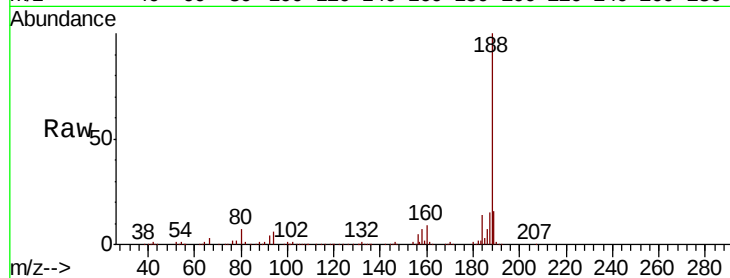




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.03 min
 Lab File: BG042309.D
 Acq: 18 Aug 2019 5:34

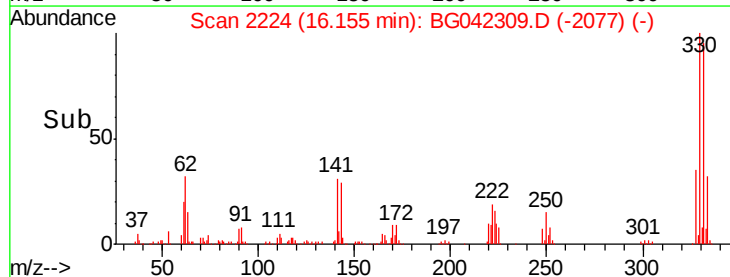
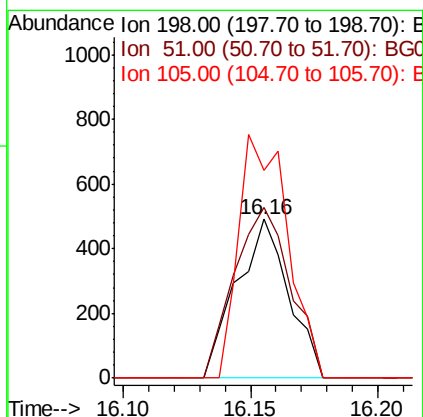
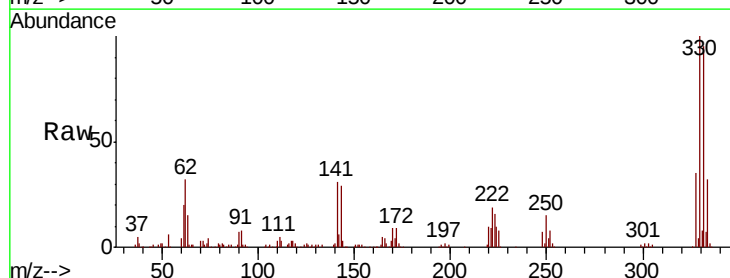
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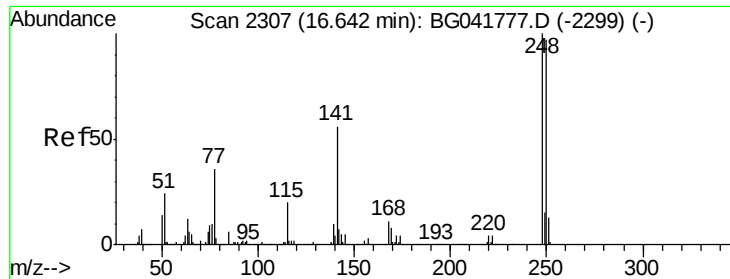
Tgt Ion:188 Resp: 400874
 Ion Ratio Lower Upper
 188 100
 94 6.3 6.9 10.3#
 80 6.8 8.0 12.0#



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.160 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.34 min
 Lab File: BG042309.D
 Acq: 18 Aug 2019 5:34

Tgt Ion:198 Resp: 704
 Ion Ratio Lower Upper
 198 100
 51 107.3 22.3 62.3#
 105 131.0 18.0 58.0#

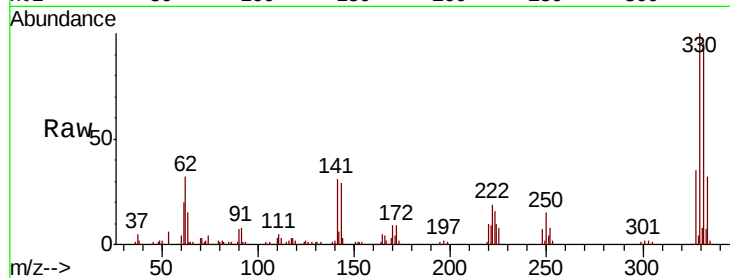




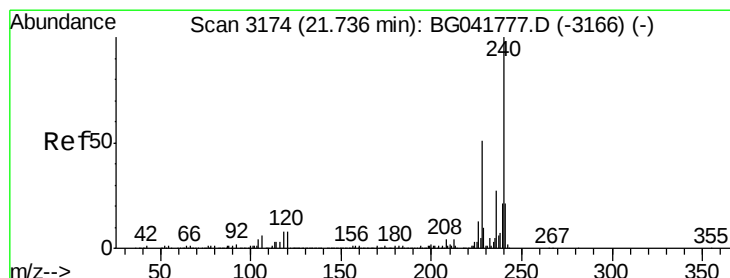
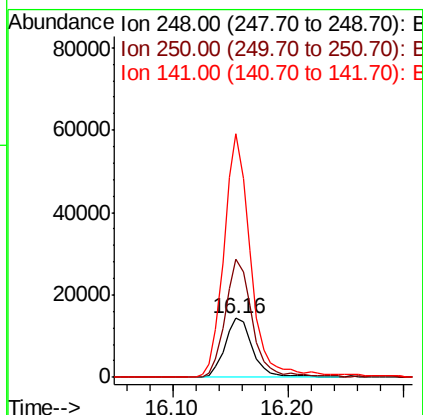
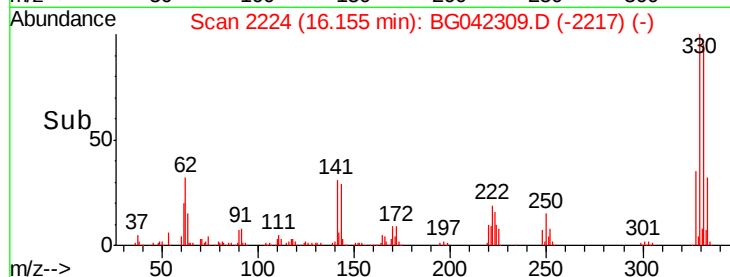
#67
 4-Bromophenyl-phenylether
 Concen: 4.831 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042309.D
 Acq: 18 Aug 2019 5:34

Instrument :
 BNA_G
 ClientSampleId :
 TP-22

Tgt Ion:248 Resp: 23853
 Ion Ratio Lower Upper
 248 100
 250 201.2 78.1 117.1#
 141 413.6 49.6 74.4#

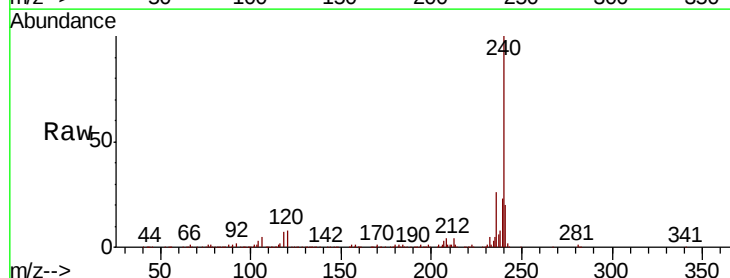


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

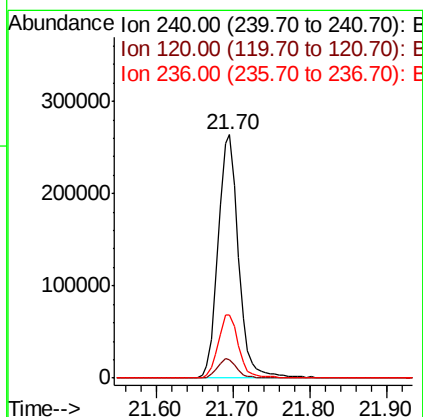
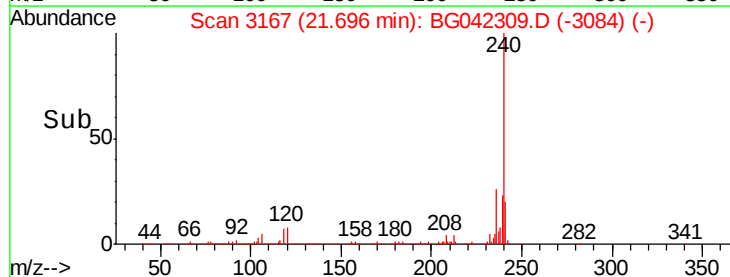


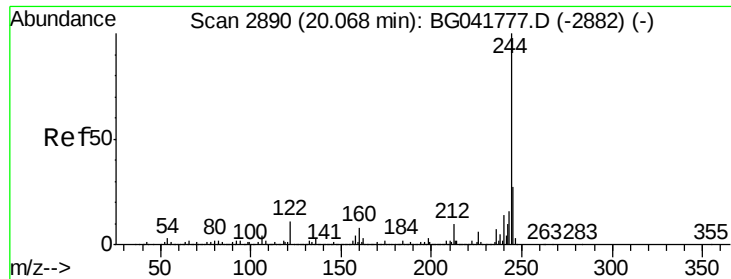
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042309.D
 Acq: 18 Aug 2019 5:34

Tgt Ion:240 Resp: 482789
 Ion Ratio Lower Upper
 240 100
 120 7.8 8.0 12.0#
 236 26.2 22.6 33.8



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





#79

Terphenyl-d14

Concen: 97.147 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

Instrument :

BNA_G

ClientSampleId :

TP-22

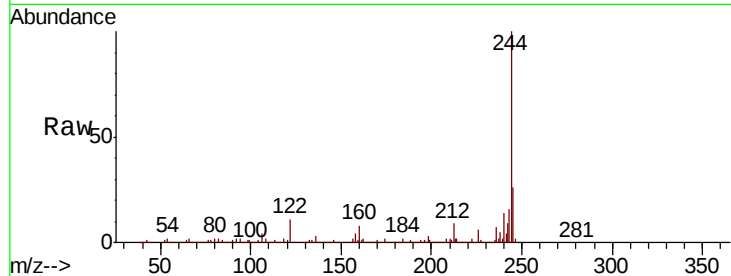
Tgt Ion:244 Resp: 2049668

Ion Ratio Lower Upper

244 100

212 9.2 9.7 14.5#

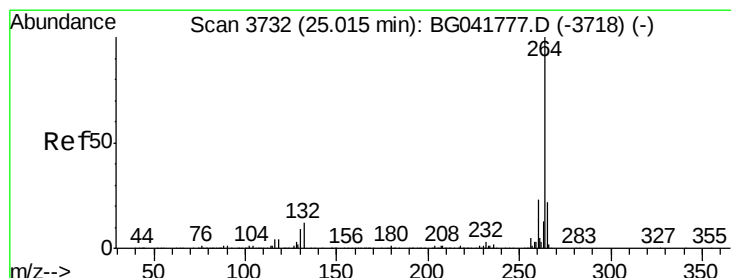
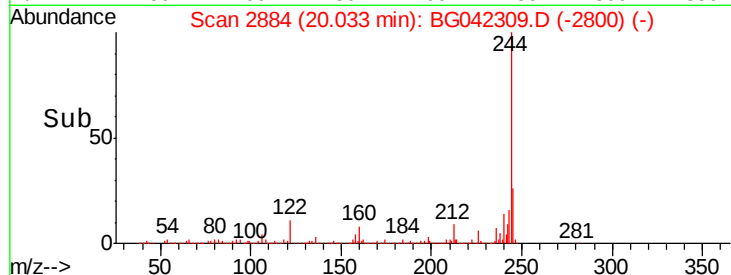
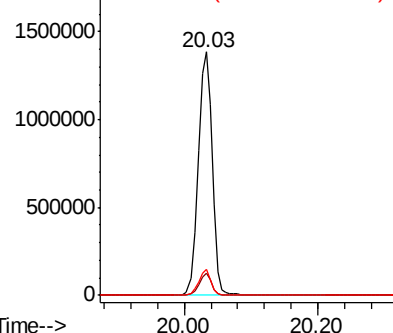
122 10.5 12.5 18.7#



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: 24.93 min Scan# 3718

Delta R.T. -0.08 min

Lab File: BG042309.D

Acq: 18 Aug 2019 5:34

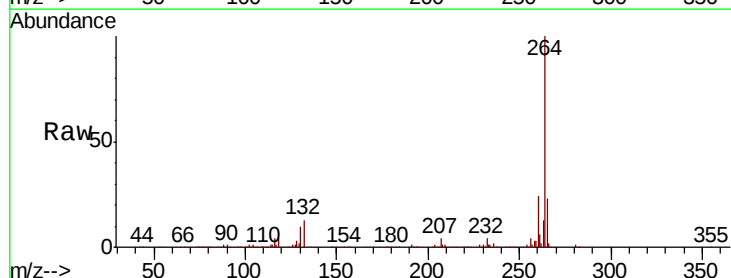
Tgt Ion:264 Resp: 546315

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 22.5 18.0 27.0



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

