

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042307.D
 Acq On : 18 Aug 2019 4:17
 Operator : HP/JU
 Sample : K4266-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2(A1-A4)-(4.3)

Quant Time: Aug 19 05:59:23 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

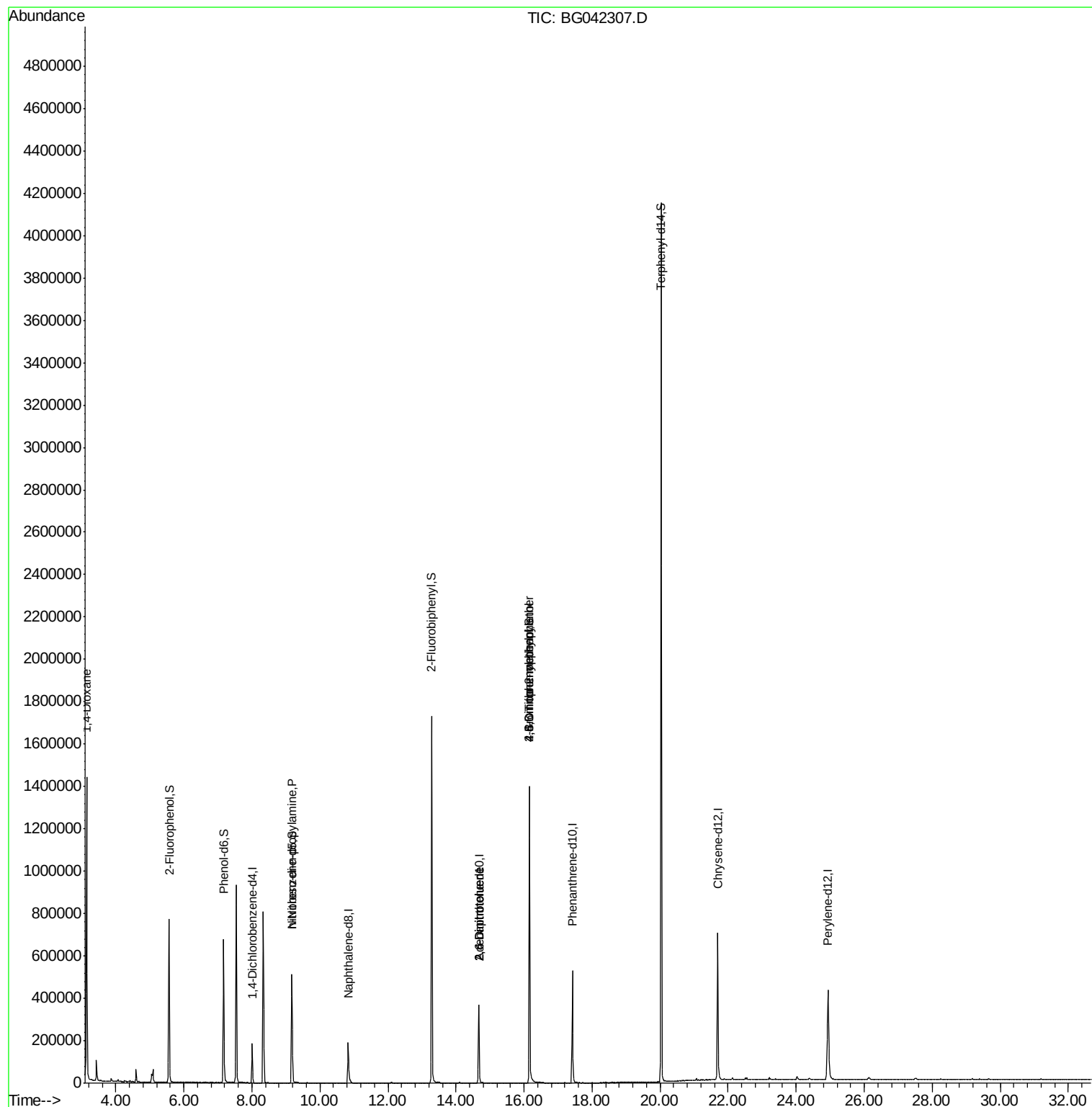
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	61248	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	224130	20.00	ng	-0.04
39) Acenaphthene-d10	14.66	164	163165	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	398361	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	463866	20.00	ng	-0.04
87) Perylene-d12	24.94	264	527666	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	402447	127.84	ng	-0.03
7) Phenol-d6	7.17	99	473687	111.61	ng	-0.03
23) Nitrobenzene-d5	9.17	82	354394	108.81	ng	-0.04
42) 2,4,6-Tribromophenol	16.16	330	351008	189.39	ng	-0.03
45) 2-Fluorobiphenyl	13.28	172	1074249	116.12	ng	-0.04
79) Terphenyl-d14	20.03	244	2117819	104.47	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	3.14	88	15360	10.367	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	45154	14.655	ng	# 63
51) 2,6-Dinitrotoluene	14.66	165	21528	9.239	ng	# 28
57) 2,4-Dinitrotoluene	14.66	165	21526	6.718	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.15	198	765	7.189	ng	# 27
67) 4-Bromophenyl-phenylether	16.16	248	24354	4.963	ng	# 1

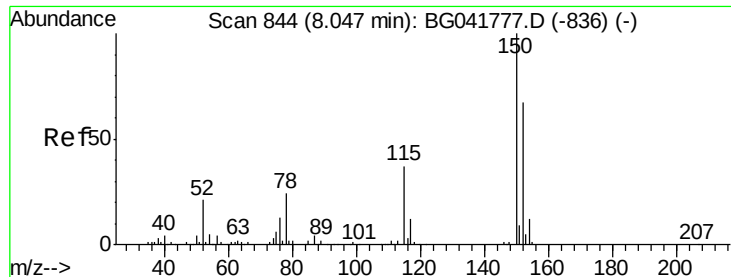
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG042307.D

Acq: 18 Aug 2019 4:17

Instrument :

BNA_G

ClientSampleId :

R1-R2(A1-A4)-(4.3)

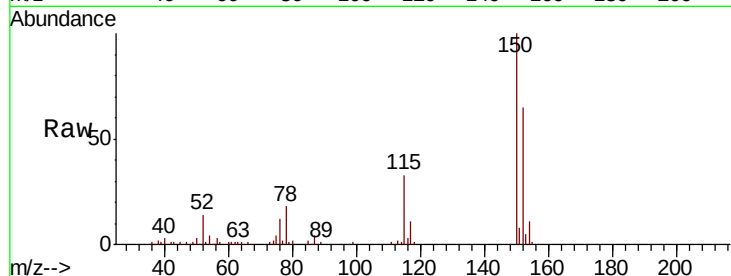
Tgt Ion:152 Resp: 61248

Ion Ratio Lower Upper

152 100

150 153.8 126.9 190.3

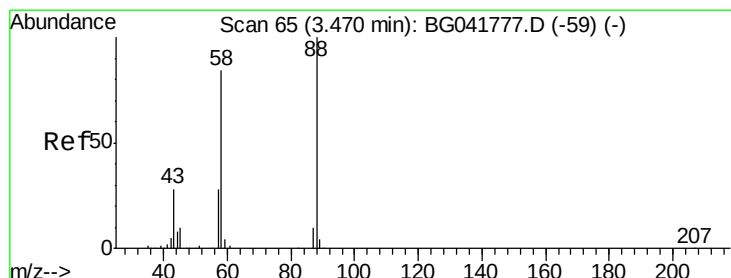
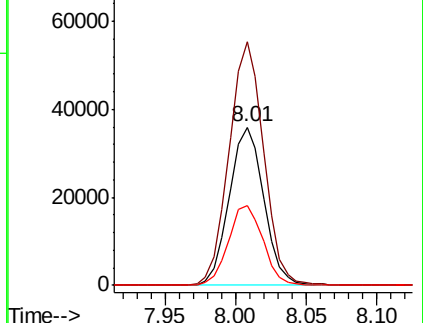
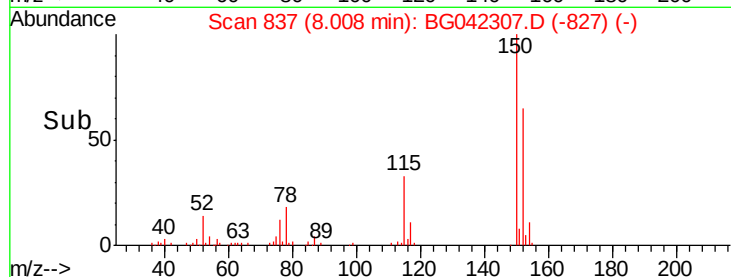
115 50.1 45.0 67.6



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: 10.367 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042307.D

Acq: 18 Aug 2019 4:17

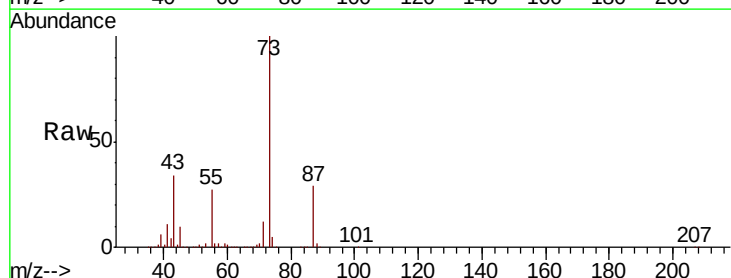
Tgt Ion: 88 Resp: 15360

Ion Ratio Lower Upper

88 100

58 26.1 76.2 114.2#

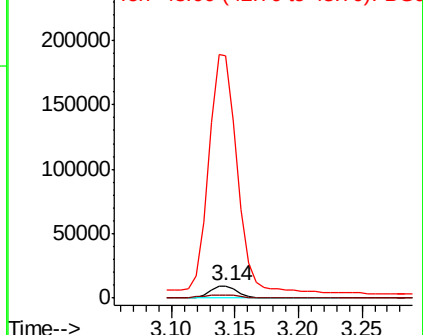
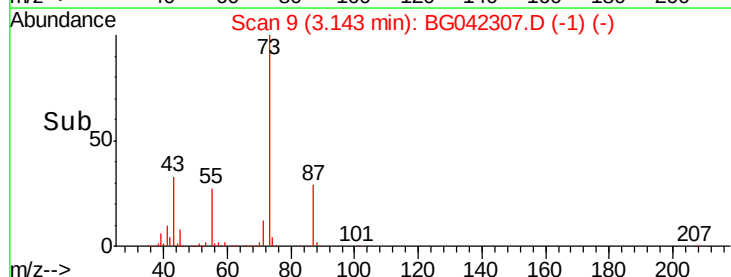
43 1903.8 27.2 40.8#

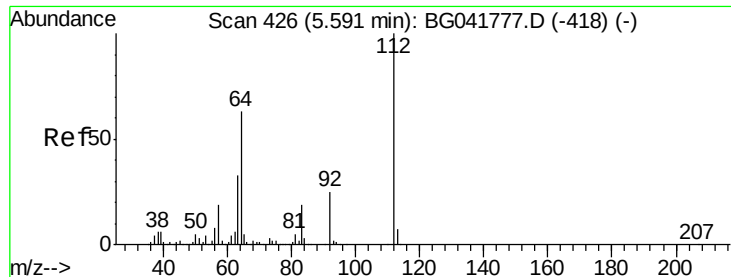


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 127.842 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042307.D

Acq: 18 Aug 2019 4:17

Instrument :

BNA_G

ClientSampleId :

R1-R2(A1-A4)-(4.3)

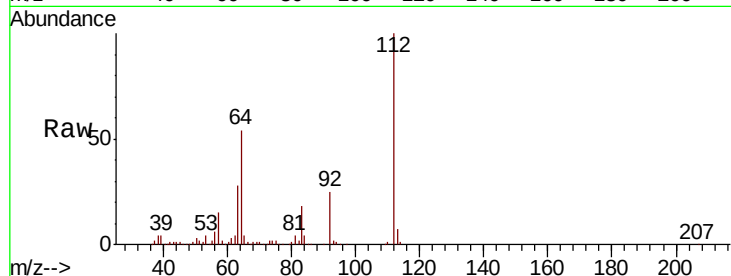
Tgt Ion: 112 Resp: 402447

Ion Ratio Lower Upper

112 100

64 54.4 55.4 83.2#

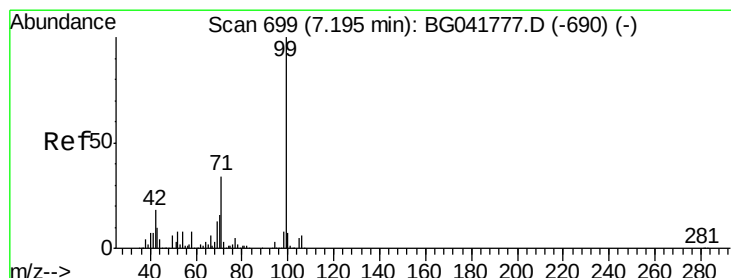
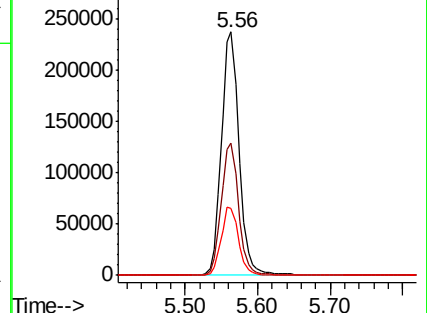
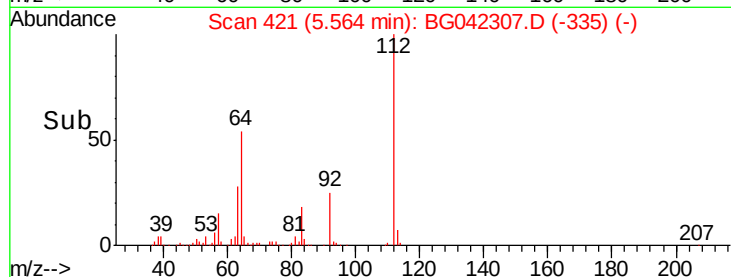
63 27.7 29.1 43.7#



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: 111.613 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042307.D

Acq: 18 Aug 2019 4:17

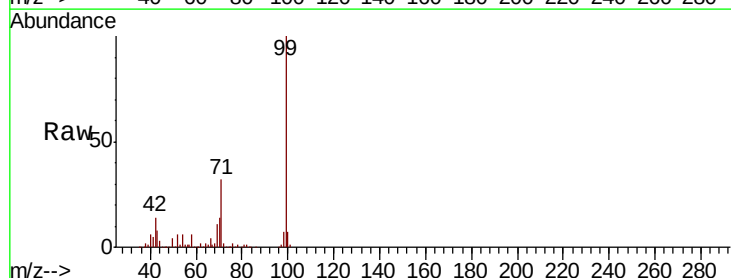
Tgt Ion: 99 Resp: 473687

Ion Ratio Lower Upper

99 100

42 14.2 17.6 26.4#

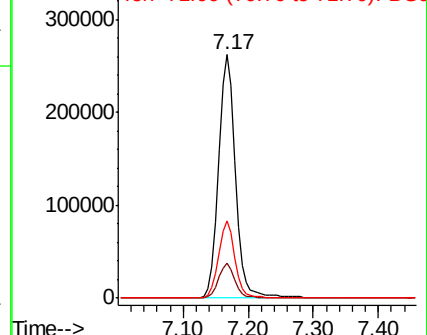
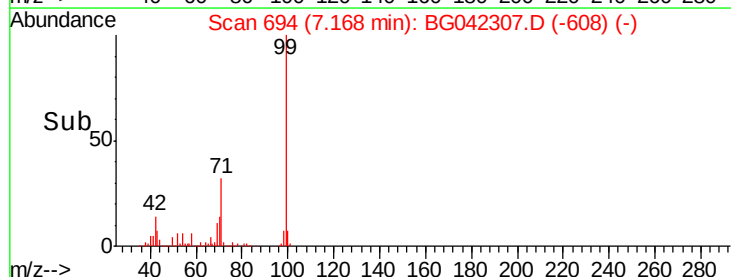
71 32.0 27.8 41.6

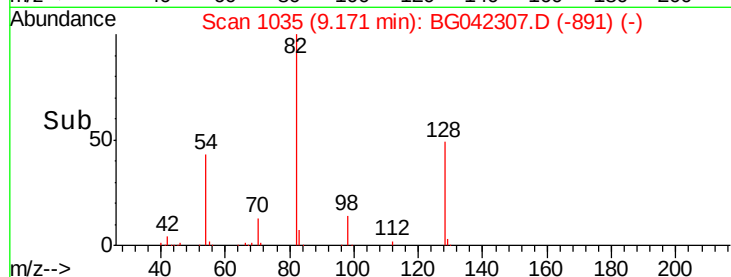
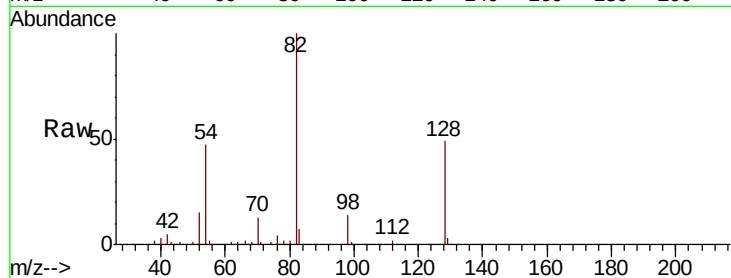
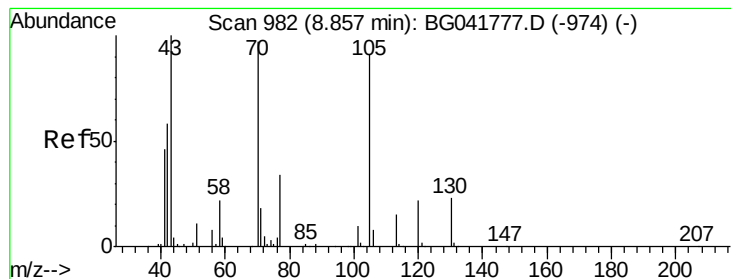


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.655 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.31 min

Lab File: BG042307.D

Acq: 18 Aug 2019 4:17

Instrument :

BNA_G

ClientSampleId :

R1-R2(A1-A4)-(4.3)

Tgt Ion: 70 Resp: 45154

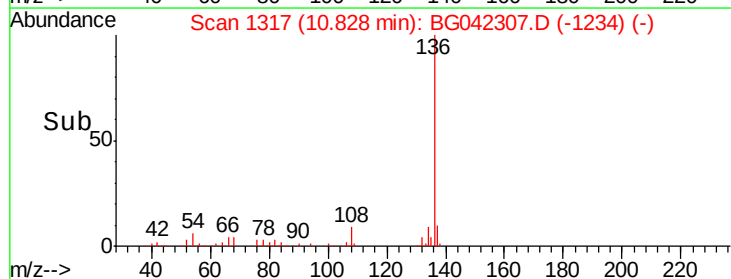
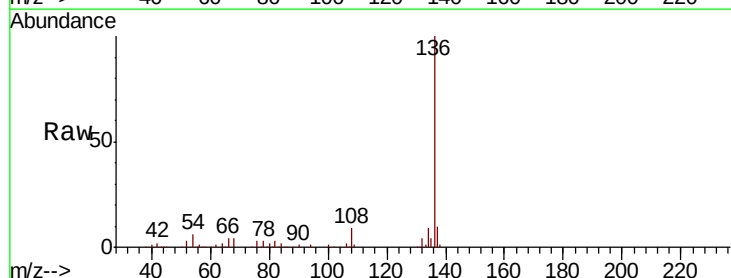
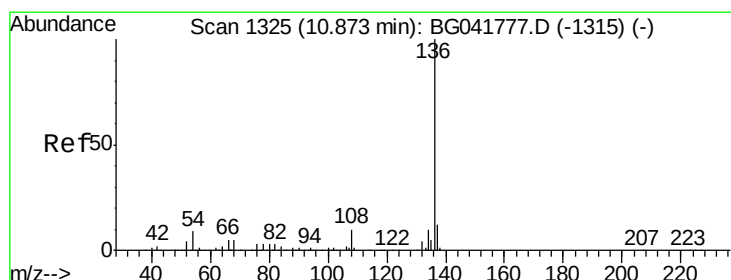
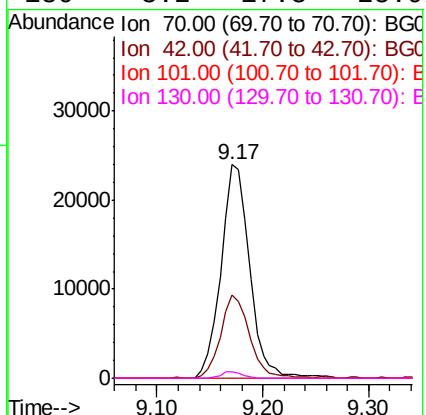
Ion Ratio Lower Upper

70 100

42 38.8 55.8 83.6#

101 0.0 8.1 12.1#

130 3.2 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.04 min

Lab File: BG042307.D

Acq: 18 Aug 2019 4:17

Tgt Ion: 136 Resp: 224130

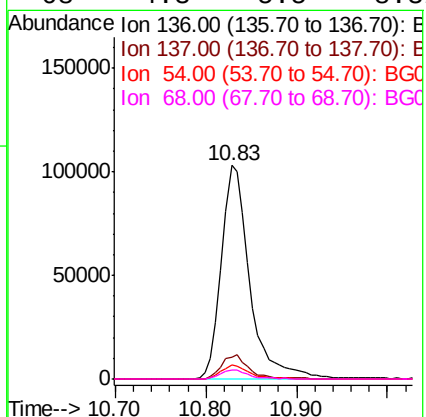
Ion Ratio Lower Upper

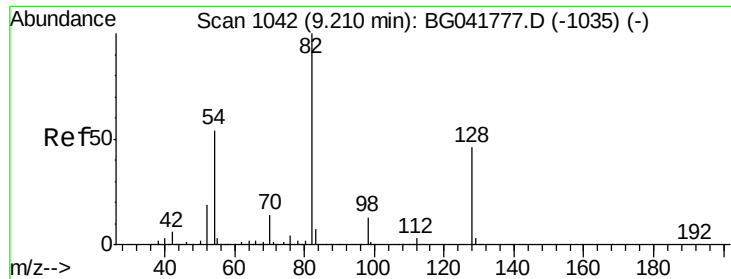
136 100

137 10.3 9.2 13.8

54 6.4 8.7 13.1#

68 4.3 5.5 8.3#





#23

Nitrobenzene-d5

Concen: 108.812 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.04 min

Lab File: BG042307.D

Acq: 18 Aug 2019 4:17

Instrument :

BNA_G

ClientSampleId :

R1-R2(A1-A4)-(4.3)

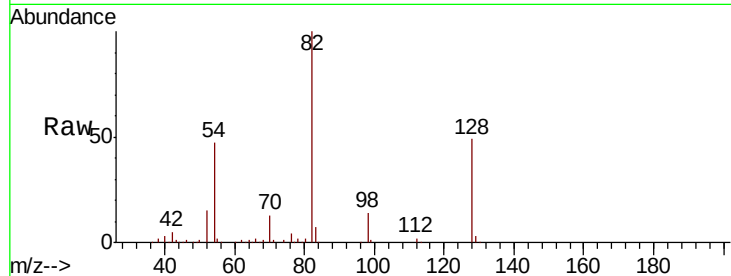
Tgt Ion: 82 Resp: 354394

Ion Ratio Lower Upper

82 100

128 49.1 35.1 52.7

54 46.5 48.7 73.1#

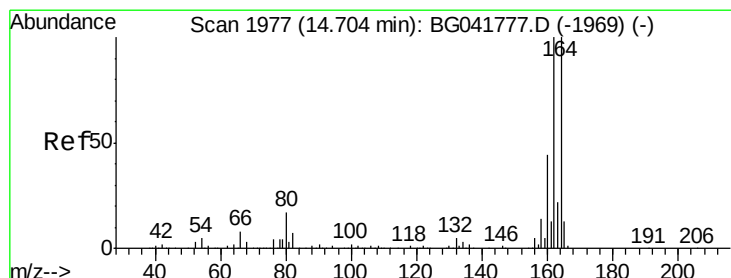
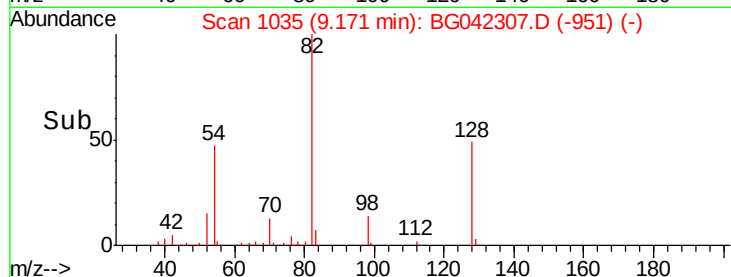
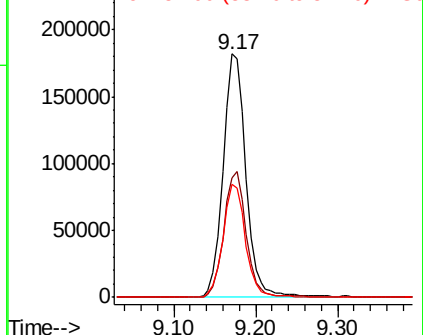


Abundance

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: BG042307.D

Acq: 18 Aug 2019 4:17

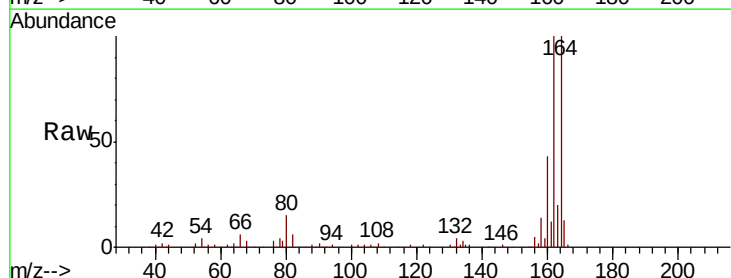
Tgt Ion: 164 Resp: 163165

Ion Ratio Lower Upper

164 100

162 100.2 79.6 119.4

160 42.9 35.4 53.0

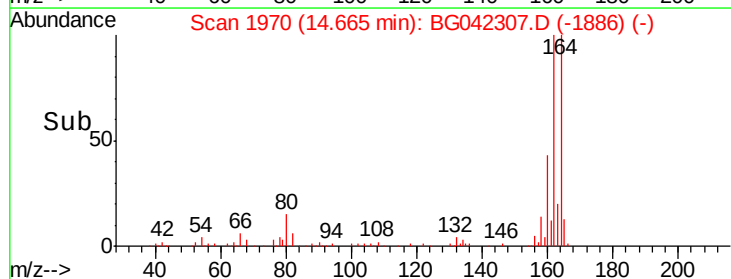
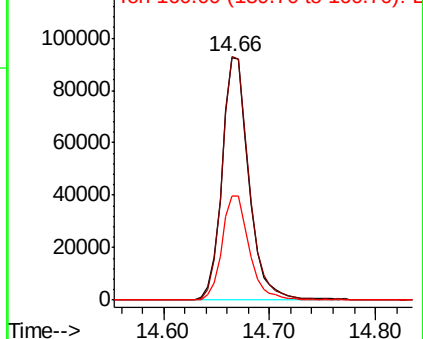


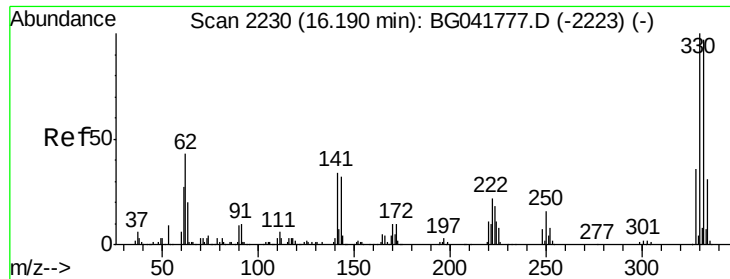
Abundance

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

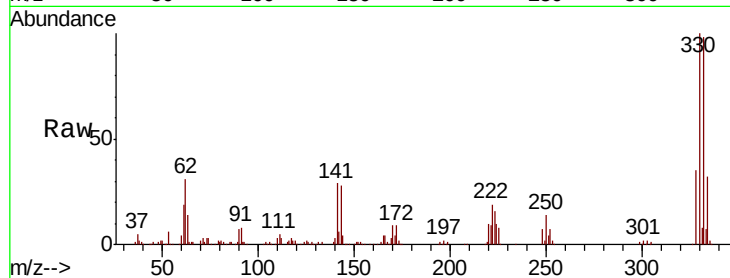




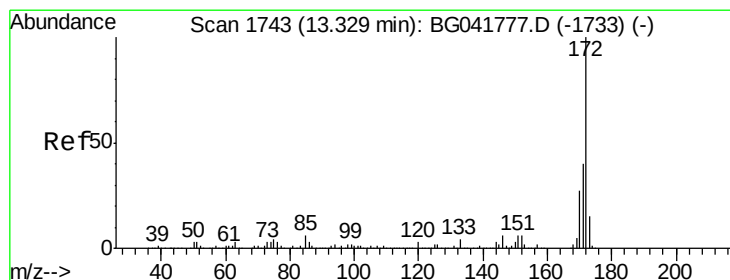
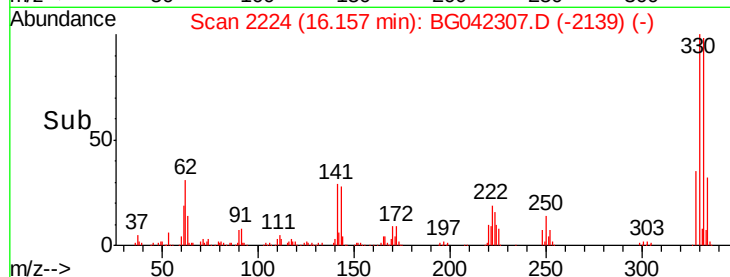
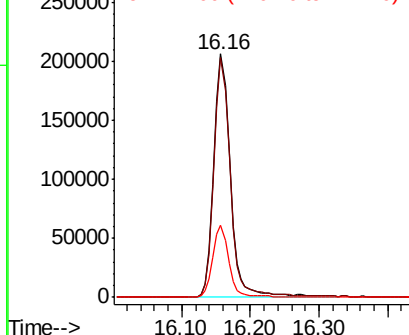
#42
 2,4,6-Tribromophenol
 Concen: 189.393 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.03 min
 Lab File: BG042307.D
 Acq: 18 Aug 2019 4:17

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2(A1-A4)-(4.3)

Tgt Ion:330 Resp: 351008
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.0
 141 28.6 31.9 47.9#

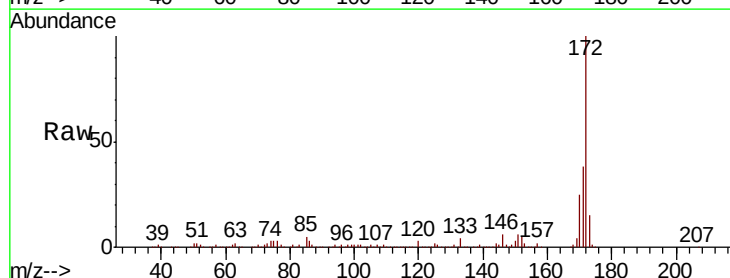


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

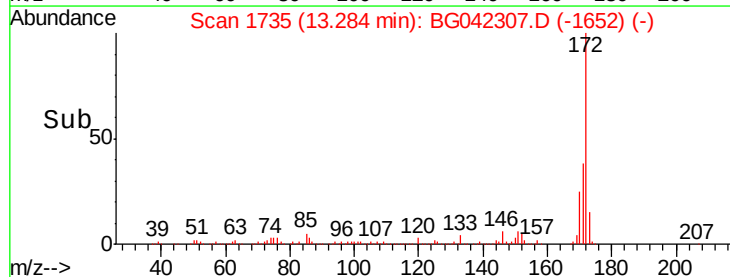
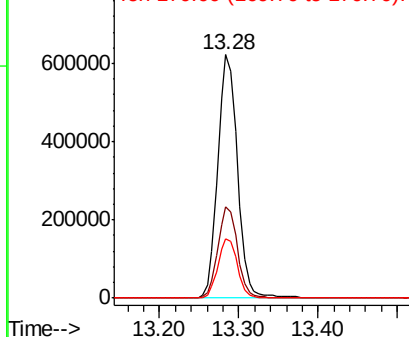


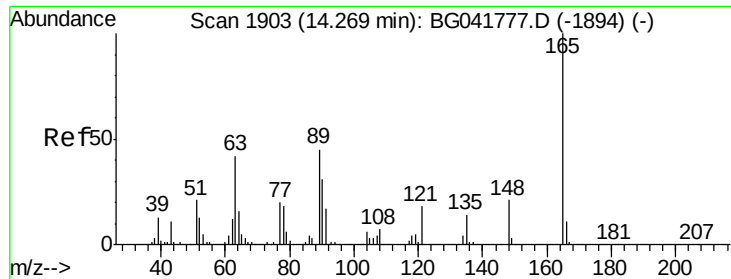
#45
 2-Fluorobiphenyl
 Concen: 116.120 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.04 min
 Lab File: BG042307.D
 Acq: 18 Aug 2019 4:17

Tgt Ion:172 Resp: 1074249
 Ion Ratio Lower Upper
 172 100
 171 37.7 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

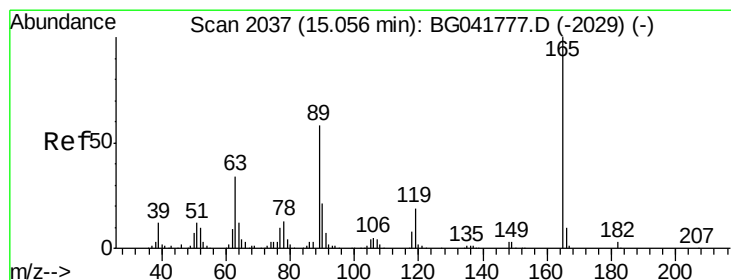
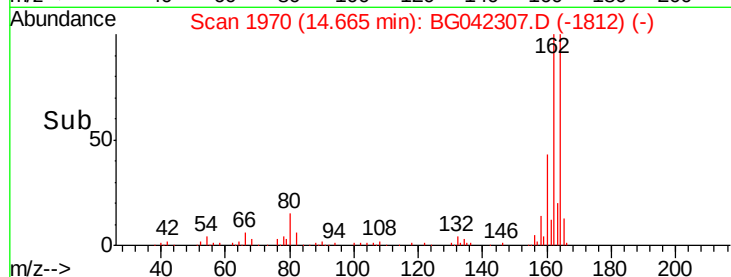
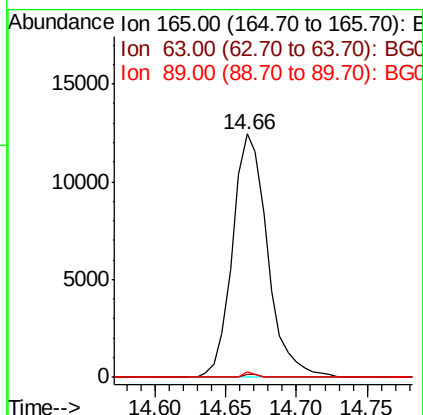
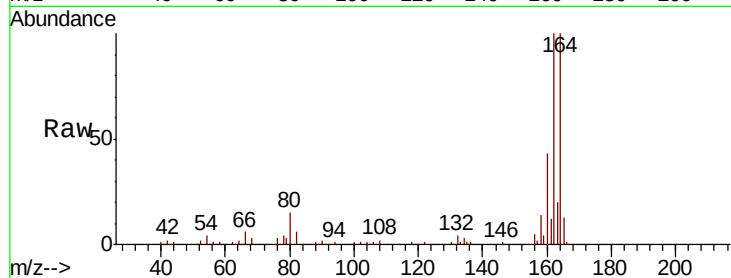




#51
 2,6-Dinitrotoluene
 Concen: 9.239 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042307.D
 Acq: 18 Aug 2019 4:17

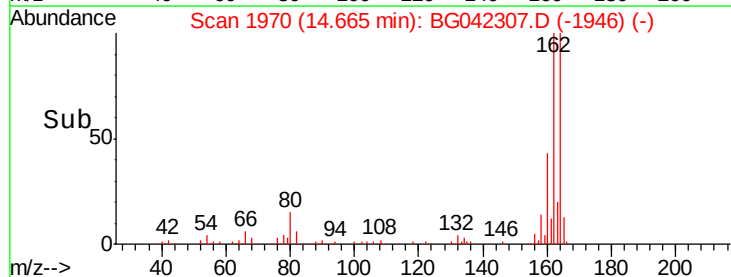
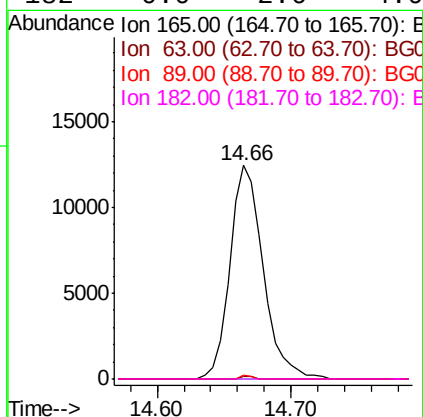
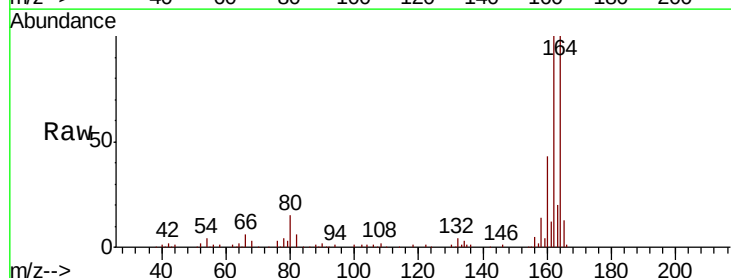
Instrument :
 BNA_G
 ClientSampleId :
 R1-R2(A1-A4)-(4.3)

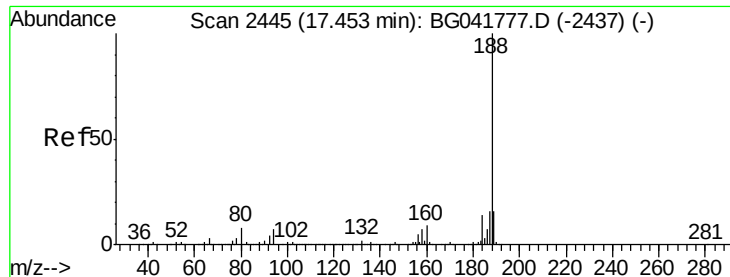
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.4	63.6#
89	2.0	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.718 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042307.D
 Acq: 18 Aug 2019 4:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.7	47.5#
89	2.0	50.2	75.4#
182	0.0	2.6	4.0#

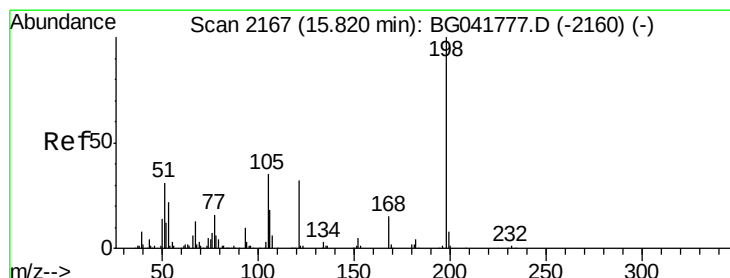
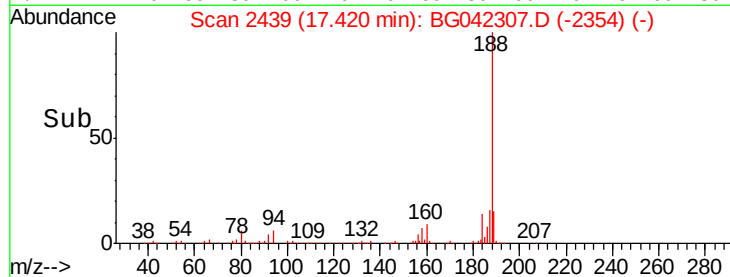
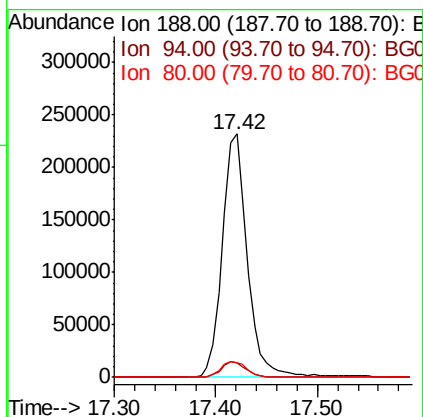
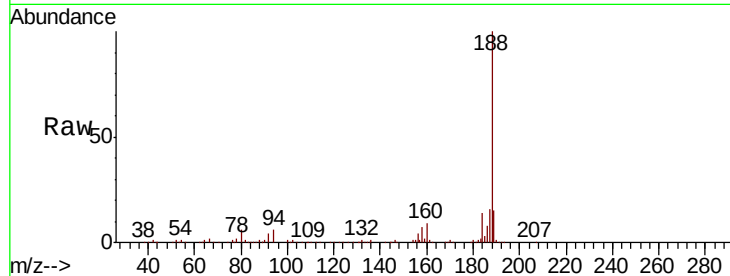




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.03 min
 Lab File: BG042307.D
 Acq: 18 Aug 2019 4:17

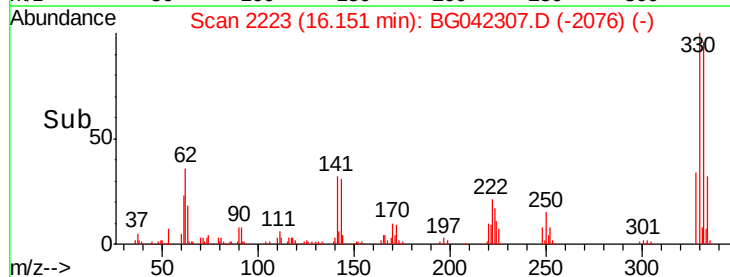
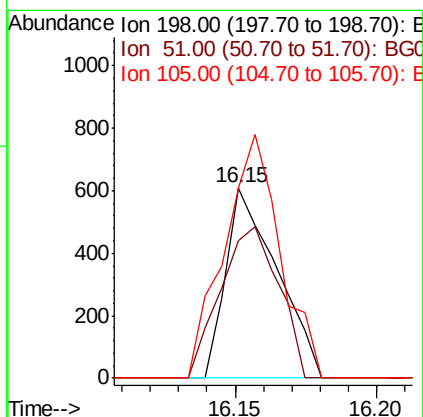
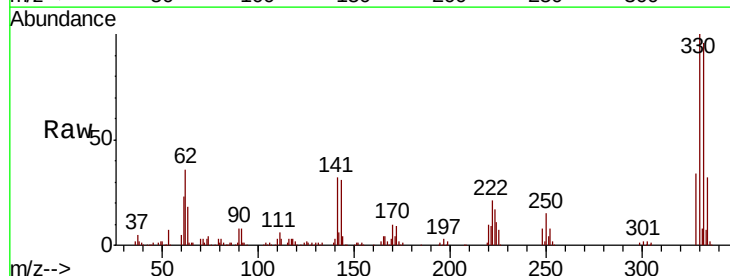
Instrument :
 BNA_G
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 R1-R2(A1-A4)-(4.3)

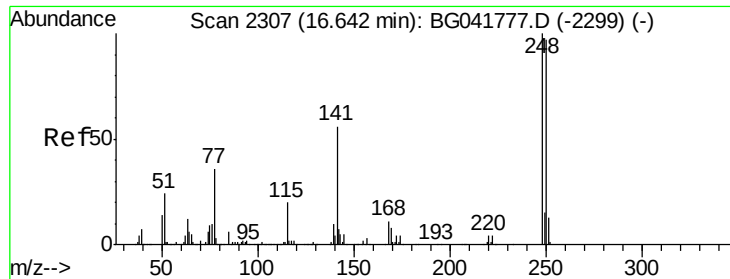
Tgt Ion:188 Resp: 398361
 Ion Ratio Lower Upper
 188 100
 94 6.1 6.9 10.3#
 80 6.2 8.0 12.0#



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.189 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.33 min
 Lab File: BG042307.D
 Acq: 18 Aug 2019 4:17

Tgt Ion:198 Resp: 765
 Ion Ratio Lower Upper
 198 100
 51 72.1 22.3 62.3#
 105 100.0 18.0 58.0#

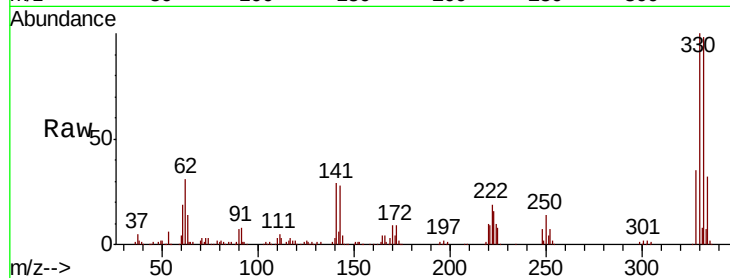




#67
 4-Bromophenyl-phenylether
 Concen: 4.963 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042307.D
 Acq: 18 Aug 2019 4:17

Instrument :
 BNA_G
 ClientSampleId :
 R1-R2(A1-A4)-(4.3)

Tgt Ion	Ratio	Lower	Upper
248	100		
250	193.8	78.1	117.1#
141	398.4	49.6	74.4#

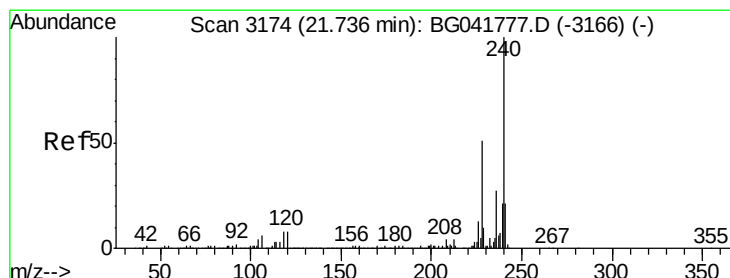
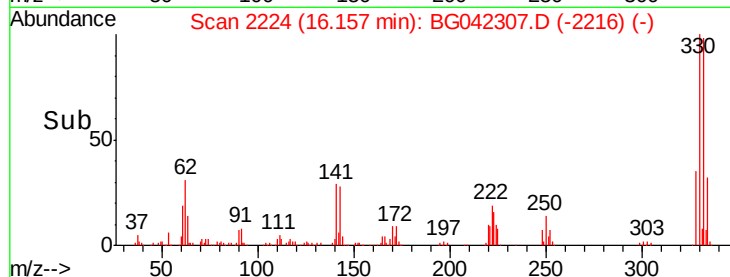
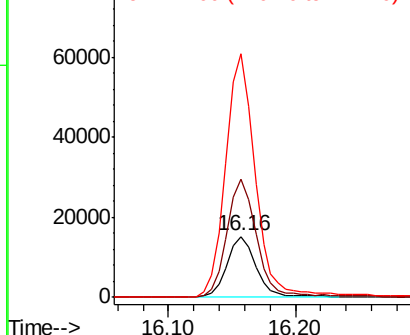


Abundance

Ion 248.00 (247.70 to 248.70): E

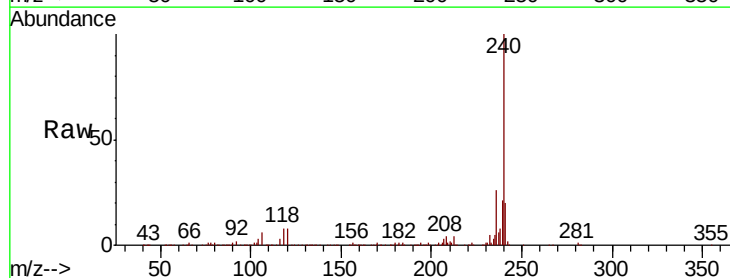
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.04 min
 Lab File: BG042307.D
 Acq: 18 Aug 2019 4:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	8.0	12.0#
236	26.1	22.6	33.8

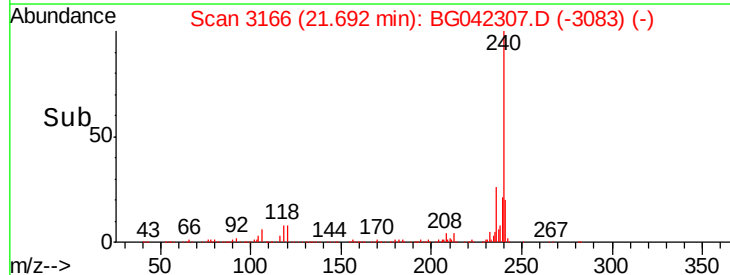
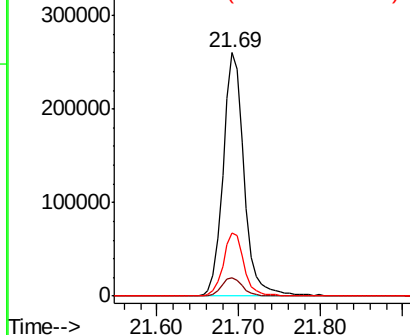


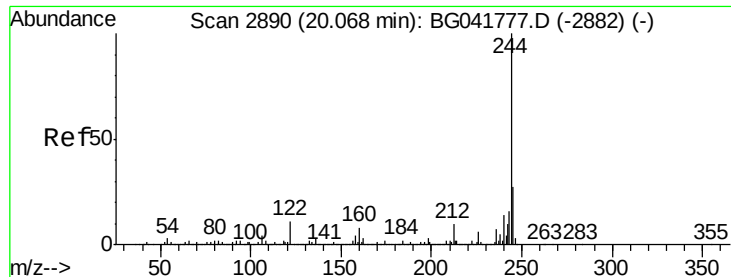
Abundance

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: 104.472 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.04 min

Lab File: BG042307.D

Acq: 18 Aug 2019 4:17

Instrument :

BNA_G

ClientSampleId :

R1-R2(A1-A4)-(4.3)

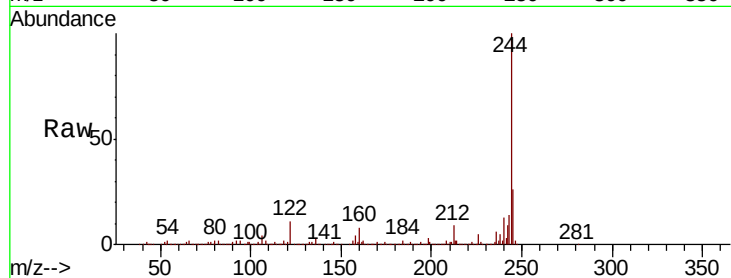
Tgt Ion:244 Resp: 2117819

Ion Ratio Lower Upper

244 100

212 8.8 9.7 14.5#

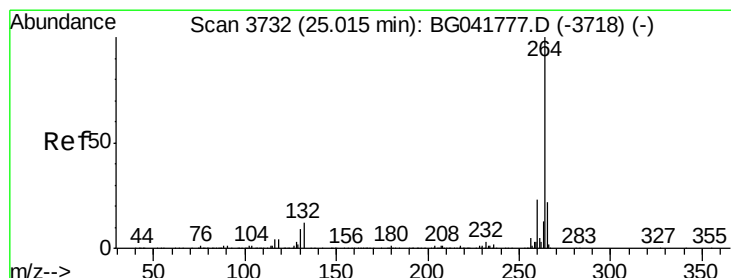
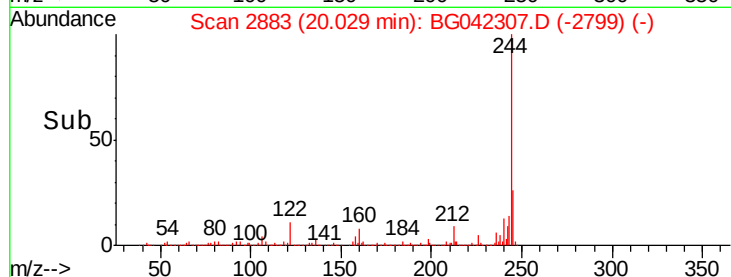
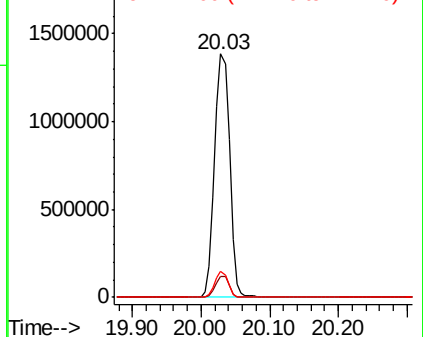
122 10.7 12.5 18.7#



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: 24.94 min Scan# 3719

Delta R.T. -0.07 min

Lab File: BG042307.D

Acq: 18 Aug 2019 4:17

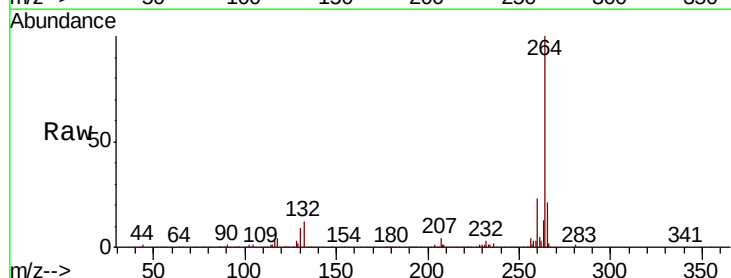
Tgt Ion:264 Resp: 527666

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.0 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

