

Data File : BG042267.D
Acq On : 16 Aug 2019 19:52
Operator : HP/JU
Sample : K4391-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BOTTOM-2

Quant Time: Aug 17 00:00:52 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

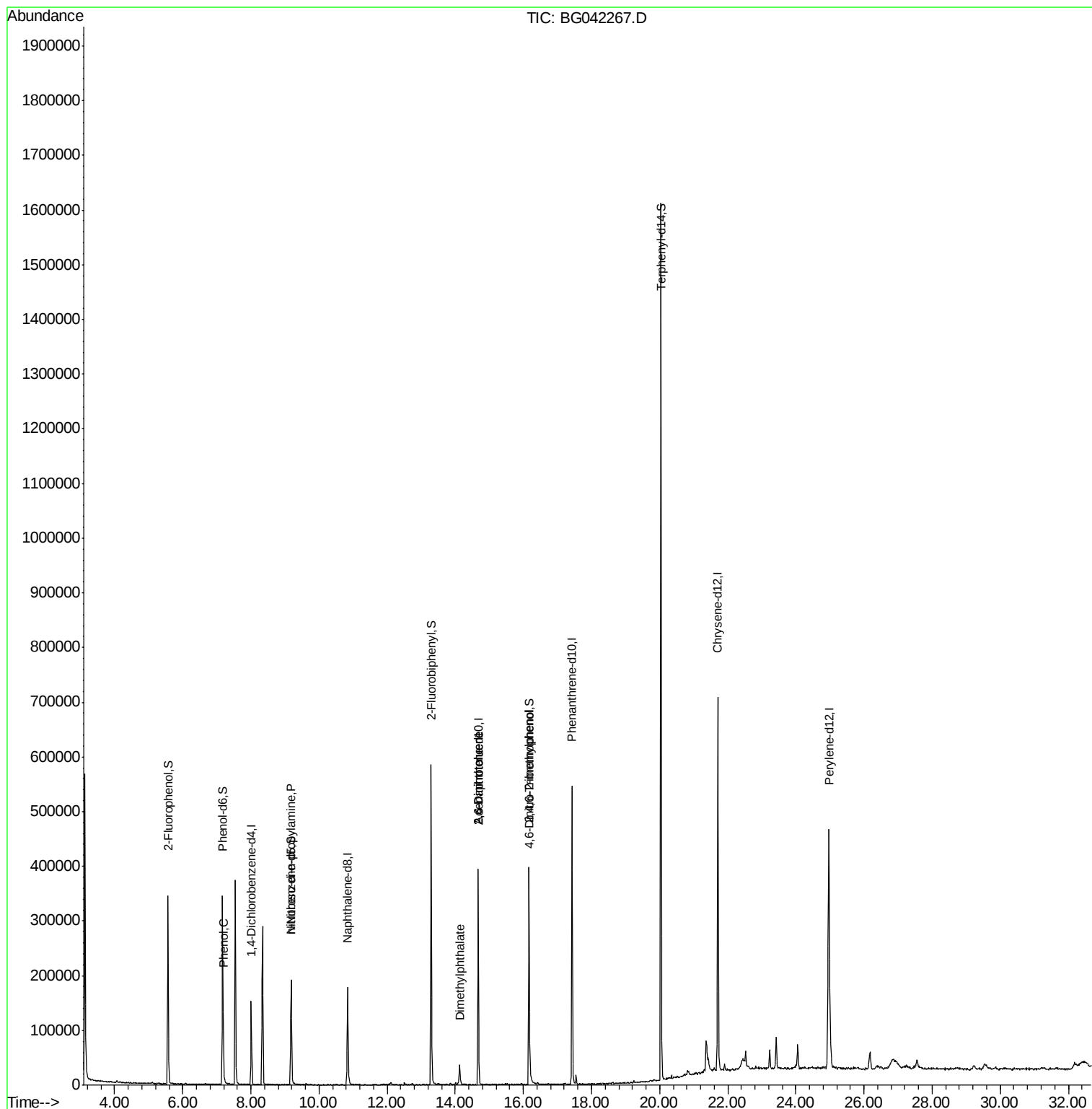
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	52060	20.00	ng	-0.04
21) Naphthalene-d8	10.84	136	203443	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	153803	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	387868	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	448303	20.00	ng	-0.03
87) Perylene-d12	24.97	264	520685	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	182343	68.15	ng	-0.02
7) Phenol-d6	7.17	99	245316	68.00	ng	-0.02
23) Nitrobenzene-d5	9.18	82	135937	45.98	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	112159	64.20	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	365899	41.96	ng	-0.04
79) Terphenyl-d14	20.04	244	872653	44.54	ng	-0.03
Target Compounds						
10) Phenol	7.19	94	12455	3.319	ng	85
19) n-Nitroso-di-n-propylamine	9.18	70	16820	6.422	ng	# 65
50) Dimethylphthalate	14.13	163	41414	3.943	ng	# 93
51) 2,6-Dinitrotoluene	14.67	165	20421	9.297	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	20421	6.761	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.15	198	65	6.882	ng	# 16

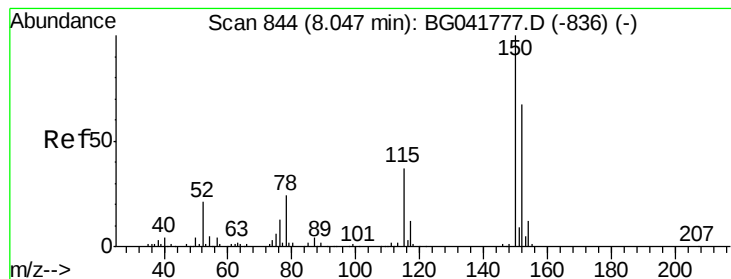
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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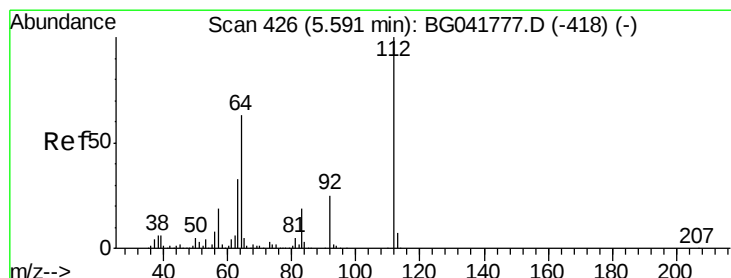
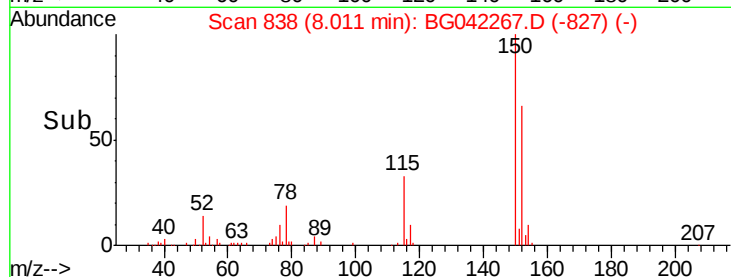
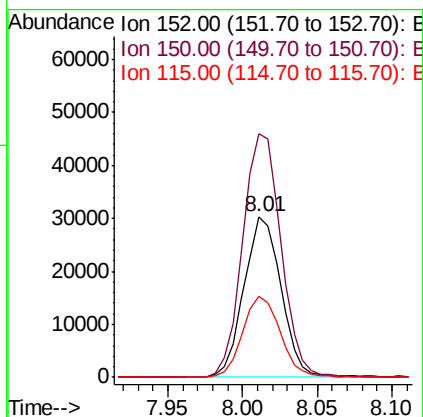
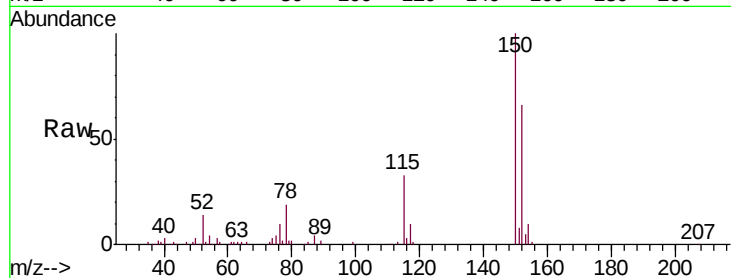




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 838
 Delta R.T. -0.04 min
 Lab File: BG042267.D
 Acq: 16 Aug 2019 19:52

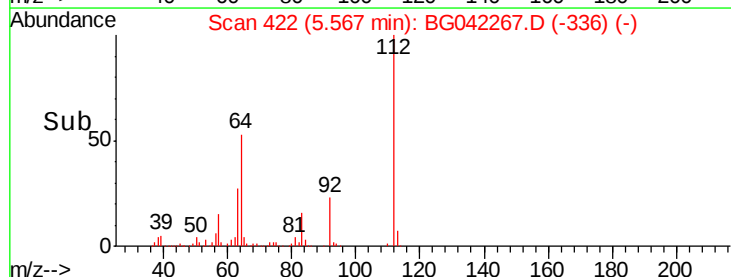
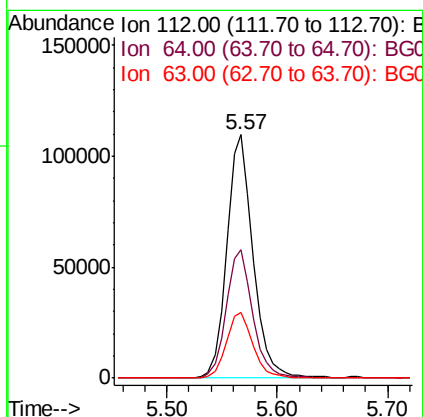
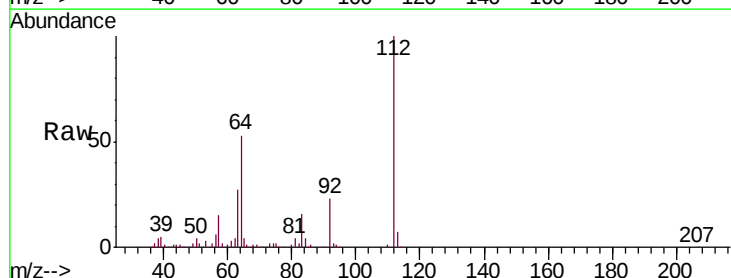
Instrument :
 BNA_G
 ClientSampleId :
 BOTTOM-2

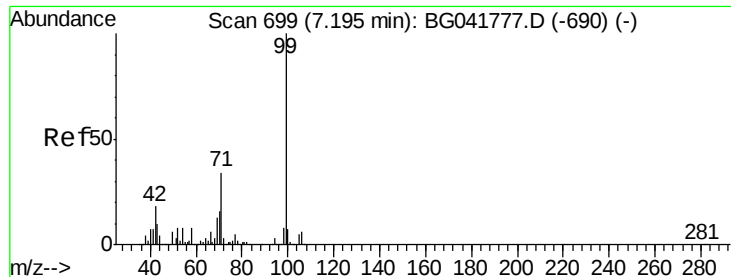
Tgt Ion:152 Resp: 52060
 Ion Ratio Lower Upper
 152 100
 150 151.3 126.9 190.3
 115 50.5 45.0 67.6



#5
 2-Fluorophenol
 Concen: 68.146 ng
 RT: 5.57 min Scan# 422
 Delta R.T. -0.02 min
 Lab File: BG042267.D
 Acq: 16 Aug 2019 19:52

Tgt Ion:112 Resp: 182343
 Ion Ratio Lower Upper
 112 100
 64 52.7 55.4 83.2#
 63 26.9 29.1 43.7#





#7

Phenol-d6

Concen: 68.005 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

Instrument :

BNA_G

ClientSampleId :

BOTTOM-2

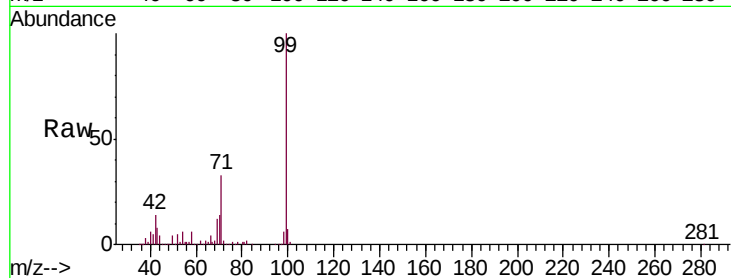
Tgt Ion: 99 Resp: 245316

Ion Ratio Lower Upper

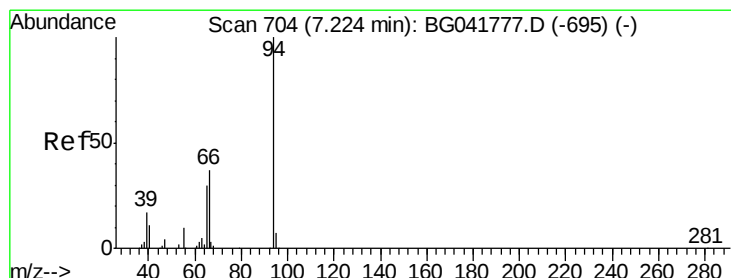
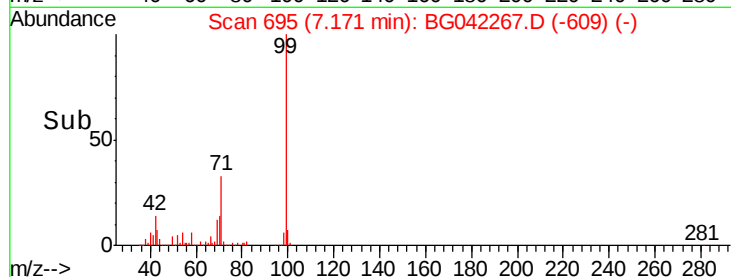
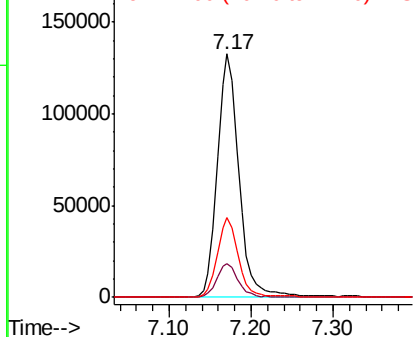
99 100

42 13.8 17.6 26.4#

71 33.0 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



#10

Phenol

Concen: 3.319 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.03 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

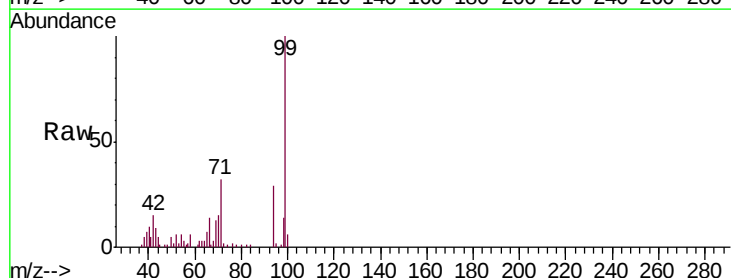
Tgt Ion: 94 Resp: 12455

Ion Ratio Lower Upper

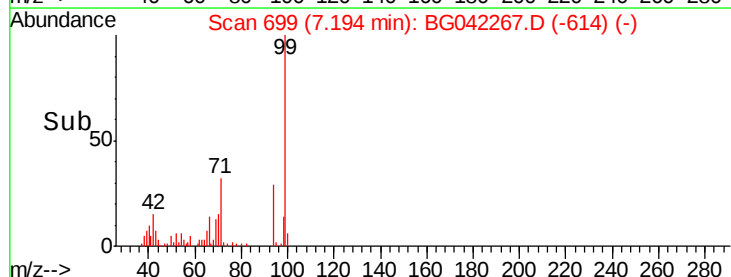
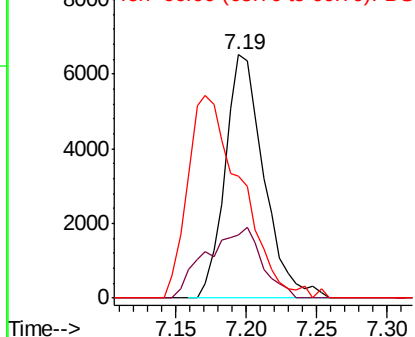
94 100

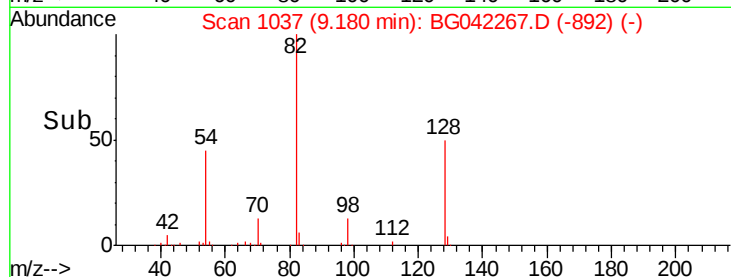
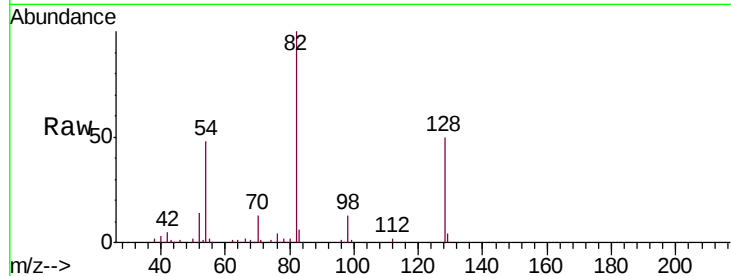
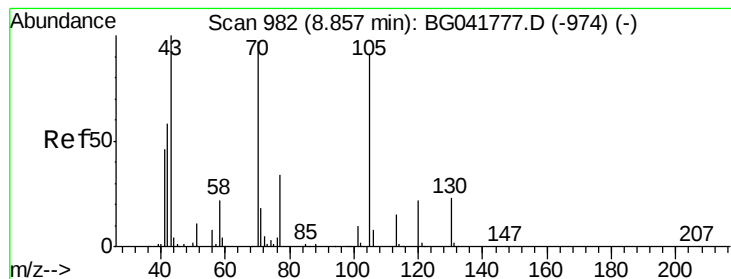
65 25.9 10.6 50.6

66 50.1 18.2 58.2



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: 6.422 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.32 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

Instrument :

BNA_G

ClientSampleId :

BOTTOM-2

Tgt Ion: 70 Resp: 16820

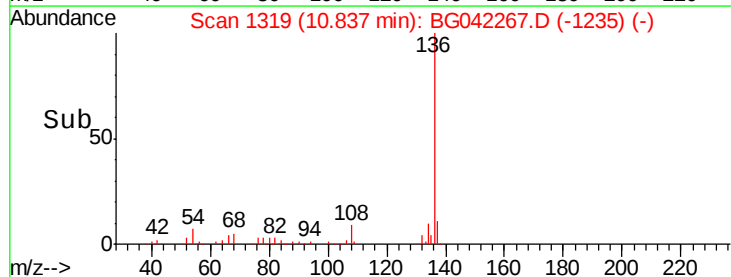
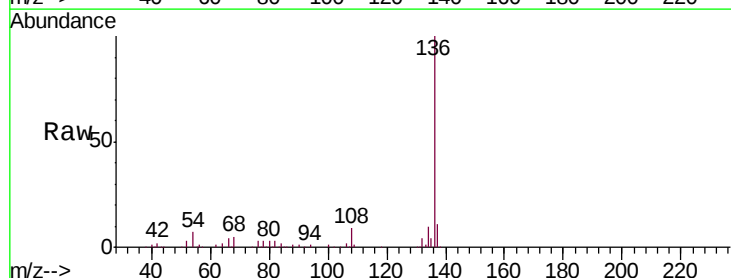
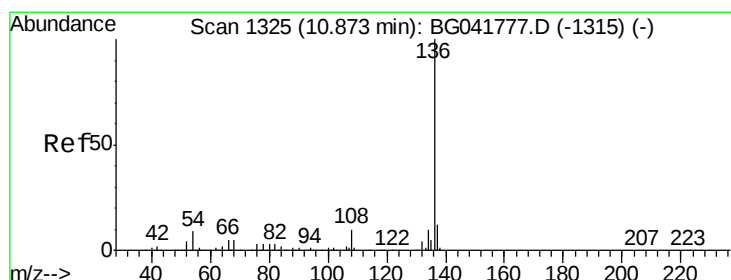
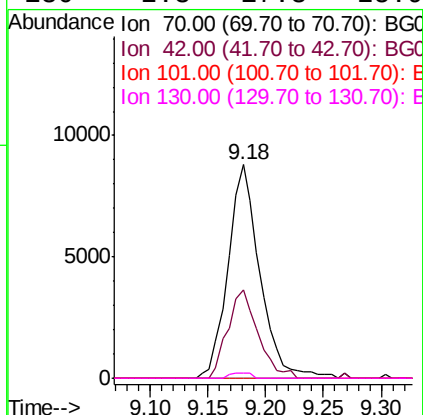
Ion Ratio Lower Upper

70 100

42 41.4 55.8 83.6#

101 0.0 8.1 12.1#

130 2.3 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1319

Delta R.T. -0.04 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

Tgt Ion: 136 Resp: 203443

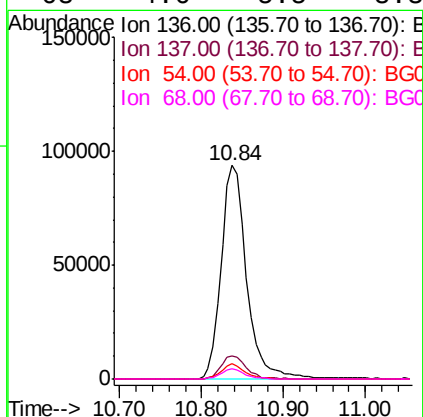
Ion Ratio Lower Upper

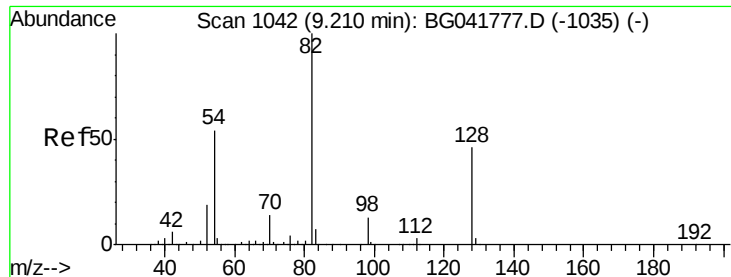
136 100

137 10.8 9.2 13.8

54 7.4 8.7 13.1#

68 4.6 5.5 8.3#

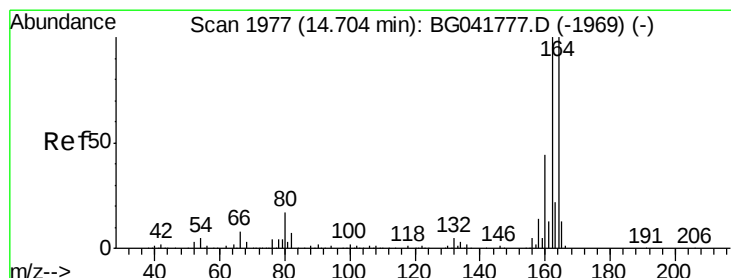
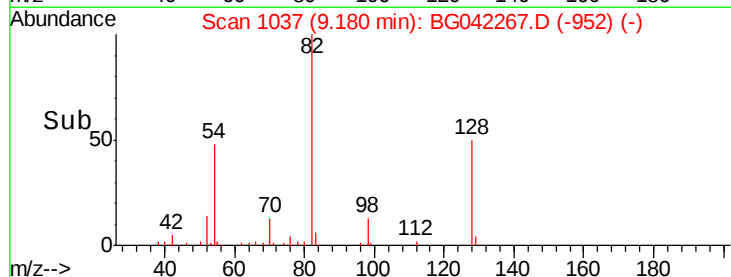
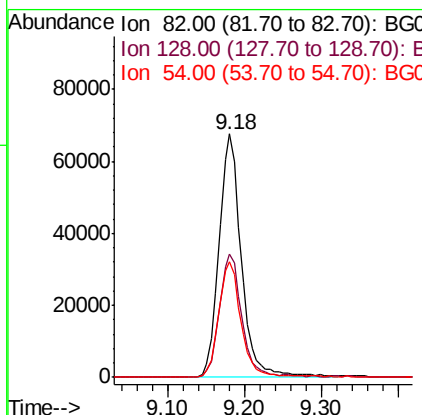
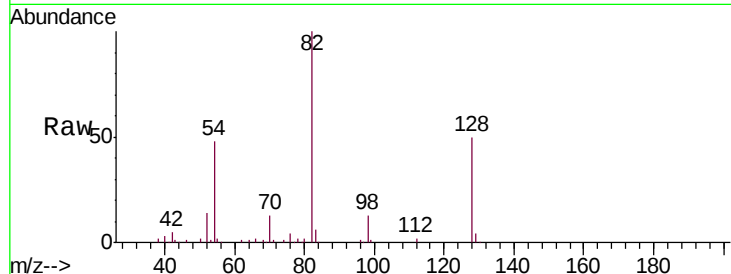




#23
 Nitrobenzene-d5
 Concen: 45.982 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BG042267.D
 Acq: 16 Aug 2019 19:52

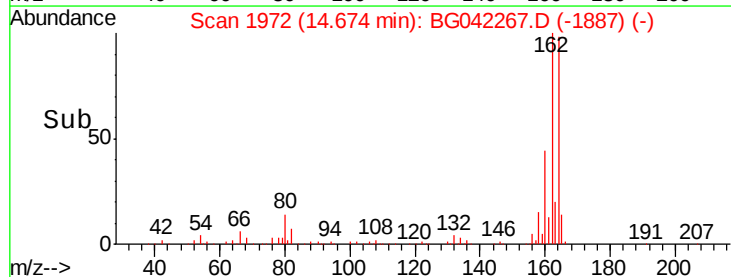
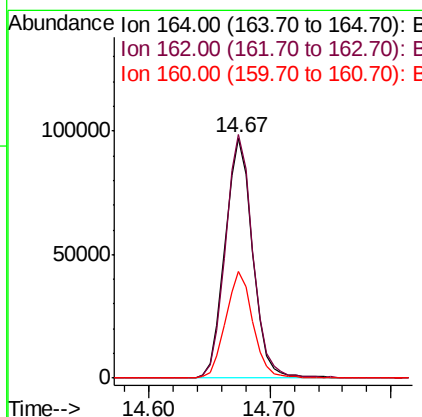
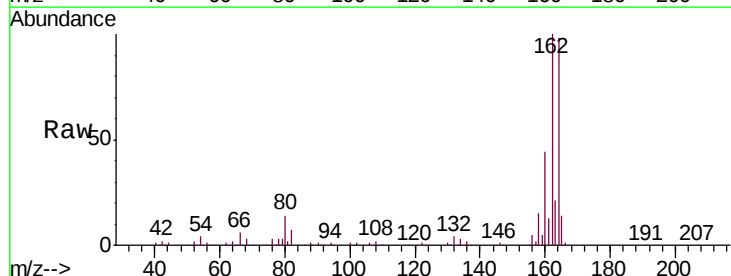
Instrument :
 BNA_G
 ClientSampleId :
 BOTTOM-2

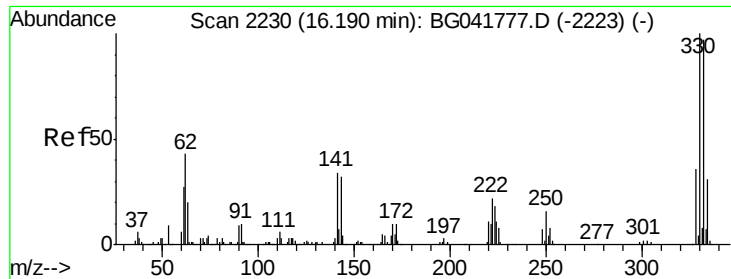
Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.4	35.1	52.7
54	47.6	48.7	73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.03 min
 Lab File: BG042267.D
 Acq: 16 Aug 2019 19:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	79.6	119.4
160	44.3	35.4	53.0

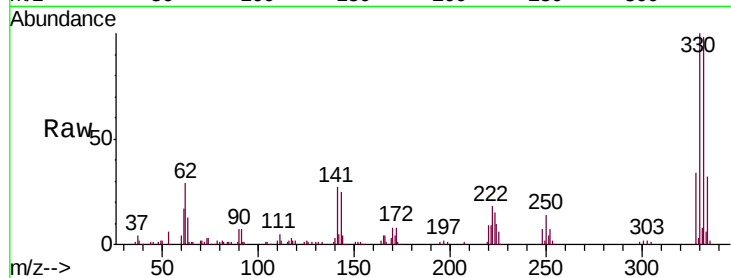




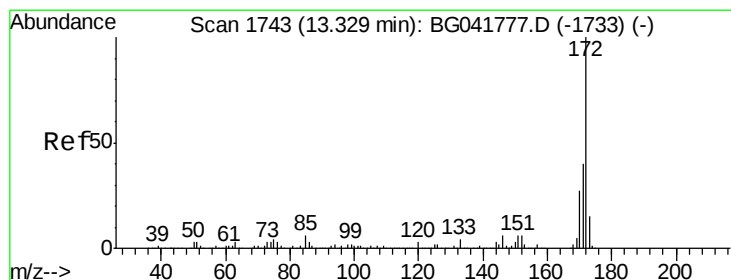
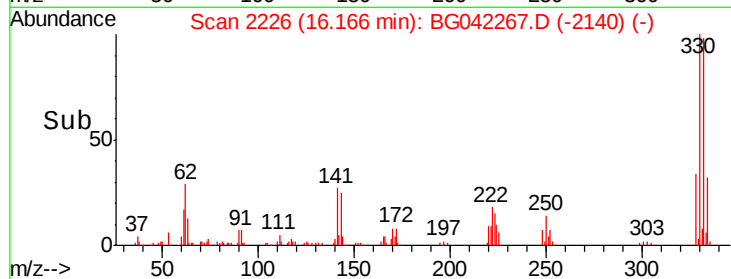
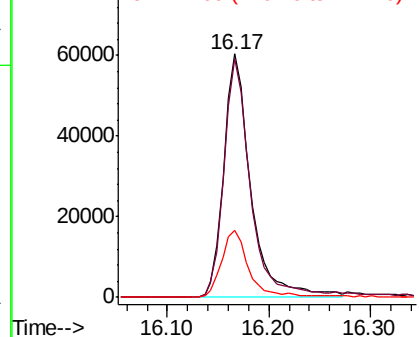
#42
 2,4,6-Tribromophenol
 Concen: 64.201 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.02 min
 Lab File: BG042267.D
 Acq: 16 Aug 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :
 BOTTOM-2

Tgt Ion:330 Resp: 112159
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.4 116.0
 141 27.3 31.9 47.9#

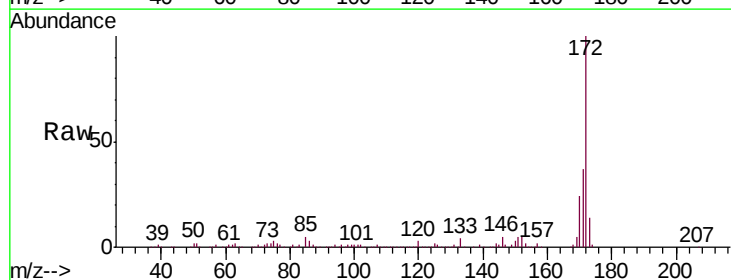


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

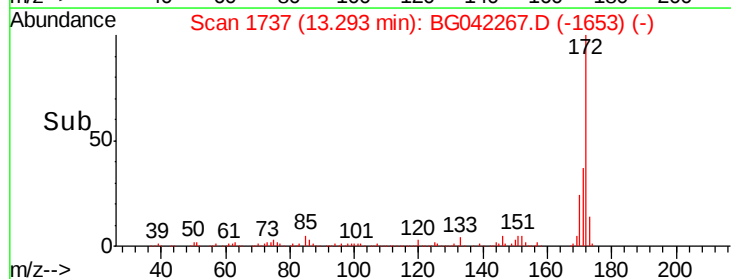
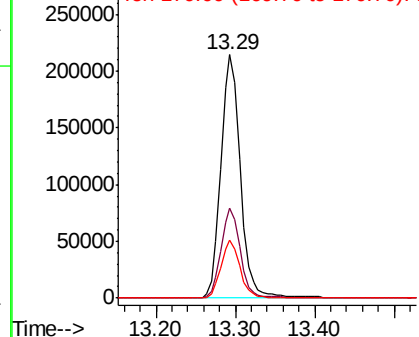


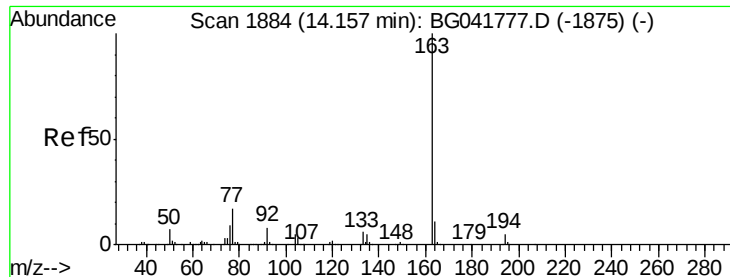
#45
 2-Fluorobiphenyl
 Concen: 41.959 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.04 min
 Lab File: BG042267.D
 Acq: 16 Aug 2019 19:52

Tgt Ion:172 Resp: 365899
 Ion Ratio Lower Upper
 172 100
 171 37.2 35.0 52.4
 170 24.1 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





#50

Dimethylphthalate

Concen: 3.943 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.03 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

Instrument :

BNA_G

ClientSampleId :

BOTTOM-2

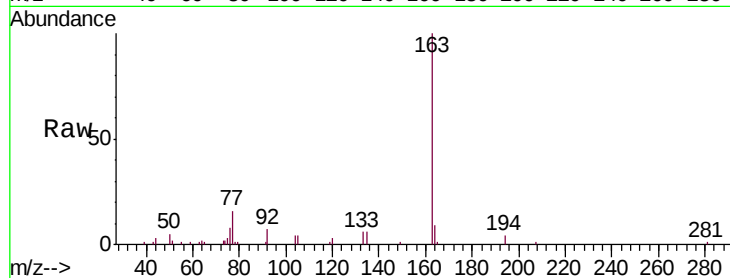
Tgt Ion:163 Resp: 41414

Ion Ratio Lower Upper

163 100

194 3.7 4.2 6.2#

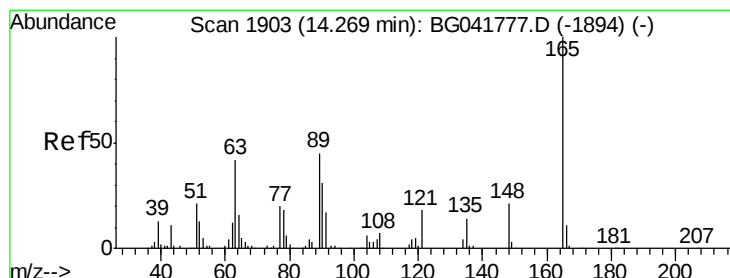
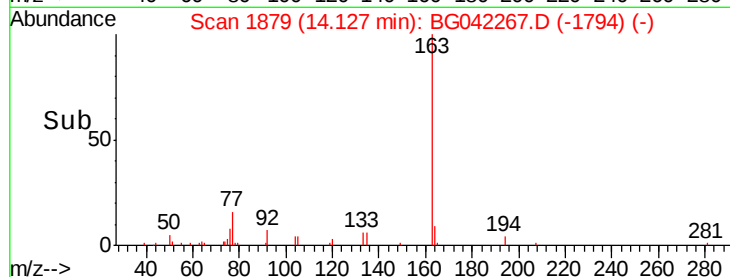
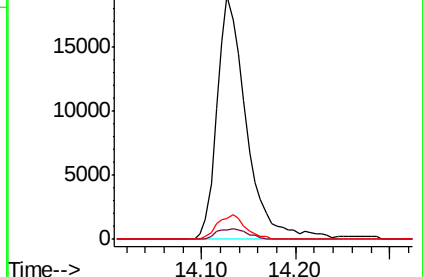
164 8.6 9.4 14.2#



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: 9.297 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.41 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

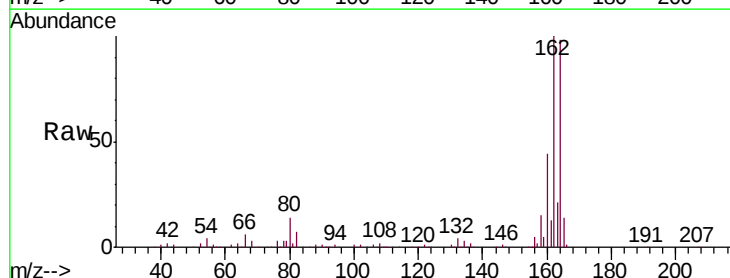
Tgt Ion:165 Resp: 20421

Ion Ratio Lower Upper

165 100

63 0.0 42.4 63.6#

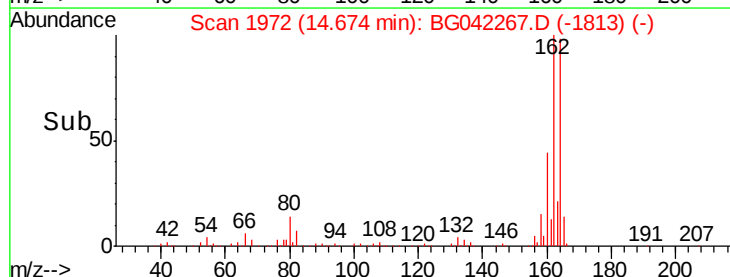
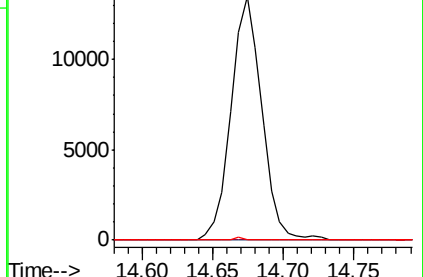
89 0.0 42.1 63.1#

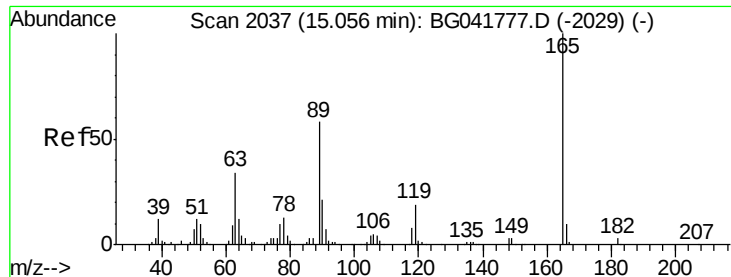


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

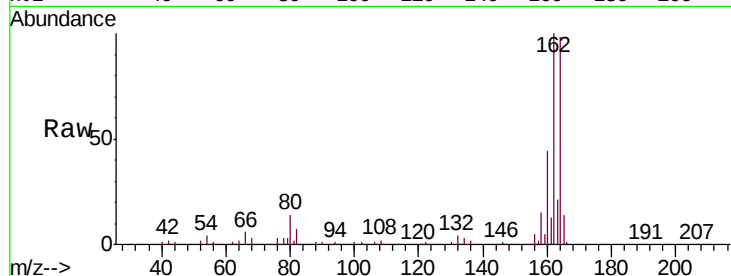




#57
 2,4-Dinitrotoluene
 Concen: 6.761 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG042267.D
 Acq: 16 Aug 2019 19:52

Instrument :
 BNA_G
 ClientSampleId :
 BOTTOM-2

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



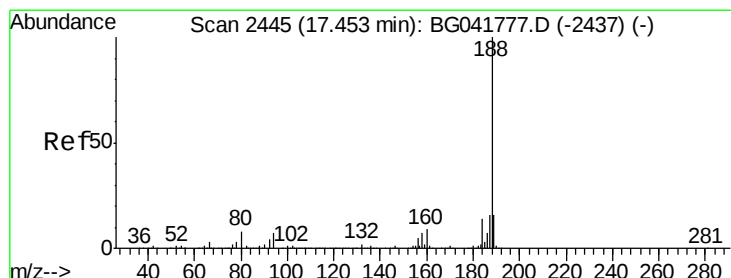
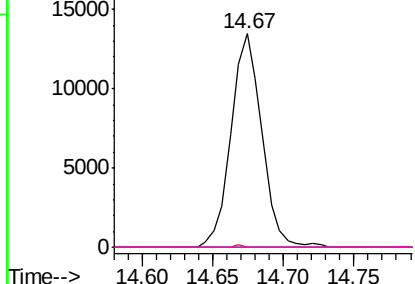
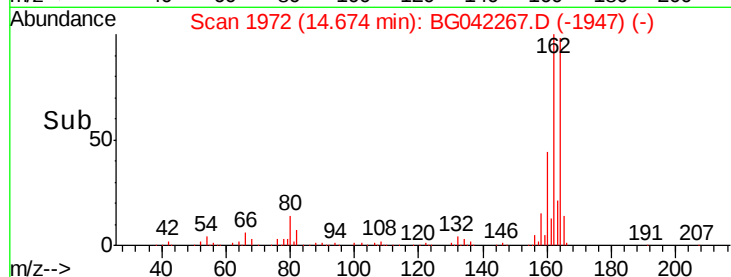
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

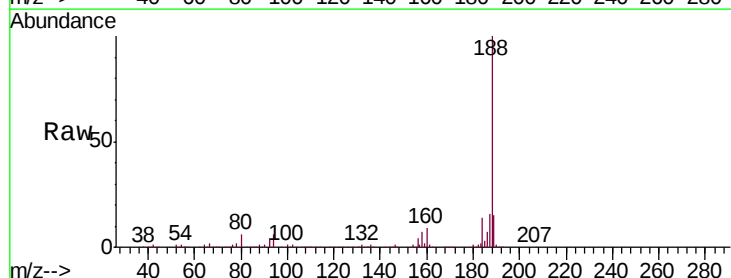
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.02 min
 Lab File: BG042267.D
 Acq: 16 Aug 2019 19:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	6.5	8.0	12.0#

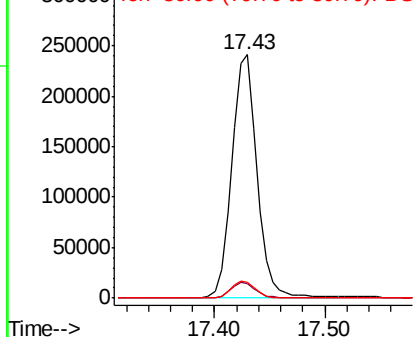
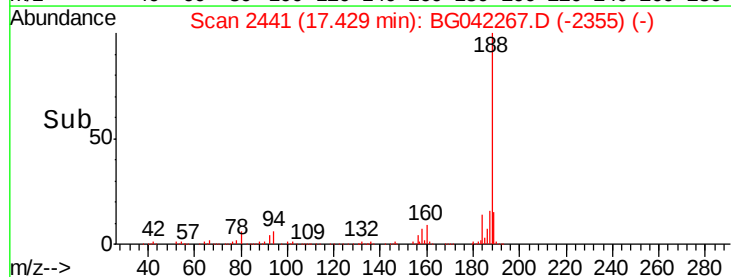


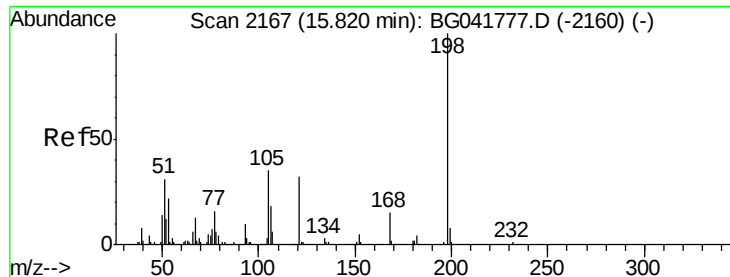
Abundance

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





#65

4,6-Dinitro-2-methylphenol

Concen: 6.882 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.34 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

Instrument :

BNA_G

ClientSampleId :

BOTTOM-2

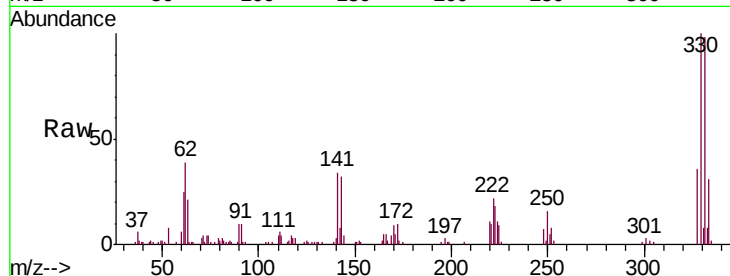
Tgt Ion:198 Resp: 65

Ion Ratio Lower Upper

198 100

51 94.6 22.3 62.3#

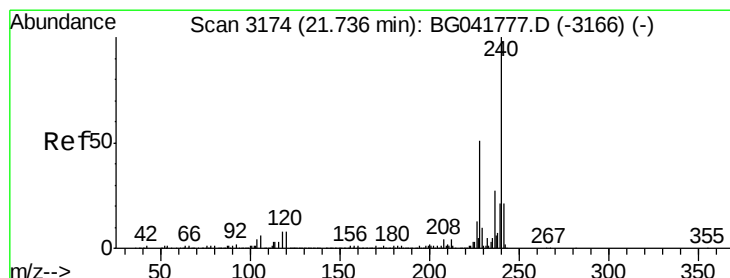
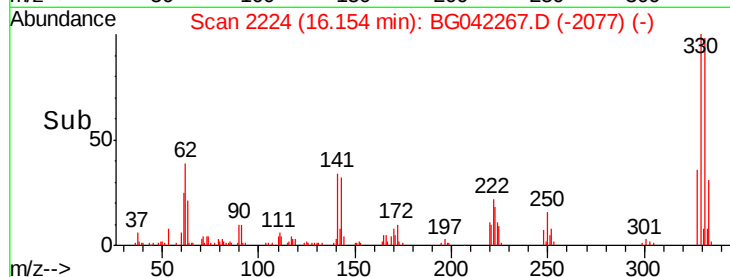
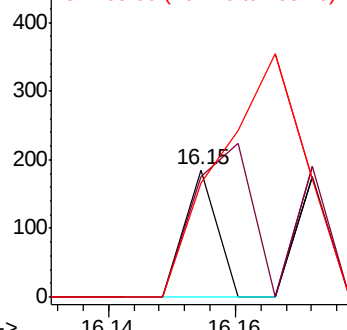
105 90.3 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.71 min Scan# 3169

Delta R.T. -0.03 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

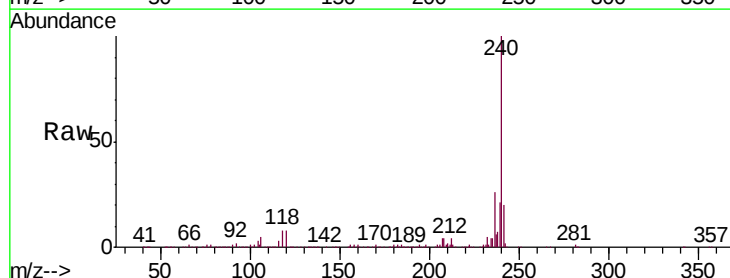
Tgt Ion:240 Resp: 448303

Ion Ratio Lower Upper

240 100

120 7.8 8.0 12.0#

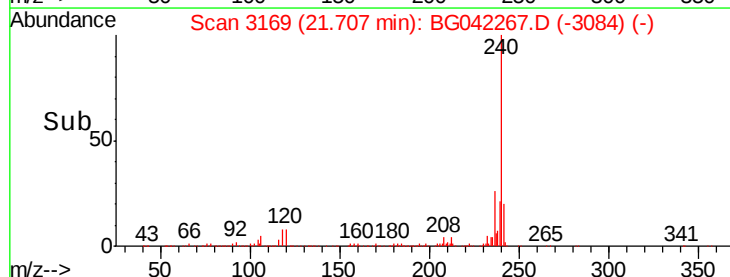
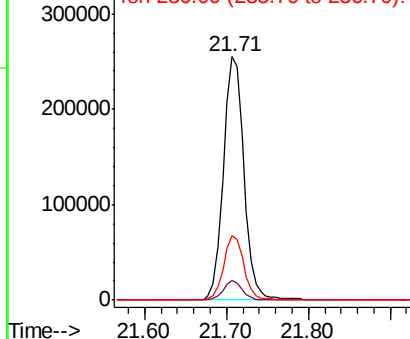
236 26.5 22.6 33.8

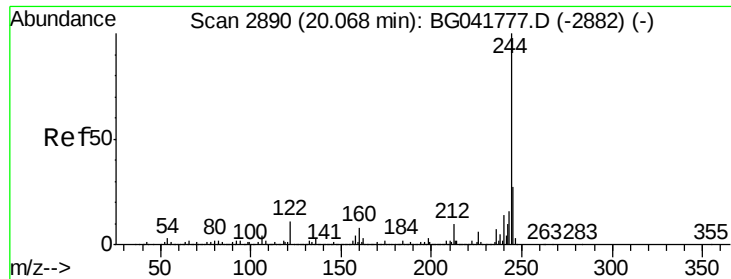


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 44.543 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.03 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

Instrument :

BNA_G

ClientSampleId :

BOTTOM-2

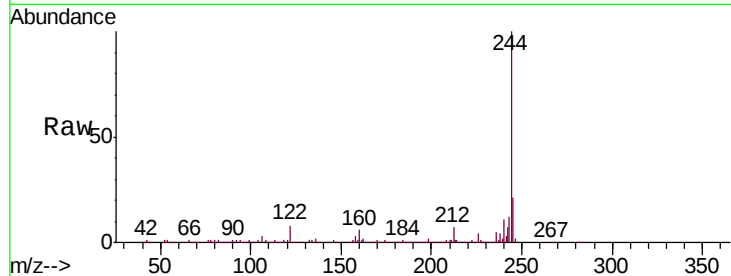
Tgt Ion:244 Resp: 872653

Ion Ratio Lower Upper

244 100

212 7.1 9.7 14.5#

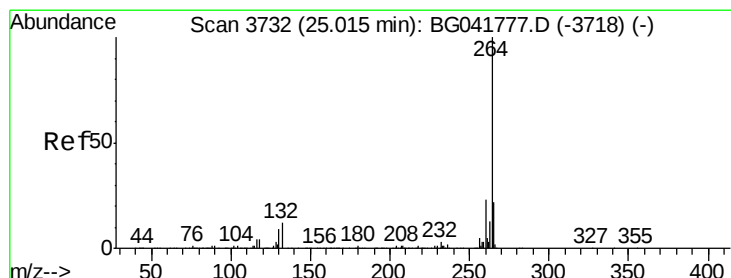
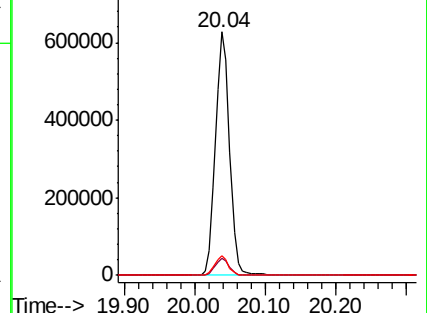
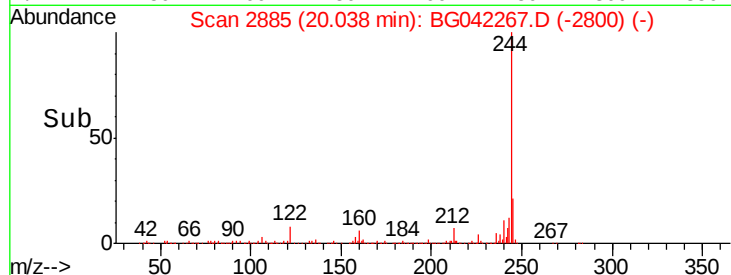
122 7.9 12.5 18.7#



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: 24.97 min Scan# 3724

Delta R.T. -0.05 min

Lab File: BG042267.D

Acq: 16 Aug 2019 19:52

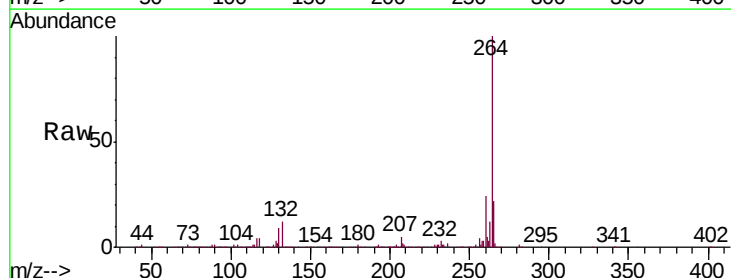
Tgt Ion:264 Resp: 520685

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 22.2 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

