

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042300.D
 Acq On : 17 Aug 2019 23:47
 Operator : HP/JU
 Sample : K4090-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-081519

Quant Time: Aug 19 06:02:04 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

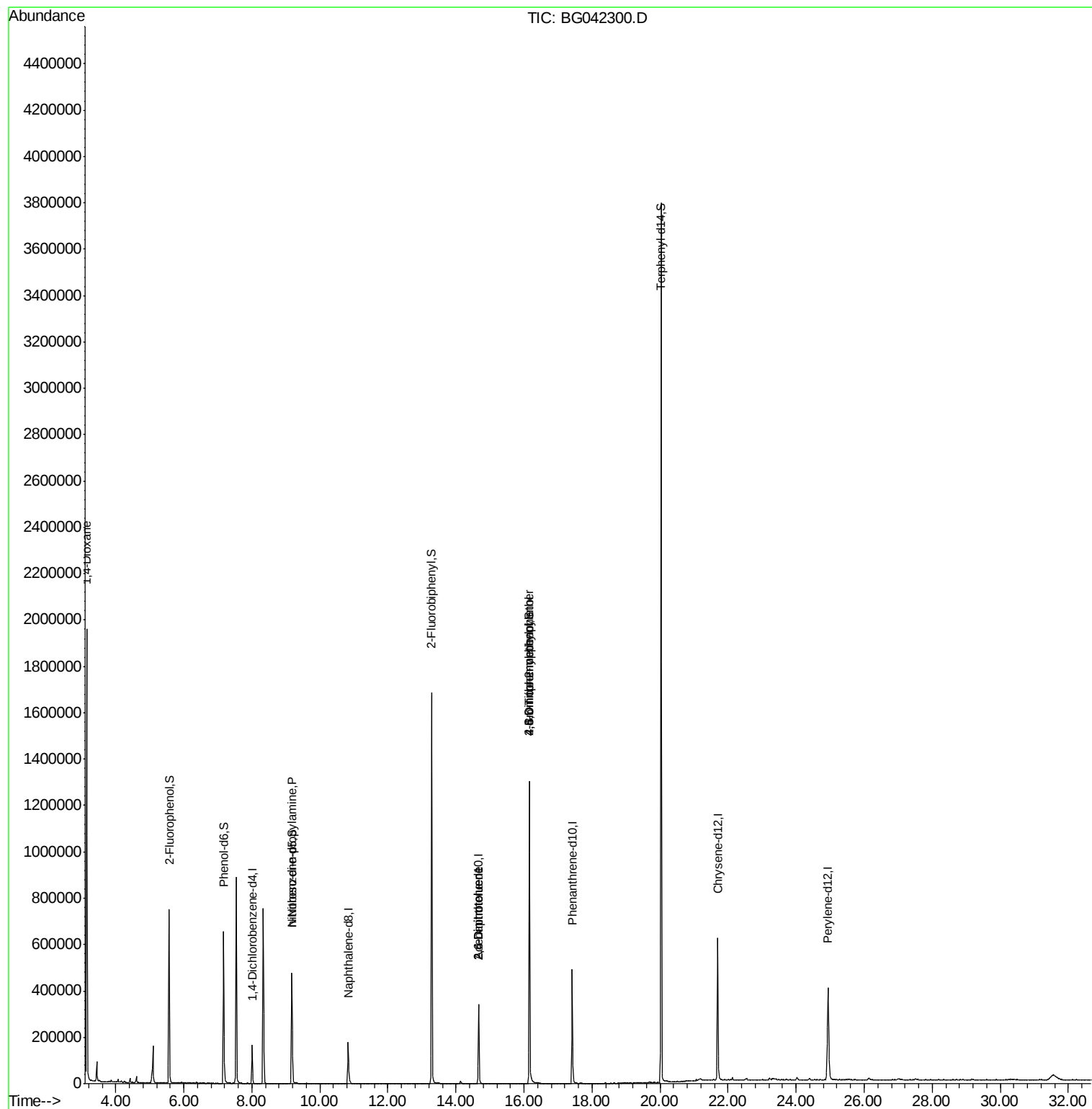
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	54171	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	206953	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	145228	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	351842	20.00	ng	-0.04
76) Chrysene-d12	21.69	240	410333	20.00	ng	-0.04
87) Perylene-d12	24.94	264	474642	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	384326	138.04	ng	-0.03
7) Phenol-d6	7.17	99	451157	120.19	ng	-0.03
23) Nitrobenzene-d5	9.17	82	326698	108.63	ng	-0.04
42) 2,4,6-Tribromophenol	16.16	330	332880	201.80	ng	-0.03
45) 2-Fluorobiphenyl	13.28	172	981319	119.18	ng	-0.04
79) Terphenyl-d14	20.03	244	1939735	108.17	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	3.14	88	21029	16.047	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	41471	15.218	ng	# 65
51) 2,6-Dinitrotoluene	14.67	165	18623	8.979	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	18623	6.529	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.15	198	570	7.136	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	22409	5.170	ng	# 1

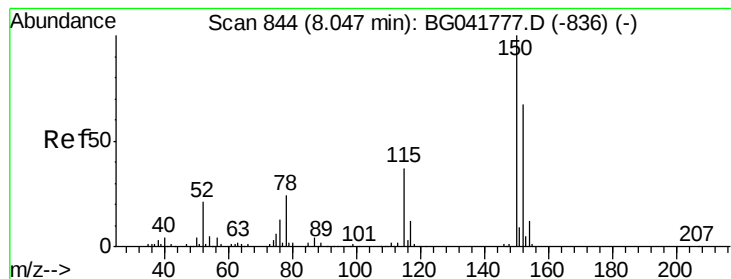
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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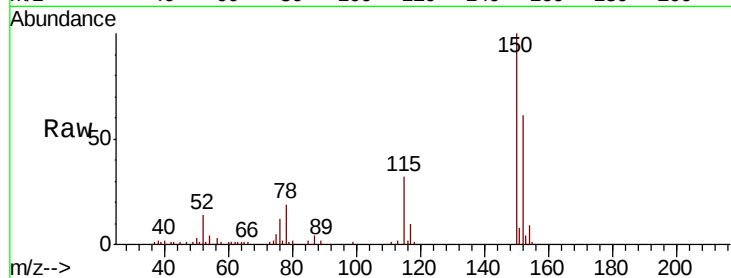


#1

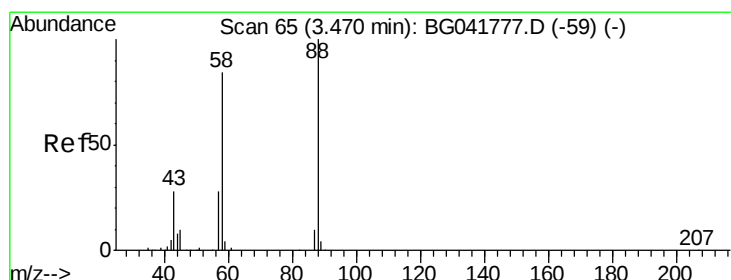
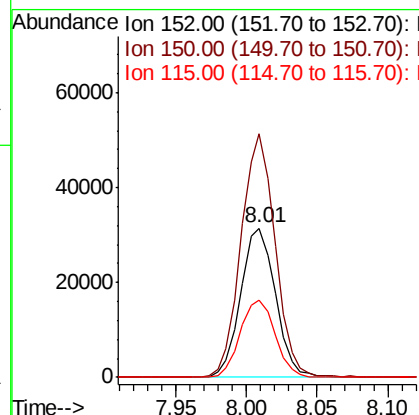
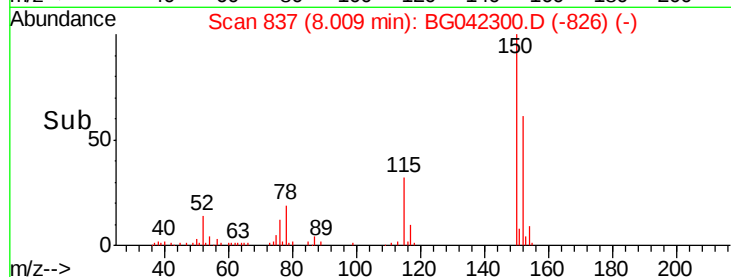
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042300.D
Acq: 17 Aug 2019 23:47

Instrument :
BNA_G
ClientSampleId :
OR-02-081519

Tgt Ion:152 Resp: 54171
Ion Ratio Lower Upper
152 100
150 162.9 126.9 190.3
115 51.4 45.0 67.6



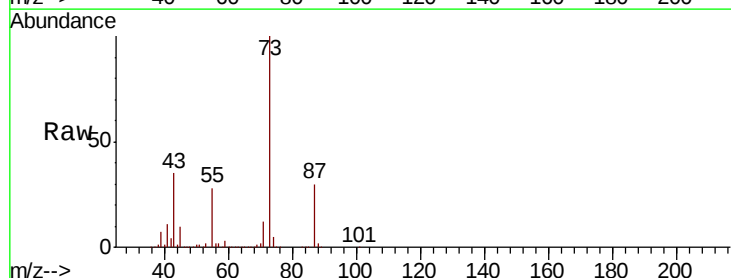
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



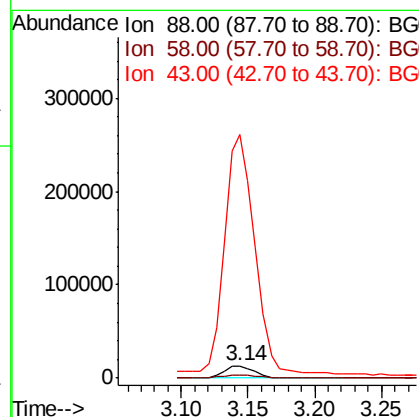
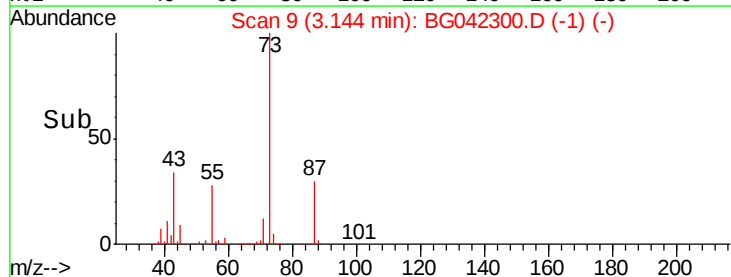
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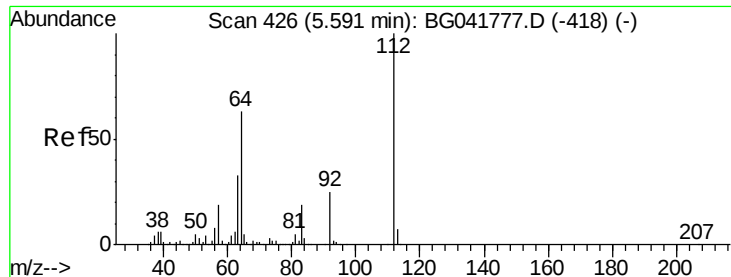
1,4-Dioxane
Concen: 16.047 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.33 min
Lab File: BG042300.D
Acq: 17 Aug 2019 23:47

Tgt Ion: 88 Resp: 21029
Ion Ratio Lower Upper
88 100
58 26.2 76.2 114.2#
43 1969.0 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: 138.036 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042300.D

Acq: 17 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :

OR-02-081519

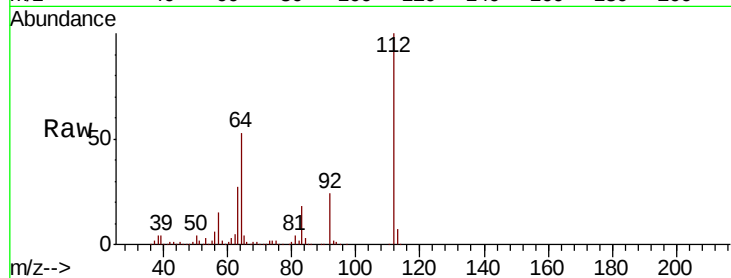
Tgt Ion: 112 Resp: 384326

Ion Ratio Lower Upper

112 100

64 53.4 55.4 83.2#

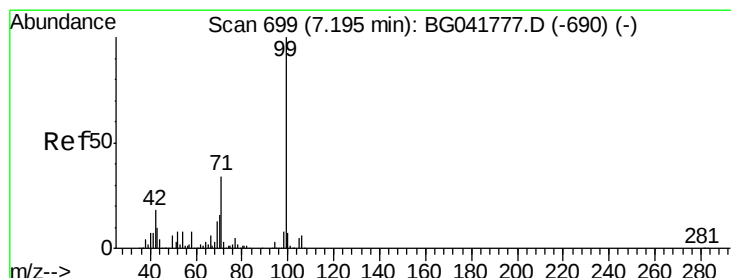
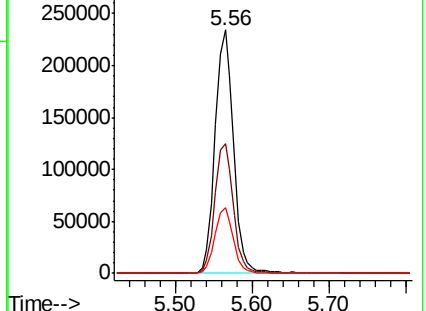
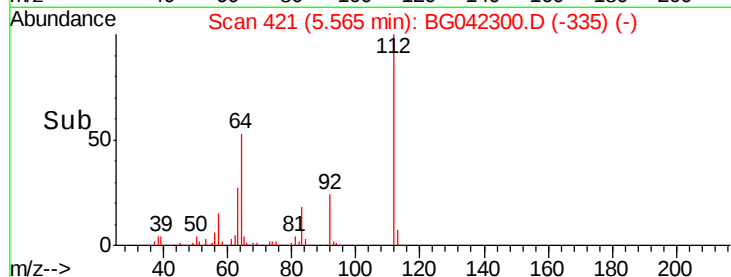
63 26.9 29.1 43.7#



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: 120.192 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042300.D

Acq: 17 Aug 2019 23:47

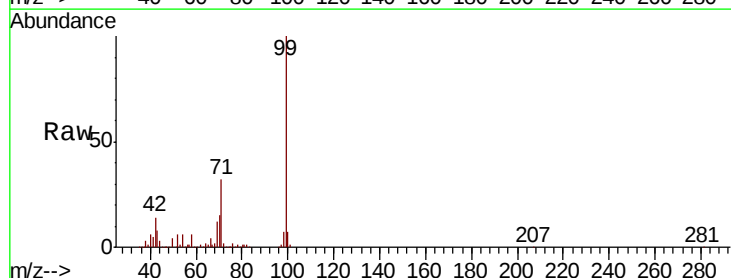
Tgt Ion: 99 Resp: 451157

Ion Ratio Lower Upper

99 100

42 14.1 17.6 26.4#

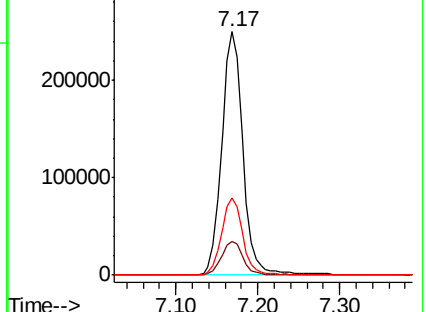
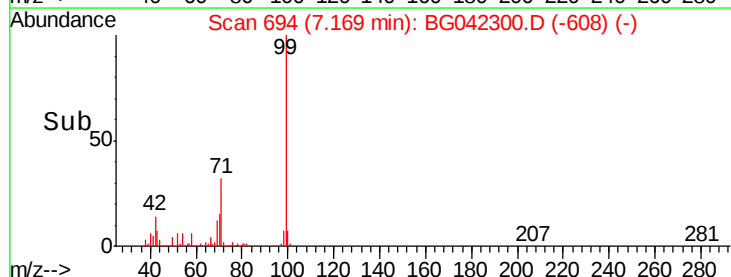
71 31.9 27.8 41.6

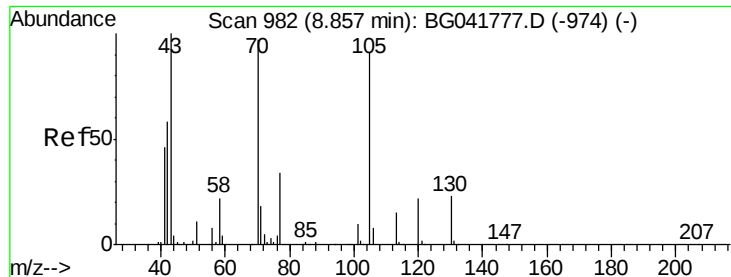


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

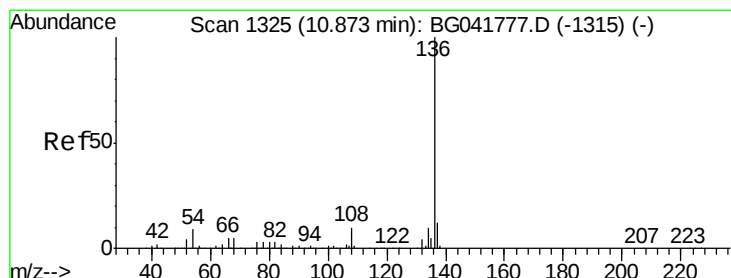
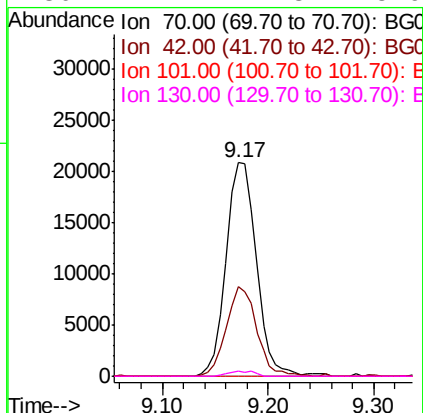
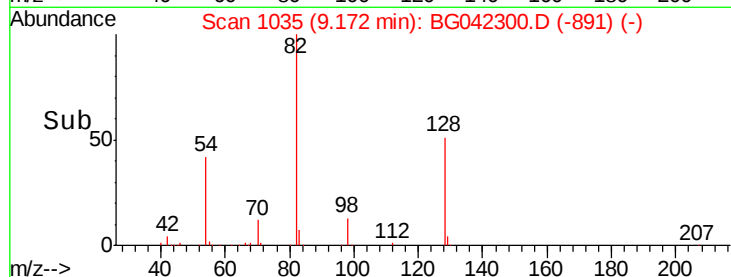
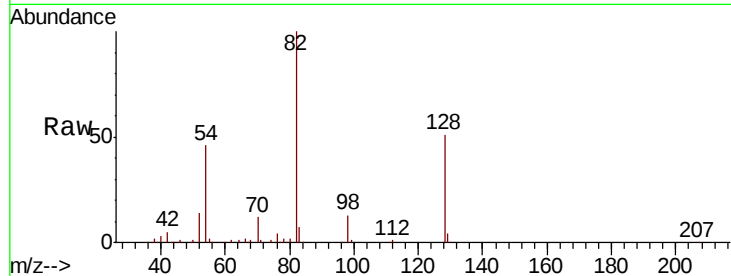




#19
n-Nitroso-di-n-propylamine
Concen: 15.218 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.31 min
Lab File: BG042300.D
Acq: 17 Aug 2019 23:47

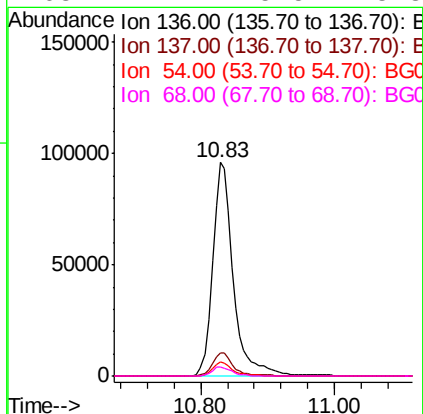
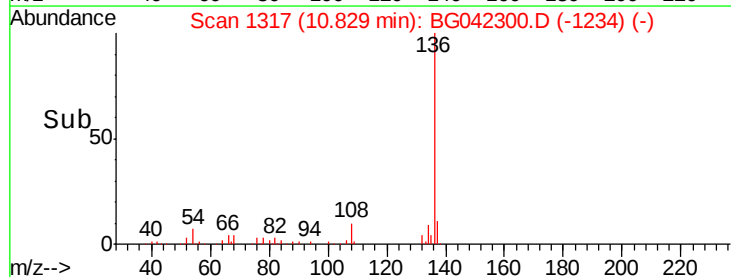
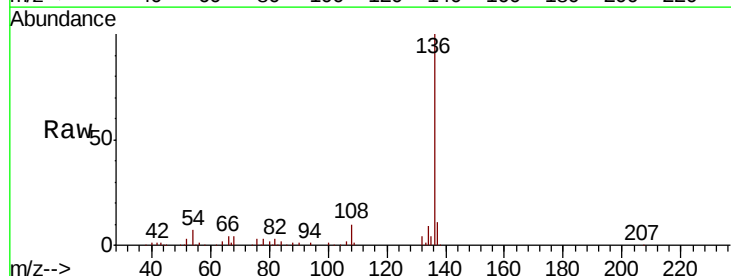
Instrument :
BNA_G
ClientSampleId :
OR-02-081519

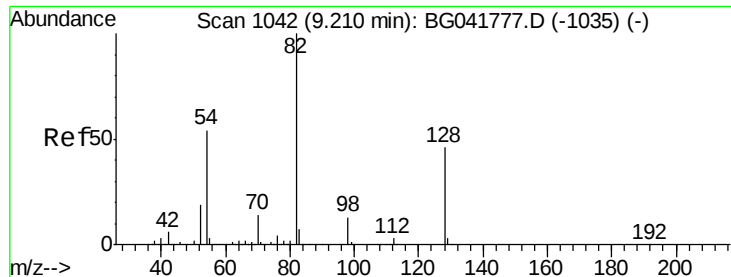
Tgt Ion: 70 Resp: 41471
Ion Ratio Lower Upper
70 100
42 41.8 55.8 83.6#
101 0.0 8.1 12.1#
130 2.2 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.04 min
Lab File: BG042300.D
Acq: 17 Aug 2019 23:47

Tgt Ion: 136 Resp: 206953
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 6.5 8.7 13.1#
68 4.4 5.5 8.3#

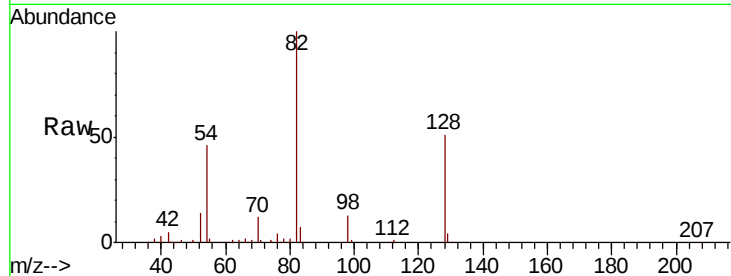




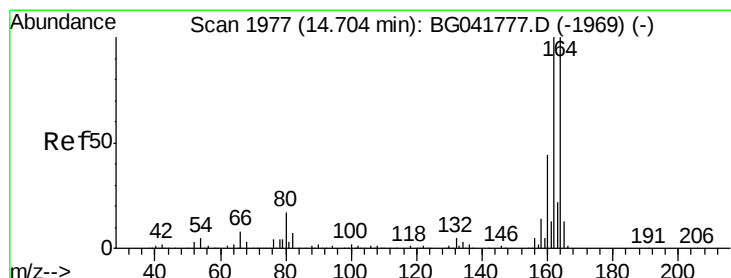
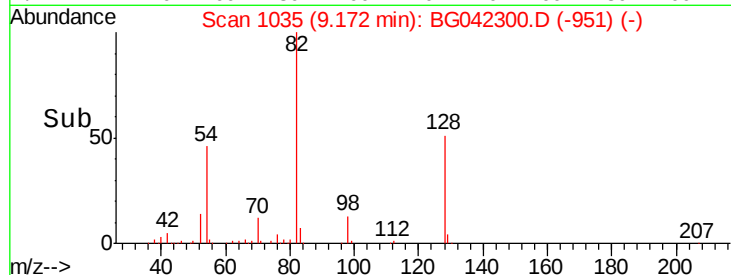
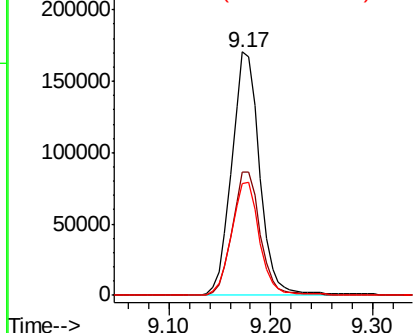
#23
 Nitrobenzene-d5
 Concen: 108.634 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.04 min
 Lab File: BG042300.D
 Acq: 17 Aug 2019 23:47

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-081519

Tgt Ion: 82 Resp: 326698
 Ion Ratio Lower Upper
 82 100
 128 50.8 35.1 52.7
 54 46.0 48.7 73.1#

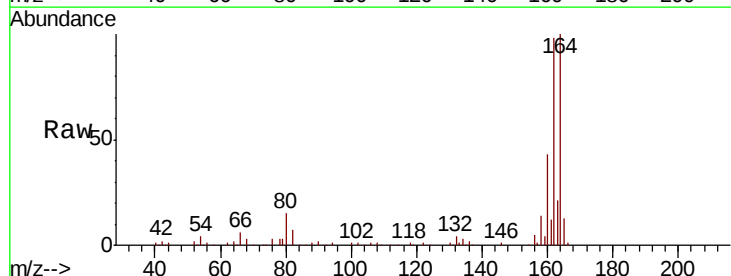


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

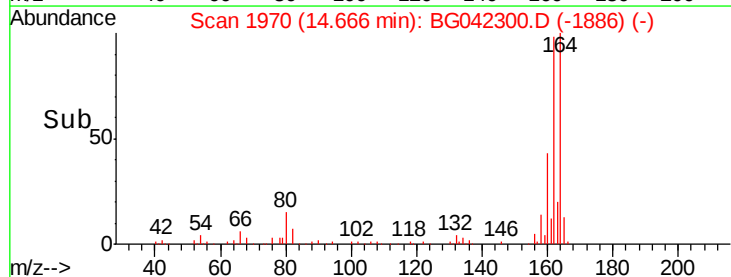
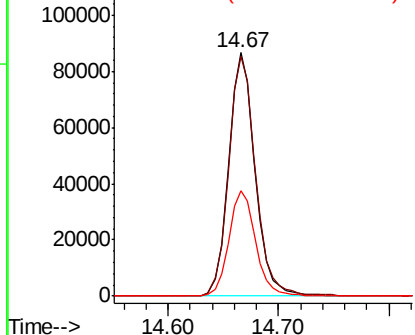


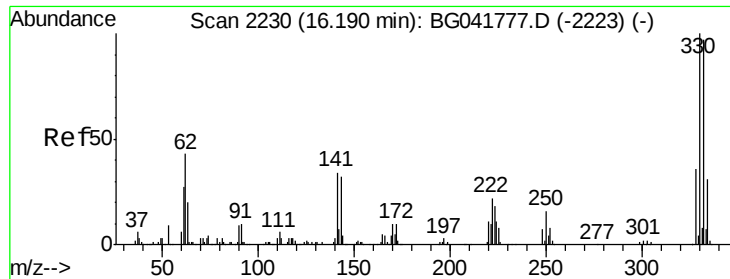
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.04 min
 Lab File: BG042300.D
 Acq: 17 Aug 2019 23:47

Tgt Ion: 164 Resp: 145228
 Ion Ratio Lower Upper
 164 100
 162 98.4 79.6 119.4
 160 43.1 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

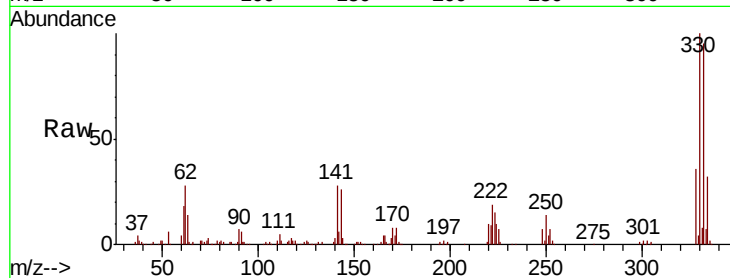




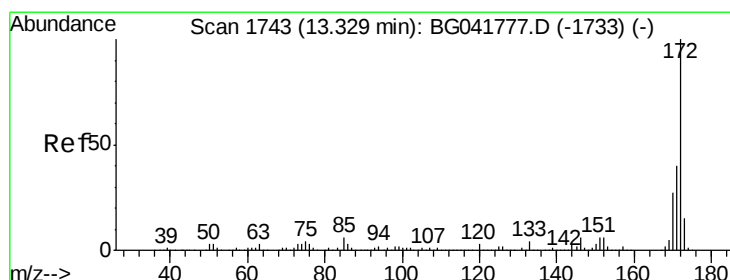
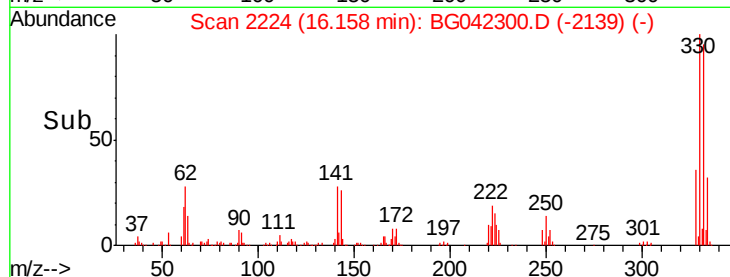
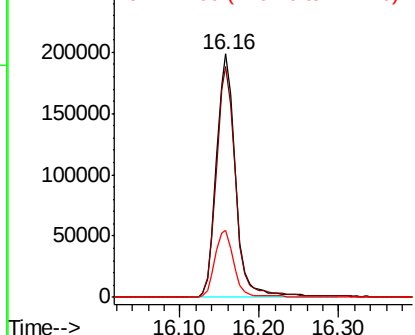
#42
 2,4,6-Tribromophenol
 Concen: 201.795 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.03 min
 Lab File: BG042300.D
 Acq: 17 Aug 2019 23:47

Instrument :
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Tgt Ion:330 Resp: 332880
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.4 116.0
 141 27.9 31.9 47.9#

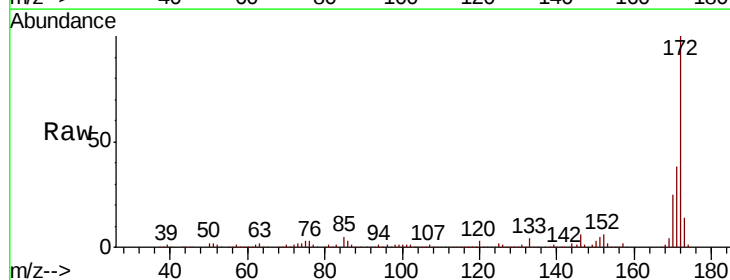


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

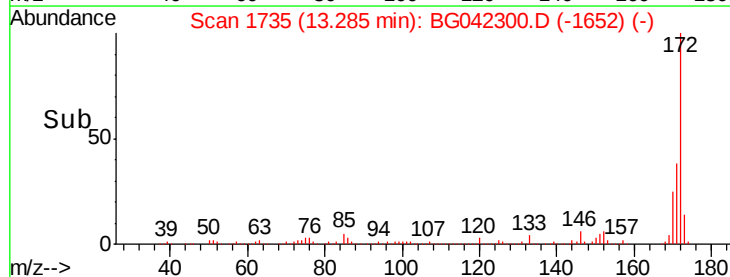
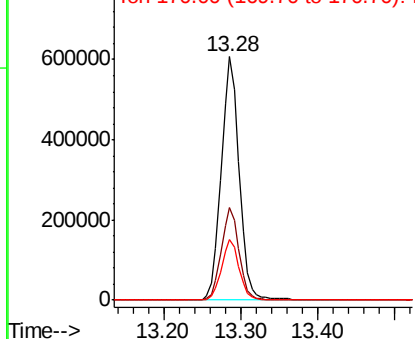


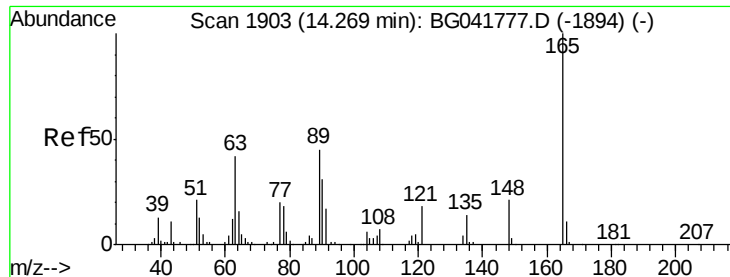
#45
 2-Fluorobiphenyl
 Concen: 119.176 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.04 min
 Lab File: BG042300.D
 Acq: 17 Aug 2019 23:47

Tgt Ion:172 Resp: 981319
 Ion Ratio Lower Upper
 172 100
 171 38.2 35.0 52.4
 170 25.1 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

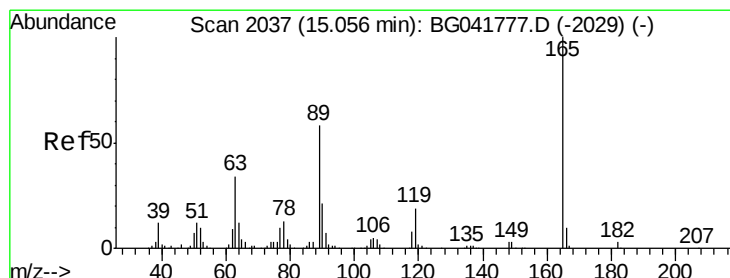
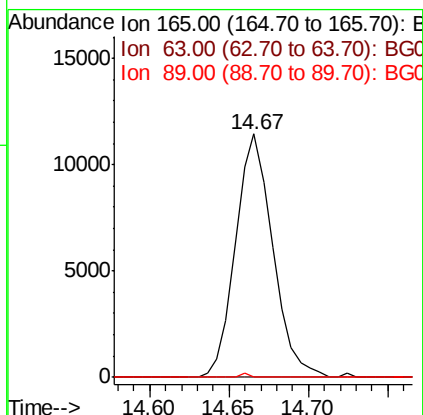
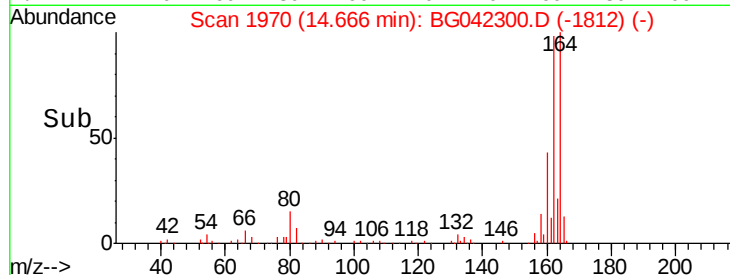
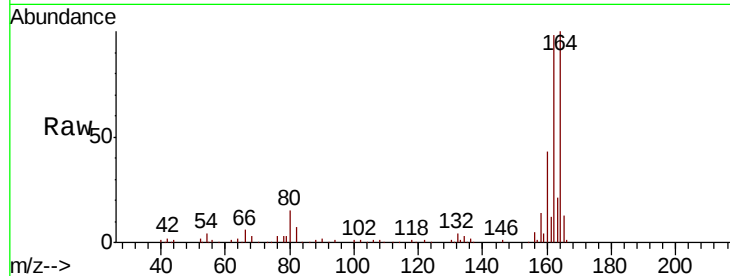




#51
 2,6-Dinitrotoluene
 Concen: 8.979 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042300.D
 Acq: 17 Aug 2019 23:47

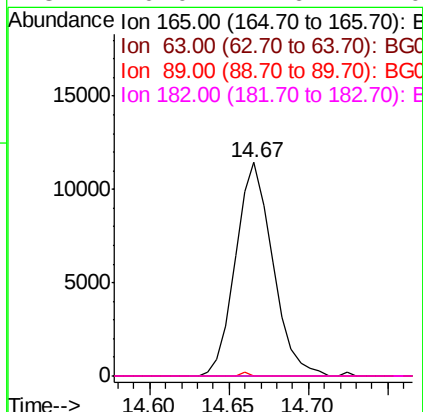
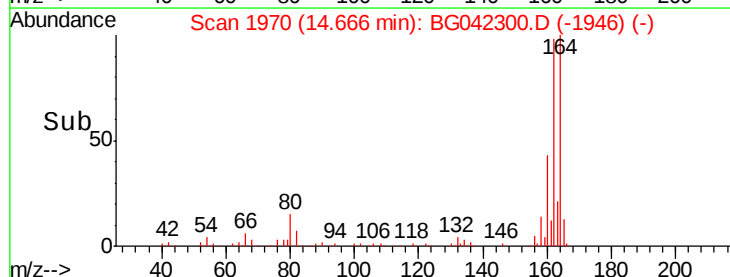
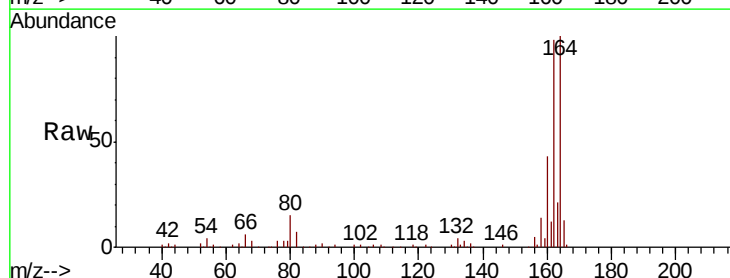
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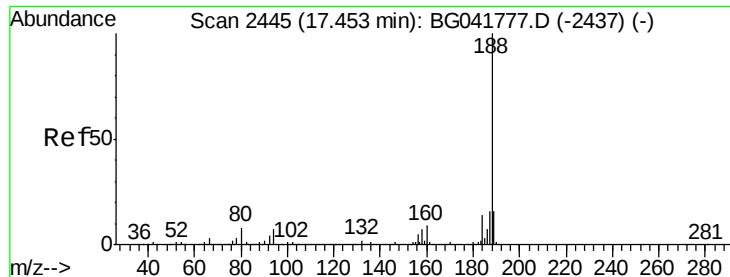
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.529 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042300.D
 Acq: 17 Aug 2019 23:47

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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2438

Delta R.T. -0.04 min

Lab File: BG042300.D

Acq: 17 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :

OR-02-081519

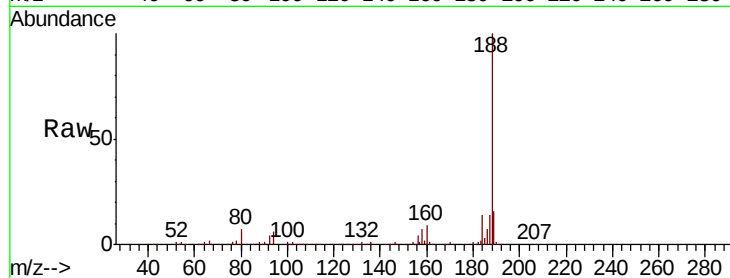
Tgt Ion:188 Resp: 351842

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

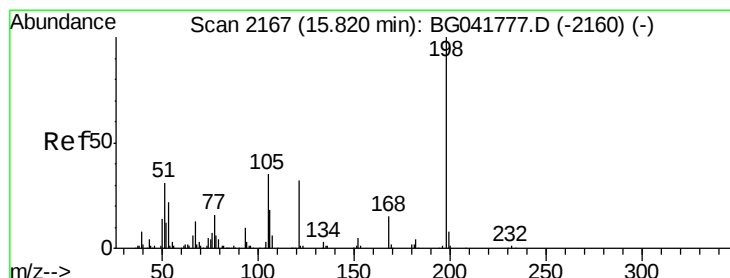
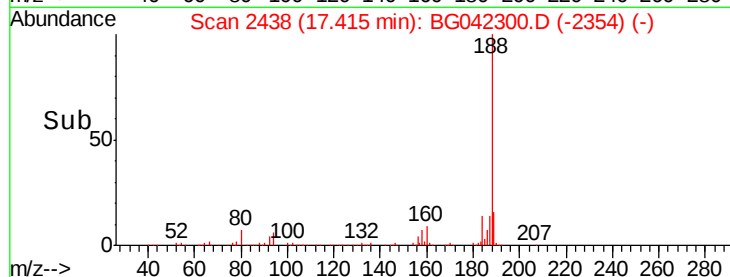
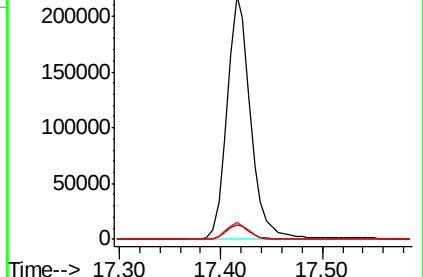
80 6.8 8.0 12.0#



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: 7.136 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.33 min

Lab File: BG042300.D

Acq: 17 Aug 2019 23:47

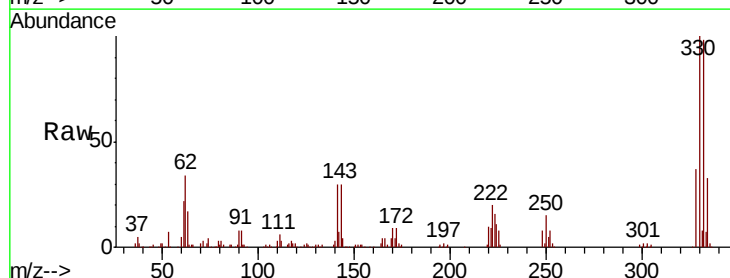
Tgt Ion:198 Resp: 570

Ion Ratio Lower Upper

198 100

51 97.5 22.3 62.3#

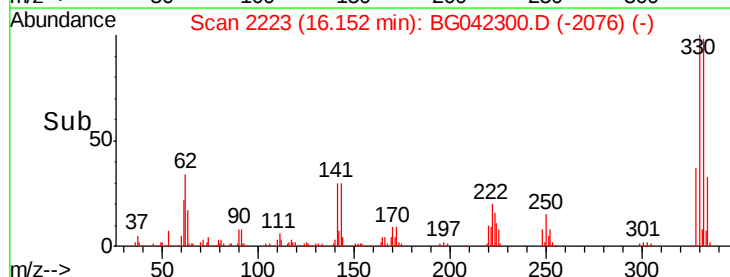
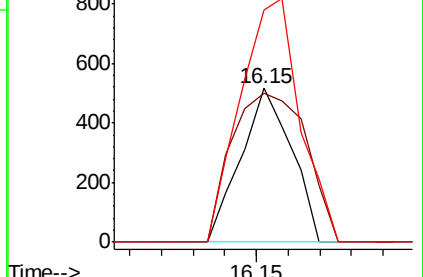
105 151.3 18.0 58.0#

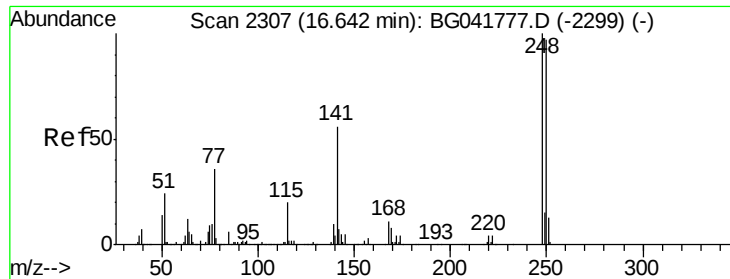


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

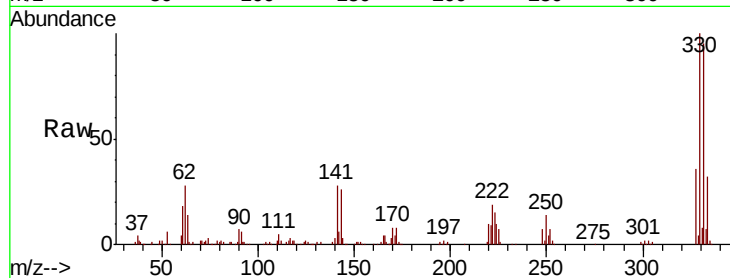




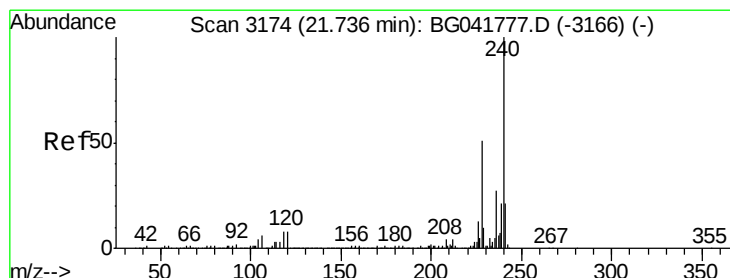
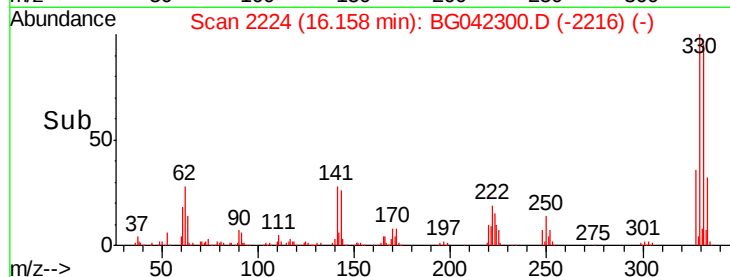
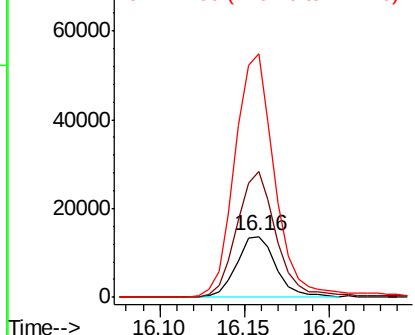
#67
 4-Bromophenyl-phenylether
 Concen: 5.170 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.48 min
 Lab File: BG042300.D
 Acq: 17 Aug 2019 23:47

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-081519

Tgt Ion:248 Resp: 22409
 Ion Ratio Lower Upper
 248 100
 250 207.1 78.1 117.1#
 141 399.1 49.6 74.4#

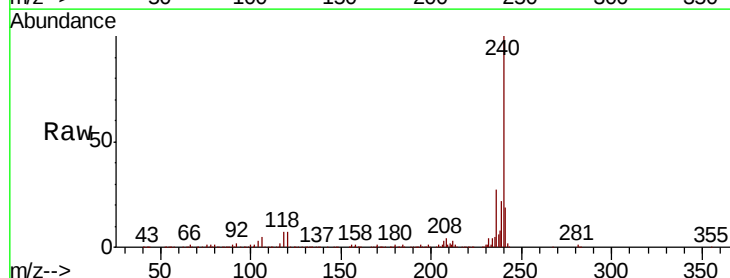


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

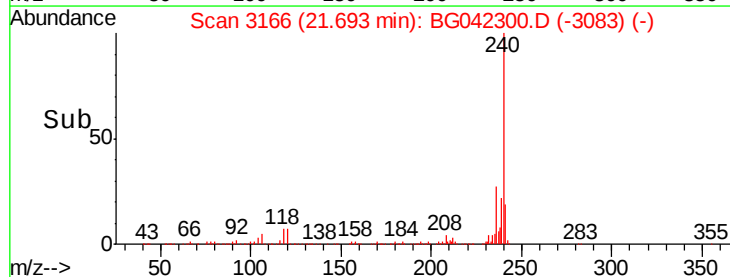
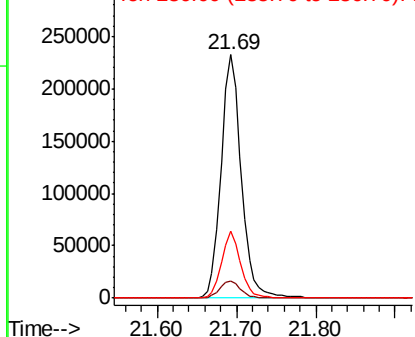


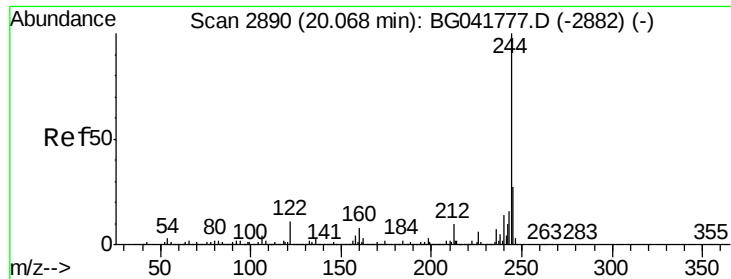
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.04 min
 Lab File: BG042300.D
 Acq: 17 Aug 2019 23:47

Tgt Ion:240 Resp: 410333
 Ion Ratio Lower Upper
 240 100
 120 7.1 8.0 12.0#
 236 27.5 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: 108.171 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.04 min

Lab File: BG042300.D

Acq: 17 Aug 2019 23:47

Instrument :

BNA_G

ClientSampleId :

OR-02-081519

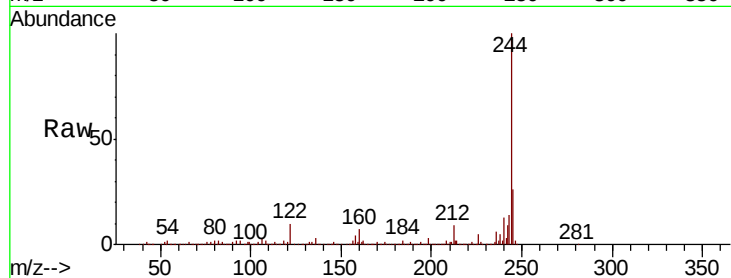
Tgt Ion:244 Resp: 1939735

Ion Ratio Lower Upper

244 100

212 8.6 9.7 14.5#

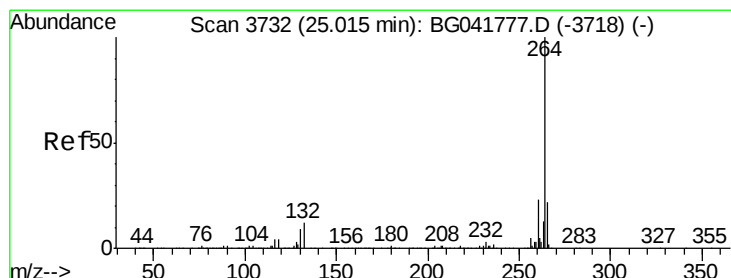
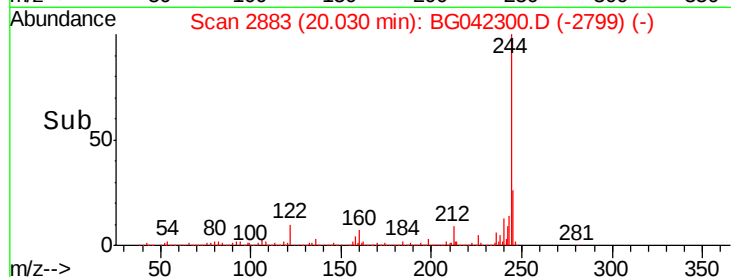
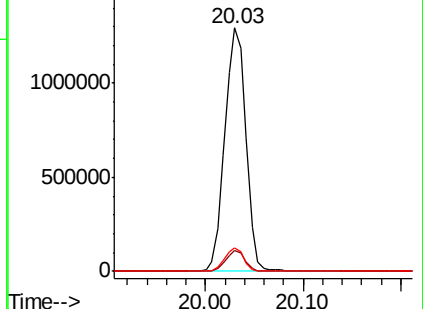
122 9.7 12.5 18.7#



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# 3718

Delta R.T. -0.08 min

Lab File: BG042300.D

Acq: 17 Aug 2019 23:47

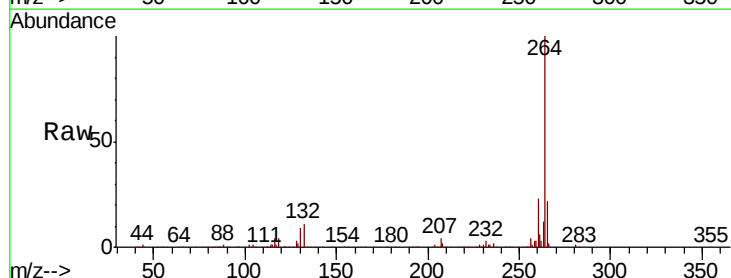
Tgt Ion:264 Resp: 474642

Ion Ratio Lower Upper

264 100

260 22.8 19.5 29.3

265 21.8 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

