

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042303.D
 Acq On : 18 Aug 2019 1:43
 Operator : HP/JU
 Sample : K4322-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-3

Quant Time: Aug 19 06:02:37 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

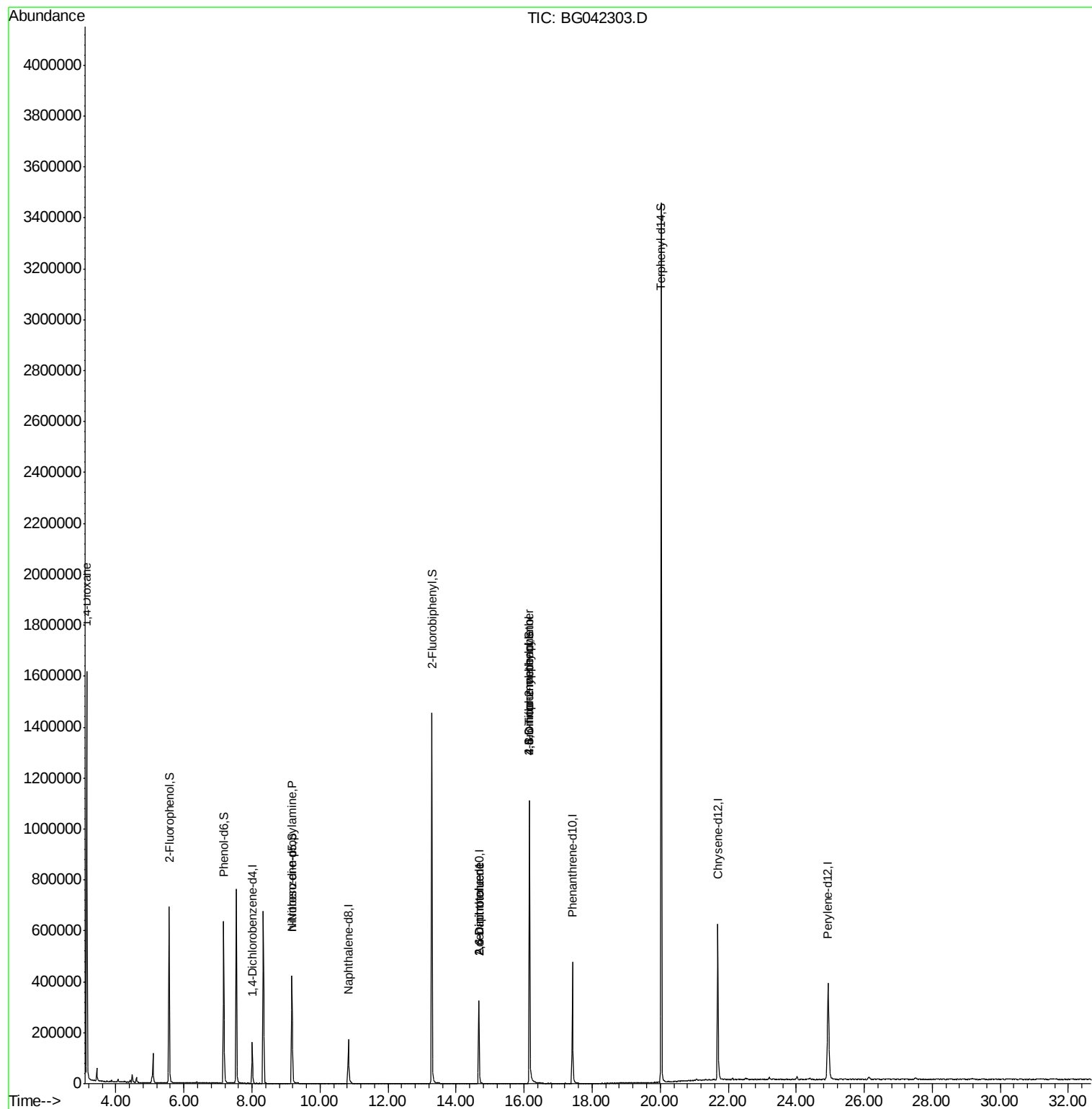
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	54793	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	203951	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	148626	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	361918	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	428257	20.00	ng	-0.05
87) Perylene-d12	24.94	264	482410	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	354581	125.91	ng	-0.03
7) Phenol-d6	7.17	99	440322	115.97	ng	-0.03
23) Nitrobenzene-d5	9.18	82	287575	97.03	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	287346	170.21	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	901145	106.94	ng	-0.04
79) Terphenyl-d14	20.03	244	1805557	96.47	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	16240	12.252	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	36791	13.347	ng	# 66
51) 2,6-Dinitrotoluene	14.66	165	19496	9.185	ng	# 25
57) 2,4-Dinitrotoluene	14.66	165	19497	6.680	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.16	198	530	7.109	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	19602	4.397	ng	# 1

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

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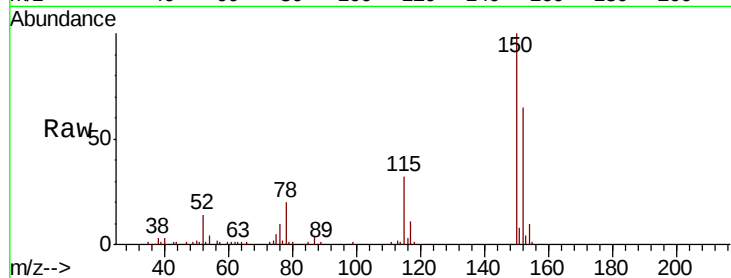


#1

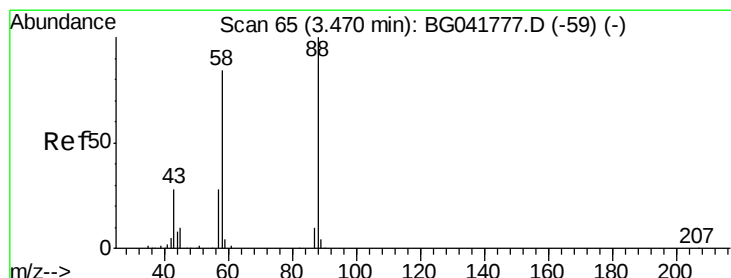
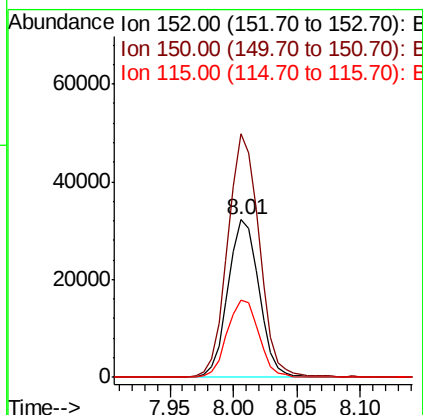
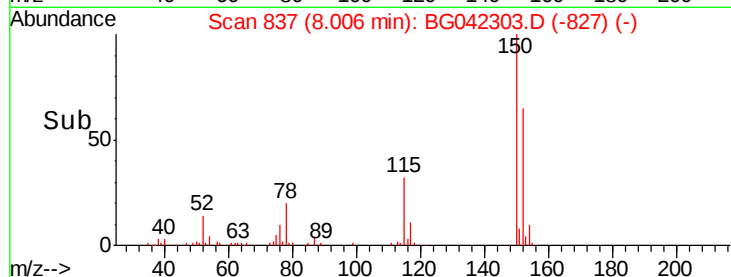
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042303.D
Acq: 18 Aug 2019 1:43

Instrument :
BNA_G
ClientSampleId :
SP-3

Tgt Ion:152 Resp: 54793
Ion Ratio Lower Upper
152 100
150 154.4 126.9 190.3
115 48.8 45.0 67.6



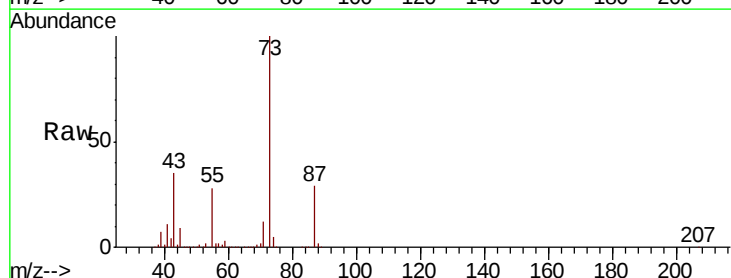
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



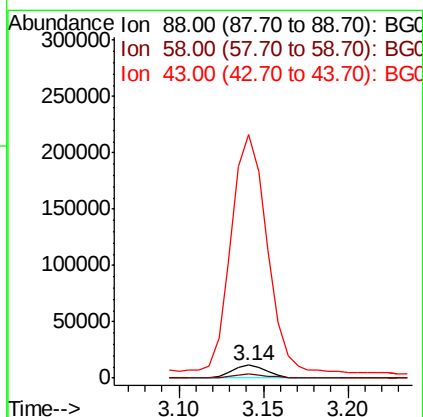
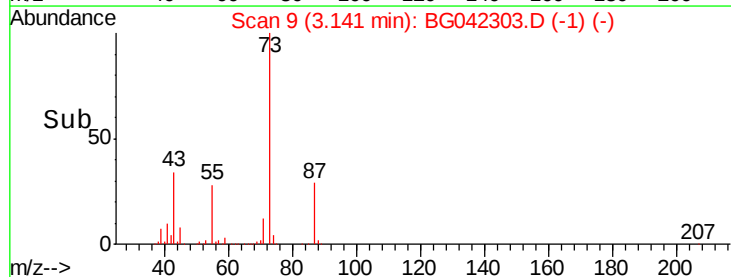
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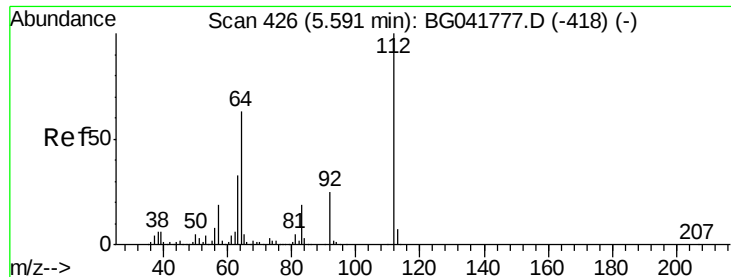
1,4-Dioxane
Concen: 12.252 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.33 min
Lab File: BG042303.D
Acq: 18 Aug 2019 1:43

Tgt Ion: 88 Resp: 16240
Ion Ratio Lower Upper
88 100
58 25.5 76.2 114.2#
43 1974.8 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: 125.907 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042303.D

Acq: 18 Aug 2019 1:43

Instrument :

BNA_G

ClientSampleId :

SP-3

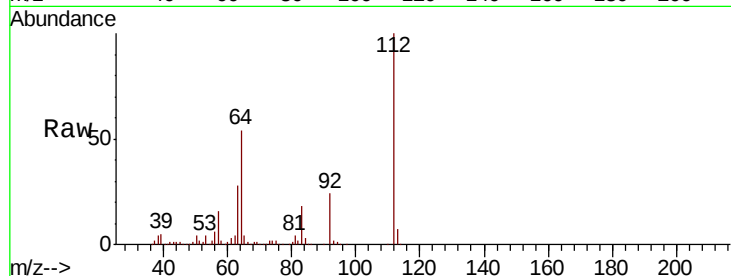
Tgt Ion: 112 Resp: 354581

Ion Ratio Lower Upper

112 100

64 53.8 55.4 83.2#

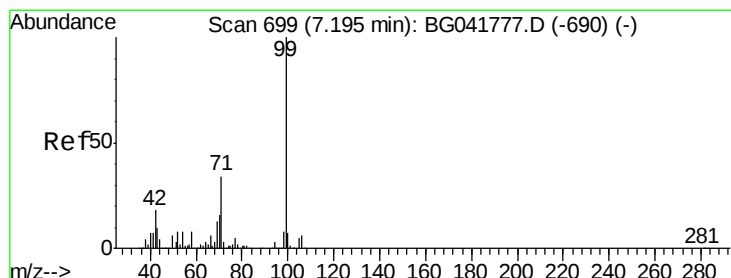
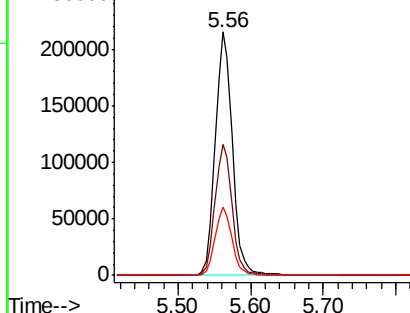
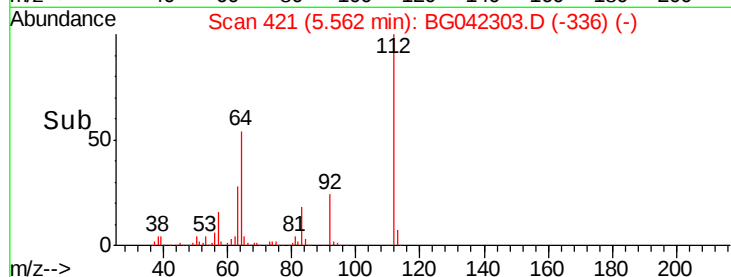
63 28.0 29.1 43.7#



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: 115.974 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042303.D

Acq: 18 Aug 2019 1:43

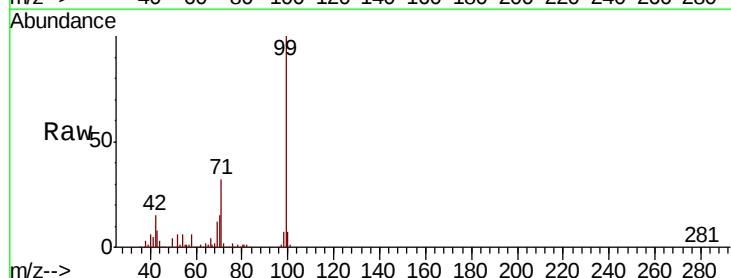
Tgt Ion: 99 Resp: 440322

Ion Ratio Lower Upper

99 100

42 14.6 17.6 26.4#

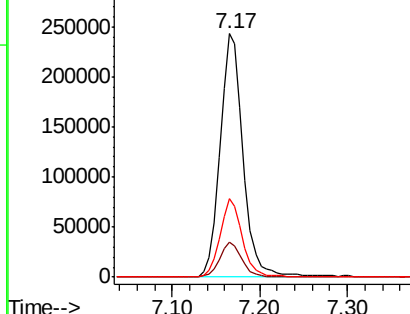
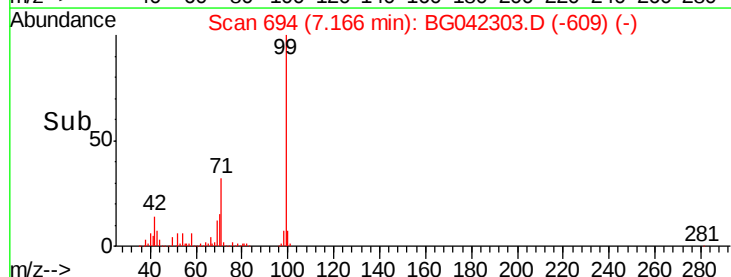
71 32.0 27.8 41.6

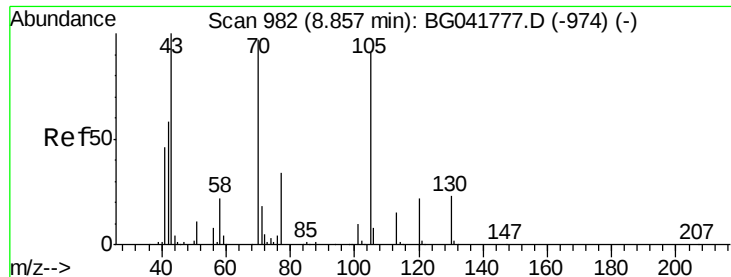


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

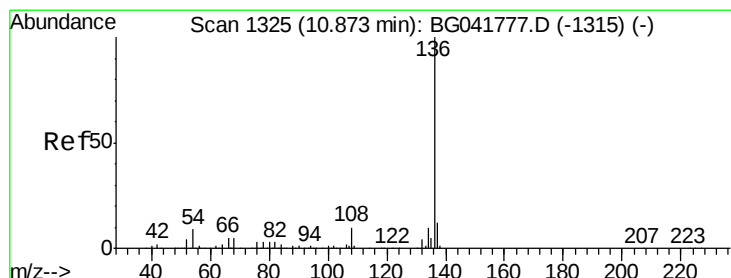
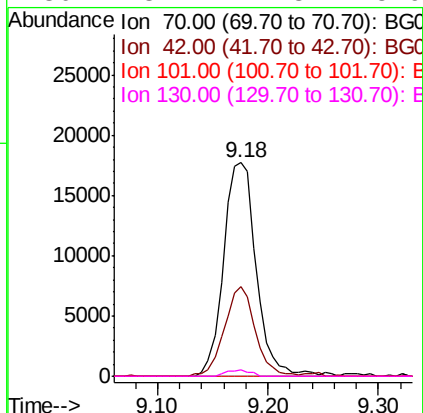
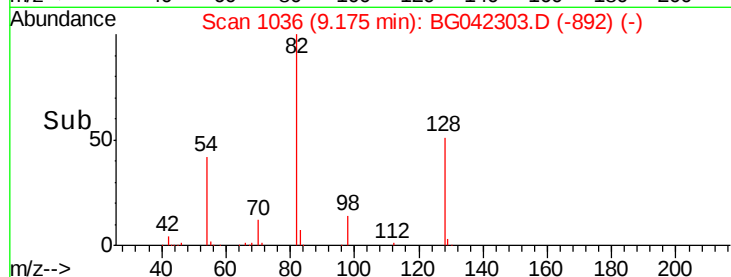
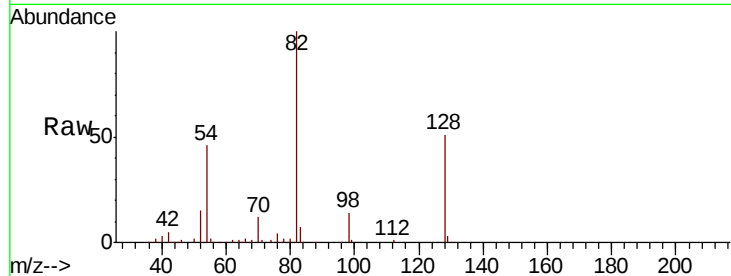




#19
n-Nitroso-di-n-propylamine
Concen: 13.347 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.32 min
Lab File: BG042303.D
Acq: 18 Aug 2019 1:43

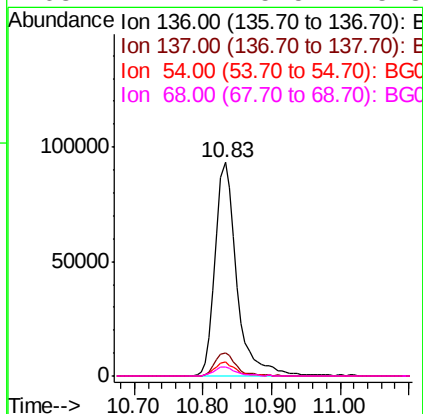
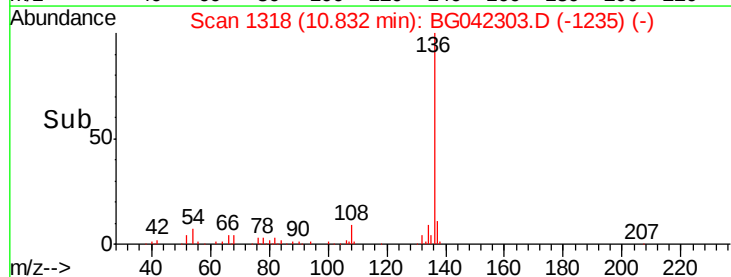
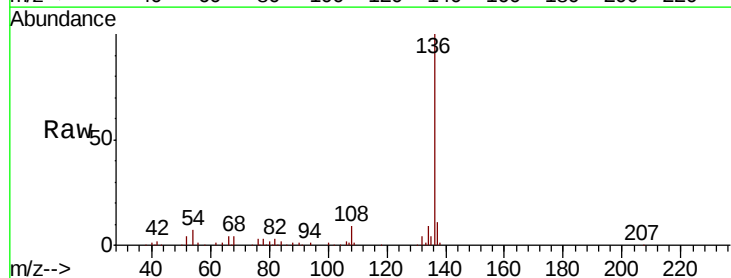
Instrument :
BNA_G
ClientSampled :
SP-3

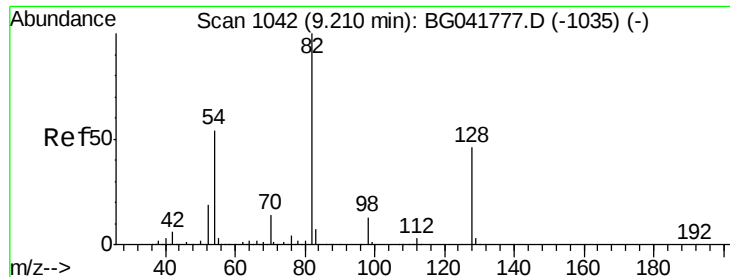
Tgt Ion: 70 Resp: 36791
Ion Ratio Lower Upper
70 100
42 41.8 55.8 83.6#
101 0.0 8.1 12.1#
130 3.1 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042303.D
Acq: 18 Aug 2019 1:43

Tgt Ion: 136 Resp: 203951
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 6.7 8.7 13.1#
68 4.4 5.5 8.3#





#23

Nitrobenzene-d5

Concen: 97.032 ng

RT: 9.18 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BG042303.D

Acq: 18 Aug 2019 1:43

Instrument :

BNA_G

ClientSampled :

SP-3

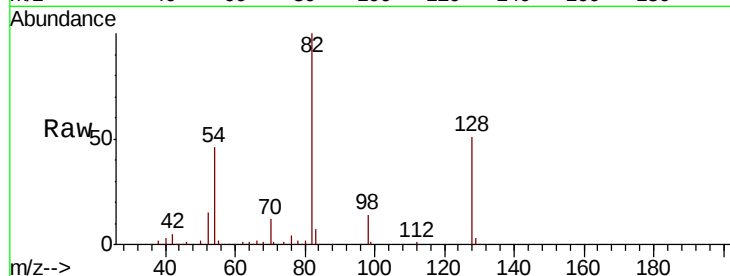
Tgt Ion: 82 Resp: 287575

Ion Ratio Lower Upper

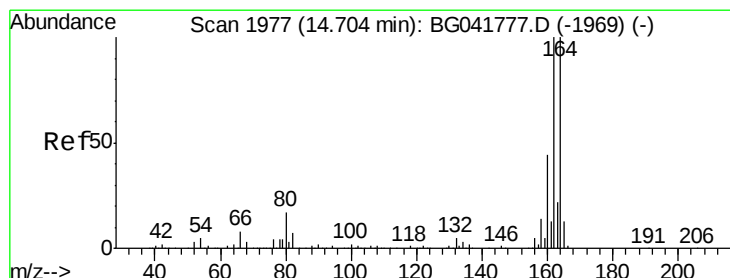
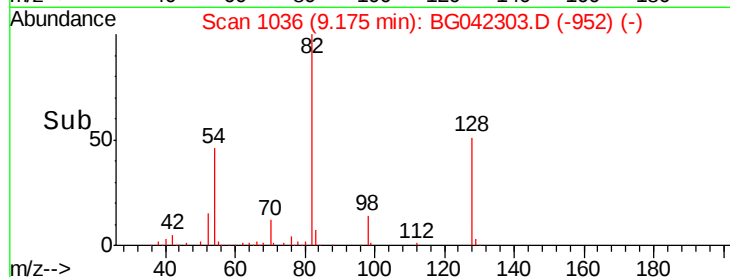
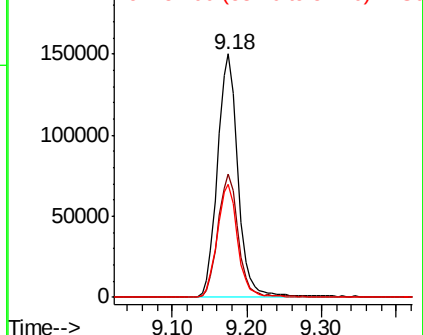
82 100

128 50.7 35.1 52.7

54 46.2 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# 1971

Delta R.T. -0.03 min

Lab File: BG042303.D

Acq: 18 Aug 2019 1:43

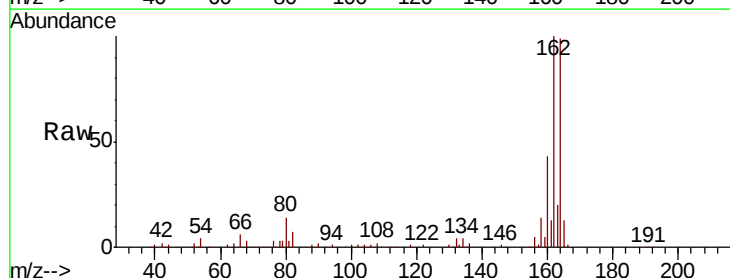
Tgt Ion: 164 Resp: 148626

Ion Ratio Lower Upper

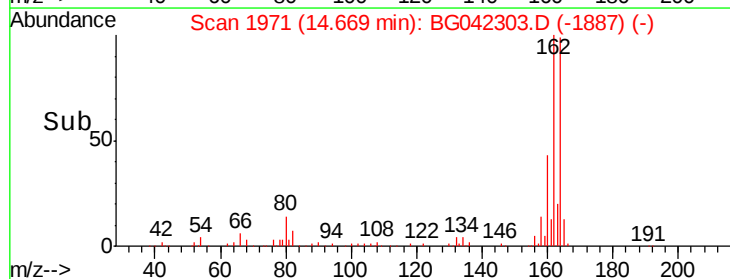
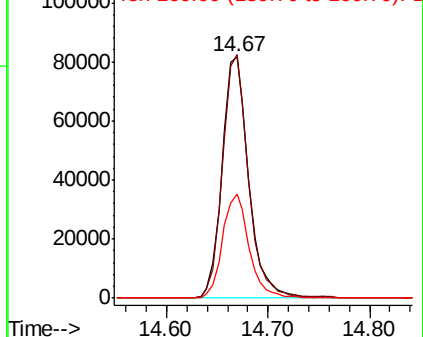
164 100

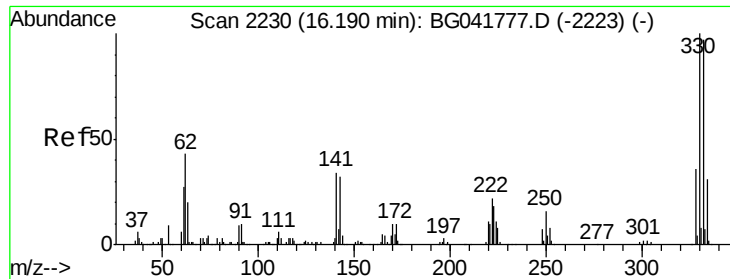
162 100.7 79.6 119.4

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

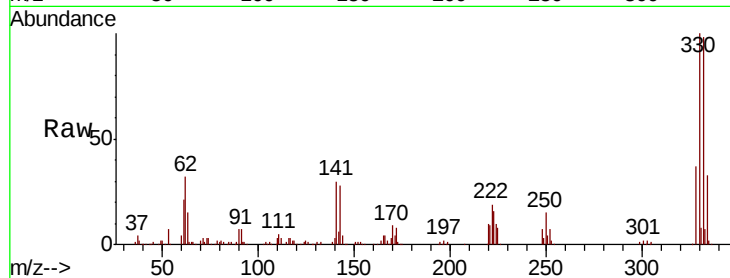




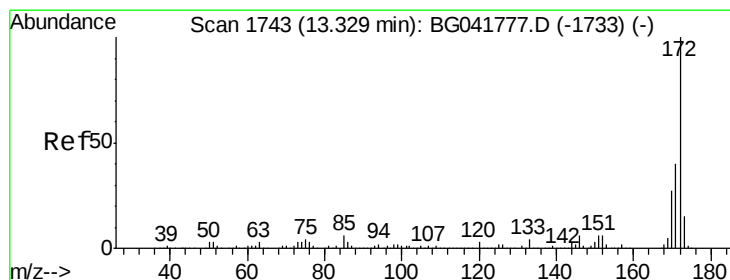
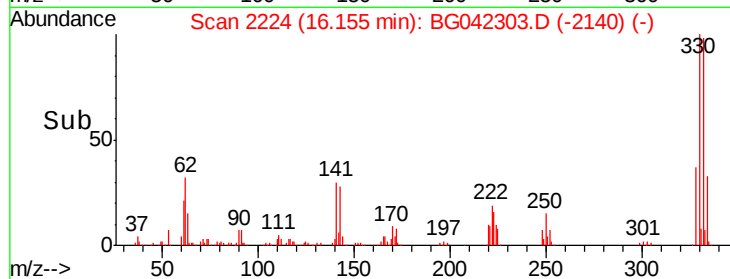
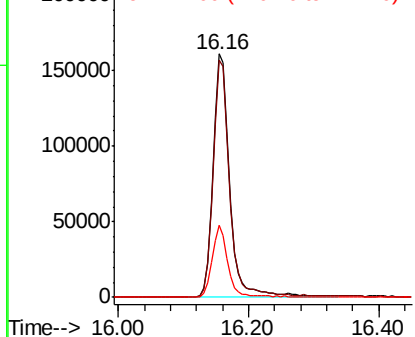
#42
 2,4,6-Tribromophenol
 Concen: 170.210 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.03 min
 Lab File: BG042303.D
 Acq: 18 Aug 2019 1:43

Instrument :
 BNA_G
 ClientSampleId :
 SP-3

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.0
141	27.4	31.9	47.9#

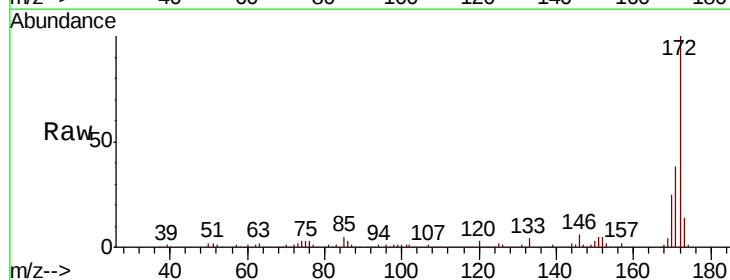


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

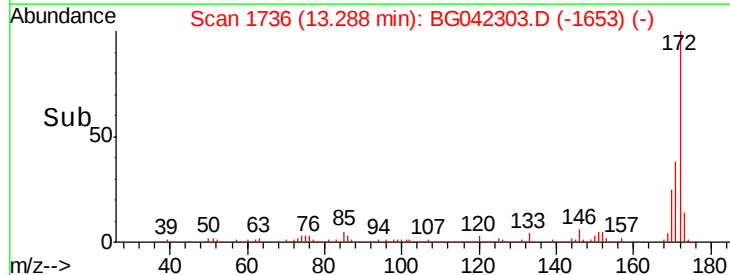
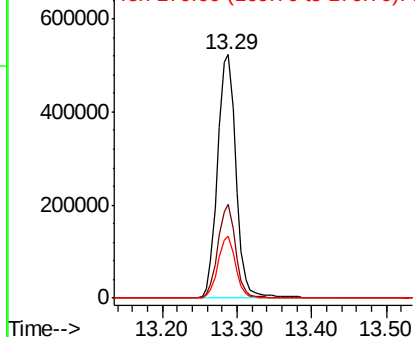


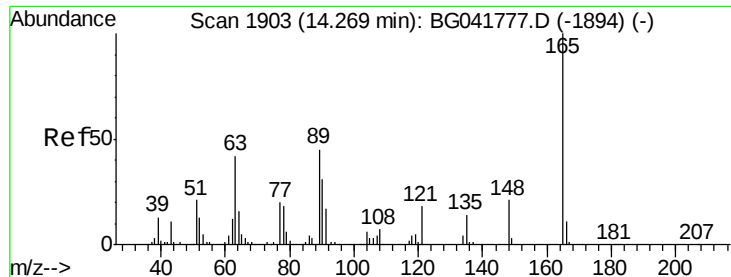
#45
 2-Fluorobiphenyl
 Concen: 106.938 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042303.D
 Acq: 18 Aug 2019 1:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	35.0	52.4
170	25.4	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

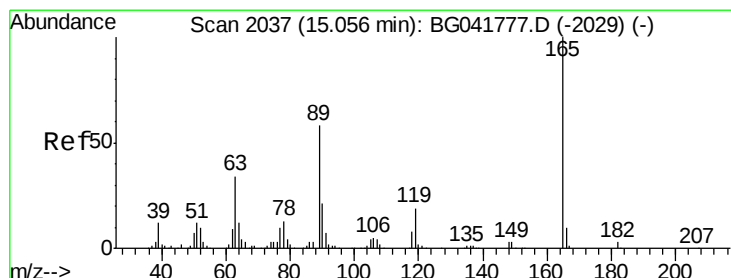
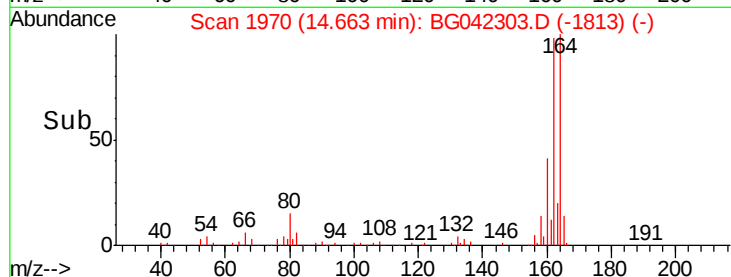
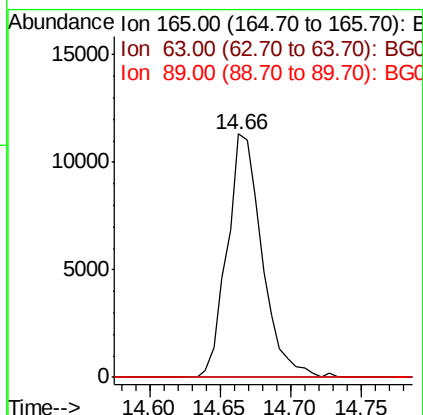
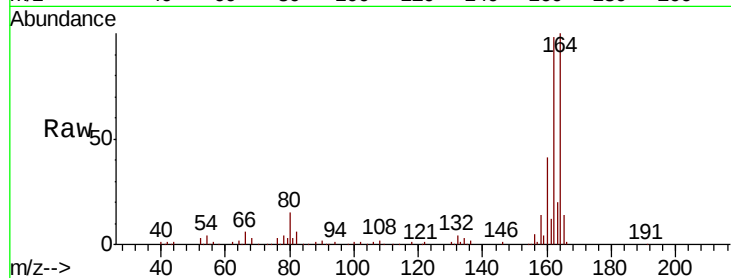




#51
 2,6-Dinitrotoluene
 Concen: 9.185 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.39 min
 Lab File: BG042303.D
 Acq: 18 Aug 2019 1:43

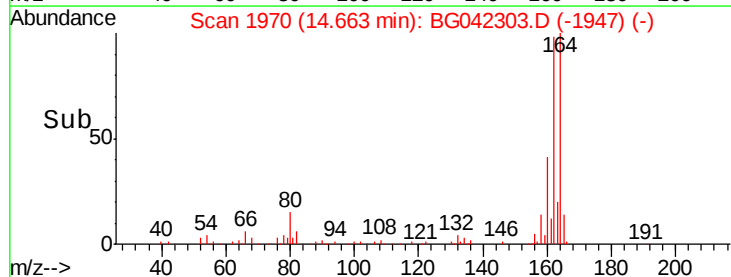
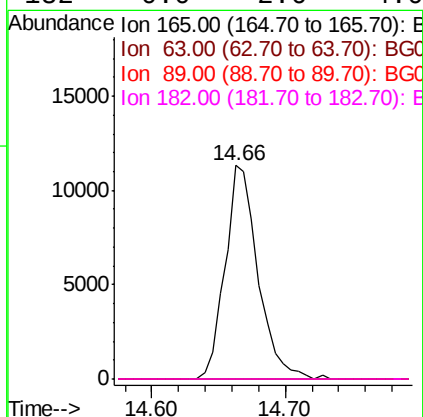
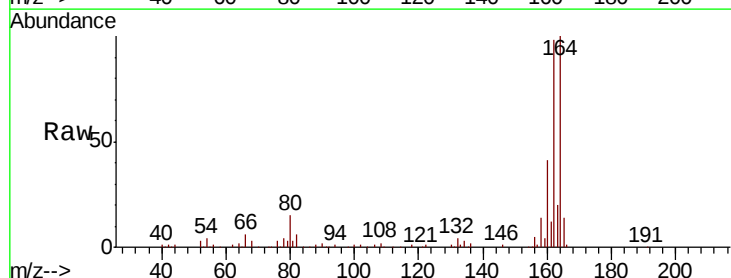
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 ClientSampled :
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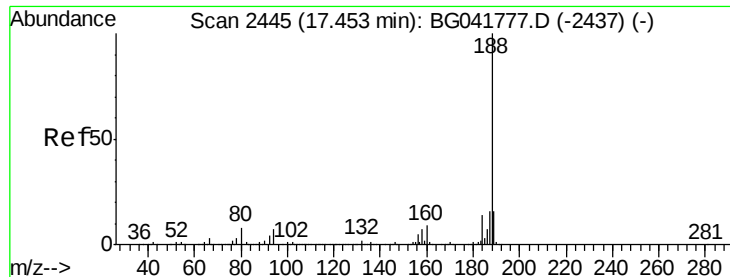
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.680 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042303.D
 Acq: 18 Aug 2019 1:43

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#

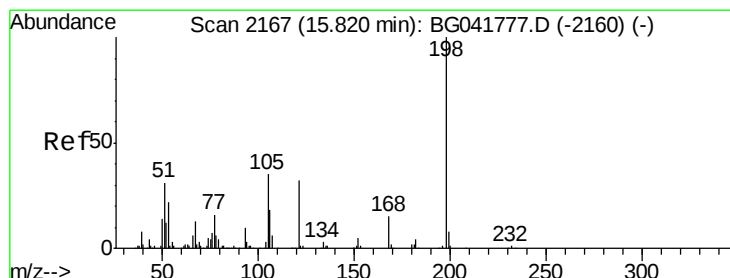
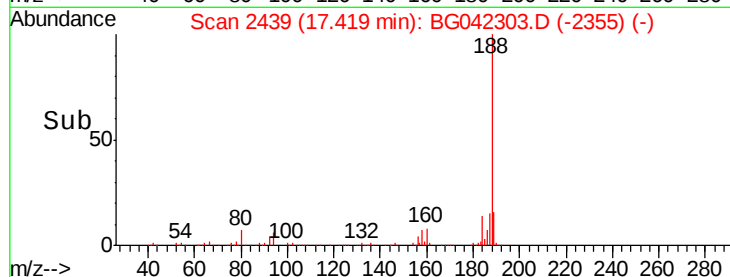
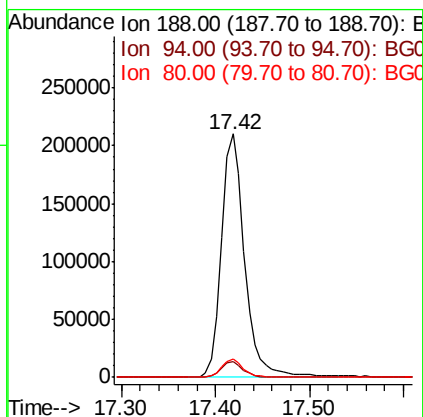
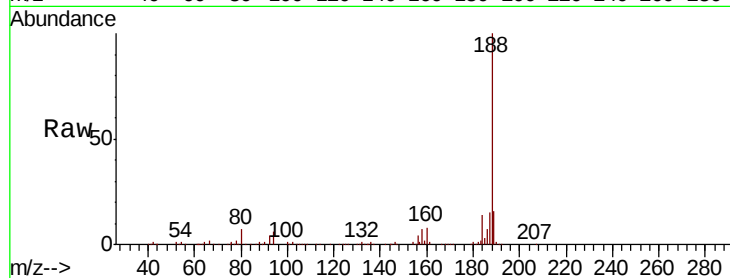




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.03 min
Lab File: BG042303.D
Acq: 18 Aug 2019 1:43

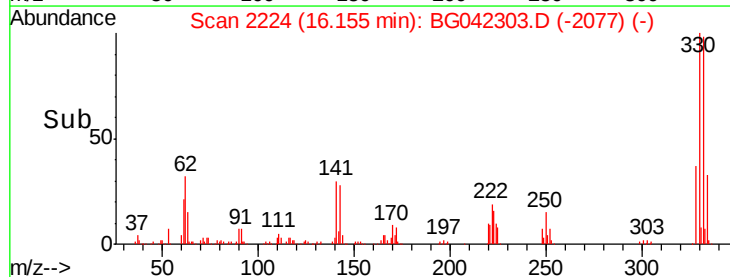
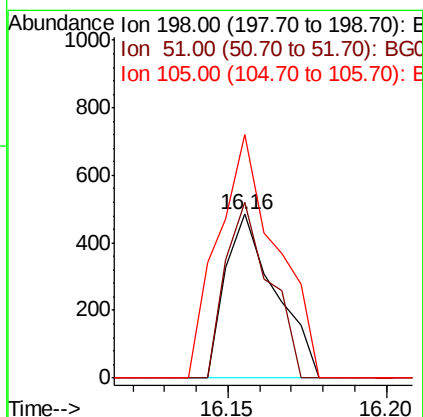
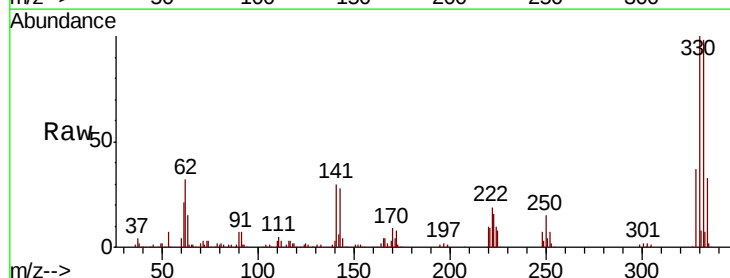
Instrument :
BNA_G
ClientSampled :
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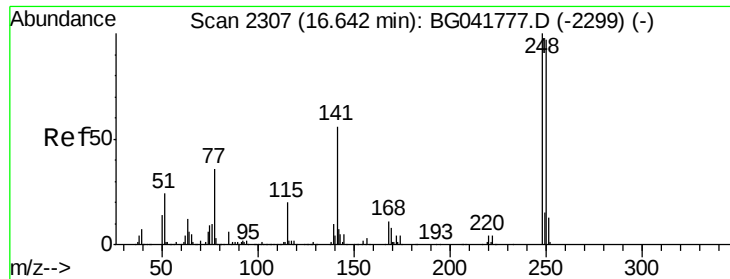
Tgt Ion:188 Resp: 361918
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 7.4 8.0 12.0#



#65
4,6-Dinitro-2-methylphenol
Concen: 7.109 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.34 min
Lab File: BG042303.D
Acq: 18 Aug 2019 1:43

Tgt Ion:198 Resp: 530
Ion Ratio Lower Upper
198 100
51 107.4 22.3 62.3#
105 148.7 18.0 58.0#

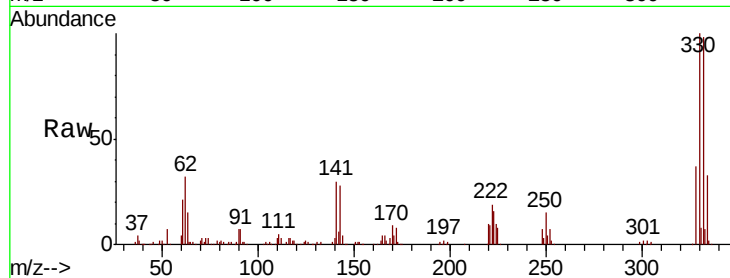




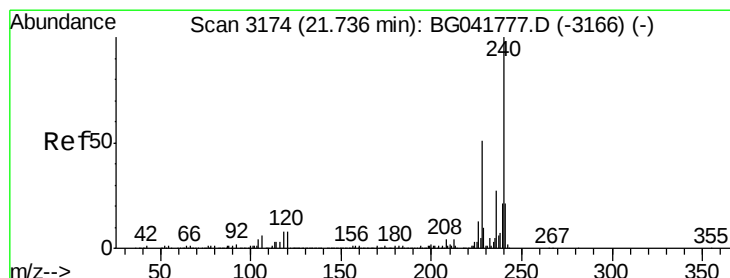
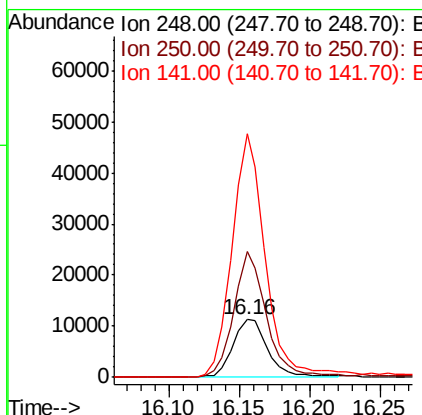
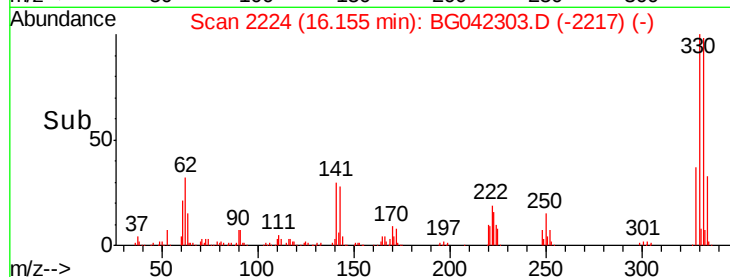
#67
 4-Bromophenyl-phenylether
 Concen: 4.397 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042303.D
 Acq: 18 Aug 2019 1:43

Instrument :
 BNA_G
 ClientSampleId :
 SP-3

Tgt Ion:248 Resp: 19602
 Ion Ratio Lower Upper
 248 100
 250 220.3 78.1 117.1#
 141 424.1 49.6 74.4#

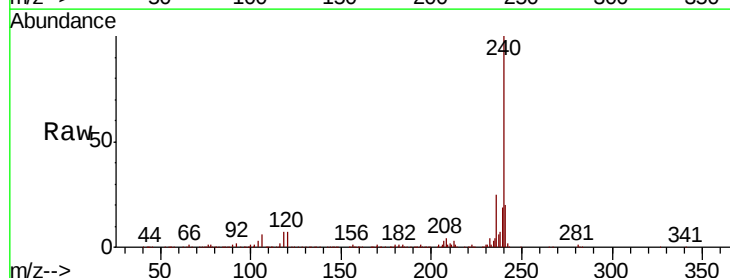


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

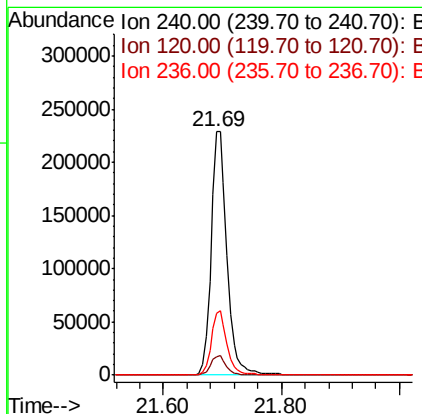
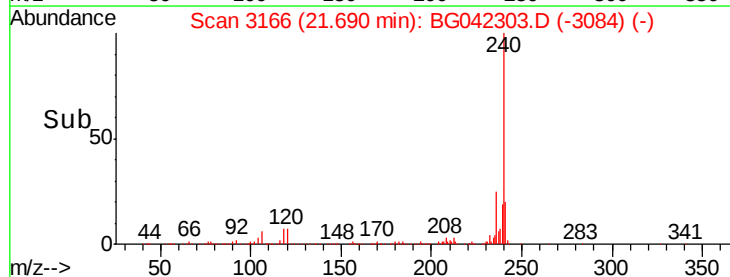


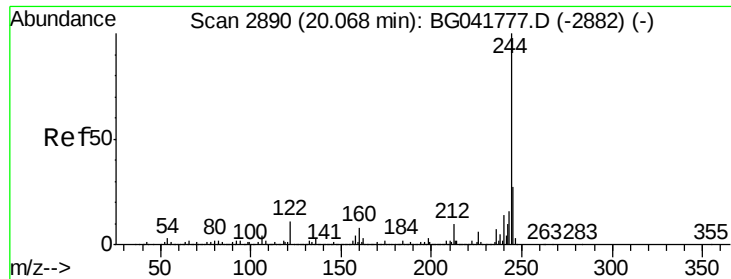
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.05 min
 Lab File: BG042303.D
 Acq: 18 Aug 2019 1:43

Tgt Ion:240 Resp: 428257
 Ion Ratio Lower Upper
 240 100
 120 7.4 8.0 12.0#
 236 25.5 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: 96.474 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042303.D

Acq: 18 Aug 2019 1:43

Instrument :

BNA_G

ClientSampleId :

SP-3

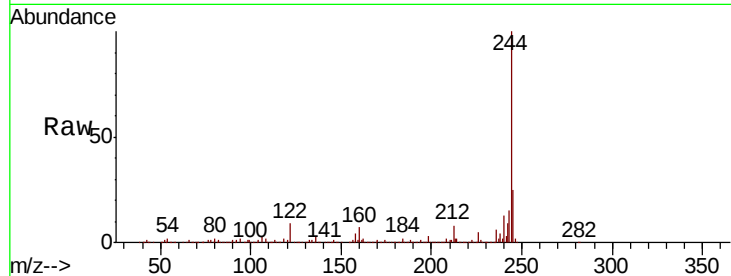
Tgt Ion:244 Resp: 1805557

Ion Ratio Lower Upper

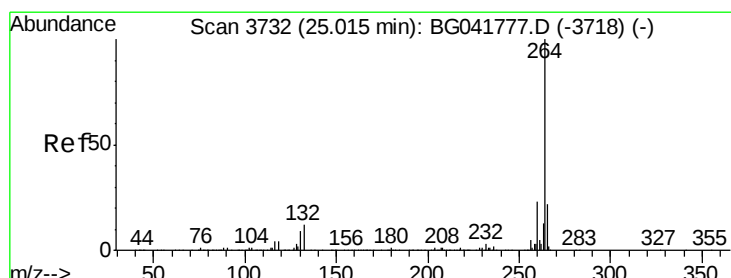
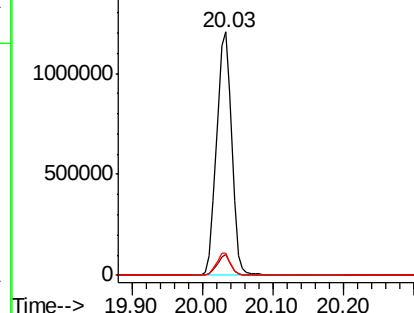
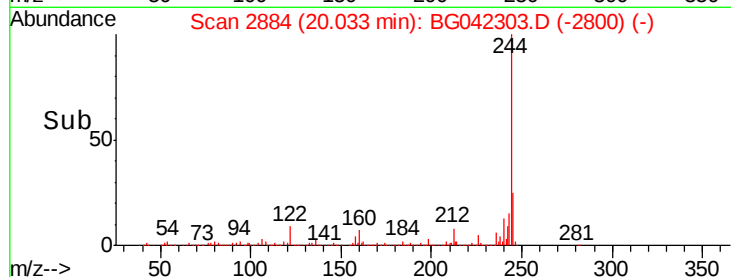
244 100

212 8.4 9.7 14.5#

122 9.2 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. -0.08 min

Lab File: BG042303.D

Acq: 18 Aug 2019 1:43

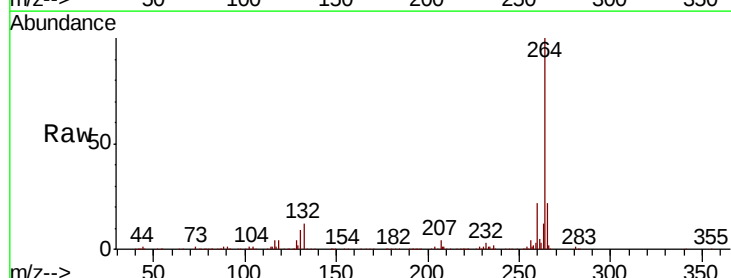
Tgt Ion:264 Resp: 482410

Ion Ratio Lower Upper

264 100

260 22.3 19.5 29.3

265 22.1 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

