

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
 Data File : BG041671.D
 Acq On : 16 Jul 2019 16:59
 Operator : HP/JU
 Sample : K3620-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 17 01:39:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	97528	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	403104	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	254262	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	614014	20.00	ng	0.00
76) Chrysene-d12	21.65	240	614640	20.00	ng	-0.01
87) Perylene-d12	24.85	264	694236	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	684471	114.73	ng	0.00
7) Phenol-d6	7.20	99	880014	109.67	ng	0.00
23) Nitrobenzene-d5	9.21	82	637931	96.24	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	412118	143.82	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1491352	90.83	ng	0.00
79) Terphenyl-d14	20.01	244	2370042	90.11	ng	0.00

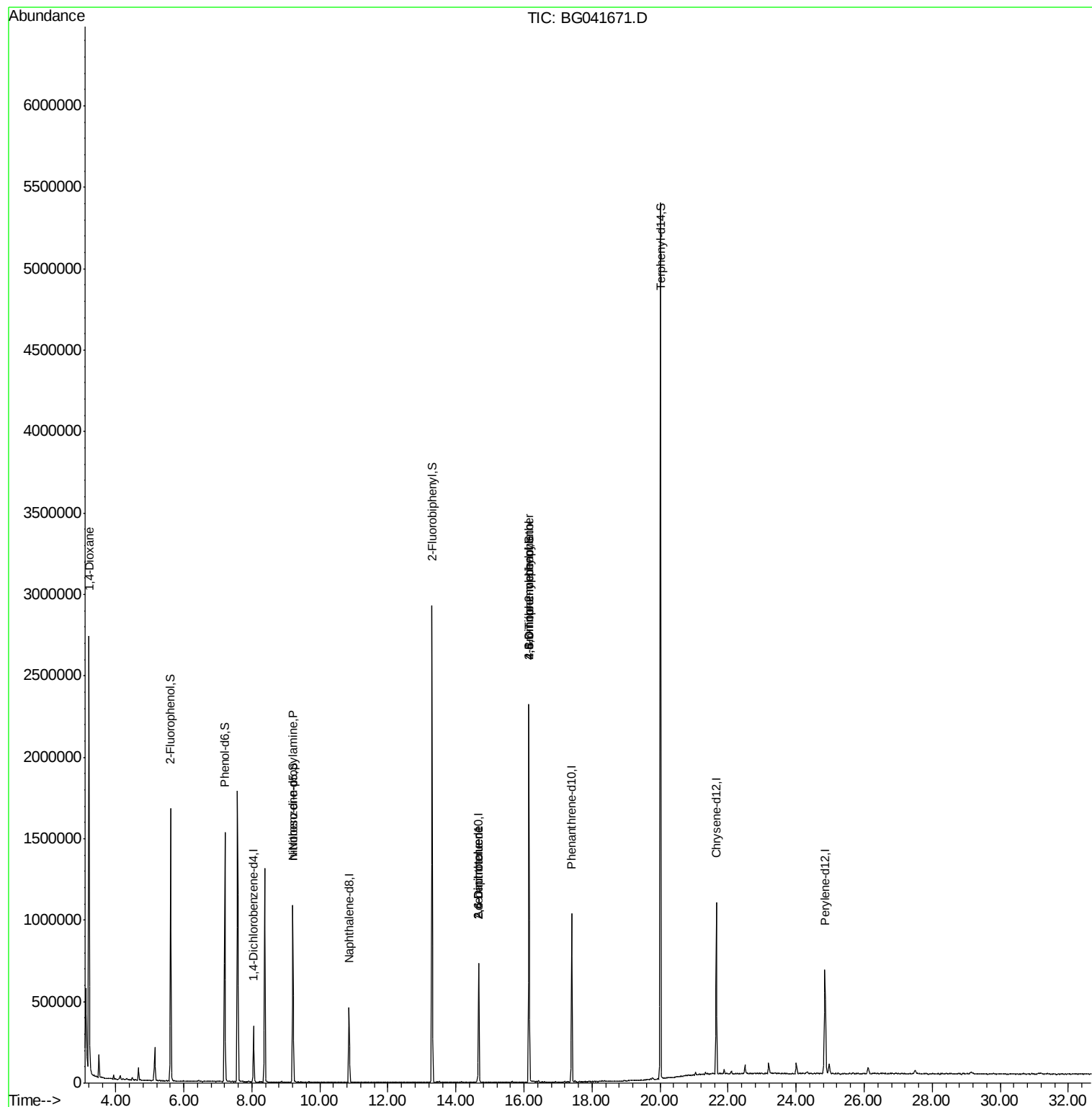
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	26174	9.237	ng	# 1
9) Benzaldehyde	7.19	77	2267	Below Cal		# 25
19) n-Nitroso-di-n-propylamine	9.21	70	87315	14.887	ng	# 71
51) 2,6-Dinitrotoluene	14.67	165	33203	7.839	ng	# 28
57) 2,4-Dinitrotoluene	14.67	165	33203	5.930	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.15	198	1257	7.045	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	32805	4.490	ng	# 1

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

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

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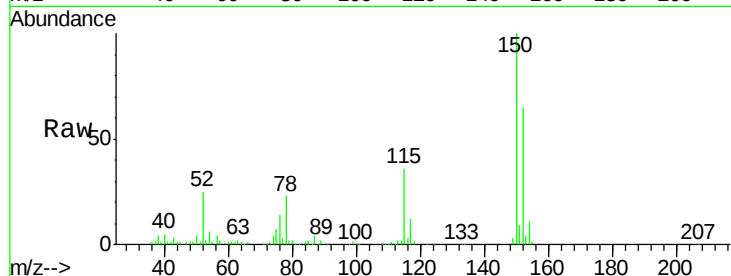


#1

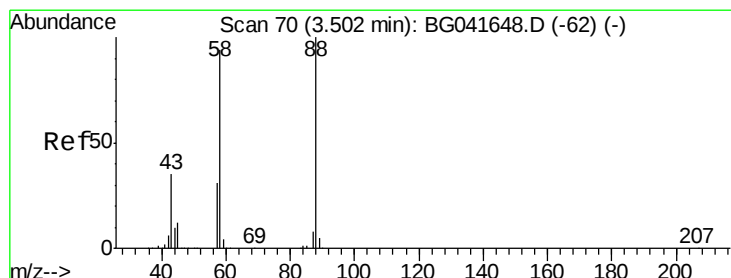
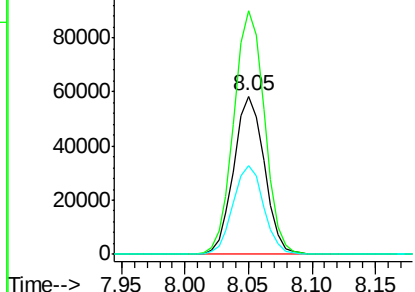
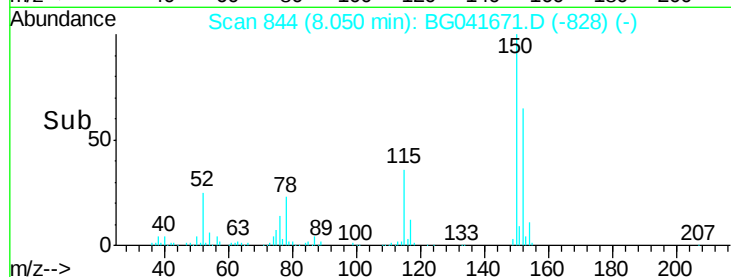
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG041671.D
Acq: 16 Jul 2019 16:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 97528
Ion Ratio Lower Upper
152 100
150 153.7 126.9 190.3
115 55.7 45.0 67.6



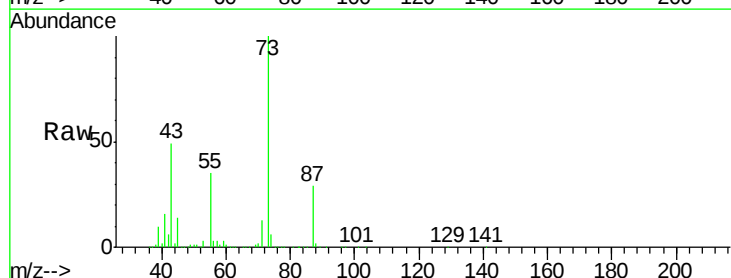
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



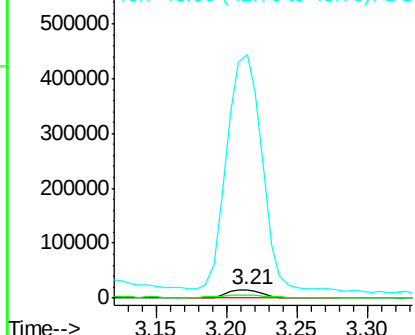
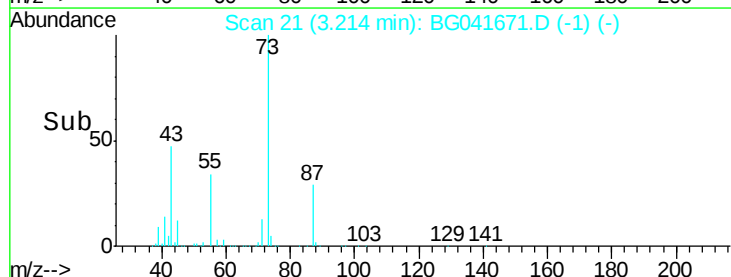
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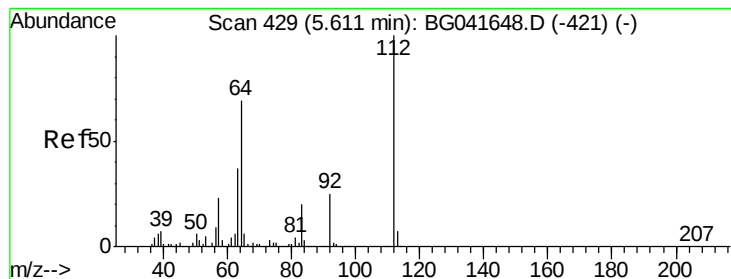
1,4-Dioxane
Concen: 9.237 ng
RT: 3.21 min Scan# 21
Delta R.T. -0.28 min
Lab File: BG041671.D
Acq: 16 Jul 2019 16:59

Tgt Ion: 88 Resp: 26174
Ion Ratio Lower Upper
88 100
58 31.1 76.2 114.2#
43 2932.5 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: 114.730 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG041671.D

Acq: 16 Jul 2019 16:59

Instrument :

BNA_G

ClientSampleId :

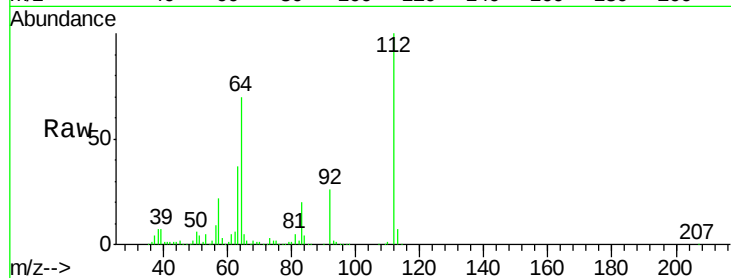
Tot Ion:112 Resp: 684471

Ion Ratio Lower Upper

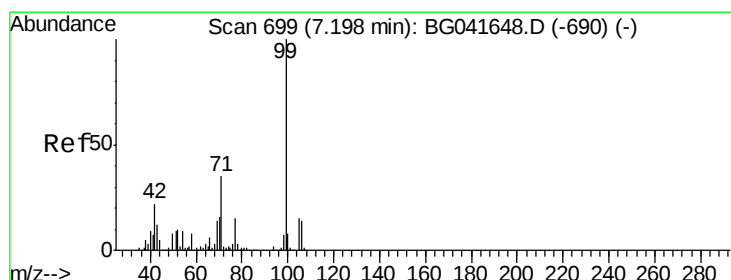
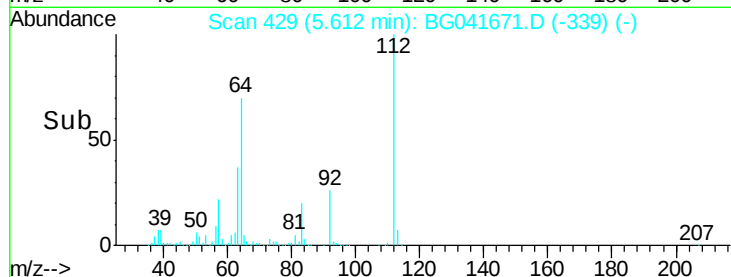
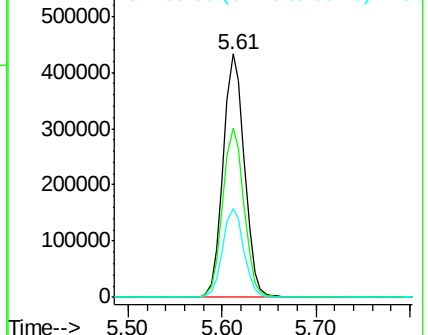
112 100

64 69.8 55.4 83.2

63 36.5 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: 109.667 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041671.D

Acq: 16 Jul 2019 16:59

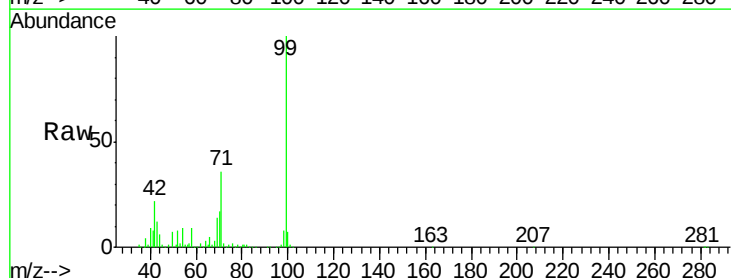
Tgt Ion: 99 Resp: 880014

Ion Ratio Lower Upper

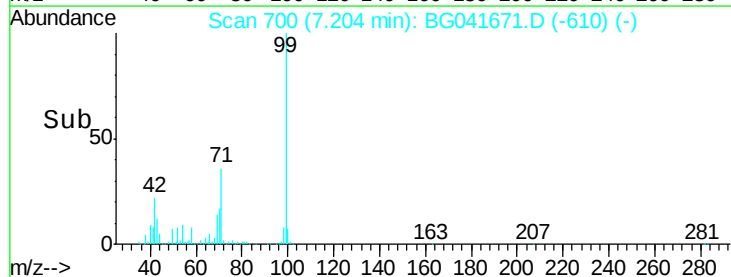
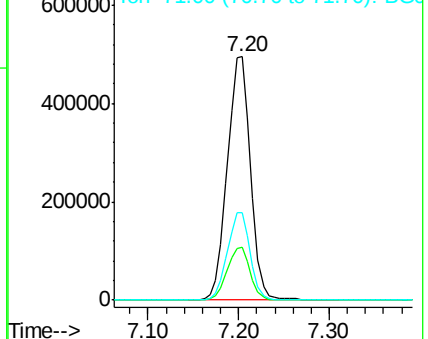
99 100

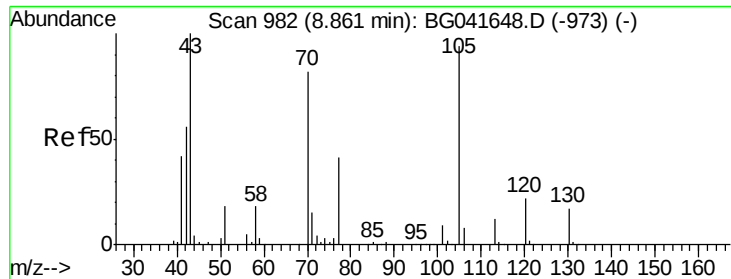
42 21.7 17.6 26.4

71 35.7 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

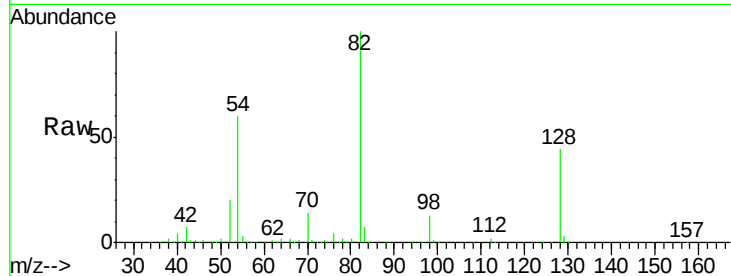




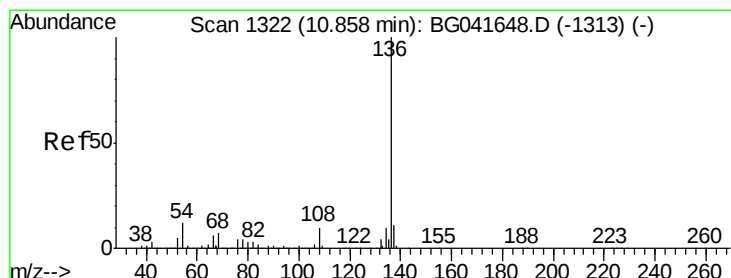
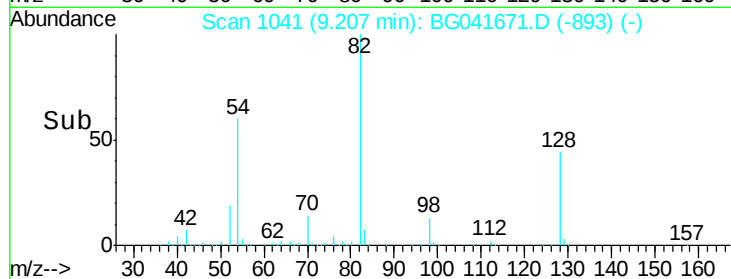
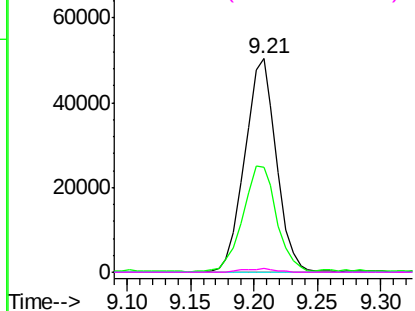
#19
n-Nitroso-di-n-propylamine
Concen: 14.887 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.34 min
Lab File: BG041671.D
Acq: 16 Jul 2019 16:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 87315
Ion Ratio Lower Upper
70 100
42 48.9 55.8 83.6#
101 0.0 8.1 12.1#
130 1.9 17.3 25.9#

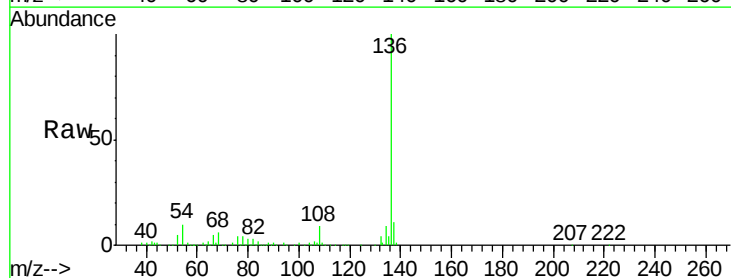


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

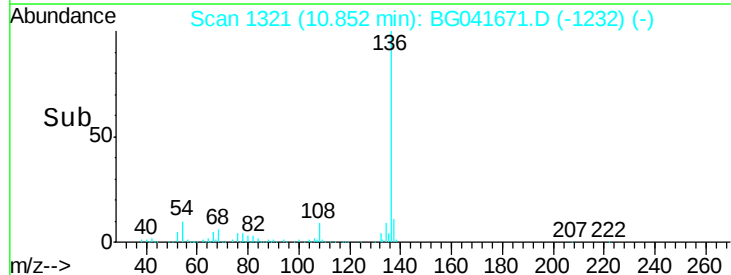
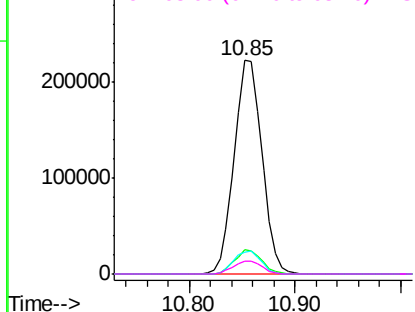


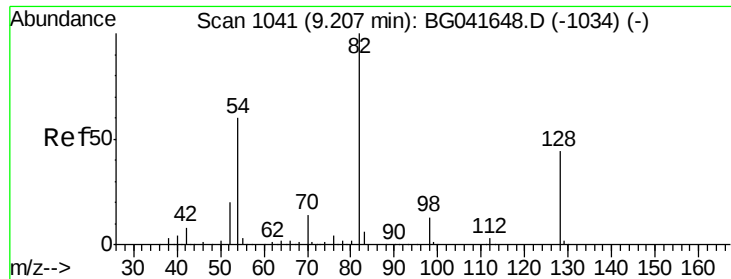
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BG041671.D
Acq: 16 Jul 2019 16:59

Tgt Ion: 136 Resp: 403104
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 10.1 8.7 13.1
68 6.1 5.5 8.3



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

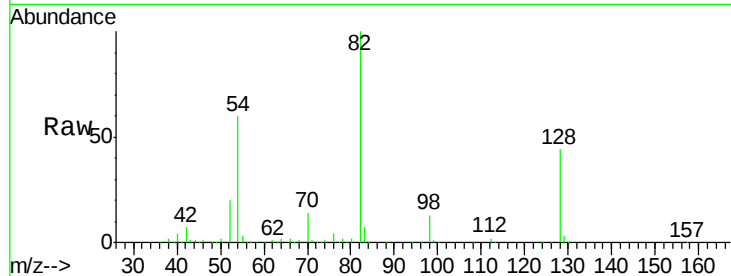




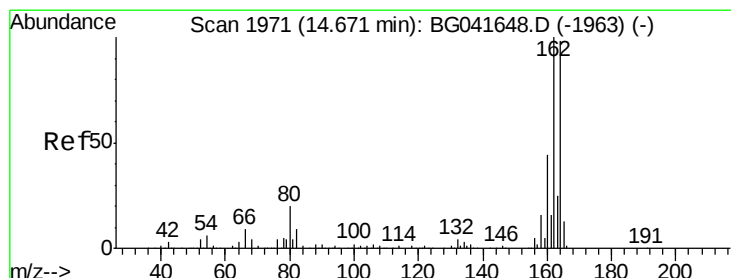
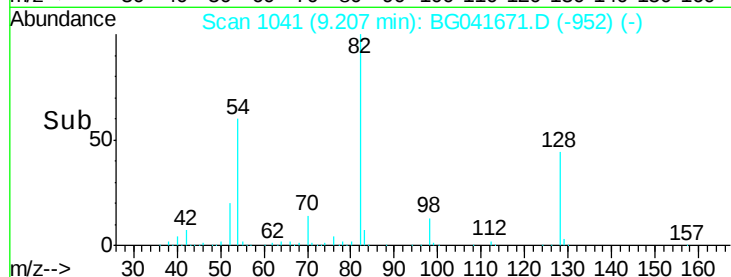
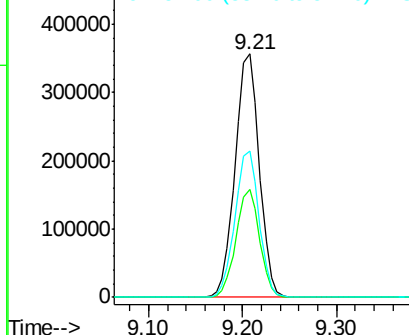
#23
 Nitrobenzene-d5
 Concen: 96.243 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG041671.D
 Acq: 16 Jul 2019 16:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 637931
 Ion Ratio Lower Upper
 82 100
 128 44.3 35.1 52.7
 54 60.3 48.7 73.1

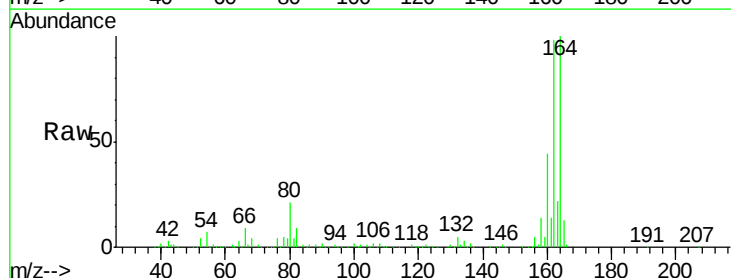


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

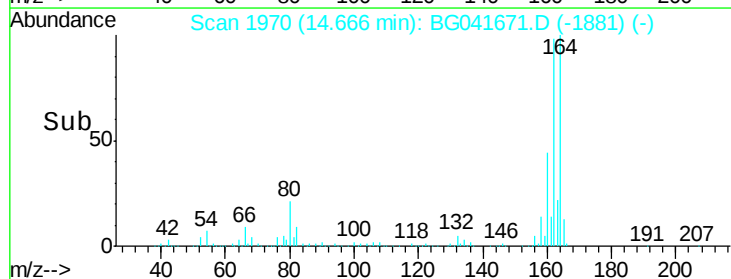
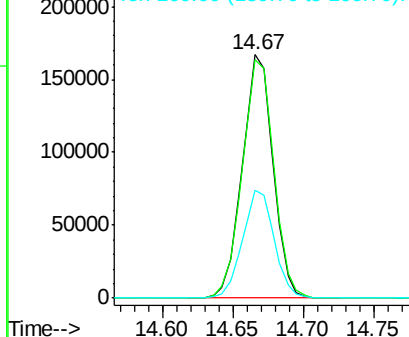


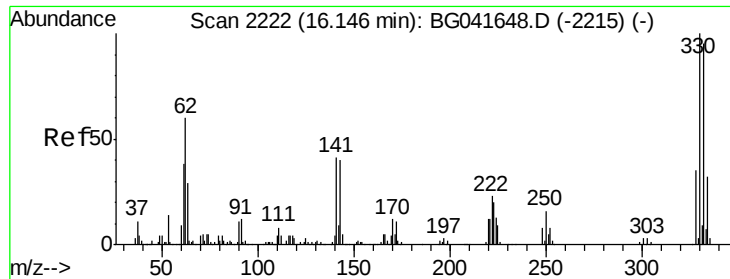
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BG041671.D
 Acq: 16 Jul 2019 16:59

Tgt Ion: 164 Resp: 254262
 Ion Ratio Lower Upper
 164 100
 162 97.9 79.6 119.4
 160 44.4 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

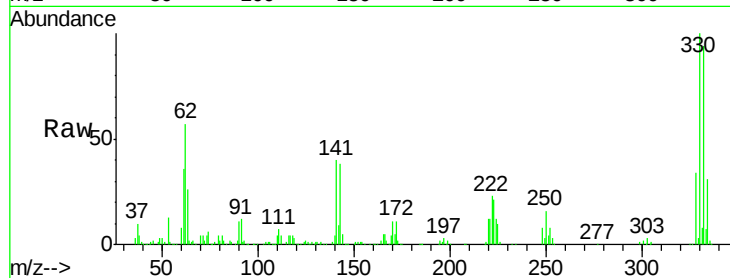




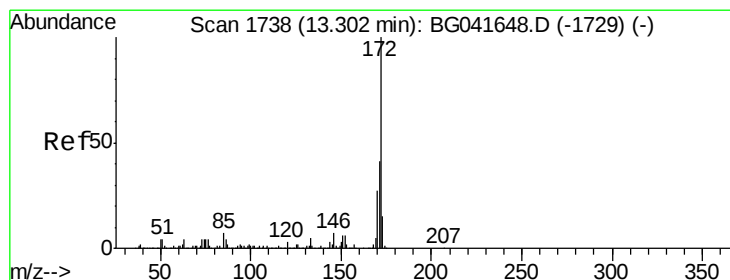
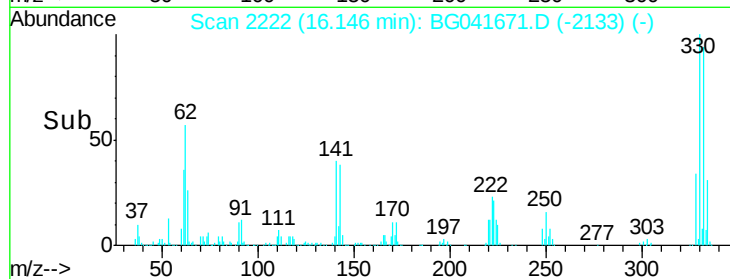
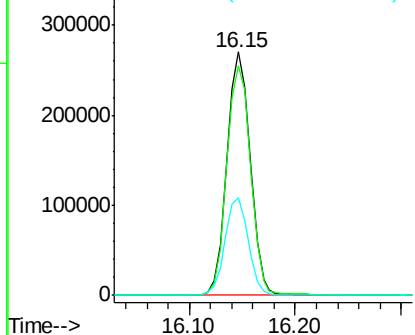
#42
 2,4,6-Tribromophenol
 Concen: 143.821 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG041671.D
 Acq: 16 Jul 2019 16:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	40.2	31.9	47.9

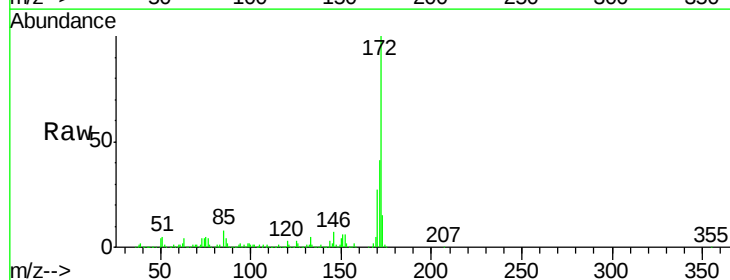


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

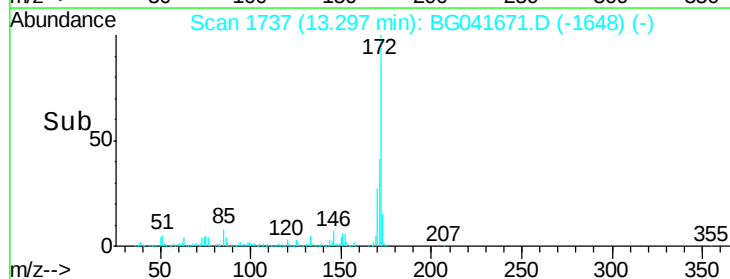
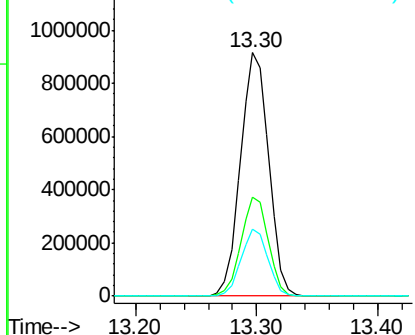


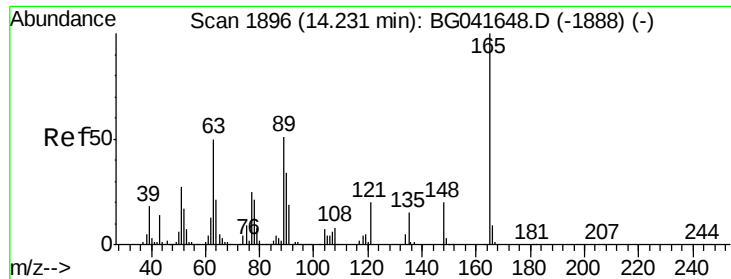
#45
 2-Fluorobiphenyl
 Concen: 90.826 ng
 RT: 13.30 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041671.D
 Acq: 16 Jul 2019 16:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.8	35.0	52.4
170	27.3	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

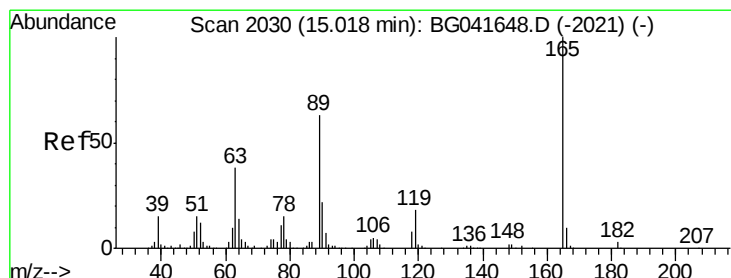
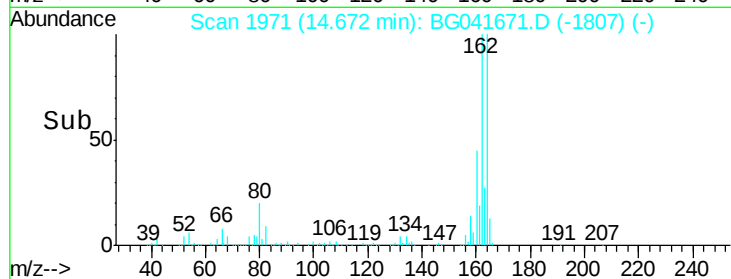
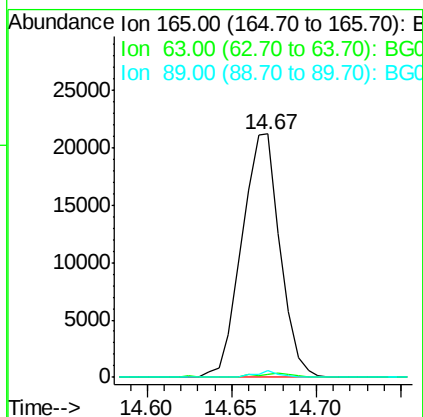
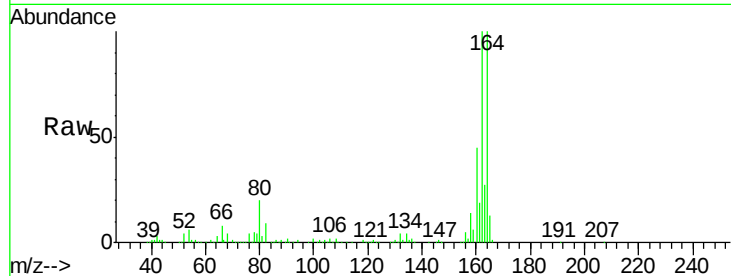




#51
 2,6-Dinitrotoluene
 Concen: 7.839 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.44 min
 Lab File: BG041671.D
 Acq: 16 Jul 2019 16:59

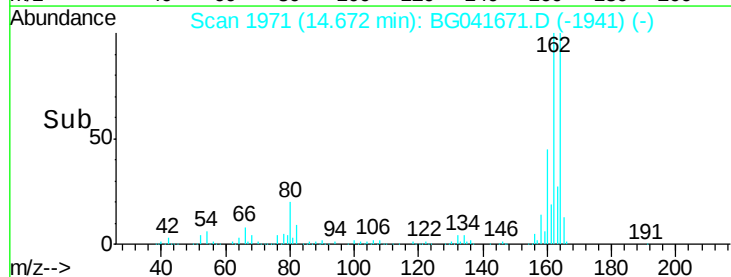
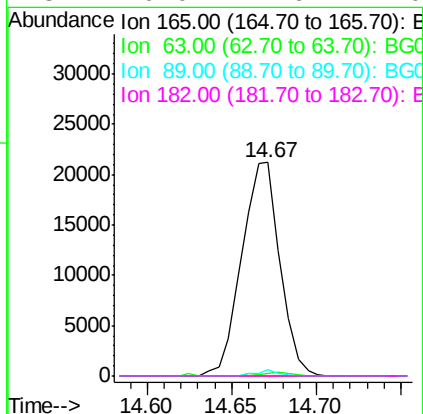
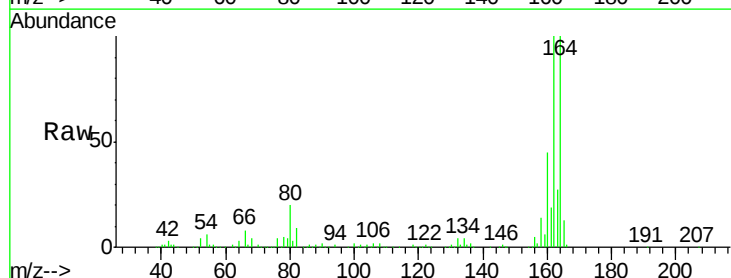
Instrument :
 BNA_G
 ClientSampled :

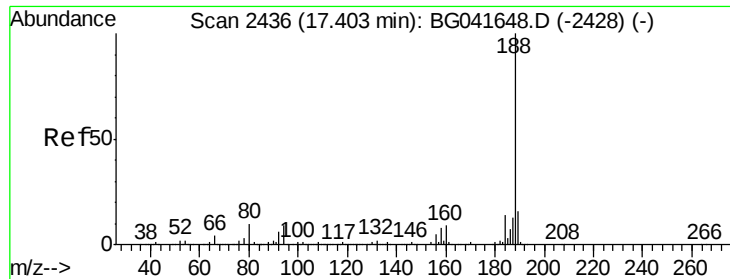
Tot Ion:165 Resp: 33203
 Ion Ratio Lower Upper
 165 100
 63 1.3 42.4 63.6#
 89 2.8 42.1 63.1#



#57
 2,4-Dinitrotoluene
 Concen: 5.930 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.35 min
 Lab File: BG041671.D
 Acq: 16 Jul 2019 16:59

Tgt Ion:165 Resp: 33203
 Ion Ratio Lower Upper
 165 100
 63 1.3 31.7 47.5#
 89 2.8 50.2 75.4#
 182 0.0 2.6 4.0#

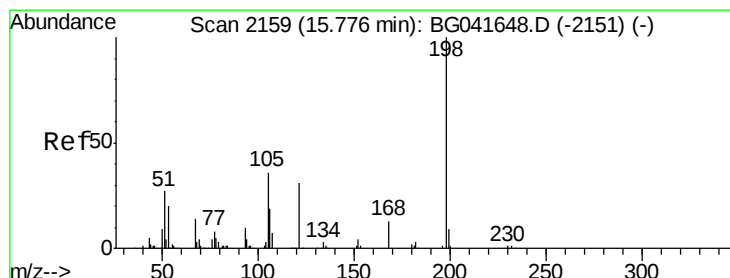
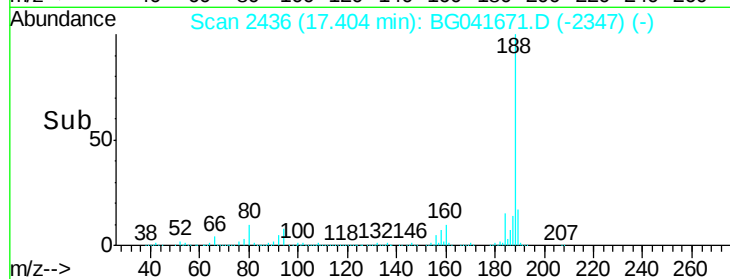
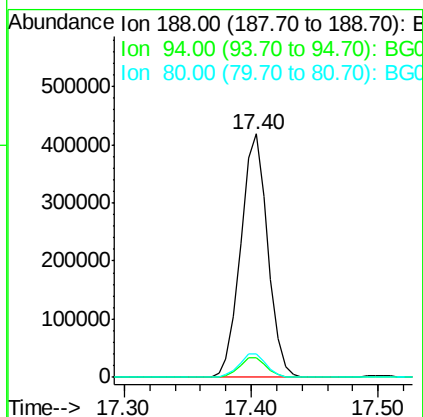
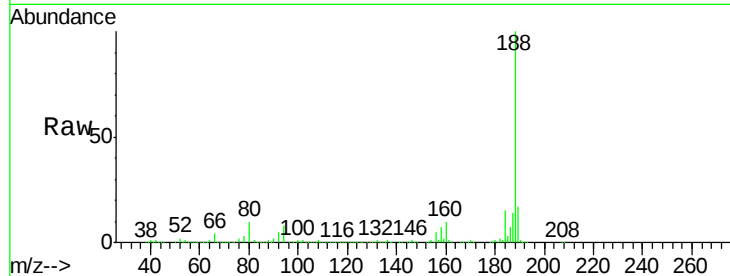




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BG041671.D
Acq: 16 Jul 2019 16:59

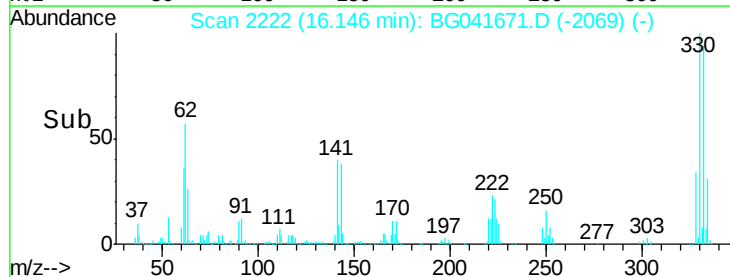
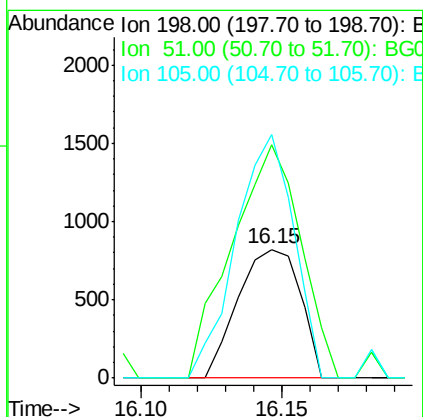
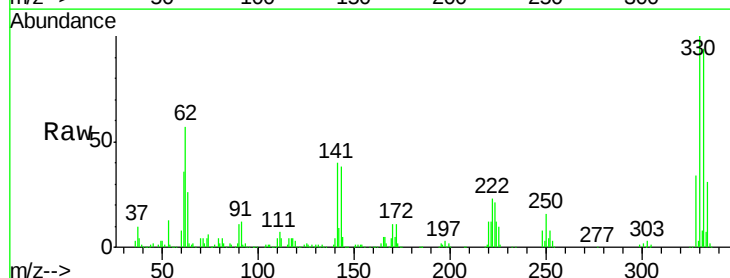
Instrument :
BNA_G
ClientSampleId :

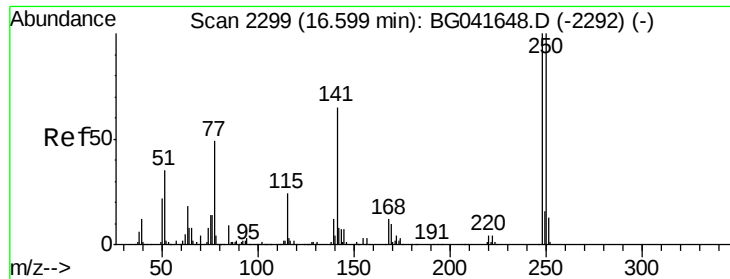
Tot Ion:188 Resp: 614014
Ion Ratio Lower Upper
188 100
94 7.9 6.9 10.3
80 9.6 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 7.045 ng
RT: 16.15 min Scan# 2222
Delta R.T. 0.37 min
Lab File: BG041671.D
Acq: 16 Jul 2019 16:59

Tgt Ion:198 Resp: 1257
Ion Ratio Lower Upper
198 100
51 181.2 22.3 62.3#
105 189.1 18.0 58.0#

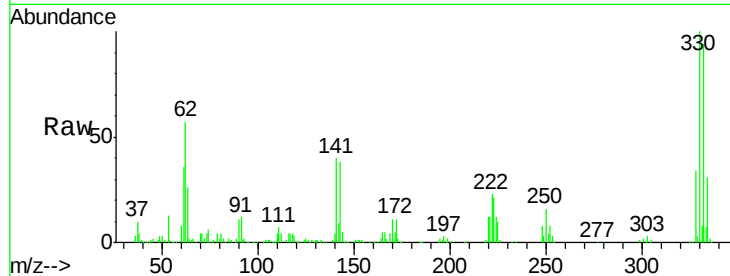




#67
 4-Bromophenyl-phenylether
 Concen: 4.490 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041671.D
 Acq: 16 Jul 2019 16:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	193.1	78.1	117.1#
141	492.8	49.6	74.4#

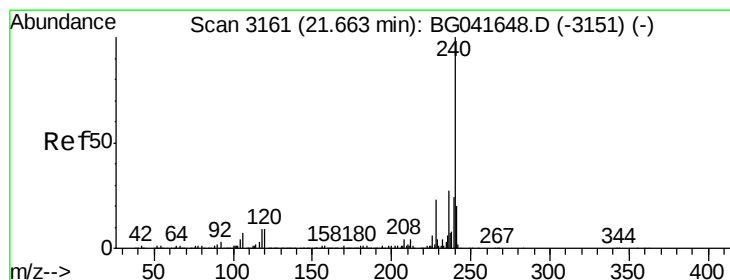
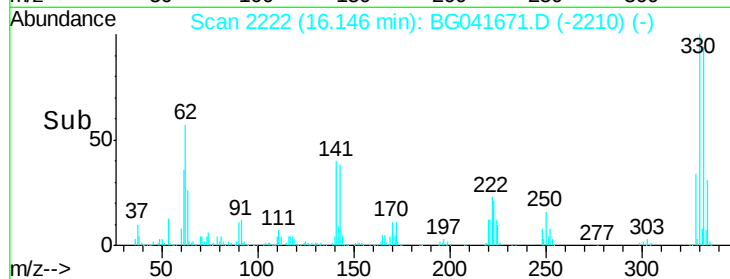
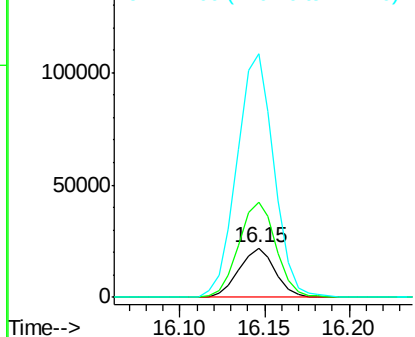


Abundance

Ion 248.00 (247.70 to 248.70): E

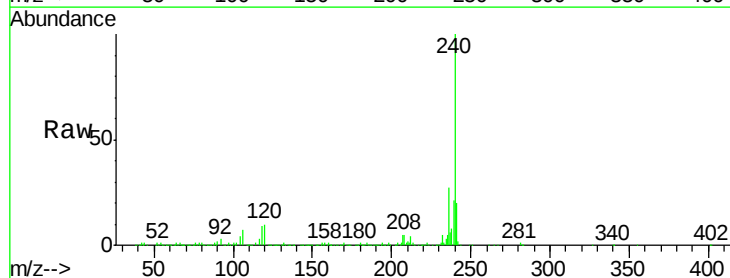
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG041671.D
 Acq: 16 Jul 2019 16:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	27.3	22.6	33.8

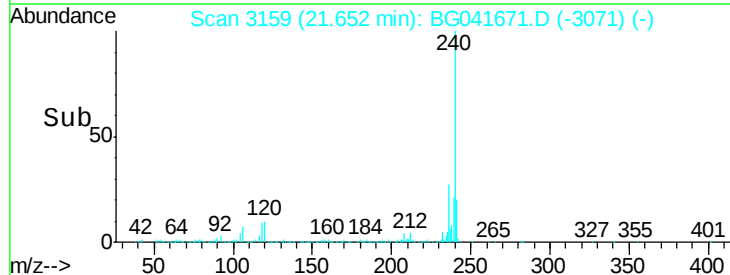
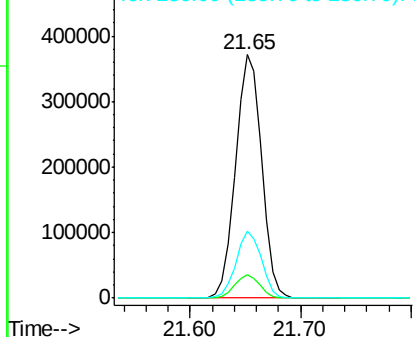


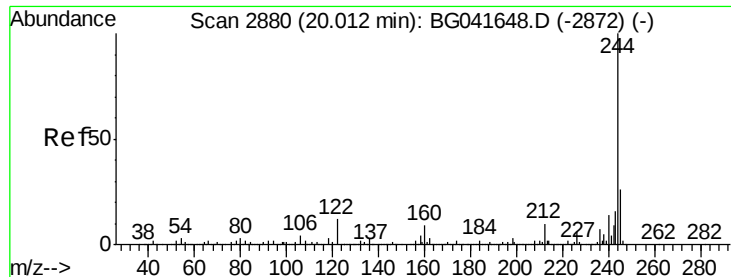
Abundance

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: 90.110 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG041671.D

Acq: 16 Jul 2019 16:59

Instrument :

BNA_G

ClientSampleId :

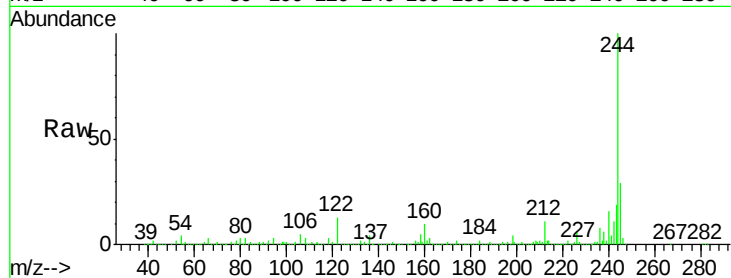
Tot Ion:244 Resp: 2370042

Ion	Ratio	Lower	Upper
244	100		
212	10.8	9.7	14.5
122	13.2	12.5	18.7

244 100

212 10.8 9.7 14.5

122 13.2 12.5 18.7

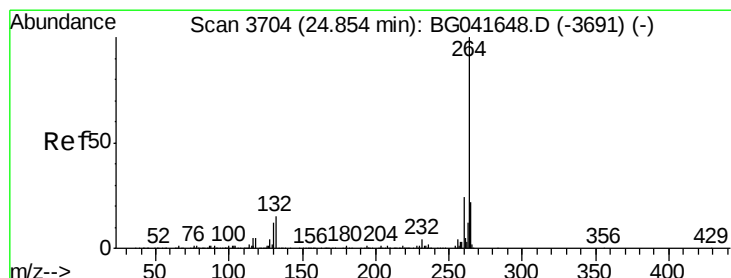
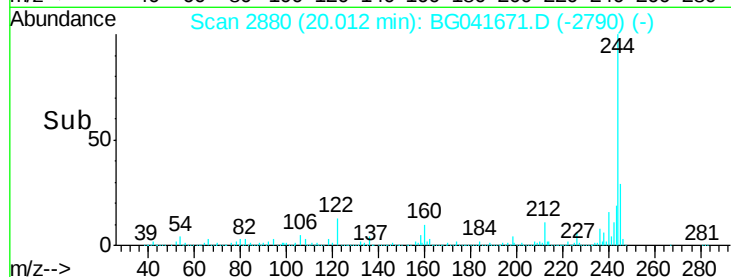
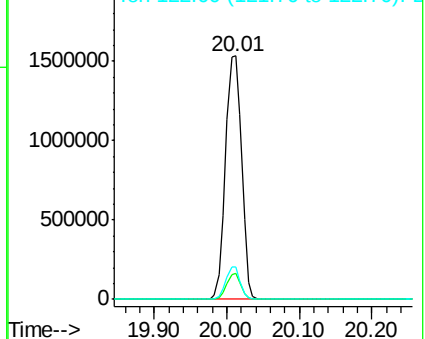


Abundance

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: 24.85 min Scan# 3703

Delta R.T. -0.02 min

Lab File: BG041671.D

Acq: 16 Jul 2019 16:59

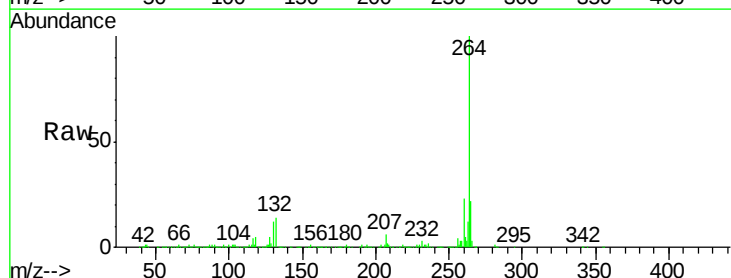
Tgt Ion:264 Resp: 694236

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.7	18.0	27.0

264 100

260 22.7 19.5 29.3

265 21.7 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

