

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
 Data File : BG041669.D
 Acq On : 16 Jul 2019 15:42
 Operator : HP/JU
 Sample : K3620-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 17 01:38:54 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	106915	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	435350	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	273508	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	675499	20.00	ng	0.00
76) Chrysene-d12	21.65	240	657913	20.00	ng	-0.01
87) Perylene-d12	24.85	264	744656	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	751745	114.94	ng	0.00
7) Phenol-d6	7.20	99	961915	109.35	ng	0.00
23) Nitrobenzene-d5	9.21	82	701576	98.00	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	452022	146.65	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1601647	90.68	ng	0.00
79) Terphenyl-d14	20.01	244	2421450	86.01	ng	0.00

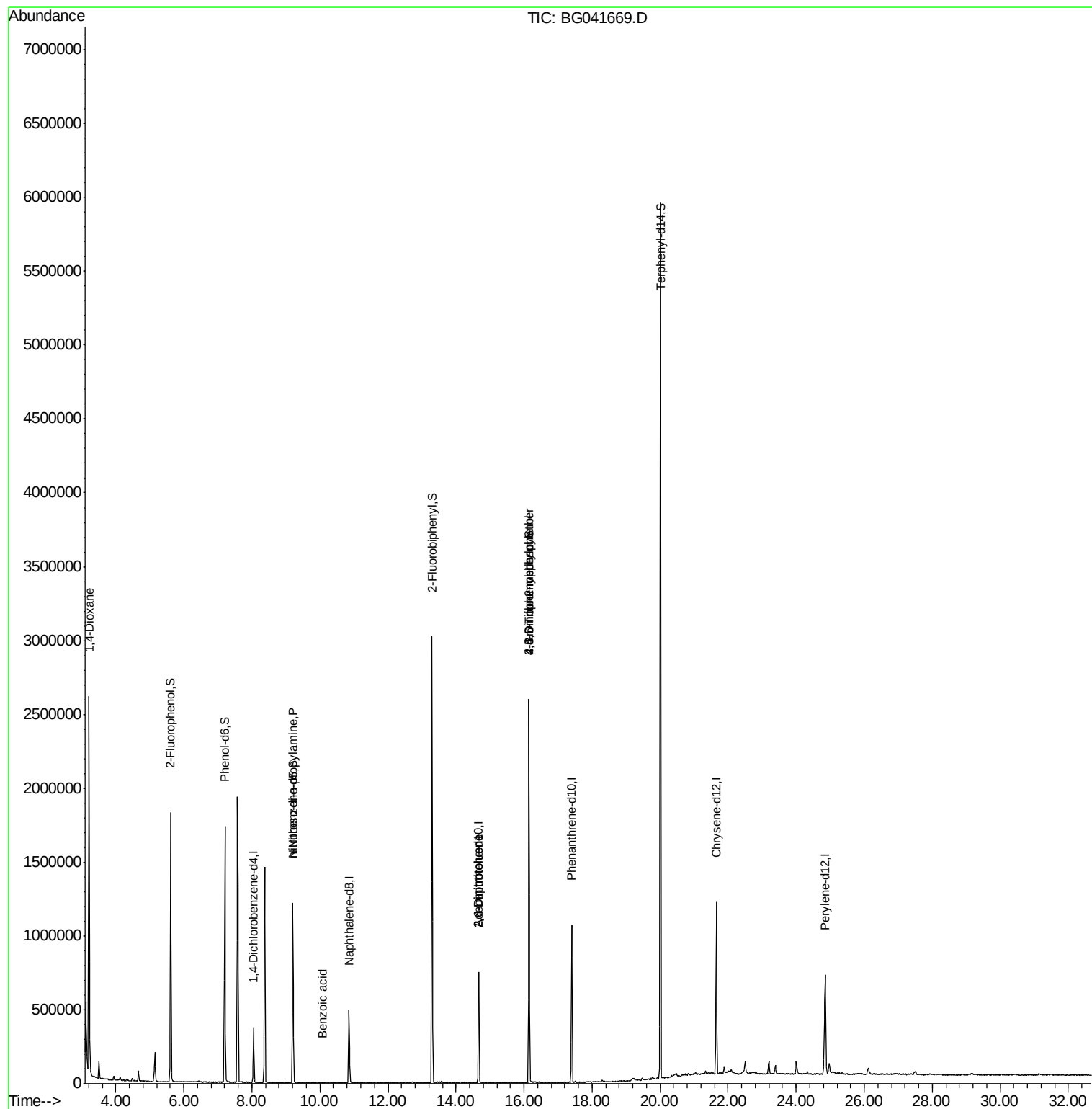
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	25416	8.182	ng	# 1
9) Benzaldehyde	7.20	77	3003	Below Cal		# 29
19) n-Nitroso-di-n-propylamine	9.21	70	97741	15.202	ng	# 71
32) Benzoic acid	10.08	122	609	6.125	ng	# 67
51) 2,6-Dinitrotoluene	14.66	165	35270	7.741	ng	# 27
57) 2,4-Dinitrotoluene	14.66	165	35270	5.856	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.15	198	1447	7.062	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	35598	4.429	ng	# 1

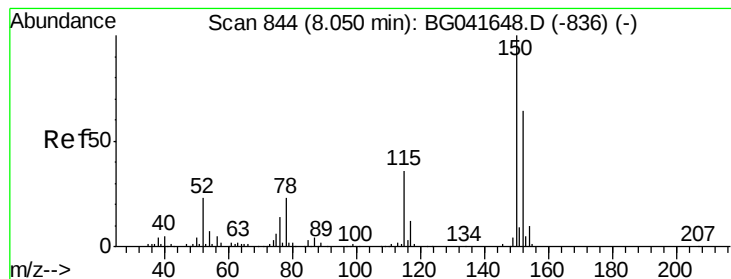
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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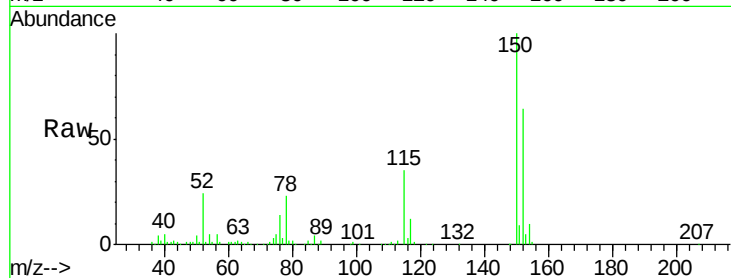


#1

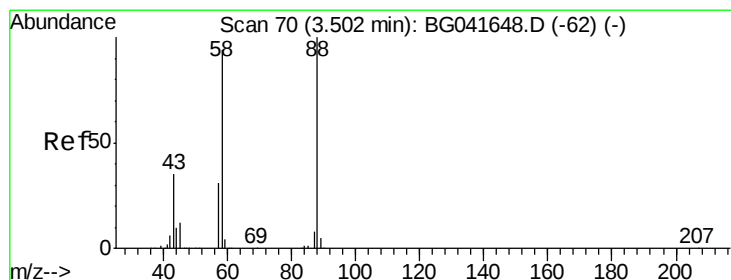
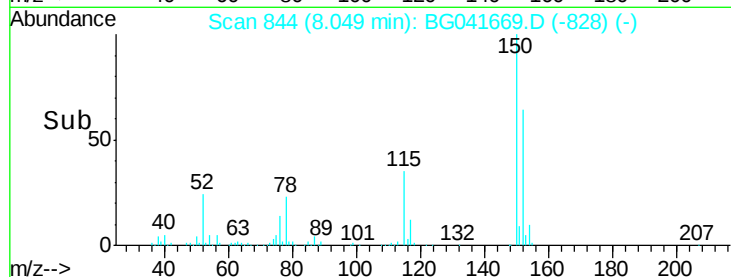
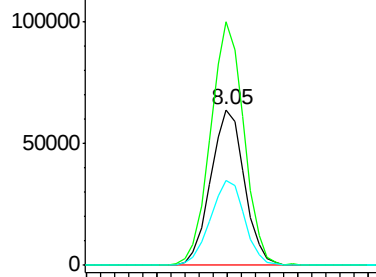
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041669.D
Acq: 16 Jul 2019 15:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.9	190.3
115	54.1	45.0	67.6



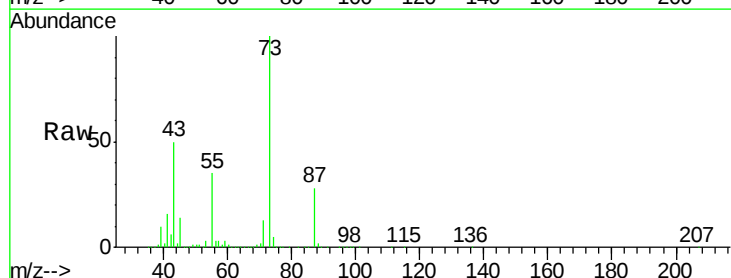
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



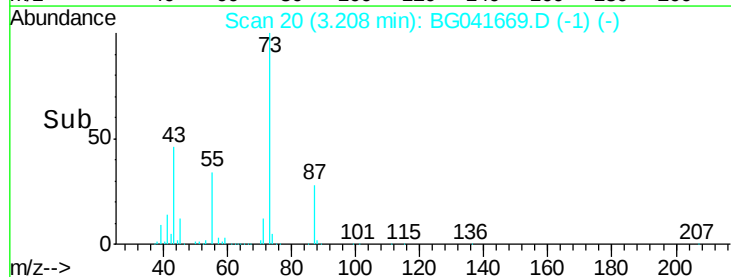
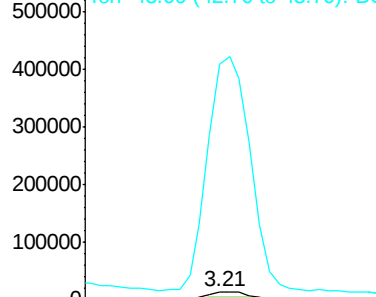
#2

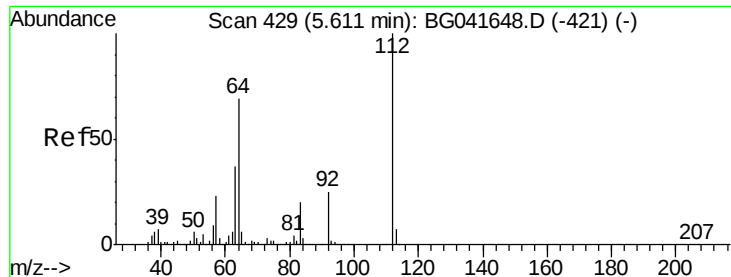
1,4-Dioxane
Concen: 8.182 ng
RT: 3.21 min Scan# 20
Delta R.T. -0.29 min
Lab File: BG041669.D
Acq: 16 Jul 2019 15:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	33.2	76.2	114.2#
43	2928.5	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: 114.943 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG041669.D

Acq: 16 Jul 2019 15:42

Instrument :

BNA_G

ClientSampleId :

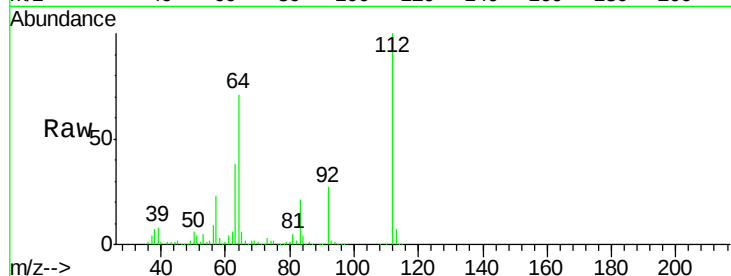
Tot Ion:112 Resp: 751745

Ion Ratio Lower Upper

112 100

64 71.0 55.4 83.2

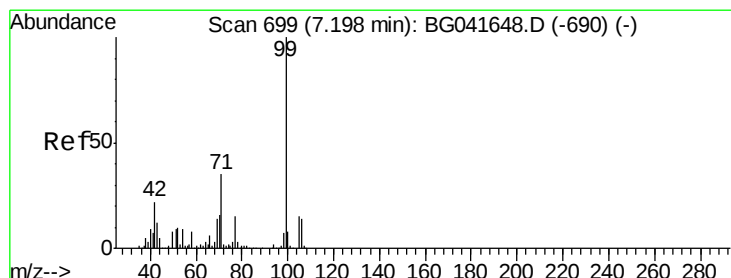
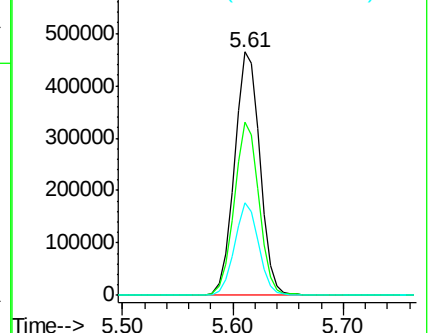
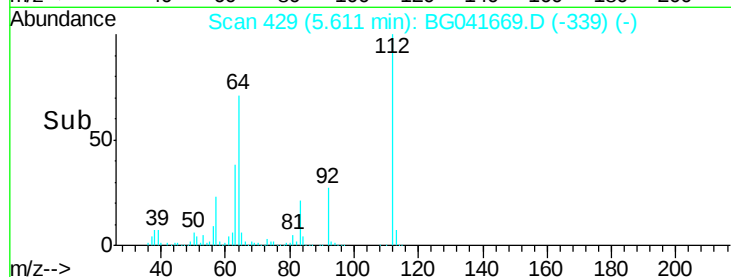
63 37.9 29.1 43.7



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: 109.349 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041669.D

Acq: 16 Jul 2019 15:42

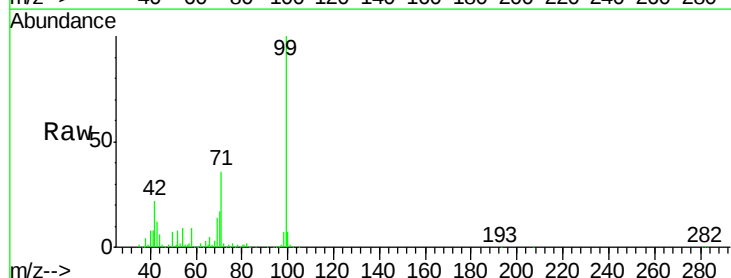
Tgt Ion: 99 Resp: 961915

Ion Ratio Lower Upper

99 100

42 21.7 17.6 26.4

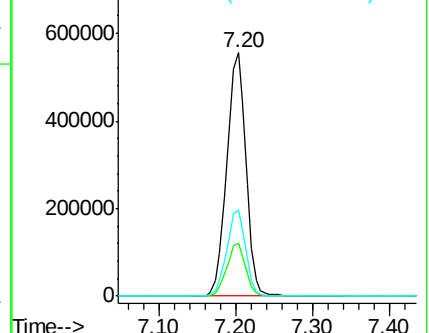
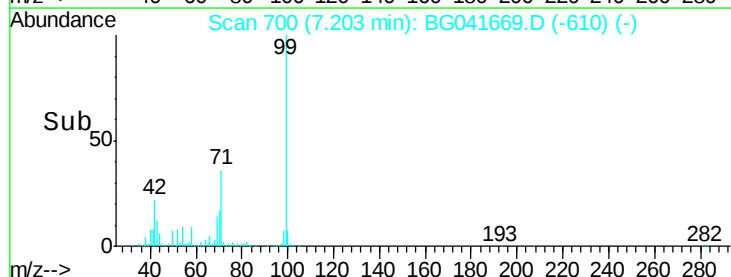
71 35.6 27.8 41.6

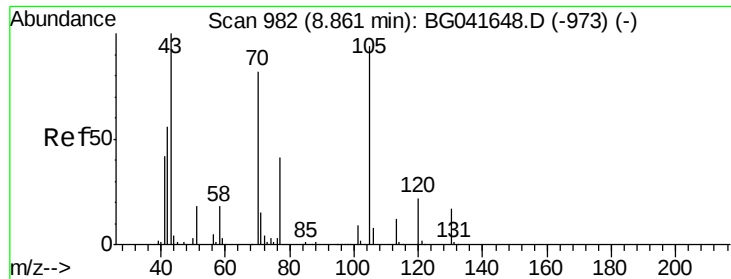


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

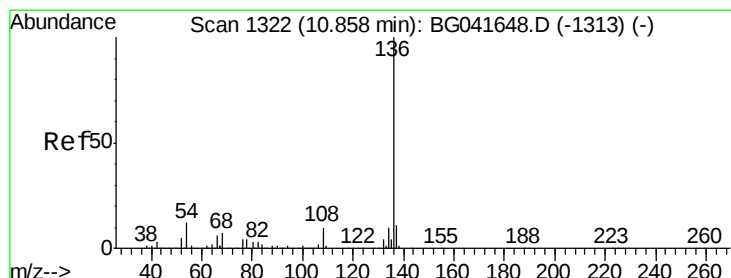
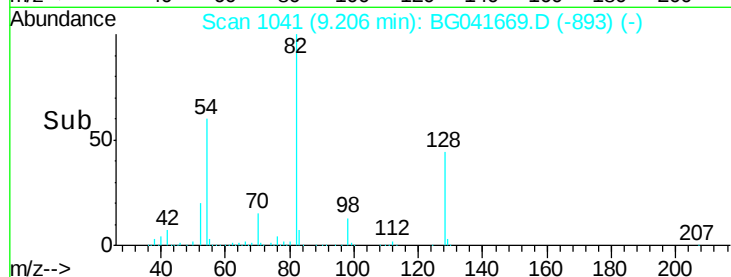
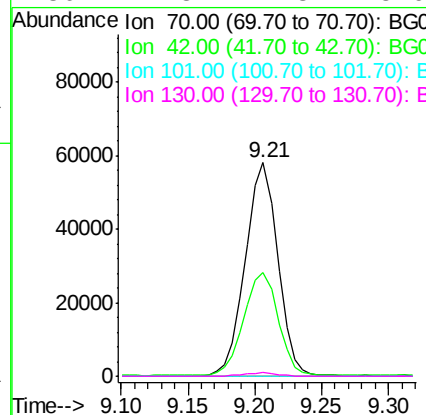
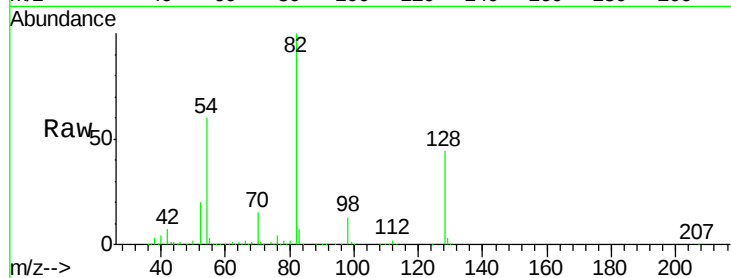




#19
n-Nitroso-di-n-propylamine
Concen: 15.202 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.34 min
Lab File: BG041669.D
Acq: 16 Jul 2019 15:42

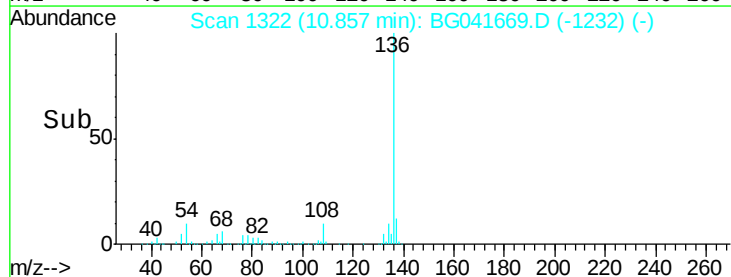
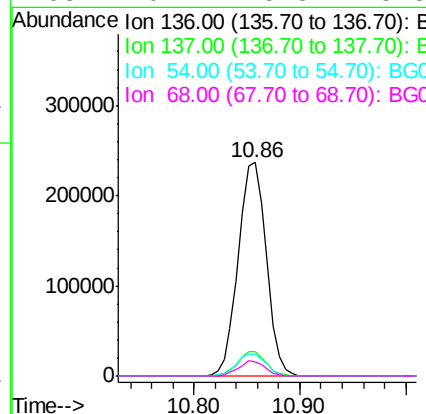
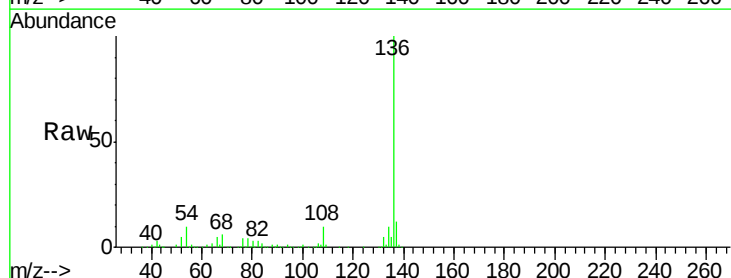
Instrument :
BNA_G
ClientSampleId :

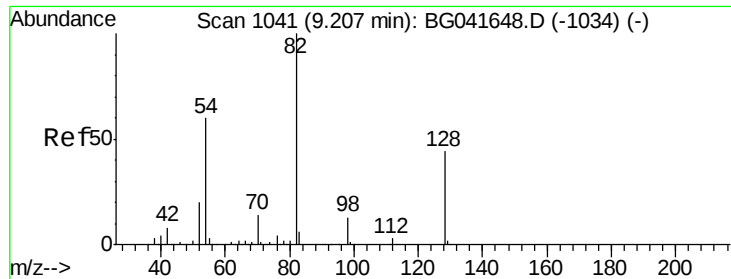
Tot Ion: 70 Resp: 97741
Ion Ratio Lower Upper
70 100
42 48.5 55.8 83.6#
101 0.0 8.1 12.1#
130 1.8 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BG041669.D
Acq: 16 Jul 2019 15:42

Tgt Ion: 136 Resp: 435350
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 10.3 8.7 13.1
68 6.4 5.5 8.3

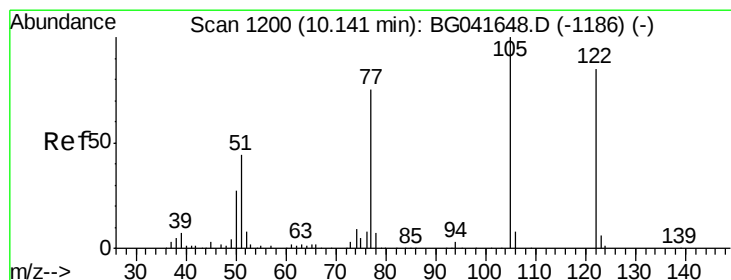
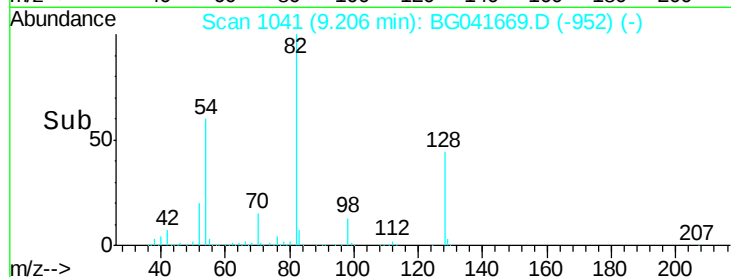
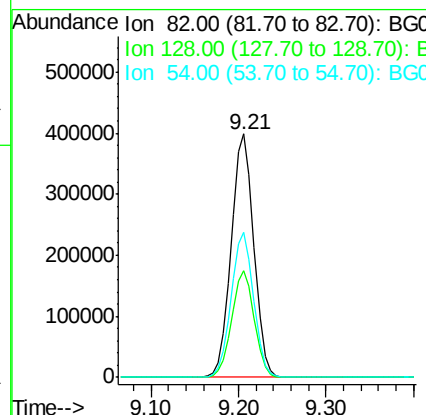
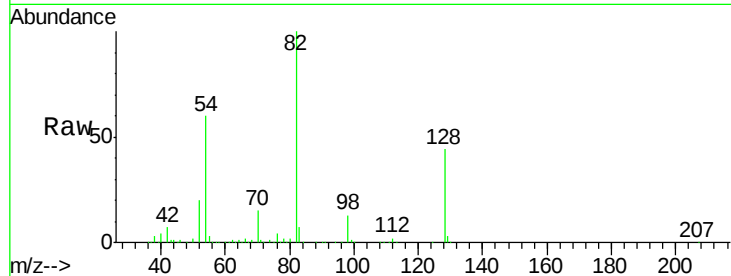




#23
 Nitrobenzene-d5
 Concen: 98.005 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG041669.D
 Acq: 16 Jul 2019 15:42

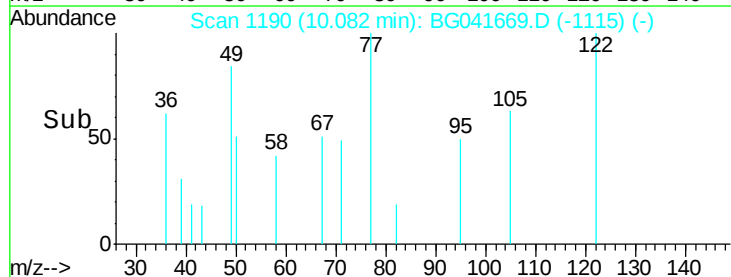
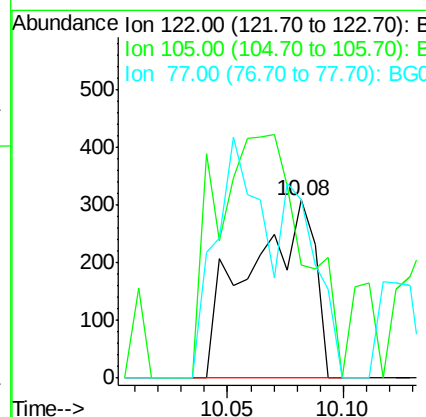
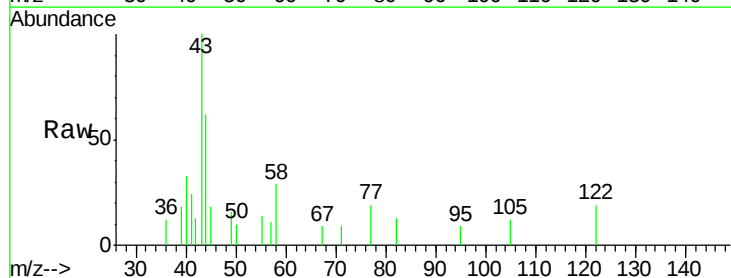
Instrument :
 BNA_G
 ClientSampleId :

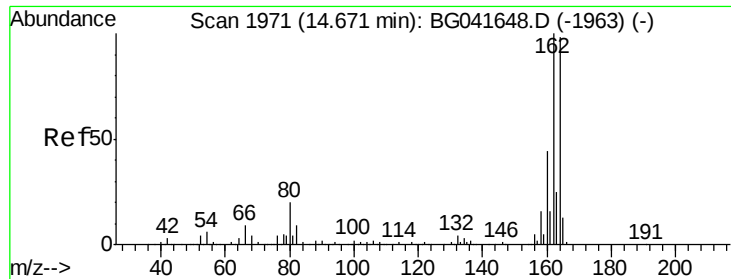
Tot Ion: 82 Resp: 701576
 Ion Ratio Lower Upper
 82 100
 128 44.1 35.1 52.7
 54 59.6 48.7 73.1



#32
 Benzoic acid
 Concen: 6.125 ng
 RT: 10.08 min Scan# 1190
 Delta R.T. -0.09 min
 Lab File: BG041669.D
 Acq: 16 Jul 2019 15:42

Tgt Ion: 122 Resp: 609
 Ion Ratio Lower Upper
 122 100
 105 63.6 101.5 141.5#
 77 100.3 73.0 113.0

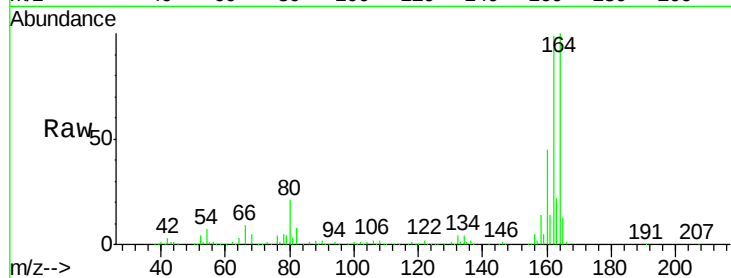




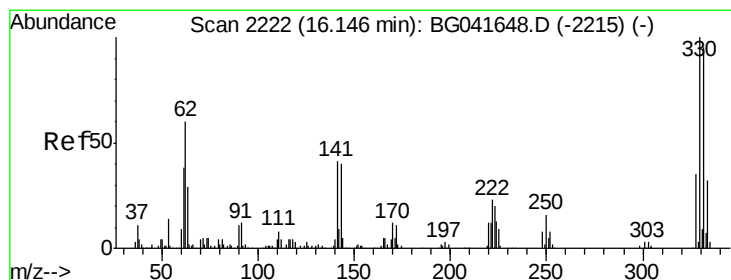
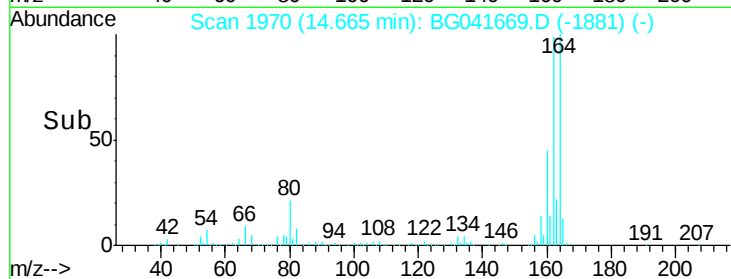
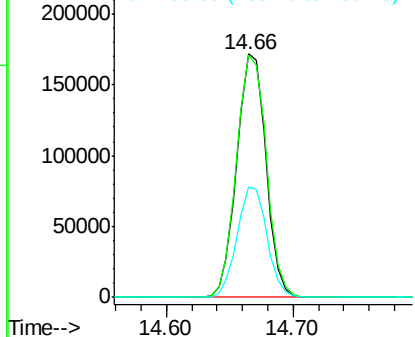
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041669.D
Acq: 16 Jul 2019 15:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 273508
Ion Ratio Lower Upper
164 100
162 99.3 79.6 119.4
160 45.3 35.4 53.0

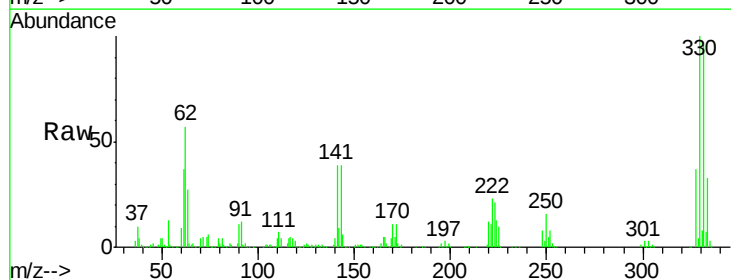


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

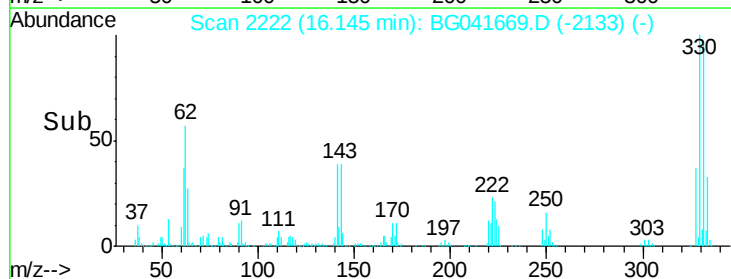
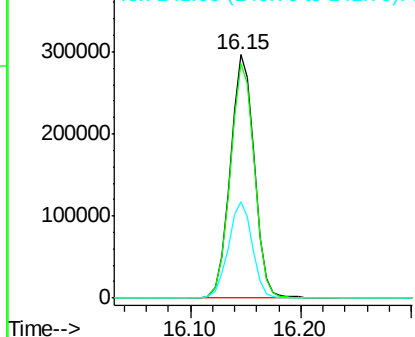


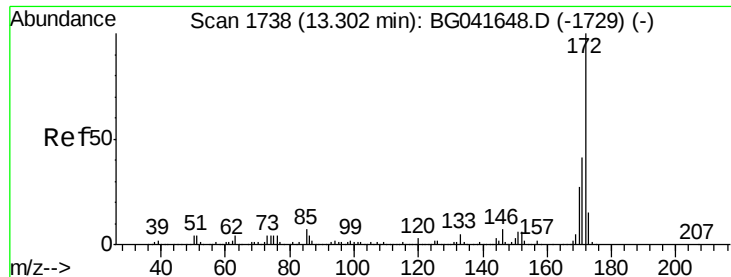
#42
2,4,6-Tribromophenol
Concen: 146.647 ng
RT: 16.15 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BG041669.D
Acq: 16 Jul 2019 15:42

Tgt Ion:330 Resp: 452022
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 39.2 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

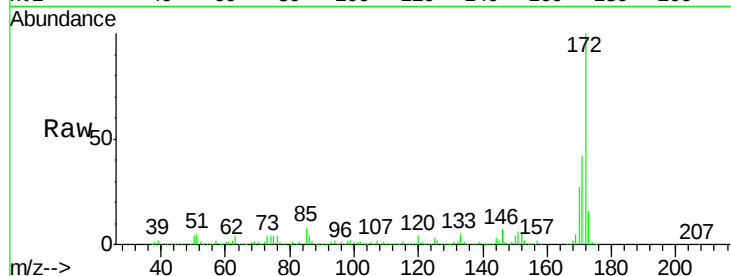




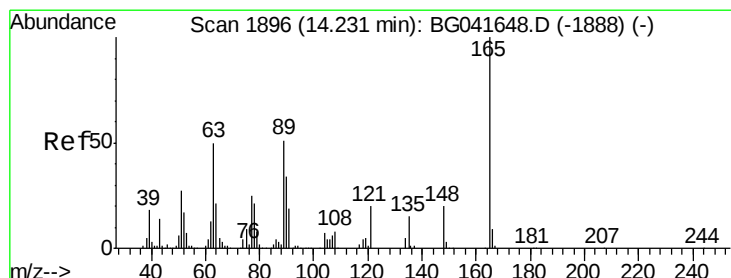
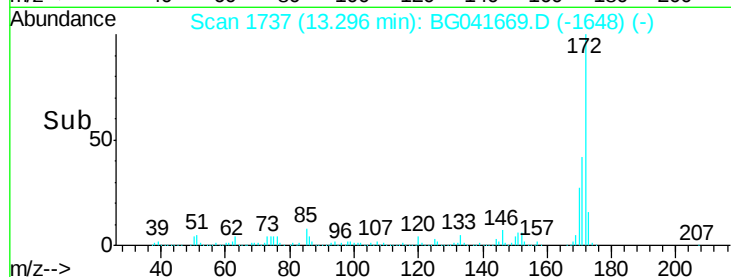
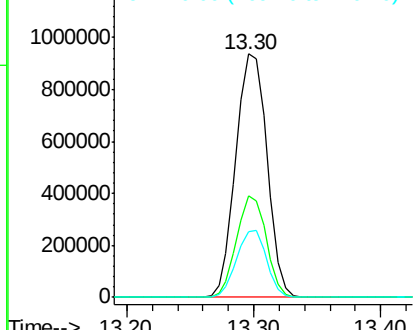
#45
2-Fluorobiphenyl
Concen: 90.679 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG041669.D
Acq: 16 Jul 2019 15:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1601647
Ion Ratio Lower Upper
172 100
171 41.8 35.0 52.4
170 27.1 23.5 35.3

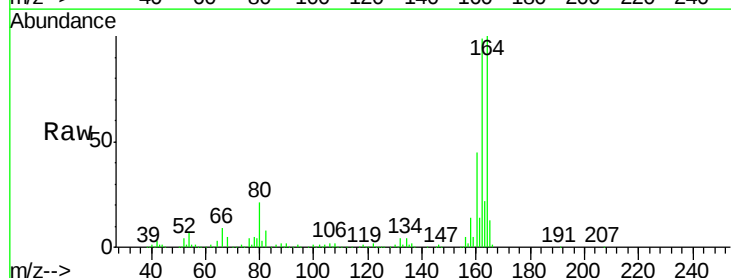


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

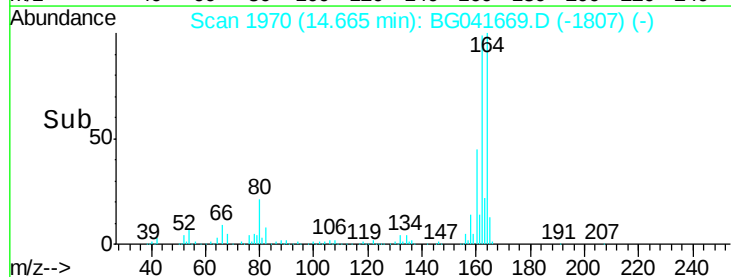
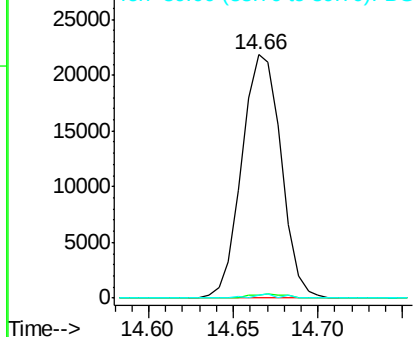


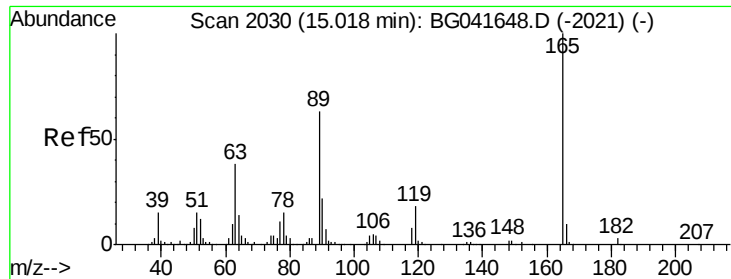
#51
2,6-Dinitrotoluene
Concen: 7.741 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.43 min
Lab File: BG041669.D
Acq: 16 Jul 2019 15:42

Tgt Ion:165 Resp: 35270
Ion Ratio Lower Upper
165 100
63 1.1 42.4 63.6#
89 1.5 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: 5.856 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041669.D

Acq: 16 Jul 2019 15:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 35270

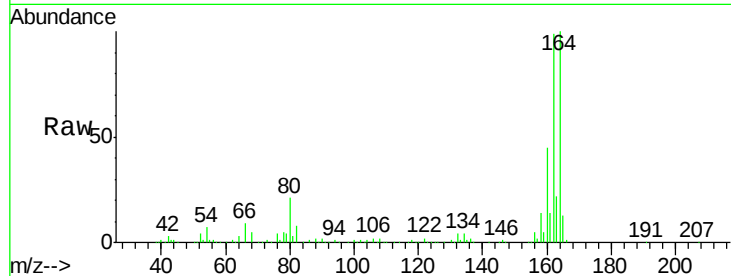
Ion Ratio Lower Upper

165 100

63 1.1 31.7 47.5#

89 1.5 50.2 75.4#

182 0.0 2.6 4.0#

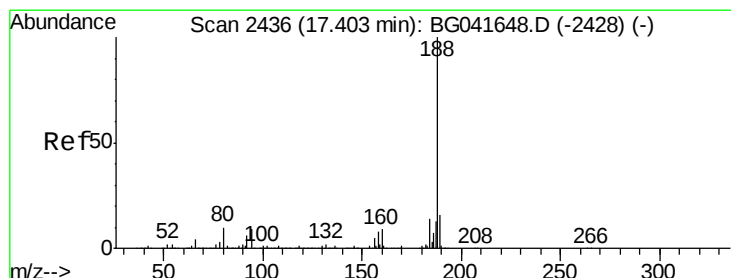
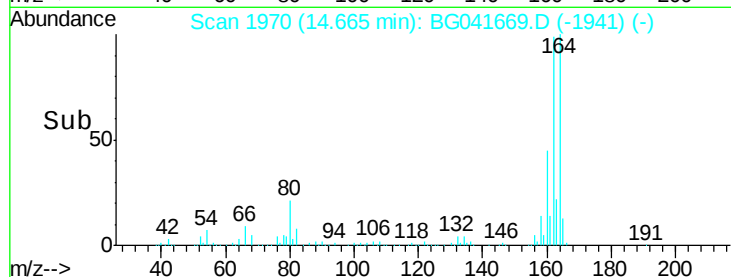
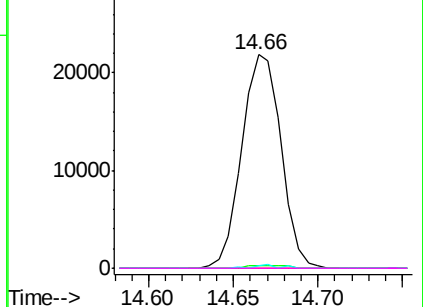


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BG041669.D

Acq: 16 Jul 2019 15:42

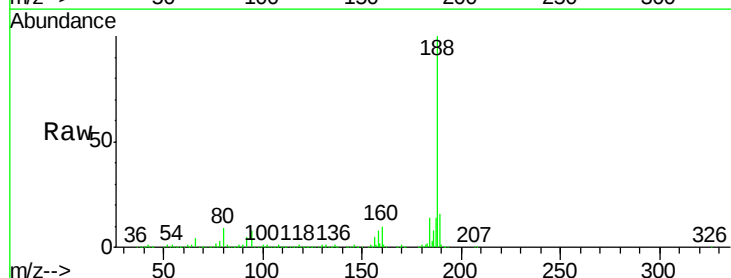
Tgt Ion:188 Resp: 675499

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

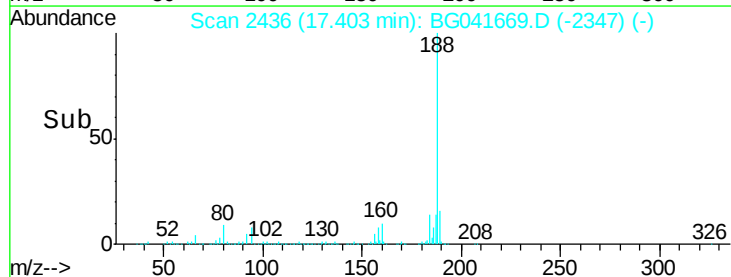
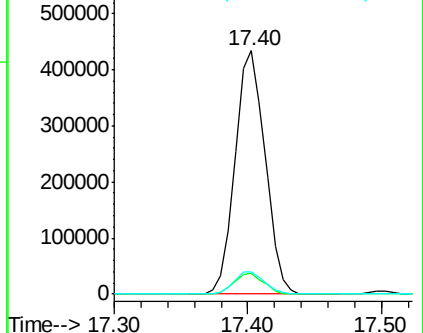
80 9.3 8.0 12.0

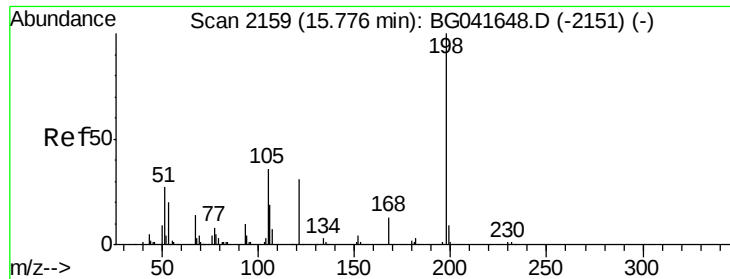


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.062 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.37 min

Lab File: BG041669.D

Acq: 16 Jul 2019 15:42

Instrument :

BNA_G

ClientSampleId :

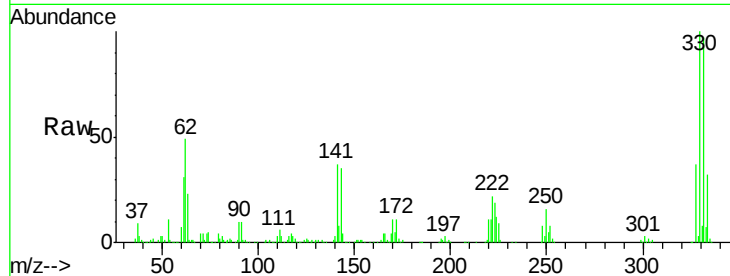
Tot Ion:198 Resp: 1447

Ion Ratio Lower Upper

198 100

51 143.2 22.3 62.3#

105 135.6 18.0 58.0#

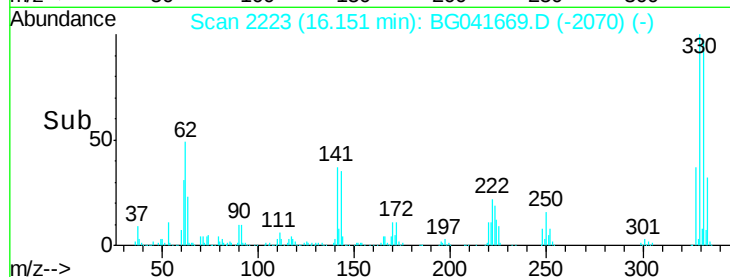


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time-->



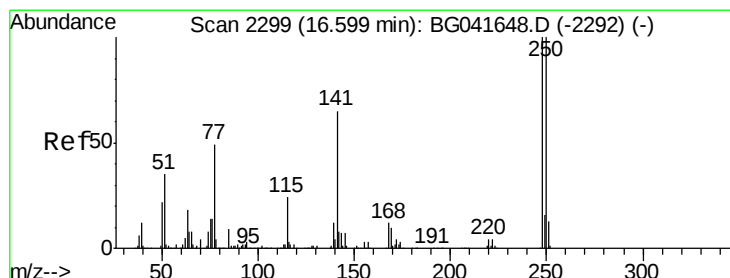
Abundance

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

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.429 ng

RT: 16.15 min Scan# 2222

Delta R.T. -0.46 min

Lab File: BG041669.D

Acq: 16 Jul 2019 15:42

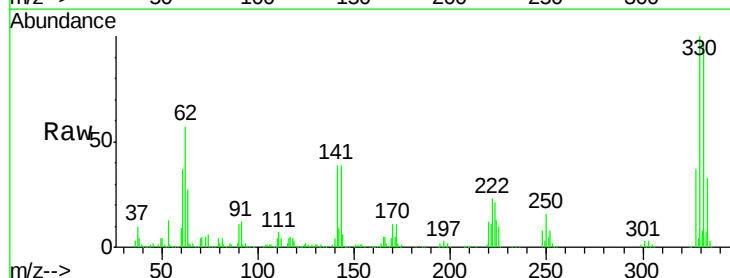
Tgt Ion:248 Resp: 35598

Ion Ratio Lower Upper

248 100

250 199.4 78.1 117.1#

141 493.6 49.6 74.4#

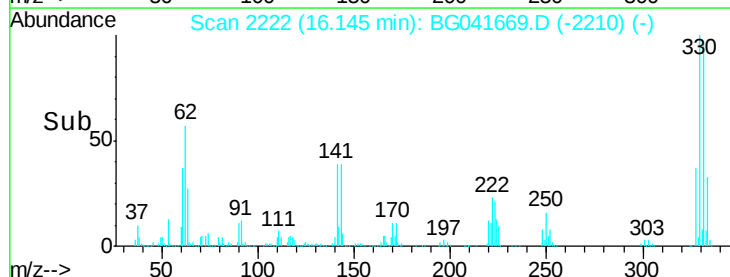


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



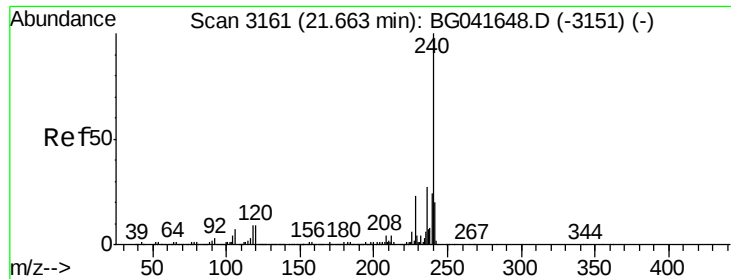
Abundance

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

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG041669.D

Acq: 16 Jul 2019 15:42

Instrument :

BNA_G

ClientSampled :

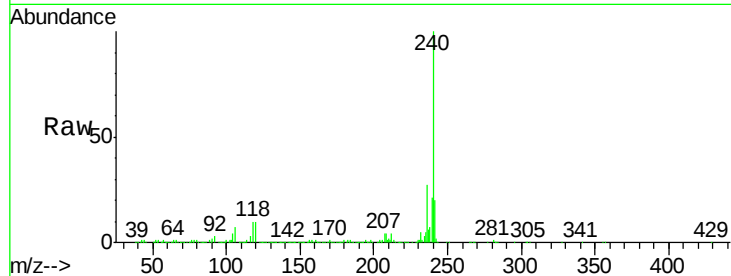
Tot Ion:240 Resp: 657913

Ion Ratio Lower Upper

240 100

120 9.6 8.0 12.0

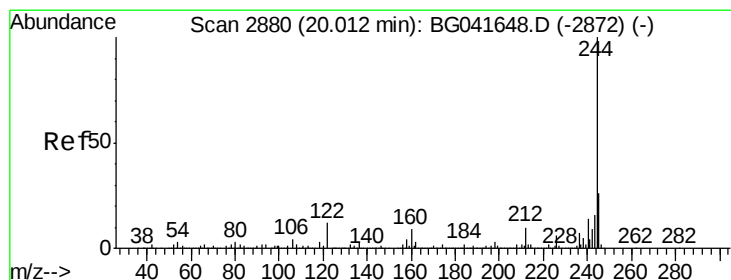
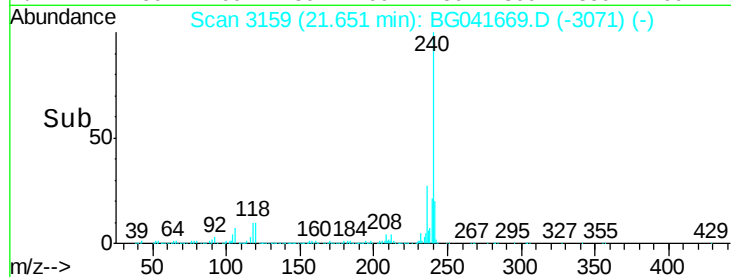
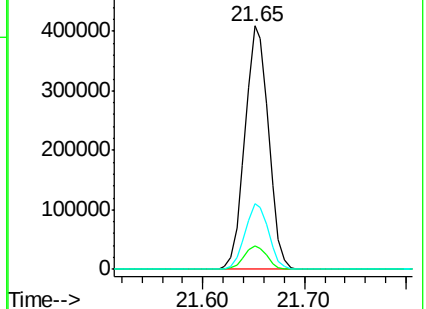
236 26.8 22.6 33.8



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: 86.009 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG041669.D

Acq: 16 Jul 2019 15:42

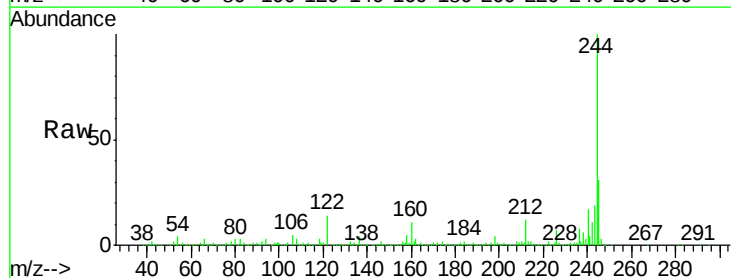
Tgt Ion:244 Resp: 2421450

Ion Ratio Lower Upper

244 100

212 11.5 9.7 14.5

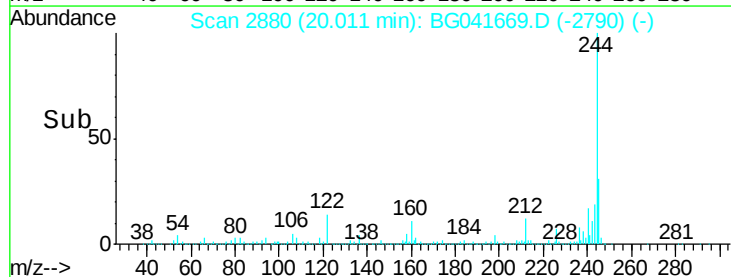
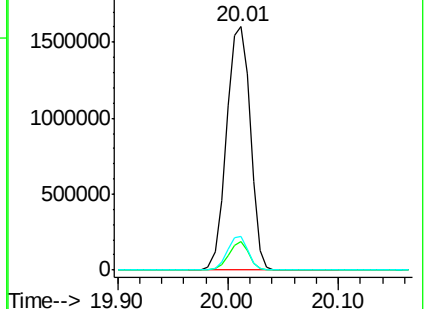
122 14.0 12.5 18.7

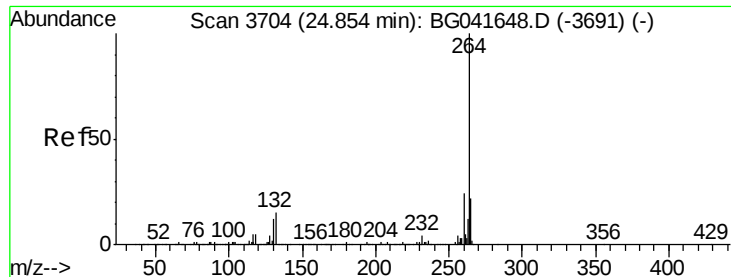


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

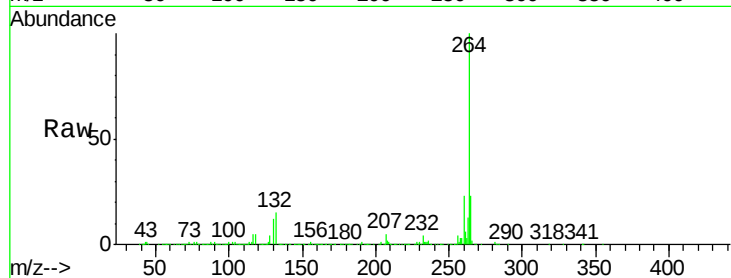




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG041669.D
Acq: 16 Jul 2019 15:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	23.1	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

