

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
 Data File : BG041673.D
 Acq On : 16 Jul 2019 18:16
 Operator : HP/JU
 Sample : K3622-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 17 01:39:46 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	103806	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	431485	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	269459	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	662260	20.00	ng	0.00
76) Chrysene-d12	21.65	240	651836	20.00	ng	-0.01
87) Perylene-d12	24.85	264	725214	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	690280	108.71	ng	0.00
7) Phenol-d6	7.20	99	896588	104.97	ng	0.00
23) Nitrobenzene-d5	9.21	82	635042	89.51	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	412493	135.83	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1487563	85.49	ng	0.00
79) Terphenyl-d14	20.01	244	2378719	85.28	ng	0.00

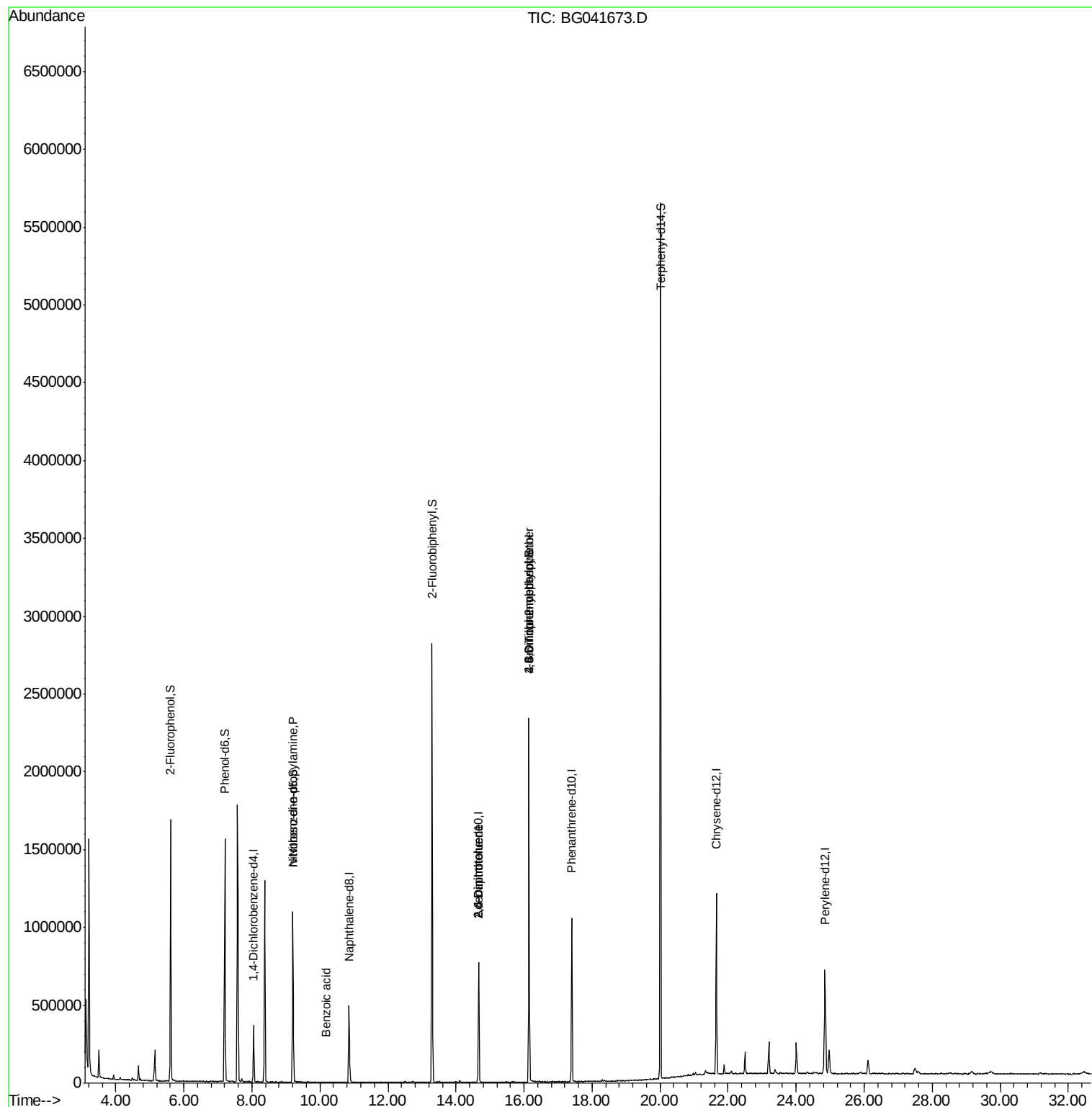
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2031	Below Cal		# 35
19) n-Nitroso-di-n-propylamine	9.21	70	86594	13.871	ng	# 75
32) Benzoic acid	10.20	122	55	6.022	ng	# 1
51) 2,6-Dinitrotoluene	14.66	165	35410	7.888	ng	# 28
57) 2,4-Dinitrotoluene	14.66	165	35410	5.967	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.15	198	1348	7.043	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	32295	4.098	ng	# 1

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

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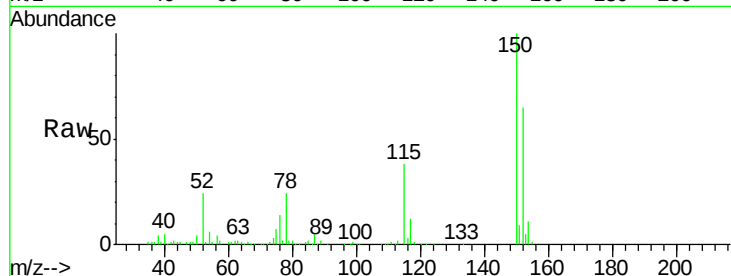


#1

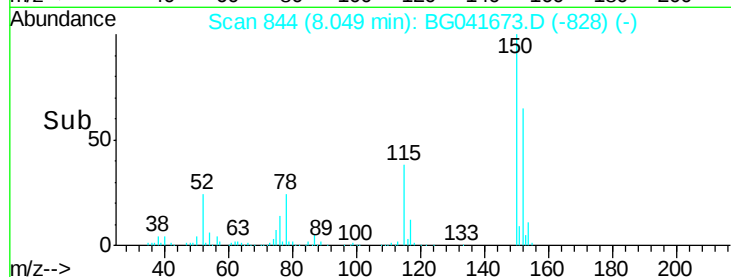
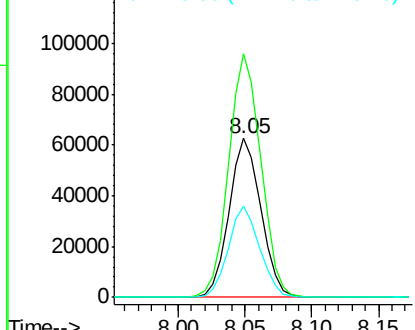
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041673.D
Acq: 16 Jul 2019 18:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 103806
Ion Ratio Lower Upper
152 100
150 153.0 126.9 190.3
115 57.6 45.0 67.6



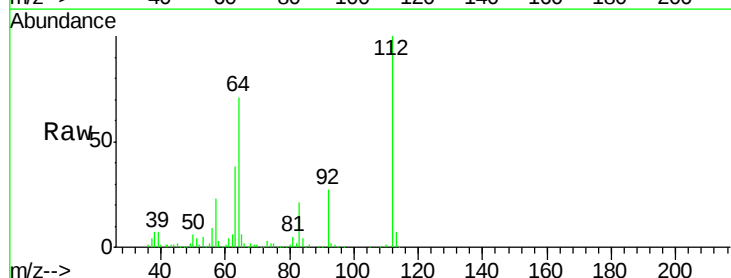
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



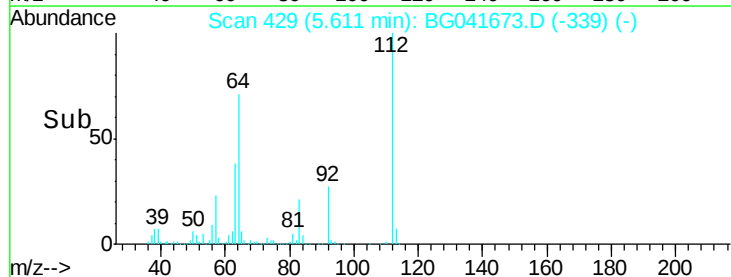
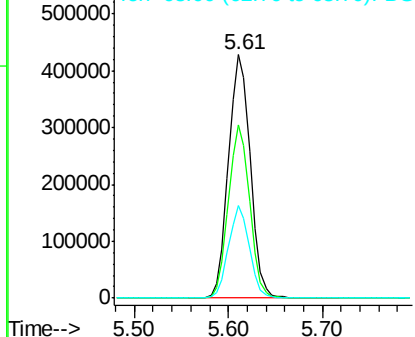
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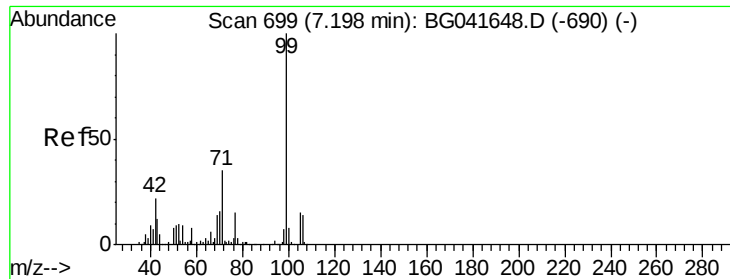
2-Fluorophenol
Concen: 108.706 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG041673.D
Acq: 16 Jul 2019 18:16

Tgt Ion:112 Resp: 690280
Ion Ratio Lower Upper
112 100
64 70.9 55.4 83.2
63 37.9 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 104.975 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041673.D

Acq: 16 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

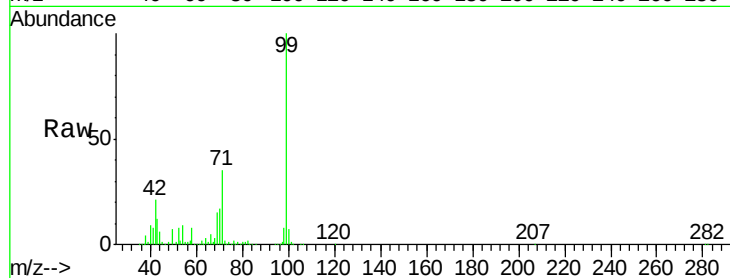
Tot Ion: 99 Resp: 896588

Ion Ratio Lower Upper

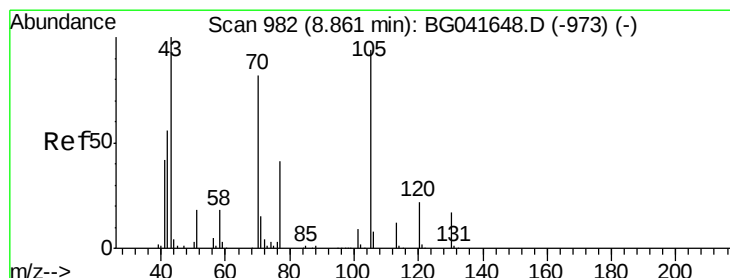
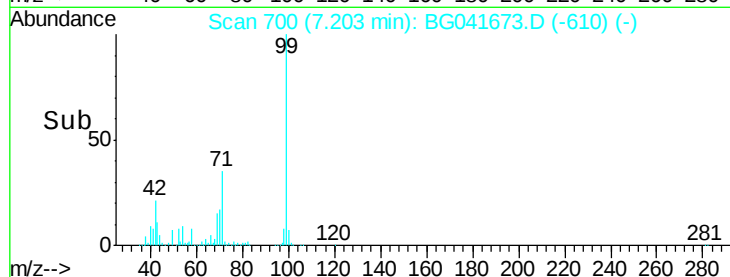
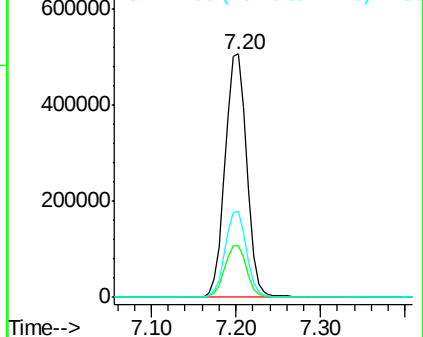
99 100

42 21.0 17.6 26.4

71 35.2 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: 13.871 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041673.D

Acq: 16 Jul 2019 18:16

Tgt Ion: 70 Resp: 86594

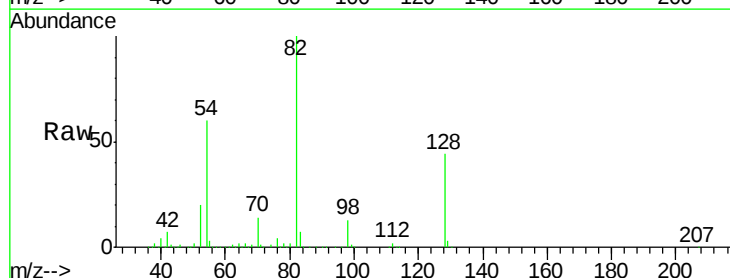
Ion Ratio Lower Upper

70 100

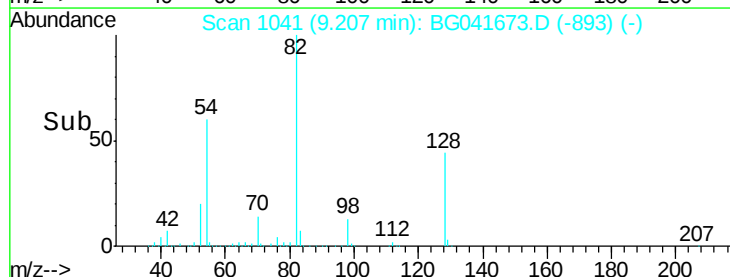
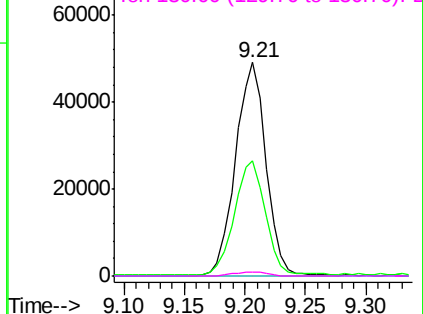
42 53.7 55.8 83.6#

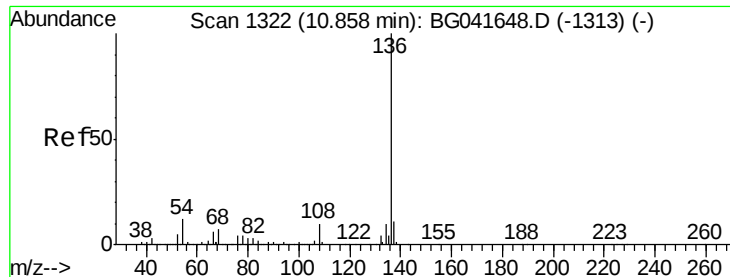
101 0.0 8.1 12.1#

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

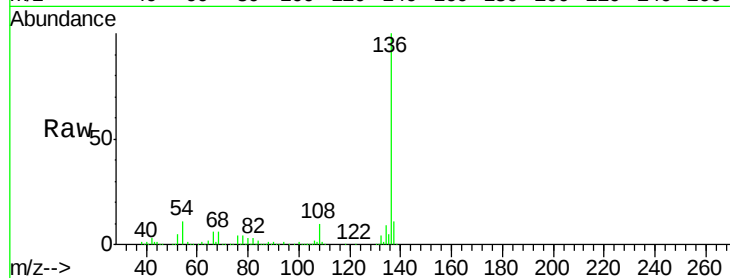




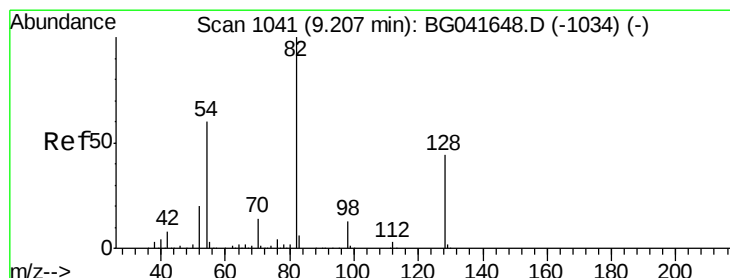
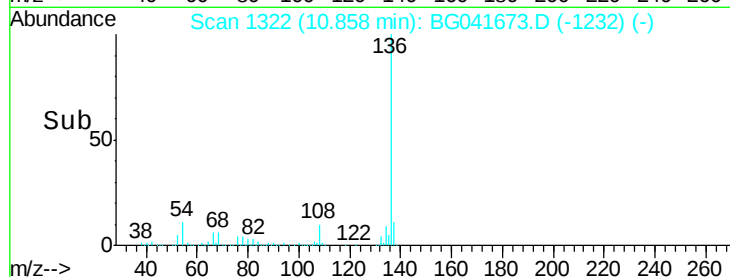
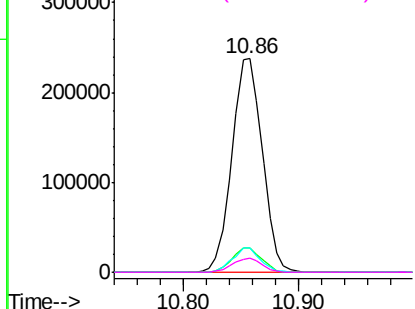
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BG041673.D
Acq: 16 Jul 2019 18:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	431485
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.2 13.8
54	11.2	8.7 13.1
68	6.3	5.5 8.3

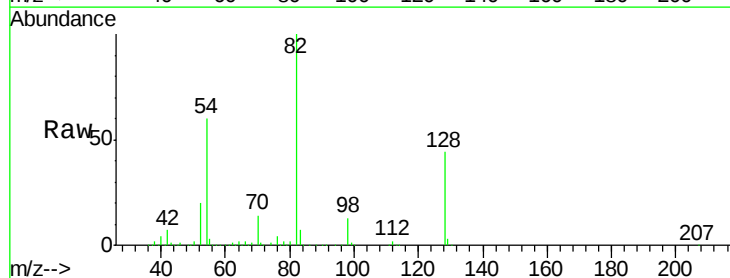


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

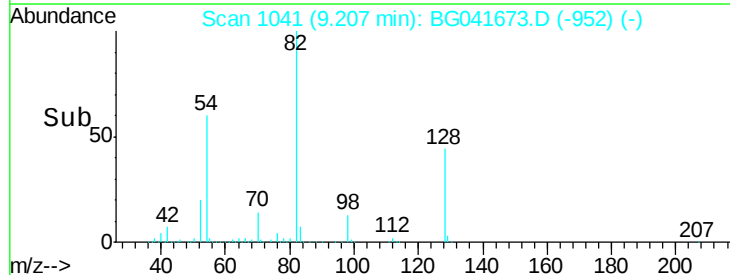
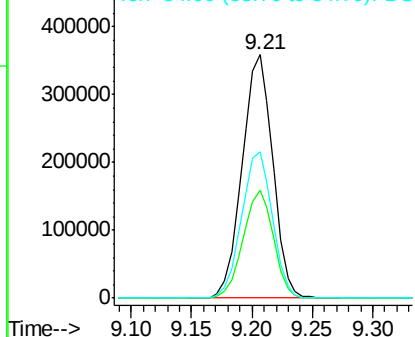


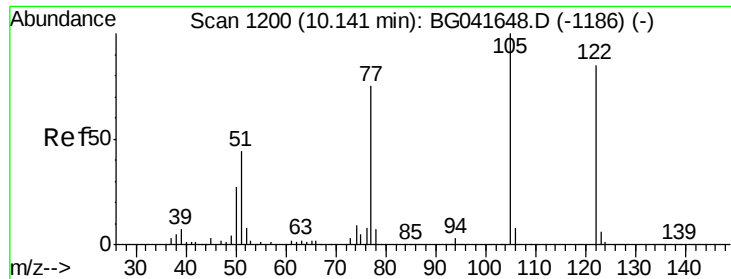
#23
Nitrobenzene-d5
Concen: 89.505 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041673.D
Acq: 16 Jul 2019 18:16

Tgt Ion: 82	Resp:	635042
Ion	Ratio	Lower Upper
82	100	
128	44.1	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): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.022 ng

RT: 10.20 min Scan# 1210

Delta R.T. 0.03 min

Lab File: BG041673.D

Acq: 16 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

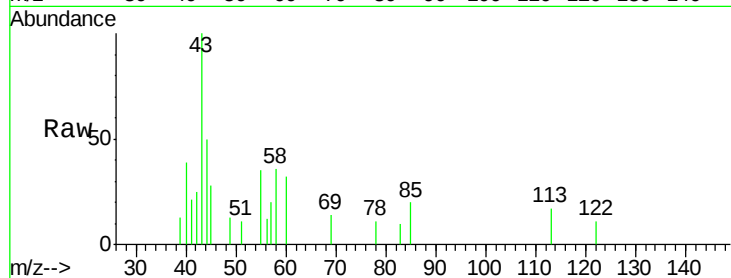
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 101.5 141.5#

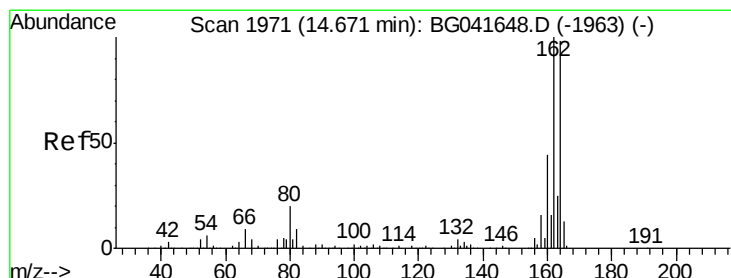
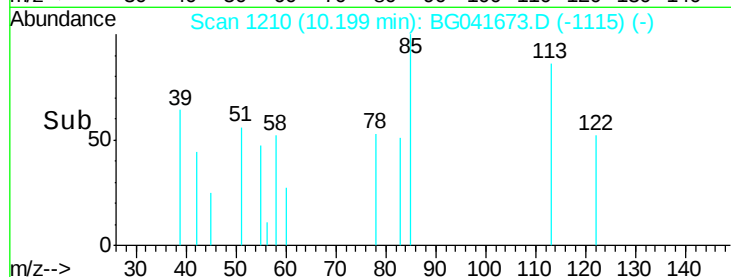
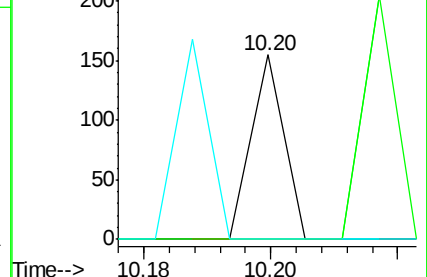
77 0.0 73.0 113.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG041673.D

Acq: 16 Jul 2019 18:16

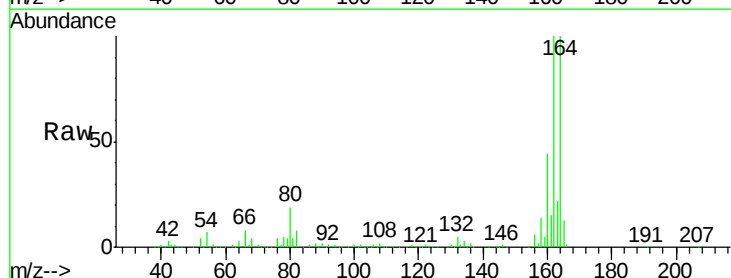
Tgt Ion:164 Resp: 269459

Ion Ratio Lower Upper

164 100

162 100.0 79.6 119.4

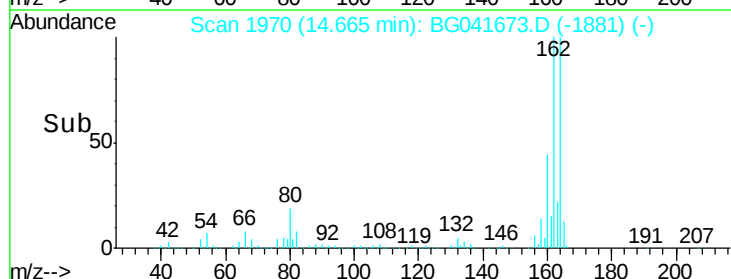
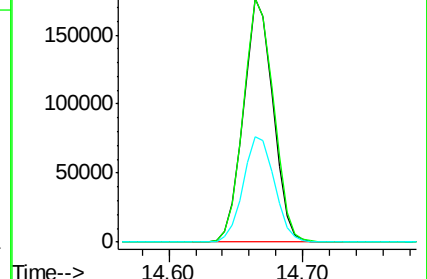
160 43.5 35.4 53.0

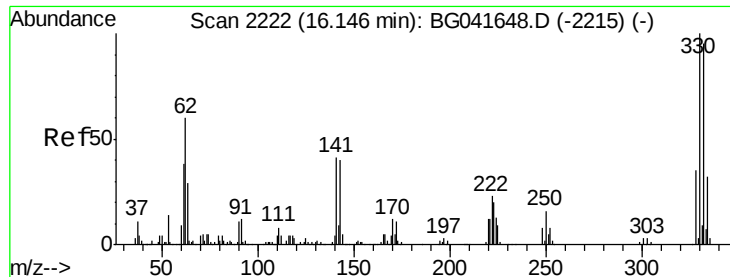


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

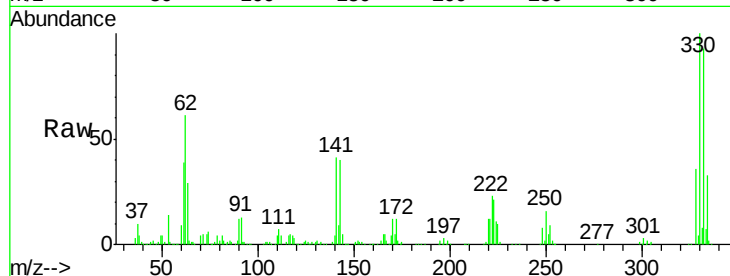




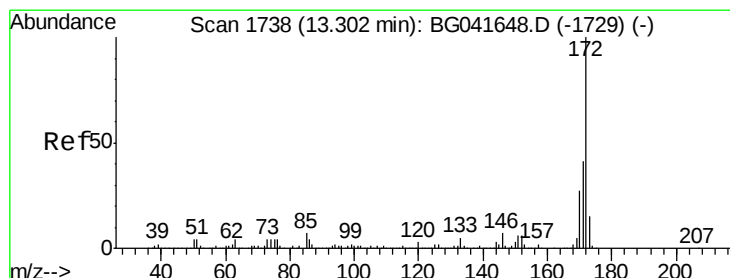
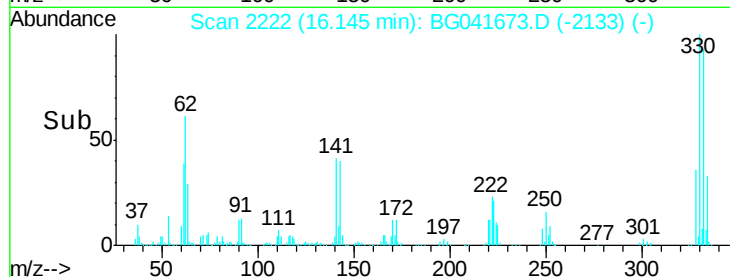
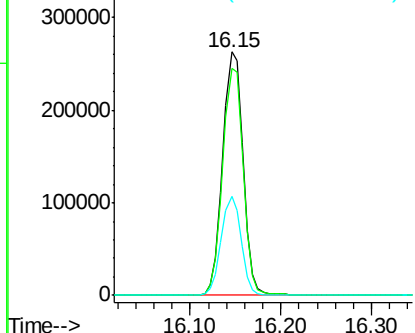
#42
 2,4,6-Tribromophenol
 Concen: 135.833 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041673.D
 Acq: 16 Jul 2019 18:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 412493
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.4 116.0
 141 39.7 31.9 47.9

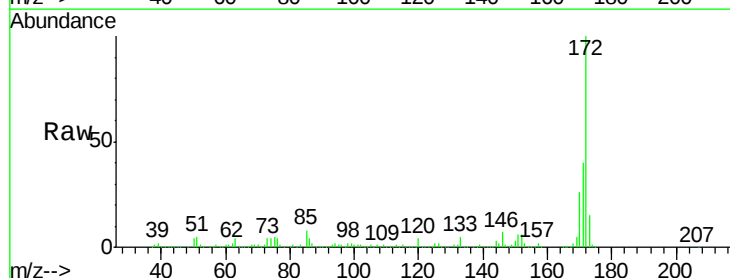


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

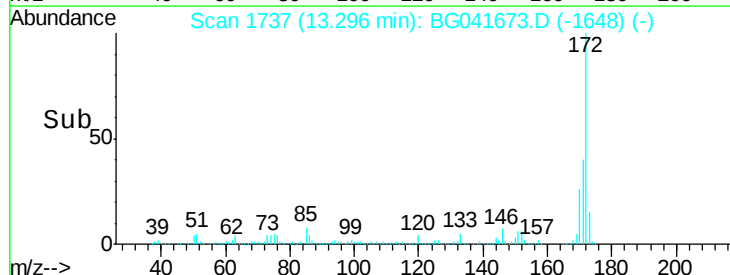
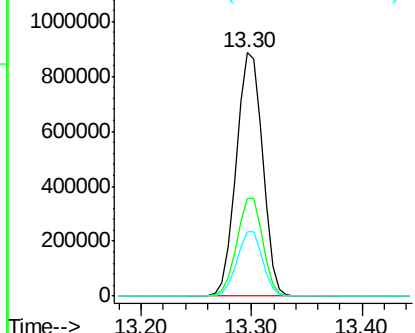


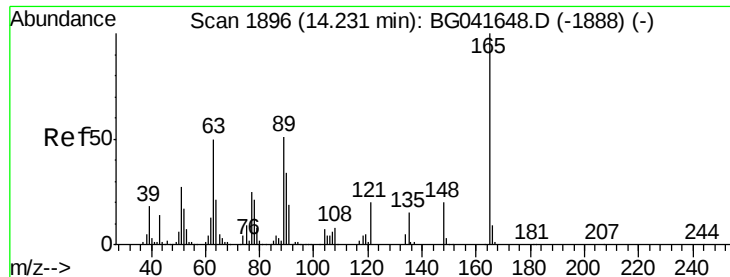
#45
 2-Fluorobiphenyl
 Concen: 85.486 ng
 RT: 13.30 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG041673.D
 Acq: 16 Jul 2019 18:16

Tgt Ion:172 Resp: 1487563
 Ion Ratio Lower Upper
 172 100
 171 40.2 35.0 52.4
 170 26.4 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: 7.888 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG041673.D

Acq: 16 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

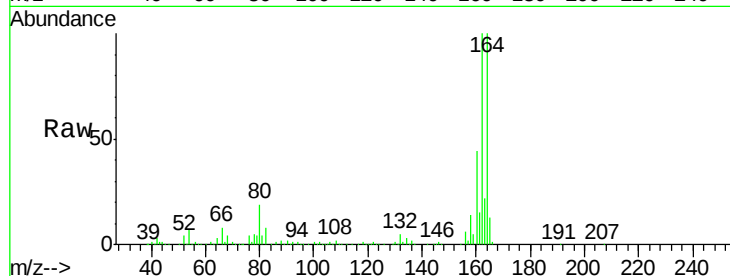
Tot Ion:165 Resp: 35410

Ion Ratio Lower Upper

165 100

63 2.6 42.4 63.6#

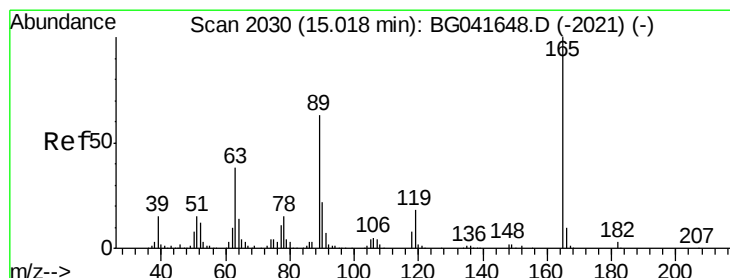
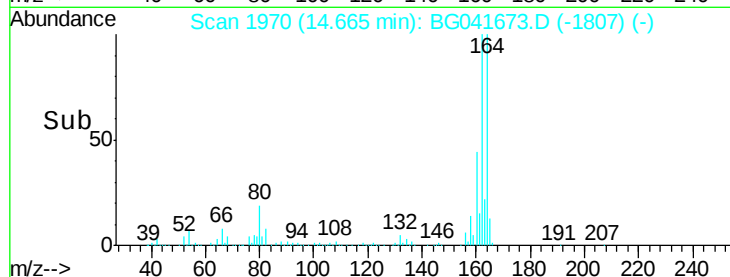
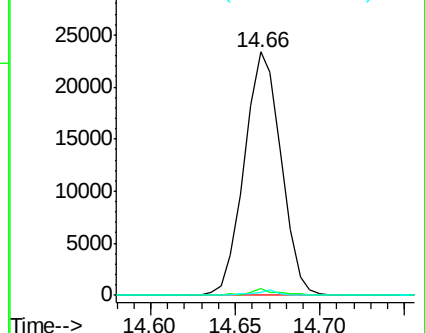
89 1.0 42.1 63.1#



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: 5.967 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041673.D

Acq: 16 Jul 2019 18:16

Tgt Ion:165 Resp: 35410

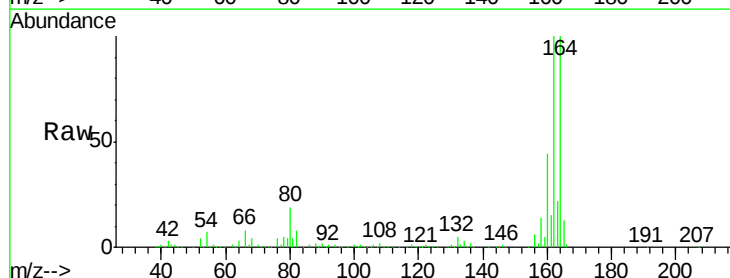
Ion Ratio Lower Upper

165 100

63 2.6 31.7 47.5#

89 1.0 50.2 75.4#

182 0.0 2.6 4.0#

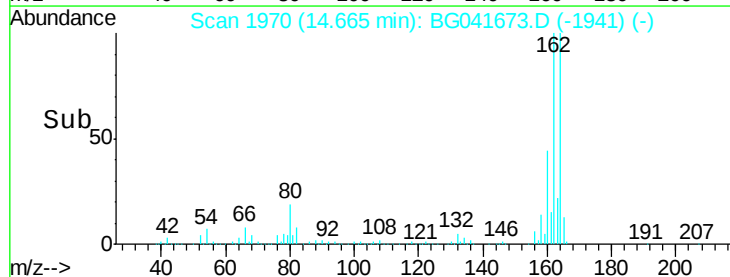
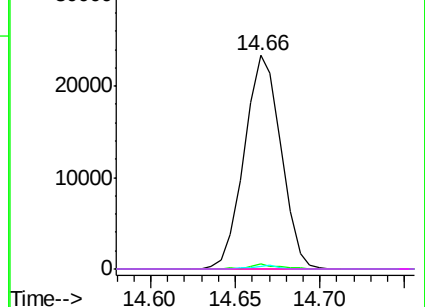


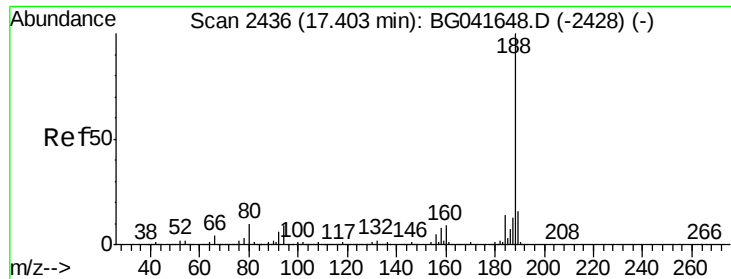
Abundance Ion 165.00 (164.70 to 165.70): E

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

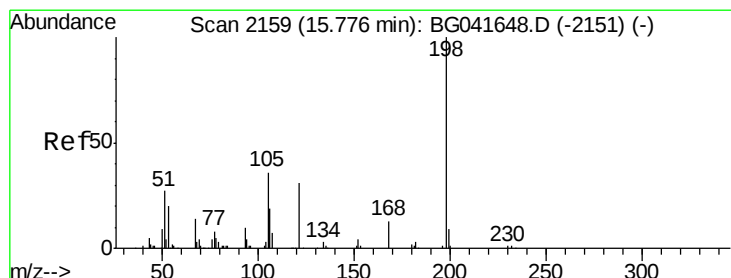
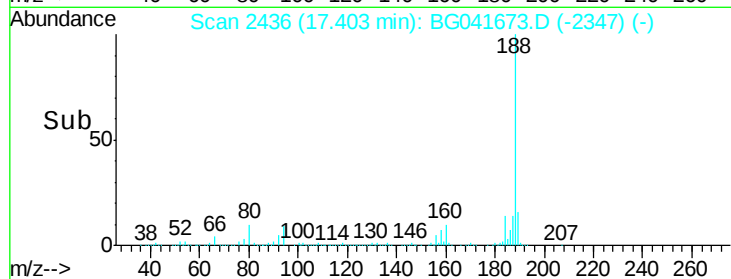
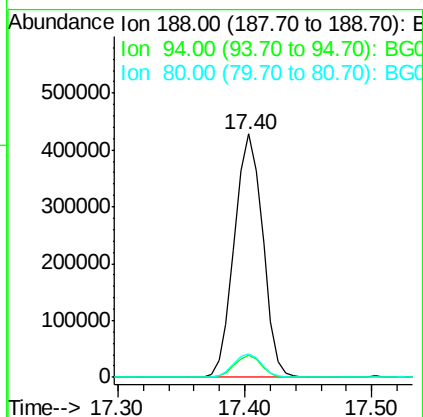
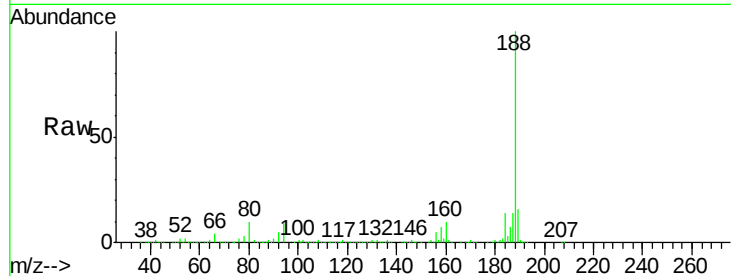




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.01 min
Lab File: BG041673.D
Acq: 16 Jul 2019 18:16

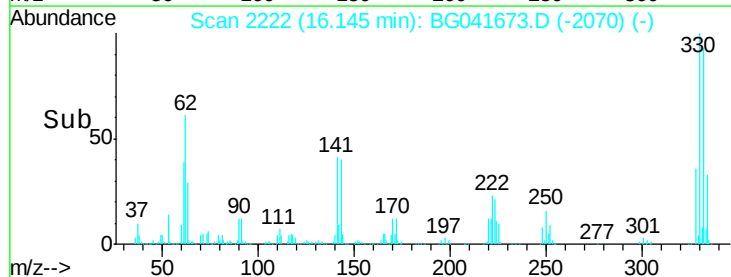
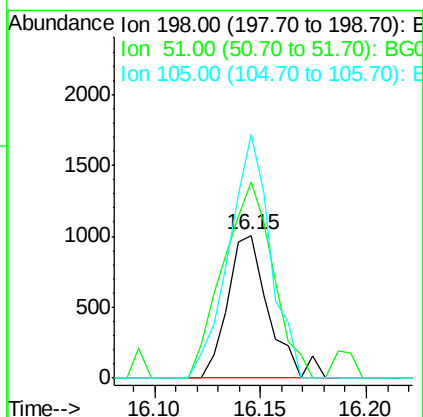
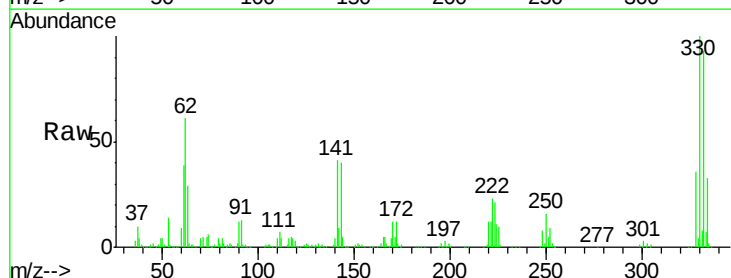
Instrument :
BNA_G
ClientSampleId :

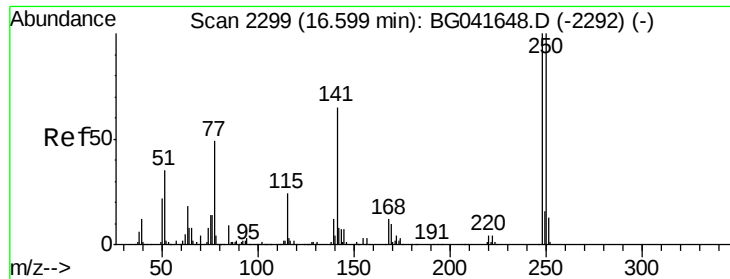
Tot Ion:188 Resp: 662260
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 9.6 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 7.043 ng
RT: 16.15 min Scan# 2222
Delta R.T. 0.37 min
Lab File: BG041673.D
Acq: 16 Jul 2019 18:16

Tgt Ion:198 Resp: 1348
Ion Ratio Lower Upper
198 100
51 137.6 22.3 62.3#
105 170.2 18.0 58.0#

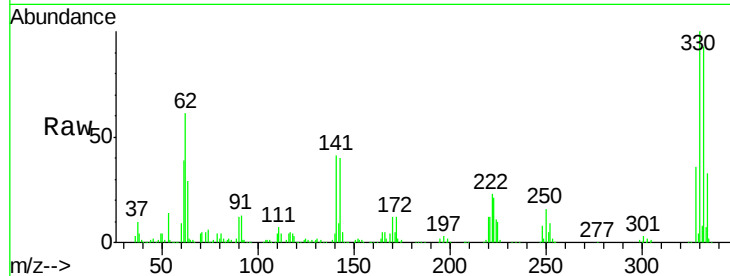




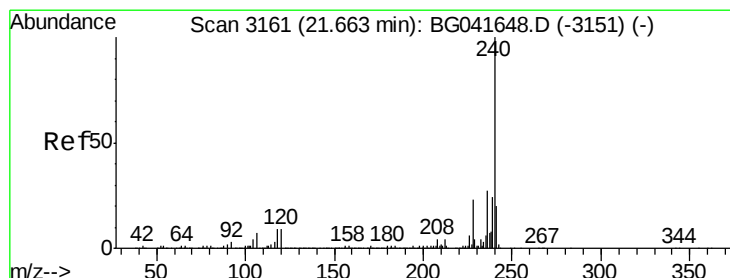
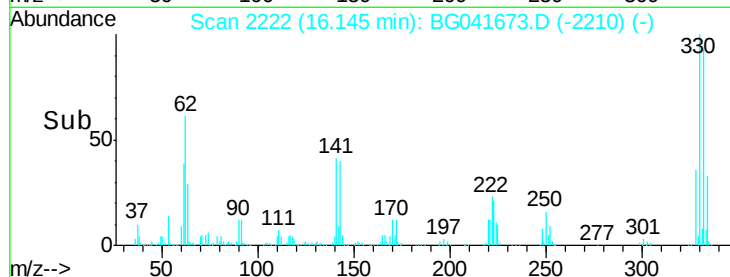
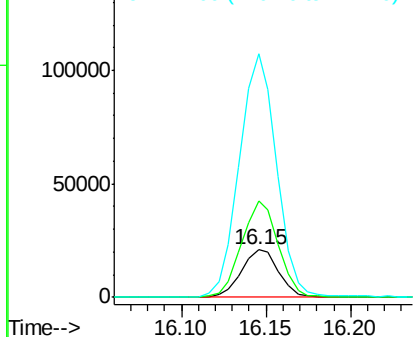
#67
 4-Bromophenyl-phenylether
 Concen: 4.098 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041673.D
 Acq: 16 Jul 2019 18:16

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	203.1	78.1	117.1#
141	513.7	49.6	74.4#

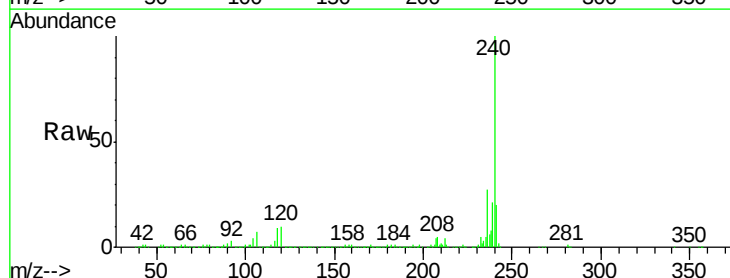


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

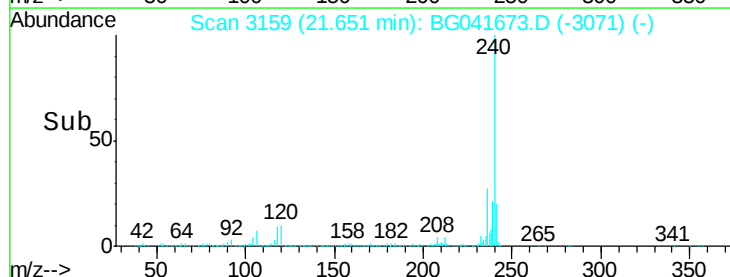
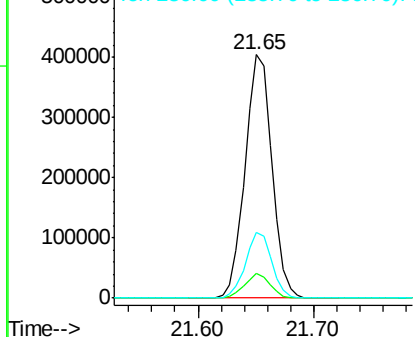


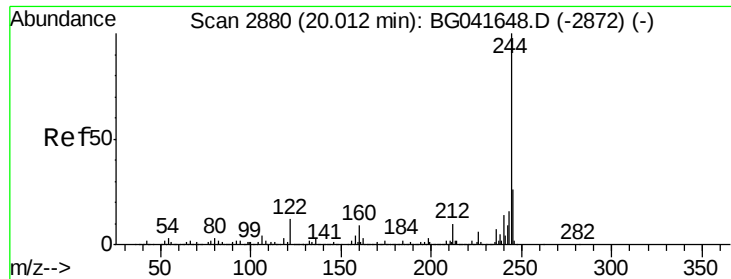
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG041673.D
 Acq: 16 Jul 2019 18:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	27.1	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: 85.279 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG041673.D

Acq: 16 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

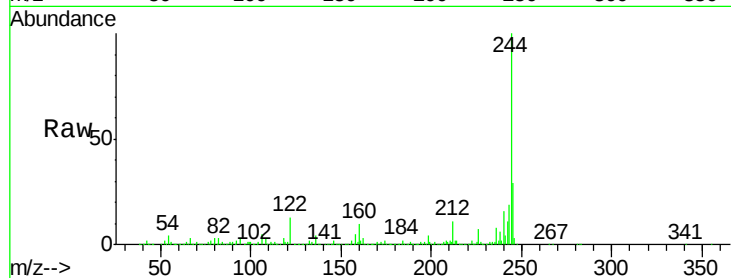
Tot Ion:244 Resp: 2378719

Ion Ratio Lower Upper

244 100

212 11.0 9.7 14.5

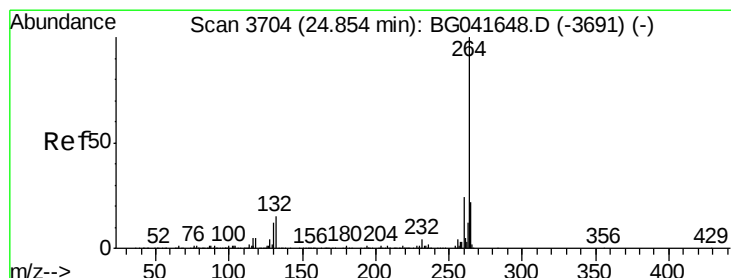
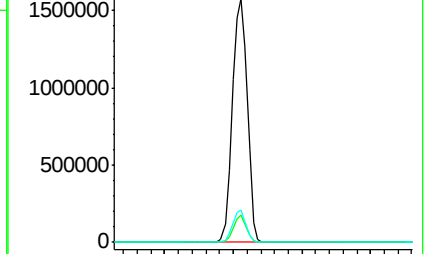
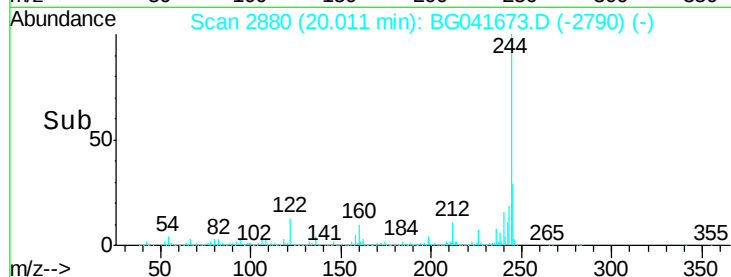
122 13.5 12.5 18.7



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: BG041673.D

Acq: 16 Jul 2019 18:16

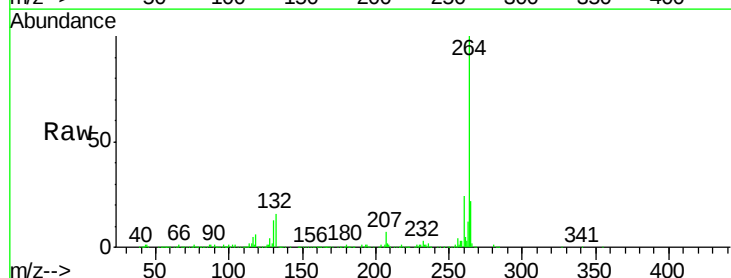
Tgt Ion:264 Resp: 725214

Ion Ratio Lower Upper

264 100

260 23.5 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

