

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038972.D
 Acq On : 7 Jan 2019 18:33
 Operator : JU/SJ
 Sample : K1036-04RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 03:10:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

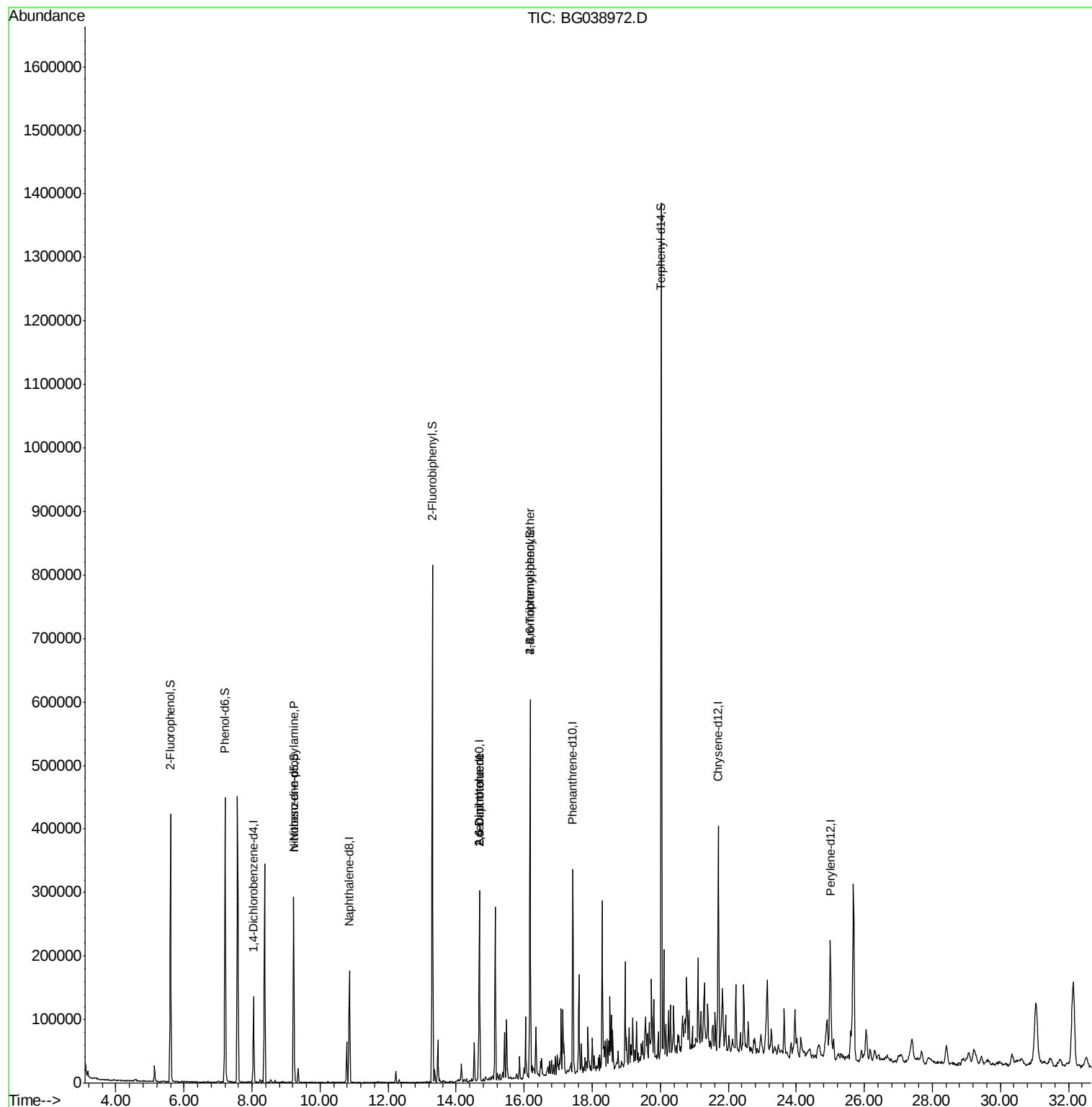
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	39661	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	157319	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	100154	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	216303	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	222621	20.00	ng	-0.02
87) Perylene-d12	25.00	264	229828	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	188796	84.43	ng	0.00
7) Phenol-d6	7.21	99	265271	86.41	ng	0.00
23) Nitrobenzene-d5	9.22	82	164041	53.27	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	123509	89.48	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	449541	61.58	ng	-0.02
79) Terphenyl-d14	20.03	244	665167	65.03	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	23699	10.992	ng	# 66
51) 2,6-Dinitrotoluene	14.68	165	13800	7.445	ng	# 22
57) 2,4-Dinitrotoluene	14.68	165	13800	5.286	ng	# 24
67) 4-Bromophenyl-phenylether	16.17	248	7789	2.949	ng	# 1

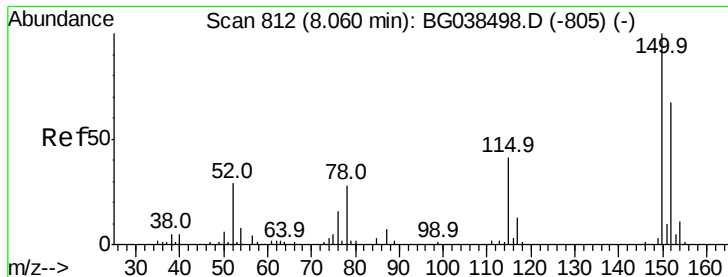
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 08 03:10:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



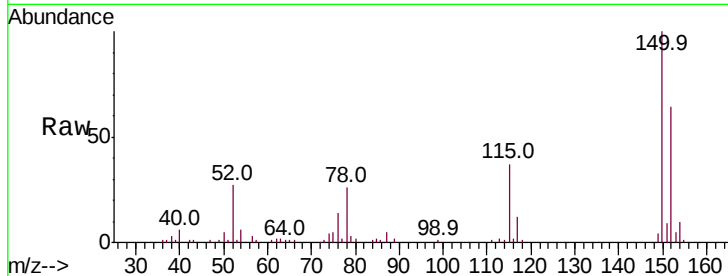


#1

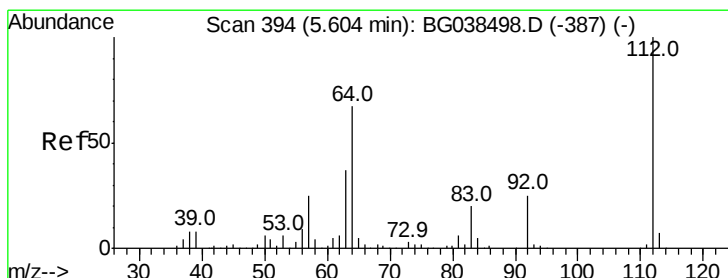
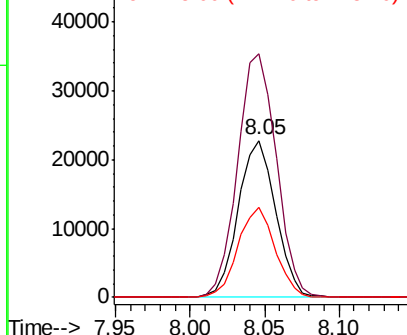
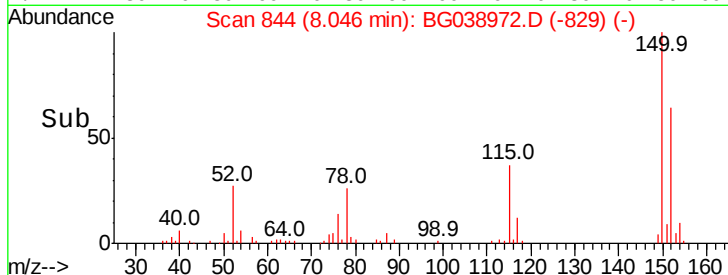
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038972.D
Acq: 7 Jan 2019 18:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 39661
Ion Ratio Lower Upper
152 100
150 155.4 119.5 179.3
115 57.1 49.6 74.4



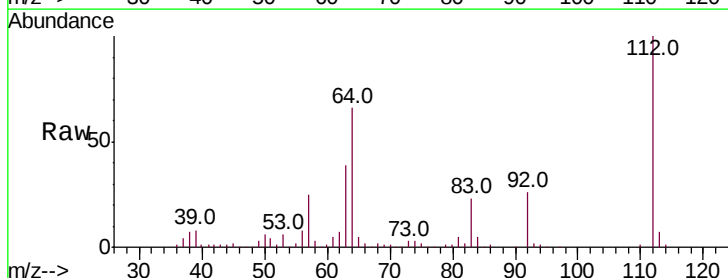
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



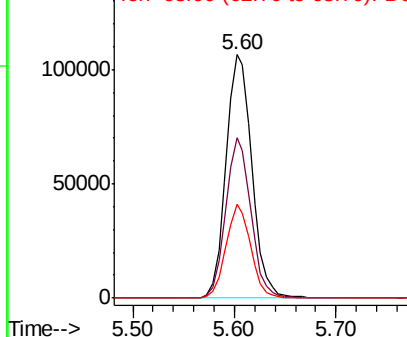
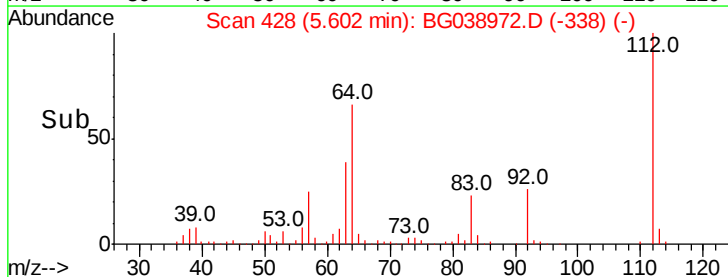
#5

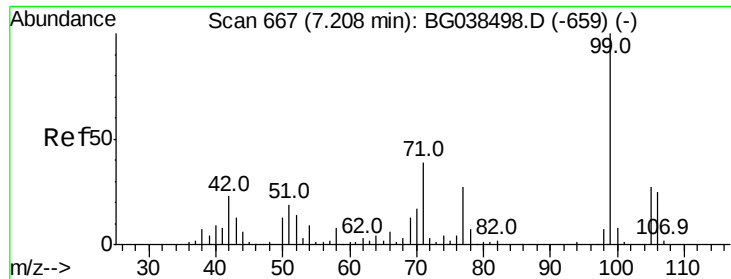
2-Fluorophenol
Concen: 84.430 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038972.D
Acq: 7 Jan 2019 18:33

Tgt Ion:112 Resp: 188796
Ion Ratio Lower Upper
112 100
64 65.7 53.4 80.2
63 38.7 29.3 43.9



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





#7

Phenol-d6

Concen: 86.414 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038972.D

Acq: 7 Jan 2019 18:33

Instrument :

BNA_G

ClientSampleId :

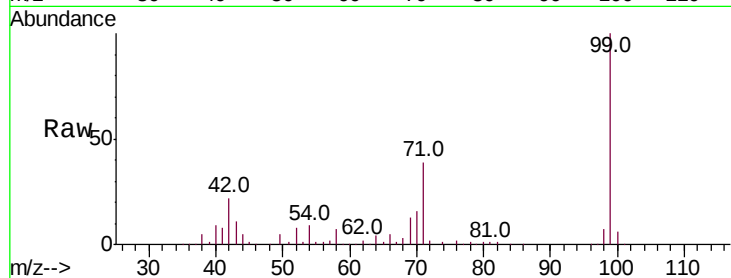
Tot Ion: 99 Resp: 265271

Ion Ratio Lower Upper

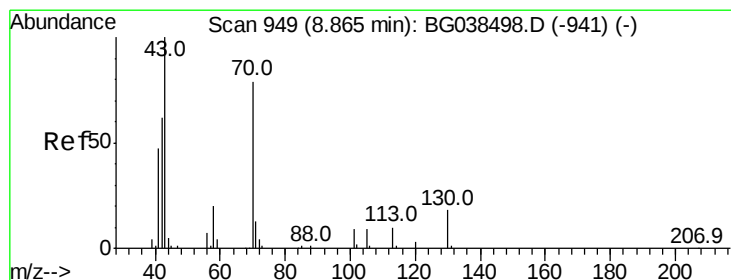
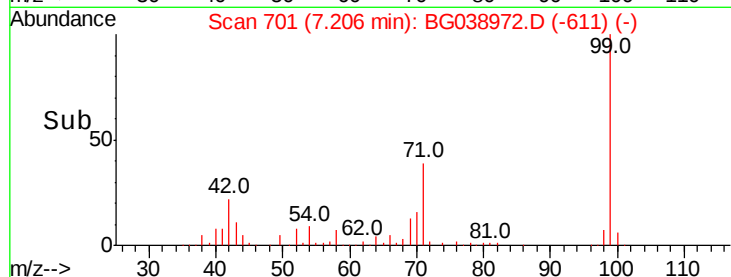
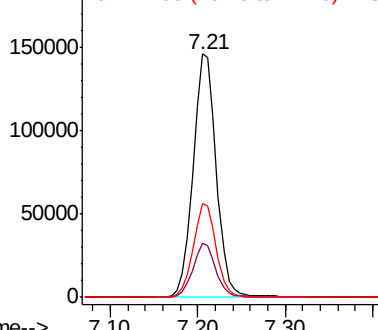
99 100

42 22.5 18.5 27.7

71 38.8 31.1 46.7



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: 10.992 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038972.D

Acq: 7 Jan 2019 18:33

Tgt Ion: 70 Resp: 23699

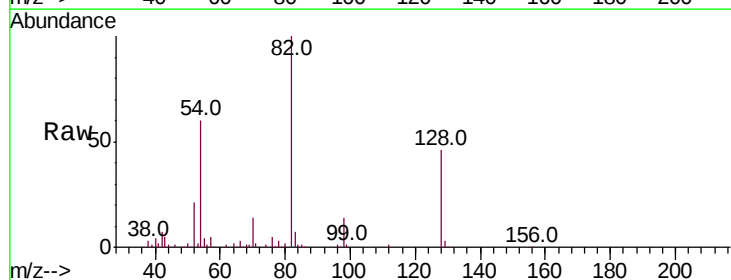
Ion Ratio Lower Upper

70 100

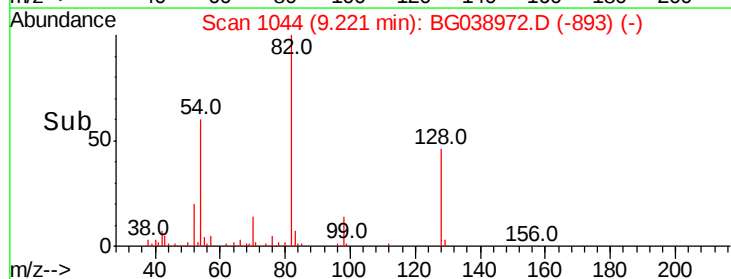
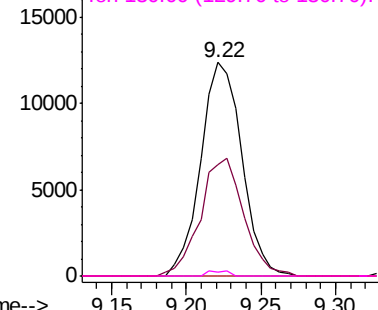
42 52.2 63.6 95.4#

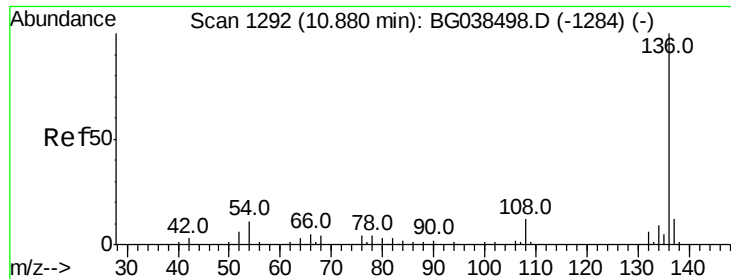
101 0.0 9.2 13.8#

130 1.6 18.5 27.7#



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

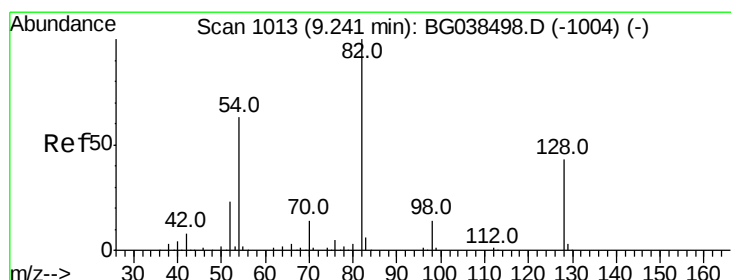
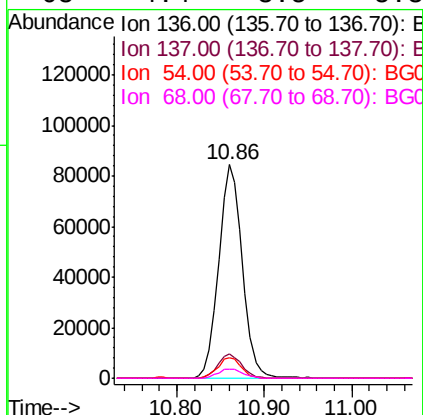
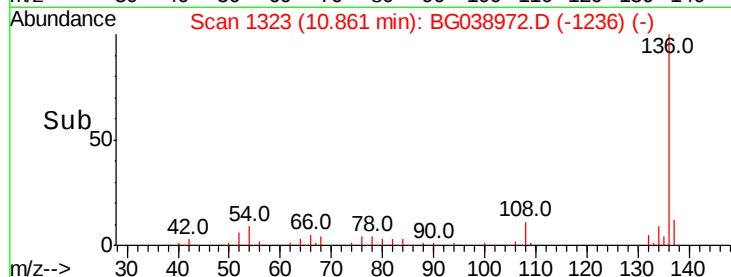
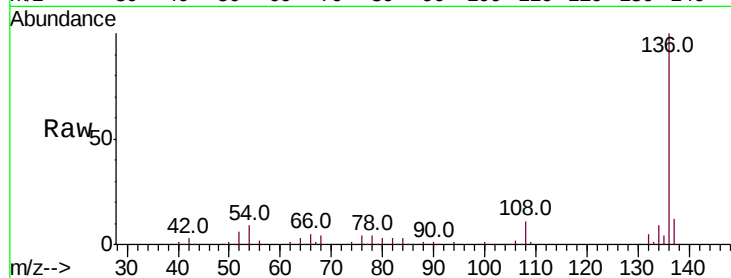




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038972.D
Acq: 7 Jan 2019 18:33

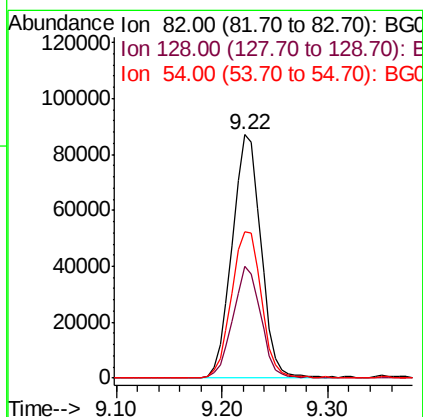
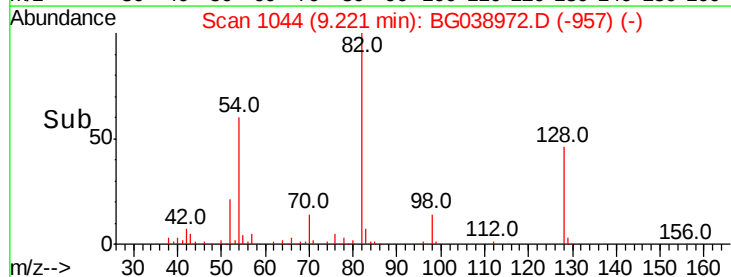
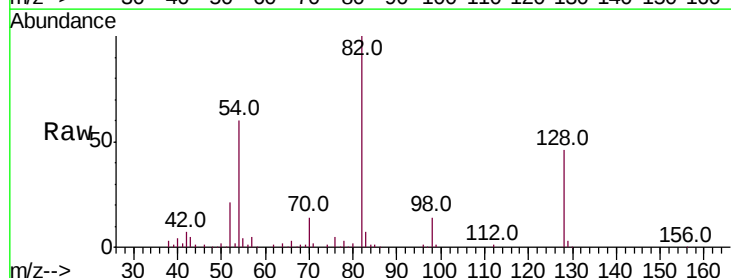
Instrument :
BNA_G
ClientSampleId :

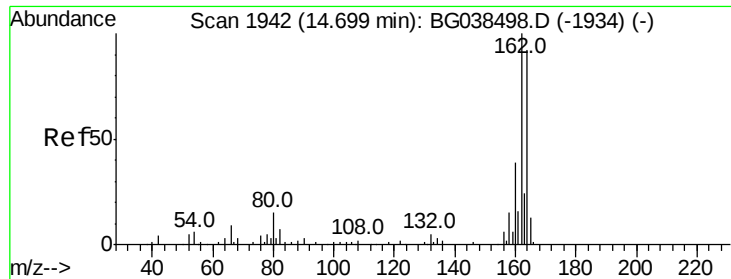
Tot Ion:	136	Resp:	157319
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	9.4	8.5	12.7
68	4.4	3.5	5.3



#23
Nitrobenzene-d5
Concen: 53.270 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038972.D
Acq: 7 Jan 2019 18:33

Tgt Ion:	82	Resp:	164041
Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.6	52.0
54	59.9	50.6	76.0

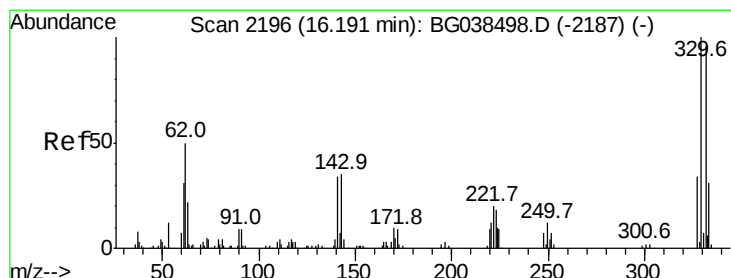
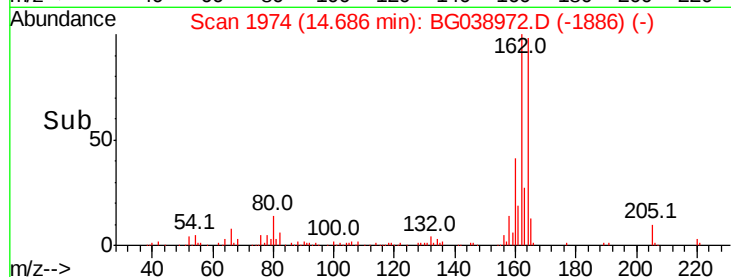
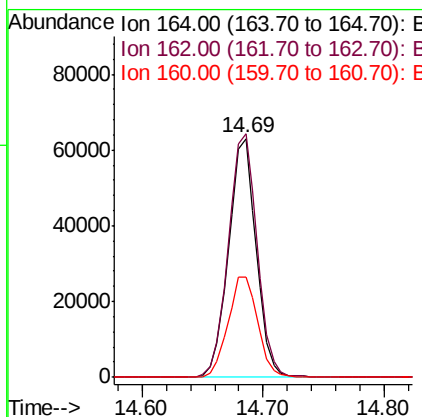
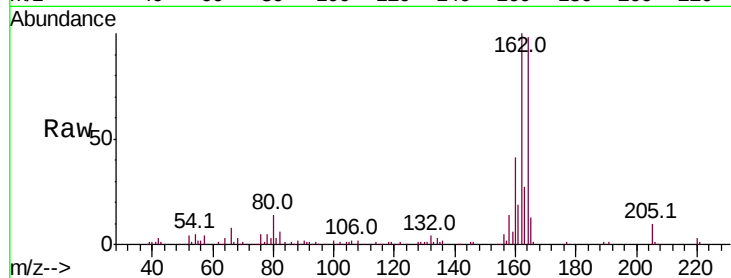




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG038972.D
 Acq: 7 Jan 2019 18:33

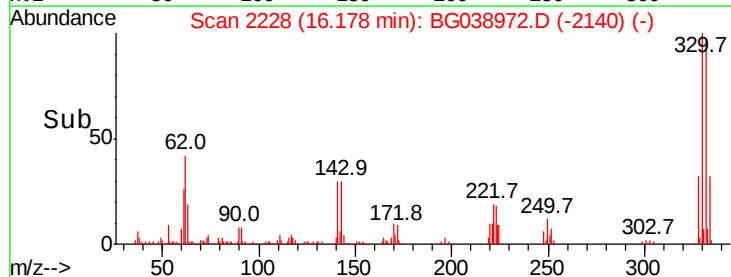
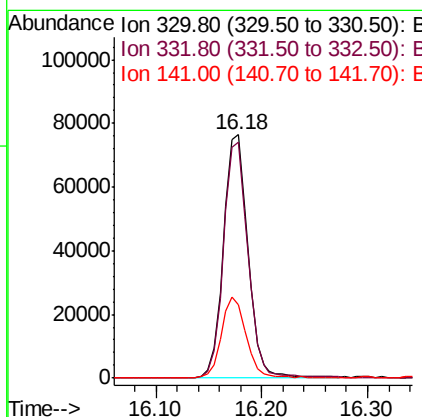
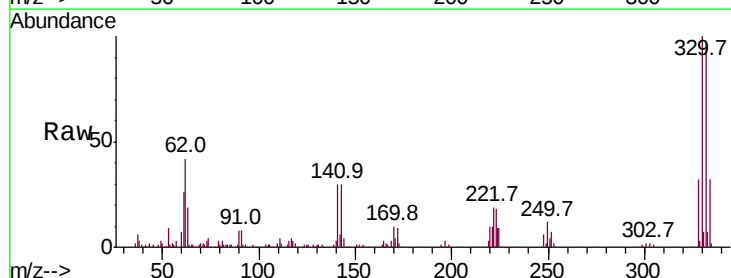
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 100154
 Ion Ratio Lower Upper
 164 100
 162 102.0 86.6 130.0
 160 41.9 34.2 51.2



#42
 2,4,6-Tribromophenol
 Concen: 89.480 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038972.D
 Acq: 7 Jan 2019 18:33

Tgt Ion:330 Resp: 123509
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.9 115.3
 141 33.6 28.8 43.2

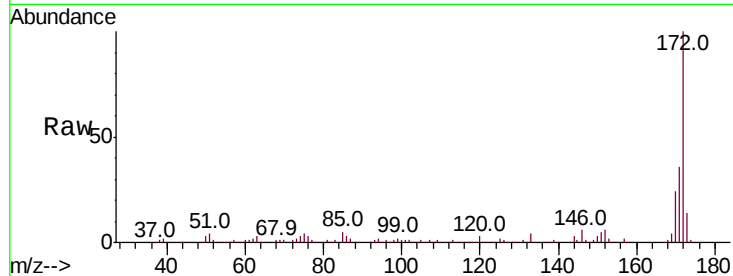




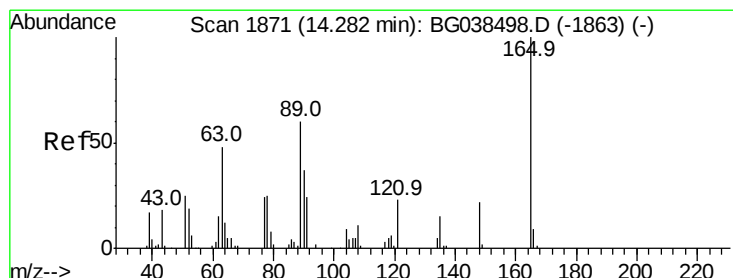
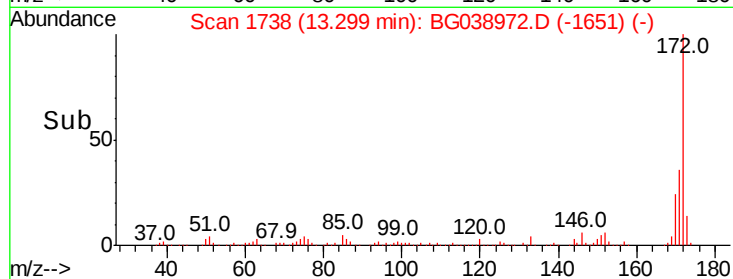
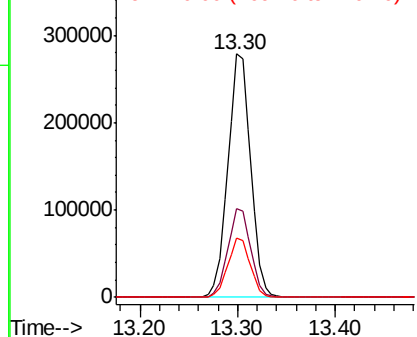
#45
 2-Fluorobiphenyl
 Concen: 61.575 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038972.D
 Acq: 7 Jan 2019 18:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 449541
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.8 44.6
 170 24.3 19.5 29.3

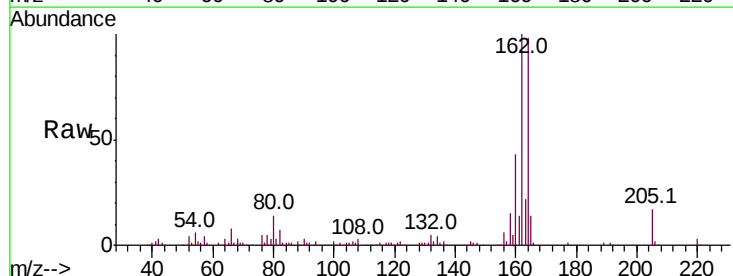


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

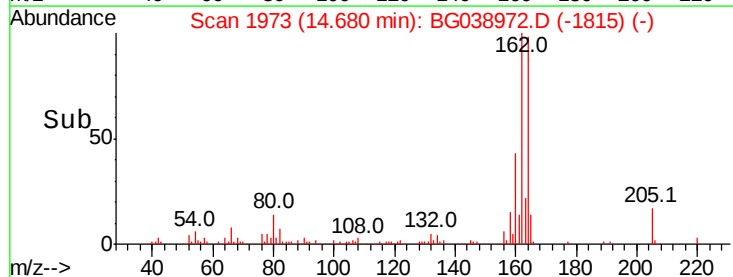
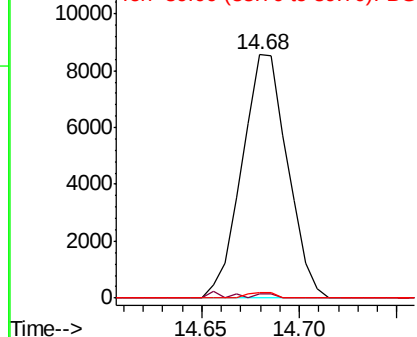


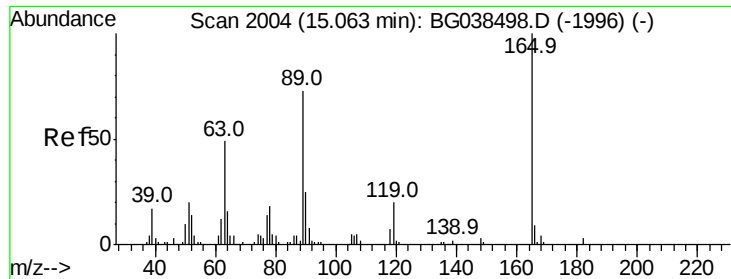
#51
 2,6-Dinitrotoluene
 Concen: 7.445 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038972.D
 Acq: 7 Jan 2019 18:33

Tgt Ion:165 Resp: 13800
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.8 77.6#
 89 2.5 47.9 71.9#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG





#57

2,4-Dinitrotoluene

Concen: 5.286 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.38 min

Lab File: BG038972.D

Acq: 7 Jan 2019 18:33

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 13800

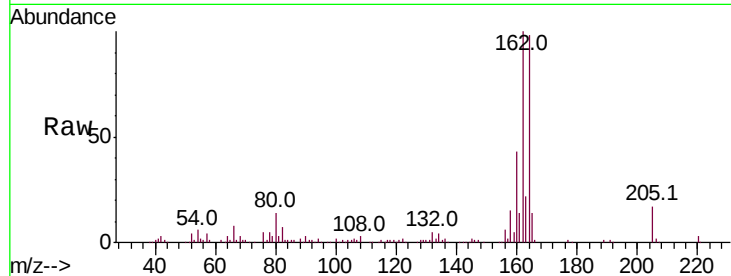
Ion Ratio Lower Upper

165 100

63 1.8 39.0 58.4#

89 2.5 58.0 87.0#

182 0.0 2.3 3.5#

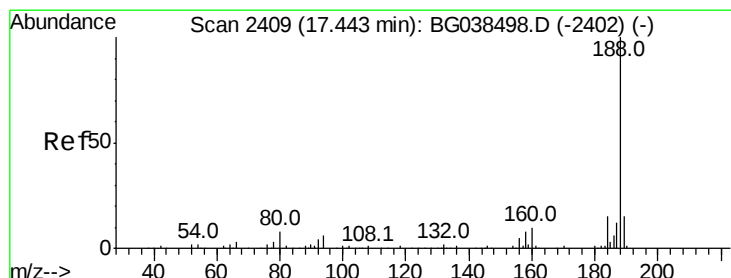
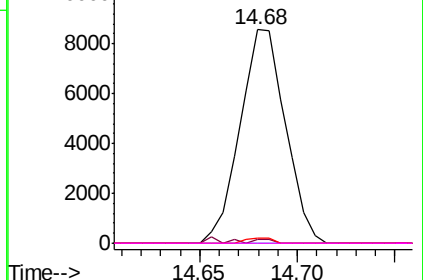
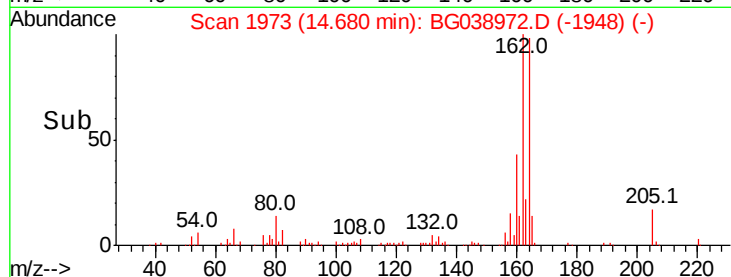


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG038972.D

Acq: 7 Jan 2019 18:33

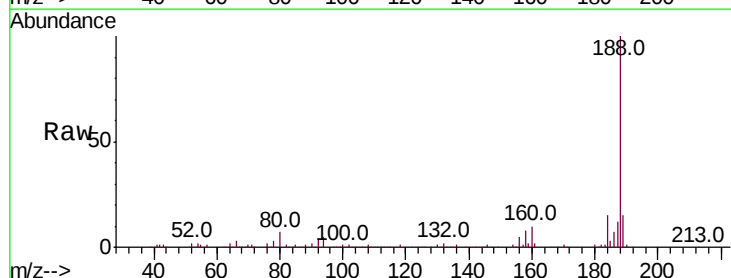
Tgt Ion:188 Resp: 216303

Ion Ratio Lower Upper

188 100

94 5.4 5.1 7.7

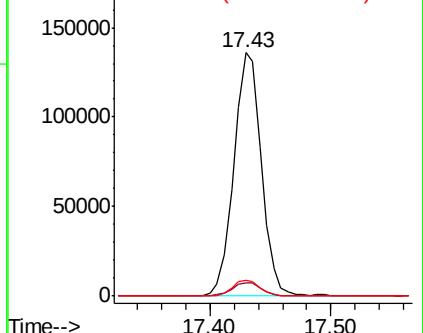
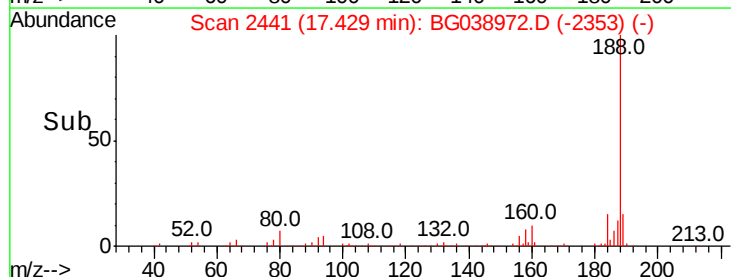
80 6.6 6.1 9.1

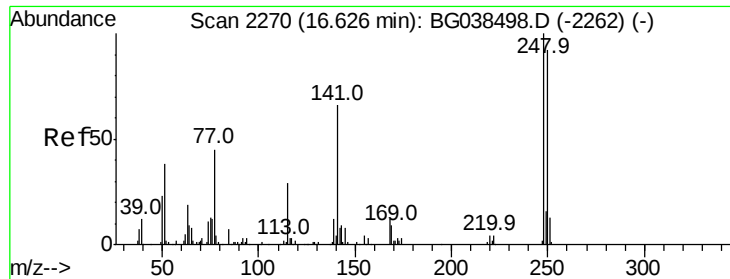


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

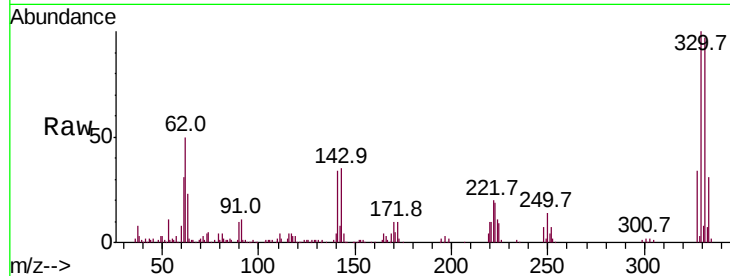




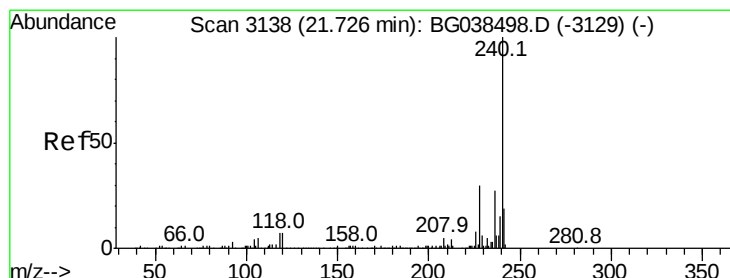
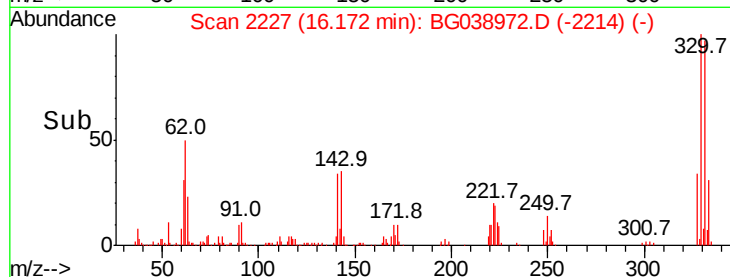
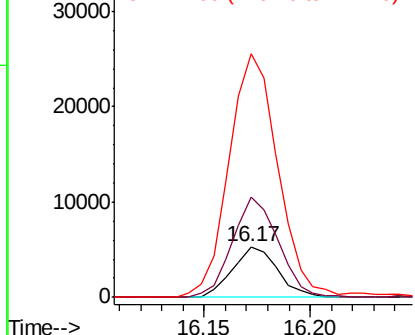
#67
4-Bromophenyl-phenylether
Concen: 2.949 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.45 min
Lab File: BG038972.D
Acq: 7 Jan 2019 18:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 7789
Ion Ratio Lower Upper
248 100
250 195.5 73.4 110.2#
141 477.7 52.9 79.3#

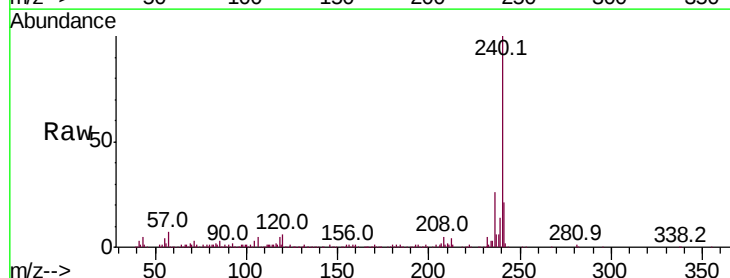


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

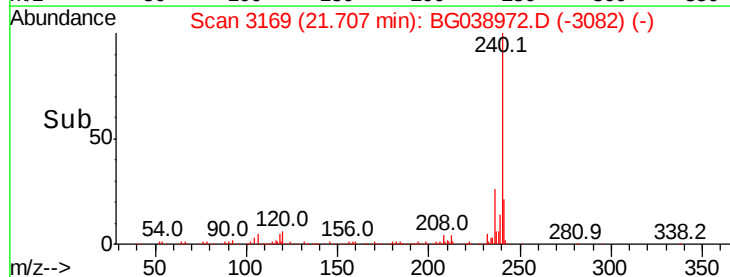
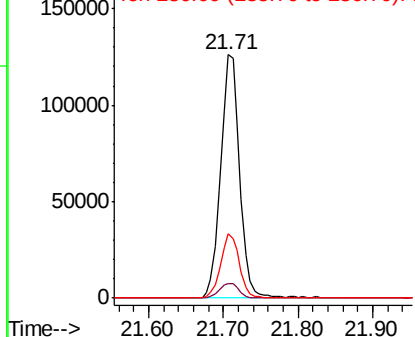


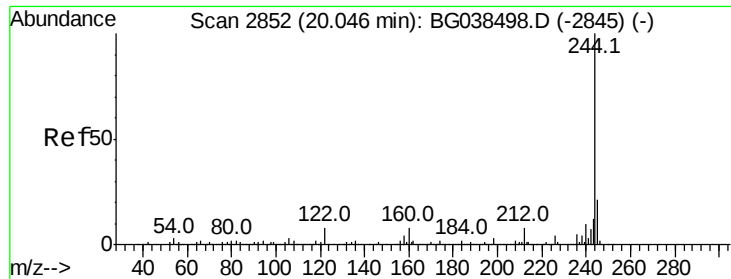
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.02 min
Lab File: BG038972.D
Acq: 7 Jan 2019 18:33

Tgt Ion:240 Resp: 222621
Ion Ratio Lower Upper
240 100
120 6.1 5.3 7.9
236 26.4 21.4 32.2



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: 65.026 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038972.D

Acq: 7 Jan 2019 18:33

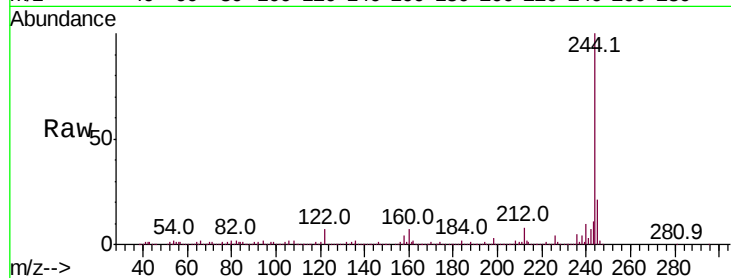
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 665167

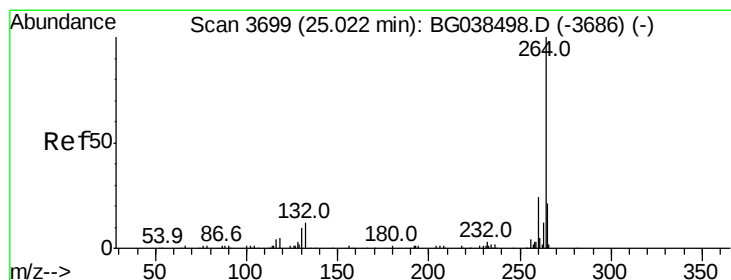
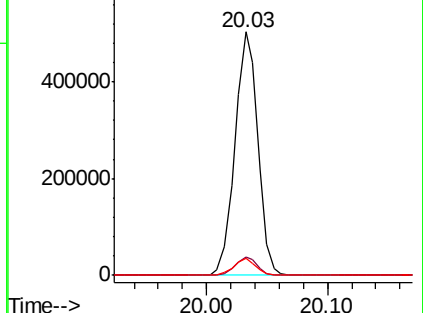
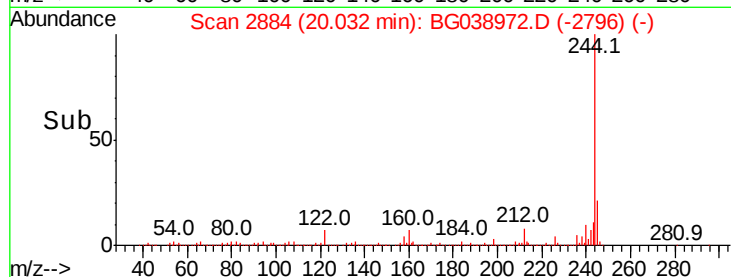
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	6.8	6.3	9.5



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: 25.00 min Scan# 3729

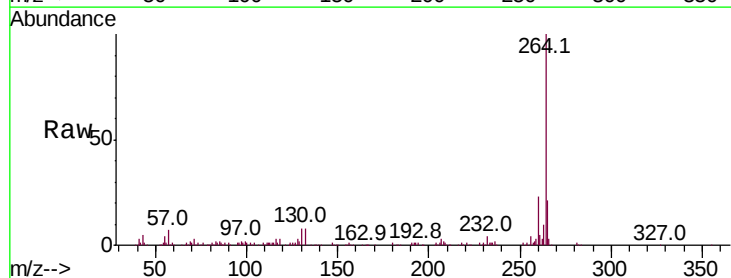
Delta R.T. -0.03 min

Lab File: BG038972.D

Acq: 7 Jan 2019 18:33

Tgt Ion:264 Resp: 229828

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.9	28.3
265	20.6	17.0	25.4



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

