

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101118\
 Data File : BG037270.D
 Acq On : 11 Oct 2018 23:14
 Operator : JU/SJ
 Sample : J5373-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT1499-3783-RT3026

Quant Time: Oct 12 06:51:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 13:59:58 2018
 Response via : Initial Calibration

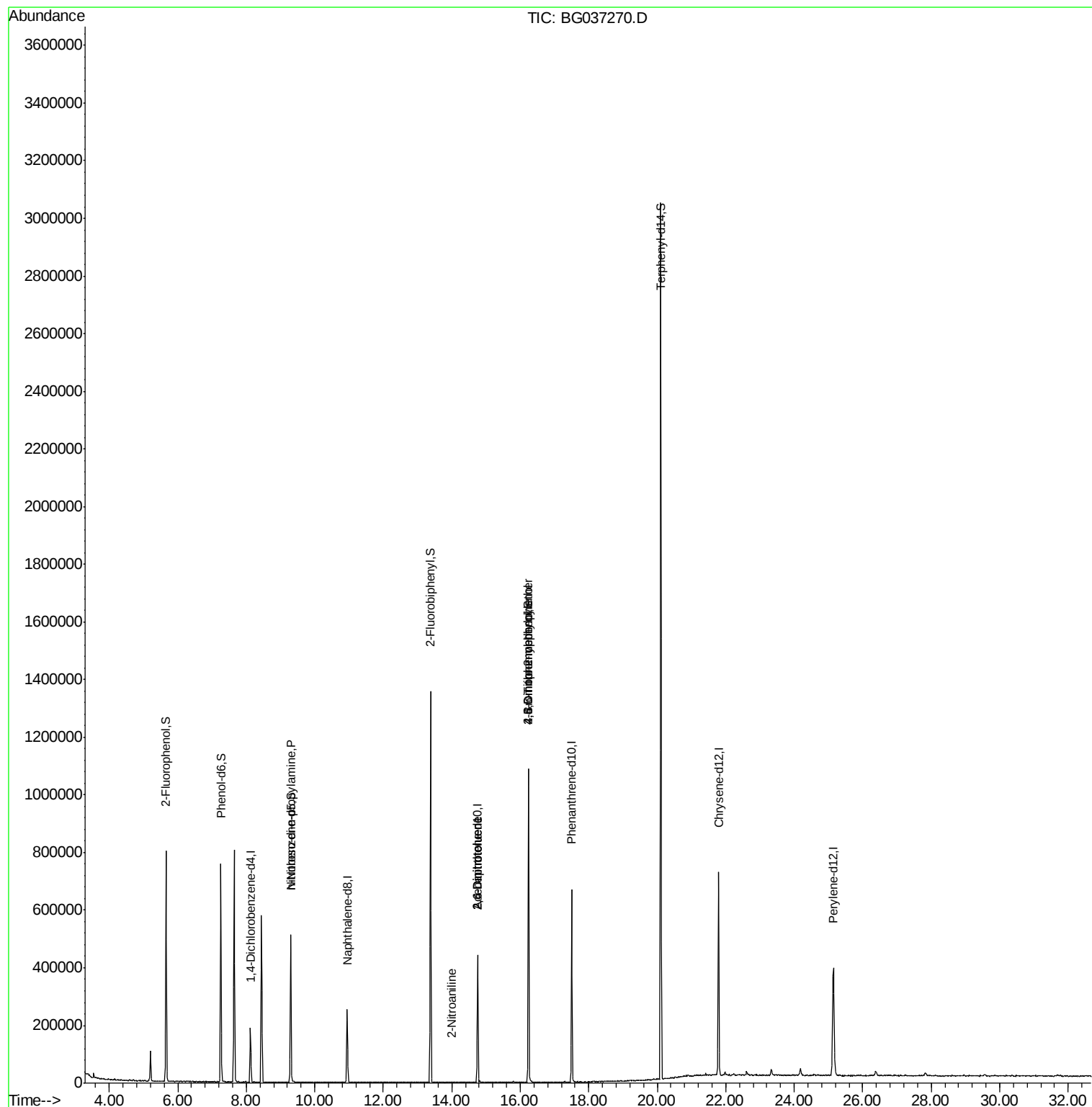
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	54542	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	232448	20.00	ng	0.00
39) Acenaphthene-d10	14.76	164	157350	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	411361	20.00	ng	0.00
76) Chrysene-d12	21.79	240	421266	20.00	ng	0.00
87) Perylene-d12	25.14	264	414007	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	351950	113.56	ng	0.00
7) Phenol-d6	7.26	99	467160	99.31	ng	0.00
23) Nitrobenzene-d5	9.30	82	297377	84.11	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	193353	125.30	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	743635	70.97	ng	0.00
79) Terphenyl-d14	20.10	244	1430078	71.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	39585	11.115	ng	# 72
48) 2-Nitroaniline	14.00	65	71	5.779	ng	# 7
51) 2,6-Dinitrotoluene	14.75	165	19957	12.287	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	19957	11.168	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.24	198	556	6.324	ng	# 76
67) 4-Bromophenyl-phenylether	16.24	248	14098	3.176	ng	# 1

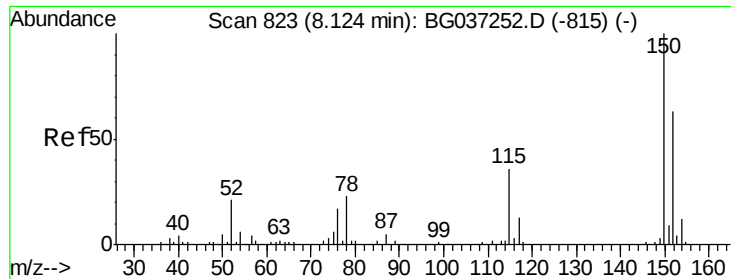
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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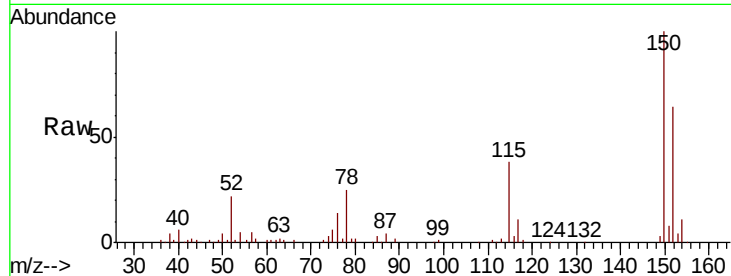


#1

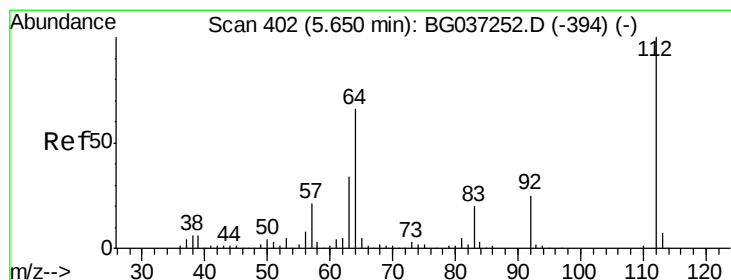
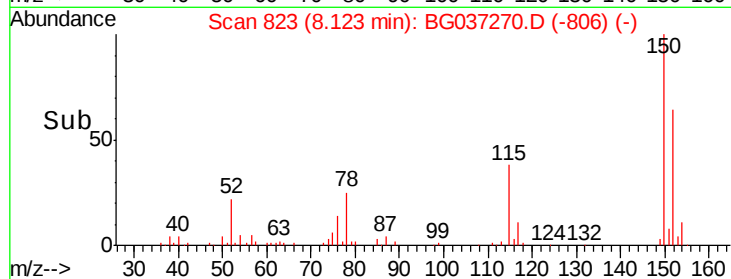
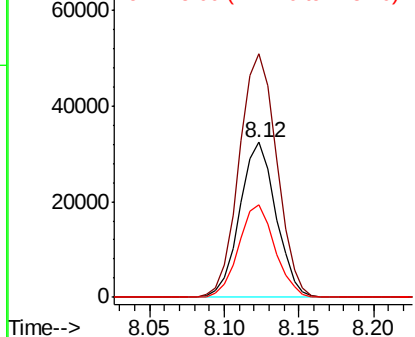
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 823
Delta R.T. -0.00 min
Lab File: BG037270.D
Acq: 11 Oct 2018 23:14

Instrument :
BNA_G
ClientSampleId :
RT1499-3783-RT3026

Tgt Ion:152 Resp: 54542
Ion Ratio Lower Upper
152 100
150 157.0 126.0 189.0
115 59.5 45.5 68.3



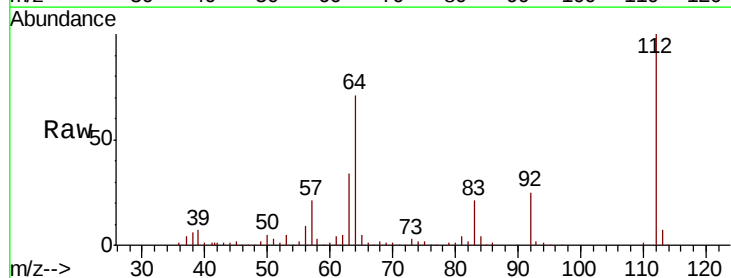
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



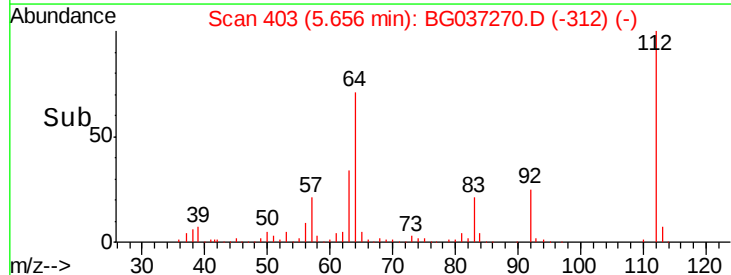
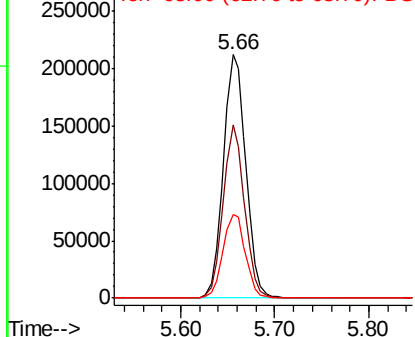
#5

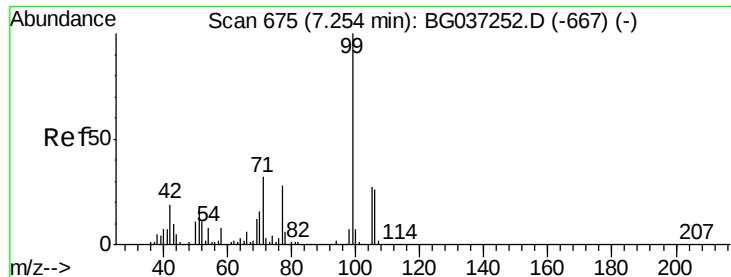
2-Fluorophenol
Concen: 113.564 ng
RT: 5.66 min Scan# 403
Delta R.T. 0.01 min
Lab File: BG037270.D
Acq: 11 Oct 2018 23:14

Tgt Ion:112 Resp: 351950
Ion Ratio Lower Upper
112 100
64 71.3 53.1 79.7
63 34.4 27.3 40.9



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: 99.311 ng

RT: 7.26 min Scan# 676

Delta R.T. 0.01 min

Lab File: BG037270.D

Acq: 11 Oct 2018 23:14

Instrument :

BNA_G

ClientSampleId :

RT1499-3783-RT3026

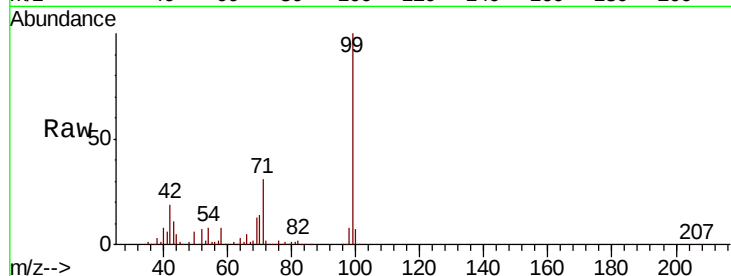
Tgt Ion: 99 Resp: 467160

Ion Ratio Lower Upper

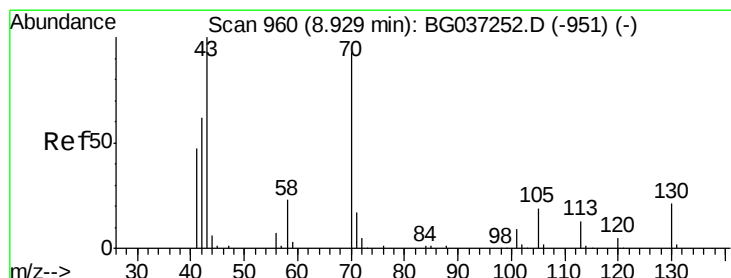
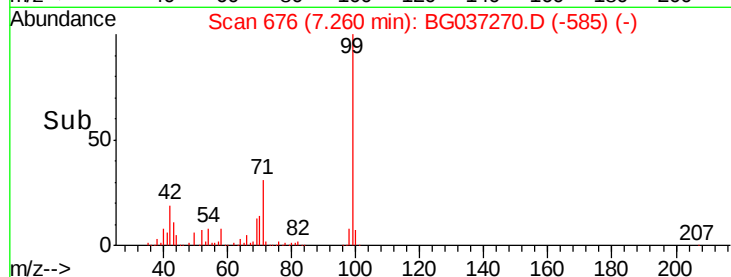
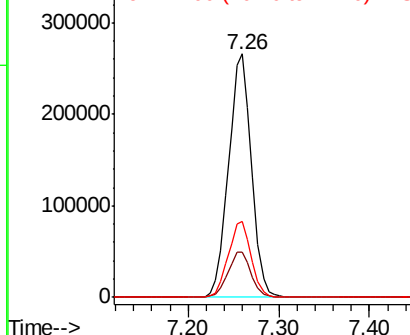
99 100

42 18.7 15.0 22.4

71 31.2 25.5 38.3



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: 11.115 ng

RT: 9.30 min Scan# 1023

Delta R.T. 0.37 min

Lab File: BG037270.D

Acq: 11 Oct 2018 23:14

Tgt Ion: 70 Resp: 39585

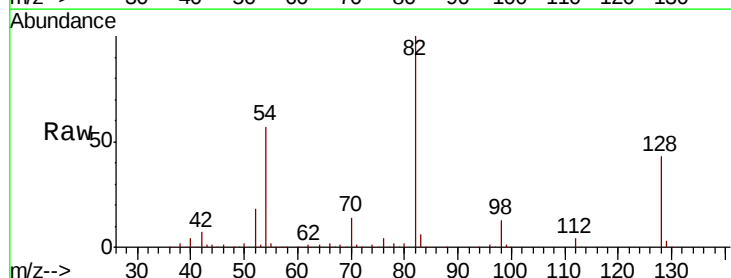
Ion Ratio Lower Upper

70 100

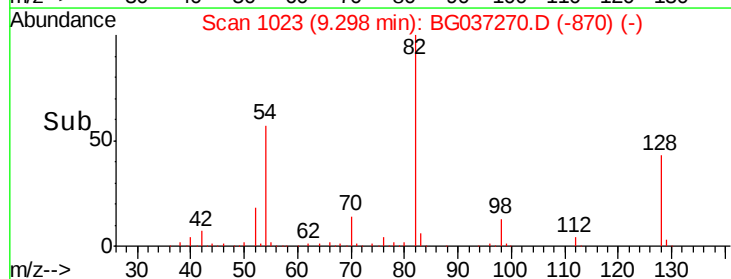
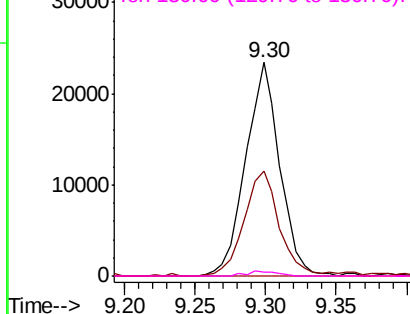
42 49.4 53.9 80.9#

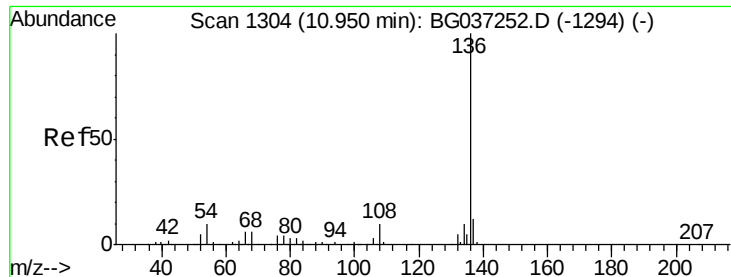
101 0.0 8.2 12.2#

130 2.0 18.2 27.4#



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

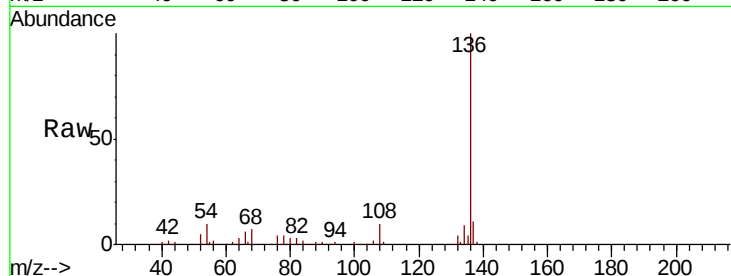




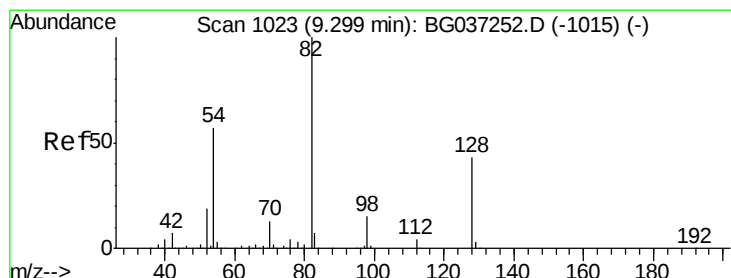
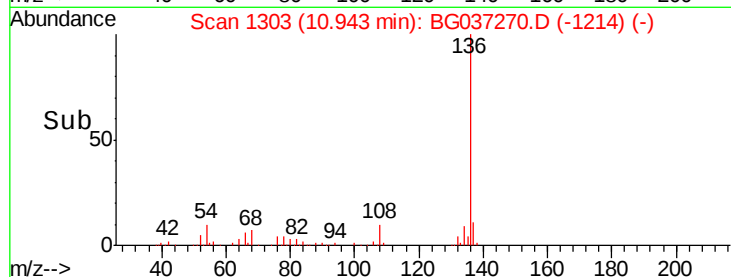
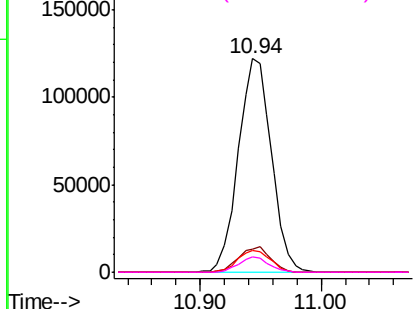
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG037270.D
Acq: 11 Oct 2018 23:14

Instrument :
BNA_G
ClientSampleId :
RT1499-3783-RT3026

Tgt Ion:	136	Resp:	232448
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.6	14.4
54	10.5	7.9	11.9
68	7.0	4.8	7.2

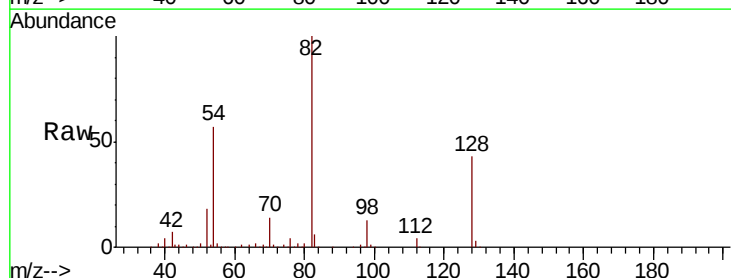


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

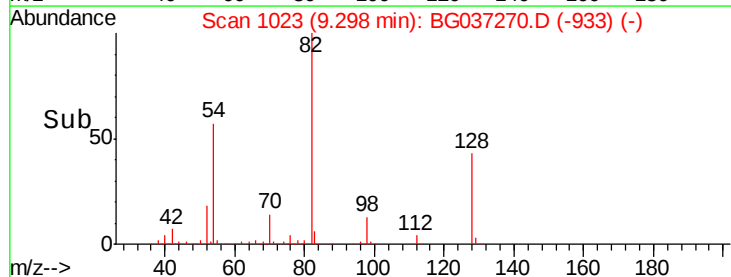
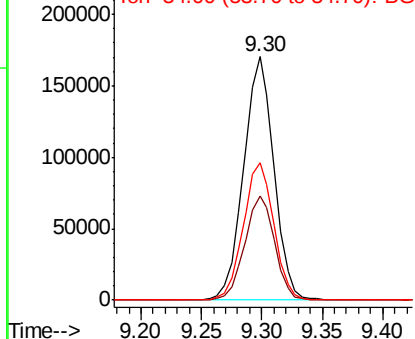


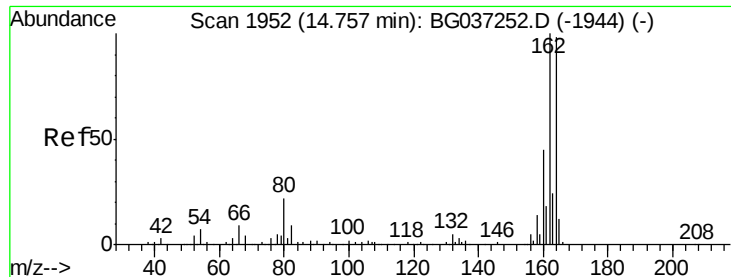
#23
Nitrobenzene-d5
Concen: 84.109 ng
RT: 9.30 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG037270.D
Acq: 11 Oct 2018 23:14

Tgt Ion:	82	Resp:	297377
Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	51.8
54	56.7	45.3	67.9



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG037270.D

Acq: 11 Oct 2018 23:14

Instrument :

BNA_G

ClientSampleId :

RT1499-3783-RT3026

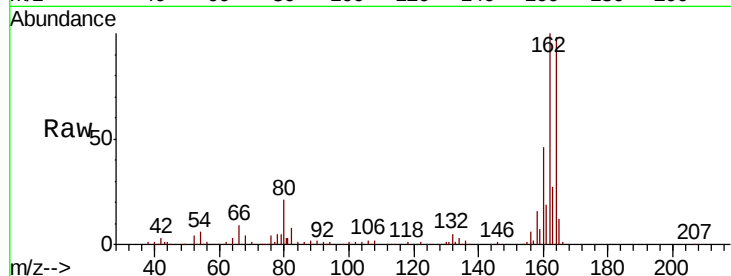
Tgt Ion:164 Resp: 157350

Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

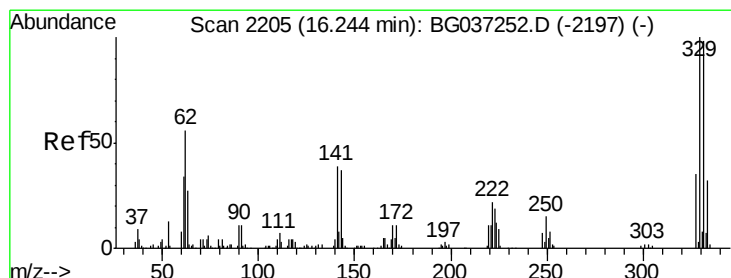
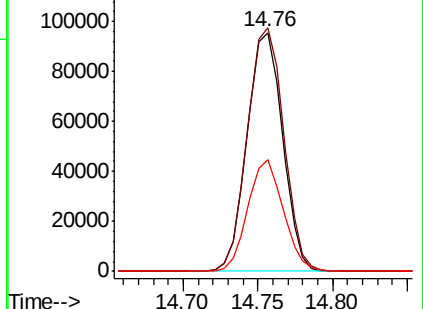
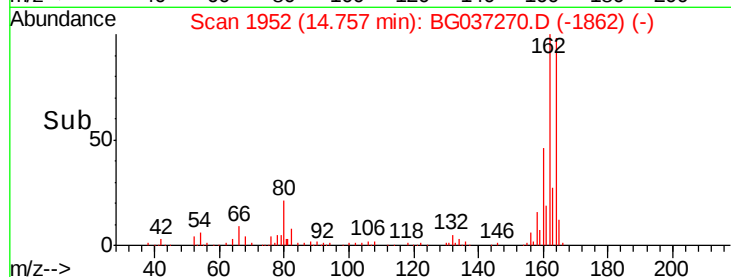
160 46.9 36.3 54.5



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: 125.296 ng

RT: 16.24 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG037270.D

Acq: 11 Oct 2018 23:14

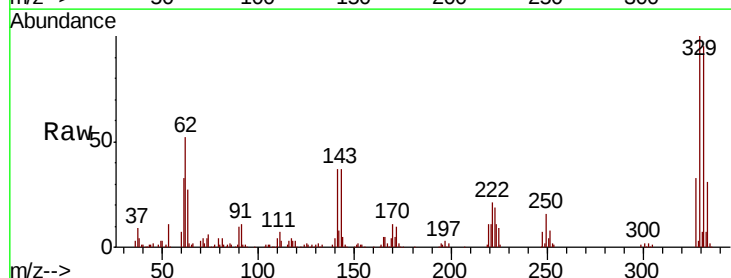
Tgt Ion:330 Resp: 193353

Ion Ratio Lower Upper

330 100

332 97.0 78.4 117.6

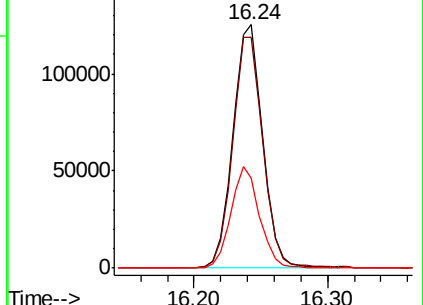
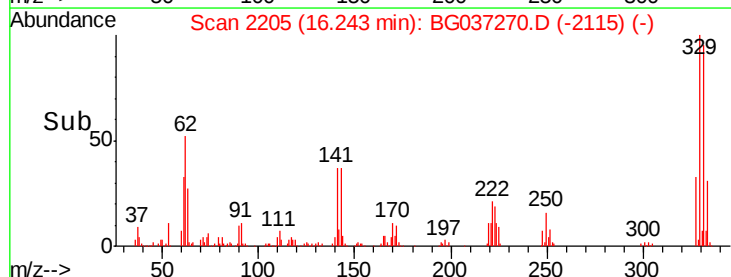
141 40.6 32.2 48.2

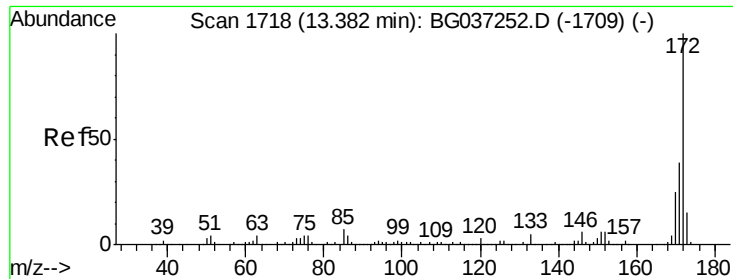


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

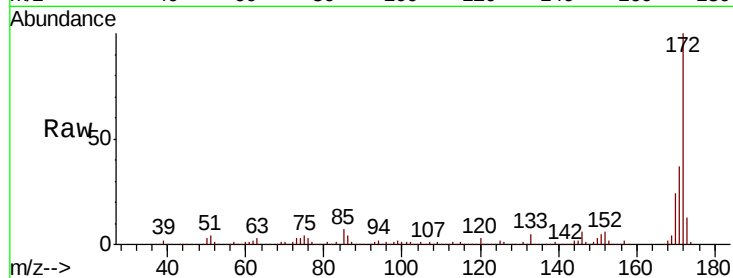




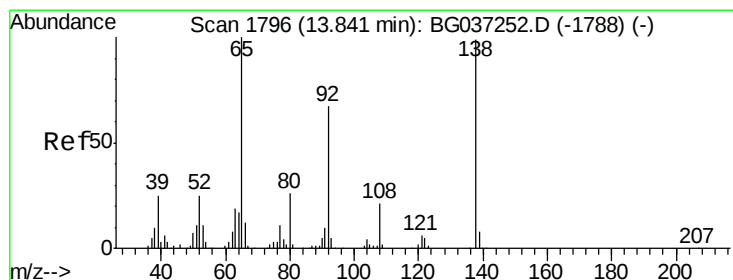
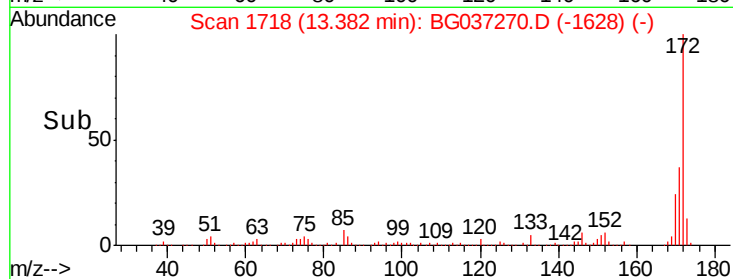
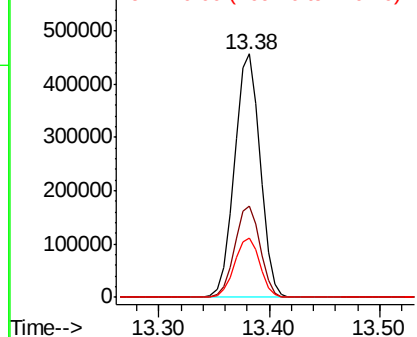
#45
 2-Fluorobiphenyl
 Concen: 70.973 ng
 RT: 13.38 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG037270.D
 Acq: 11 Oct 2018 23:14

Instrument :
 BNA_G
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 RT1499-3783-RT3026

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.0	46.4
170	24.3	20.2	30.2

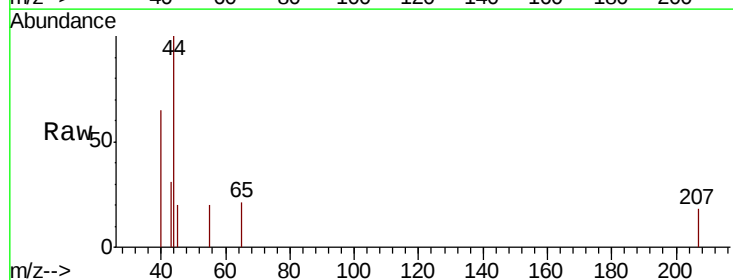


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

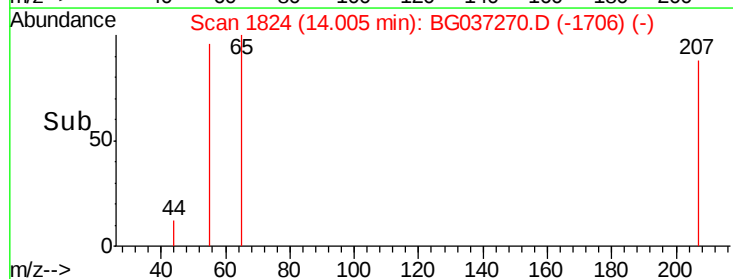
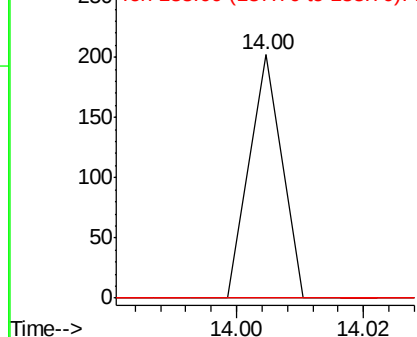


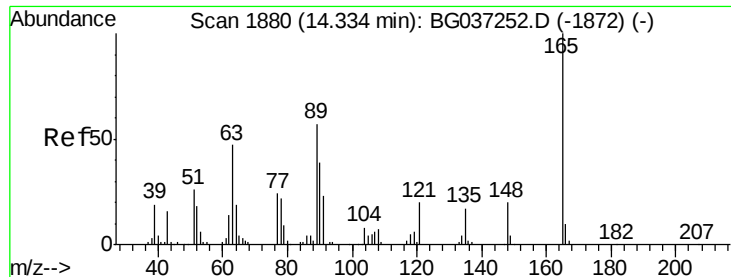
#48
 2-Nitroaniline
 Concen: 5.779 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. 0.16 min
 Lab File: BG037270.D
 Acq: 11 Oct 2018 23:14

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.2	79.8#
138	0.0	79.3	118.9#



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E

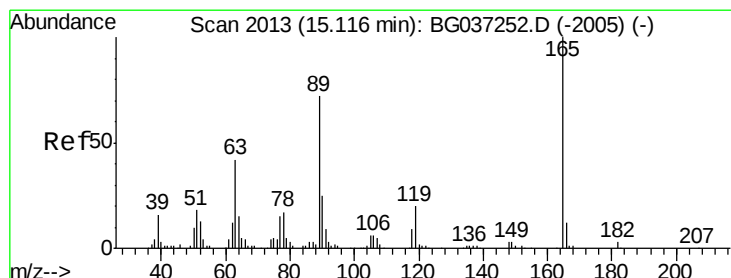
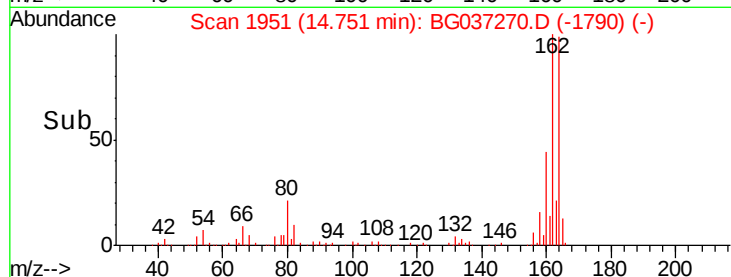
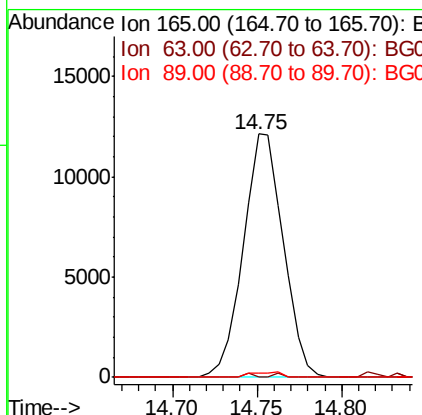
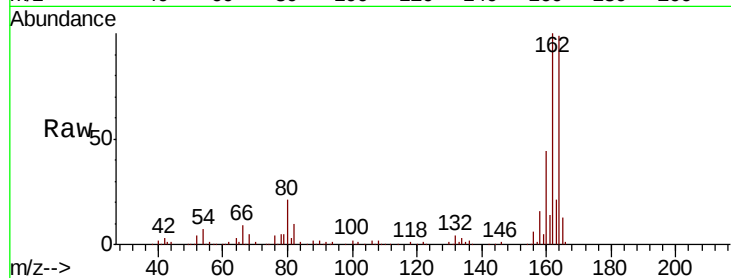




#51
 2,6-Dinitrotoluene
 Concen: 12.287 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. 0.42 min
 Lab File: BG037270.D
 Acq: 11 Oct 2018 23:14

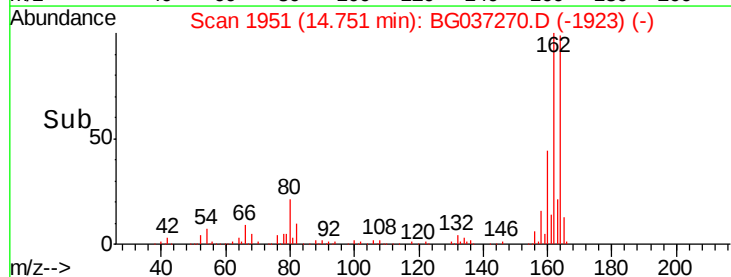
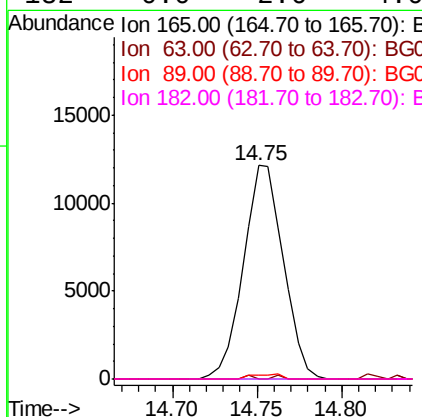
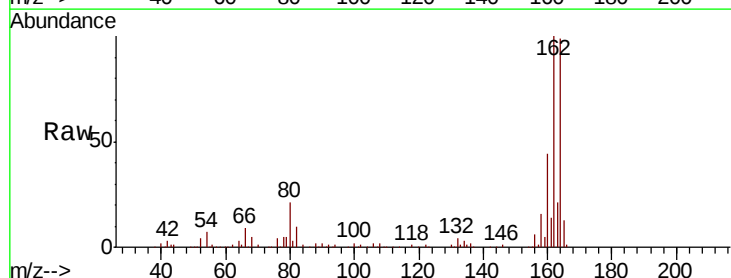
Instrument :
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 RT1499-3783-RT3026

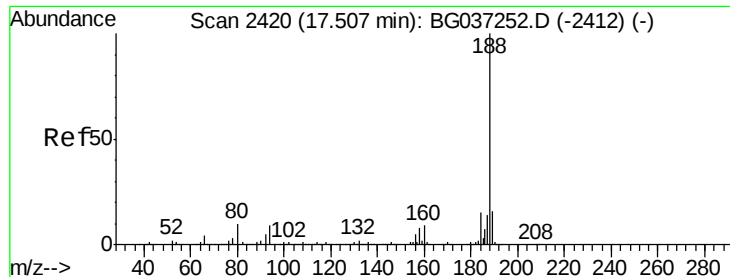
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.8	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 11.168 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG037270.D
 Acq: 11 Oct 2018 23:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.8	57.2	85.8#
182	0.0	2.6	4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BG037270.D

Acq: 11 Oct 2018 23:14

Instrument :

BNA_G

ClientSampleId :

RT1499-3783-RT3026

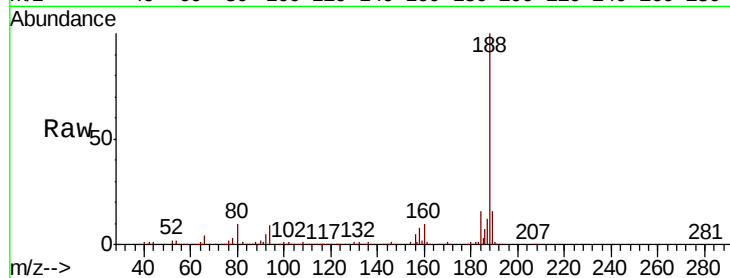
Tgt Ion:188 Resp: 411361

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

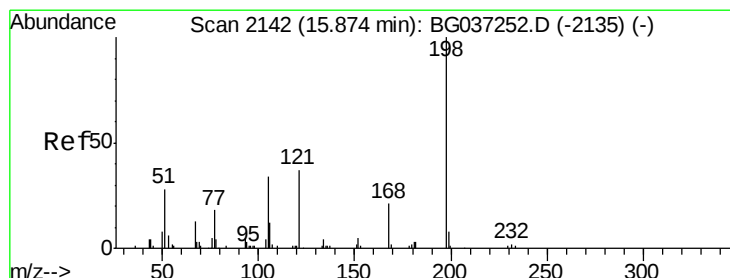
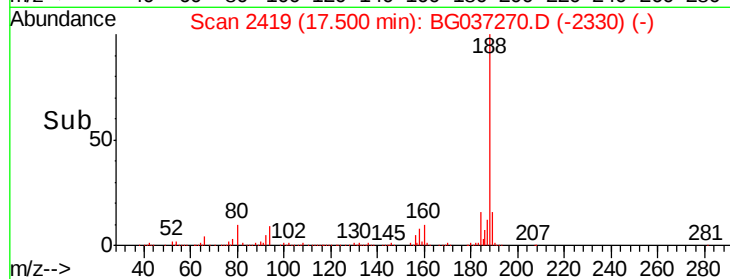
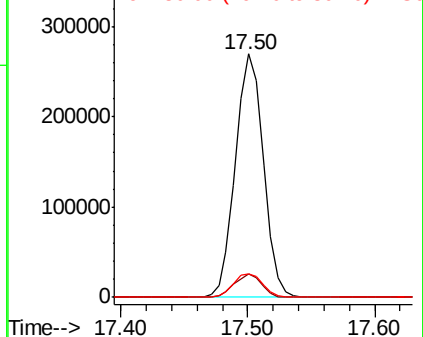
80 9.9 7.7 11.5



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: 6.324 ng

RT: 16.24 min Scan# 2205

Delta R.T. 0.37 min

Lab File: BG037270.D

Acq: 11 Oct 2018 23:14

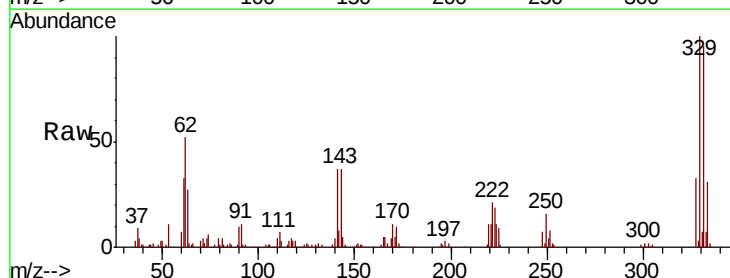
Tgt Ion:198 Resp: 556

Ion Ratio Lower Upper

198 100

51 21.0 22.7 62.7#

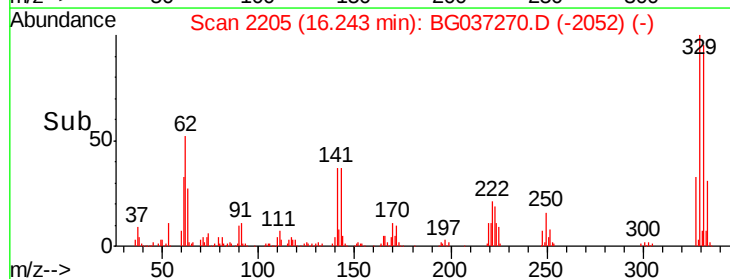
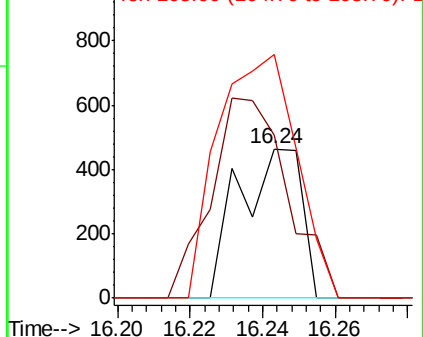
105 31.3 19.7 59.7

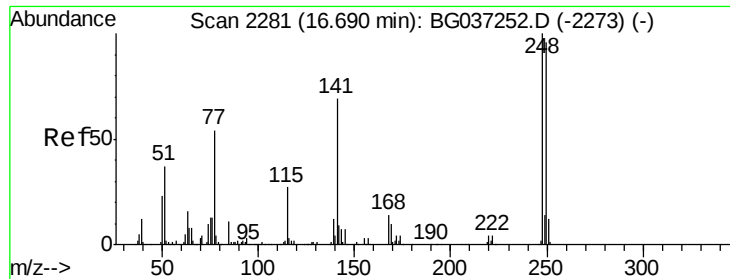


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

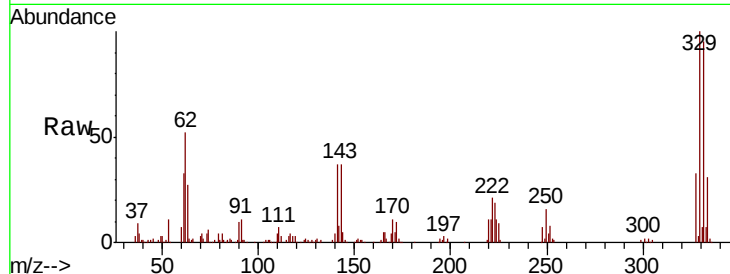




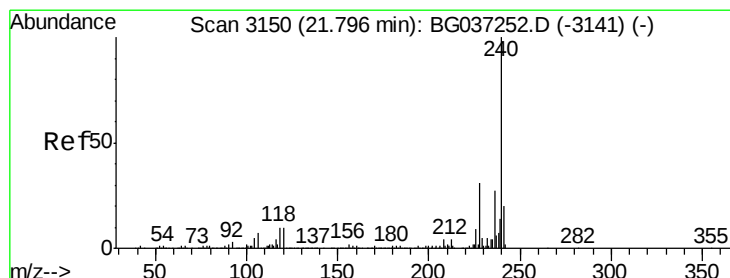
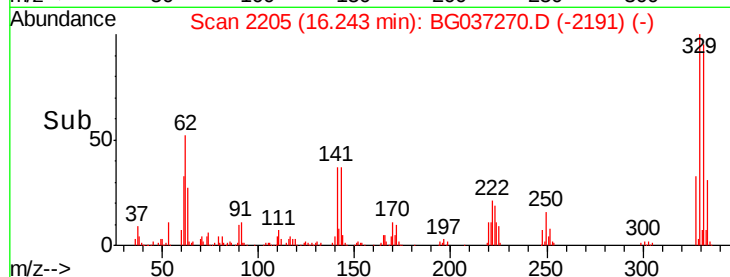
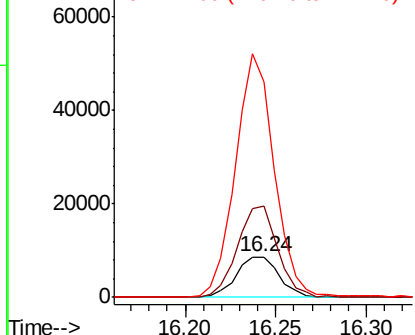
#67
4-Bromophenyl-phenylether
Concen: 3.176 ng
RT: 16.24 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG037270.D
Acq: 11 Oct 2018 23:14

Instrument :
BNA_G
ClientSampleId :
RT1499-3783-RT3026

Tgt Ion:248 Resp: 14098
Ion Ratio Lower Upper
248 100
250 219.8 77.0 115.6#
141 413.5 55.5 83.3#

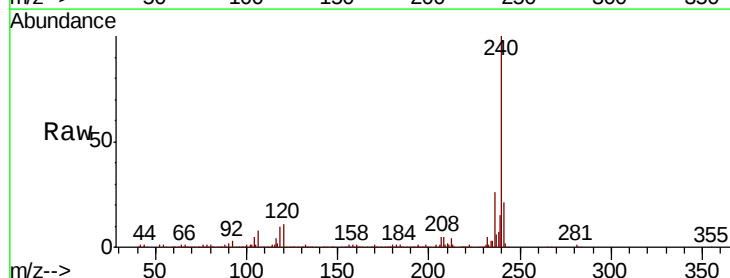


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

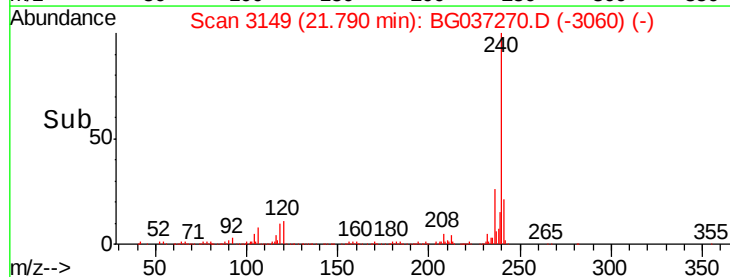
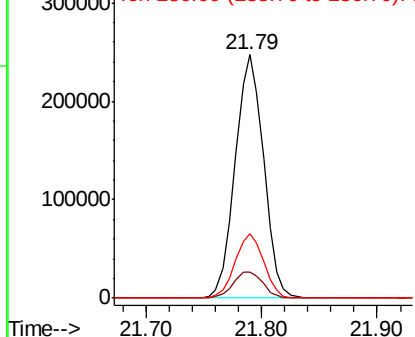


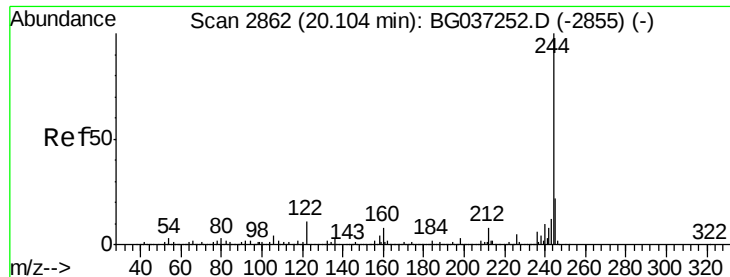
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3149
Delta R.T. -0.01 min
Lab File: BG037270.D
Acq: 11 Oct 2018 23:14

Tgt Ion:240 Resp: 421266
Ion Ratio Lower Upper
240 100
120 10.9 8.1 12.1
236 26.5 21.4 32.0



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: 71.281 ng

RT: 20.10 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BG037270.D

Acq: 11 Oct 2018 23:14

Instrument :

BNA_G

ClientSampleId :

RT1499-3783-RT3026

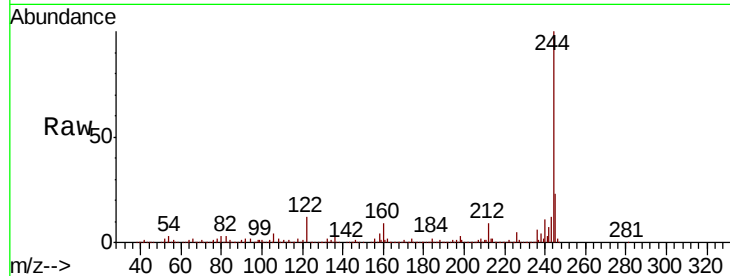
Tgt Ion:244 Resp: 1430078

Ion Ratio Lower Upper

244 100

212 8.9 6.5 9.7

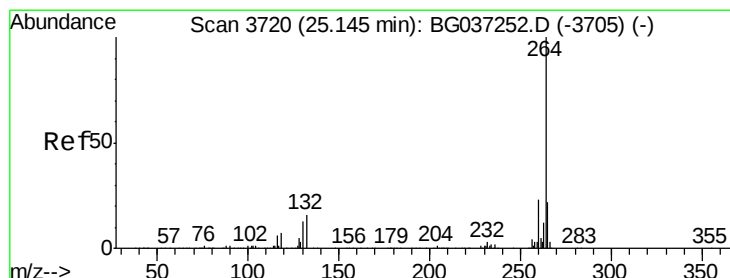
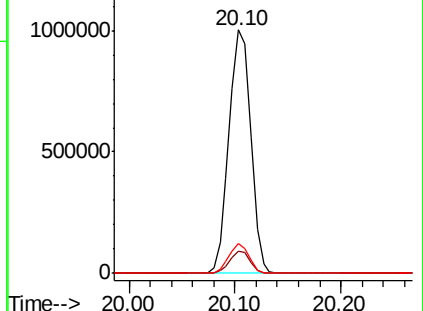
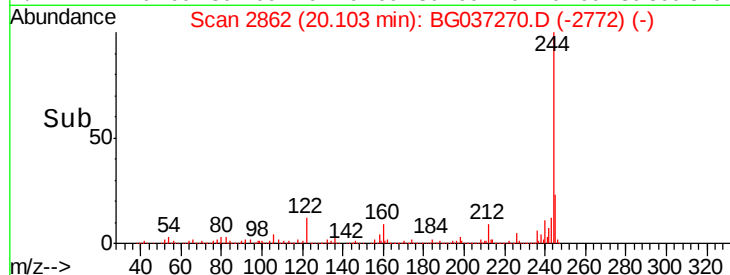
122 12.0 9.0 13.4



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: 25.14 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BG037270.D

Acq: 11 Oct 2018 23:14

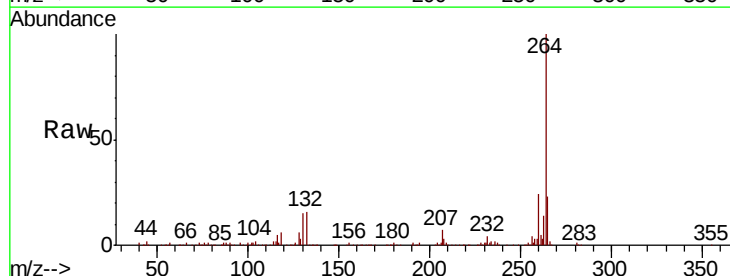
Tgt Ion:264 Resp: 414007

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 22.5 17.9 26.9



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

