

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101218\
 Data File : BG037309.D
 Acq On : 13 Oct 2018 2:50
 Operator : JU/SJ
 Sample : PB113793TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB113793TB

Quant Time: Oct 13 04:16:23 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

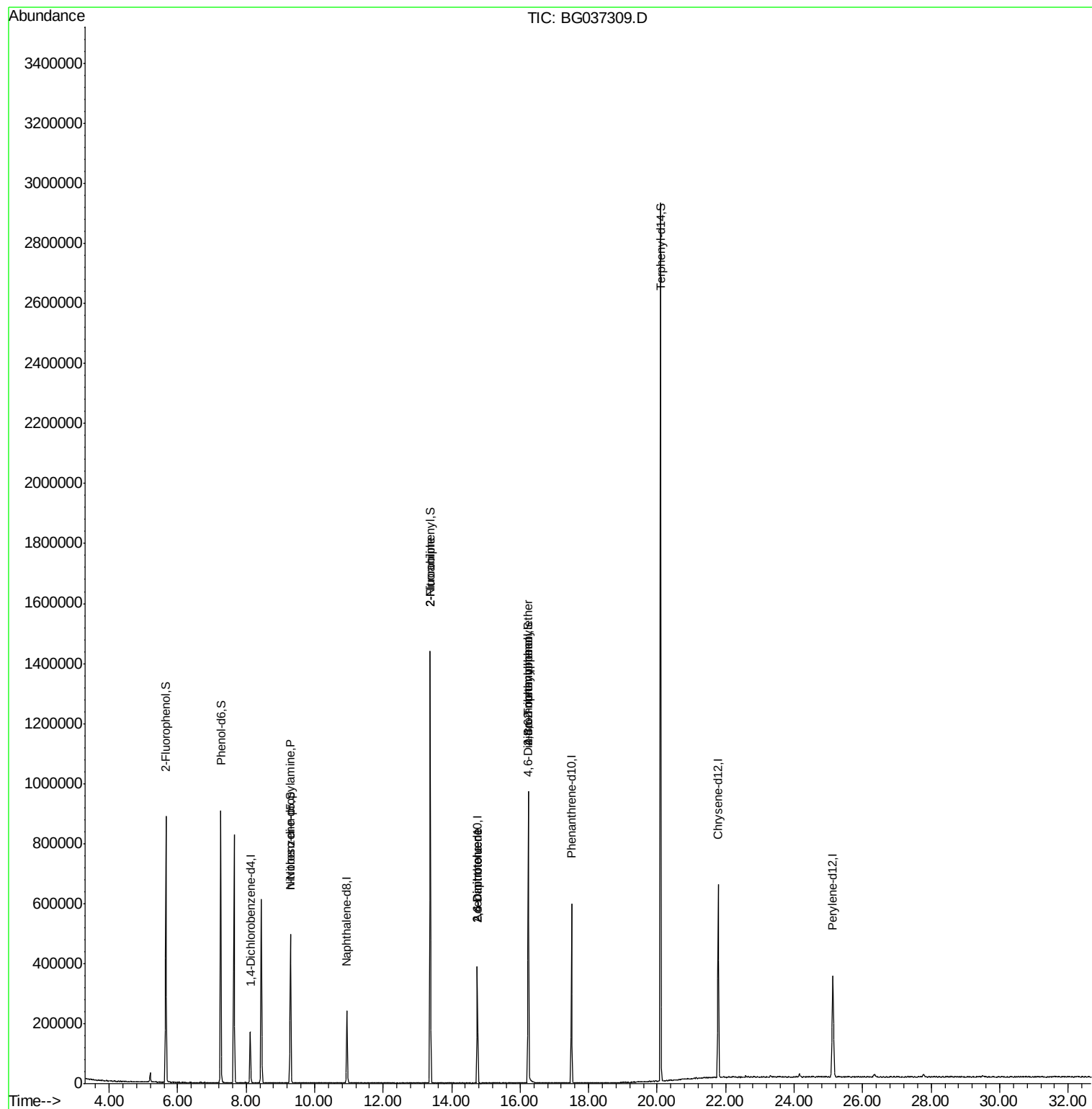
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	51829	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	218433	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	141174	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	382828	20.00	ng	0.00
76) Chrysene-d12	21.78	240	386097	20.00	ng	-0.02
87) Perylene-d12	25.12	264	381603	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	404381	137.31	ng	0.00
7) Phenol-d6	7.26	99	567491	126.96	ng	0.00
23) Nitrobenzene-d5	9.30	82	303416	91.32	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	175419	126.70	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	782125	83.20	ng	0.00
79) Terphenyl-d14	20.10	244	1421873	77.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	37254	11.008	ng	# 73
48) 2-Nitroaniline	13.38	65	1285	6.231	ng	# 14
51) 2,6-Dinitrotoluene	14.75	165	17759	12.225	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	17759	11.120	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.25	198	157	6.060	ng	76
67) 4-Bromophenyl-phenylether	16.23	248	13143	3.181	ng	# 1

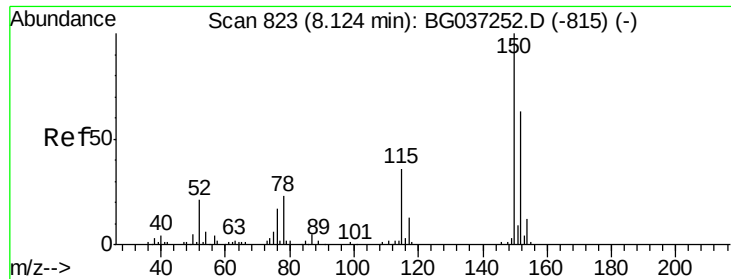
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 19 Sample Multiplier: 1

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Quant Time: Oct 13 04:16:23 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



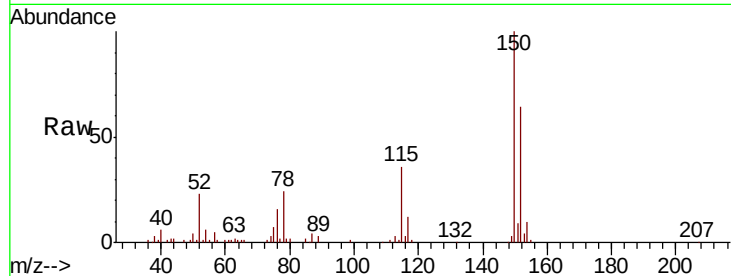


#1

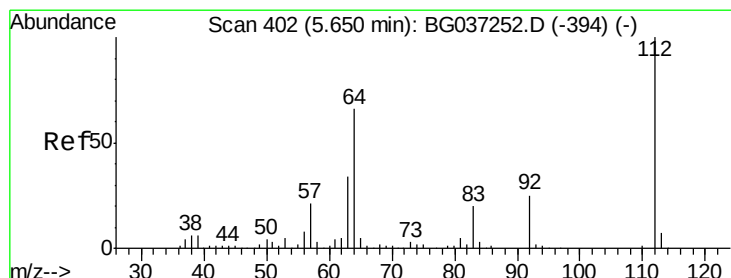
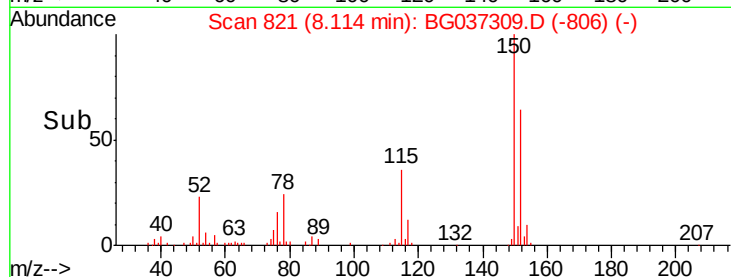
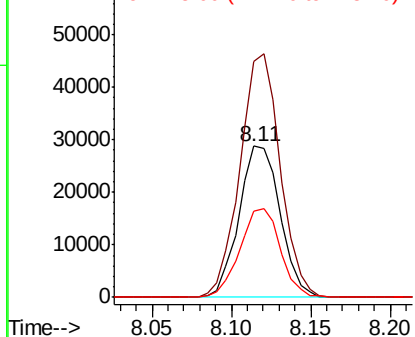
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BG037309.D
 Acq: 13 Oct 2018 2:50

Instrument :
 BNA_F
 ClientSampleId :
 PB113793TB

Tgt Ion:152 Resp: 51829
 Ion Ratio Lower Upper
 152 100
 150 156.8 126.0 189.0
 115 57.0 45.5 68.3



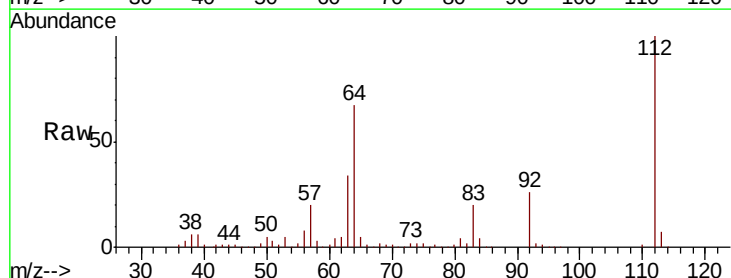
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



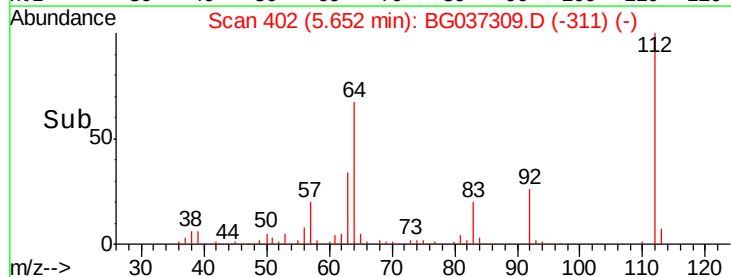
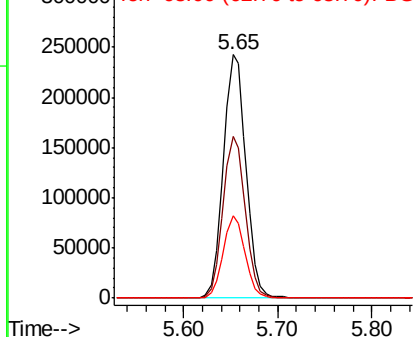
#5

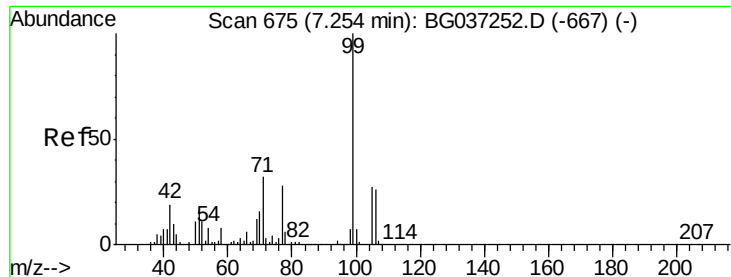
2-Fluorophenol
 Concen: 137.312 ng
 RT: 5.65 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: BG037309.D
 Acq: 13 Oct 2018 2:50

Tgt Ion:112 Resp: 404381
 Ion Ratio Lower Upper
 112 100
 64 66.5 53.1 79.7
 63 34.0 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: 126.955 ng

RT: 7.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037309.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_F

ClientSampleId :

PB113793TB

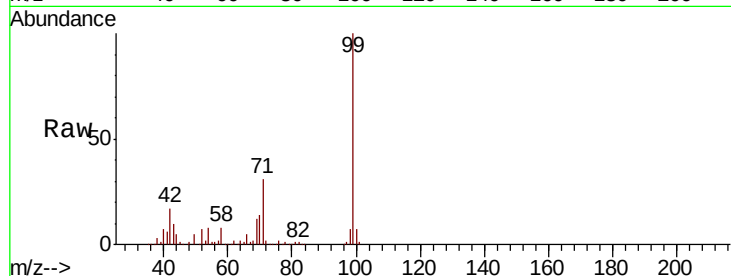
Tgt Ion: 99 Resp: 567491

Ion Ratio Lower Upper

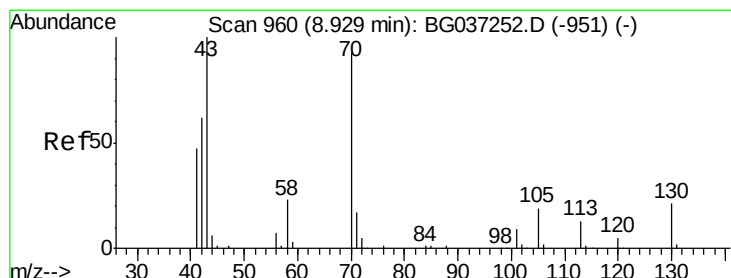
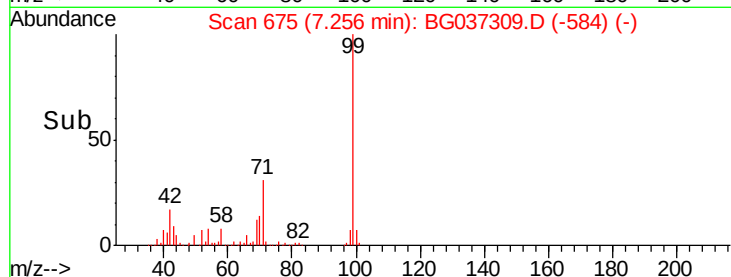
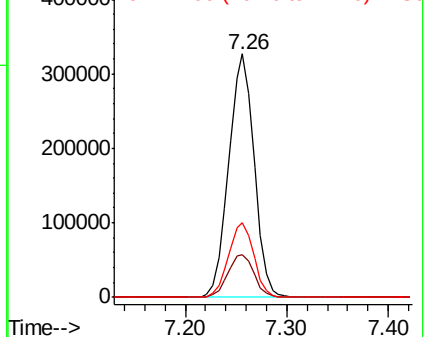
99 100

42 17.5 15.0 22.4

71 30.7 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: 11.008 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037309.D

Acq: 13 Oct 2018 2:50

Tgt Ion: 70 Resp: 37254

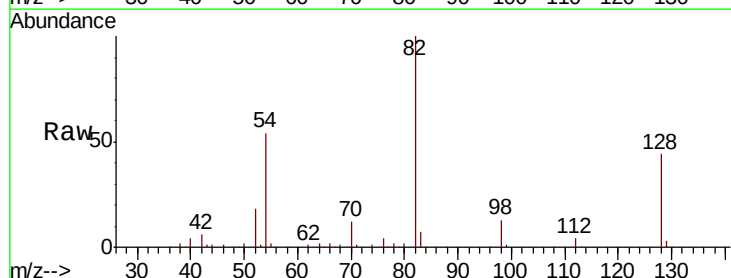
Ion Ratio Lower Upper

70 100

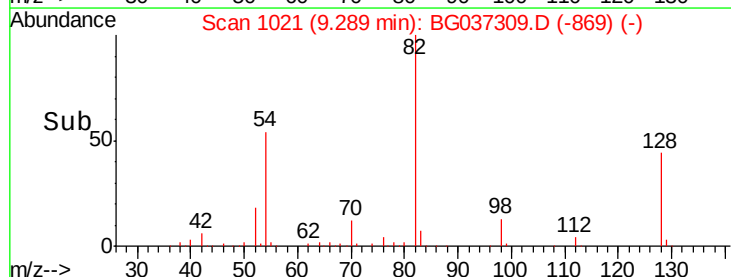
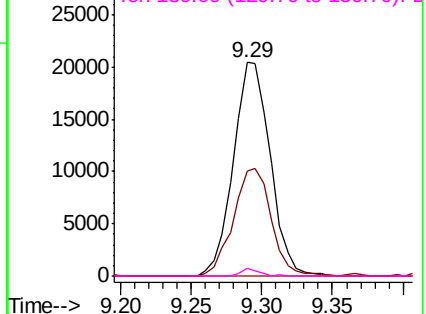
42 49.4 53.9 80.9#

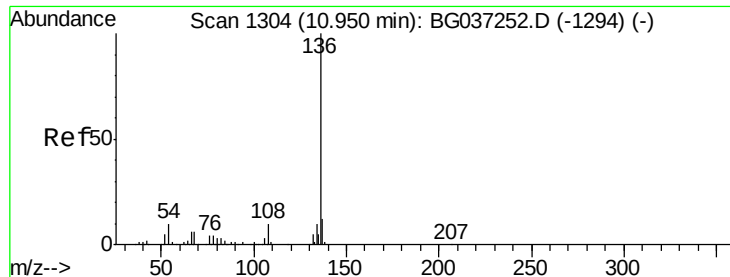
101 0.0 8.2 12.2#

130 3.7 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

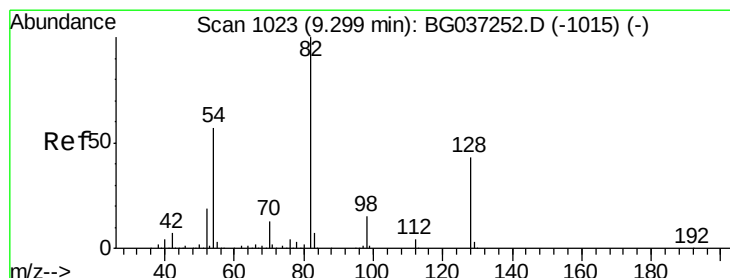
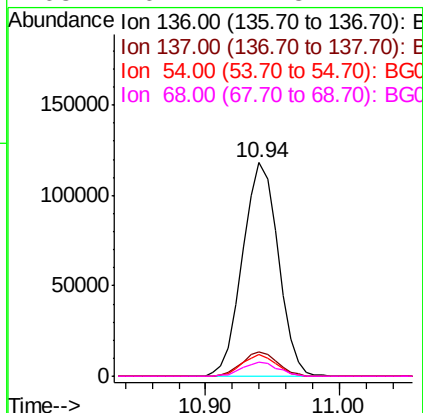
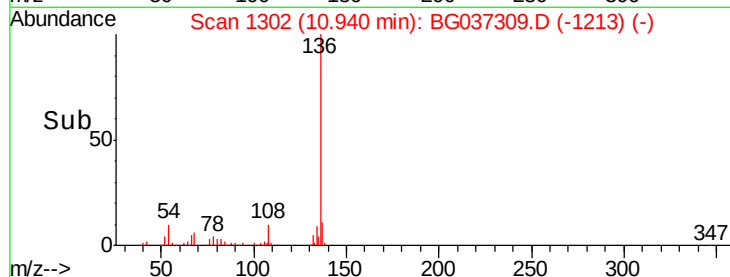
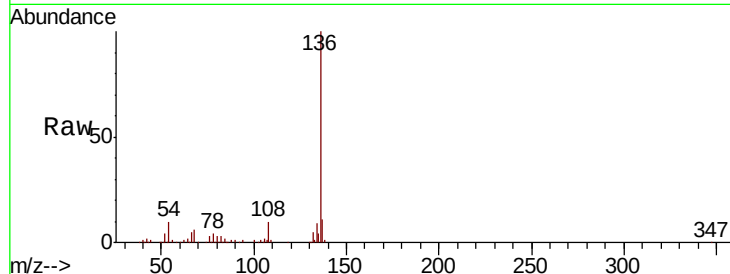




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG037309.D
Acq: 13 Oct 2018 2:50

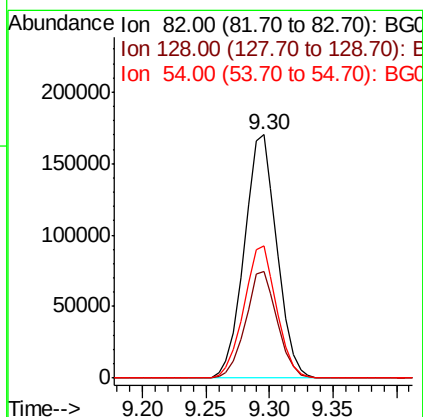
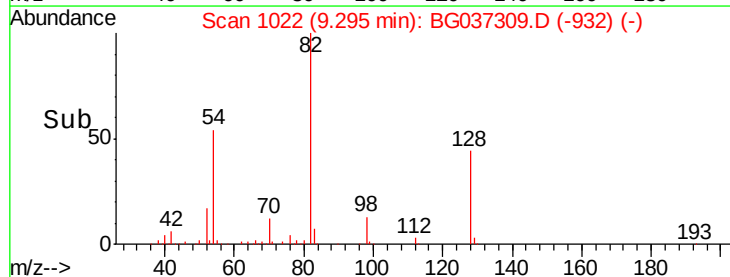
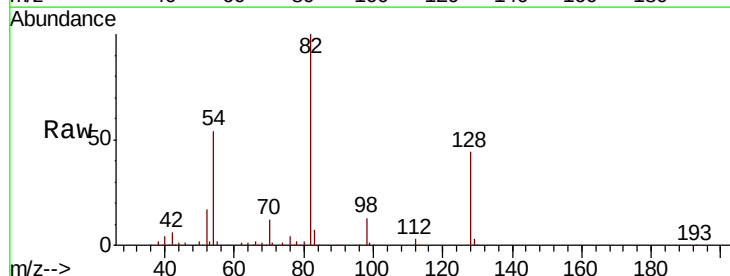
Instrument :
BNA_F
ClientSampleId :
PB113793TB

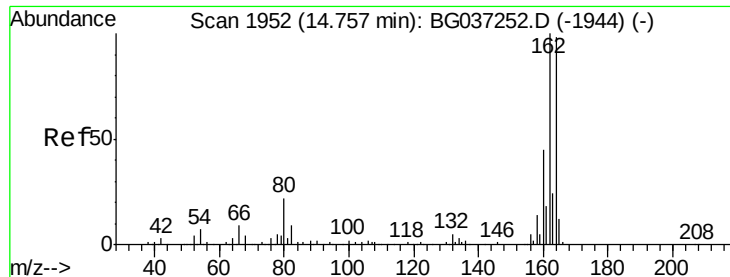
Tgt Ion:	136	Resp:	218433
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.6	14.4
54	10.1	7.9	11.9
68	6.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 91.323 ng
RT: 9.30 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BG037309.D
Acq: 13 Oct 2018 2:50

Tgt Ion:	82	Resp:	303416
Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.6	51.8
54	54.2	45.3	67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG037309.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_F

ClientSampleId :

PB113793TB

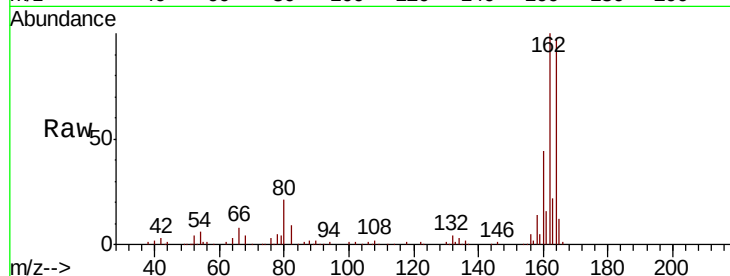
Tgt Ion:164 Resp: 141174

Ion Ratio Lower Upper

164 100

162 103.3 81.3 121.9

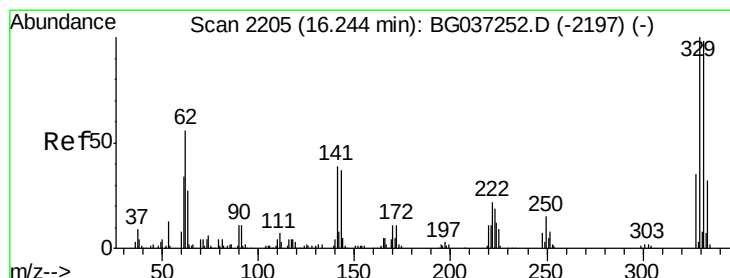
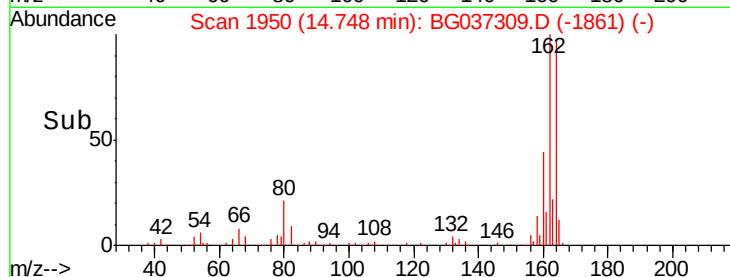
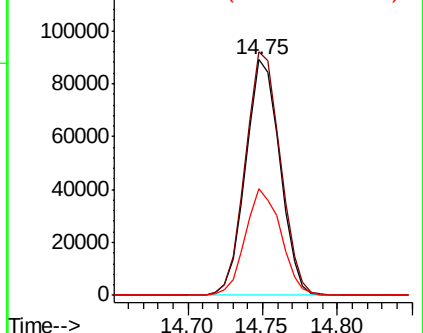
160 45.2 36.3 54.5



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: 126.700 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037309.D

Acq: 13 Oct 2018 2:50

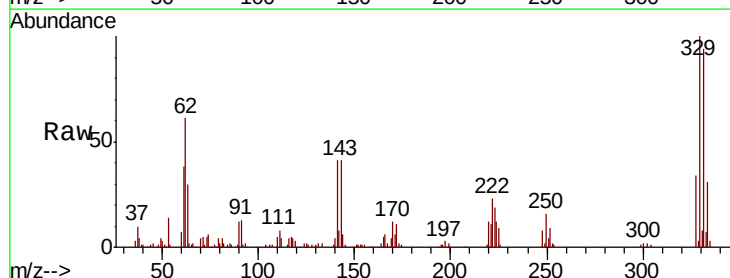
Tgt Ion:330 Resp: 175419

Ion Ratio Lower Upper

330 100

332 96.8 78.4 117.6

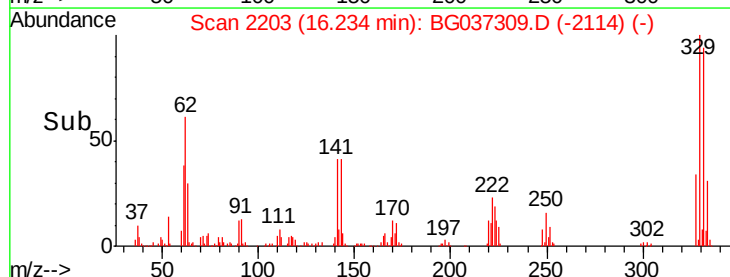
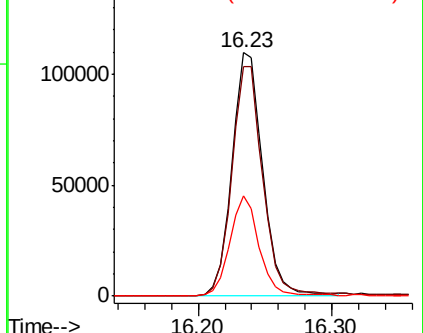
141 39.5 32.2 48.2

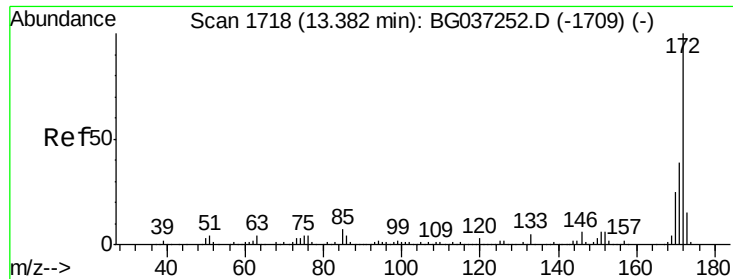


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

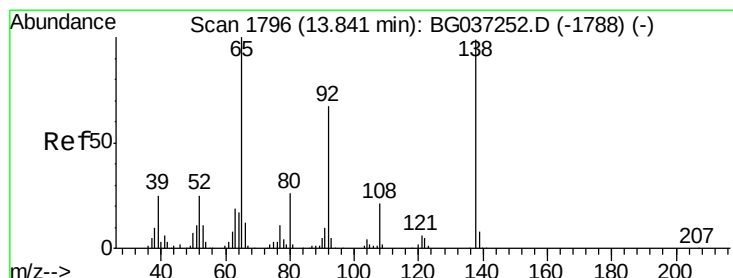
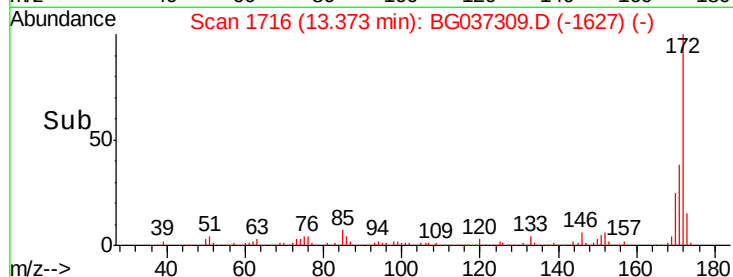
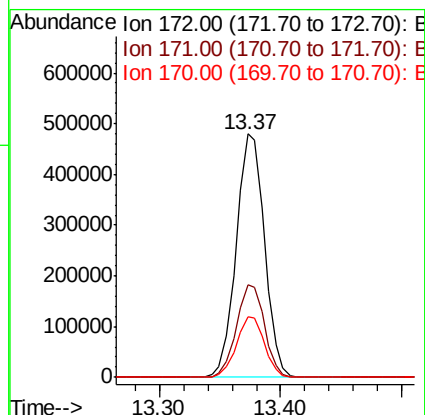
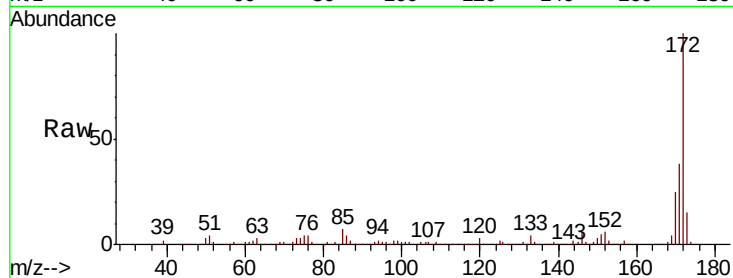




#45
2-Fluorobiphenyl
Concen: 83.200 ng
RT: 13.37 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BG037309.D
Acq: 13 Oct 2018 2:50

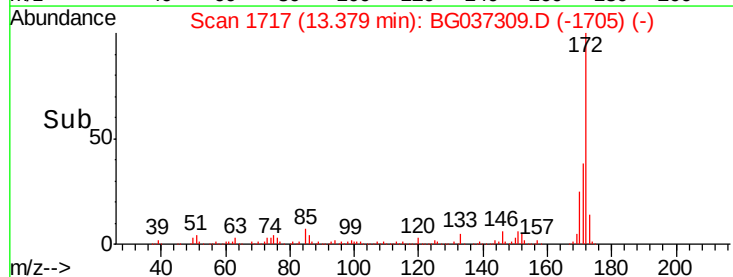
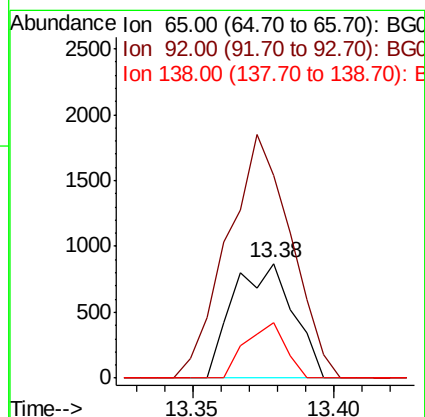
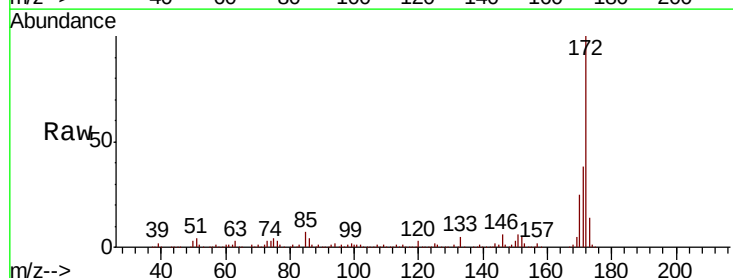
Instrument :
BNA_F
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PB113793TB

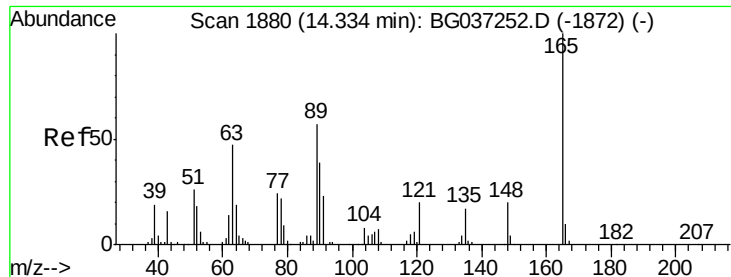
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.0	46.4
170	24.8	20.2	30.2



#48
2-Nitroaniline
Concen: 6.231 ng
RT: 13.38 min Scan# 1717
Delta R.T. -0.46 min
Lab File: BG037309.D
Acq: 13 Oct 2018 2:50

Tgt Ion	Ratio	Lower	Upper
65	100		
92	177.3	53.2	79.8#
138	48.1	79.3	118.9#

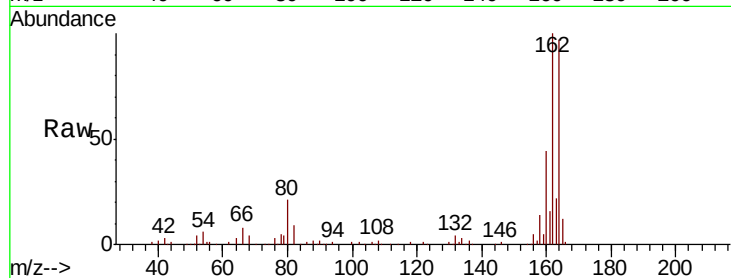




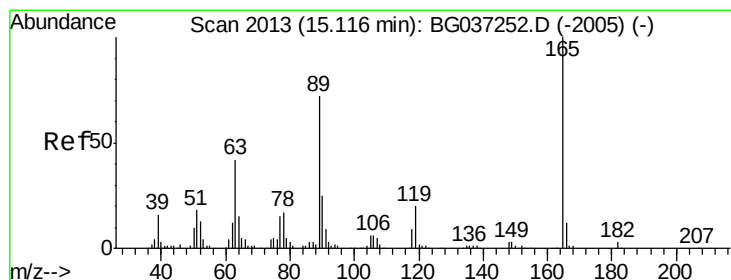
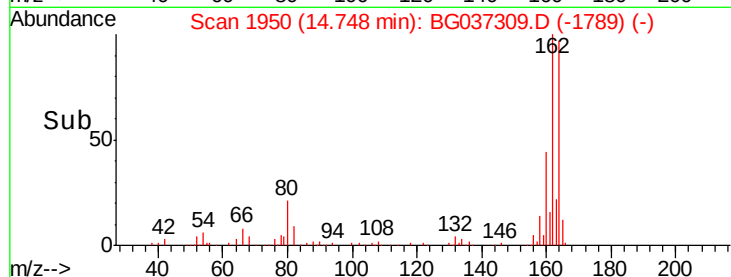
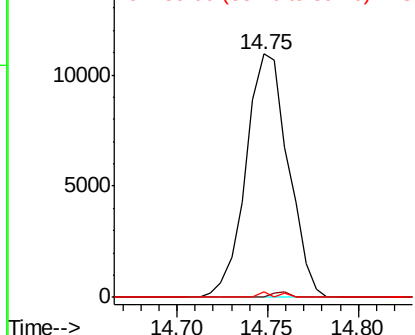
#51
 2,6-Dinitrotoluene
 Concen: 12.225 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. 0.41 min
 Lab File: BG037309.D
 Acq: 13 Oct 2018 2:50

Instrument :
 BNA_F
 ClientSampleId :
 PB113793TB

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	2.2	45.8	68.6#



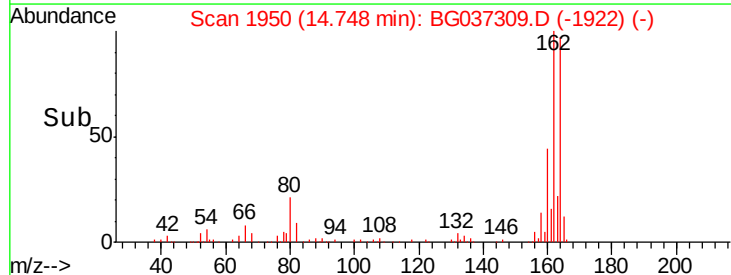
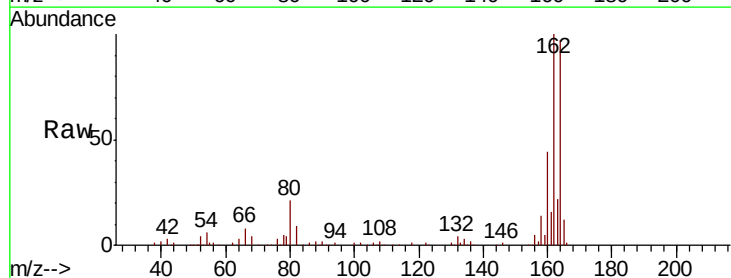
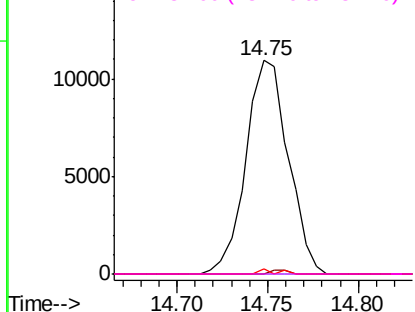
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

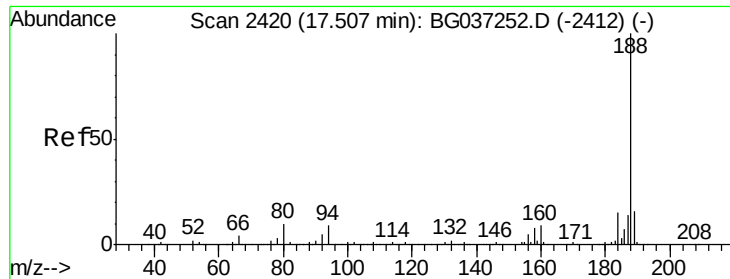


#57
 2,4-Dinitrotoluene
 Concen: 11.120 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG037309.D
 Acq: 13 Oct 2018 2:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	2.2	57.2	85.8#
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

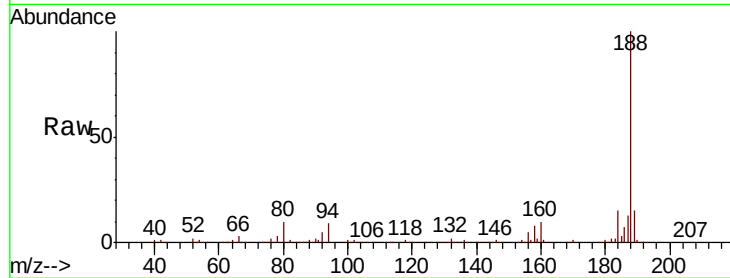




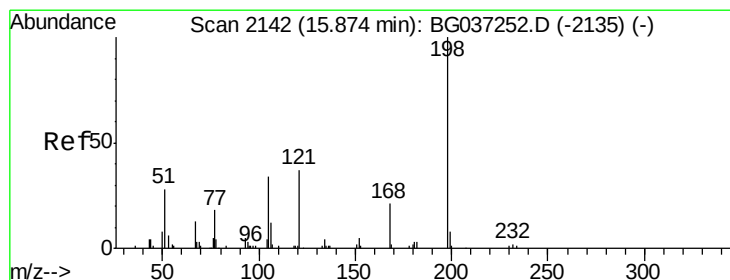
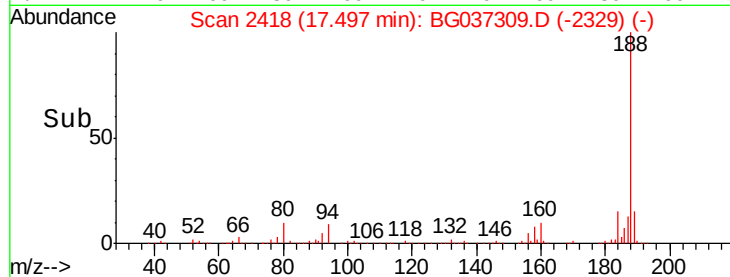
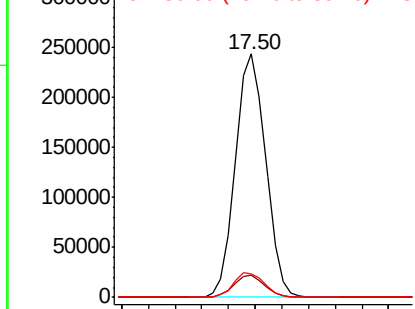
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BG037309.D
Acq: 13 Oct 2018 2:50

Instrument :
BNA_F
ClientSampleId :
PB113793TB

Tgt Ion:188 Resp: 382828
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 9.7 7.7 11.5

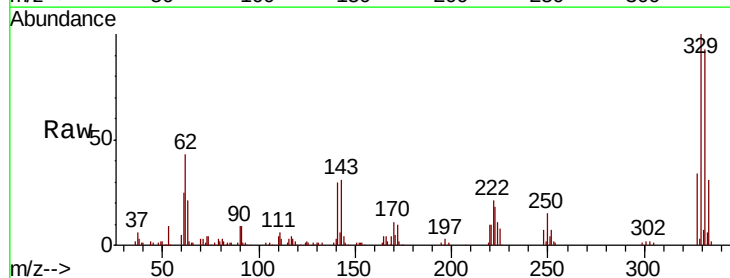


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

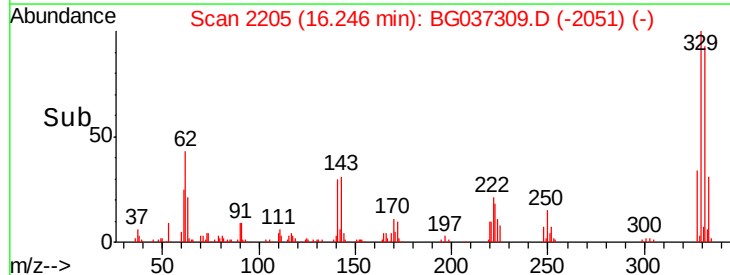
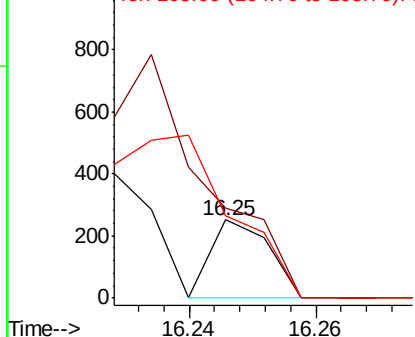


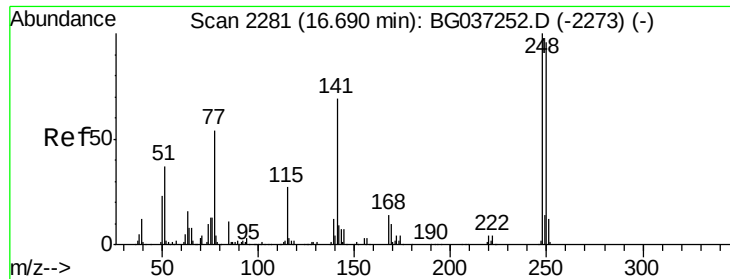
#65
4,6-Dinitro-2-methylphenol
Concen: 6.060 ng
RT: 16.25 min Scan# 2205
Delta R.T. 0.37 min
Lab File: BG037309.D
Acq: 13 Oct 2018 2:50

Tgt Ion:198 Resp: 157
Ion Ratio Lower Upper
198 100
51 27.0 22.7 62.7
105 24.8 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

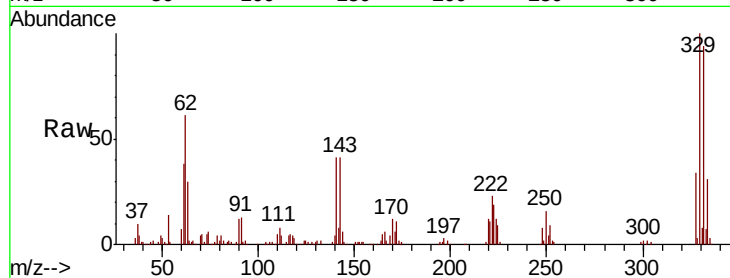




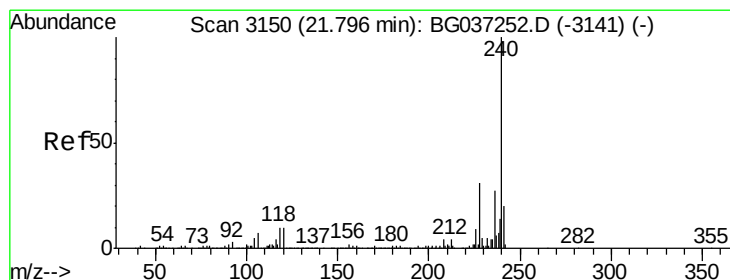
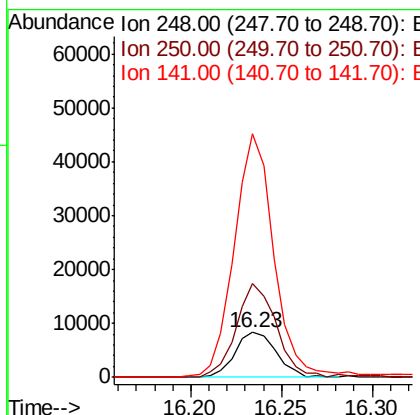
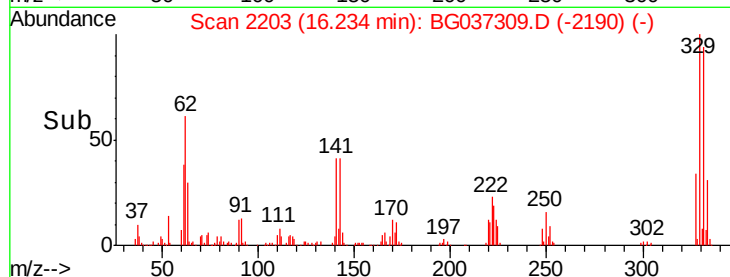
#67
 4-Bromophenyl-phenylether
 Concen: 3.181 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. -0.46 min
 Lab File: BG037309.D
 Acq: 13 Oct 2018 2:50

Instrument :
 BNA_F
 ClientSampleId :
 PB113793TB

Tgt Ion:248 Resp: 13143
 Ion Ratio Lower Upper
 248 100
 250 199.9 77.0 115.6#
 141 412.9 55.5 83.3#

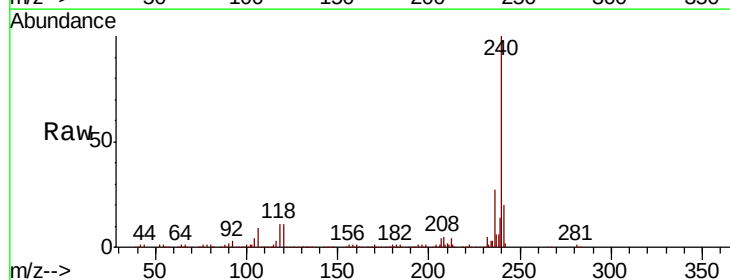


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

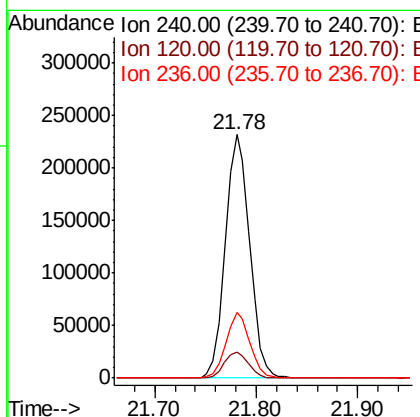
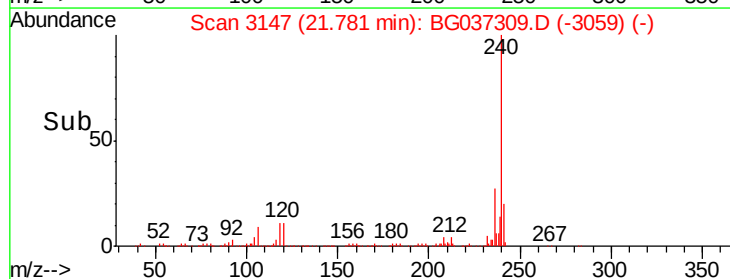


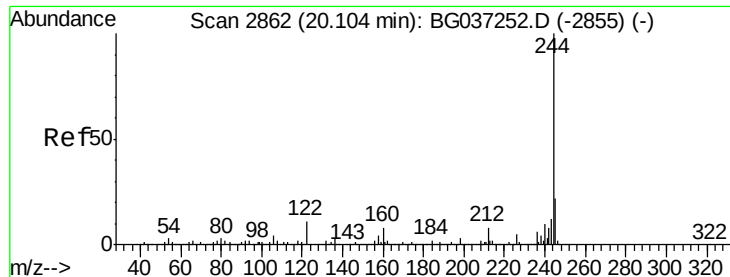
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3147
 Delta R.T. -0.02 min
 Lab File: BG037309.D
 Acq: 13 Oct 2018 2:50

Tgt Ion:240 Resp: 386097
 Ion Ratio Lower Upper
 240 100
 120 10.9 8.1 12.1
 236 26.9 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: 77.327 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG037309.D

Acq: 13 Oct 2018 2:50

Instrument :

BNA_F

ClientSampleId :

PB113793TB

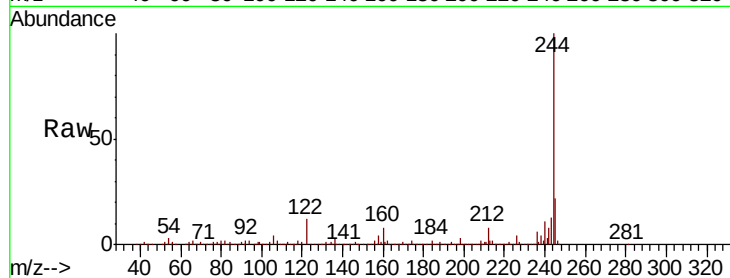
Tgt Ion:244 Resp: 1421873

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

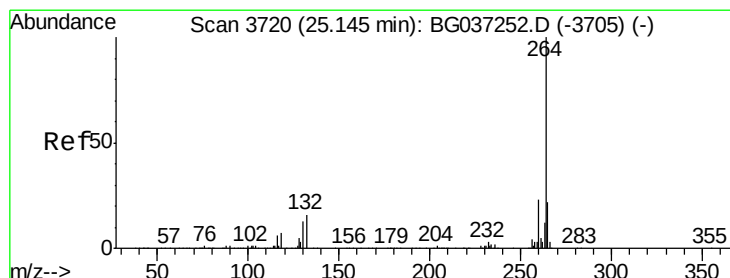
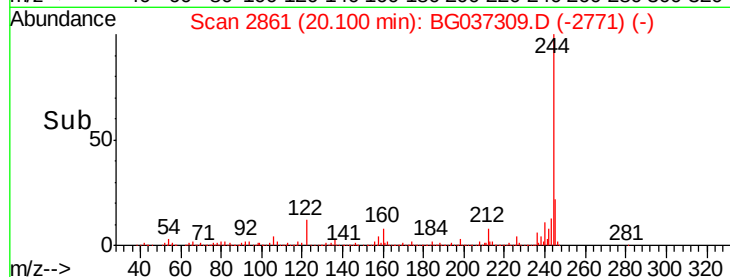
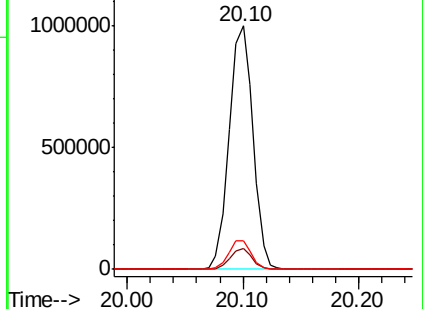
122 11.5 9.0 13.4



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: 25.12 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG037309.D

Acq: 13 Oct 2018 2:50

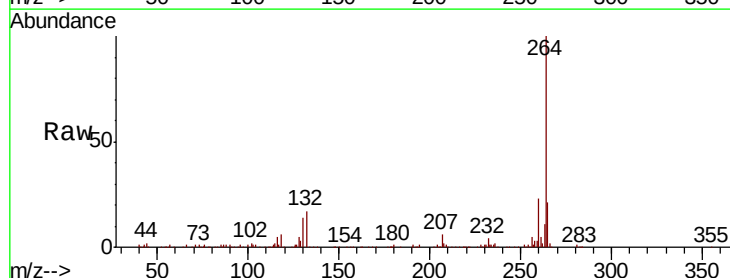
Tgt Ion:264 Resp: 381603

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.4

265 20.6 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

