

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037589.D
 Acq On : 26 Oct 2018 20:28
 Operator : JU/SJ
 Sample : J5662-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 27 03:40:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

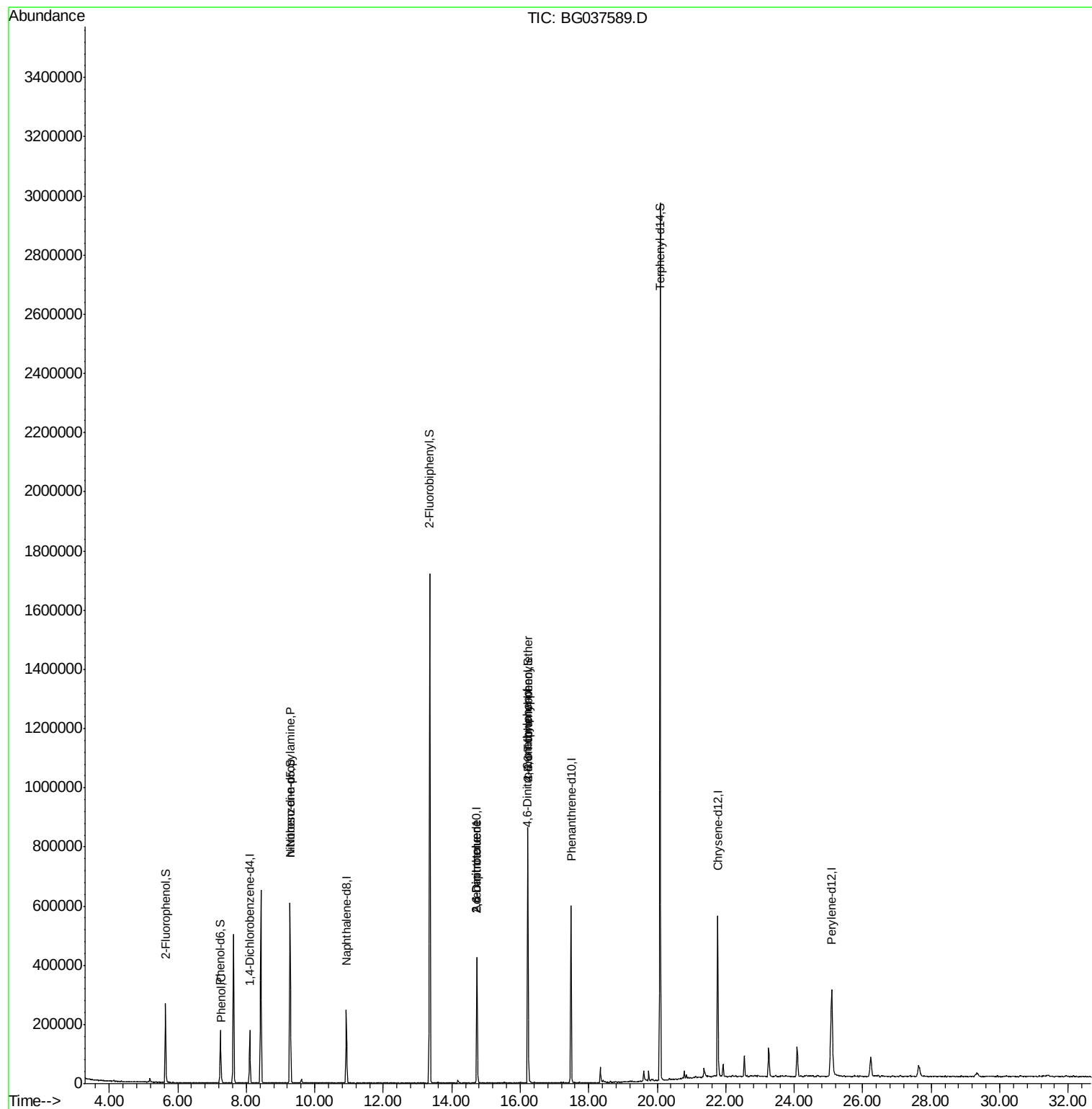
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	53306	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	230668	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	158988	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	389891	20.00	ng	0.00
76) Chrysene-d12	21.76	240	350646	20.00	ng	-0.01
87) Perylene-d12	25.10	264	342430	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	128960	40.45	ng	0.00
7) Phenol-d6	7.24	99	113001	23.44	ng	0.00
23) Nitrobenzene-d5	9.28	82	385792	93.69	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	155071	89.43	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	912234	86.52	ng	0.00
79) Terphenyl-d14	20.08	244	1418050	86.41	ng	0.00
Target Compounds						
10) Phenol	7.27	94	18249	3.587	ng	96
19) n-Nitroso-di-n-propylamine	9.28	70	48859	14.716	ng	# 71
51) 2,6-Dinitrotoluene	14.73	165	20717	7.614	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	20717	5.800	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.21	198	489	8.704	ng	# 74
67) 4-Bromophenyl-phenylether	16.22	248	11108	2.594	ng	# 1

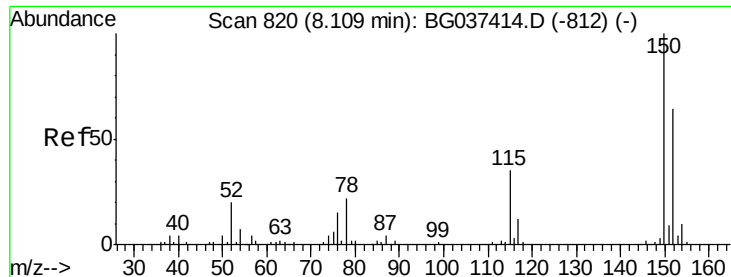
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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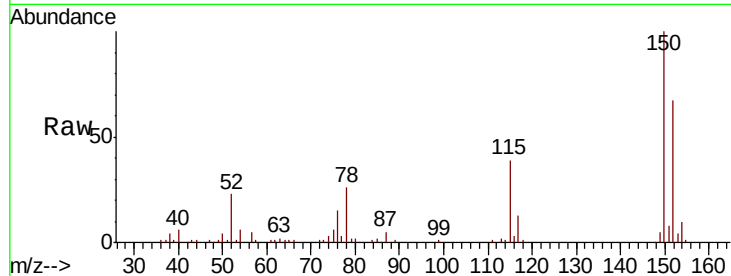


#1

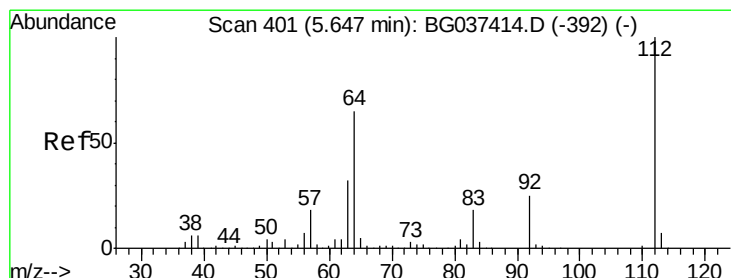
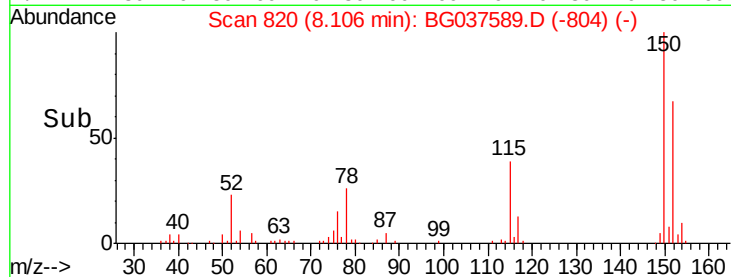
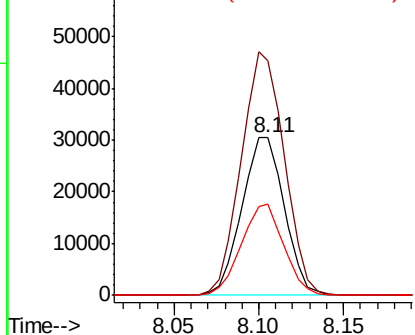
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037589.D
Acq: 26 Oct 2018 20:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53306
Ion Ratio Lower Upper
152 100
150 149.0 126.0 189.0
115 58.0 45.5 68.3



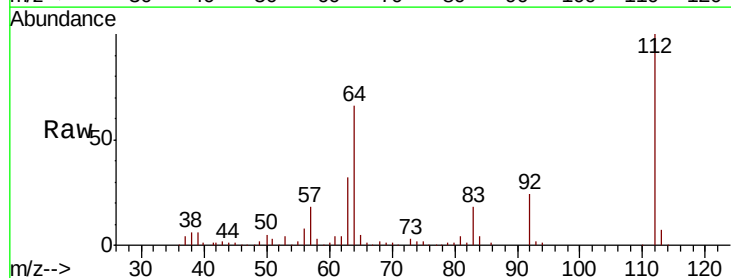
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



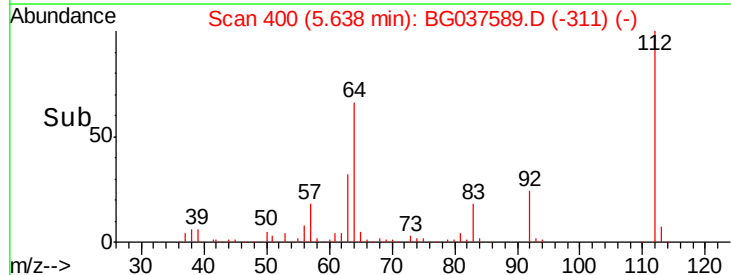
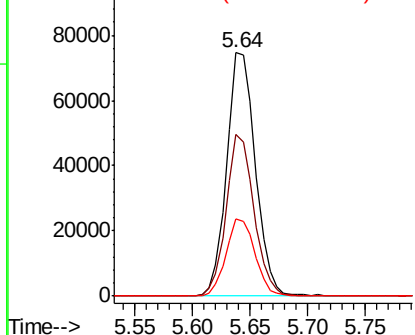
#5

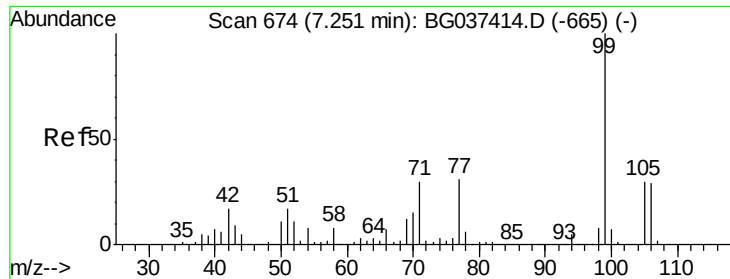
2-Fluorophenol
Concen: 40.446 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037589.D
Acq: 26 Oct 2018 20:28

Tgt Ion:112 Resp: 128960
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 31.9 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: 23.438 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037589.D

Acq: 26 Oct 2018 20:28

Instrument :

BNA_G

ClientSampleId :

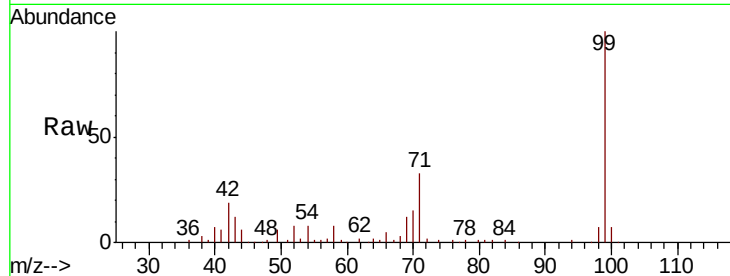
Tot Ion: 99 Resp: 113001

Ion Ratio Lower Upper

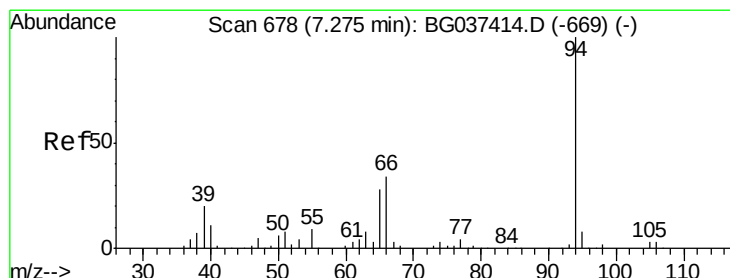
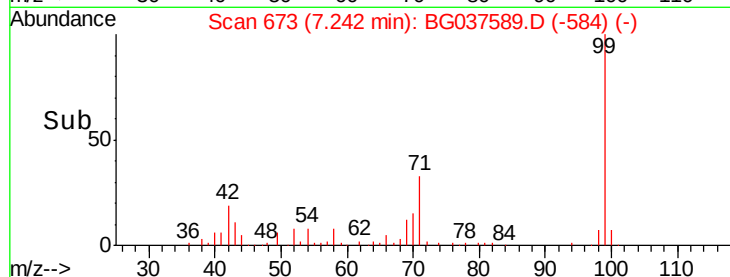
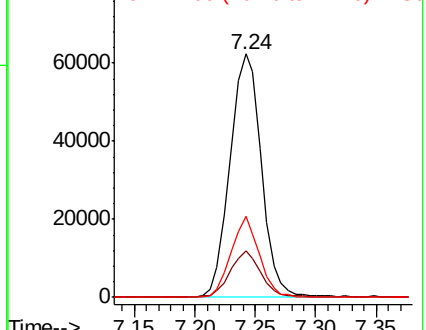
99 100

42 19.0 15.0 22.4

71 33.5 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



#10

Phenol

Concen: 3.587 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037589.D

Acq: 26 Oct 2018 20:28

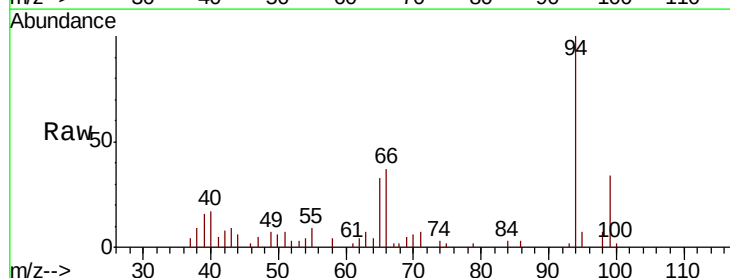
Tgt Ion: 94 Resp: 18249

Ion Ratio Lower Upper

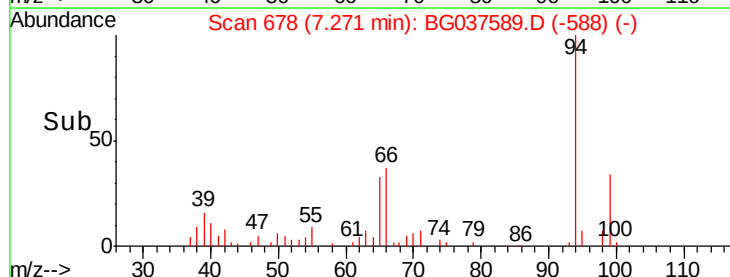
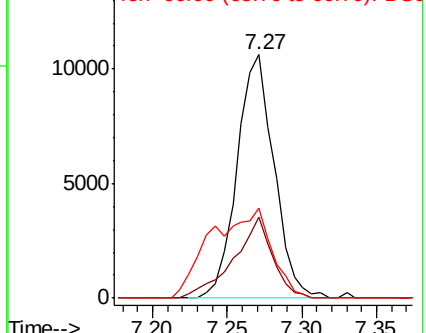
94 100

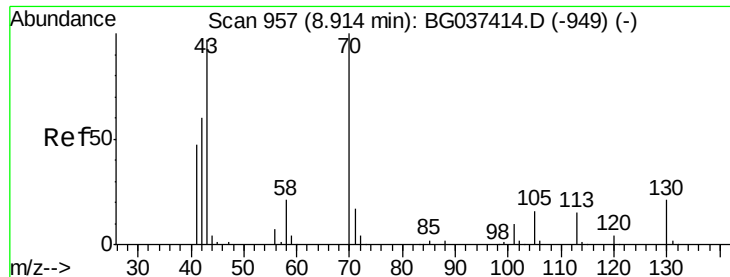
65 33.3 9.7 49.7

66 37.0 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

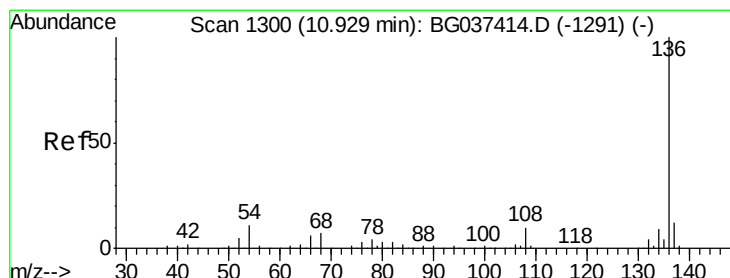
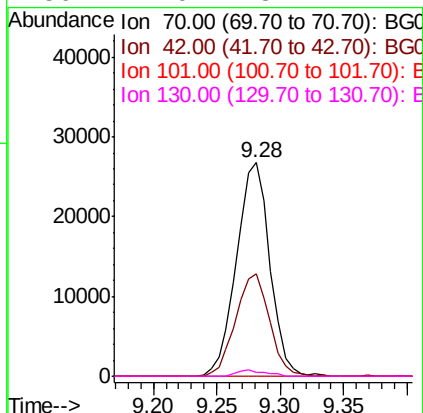
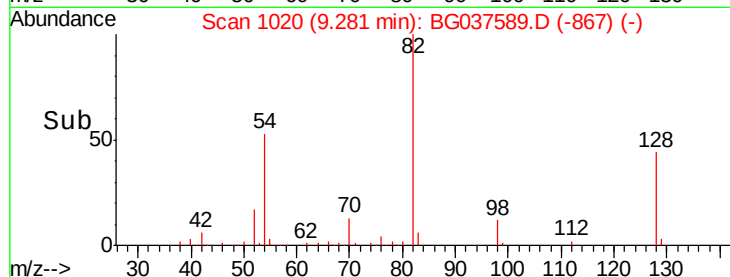
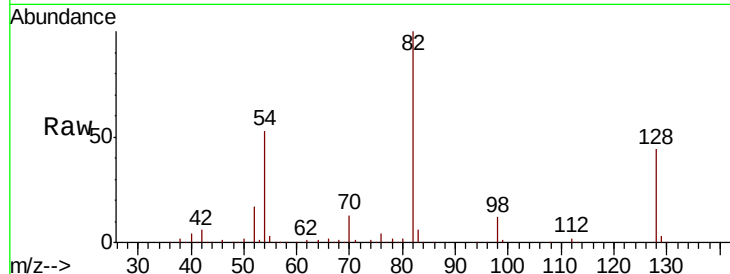




#19
n-Nitroso-di-n-propylamine
Concen: 14.716 ng
RT: 9.28 min Scan# 1020
Delta R.T. 0.37 min
Lab File: BG037589.D
Acq: 26 Oct 2018 20:28

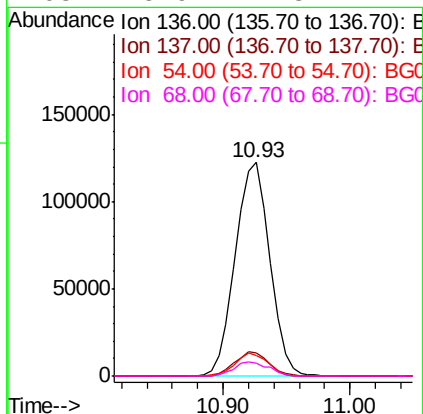
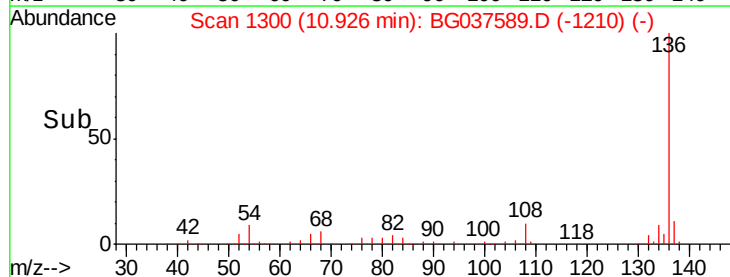
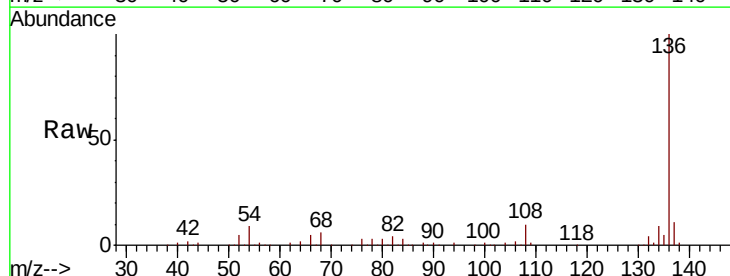
Instrument :
BNA_G
ClientSampleId :

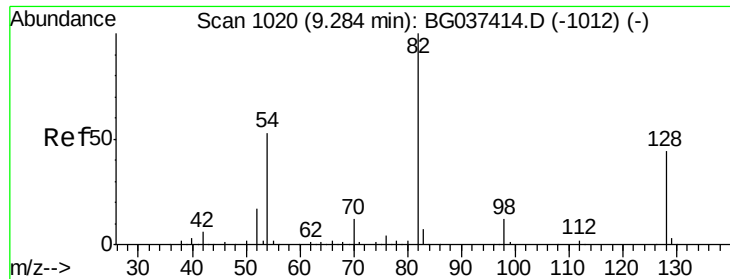
Tot Ion: 70 Resp: 48859
Ion Ratio Lower Upper
70 100
42 47.8 53.9 80.9#
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037589.D
Acq: 26 Oct 2018 20:28

Tgt Ion:136 Resp: 230668
Ion Ratio Lower Upper
136 100
137 10.6 9.6 14.4
54 9.3 7.9 11.9
68 5.9 4.8 7.2

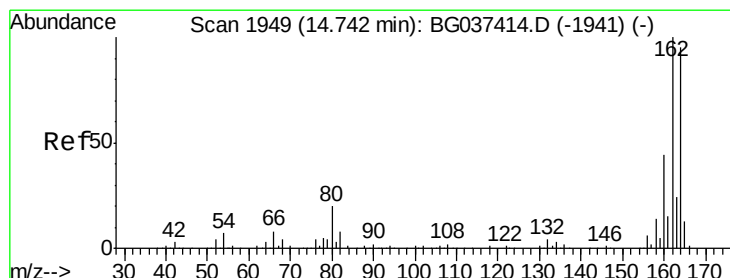
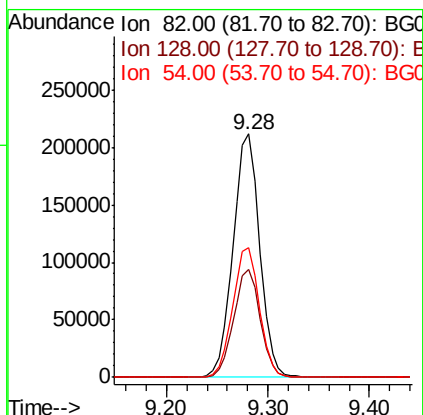
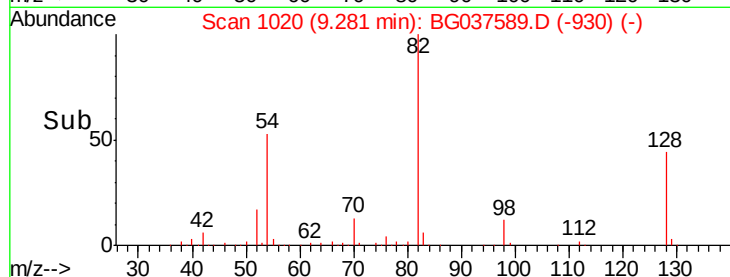
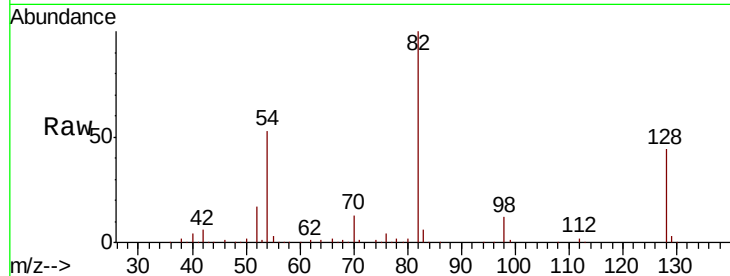




#23
 Nitrobenzene-d5
 Concen: 93.692 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037589.D
 Acq: 26 Oct 2018 20:28

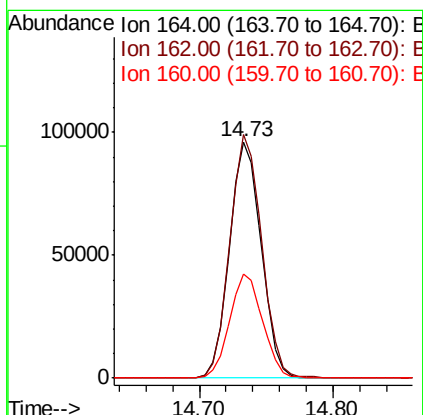
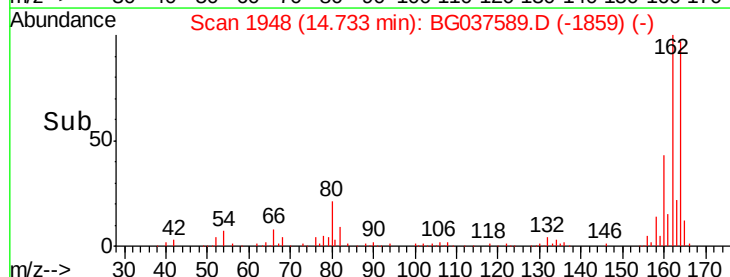
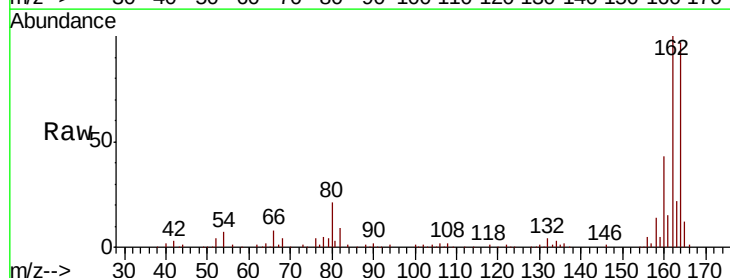
Instrument :
 BNA_G
 ClientSampleId :

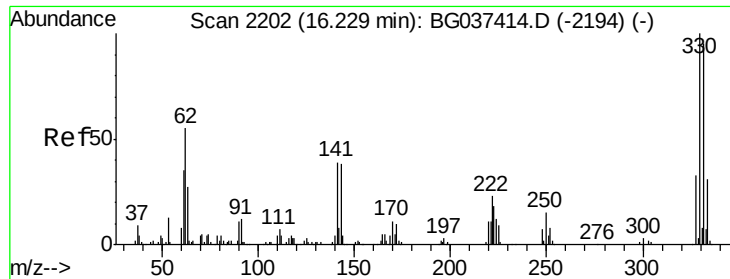
Tot Ion	82.00	Resp	385792
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.6	51.8
54	53.3	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037589.D
 Acq: 26 Oct 2018 20:28

Tgt Ion	164	Resp	158988
Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.3	121.9
160	43.8	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 89.426 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037589.D

Acq: 26 Oct 2018 20:28

Instrument :

BNA_G

ClientSampleId :

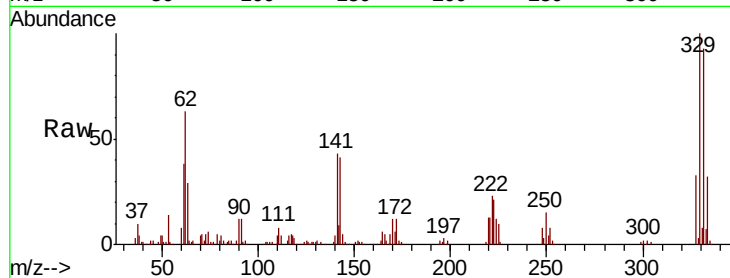
Tot Ion:330 Resp: 155071

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

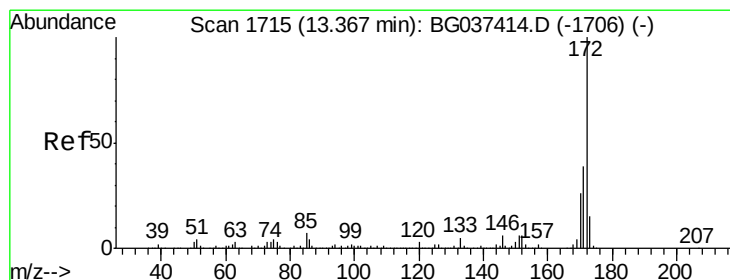
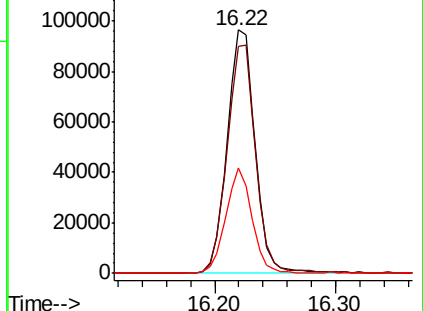
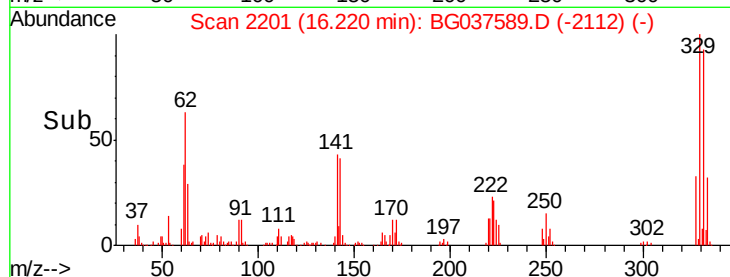
141 40.4 32.2 48.2



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: 86.522 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037589.D

Acq: 26 Oct 2018 20:28

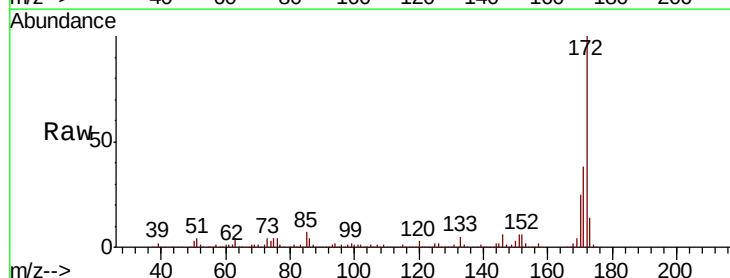
Tgt Ion:172 Resp: 912234

Ion Ratio Lower Upper

172 100

171 38.4 31.0 46.4

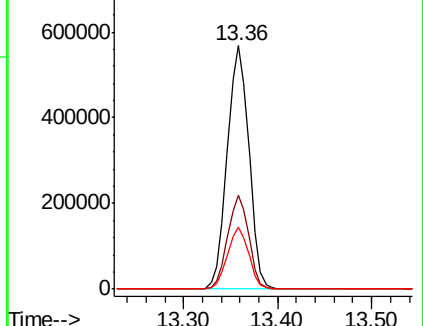
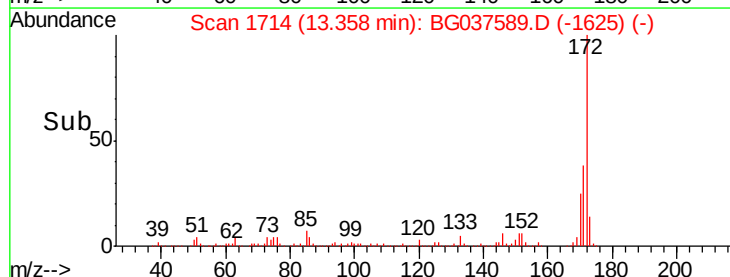
170 25.2 20.2 30.2

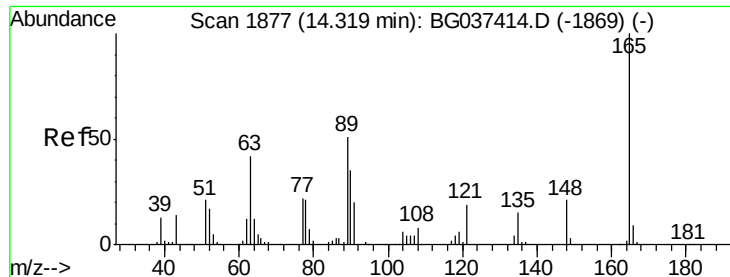


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

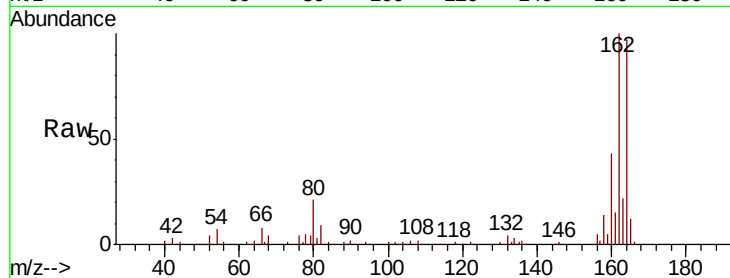




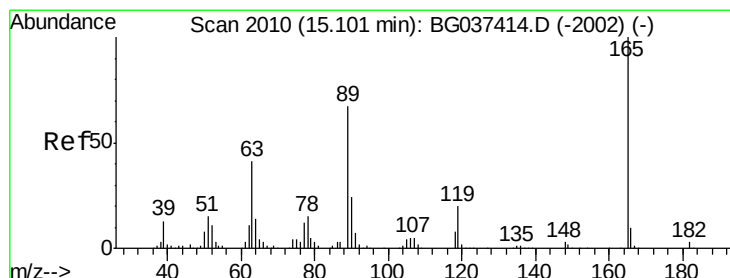
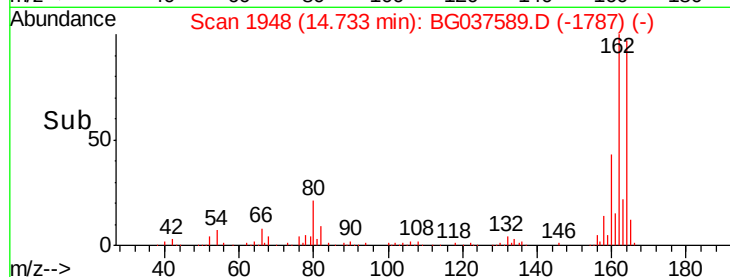
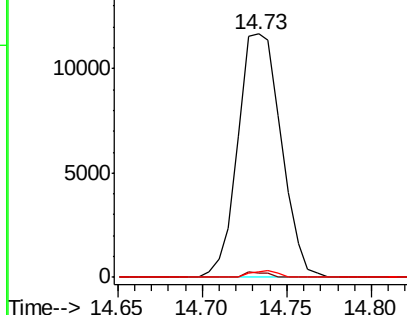
#51
 2,6-Dinitrotoluene
 Concen: 7.614 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037589.D
 Acq: 26 Oct 2018 20:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	43.4	65.2#
89	2.4	45.8	68.6#



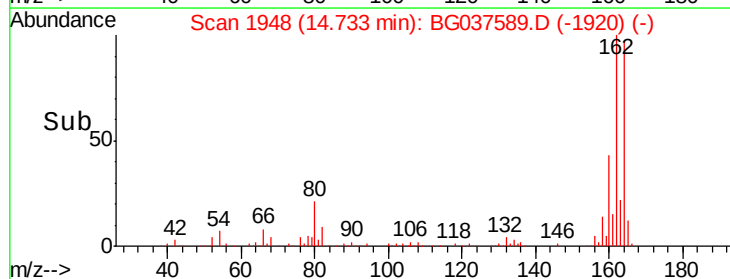
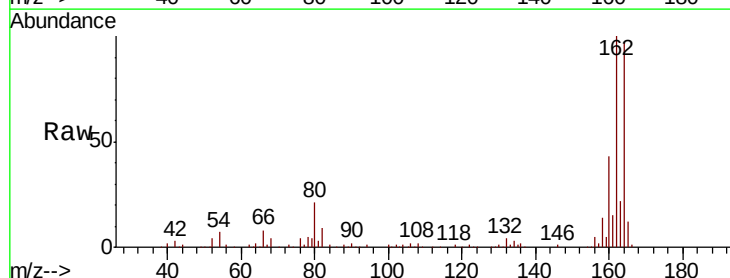
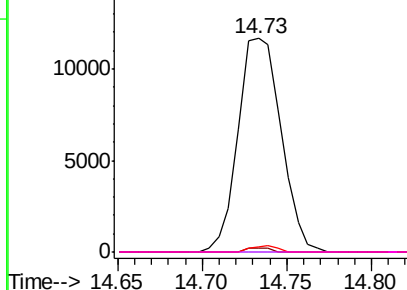
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

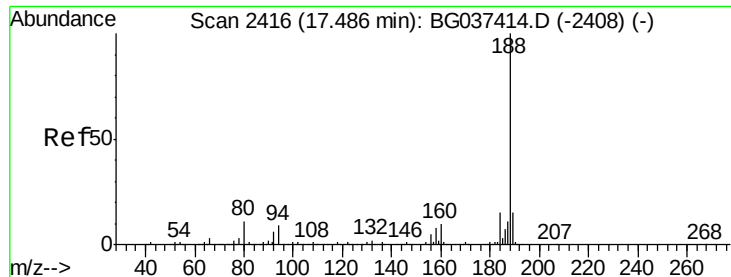


#57
 2,4-Dinitrotoluene
 Concen: 5.800 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037589.D
 Acq: 26 Oct 2018 20:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	33.4	50.0#
89	2.4	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: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037589.D

Acq: 26 Oct 2018 20:28

Instrument :

BNA_G

ClientSampleId :

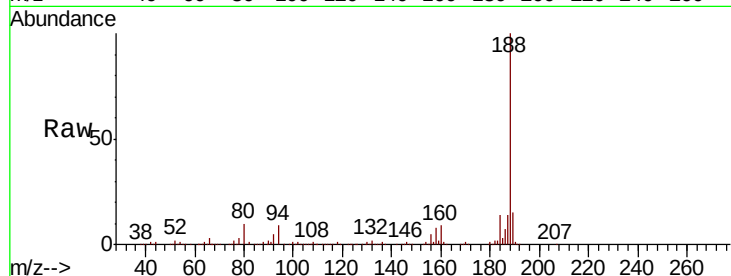
Tot Ion:188 Resp: 389891

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

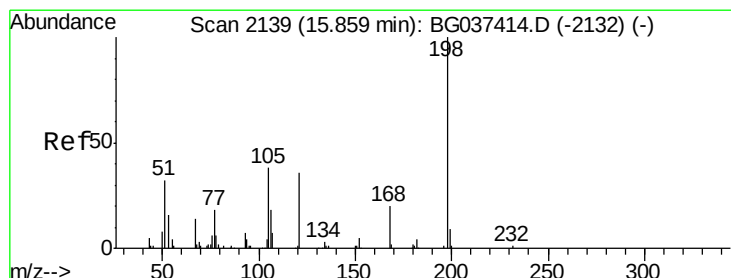
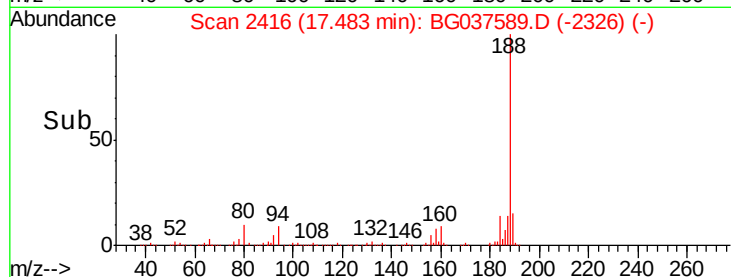
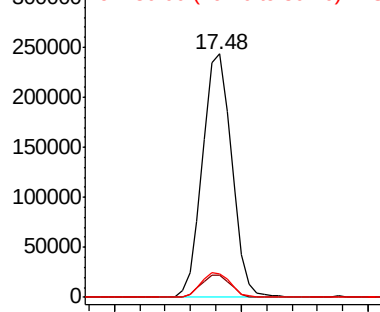
80 9.8 7.7 11.5



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: 8.704 ng

RT: 16.21 min Scan# 2199

Delta R.T. 0.35 min

Lab File: BG037589.D

Acq: 26 Oct 2018 20:28

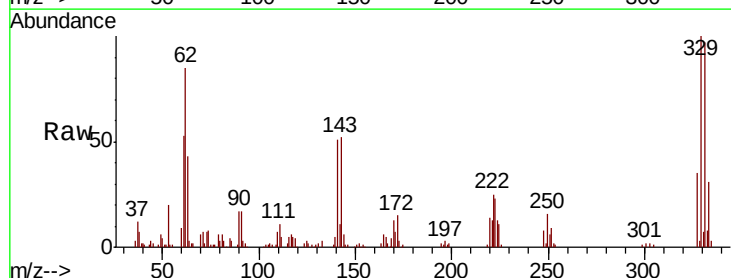
Tgt Ion:198 Resp: 489

Ion Ratio Lower Upper

198 100

51 20.2 22.7 62.7#

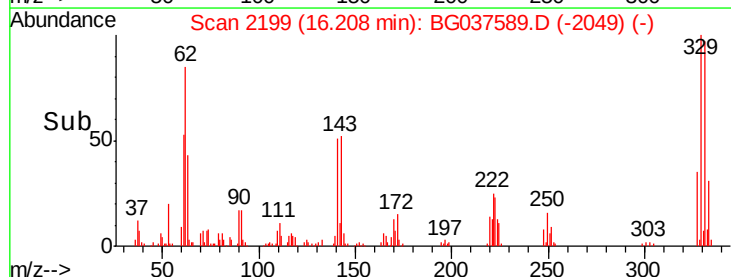
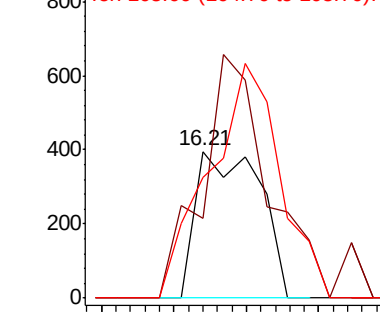
105 30.5 19.7 59.7

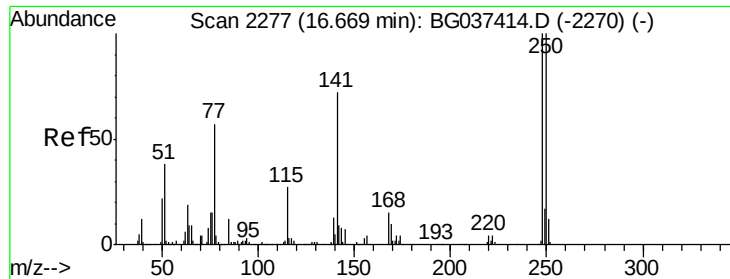


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

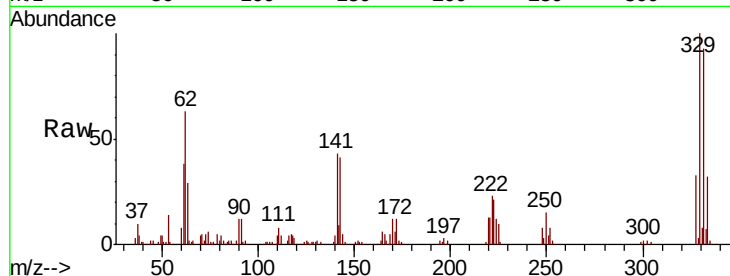




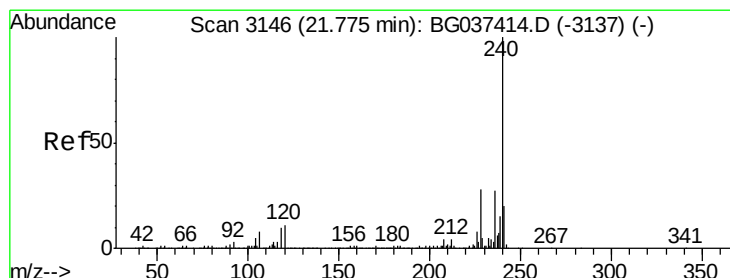
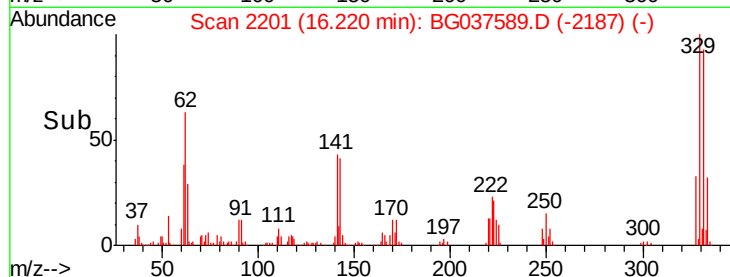
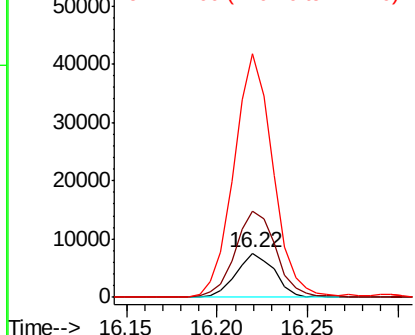
#67
 4-Bromophenyl-phenylether
 Concen: 2.594 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037589.D
 Acq: 26 Oct 2018 20:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 11108
 Ion Ratio Lower Upper
 248 100
 250 184.3 77.0 115.6#
 141 414.6 55.5 83.3#

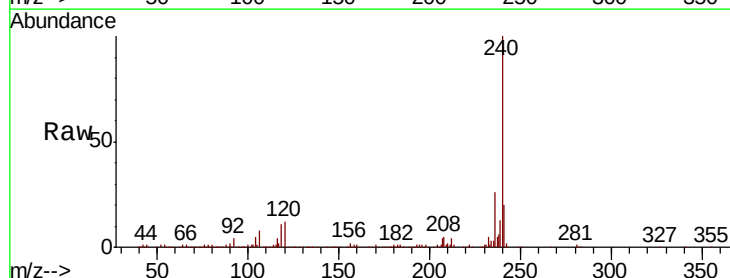


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

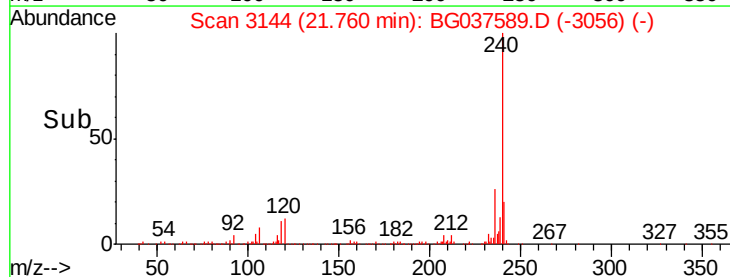
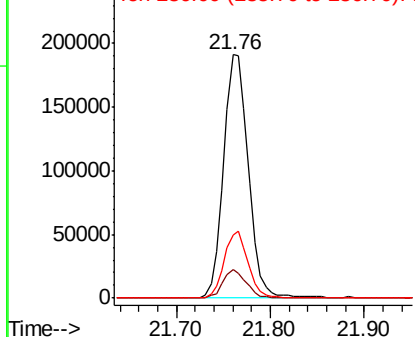


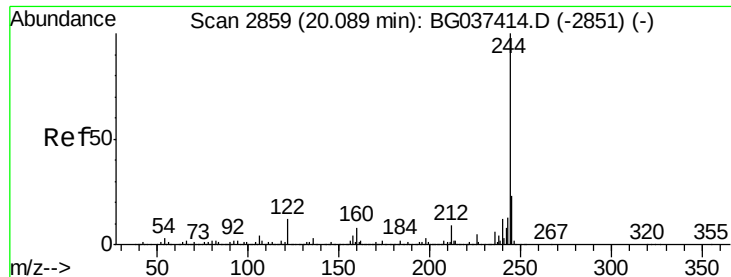
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG037589.D
 Acq: 26 Oct 2018 20:28

Tgt Ion:240 Resp: 350646
 Ion Ratio Lower Upper
 240 100
 120 11.8 8.1 12.1
 236 25.7 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: 86.413 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037589.D

Acq: 26 Oct 2018 20:28

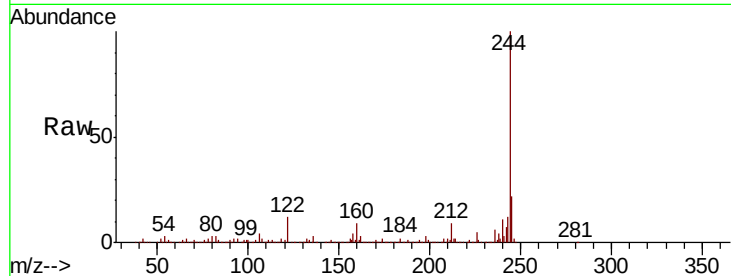
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1418050

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.5	9.7
122	12.1	9.0	13.4

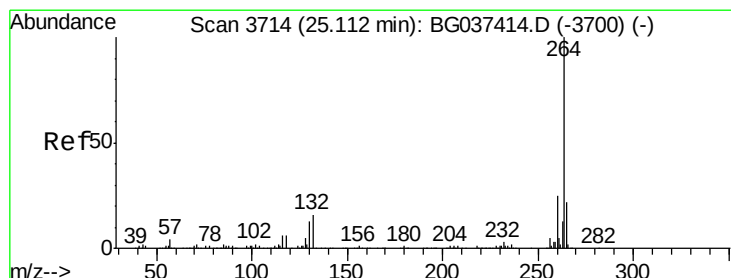
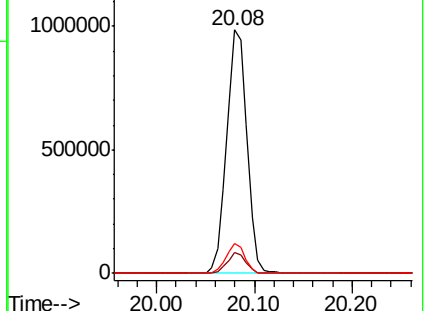
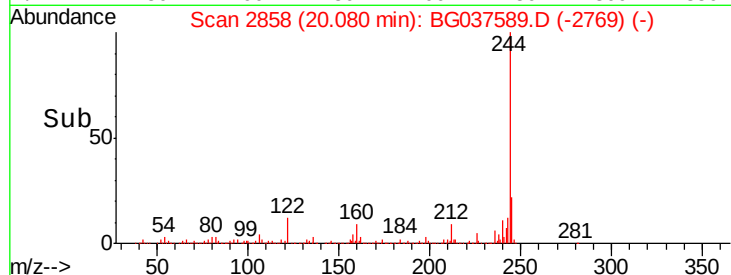


Abundance

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: 25.10 min Scan# 3712

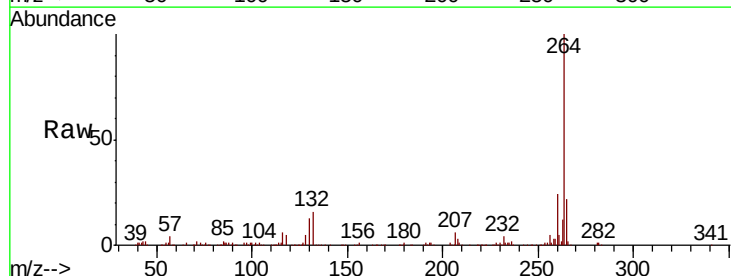
Delta R.T. -0.01 min

Lab File: BG037589.D

Acq: 26 Oct 2018 20:28

Tgt Ion:264 Resp: 342430

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	21.6	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

