

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102318\
 Data File : BG037479.D
 Acq On : 23 Oct 2018 16:51
 Operator : JU/SJ
 Sample : PB114087BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 24 04:42:07 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

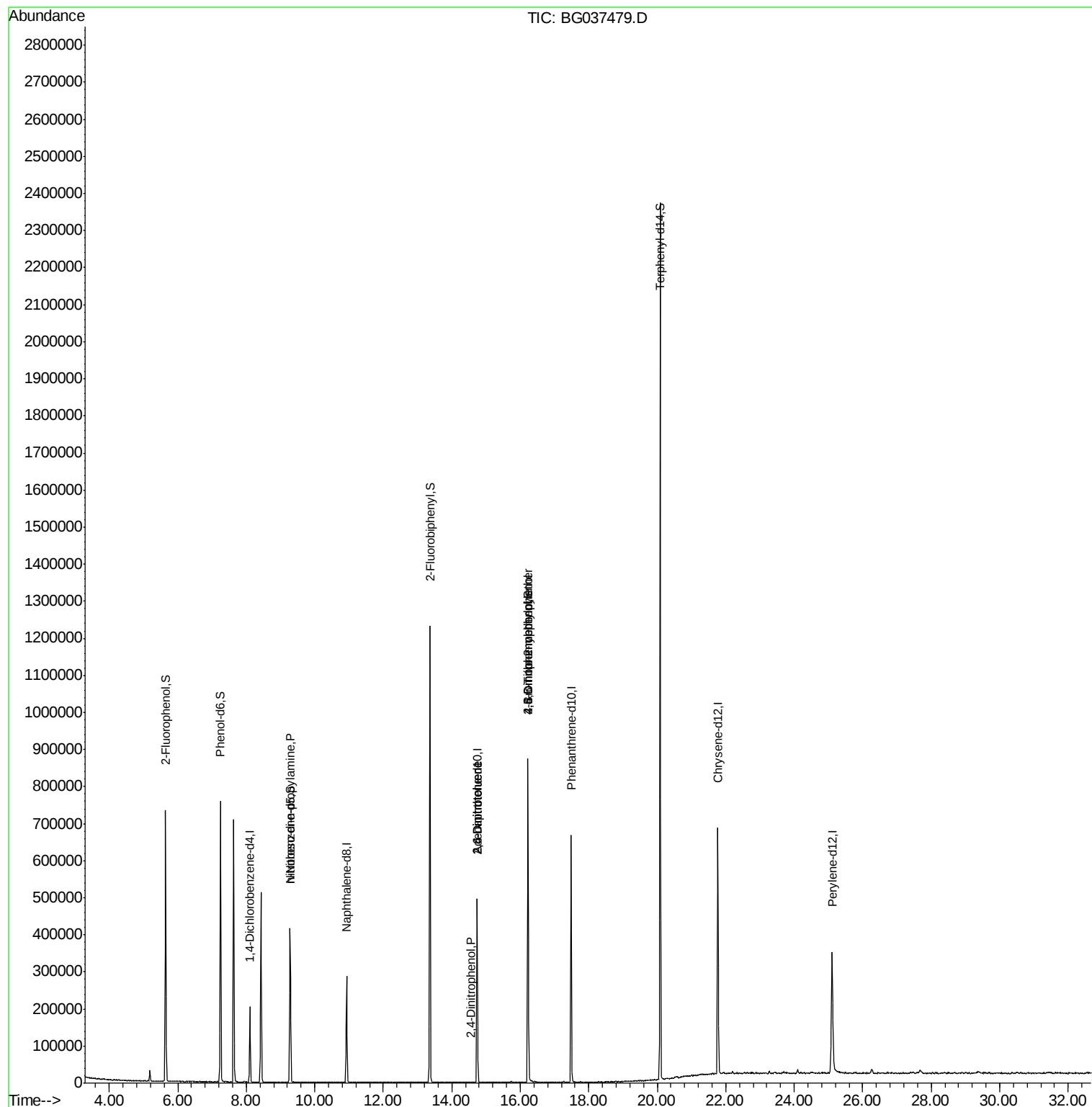
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	59896	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	254725	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	174656	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	448412	20.00	ng	0.00
76) Chrysene-d12	21.77	240	410515	20.00	ng	0.00
87) Perylene-d12	25.11	264	400087	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	335360	93.61	ng	0.00
7) Phenol-d6	7.25	99	476249	87.91	ng	0.00
23) Nitrobenzene-d5	9.28	82	264814	58.24	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	161703	84.89	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	671167	57.95	ng	0.00
79) Terphenyl-d14	20.09	244	1119146	58.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	33369	8.945	ng	# 72
51) 2,6-Dinitrotoluene	14.74	165	22631	7.571	ng	# 25
54) 2,4-Dinitrophenol	14.56	184	60	6.193	ng	# 26
57) 2,4-Dinitrotoluene	14.74	165	22631	5.768	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	545	8.698	ng	91
67) 4-Bromophenyl-phenylether	16.23	248	11640	2.364	ng	# 1

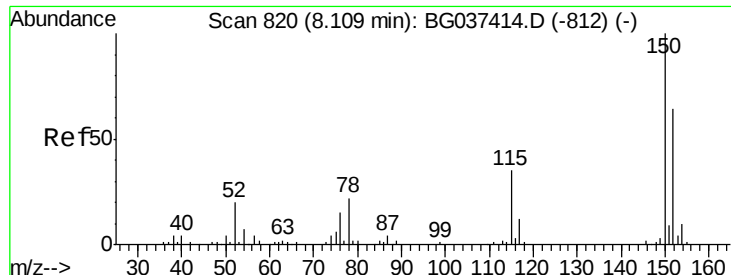
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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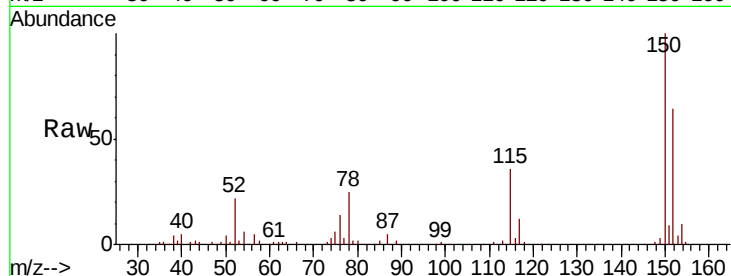


#1

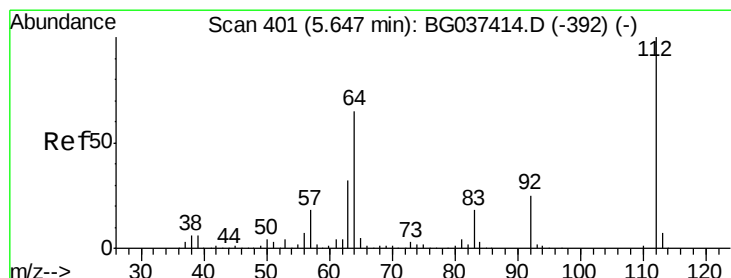
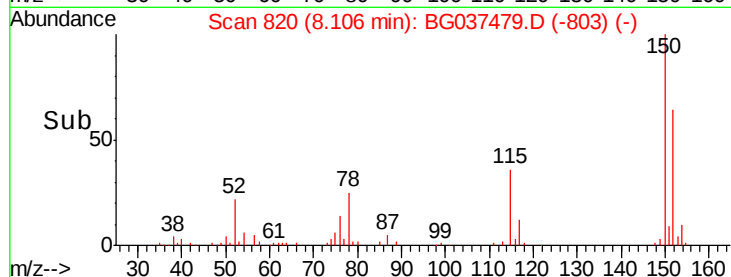
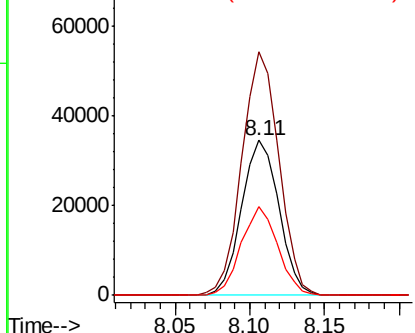
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037479.D
Acq: 23 Oct 2018 16:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59896
Ion Ratio Lower Upper
152 100
150 157.3 126.0 189.0
115 57.2 45.5 68.3



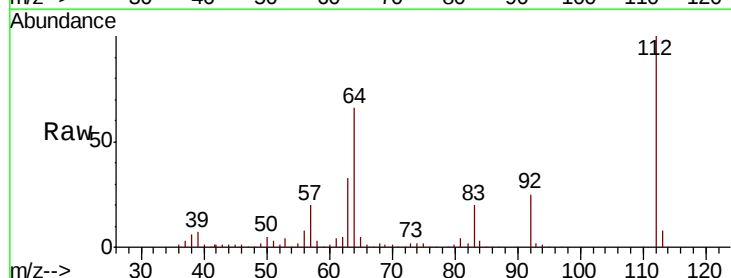
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



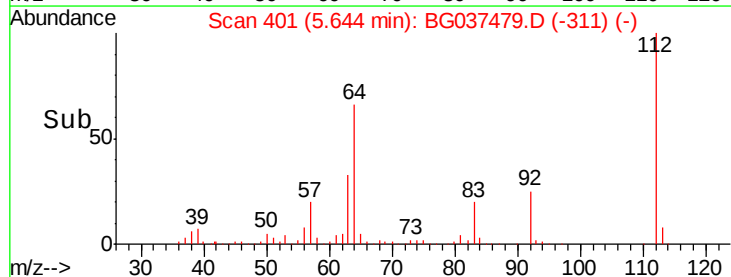
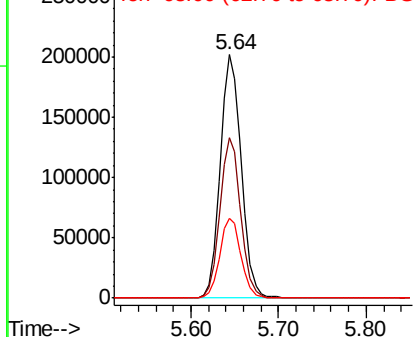
#5

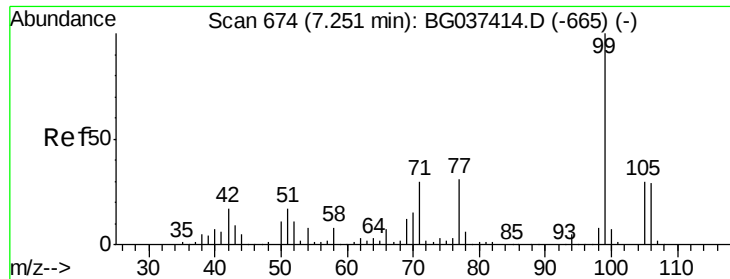
2-Fluorophenol
Concen: 93.608 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037479.D
Acq: 23 Oct 2018 16:51

Tgt Ion:112 Resp: 335360
Ion Ratio Lower Upper
112 100
64 66.1 53.1 79.7
63 32.9 27.3 40.9



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: 87.912 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037479.D

Acq: 23 Oct 2018 16:51

Instrument :

BNA_G

ClientSampleId :

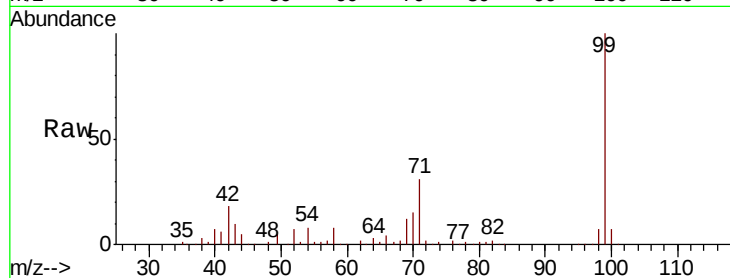
Tot Ion: 99 Resp: 476249

Ion Ratio Lower Upper

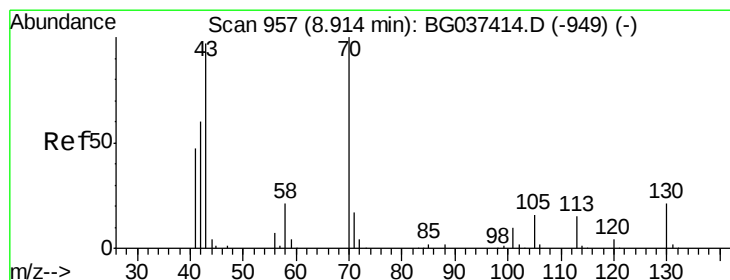
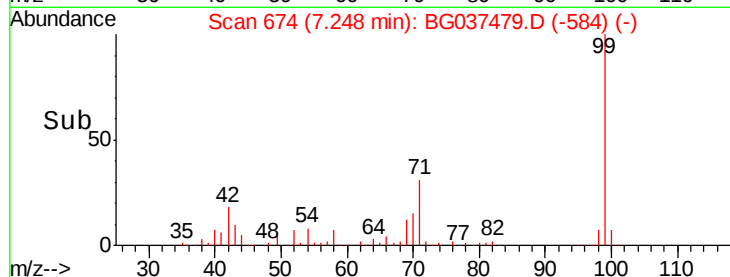
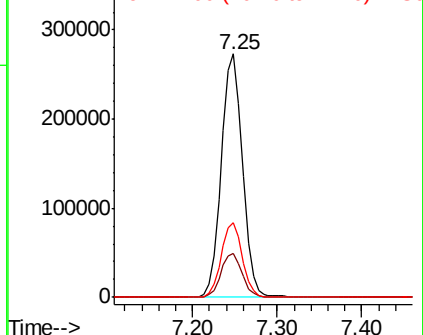
99 100

42 17.8 15.0 22.4

71 30.6 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: 8.945 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037479.D

Acq: 23 Oct 2018 16:51

Tgt Ion: 70 Resp: 33369

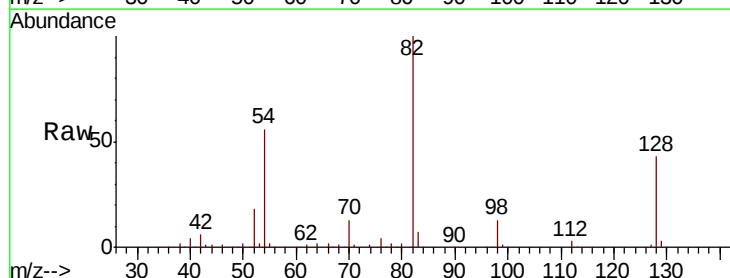
Ion Ratio Lower Upper

70 100

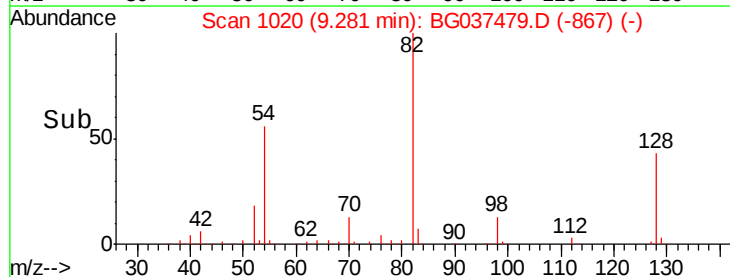
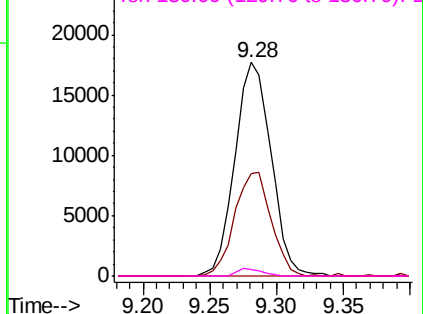
42 47.8 53.9 80.9#

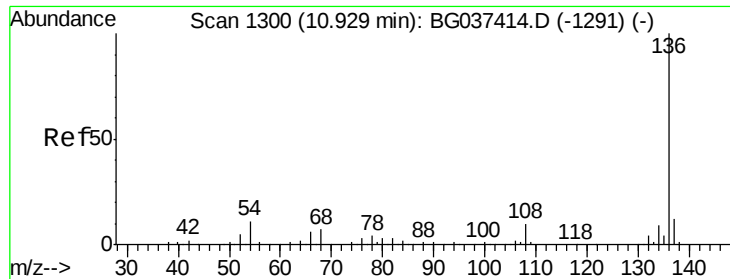
101 0.0 8.2 12.2#

130 3.2 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

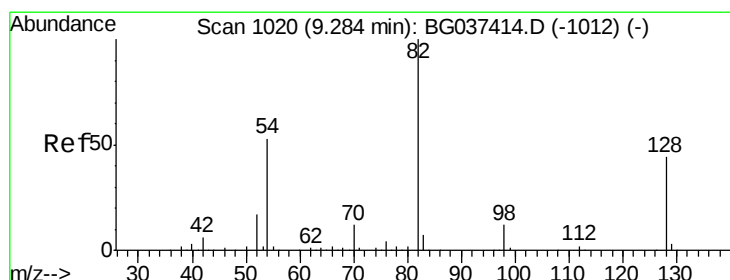
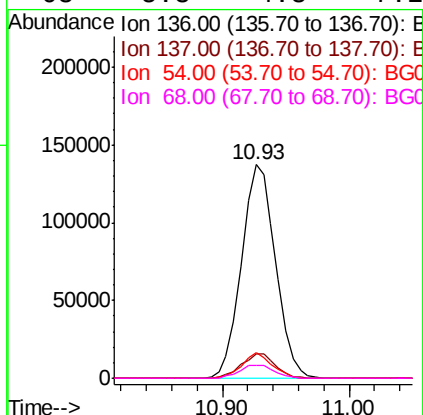
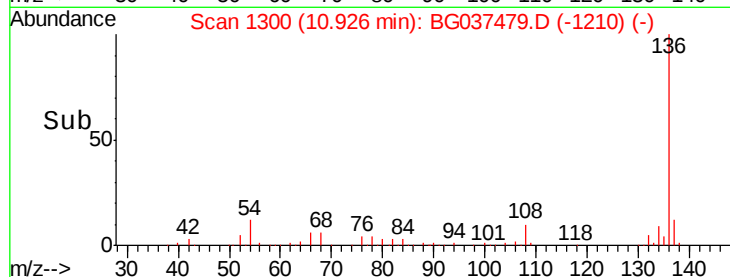
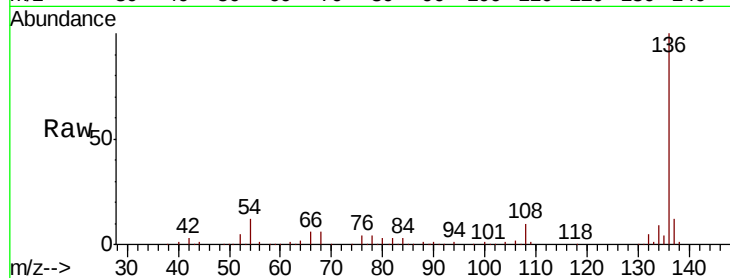




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037479.D
Acq: 23 Oct 2018 16:51

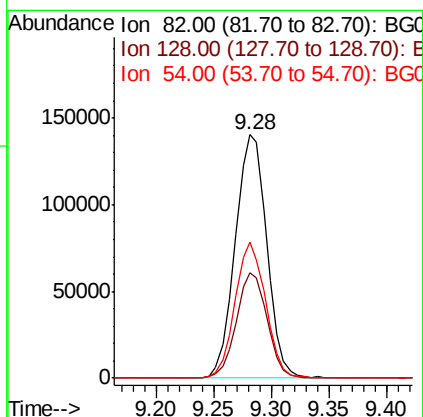
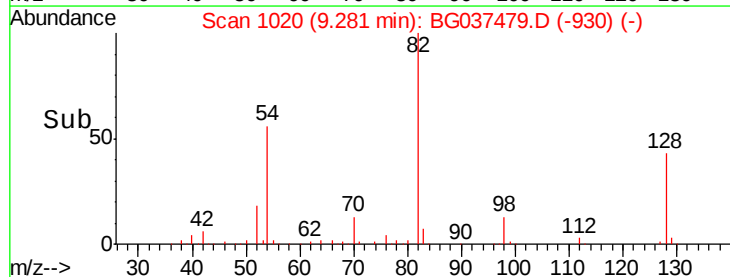
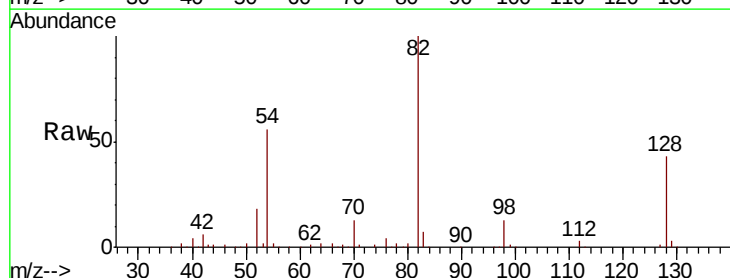
Instrument :
BNA_G
ClientSampleId :

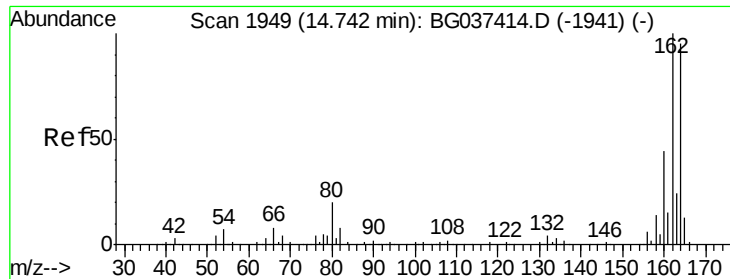
Tot Ion:136	Resp:	254725
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.6 14.4
54	12.1	7.9 11.9#
68	5.8	4.8 7.2



#23
Nitrobenzene-d5
Concen: 58.238 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037479.D
Acq: 23 Oct 2018 16:51

Tgt Ion: 82	Resp:	264814
Ion	Ratio	Lower Upper
82	100	
128	43.0	34.6 51.8
54	56.0	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037479.D

Acq: 23 Oct 2018 16:51

Instrument :

BNA_G

ClientSampleId :

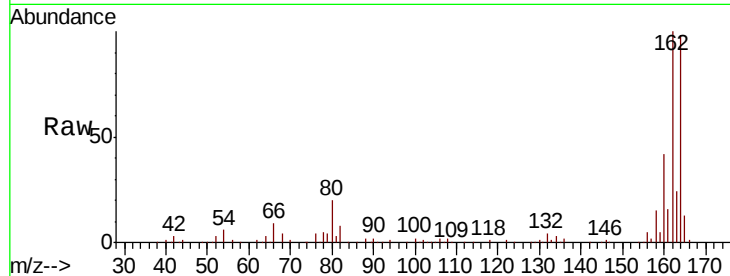
Tot Ion:164 Resp: 174656

Ion Ratio Lower Upper

164 100

162 102.2 81.3 121.9

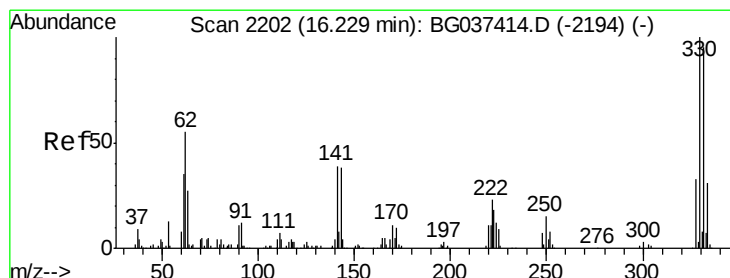
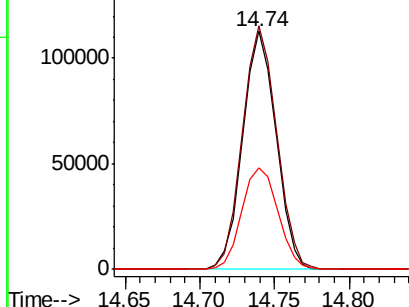
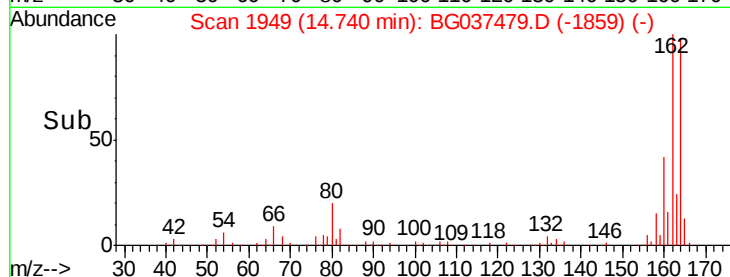
160 42.8 36.3 54.5



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: 84.886 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037479.D

Acq: 23 Oct 2018 16:51

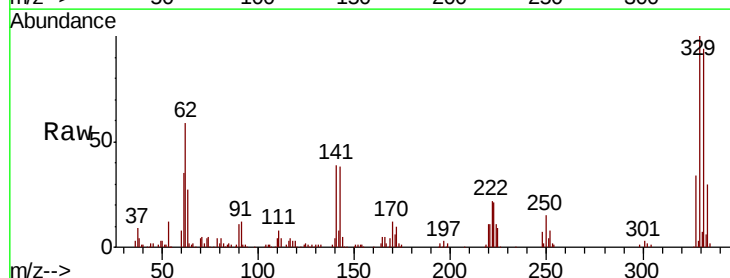
Tgt Ion:330 Resp: 161703

Ion Ratio Lower Upper

330 100

332 94.9 78.4 117.6

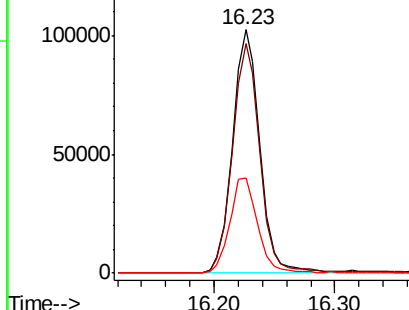
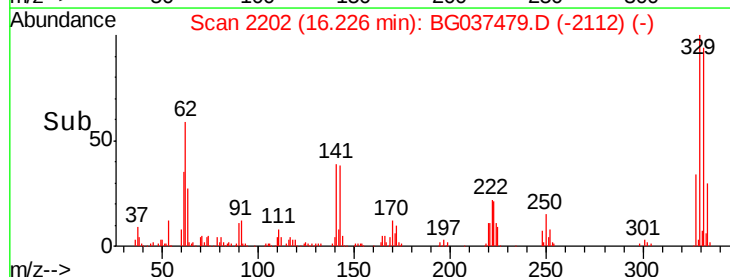
141 39.8 32.2 48.2

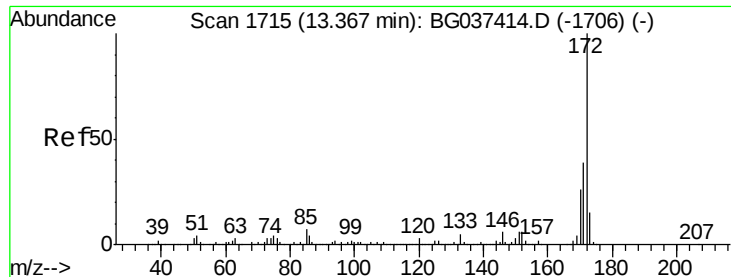


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

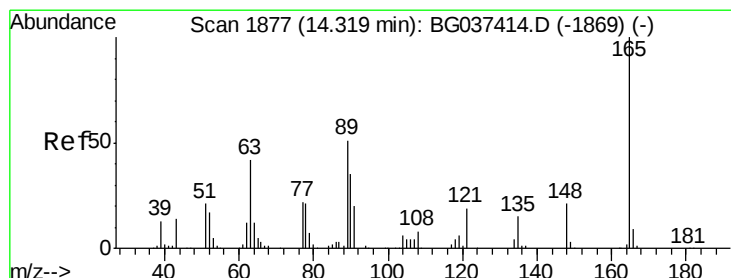
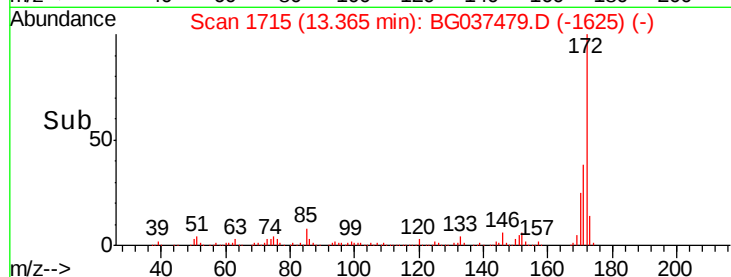
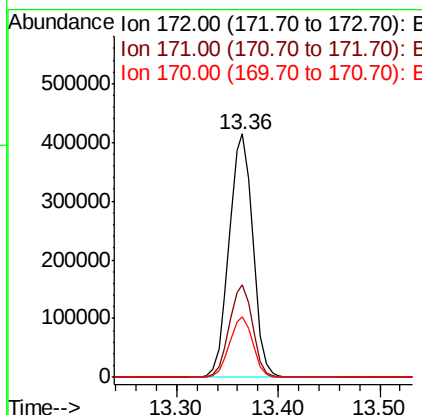
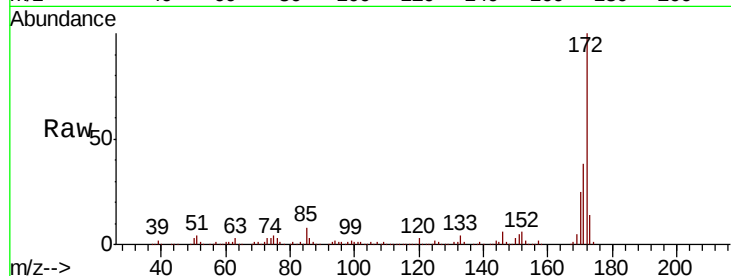




#45
 2-Fluorobiphenyl
 Concen: 57.947 ng
 RT: 13.36 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG037479.D
 Acq: 23 Oct 2018 16:51

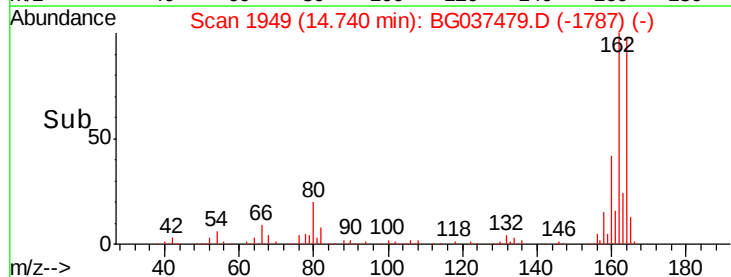
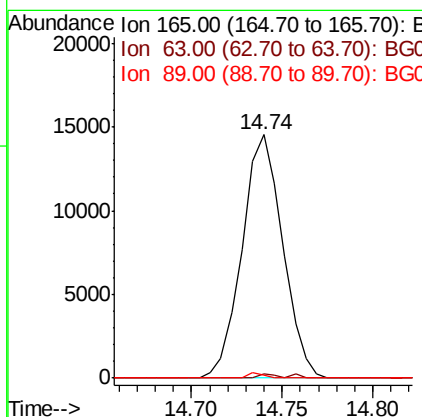
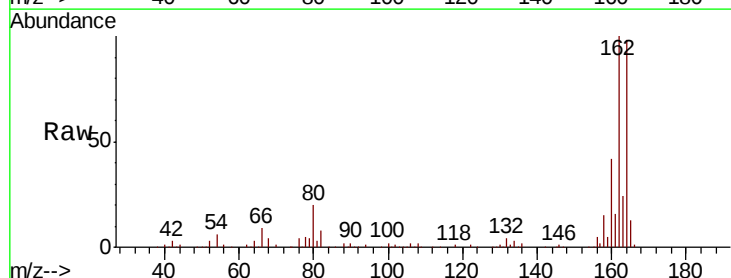
Instrument :
 BNA_G
 ClientSampled :

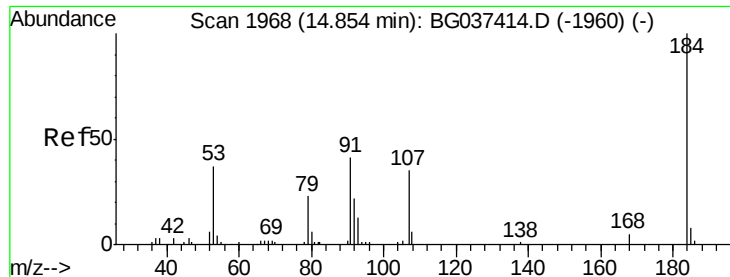
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.0	46.4
170	25.1	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.571 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. 0.42 min
 Lab File: BG037479.D
 Acq: 23 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	43.4	65.2#
89	1.1	45.8	68.6#

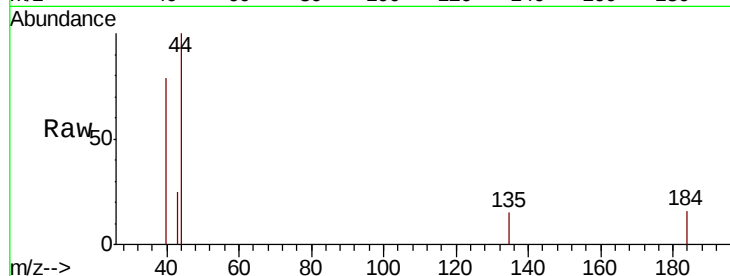




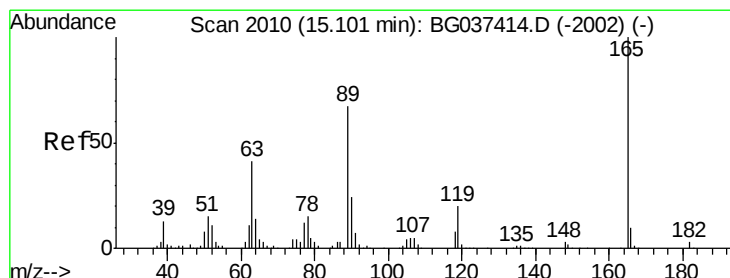
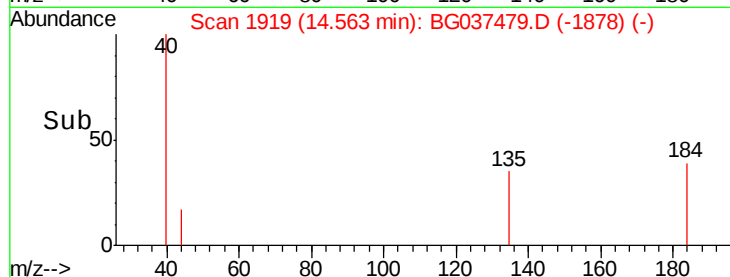
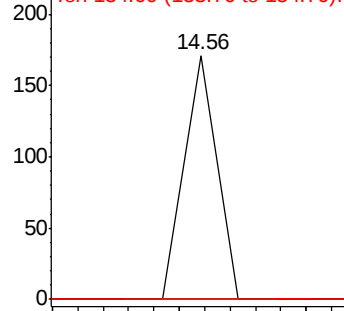
#54
 2,4-Dinitrophenol
 Concen: 6.193 ng
 RT: 14.56 min Scan# 1919
 Delta R.T. -0.29 min
 Lab File: BG037479.D
 Acq: 23 Oct 2018 16:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 60
 Ion Ratio Lower Upper
 184 100
 63 0.0 42.6 63.8#
 154 0.0 41.8 62.6#

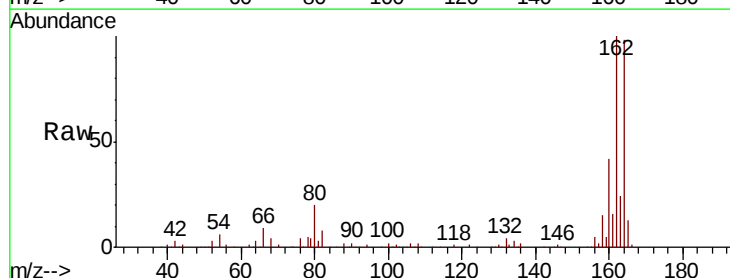


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

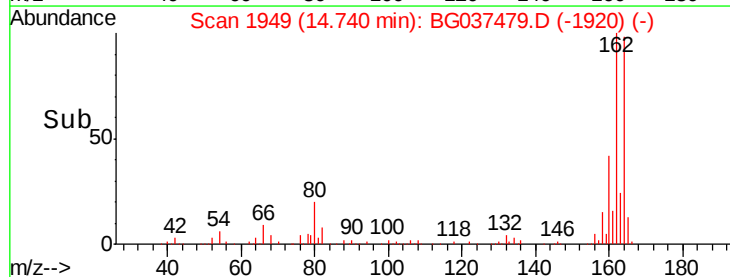
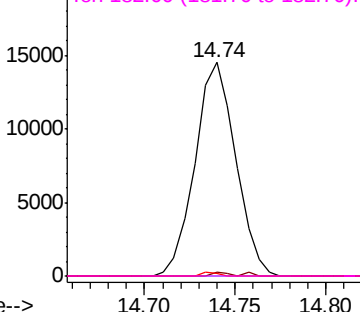


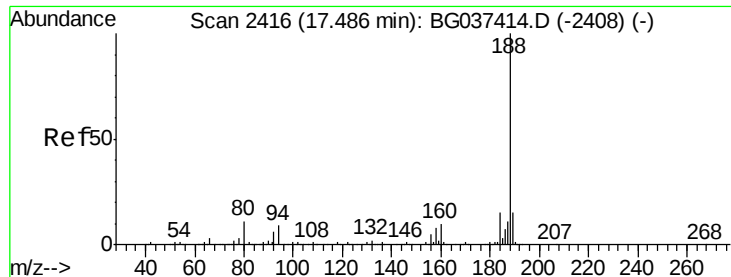
#57
 2,4-Dinitrotoluene
 Concen: 5.768 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. -0.36 min
 Lab File: BG037479.D
 Acq: 23 Oct 2018 16:51

Tgt Ion:165 Resp: 22631
 Ion Ratio Lower Upper
 165 100
 63 1.8 33.4 50.0#
 89 1.1 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): BG
 Ion 89.00 (88.70 to 89.70): BG
 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: BG037479.D

Acq: 23 Oct 2018 16:51

Instrument :

BNA_G

ClientSampleId :

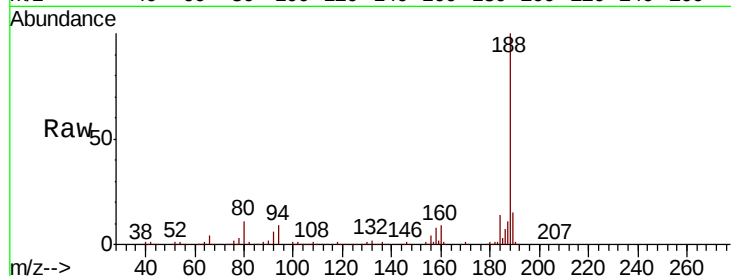
Tot Ion:188 Resp: 448412

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

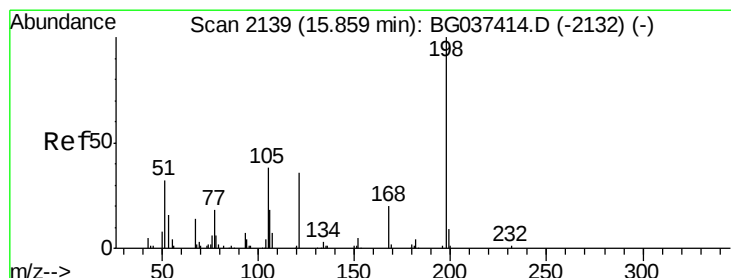
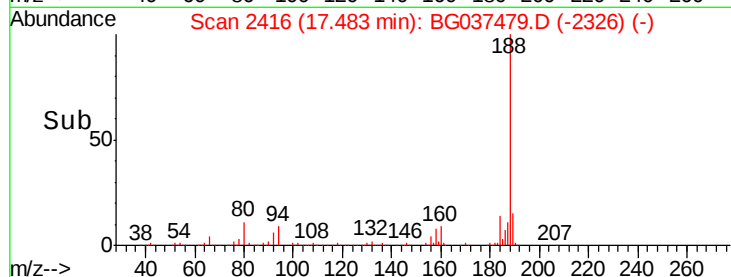
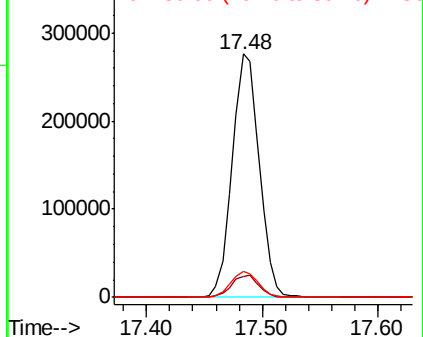
80 10.9 7.7 11.5



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: 8.698 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037479.D

Acq: 23 Oct 2018 16:51

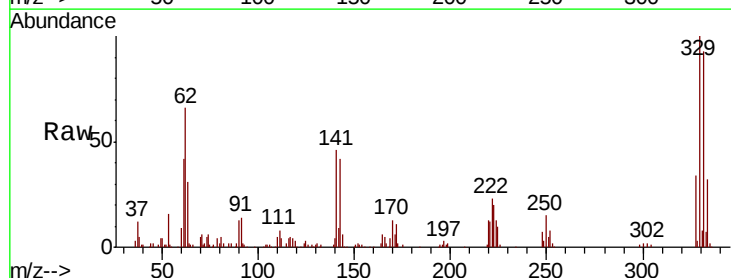
Tgt Ion:198 Resp: 545

Ion Ratio Lower Upper

198 100

51 40.4 22.7 62.7

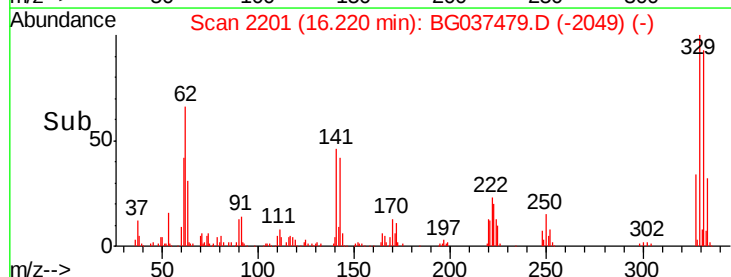
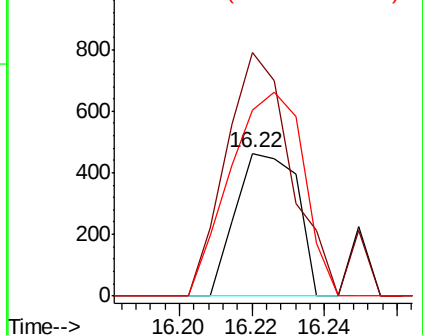
105 30.9 19.7 59.7

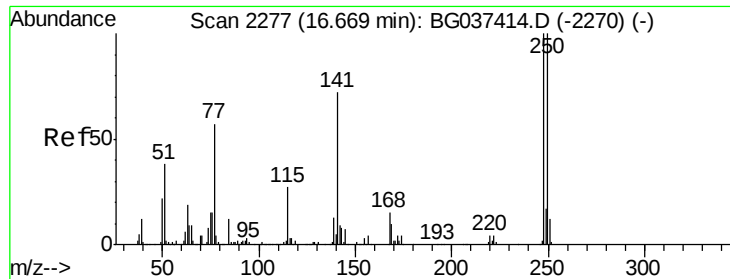


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

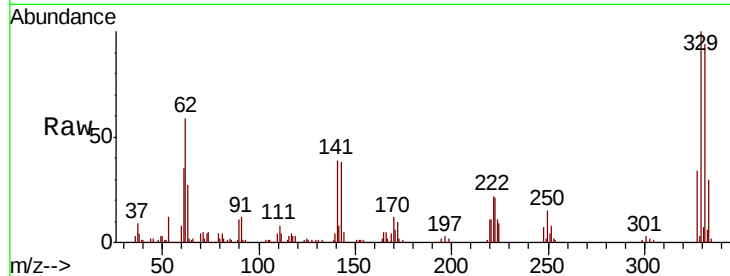




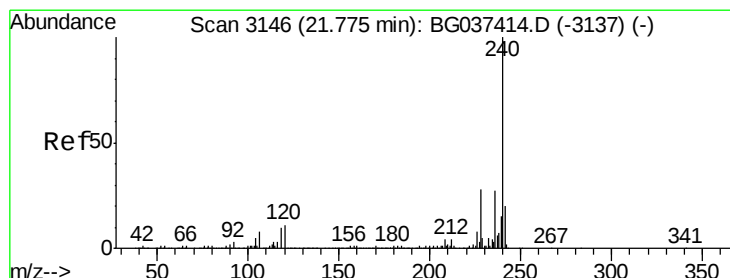
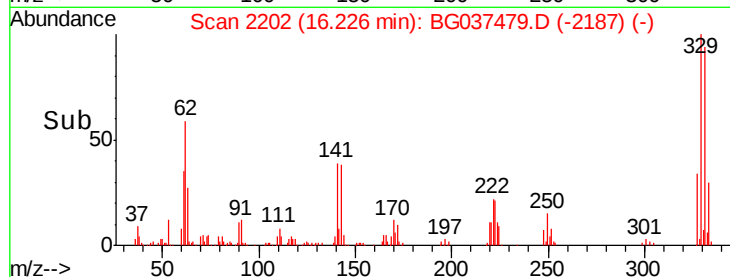
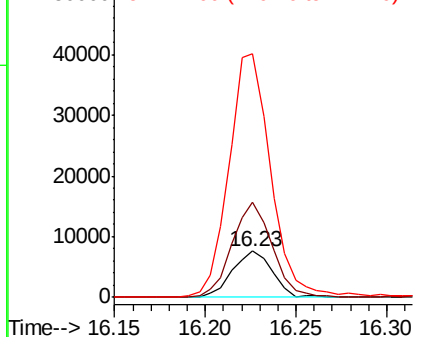
#67
 4-Bromophenyl-phenylether
 Concen: 2.364 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.44 min
 Lab File: BG037479.D
 Acq: 23 Oct 2018 16:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11640
 Ion Ratio Lower Upper
 248 100
 250 205.6 77.0 115.6#
 141 410.9 55.5 83.3#

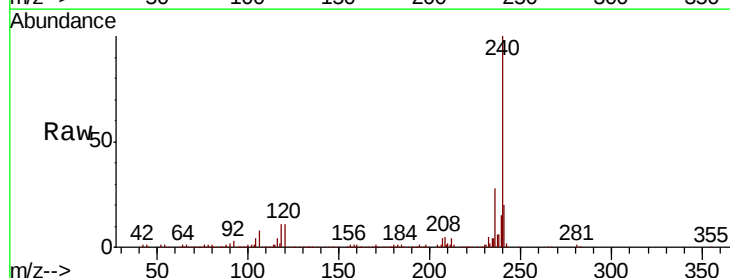


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

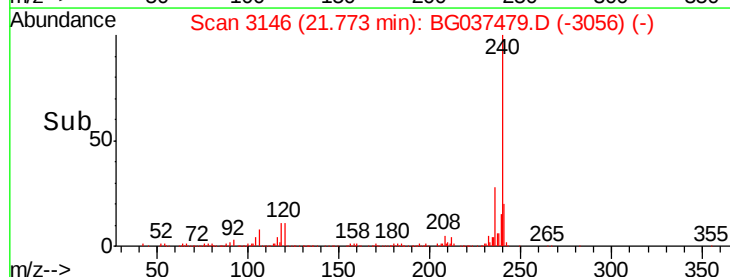
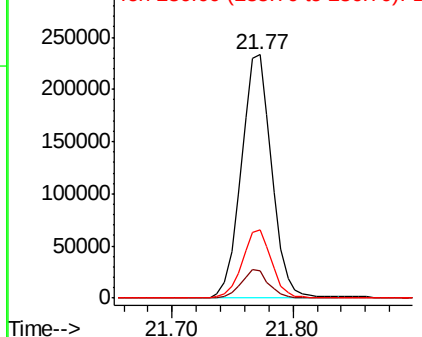


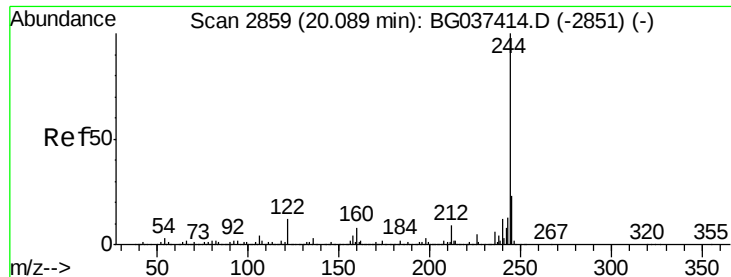
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: BG037479.D
 Acq: 23 Oct 2018 16:51

Tgt Ion:240 Resp: 410515
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.1 12.1
 236 27.8 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: 58.253 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037479.D

Acq: 23 Oct 2018 16:51

Instrument :

BNA_G

ClientSampleId :

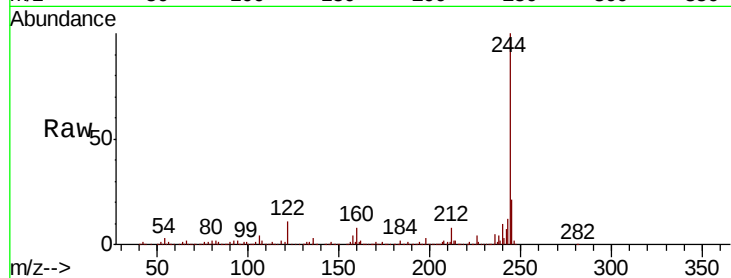
Tot Ion:244 Resp: 1119146

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

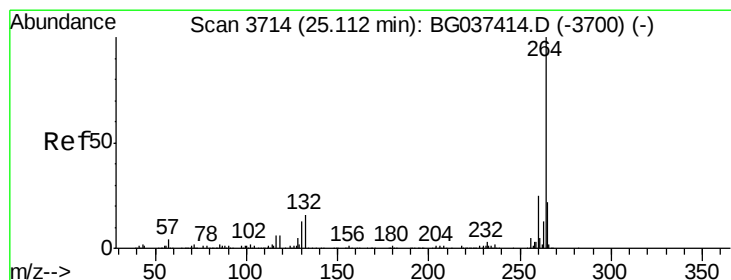
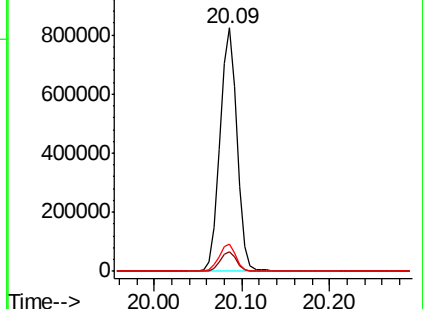
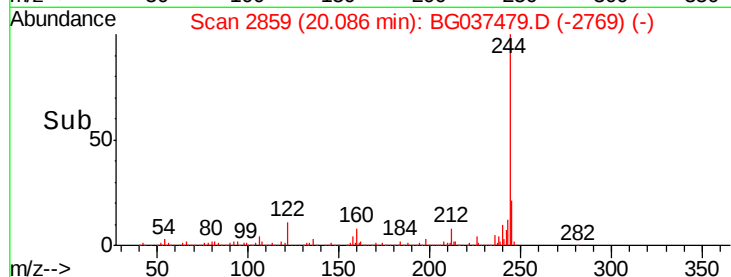
122 11.3 9.0 13.4



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: 25.11 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BG037479.D

Acq: 23 Oct 2018 16:51

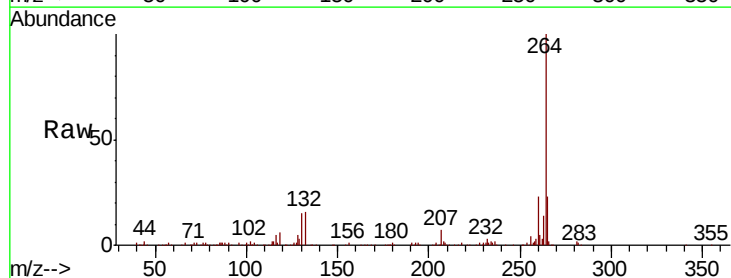
Tgt Ion:264 Resp: 400087

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 23.2 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

