

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038382.D
 Acq On : 6 Dec 2018 13:31
 Operator : JU/SJ
 Sample : PB115178BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 06 14:28:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

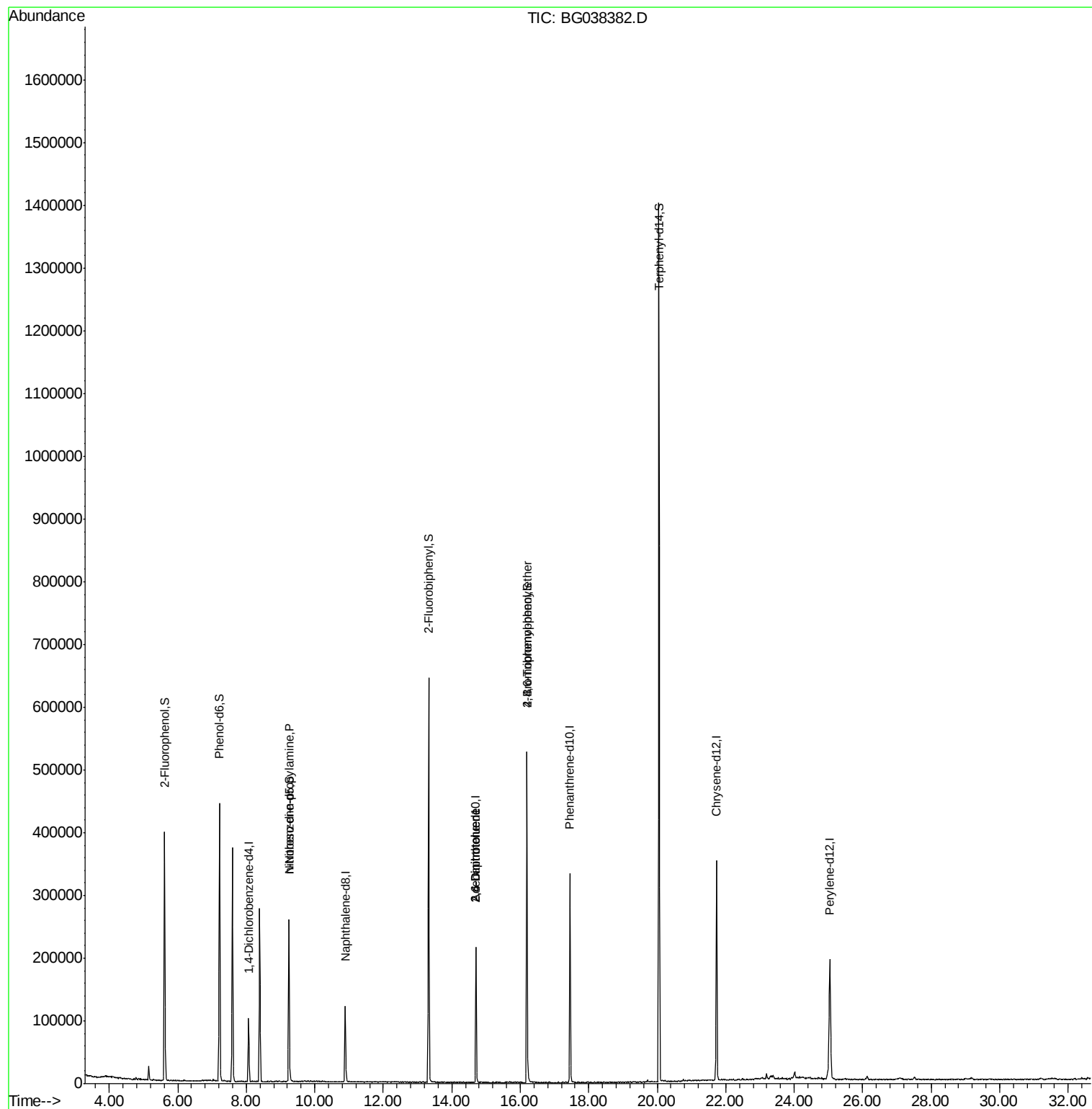
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	28956	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	119096	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	79865	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	217210	20.00	ng	0.00
76) Chrysene-d12	21.73	240	221076	20.00	ng	-0.01
87) Perylene-d12	25.04	264	230781	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	174081	106.39	ng	0.00
7) Phenol-d6	7.22	99	255257	107.93	ng	0.00
23) Nitrobenzene-d5	9.25	82	170778	71.19	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	104326	106.41	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	355620	63.45	ng	0.00
79) Terphenyl-d14	20.05	244	712549	69.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	21319	10.797	ng	# 79
51) 2,6-Dinitrotoluene	14.71	165	10228	6.990	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	10228	5.068	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	7334	3.127	ng	# 1

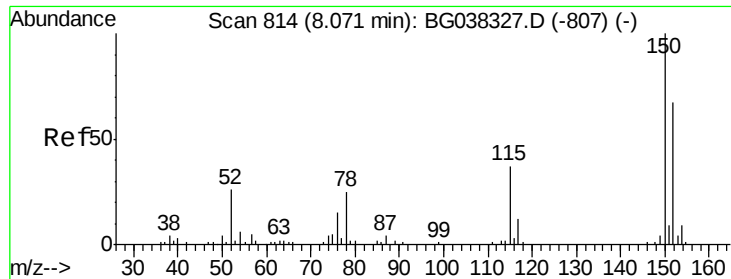
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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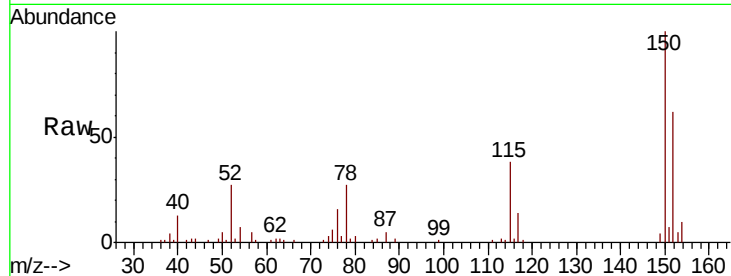




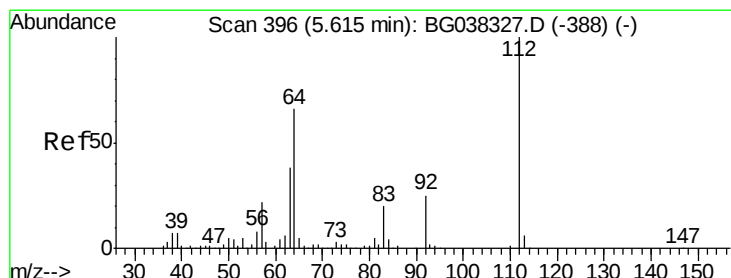
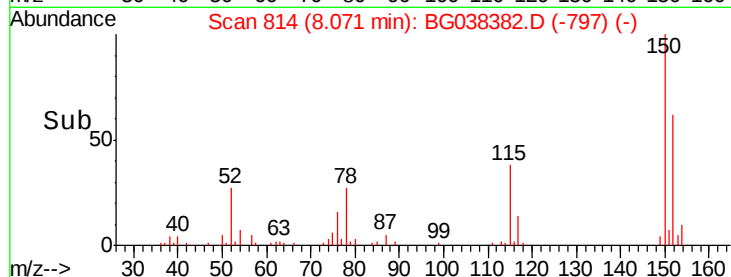
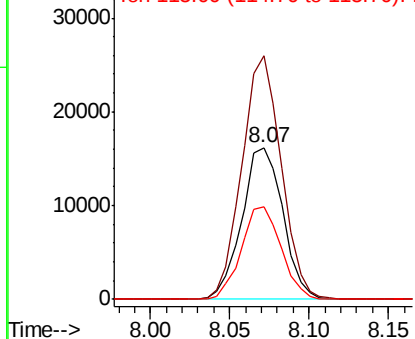
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BG038382.D
 Acq: 6 Dec 2018 13:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 28956
 Ion Ratio Lower Upper
 152 100
 150 160.3 126.0 189.0
 115 61.2 45.5 68.3

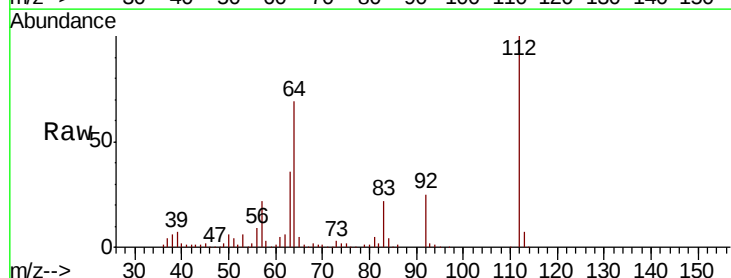


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

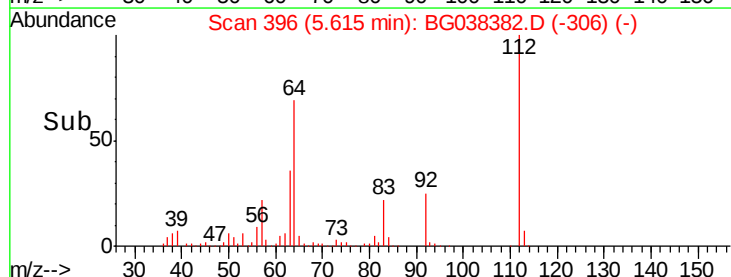
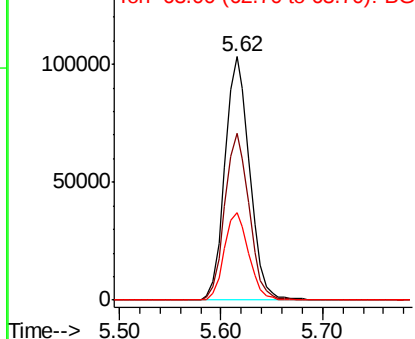


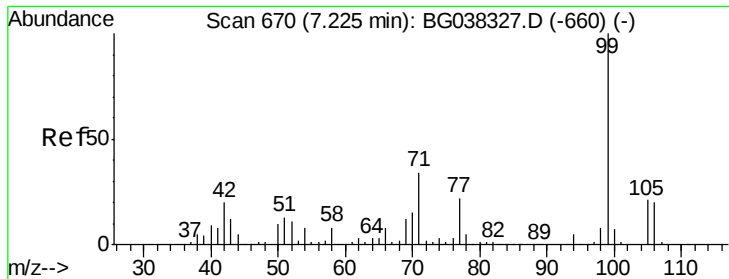
#5
 2-Fluorophenol
 Concen: 106.389 ng
 RT: 5.62 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: BG038382.D
 Acq: 6 Dec 2018 13:31

Tgt Ion:112 Resp: 174081
 Ion Ratio Lower Upper
 112 100
 64 68.8 53.1 79.7
 63 35.9 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: 107.933 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038382.D

Acq: 6 Dec 2018 13:31

Instrument :

BNA_G

ClientSampleId :

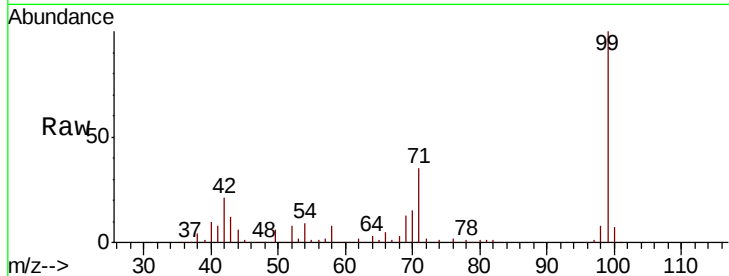
Tot Ion: 99 Resp: 255257

Ion Ratio Lower Upper

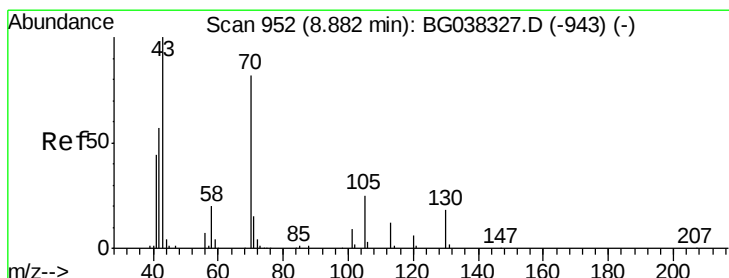
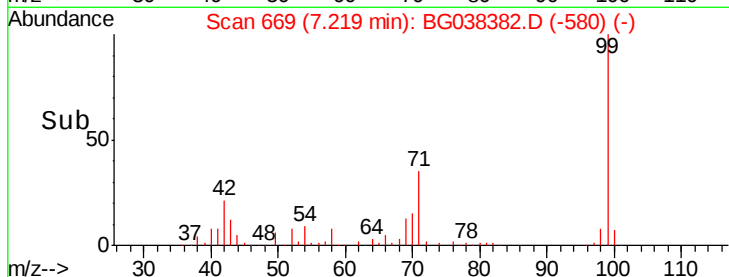
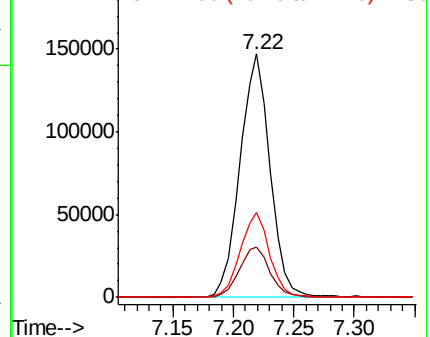
99 100

42 20.8 15.0 22.4

71 34.7 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: 10.797 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038382.D

Acq: 6 Dec 2018 13:31

Tgt Ion: 70 Resp: 21319

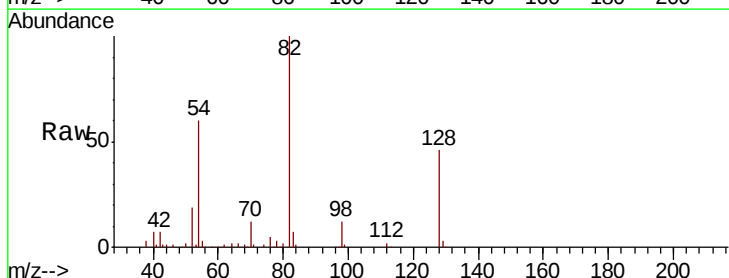
Ion Ratio Lower Upper

70 100

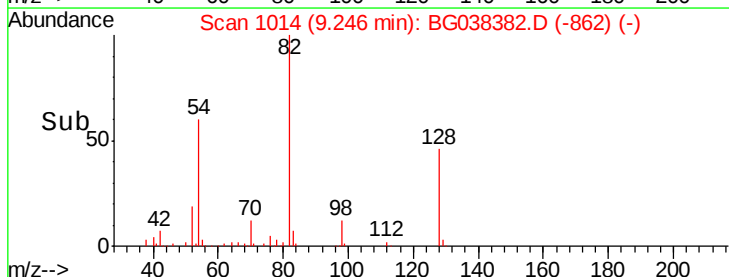
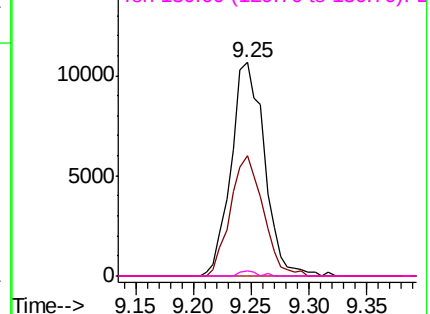
42 56.4 53.9 80.9

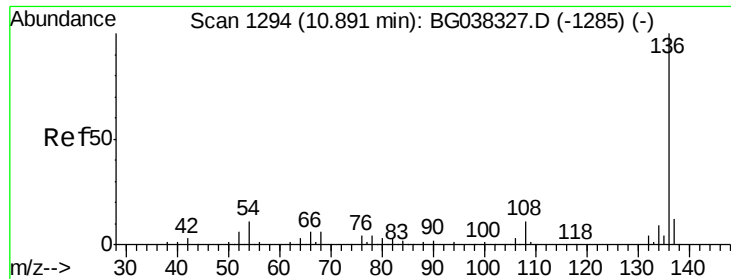
101 0.0 8.2 12.2#

130 2.6 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

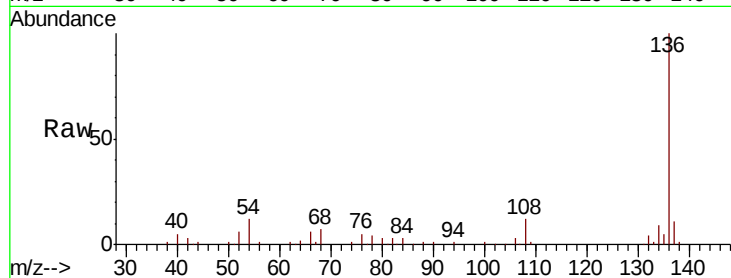




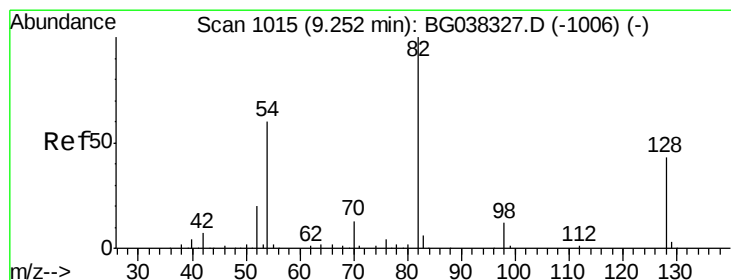
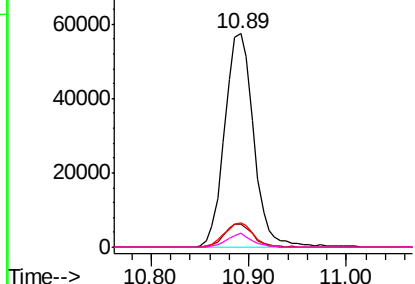
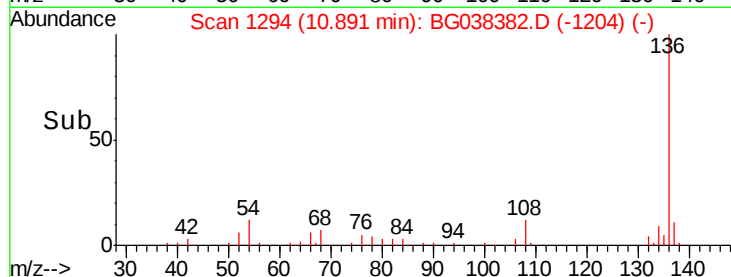
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BG038382.D
Acq: 6 Dec 2018 13:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	119096
Ion	Ratio	Lower Upper
136	100	
137	10.6	9.6 14.4
54	11.6	7.9 11.9
68	6.6	4.8 7.2

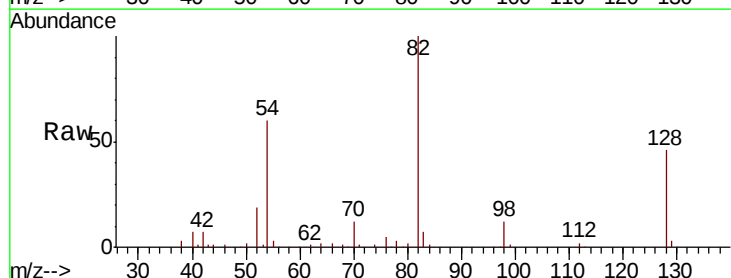


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

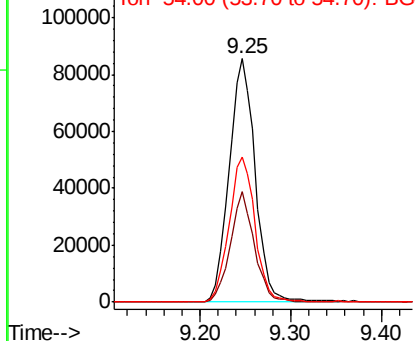
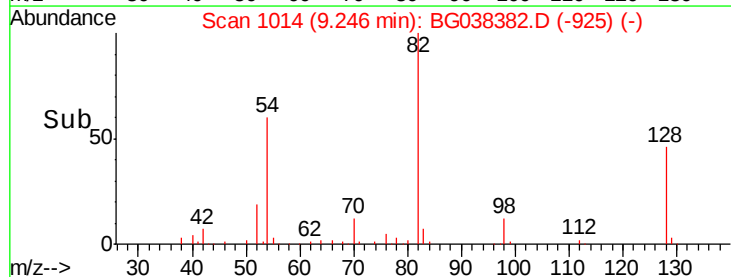


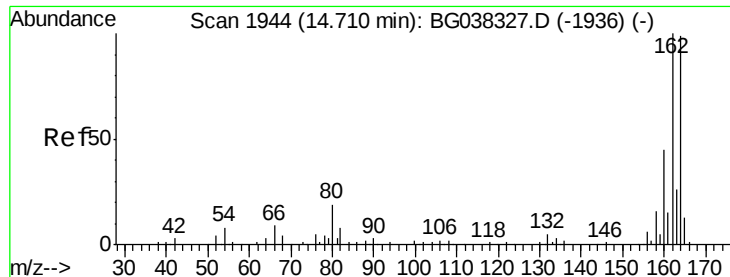
#23
Nitrobenzene-d5
Concen: 71.193 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038382.D
Acq: 6 Dec 2018 13:31

Tgt Ion: 82	Resp:	170778
Ion	Ratio	Lower Upper
82	100	
128	45.6	34.6 51.8
54	59.6	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: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038382.D

Acq: 6 Dec 2018 13:31

Instrument :

BNA_G

ClientSampleId :

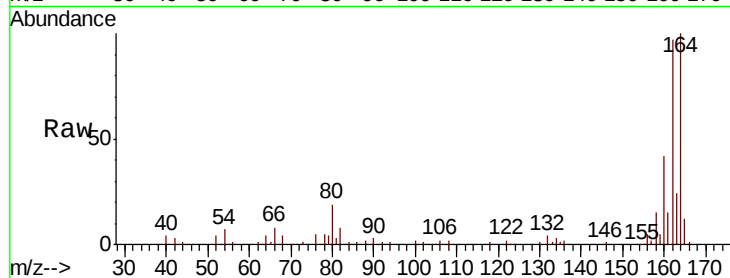
Tot Ion:164 Resp: 79865

Ion Ratio Lower Upper

164 100

162 97.3 81.3 121.9

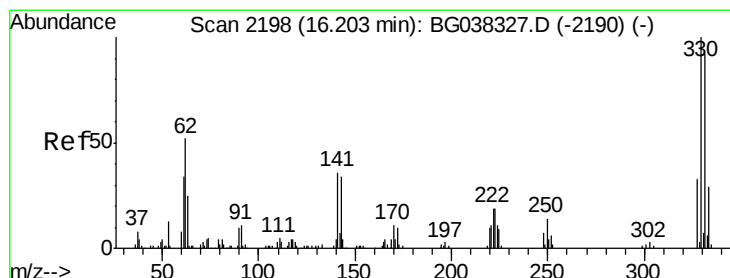
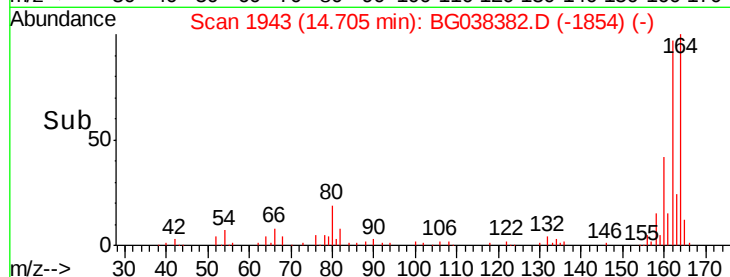
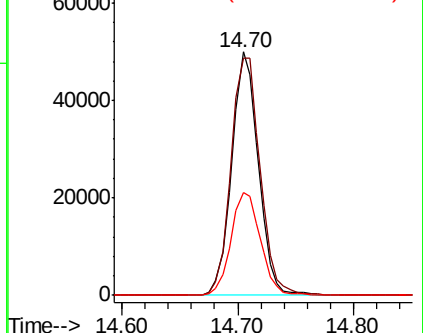
160 42.5 36.3 54.5



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: 106.407 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038382.D

Acq: 6 Dec 2018 13:31

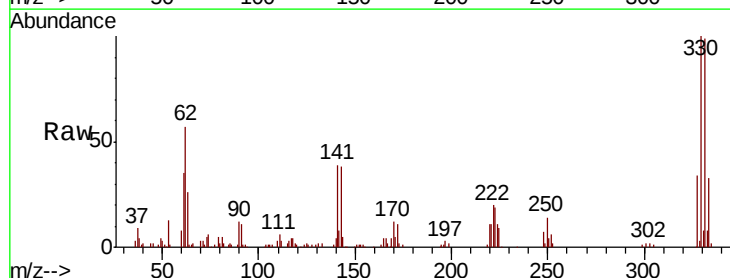
Tgt Ion:330 Resp: 104326

Ion Ratio Lower Upper

330 100

332 97.3 78.4 117.6

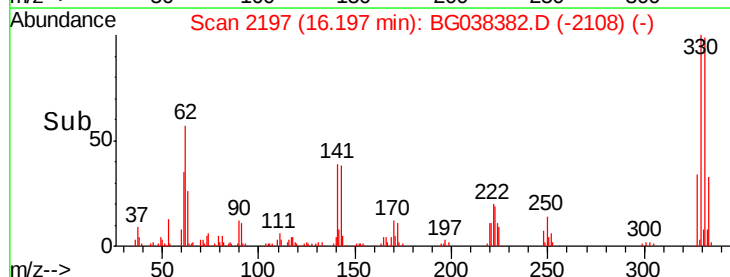
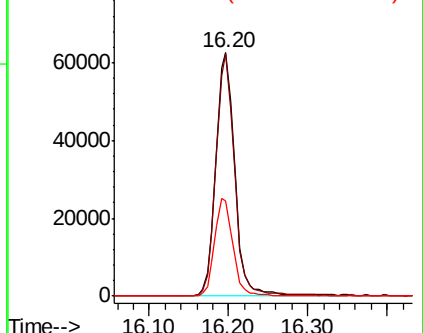
141 38.5 32.2 48.2

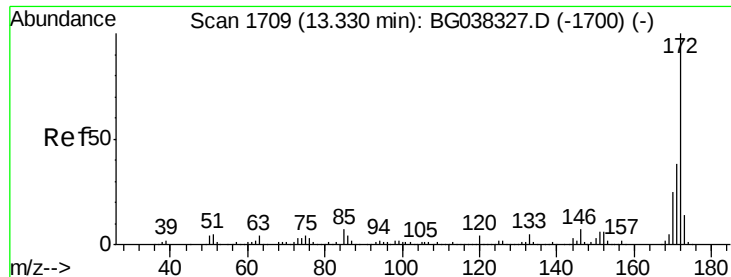


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

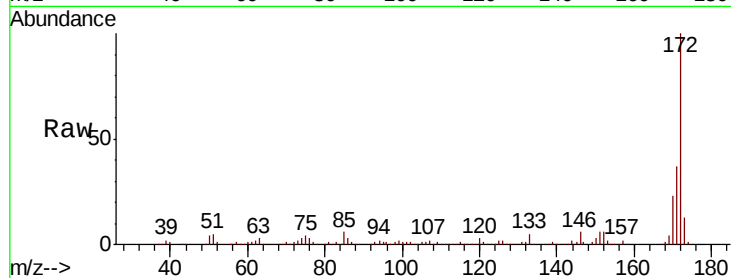




#45
2-Fluorobiphenyl
Concen: 63.448 ng
RT: 13.32 min Scan# 1708
Delta R.T. -0.01 min
Lab File: BG038382.D
Acq: 6 Dec 2018 13:31

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.0	46.4
170	23.4	20.2	30.2

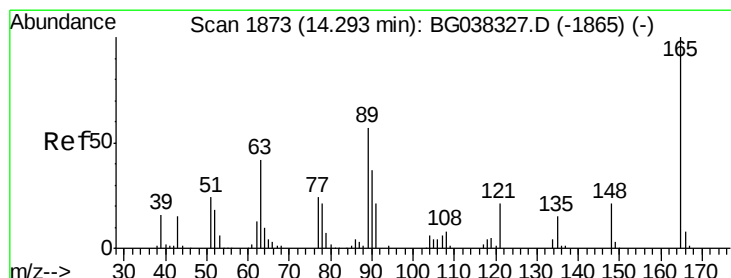
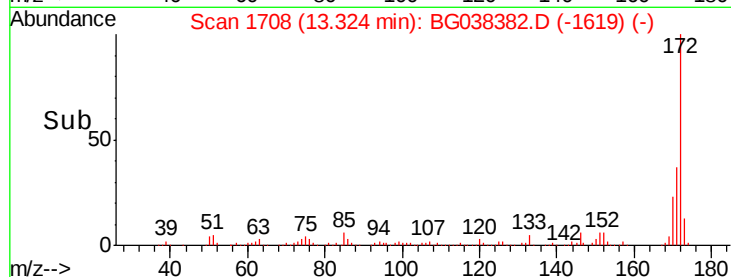
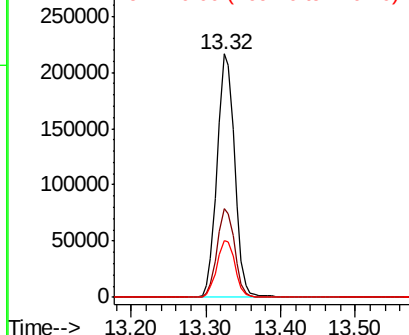


Abundance

Ion 172.00 (171.70 to 172.70): E

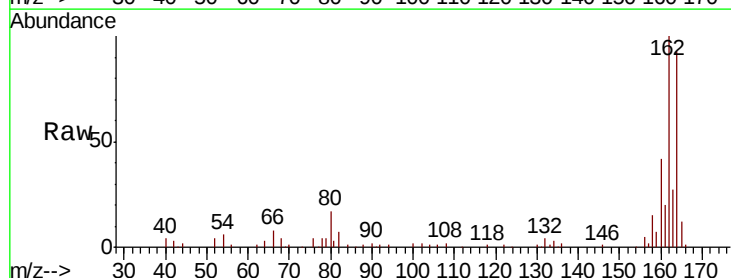
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
2,6-Dinitrotoluene
Concen: 6.990 ng
RT: 14.71 min Scan# 1944
Delta R.T. 0.42 min
Lab File: BG038382.D
Acq: 6 Dec 2018 13:31

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

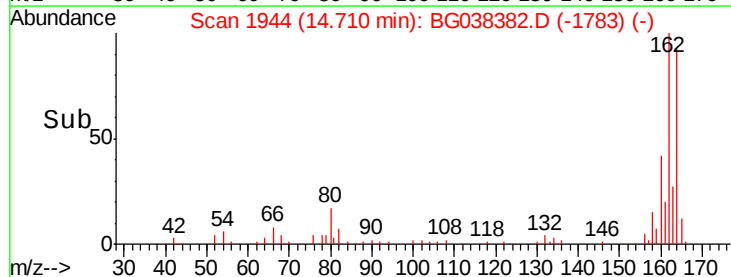
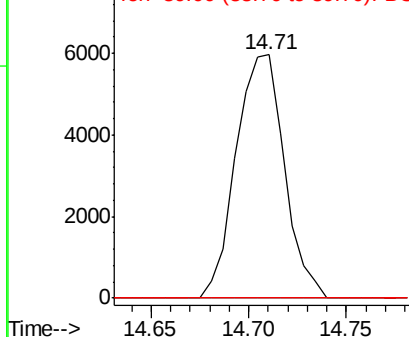


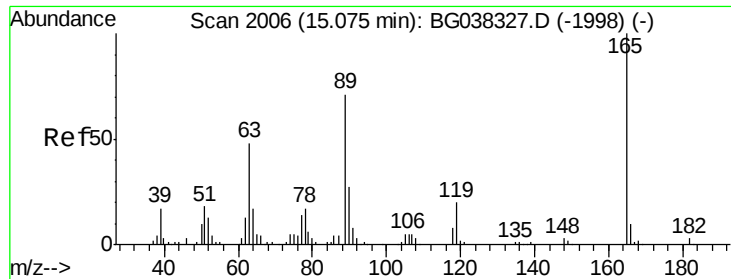
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

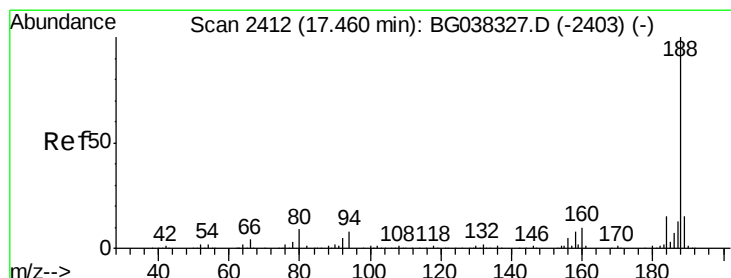
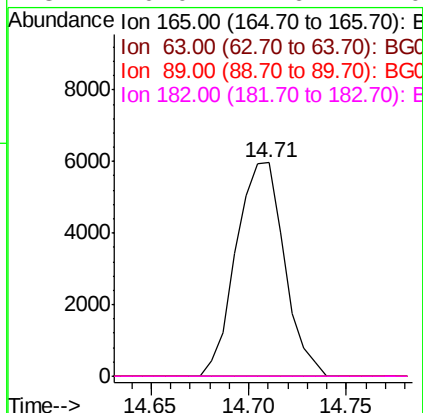
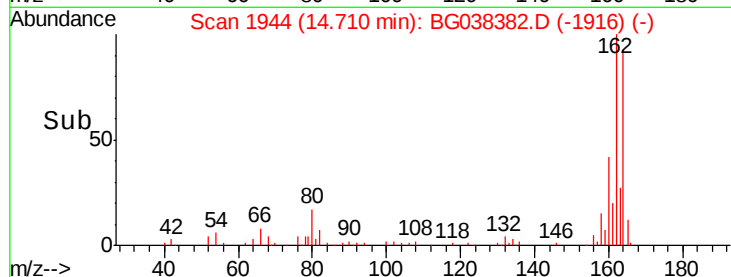
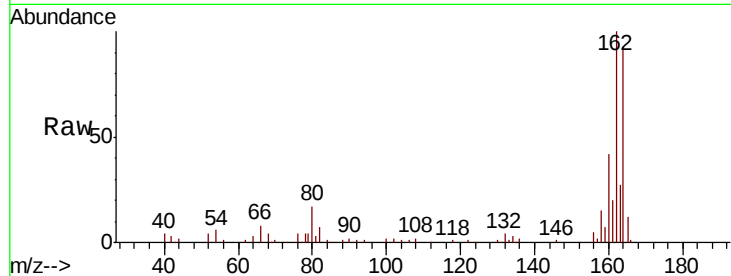




#57
 2,4-Dinitrotoluene
 Concen: 5.068 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.36 min
 Lab File: BG038382.D
 Acq: 6 Dec 2018 13:31

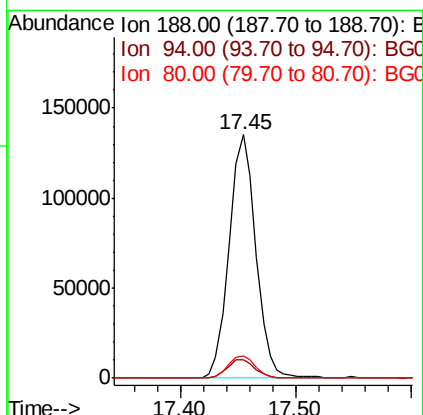
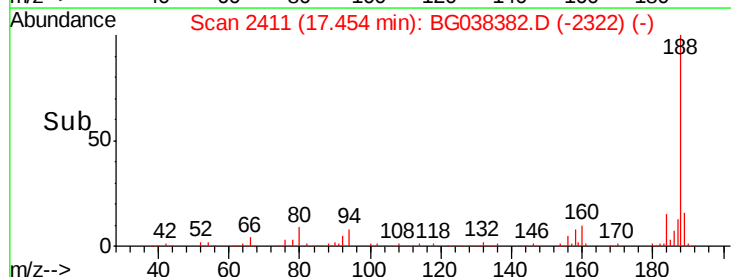
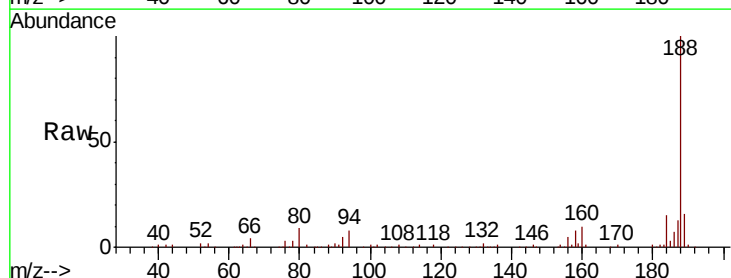
Instrument :
 BNA_G
 ClientSampleId :

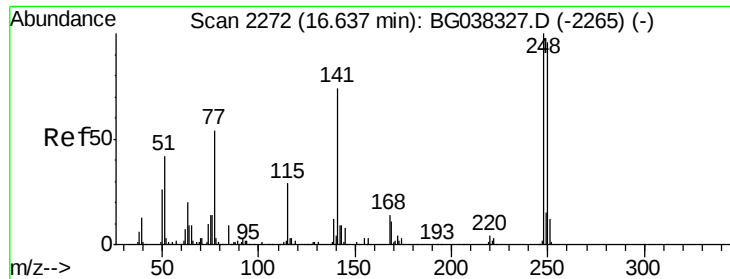
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038382.D
 Acq: 6 Dec 2018 13:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.2	10.8
80	9.1	7.7	11.5

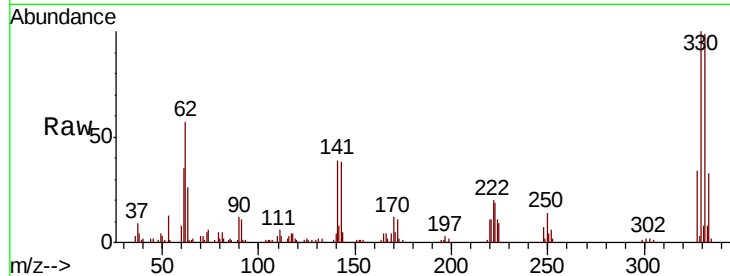




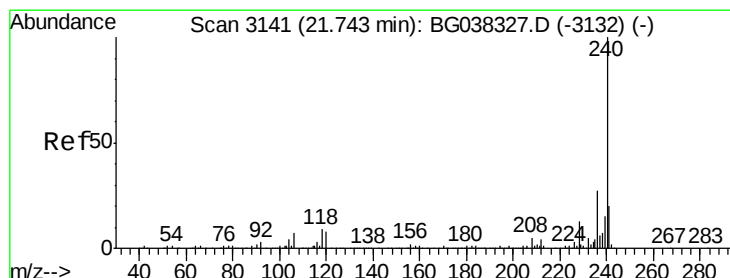
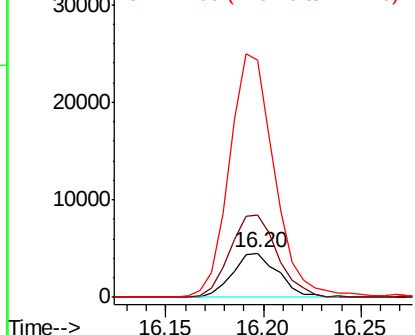
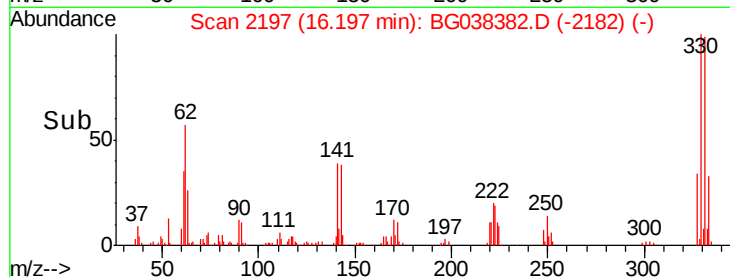
#67
4-Bromophenyl-phenylether
Concen: 3.127 ng
RT: 16.20 min Scan# 2197
Delta R.T. -0.44 min
Lab File: BG038382.D
Acq: 6 Dec 2018 13:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 7334
Ion Ratio Lower Upper
248 100
250 188.7 77.0 115.6#
141 417.0 55.5 83.3#

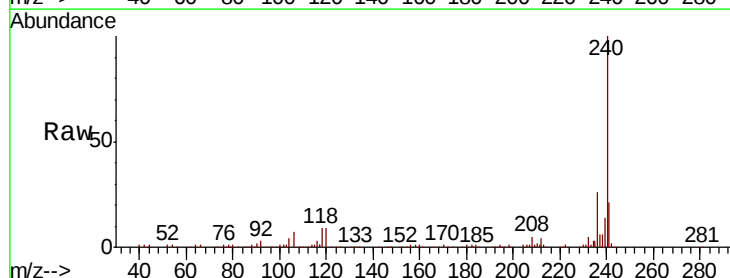


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

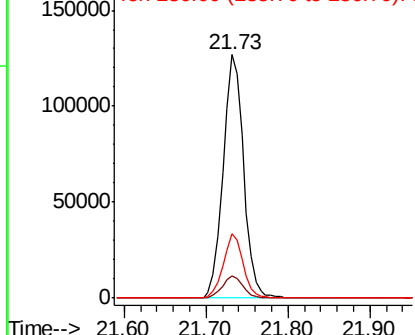
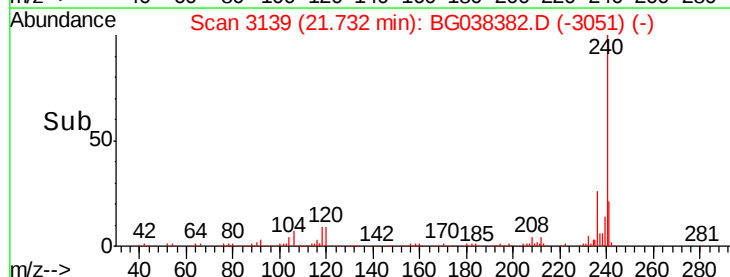


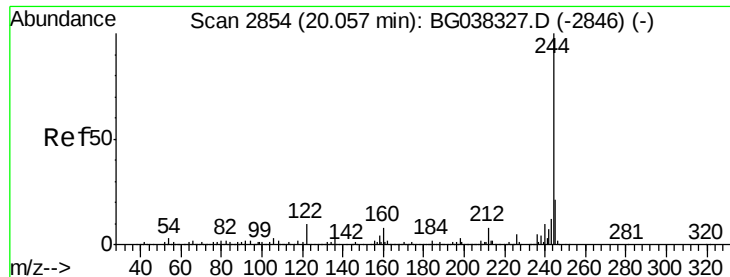
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038382.D
Acq: 6 Dec 2018 13:31

Tgt Ion:240 Resp: 221076
Ion Ratio Lower Upper
240 100
120 8.9 8.1 12.1
236 26.4 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: 69.047 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038382.D

Acq: 6 Dec 2018 13:31

Instrument :

BNA_G

ClientSampleId :

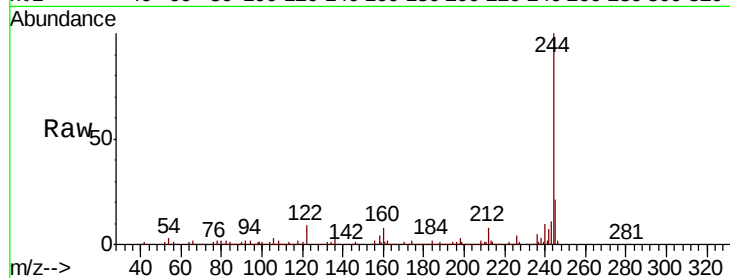
Tot Ion:244 Resp: 712549

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

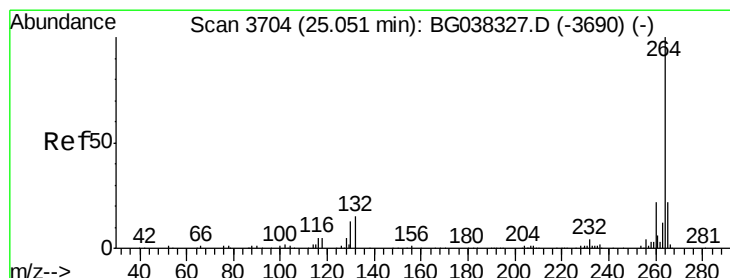
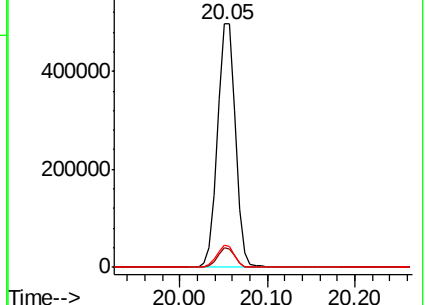
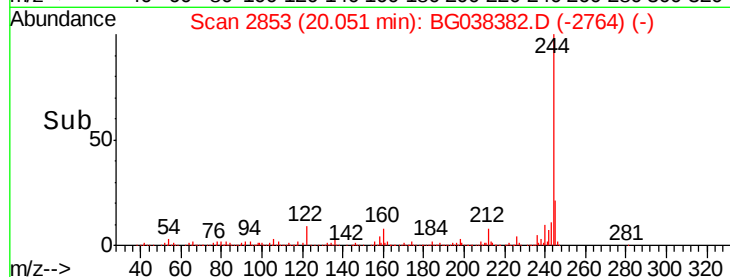
122 9.2 9.0 13.4



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: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038382.D

Acq: 6 Dec 2018 13:31

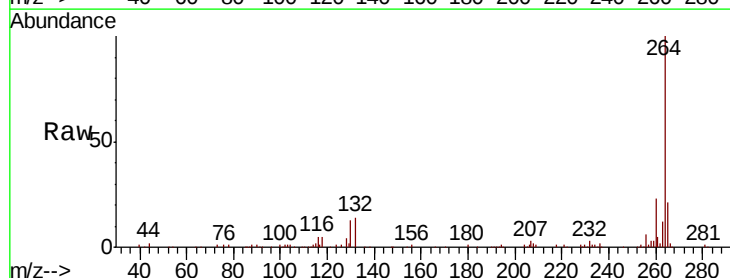
Tgt Ion:264 Resp: 230781

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.4

265 20.8 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

