

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112018\
 Data File : BG038086.D
 Acq On : 20 Nov 2018 15:31
 Operator : JU/SJ
 Sample : J5980-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 16:32:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

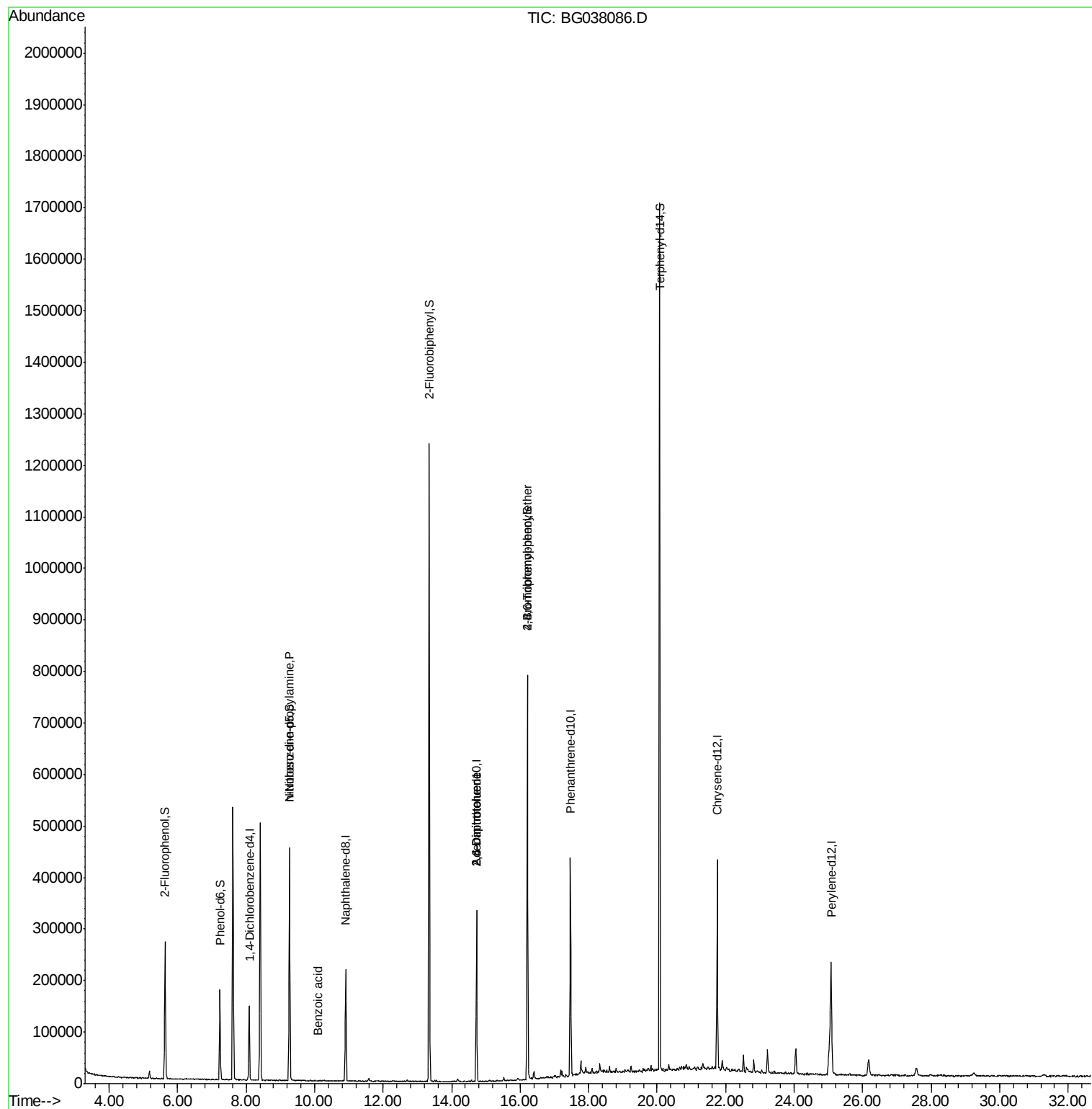
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	45051	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	193238	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	117862	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	258718	20.00	ng	0.00
76) Chrysene-d12	21.75	240	240416	20.00	ng	0.00
87) Perylene-d12	25.08	264	251278	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	126647	48.54	ng	0.00
7) Phenol-d6	7.23	99	108054	29.01	ng	0.00
23) Nitrobenzene-d5	9.27	82	284979	78.94	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	139697	103.93	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	641046	79.24	ng	0.00
79) Terphenyl-d14	20.07	244	835485	81.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	35535	13.185	ng	# 71
32) Benzoic acid	10.08	122	53	12.355	ng	# 1
51) 2,6-Dinitrotoluene	14.72	165	16075	7.601	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	16075	5.587	ng	# 25
67) 4-Bromophenyl-phenylether	16.21	248	10128	3.567	ng	# 1

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

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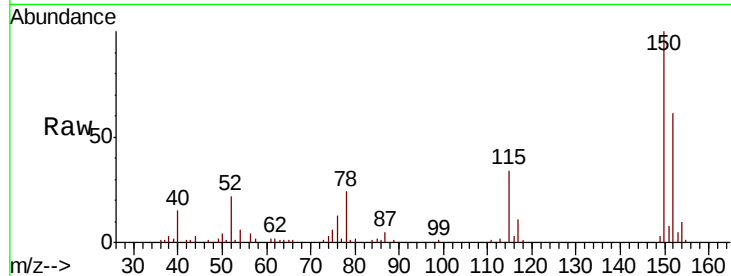


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.09 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BG038086.D
 Acq: 20 Nov 2018 15:31

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	126.0	189.0
115	56.1	45.5	68.3

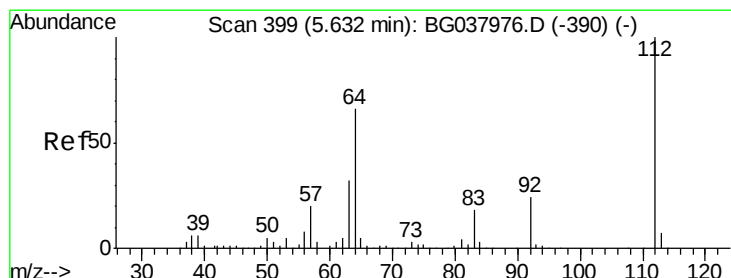
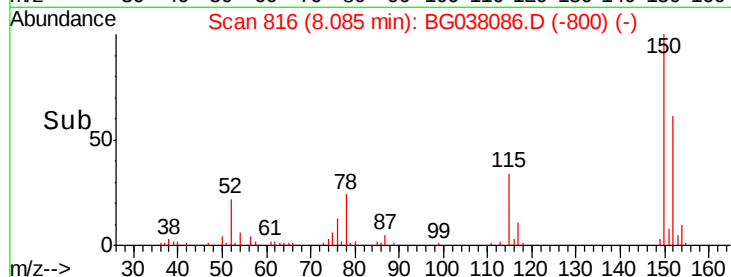
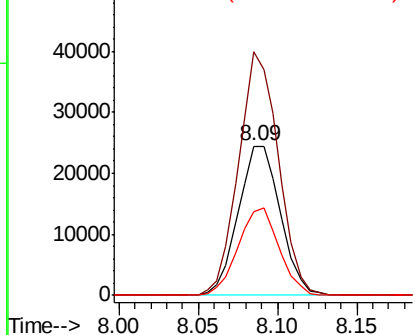


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

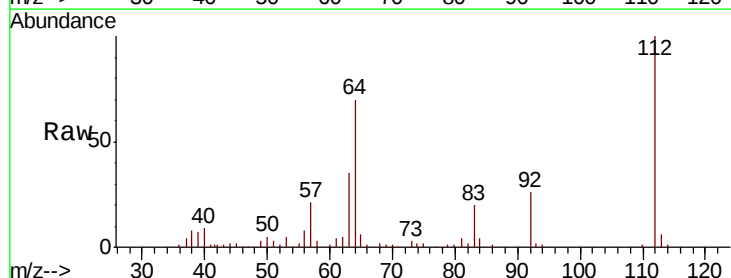
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 48.537 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: BG038086.D
 Acq: 20 Nov 2018 15:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.0	53.1	79.7
63	35.2	27.3	40.9

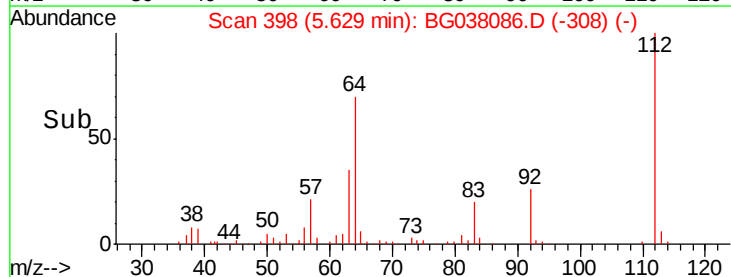
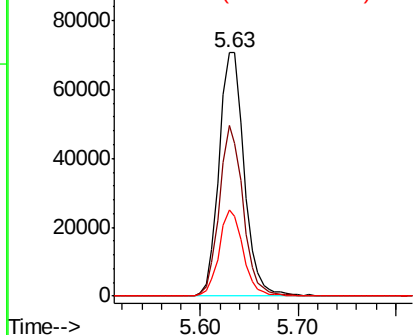


Abundance

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: 29.011 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

Instrument :

BNA_G

ClientSampleId :

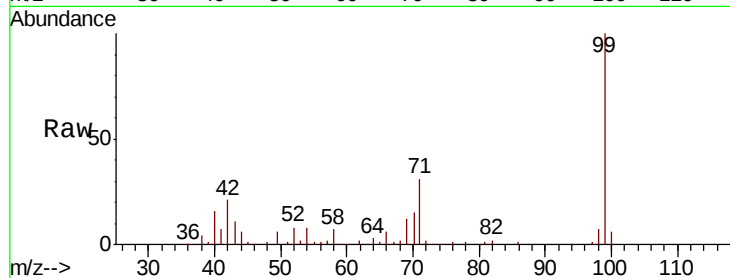
Tot Ion: 99 Resp: 108054

Ion Ratio Lower Upper

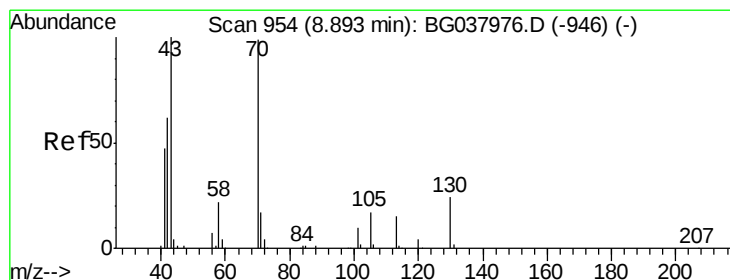
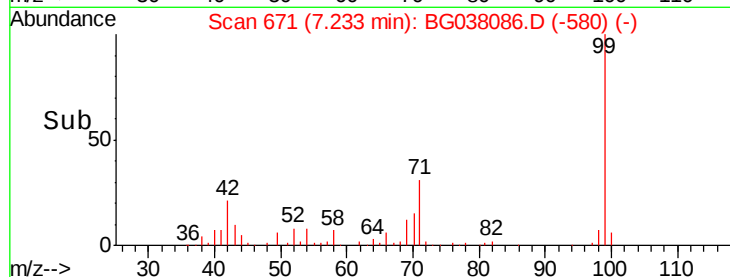
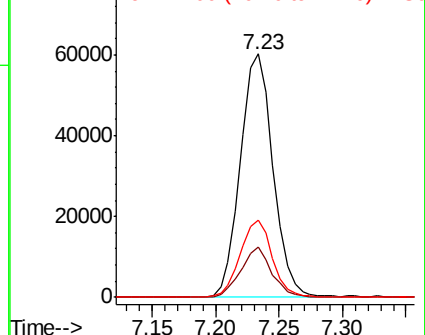
99 100

42 20.9 15.0 22.4

71 31.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.185 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

Tgt Ion: 70 Resp: 35535

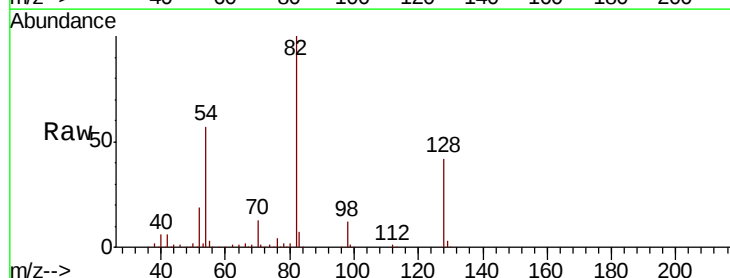
Ion Ratio Lower Upper

70 100

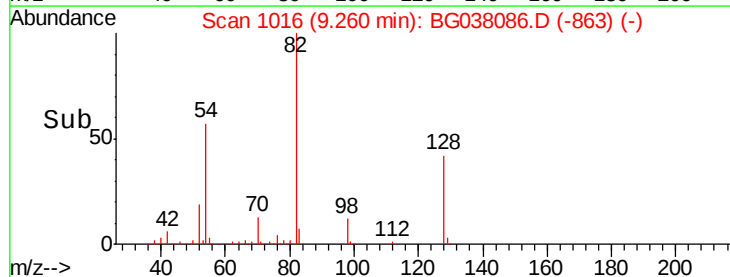
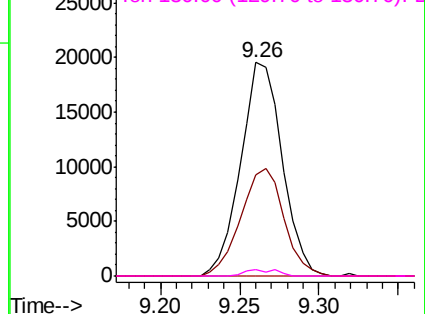
42 47.2 53.9 80.9#

101 0.0 8.2 12.2#

130 2.8 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

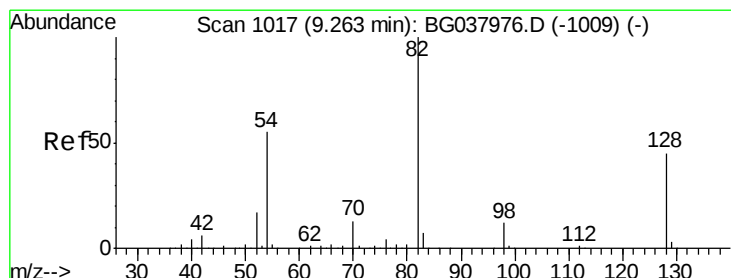
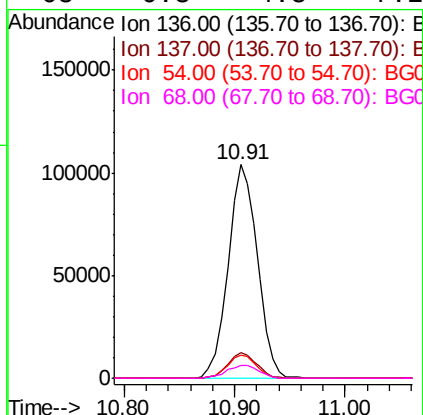
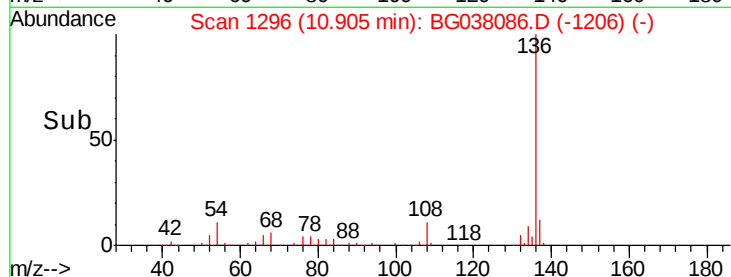
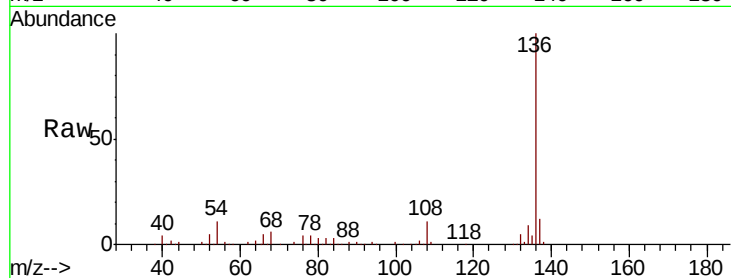




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG038086.D
Acq: 20 Nov 2018 15:31

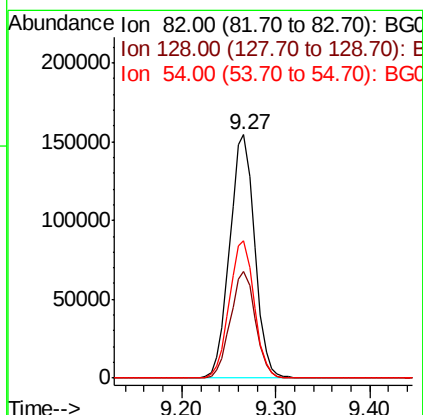
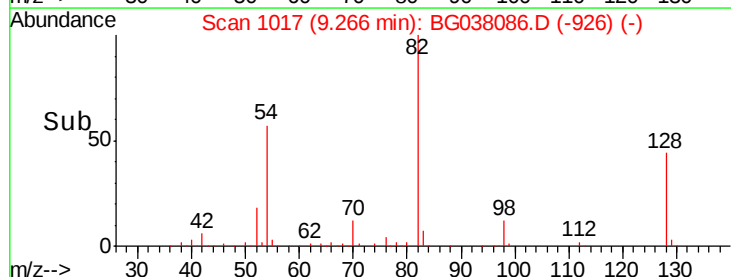
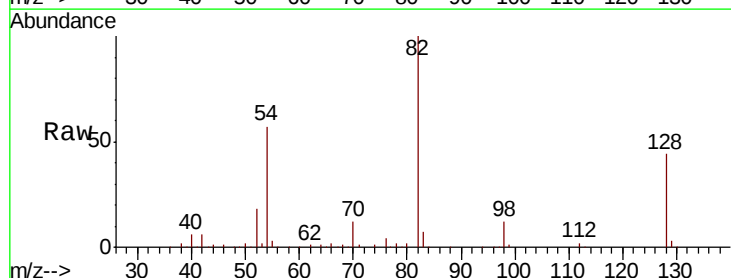
Instrument :
BNA_G
ClientSampleId :

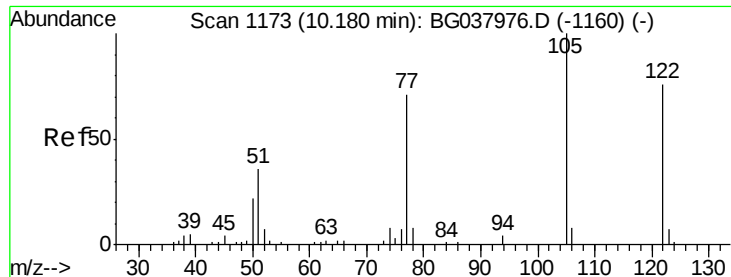
Tot Ion:136	Resp:	193238
Ion	Ratio	Lower Upper
136	100	
137	11.9	9.6 14.4
54	10.8	7.9 11.9
68	6.3	4.8 7.2



#23
Nitrobenzene-d5
Concen: 78.944 ng
RT: 9.27 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BG038086.D
Acq: 20 Nov 2018 15:31

Tgt Ion: 82	Resp:	284979
Ion	Ratio	Lower Upper
82	100	
128	44.0	34.6 51.8
54	56.6	45.3 67.9





#32

Benzoic acid

Concen: 12.355 ng

RT: 10.08 min Scan# 1156

Delta R.T. -0.10 min

Lab File: BG038086.D

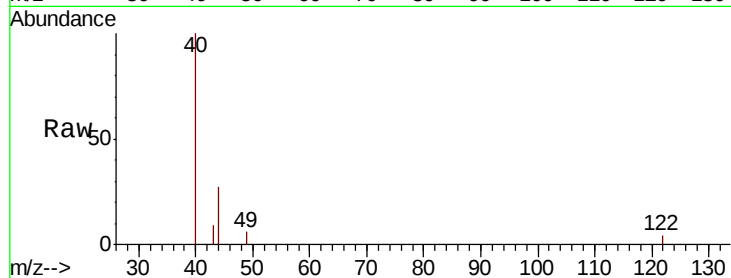
Acq: 20 Nov 2018 15:31

Instrument :

BNA_G

ClientSampleId :

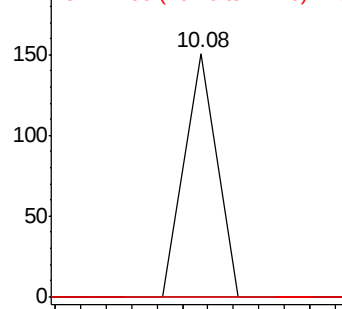
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.7	146.7#
77	0.0	72.2	112.2#



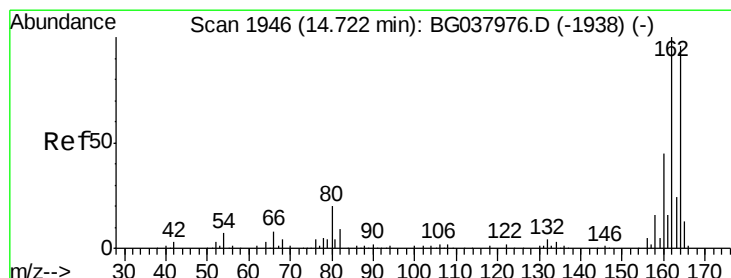
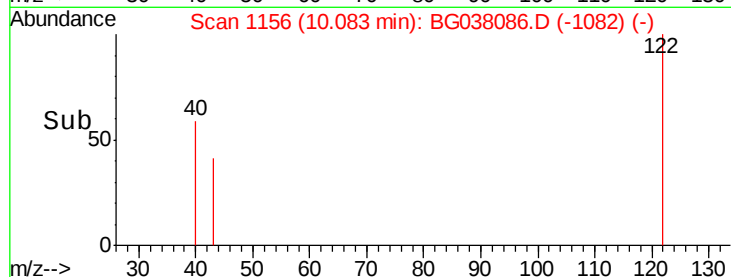
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time--> 10.06 10.08 10.10



#39

Acenaphthene-d10

Concen: 20.000 ng

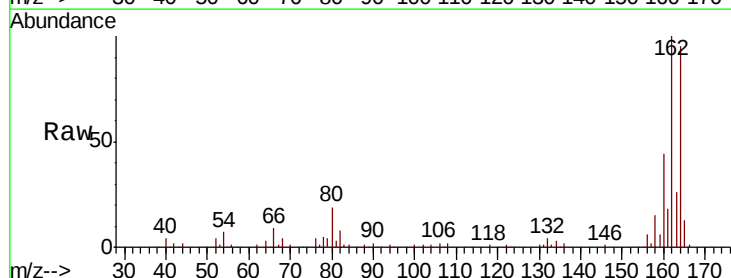
RT: 14.72 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

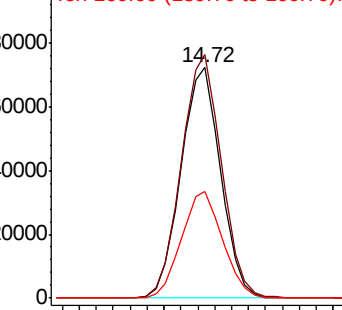
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	81.3	121.9
160	46.1	36.3	54.5



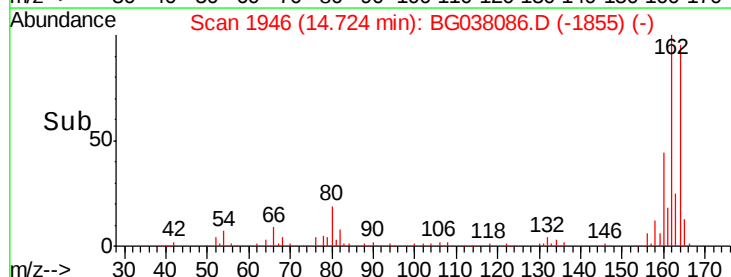
Abundance Ion 164.00 (163.70 to 164.70): E

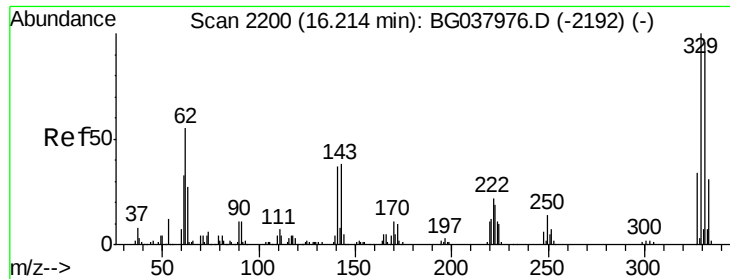
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 14.65 14.70 14.75





#42

2,4,6-Tribromophenol

Concen: 103.927 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

Instrument :

BNA_G

ClientSampled :

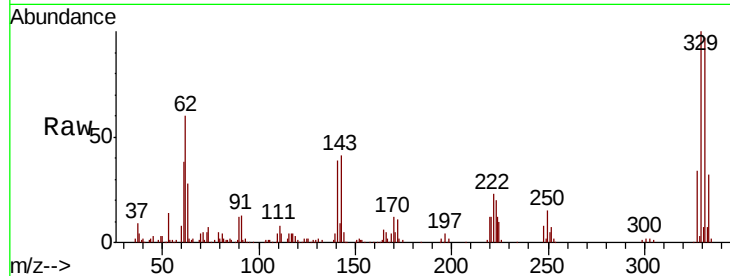
Tot Ion:330 Resp: 139697

Ion Ratio Lower Upper

330 100

332 97.1 78.4 117.6

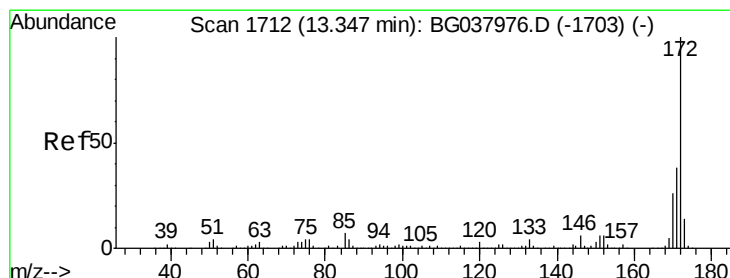
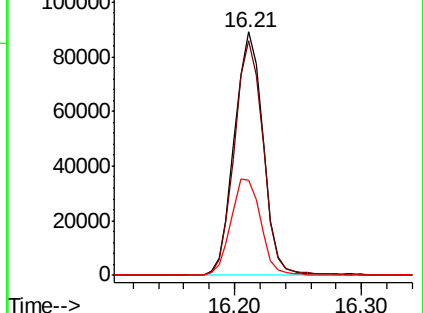
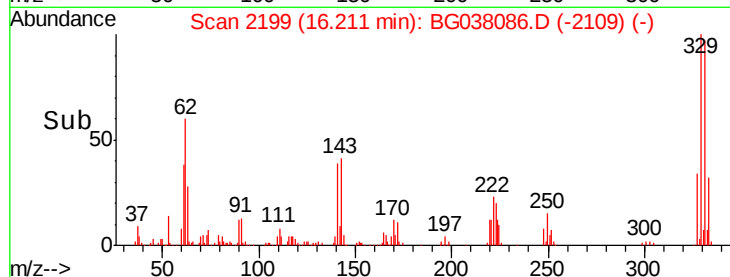
141 41.1 32.2 48.2



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: 79.237 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

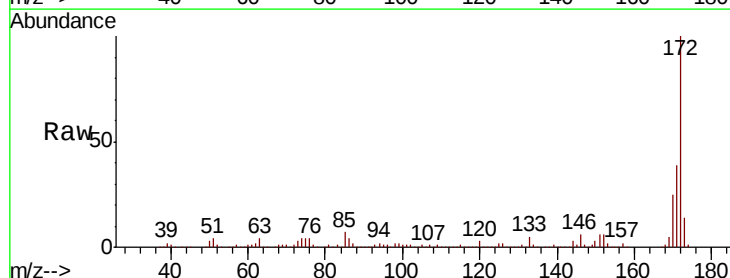
Tgt Ion:172 Resp: 641046

Ion Ratio Lower Upper

172 100

171 38.5 31.0 46.4

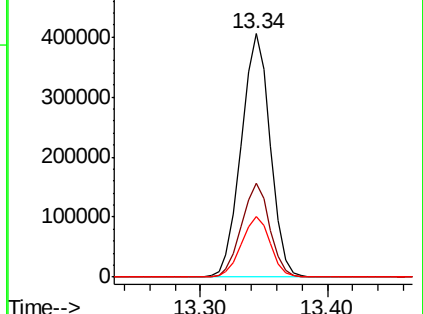
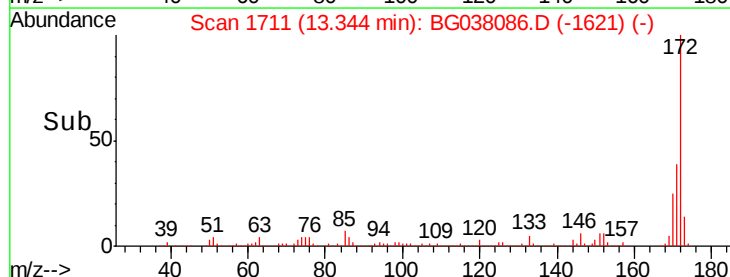
170 25.0 20.2 30.2

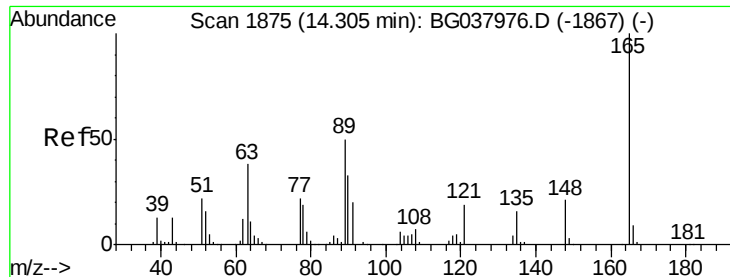


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.601 ng

RT: 14.72 min Scan# 1946

Delta R.T. 0.42 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

Instrument :

BNA_G

ClientSampled :

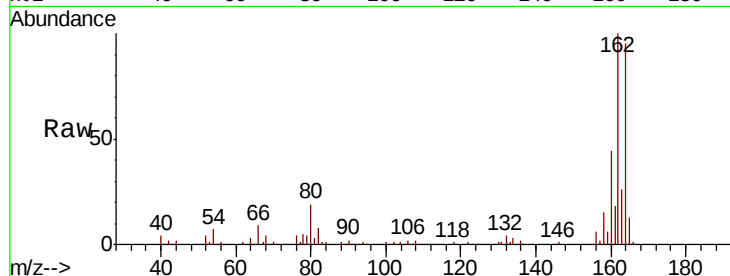
Tot Ion:165 Resp: 16075

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

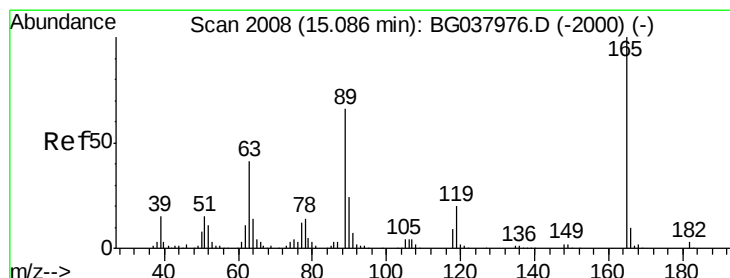
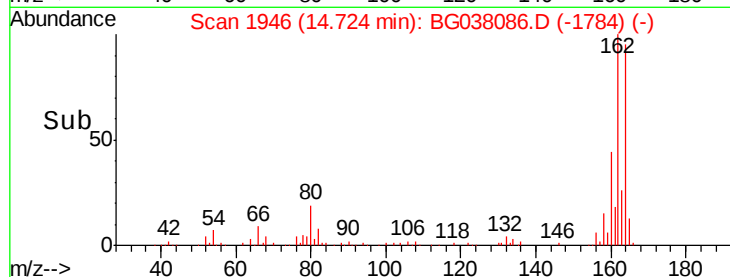
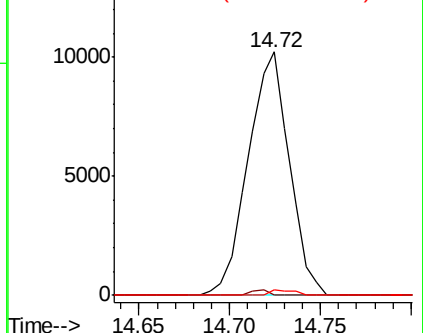
89 2.1 45.8 68.6#



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: 5.587 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.36 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

Tgt Ion:165 Resp: 16075

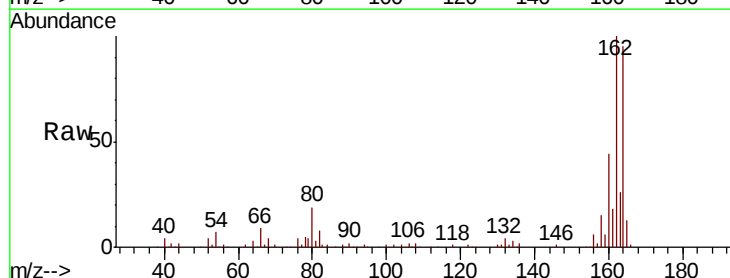
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 2.1 57.2 85.8#

182 0.0 2.6 4.0#

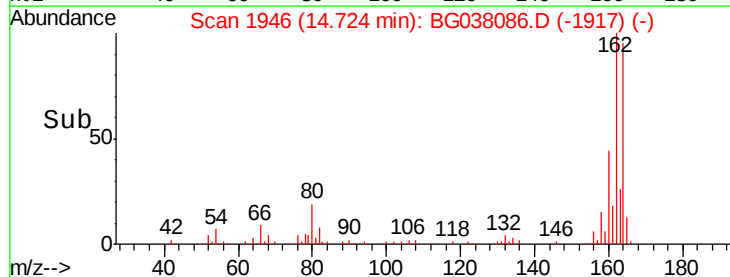
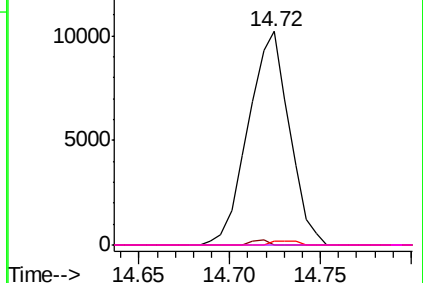


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: 17.47 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

Instrument :

BNA_G

ClientSampled :

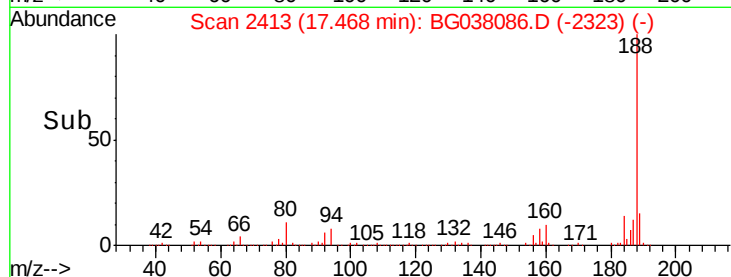
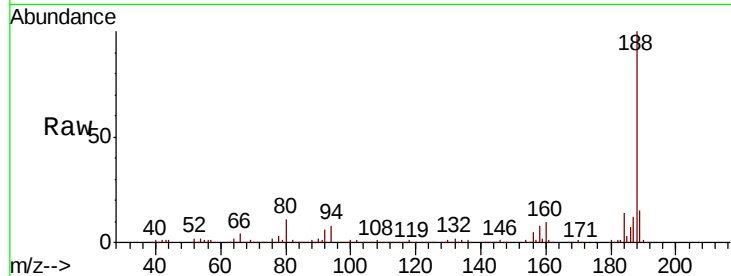
Tot Ion:188 Resp: 258718

Ion Ratio Lower Upper

188 100

94 8.4 7.2 10.8

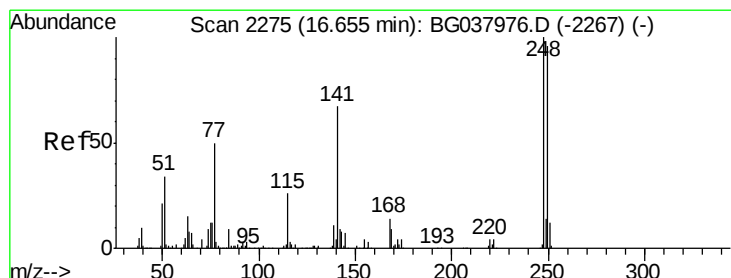
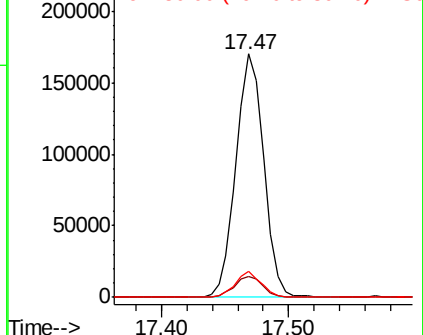
80 10.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 3.567 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.44 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

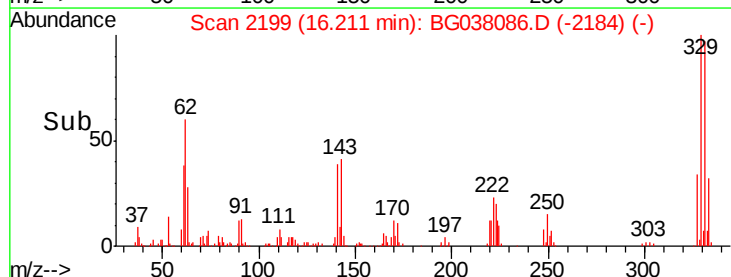
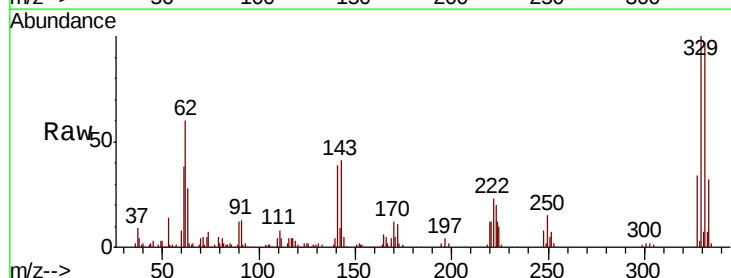
Tgt Ion:248 Resp: 10128

Ion Ratio Lower Upper

248 100

250 197.3 77.0 115.6#

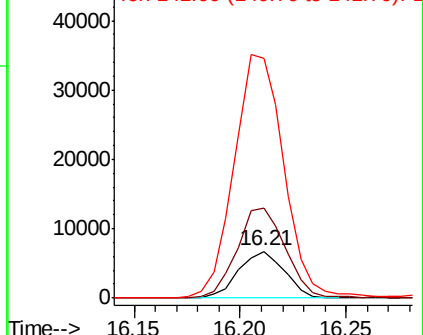
141 402.0 55.5 83.3#

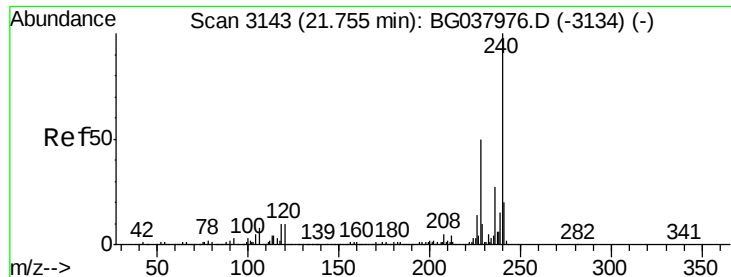


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.75 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG038086.D

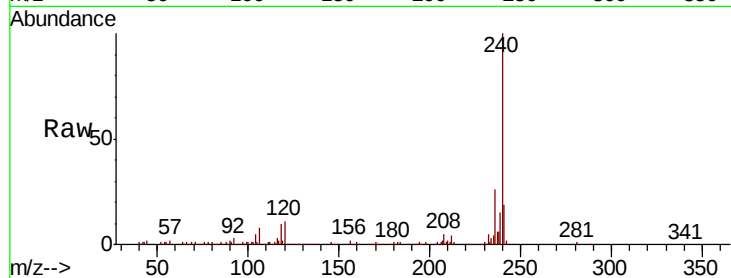
Acq: 20 Nov 2018 15:31

Instrument :

BNA_G

ClientSampleId :

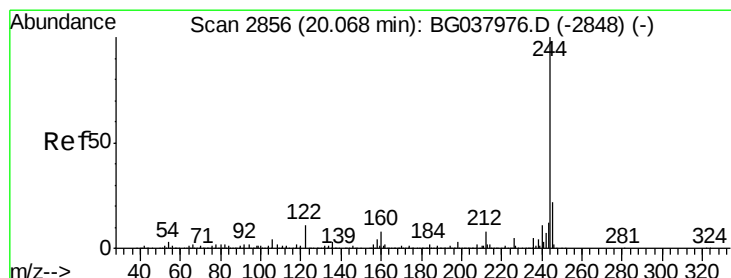
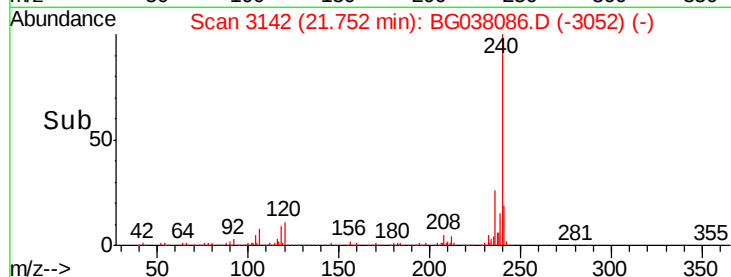
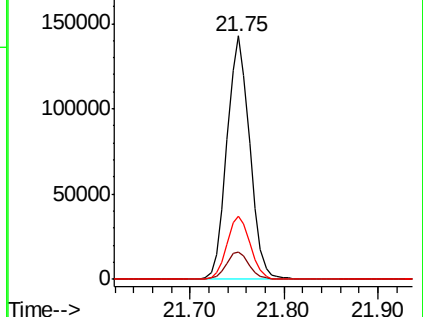
Tot Ion:	240	Resp:	240416
Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.1	12.1
236	25.8	21.4	32.0



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: 81.771 ng

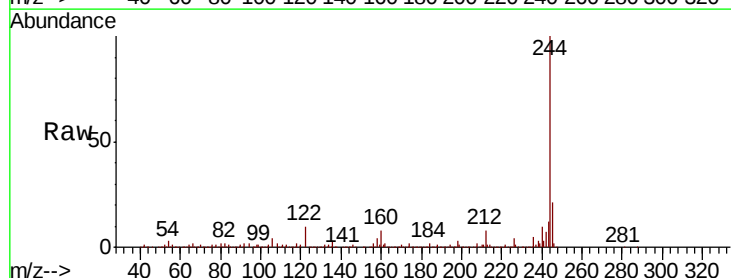
RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038086.D

Acq: 20 Nov 2018 15:31

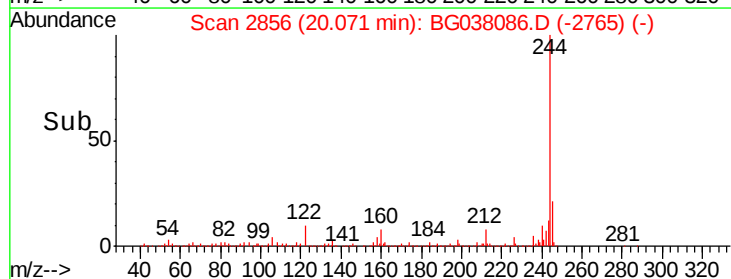
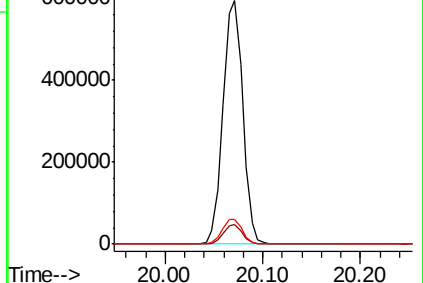
Tgt Ion:	244	Resp:	835485
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	10.2	9.0	13.4

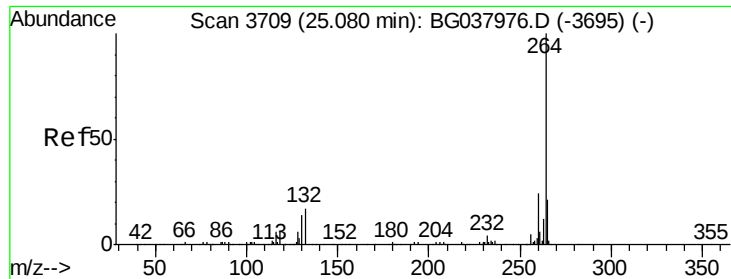


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3708
Delta R.T. -0.00 min
Lab File: BG038086.D
Acq: 20 Nov 2018 15:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.4
265	22.6	17.9	26.9

