

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121118\
 Data File : BG038486.D
 Acq On : 12 Dec 2018 1:52
 Operator : JU/SJ
 Sample : PB115573TB
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115573TB

Quant Time: Dec 12 03:19:33 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

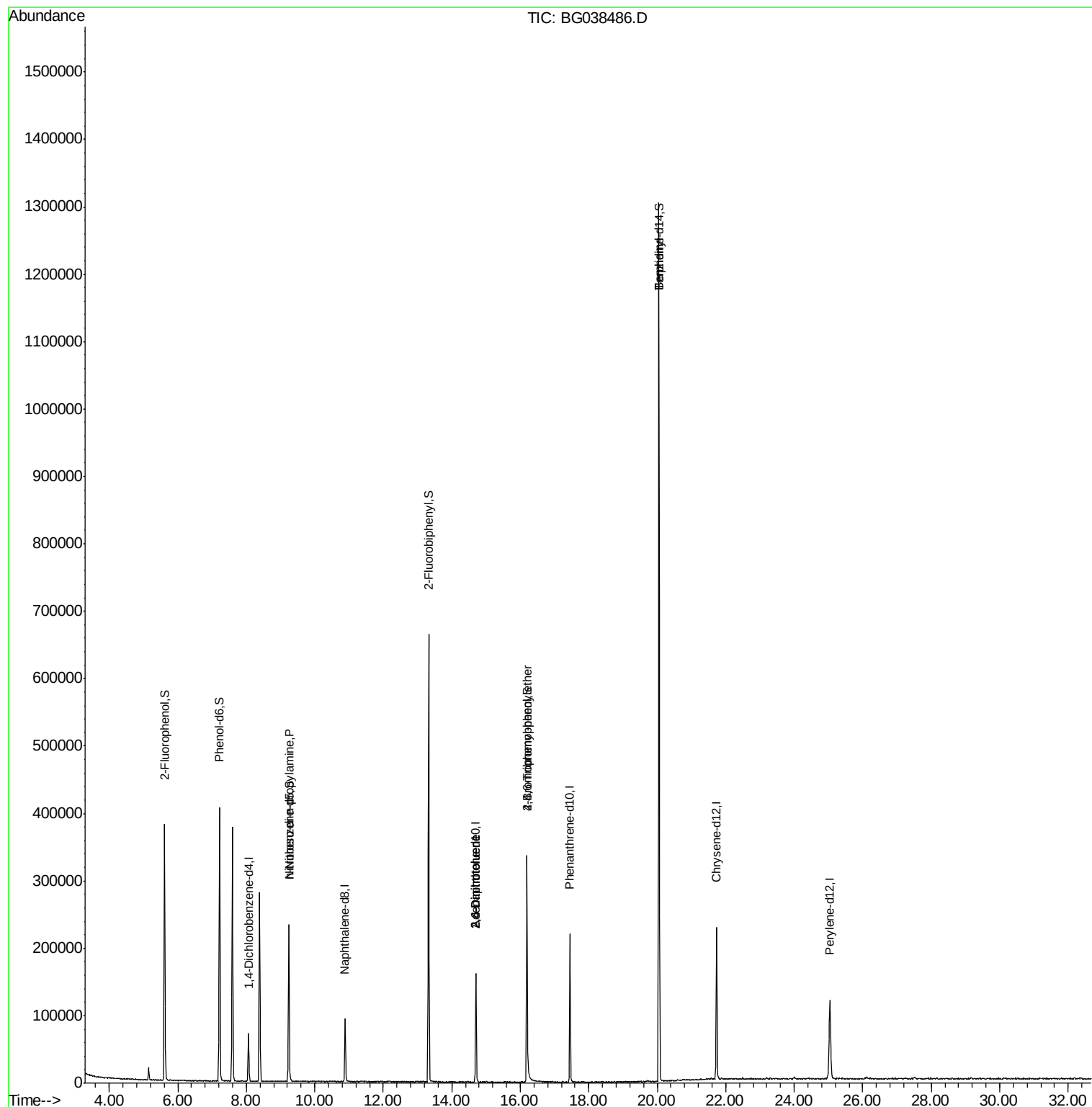
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20262	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	84748	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	58819	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	152120	20.00	ng	0.00
76) Chrysene-d12	21.73	240	144540	20.00	ng	-0.01
87) Perylene-d12	25.04	264	152016	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	163974	143.21	ng	0.00
7) Phenol-d6	7.22	99	227512	137.48	ng	0.00
23) Nitrobenzene-d5	9.25	82	144222	84.49	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	82873	114.77	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	363861	88.15	ng	0.00
79) Terphenyl-d14	20.05	244	663582	98.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	19472	14.771	ng	# 77
51) 2,6-Dinitrotoluene	14.70	165	7555	7.010	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	7555	5.083	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	5305	3.229	ng	# 1
77) Benzidine	20.05	184	11072	2.270	ng	# 93

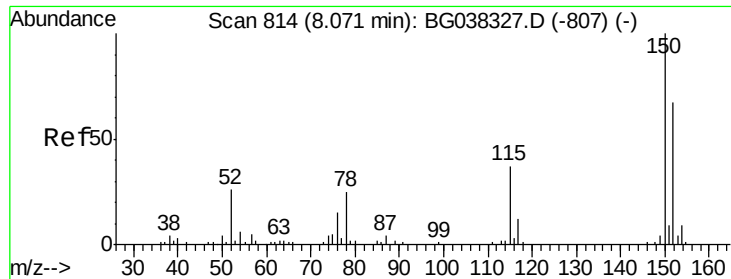
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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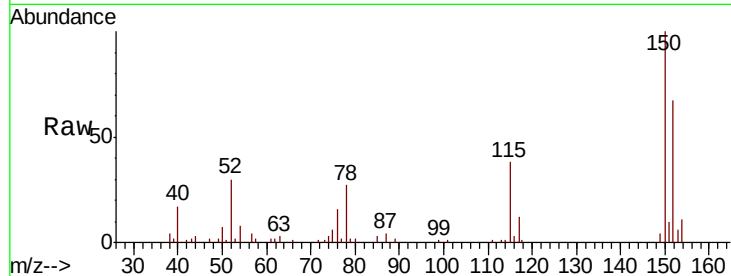


#1

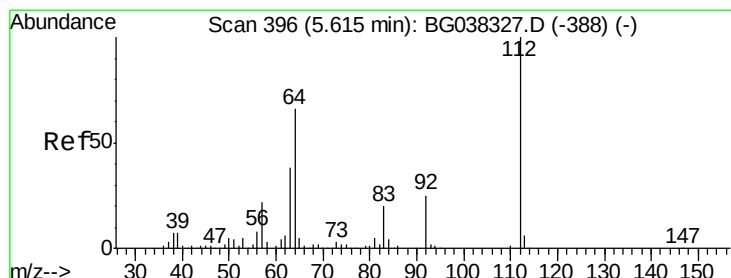
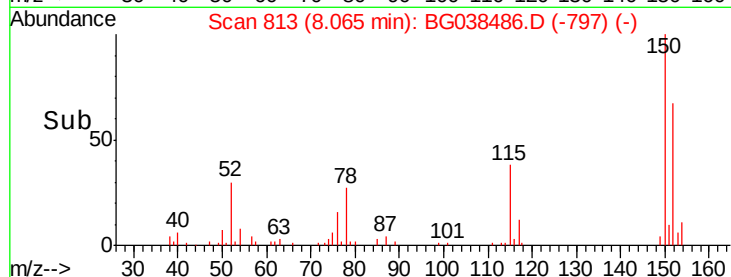
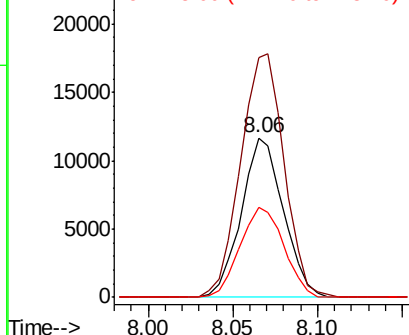
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG038486.D
Acq: 12 Dec 2018 1:52

Instrument :
BNA_G
ClientSampleId :
PB115573TB

Tgt Ion:152 Resp: 20262
Ion Ratio Lower Upper
152 100
150 150.2 126.0 189.0
115 56.5 45.5 68.3



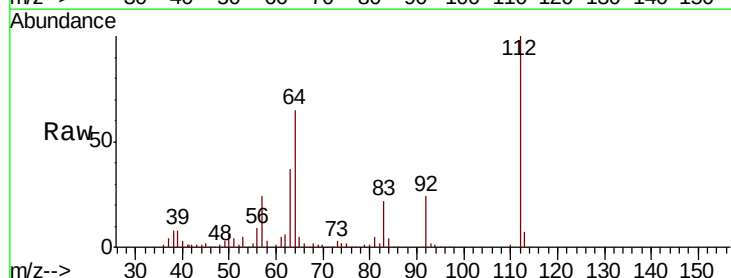
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



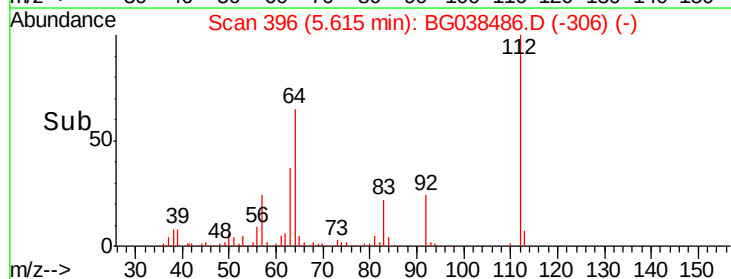
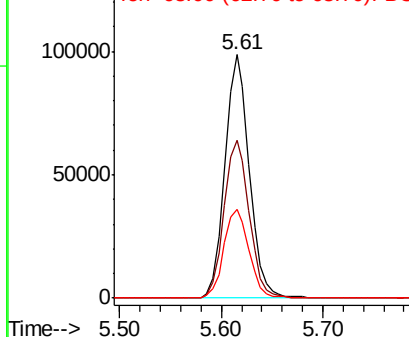
#5

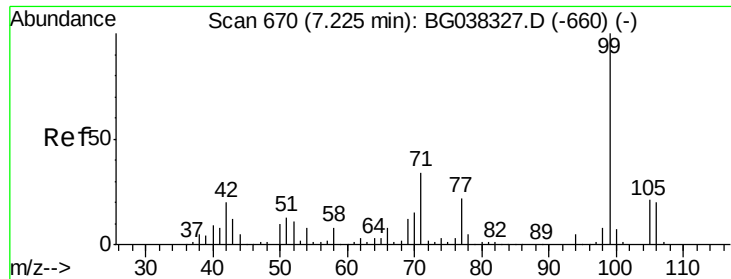
2-Fluorophenol
Concen: 143.212 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG038486.D
Acq: 12 Dec 2018 1:52

Tgt Ion:112 Resp: 163974
Ion Ratio Lower Upper
112 100
64 64.6 53.1 79.7
63 36.7 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: 137.480 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038486.D

Acq: 12 Dec 2018 1:52

Instrument :

BNA_G

ClientSampleId :

PB115573TB

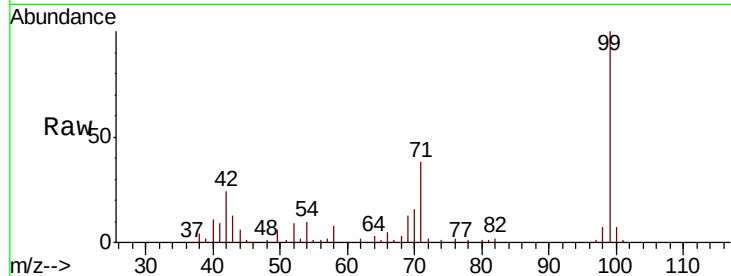
Tgt Ion: 99 Resp: 227512

Ion Ratio Lower Upper

99 100

42 24.4 15.0 22.4#

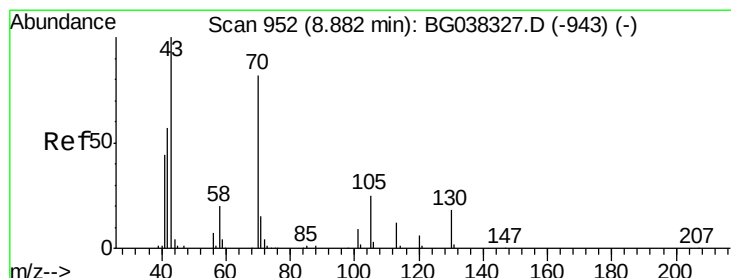
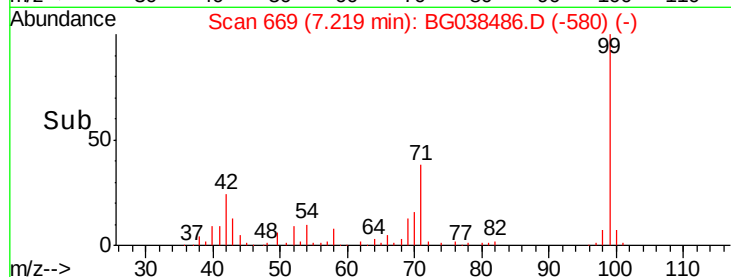
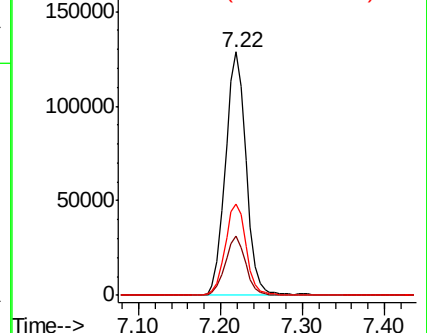
71 37.7 25.5 38.3



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: 14.771 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.36 min

Lab File: BG038486.D

Acq: 12 Dec 2018 1:52

Tgt Ion: 70 Resp: 19472

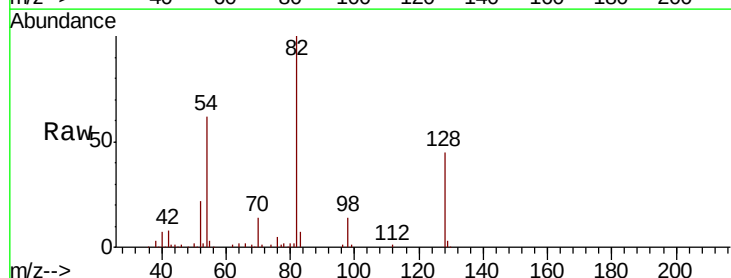
Ion Ratio Lower Upper

70 100

42 55.1 53.9 80.9

101 0.0 8.2 12.2#

130 1.9 18.2 27.4#

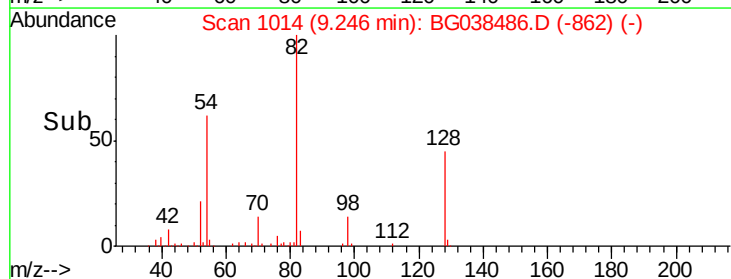
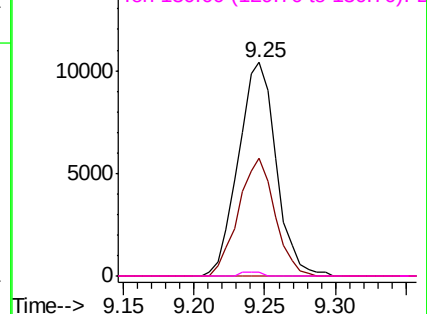


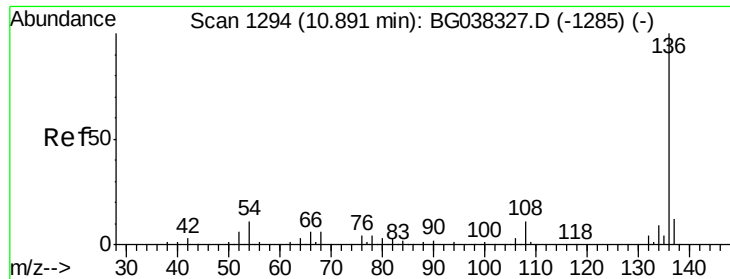
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

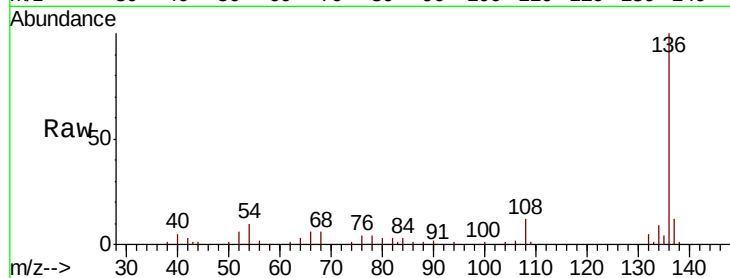




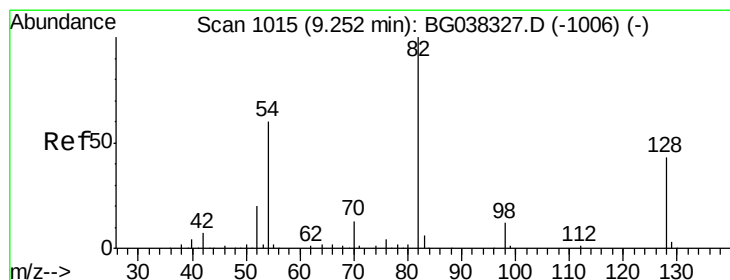
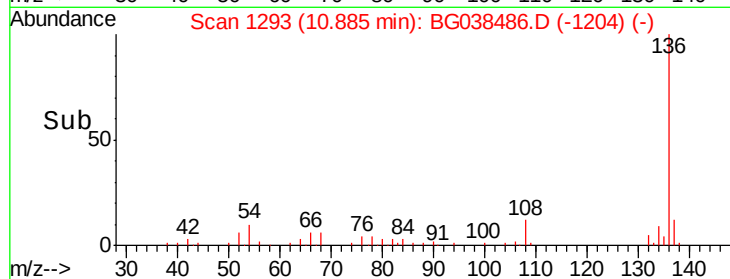
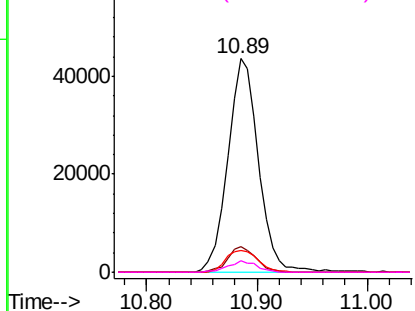
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038486.D
Acq: 12 Dec 2018 1:52

Instrument :
BNA_G
ClientSampleId :
PB115573TB

Tgt Ion:	136	Resp:	84748
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.6	14.4
54	10.1	7.9	11.9
68	5.7	4.8	7.2

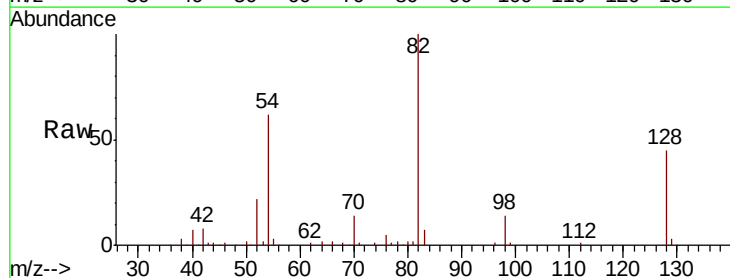


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

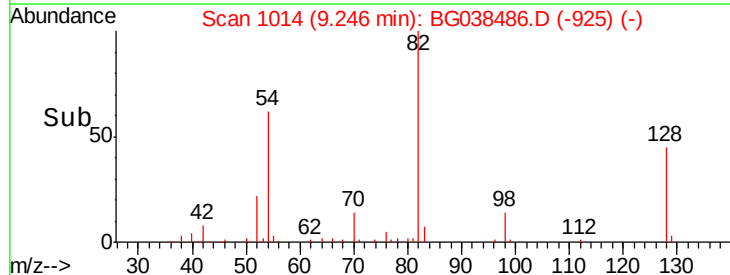
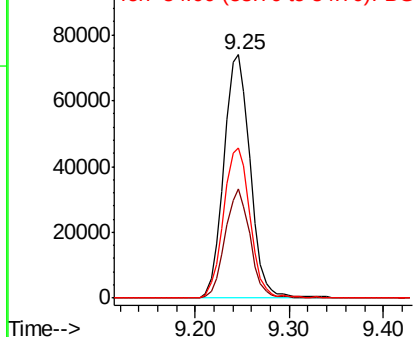


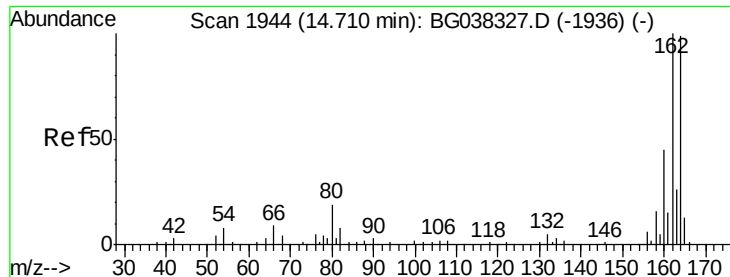
#23
Nitrobenzene-d5
Concen: 84.489 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038486.D
Acq: 12 Dec 2018 1:52

Tgt Ion:	82	Resp:	144222
Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.6	51.8
54	61.6	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: BG038486.D

Acq: 12 Dec 2018 1:52

Instrument :

BNA_G

ClientSampleId :

PB115573TB

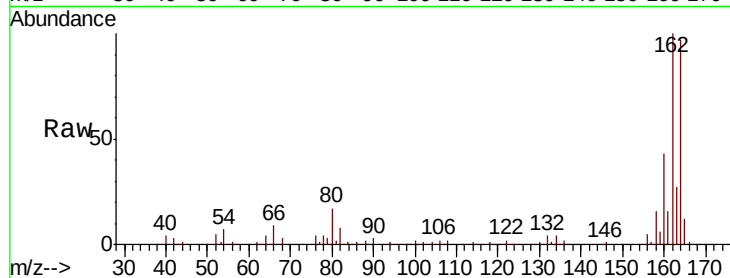
Tgt Ion:164 Resp: 58819

Ion Ratio Lower Upper

164 100

162 102.6 81.3 121.9

160 44.5 36.3 54.5

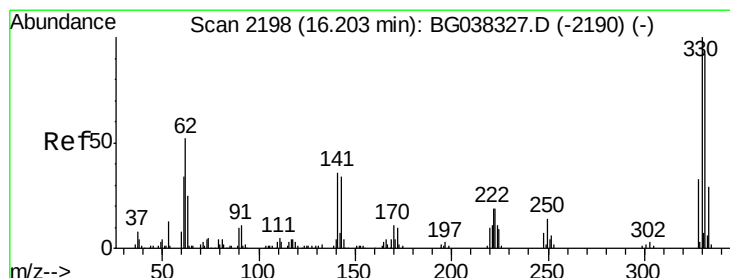
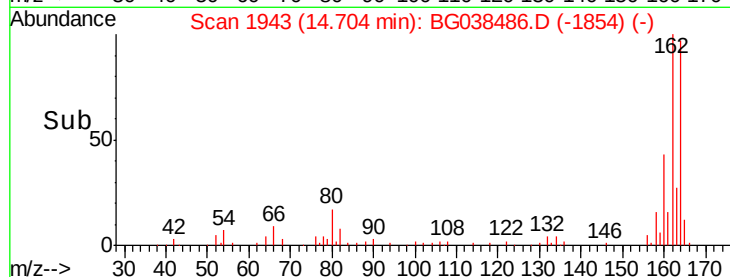
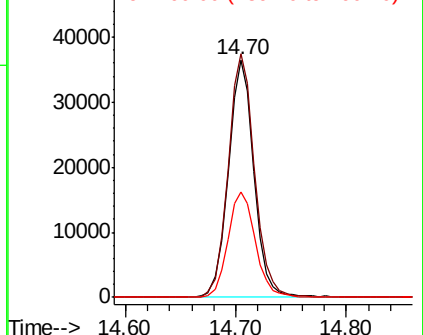


Abundance

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: 114.771 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038486.D

Acq: 12 Dec 2018 1:52

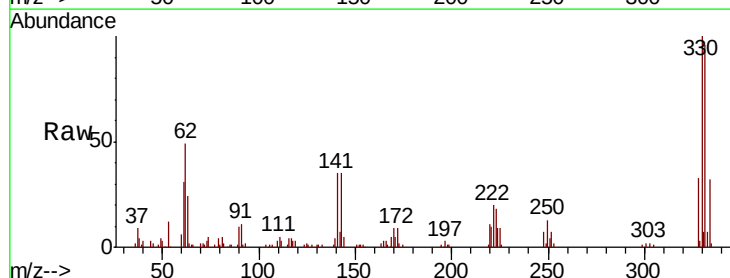
Tgt Ion:330 Resp: 82873

Ion Ratio Lower Upper

330 100

332 91.6 78.4 117.6

141 35.5 32.2 48.2

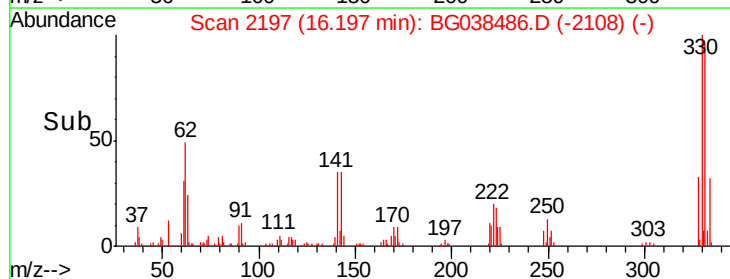
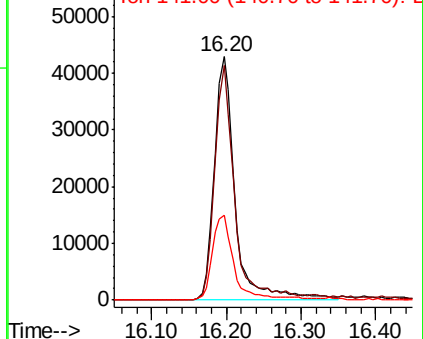


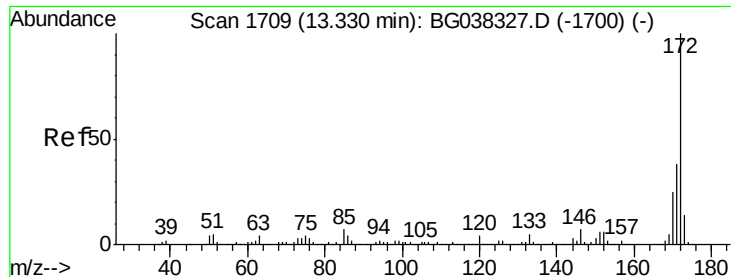
Abundance

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

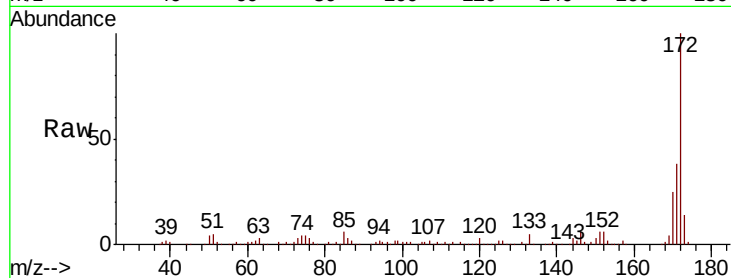




#45
 2-Fluorobiphenyl
 Concen: 88.147 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038486.D
 Acq: 12 Dec 2018 1:52

Instrument :
 BNA_G
 ClientSampleId :
 PB115573TB

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.0	46.4
170	24.7	20.2	30.2

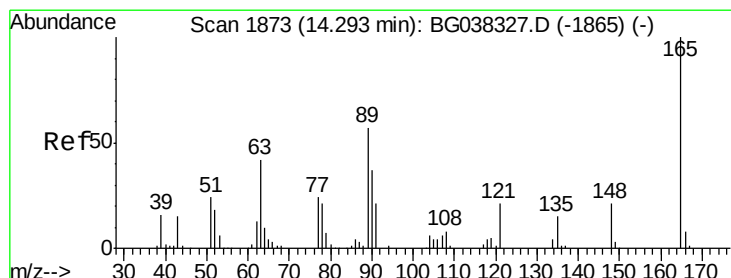
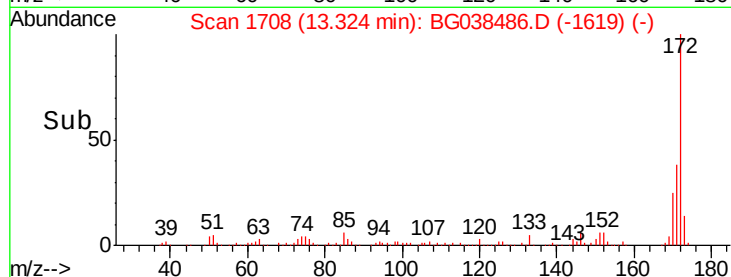
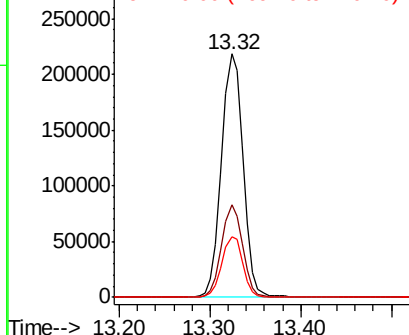


Abundance

Ion 172.00 (171.70 to 172.70): E

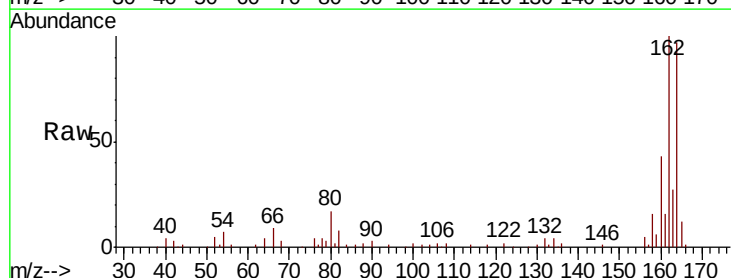
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 7.010 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038486.D
 Acq: 12 Dec 2018 1:52

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

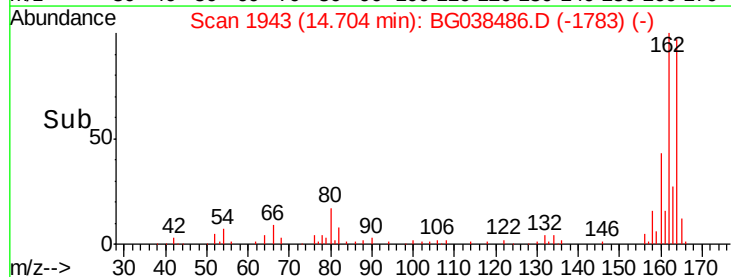
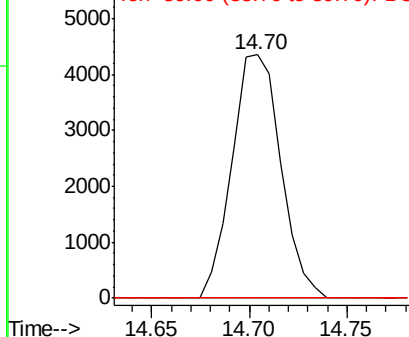


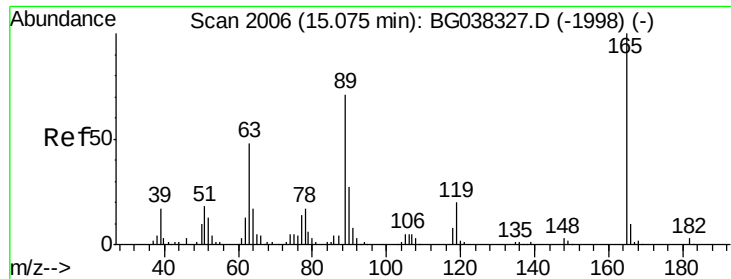
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

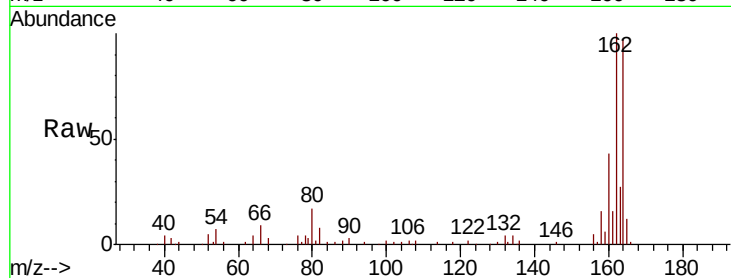




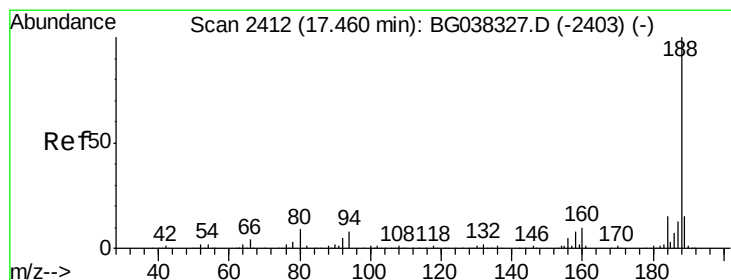
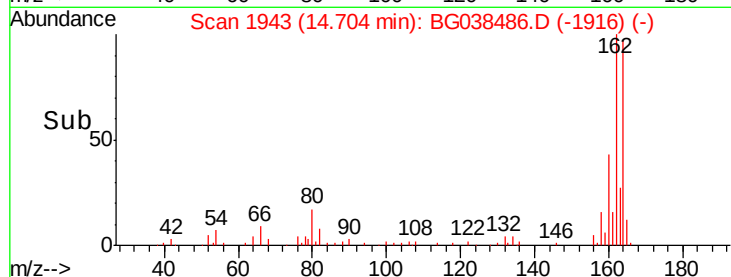
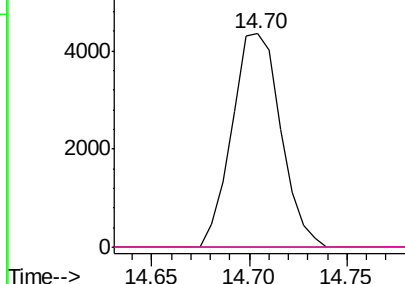
#57
 2,4-Dinitrotoluene
 Concen: 5.083 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038486.D
 Acq: 12 Dec 2018 1:52

Instrument :
 BNA_G
 ClientSampleId :
 PB115573TB

Tgt Ion:	165	Resp:	7555
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#

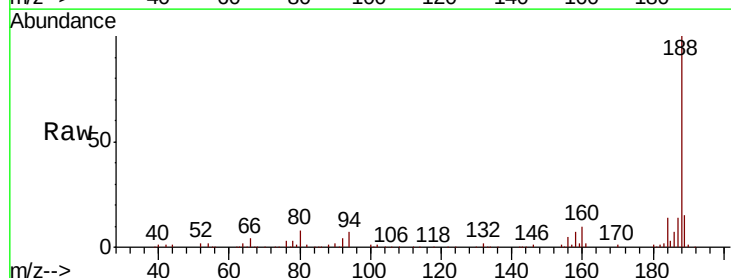


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

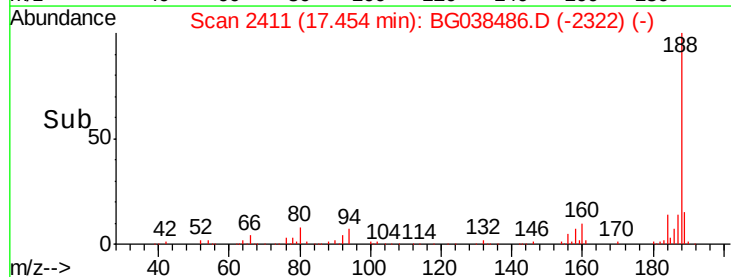
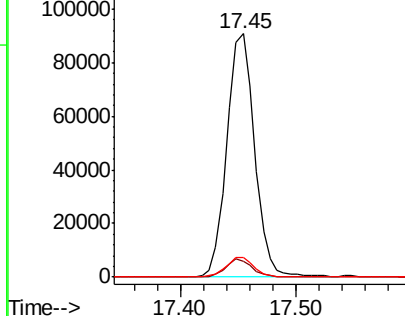


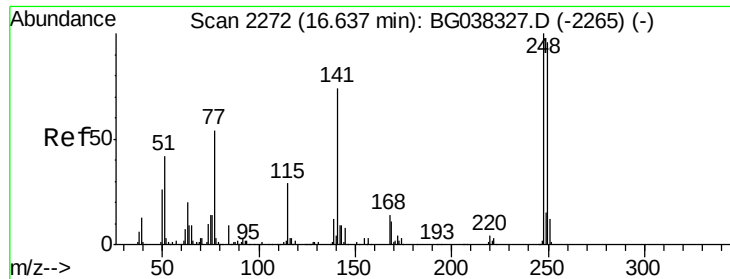
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038486.D
 Acq: 12 Dec 2018 1:52

Tgt Ion:	188	Resp:	152120
Ion	Ratio	Lower	Upper
188	100		
94	6.5	7.2	10.8#
80	8.0	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

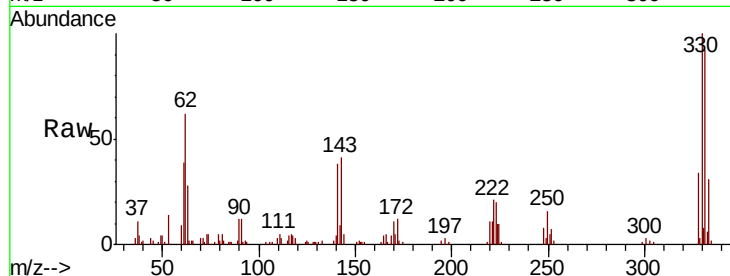




#67
 4-Bromophenyl-phenylether
 Concen: 3.229 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.45 min
 Lab File: BG038486.D
 Acq: 12 Dec 2018 1:52

Instrument :
 BNA_G
 ClientSampleId :
 PB115573TB

Tgt Ion	Ratio	Lower	Upper
248	100		
250	191.9	77.0	115.6#
141	350.7	55.5	83.3#

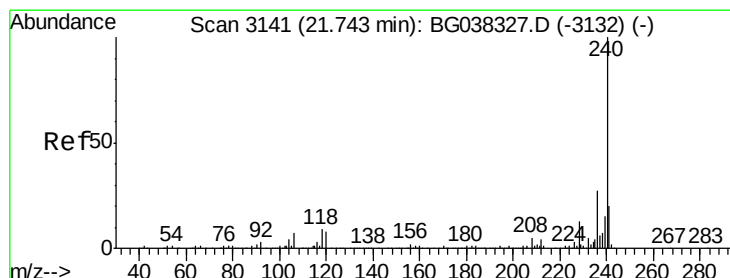
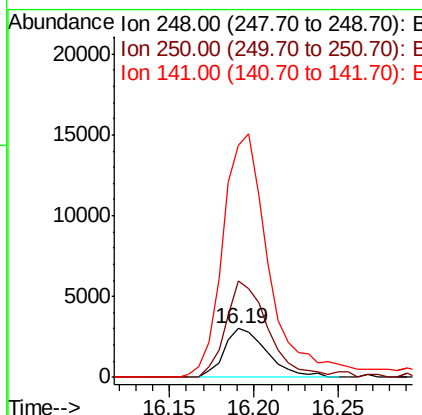
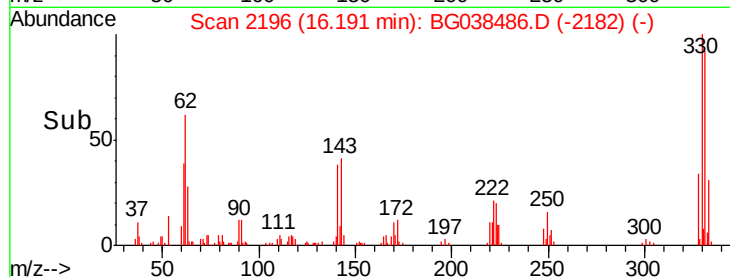


Abundance

Ion 248.00 (247.70 to 248.70): E

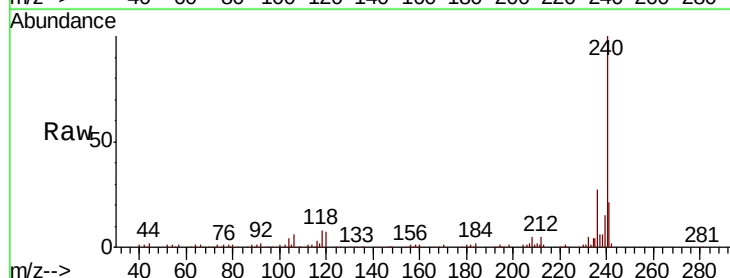
Ion 250.00 (249.70 to 250.70): E

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: BG038486.D
 Acq: 12 Dec 2018 1:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.2	8.1	12.1#
236	27.1	21.4	32.0

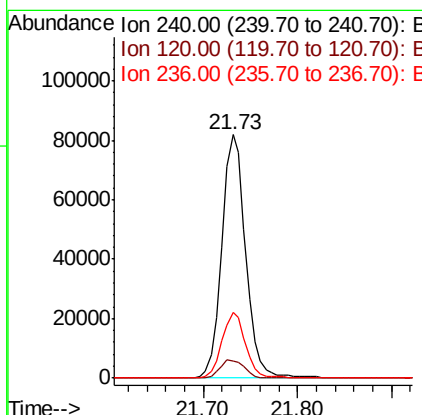
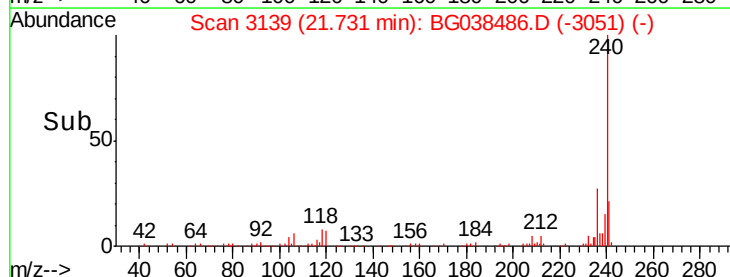


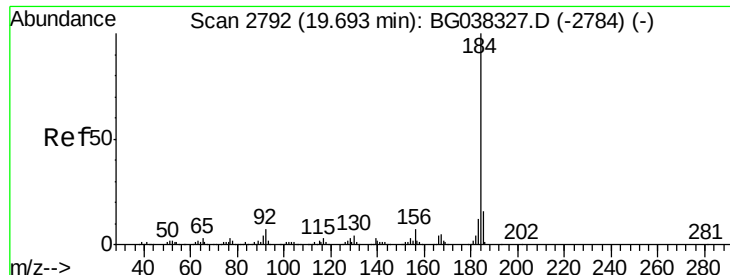
Abundance

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





#77

Benzidine

Concen: 2.270 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038486.D

Acq: 12 Dec 2018 1:52

Instrument :

BNA_G

ClientSampleId :

PB115573TB

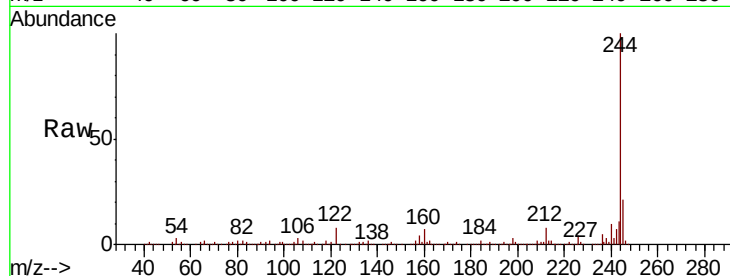
Tgt Ion:184 Resp: 11072

Ion Ratio Lower Upper

184 100

185 18.1 12.6 18.8

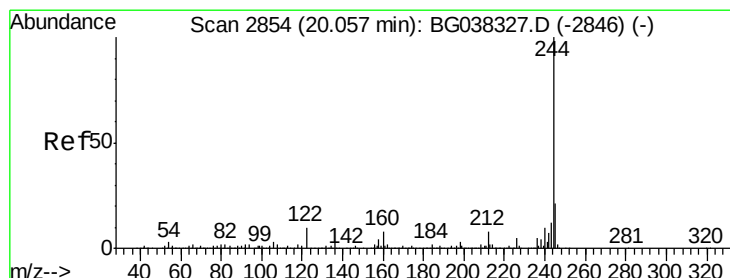
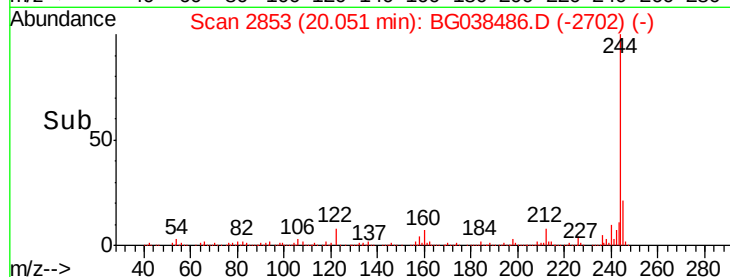
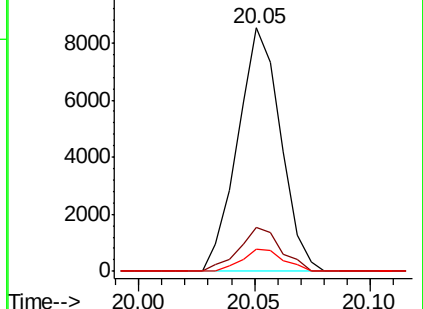
183 9.2 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 98.351 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038486.D

Acq: 12 Dec 2018 1:52

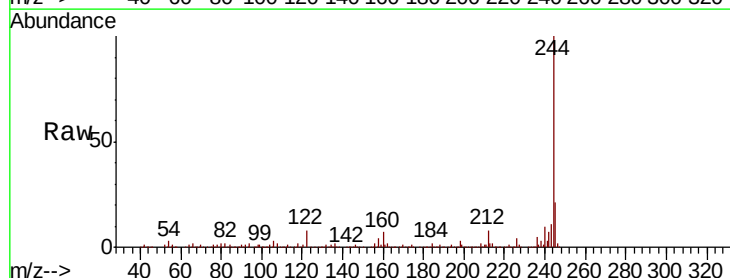
Tgt Ion:244 Resp: 663582

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

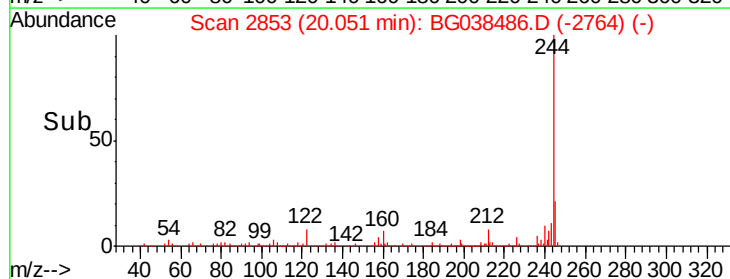
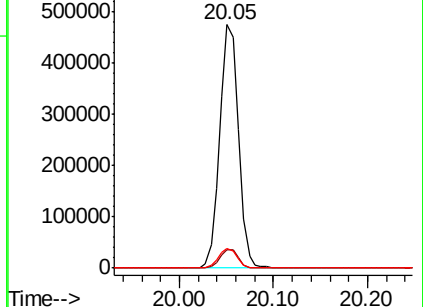
122 8.1 9.0 13.4#

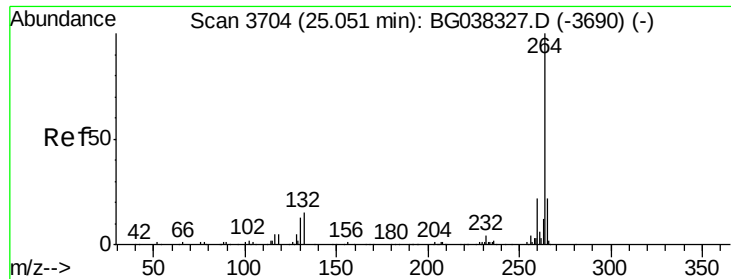


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.04 min Scan# 3702
Delta R.T. -0.01 min
Lab File: BG038486.D
Acq: 12 Dec 2018 1:52

Instrument :
BNA_G
ClientSampleId :
PB115573TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	21.2	17.9	26.9

