

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038402.D
 Acq On : 7 Dec 2018 4:21
 Operator : JU/SJ
 Sample : J6255-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 07 05:03:09 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

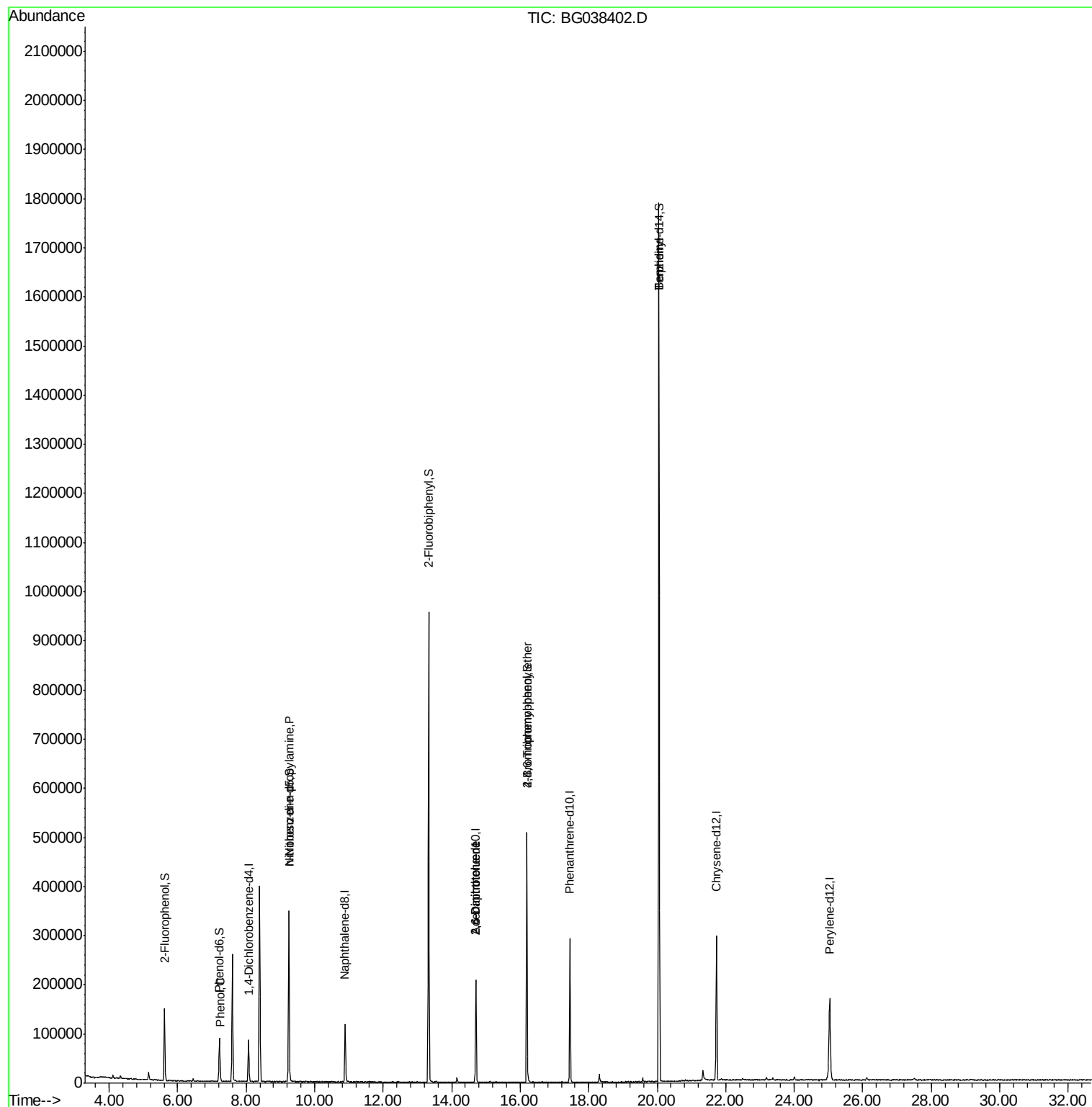
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	24199	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	111147	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	74630	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	191396	20.00	ng	0.00
76) Chrysene-d12	21.73	240	184322	20.00	ng	-0.01
87) Perylene-d12	25.03	264	190133	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	65595	47.97	ng	0.00
7) Phenol-d6	7.21	99	50570	25.59	ng	-0.01
23) Nitrobenzene-d5	9.25	82	210225	93.90	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	94766	103.44	ng	-0.01
45) 2-Fluorobiphenyl	13.32	172	506803	96.76	ng	0.00
79) Terphenyl-d14	20.05	244	889475	103.38	ng	0.00
Target Compounds						
10) Phenol	7.25	94	7316	3.503	ng	89
19) n-Nitroso-di-n-propylamine	9.25	70	26696	17.285	ng	# 81
51) 2,6-Dinitrotoluene	14.71	165	9284	6.790	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	9284	4.923	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	6208	3.004	ng	# 1
77) Benzidine	20.05	184	16250	2.613	ng	# 87

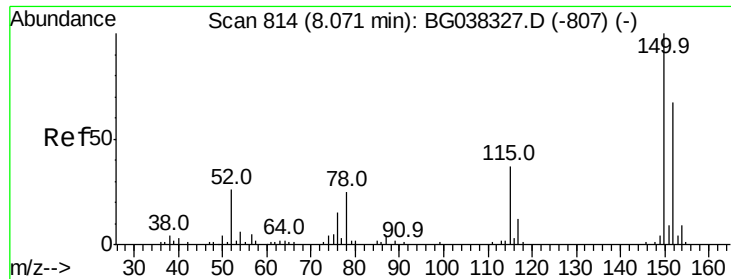
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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ClientSampleId :

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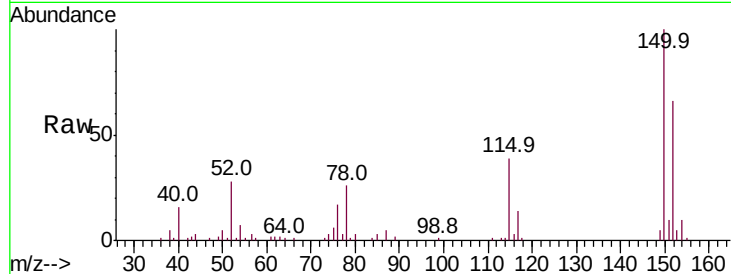


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038402.D
Acq: 7 Dec 2018 4:21

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	126.0	189.0
115	60.0	45.5	68.3

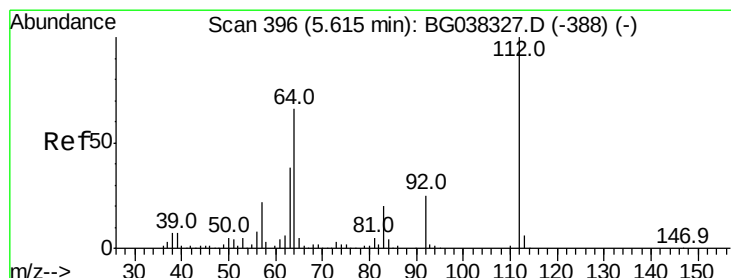
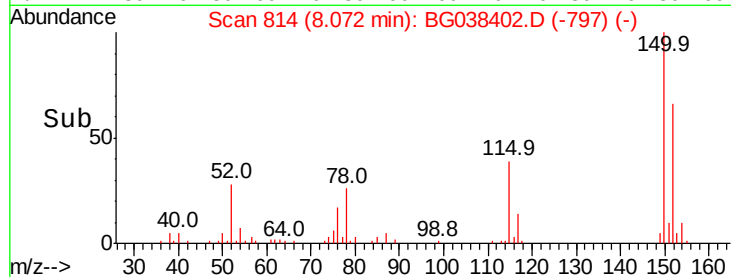
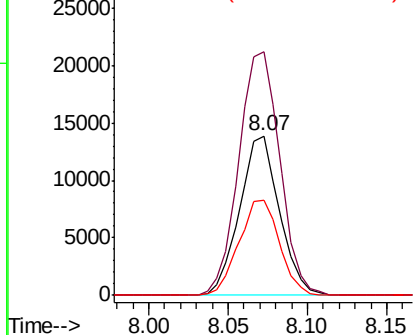


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

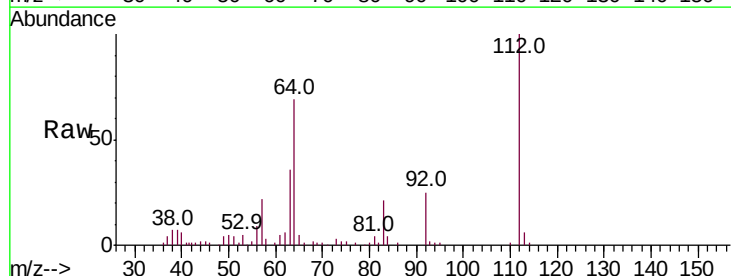
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.969 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038402.D
Acq: 7 Dec 2018 4:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	53.1	79.7
63	36.0	27.3	40.9

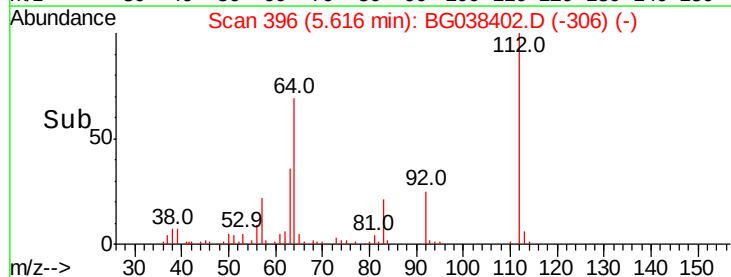
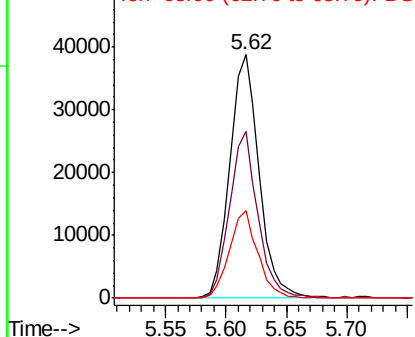


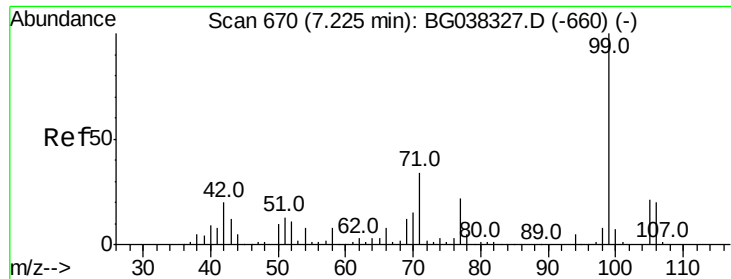
Abundance

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: 25.587 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038402.D

Acq: 7 Dec 2018 4:21

Instrument :

BNA_G

ClientSampleId :

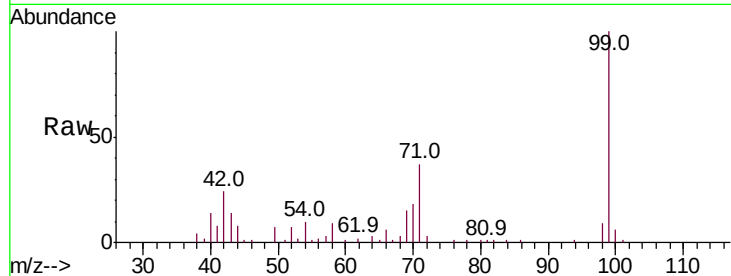
Tot Ion: 99 Resp: 50570

Ion Ratio Lower Upper

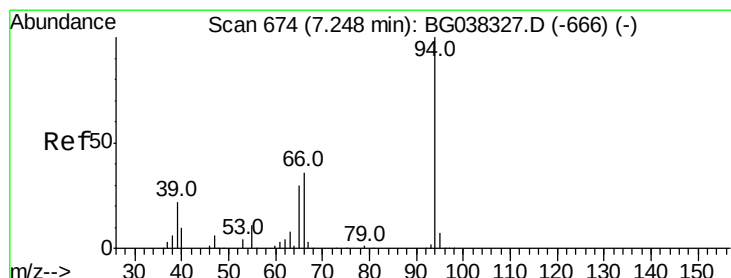
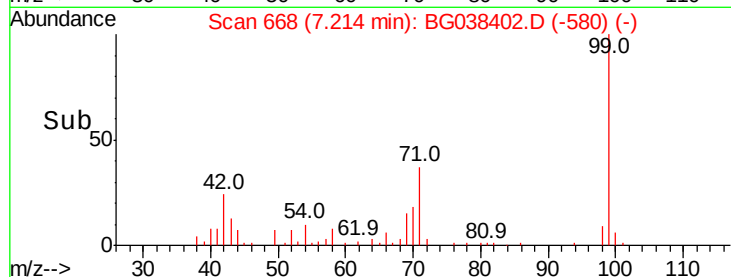
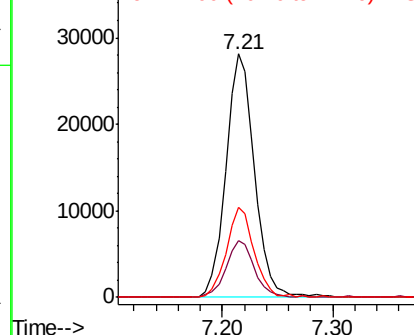
99 100

42 23.6 15.0 22.4#

71 36.7 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



#10

Phenol

Concen: 3.503 ng

RT: 7.25 min Scan# 674

Delta R.T. 0.00 min

Lab File: BG038402.D

Acq: 7 Dec 2018 4:21

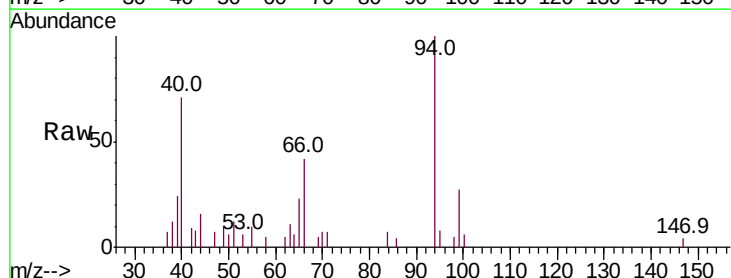
Tgt Ion: 94 Resp: 7316

Ion Ratio Lower Upper

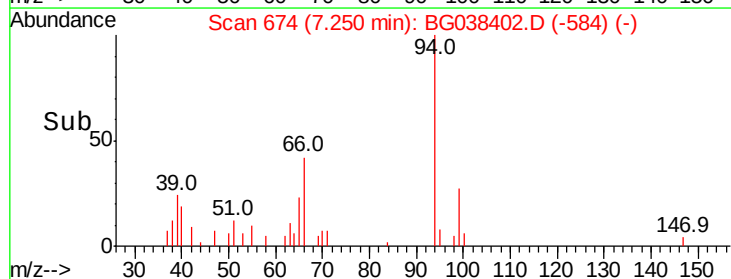
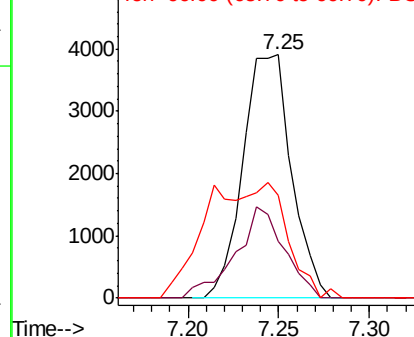
94 100

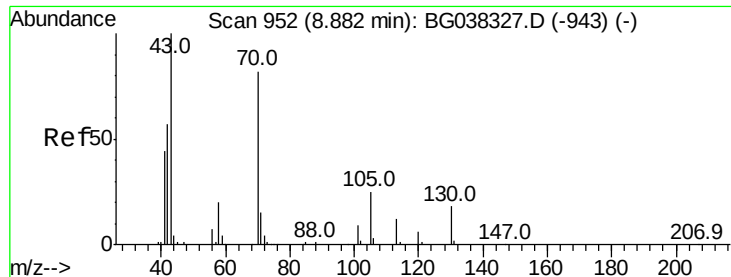
65 23.2 9.7 49.7

66 42.1 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

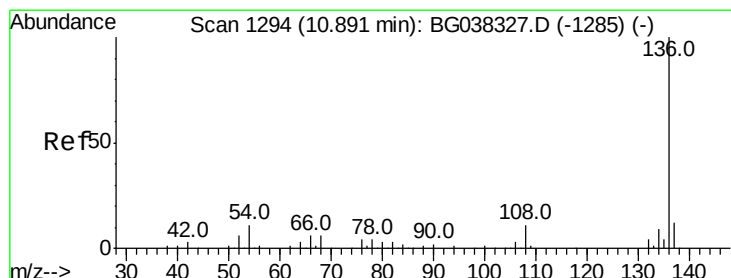
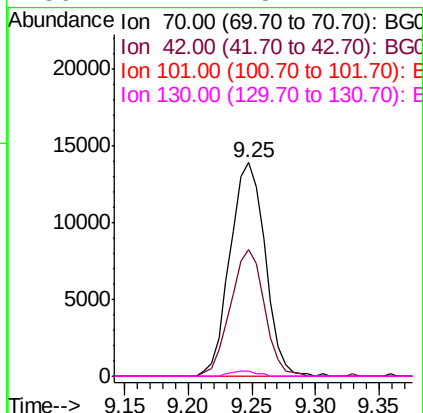
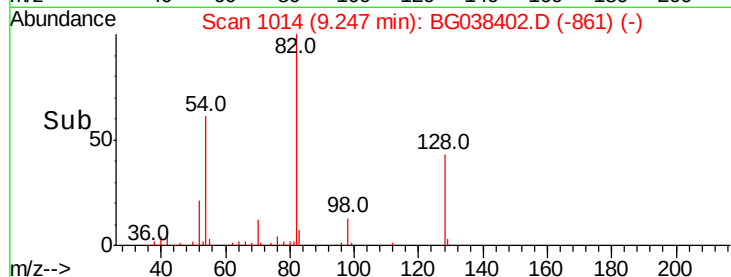
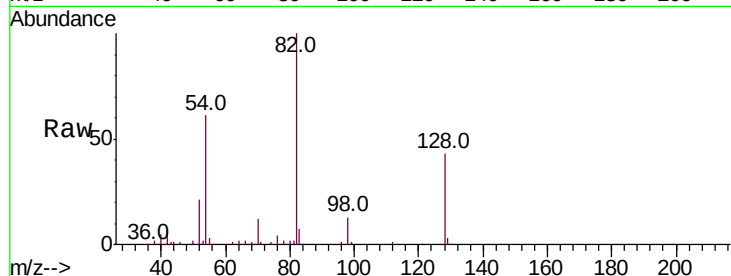




#19
n-Nitroso-di-n-propylamine
Concen: 17.285 ng
RT: 9.25 min Scan# 1014
Delta R.T. 0.37 min
Lab File: BG038402.D
Acq: 7 Dec 2018 4:21

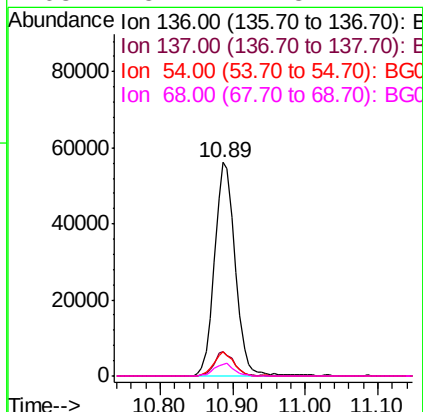
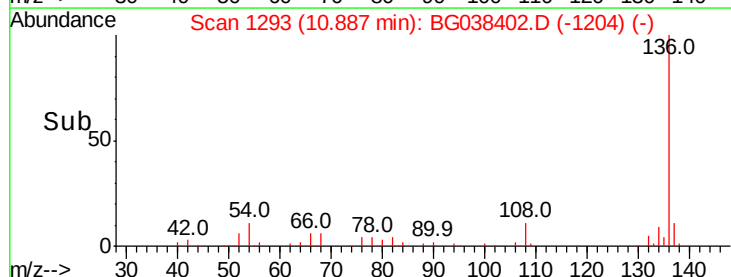
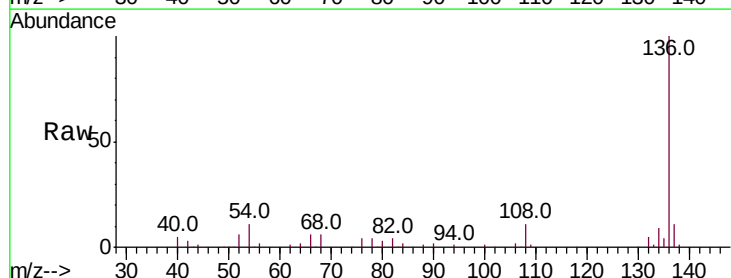
Instrument :
BNA_G
ClientSampleId :

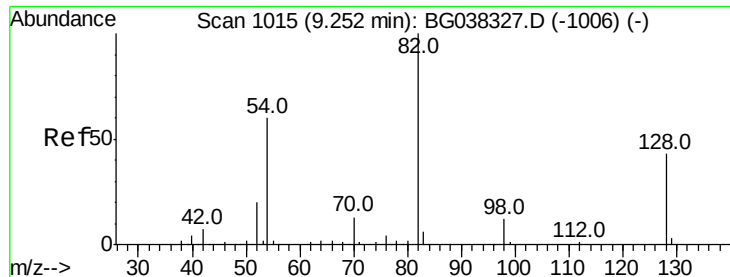
Tot Ion: 70 Resp: 26696
Ion Ratio Lower Upper
70 100
42 59.6 53.9 80.9
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038402.D
Acq: 7 Dec 2018 4:21

Tgt Ion: 136 Resp: 111147
Ion Ratio Lower Upper
136 100
137 11.2 9.6 14.4
54 11.2 7.9 11.9
68 5.7 4.8 7.2

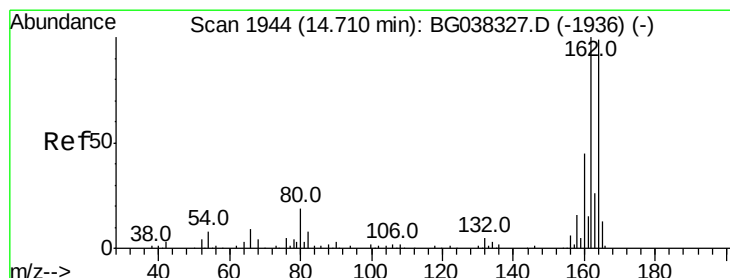
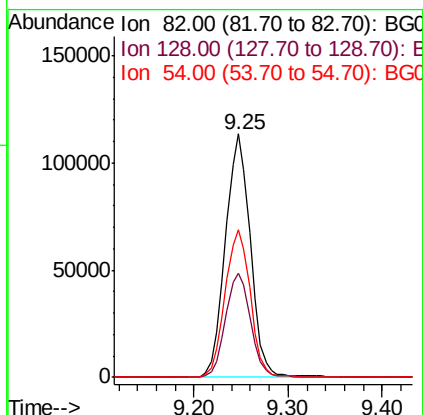
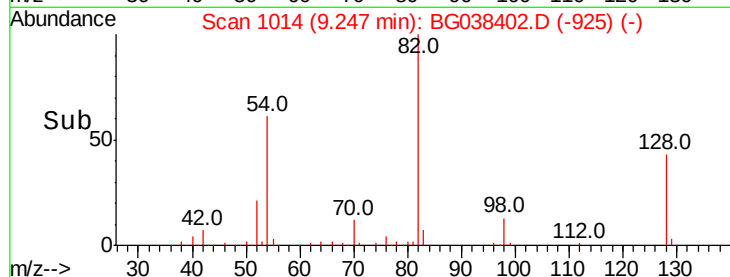
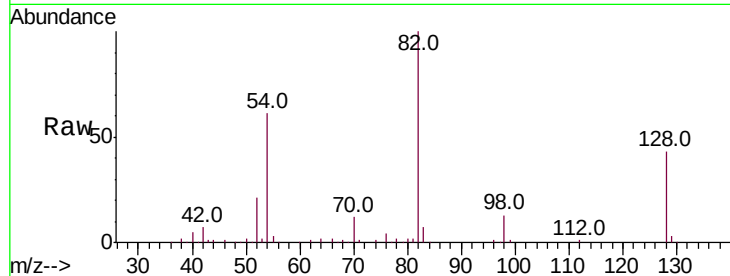




#23
Nitrobenzene-d5
Concen: 93.905 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BG038402.D
Acq: 7 Dec 2018 4:21

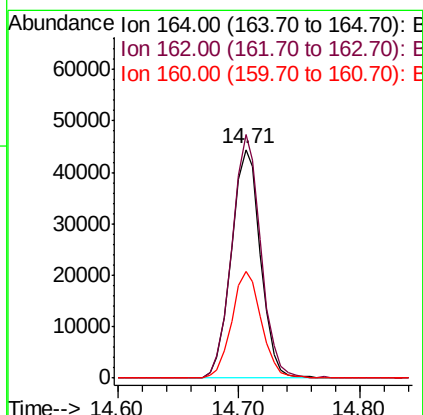
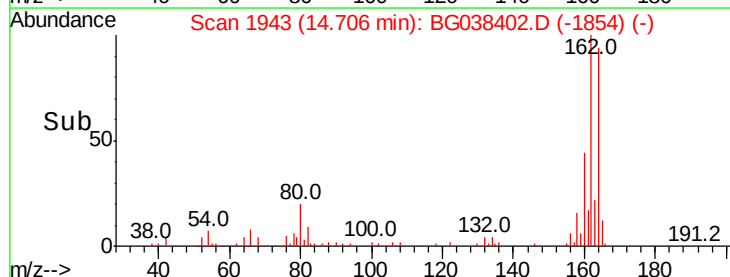
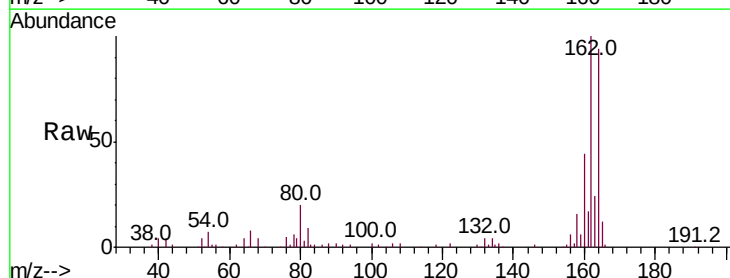
Instrument :
BNA_G
ClientSampled :

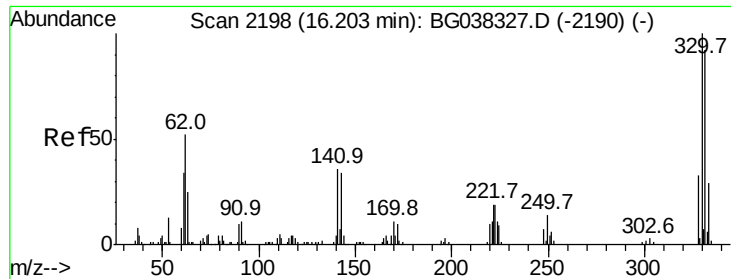
Tot Ion: 82 Resp: 210225
Ion Ratio Lower Upper
82 100
128 42.7 34.6 51.8
54 60.8 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BG038402.D
Acq: 7 Dec 2018 4:21

Tgt Ion:164 Resp: 74630
Ion Ratio Lower Upper
164 100
162 106.4 81.3 121.9
160 46.8 36.3 54.5

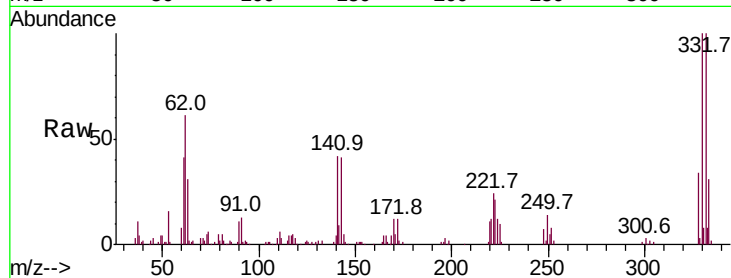




#42
 2,4,6-Tribromophenol
 Concen: 103.437 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG038402.D
 Acq: 7 Dec 2018 4:21

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.4	117.6
141	39.8	32.2	48.2

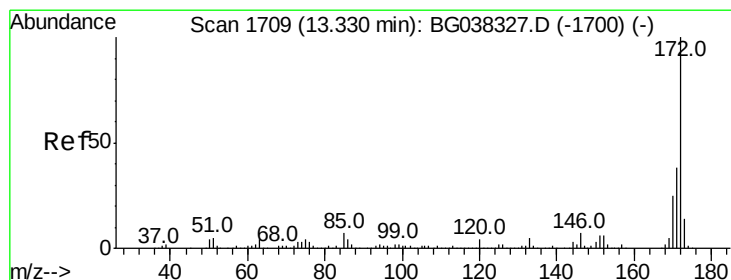
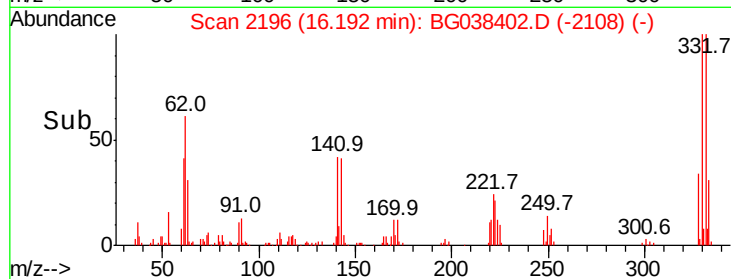
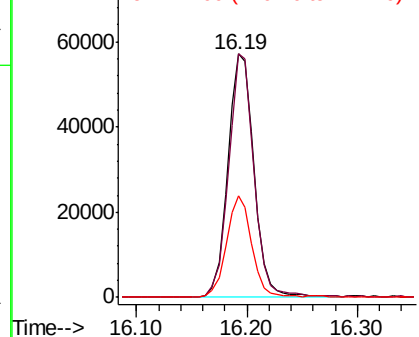


Abundance

Ion 329.80 (329.50 to 330.50): E

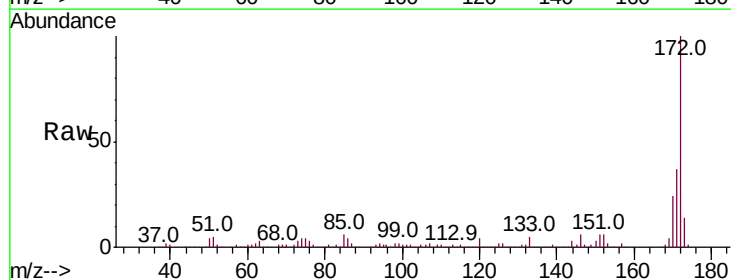
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.764 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038402.D
 Acq: 7 Dec 2018 4:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.0	46.4
170	24.4	20.2	30.2

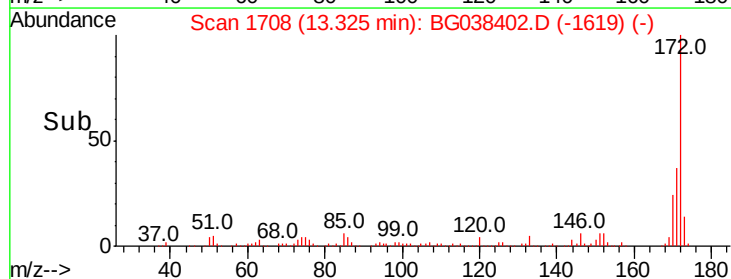
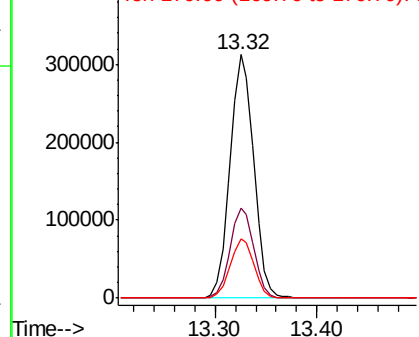


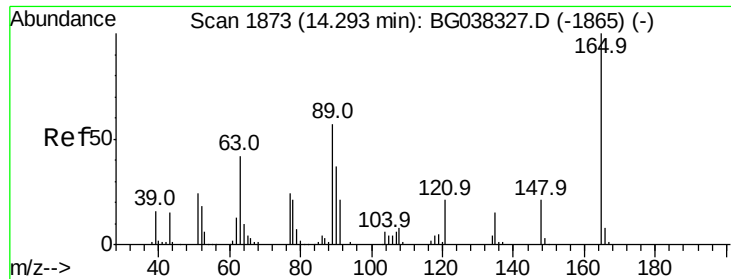
Abundance

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: 6.790 ng

RT: 14.71 min Scan# 1943

Delta R.T. 0.41 min

Lab File: BG038402.D

Acq: 7 Dec 2018 4:21

Instrument :

BNA_G

ClientSampleId :

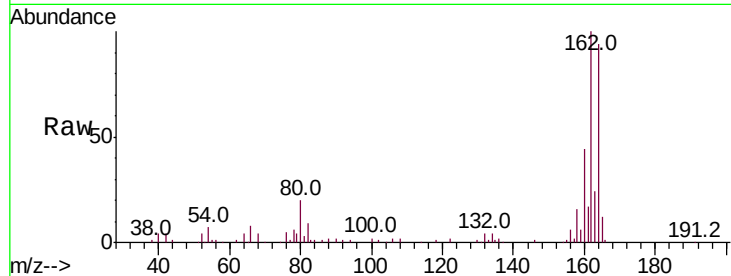
Tot Ion:165 Resp: 9284

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

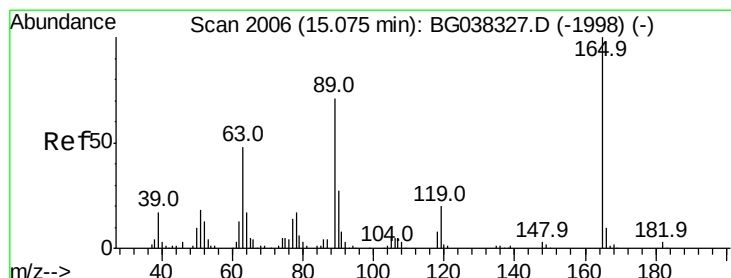
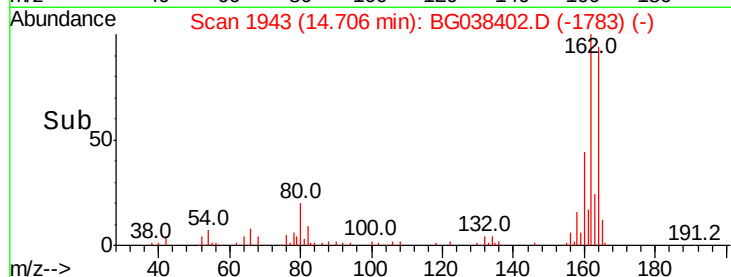
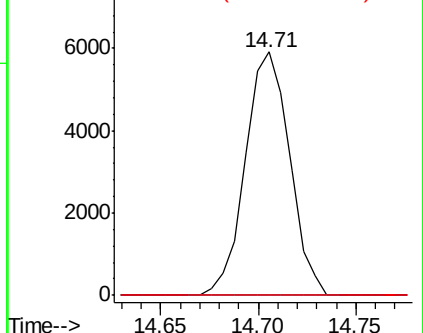
89 0.0 45.8 68.6#



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: 4.923 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.37 min

Lab File: BG038402.D

Acq: 7 Dec 2018 4:21

Tgt Ion:165 Resp: 9284

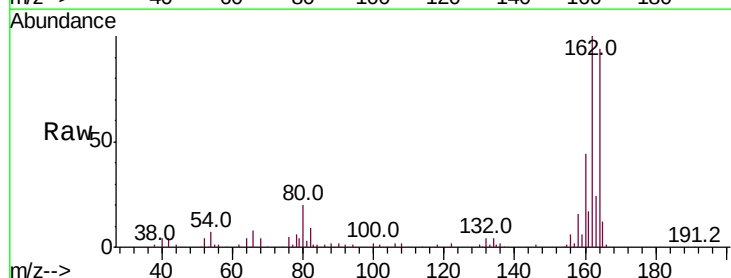
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

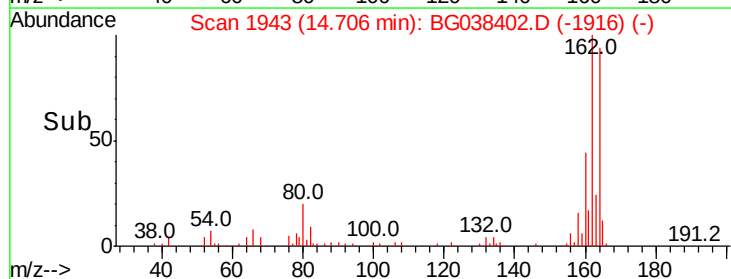
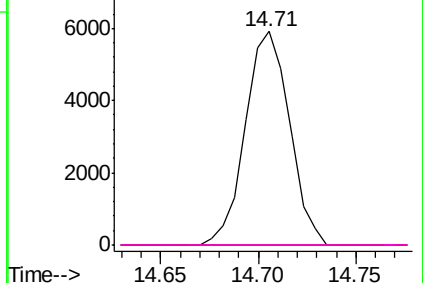


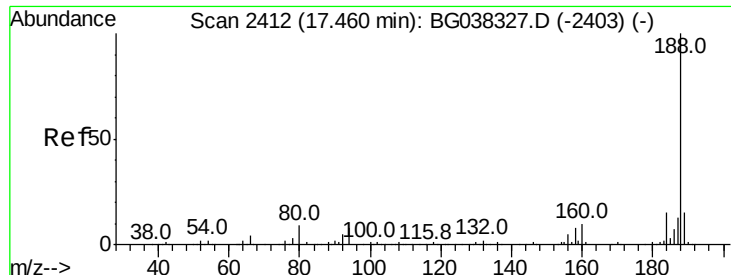
Abundance Ion 165.00 (164.70 to 165.70): E

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

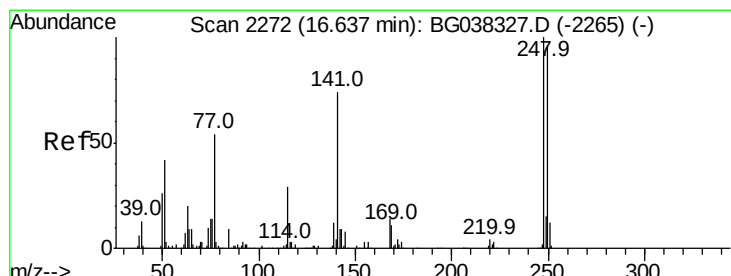
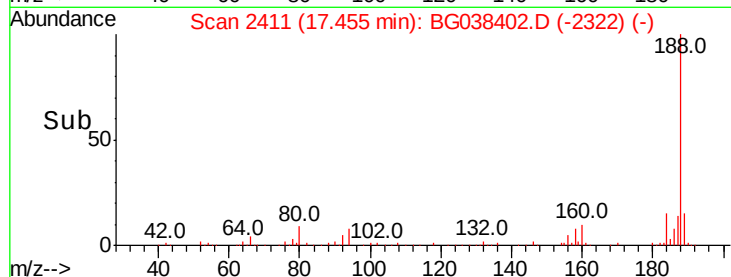
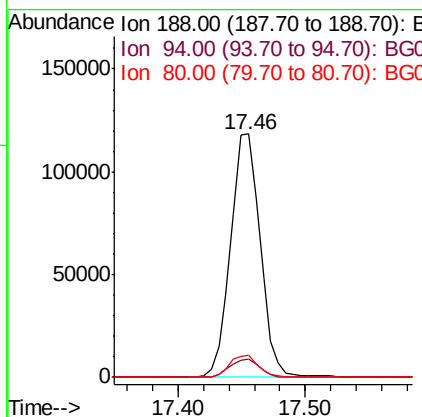
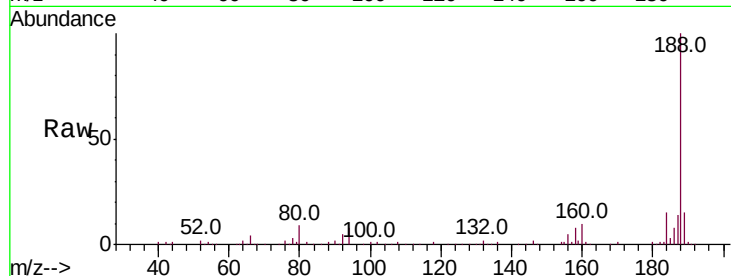




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2411
 Delta R.T. -0.00 min
 Lab File: BG038402.D
 Acq: 7 Dec 2018 4:21

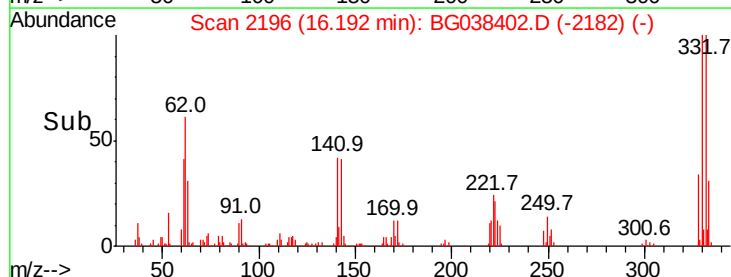
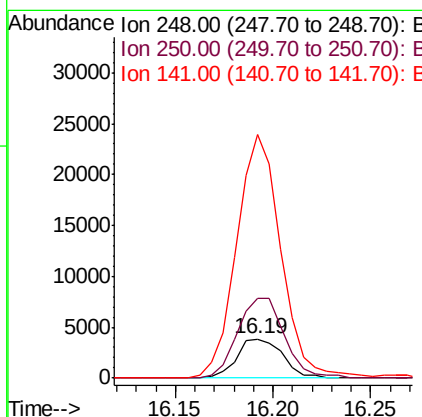
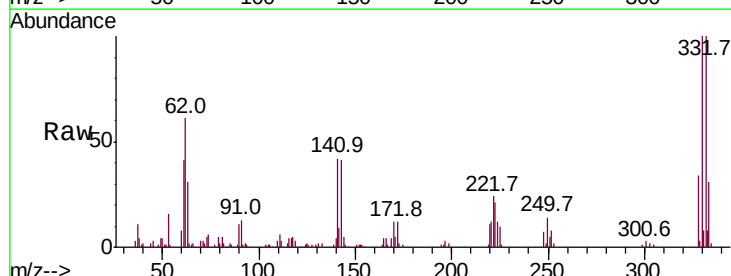
Instrument :
 BNA_G
 ClientSampleId :

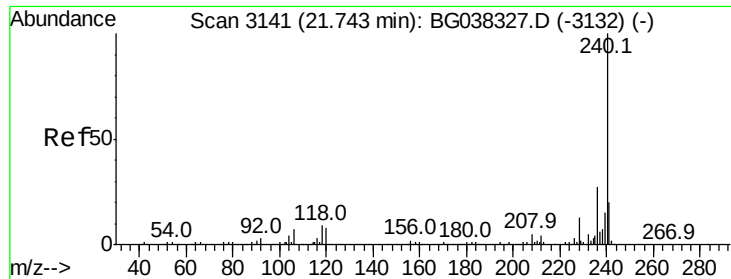
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.6	7.2	10.8
80	9.2	7.7	11.5



#67
 4-Bromophenyl-phenylether
 Concen: 3.004 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.45 min
 Lab File: BG038402.D
 Acq: 7 Dec 2018 4:21

Tgt Ion	Ratio	Lower	Upper
248	100		
250	213.5	77.0	115.6#
141	488.2	55.5	83.3#

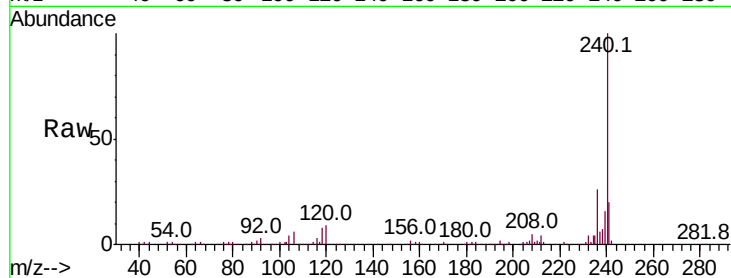




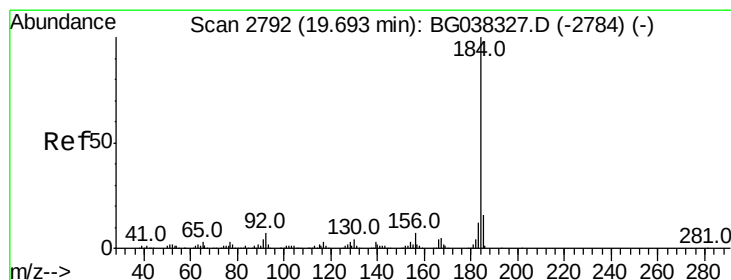
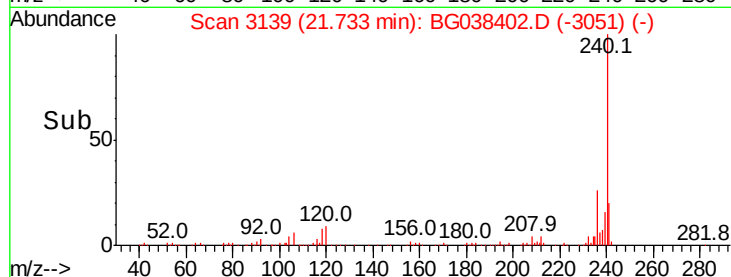
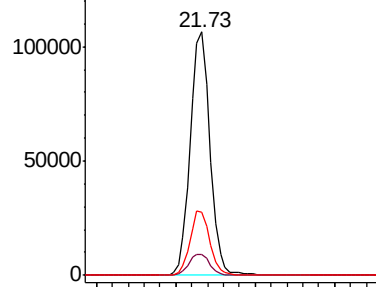
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3139
 Delta R.T. -0.01 min
 Lab File: BG038402.D
 Acq: 7 Dec 2018 4:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	8.1	12.1
236	25.8	21.4	32.0

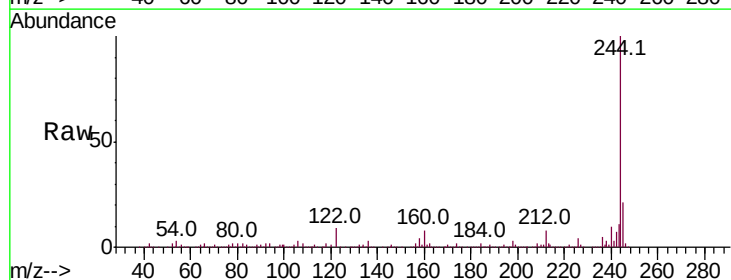


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

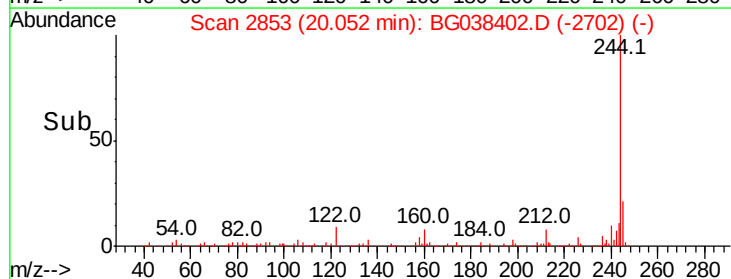
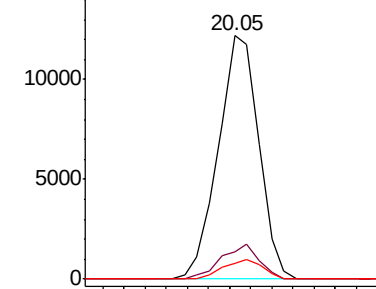


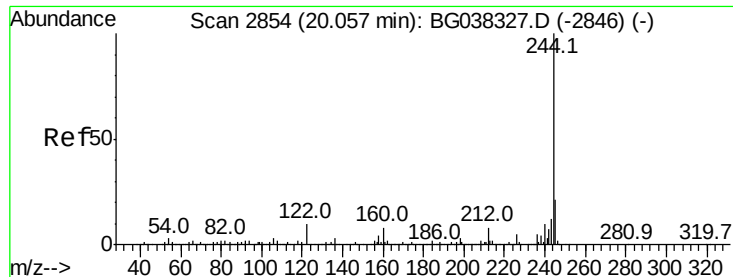
#77
 Benzidine
 Concen: 2.613 ng
 RT: 20.05 min Scan# 2853
 Delta R.T. 0.36 min
 Lab File: BG038402.D
 Acq: 7 Dec 2018 4:21

Tgt Ion	Ratio	Lower	Upper
184	100		
185	11.3	12.6	18.8#
183	6.3	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: 103.378 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038402.D

Acq: 7 Dec 2018 4:21

Instrument :

BNA_G

ClientSampleId :

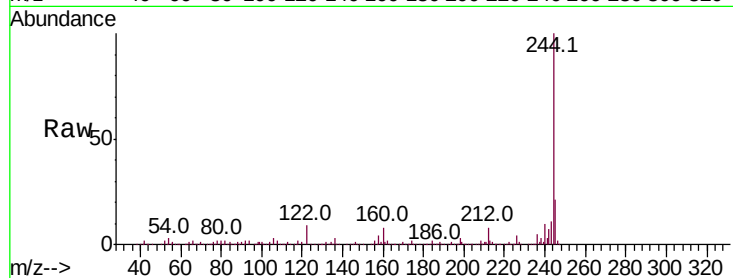
Tot Ion:244 Resp: 889475

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

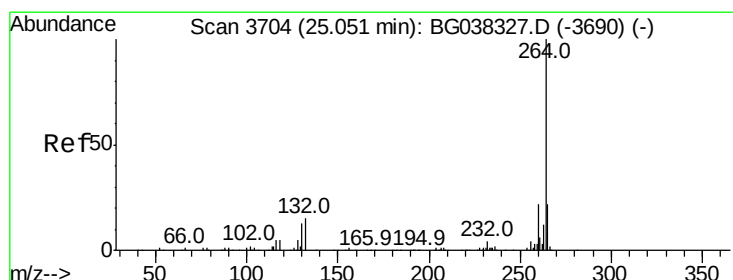
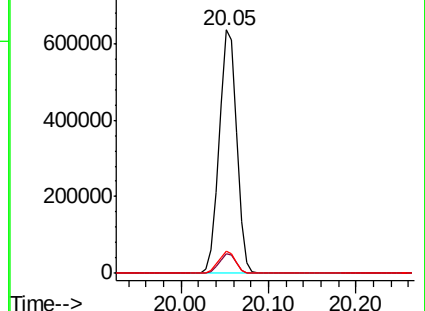
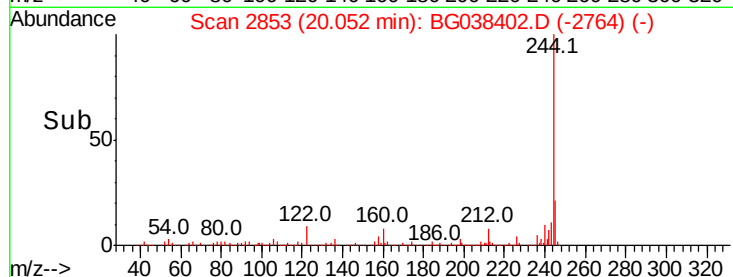
122 9.0 9.0 13.4



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: 25.03 min Scan# 3701

Delta R.T. -0.02 min

Lab File: BG038402.D

Acq: 7 Dec 2018 4:21

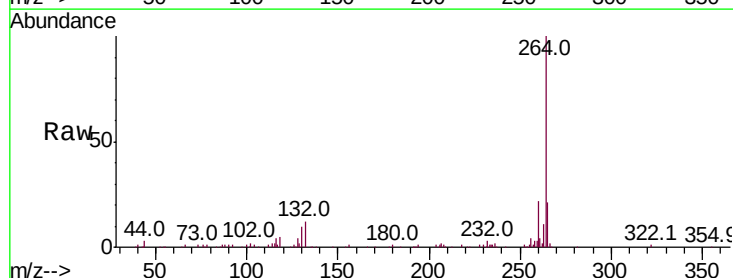
Tgt Ion:264 Resp: 190133

Ion Ratio Lower Upper

264 100

260 21.6 18.2 27.4

265 21.0 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

