

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038400.D
 Acq On : 7 Dec 2018 3:03
 Operator : JU/SJ
 Sample : J6255-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 07 04:32:33 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

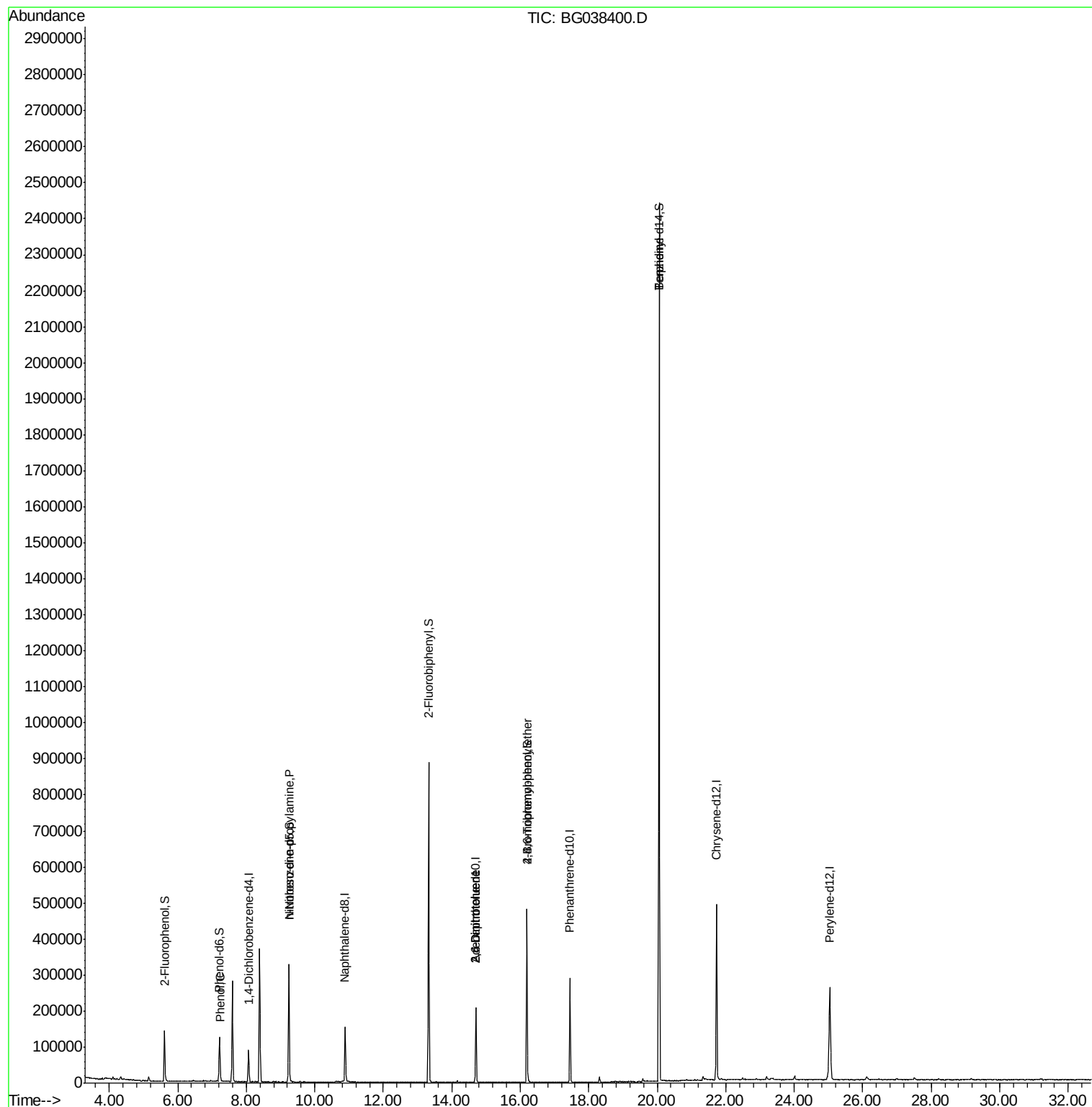
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	25159	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	146621	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	75455	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	190140	20.00	ng	0.00
76) Chrysene-d12	21.73	240	278331	20.00	ng	-0.01
87) Perylene-d12	25.04	264	280716	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	62430	43.91	ng	0.00
7) Phenol-d6	7.21	99	74572	36.29	ng	-0.01
23) Nitrobenzene-d5	9.25	82	202479	68.56	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	95166	102.74	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	488432	92.24	ng	0.00
79) Terphenyl-d14	20.06	244	1184900	91.20	ng	0.00
Target Compounds						
10) Phenol	7.24	94	10570	4.869	ng	95
19) n-Nitroso-di-n-propylamine	9.25	70	26917	16.696	ng	# 78
51) 2,6-Dinitrotoluene	14.70	165	9983	7.221	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	9983	5.236	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	6435	3.134	ng	# 1
77) Benzidine	20.06	184	19626	2.090	ng	# 95

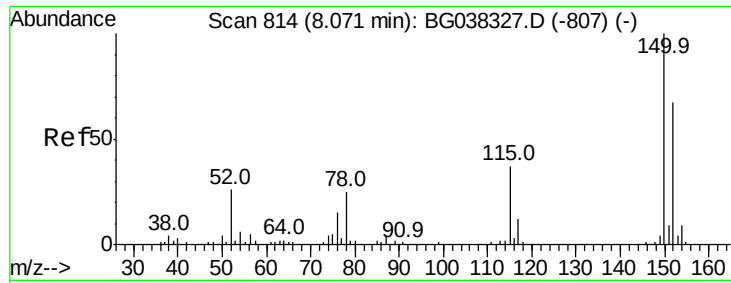
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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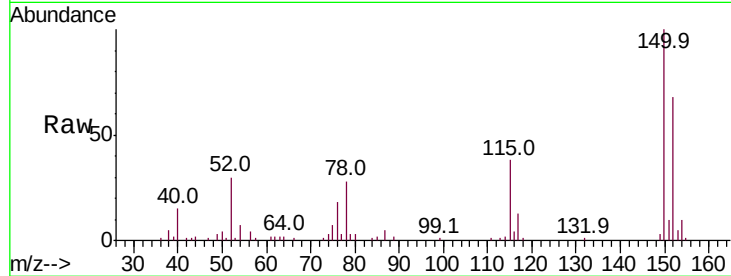


#1

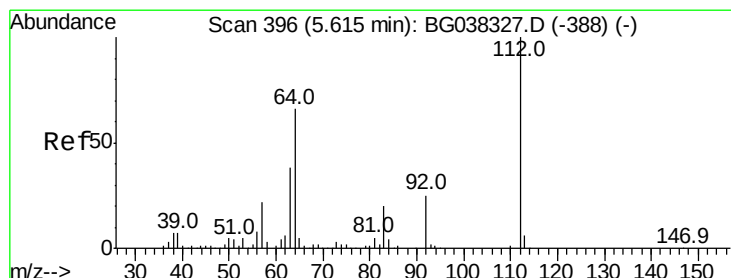
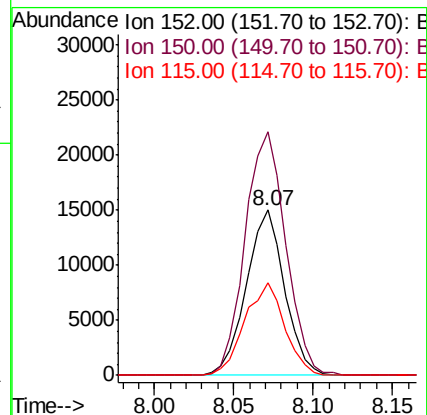
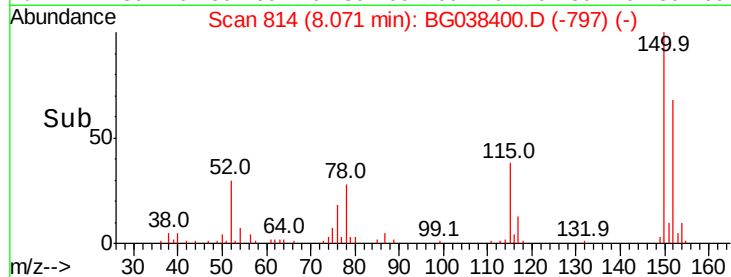
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. 0.00 min
Lab File: BG038400.D
Acq: 7 Dec 2018 3:03

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 25159
Ion Ratio Lower Upper
152 100
150 147.1 126.0 189.0
115 56.1 45.5 68.3



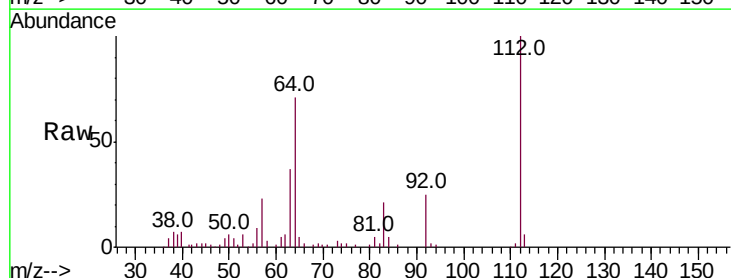
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



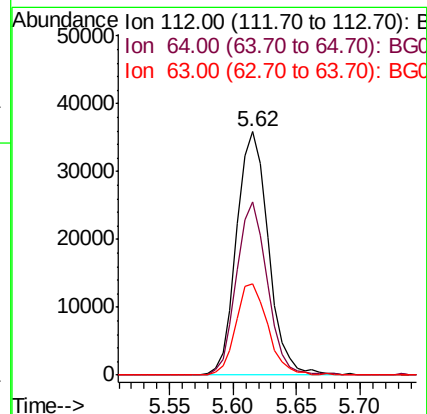
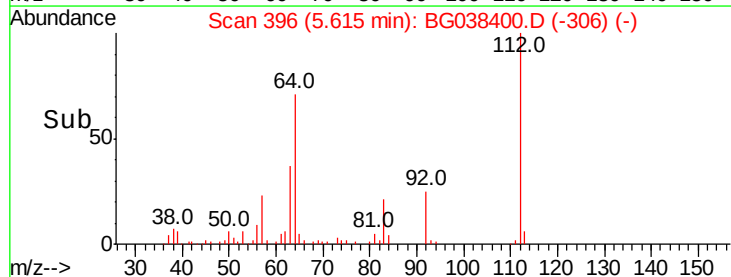
#5

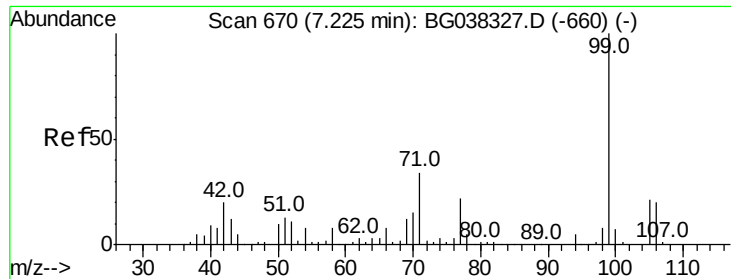
2-Fluorophenol
Concen: 43.912 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038400.D
Acq: 7 Dec 2018 3:03

Tgt Ion:112 Resp: 62430
Ion Ratio Lower Upper
112 100
64 71.2 53.1 79.7
63 37.3 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 36.291 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038400.D

Acq: 7 Dec 2018 3:03

Instrument :

BNA_G

ClientSampleId :

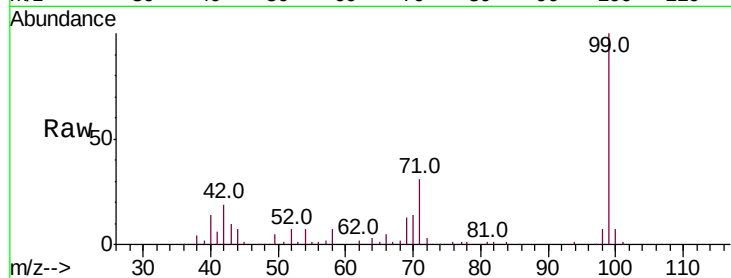
Tot Ion: 99 Resp: 74572

Ion Ratio Lower Upper

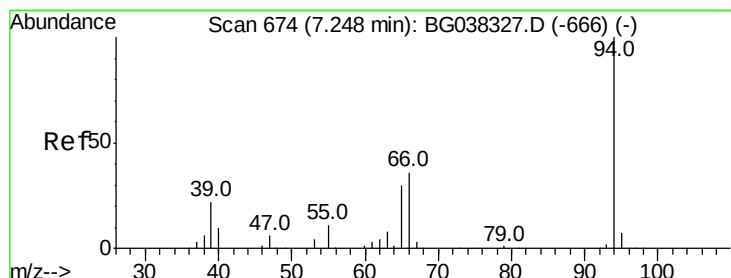
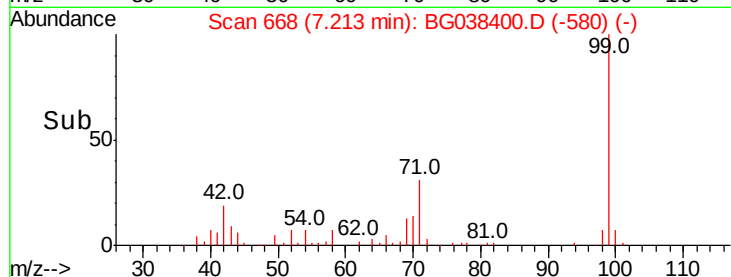
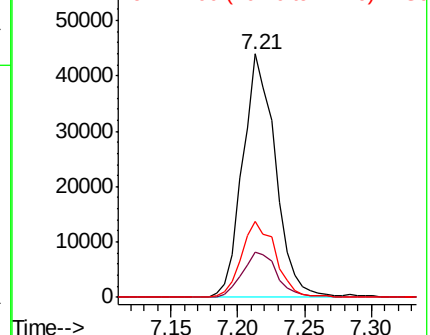
99 100

42 18.6 15.0 22.4

71 30.9 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: 4.869 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG038400.D

Acq: 7 Dec 2018 3:03

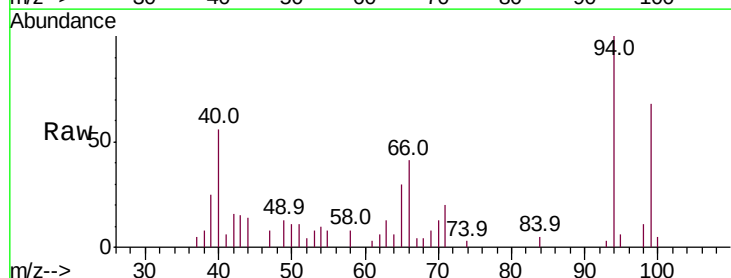
Tgt Ion: 94 Resp: 10570

Ion Ratio Lower Upper

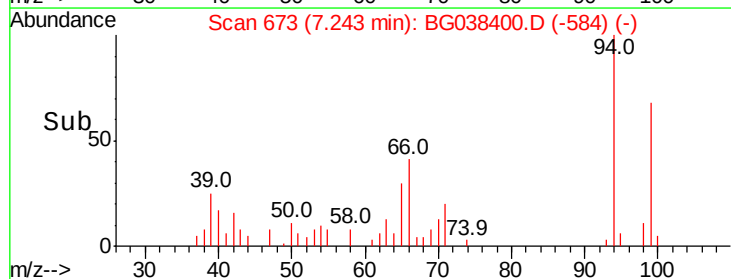
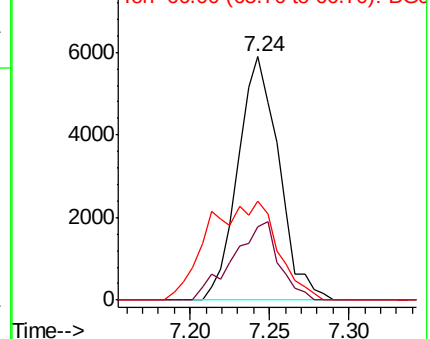
94 100

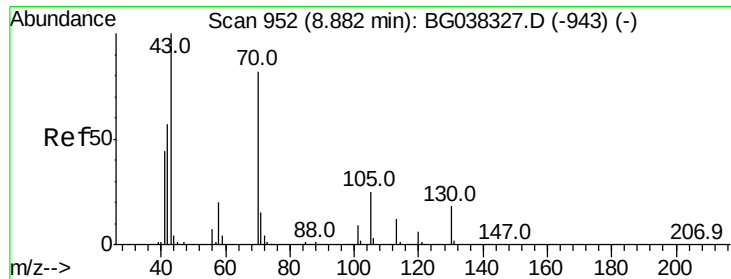
65 30.3 9.7 49.7

66 40.8 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

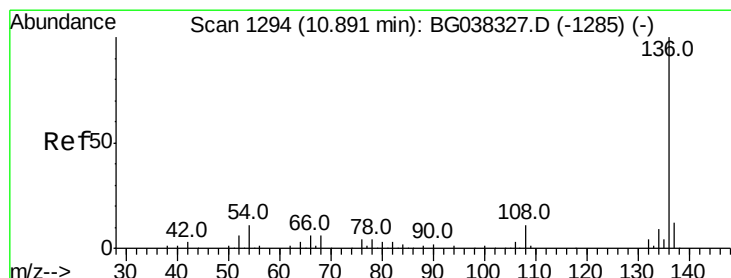
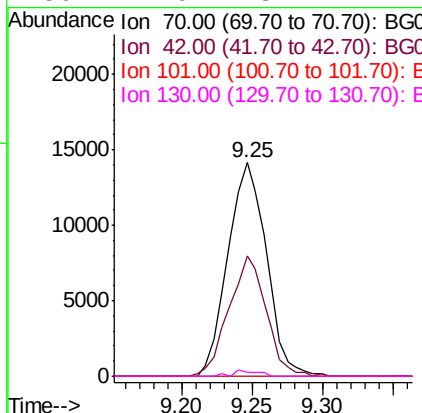
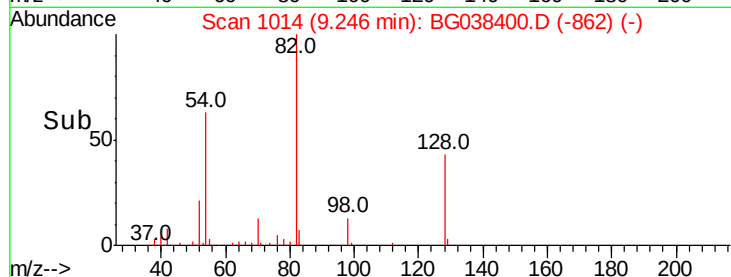
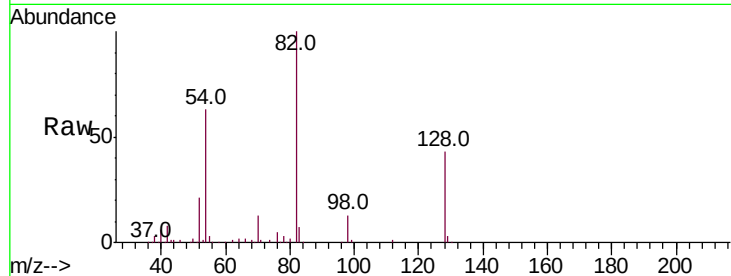




#19
n-Nitroso-di-n-propylamine
Concen: 16.696 ng
RT: 9.25 min Scan# 1014
Delta R.T. 0.37 min
Lab File: BG038400.D
Acq: 7 Dec 2018 3:03

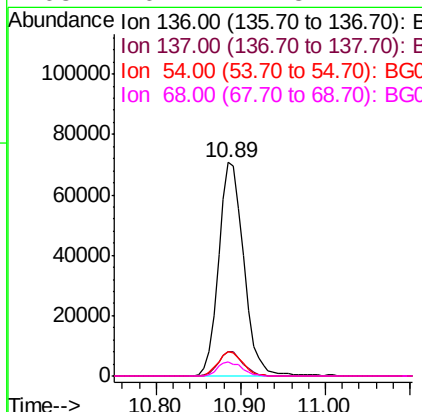
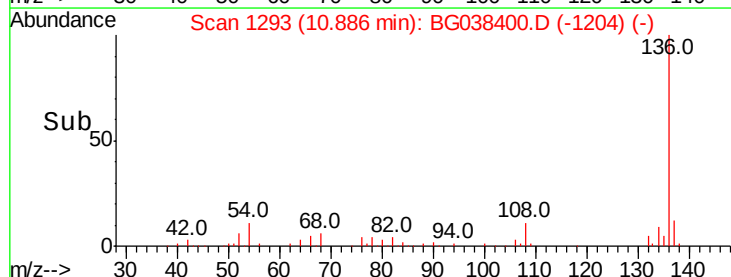
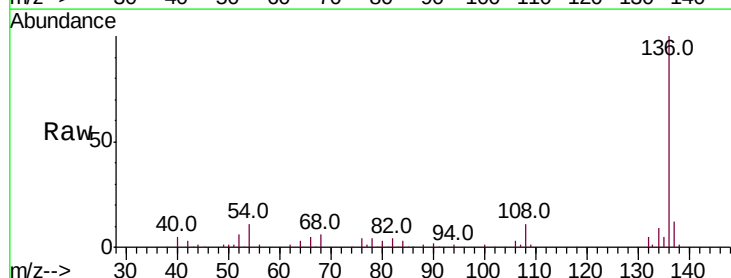
Instrument :
BNA_G
ClientSampleId :

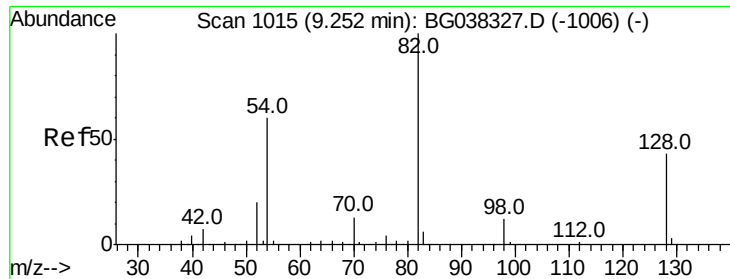
Tot Ion: 70 Resp: 26917
Ion Ratio Lower Upper
70 100
42 56.5 53.9 80.9
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038400.D
Acq: 7 Dec 2018 3:03

Tgt Ion:136 Resp: 146621
Ion Ratio Lower Upper
136 100
137 11.7 9.6 14.4
54 11.1 7.9 11.9
68 6.4 4.8 7.2

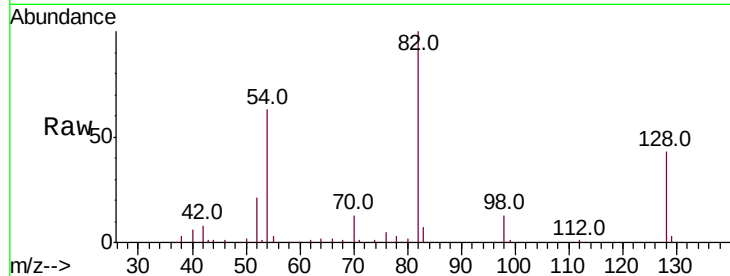




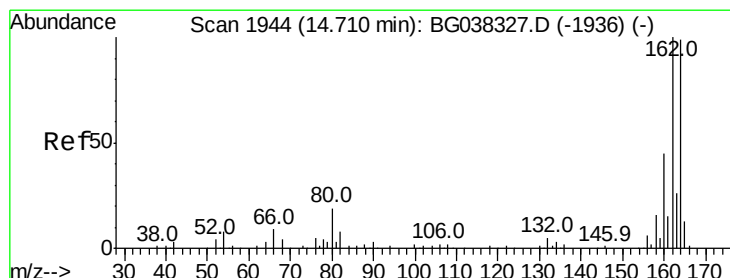
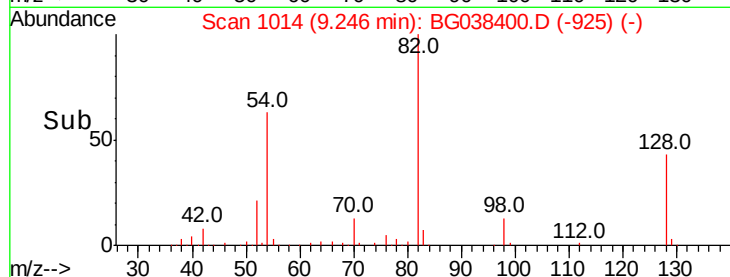
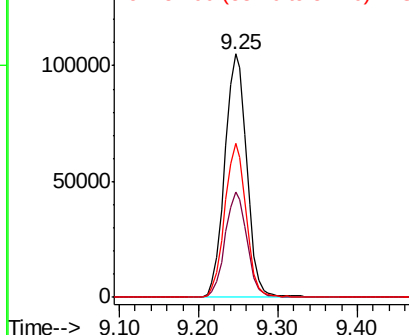
#23
Nitrobenzene-d5
Concen: 68.562 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038400.D
Acq: 7 Dec 2018 3:03

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	202479
Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.6	51.8
54	63.4	45.3	67.9

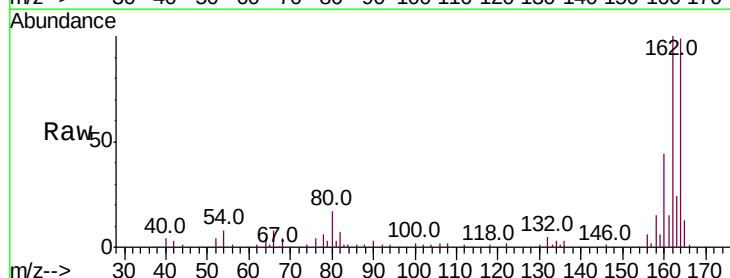


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

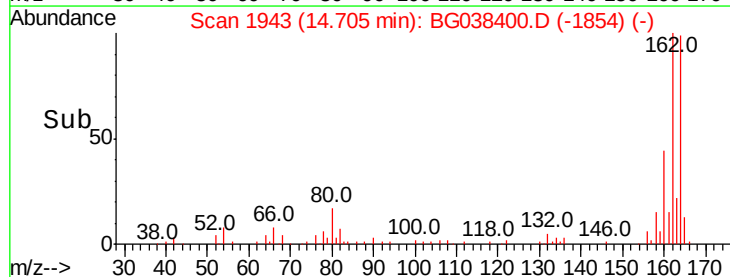
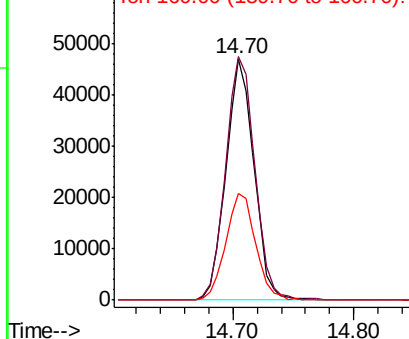


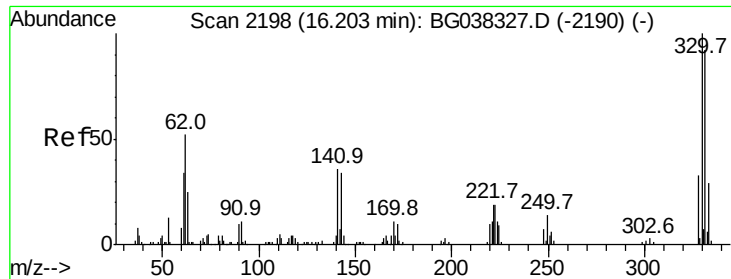
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BG038400.D
Acq: 7 Dec 2018 3:03

Tgt Ion	164	Resp	75455
Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.3	121.9
160	44.5	36.3	54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 102.738 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038400.D

Acq: 7 Dec 2018 3:03

Instrument :

BNA_G

ClientSampleId :

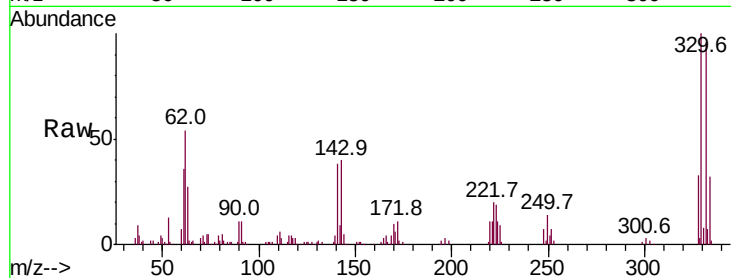
Tot Ion:330 Resp: 95166

Ion Ratio Lower Upper

330 100

332 95.4 78.4 117.6

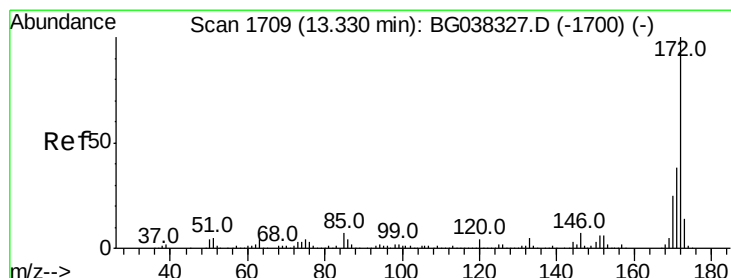
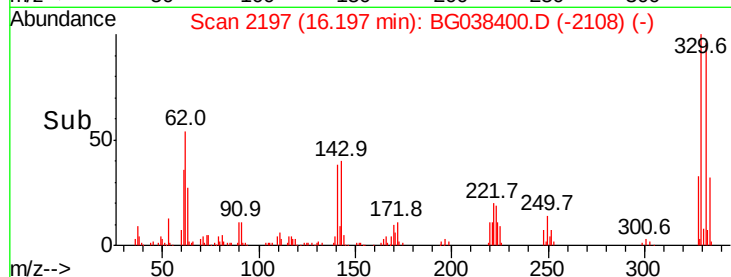
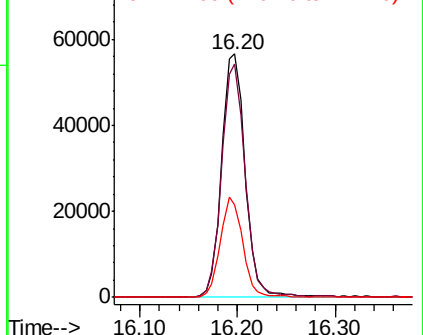
141 39.5 32.2 48.2



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: 92.237 ng

RT: 13.33 min Scan# 1709

Delta R.T. 0.00 min

Lab File: BG038400.D

Acq: 7 Dec 2018 3:03

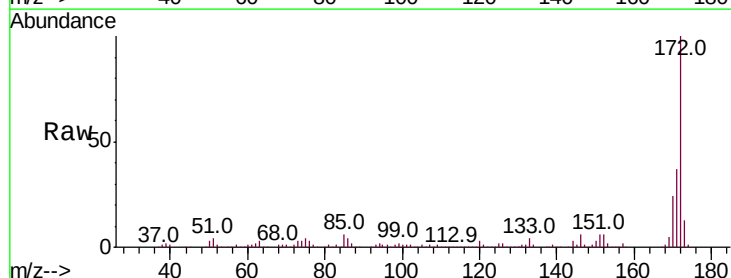
Tgt Ion:172 Resp: 488432

Ion Ratio Lower Upper

172 100

171 36.6 31.0 46.4

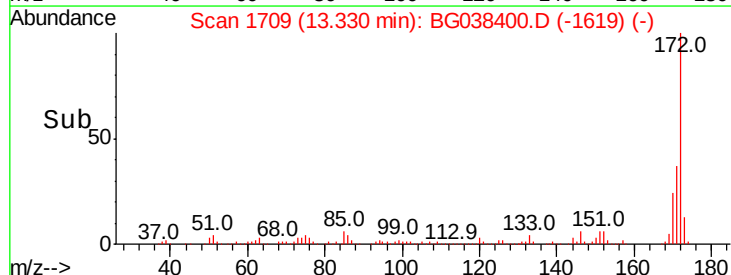
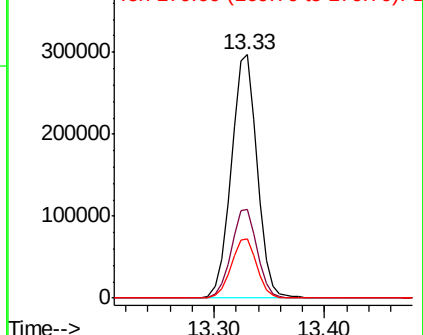
170 24.4 20.2 30.2

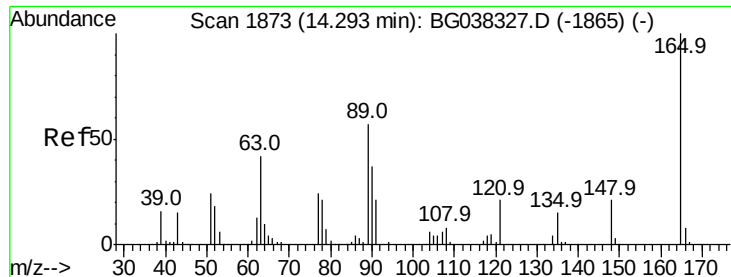


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

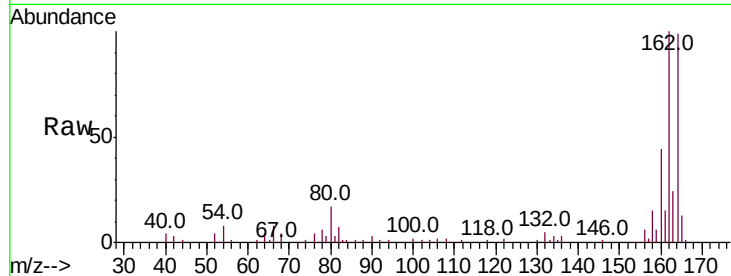




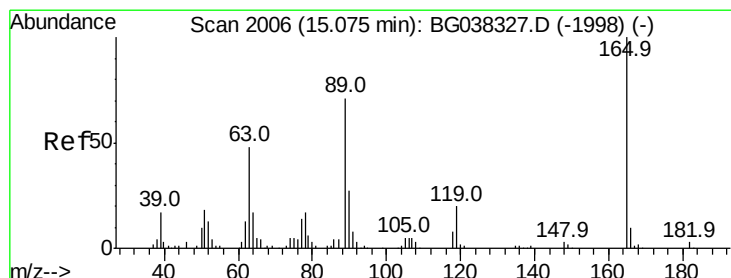
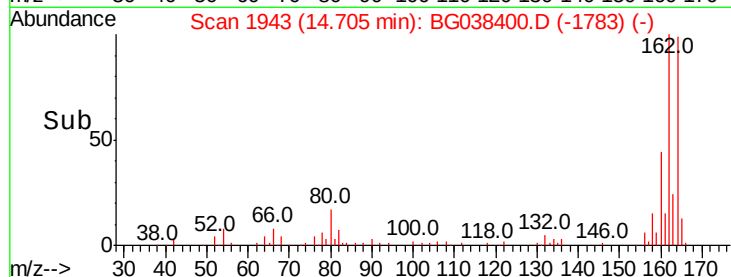
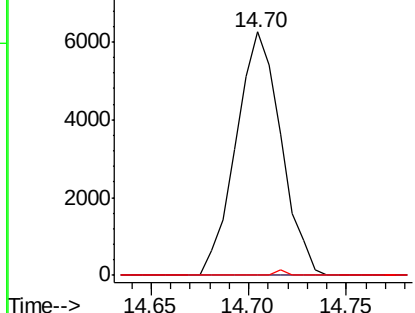
#51
 2,6-Dinitrotoluene
 Concen: 7.221 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038400.D
 Acq: 7 Dec 2018 3:03

Instrument :
 BNA_G
 ClientSampleId :

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



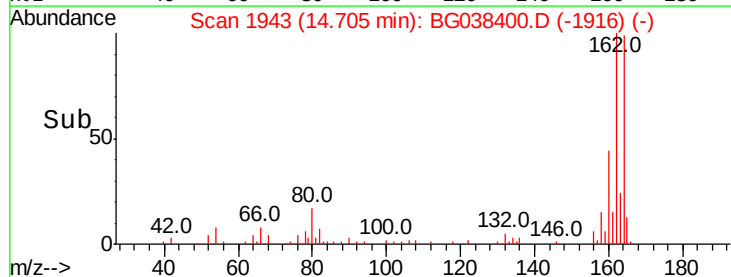
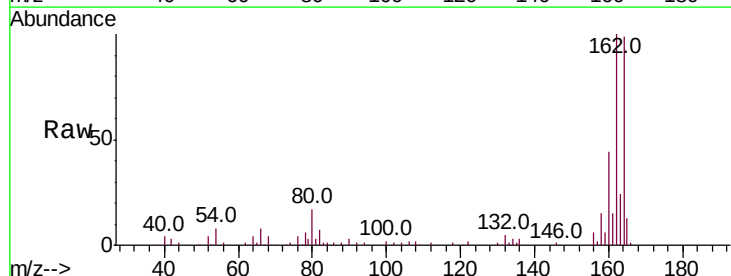
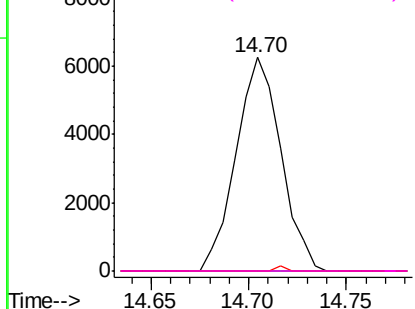
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

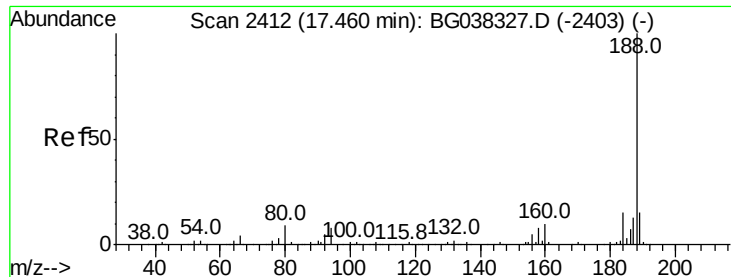


#57
 2,4-Dinitrotoluene
 Concen: 5.236 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038400.D
 Acq: 7 Dec 2018 3:03

Tgt 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: BG038400.D

Acq: 7 Dec 2018 3:03

Instrument :

BNA_G

ClientSampleId :

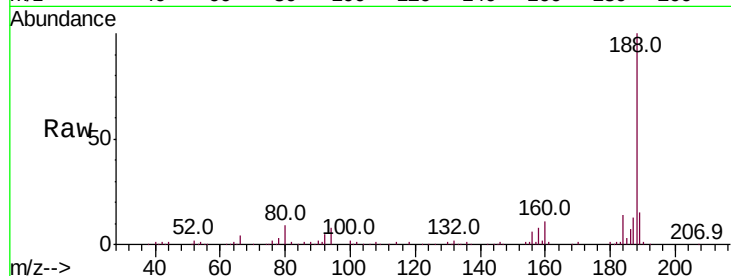
Tot Ion:188 Resp: 190140

Ion Ratio Lower Upper

188 100

94 7.6 7.2 10.8

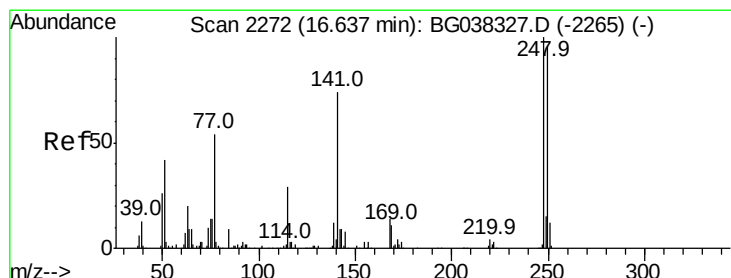
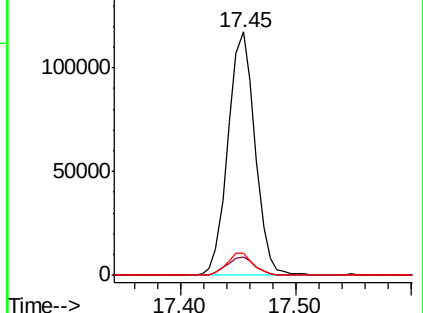
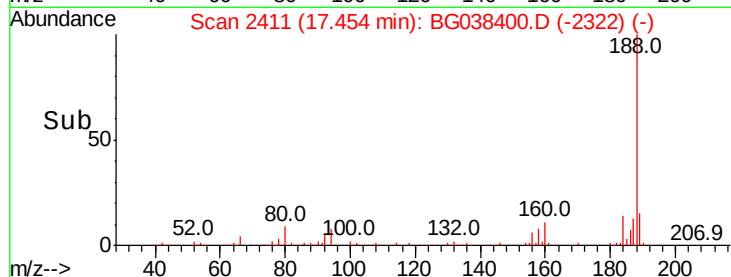
80 8.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.134 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.44 min

Lab File: BG038400.D

Acq: 7 Dec 2018 3:03

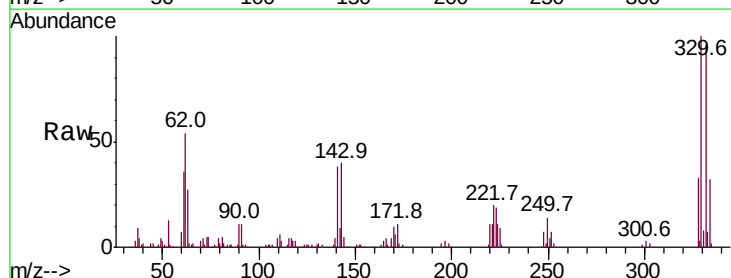
Tgt Ion:248 Resp: 6435

Ion Ratio Lower Upper

248 100

250 195.2 77.0 115.6#

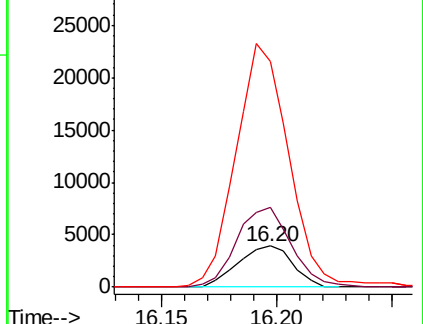
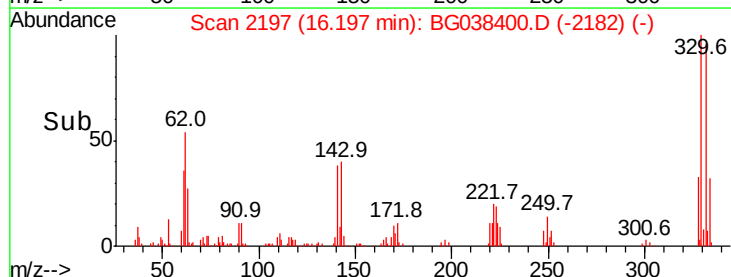
141 417.6 55.5 83.3#

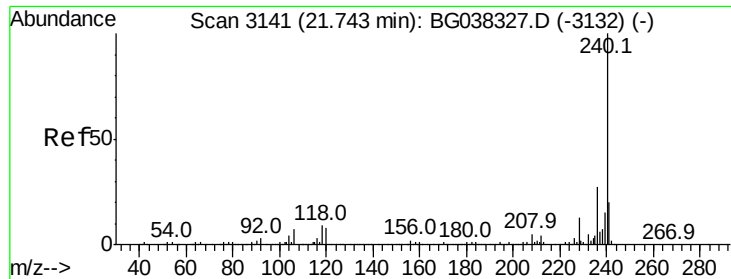


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

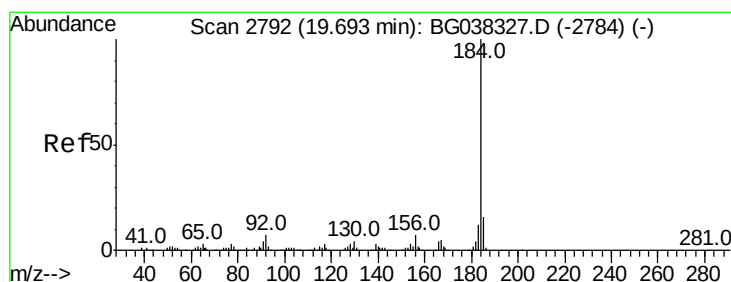
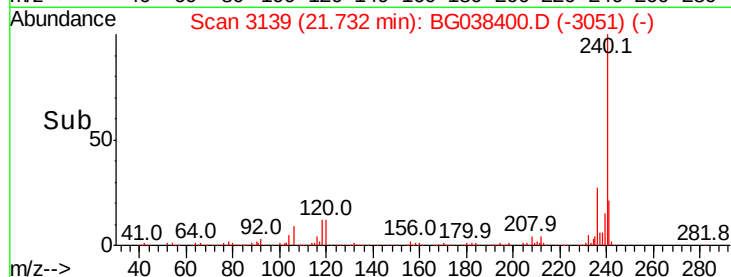
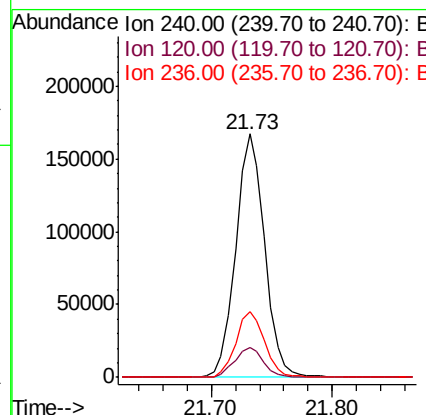
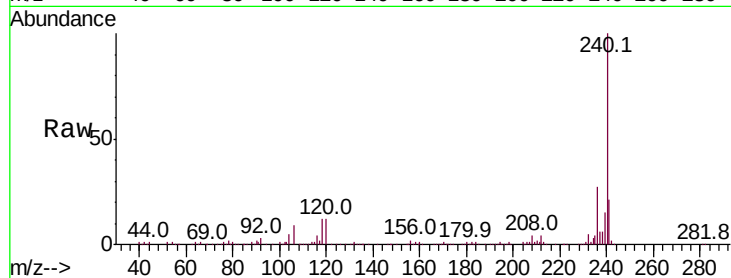




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038400.D
Acq: 7 Dec 2018 3:03

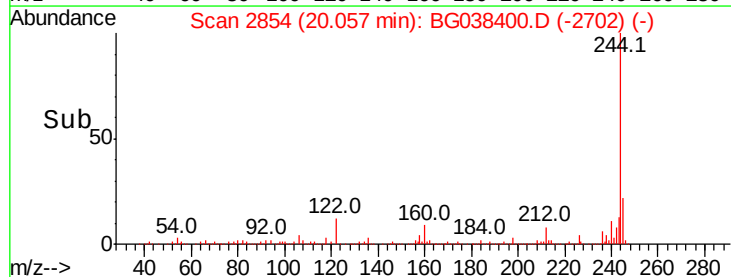
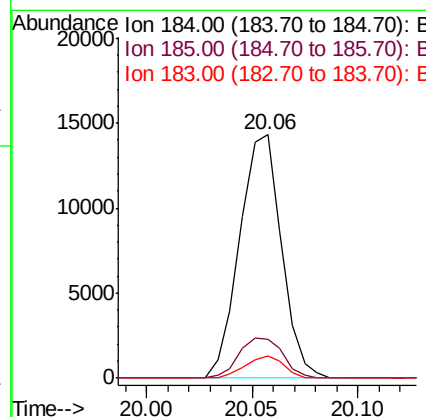
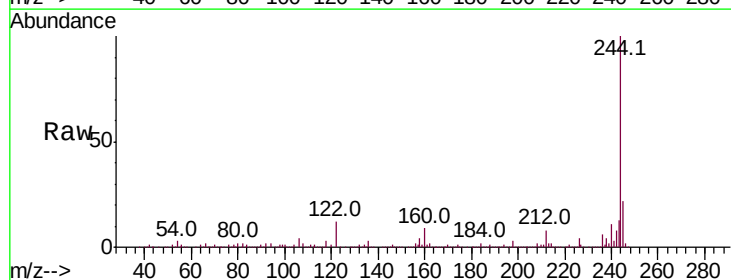
Instrument :
BNA_G
ClientSampleId :

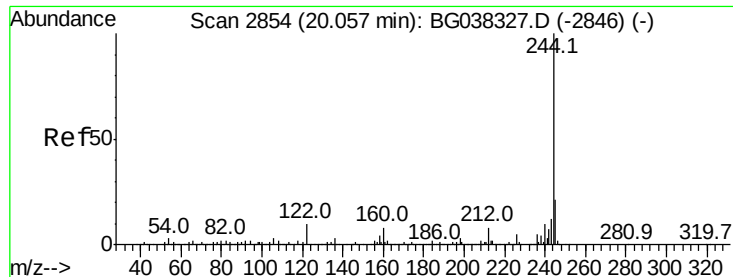
Tot Ion:240 Resp: 278331
Ion Ratio Lower Upper
240 100
120 12.4 8.1 12.1#
236 26.8 21.4 32.0



#77
Benzidine
Concen: 2.090 ng
RT: 20.06 min Scan# 2854
Delta R.T. 0.36 min
Lab File: BG038400.D
Acq: 7 Dec 2018 3:03

Tgt Ion:184 Resp: 19626
Ion Ratio Lower Upper
184 100
185 16.1 12.6 18.8
183 8.9 10.2 15.2#





#79

Terphenyl-d14

Concen: 91.199 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG038400.D

Acq: 7 Dec 2018 3:03

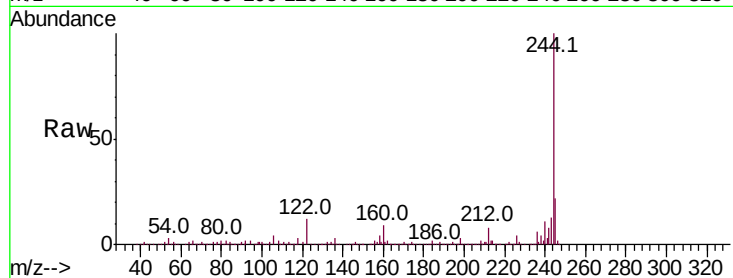
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1184900

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	11.7	9.0	13.4

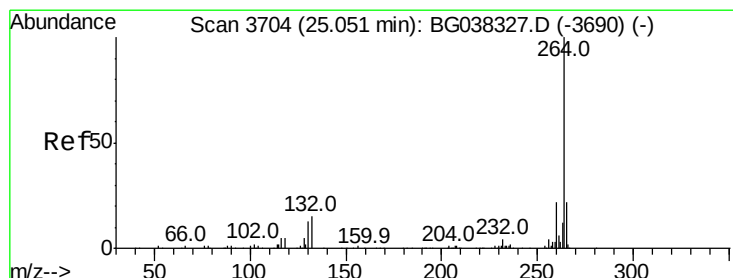
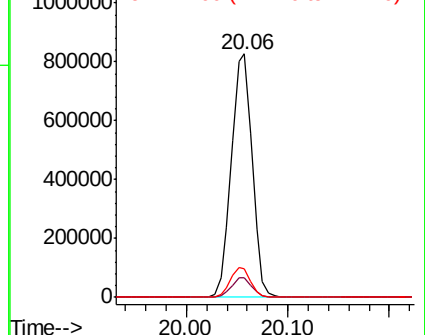
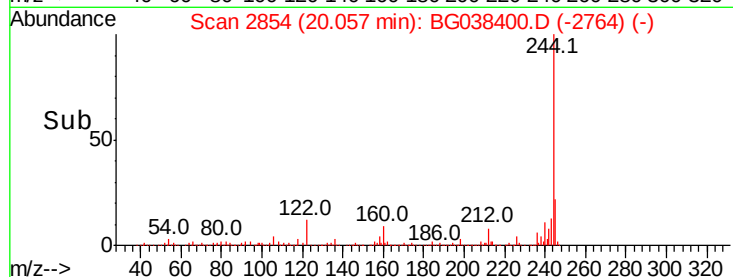


Abundance

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

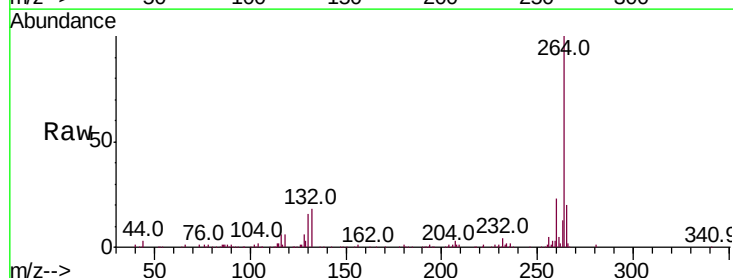
Delta R.T. -0.01 min

Lab File: BG038400.D

Acq: 7 Dec 2018 3:03

Tgt Ion:264 Resp: 280716

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.4
265	20.5	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

