

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038279.D
 Acq On : 1 Dec 2018 5:50
 Operator : JU/SJ
 Sample : J6129-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 112818-CHDE-F-D-B

Quant Time: Dec 03 00:01:00 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

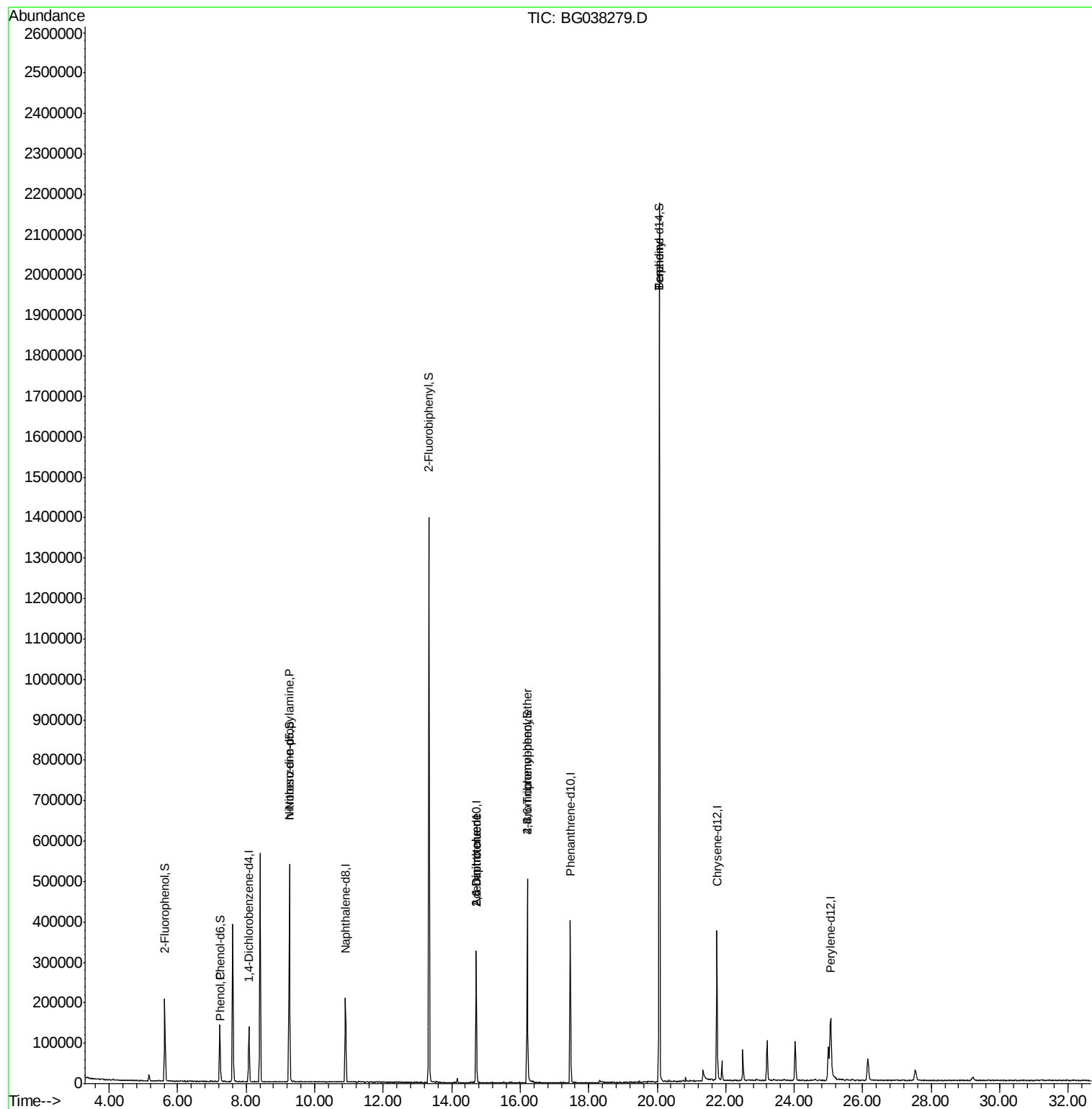
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	40355	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	184149	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	115910	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	255428	20.00	ng	0.00
76) Chrysene-d12	21.74	240	241155	20.00	ng	0.00
87) Perylene-d12	25.06	264	223375	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	95561	40.89	ng	0.00
7) Phenol-d6	7.23	99	83290	24.96	ng	0.00
23) Nitrobenzene-d5	9.26	82	333383	96.91	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	96944	73.34	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	758201	95.30	ng	0.00
79) Terphenyl-d14	20.06	244	1057730	103.21	ng	0.00
Target Compounds						
10) Phenol	7.26	94	9719	2.750	ng	94
19) n-Nitroso-di-n-propylamine	9.26	70	43264	17.921	ng	# 75
51) 2,6-Dinitrotoluene	14.72	165	14823	7.127	ng	# 27
57) 2,4-Dinitrotoluene	14.72	165	14823	5.238	ng	# 27
67) 4-Bromophenyl-phenylether	16.20	248	6832	2.437	ng	# 1
77) Benzidine	20.06	184	18415	2.176	ng	# 92

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

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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
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.08 min Scan# 816

Delta R.T. -0.00 min

Lab File: BG038279.D

Acq: 1 Dec 2018 5:50

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-B

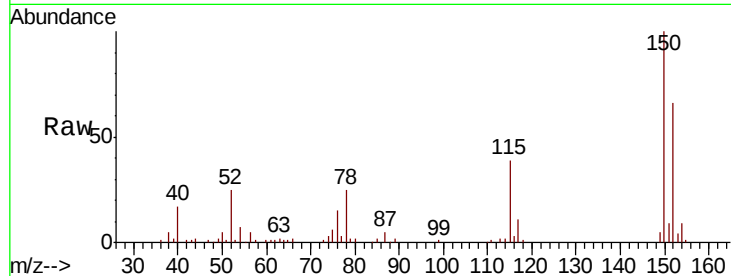
Tot Ion:152 Resp: 40355

Ion Ratio Lower Upper

152 100

150 152.2 126.0 189.0

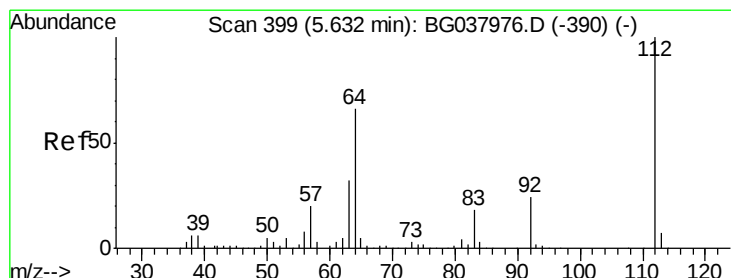
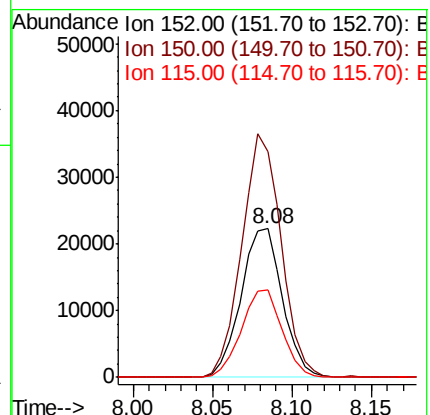
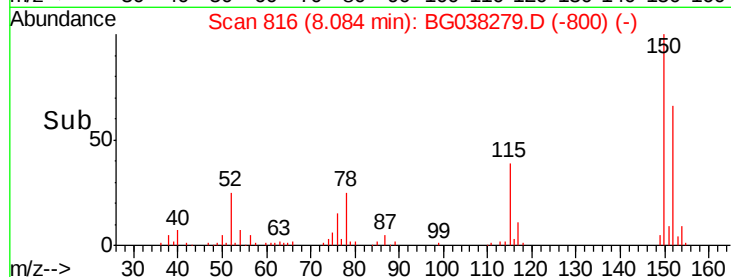
115 58.8 45.5 68.3



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: 40.885 ng

RT: 5.63 min Scan# 398

Delta R.T. -0.00 min

Lab File: BG038279.D

Acq: 1 Dec 2018 5:50

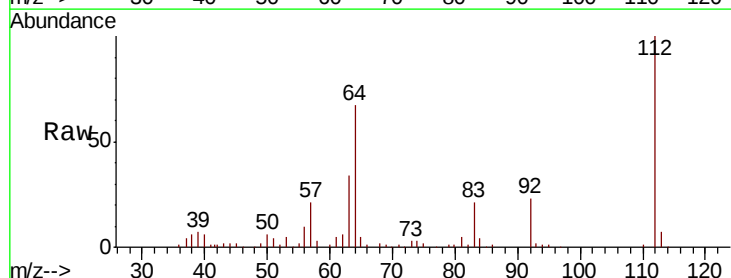
Tgt Ion:112 Resp: 95561

Ion Ratio Lower Upper

112 100

64 67.4 53.1 79.7

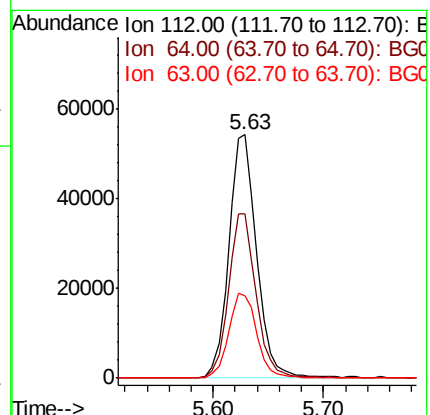
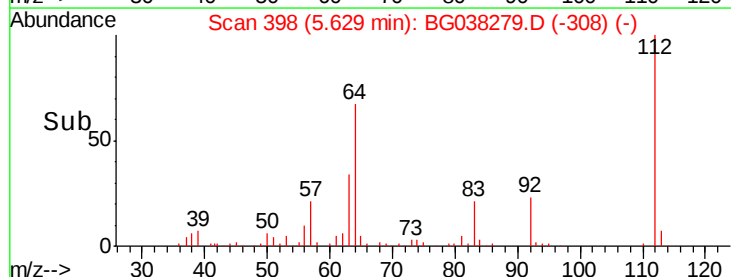
63 33.9 27.3 40.9

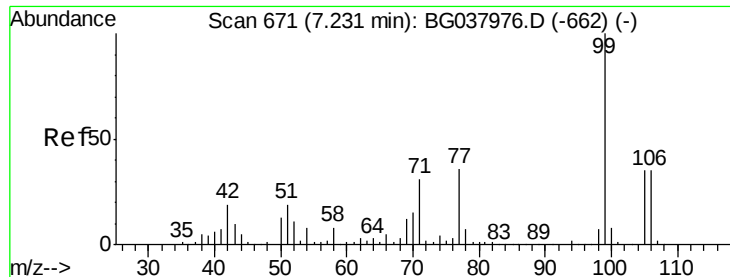


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 24.964 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038279.D

Acq: 1 Dec 2018 5:50

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-B

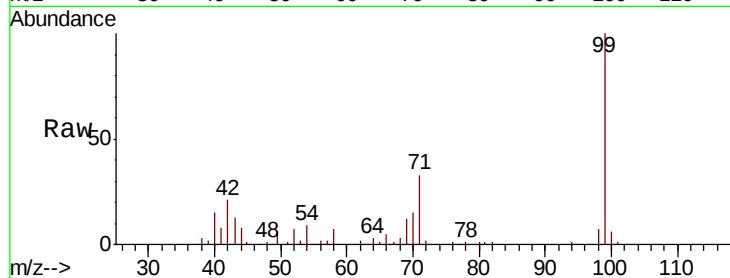
Tot Ion: 99 Resp: 83290

Ion Ratio Lower Upper

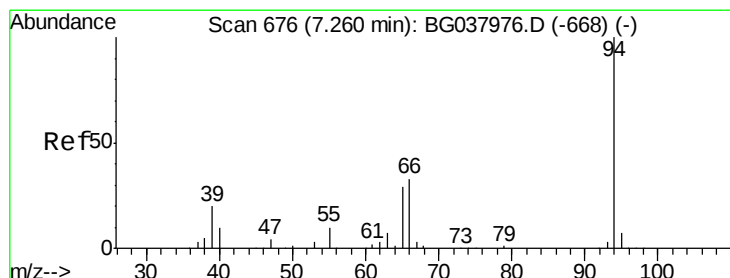
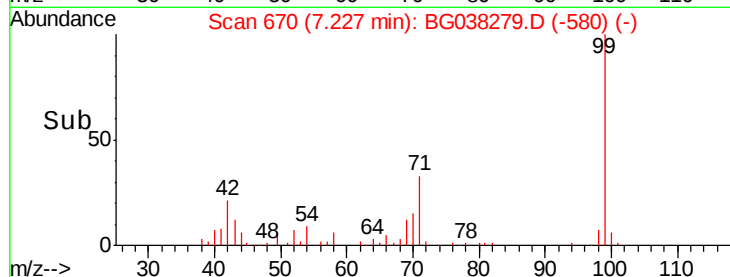
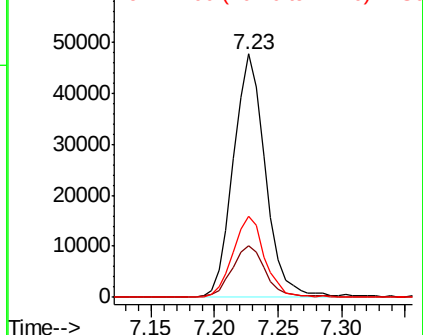
99 100

42 21.2 15.0 22.4

71 33.3 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: 2.750 ng

RT: 7.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG038279.D

Acq: 1 Dec 2018 5:50

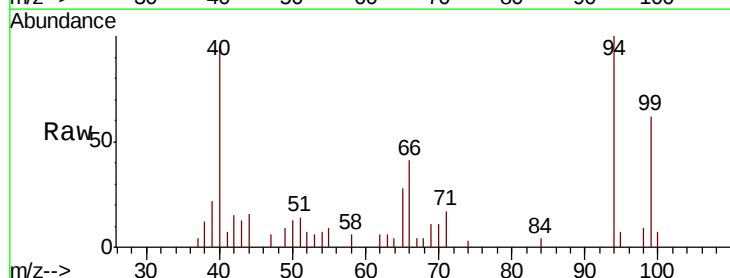
Tgt Ion: 94 Resp: 9719

Ion Ratio Lower Upper

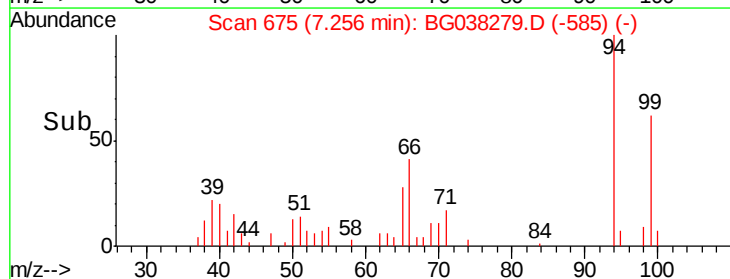
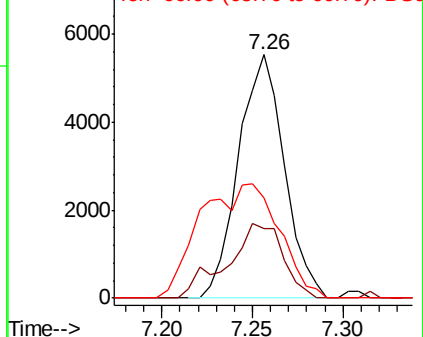
94 100

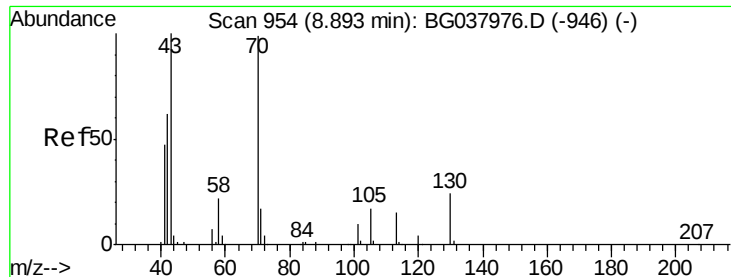
65 28.5 9.7 49.7

66 41.0 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

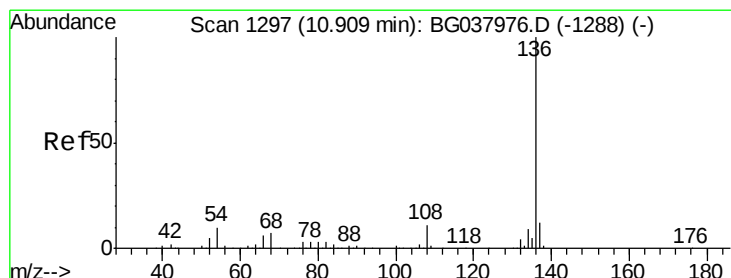
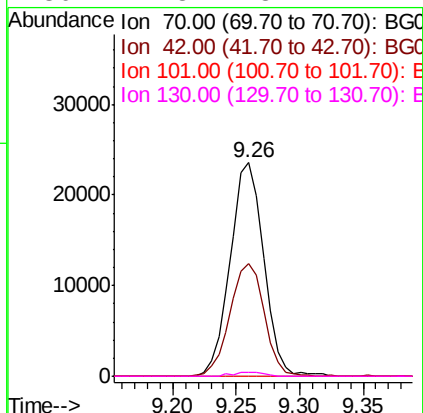
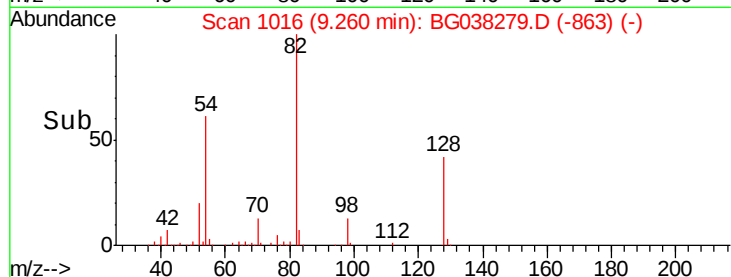
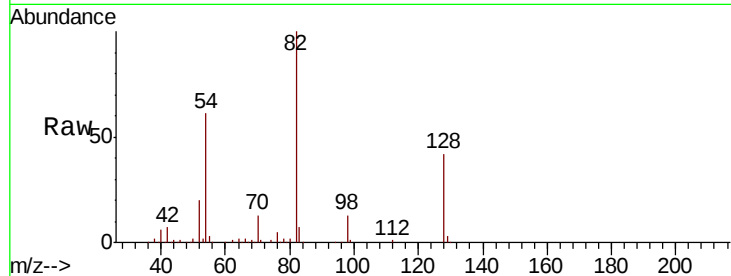




#19
n-Nitroso-di-n-propylamine
Concen: 17.921 ng
RT: 9.26 min Scan# 1016
Delta R.T. 0.37 min
Lab File: BG038279.D
Acq: 1 Dec 2018 5:50

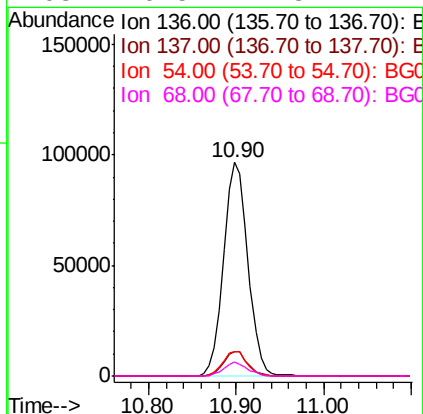
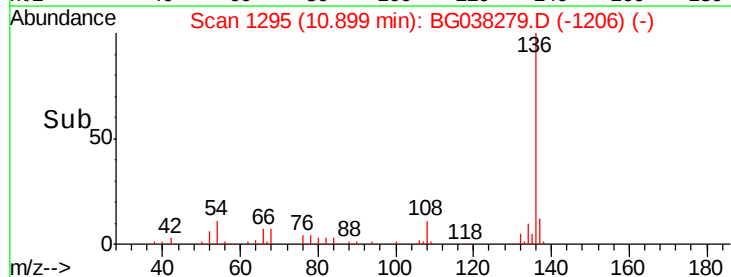
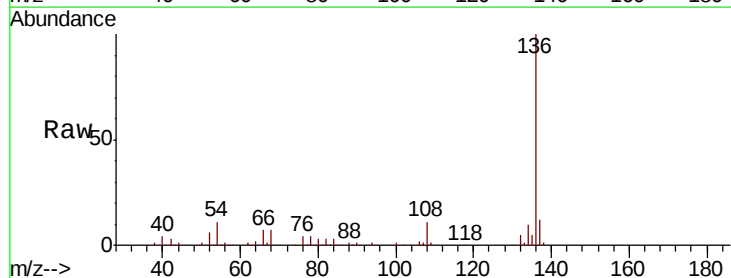
Instrument :
BNA_G
ClientSampleId :
112818-CHDE-F-D-B

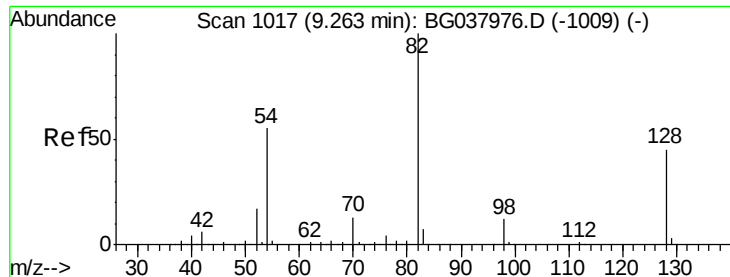
Tot Ion: 70 Resp: 43264
Ion Ratio Lower Upper
70 100
42 52.5 53.9 80.9#
101 0.0 8.2 12.2#
130 1.8 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG038279.D
Acq: 1 Dec 2018 5:50

Tgt Ion: 136 Resp: 184149
Ion Ratio Lower Upper
136 100
137 11.6 9.6 14.4
54 11.1 7.9 11.9
68 6.5 4.8 7.2

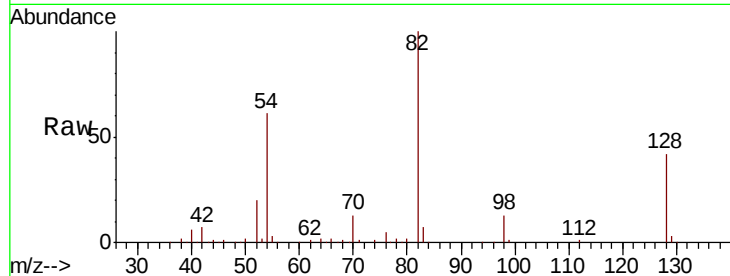




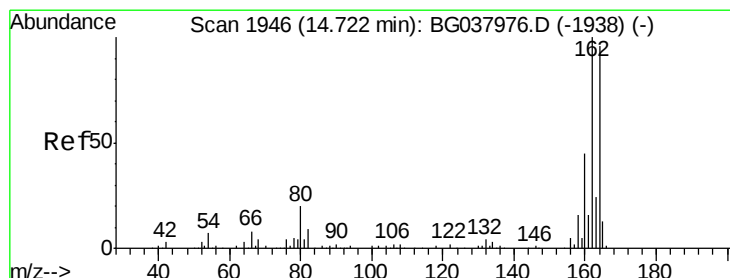
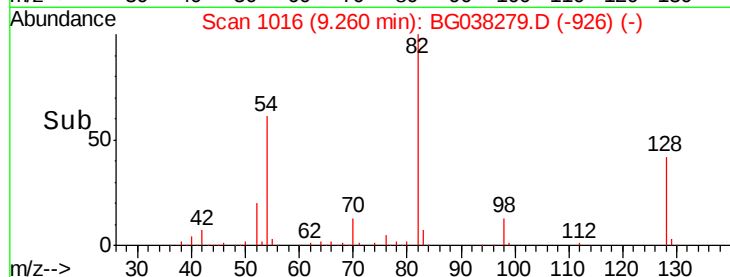
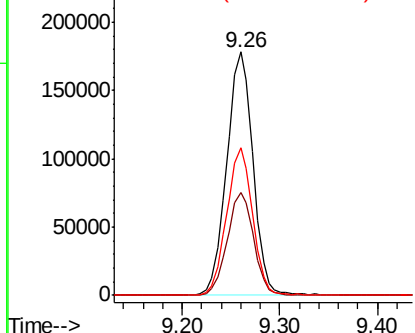
#23
Nitrobenzene-d5
Concen: 96.911 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG038279.D
Acq: 1 Dec 2018 5:50

Instrument :
BNA_G
ClientSampleId :
112818-CHDE-F-D-B

Tot Ion: 82 Resp: 333383
Ion Ratio Lower Upper
82 100
128 42.3 34.6 51.8
54 60.5 45.3 67.9

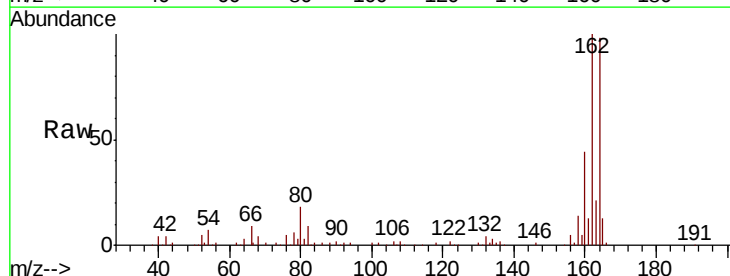


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

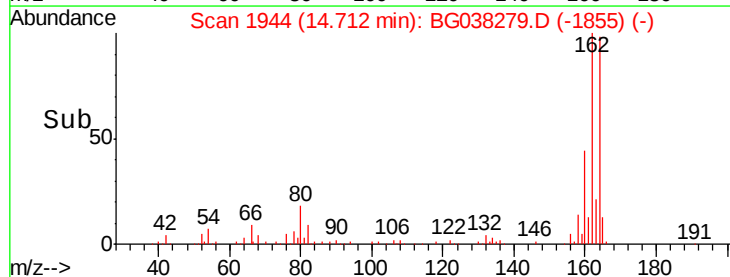
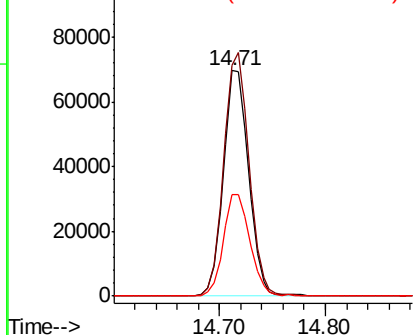


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG038279.D
Acq: 1 Dec 2018 5:50

Tgt Ion: 164 Resp: 115910
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 44.9 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

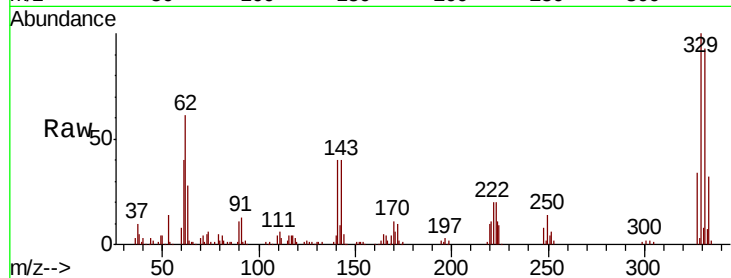




#42
 2,4,6-Tribromophenol
 Concen: 73.335 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG038279.D
 Acq: 1 Dec 2018 5:50

Instrument :
 BNA_G
 ClientSampleId :
 112818-CHDE-F-D-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.4	117.6
141	41.2	32.2	48.2

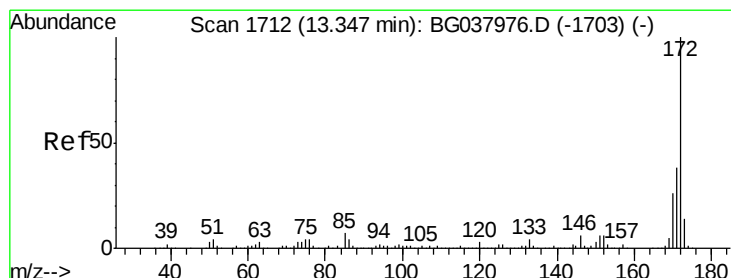
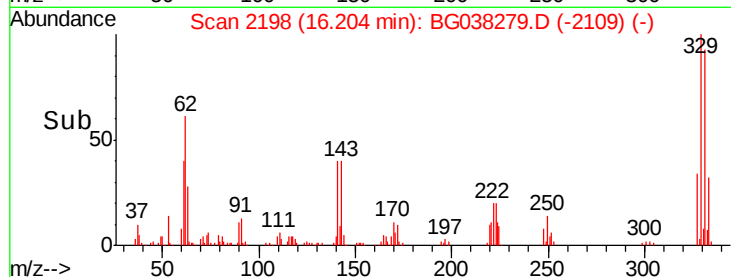
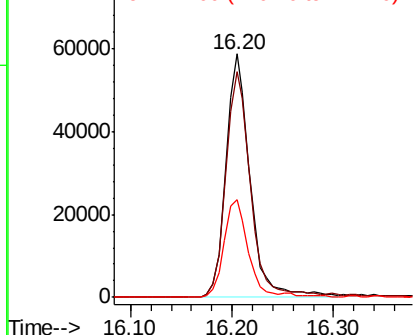


Abundance

Ion 329.80 (329.50 to 330.50): E

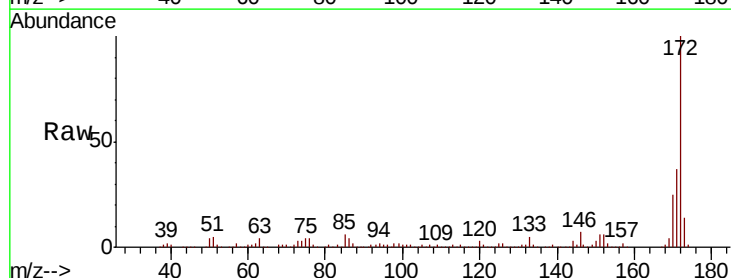
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.297 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038279.D
 Acq: 1 Dec 2018 5:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.0	46.4
170	24.7	20.2	30.2

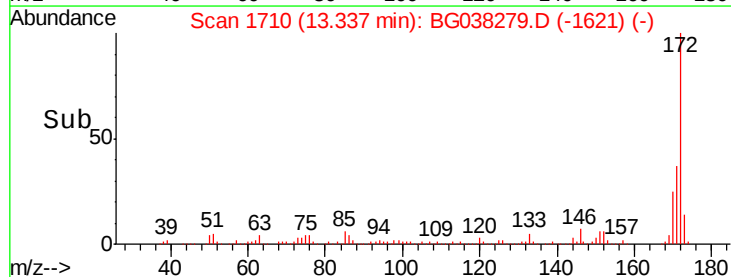
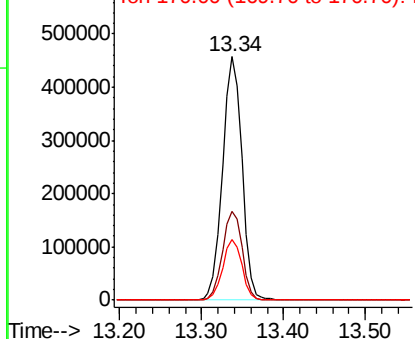


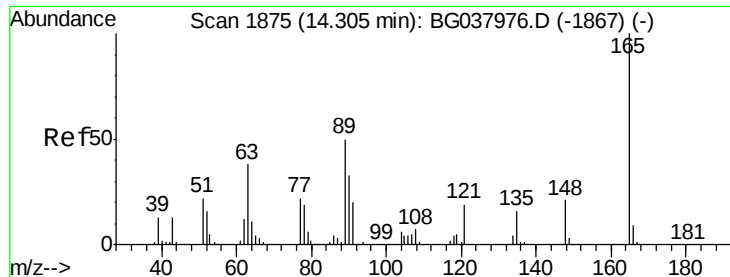
Abundance

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

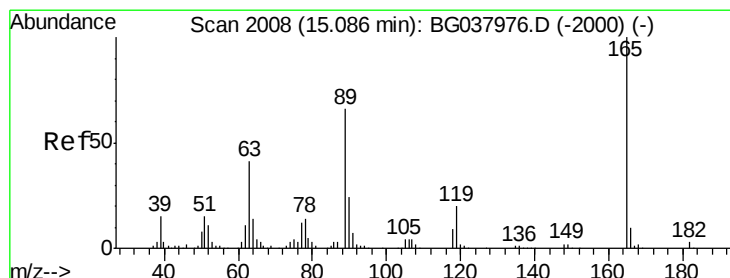
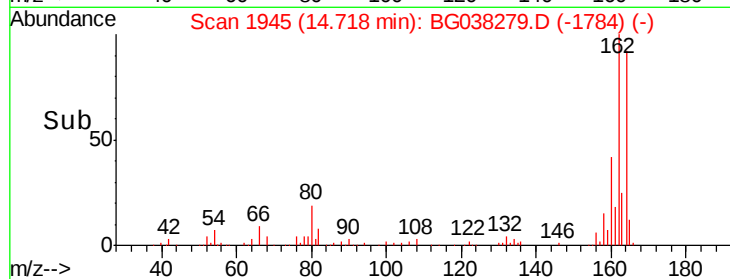
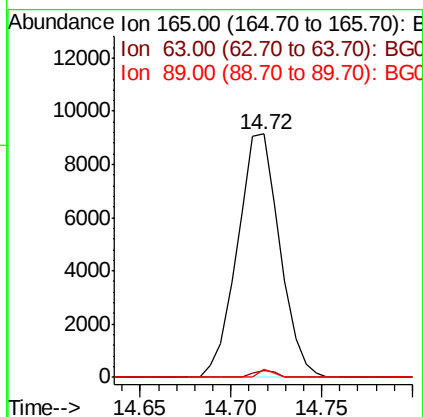
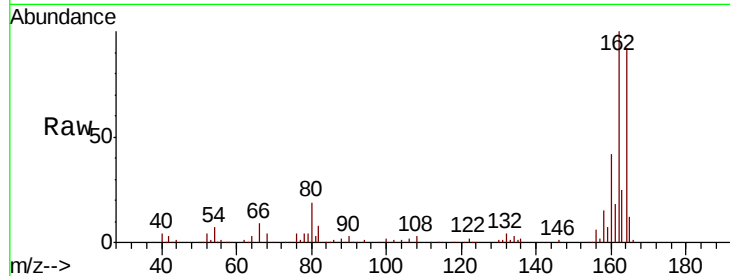




#51
 2,6-Dinitrotoluene
 Concen: 7.127 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038279.D
 Acq: 1 Dec 2018 5:50

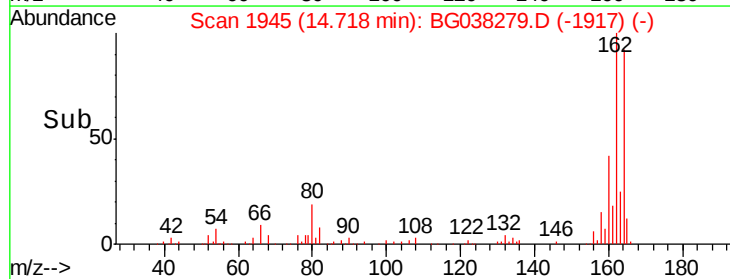
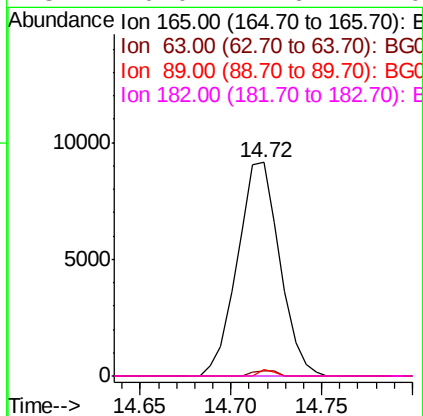
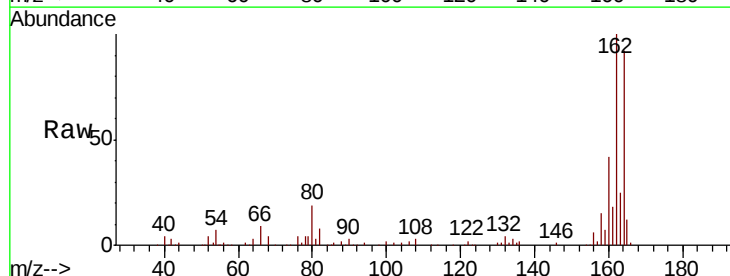
Instrument :
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Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	43.4	65.2#
89	3.1	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.238 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038279.D
 Acq: 1 Dec 2018 5:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	33.4	50.0#
89	3.1	57.2	85.8#
182	0.0	2.6	4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BG038279.D

Acq: 1 Dec 2018 5:50

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-B

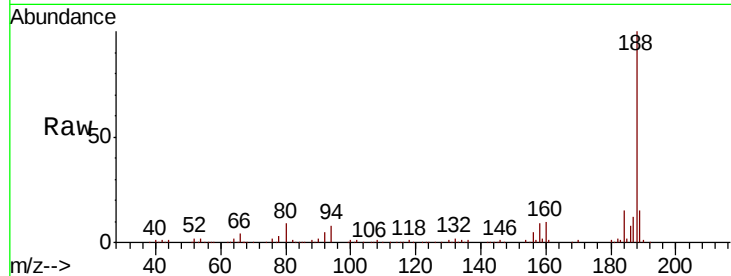
Tot Ion:188 Resp: 255428

Ion Ratio Lower Upper

188 100

94 8.2 7.2 10.8

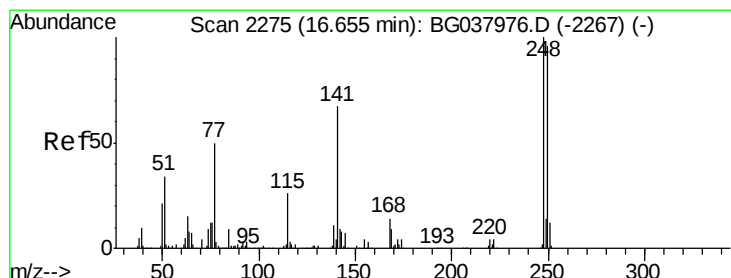
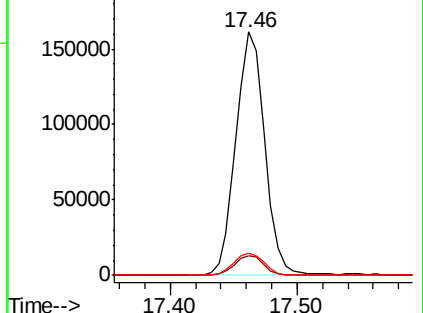
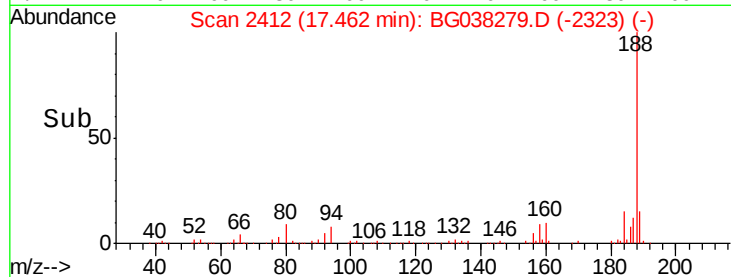
80 9.3 7.7 11.5



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: 2.437 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.45 min

Lab File: BG038279.D

Acq: 1 Dec 2018 5:50

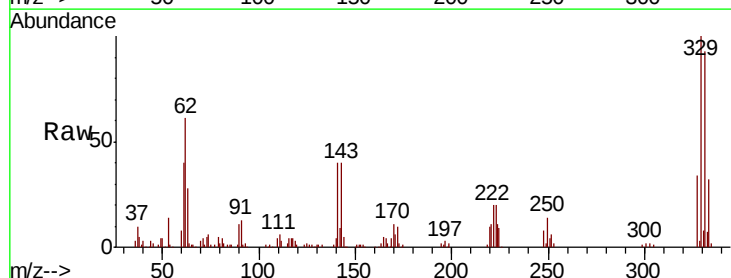
Tgt Ion:248 Resp: 6832

Ion Ratio Lower Upper

248 100

250 179.6 77.0 115.6#

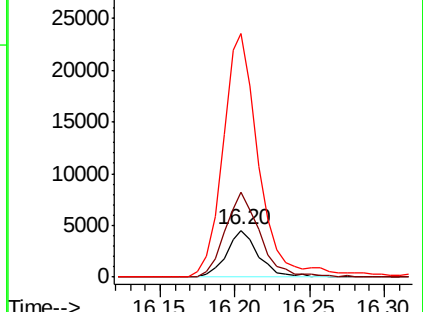
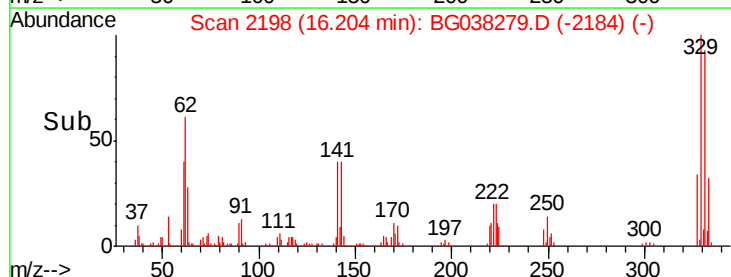
141 406.2 55.5 83.3#



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

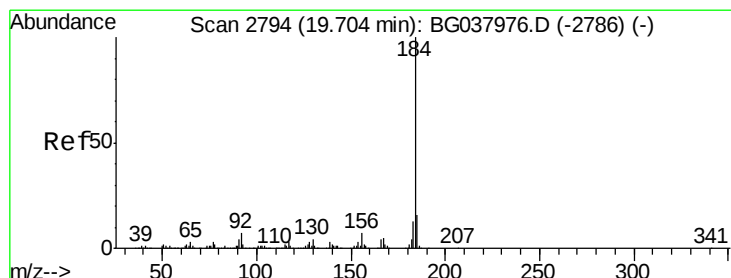
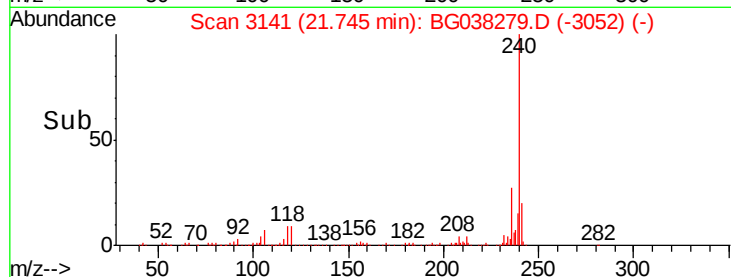
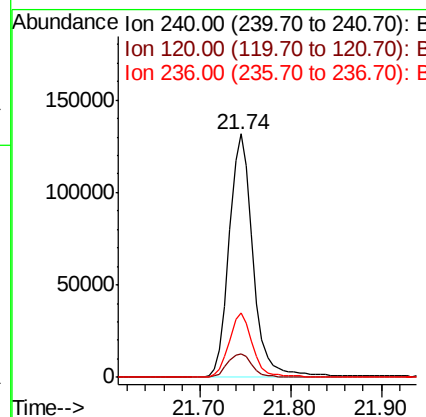
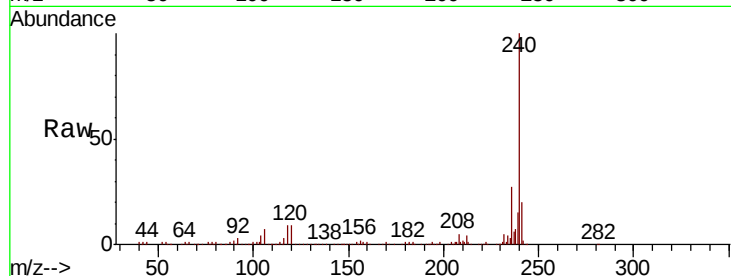




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG038279.D
Acq: 1 Dec 2018 5:50

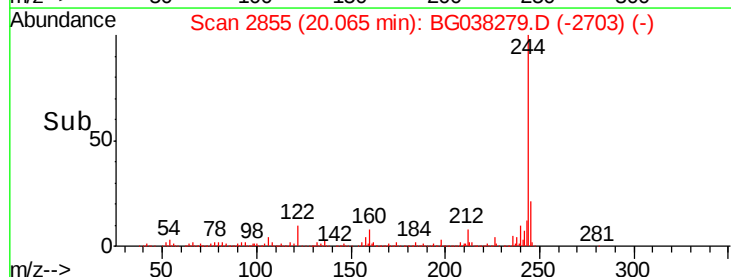
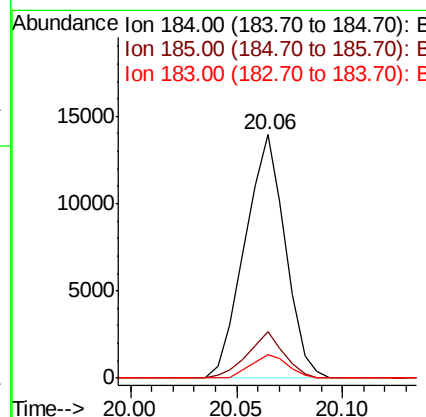
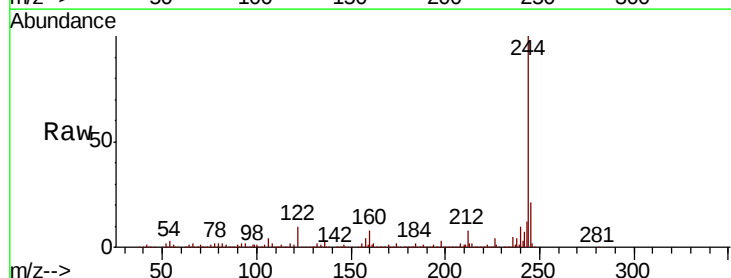
Instrument :
BNA_G
ClientSampleId :
112818-CHDE-F-D-B

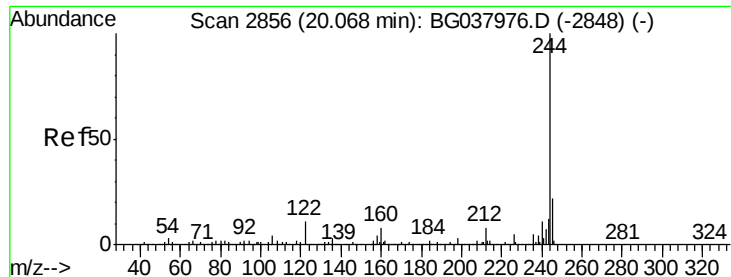
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.1	12.1
236	26.6	21.4	32.0



#77
Benzidine
Concen: 2.176 ng
RT: 20.06 min Scan# 2855
Delta R.T. 0.36 min
Lab File: BG038279.D
Acq: 1 Dec 2018 5:50

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.8	12.6	18.8
183	9.5	10.2	15.2#





#79

Terphenyl-d14

Concen: 103.205 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038279.D

Acq: 1 Dec 2018 5:50

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-B

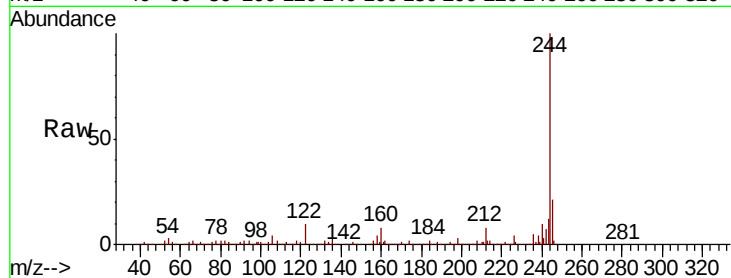
Tot Ion:244 Resp: 1057730

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

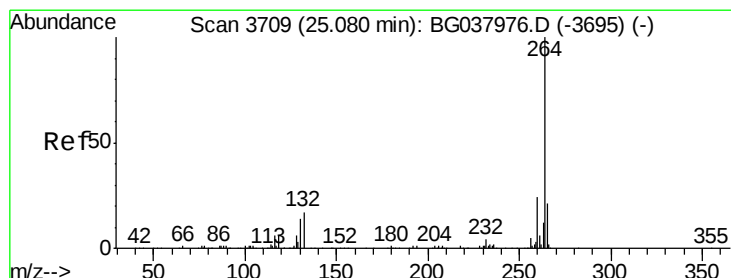
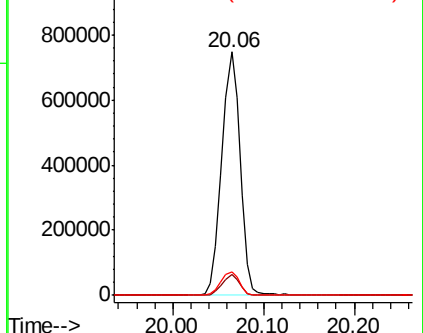
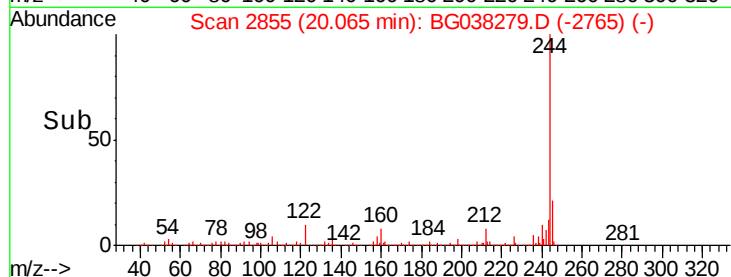
122 9.6 9.0 13.4



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: 25.06 min Scan# 3706

Delta R.T. -0.02 min

Lab File: BG038279.D

Acq: 1 Dec 2018 5:50

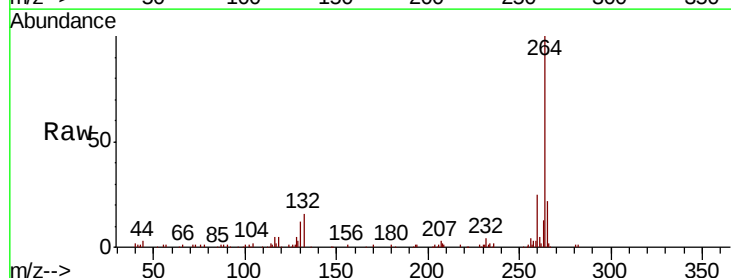
Tgt Ion:264 Resp: 223375

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.4

265 22.0 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

