

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121418\
 Data File : BG038595.D
 Acq On : 15 Dec 2018 8:56
 Operator : JU/SJ
 Sample : J6326-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 120618-DBRI-F-U-B

Quant Time: Dec 16 00:13:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24293	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	103195	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	69161	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	172656	20.00	ng	0.00
76) Chrysene-d12	21.72	240	178182	20.00	ng	0.00
87) Perylene-d12	25.02	264	182617	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	57597	42.05	ng	0.00
7) Phenol-d6	7.21	99	48817	25.96	ng	0.00
23) Nitrobenzene-d5	9.23	82	194740	96.41	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	82860	86.93	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	477359	94.69	ng	0.00
79) Terphenyl-d14	20.05	244	825722	100.85	ng	0.00

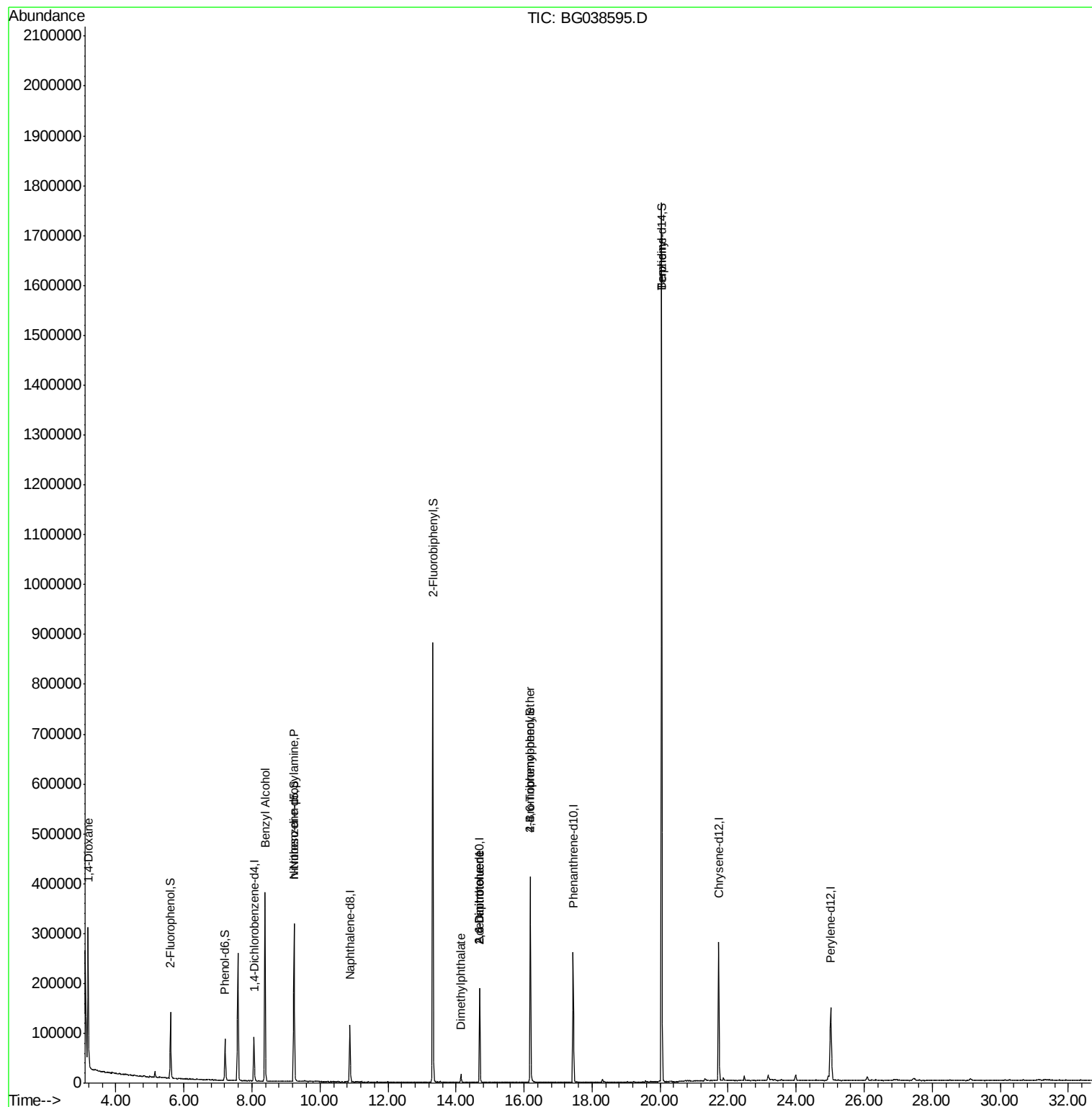
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	2634	4.132	ng	# 1
15) Benzyl Alcohol	8.38	79	3185	2.170	ng	# 62
19) n-Nitroso-di-n-propylamine	9.23	70	26482	20.053	ng	# 71
50) Dimethylphthalate	14.15	163	14160	2.507	ng	# 96
51) 2,6-Dinitrotoluene	14.69	165	9002	7.033	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9002	4.994	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	5452	2.586	ng	# 1
77) Benzidine	20.05	184	14647	2.780	ng	97

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

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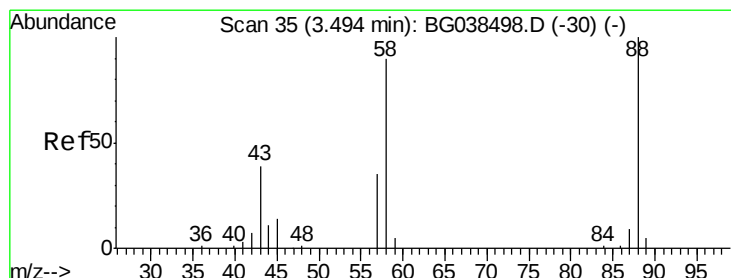
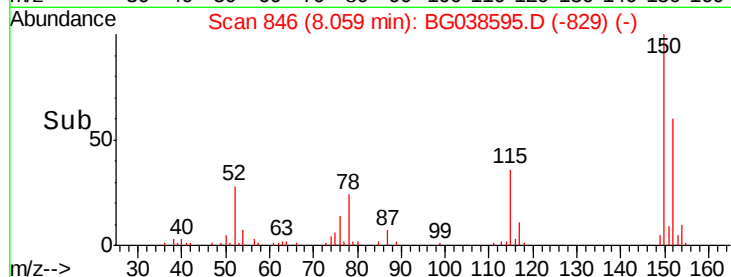
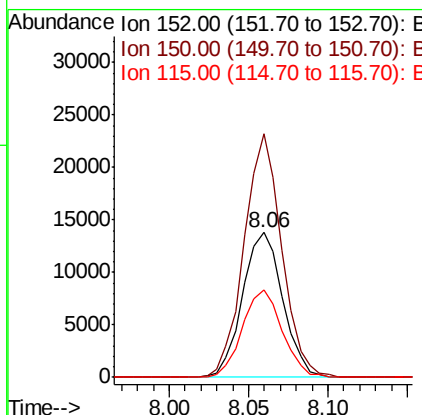
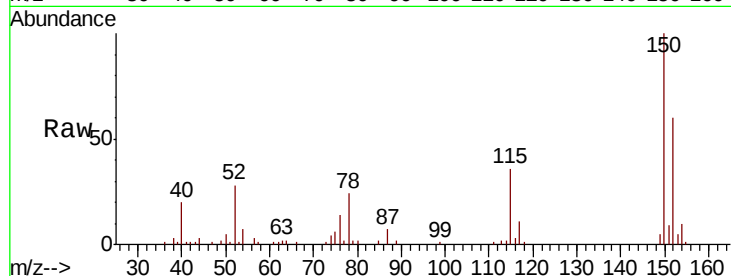




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038595.D
 Acq: 15 Dec 2018 8:56

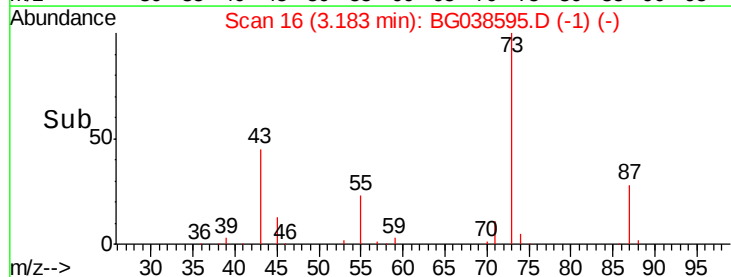
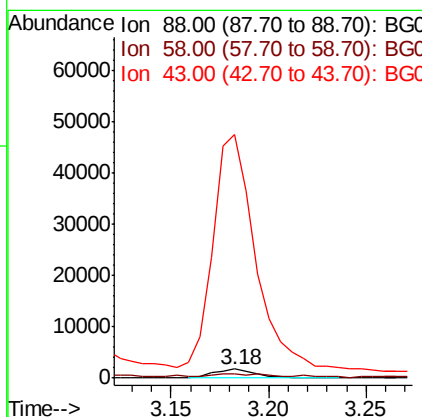
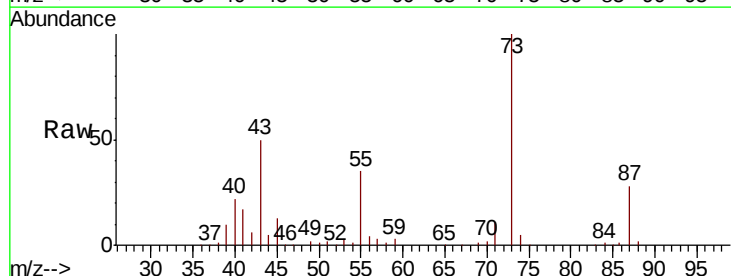
Instrument :
 BNA_G
 ClientSampleId :
 120618-DBRI-F-U-B

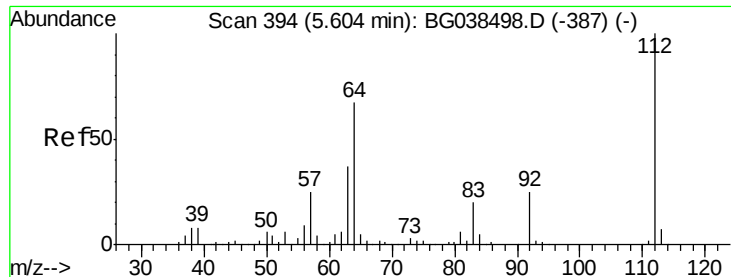
Tgt Ion:152 Resp: 24293
 Ion Ratio Lower Upper
 152 100
 150 168.0 119.5 179.3
 115 60.6 49.6 74.4



#2
 1,4-Dioxane
 Concen: 4.132 ng
 RT: 3.18 min Scan# 16
 Delta R.T. -0.31 min
 Lab File: BG038595.D
 Acq: 15 Dec 2018 8:56

Tgt Ion: 88 Resp: 2634
 Ion Ratio Lower Upper
 88 100
 58 64.5 75.7 113.5#
 43 2709.6 31.6 47.4#





#5

2-Fluorophenol

Concen: 42.052 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038595.D

Acq: 15 Dec 2018 8:56

Instrument :

BNA_G

ClientSampleId :

120618-DBRI-F-U-B

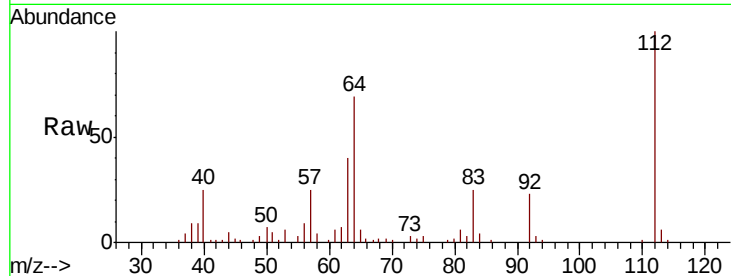
Tgt Ion: 112 Resp: 57597

Ion Ratio Lower Upper

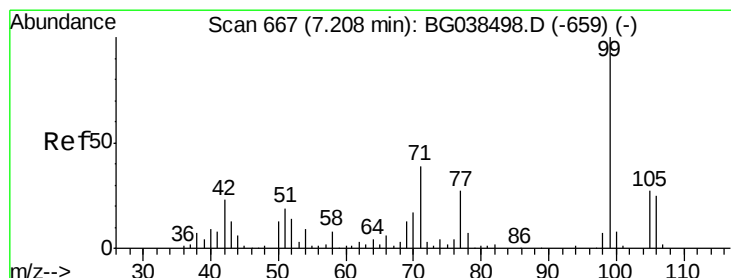
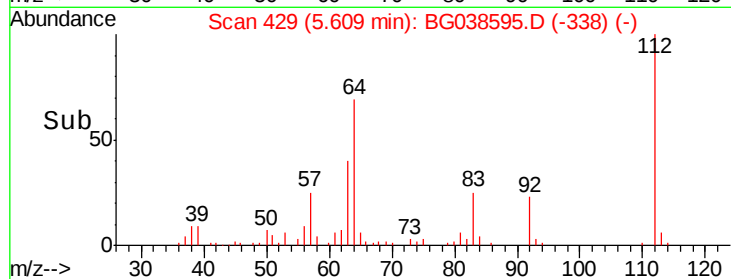
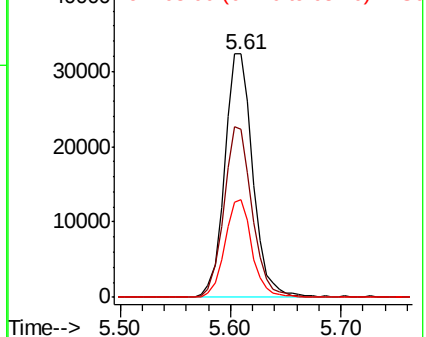
112 100

64 69.0 53.4 80.2

63 39.9 29.3 43.9



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



#7

Phenol-d6

Concen: 25.963 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038595.D

Acq: 15 Dec 2018 8:56

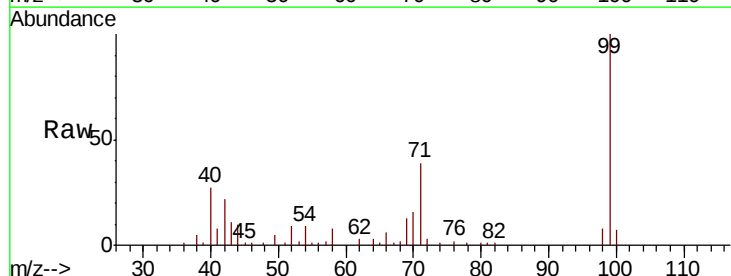
Tgt Ion: 99 Resp: 48817

Ion Ratio Lower Upper

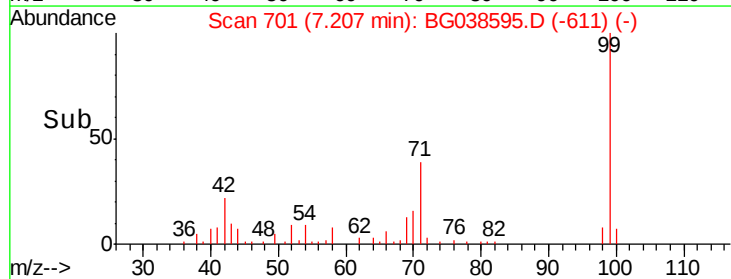
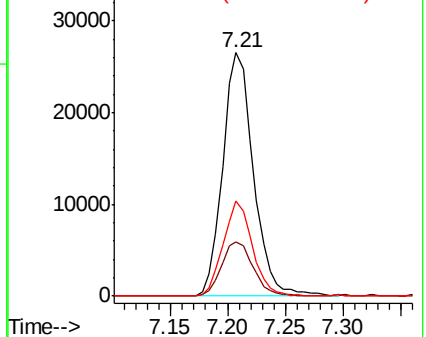
99 100

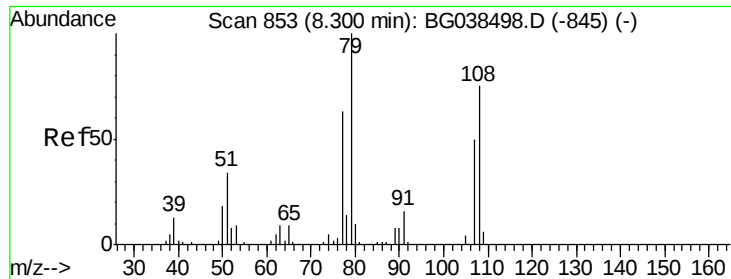
42 22.3 18.5 27.7

71 39.1 31.1 46.7



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





#15

Benzyl Alcohol

Concen: 2.170 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038595.D

Acq: 15 Dec 2018 8:56

Instrument :

BNA_G

ClientSampleId :

120618-DBRI-F-U-B

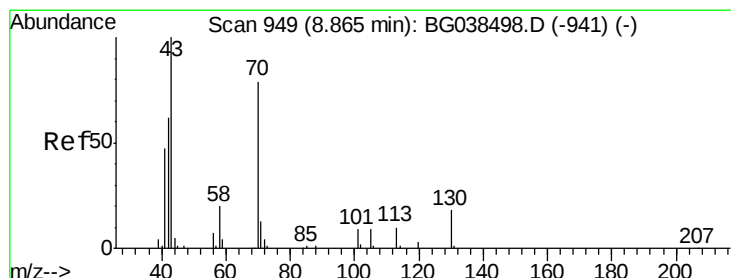
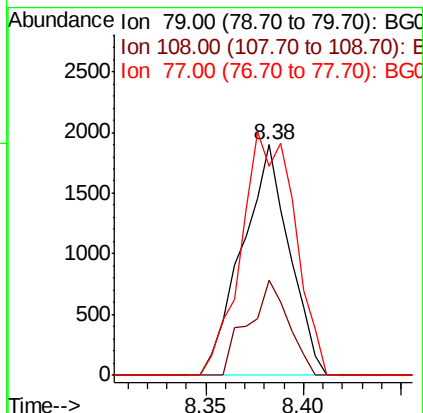
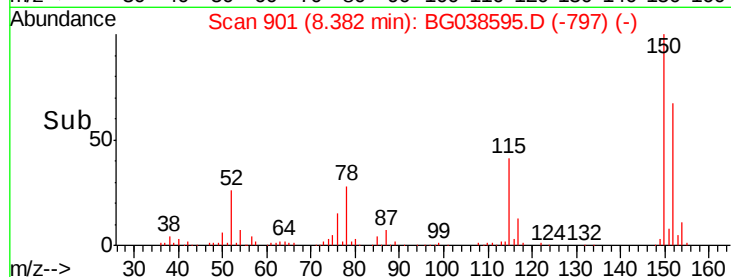
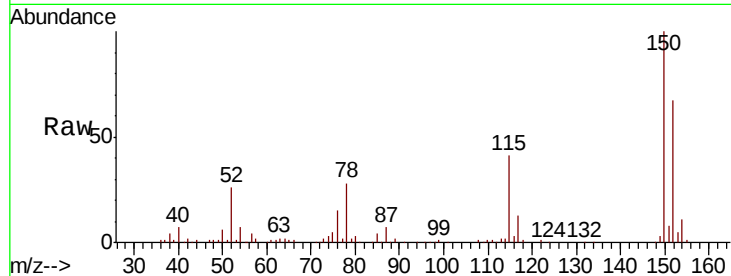
Tgt Ion: 79 Resp: 3185

Ion Ratio Lower Upper

79 100

108 41.1 60.2 90.4#

77 90.7 50.7 76.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.053 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038595.D

Acq: 15 Dec 2018 8:56

Tgt Ion: 70 Resp: 26482

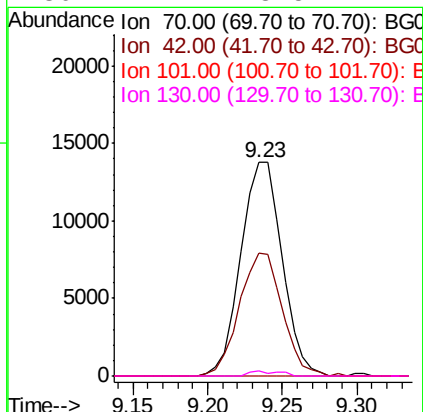
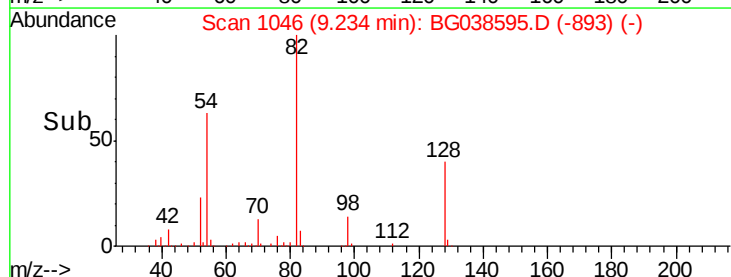
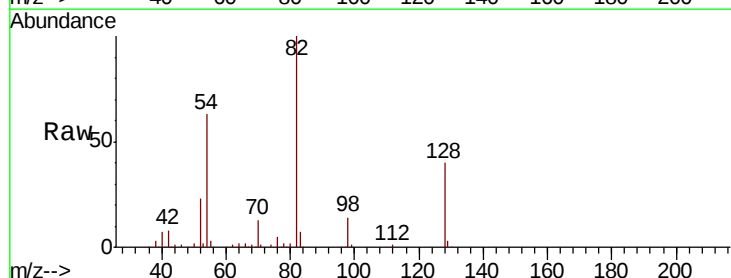
Ion Ratio Lower Upper

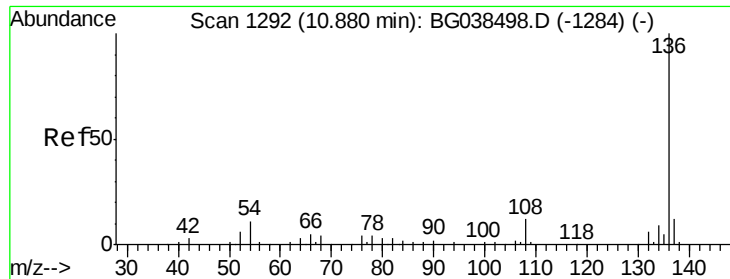
70 100

42 57.3 63.6 95.4#

101 0.0 9.2 13.8#

130 2.2 18.5 27.7#

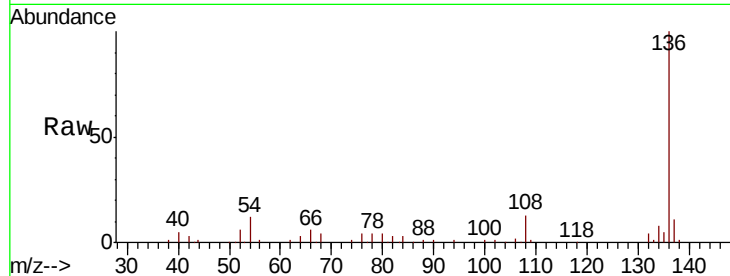




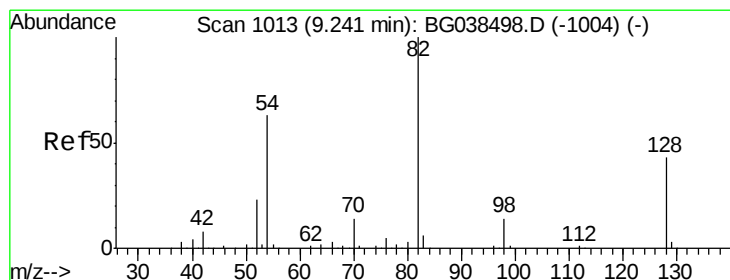
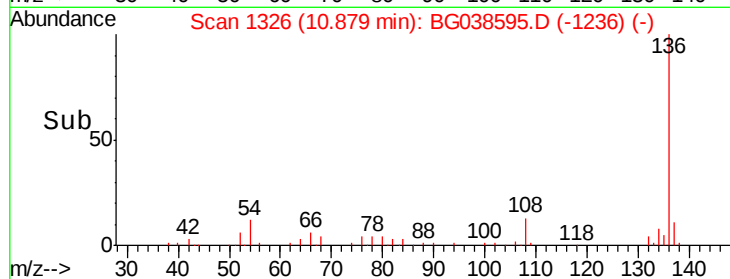
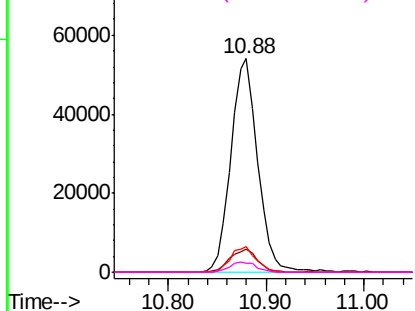
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038595.D
Acq: 15 Dec 2018 8:56

Instrument :
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120618-DBRI-F-U-B

Tgt Ion:	136	Resp:	103195
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	12.0	8.5	12.7
68	4.2	3.5	5.3

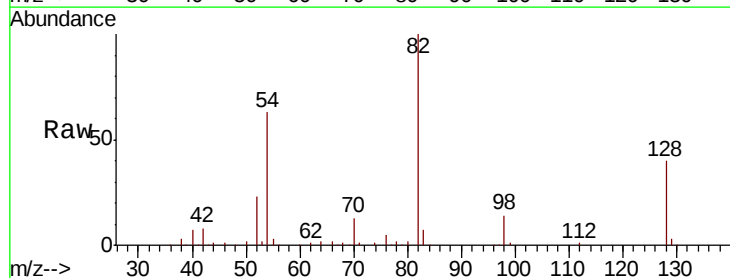


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

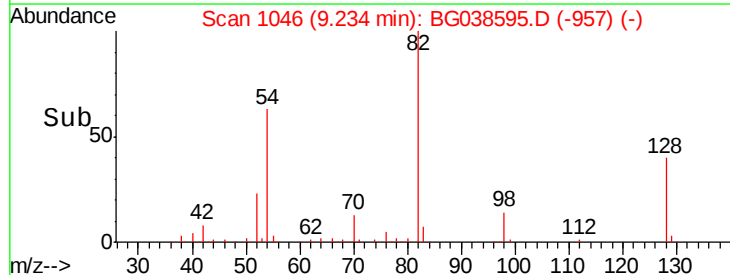
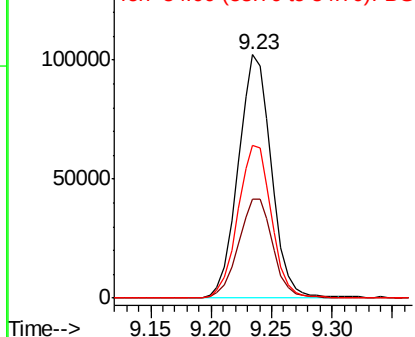


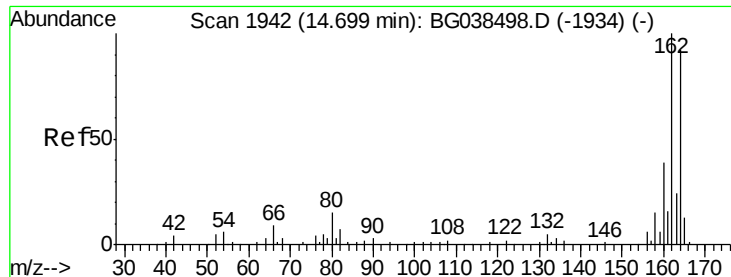
#23
Nitrobenzene-d5
Concen: 96.407 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038595.D
Acq: 15 Dec 2018 8:56

Tgt Ion:	82	Resp:	194740
Ion	Ratio	Lower	Upper
82	100		
128	40.4	34.6	52.0
54	62.9	50.6	76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038595.D

Acq: 15 Dec 2018 8:56

Instrument :

BNA_G

ClientSampleId :

120618-DBRI-F-U-B

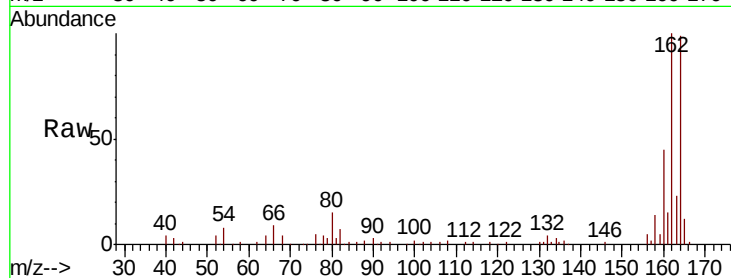
Tgt Ion:164 Resp: 69161

Ion Ratio Lower Upper

164 100

162 101.3 86.6 130.0

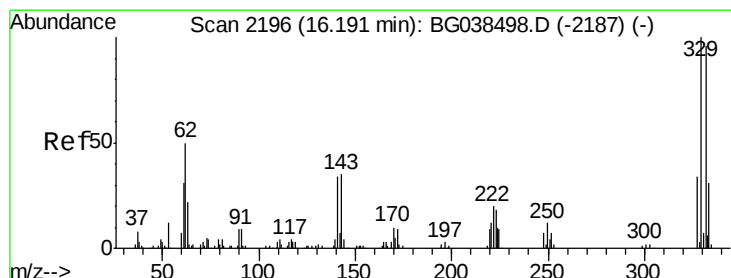
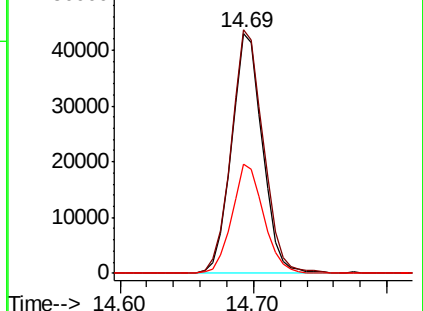
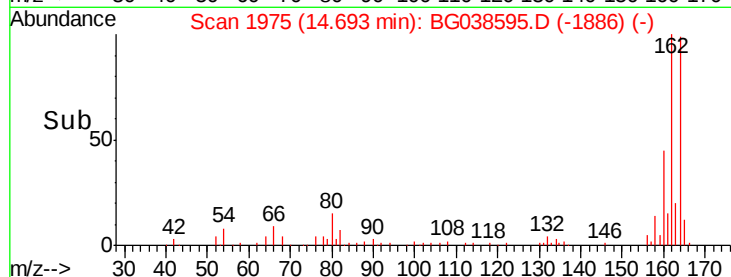
160 45.6 34.2 51.2



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: 86.932 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038595.D

Acq: 15 Dec 2018 8:56

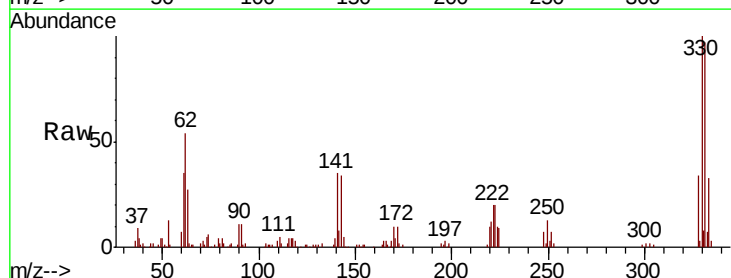
Tgt Ion:330 Resp: 82860

Ion Ratio Lower Upper

330 100

332 95.3 76.9 115.3

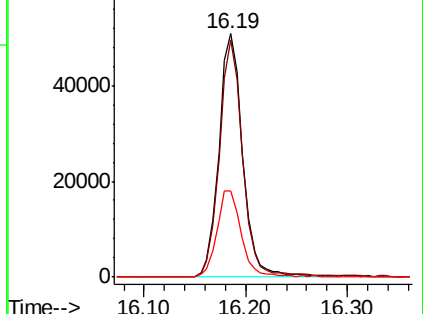
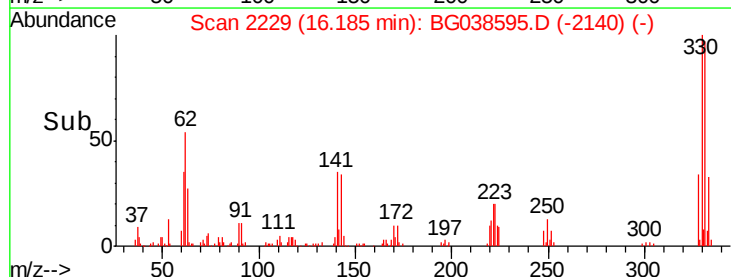
141 36.7 28.8 43.2

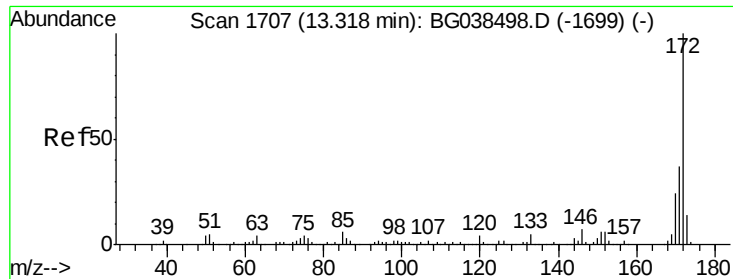


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

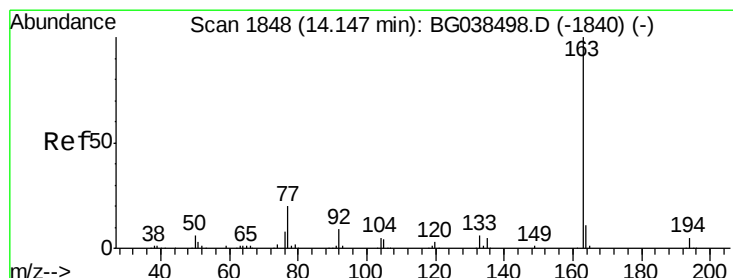
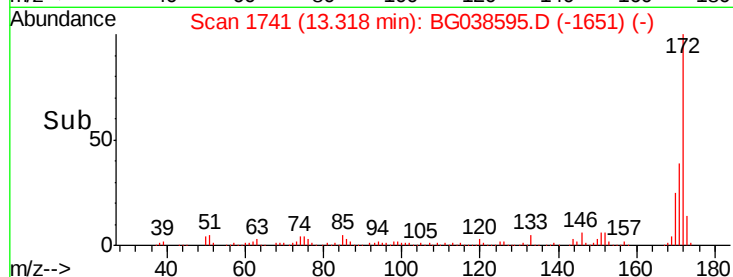
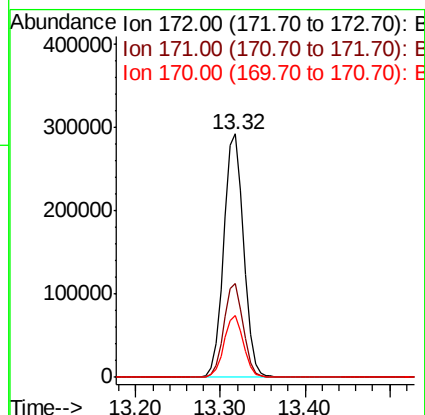
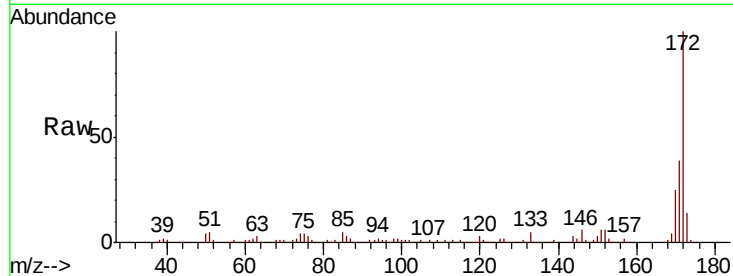




#45
 2-Fluorobiphenyl
 Concen: 94.687 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038595.D
 Acq: 15 Dec 2018 8:56

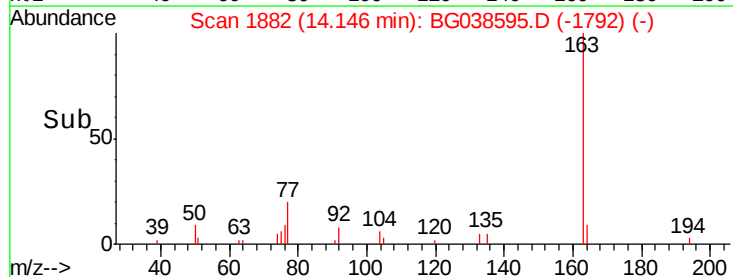
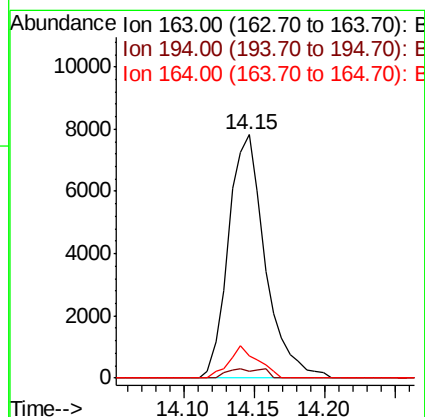
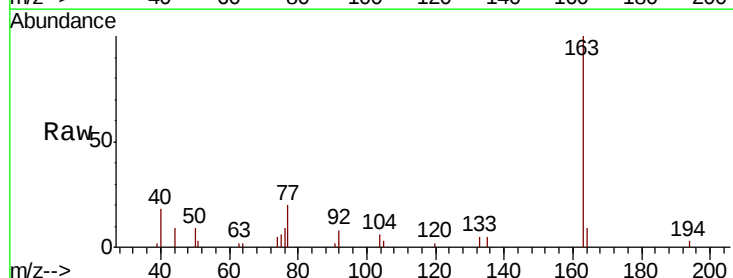
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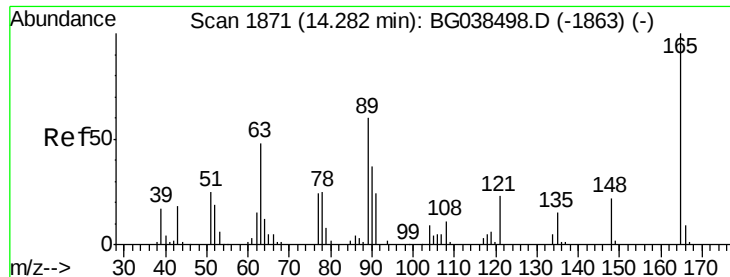
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.8	44.6
170	25.4	19.5	29.3



#50
 Dimethylphthalate
 Concen: 2.507 ng
 RT: 14.15 min Scan# 1882
 Delta R.T. -0.00 min
 Lab File: BG038595.D
 Acq: 15 Dec 2018 8:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.7	5.5#
164	9.3	8.6	12.8

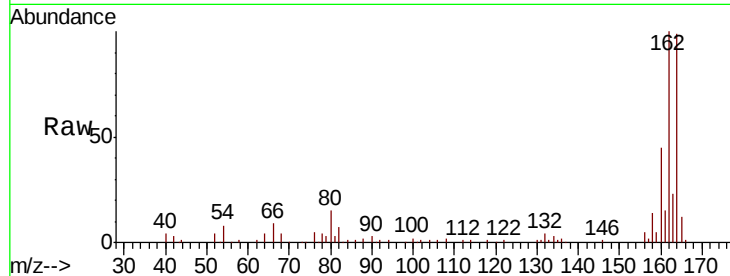




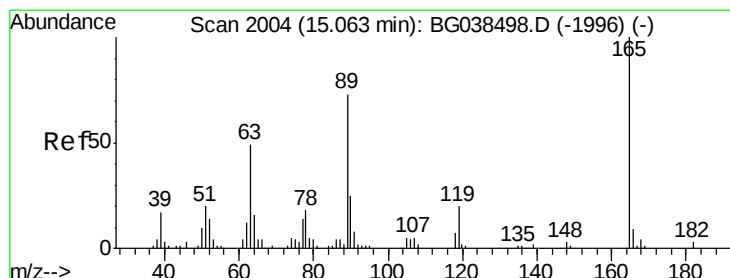
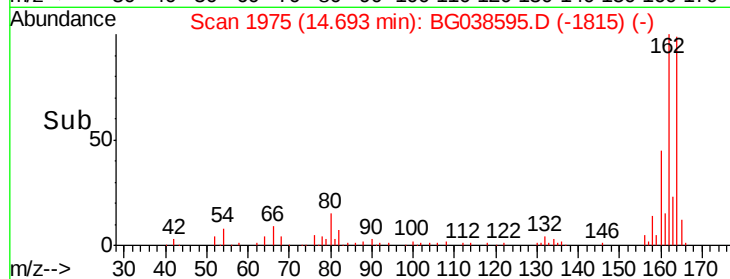
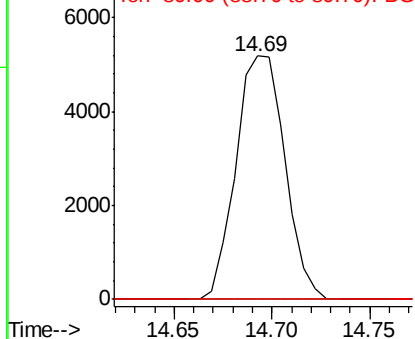
#51
 2,6-Dinitrotoluene
 Concen: 7.033 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038595.D
 Acq: 15 Dec 2018 8:56

Instrument :
 BNA_G
 ClientSampleId :
 120618-DBRI-F-U-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#



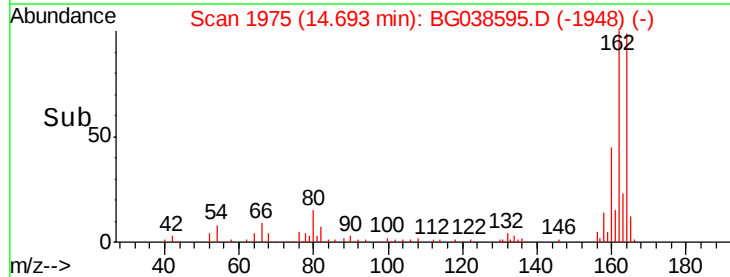
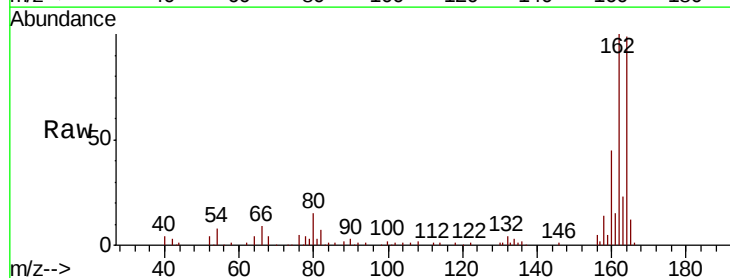
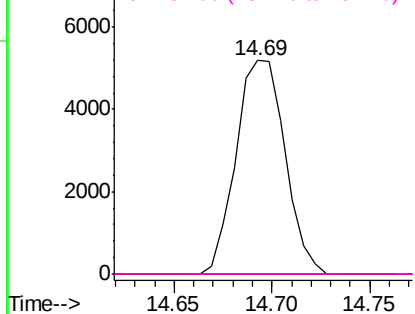
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

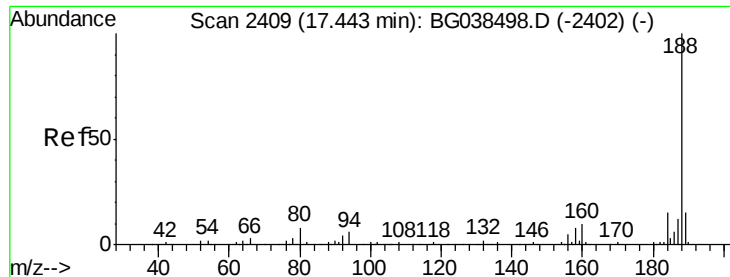


#57
 2,4-Dinitrotoluene
 Concen: 4.994 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038595.D
 Acq: 15 Dec 2018 8:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#

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

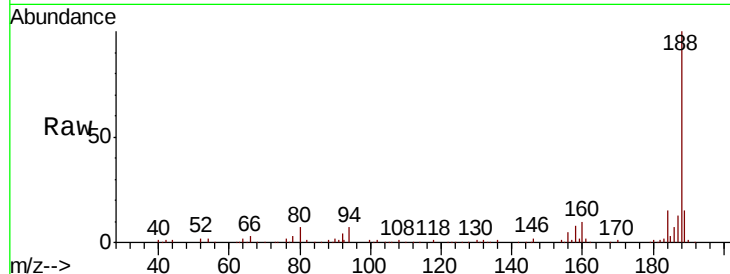




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038595.D
 Acq: 15 Dec 2018 8:56

Instrument :
 BNA_G
 ClientSampleId :
 120618-DBRI-F-U-B

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	172656		
94	7.2		5.1	7.7
80	6.8		6.1	9.1

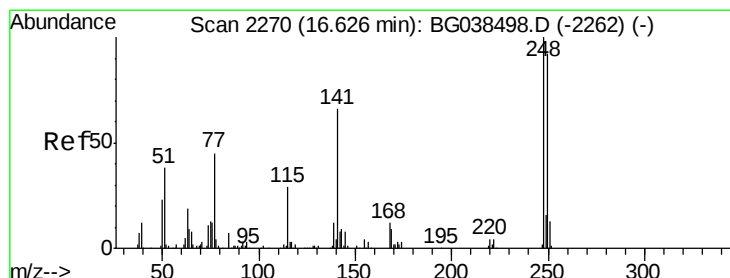
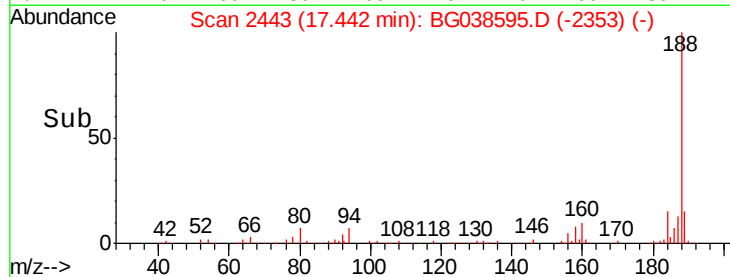
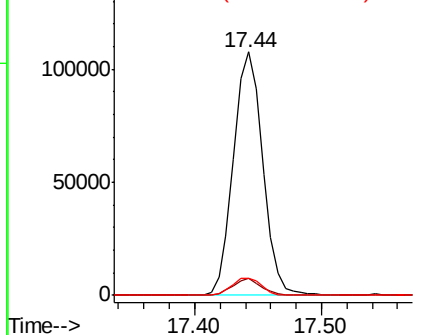


Abundance

Ion 188.00 (187.70 to 188.70): E

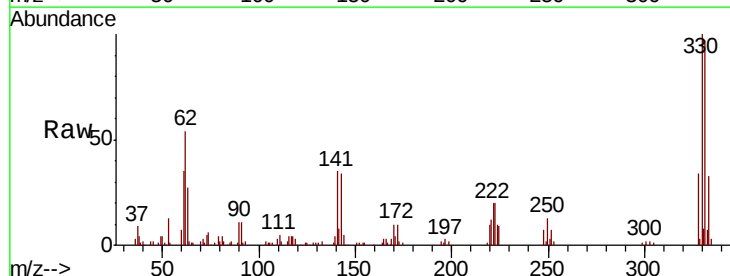
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67
 4-Bromophenyl-phenylether
 Concen: 2.586 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038595.D
 Acq: 15 Dec 2018 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	5452		
250	183.4		73.4	110.2#
141	399.4		52.9	79.3#

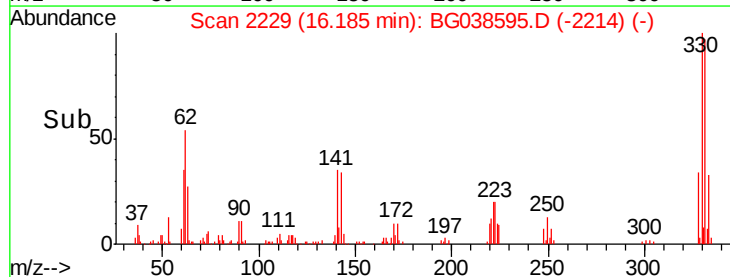
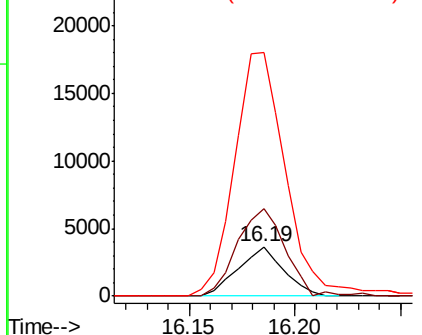


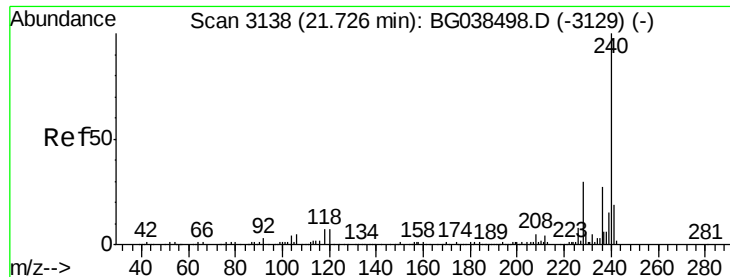
Abundance

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

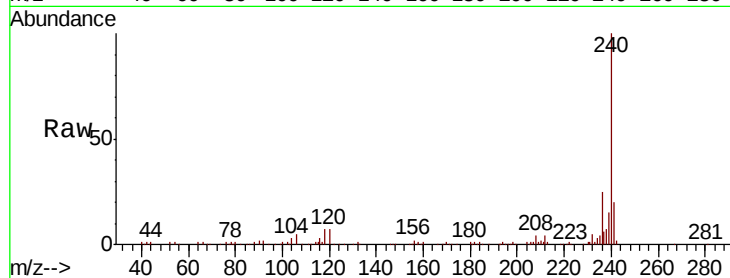




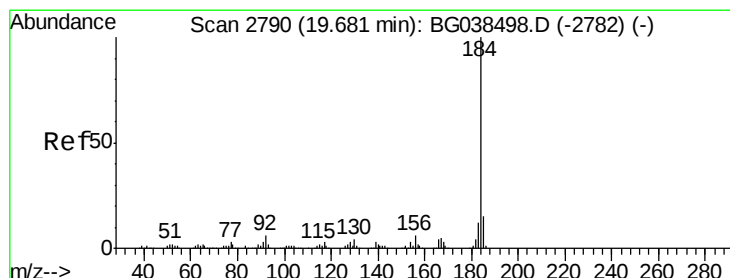
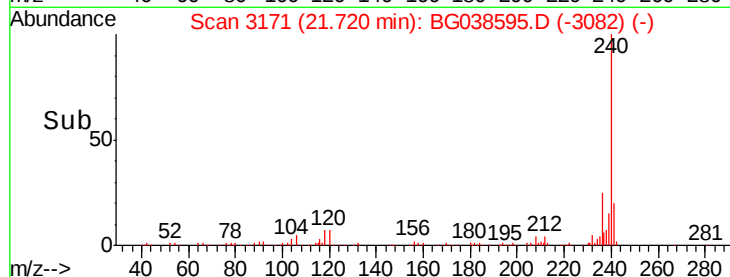
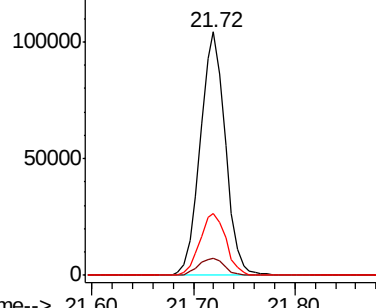
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038595.D
Acq: 15 Dec 2018 8:56

Instrument :
BNA_G
ClientSampleId :
120618-DBRI-F-U-B

Tgt Ion:240 Resp: 178182
Ion Ratio Lower Upper
240 100
120 7.1 5.3 7.9
236 25.3 21.4 32.2

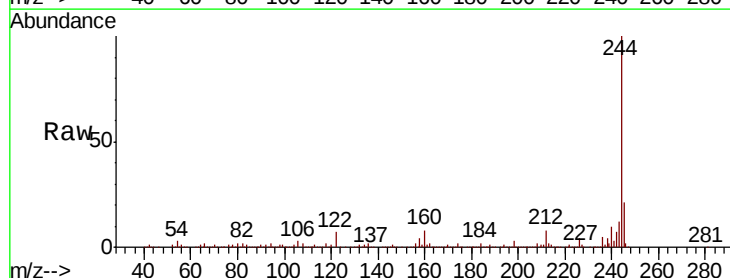


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

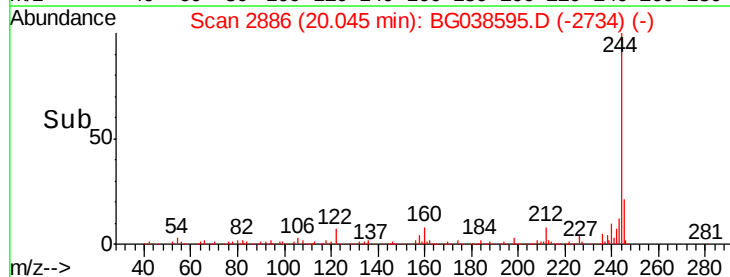
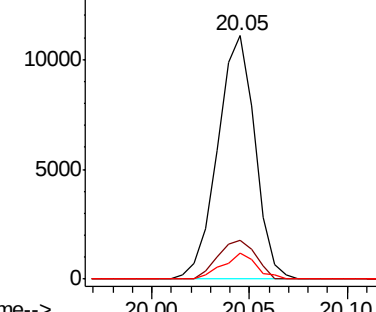


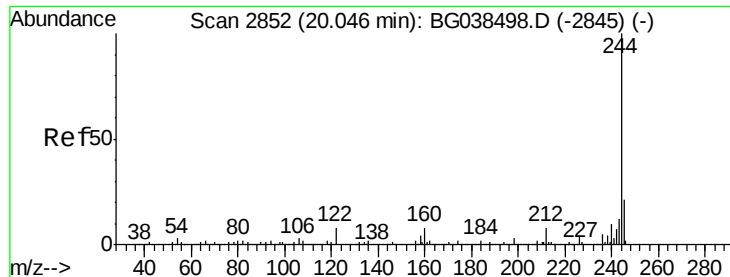
#77
Benzidine
Concen: 2.780 ng
RT: 20.05 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038595.D
Acq: 15 Dec 2018 8:56

Tgt Ion:184 Resp: 14647
Ion Ratio Lower Upper
184 100
185 16.2 12.2 18.2
183 10.8 9.6 14.4



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: 100.855 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038595.D

Acq: 15 Dec 2018 8:56

Instrument :

BNA_G

ClientSampleId :

120618-DBRI-F-U-B

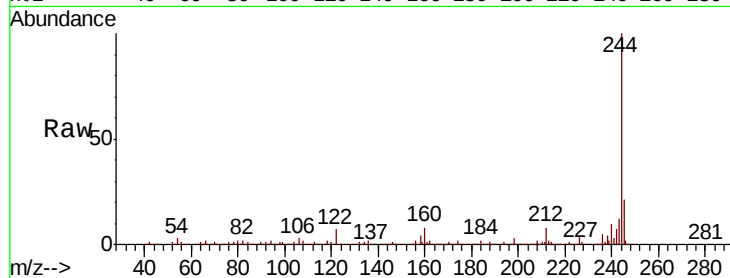
Tgt Ion:244 Resp: 825722

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

122 7.3 6.3 9.5



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

800000

600000

400000

200000

0

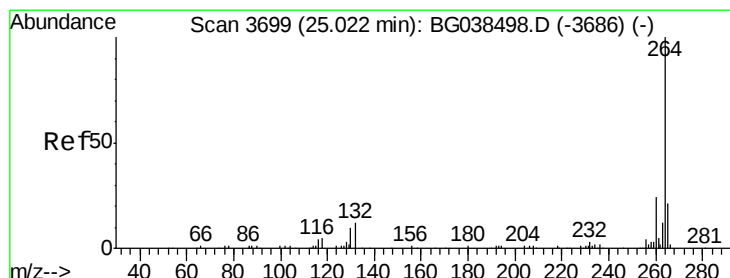
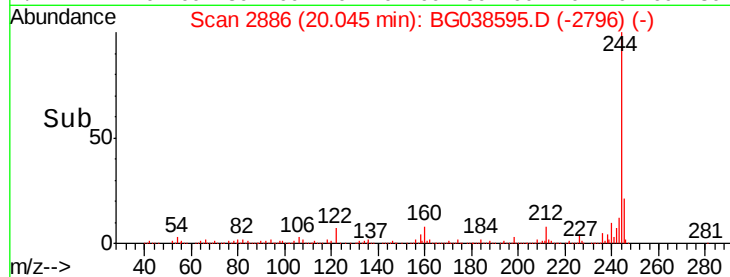
20.05

20.00

19.95

20.10

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038595.D

Acq: 15 Dec 2018 8:56

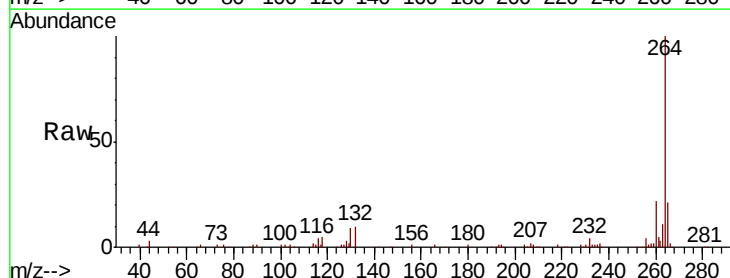
Tgt Ion:264 Resp: 182617

Ion Ratio Lower Upper

264 100

260 22.5 18.9 28.3

265 21.2 17.0 25.4



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

80000

60000

40000

20000

0

25.02

24.90

25.10

Time-->

