

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121518\
 Data File : BG038629.D
 Acq On : 16 Dec 2018 7:28
 Operator : JU/SJ
 Sample : J6378-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 02:29:47 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	21655	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	88124	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	57200	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	144112	20.00	ng	0.00
76) Chrysene-d12	21.72	240	145877	20.00	ng	0.00
87) Perylene-d12	25.02	264	154367	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	182076	149.13	ng	0.00
7) Phenol-d6	7.21	99	247321	147.56	ng	0.00
23) Nitrobenzene-d5	9.24	82	161156	93.43	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	109074	138.36	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	349631	83.85	ng	0.00
79) Terphenyl-d14	20.04	244	594932	88.76	ng	0.00

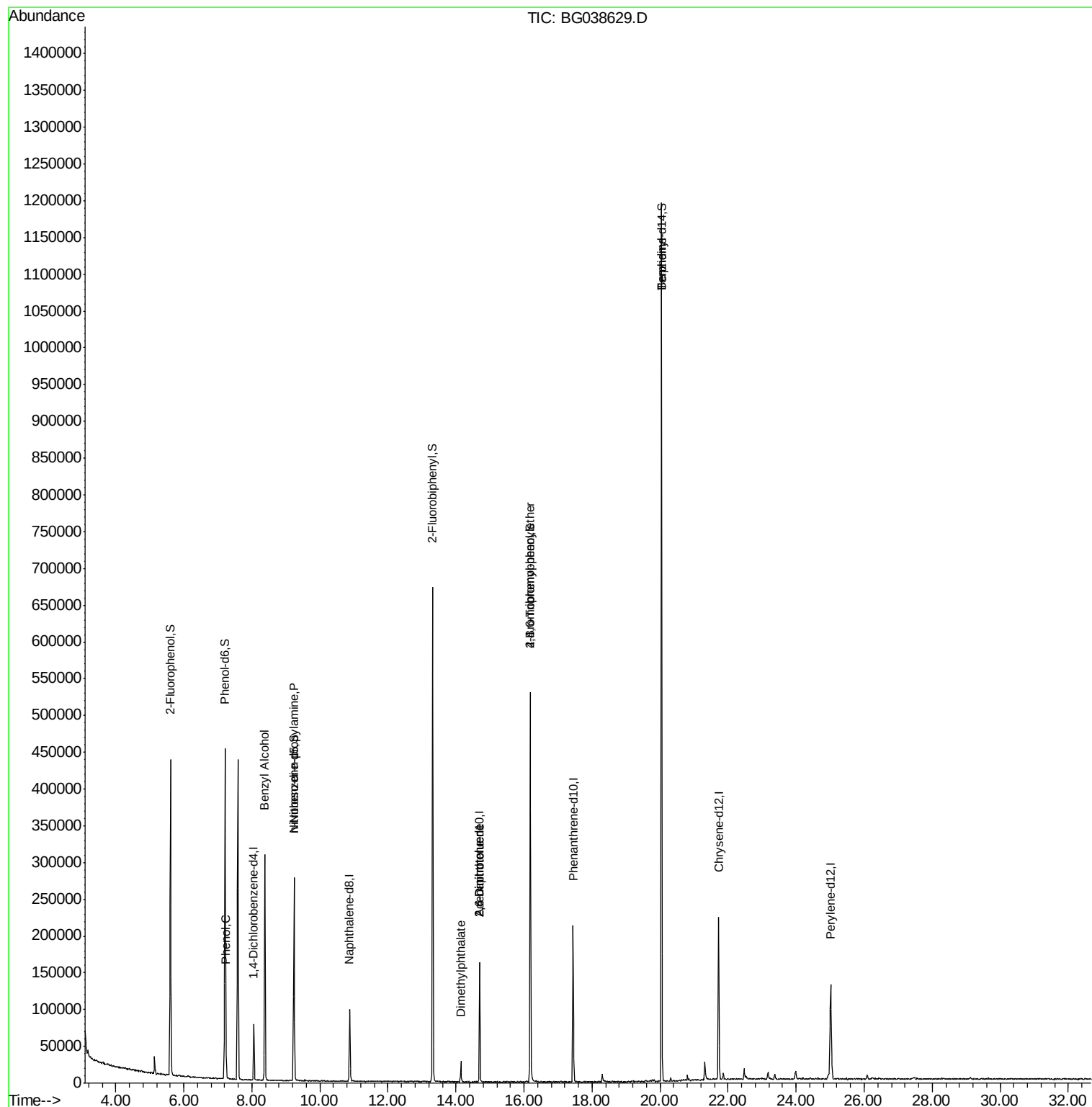
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	14619	8.210	ng	96
15) Benzyl Alcohol	8.39	79	2657	2.031	ng	# 52
19) n-Nitroso-di-n-propylamine	9.24	70	21191	18.001	ng	# 74
50) Dimethylphthalate	14.14	163	22367	4.788	ng	98
51) 2,6-Dinitrotoluene	14.70	165	7259	6.857	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	7259	4.869	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	6930	3.937	ng	# 1
77) Benzidine	20.04	184	10394	2.409	ng	# 95

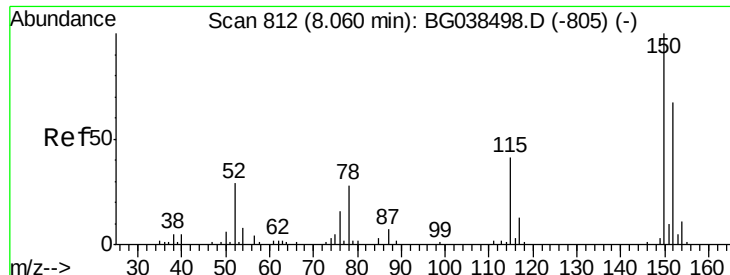
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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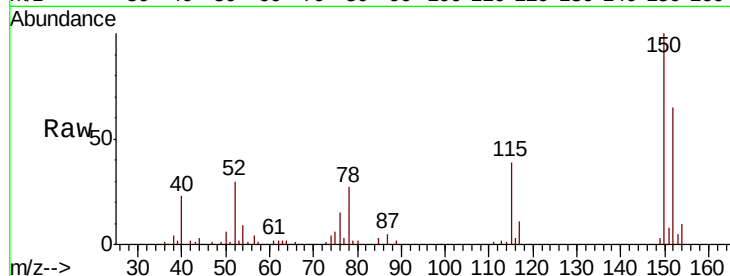


#1

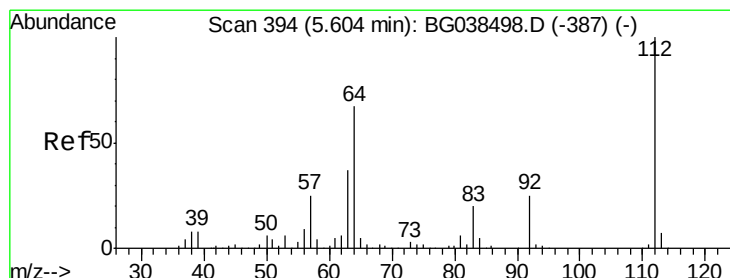
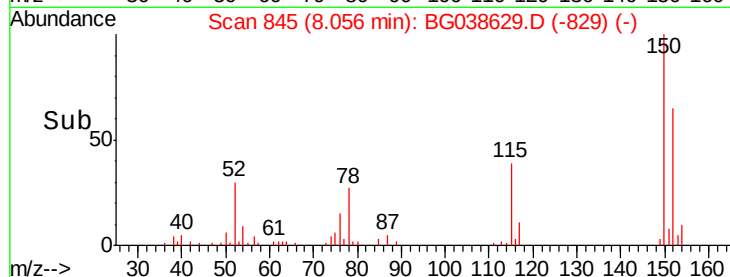
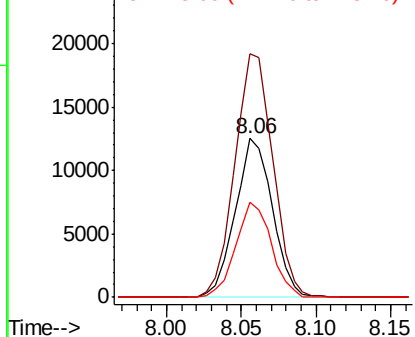
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038629.D
Acq: 16 Dec 2018 7:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 21655
Ion Ratio Lower Upper
152 100
150 153.3 119.5 179.3
115 60.3 49.6 74.4



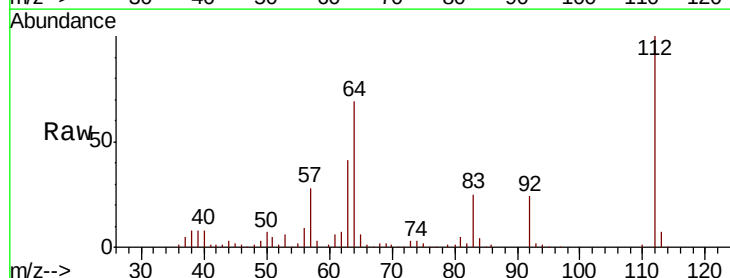
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



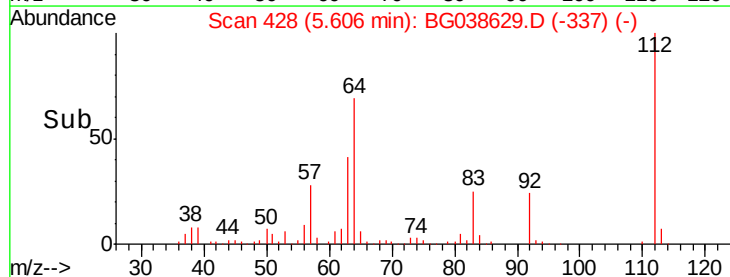
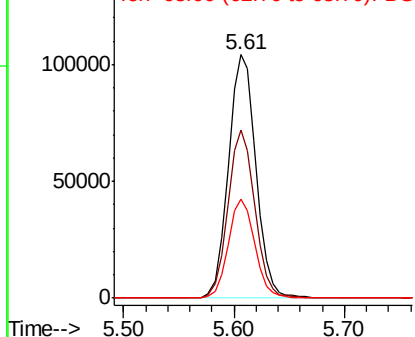
#5

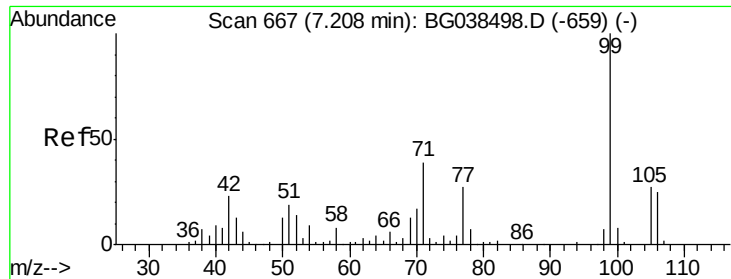
2-Fluorophenol
Concen: 149.129 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038629.D
Acq: 16 Dec 2018 7:28

Tgt Ion:112 Resp: 182076
Ion Ratio Lower Upper
112 100
64 69.3 53.4 80.2
63 40.8 29.3 43.9



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: 147.558 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

Instrument :

BNA_G

ClientSampled :

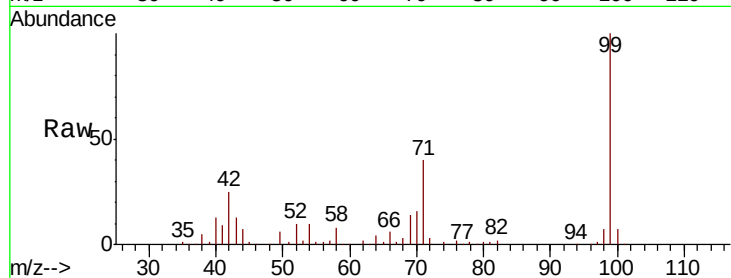
Tot Ion: 99 Resp: 247321

Ion Ratio Lower Upper

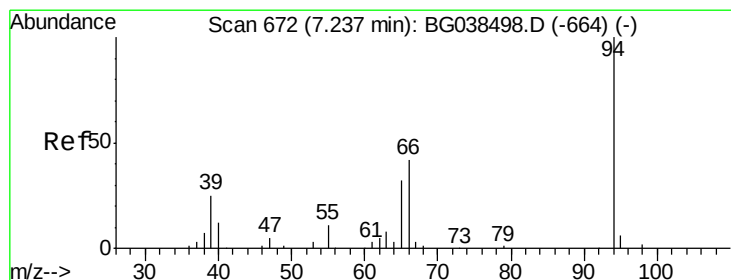
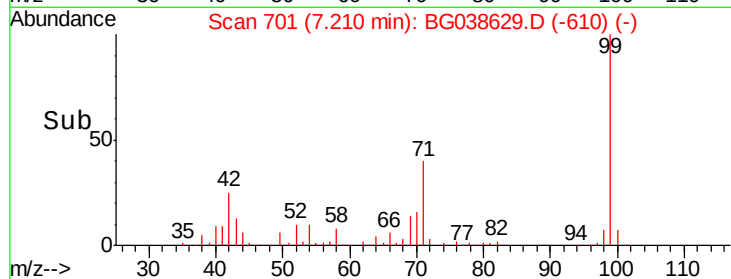
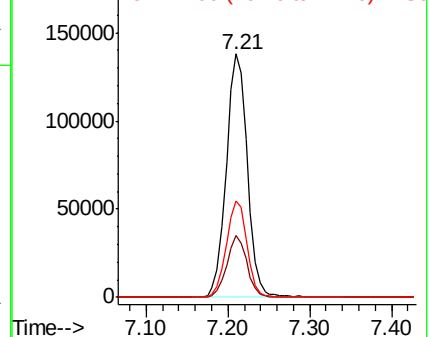
99 100

42 25.2 18.5 27.7

71 39.6 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



#10

Phenol

Concen: 8.210 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

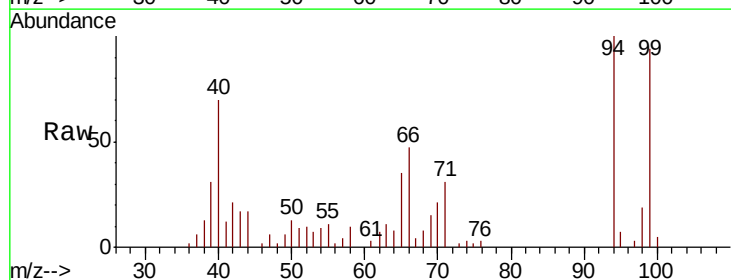
Tgt Ion: 94 Resp: 14619

Ion Ratio Lower Upper

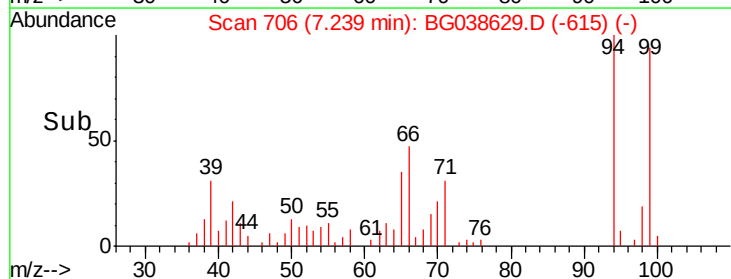
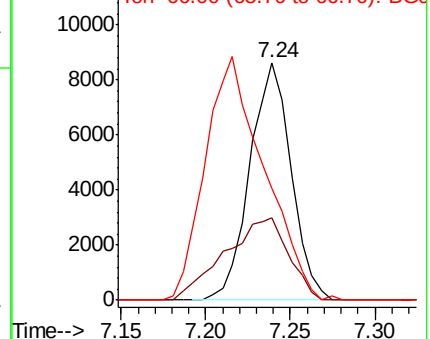
94 100

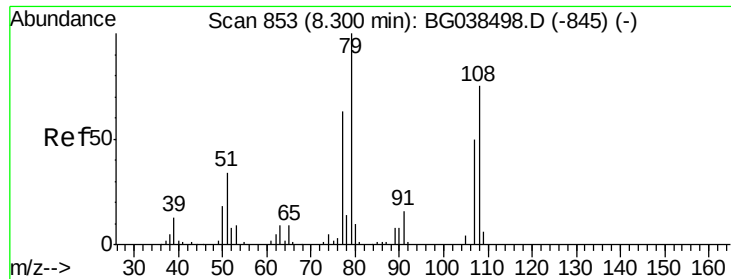
65 34.7 12.6 52.6

66 46.8 24.1 64.1



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





#15

Benzyl Alcohol

Concen: 2.031 ng

RT: 8.39 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

Instrument :

BNA_G

ClientSampleId :

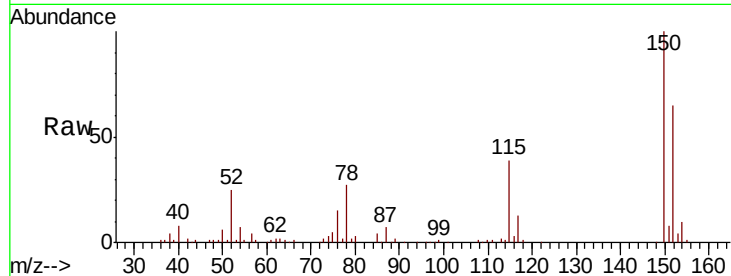
Tot Ion: 79 Resp: 2657

Ion Ratio Lower Upper

79 100

108 25.5 60.2 90.4#

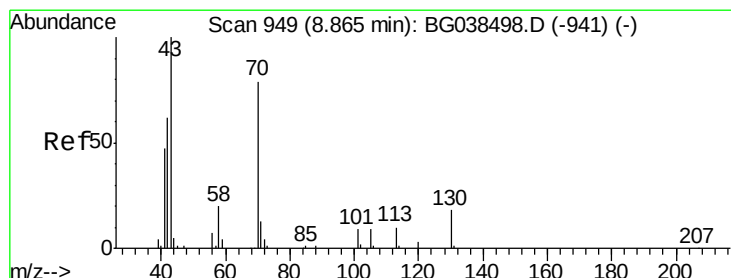
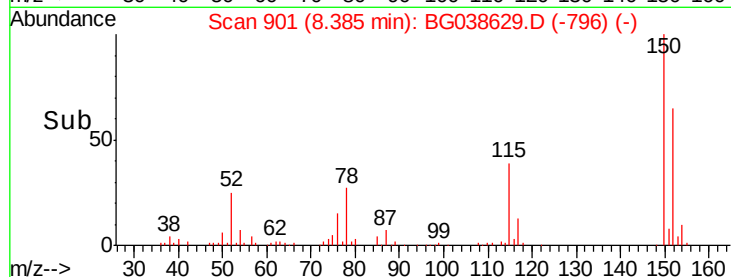
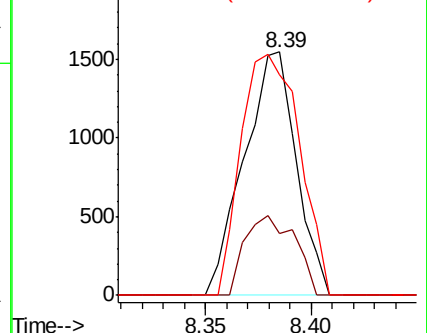
77 90.4 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 18.001 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

Tgt Ion: 70 Resp: 21191

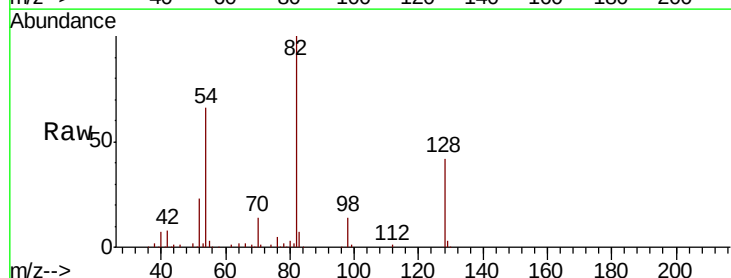
Ion Ratio Lower Upper

70 100

42 61.2 63.6 95.4#

101 0.0 9.2 13.8#

130 1.8 18.5 27.7#

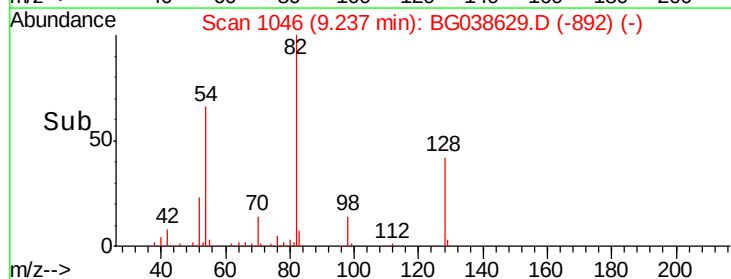
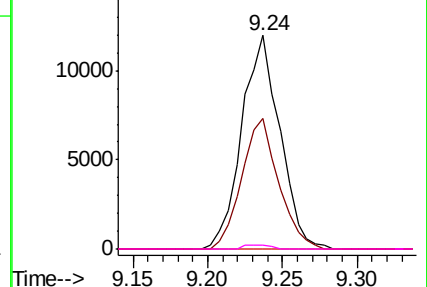


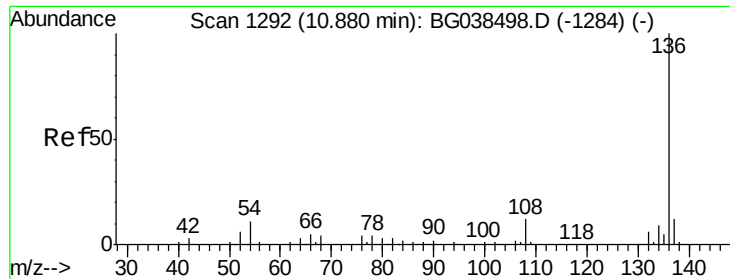
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

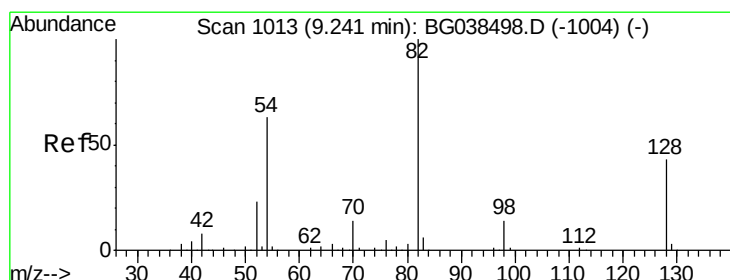
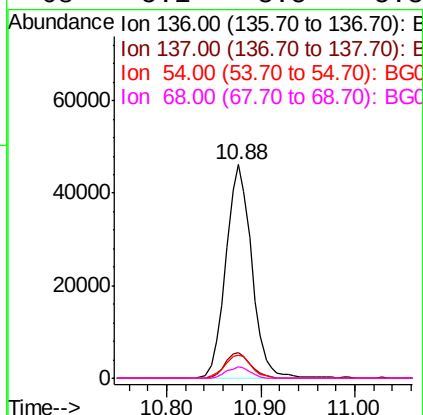
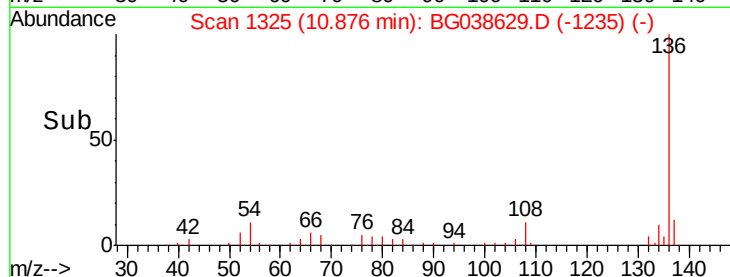
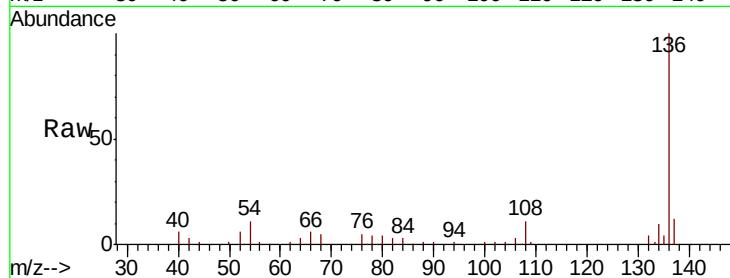




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038629.D
Acq: 16 Dec 2018 7:28

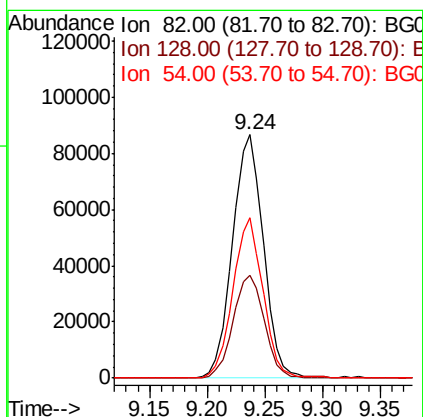
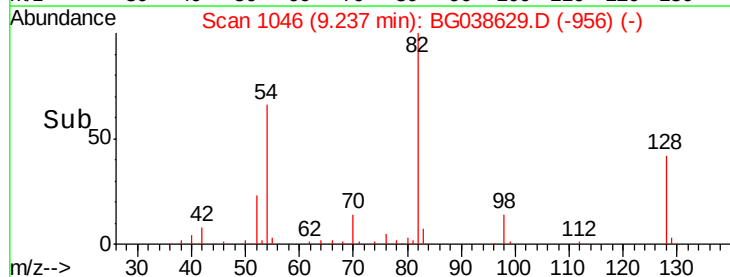
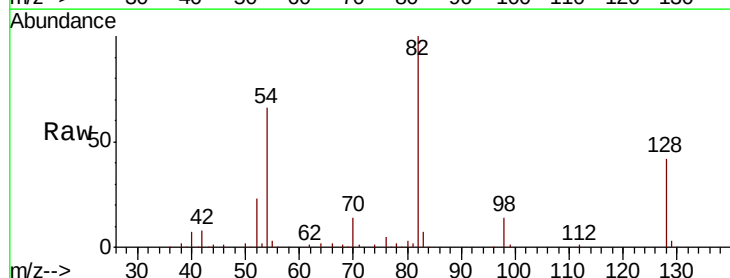
Instrument :
BNA_G
ClientSampleId :

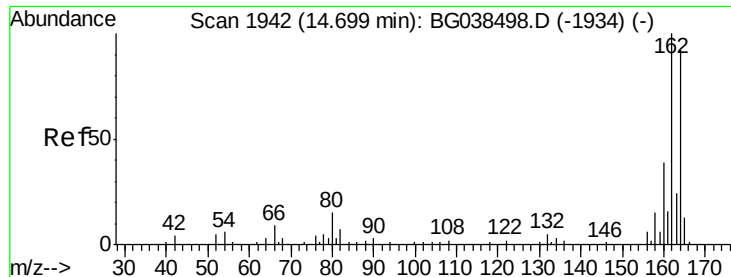
Tot Ion:136	Resp:	88124
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.3 13.9
54	10.8	8.5 12.7
68	5.1	3.5 5.3



#23
Nitrobenzene-d5
Concen: 93.425 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038629.D
Acq: 16 Dec 2018 7:28

Tgt Ion: 82	Resp:	161156
Ion Ratio	Lower	Upper
82	100	
128	42.2	34.6 52.0
54	65.9	50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

Instrument :

BNA_G

ClientSampleId :

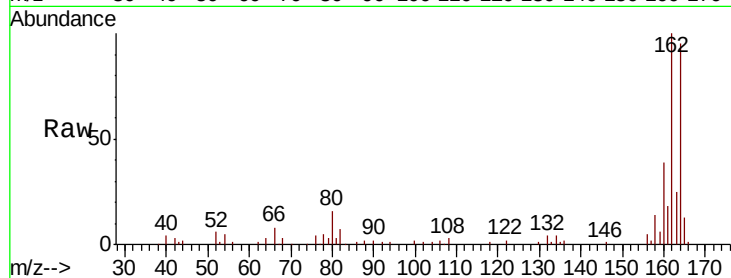
Tot Ion:164 Resp: 57200

Ion Ratio Lower Upper

164 100

162 105.5 86.6 130.0

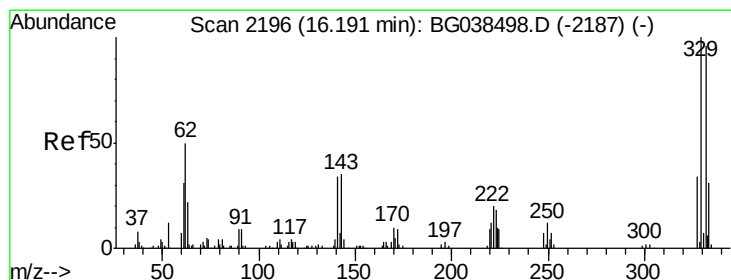
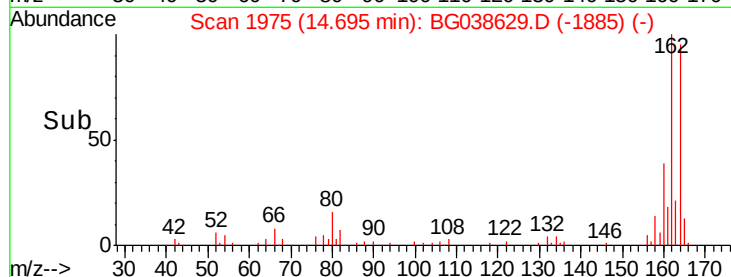
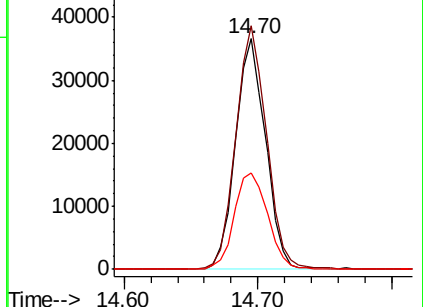
160 41.7 34.2 51.2



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: 138.363 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

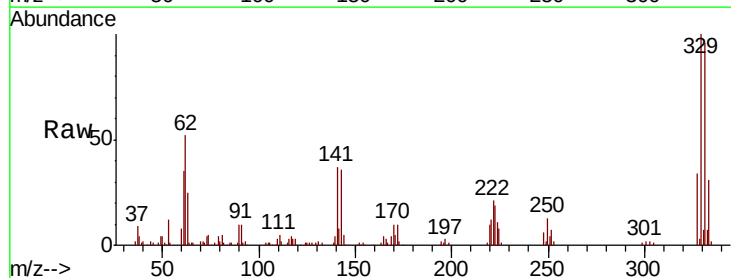
Tgt Ion:330 Resp: 109074

Ion Ratio Lower Upper

330 100

332 95.1 76.9 115.3

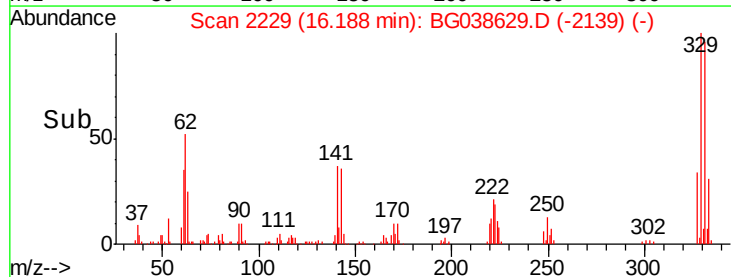
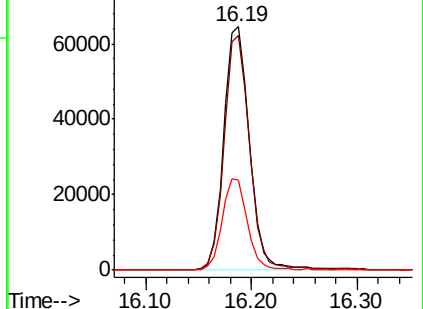
141 36.9 28.8 43.2

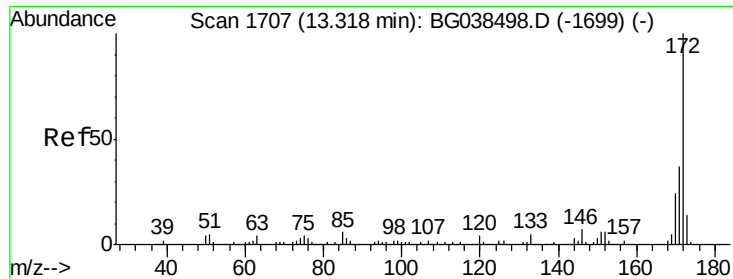


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

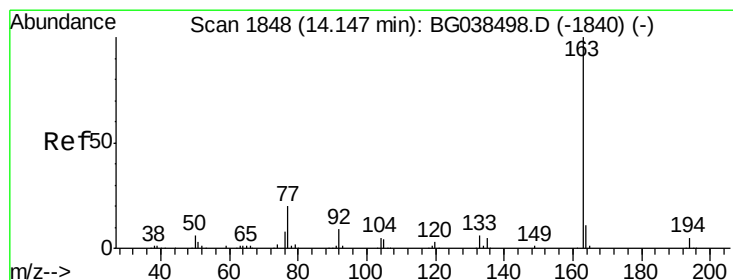
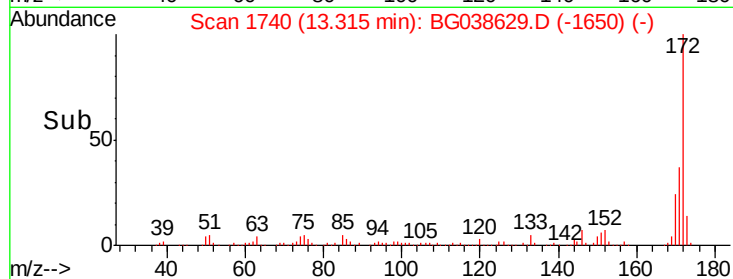
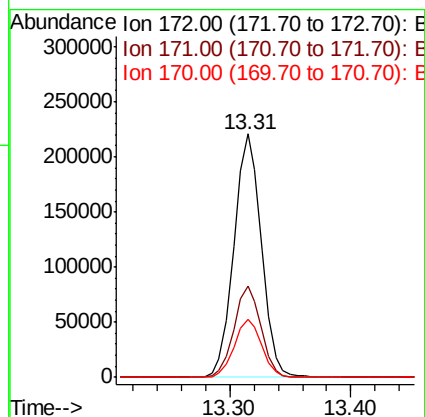
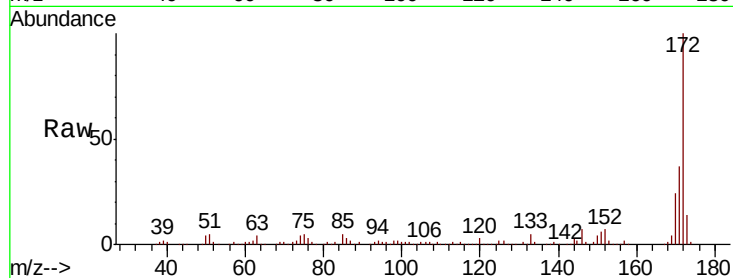




#45
2-Fluorobiphenyl
Concen: 83.853 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.00 min
Lab File: BG038629.D
Acq: 16 Dec 2018 7:28

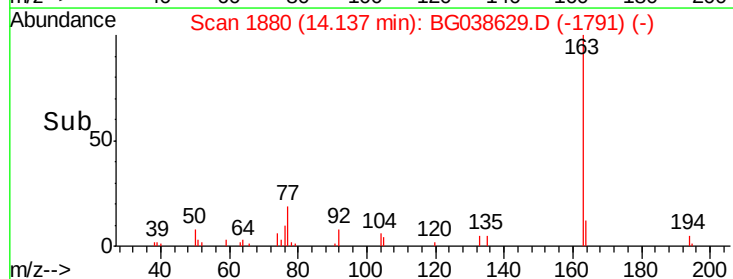
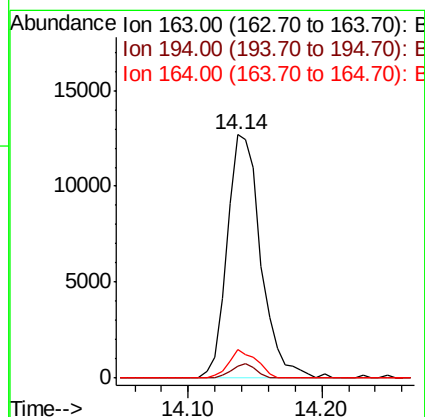
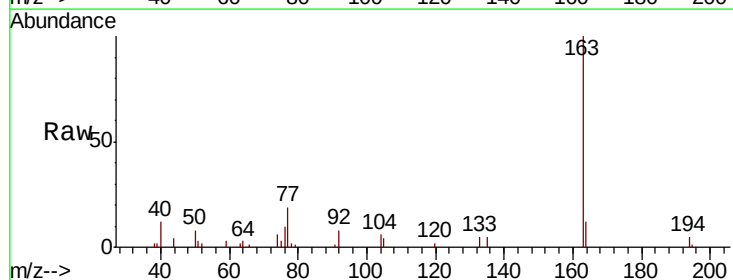
Instrument :
BNA_G
ClientSampled :

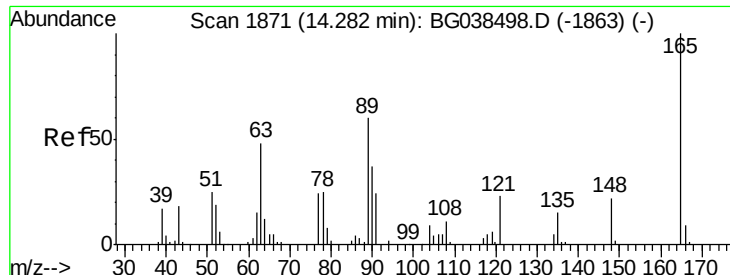
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.8	44.6
170	24.0	19.5	29.3



#50
Dimethylphthalate
Concen: 4.788 ng
RT: 14.14 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG038629.D
Acq: 16 Dec 2018 7:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.7	5.5
164	11.7	8.6	12.8

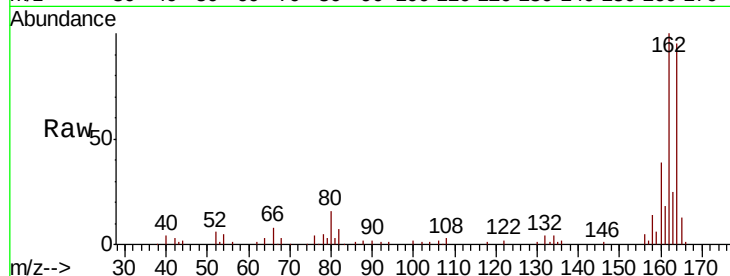




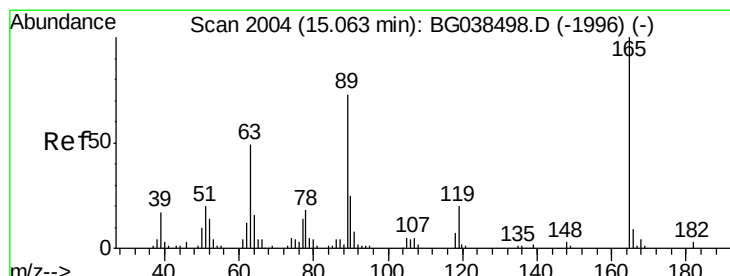
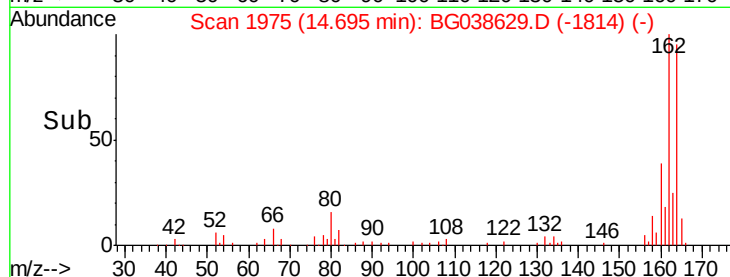
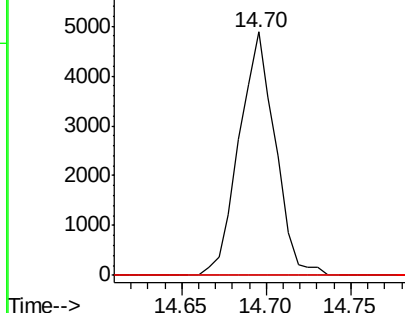
#51
 2,6-Dinitrotoluene
 Concen: 6.857 ng
 RT: 14.70 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038629.D
 Acq: 16 Dec 2018 7:28

Instrument :
 BNA_G
 ClientSampleId :

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

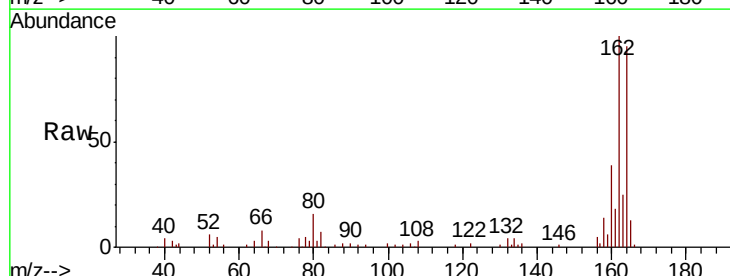


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

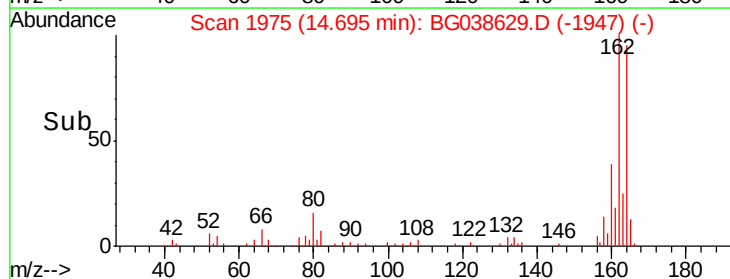
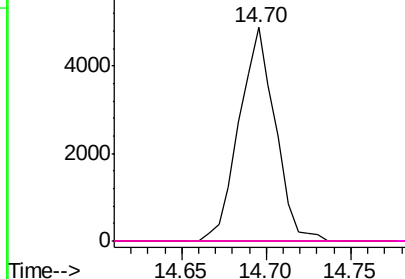


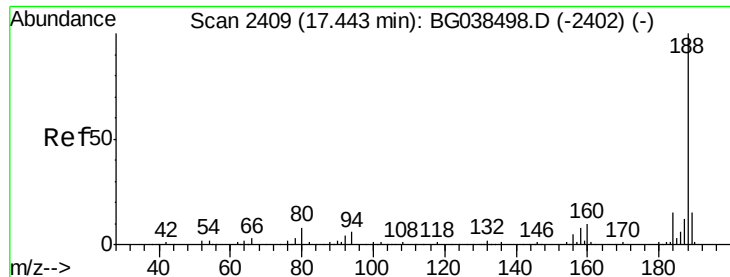
#57
 2,4-Dinitrotoluene
 Concen: 4.869 ng
 RT: 14.70 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038629.D
 Acq: 16 Dec 2018 7:28

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# 2442

Delta R.T. -0.00 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

Instrument :

BNA_G

ClientSampleId :

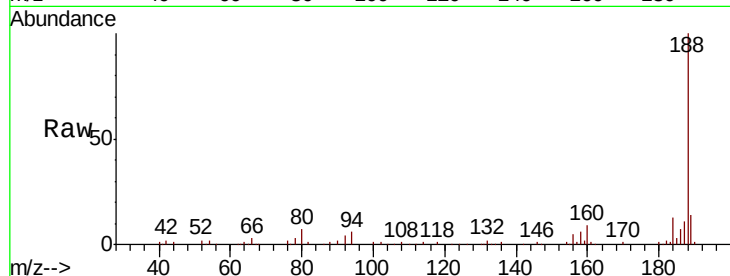
Tot Ion:188 Resp: 144112

Ion Ratio Lower Upper

188 100

94 6.5 5.1 7.7

80 7.3 6.1 9.1



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

120000

100000

80000

60000

40000

20000

0

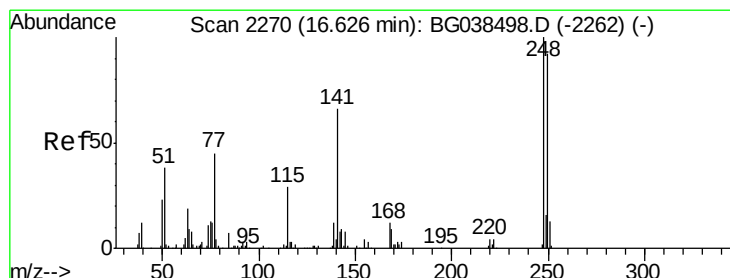
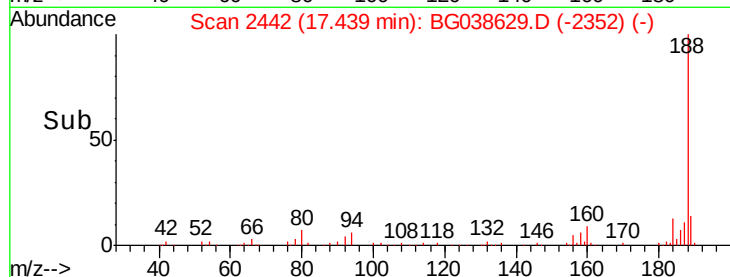
17.44

17.40

17.50

17.60

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.937 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.44 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

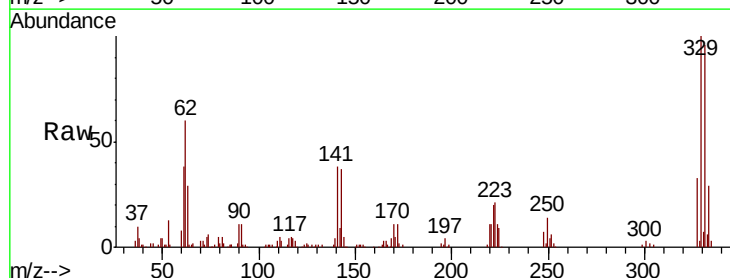
Tgt Ion:248 Resp: 6930

Ion Ratio Lower Upper

248 100

250 216.1 73.4 110.2#

141 441.7 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

30000

25000

20000

15000

10000

5000

0

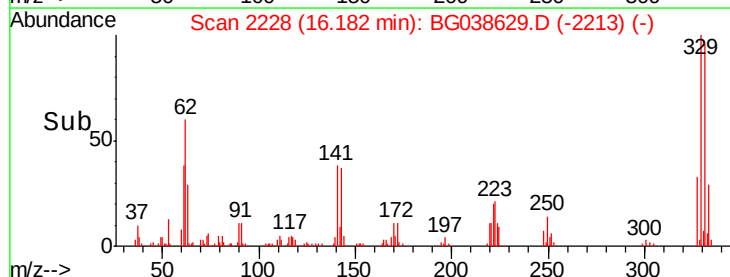
16.18

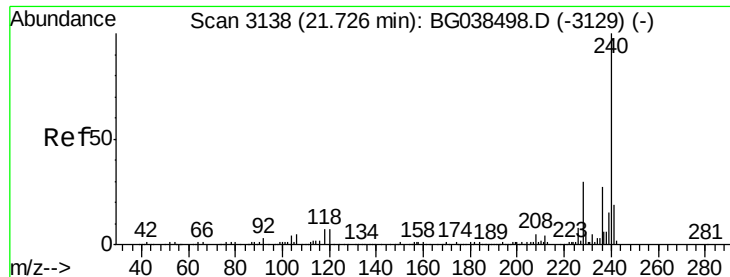
16.15

16.20

16.25

Time-->

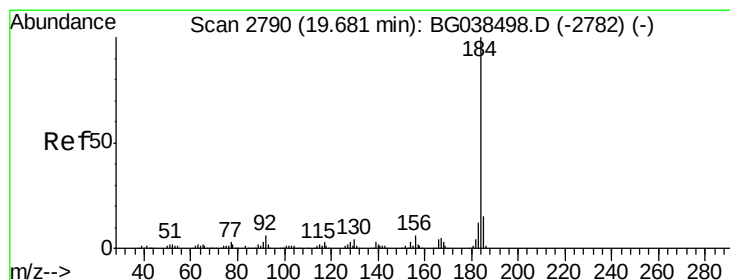
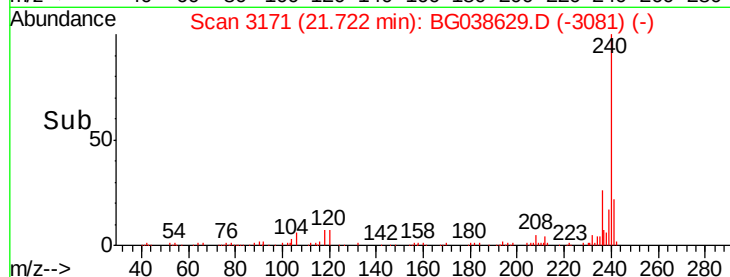
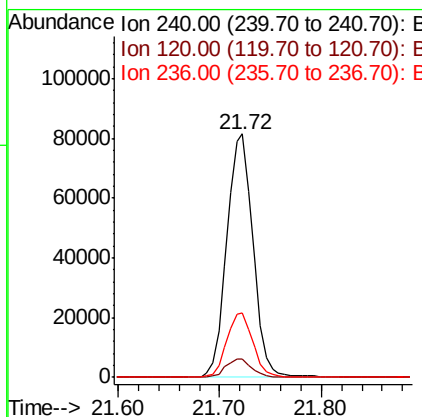
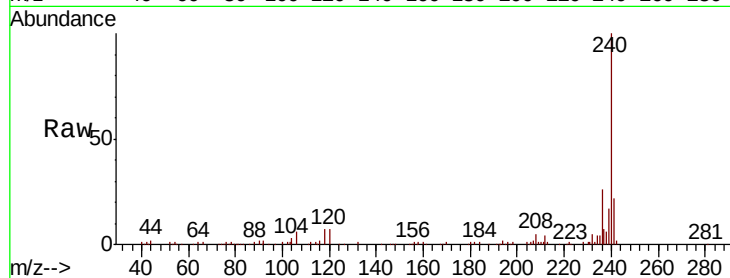




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BG038629.D
Acq: 16 Dec 2018 7:28

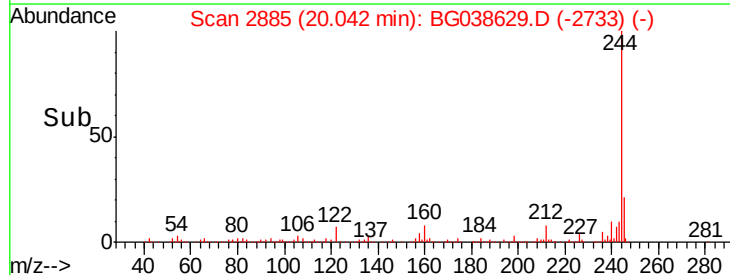
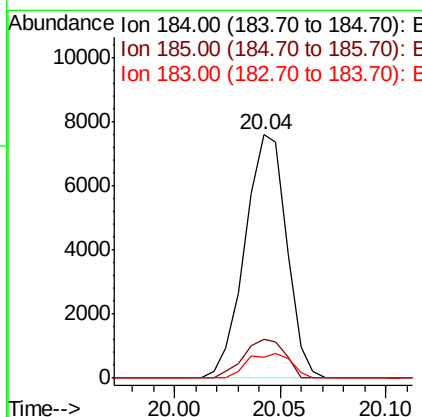
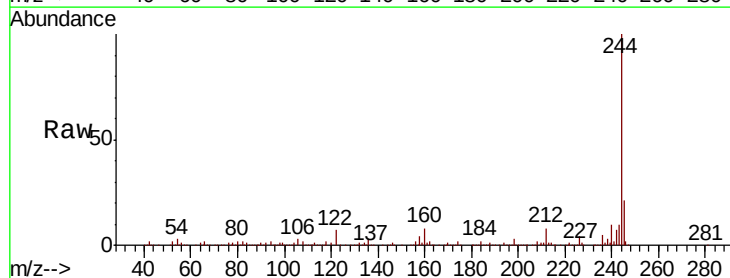
Instrument :
BNA_G
ClientSampleId :

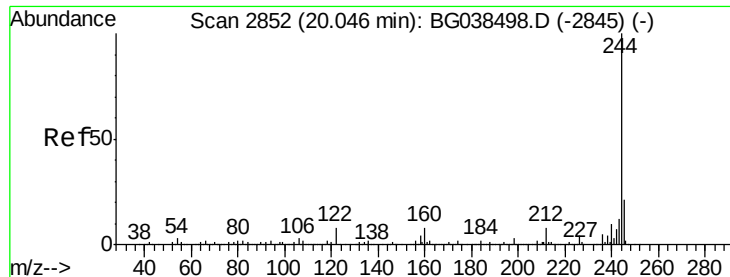
Tot Ion:240 Resp: 145877
Ion Ratio Lower Upper
240 100
120 7.4 5.3 7.9
236 26.2 21.4 32.2



#77
Benzidine
Concen: 2.409 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.36 min
Lab File: BG038629.D
Acq: 16 Dec 2018 7:28

Tgt Ion:184 Resp: 10394
Ion Ratio Lower Upper
184 100
185 15.8 12.2 18.2
183 8.4 9.6 14.4#





#79

Terphenyl-d14

Concen: 88.758 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

Instrument :

BNA_G

ClientSampled :

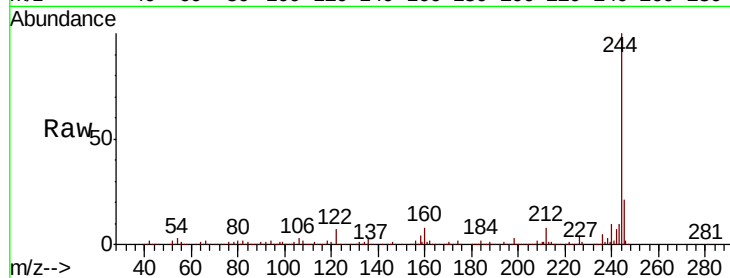
Tot Ion:244 Resp: 594932

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

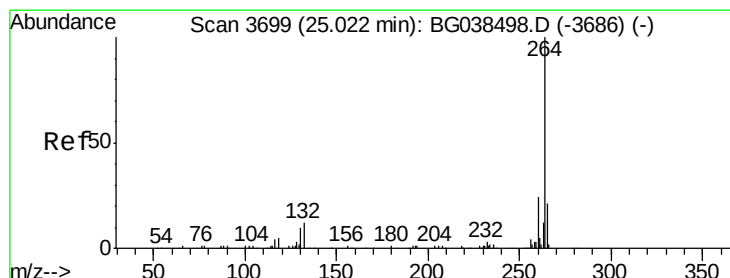
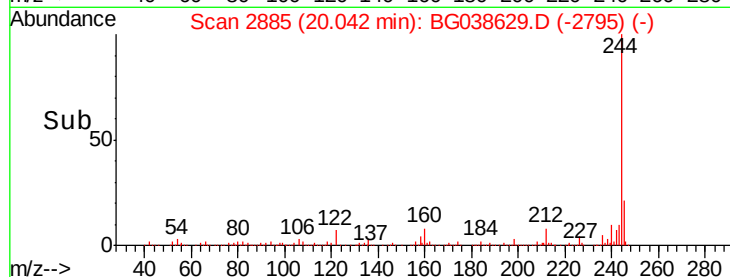
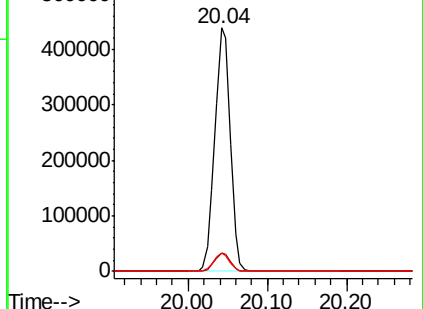
122 7.5 6.3 9.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3732

Delta R.T. -0.00 min

Lab File: BG038629.D

Acq: 16 Dec 2018 7:28

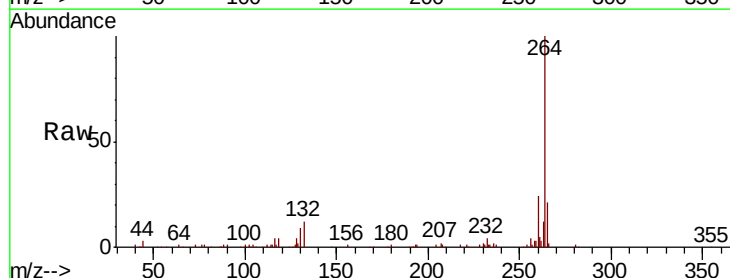
Tgt Ion:264 Resp: 154367

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

265 21.5 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

