

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121518\
 Data File : BG038624.D
 Acq On : 16 Dec 2018 4:09
 Operator : JU/SJ
 Sample : J6371-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 02:27:57 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

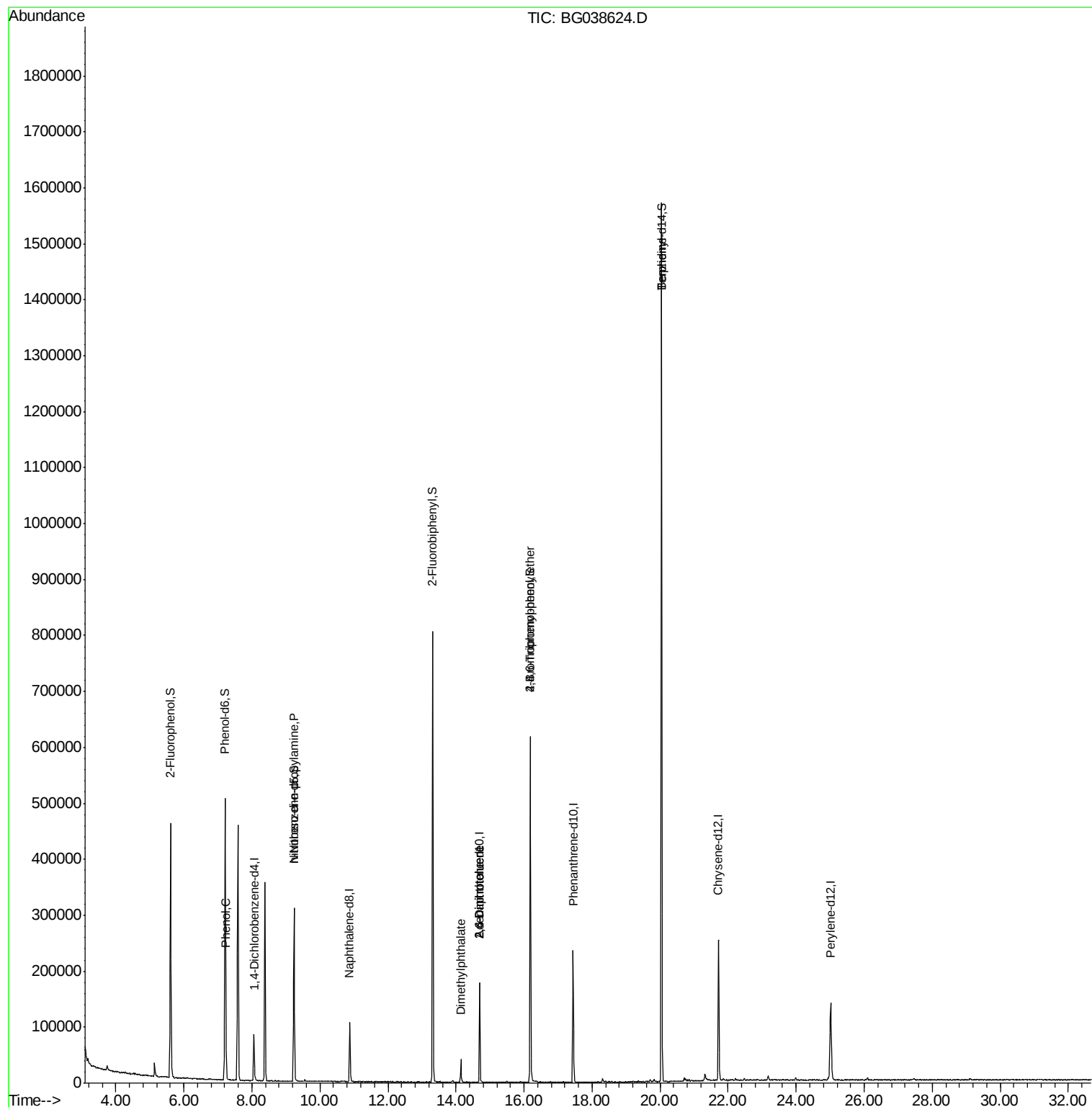
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24166	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	96666	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	62085	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	156573	20.00	ng	0.00
76) Chrysene-d12	21.72	240	164262	20.00	ng	-0.01
87) Perylene-d12	25.01	264	175073	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	204588	150.16	ng	0.00
7) Phenol-d6	7.22	99	275851	147.48	ng	0.00
23) Nitrobenzene-d5	9.24	82	182974	96.70	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	123237	144.03	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	433120	95.70	ng	0.00
79) Terphenyl-d14	20.04	244	779208	103.24	ng	0.00
Target Compounds						
10) Phenol	7.24	94	16871	8.490	ng	82
19) n-Nitroso-di-n-propylamine	9.24	70	25172	19.161	ng	# 72
50) Dimethylphthalate	14.14	163	30709	6.057	ng	97
51) 2,6-Dinitrotoluene	14.69	165	7741	6.737	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7741	4.784	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	7913	4.138	ng	# 1
77) Benzidine	20.04	184	14036	2.889	ng	# 92

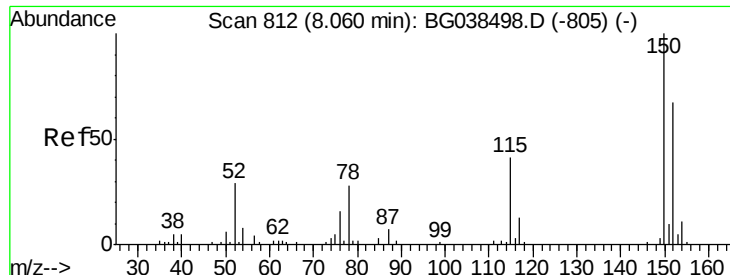
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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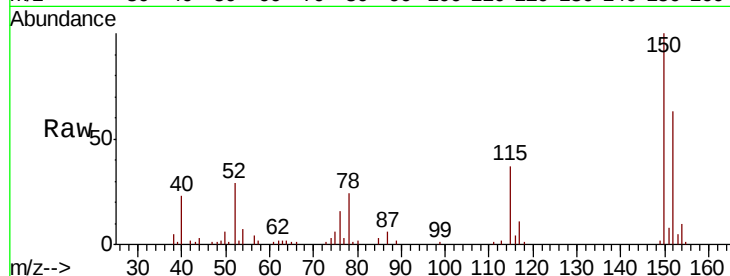


#1

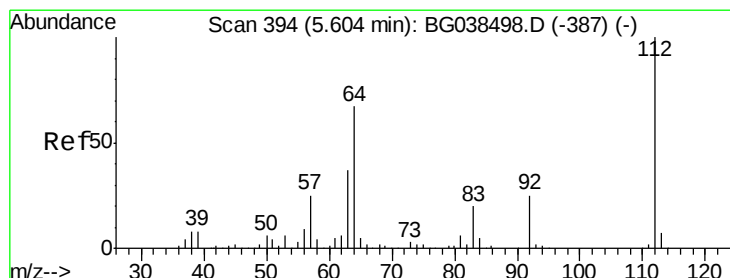
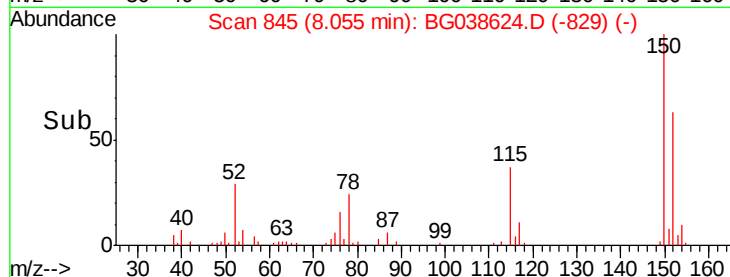
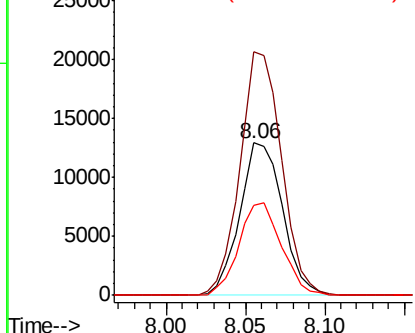
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038624.D
Acq: 16 Dec 2018 4:09

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 24166
Ion Ratio Lower Upper
152 100
150 159.7 119.5 179.3
115 58.6 49.6 74.4



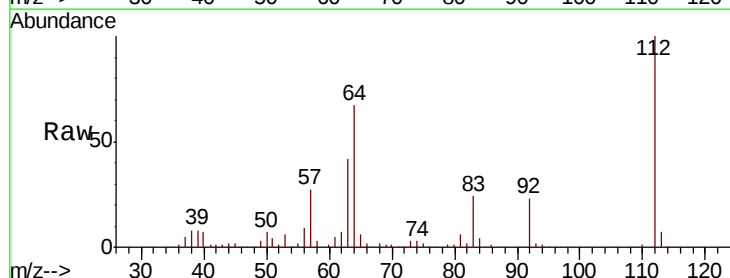
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



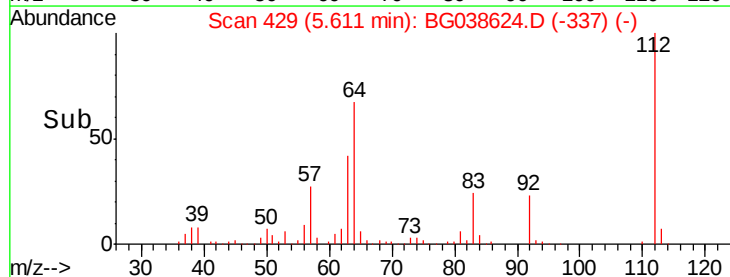
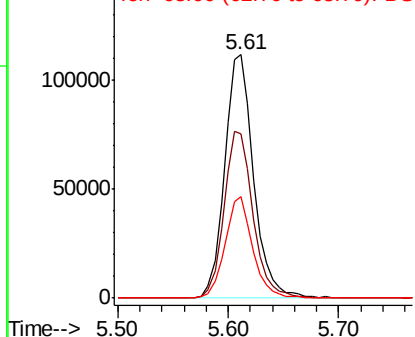
#5

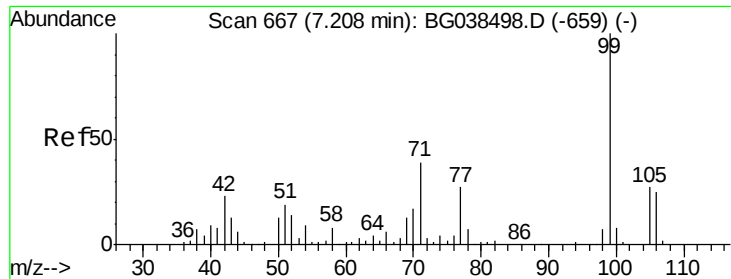
2-Fluorophenol
Concen: 150.156 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038624.D
Acq: 16 Dec 2018 4:09

Tgt Ion:112 Resp: 204588
Ion Ratio Lower Upper
112 100
64 67.4 53.4 80.2
63 41.5 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: 147.479 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038624.D

Acq: 16 Dec 2018 4:09

Instrument :

BNA_G

ClientSampleId :

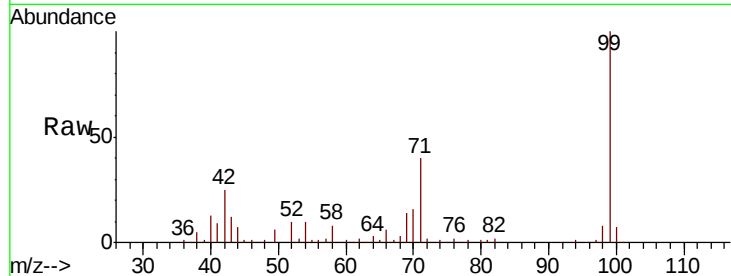
Tot Ion: 99 Resp: 275851

Ion Ratio Lower Upper

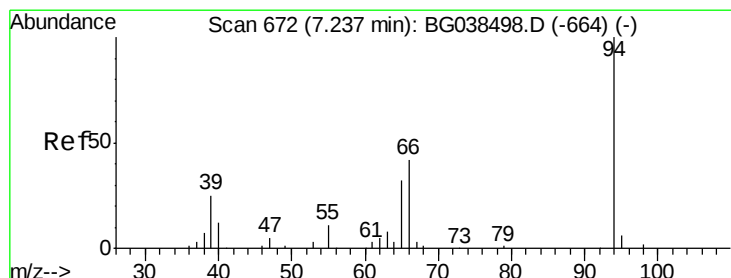
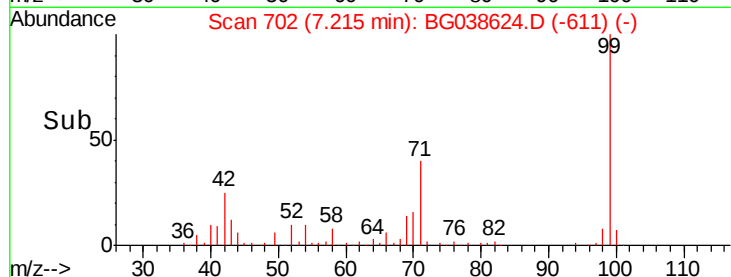
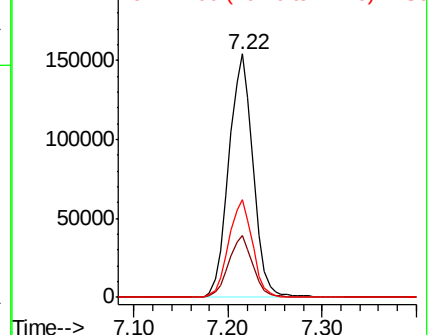
99 100

42 25.5 18.5 27.7

71 40.2 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: 8.490 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG038624.D

Acq: 16 Dec 2018 4:09

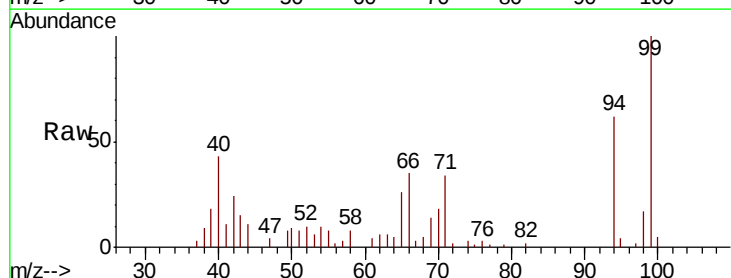
Tgt Ion: 94 Resp: 16871

Ion Ratio Lower Upper

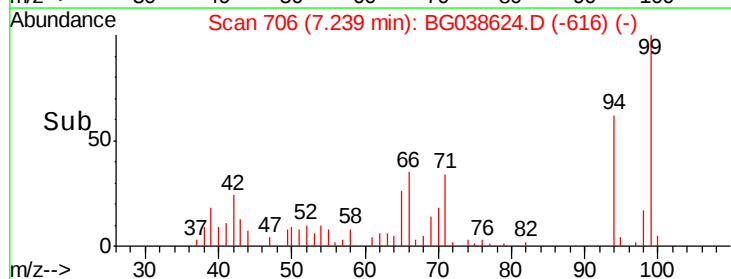
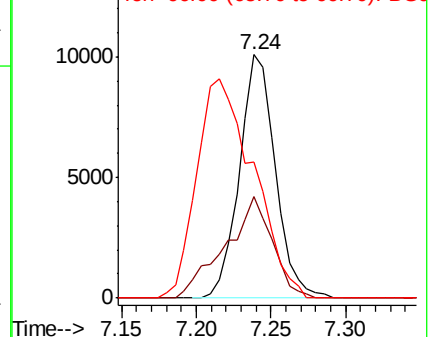
94 100

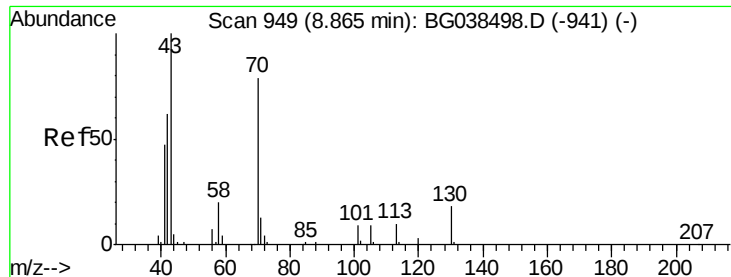
65 41.9 12.6 52.6

66 56.0 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

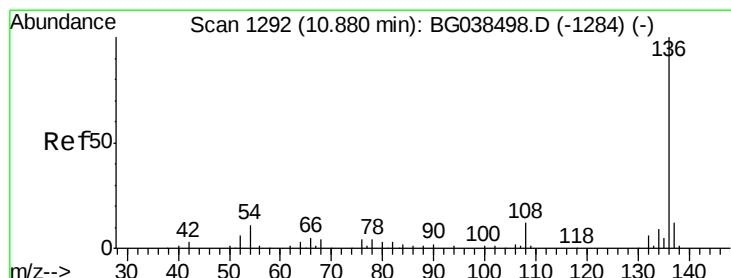
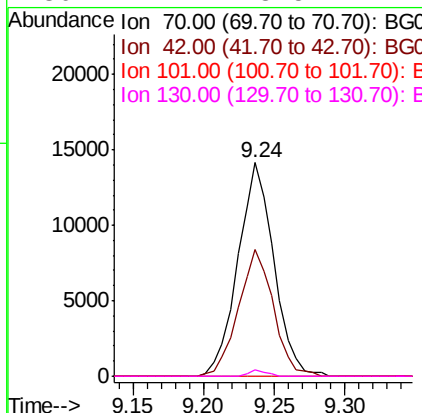
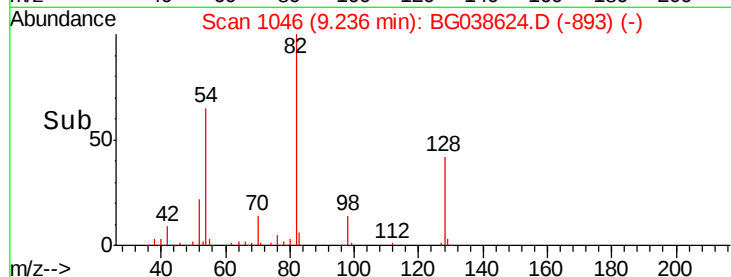
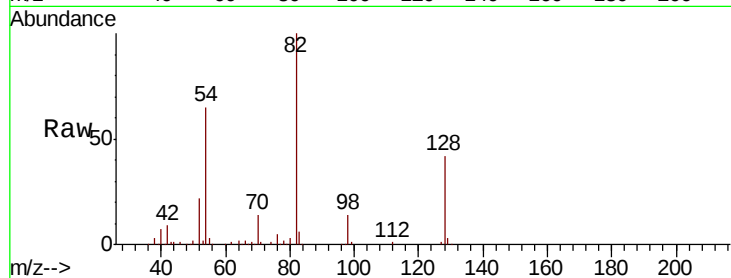




#19
n-Nitroso-di-n-propylamine
Concen: 19.161 ng
RT: 9.24 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038624.D
Acq: 16 Dec 2018 4:09

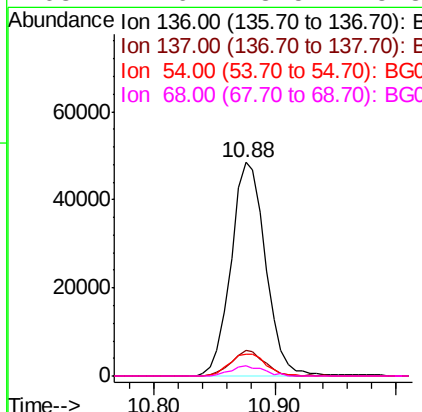
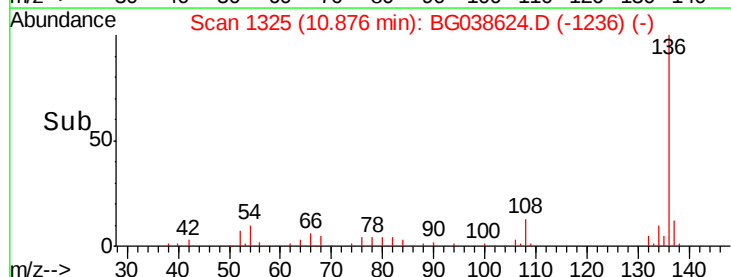
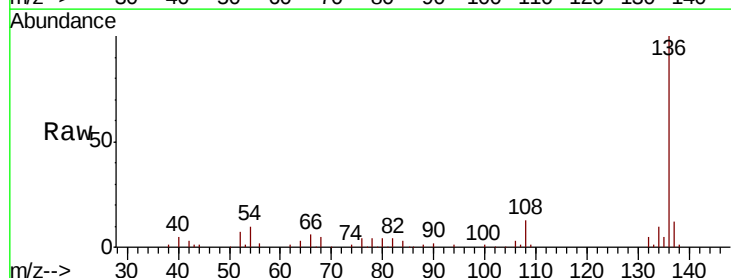
Instrument :
BNA_G
ClientSampleId :

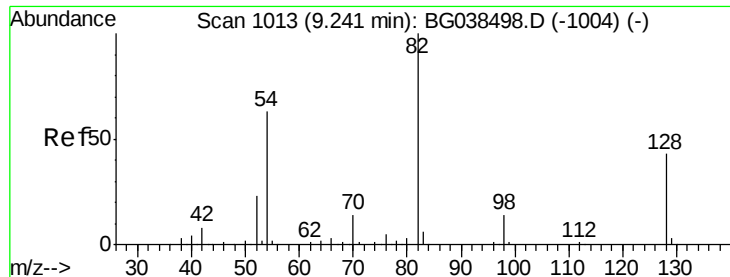
Tot Ion: 70 Resp: 25172
Ion Ratio Lower Upper
70 100
42 59.2 63.6 95.4#
101 0.0 9.2 13.8#
130 2.7 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038624.D
Acq: 16 Dec 2018 4:09

Tgt Ion: 136 Resp: 96666
Ion Ratio Lower Upper
136 100
137 11.9 9.3 13.9
54 10.5 8.5 12.7
68 4.6 3.5 5.3

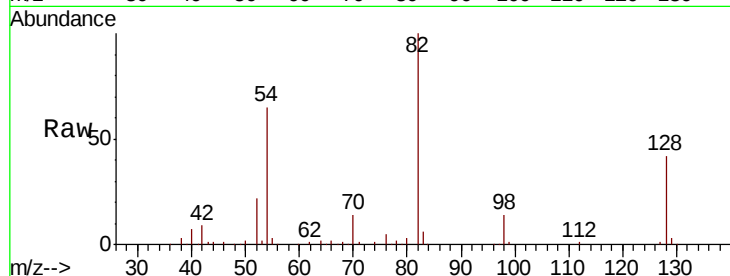




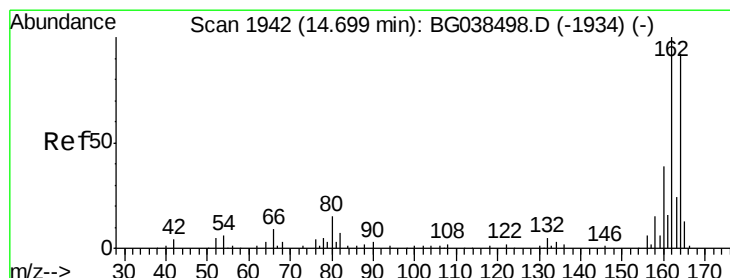
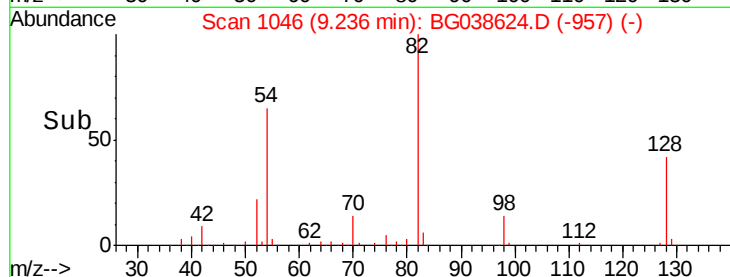
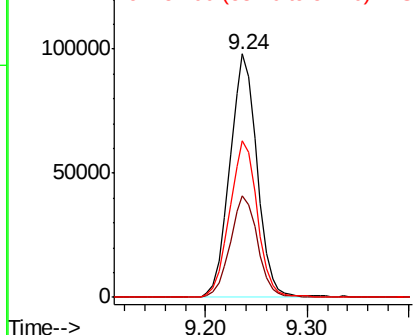
#23
Nitrobenzene-d5
Concen: 96.700 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038624.D
Acq: 16 Dec 2018 4:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 182974
Ion Ratio Lower Upper
82 100
128 41.6 34.6 52.0
54 64.5 50.6 76.0

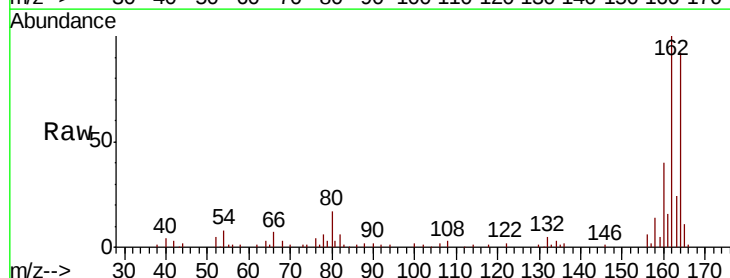


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

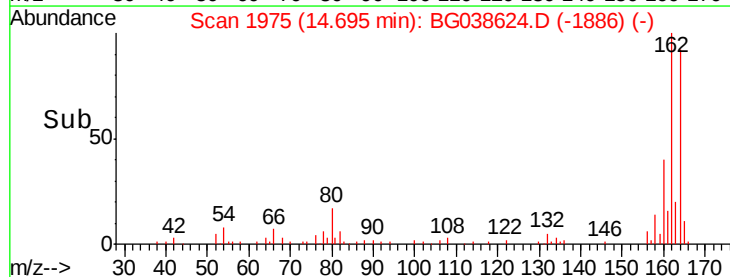
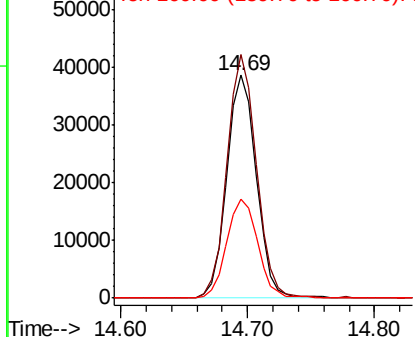


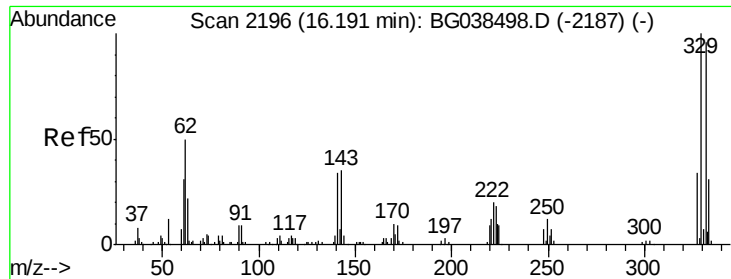
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038624.D
Acq: 16 Dec 2018 4:09

Tgt Ion:164 Resp: 62085
Ion Ratio Lower Upper
164 100
162 109.1 86.6 130.0
160 44.2 34.2 51.2



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: 144.029 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038624.D

Acq: 16 Dec 2018 4:09

Instrument :

BNA_G

ClientSampled :

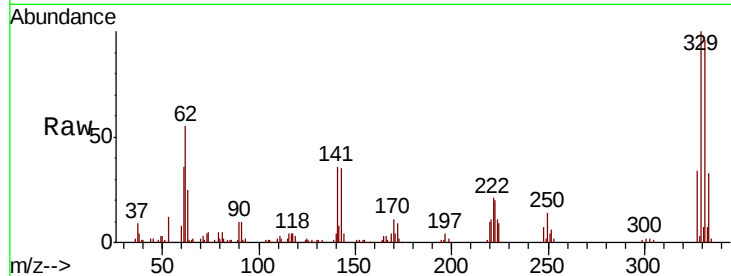
Tot Ion:330 Resp: 123237

Ion Ratio Lower Upper

330 100

332 95.3 76.9 115.3

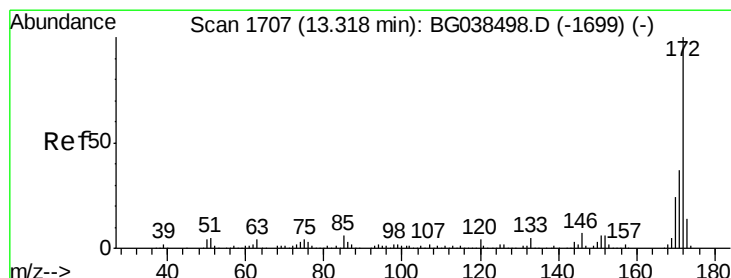
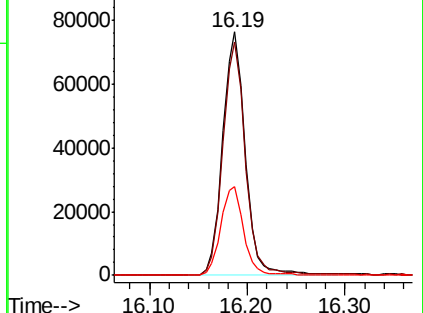
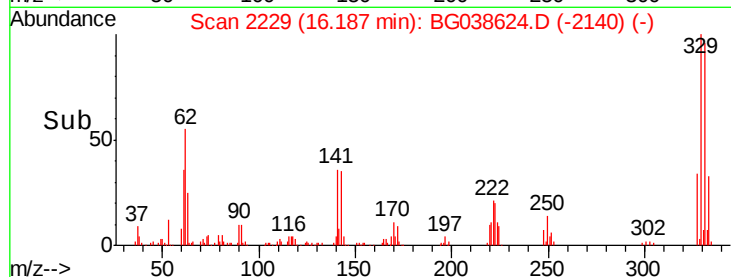
141 36.9 28.8 43.2



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: 95.703 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG038624.D

Acq: 16 Dec 2018 4:09

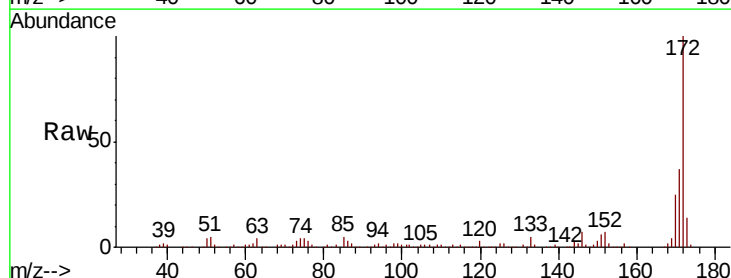
Tgt Ion:172 Resp: 433120

Ion Ratio Lower Upper

172 100

171 37.1 29.8 44.6

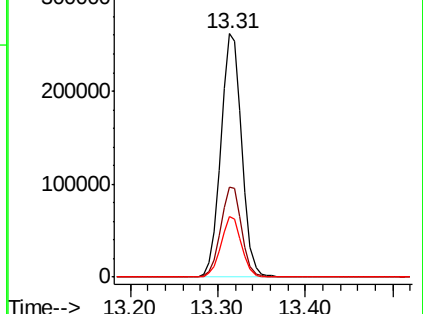
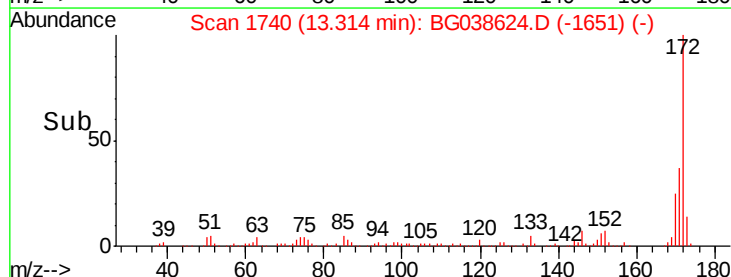
170 24.7 19.5 29.3

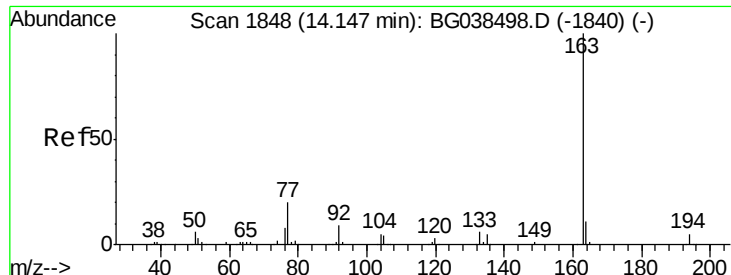


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.057 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BG038624.D

Acq: 16 Dec 2018 4:09

Instrument :

BNA_G

ClientSampleId :

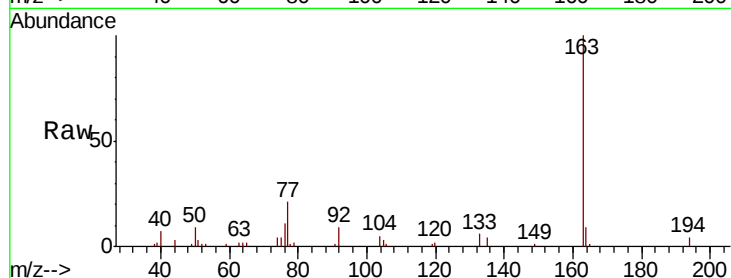
Tot Ion:163 Resp: 30709

Ion Ratio Lower Upper

163 100

194 3.9 3.7 5.5

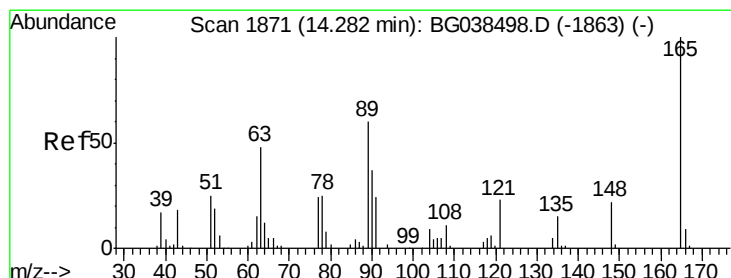
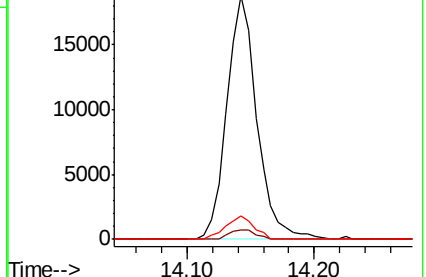
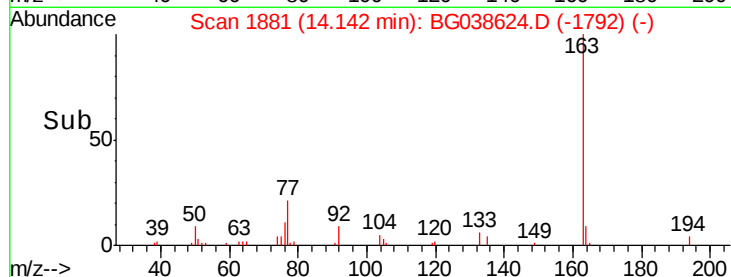
164 9.5 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 6.737 ng

RT: 14.69 min Scan# 1975

Delta R.T. 0.41 min

Lab File: BG038624.D

Acq: 16 Dec 2018 4:09

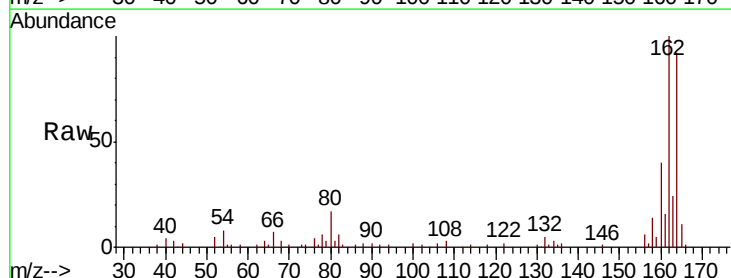
Tgt Ion:165 Resp: 7741

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.6#

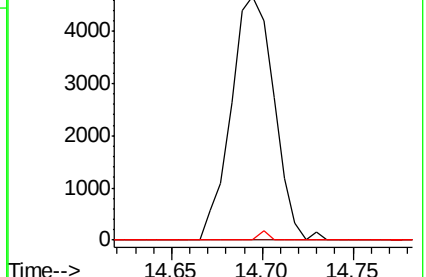
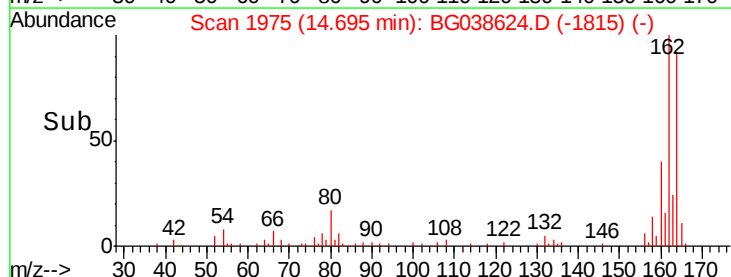
89 0.0 47.9 71.9#

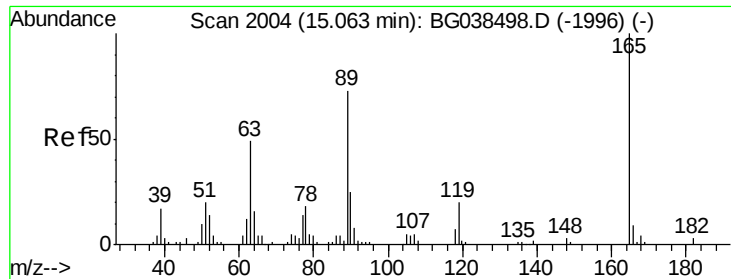


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

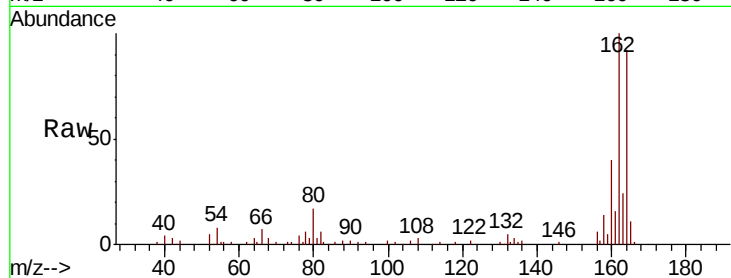




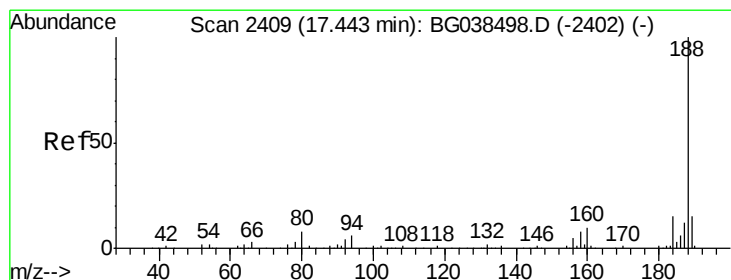
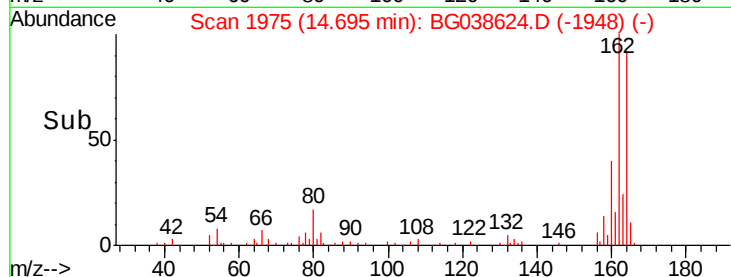
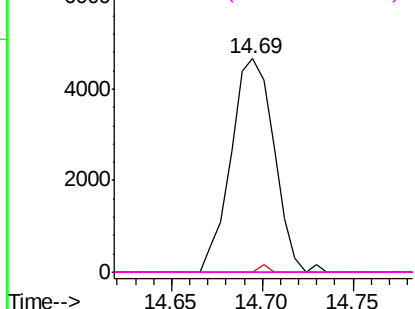
#57
 2,4-Dinitrotoluene
 Concen: 4.784 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038624.D
 Acq: 16 Dec 2018 4:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7741
 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#

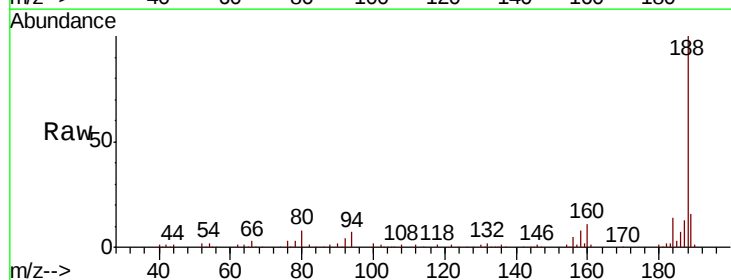


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

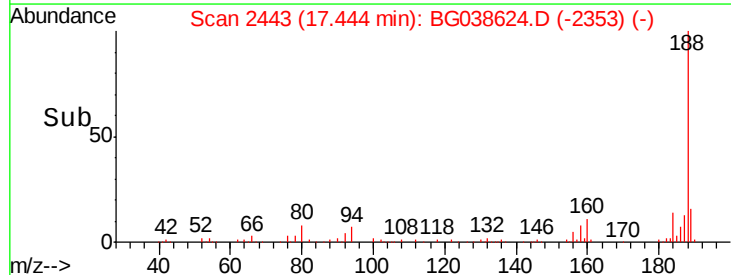
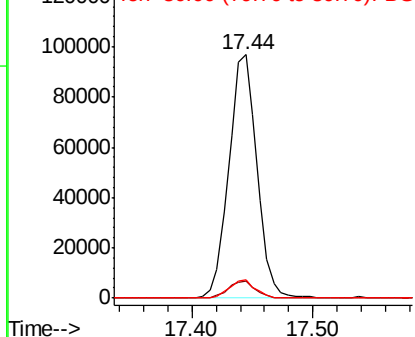


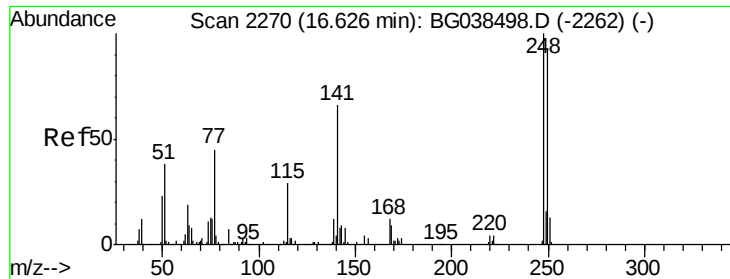
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038624.D
 Acq: 16 Dec 2018 4:09

Tgt Ion:188 Resp: 156573
 Ion Ratio Lower Upper
 188 100
 94 7.0 5.1 7.7
 80 7.7 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

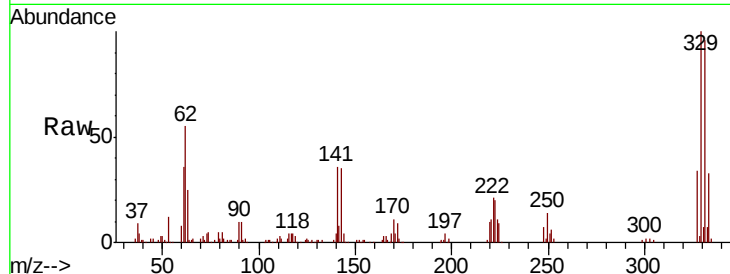




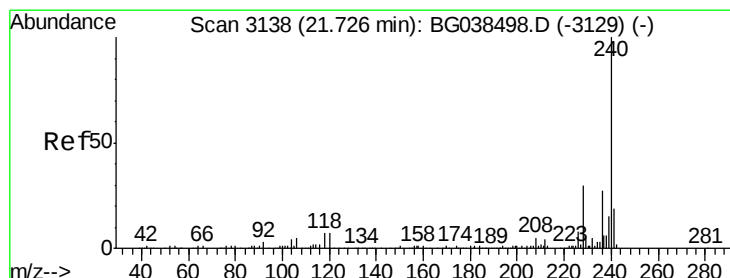
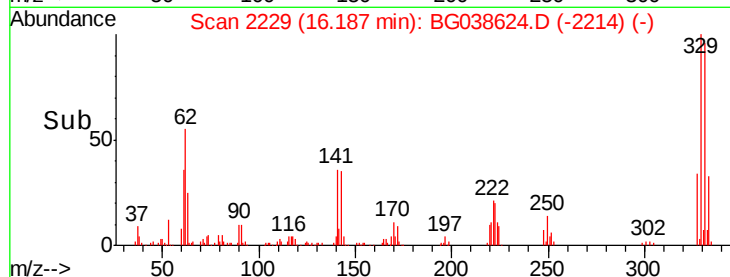
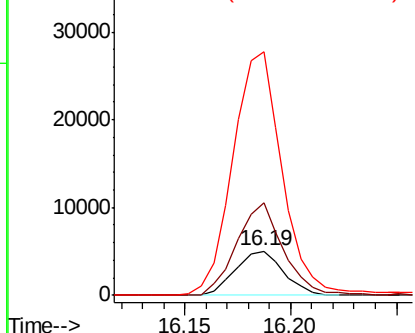
#67
4-Bromophenyl-phenylether
Concen: 4.138 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038624.D
Acq: 16 Dec 2018 4:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 7913
Ion Ratio Lower Upper
248 100
250 208.3 73.4 110.2#
141 424.4 52.9 79.3#

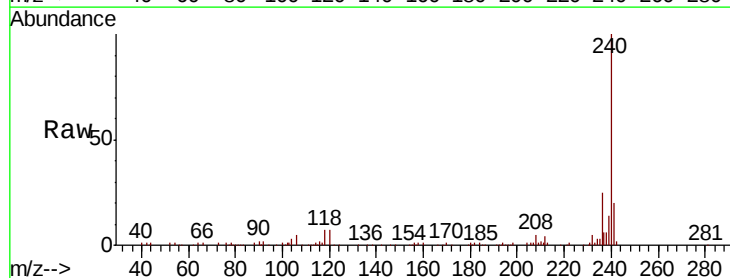


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

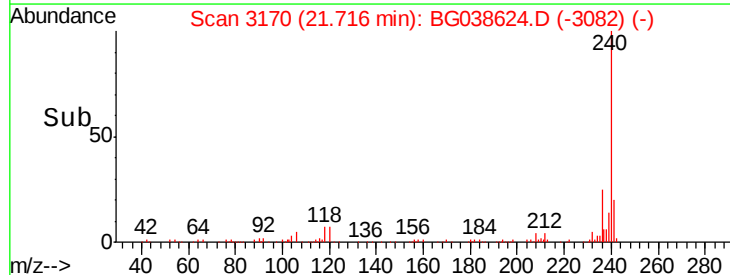
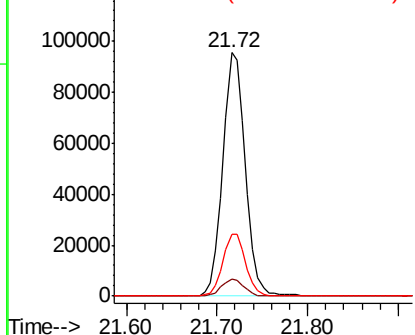


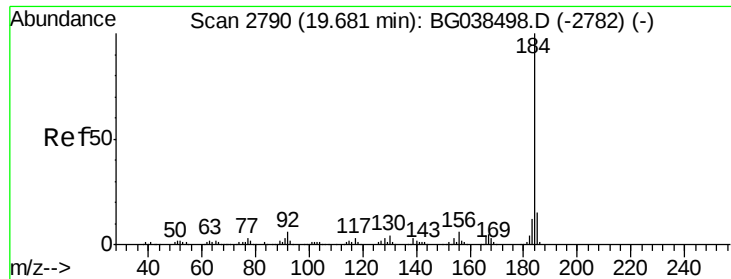
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038624.D
Acq: 16 Dec 2018 4:09

Tgt Ion:240 Resp: 164262
Ion Ratio Lower Upper
240 100
120 7.0 5.3 7.9
236 25.2 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: 2.889 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038624.D

Acq: 16 Dec 2018 4:09

Instrument :

BNA_G

ClientSampled :

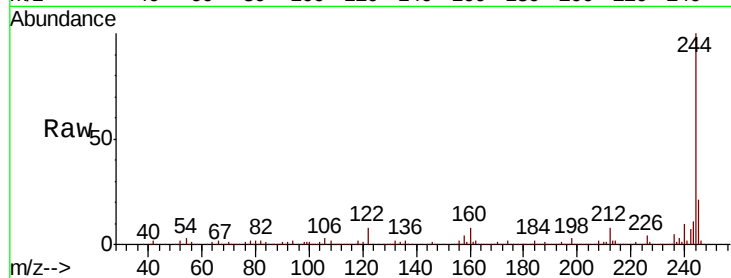
Tot Ion:184 Resp: 14036

Ion Ratio Lower Upper

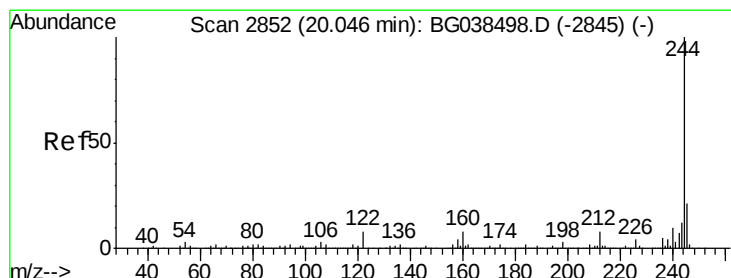
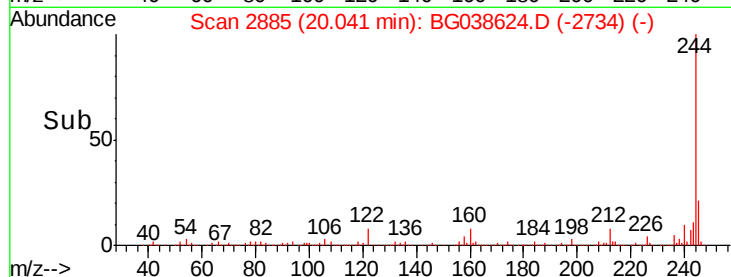
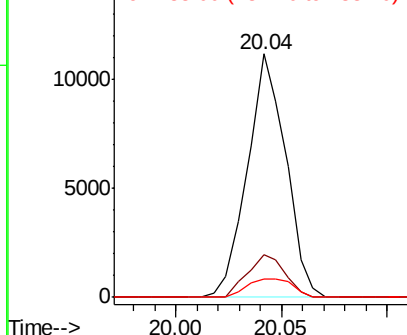
184 100

185 17.3 12.2 18.2

183 7.7 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: 103.238 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038624.D

Acq: 16 Dec 2018 4:09

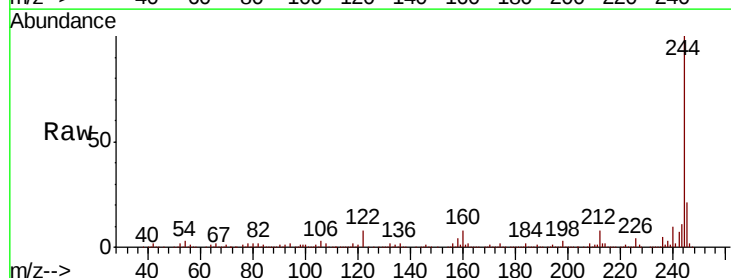
Tgt Ion:244 Resp: 779208

Ion Ratio Lower Upper

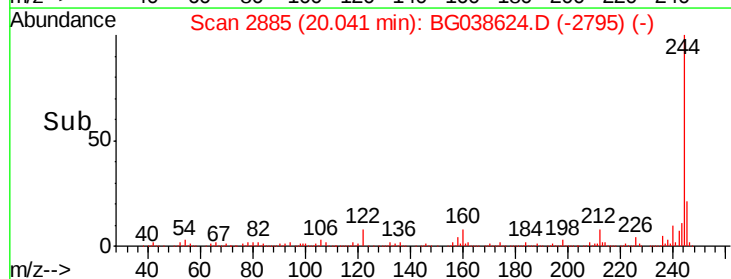
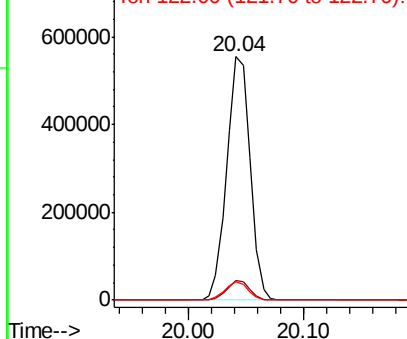
244 100

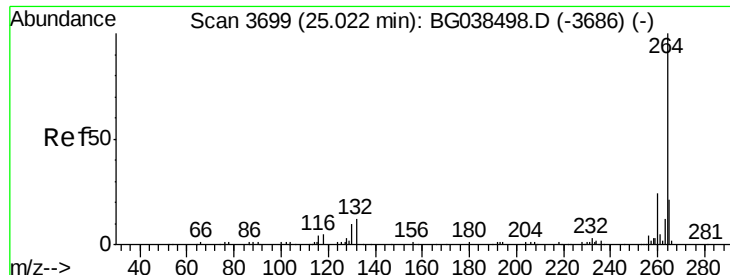
212 8.3 6.2 9.2

122 7.8 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

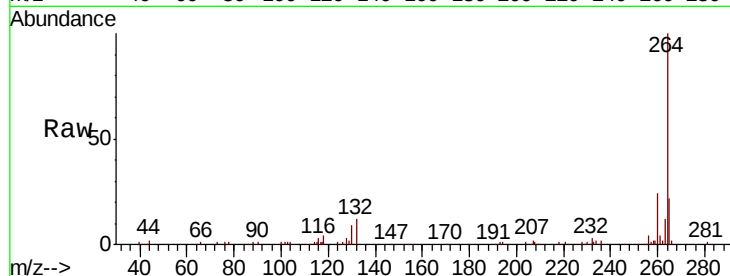




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3731
 Delta R.T. -0.01 min
 Lab File: BG038624.D
 Acq: 16 Dec 2018 4:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	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

