

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\
 Data File : BG038643.D
 Acq On : 16 Dec 2018 16:44
 Operator : JU/SJ
 Sample : J6388-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 05:51:10 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

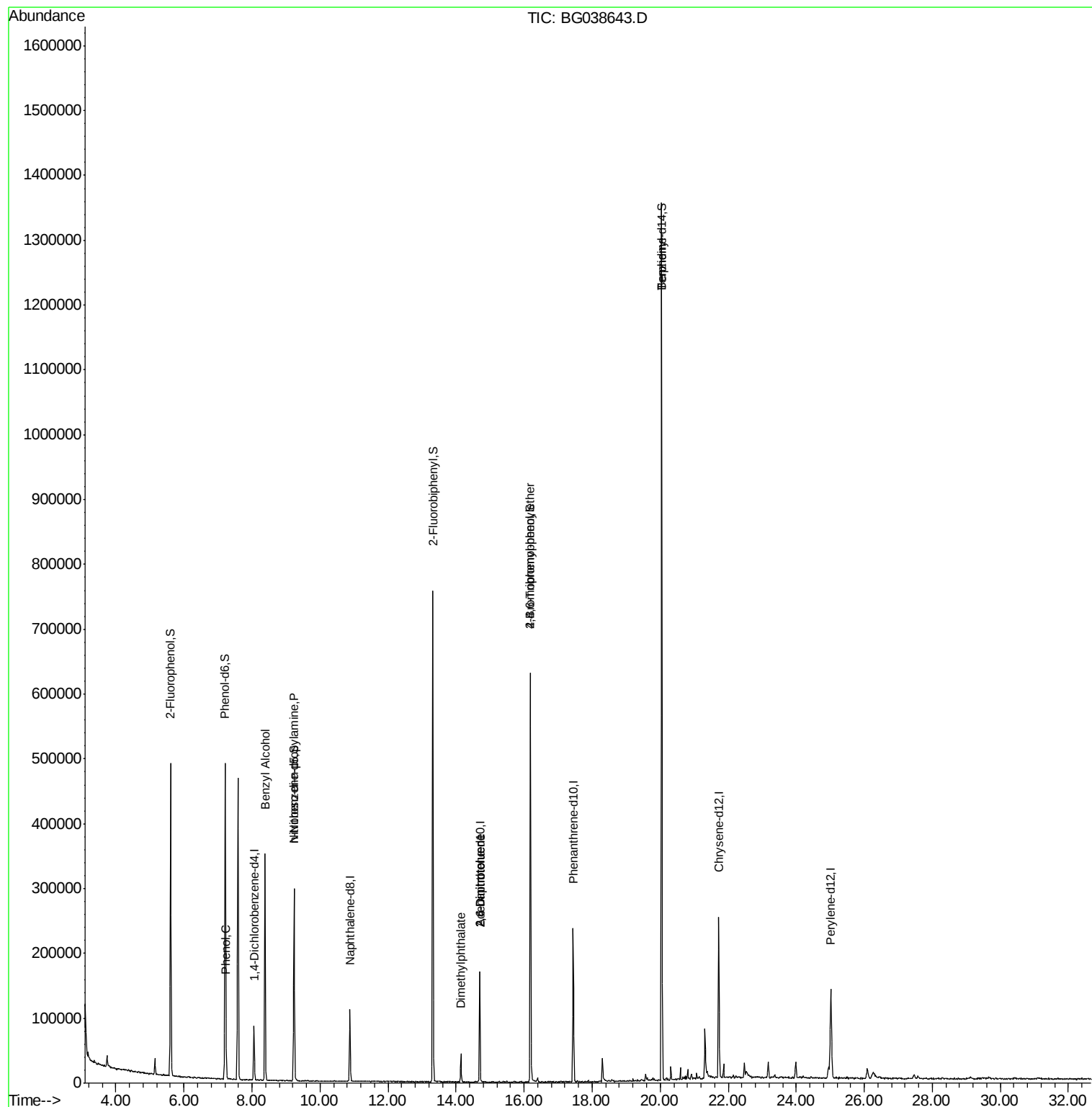
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23491	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	95889	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	64266	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	154848	20.00	ng	0.00
76) Chrysene-d12	21.72	240	152824	20.00	ng	0.00
87) Perylene-d12	25.02	264	161772	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	196201	148.14	ng	0.00
7) Phenol-d6	7.21	99	267424	147.08	ng	0.00
23) Nitrobenzene-d5	9.24	82	177695	94.67	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	120976	136.59	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	403019	86.03	ng	0.00
79) Terphenyl-d14	20.04	244	649156	92.44	ng	0.00
Target Compounds						
10) Phenol	7.24	94	13975	7.235	ng	95
15) Benzyl Alcohol	8.38	79	2914	2.053	ng	# 59
19) n-Nitroso-di-n-propylamine	9.24	70	24014	18.805	ng	# 70
50) Dimethylphthalate	14.14	163	32213	6.138	ng	97
51) 2,6-Dinitrotoluene	14.70	165	7818	6.573	ng	# 22
57) 2,4-Dinitrotoluene	14.70	165	7818	4.667	ng	# 24
67) 4-Bromophenyl-phenylether	16.18	248	7730	4.087	ng	# 1
77) Benzidine	20.04	184	12141	2.686	ng	95

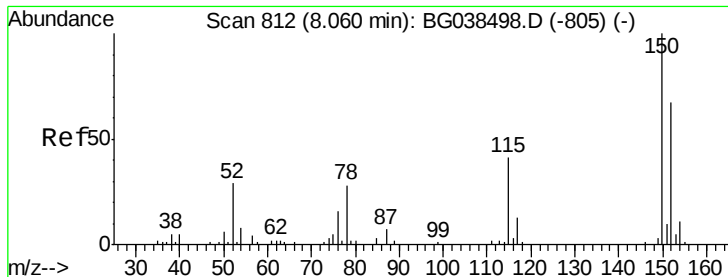
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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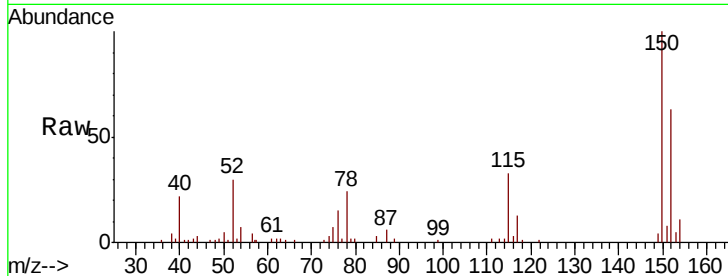


#1

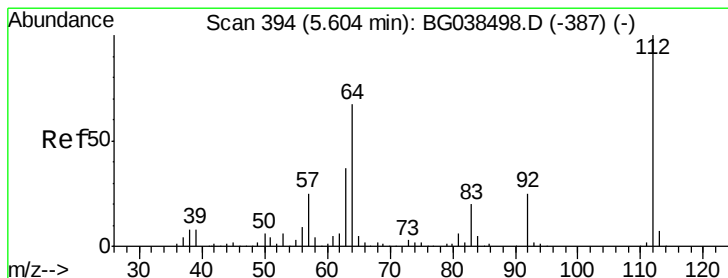
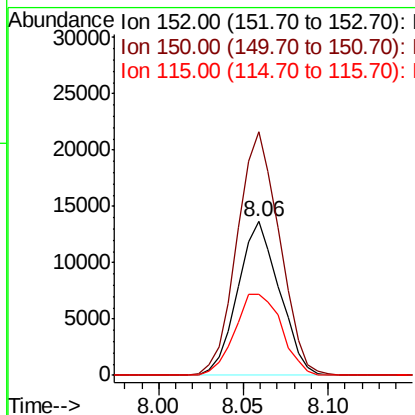
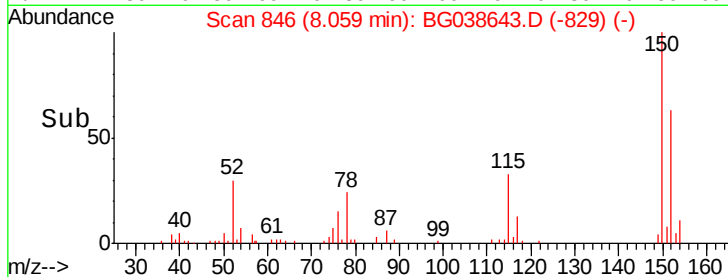
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038643.D
Acq: 16 Dec 2018 16:44

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23491
Ion Ratio Lower Upper
152 100
150 158.6 119.5 179.3
115 52.7 49.6 74.4



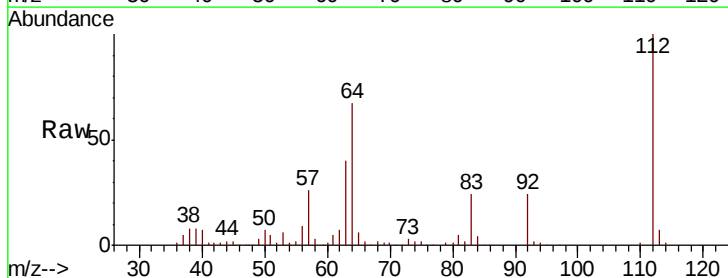
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



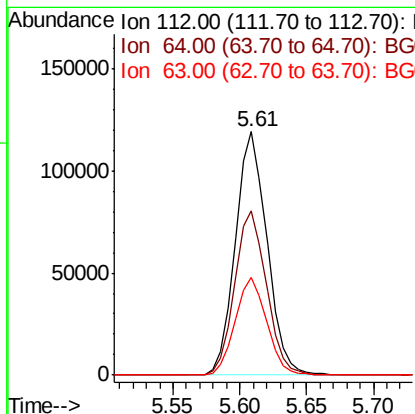
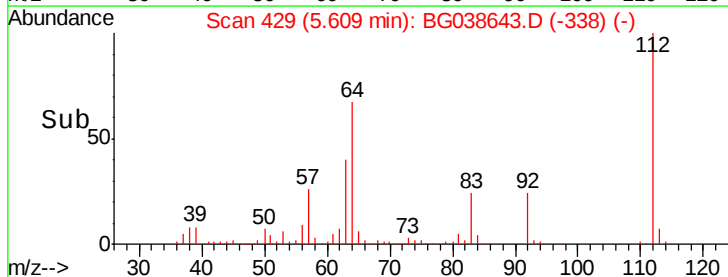
#5

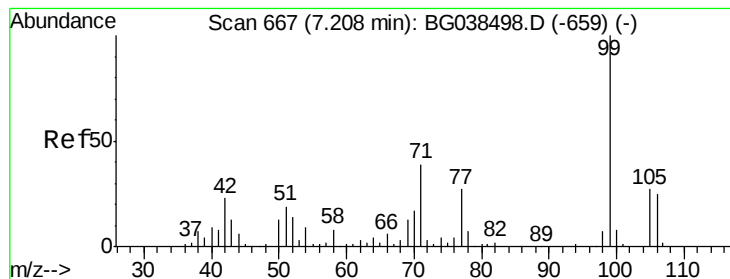
2-Fluorophenol
Concen: 148.139 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038643.D
Acq: 16 Dec 2018 16:44

Tgt Ion:112 Resp: 196201
Ion Ratio Lower Upper
112 100
64 67.3 53.4 80.2
63 40.2 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: 147.081 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

Instrument :

BNA_G

ClientSampleId :

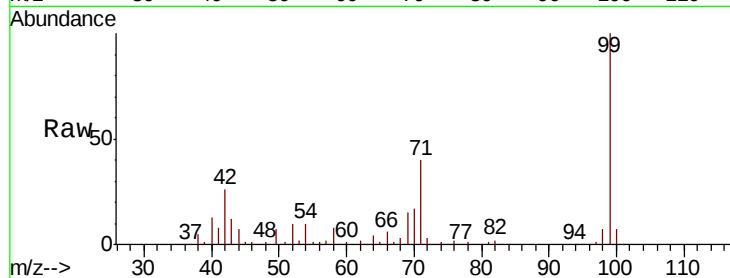
Tot Ion: 99 Resp: 267424

Ion Ratio Lower Upper

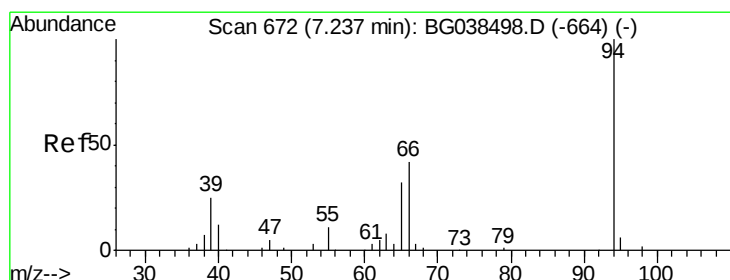
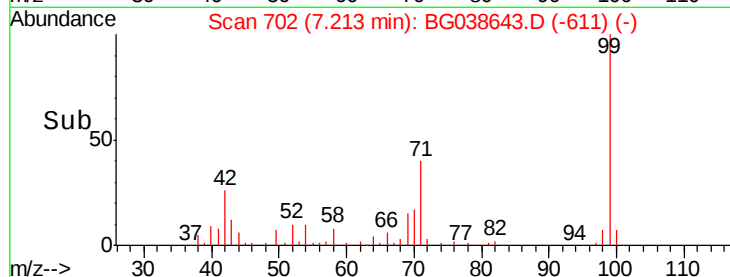
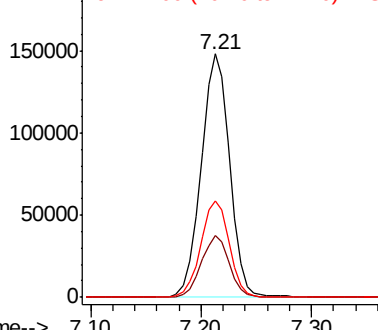
99 100

42 25.6 18.5 27.7

71 39.9 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: 7.235 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

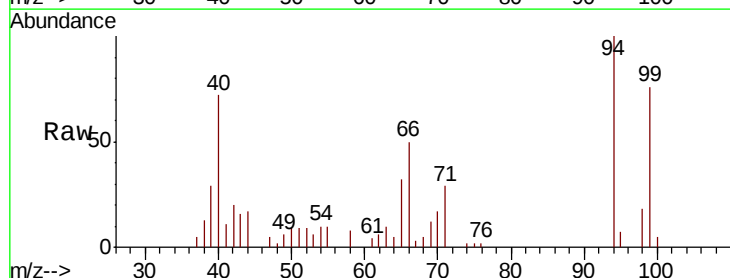
Tgt Ion: 94 Resp: 13975

Ion Ratio Lower Upper

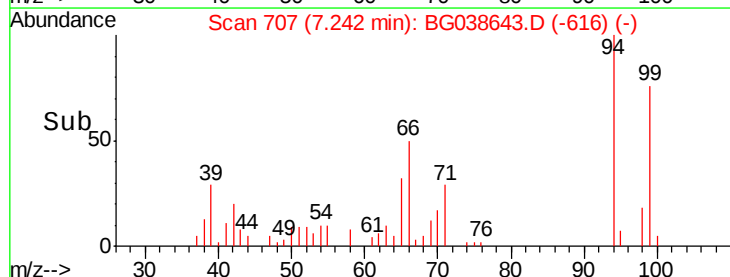
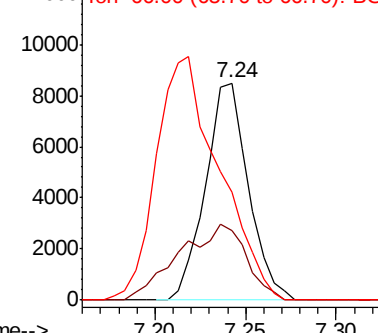
94 100

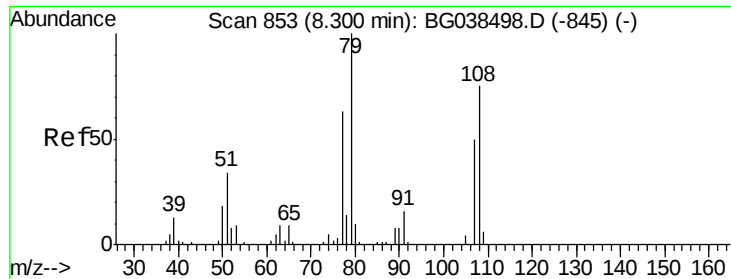
65 32.2 12.6 52.6

66 49.6 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: 2.053 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

Instrument :

BNA_G

ClientSampled :

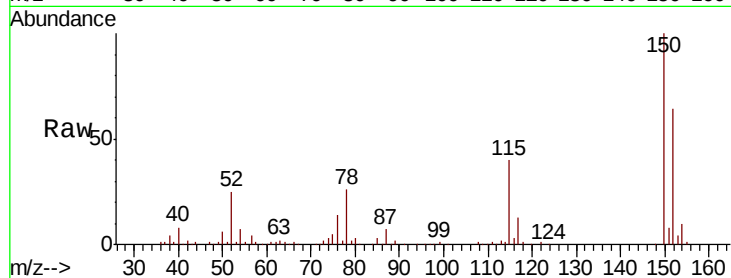
Tot Ion: 79 Resp: 2914

Ion Ratio Lower Upper

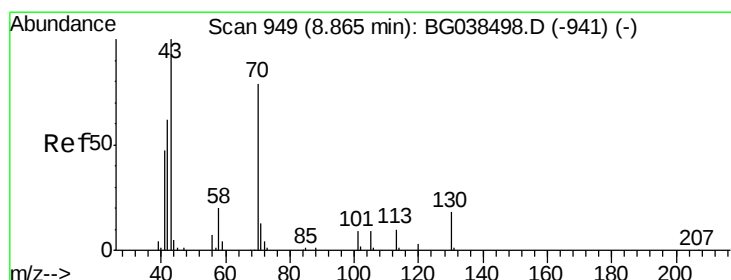
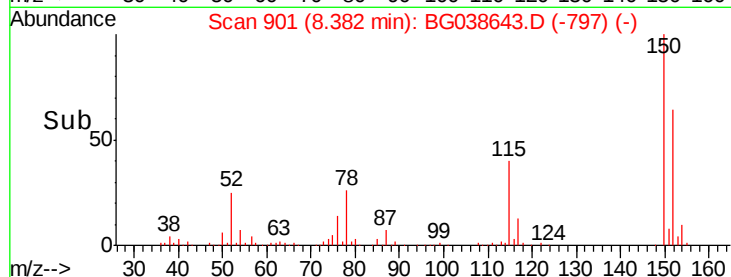
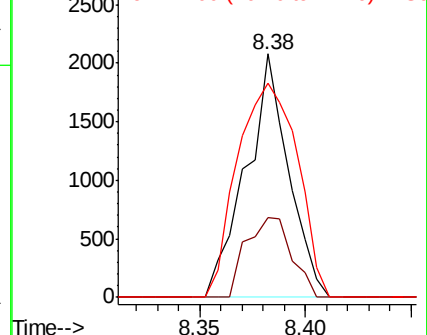
79 100

108 32.9 60.2 90.4#

77 88.0 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: 18.805 ng

RT: 9.24 min Scan# 1047

Delta R.T. 0.38 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

Tgt Ion: 70 Resp: 24014

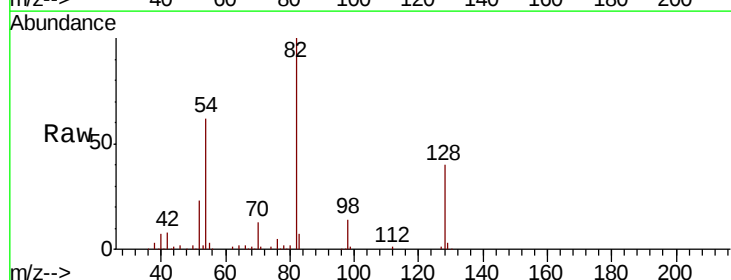
Ion Ratio Lower Upper

70 100

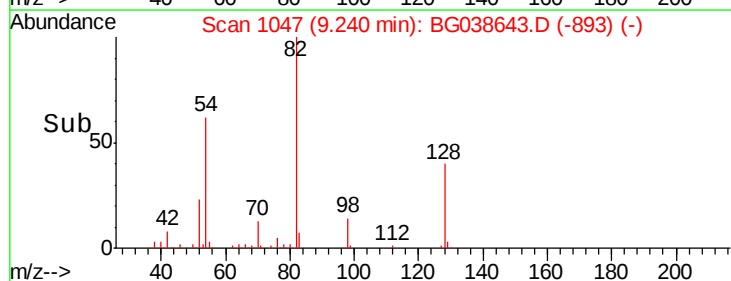
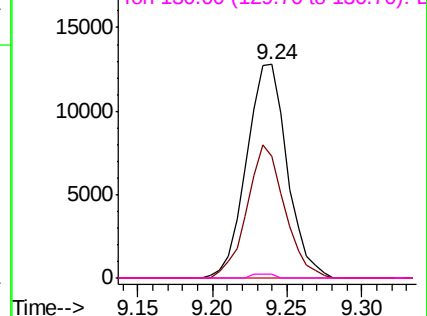
42 56.7 63.6 95.4#

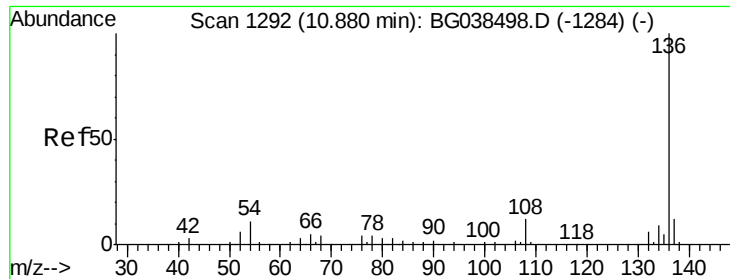
101 0.0 9.2 13.8#

130 1.7 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

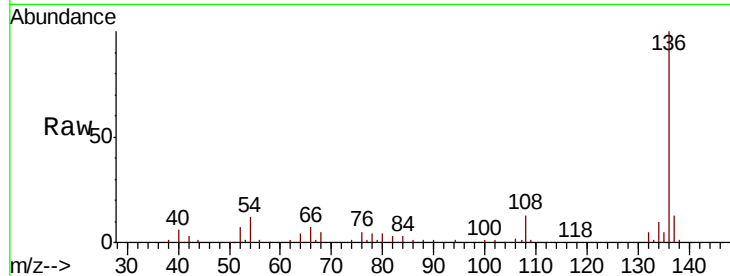




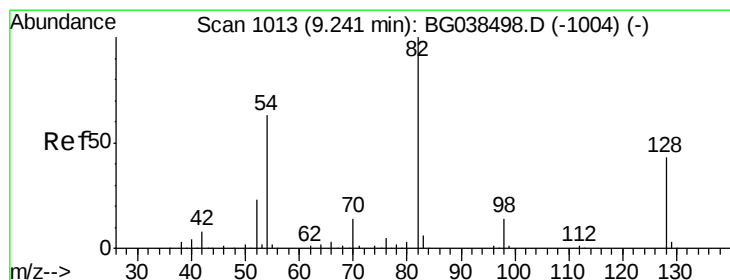
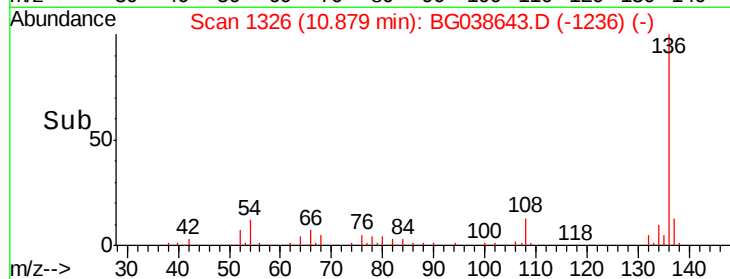
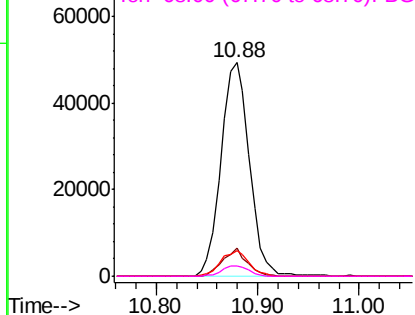
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038643.D
Acq: 16 Dec 2018 16:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	95889
Ion	Ratio	Lower Upper
136	100	
137	13.1	9.3 13.9
54	11.8	8.5 12.7
68	5.0	3.5 5.3

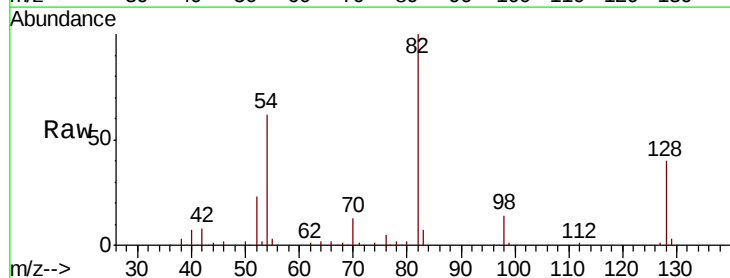


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

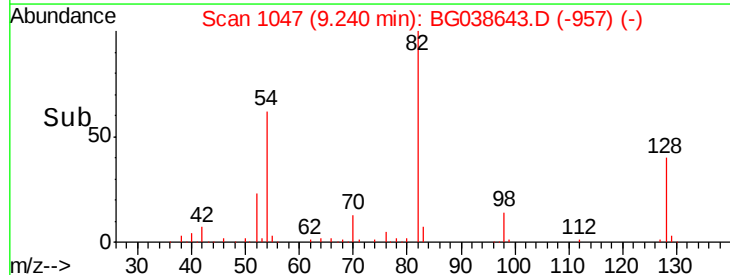
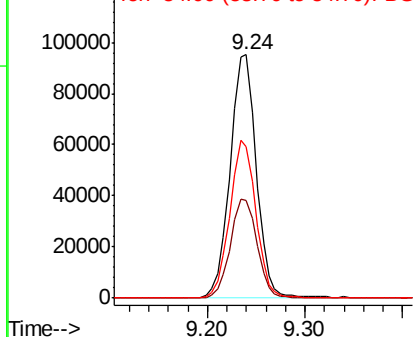


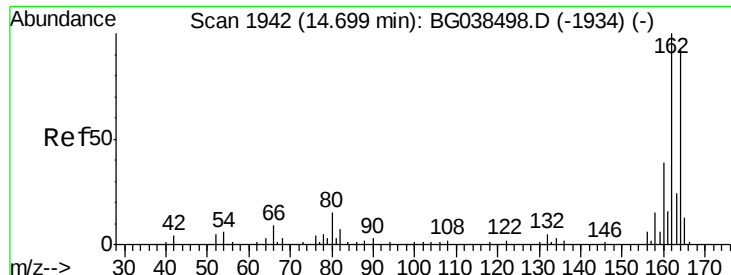
#23
Nitrobenzene-d5
Concen: 94.671 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038643.D
Acq: 16 Dec 2018 16:44

Tgt Ion: 82	Resp:	177695
Ion	Ratio	Lower Upper
82	100	
128	40.3	34.6 52.0
54	62.0	50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
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. -0.01 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

Instrument :

BNA_G

ClientSampleId :

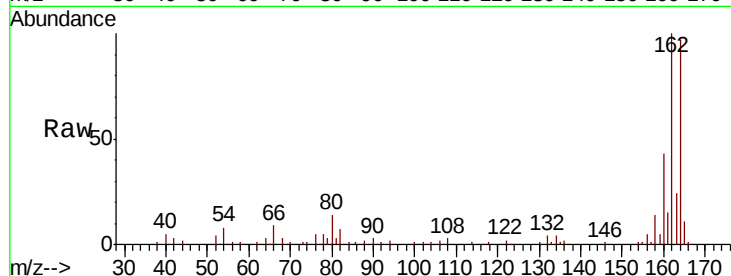
Tot Ion:164 Resp: 64266

Ion Ratio Lower Upper

164 100

162 103.1 86.6 130.0

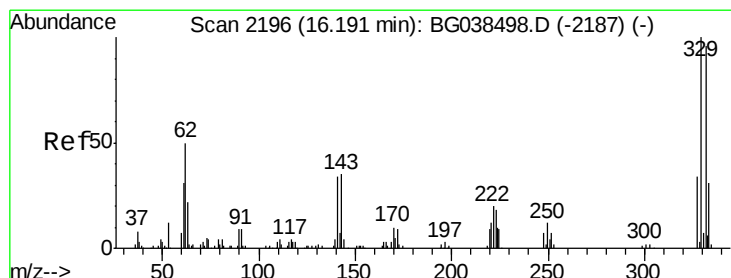
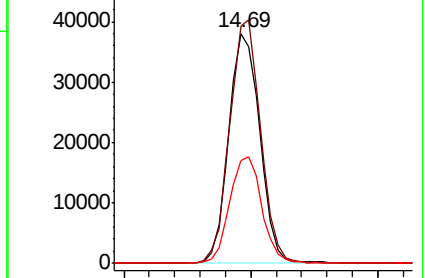
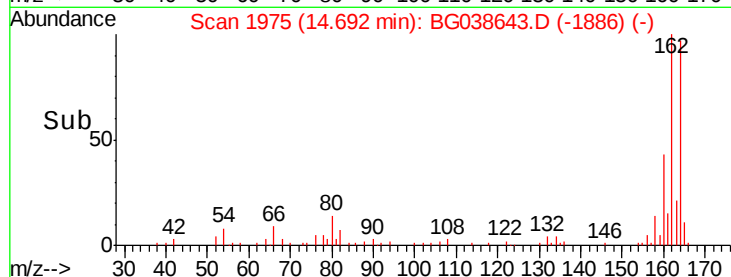
160 44.6 34.2 51.2



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: 136.588 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

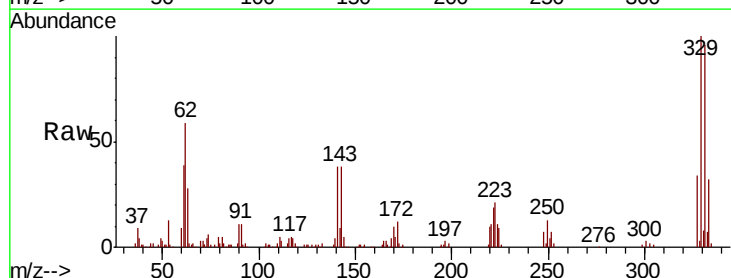
Tgt Ion:330 Resp: 120976

Ion Ratio Lower Upper

330 100

332 95.6 76.9 115.3

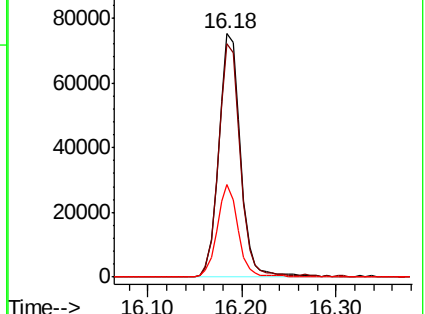
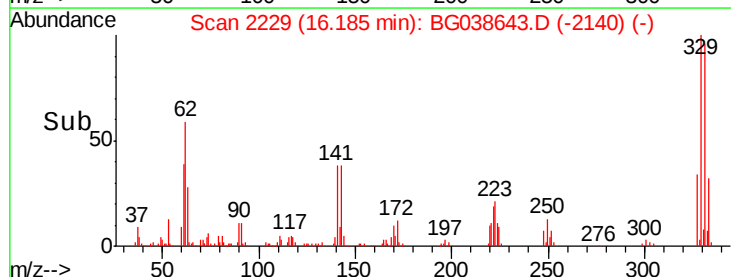
141 36.8 28.8 43.2

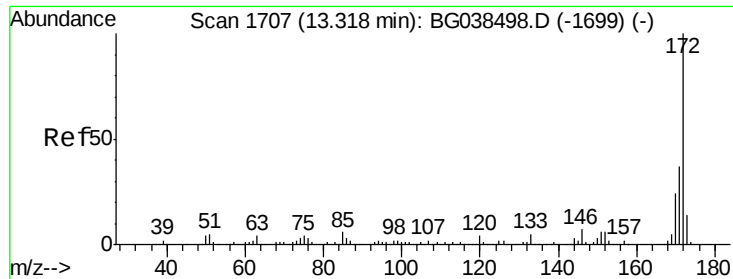


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

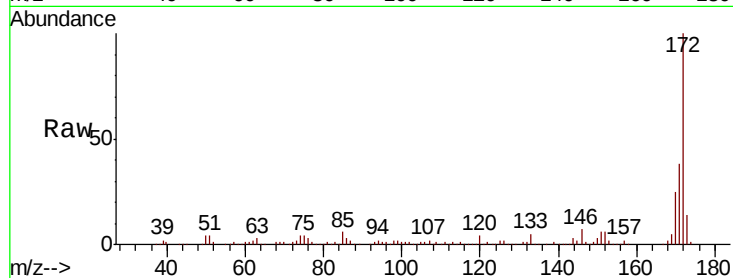




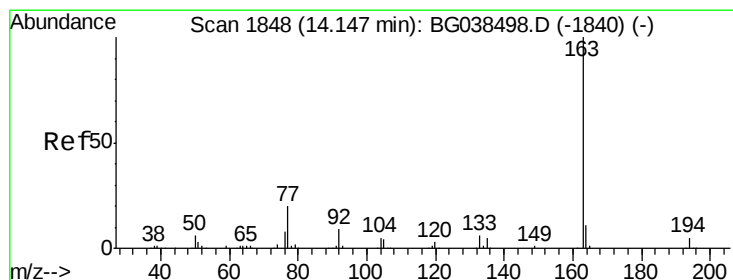
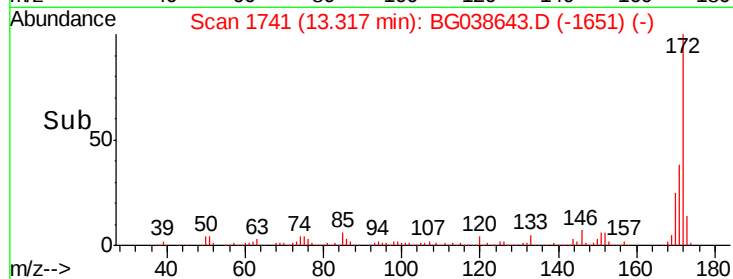
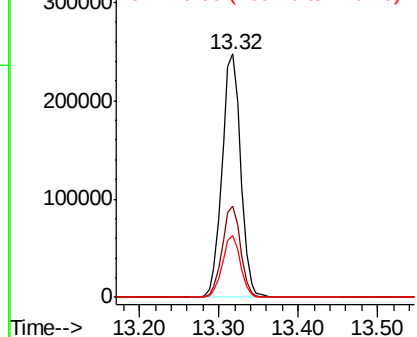
#45
2-Fluorobiphenyl
Concen: 86.030 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038643.D
Acq: 16 Dec 2018 16:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 403019
Ion Ratio Lower Upper
172 100
171 37.7 29.8 44.6
170 25.5 19.5 29.3

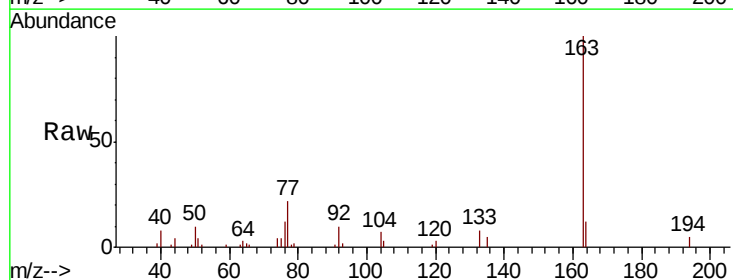


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

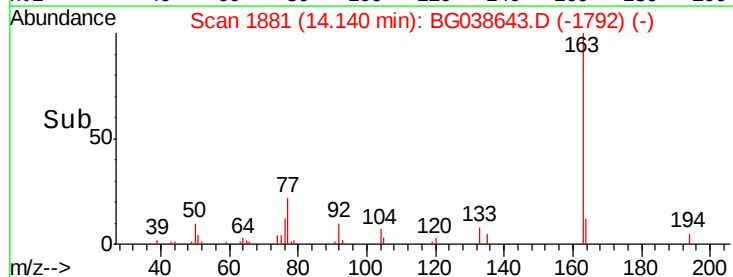
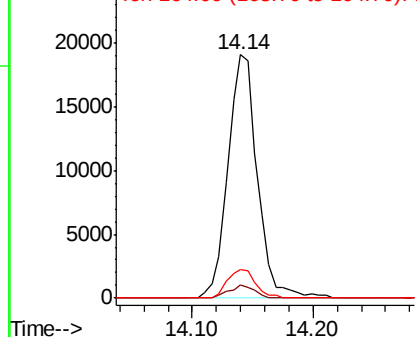


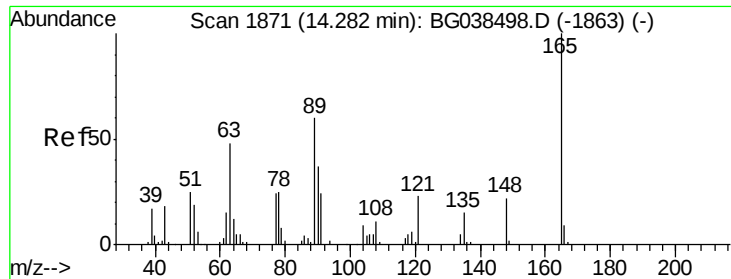
#50
Dimethylphthalate
Concen: 6.138 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038643.D
Acq: 16 Dec 2018 16:44

Tgt Ion:163 Resp: 32213
Ion Ratio Lower Upper
163 100
194 5.2 3.7 5.5
164 11.9 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: 6.573 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.42 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

Instrument :

BNA_G

ClientSampleId :

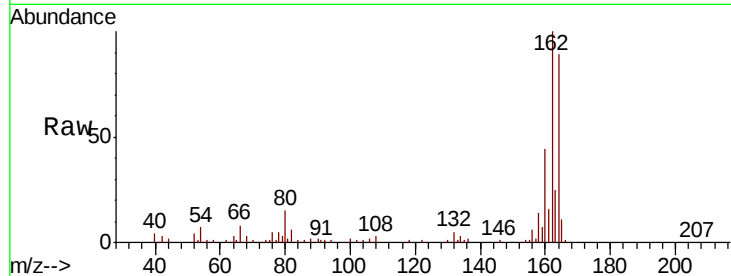
Tot Ion:165 Resp: 7818

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.6#

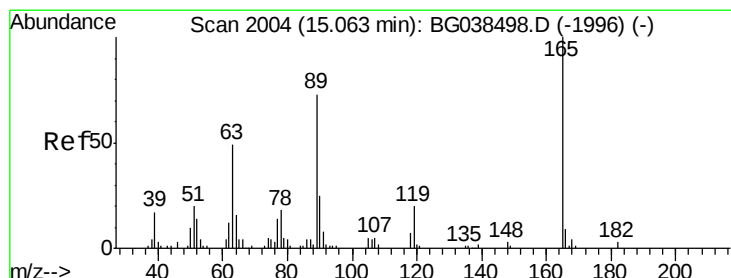
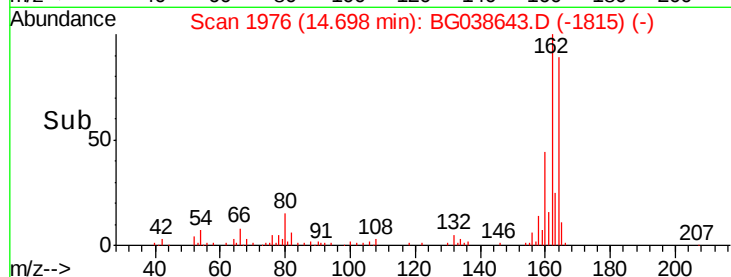
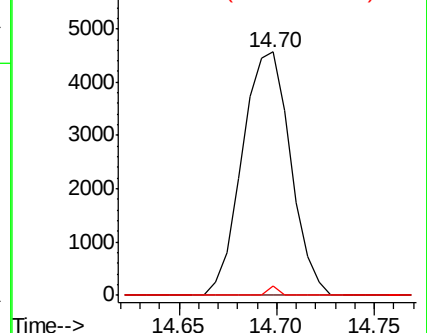
89 3.8 47.9 71.9#



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: 4.667 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.37 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

Tgt Ion:165 Resp: 7818

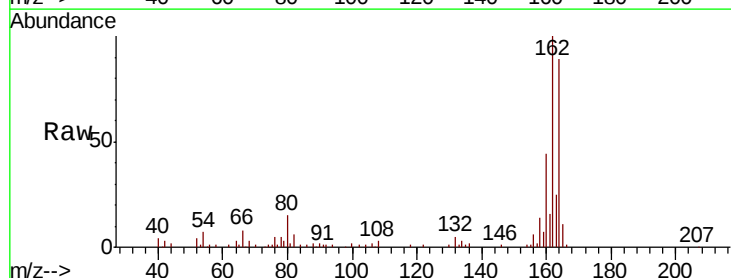
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 3.8 58.0 87.0#

182 0.0 2.3 3.5#

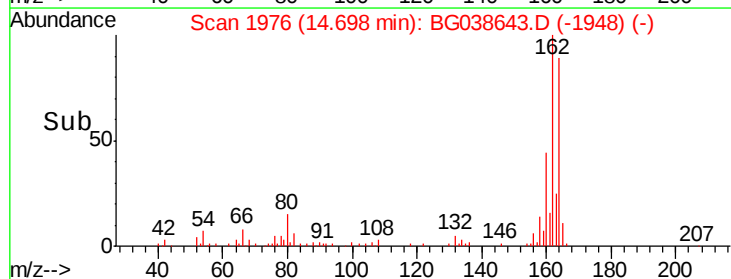
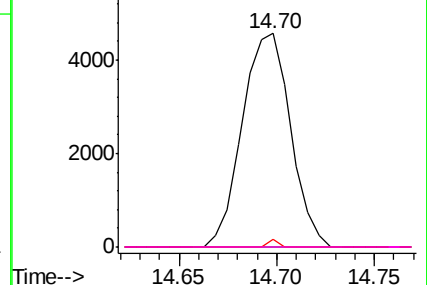


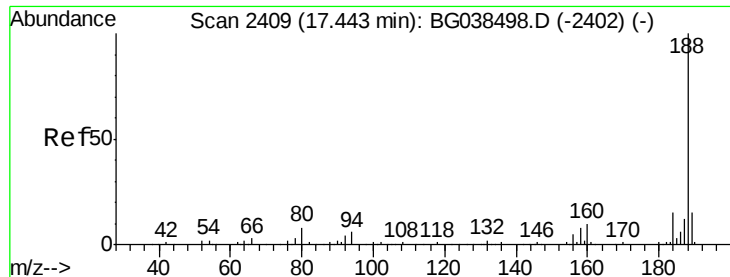
Abundance Ion 165.00 (164.70 to 165.70): E

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

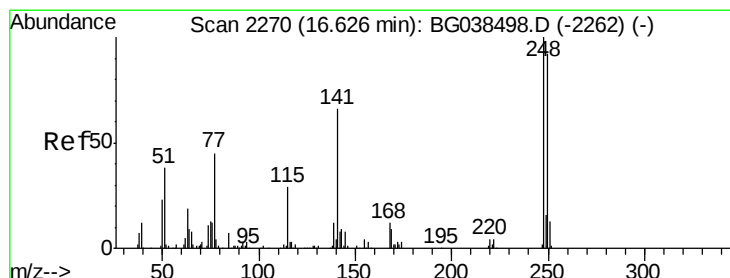
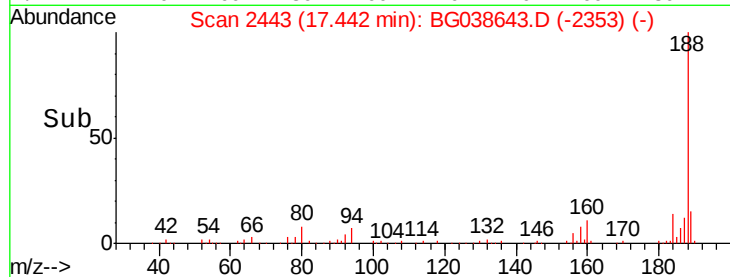
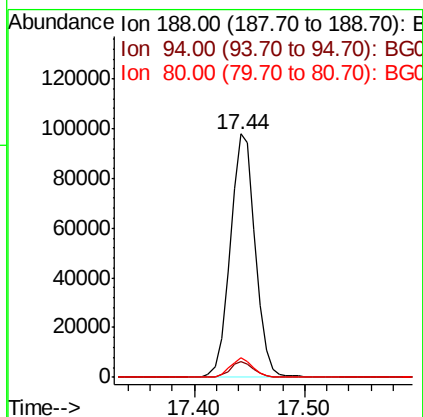
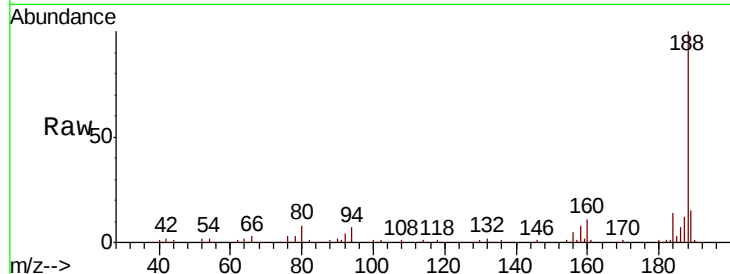




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038643.D
 Acq: 16 Dec 2018 16:44

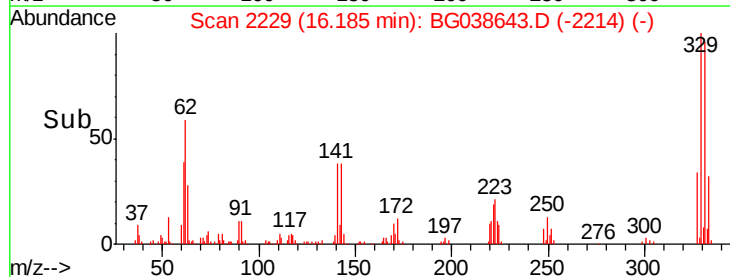
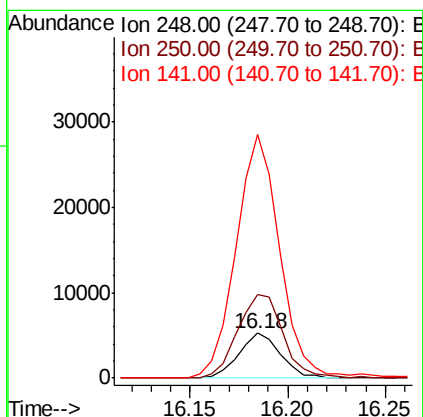
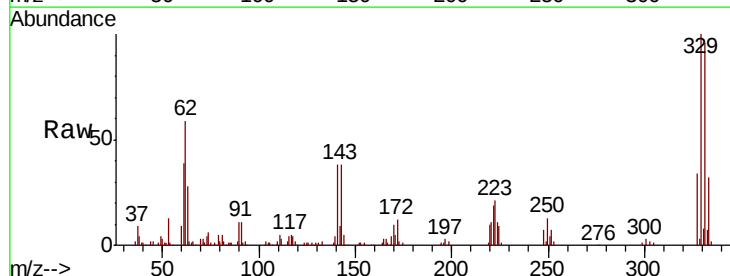
Instrument :
 BNA_G
 ClientSampleId :

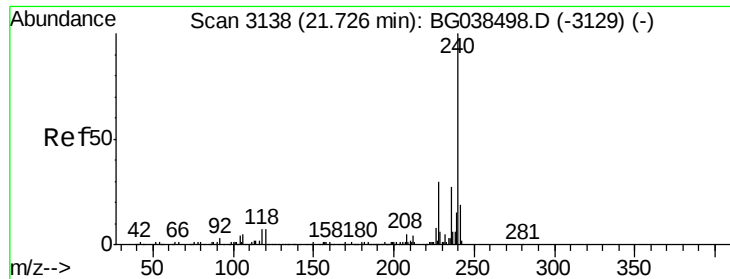
Tot Ion:188 Resp: 154848
 Ion Ratio Lower Upper
 188 100
 94 6.6 5.1 7.7
 80 8.0 6.1 9.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.087 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038643.D
 Acq: 16 Dec 2018 16:44

Tgt Ion:248 Resp: 7730
 Ion Ratio Lower Upper
 248 100
 250 192.3 73.4 110.2#
 141 428.1 52.9 79.3#

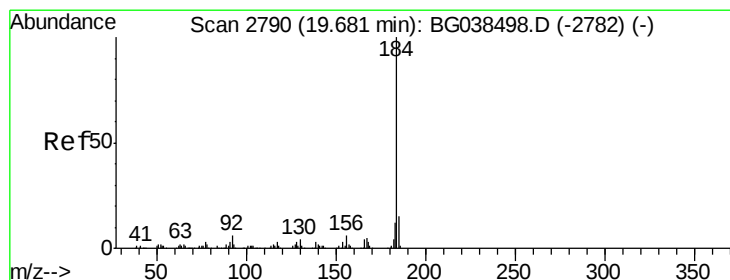
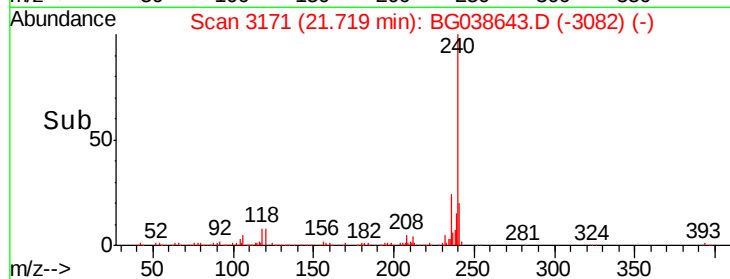
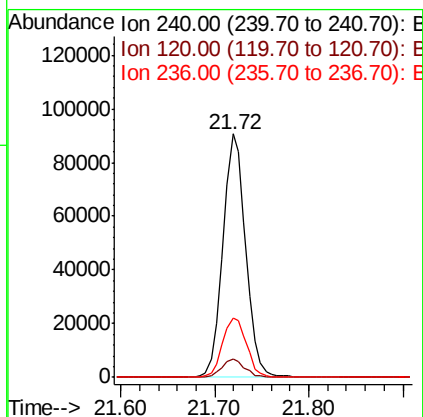
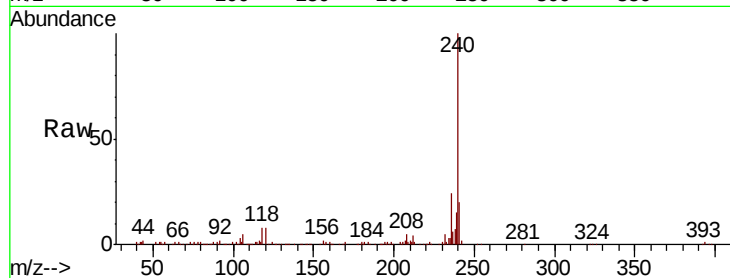




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038643.D
 Acq: 16 Dec 2018 16:44

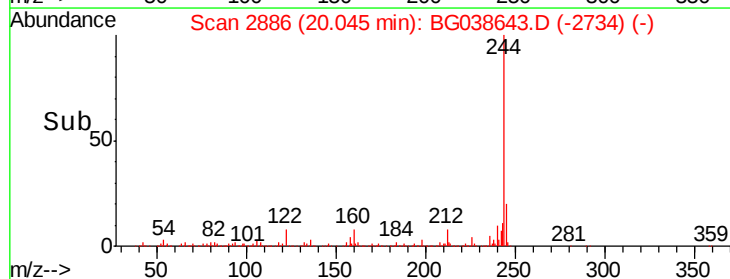
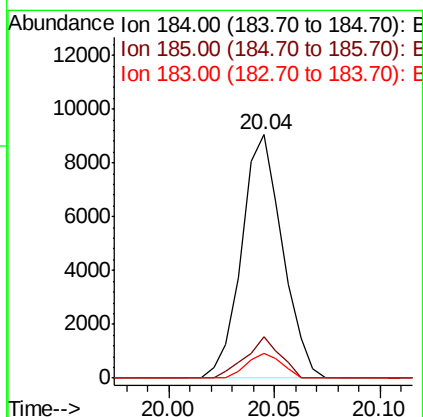
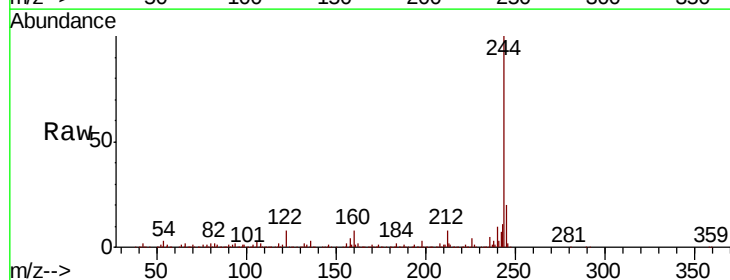
Instrument :
 BNA_G
 ClientSampleId :

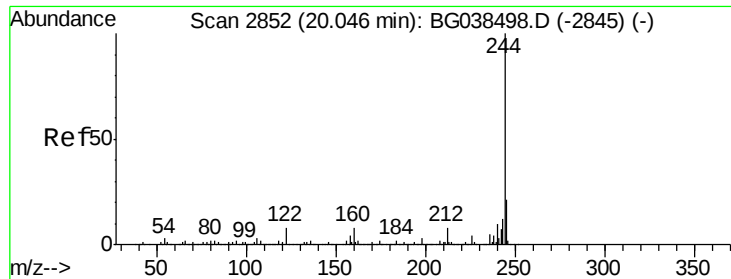
Tot Ion:240 Resp: 152824
 Ion Ratio Lower Upper
 240 100
 120 7.6 5.3 7.9
 236 24.5 21.4 32.2



#77
 Benzidine
 Concen: 2.686 ng
 RT: 20.04 min Scan# 2886
 Delta R.T. 0.36 min
 Lab File: BG038643.D
 Acq: 16 Dec 2018 16:44

Tgt Ion:184 Resp: 12141
 Ion Ratio Lower Upper
 184 100
 185 17.2 12.2 18.2
 183 10.3 9.6 14.4





#79

Terphenyl-d14

Concen: 92.445 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

Instrument :

BNA_G

ClientSampleId :

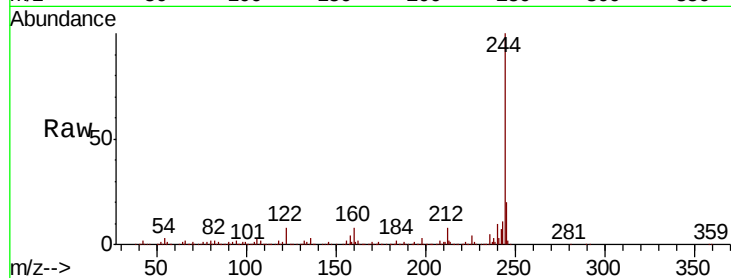
Tot Ion:244 Resp: 649156

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

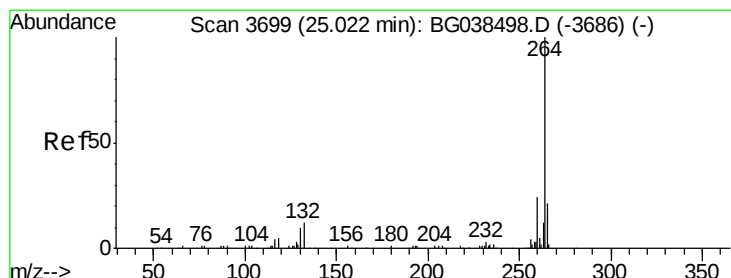
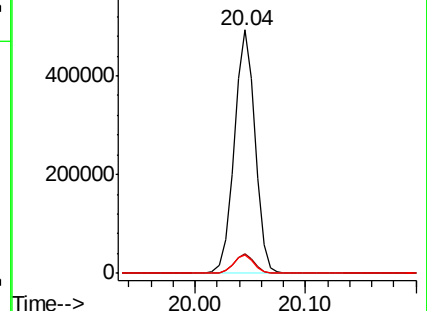
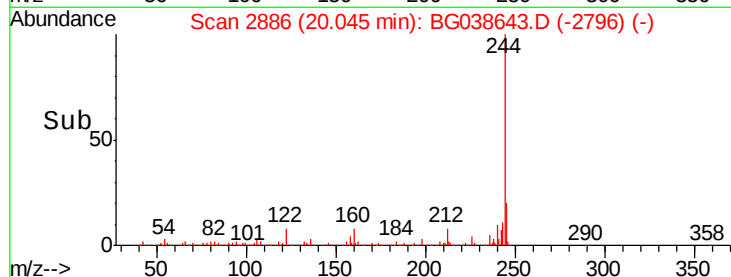
122 7.7 6.3 9.5



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. -0.01 min

Lab File: BG038643.D

Acq: 16 Dec 2018 16:44

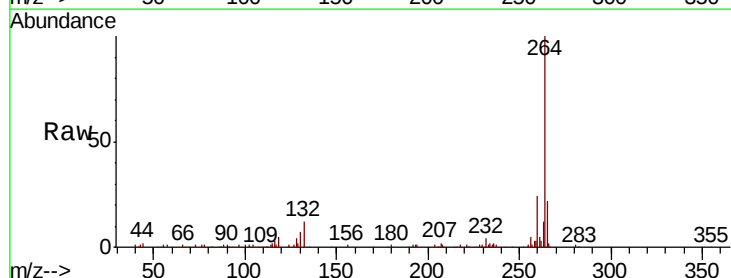
Tgt Ion:264 Resp: 161772

Ion Ratio Lower Upper

264 100

260 24.4 18.9 28.3

265 22.1 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

