

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121518\
 Data File : BG038634.D
 Acq On : 16 Dec 2018 10:47
 Operator : JU/SJ
 Sample : J6397-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 17 02:30:49 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

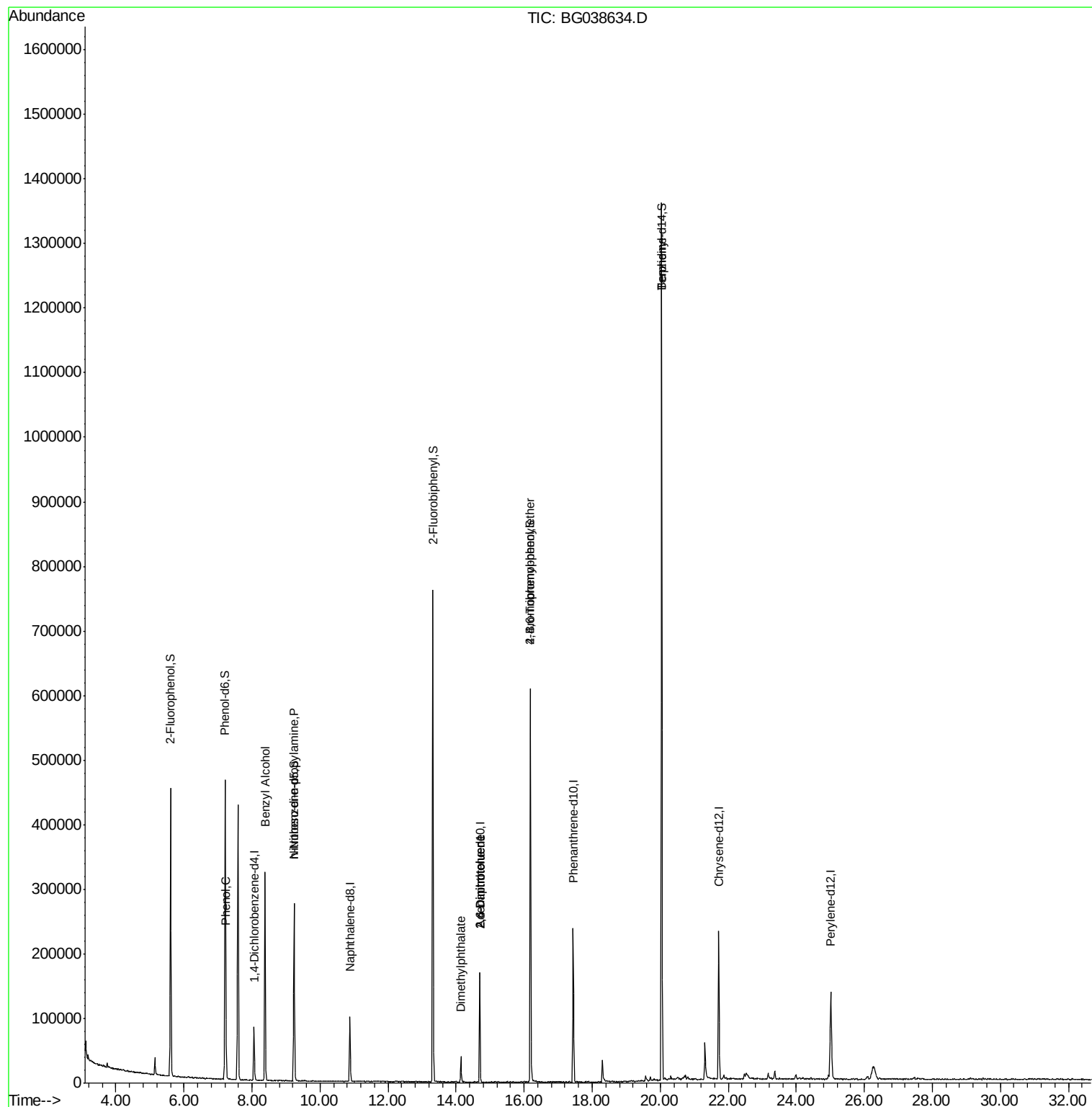
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22609	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	93339	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	61849	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	150907	20.00	ng	0.00
76) Chrysene-d12	21.72	240	145624	20.00	ng	0.00
87) Perylene-d12	25.02	264	163064	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	182282	143.00	ng	0.00
7) Phenol-d6	7.21	99	252463	144.27	ng	0.00
23) Nitrobenzene-d5	9.24	82	166922	91.36	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	119710	140.44	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	408323	90.57	ng	0.00
79) Terphenyl-d14	20.04	244	663682	99.19	ng	0.00
Target Compounds						
10) Phenol	7.24	94	15722	8.457	ng	92
15) Benzyl Alcohol	8.37	79	2748	2.012	ng	# 47
19) n-Nitroso-di-n-propylamine	9.23	70	21986	17.888	ng	# 68
50) Dimethylphthalate	14.14	163	29927	5.925	ng	96
51) 2,6-Dinitrotoluene	14.70	165	7515	6.566	ng	# 21
57) 2,4-Dinitrotoluene	14.70	165	7515	4.662	ng	# 23
67) 4-Bromophenyl-phenylether	16.18	248	7886	4.279	ng	# 1
77) Benzidine	20.04	184	12413	2.882	ng	# 96

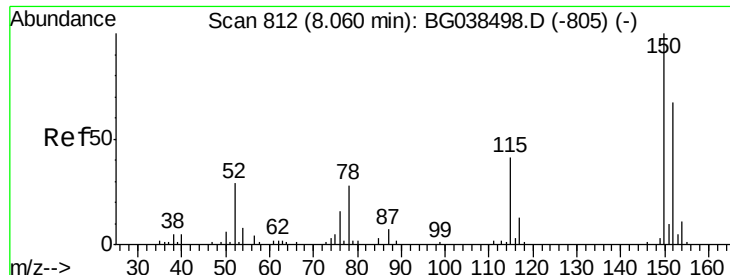
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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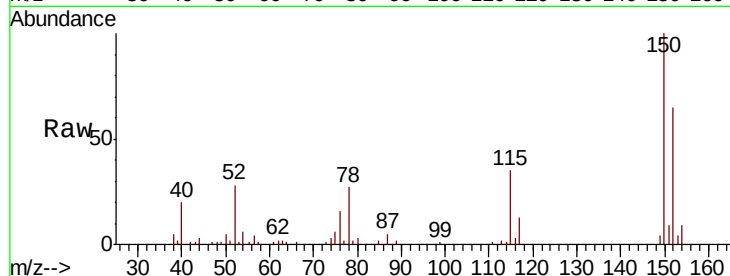


#1

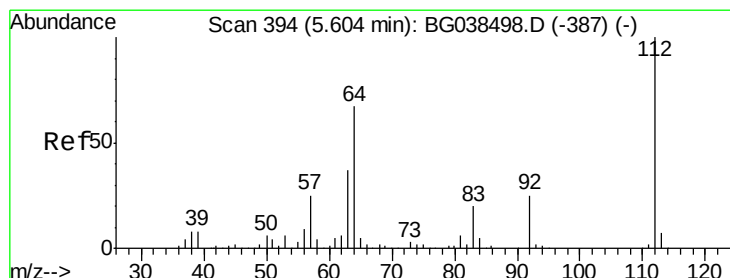
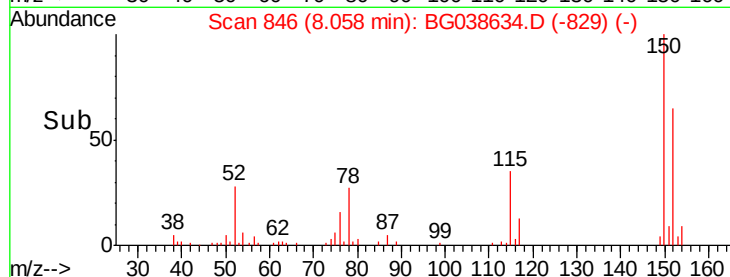
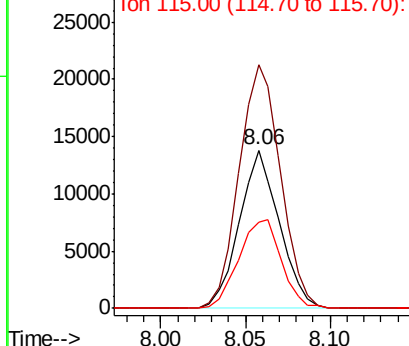
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038634.D
Acq: 16 Dec 2018 10:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 22609
Ion Ratio Lower Upper
152 100
150 154.2 119.5 179.3
115 54.6 49.6 74.4



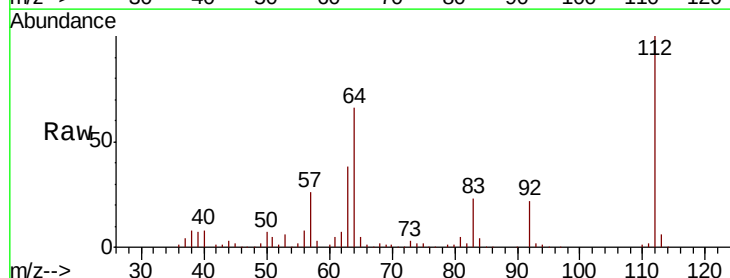
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



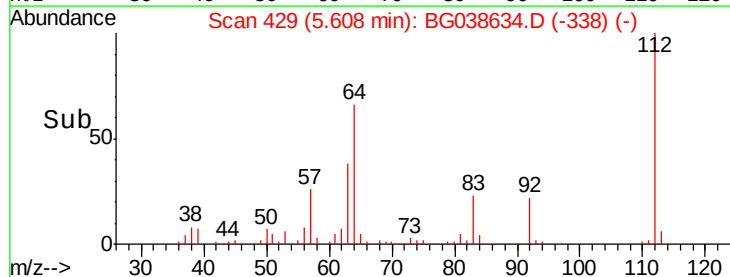
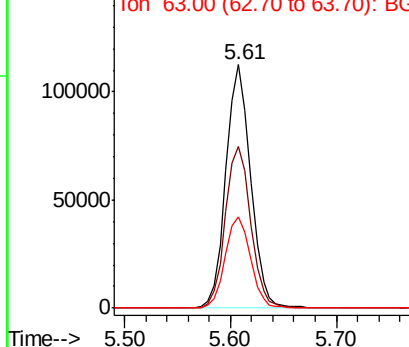
#5

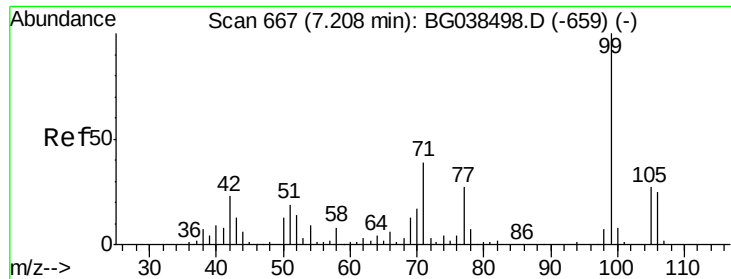
2-Fluorophenol
Concen: 142.998 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG038634.D
Acq: 16 Dec 2018 10:47

Tgt Ion:112 Resp: 182282
Ion Ratio Lower Upper
112 100
64 66.4 53.4 80.2
63 37.7 29.3 43.9



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





#7

Phenol-d6

Concen: 144.270 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038634.D

Acq: 16 Dec 2018 10:47

Instrument :

BNA_G

ClientSampleId :

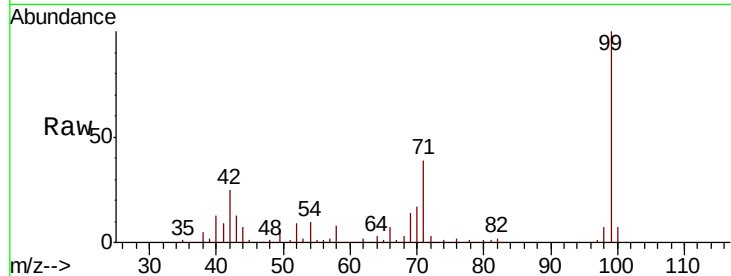
Tot Ion: 99 Resp: 252463

Ion Ratio Lower Upper

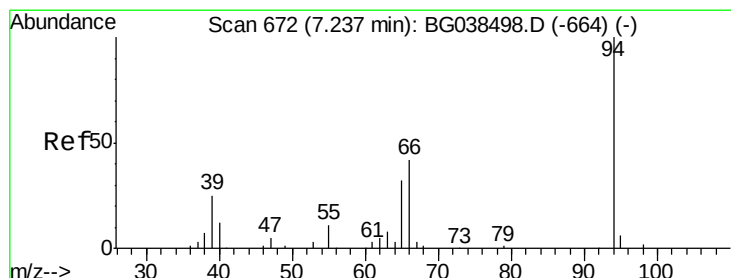
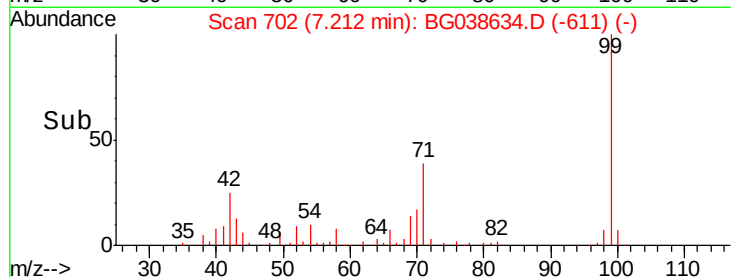
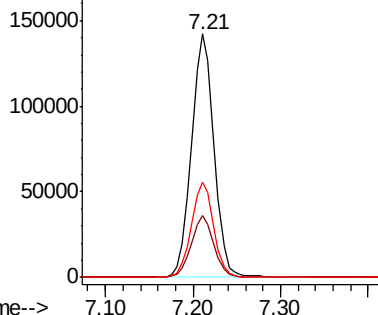
99 100

42 25.2 18.5 27.7

71 39.2 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: 8.457 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038634.D

Acq: 16 Dec 2018 10:47

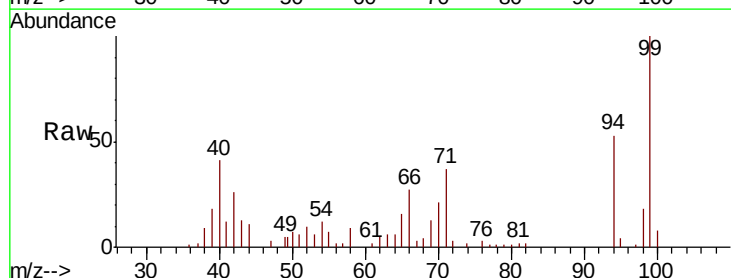
Tgt Ion: 94 Resp: 15722

Ion Ratio Lower Upper

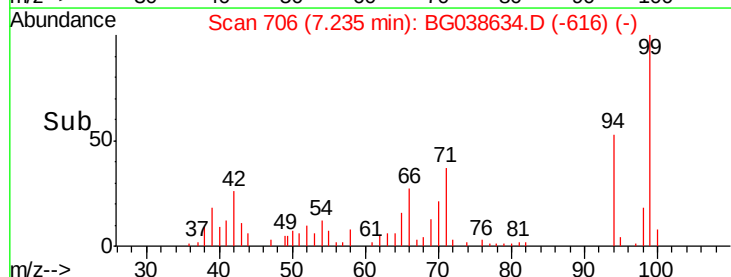
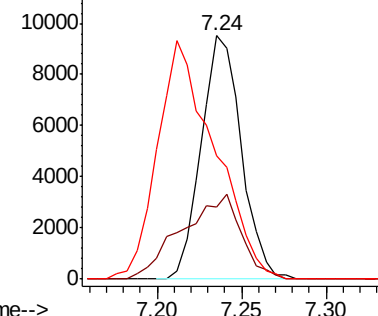
94 100

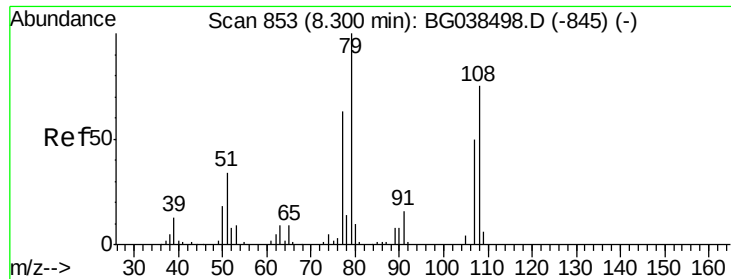
65 29.7 12.6 52.6

66 50.6 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: 2.012 ng

RT: 8.37 min Scan# 900

Delta R.T. 0.07 min

Lab File: BG038634.D

Acq: 16 Dec 2018 10:47

Instrument :

BNA_G

ClientSampled :

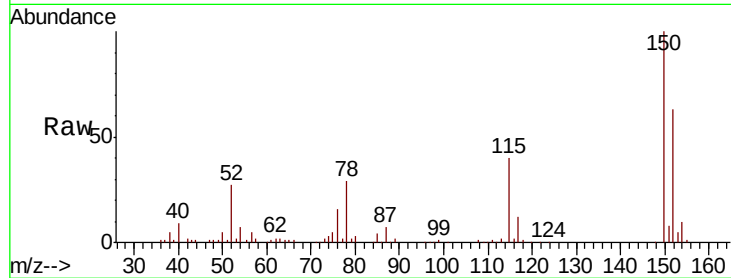
Tot Ion: 79 Resp: 2748

Ion Ratio Lower Upper

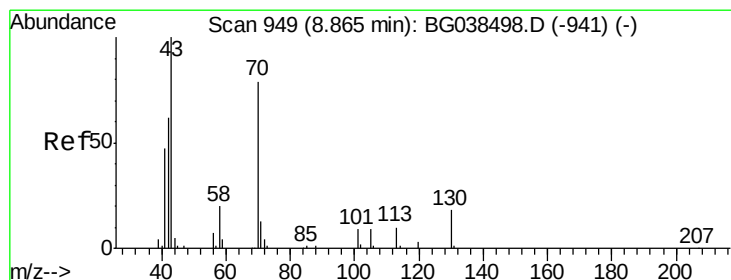
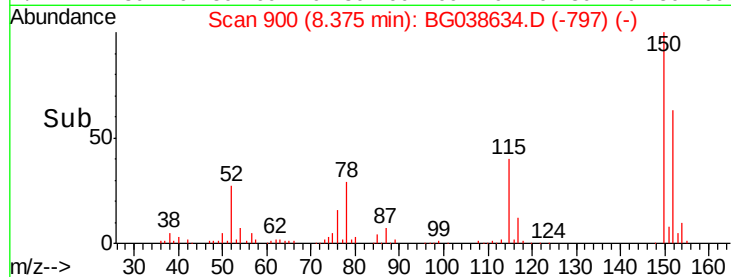
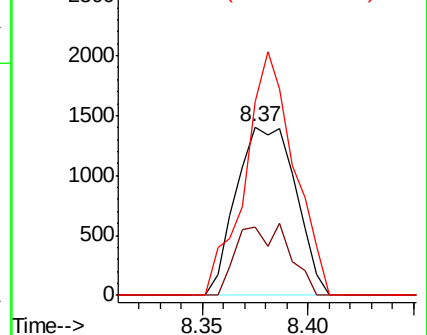
79 100

108 40.3 60.2 90.4#

77 114.9 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: 17.888 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038634.D

Acq: 16 Dec 2018 10:47

Tgt Ion: 70 Resp: 21986

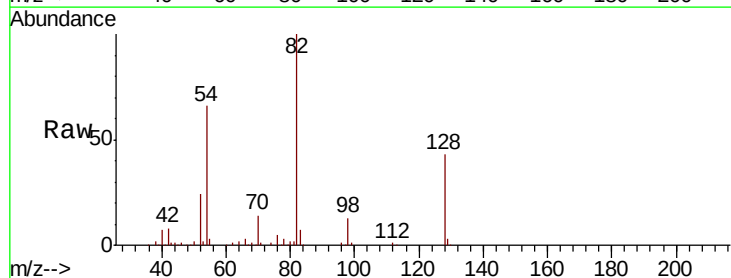
Ion Ratio Lower Upper

70 100

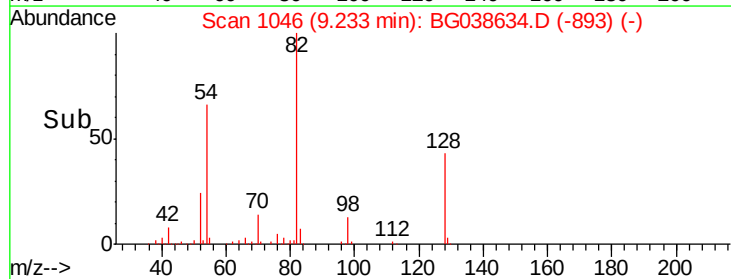
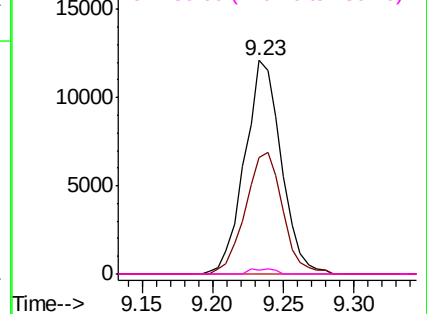
42 54.4 63.6 95.4#

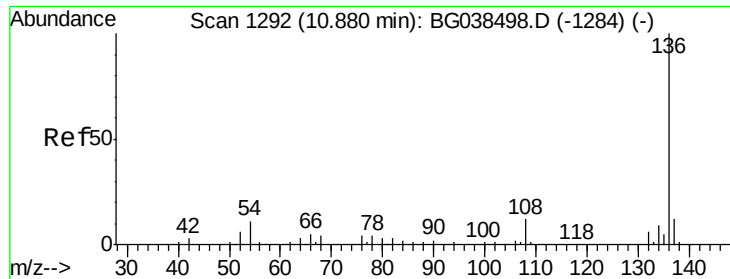
101 0.0 9.2 13.8#

130 1.6 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

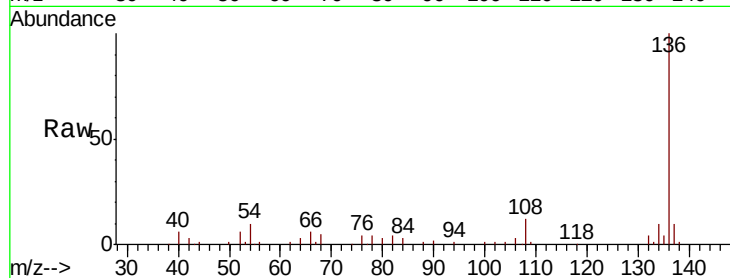




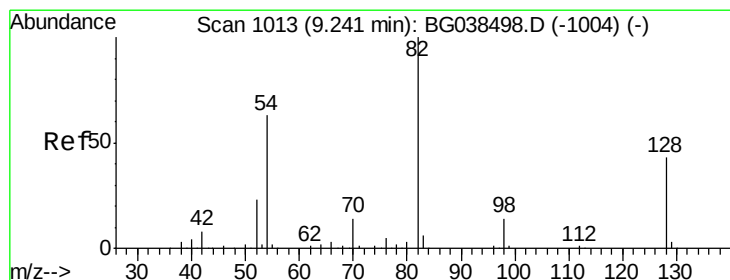
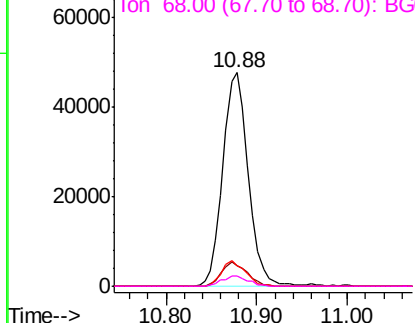
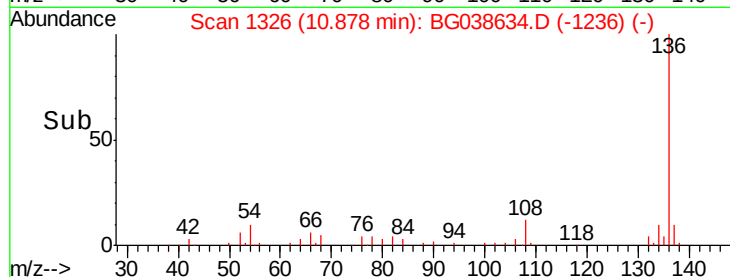
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038634.D
Acq: 16 Dec 2018 10:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	93339
Ion	Ratio	Lower Upper
136	100	
137	9.9	9.3 13.9
54	9.9	8.5 12.7
68	4.7	3.5 5.3

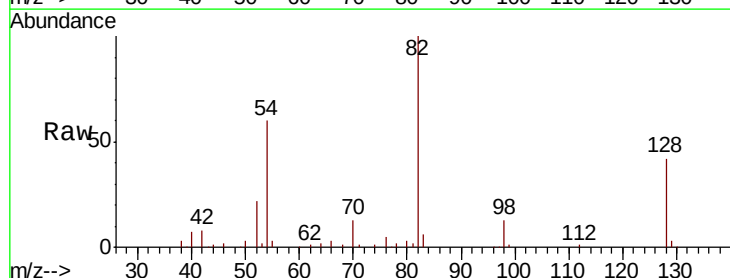


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

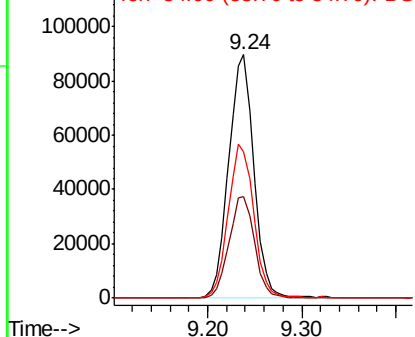
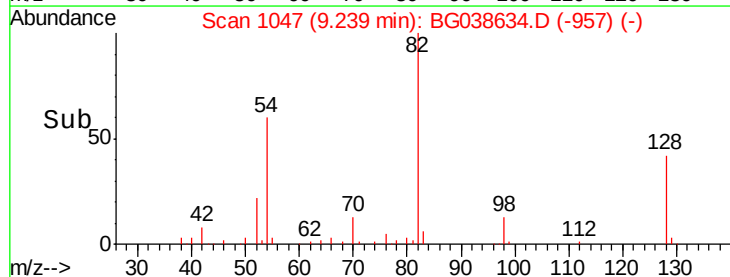


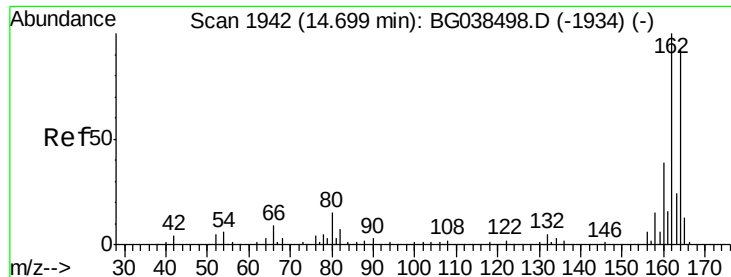
#23
Nitrobenzene-d5
Concen: 91.361 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038634.D
Acq: 16 Dec 2018 10:47

Tgt Ion: 82	Resp:	166922
Ion	Ratio	Lower Upper
82	100	
128	41.7	34.6 52.0
54	59.9	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: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038634.D

Acq: 16 Dec 2018 10:47

Instrument :

BNA_G

ClientSampleId :

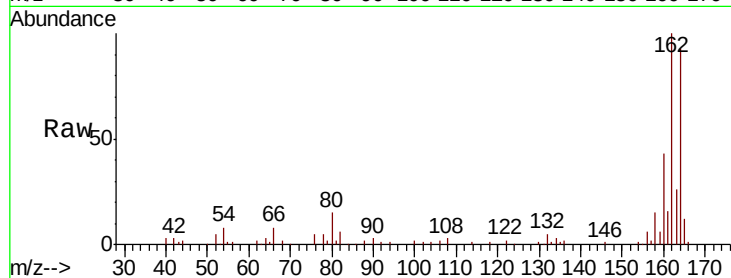
Tot Ion:164 Resp: 61849

Ion Ratio Lower Upper

164 100

162 107.8 86.6 130.0

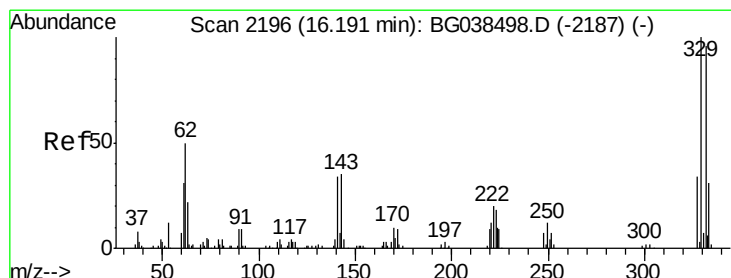
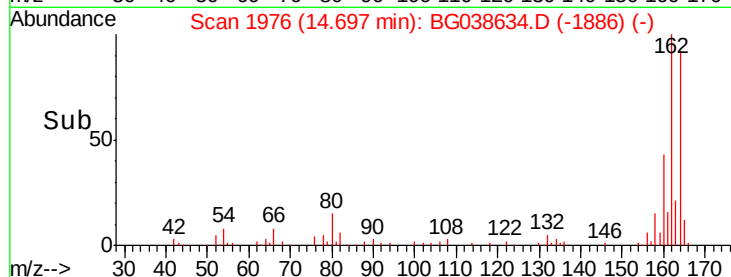
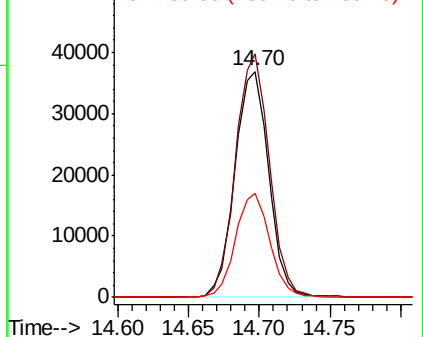
160 45.9 34.2 51.2



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: 140.440 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038634.D

Acq: 16 Dec 2018 10:47

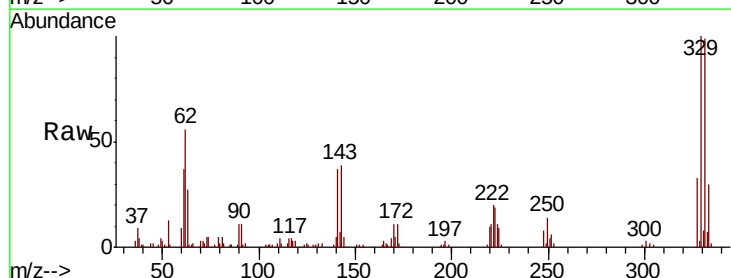
Tgt Ion:330 Resp: 119710

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

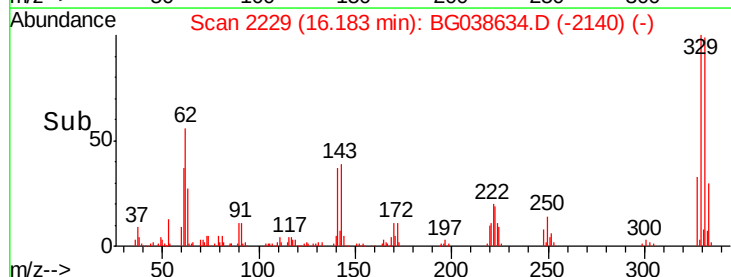
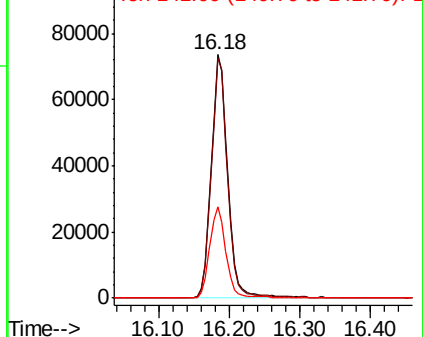
141 36.6 28.8 43.2

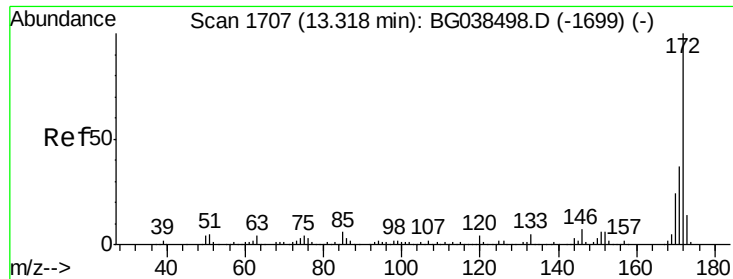


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

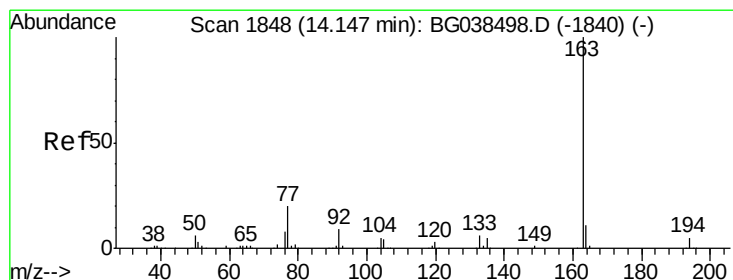
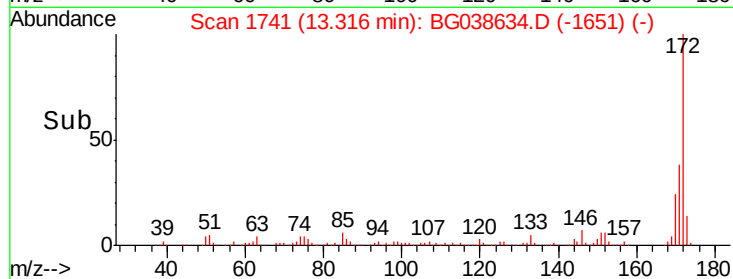
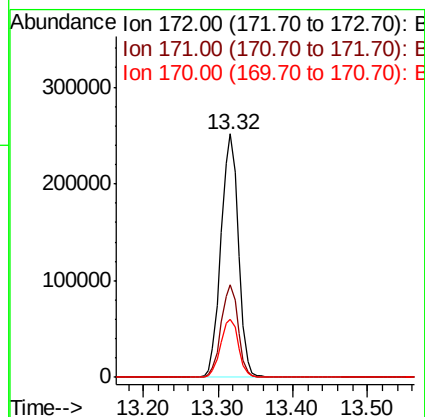
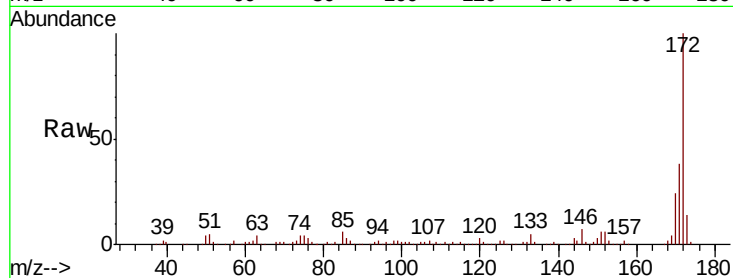




#45
 2-Fluorobiphenyl
 Concen: 90.569 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038634.D
 Acq: 16 Dec 2018 10:47

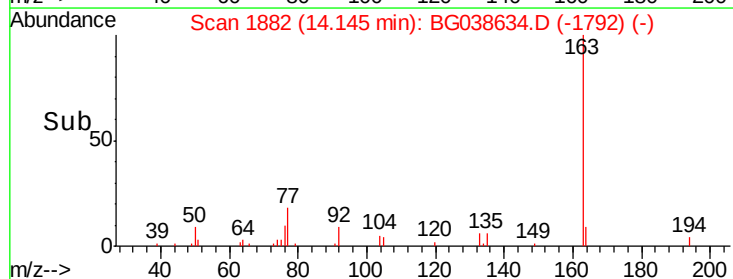
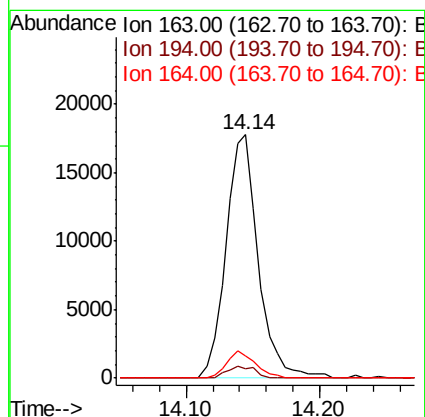
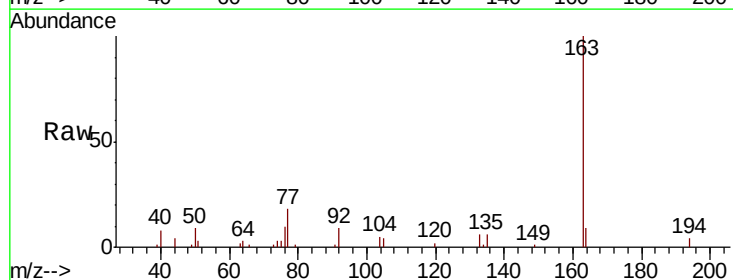
Instrument :
 BNA_G
 ClientSampleId :

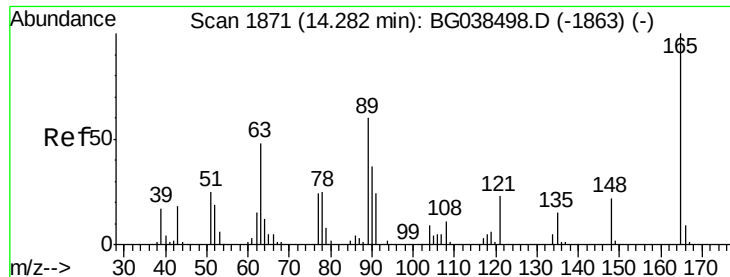
Tot Ion:	172	Resp:	408323
Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.8	44.6
170	23.9	19.5	29.3



#50
 Dimethylphthalate
 Concen: 5.925 ng
 RT: 14.14 min Scan# 1882
 Delta R.T. -0.00 min
 Lab File: BG038634.D
 Acq: 16 Dec 2018 10:47

Tgt Ion:	163	Resp:	29927
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.7	5.5
164	9.2	8.6	12.8

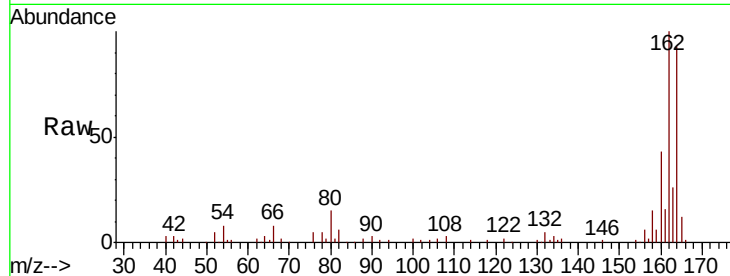




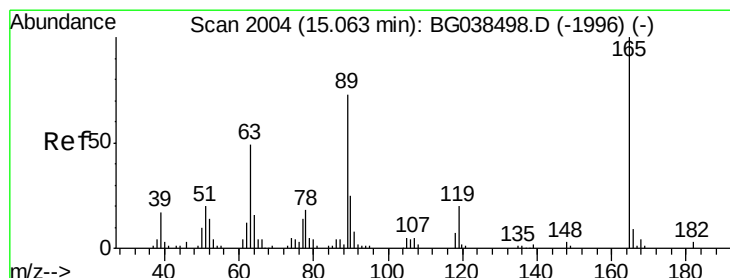
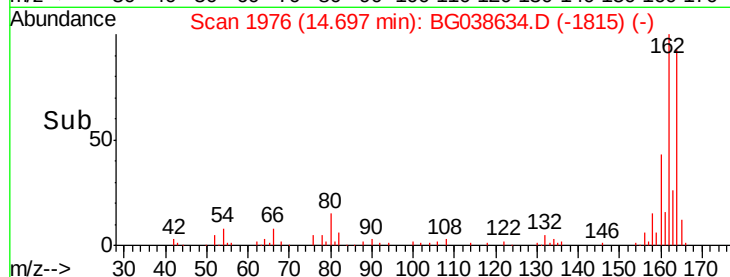
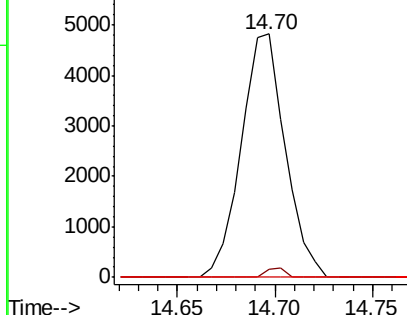
#51
 2,6-Dinitrotoluene
 Concen: 6.566 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.42 min
 Lab File: BG038634.D
 Acq: 16 Dec 2018 10:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7515
 Ion Ratio Lower Upper
 165 100
 63 3.5 51.8 77.6#
 89 0.0 47.9 71.9#

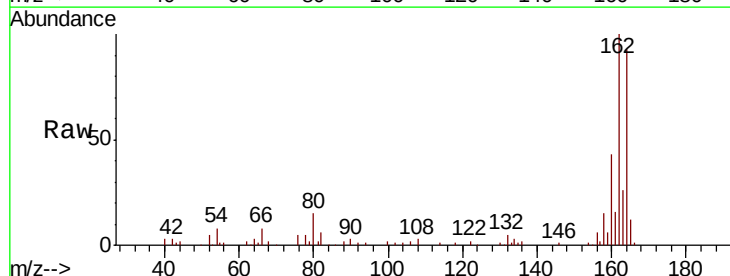


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

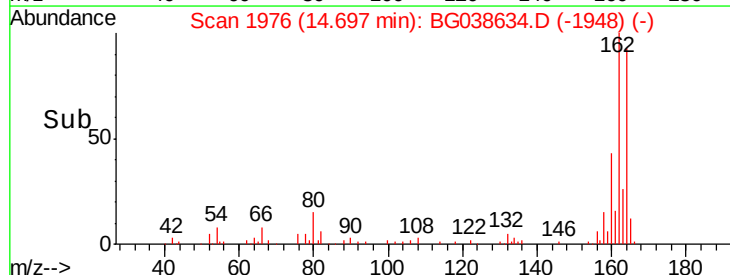
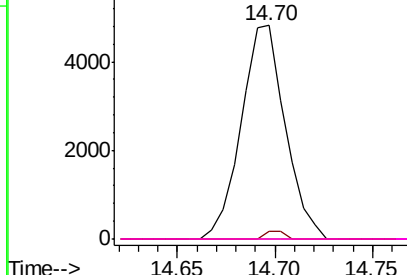


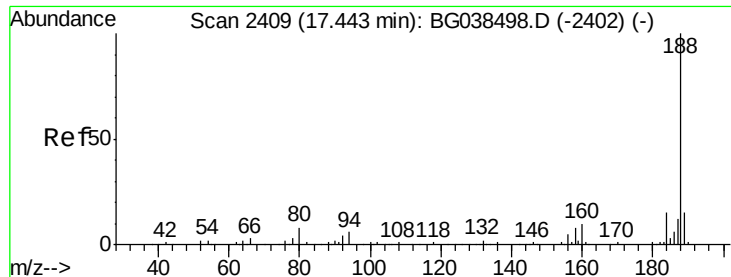
#57
 2,4-Dinitrotoluene
 Concen: 4.662 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG038634.D
 Acq: 16 Dec 2018 10:47

Tgt Ion:165 Resp: 7515
 Ion Ratio Lower Upper
 165 100
 63 3.5 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

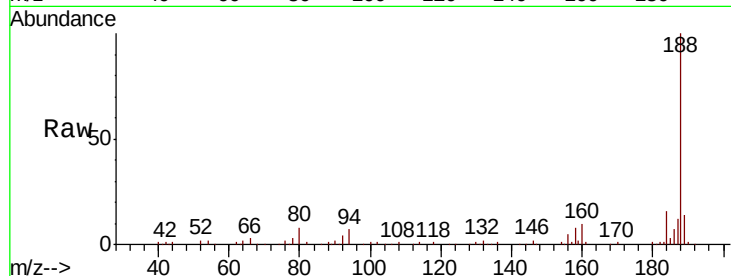




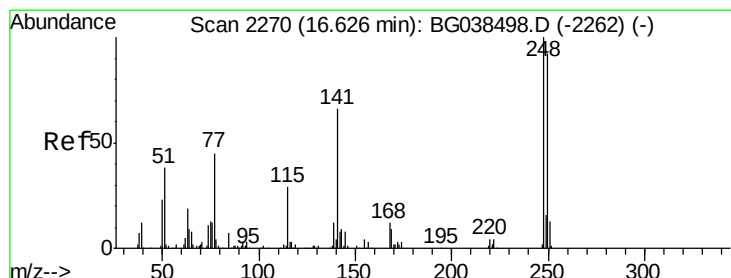
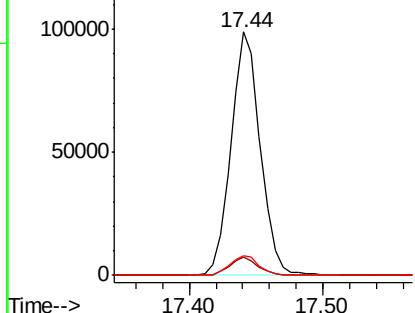
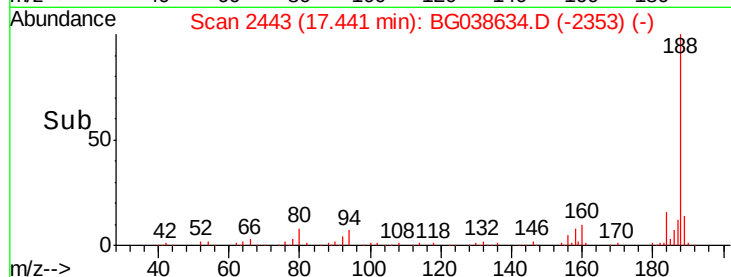
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038634.D
 Acq: 16 Dec 2018 10:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.1	7.7
80	7.8	6.1	9.1

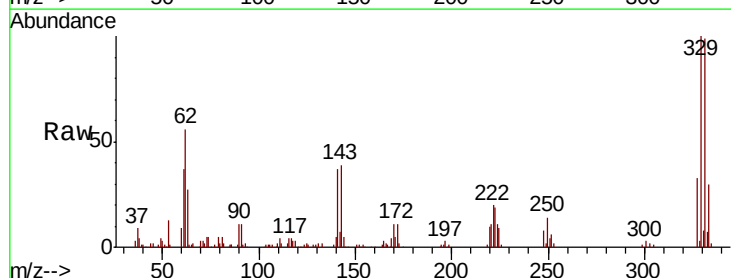


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

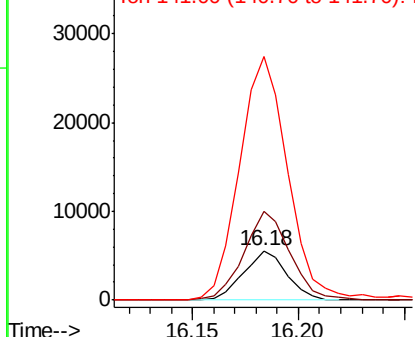
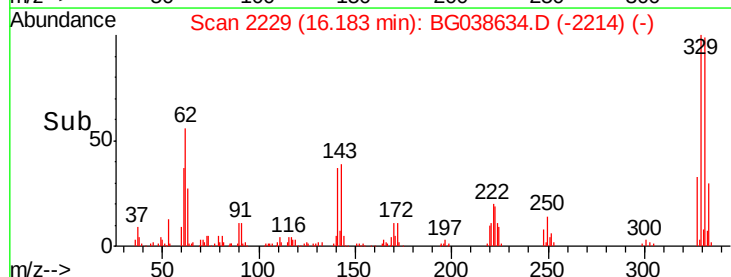


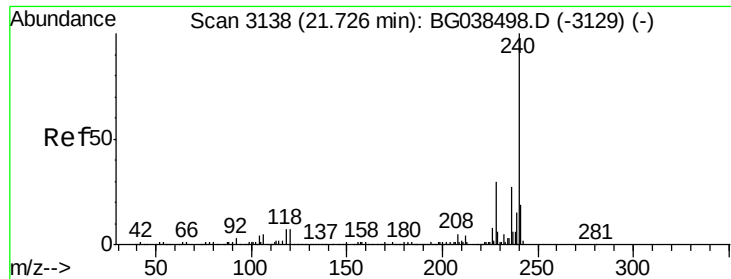
#67
 4-Bromophenyl-phenylether
 Concen: 4.279 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038634.D
 Acq: 16 Dec 2018 10:47

Tgt Ion	Ratio	Lower	Upper
248	100		
250	175.9	73.4	110.2#
141	372.0	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: BG038634.D

Acq: 16 Dec 2018 10:47

Instrument :

BNA_G

ClientSampled :

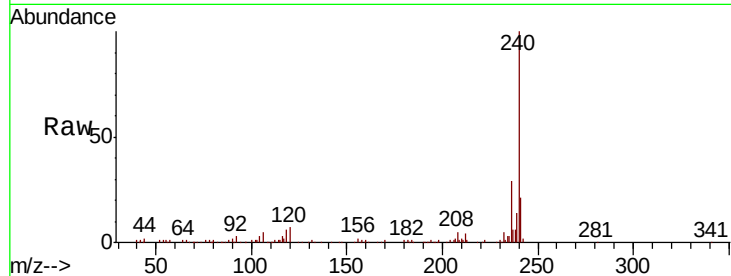
Tot Ion:240 Resp: 145624

Ion Ratio Lower Upper

240 100

120 6.7 5.3 7.9

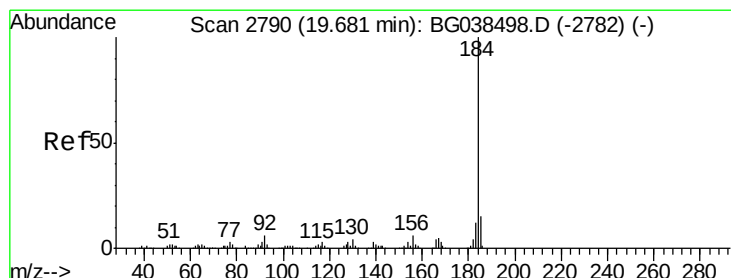
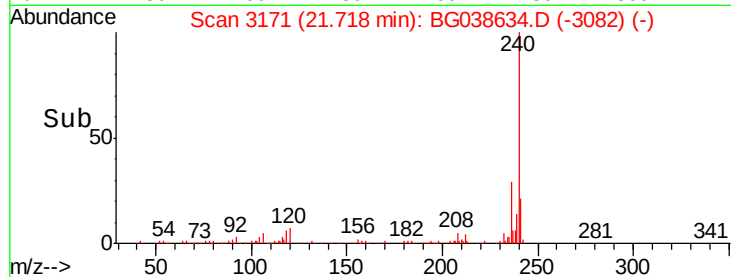
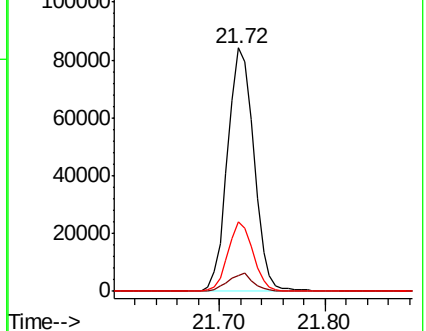
236 28.7 21.4 32.2



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: 2.882 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038634.D

Acq: 16 Dec 2018 10:47

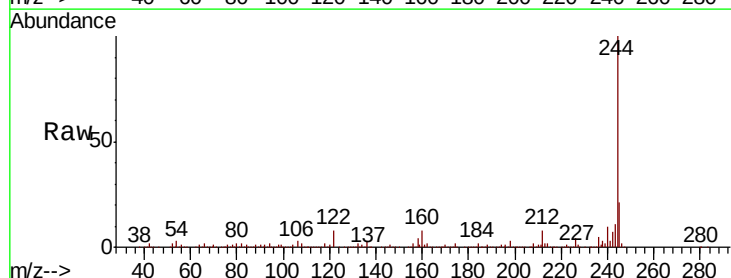
Tgt Ion:184 Resp: 12413

Ion Ratio Lower Upper

184 100

185 15.0 12.2 18.2

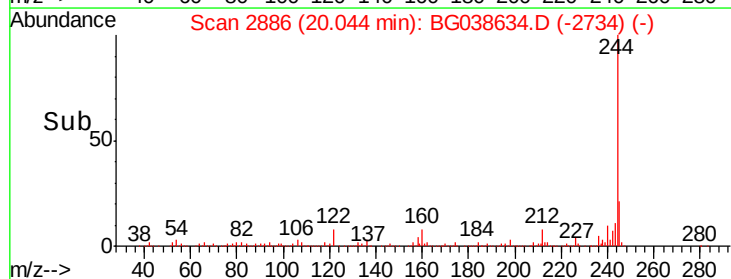
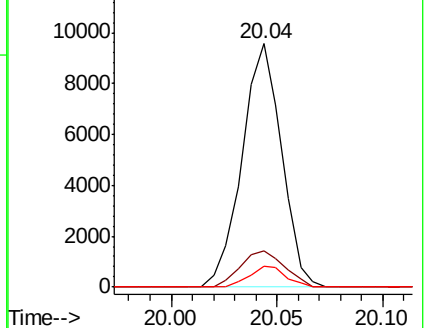
183 8.5 9.6 14.4#

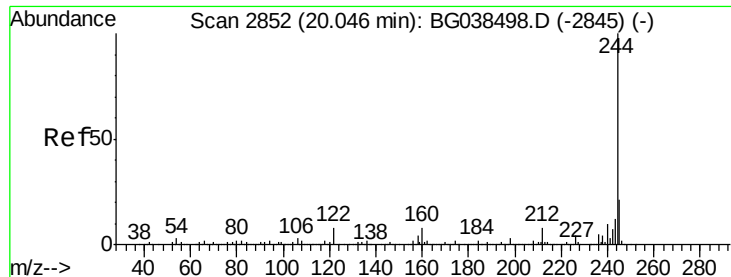


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 99.186 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038634.D

Acq: 16 Dec 2018 10:47

Instrument :

BNA_G

ClientSampleId :

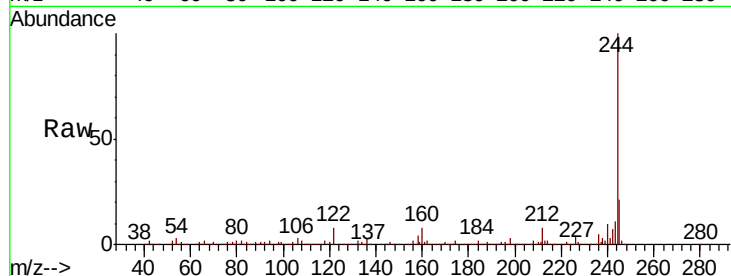
Tot Ion:244 Resp: 663682

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

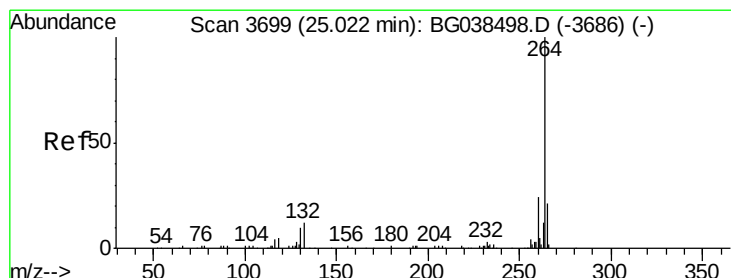
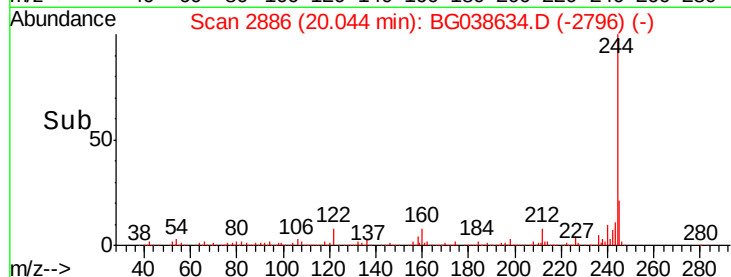
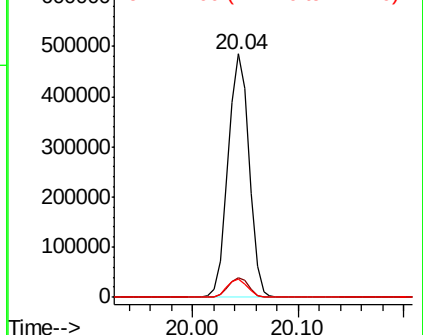
122 7.6 6.3 9.5



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# 3733

Delta R.T. -0.00 min

Lab File: BG038634.D

Acq: 16 Dec 2018 10:47

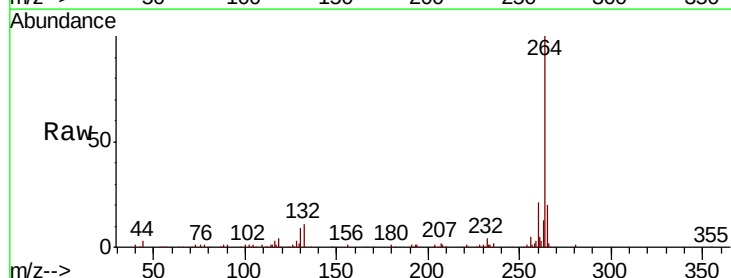
Tgt Ion:264 Resp: 163064

Ion Ratio Lower Upper

264 100

260 20.5 18.9 28.3

265 20.1 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

