

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
 Data File : BG038905.D
 Acq On : 3 Jan 2019 13:44
 Operator : JU/SJ
 Sample : J6584-02DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 03 15:27:00 2019
 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	8.05	152	27152	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	112069	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	79932	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	200313	20.00	ng	0.00
76) Chrysene-d12	21.71	240	197376	20.00	ng	-0.01
87) Perylene-d12	25.01	264	207120	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	101818	66.51	ng	0.00
7) Phenol-d6	7.21	99	123277	58.66	ng	0.00
23) Nitrobenzene-d5	9.22	82	105263	47.98	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	86440	78.47	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	294136	50.48	ng	-0.01
79) Terphenyl-d14	20.03	244	528491	58.27	ng	-0.01

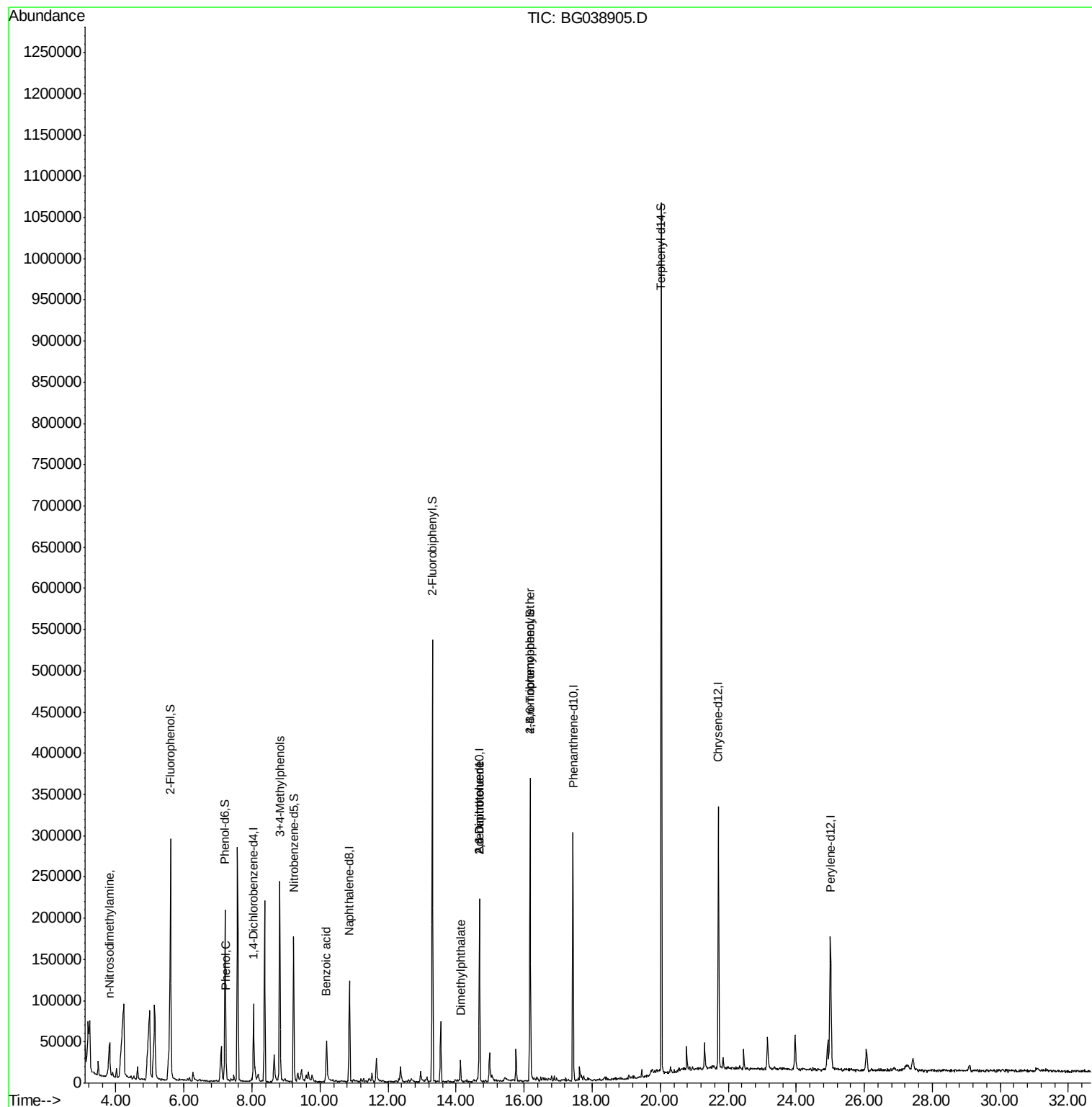
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.81	42	5210	5.421	ng	# 9
10) Phenol	7.24	94	9198	4.120	ng	92
20) 3+4-Methylphenols	8.82	107	113702	55.038	ng	90
32) Benzoic acid	10.19	122	63	10.212	ng	# 1
50) Dimethylphthalate	14.13	163	17639	2.702	ng	99
51) 2,6-Dinitrotoluene	14.69	165	10578	7.151	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	10578	5.077	ng	# 22
67) 4-Bromophenyl-phenylether	16.18	248	5315	2.173	ng	# 1

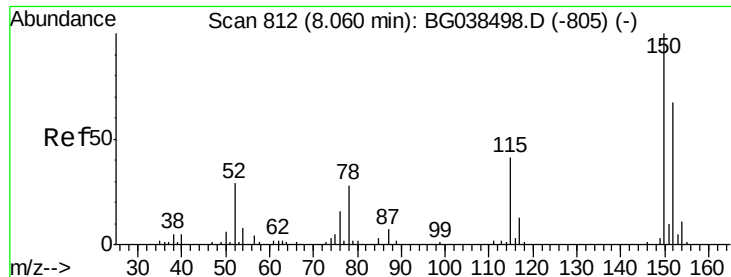
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 03 15:27:00 2019
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



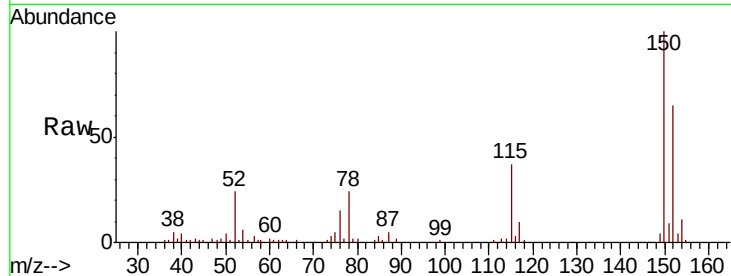


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038905.D
Acq: 3 Jan 2019 13:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	119.5	179.3
115	56.5	49.6	74.4

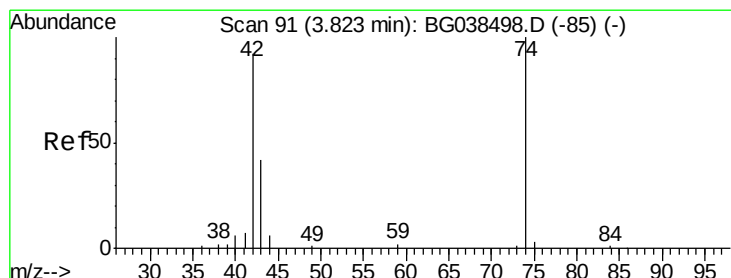
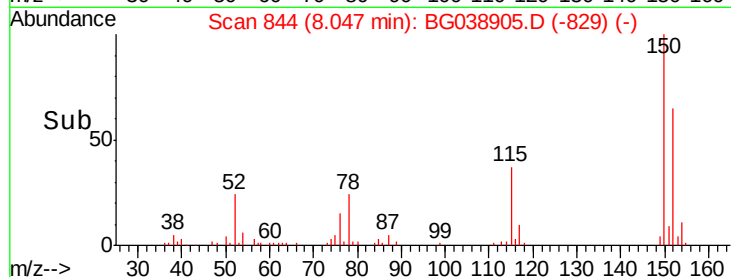
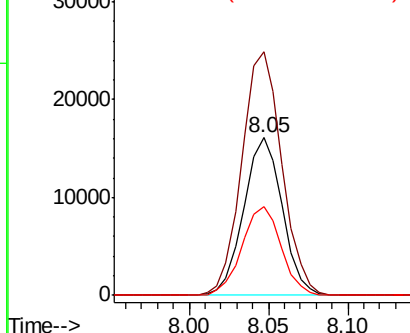


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

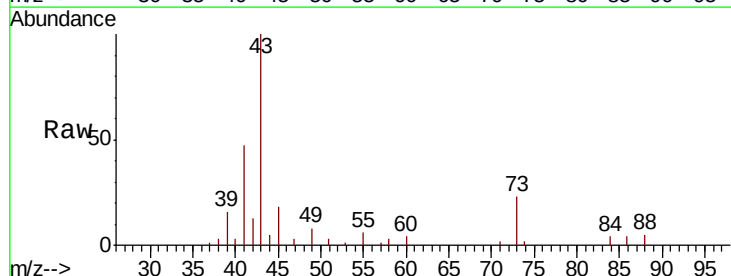
Ion 115.00 (114.70 to 115.70): E



#4

n-Nitrosodimethylamine
Concen: 5.421 ng
RT: 3.81 min Scan# 123
Delta R.T. -0.01 min
Lab File: BG038905.D
Acq: 3 Jan 2019 13:44

Tgt Ion	Ratio	Lower	Upper
42	100		
74	11.8	86.7	130.1#
44	37.1	7.8	11.8#

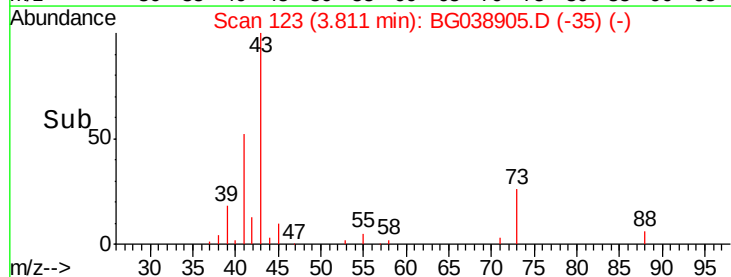
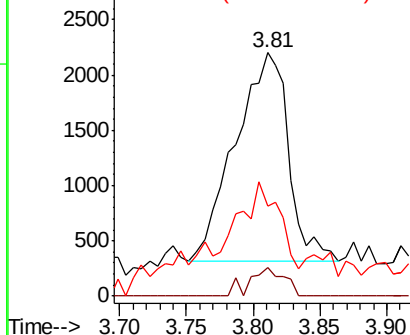


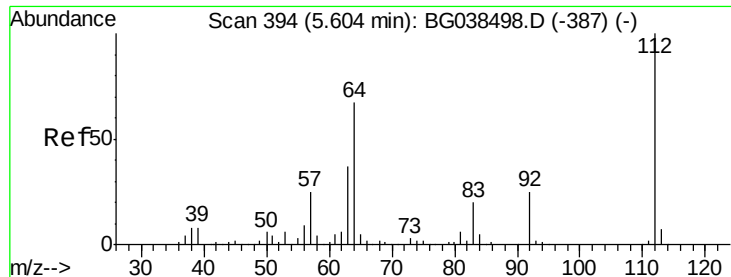
Abundance

Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 66.511 ng

RT: 5.60 min Scan# 428

Delta R.T. -0.00 min

Lab File: BG038905.D

Acq: 3 Jan 2019 13:44

Instrument :

BNA_G

ClientSampled :

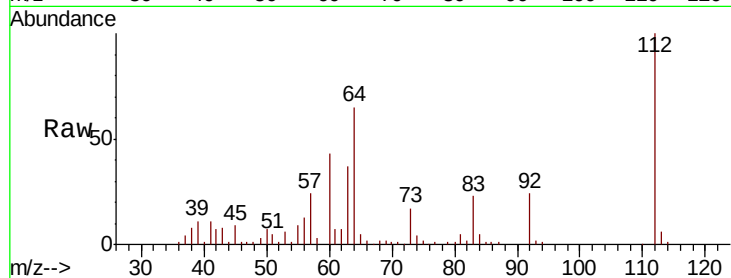
Tot Ion:112 Resp: 101818

Ion Ratio Lower Upper

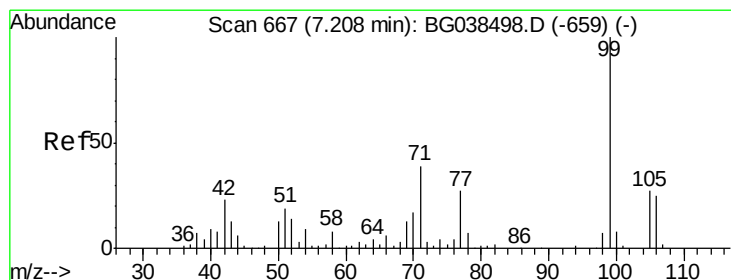
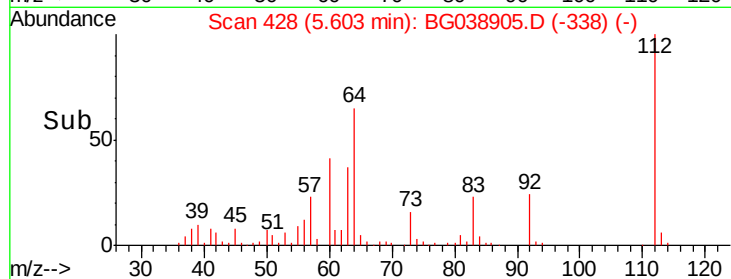
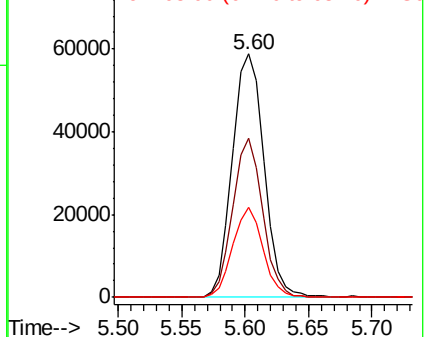
112 100

64 65.3 53.4 80.2

63 36.7 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: 58.660 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038905.D

Acq: 3 Jan 2019 13:44

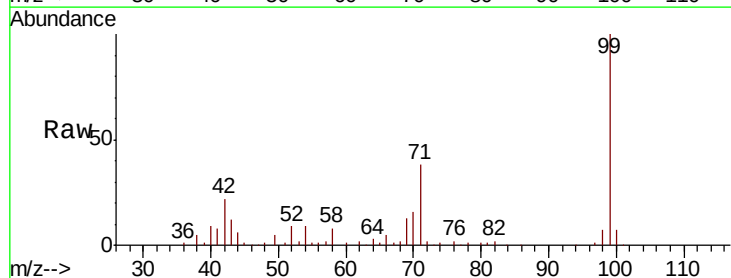
Tgt Ion: 99 Resp: 123277

Ion Ratio Lower Upper

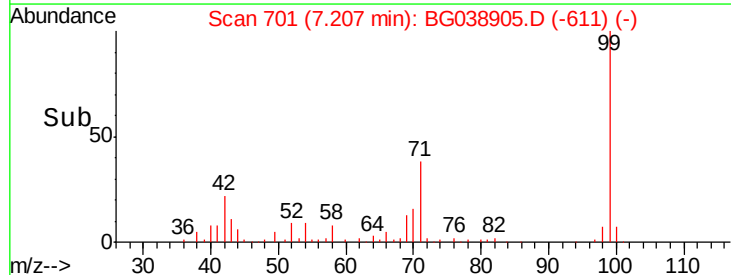
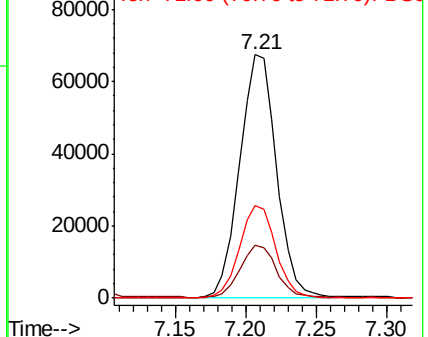
99 100

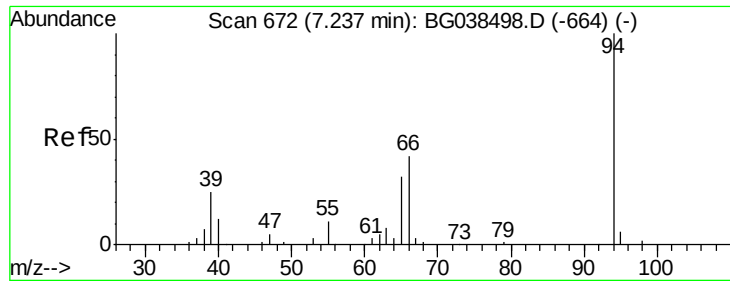
42 21.9 18.5 27.7

71 38.1 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

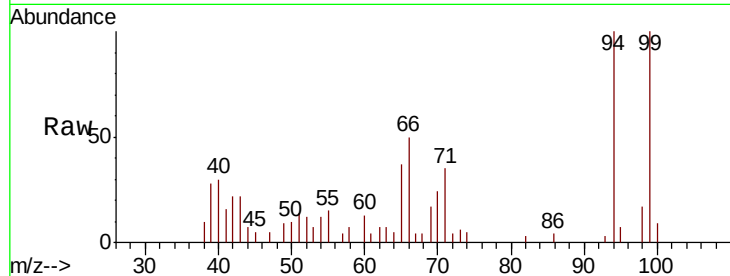




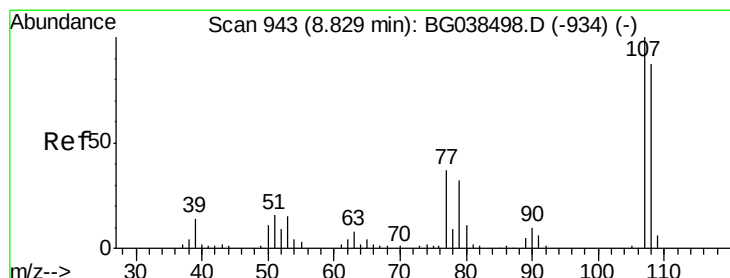
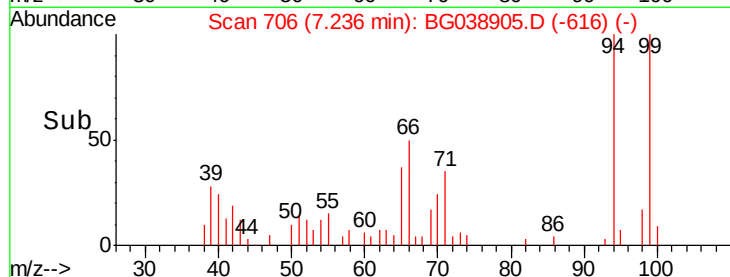
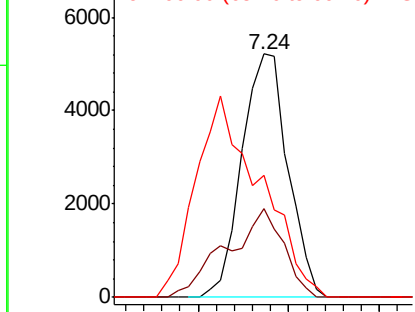
#10
Phenol
Concen: 4.120 ng
RT: 7.24 min Scan# 706
Delta R.T. -0.00 min
Lab File: BG038905.D
Acq: 3 Jan 2019 13:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 94 Resp: 9198
Ion Ratio Lower Upper
94 100
65 36.7 12.6 52.6
66 49.9 24.1 64.1

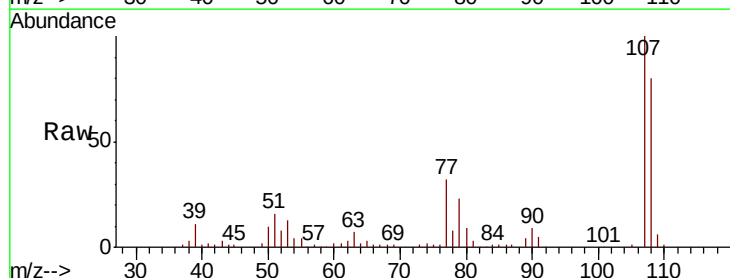


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

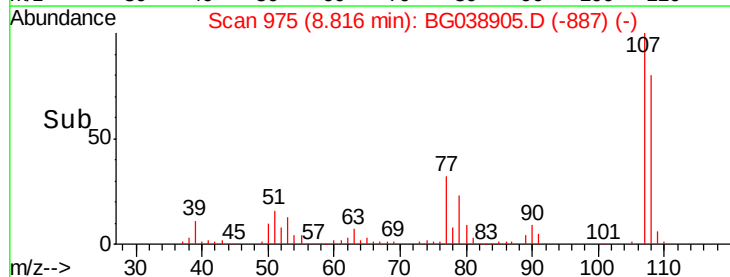
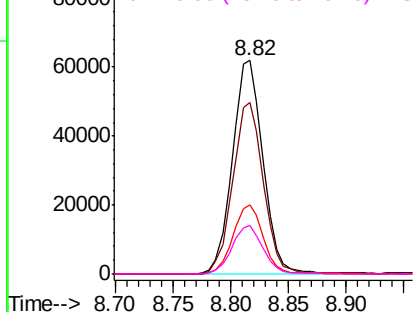


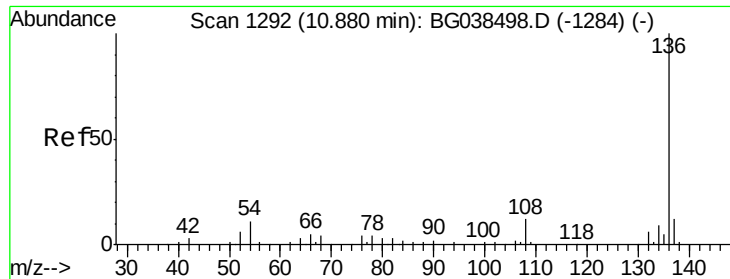
#20
3+4-Methylphenols
Concen: 55.038 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BG038905.D
Acq: 3 Jan 2019 13:44

Tgt Ion:107 Resp: 113702
Ion Ratio Lower Upper
107 100
108 80.2 66.7 106.7
77 32.1 17.3 57.3
79 22.6 12.3 52.3



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

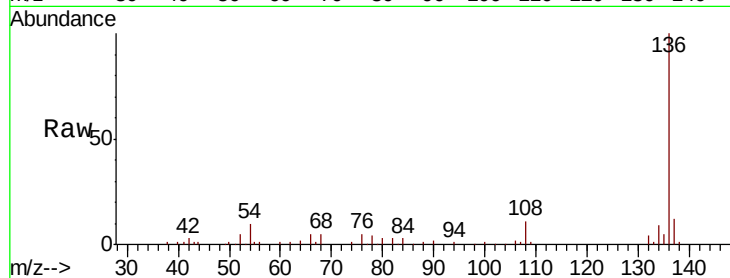




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG038905.D
Acq: 3 Jan 2019 13:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	112069
Ion	Ratio	Lower Upper
136	100	
137	11.9	9.3 13.9
54	9.9	8.5 12.7
68	4.6	3.5 5.3



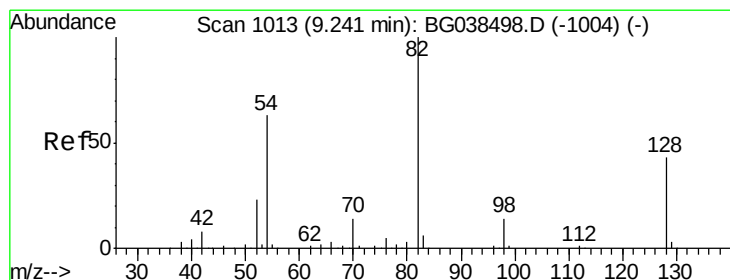
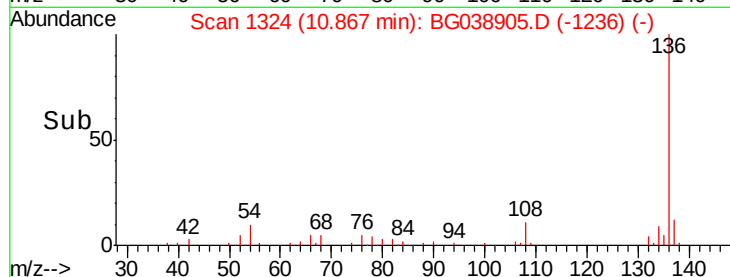
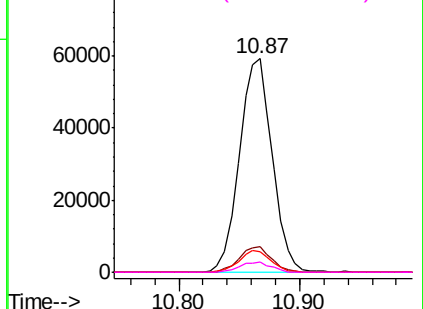
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

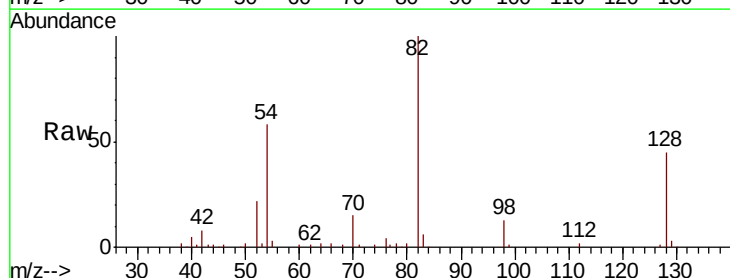
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 47.985 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038905.D
Acq: 3 Jan 2019 13:44

Tgt Ion: 82	Resp:	105263
Ion	Ratio	Lower Upper
82	100	
128	44.8	34.6 52.0
54	58.4	50.6 76.0

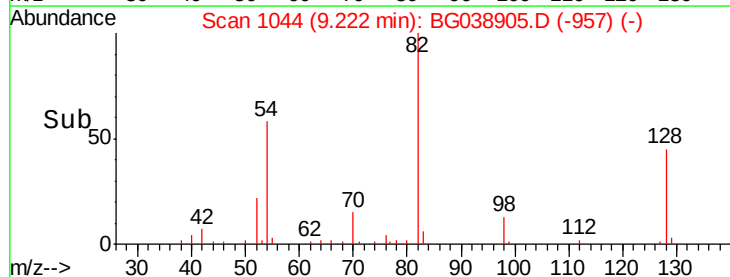
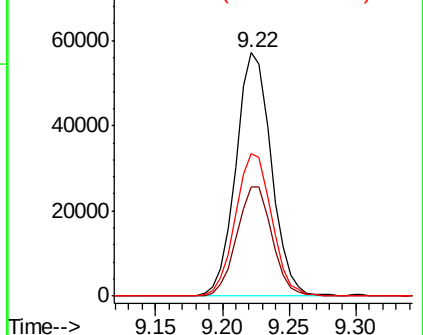


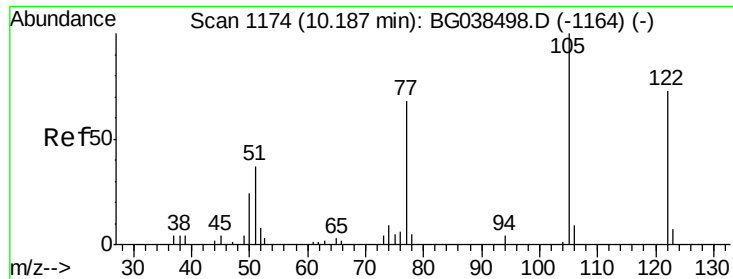
Abundance

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

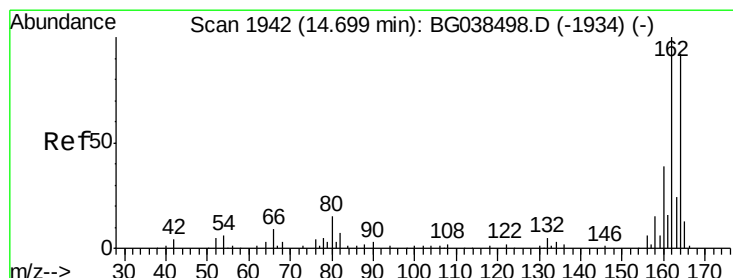
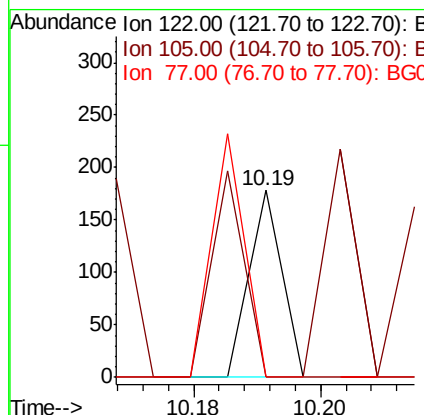
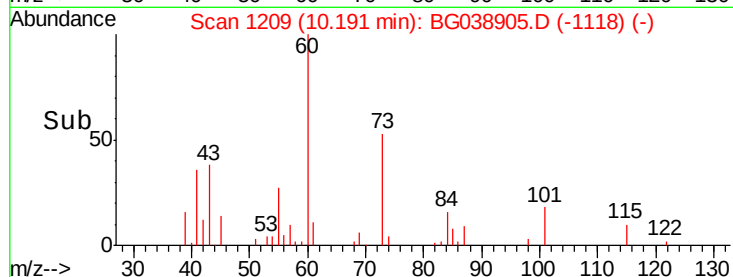
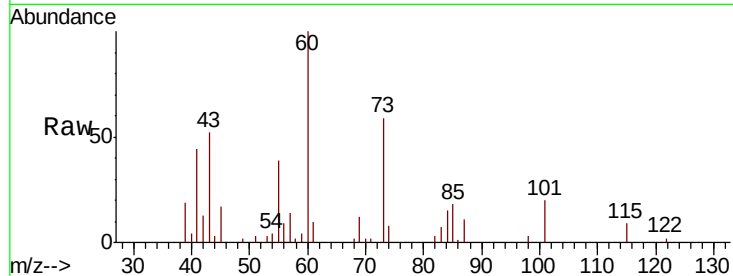




#32
Benzoic acid
Concen: 10.212 ng
RT: 10.19 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BG038905.D
Acq: 3 Jan 2019 13:44

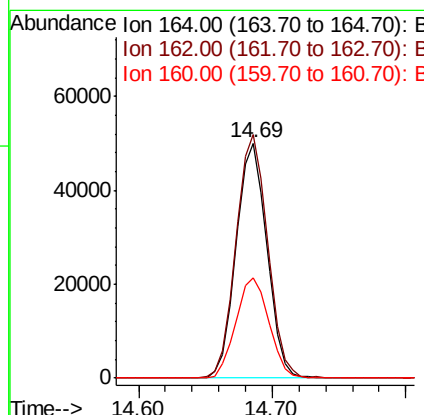
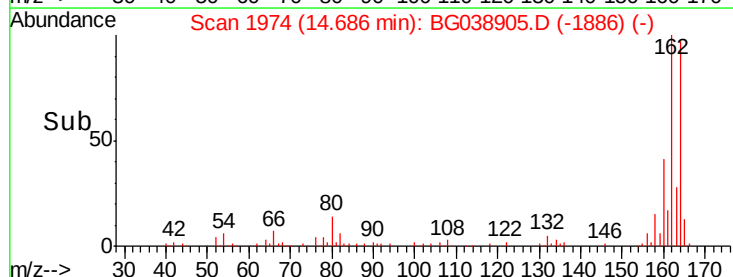
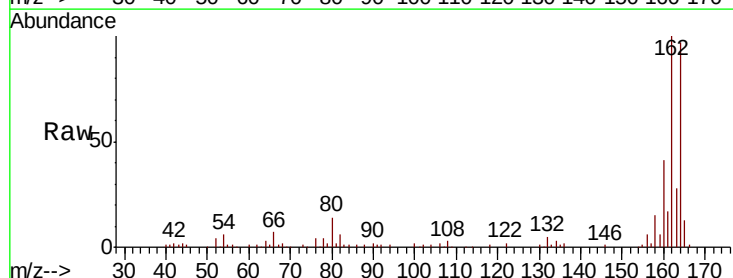
Instrument :
BNA_G
ClientSampleId :

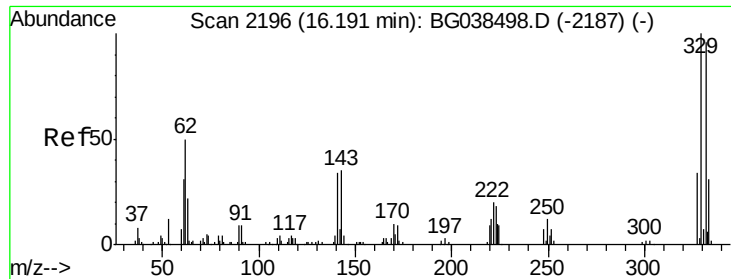
Tot Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 116.7 156.7#
77 0.0 72.5 112.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG038905.D
Acq: 3 Jan 2019 13:44

Tgt Ion:164 Resp: 79932
Ion Ratio Lower Upper
164 100
162 103.6 86.6 130.0
160 42.9 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 78.467 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038905.D

Acq: 3 Jan 2019 13:44

Instrument :

BNA_G

ClientSampleId :

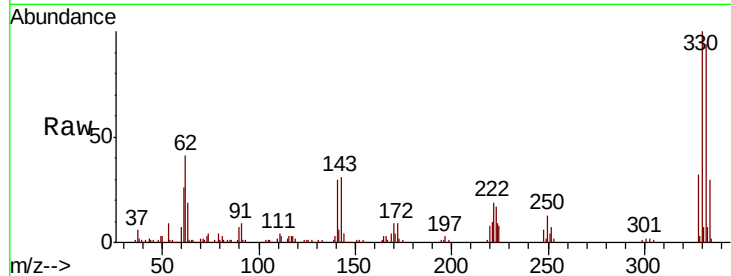
Tot Ion:330 Resp: 86440

Ion Ratio Lower Upper

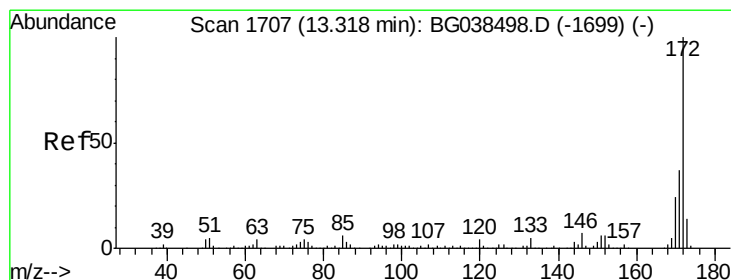
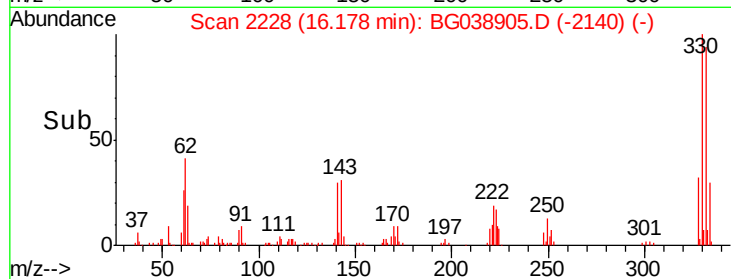
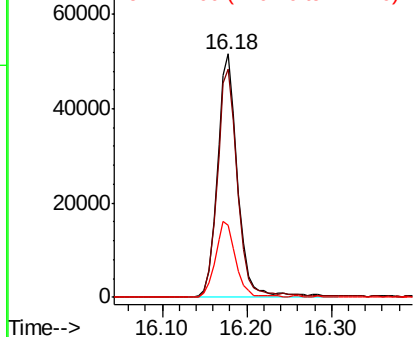
330 100

332 94.3 76.9 115.3

141 31.3 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: 50.482 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.01 min

Lab File: BG038905.D

Acq: 3 Jan 2019 13:44

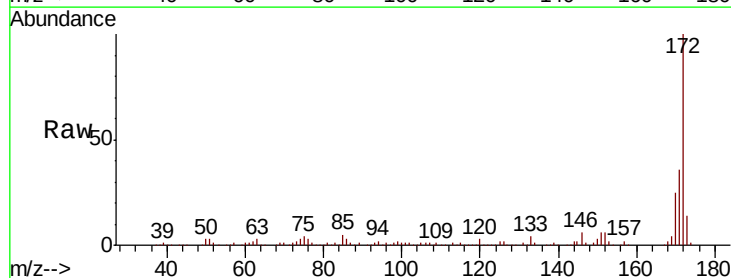
Tgt Ion:172 Resp: 294136

Ion Ratio Lower Upper

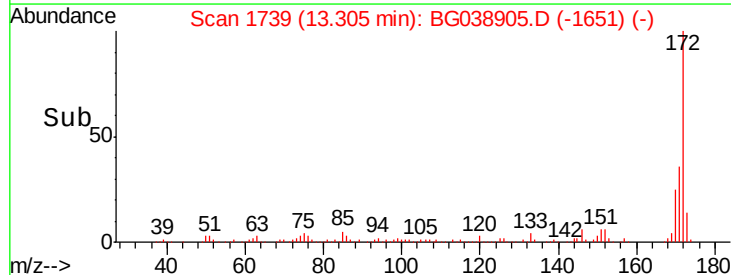
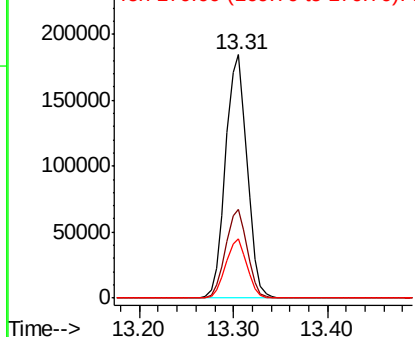
172 100

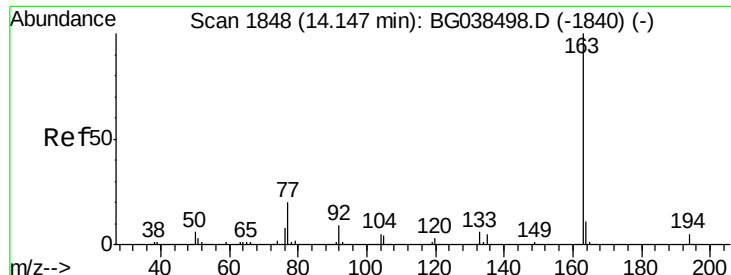
171 36.3 29.8 44.6

170 24.5 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: 2.702 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG038905.D

Acq: 3 Jan 2019 13:44

Instrument :

BNA_G

ClientSampled :

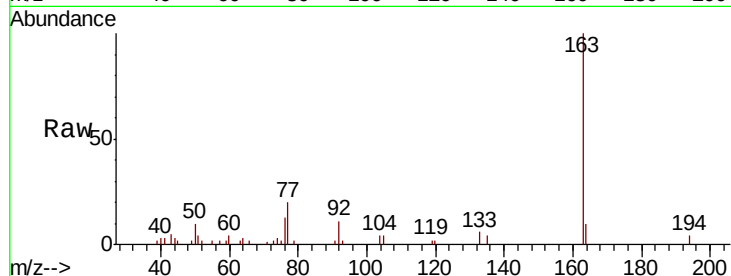
Tot Ion:163 Resp: 17639

Ion Ratio Lower Upper

163 100

194 4.0 3.7 5.5

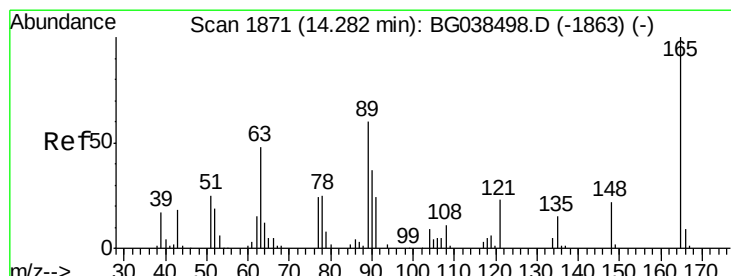
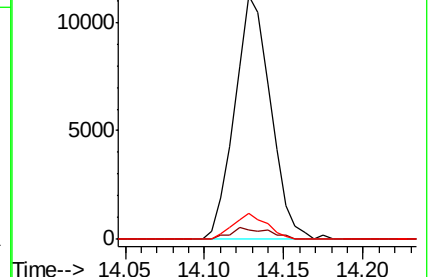
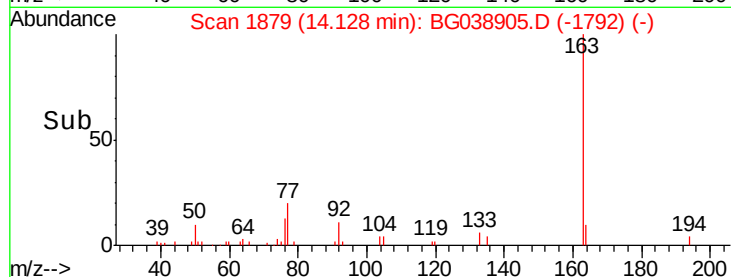
164 10.4 8.6 12.8



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: 7.151 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.40 min

Lab File: BG038905.D

Acq: 3 Jan 2019 13:44

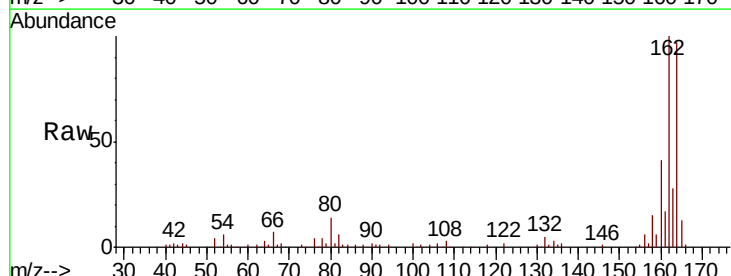
Tgt Ion:165 Resp: 10578

Ion Ratio Lower Upper

165 100

63 2.3 51.8 77.6#

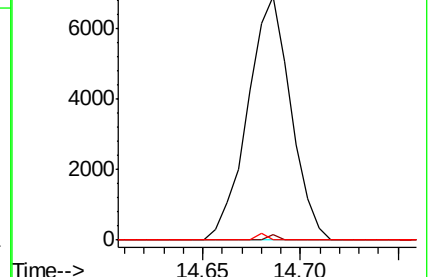
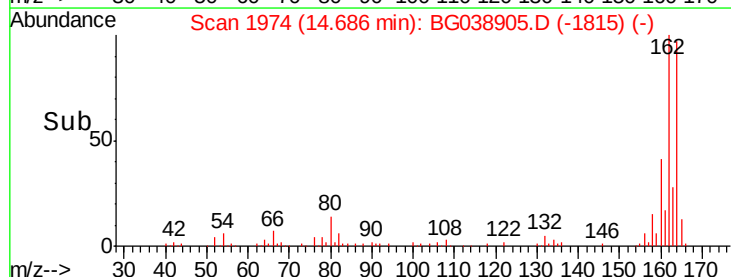
89 0.0 47.9 71.9#

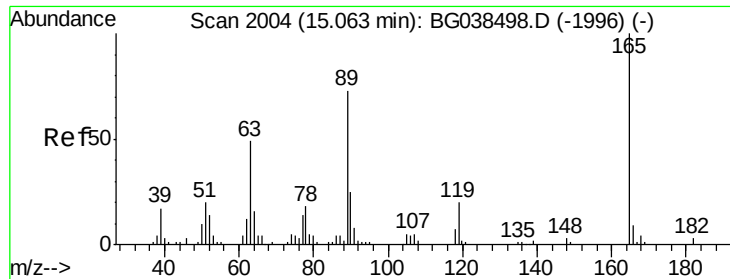


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

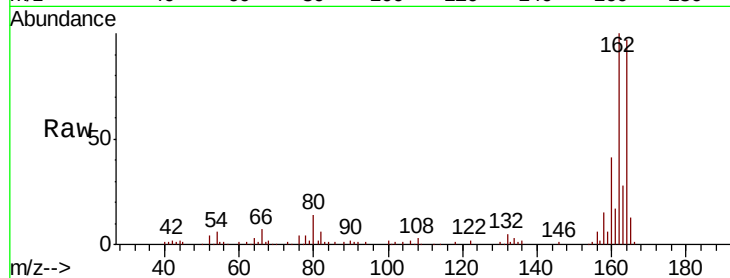




#57
 2,4-Dinitrotoluene
 Concen: 5.077 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038905.D
 Acq: 3 Jan 2019 13:44

Instrument :
 BNA_G
 ClientSampleId :

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



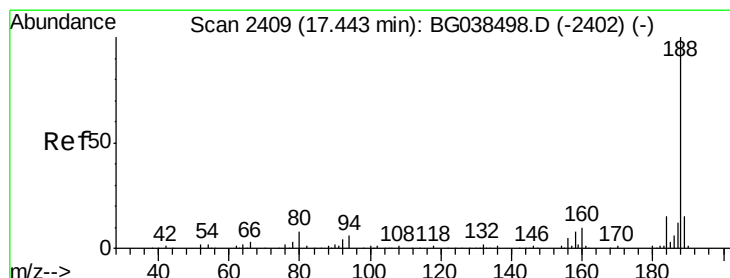
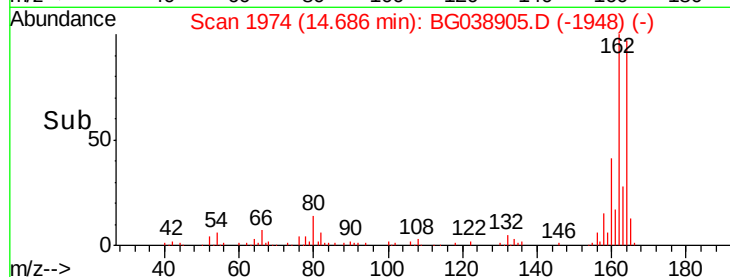
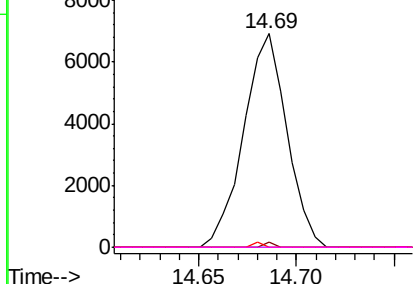
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

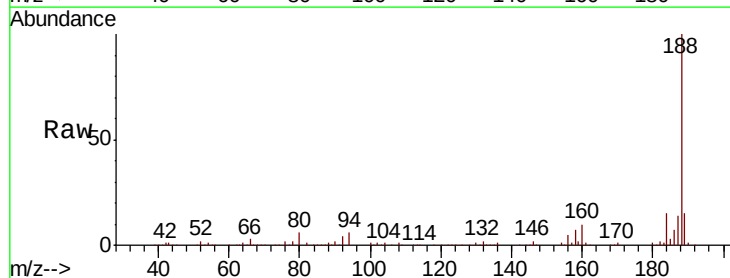
Ion 89.00 (88.70 to 89.70): BGC

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. -0.01 min
 Lab File: BG038905.D
 Acq: 3 Jan 2019 13:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.1	7.7
80	6.3	6.1	9.1

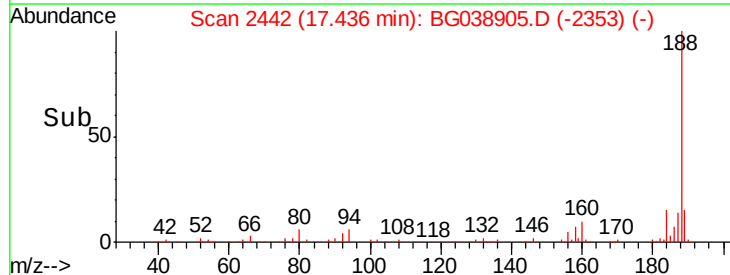
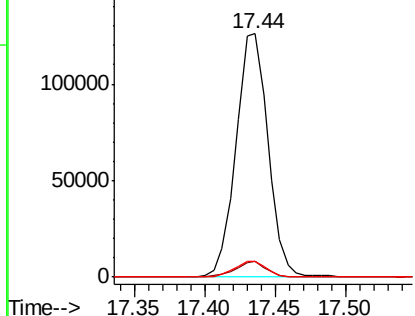


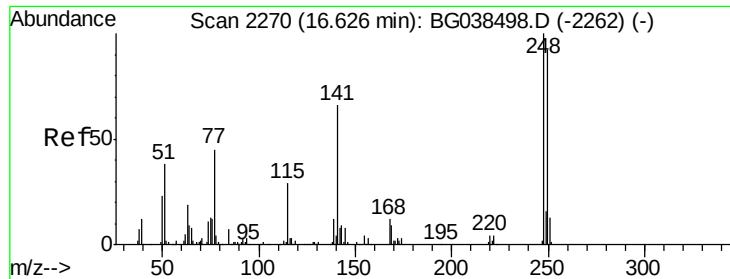
Abundance

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

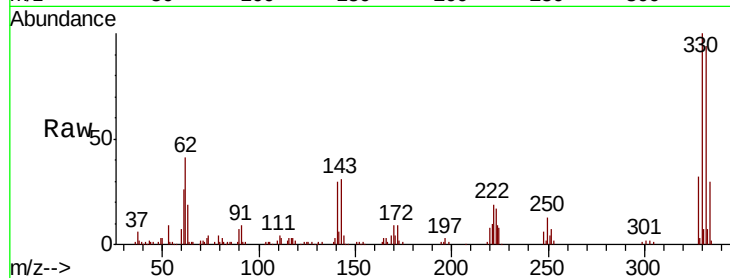




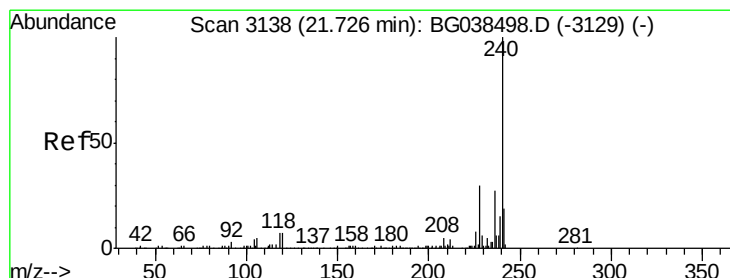
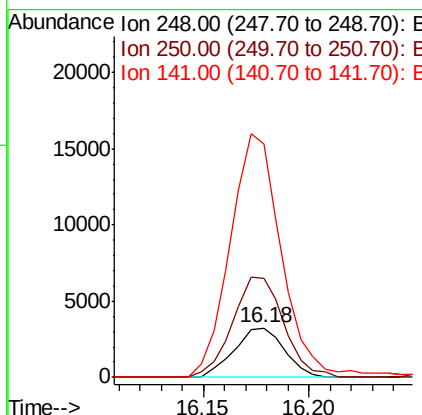
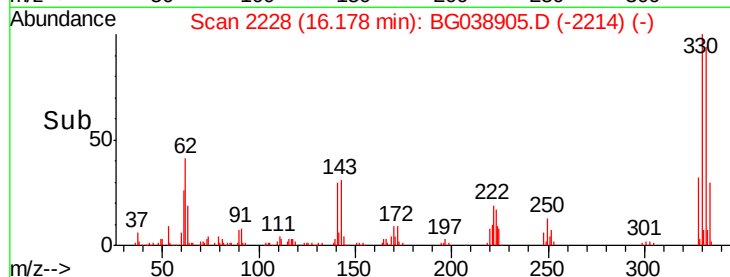
#67
 4-Bromophenyl-phenylether
 Concen: 2.173 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.45 min
 Lab File: BG038905.D
 Acq: 3 Jan 2019 13:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 5315
 Ion Ratio Lower Upper
 248 100
 250 194.6 73.4 110.2#
 141 357.3 52.9 79.3#

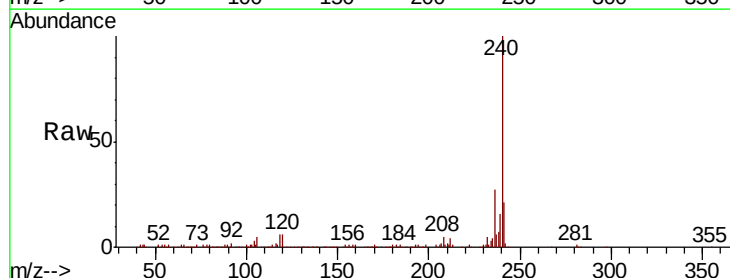


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

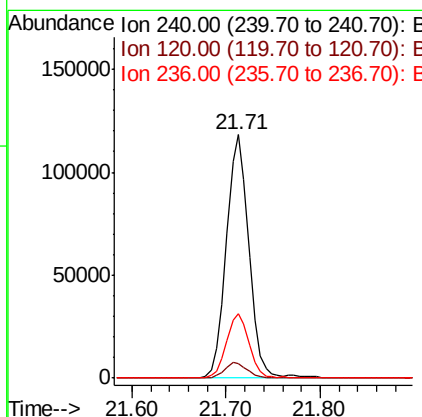
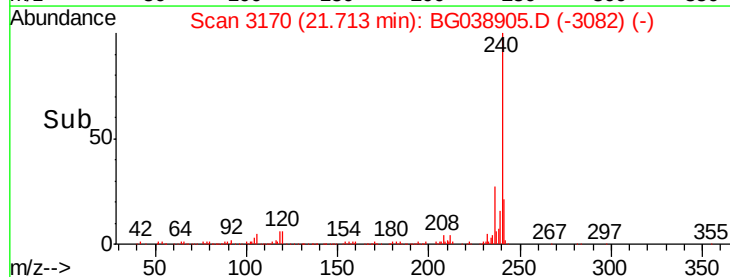


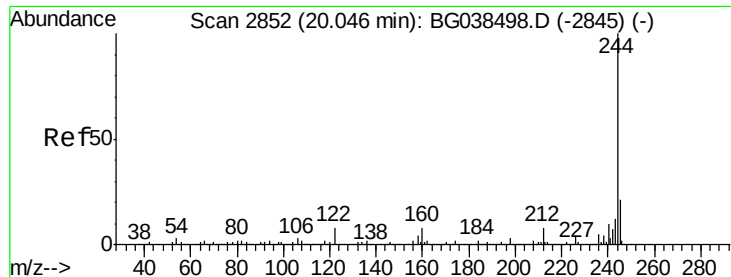
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038905.D
 Acq: 3 Jan 2019 13:44

Tgt Ion:240 Resp: 197376
 Ion Ratio Lower Upper
 240 100
 120 6.2 5.3 7.9
 236 26.6 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





#79

Terphenyl-d14

Concen: 58.273 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038905.D

Acq: 3 Jan 2019 13:44

Instrument :

BNA_G

ClientSampled :

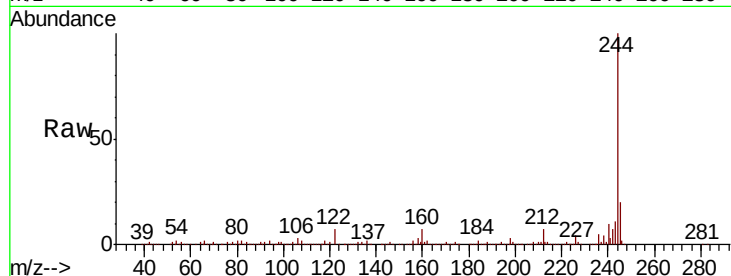
Tot Ion:244 Resp: 528491

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

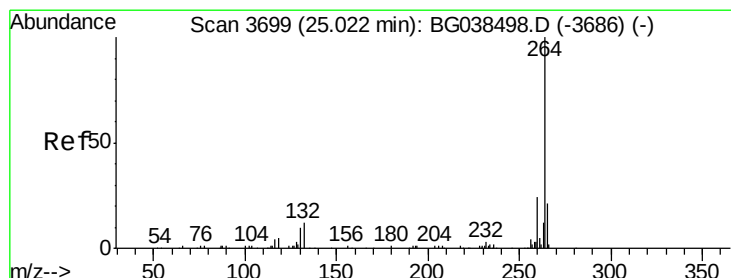
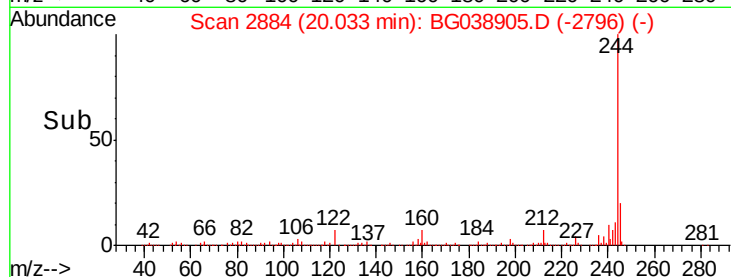
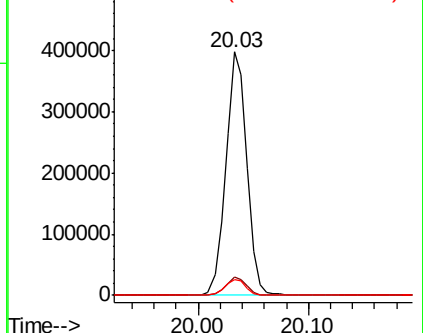
122 6.7 6.3 9.5



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: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG038905.D

Acq: 3 Jan 2019 13:44

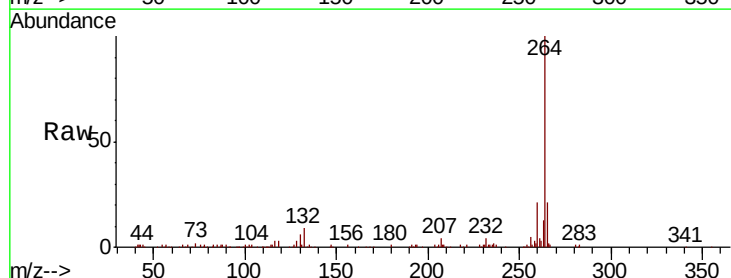
Tgt Ion:264 Resp: 207120

Ion Ratio Lower Upper

264 100

260 20.9 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

