

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041706.D
 Acq On : 18 Jul 2019 2:45
 Operator : HP/JU
 Sample : K3835-32
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-7(13-15)

Quant Time: Jul 18 07:13:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	98746	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	390949	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	235340	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	612352	20.00	ng	0.00
76) Chrysene-d12	21.65	240	640284	20.00	ng	-0.01
87) Perylene-d12	24.84	264	731311	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	702574	116.31	ng	0.00
7) Phenol-d6	7.20	99	977967	120.37	ng	0.00
23) Nitrobenzene-d5	9.20	82	582091	90.55	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	395661	149.18	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1316186	86.60	ng	0.00
79) Terphenyl-d14	20.00	244	2112120	77.09	ng	0.00

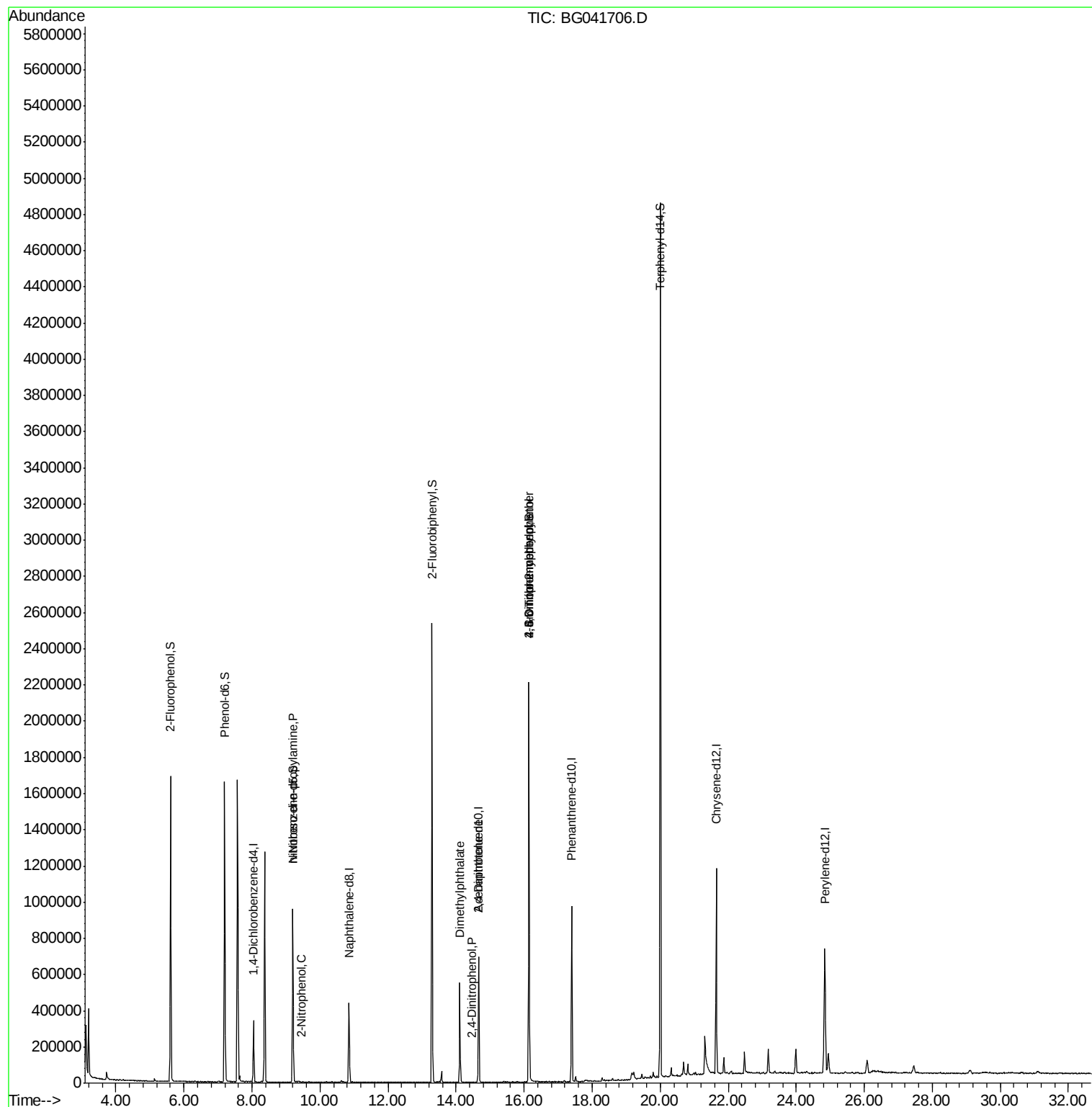
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1724	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	79028	13.308	ng	# 71
26) 2-Nitrophenol	9.45	139	55	4.669	ng	# 34
50) Dimethylphthalate	14.11	163	382982	20.720	ng	100
54) 2,4-Dinitrophenol	14.48	184	57	7.755	ng	# 21
57) 2,4-Dinitrotoluene	14.66	165	30980	5.978	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.14	198	1541	7.130	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	31596	4.336	ng	# 1
77) Benzidine	20.00	184	38363	Below Cal	#	92

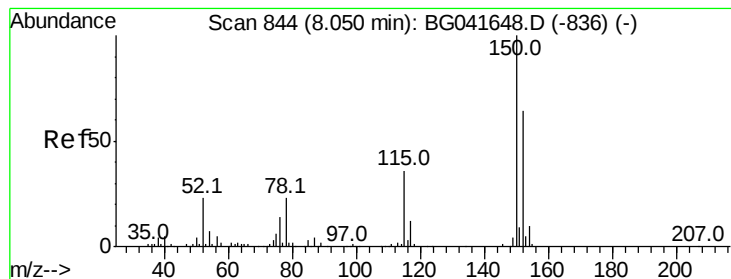
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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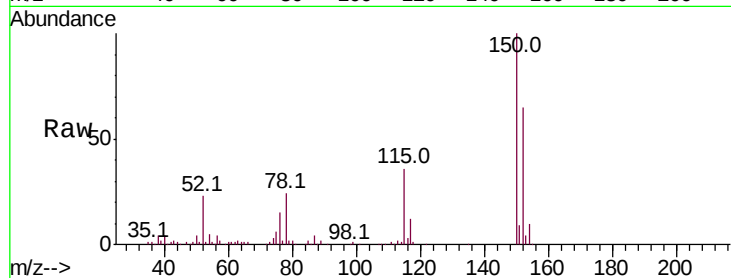


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041706.D
Acq: 18 Jul 2019 2:45

Instrument :
BNA_G
ClientSampleId :
SB-7(13-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.9	190.3
115	56.2	45.0	67.6

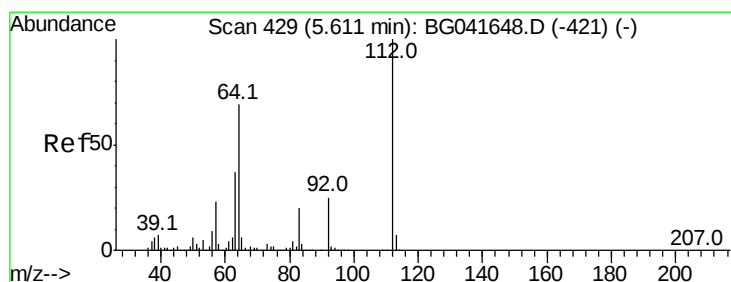
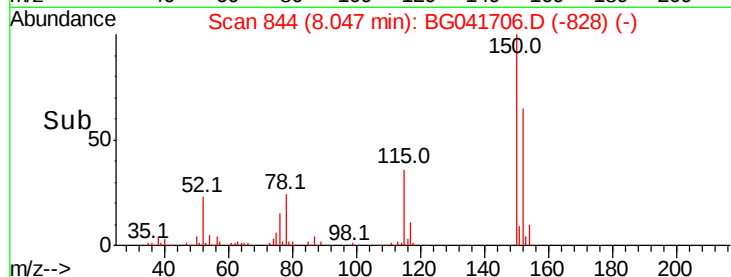
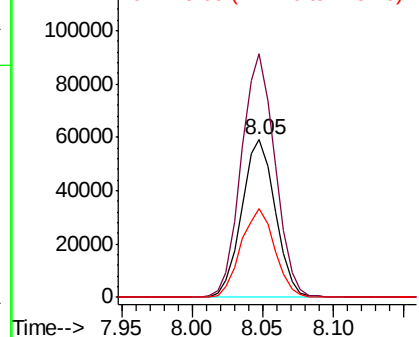


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

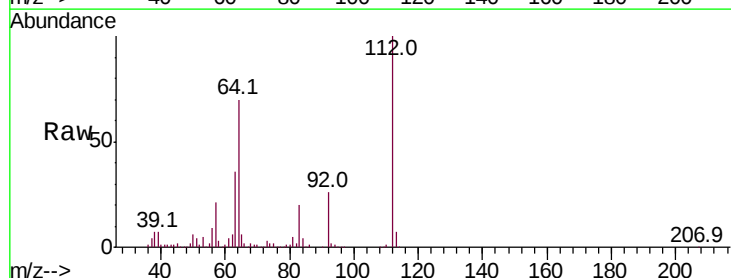
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.312 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041706.D
Acq: 18 Jul 2019 2:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.4	83.2
63	36.0	29.1	43.7

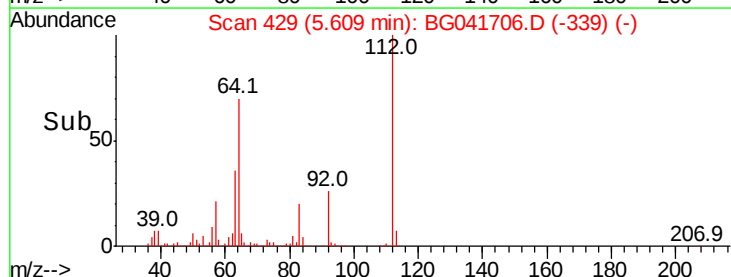
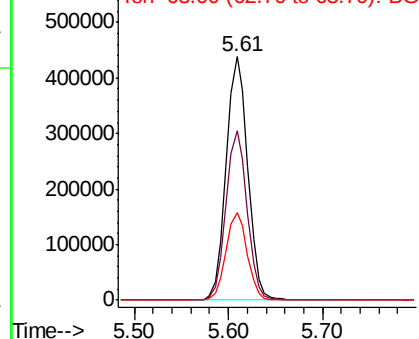


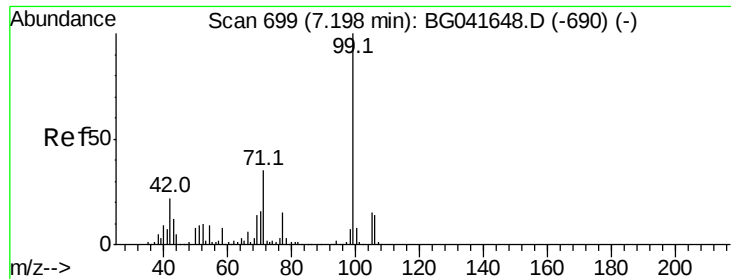
Abundance

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: 120.370 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041706.D

Acq: 18 Jul 2019 2:45

Instrument :

BNA_G

ClientSampleId :

SB-7(13-15)

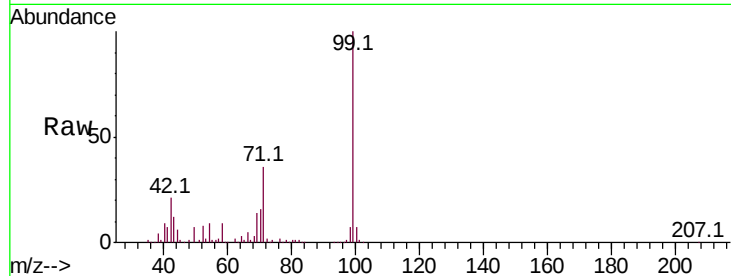
Tot Ion: 99 Resp: 977967

Ion Ratio Lower Upper

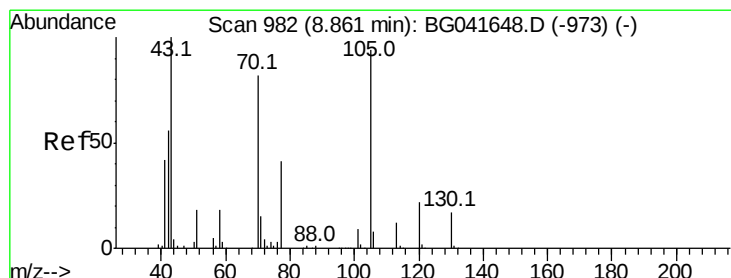
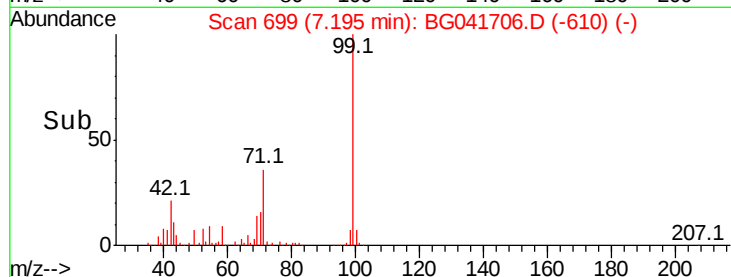
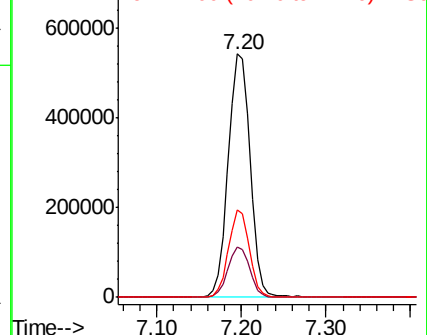
99 100

42 20.8 17.6 26.4

71 35.7 27.8 41.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.308 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041706.D

Acq: 18 Jul 2019 2:45

Tgt Ion: 70 Resp: 79028

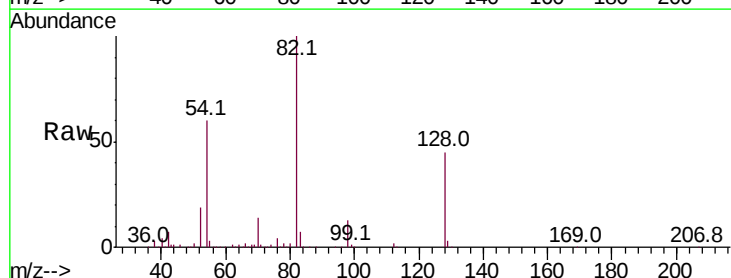
Ion Ratio Lower Upper

70 100

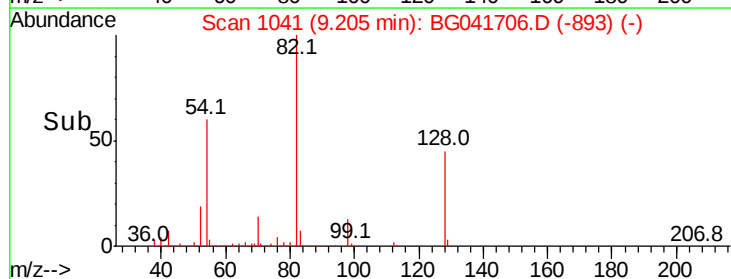
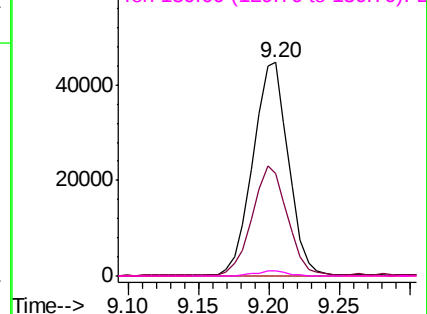
42 48.2 55.8 83.6#

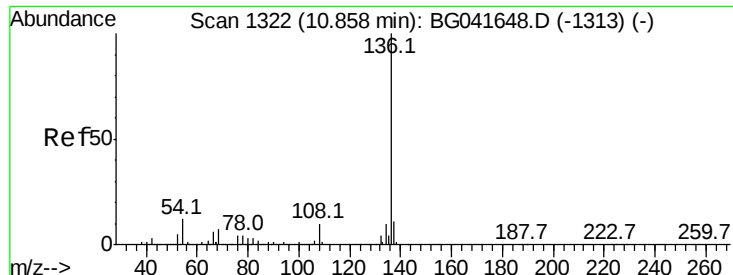
101 0.0 8.1 12.1#

130 2.1 17.3 25.9#



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

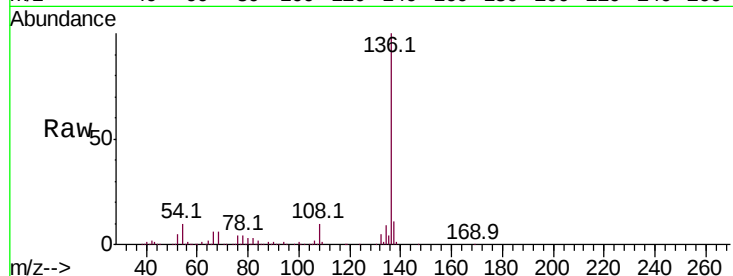




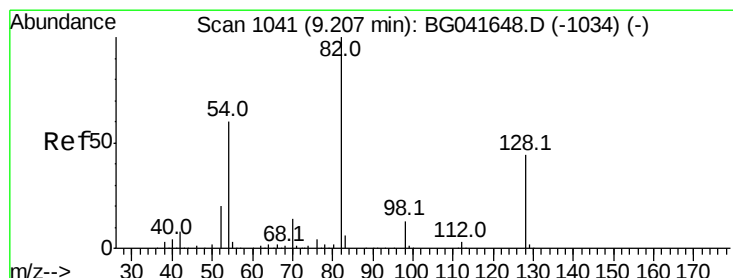
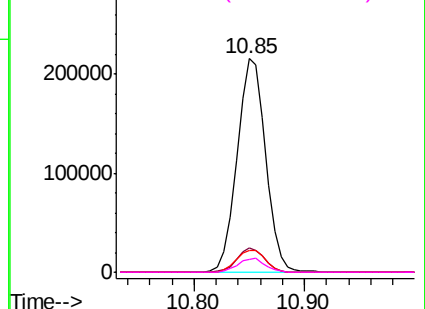
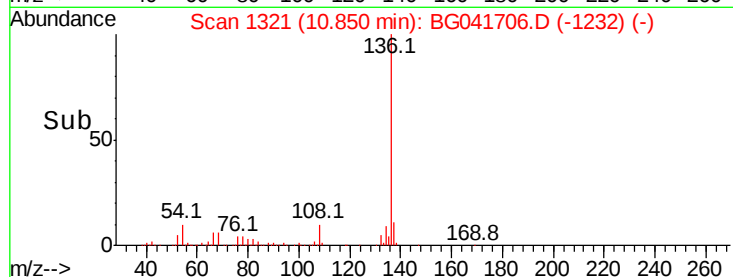
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041706.D
Acq: 18 Jul 2019 2:45

Instrument :
BNA_G
ClientSampleId :
SB-7(13-15)

Tot Ion:	136	Resp:	390949
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	10.0	8.7	13.1
68	6.1	5.5	8.3

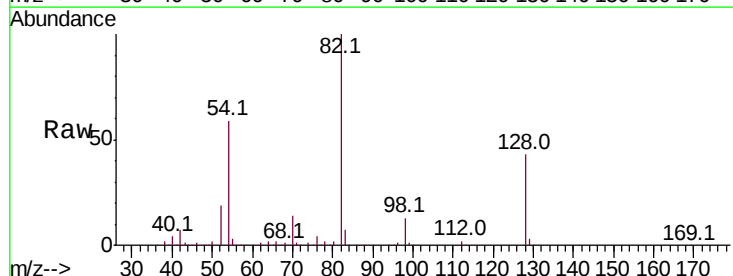


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

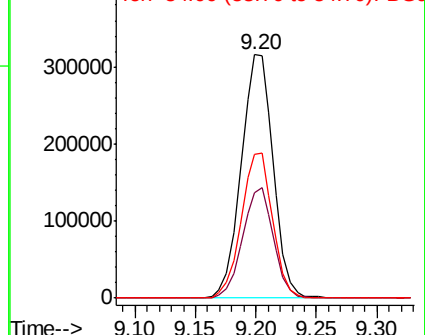
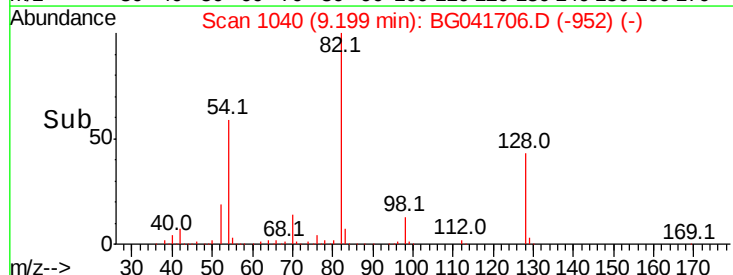


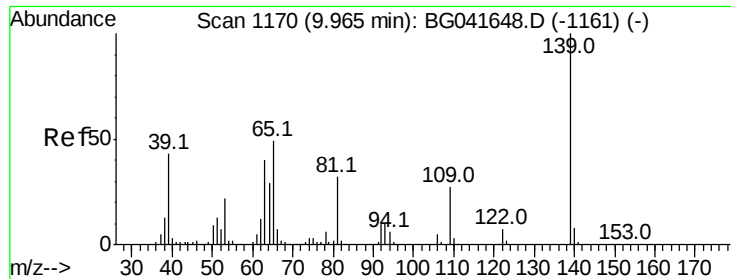
#23
Nitrobenzene-d5
Concen: 90.549 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041706.D
Acq: 18 Jul 2019 2:45

Tgt Ion:	82	Resp:	582091
Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.1	52.7
54	59.2	48.7	73.1



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

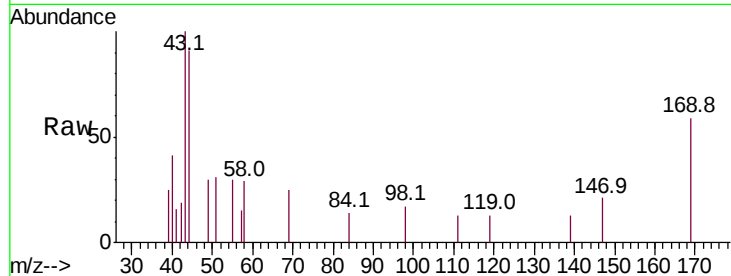




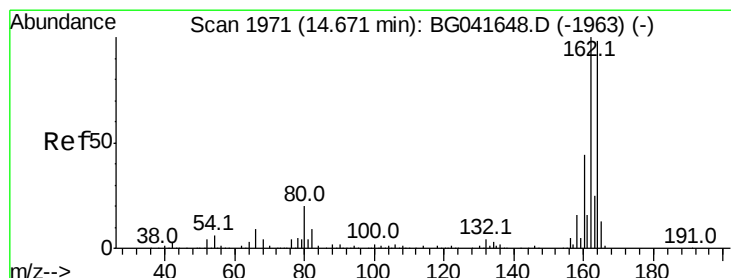
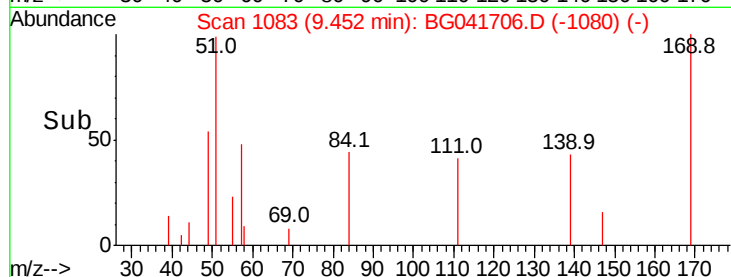
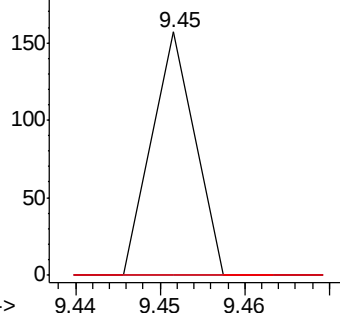
#26
2-Nitrophenol
Concen: 4.669 ng
RT: 9.45 min Scan# 1083
Delta R.T. -0.51 min
Lab File: BG041706.D
Acq: 18 Jul 2019 2:45

Instrument :
BNA_G
ClientSampleId :
SB-7(13-15)

Tot Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 41.1 61.7#

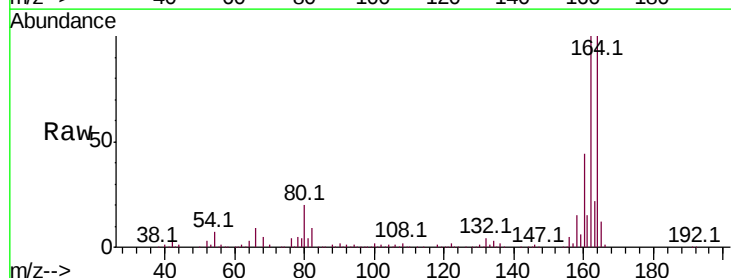


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

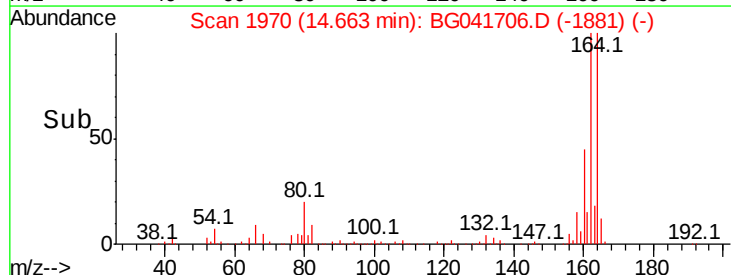
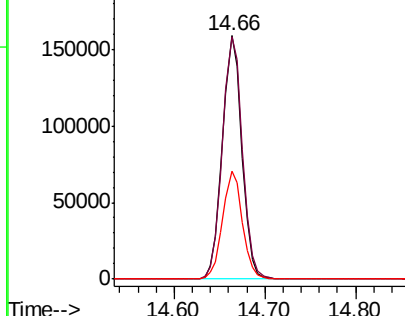


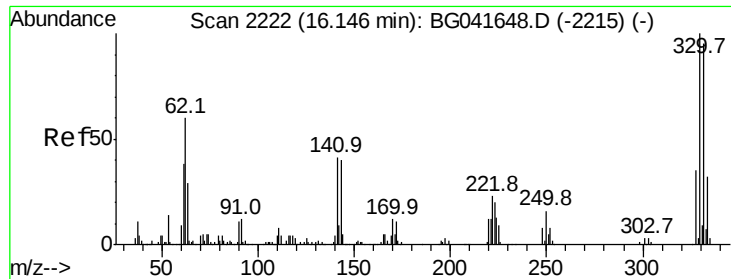
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041706.D
Acq: 18 Jul 2019 2:45

Tgt Ion:164 Resp: 235340
Ion Ratio Lower Upper
164 100
162 99.6 79.6 119.4
160 44.4 35.4 53.0



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

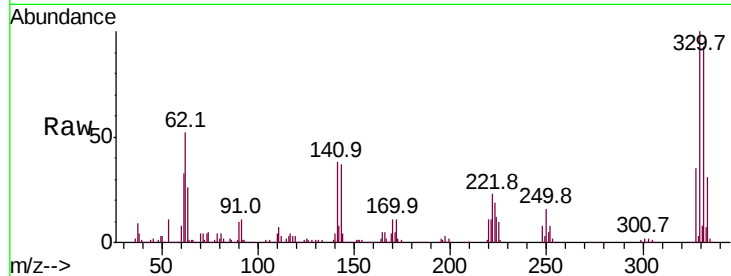




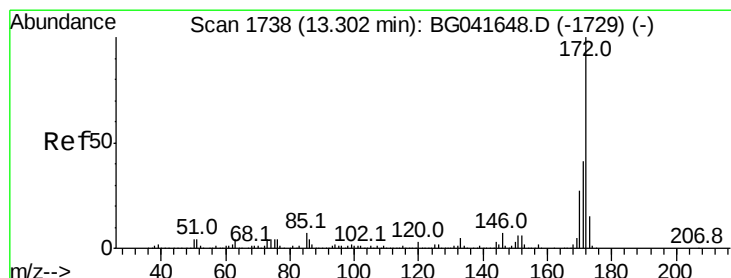
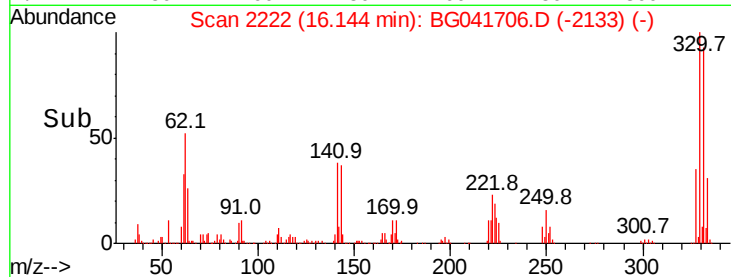
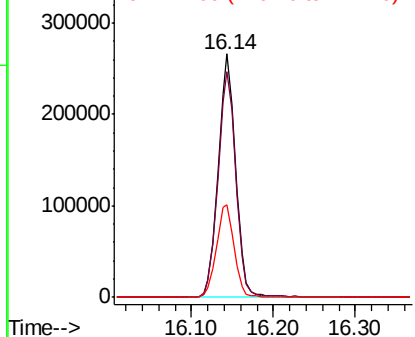
#42
 2,4,6-Tribromophenol
 Concen: 149.180 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041706.D
 Acq: 18 Jul 2019 2:45

Instrument :
 BNA_G
 ClientSampleId :
 SB-7(13-15)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.4	116.0
141	39.2	31.9	47.9

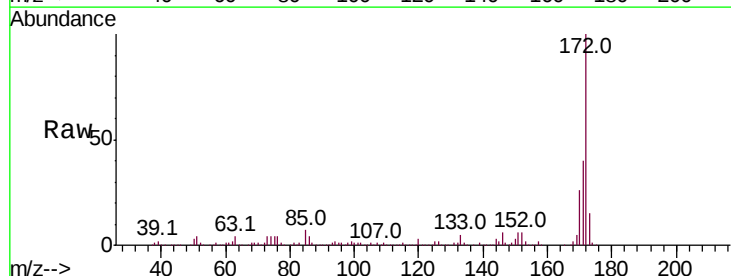


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

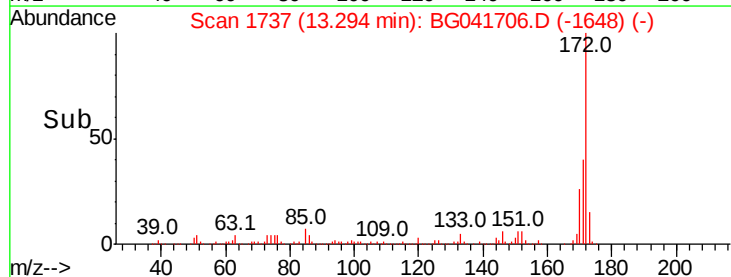
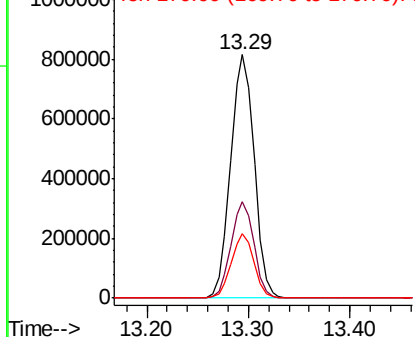


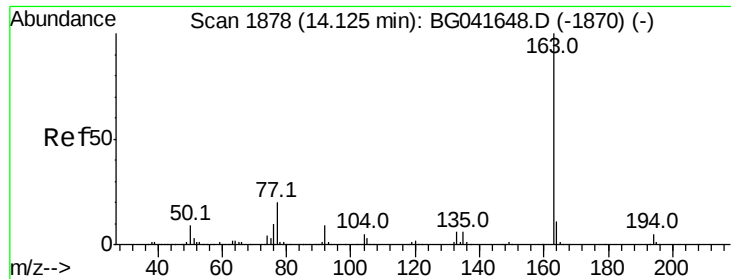
#45
 2-Fluorobiphenyl
 Concen: 86.603 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG041706.D
 Acq: 18 Jul 2019 2:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.6	35.0	52.4
170	26.4	23.5	35.3



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: 20.720 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BG041706.D

Acq: 18 Jul 2019 2:45

Instrument :

BNA_G

ClientSampleId :

SB-7(13-15)

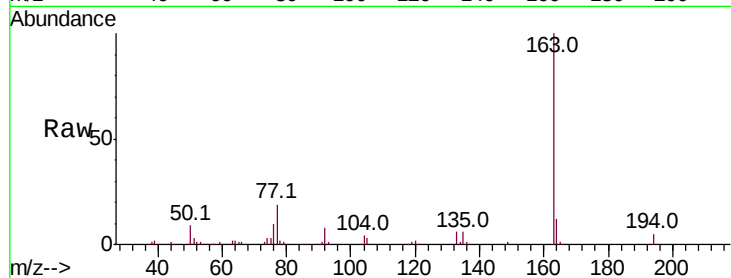
Tot Ion:163 Resp: 382982

Ion Ratio Lower Upper

163 100

194 5.1 4.2 6.2

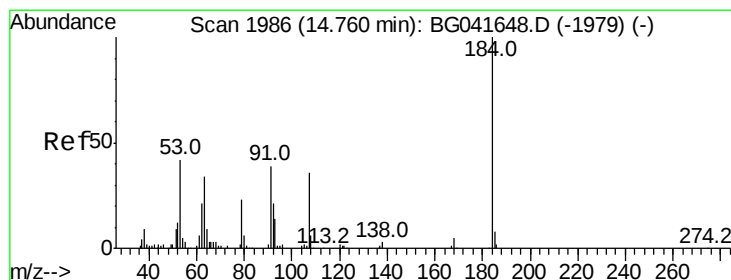
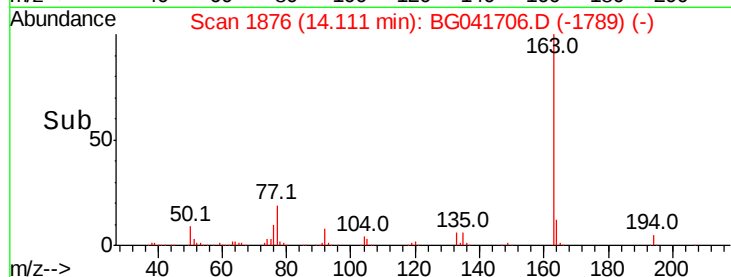
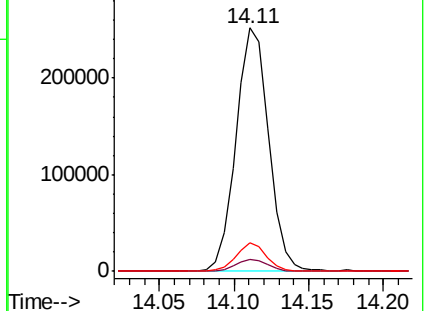
164 11.8 9.4 14.2



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



#54

2,4-Dinitrophenol

Concen: 7.755 ng

RT: 14.48 min Scan# 1939

Delta R.T. -0.28 min

Lab File: BG041706.D

Acq: 18 Jul 2019 2:45

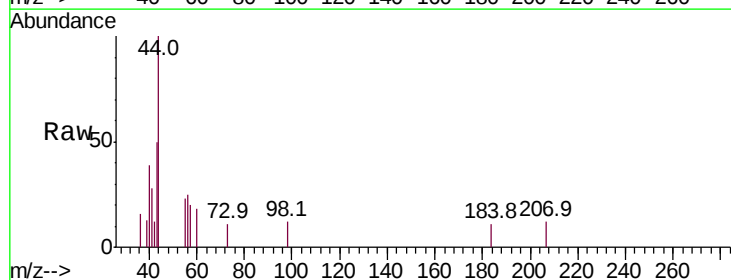
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 0.0 43.2 64.8#

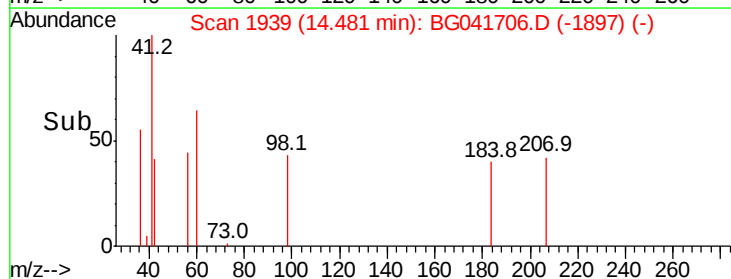
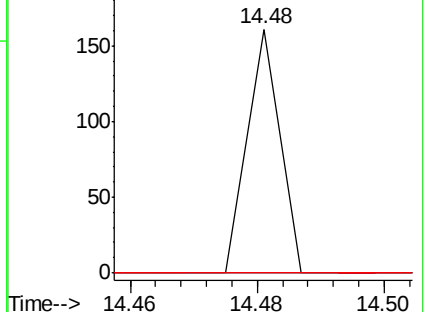
154 0.0 51.4 77.2#

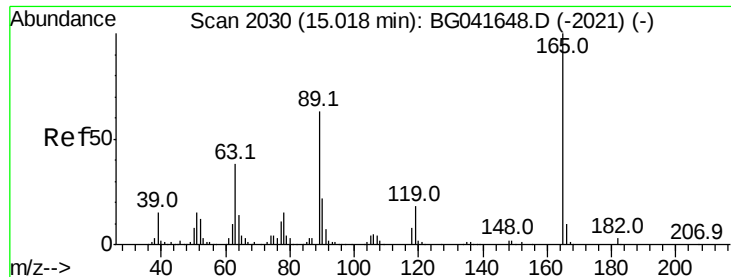


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

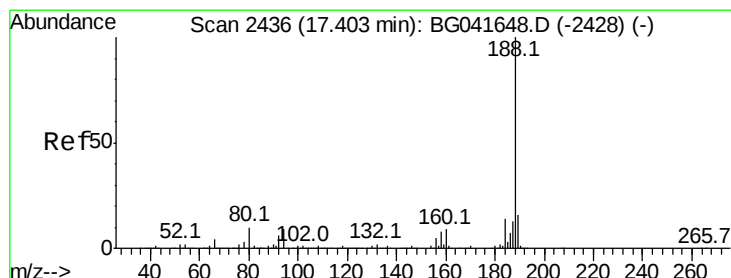
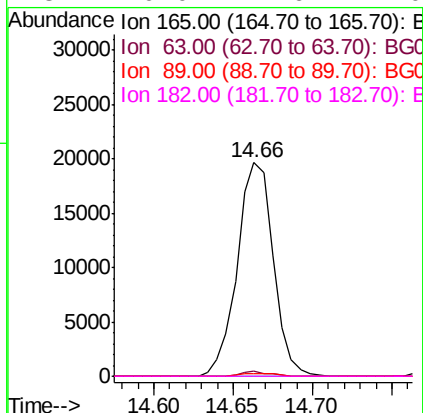
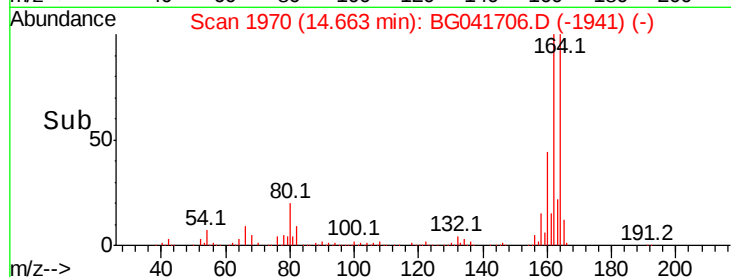
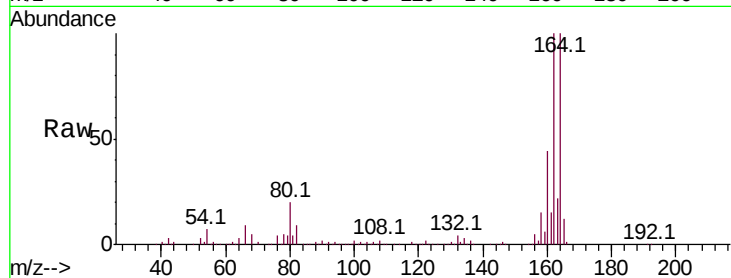




#57
 2,4-Dinitrotoluene
 Concen: 5.978 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG041706.D
 Acq: 18 Jul 2019 2:45

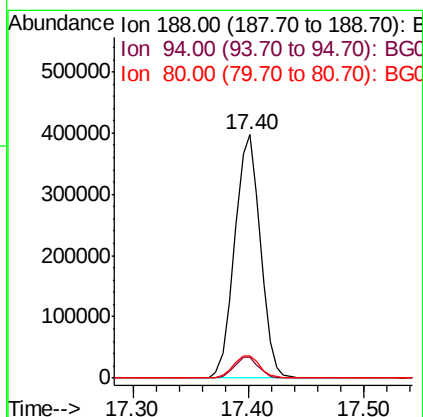
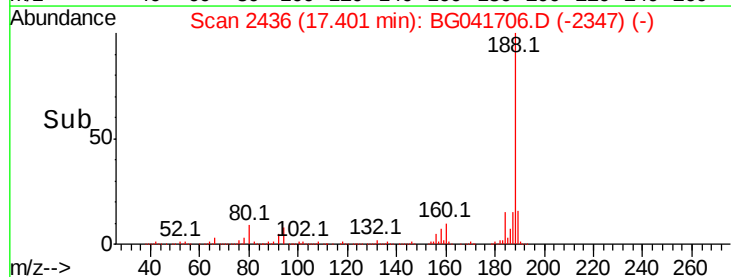
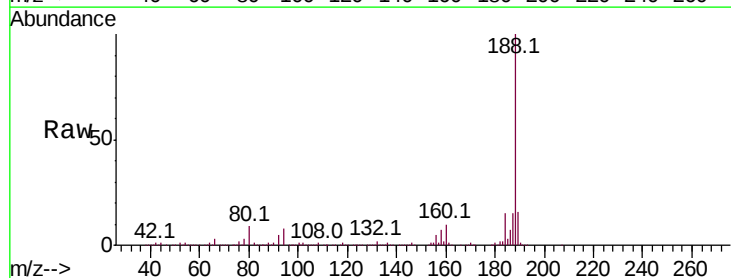
Instrument :
 BNA_G
 ClientSampleId :
 SB-7(13-15)

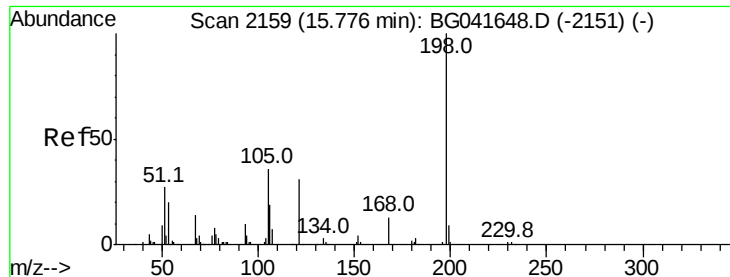
Tot Ion:165 Resp: 30980
 Ion Ratio Lower Upper
 165 100
 63 2.2 31.7 47.5#
 89 1.0 50.2 75.4#
 182 0.0 2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BG041706.D
 Acq: 18 Jul 2019 2:45

Tgt Ion:188 Resp: 612352
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.9 10.3
 80 9.2 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 7.130 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.36 min

Lab File: BG041706.D

Acq: 18 Jul 2019 2:45

Instrument :

BNA_G

ClientSampleId :

SB-7(13-15)

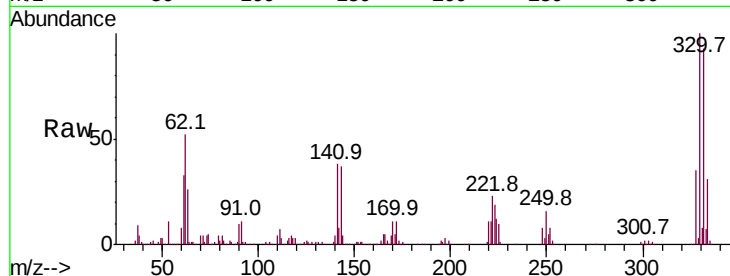
Tot Ion:198 Resp: 1541

Ion Ratio Lower Upper

198 100

51 115.0 22.3 62.3#

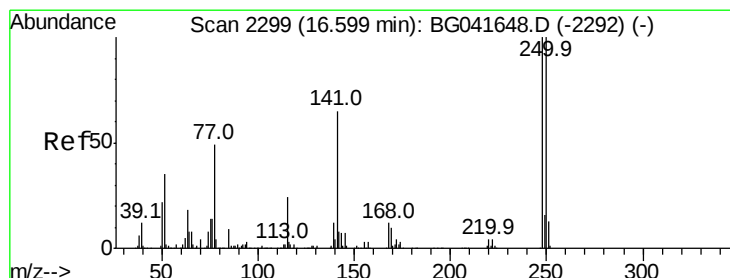
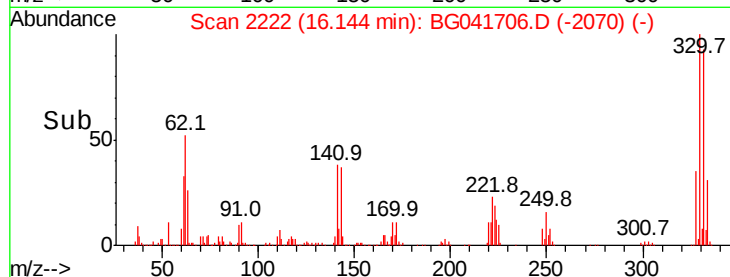
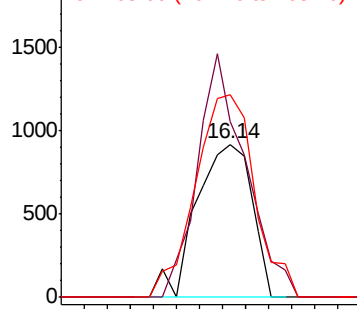
105 132.4 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG041706.D (-2151) (-)

Ion 105.00 (104.70 to 105.70): BG041706.D (-2151) (-)



#67

4-Bromophenyl-phenylether

Concen: 4.336 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.46 min

Lab File: BG041706.D

Acq: 18 Jul 2019 2:45

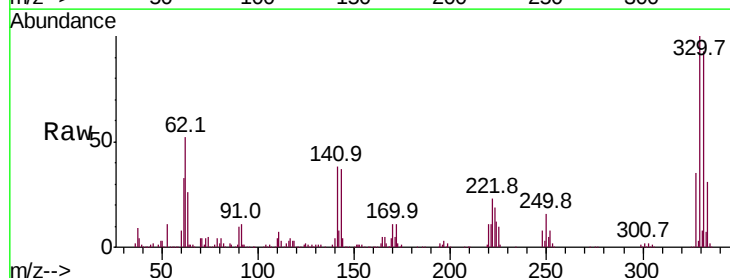
Tgt Ion:248 Resp: 31596

Ion Ratio Lower Upper

248 100

250 206.8 78.1 117.1#

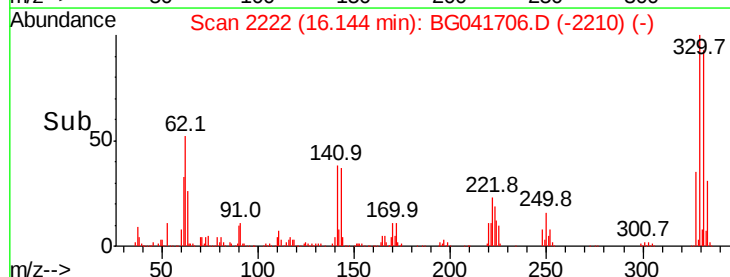
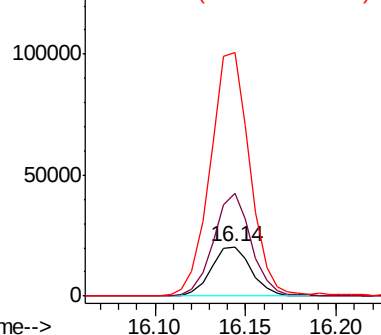
141 490.5 49.6 74.4#

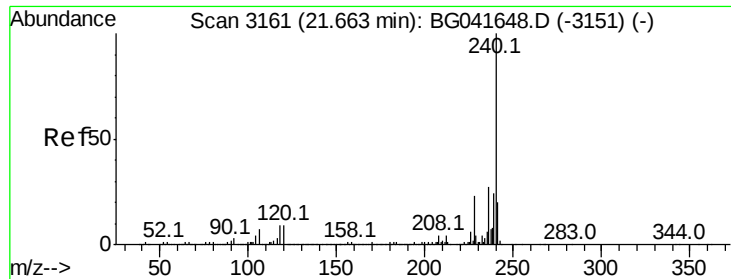


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG041706.D (-2292) (-)

Ion 141.00 (140.70 to 141.70): BG041706.D (-2292) (-)

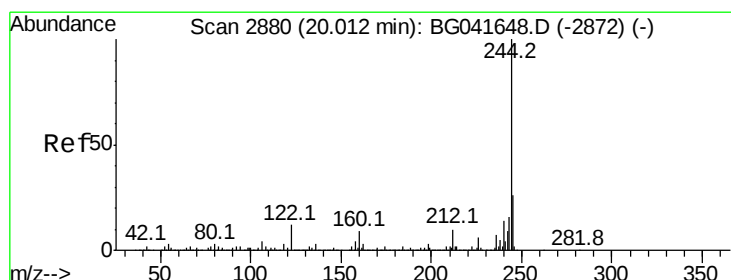
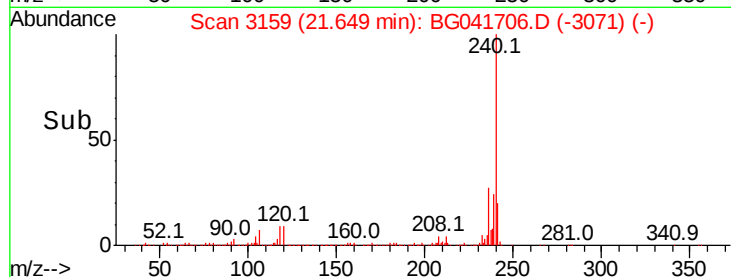
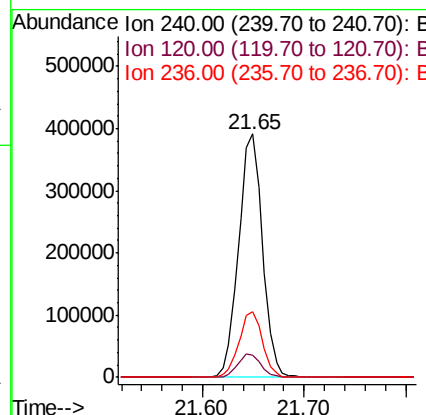
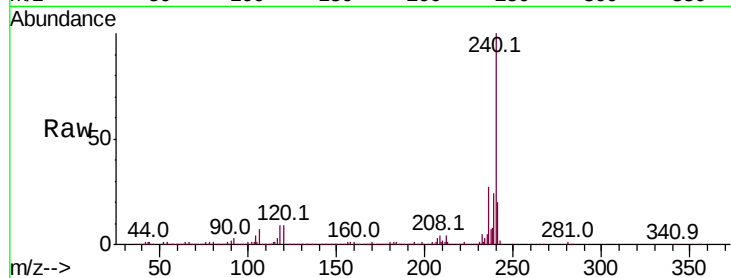




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG041706.D
 Acq: 18 Jul 2019 2:45

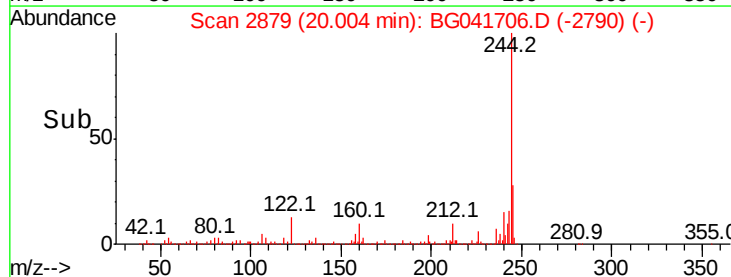
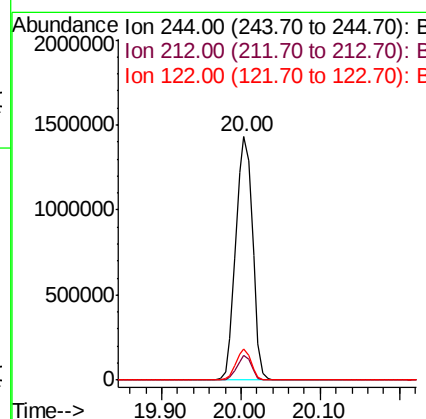
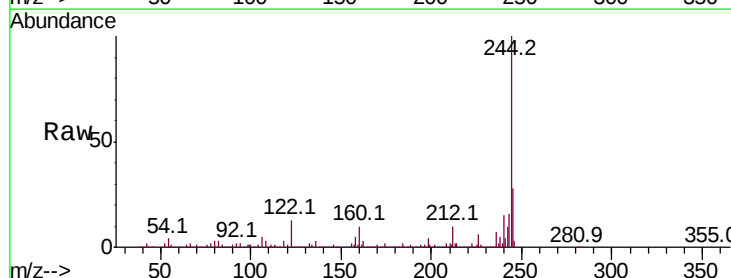
Instrument :
 BNA_G
 ClientSampleId :
 SB-7(13-15)

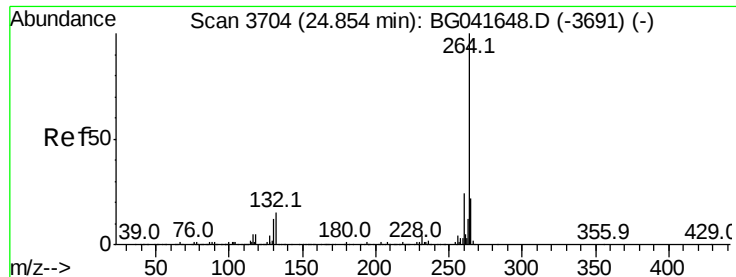
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.0	12.0
236	26.8	22.6	33.8



#79
 Terphenyl-d14
 Concen: 77.087 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG041706.D
 Acq: 18 Jul 2019 2:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.2	9.7	14.5
122	13.0	12.5	18.7





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.84 min Scan# 3702
Delta R.T. -0.02 min
Lab File: BG041706.D
Acq: 18 Jul 2019 2:45

Instrument :
BNA_G
ClientSampleId :
SB-7(13-15)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	22.8	18.0	27.0

