

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041698.D
 Acq On : 17 Jul 2019 21:38
 Operator : HP/JU
 Sample : K3835-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-3(6-8)

Quant Time: Jul 18 07:11:43 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	104379	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	415749	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	258094	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	655925	20.00	ng	0.00
76) Chrysene-d12	21.65	240	684558	20.00	ng	-0.01
87) Perylene-d12	24.84	264	778253	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	746210	116.87	ng	0.00
7) Phenol-d6	7.20	99	1015667	118.26	ng	0.00
23) Nitrobenzene-d5	9.20	82	617407	90.31	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	411249	141.39	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1310000	78.60	ng	0.00
79) Terphenyl-d14	20.00	244	2099497	71.67	ng	0.00

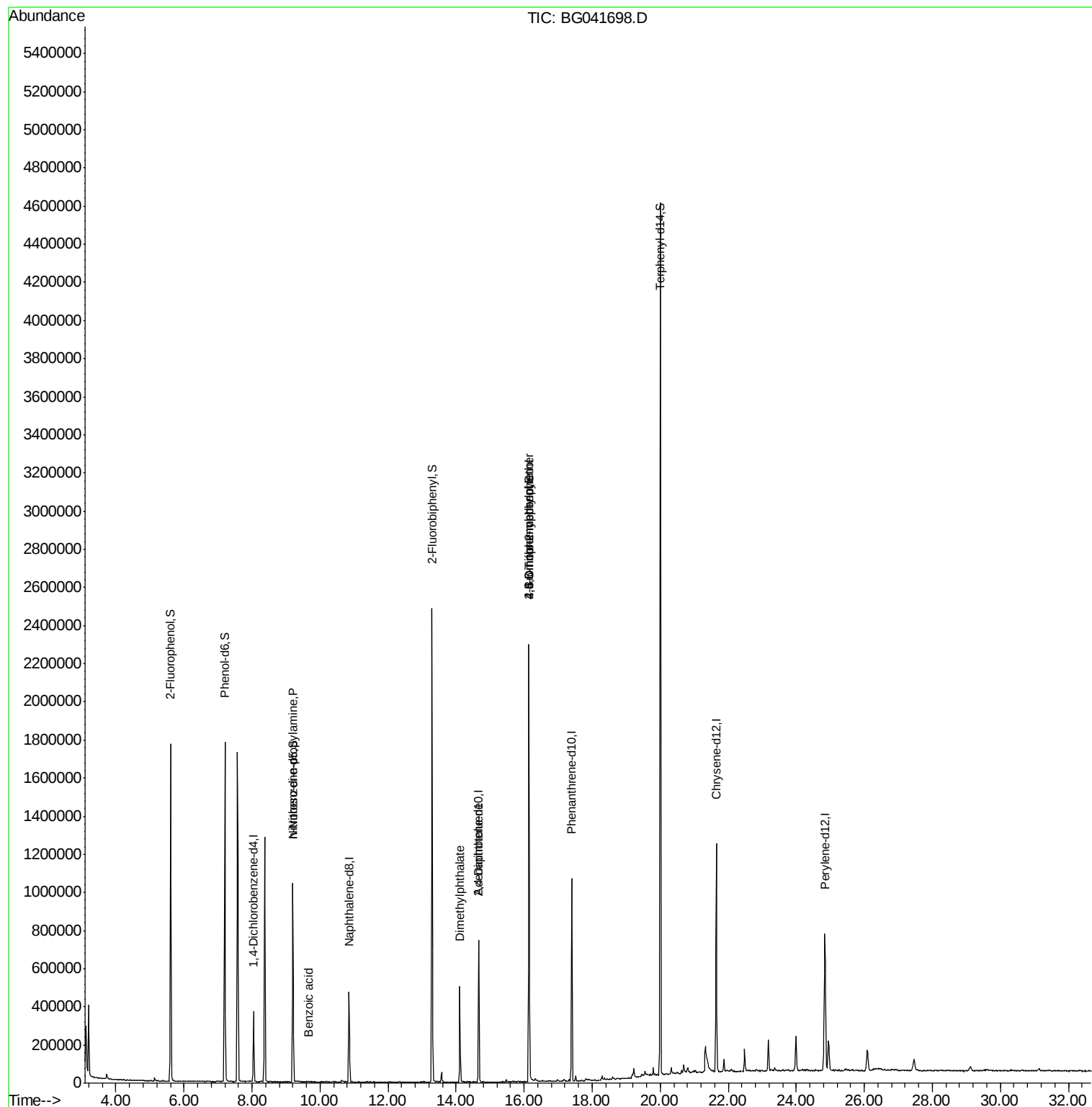
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1813	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	9.20	70	83564	13.312	ng	# 72
32) Benzoic acid	9.67	122	56	6.023	ng	# 1
50) Dimethylphthalate	14.11	163	360416	17.780	ng	97
57) 2,4-Dinitrotoluene	14.66	165	33112	5.826	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.14	198	1510	7.091	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	33143	4.247	ng	# 1
77) Benzidine	20.00	184	36273	Below Cal	#	91

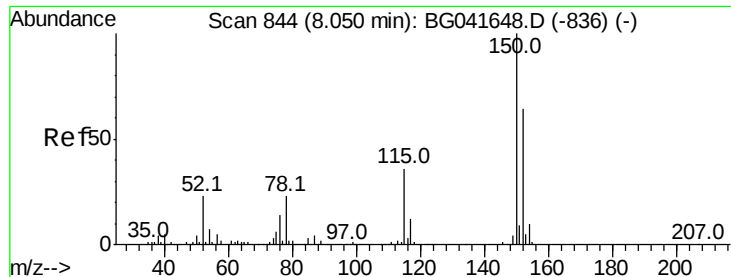
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG041698.D

Acq: 17 Jul 2019 21:38

Instrument :

BNA_G

ClientSampleId :

SB-3(6-8)

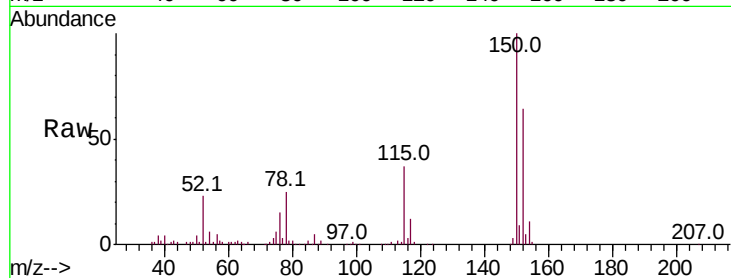
Tot Ion:152 Resp: 104379

Ion Ratio Lower Upper

152 100

150 156.3 126.9 190.3

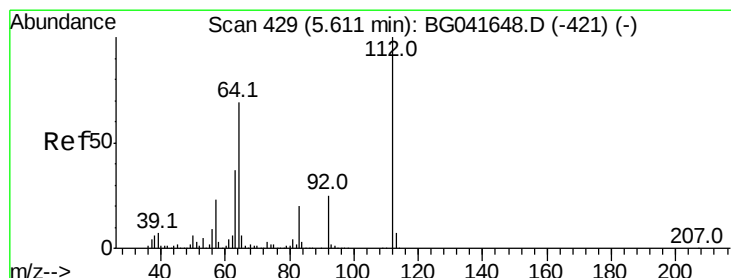
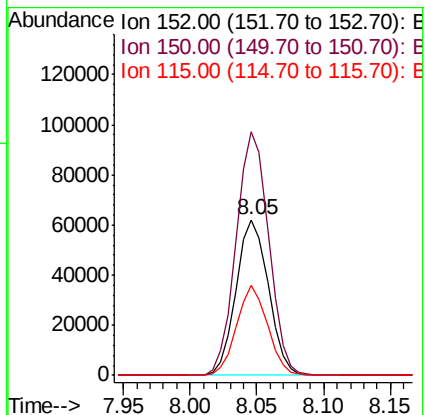
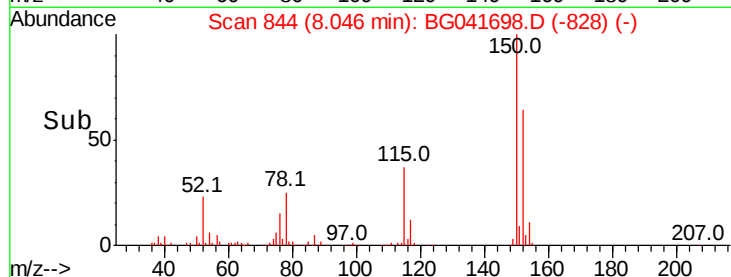
115 58.1 45.0 67.6



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: 116.869 ng

RT: 5.61 min Scan# 429

Delta R.T. -0.00 min

Lab File: BG041698.D

Acq: 17 Jul 2019 21:38

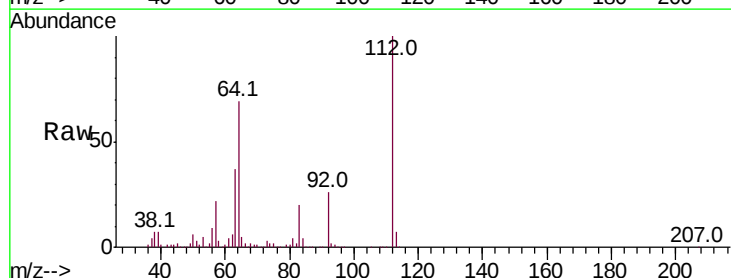
Tgt Ion:112 Resp: 746210

Ion Ratio Lower Upper

112 100

64 68.8 55.4 83.2

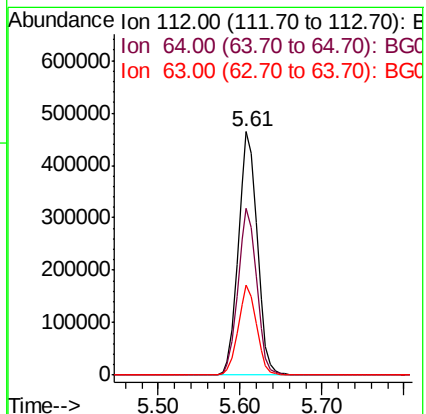
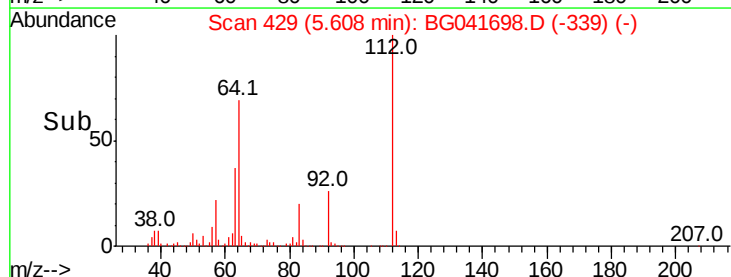
63 36.7 29.1 43.7

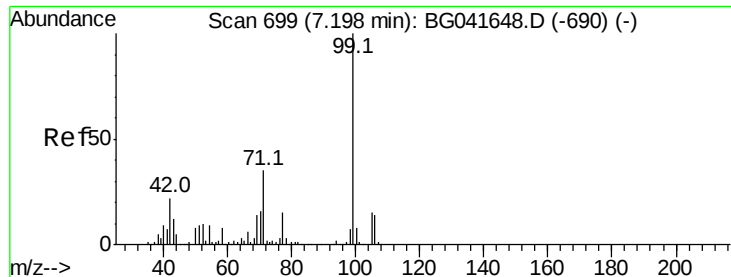


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 118.264 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041698.D

Acq: 17 Jul 2019 21:38

Instrument :

BNA_G

ClientSampleId :

SB-3(6-8)

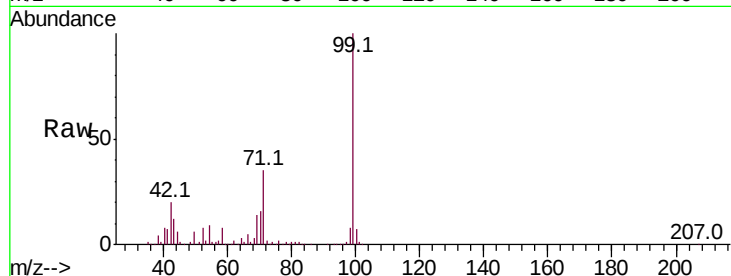
Tot Ion: 99 Resp: 1015667

Ion Ratio Lower Upper

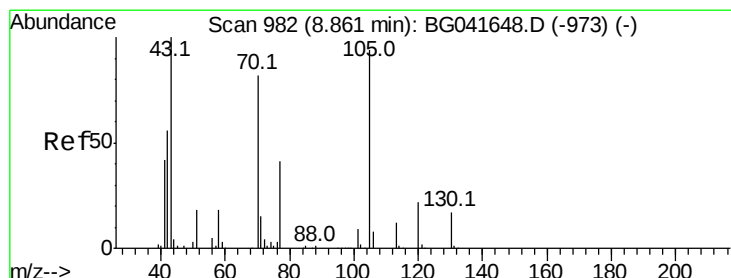
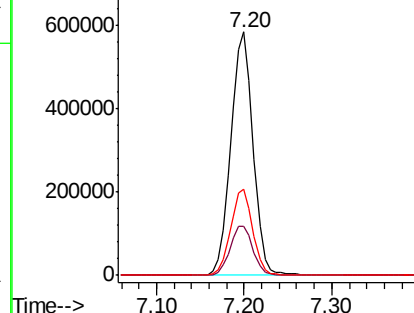
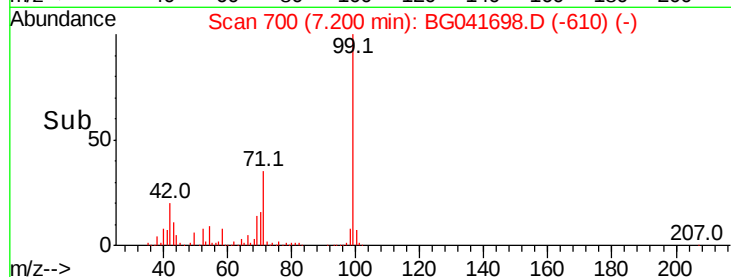
99 100

42 20.3 17.6 26.4

71 35.4 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: 13.312 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.33 min

Lab File: BG041698.D

Acq: 17 Jul 2019 21:38

Tgt Ion: 70 Resp: 83564

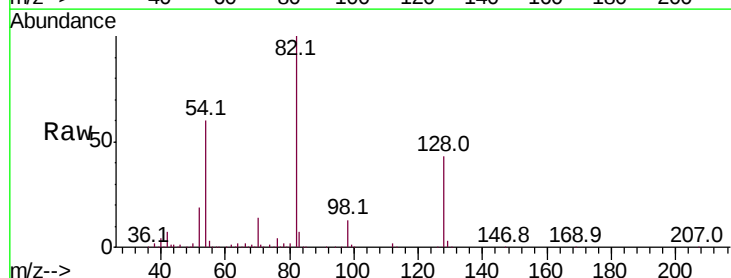
Ion Ratio Lower Upper

70 100

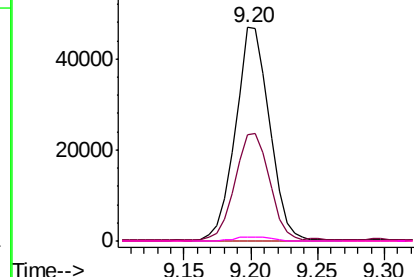
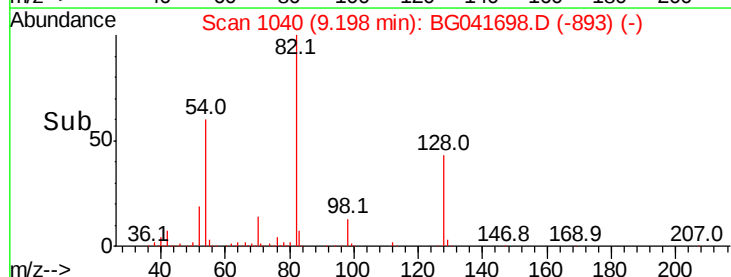
42 49.9 55.8 83.6#

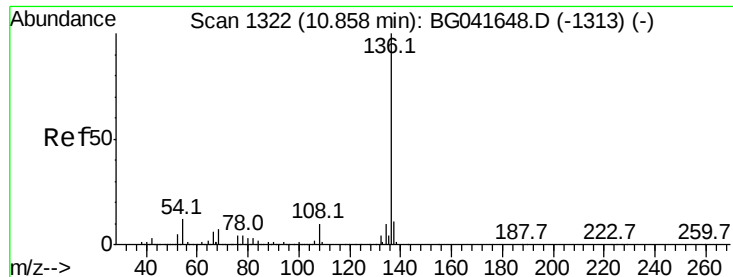
101 0.0 8.1 12.1#

130 2.0 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# 1322

Delta R.T. -0.00 min

Lab File: BG041698.D

Acq: 17 Jul 2019 21:38

Instrument :

BNA_G

ClientSampleId :

SB-3(6-8)

Tot Ion:136 Resp: 415749

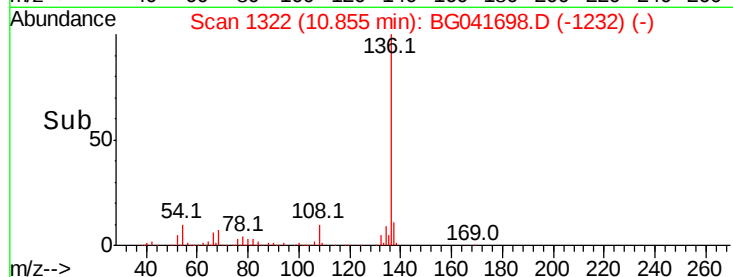
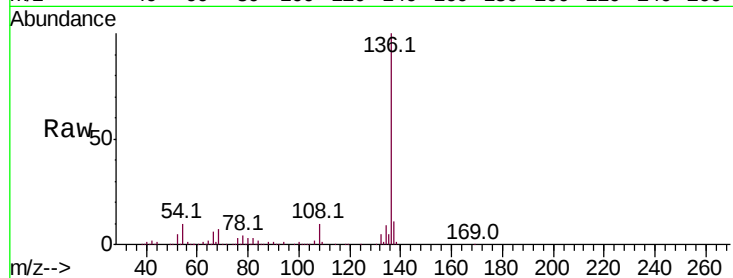
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 9.9 8.7 13.1

68 6.6 5.5 8.3

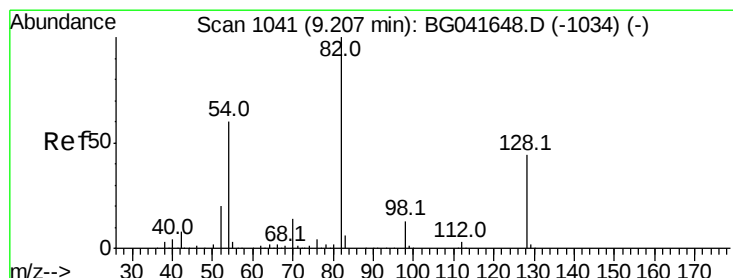
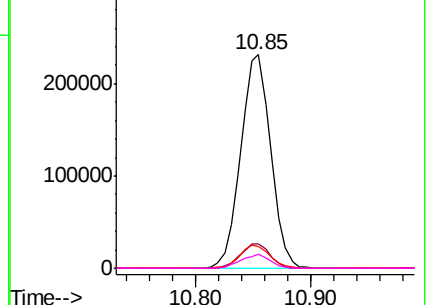


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.313 ng

RT: 9.20 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG041698.D

Acq: 17 Jul 2019 21:38

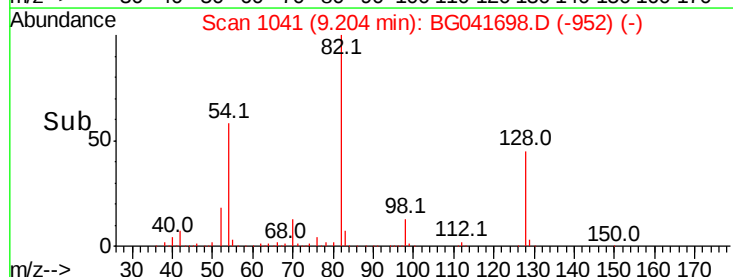
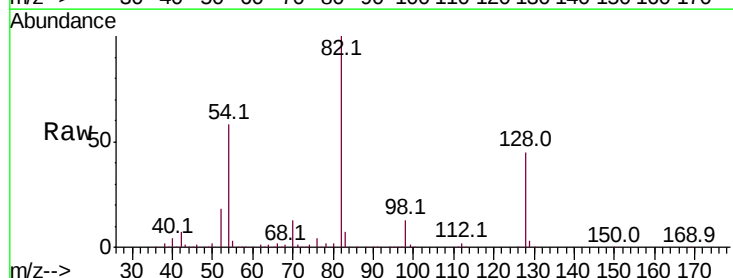
Tgt Ion: 82 Resp: 617407

Ion Ratio Lower Upper

82 100

128 44.8 35.1 52.7

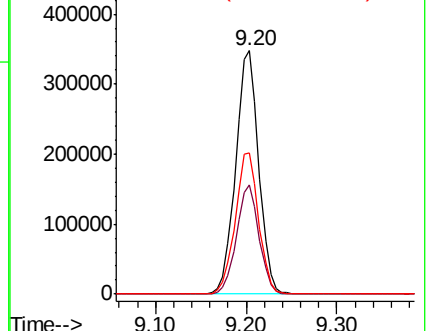
54 57.8 48.7 73.1

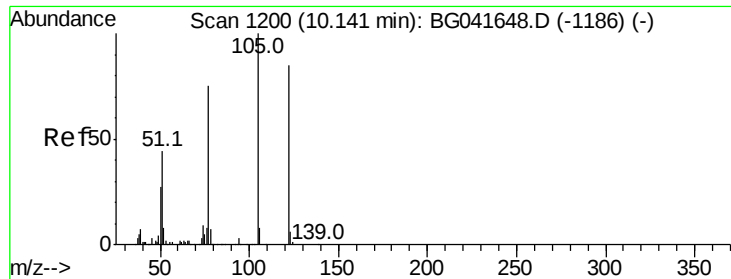


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

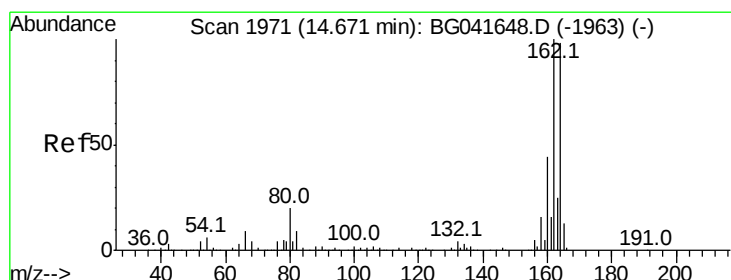
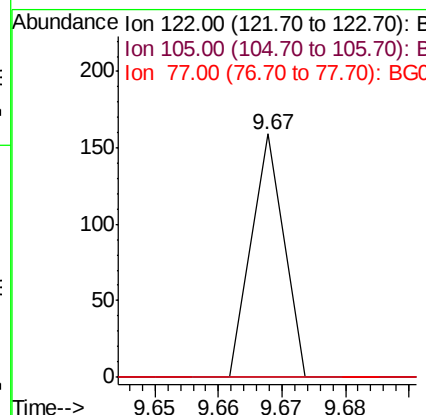
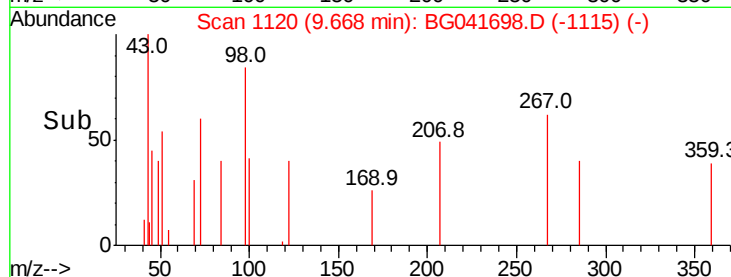
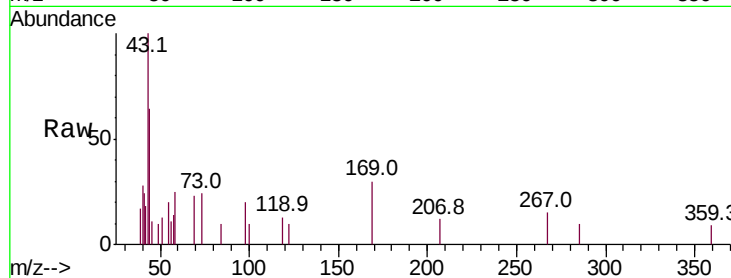




#32
Benzoic acid
Concen: 6.023 ng
RT: 9.67 min Scan# 1120
Delta R.T. -0.50 min
Lab File: BG041698.D
Acq: 17 Jul 2019 21:38

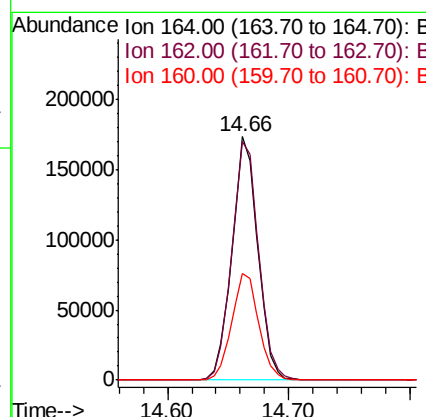
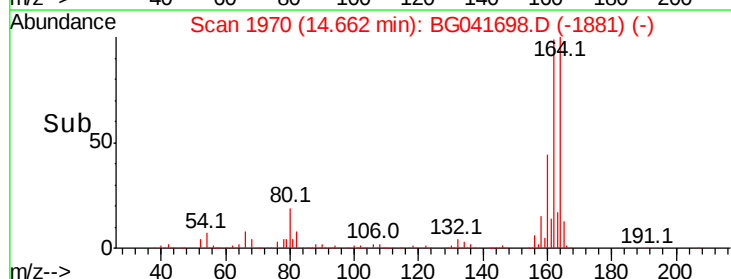
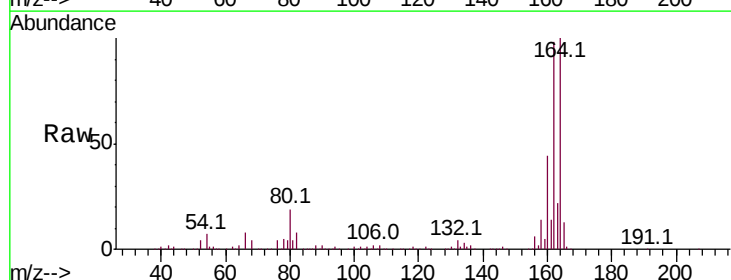
Instrument :
BNA_G
ClientSampled :
SB-3(6-8)

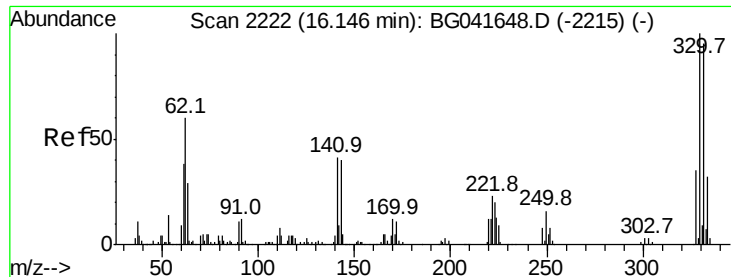
Tot Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 101.5 141.5#
77 0.0 73.0 113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041698.D
Acq: 17 Jul 2019 21:38

Tgt Ion:164 Resp: 258094
Ion Ratio Lower Upper
164 100
162 98.2 79.6 119.4
160 43.9 35.4 53.0

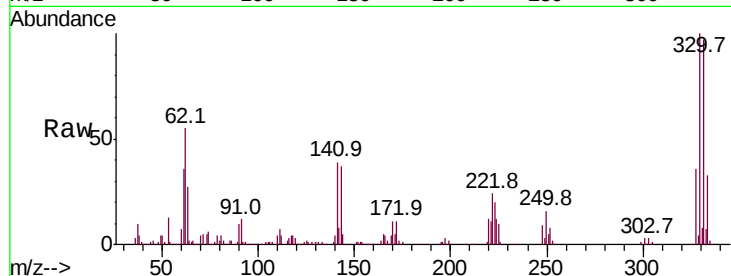




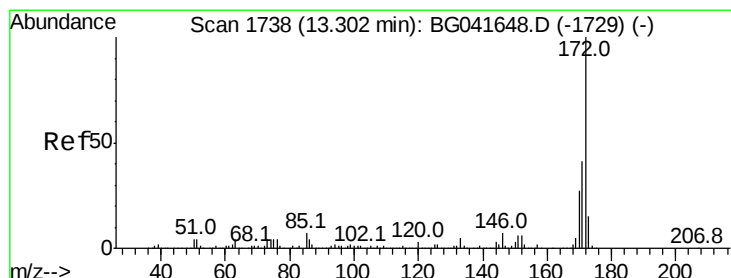
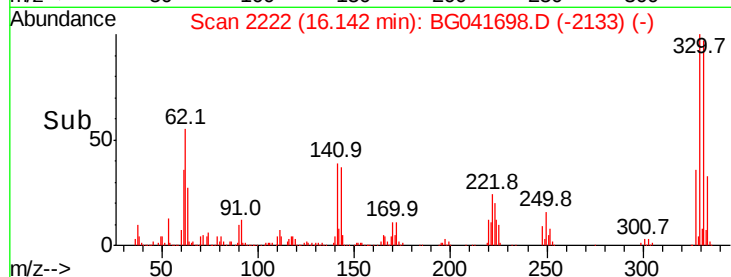
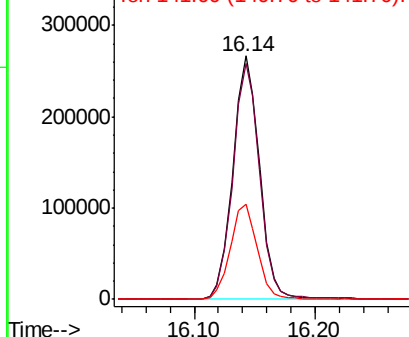
#42
 2,4,6-Tribromophenol
 Concen: 141.387 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041698.D
 Acq: 17 Jul 2019 21:38

Instrument :
 BNA_G
 ClientSampleId :
 SB-3(6-8)

Tot Ion:330 Resp: 411249
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.0
 141 39.7 31.9 47.9

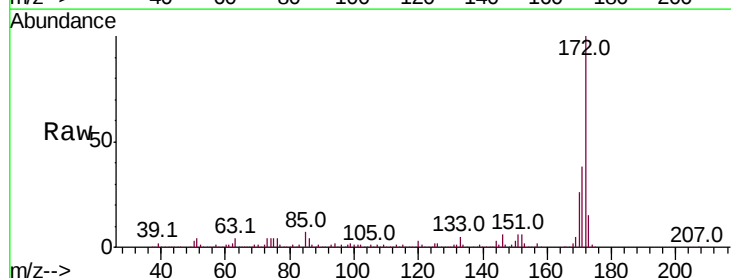


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

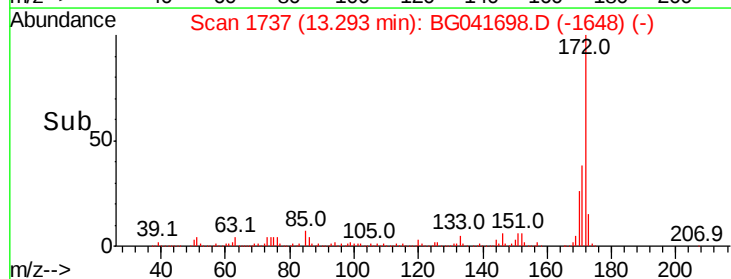
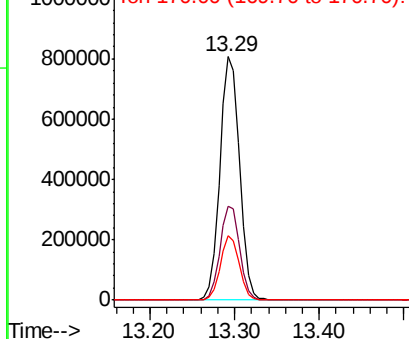


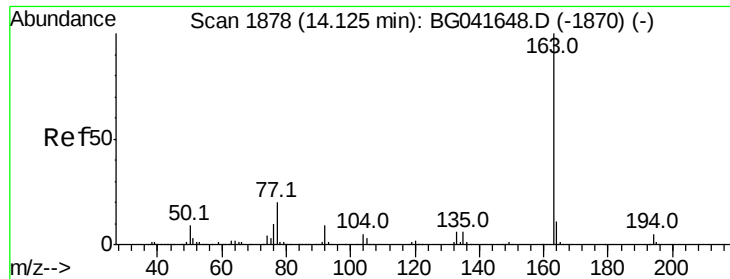
#45
 2-Fluorobiphenyl
 Concen: 78.597 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG041698.D
 Acq: 17 Jul 2019 21:38

Tgt Ion:172 Resp: 1310000
 Ion Ratio Lower Upper
 172 100
 171 38.4 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

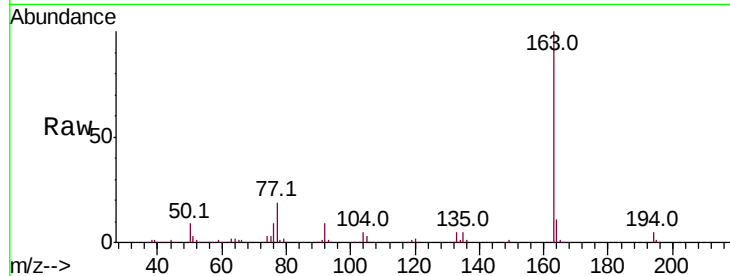




#50
Dimethylphthalate
Concen: 17.780 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041698.D
Acq: 17 Jul 2019 21:38

Instrument :
BNA_G
ClientSampleId :
SB-3(6-8)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.2	6.2
164	10.7	9.4	14.2

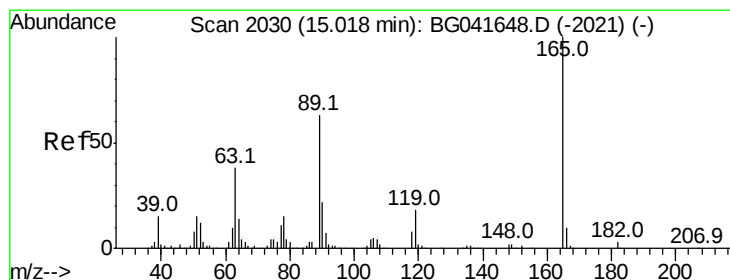
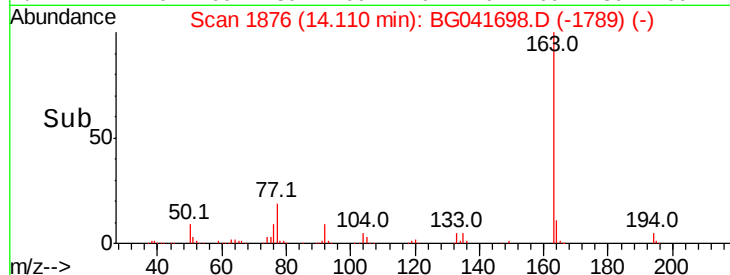
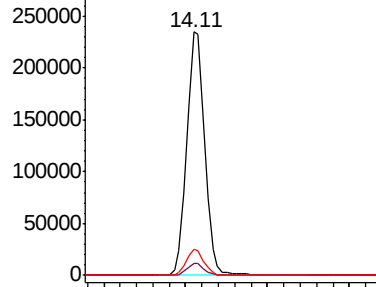


Abundance

Ion 163.00 (162.70 to 163.70): E

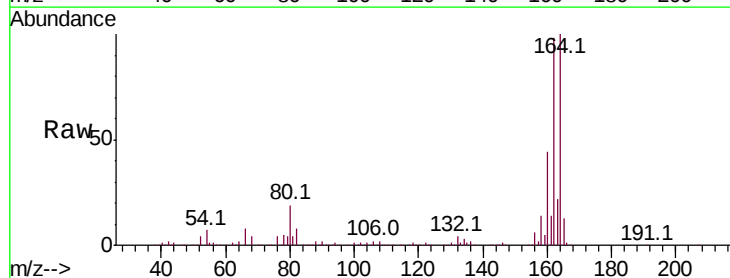
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 5.826 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG041698.D
Acq: 17 Jul 2019 21:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	31.7	47.5#
89	1.5	50.2	75.4#
182	0.0	2.6	4.0#



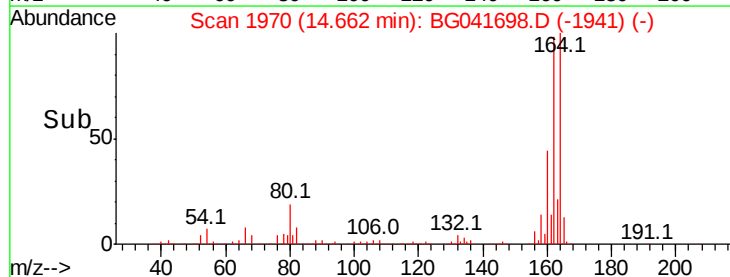
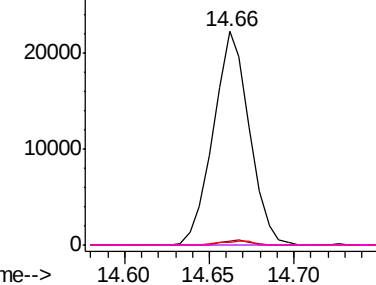
Abundance

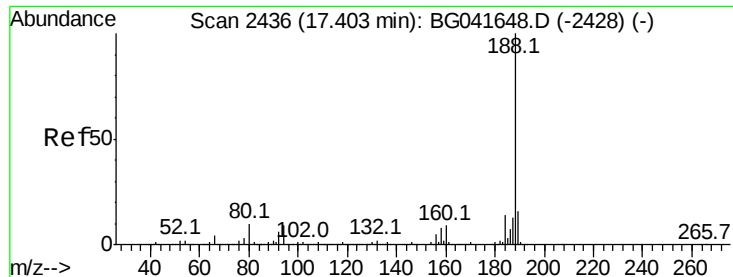
Ion 165.00 (164.70 to 165.70): E

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

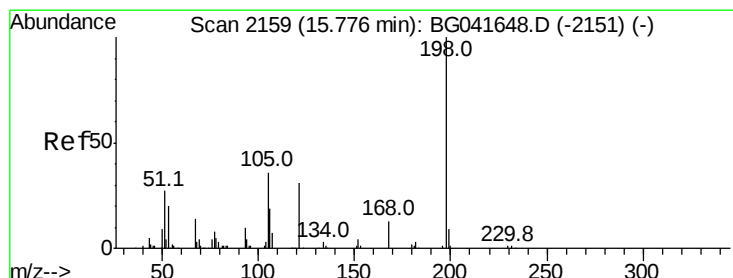
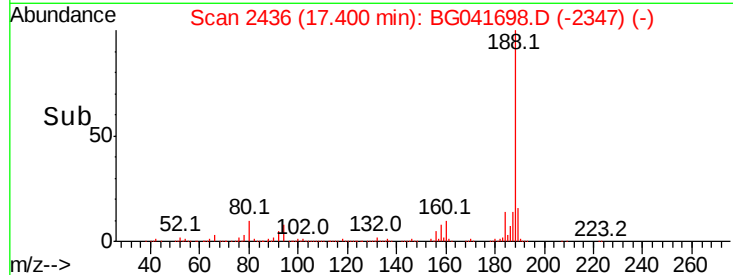
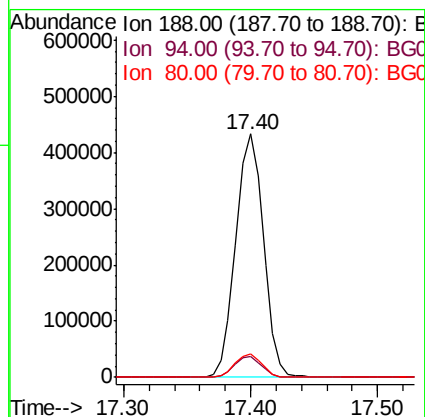
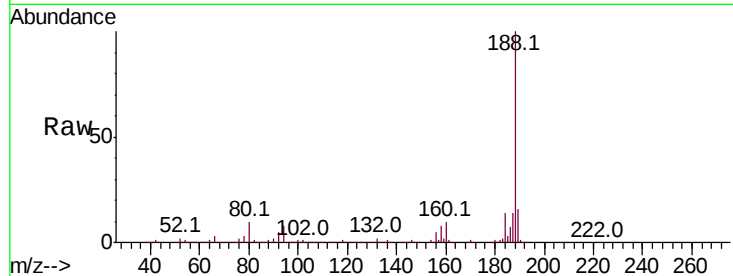




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.01 min
Lab File: BG041698.D
Acq: 17 Jul 2019 21:38

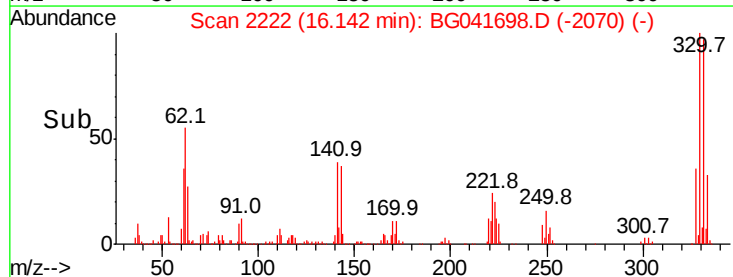
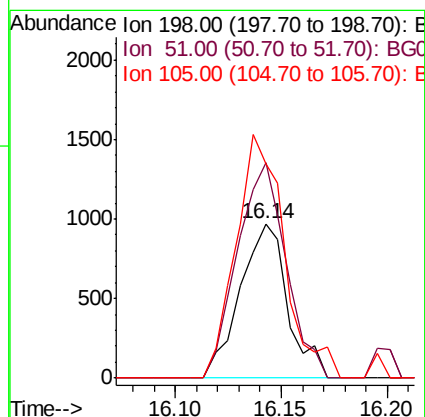
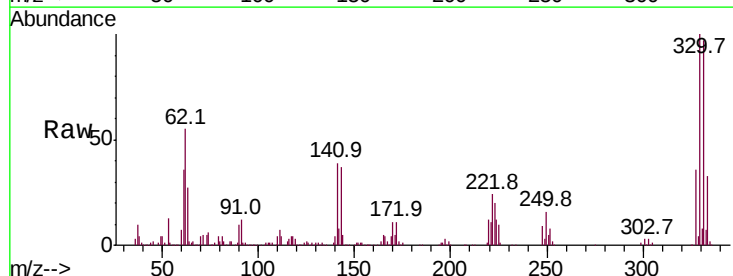
Instrument :
BNA_G
ClientSampleId :
SB-3(6-8)

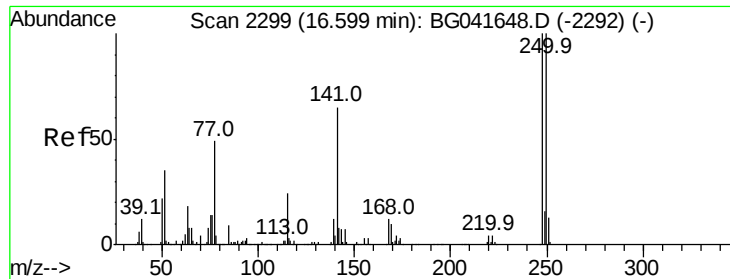
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.9	10.3
80	9.5	8.0	12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 7.091 ng
RT: 16.14 min Scan# 2222
Delta R.T. 0.36 min
Lab File: BG041698.D
Acq: 17 Jul 2019 21:38

Tgt Ion	Ratio	Lower	Upper
198	100		
51	139.8	22.3	62.3#
105	138.7	18.0	58.0#

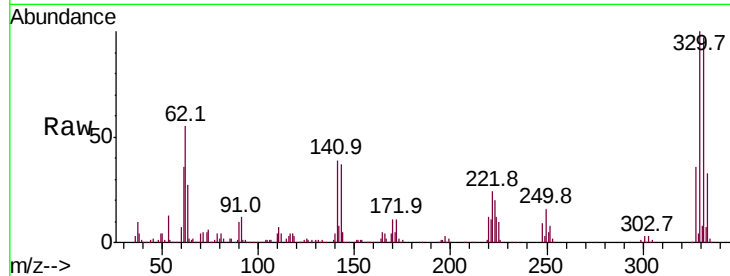




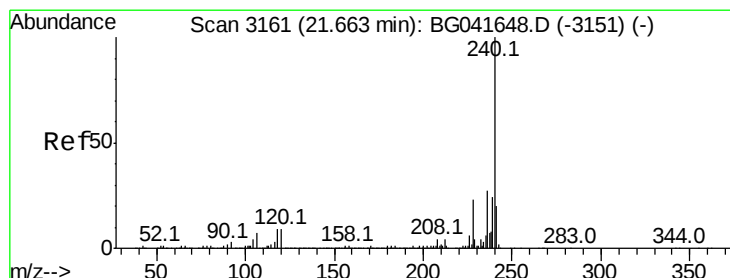
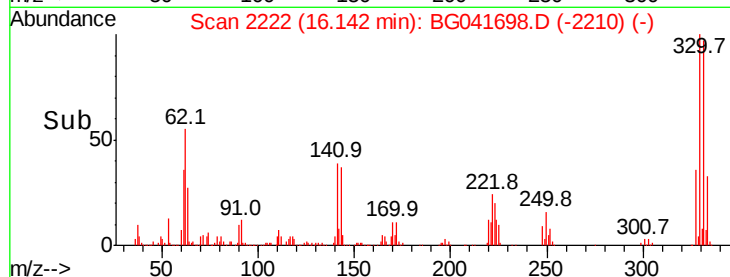
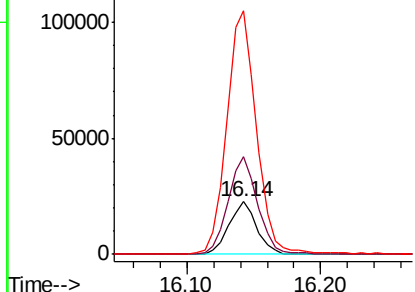
#67
4-Bromophenyl-phenylether
Concen: 4.247 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.46 min
Lab File: BG041698.D
Acq: 17 Jul 2019 21:38

Instrument :
BNA_G
ClientSampleId :
SB-3(6-8)

Tot Ion:248 Resp: 33143
Ion Ratio Lower Upper
248 100
250 184.6 78.1 117.1#
141 460.7 49.6 74.4#

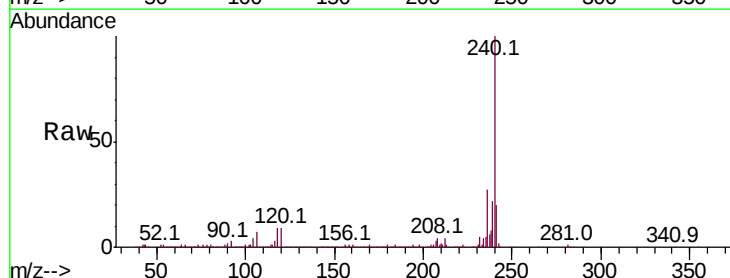


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

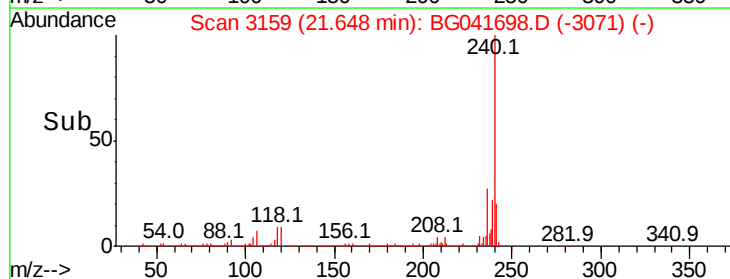
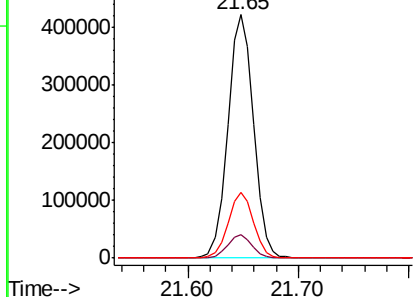


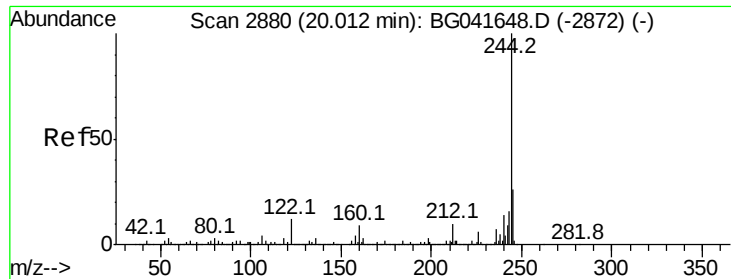
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG041698.D
Acq: 17 Jul 2019 21:38

Tgt Ion:240 Resp: 684558
Ion Ratio Lower Upper
240 100
120 9.5 8.0 12.0
236 27.1 22.6 33.8



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



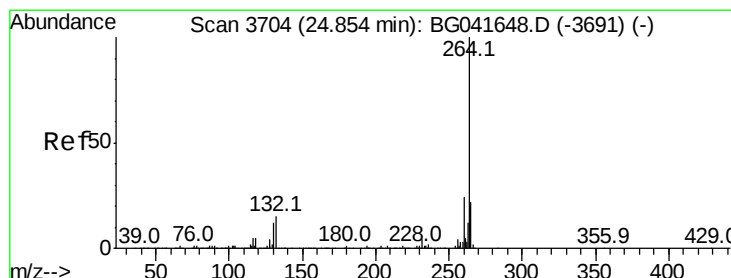
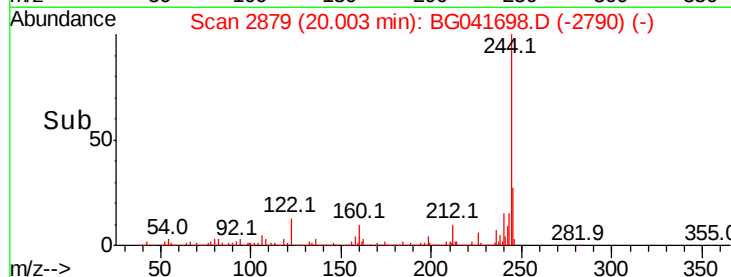
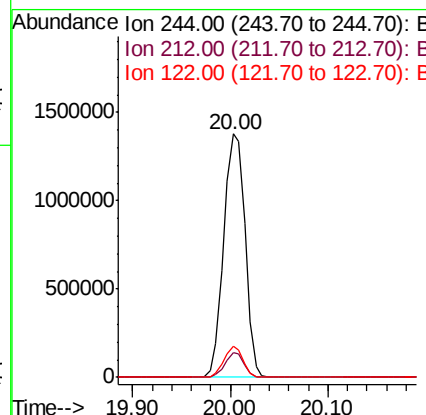
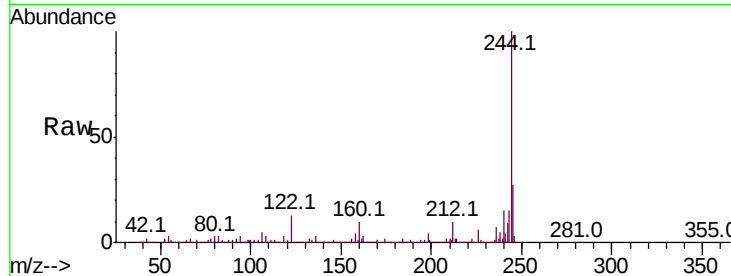


#79
 Terphenyl-d14
 Concen: 71.671 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG041698.D
 Acq: 17 Jul 2019 21:38

Instrument :
 BNA_G
 ClientSampleId :
 SB-3(6-8)

Tot Ion:244 Resp: 2099497

Ion	Ratio	Lower	Upper
244	100		
212	9.9	9.7	14.5
122	13.0	12.5	18.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.84 min Scan# 3703
 Delta R.T. -0.02 min
 Lab File: BG041698.D
 Acq: 17 Jul 2019 21:38

Tgt Ion:264 Resp: 778253

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.1	18.0	27.0

