

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041840.D
 Acq On : 31 Jul 2019 19:29
 Operator : HP/JU
 Sample : K3622-14RX
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-A

Quant Time: Aug 01 01:50:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

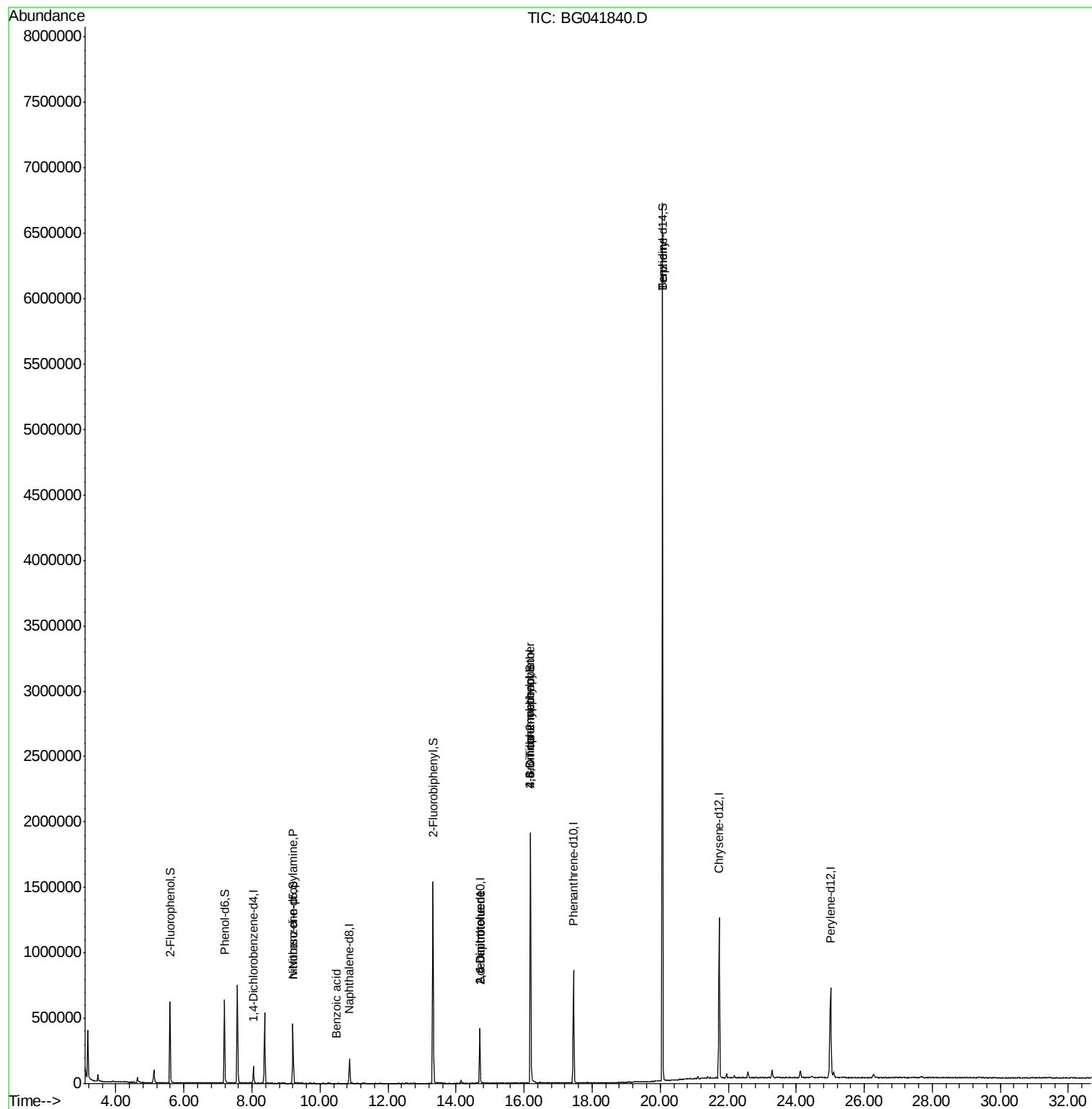
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39940	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	178459	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	158773	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	570625	20.00	ng	0.00
76) Chrysene-d12	21.73	240	764295	20.00	ng	0.00
87) Perylene-d12	25.01	264	796298	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	298139	145.23	ng	0.00
7) Phenol-d6	7.19	99	388931	140.53	ng	0.00
23) Nitrobenzene-d5	9.20	82	283875	109.47	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	437149	242.40	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	866851	96.29	ng	-0.01
79) Terphenyl-d14	20.07	244	2933883	87.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	37061	18.445	ng	# 67
32) Benzoic acid	10.47	122	55	8.757	ng	# 1
51) 2,6-Dinitrotoluene	14.70	165	20105	8.867	ng	# 27
57) 2,4-Dinitrotoluene	14.70	165	20105	6.448	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.18	198	1232	7.230	ng	# 1
67) 4-Bromophenyl-phenylether	16.18	248	32583	4.636	ng	# 1
77) Benzidine	20.07	184	56405	2.261	ng	# 94

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

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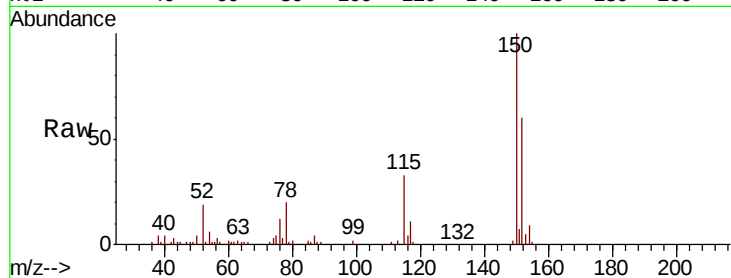


#1

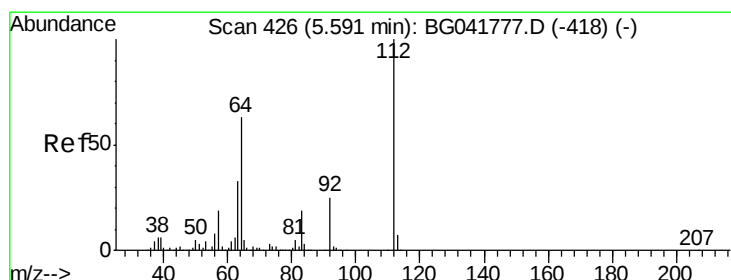
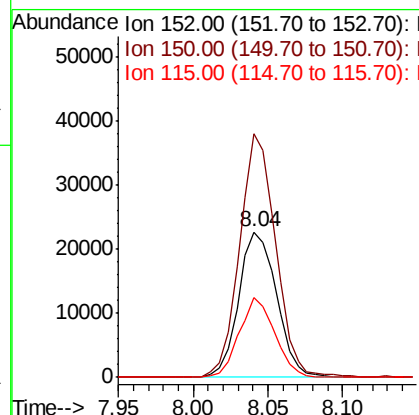
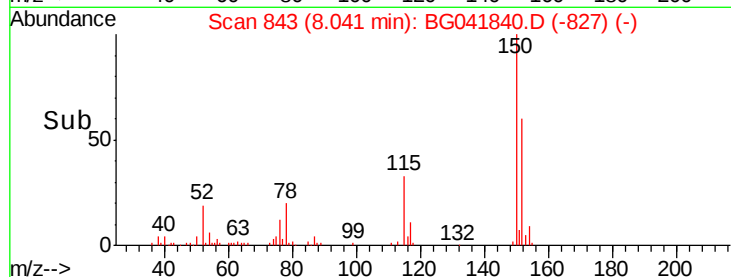
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041840.D
Acq: 31 Jul 2019 19:29

Instrument :
BNA_G
ClientSampleId :
OR-03-072919-A

Tgt Ion:152 Resp: 39940
Ion Ratio Lower Upper
152 100
150 167.8 126.9 190.3
115 55.4 45.0 67.6



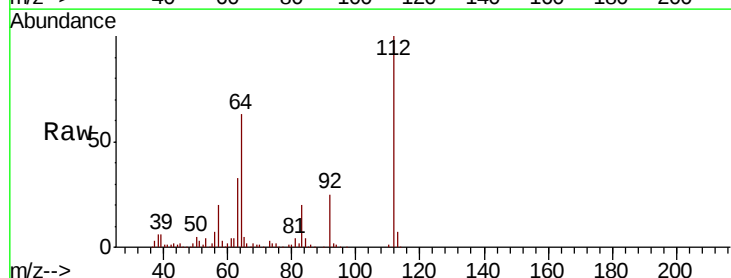
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



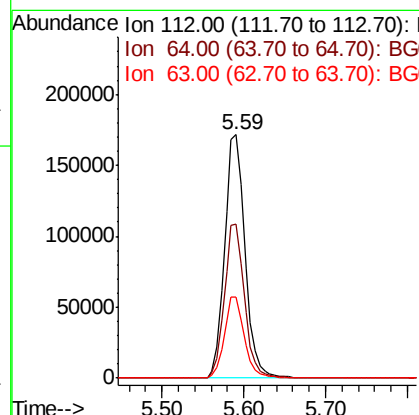
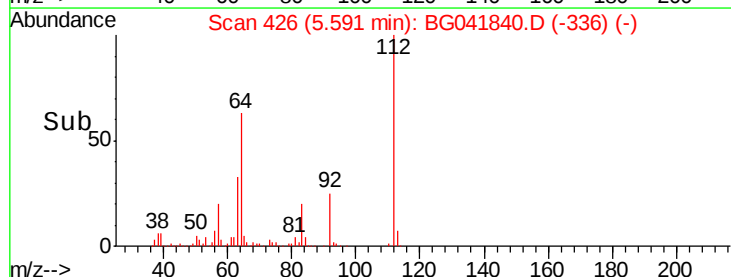
#5

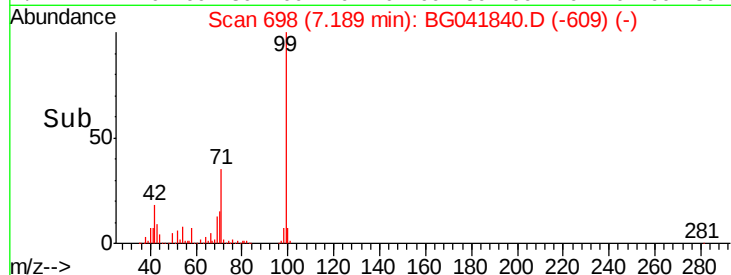
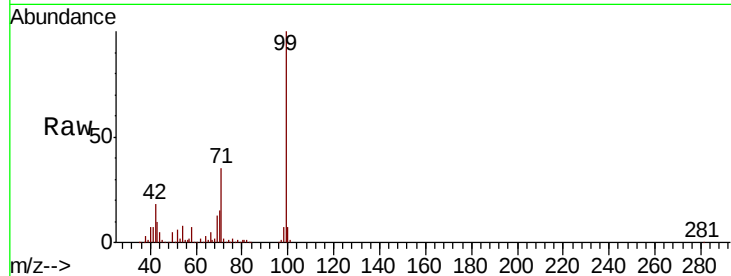
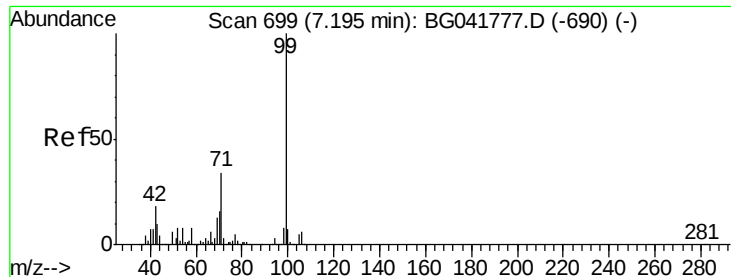
2-Fluorophenol
Concen: 145.234 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG041840.D
Acq: 31 Jul 2019 19:29

Tgt Ion:112 Resp: 298139
Ion Ratio Lower Upper
112 100
64 63.1 55.4 83.2
63 33.5 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: 140.534 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG041840.D

Acq: 31 Jul 2019 19:29

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-A

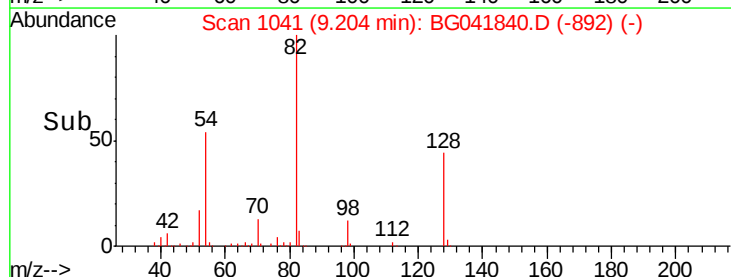
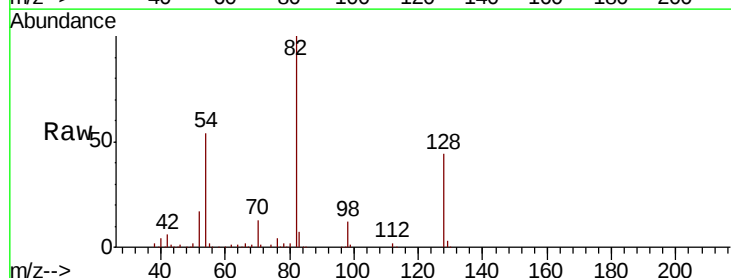
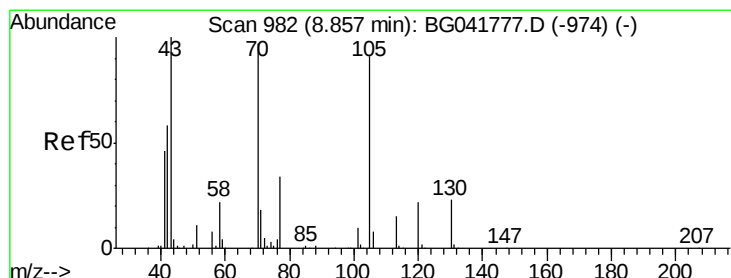
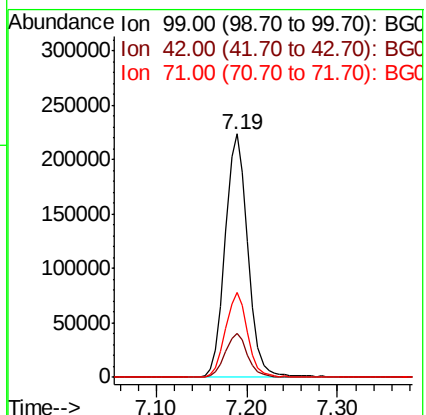
Tgt Ion: 99 Resp: 388931

Ion Ratio Lower Upper

99 100

42 18.2 17.6 26.4

71 34.6 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 18.445 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041840.D

Acq: 31 Jul 2019 19:29

Tgt Ion: 70 Resp: 37061

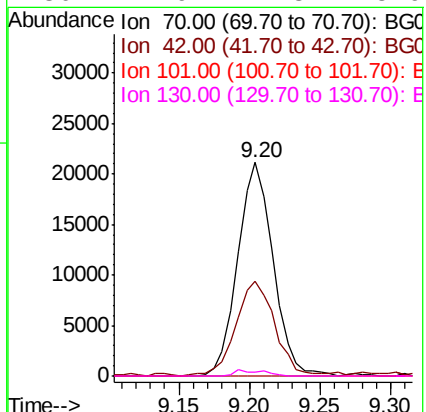
Ion Ratio Lower Upper

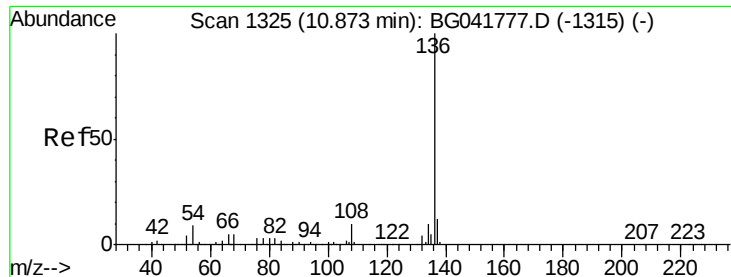
70 100

42 44.6 55.8 83.6#

101 0.0 8.1 12.1#

130 1.9 17.3 25.9#

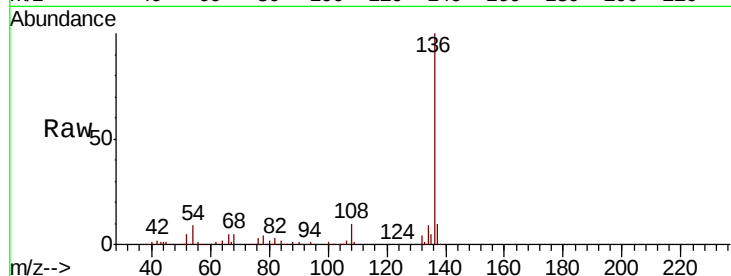




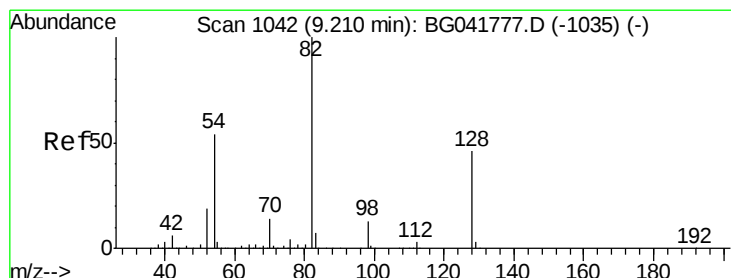
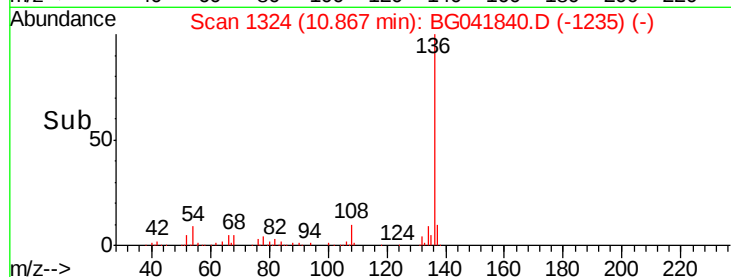
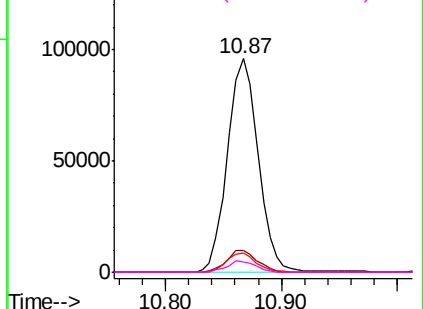
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041840.D
Acq: 31 Jul 2019 19:29

Instrument :
BNA_G
ClientSampleId :
OR-03-072919-A

Tgt Ion:	136	Resp:	178459
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	8.7	8.7	13.1
68	4.9	5.5	8.3#

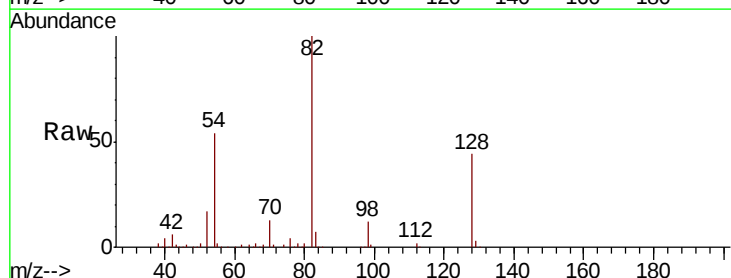


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

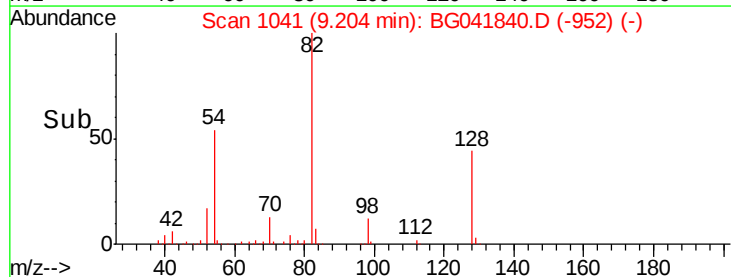
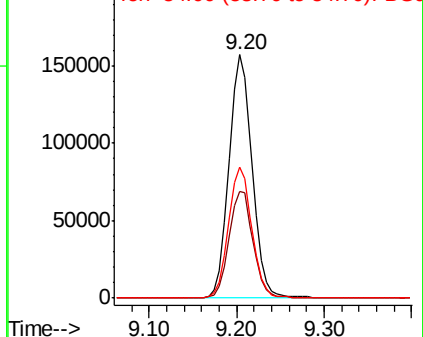


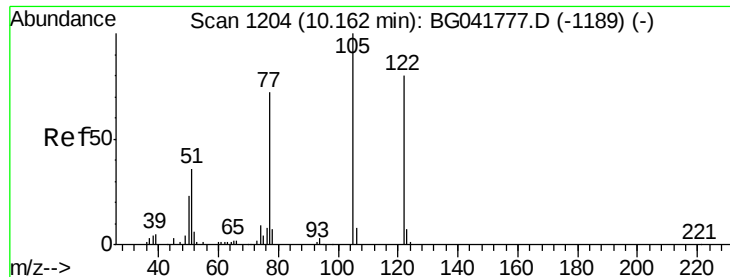
#23
Nitrobenzene-d5
Concen: 109.466 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041840.D
Acq: 31 Jul 2019 19:29

Tgt Ion:	82	Resp:	283875
Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.1	52.7
54	53.6	48.7	73.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 8.757 ng

RT: 10.47 min Scan# 1256

Delta R.T. 0.31 min

Lab File: BG041840.D

Acq: 31 Jul 2019 19:29

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-A

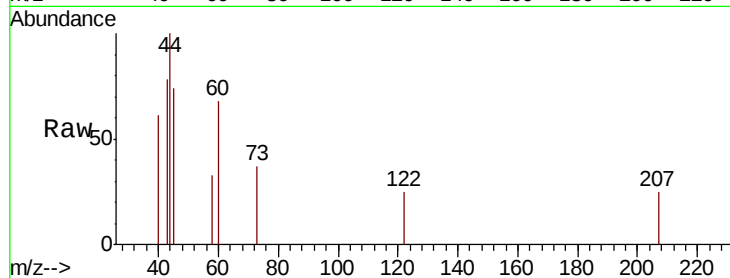
Tgt Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 101.5 141.5#

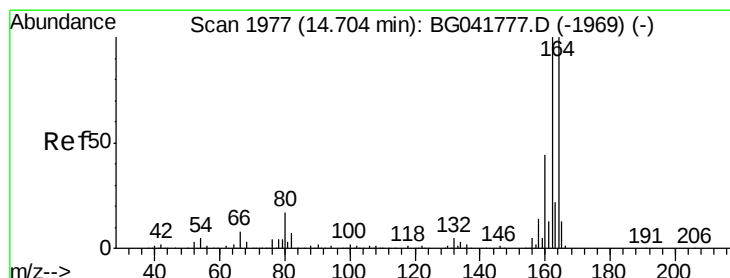
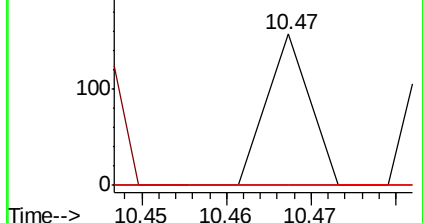
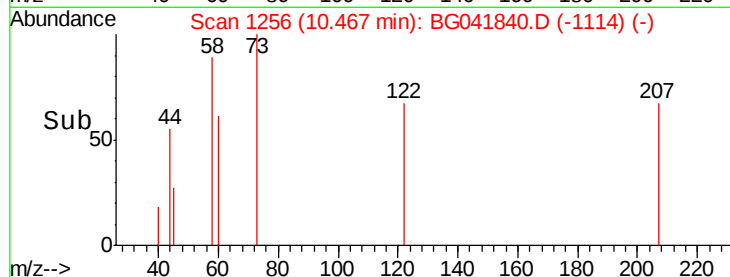
77 0.0 73.0 113.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG041840.D

Acq: 31 Jul 2019 19:29

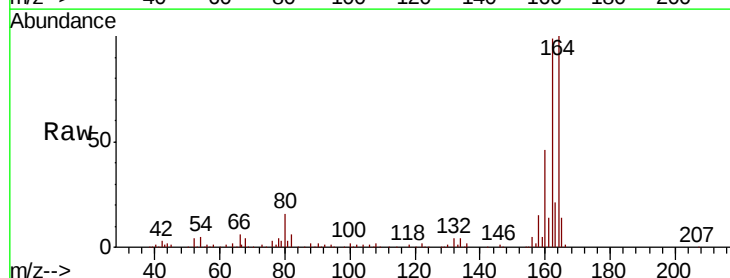
Tgt Ion:164 Resp: 158773

Ion Ratio Lower Upper

164 100

162 98.5 79.6 119.4

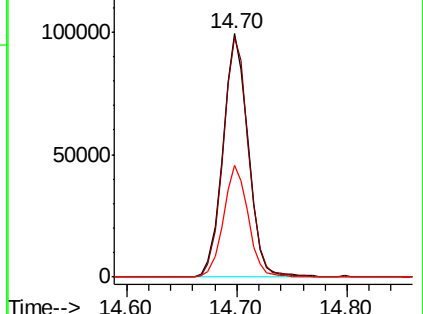
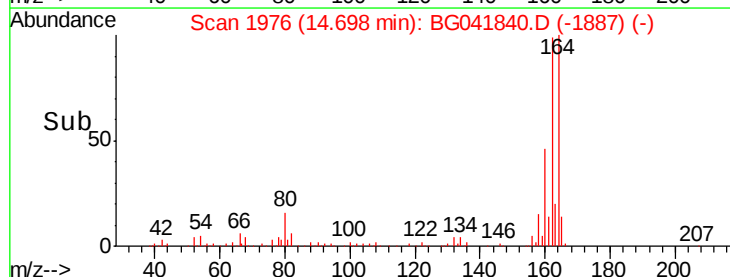
160 45.8 35.4 53.0

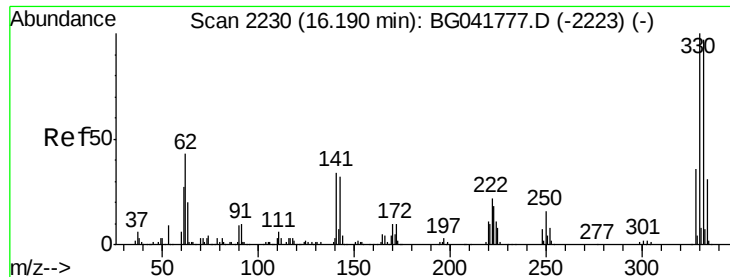


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

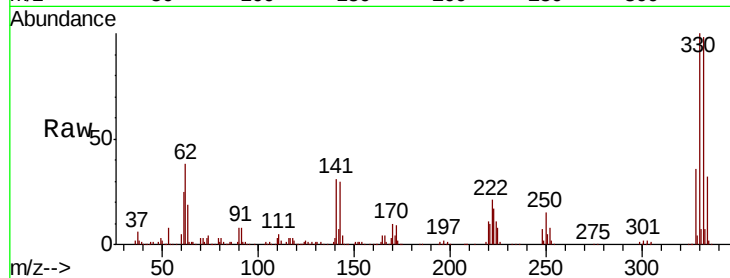




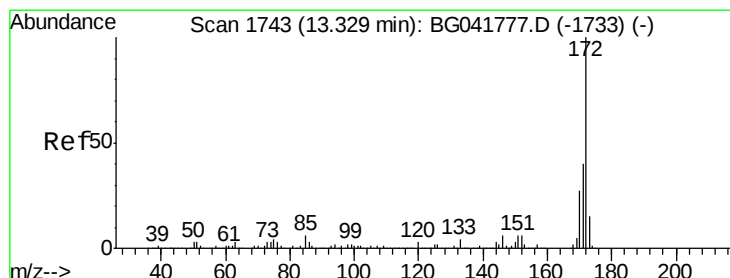
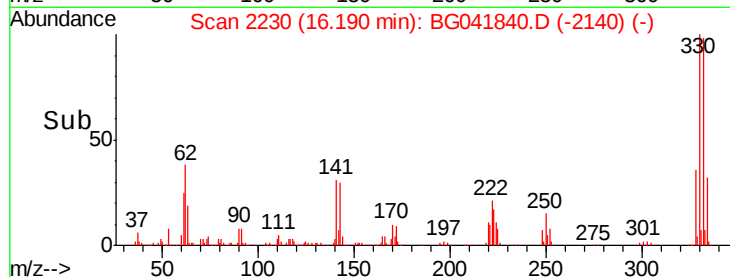
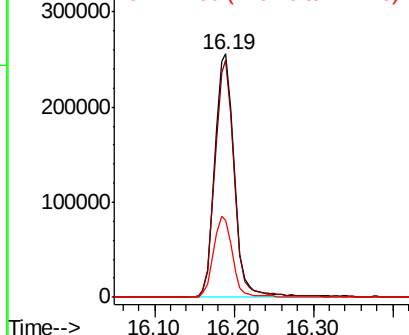
#42
 2,4,6-Tribromophenol
 Concen: 242.397 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG041840.D
 Acq: 31 Jul 2019 19:29

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-A

Tgt Ion:330 Resp: 437149
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.4 116.0
 141 32.5 31.9 47.9

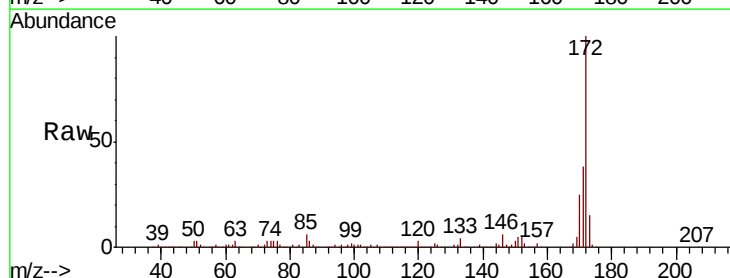


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

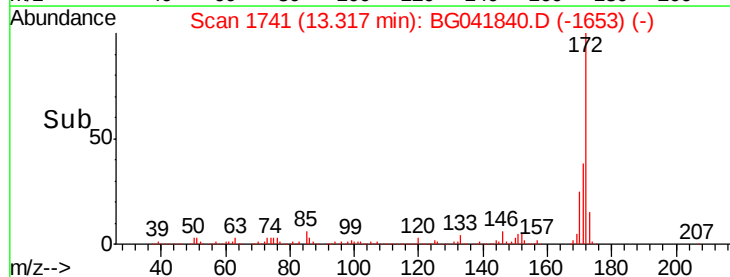
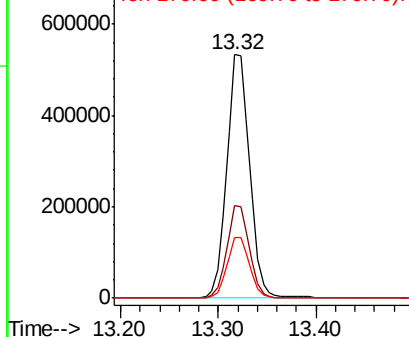


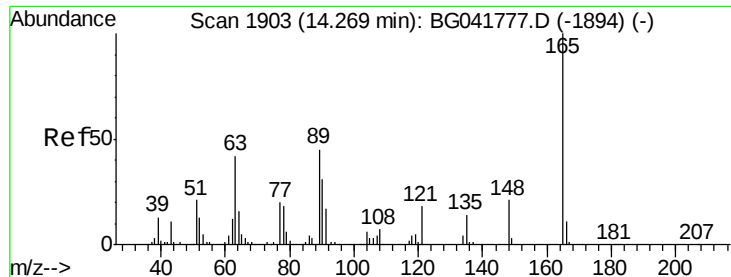
#45
 2-Fluorobiphenyl
 Concen: 96.294 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG041840.D
 Acq: 31 Jul 2019 19:29

Tgt Ion:172 Resp: 866851
 Ion Ratio Lower Upper
 172 100
 171 37.9 35.0 52.4
 170 25.0 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





#51

2,6-Dinitrotoluene

Concen: 8.867 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.43 min

Lab File: BG041840.D

Acq: 31 Jul 2019 19:29

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-A

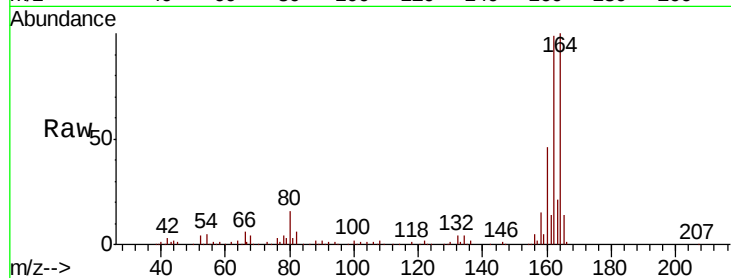
Tgt Ion:165 Resp: 20105

Ion Ratio Lower Upper

165 100

63 0.0 42.4 63.6#

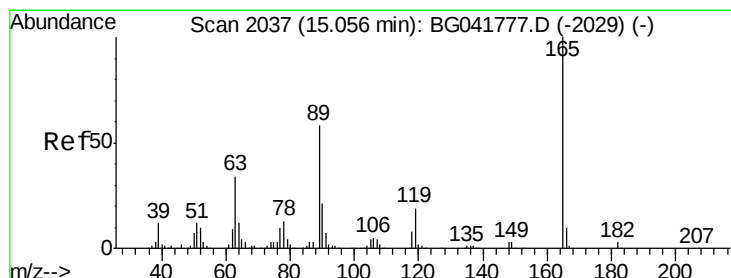
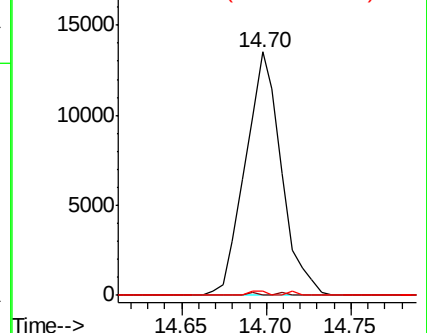
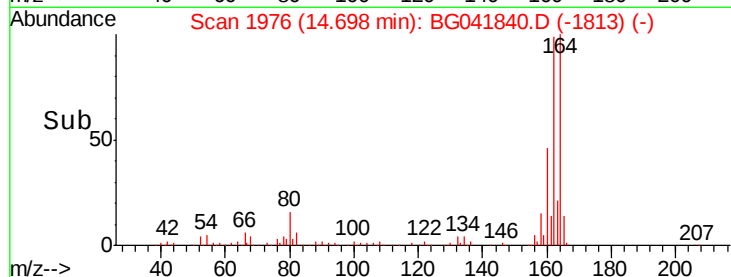
89 1.9 42.1 63.1#



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: 6.448 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.36 min

Lab File: BG041840.D

Acq: 31 Jul 2019 19:29

Tgt Ion:165 Resp: 20105

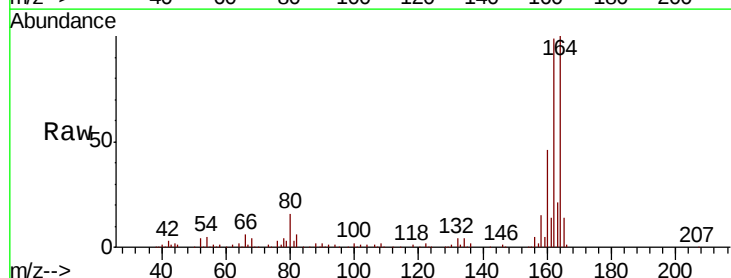
Ion Ratio Lower Upper

165 100

63 0.0 31.7 47.5#

89 1.9 50.2 75.4#

182 0.0 2.6 4.0#

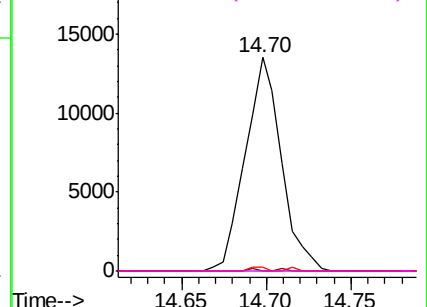
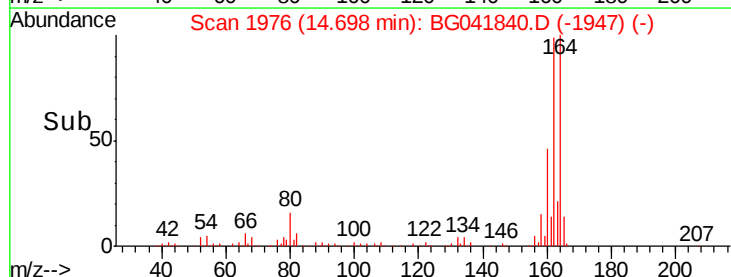


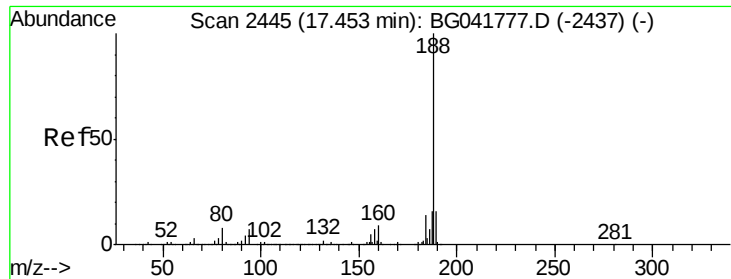
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG041840.D

Acq: 31 Jul 2019 19:29

Instrument :

BNA_G

ClientSampleId :

OR-03-072919-A

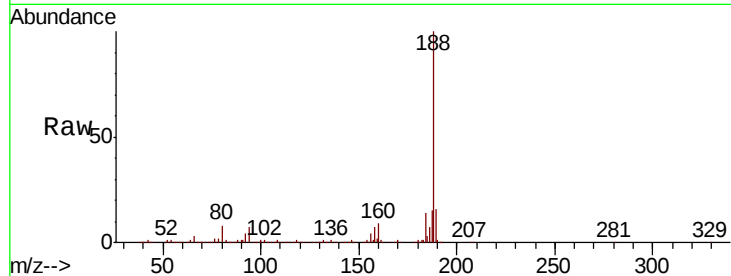
Tgt Ion:188 Resp: 570625

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

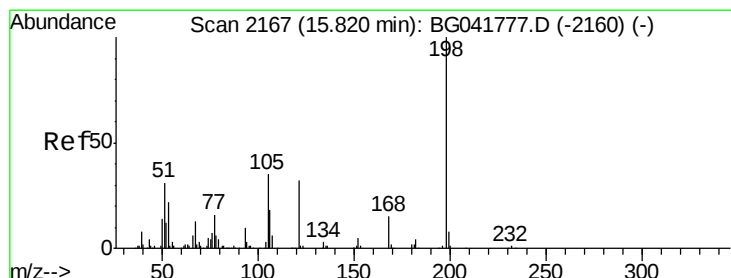
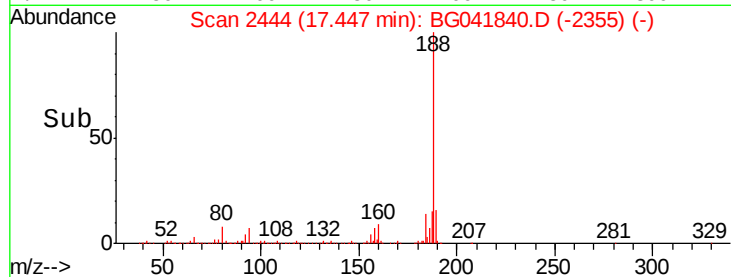
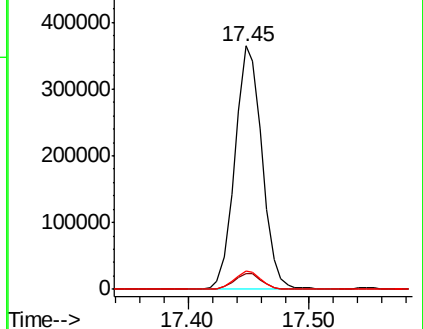
80 7.6 8.0 12.0#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.230 ng

RT: 16.18 min Scan# 2229

Delta R.T. 0.37 min

Lab File: BG041840.D

Acq: 31 Jul 2019 19:29

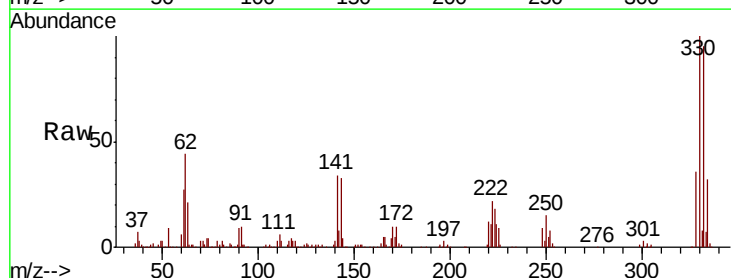
Tgt Ion:198 Resp: 1232

Ion Ratio Lower Upper

198 100

51 123.8 22.3 62.3#

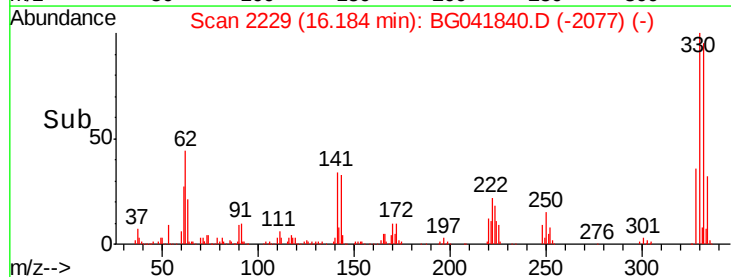
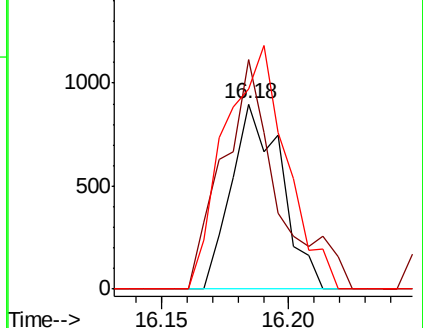
105 108.1 18.0 58.0#

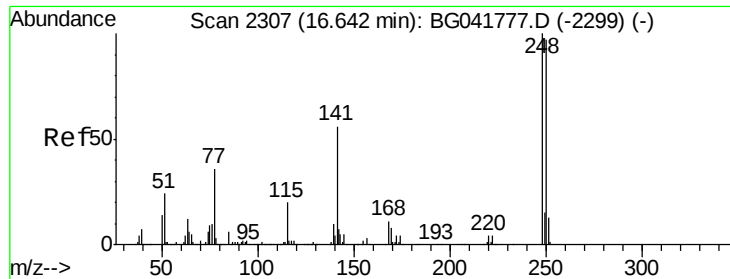


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

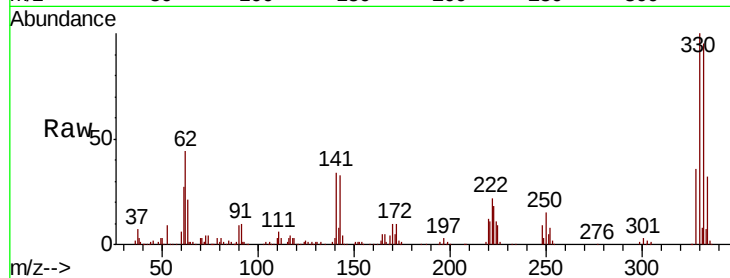




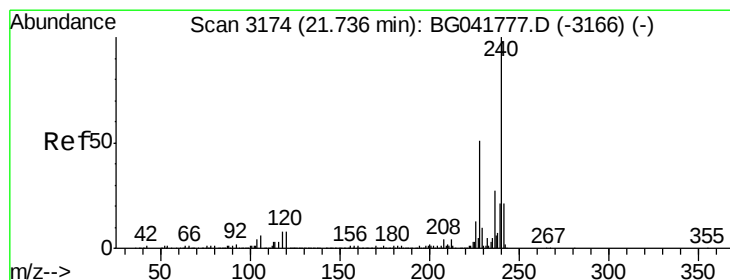
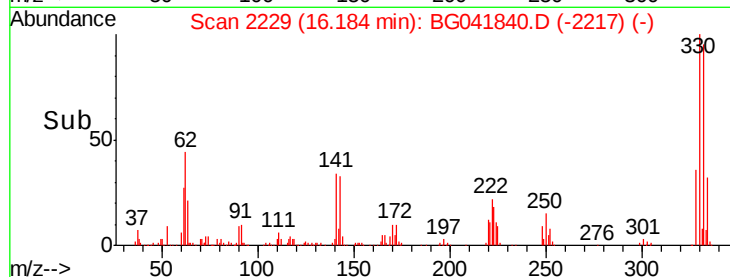
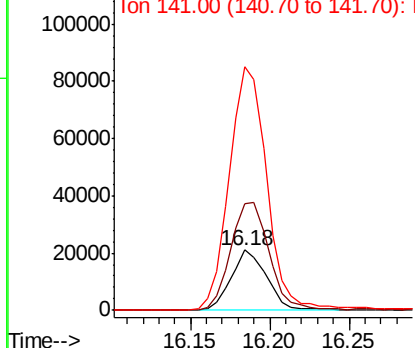
#67
 4-Bromophenyl-phenylether
 Concen: 4.636 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.46 min
 Lab File: BG041840.D
 Acq: 31 Jul 2019 19:29

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072919-A

Tgt Ion:248 Resp: 32583
 Ion Ratio Lower Upper
 248 100
 250 177.1 78.1 117.1#
 141 403.8 49.6 74.4#

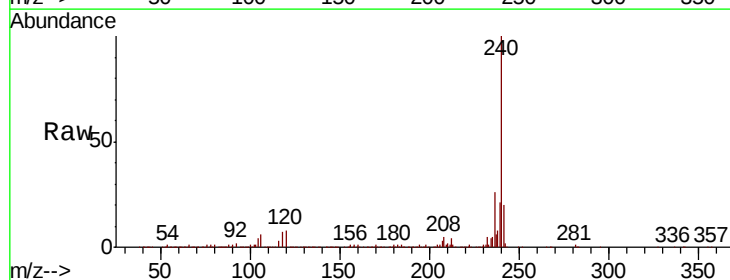


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

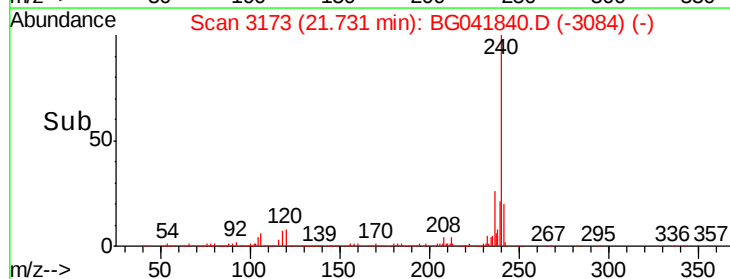
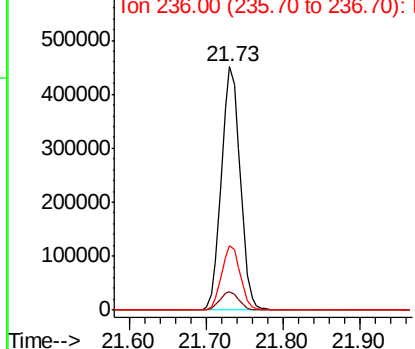


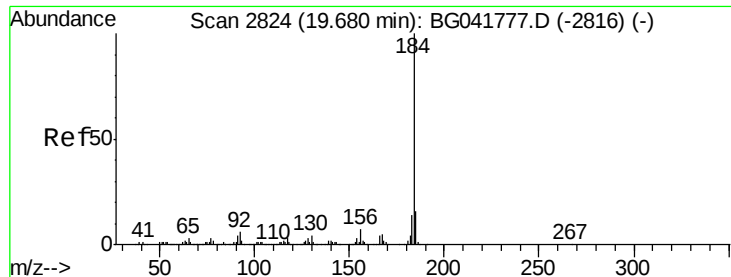
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG041840.D
 Acq: 31 Jul 2019 19:29

Tgt Ion:240 Resp: 764295
 Ion Ratio Lower Upper
 240 100
 120 7.7 8.0 12.0#
 236 26.4 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

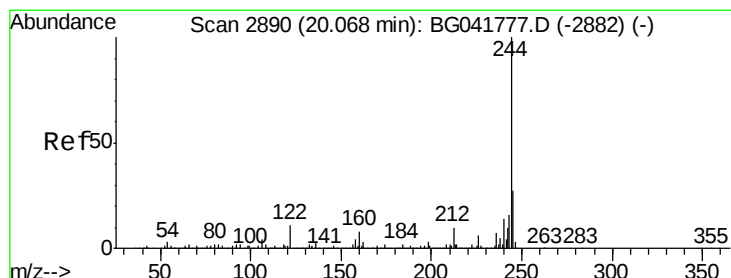
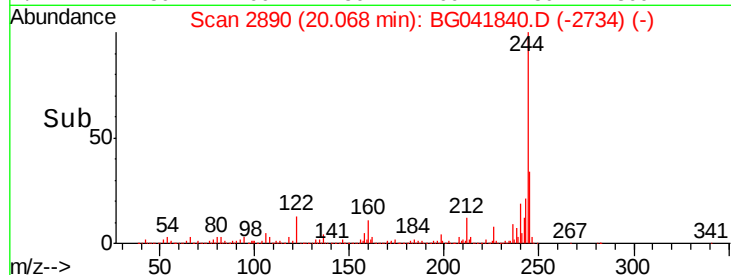
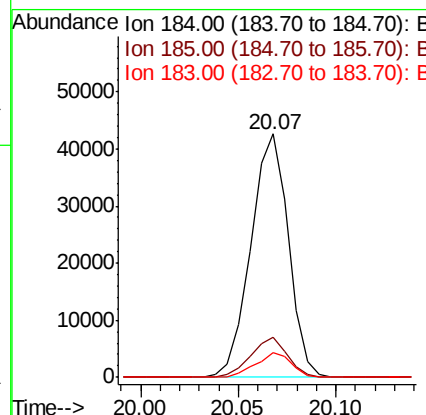
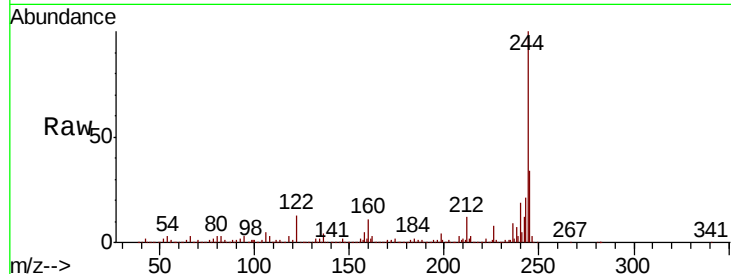




#77
Benzidine
Concen: 2.261 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.39 min
Lab File: BG041840.D
Acq: 31 Jul 2019 19:29

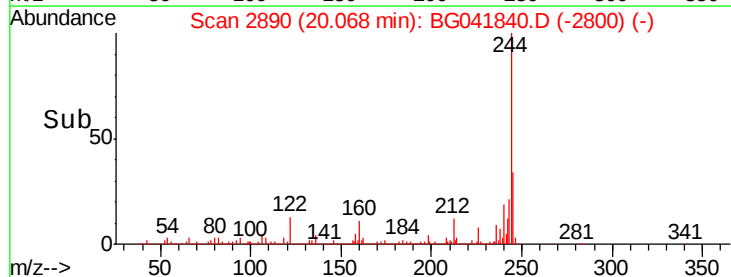
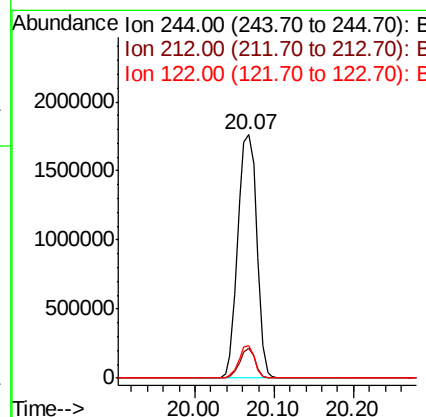
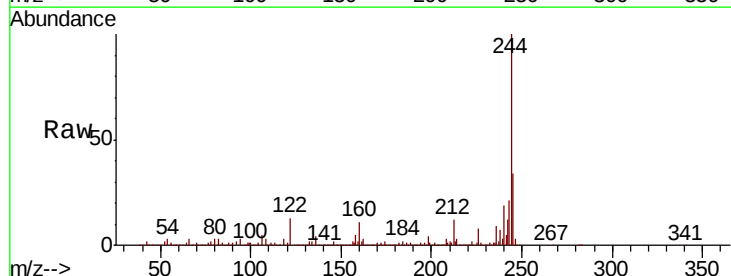
Instrument :
BNA_G
ClientSampleId :
OR-03-072919-A

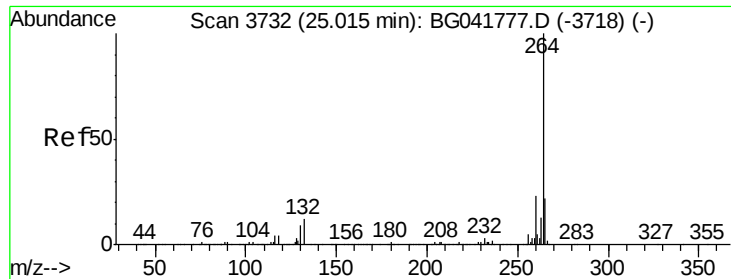
Tgt Ion:184 Resp: 56405
Ion Ratio Lower Upper
184 100
185 16.5 13.0 19.4
183 9.9 11.8 17.6#



#79
Terphenyl-d14
Concen: 87.839 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.00 min
Lab File: BG041840.D
Acq: 31 Jul 2019 19:29

Tgt Ion:244 Resp: 2933883
Ion Ratio Lower Upper
244 100
212 12.4 9.7 14.5
122 13.3 12.5 18.7





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3731
Delta R.T. -0.01 min
Lab File: BG041840.D
Acq: 31 Jul 2019 19:29

Instrument :
BNA_G
ClientSampleId :
OR-03-072919-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.0	18.0	27.0

