

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041103.D
 Acq On : 7 Jun 2019 16:02
 Operator : HP/JU
 Sample : K3203-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AOC50MW002-190604

Quant Time: Jun 08 06:58:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

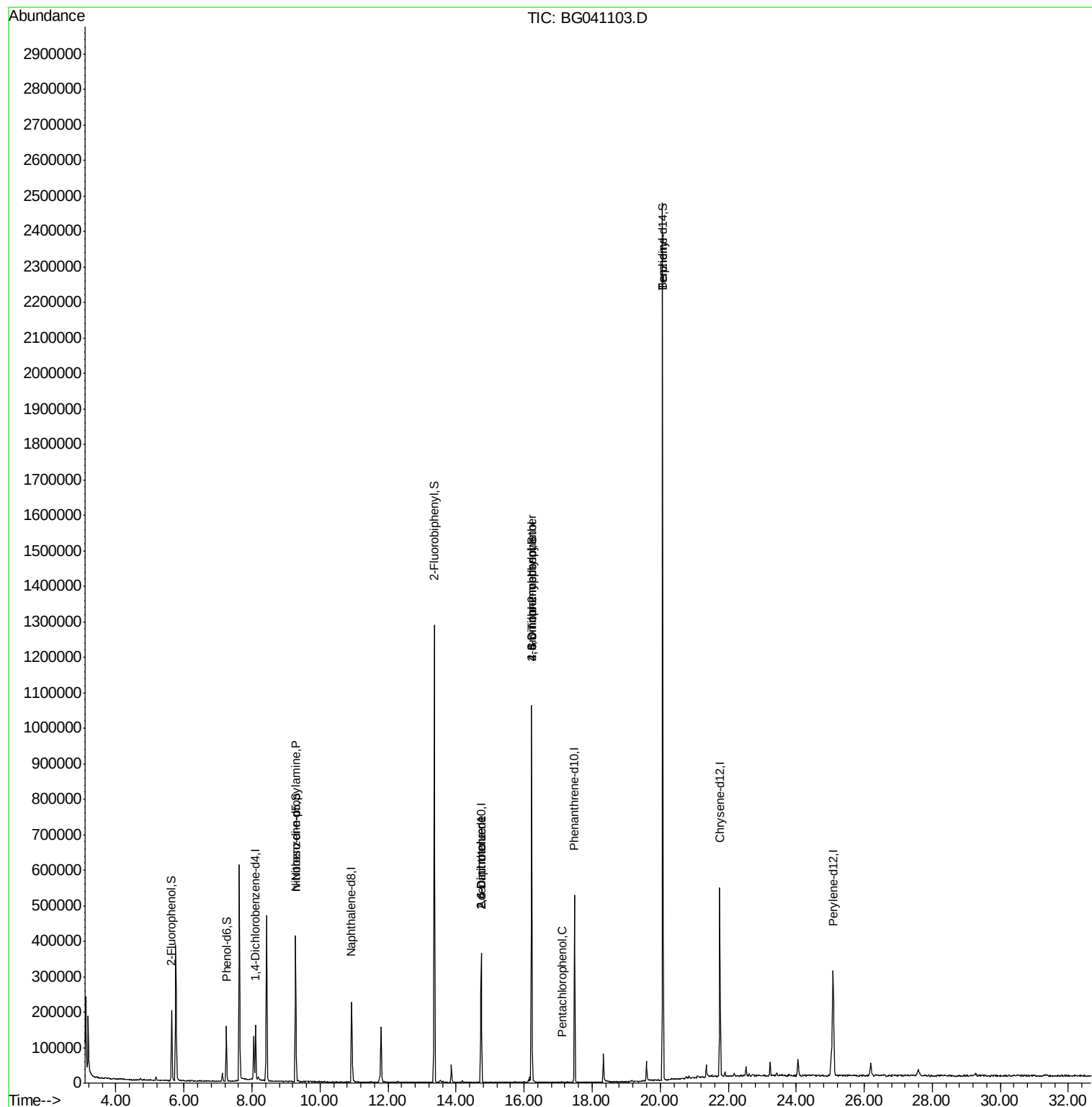
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	37686	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	154951	20.00	ng	-0.03
39) Acenaphthene-d10	14.73	164	125832	20.00	ng	-0.03
64) Phenanthrene-d10	17.48	188	334217	20.00	ng	-0.03
76) Chrysene-d12	21.75	240	327513	20.00	ng	-0.03
87) Perylene-d12	25.08	264	341012	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	81076	38.79	ng	-0.02
7) Phenol-d6	7.25	99	82077	25.43	ng	-0.02
23) Nitrobenzene-d5	9.29	82	255770	73.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	198132	106.06	ng	-0.03
45) 2-Fluorobiphenyl	13.36	172	658275	75.34	ng	-0.03
79) Terphenyl-d14	20.07	244	1186128	76.86	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	35364	14.237	ng	# 78
51) 2,6-Dinitrotoluene	14.74	165	16098	7.009	ng	# 20
57) 2,4-Dinitrotoluene	14.74	165	16098	4.962	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.23	198	674	8.899	ng	# 86
67) 4-Bromophenyl-phenylether	16.22	248	14620	3.241	ng	# 1
70) Pentachlorophenol	17.11	266	55	4.276	ng	# 7
77) Benzidine	20.07	184	19147	2.451	ng	# 94

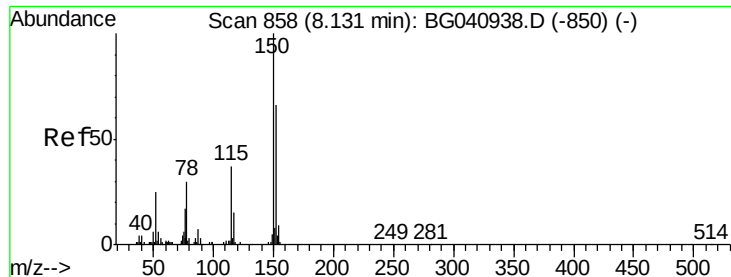
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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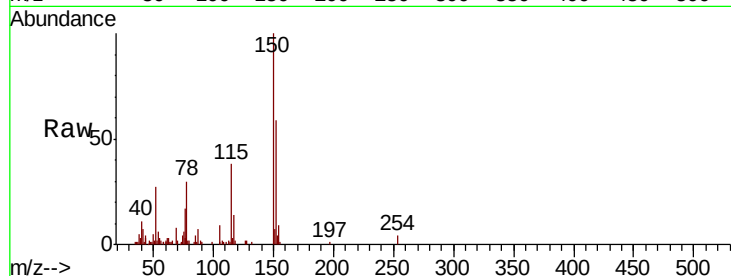


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 854
 Delta R.T. -0.03 min
 Lab File: BG041103.D
 Acq: 7 Jun 2019 16:02

Instrument :
 BNA_G
 ClientSampleId :
 AOC50MW002-190604

Tgt Ion	Ratio	Lower	Upper
152	100		
150	169.6	120.6	180.8
115	63.9	45.1	67.7

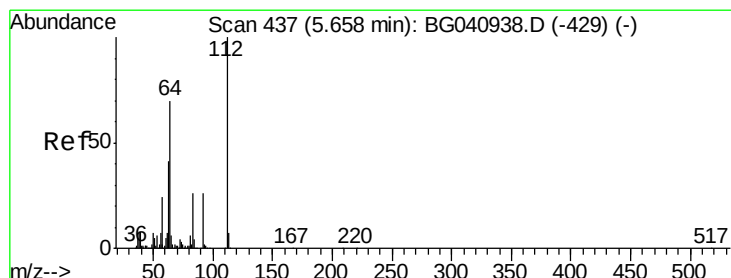
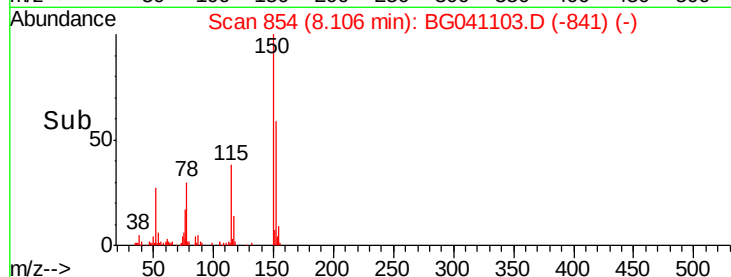
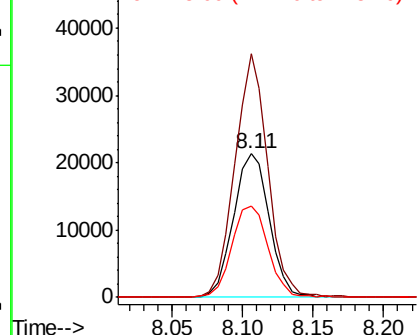


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

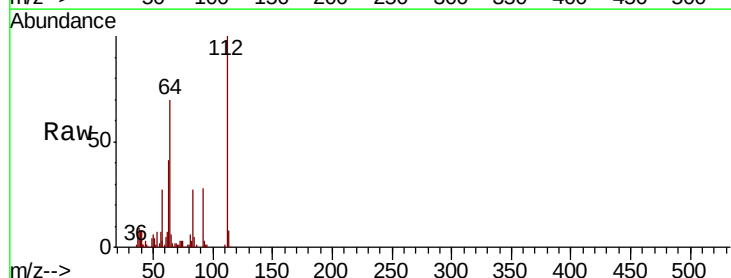
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 38.793 ng
 RT: 5.64 min Scan# 434
 Delta R.T. -0.02 min
 Lab File: BG041103.D
 Acq: 7 Jun 2019 16:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	56.2	84.2
63	40.8	32.8	49.2

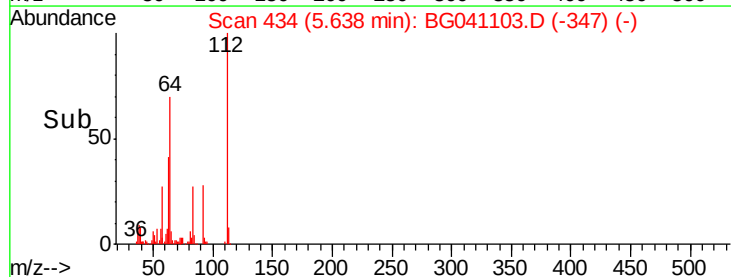
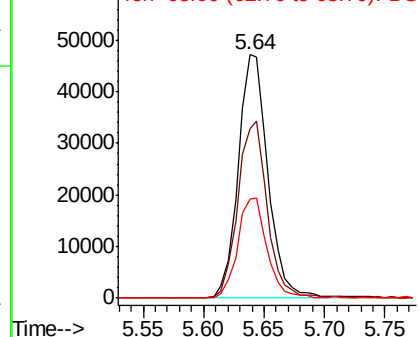


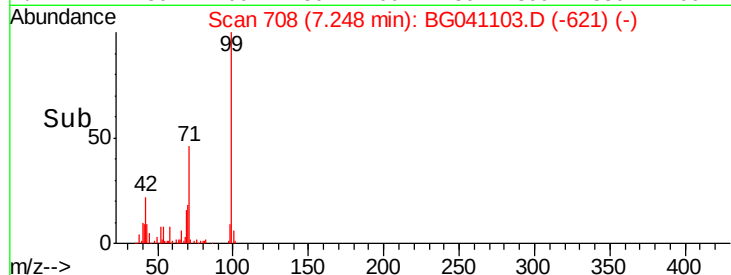
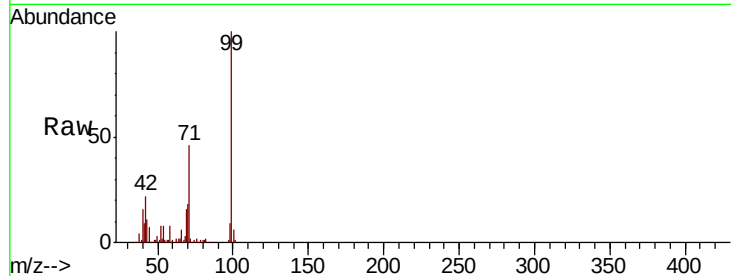
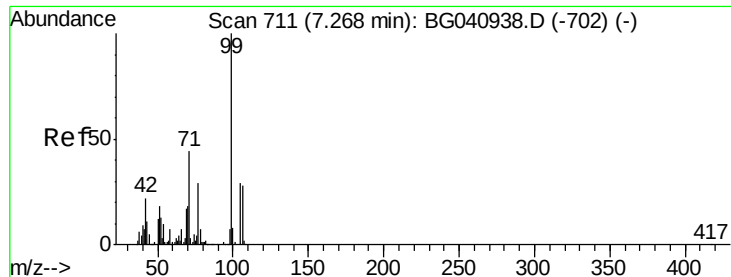
Abundance

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: 25.429 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

Instrument :

BNA_G

ClientSampleId :

AOC50MW002-190604

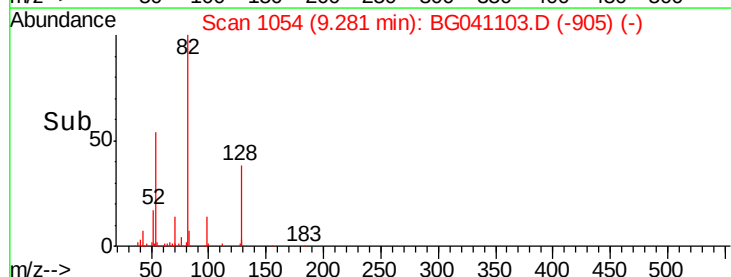
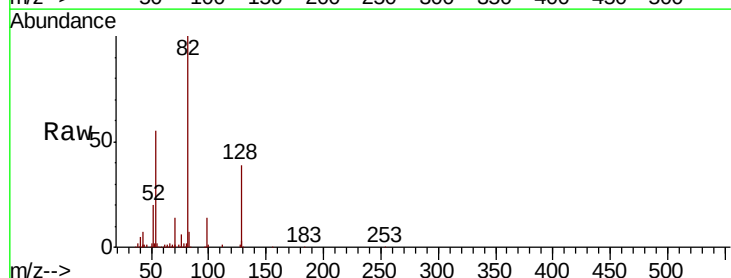
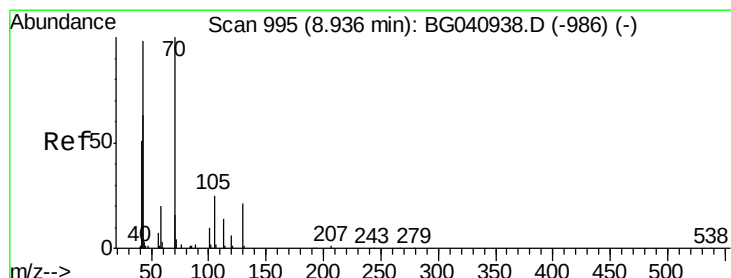
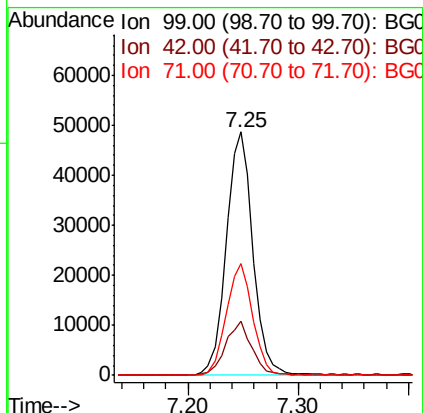
Tgt Ion: 99 Resp: 82077

Ion Ratio Lower Upper

99 100

42 22.3 17.9 26.9

71 45.8 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.237 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.34 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

Tgt Ion: 70 Resp: 35364

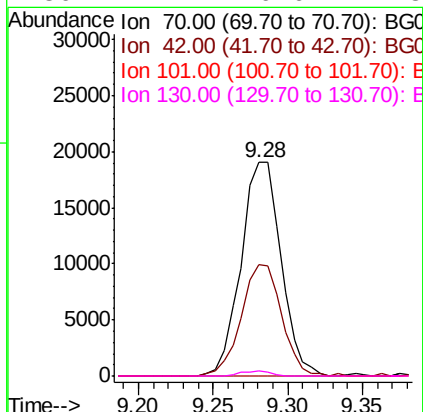
Ion Ratio Lower Upper

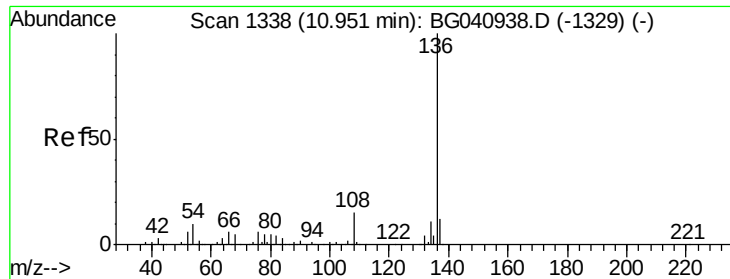
70 100

42 52.0 51.5 77.3

101 0.0 8.1 12.1#

130 2.2 16.6 24.8#

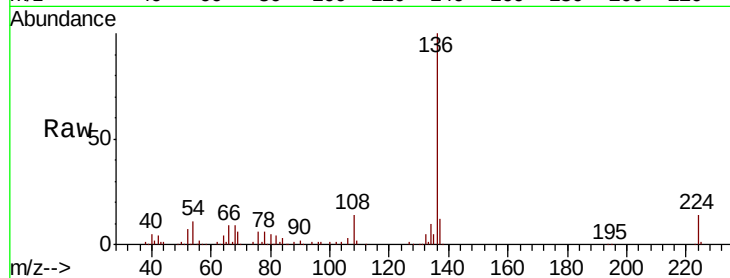




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.03 min
Lab File: BG041103.D
Acq: 7 Jun 2019 16:02

Instrument :
BNA_G
ClientSampleId :
AOC50MW002-190604

Tgt Ion:	136	Resp:	154951
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	11.2	7.6	11.4
68	8.6	3.9	5.9#



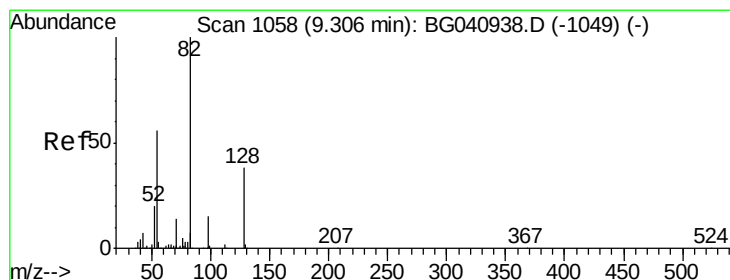
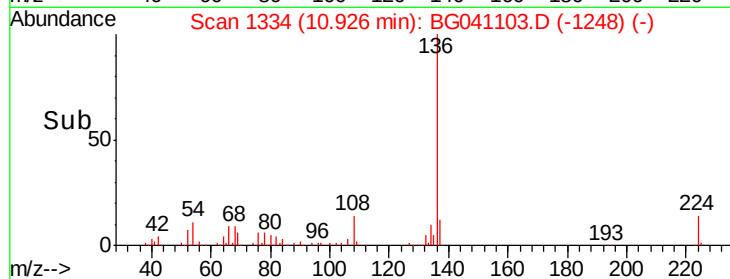
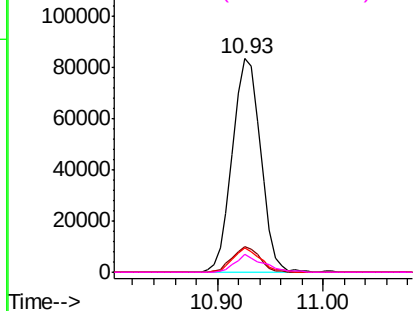
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

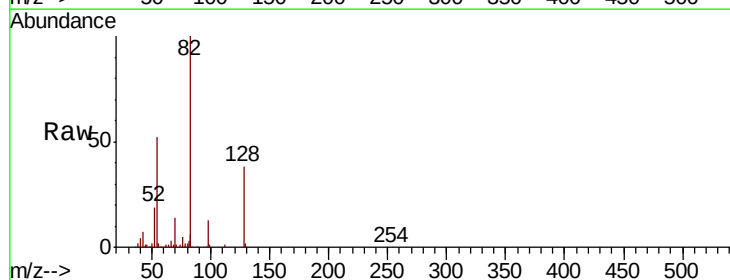
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 73.278 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BG041103.D
Acq: 7 Jun 2019 16:02

Tgt Ion:	82	Resp:	255770
Ion	Ratio	Lower	Upper
82	100		
128	37.7	30.5	45.7
54	52.2	44.6	66.8

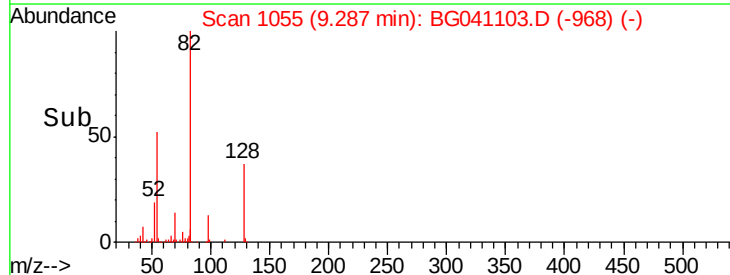
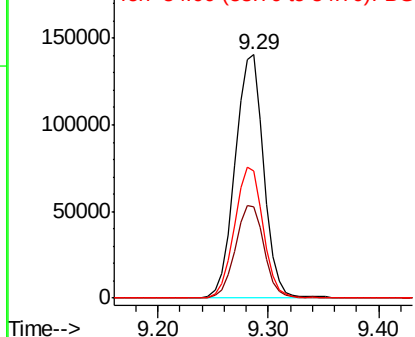


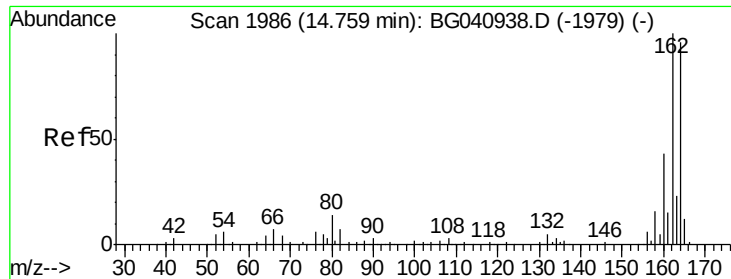
Abundance

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

Instrument :

BNA_G

ClientSampleId :

AOC50MW002-190604

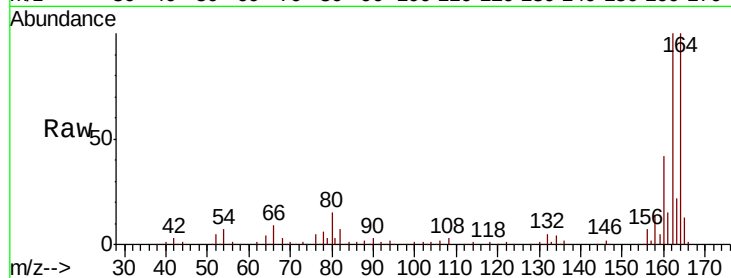
Tgt Ion:164 Resp: 125832

Ion Ratio Lower Upper

164 100

162 100.5 83.0 124.4

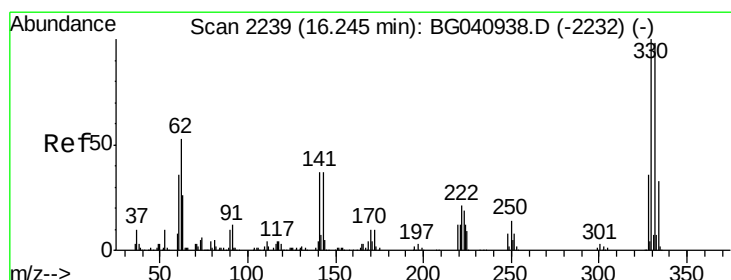
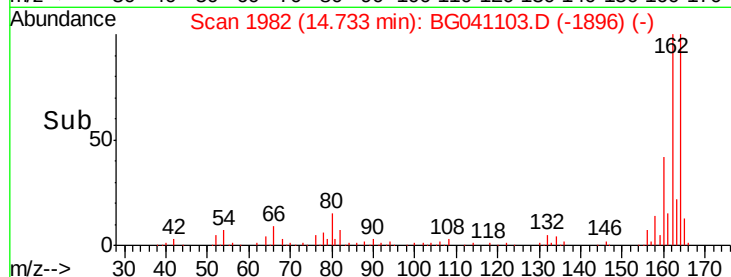
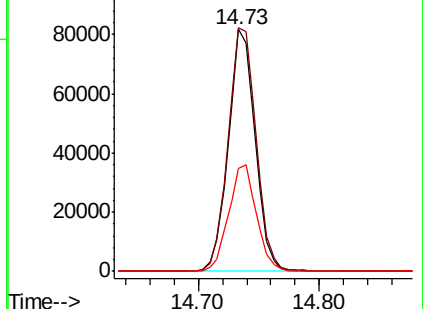
160 42.5 35.6 53.4



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: 106.063 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

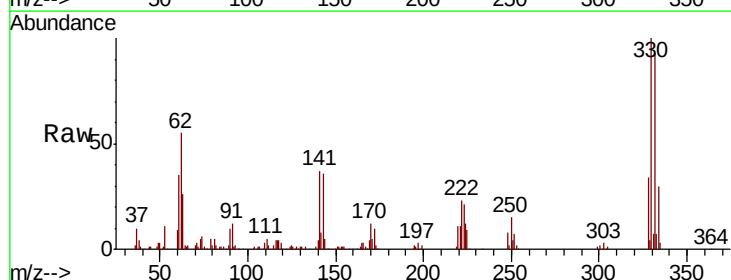
Tgt Ion:330 Resp: 198132

Ion Ratio Lower Upper

330 100

332 95.5 78.5 117.7

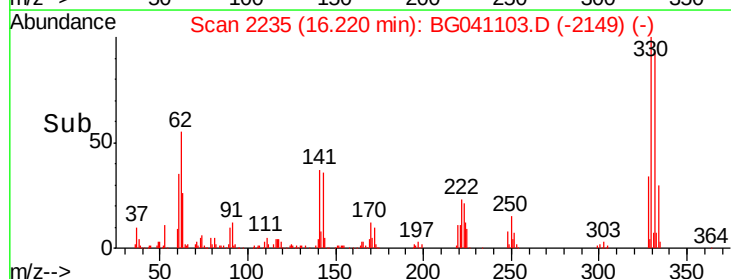
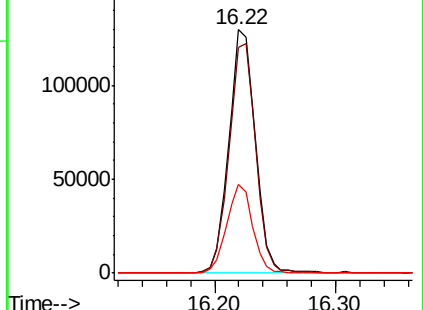
141 35.5 28.7 43.1

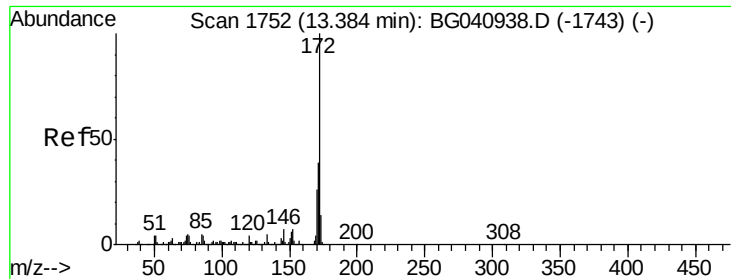


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

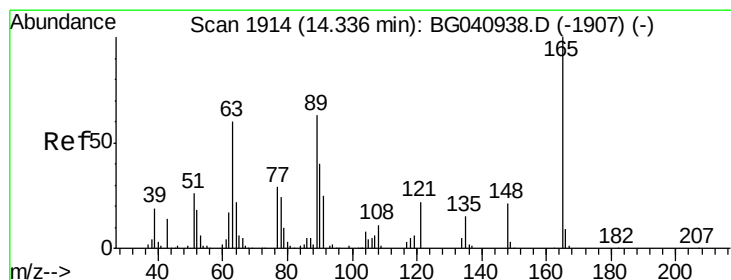
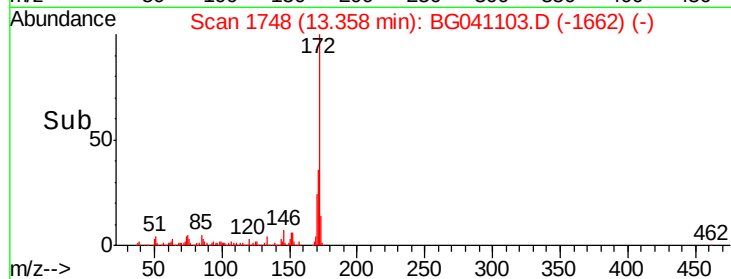
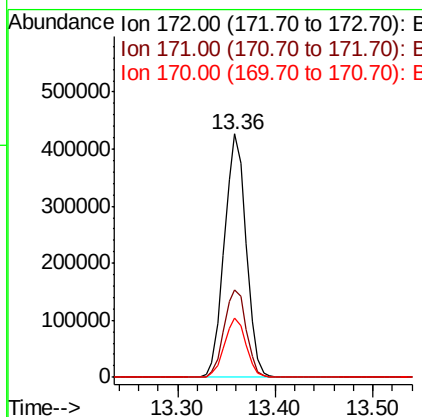
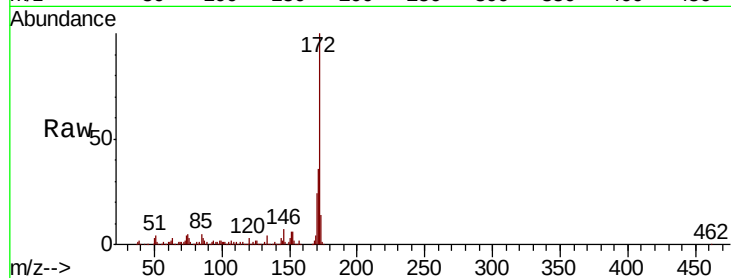




#45
2-Fluorobiphenyl
Concen: 75.337 ng
RT: 13.36 min Scan# 1748
Delta R.T. -0.03 min
Lab File: BG041103.D
Acq: 7 Jun 2019 16:02

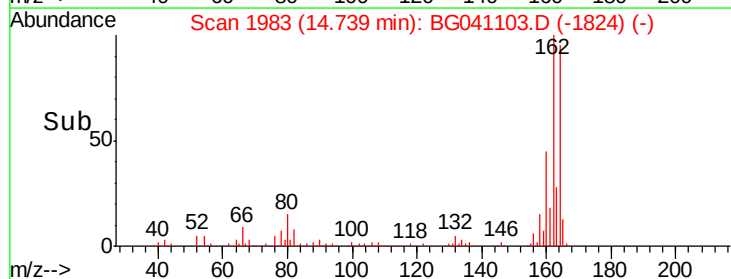
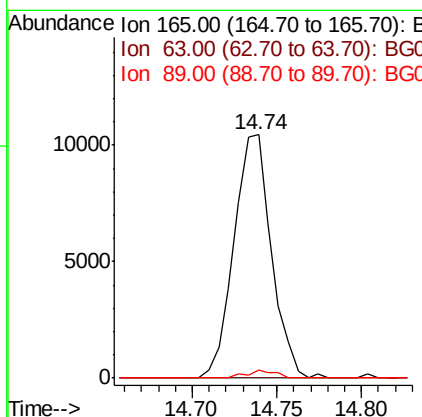
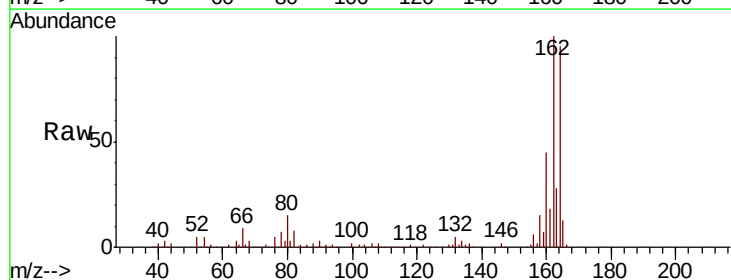
Instrument :
BNA_G
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AOC50MW002-190604

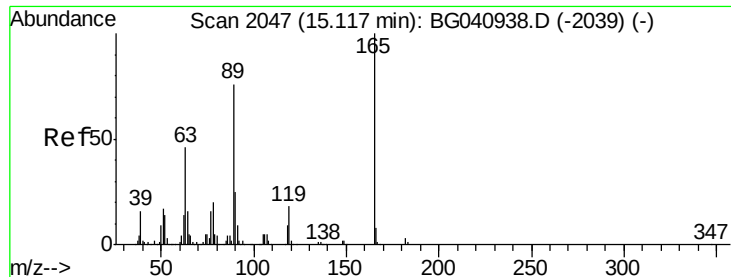
Tgt Ion:172 Resp: 658275
Ion Ratio Lower Upper
172 100
171 36.0 31.1 46.7
170 24.4 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.009 ng
RT: 14.74 min Scan# 1983
Delta R.T. 0.40 min
Lab File: BG041103.D
Acq: 7 Jun 2019 16:02

Tgt Ion:165 Resp: 16098
Ion Ratio Lower Upper
165 100
63 0.0 53.6 80.4#
89 3.5 50.4 75.6#





#57

2,4-Dinitrotoluene

Concen: 4.962 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.38 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

Instrument :

BNA_G

ClientSampleId :

AOC50MW002-190604

Tgt Ion:165 Resp: 16098

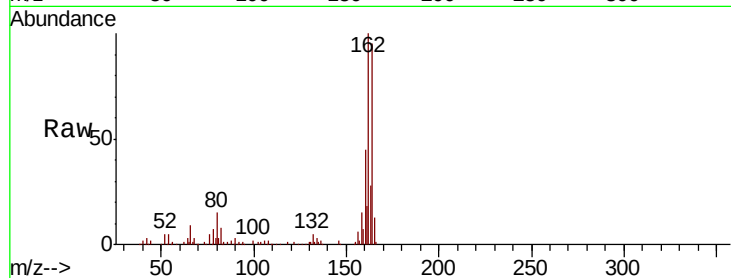
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 3.5 61.0 91.6#

182 0.0 2.2 3.2#



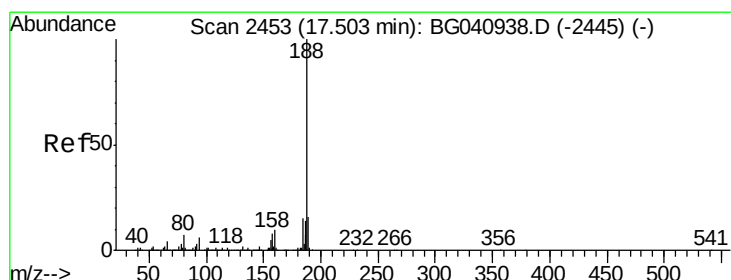
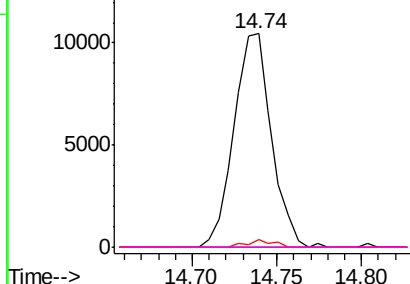
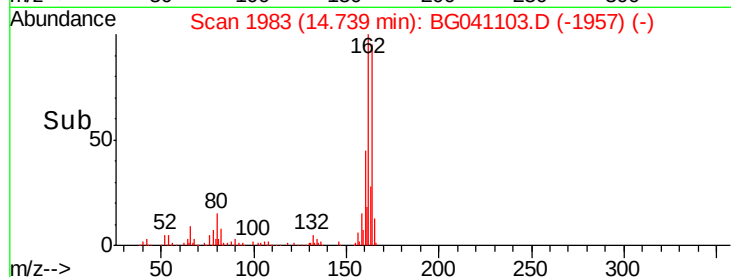
Abundance

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: 17.48 min Scan# 2449

Delta R.T. -0.03 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

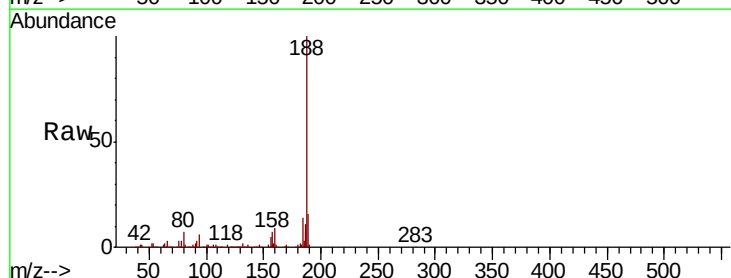
Tgt Ion:188 Resp: 334217

Ion Ratio Lower Upper

188 100

94 6.1 4.7 7.1

80 6.9 5.8 8.8

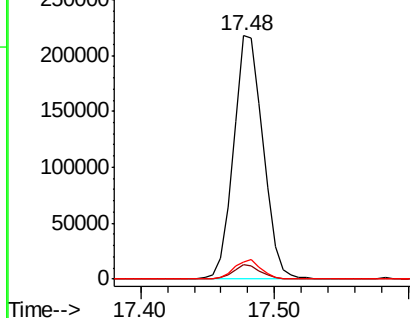
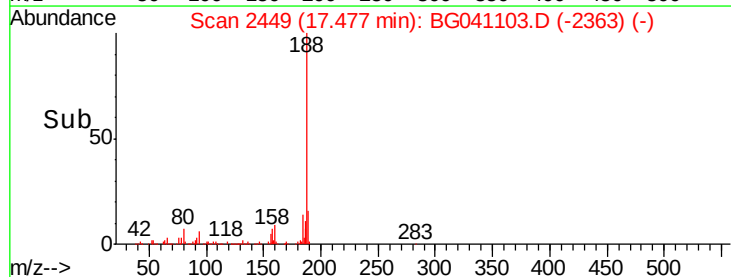


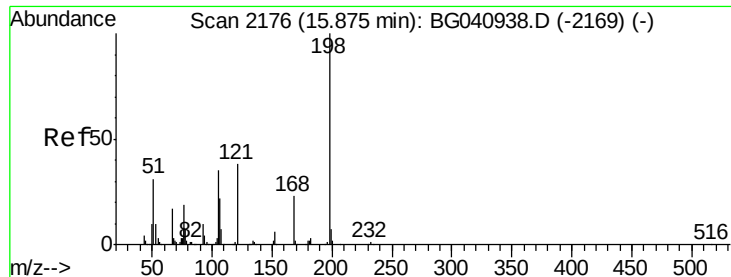
Abundance

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: 8.899 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.35 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

Instrument :

BNA_G

ClientSampleId :

AOC50MW002-190604

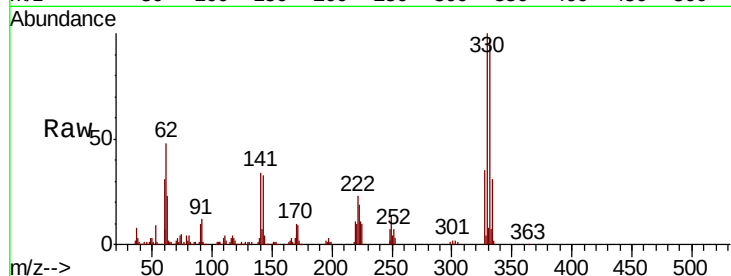
Tgt Ion:198 Resp: 674

Ion Ratio Lower Upper

198 100

51 32.9 21.6 61.6

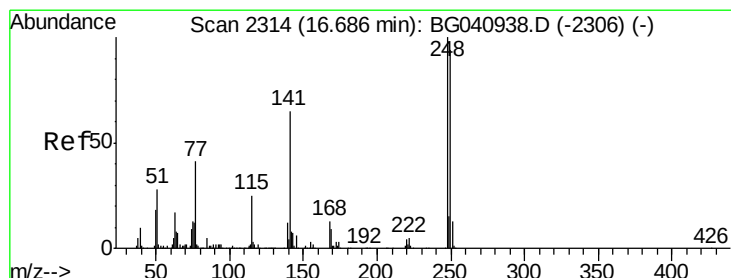
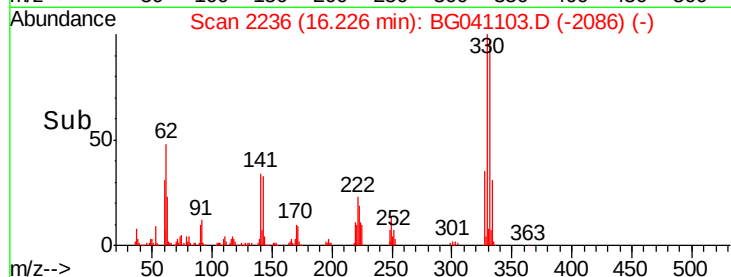
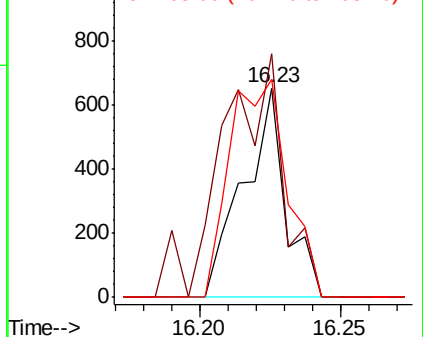
105 29.5 17.5 57.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.241 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.47 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

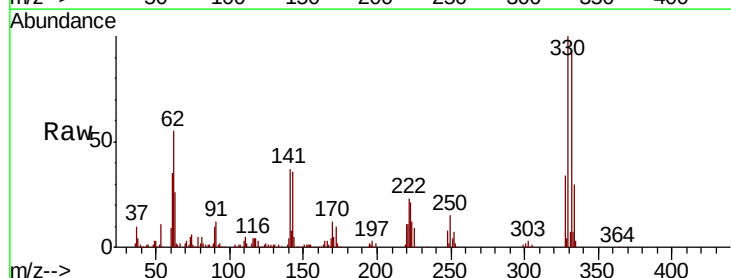
Tgt Ion:248 Resp: 14620

Ion Ratio Lower Upper

248 100

250 185.1 75.0 112.4#

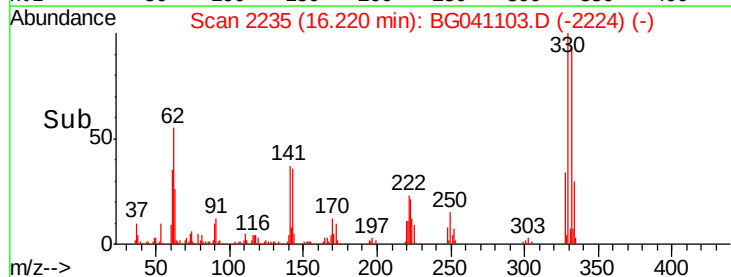
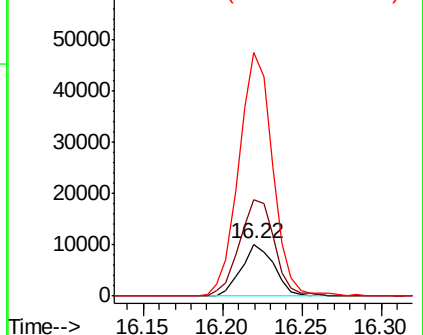
141 466.2 52.4 78.6#

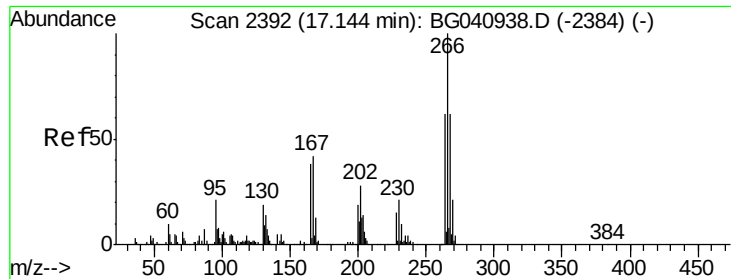


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 4.276 ng

RT: 17.11 min Scan# 2387

Delta R.T. -0.03 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

Instrument :

BNA_G

ClientSampleId :

AOC50MW002-190604

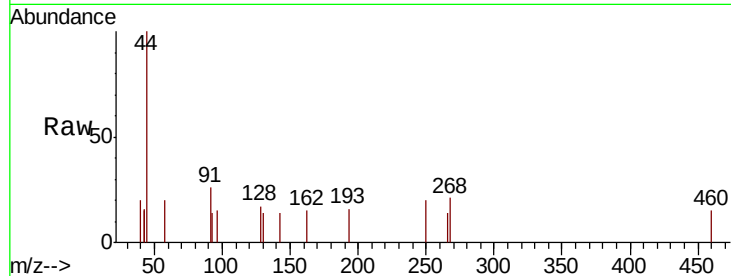
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

268 150.3 53.1 79.7#

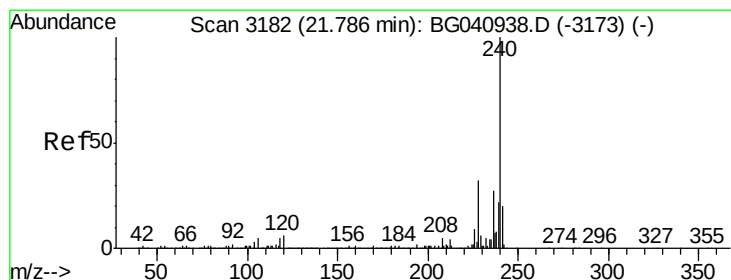
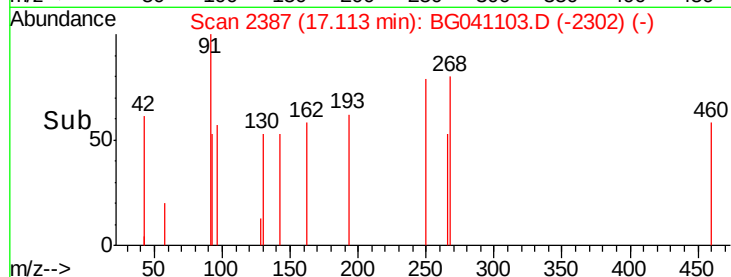
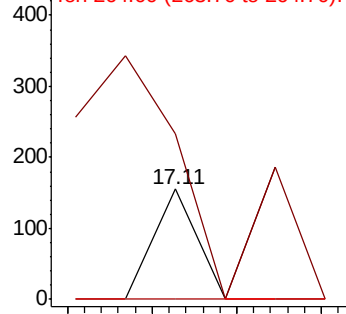
264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.03 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

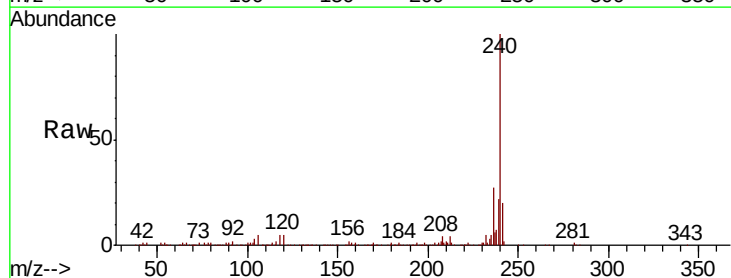
Tgt Ion:240 Resp: 327513

Ion Ratio Lower Upper

240 100

120 4.9 4.5 6.7

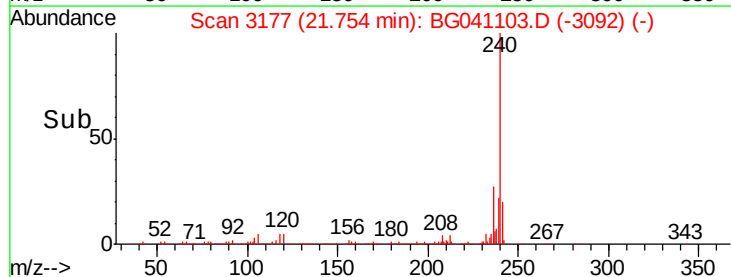
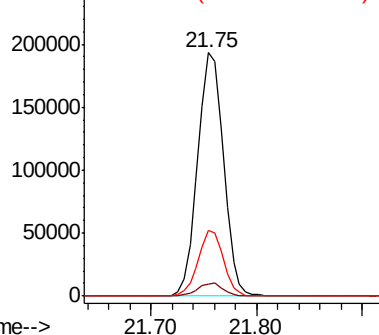
236 27.0 21.3 31.9

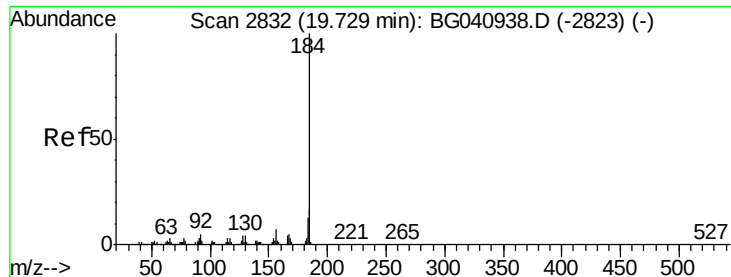


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.451 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.34 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

Instrument :

BNA_G

ClientSampleId :

AOC50MW002-190604

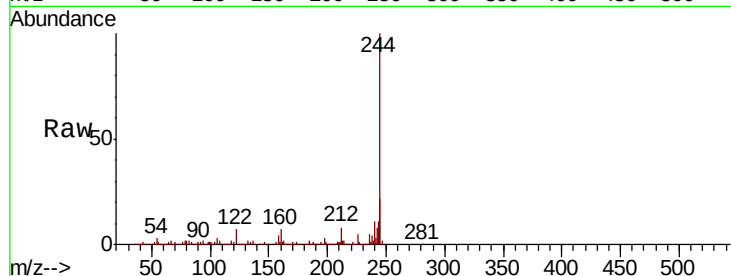
Tgt Ion:184 Resp: 19147

Ion Ratio Lower Upper

184 100

185 16.8 13.3 19.9

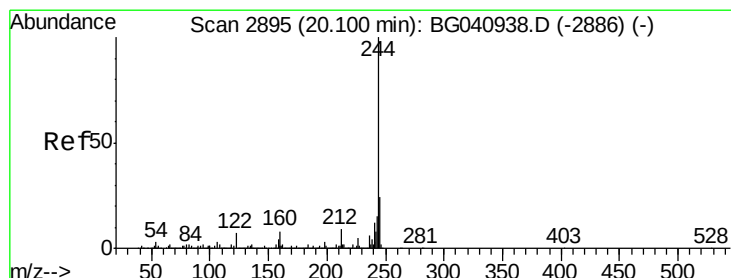
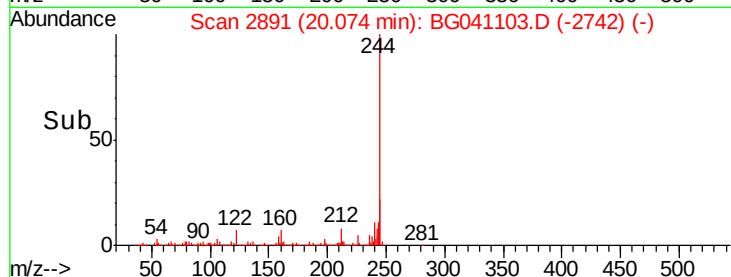
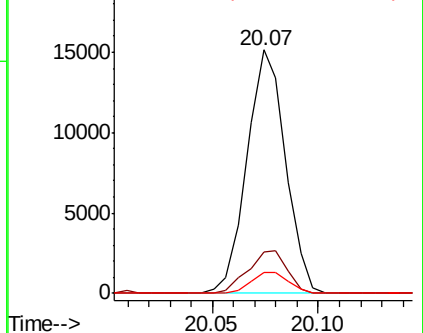
183 8.3 10.7 16.1#



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: 76.863 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.03 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

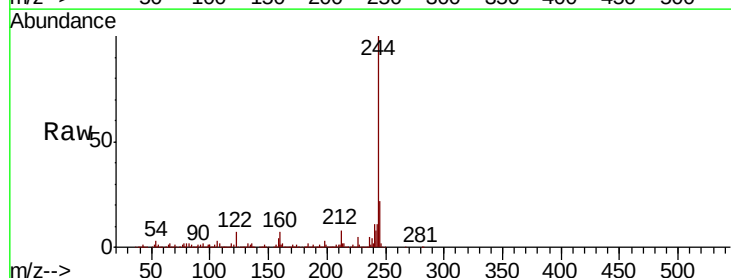
Tgt Ion:244 Resp: 1186128

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

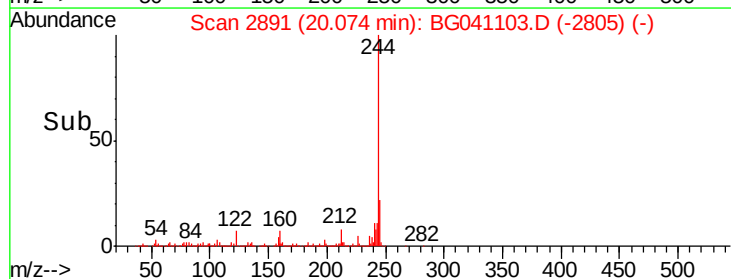
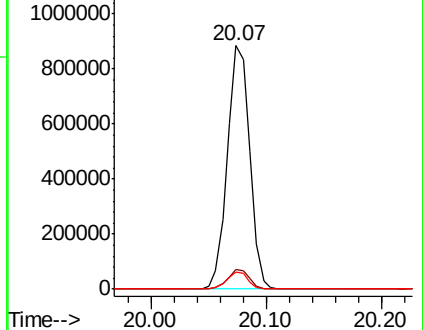
122 7.0 5.4 8.0

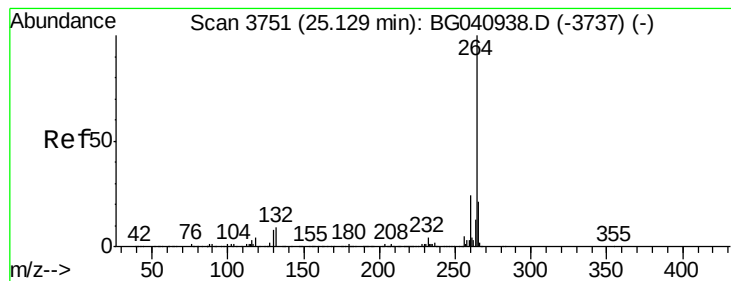


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.08 min Scan# 3743

Delta R.T. -0.05 min

Lab File: BG041103.D

Acq: 7 Jun 2019 16:02

Instrument :

BNA_G

ClientSampleId :

AOC50MW002-190604

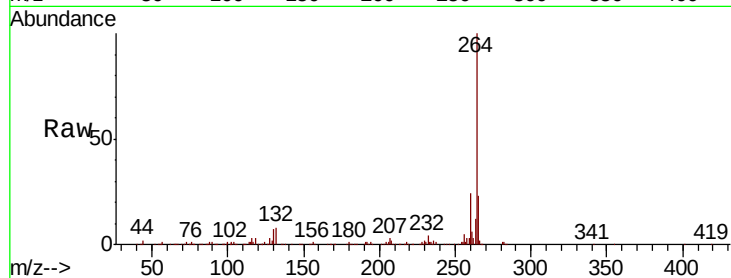
Tgt Ion: 264 Resp: 341012

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 22.7 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

