

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042296.D
 Acq On : 17 Aug 2019 18:39
 Operator : HP/JU
 Sample : K4264-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-G1-G4-(0-2)

Quant Time: Aug 19 05:59:01 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

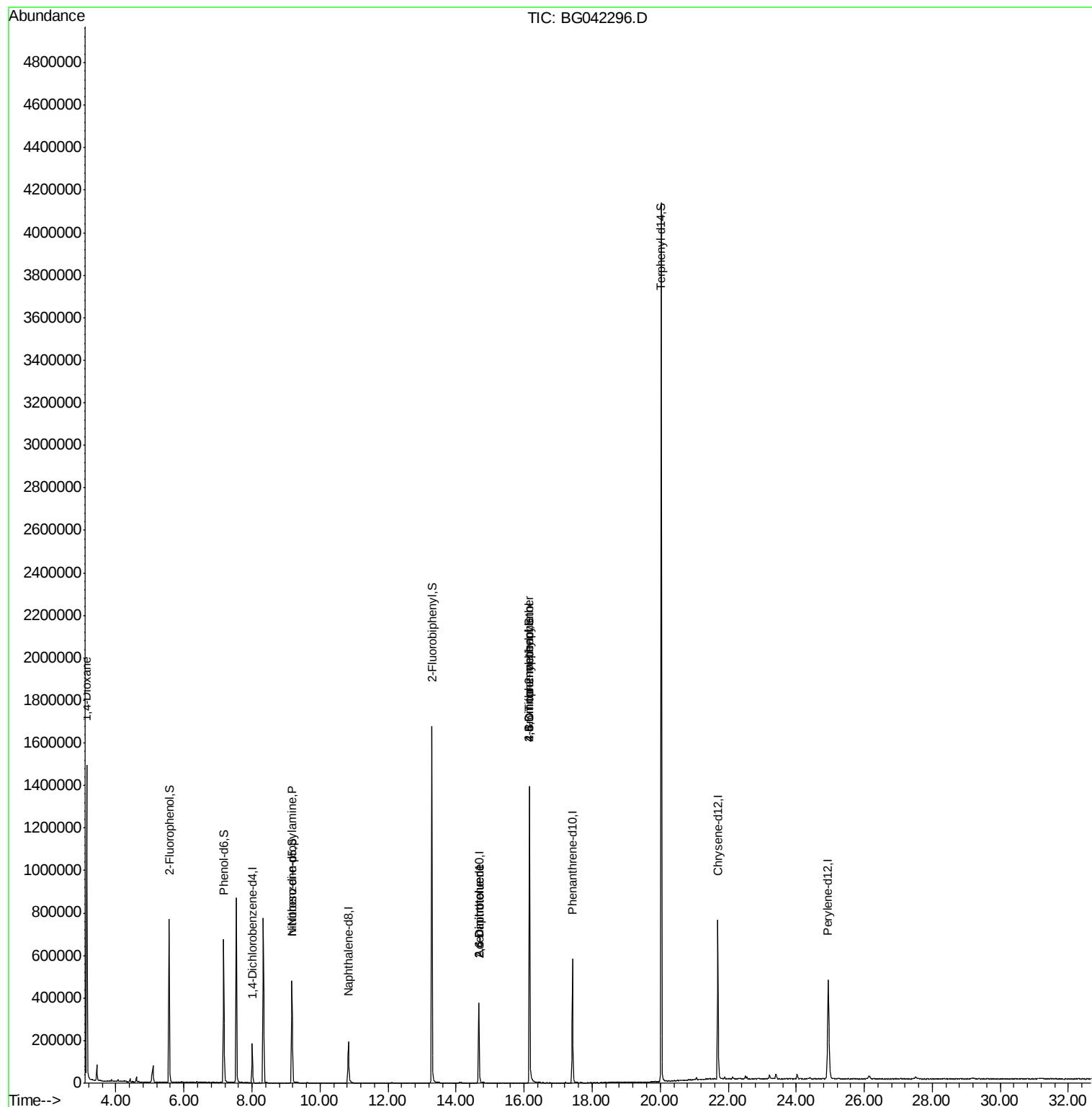
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	61062	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	226633	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	166444	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	419120	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	486377	20.00	ng	-0.04
87) Perylene-d12	24.94	264	555305	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	390236	124.34	ng	-0.03
7) Phenol-d6	7.17	99	476526	112.62	ng	-0.03
23) Nitrobenzene-d5	9.18	82	324924	98.66	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	352163	186.27	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1008492	106.86	ng	-0.04
79) Terphenyl-d14	20.03	244	2097685	98.69	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	14404	9.751	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	41014	13.352	ng	# 62
51) 2,6-Dinitrotoluene	14.66	165	21305	8.963	ng	# 27
57) 2,4-Dinitrotoluene	14.66	165	21303	6.517	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.16	198	814	7.192	ng	# 50
67) 4-Bromophenyl-phenylether	16.16	248	24520	4.749	ng	# 1

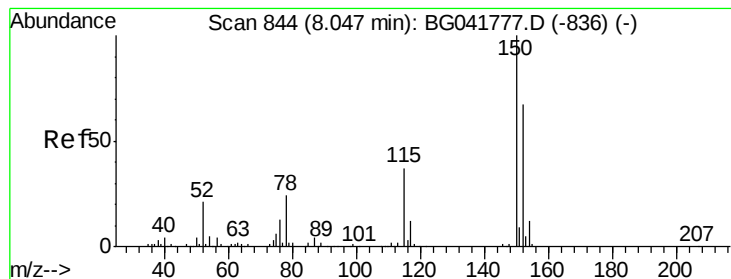
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 31 08:57:26 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.04 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-G1-G4-(0-2)

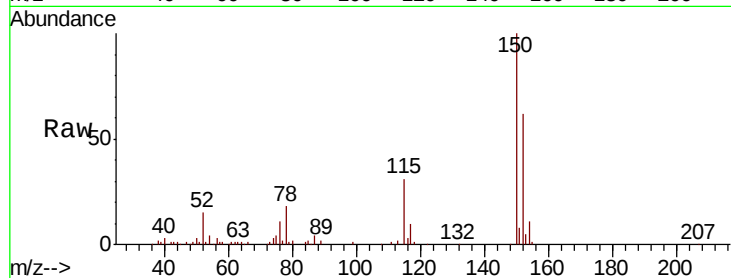
Tgt Ion:152 Resp: 61062

Ion Ratio Lower Upper

152 100

150 161.2 126.9 190.3

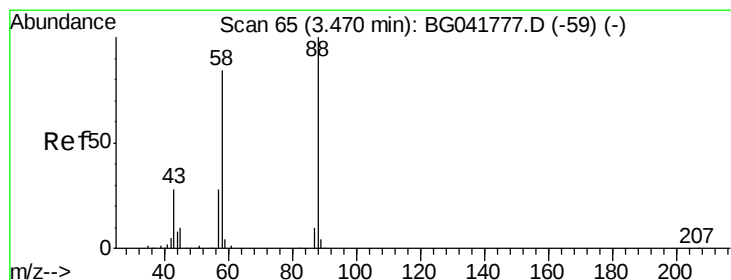
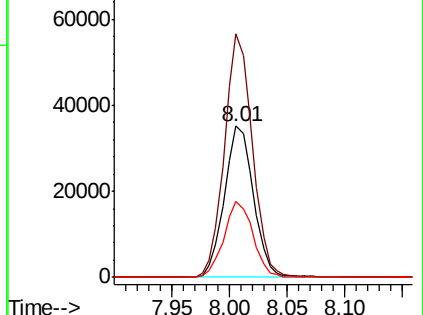
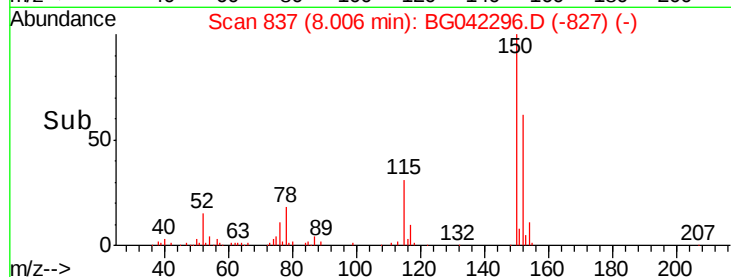
115 50.3 45.0 67.6



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



#2

1,4-Dioxane

Concen: 9.751 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

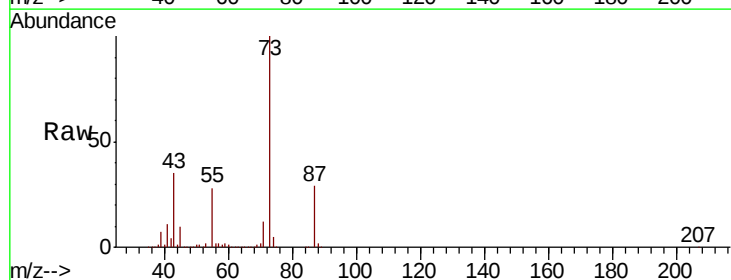
Tgt Ion: 88 Resp: 14404

Ion Ratio Lower Upper

88 100

58 30.2 76.2 114.2#

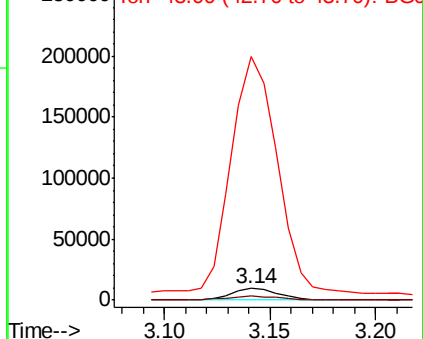
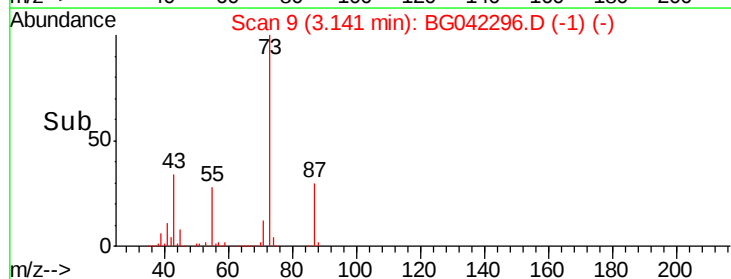
43 2129.0 27.2 40.8#

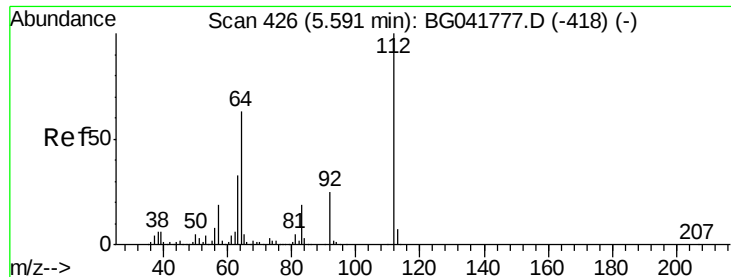


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 124.341 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-G1-G4-(0-2)

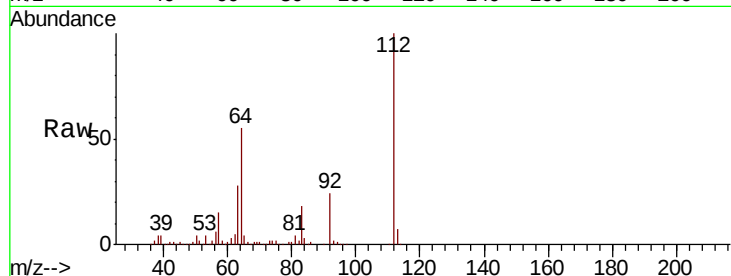
Tgt Ion:112 Resp: 390236

Ion Ratio Lower Upper

112 100

64 54.6 55.4 83.2#

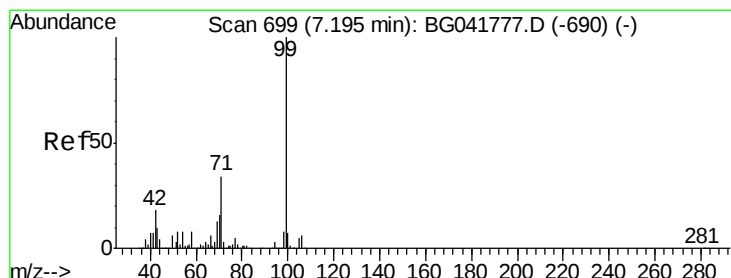
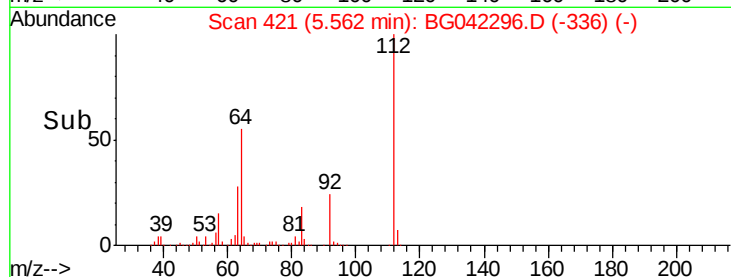
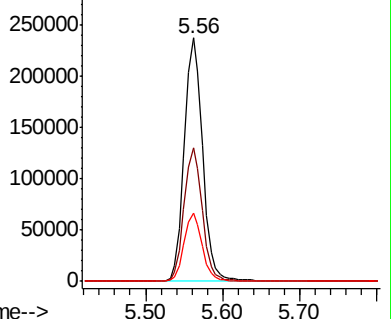
63 28.1 29.1 43.7#



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: 112.624 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

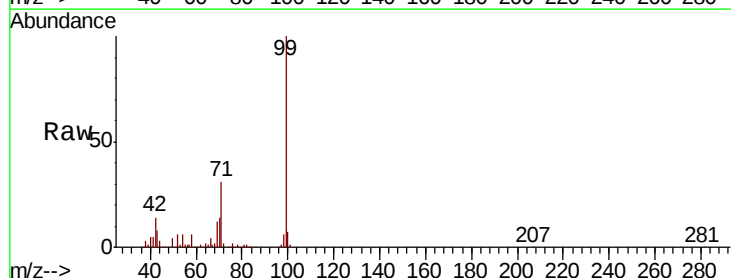
Tgt Ion: 99 Resp: 476526

Ion Ratio Lower Upper

99 100

42 14.3 17.6 26.4#

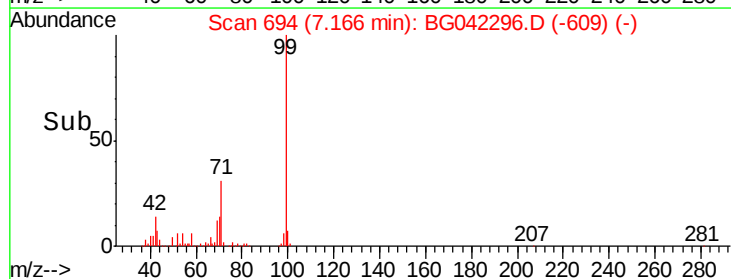
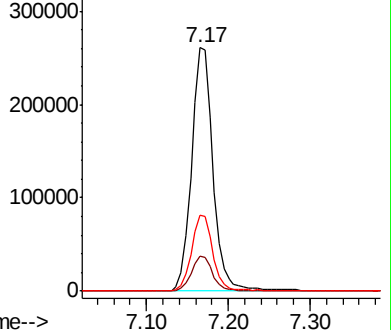
71 31.0 27.8 41.6

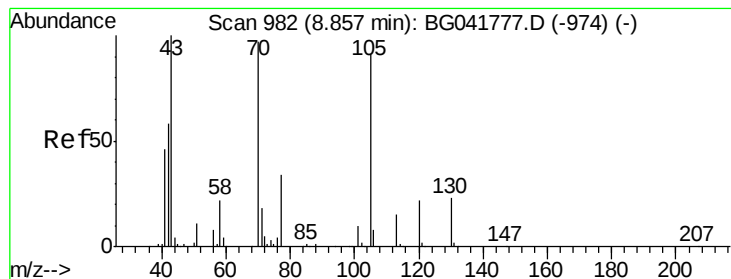


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 13.352 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-G1-G4-(0-2)

Tgt Ion: 70 Resp: 41014

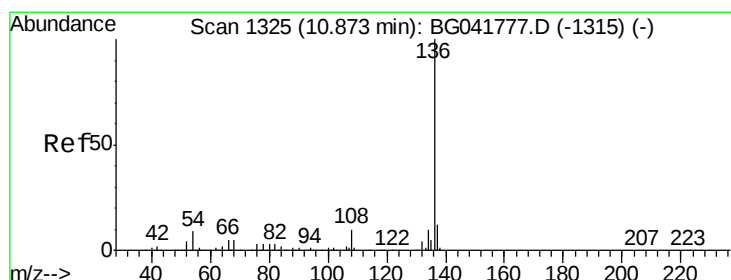
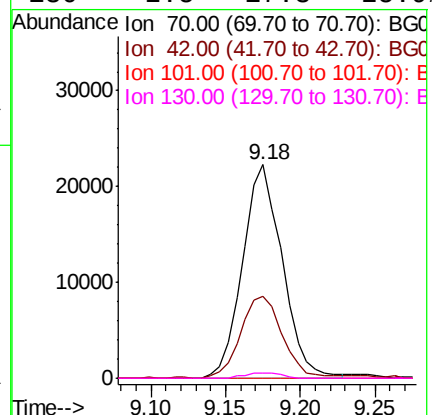
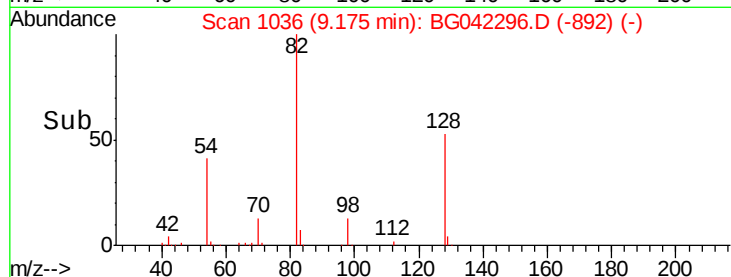
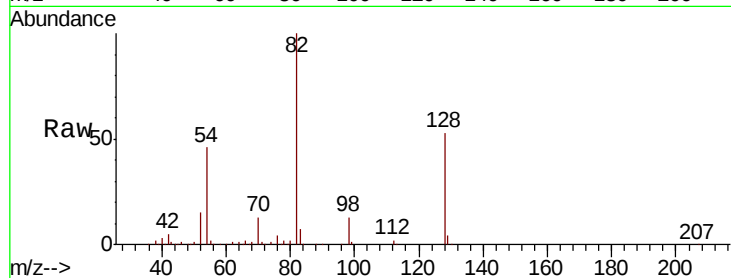
Ion Ratio Lower Upper

70 100

42 38.3 55.8 83.6#

101 0.0 8.1 12.1#

130 2.5 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.04 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

Tgt Ion: 136 Resp: 226633

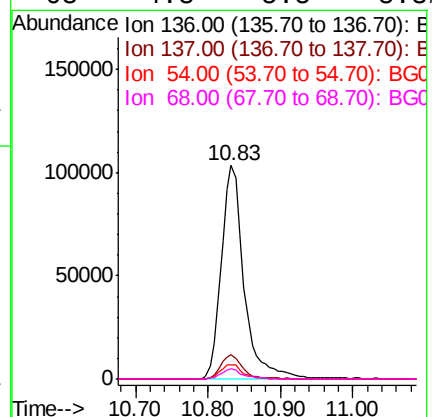
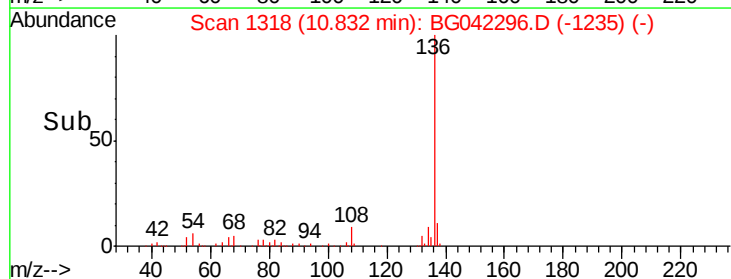
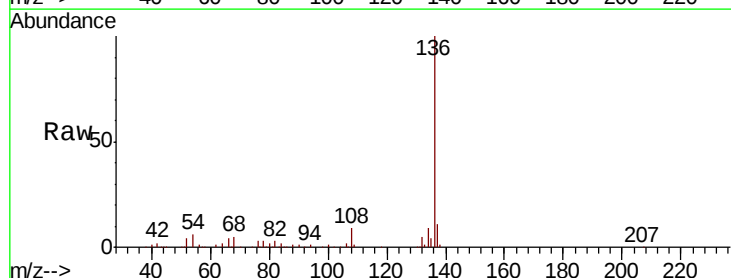
Ion Ratio Lower Upper

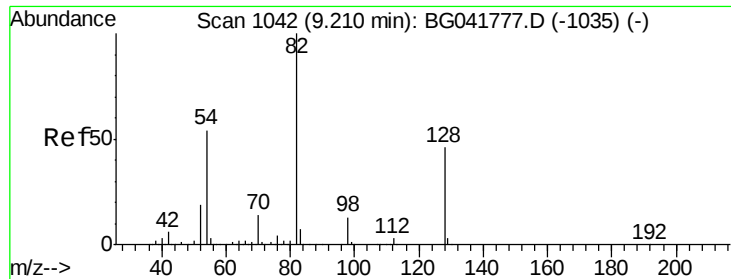
136 100

137 11.5 9.2 13.8

54 6.4 8.7 13.1#

68 4.8 5.5 8.3#

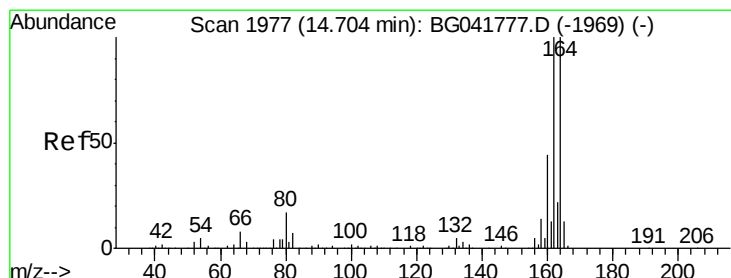
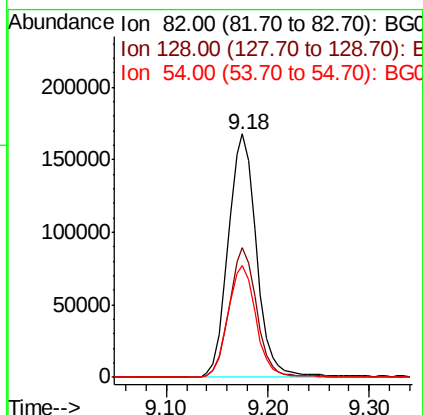
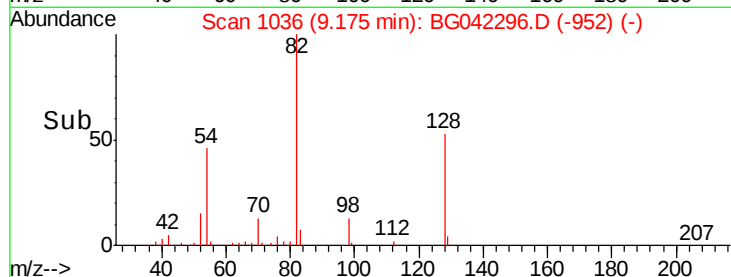
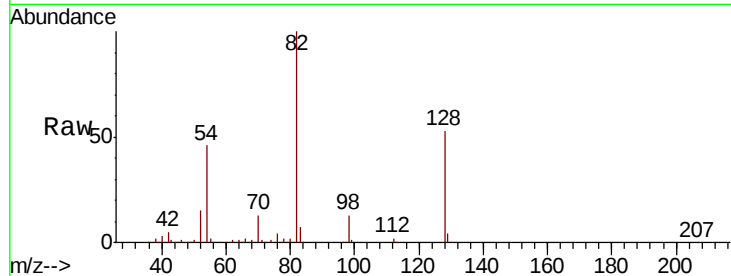




#23
Nitrobenzene-d5
Concen: 98.662 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BG042296.D
Acq: 17 Aug 2019 18:39

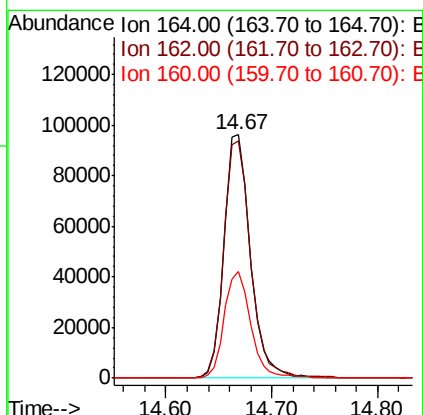
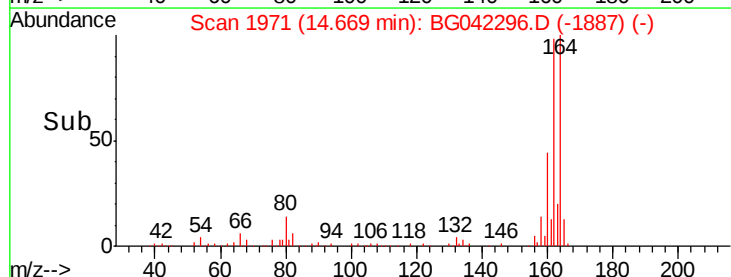
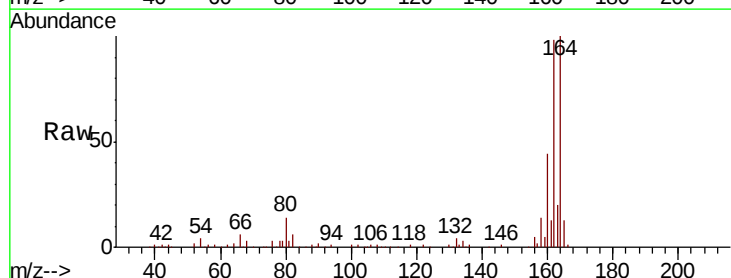
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-G1-G4-(0-2)

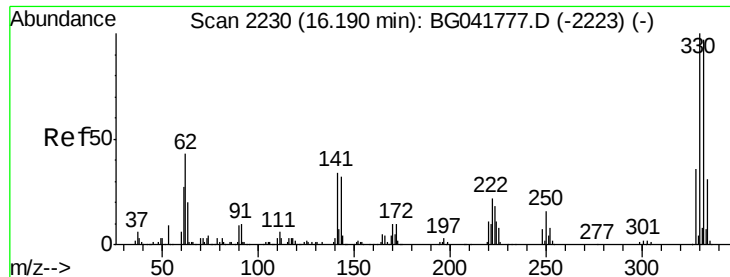
Tgt Ion: 82 Resp: 324924
Ion Ratio Lower Upper
82 100
128 53.2 35.1 52.7#
54 45.9 48.7 73.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.03 min
Lab File: BG042296.D
Acq: 17 Aug 2019 18:39

Tgt Ion: 164 Resp: 166444
Ion Ratio Lower Upper
164 100
162 97.6 79.6 119.4
160 44.1 35.4 53.0

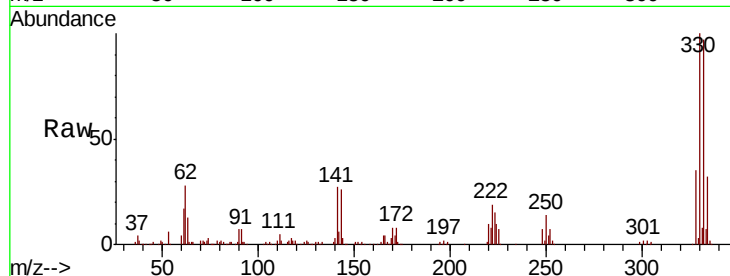




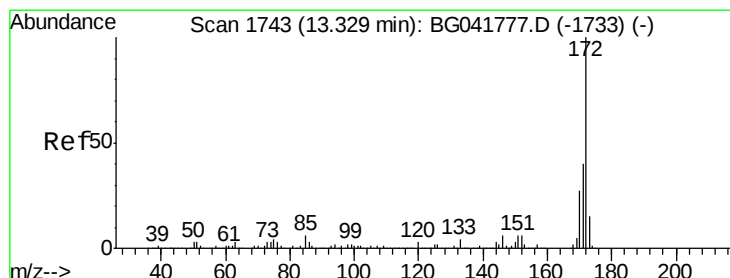
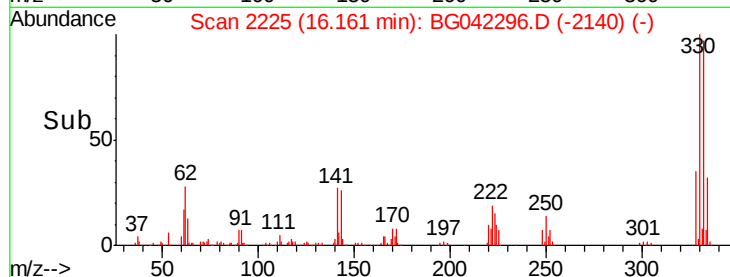
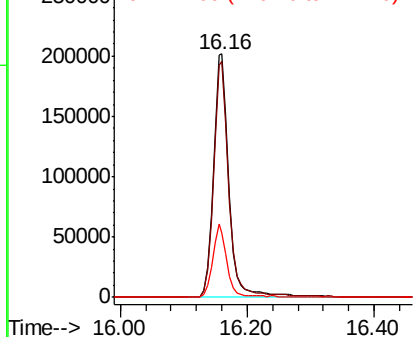
#42
 2,4,6-Tribromophenol
 Concen: 186.273 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.03 min
 Lab File: BG042296.D
 Acq: 17 Aug 2019 18:39

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-G1-G4-(0-2)

Tgt Ion:330 Resp: 352163
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.0
 141 27.5 31.9 47.9#

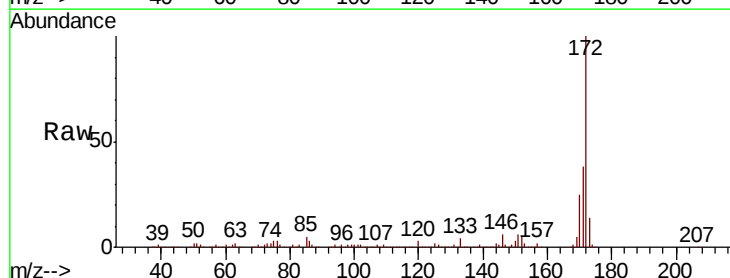


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

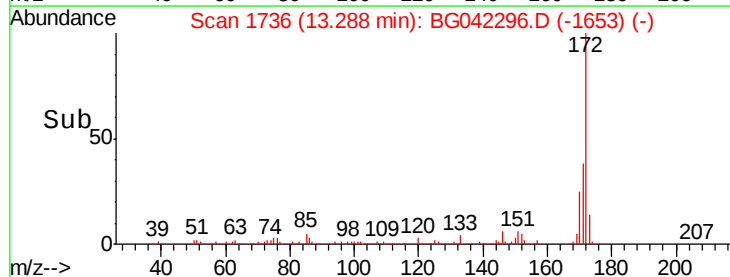
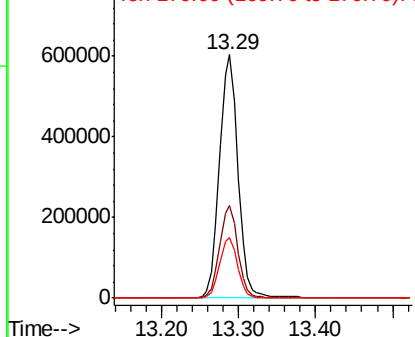


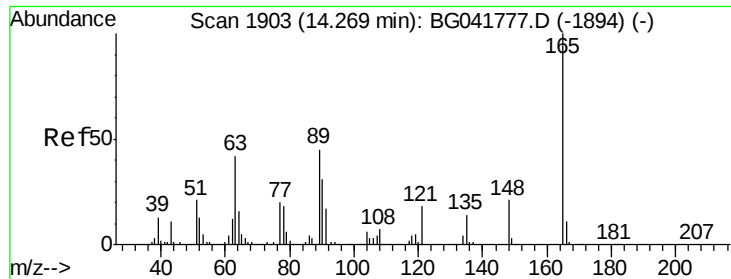
#45
 2-Fluorobiphenyl
 Concen: 106.865 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042296.D
 Acq: 17 Aug 2019 18:39

Tgt Ion:172 Resp: 1008492
 Ion Ratio Lower Upper
 172 100
 171 38.2 35.0 52.4
 170 24.9 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: 8.963 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.39 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-G1-G4-(0-2)

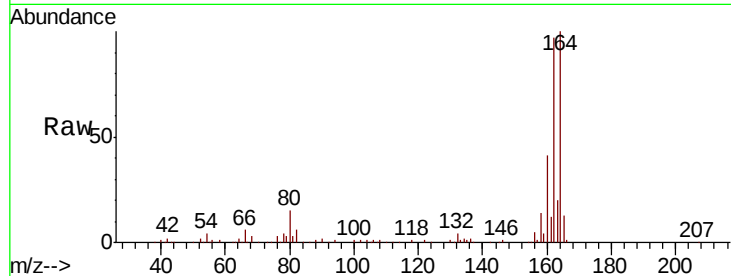
Tgt Ion:165 Resp: 21305

Ion Ratio Lower Upper

165 100

63 1.6 42.4 63.6#

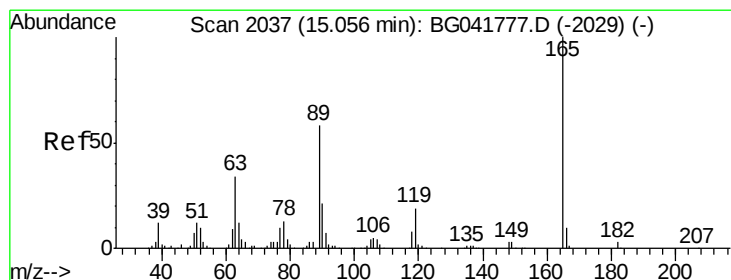
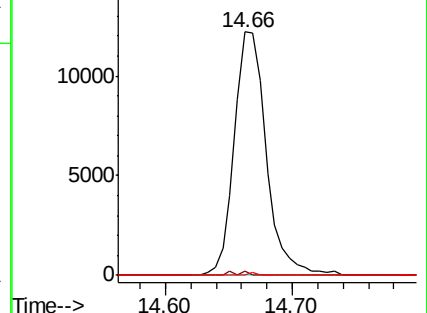
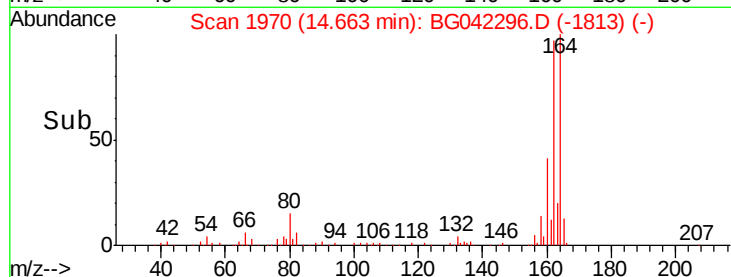
89 0.0 42.1 63.1#



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: 6.517 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.39 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

Tgt Ion:165 Resp: 21303

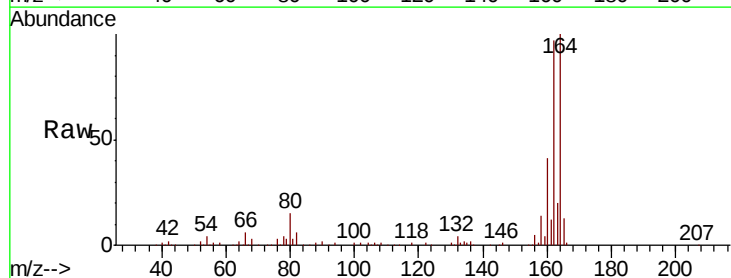
Ion Ratio Lower Upper

165 100

63 1.6 31.7 47.5#

89 0.0 50.2 75.4#

182 0.0 2.6 4.0#

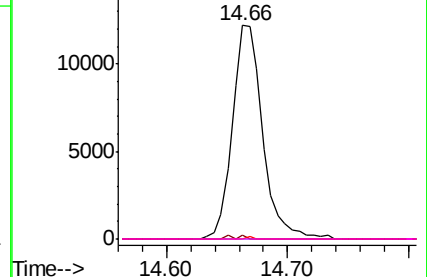
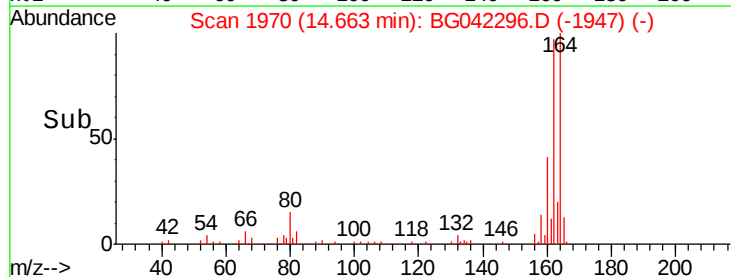


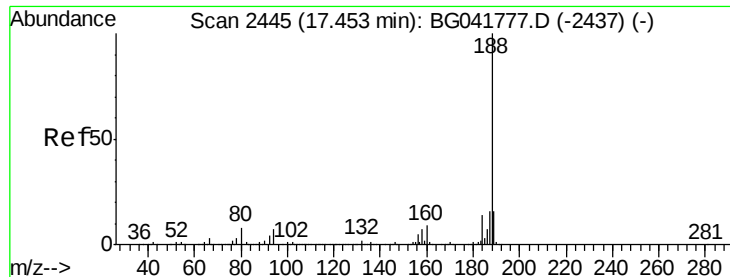
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.03 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-G1-G4-(0-2)

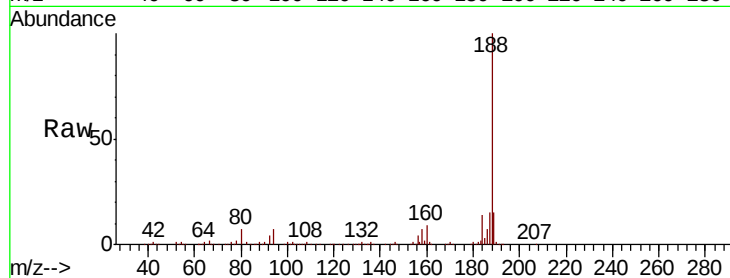
Tgt Ion:188 Resp: 419120

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

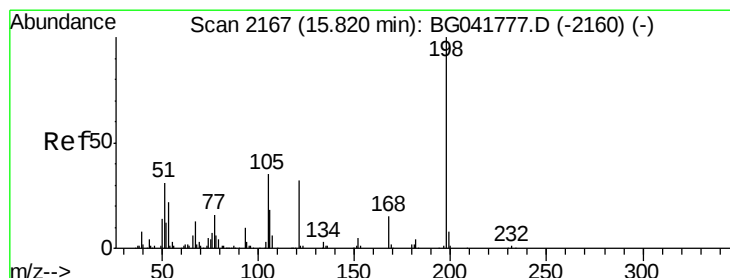
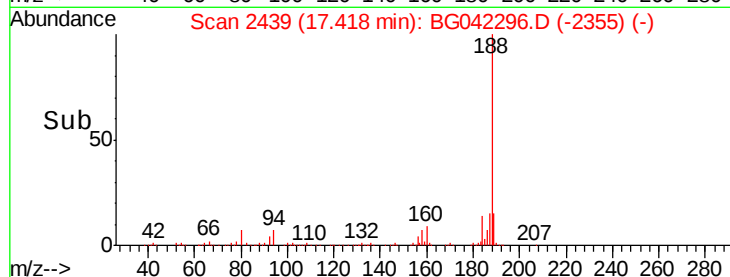
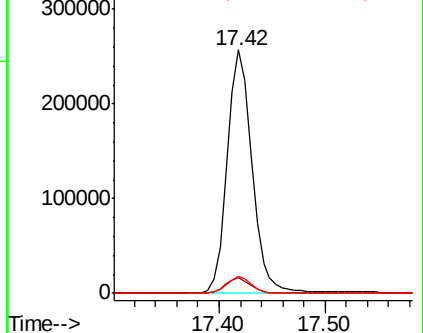
80 6.9 8.0 12.0#



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: 7.192 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.34 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

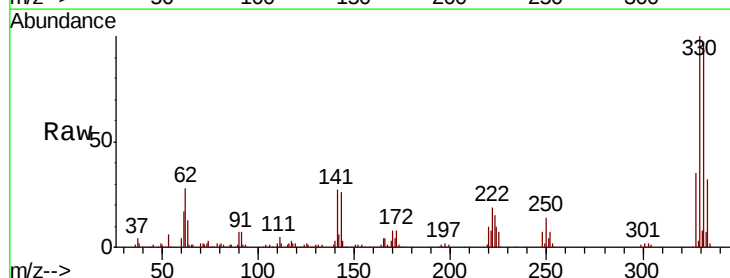
Tgt Ion:198 Resp: 814

Ion Ratio Lower Upper

198 100

51 54.9 22.3 62.3

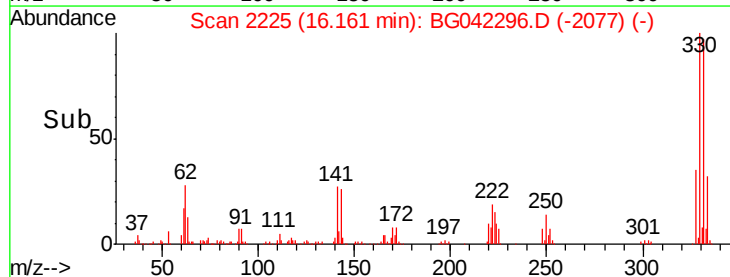
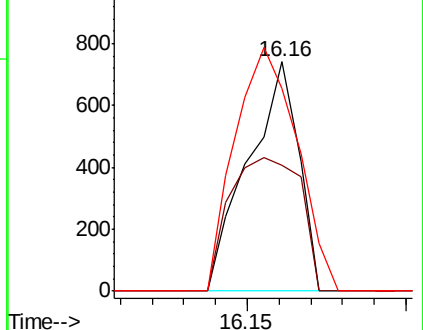
105 88.6 18.0 58.0#

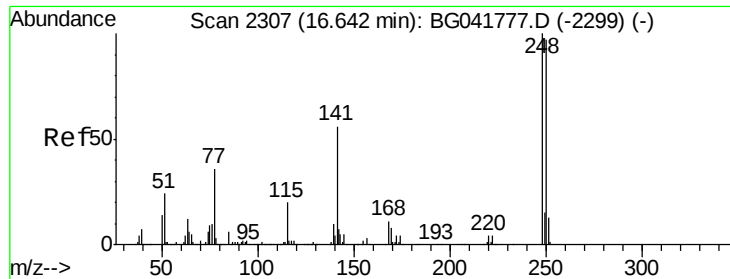


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

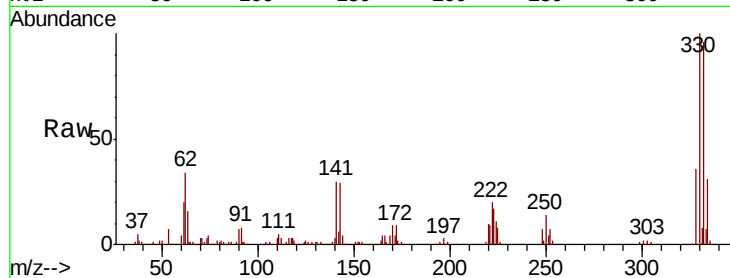




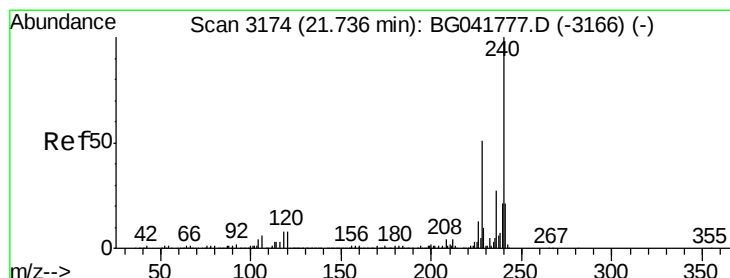
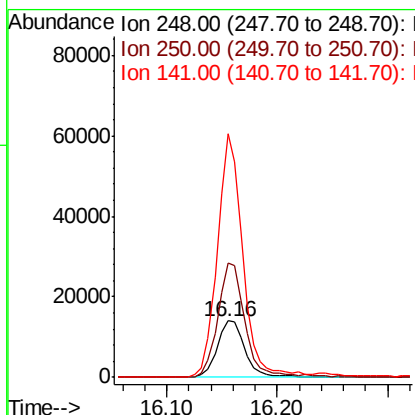
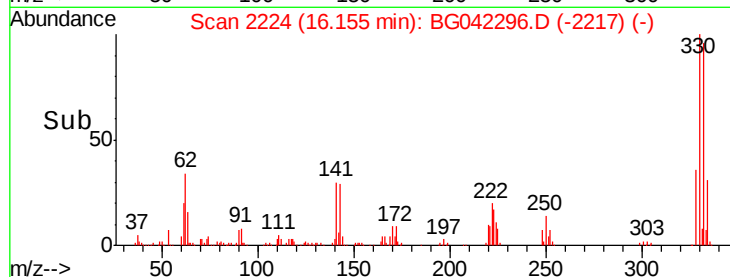
#67
 4-Bromophenyl-phenylether
 Concen: 4.749 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042296.D
 Acq: 17 Aug 2019 18:39

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-G1-G4-(0-2)

Tgt Ion:248 Resp: 24520
 Ion Ratio Lower Upper
 248 100
 250 204.0 78.1 117.1#
 141 432.7 49.6 74.4#

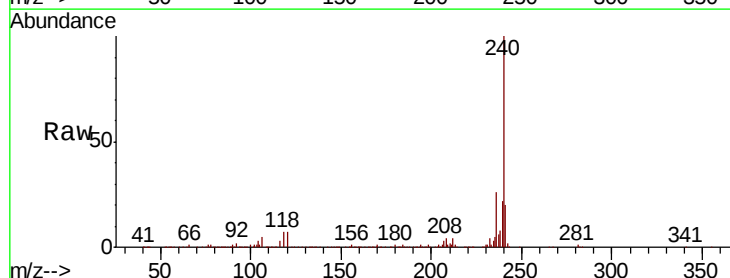


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

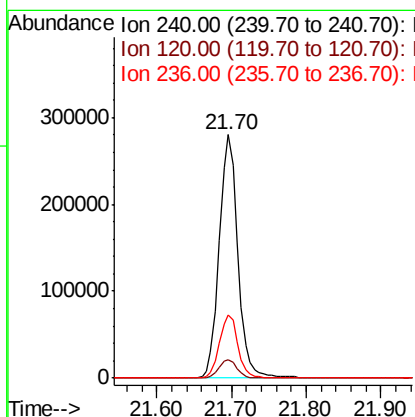
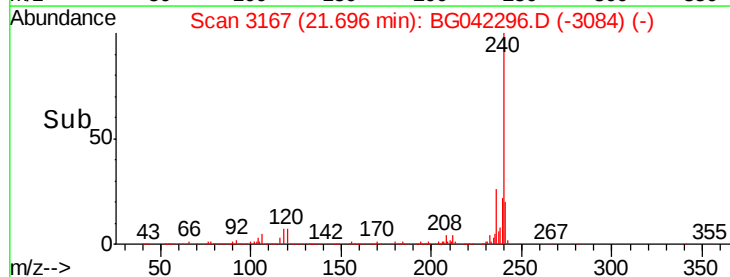


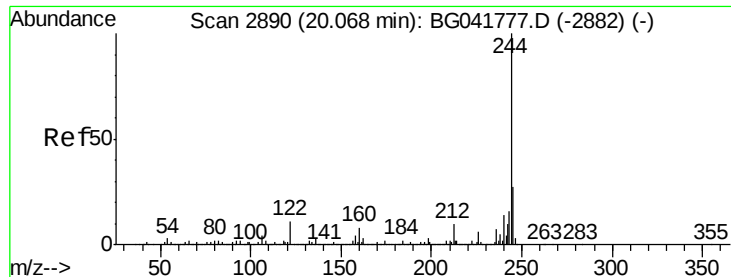
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042296.D
 Acq: 17 Aug 2019 18:39

Tgt Ion:240 Resp: 486377
 Ion Ratio Lower Upper
 240 100
 120 7.5 8.0 12.0#
 236 26.1 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: 98.690 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-G1-G4-(0-2)

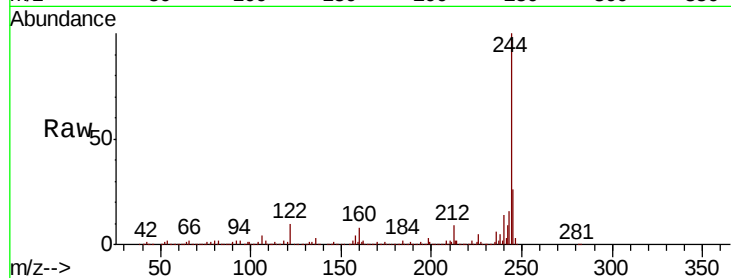
Tgt Ion:244 Resp: 2097685

Ion Ratio Lower Upper

244 100

212 8.8 9.7 14.5#

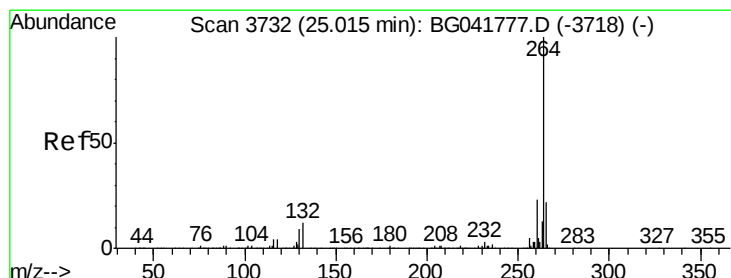
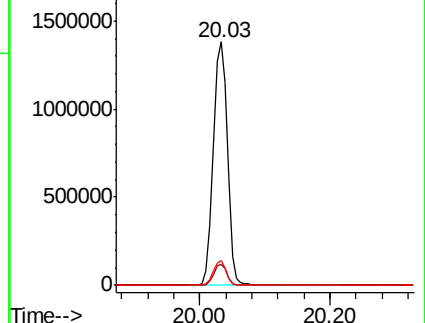
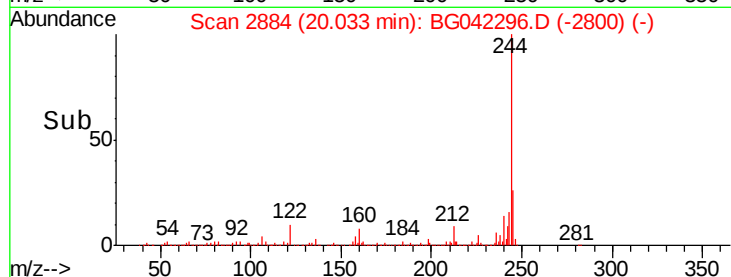
122 9.9 12.5 18.7#



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: 24.94 min Scan# 3719

Delta R.T. -0.08 min

Lab File: BG042296.D

Acq: 17 Aug 2019 18:39

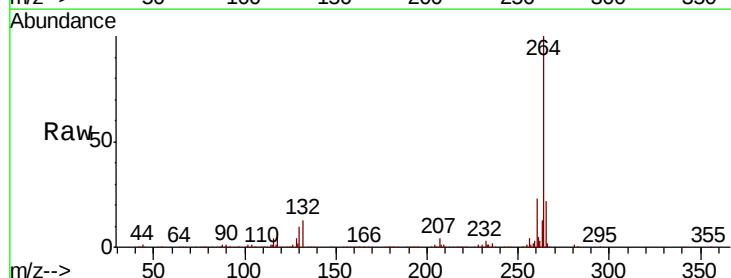
Tgt Ion:264 Resp: 555305

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 22.2 18.0 27.0



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

