

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042302.D
 Acq On : 18 Aug 2019 1:05
 Operator : HP/JU
 Sample : K4231-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-D-(0-3)

Quant Time: Aug 19 06:02:26 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

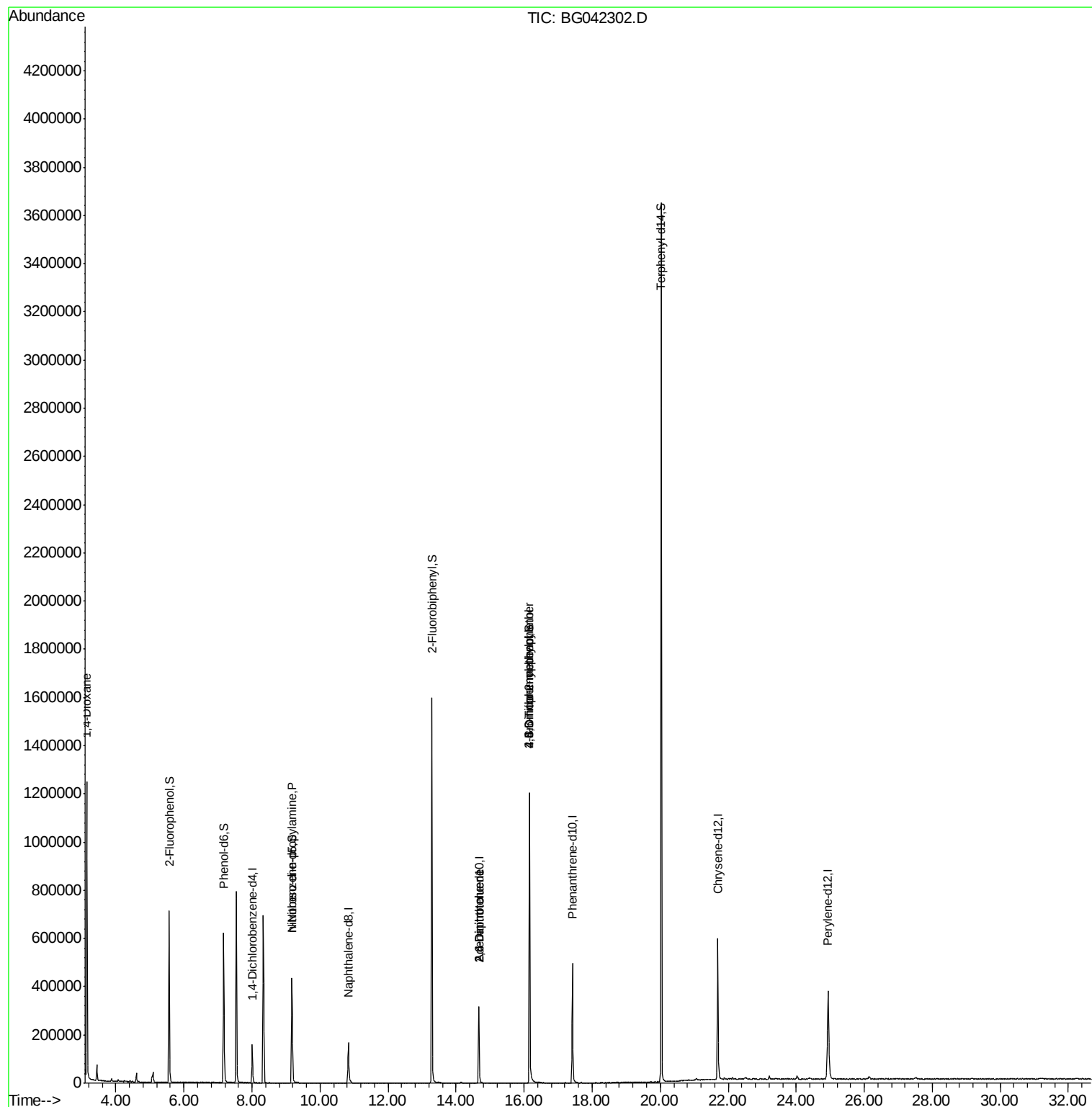
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	52373	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	196643	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	142916	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	361085	20.00	ng	-0.04
76) Chrysene-d12	21.70	240	409078	20.00	ng	-0.04
87) Perylene-d12	24.93	264	456714	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	359918	133.71	ng	-0.03
7) Phenol-d6	7.17	99	440150	121.29	ng	-0.03
23) Nitrobenzene-d5	9.17	82	297595	104.14	ng	-0.04
42) 2,4,6-Tribromophenol	16.16	330	323231	199.12	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	956273	118.01	ng	-0.04
79) Terphenyl-d14	20.03	244	1941281	108.59	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	13198	10.417	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	37886	14.380	ng	# 65
51) 2,6-Dinitrotoluene	14.66	165	18791	9.207	ng	# 25
57) 2,4-Dinitrotoluene	14.66	165	18791	6.695	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.15	198	633	7.159	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	22148	4.979	ng	# 1

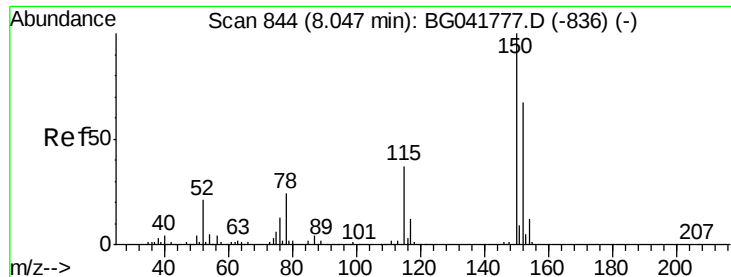
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG042302.D

Acq: 18 Aug 2019 1:05

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-D-(0-3)

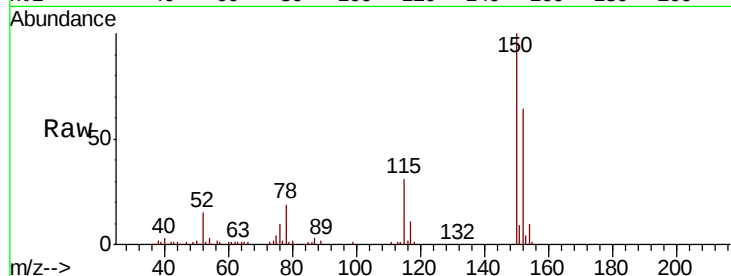
Tgt Ion:152 Resp: 52373

Ion Ratio Lower Upper

152 100

150 156.9 126.9 190.3

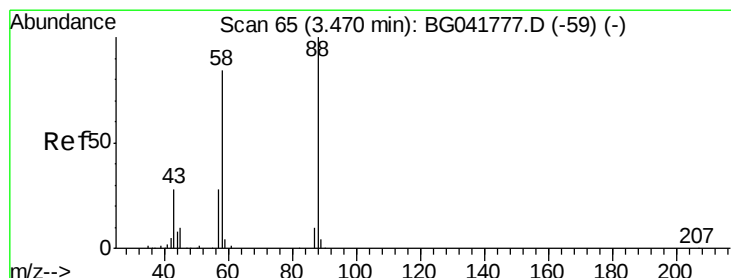
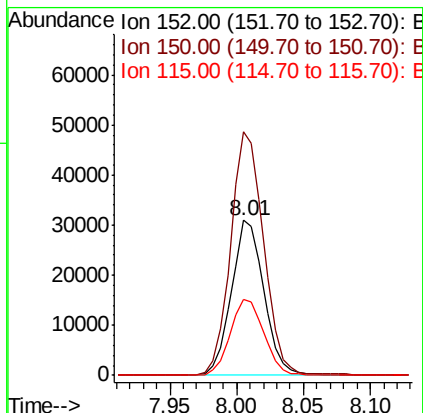
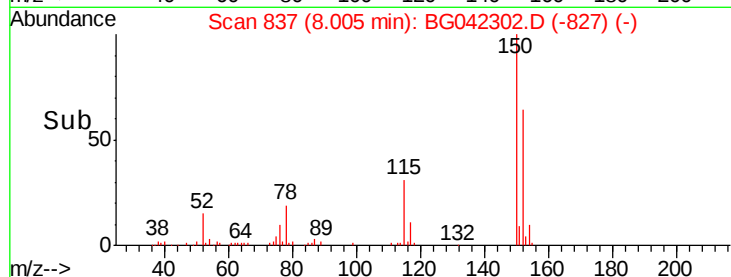
115 48.6 45.0 67.6



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: 10.417 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042302.D

Acq: 18 Aug 2019 1:05

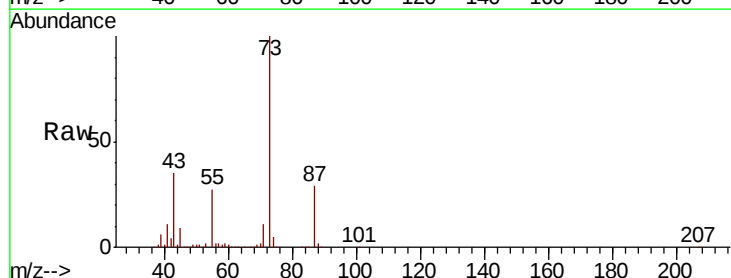
Tgt Ion: 88 Resp: 13198

Ion Ratio Lower Upper

88 100

58 26.9 76.2 114.2#

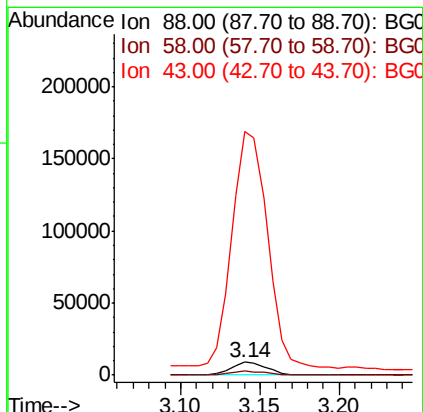
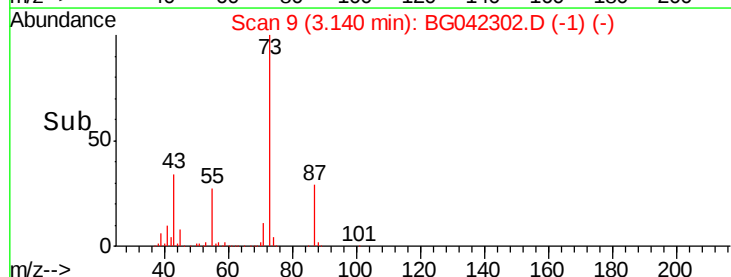
43 1924.6 27.2 40.8#

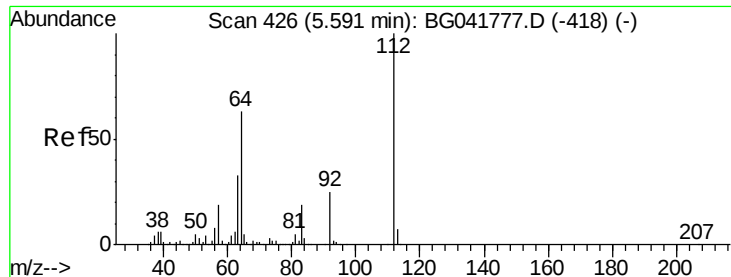


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 133.707 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042302.D

Acq: 18 Aug 2019 1:05

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-D-(0-3)

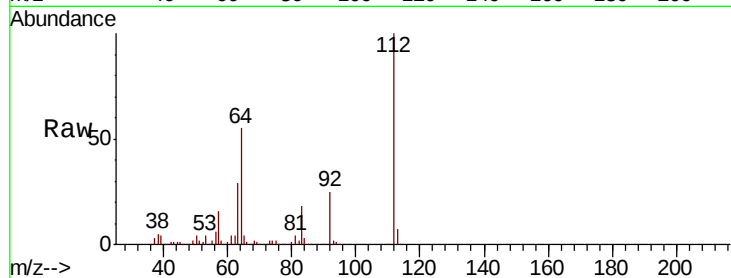
Tgt Ion: 112 Resp: 359918

Ion Ratio Lower Upper

112 100

64 54.9 55.4 83.2#

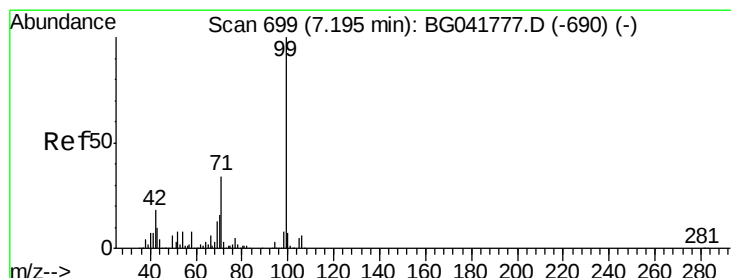
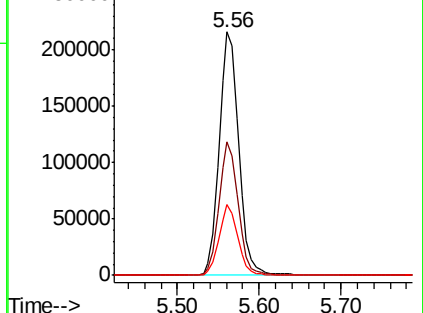
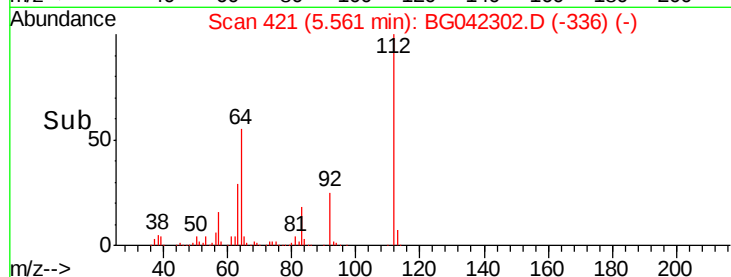
63 29.1 29.1 43.7#



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: 121.286 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042302.D

Acq: 18 Aug 2019 1:05

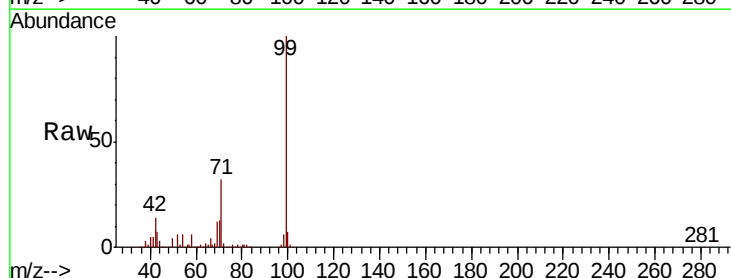
Tgt Ion: 99 Resp: 440150

Ion Ratio Lower Upper

99 100

42 14.3 17.6 26.4#

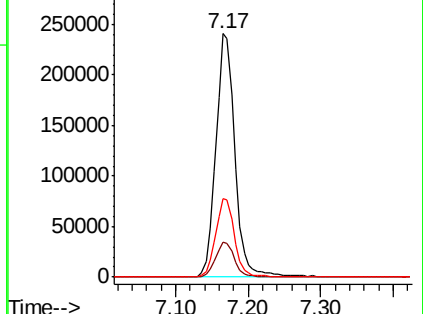
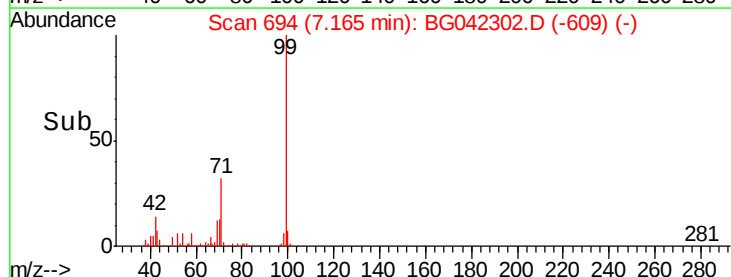
71 32.2 27.8 41.6

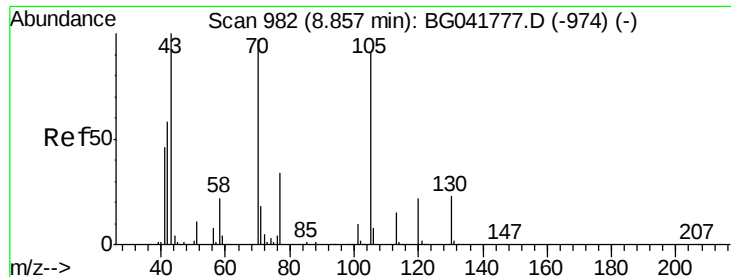


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

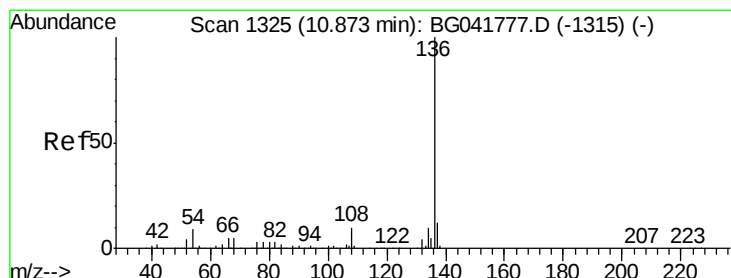
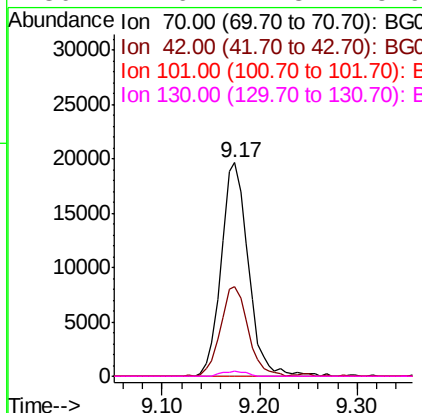
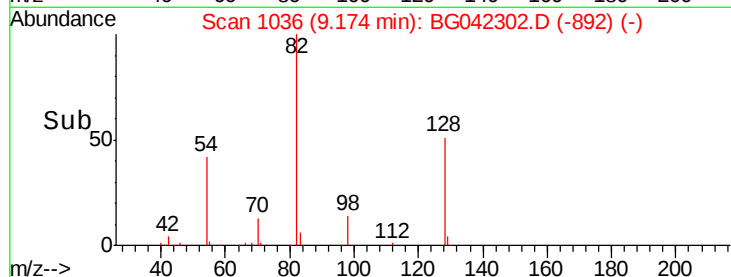
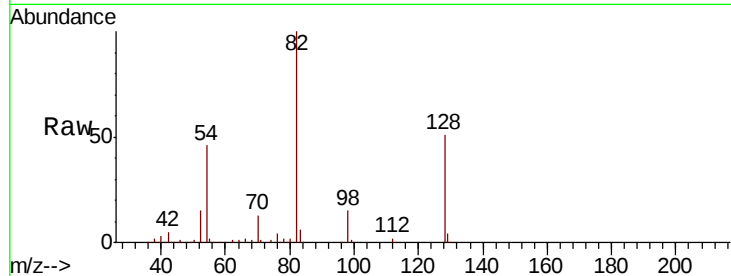




#19
n-Nitroso-di-n-propylamine
Concen: 14.380 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.32 min
Lab File: BG042302.D
Acq: 18 Aug 2019 1:05

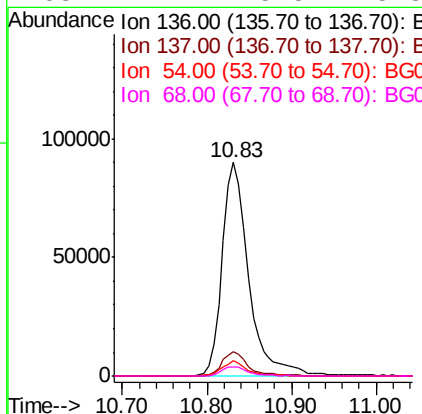
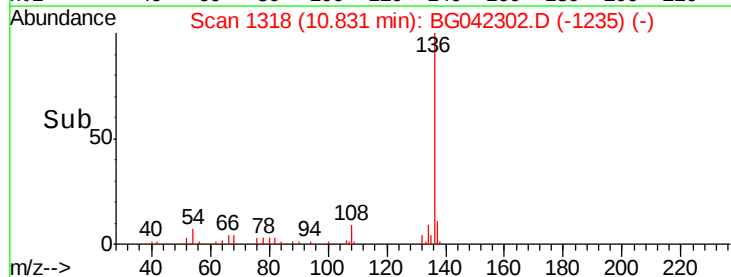
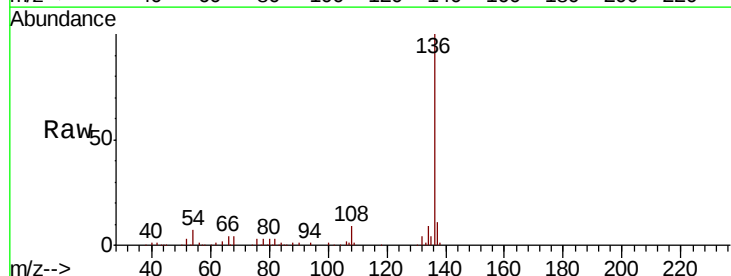
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-D-(0-3)

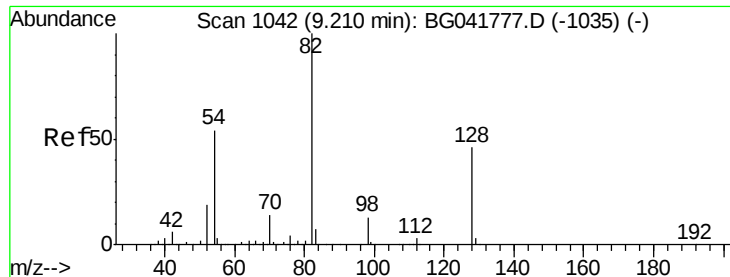
Tgt Ion: 70 Resp: 37886
Ion Ratio Lower Upper
70 100
42 41.9 55.8 83.6#
101 0.0 8.1 12.1#
130 2.6 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042302.D
Acq: 18 Aug 2019 1:05

Tgt Ion: 136 Resp: 196643
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.4 8.7 13.1#
68 4.4 5.5 8.3#

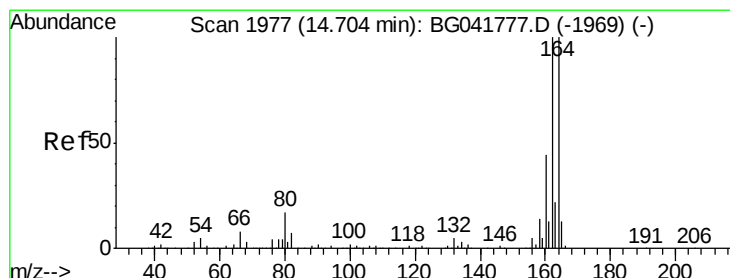
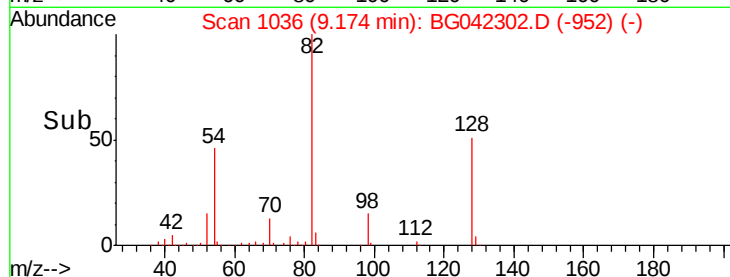
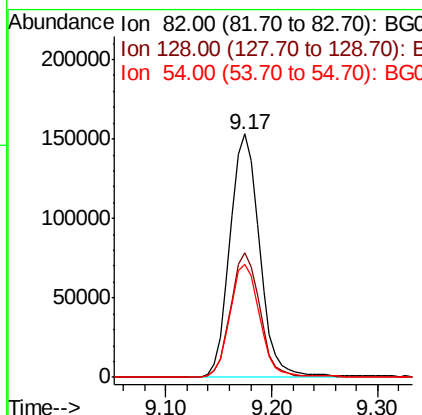
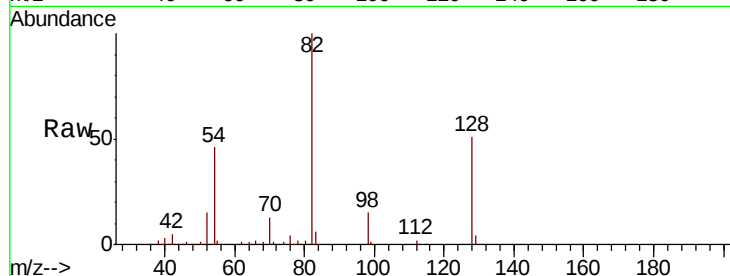




#23
Nitrobenzene-d5
Concen: 104.145 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.04 min
Lab File: BG042302.D
Acq: 18 Aug 2019 1:05

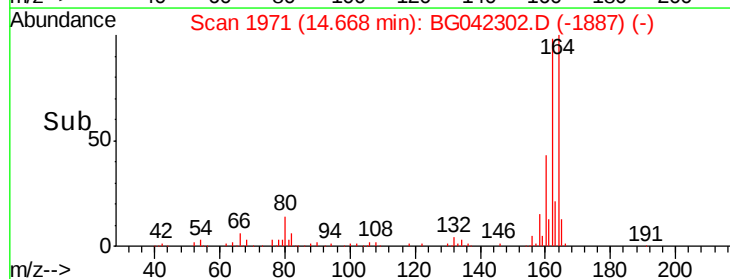
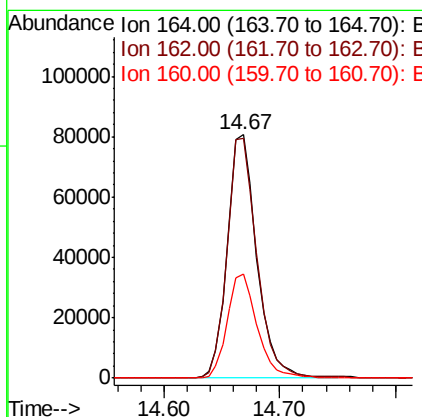
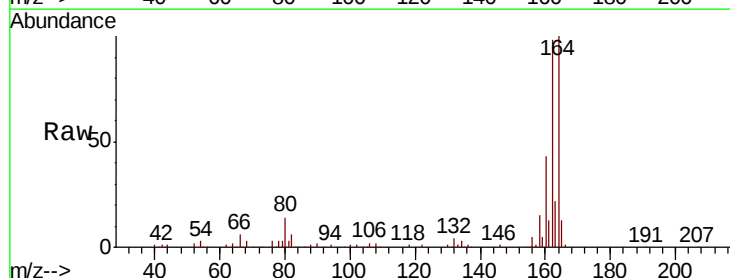
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-D-(0-3)

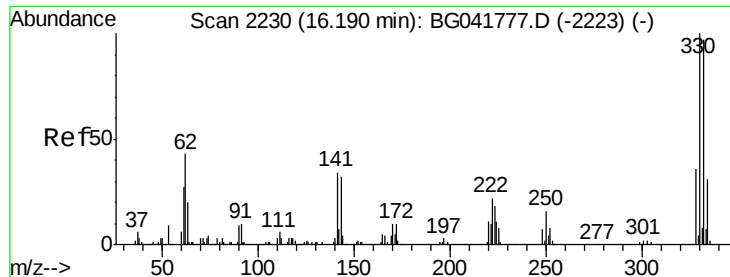
Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.2	35.1	52.7
54	46.3	48.7	73.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.04 min
Lab File: BG042302.D
Acq: 18 Aug 2019 1:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.6	119.4
160	42.5	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 199.116 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.03 min

Lab File: BG042302.D

Acq: 18 Aug 2019 1:05

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-D-(0-3)

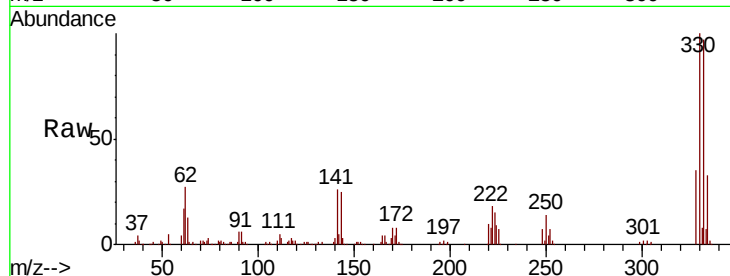
Tgt Ion:330 Resp: 323231

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.0

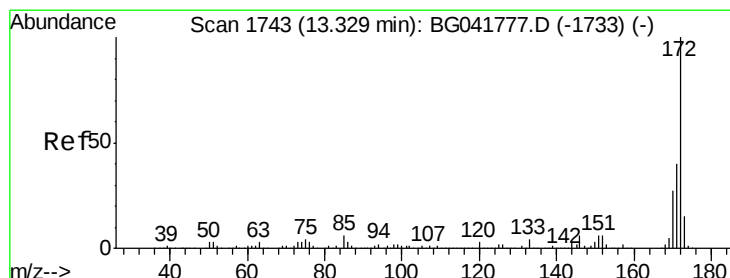
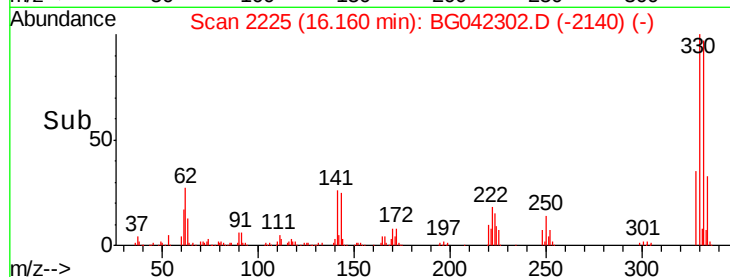
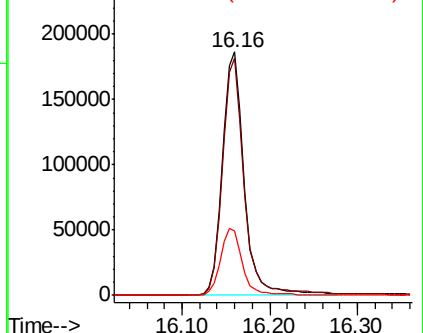
141 28.0 31.9 47.9#



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: 118.013 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.04 min

Lab File: BG042302.D

Acq: 18 Aug 2019 1:05

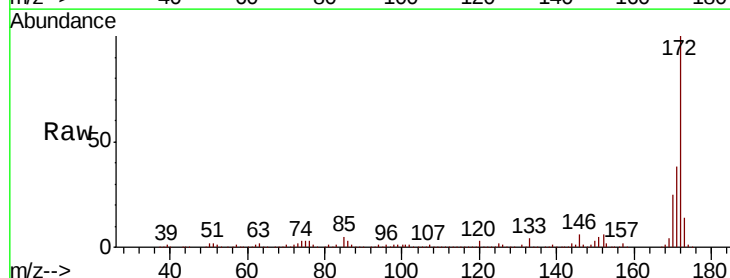
Tgt Ion:172 Resp: 956273

Ion Ratio Lower Upper

172 100

171 38.3 35.0 52.4

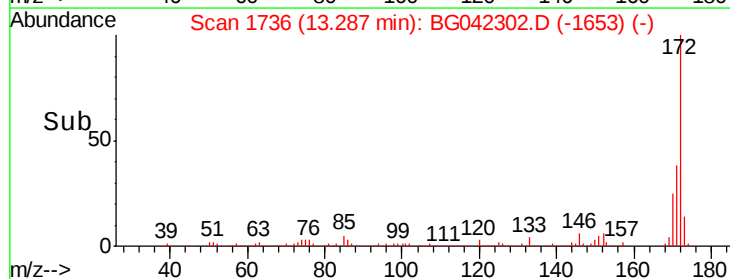
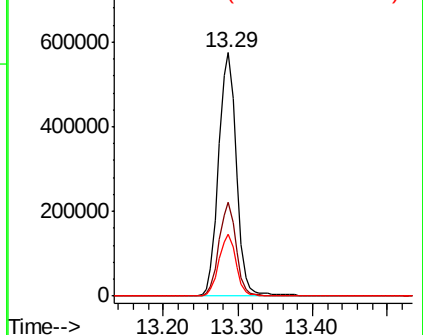
170 25.3 23.5 35.3

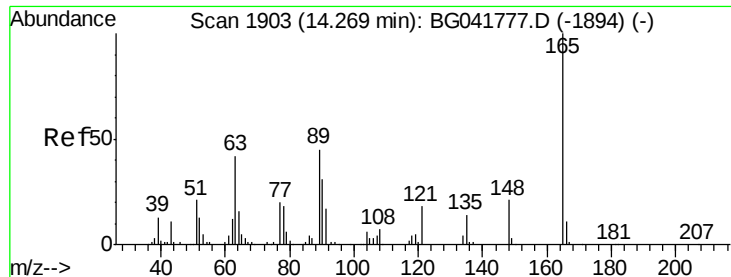


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

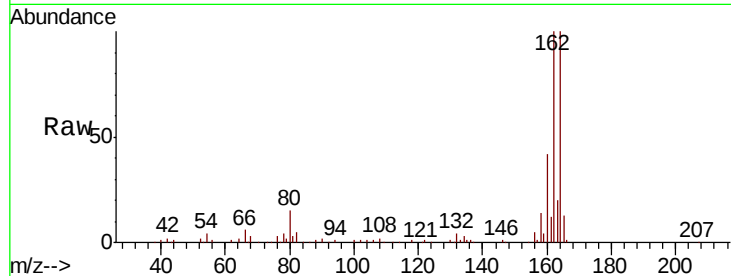




#51
 2,6-Dinitrotoluene
 Concen: 9.207 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.39 min
 Lab File: BG042302.D
 Acq: 18 Aug 2019 1:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-D-(0-3)

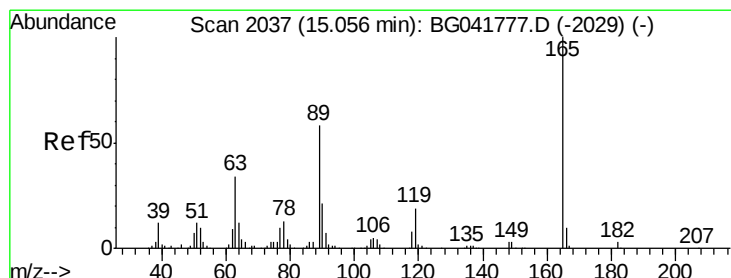
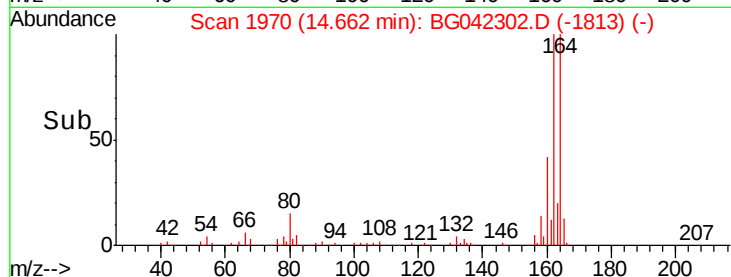
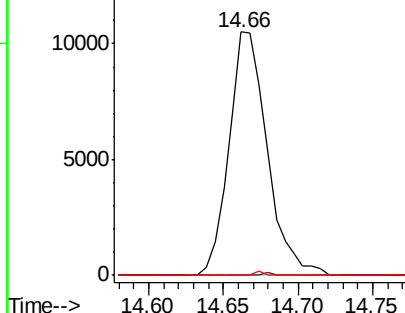
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



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: 6.695 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042302.D
 Acq: 18 Aug 2019 1:05

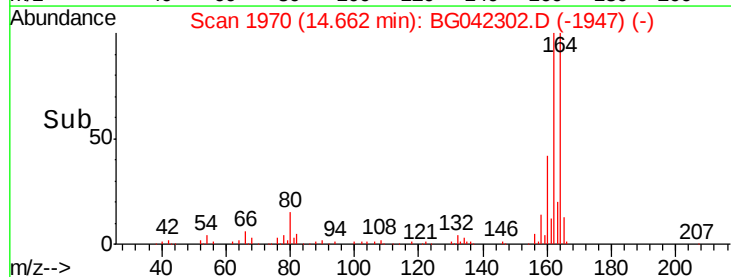
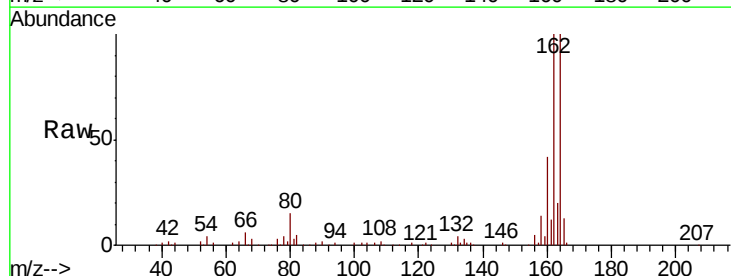
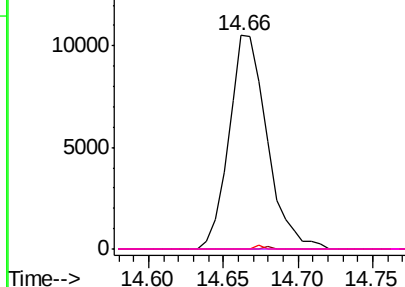
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	0.0	50.2	75.4#
182	0.0	2.6	4.0#

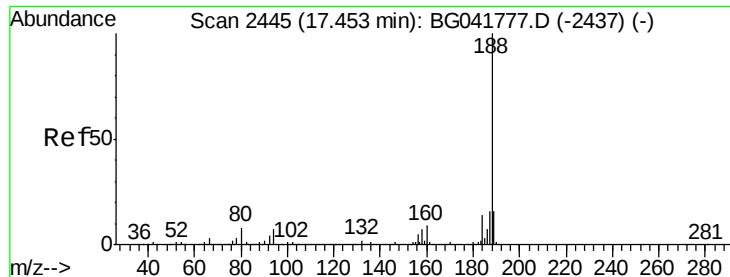
Abundance Ion 165.00 (164.70 to 165.70): E

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

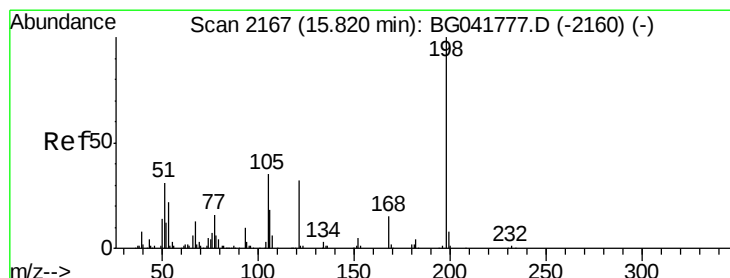
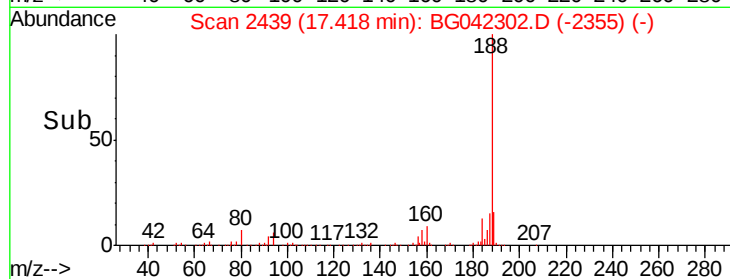
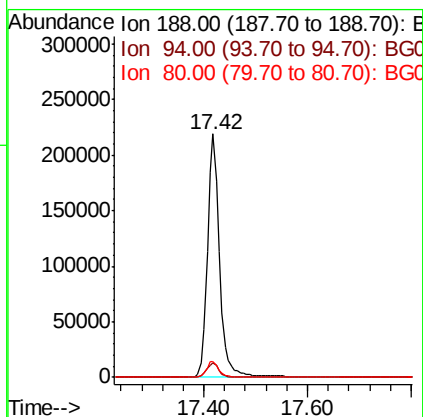
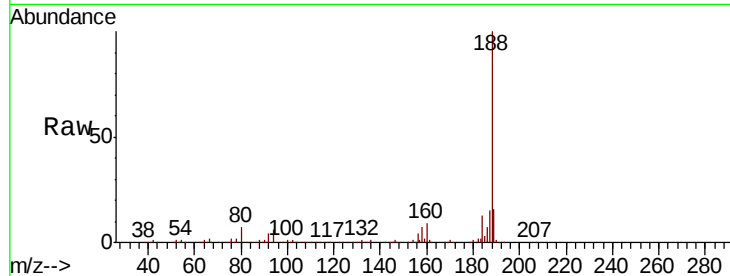




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.04 min
Lab File: BG042302.D
Acq: 18 Aug 2019 1:05

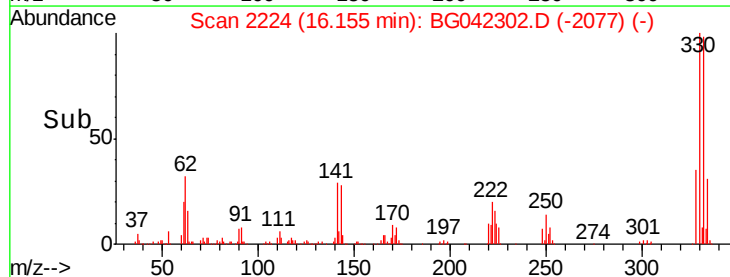
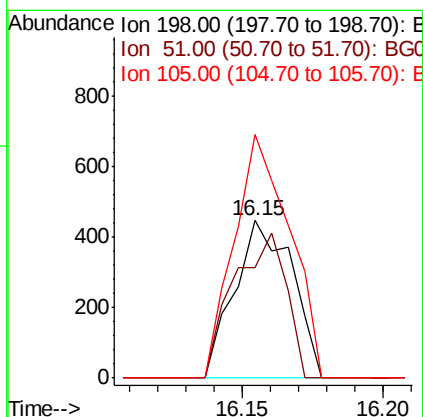
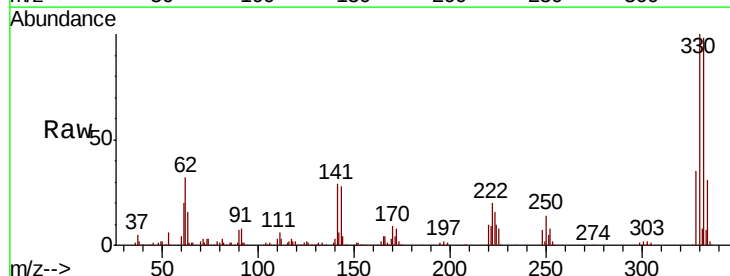
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-D-(0-3)

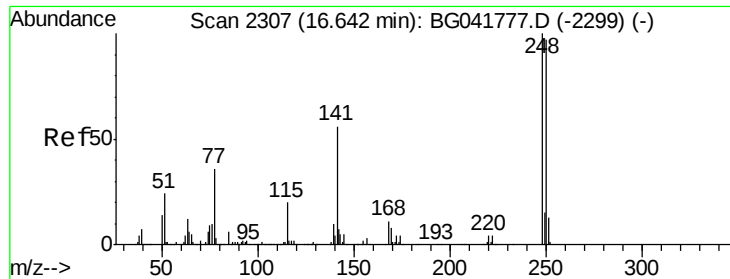
Tgt Ion:188 Resp: 361085
Ion Ratio Lower Upper
188 100
94 6.0 6.9 10.3#
80 6.6 8.0 12.0#



#65
4,6-Dinitro-2-methylphenol
Concen: 7.159 ng
RT: 16.15 min Scan# 2224
Delta R.T. 0.34 min
Lab File: BG042302.D
Acq: 18 Aug 2019 1:05

Tgt Ion:198 Resp: 633
Ion Ratio Lower Upper
198 100
51 70.2 22.3 62.3#
105 154.6 18.0 58.0#

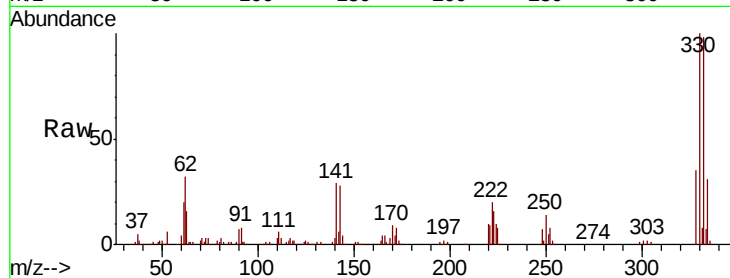




#67
 4-Bromophenyl-phenylether
 Concen: 4.979 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042302.D
 Acq: 18 Aug 2019 1:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-D-(0-3)

Tgt Ion	Ratio	Lower	Upper
248	100		
250	191.9	78.1	117.1#
141	401.5	49.6	74.4#

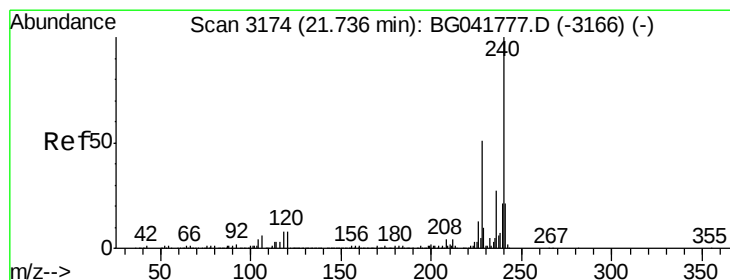
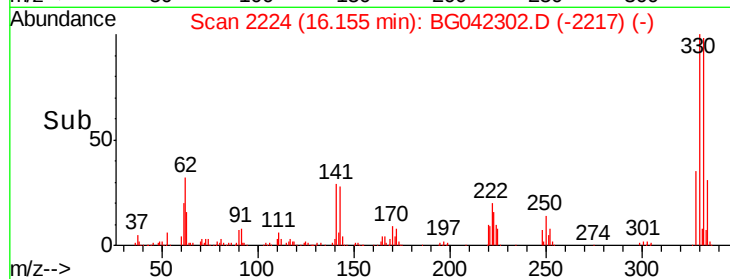
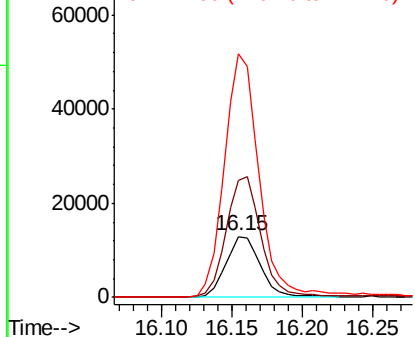


Abundance

Ion 248.00 (247.70 to 248.70): E

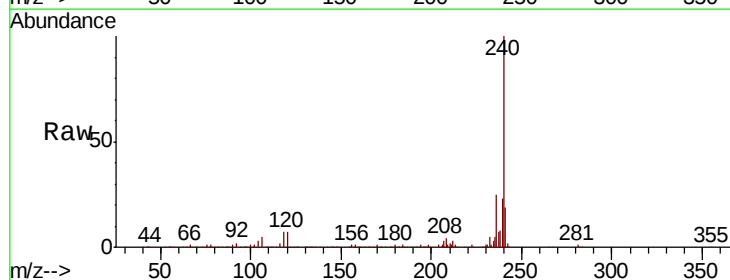
Ion 250.00 (249.70 to 250.70): E

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: BG042302.D
 Acq: 18 Aug 2019 1:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.3	8.0	12.0#
236	25.4	22.6	33.8

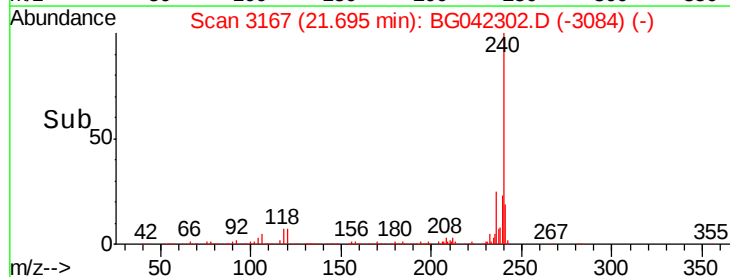
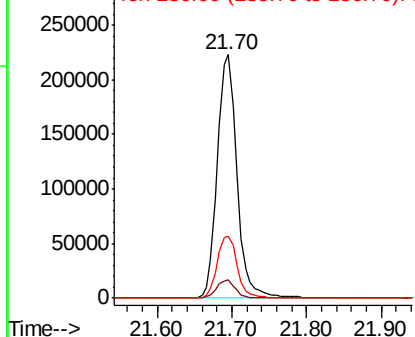


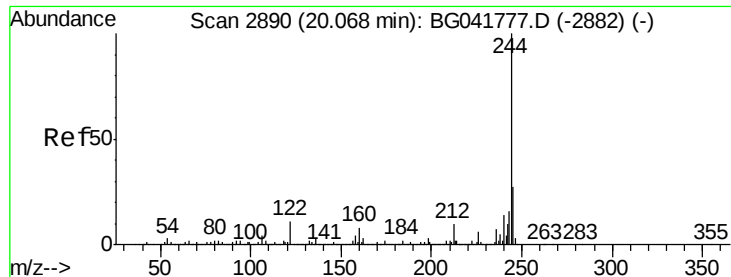
Abundance

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





#79

Terphenyl-d14

Concen: 108.589 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042302.D

Acq: 18 Aug 2019 1:05

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-D-(0-3)

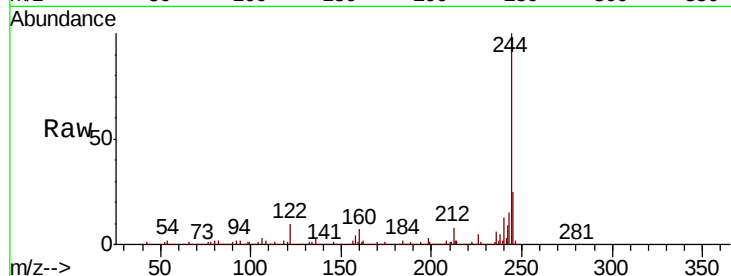
Tgt Ion:244 Resp: 1941281

Ion Ratio Lower Upper

244 100

212 8.4 9.7 14.5#

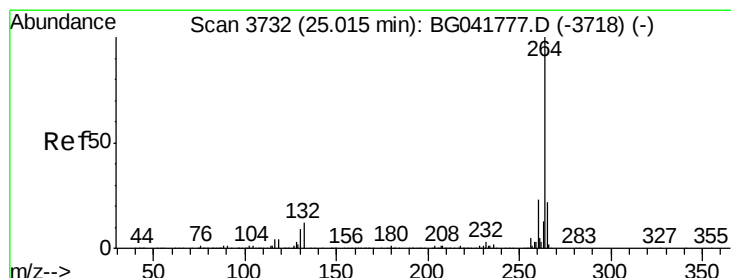
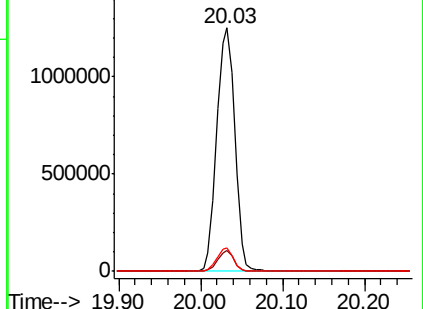
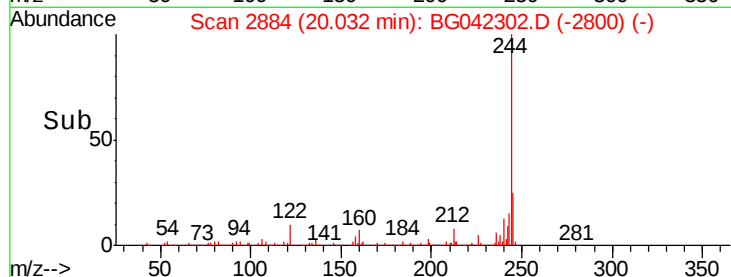
122 9.6 12.5 18.7#



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: 24.93 min Scan# 3718

Delta R.T. -0.08 min

Lab File: BG042302.D

Acq: 18 Aug 2019 1:05

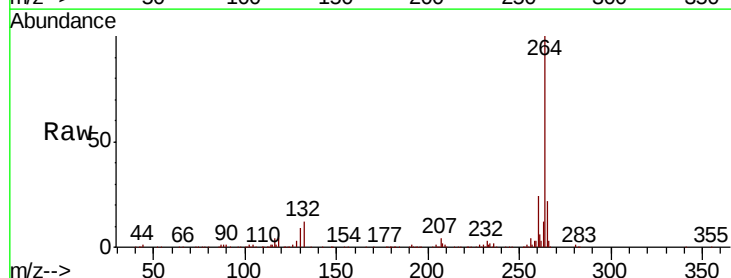
Tgt Ion:264 Resp: 456714

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 22.1 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

