

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042292.D
 Acq On : 17 Aug 2019 16:06
 Operator : HP/JU
 Sample : K4264-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(3)

Quant Time: Aug 19 05:58:14 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

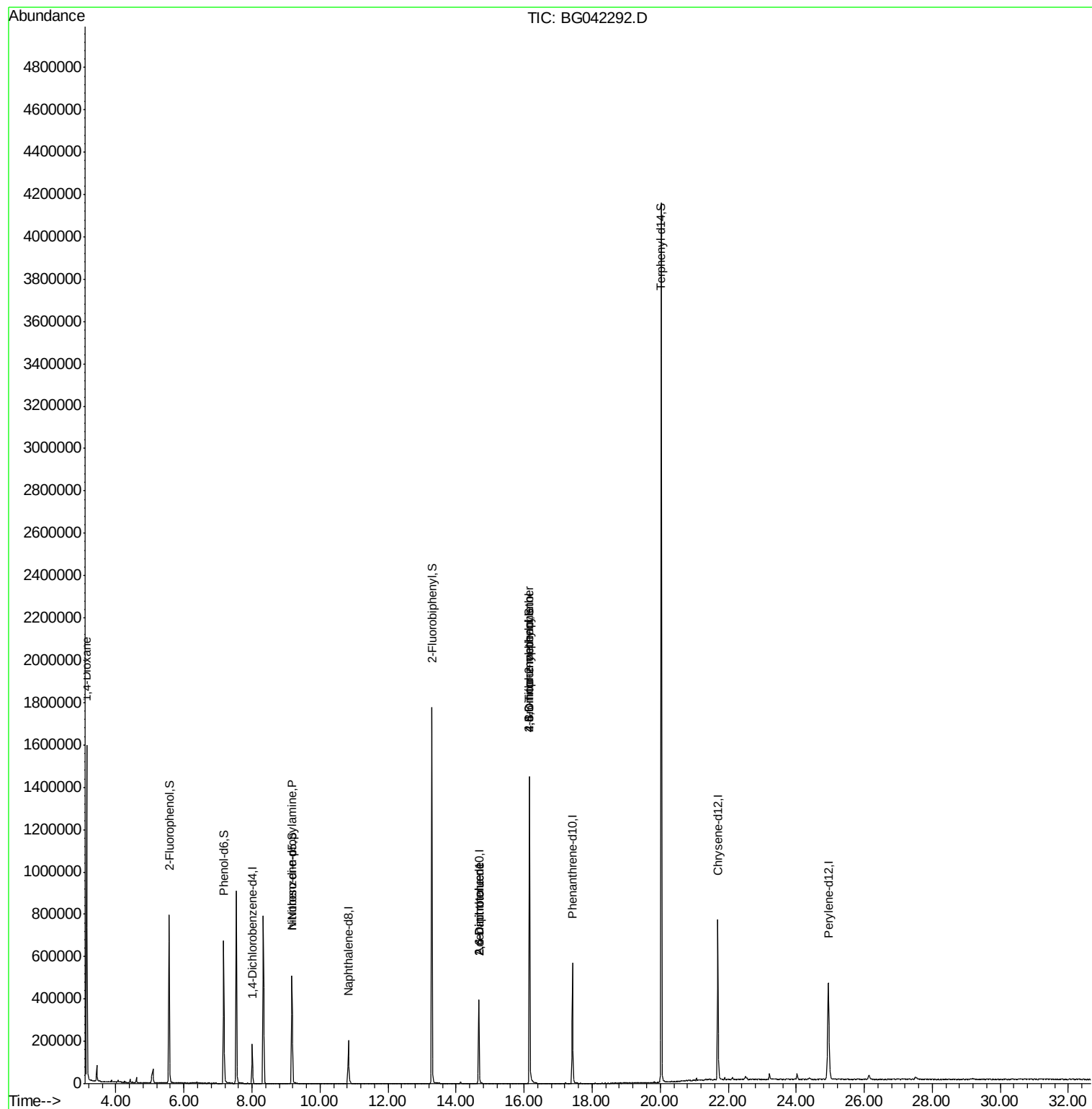
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	61217	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	228121	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	168839	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	412658	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	475603	20.00	ng	-0.04
87) Perylene-d12	24.94	264	546523	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	402281	127.85	ng	-0.03
7) Phenol-d6	7.17	99	481750	113.57	ng	-0.02
23) Nitrobenzene-d5	9.18	82	350382	105.70	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	365872	190.78	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1050120	109.70	ng	-0.04
79) Terphenyl-d14	20.03	244	2074168	99.79	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	15582	10.522	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	43587	14.153	ng	# 64
51) 2,6-Dinitrotoluene	14.66	165	21888	9.078	ng	# 25
57) 2,4-Dinitrotoluene	14.66	165	21888	6.601	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.16	198	673	7.138	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	25870	5.089	ng	# 1

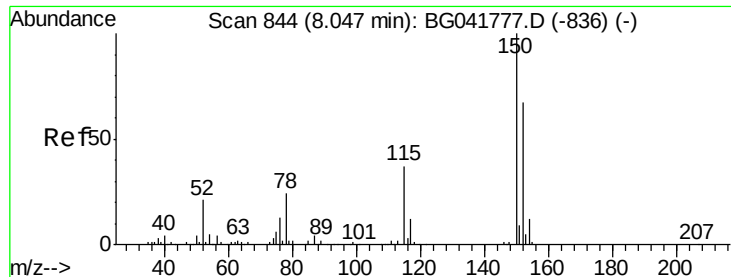
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
Data File : BG042292.D
Acq On : 17 Aug 2019 16:06
Operator : HP/JU
Sample : K4264-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-C1-C4-(3)

Quant Time: Aug 19 05:58:14 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.04 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(3)

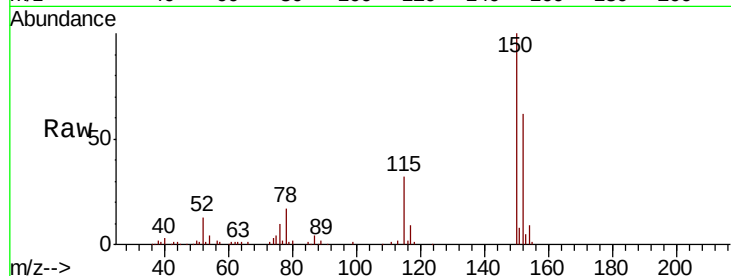
Tgt Ion:152 Resp: 61217

Ion Ratio Lower Upper

152 100

150 162.1 126.9 190.3

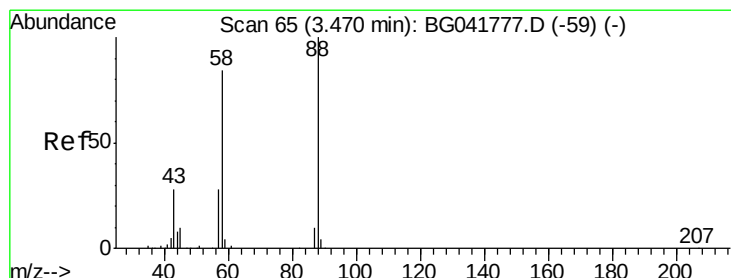
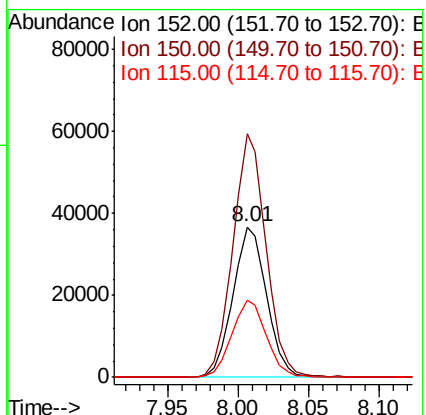
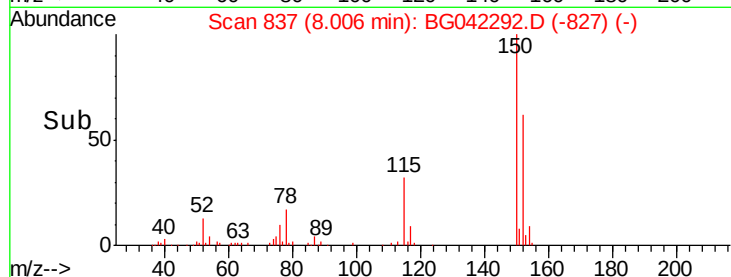
115 51.2 45.0 67.6



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: 10.522 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

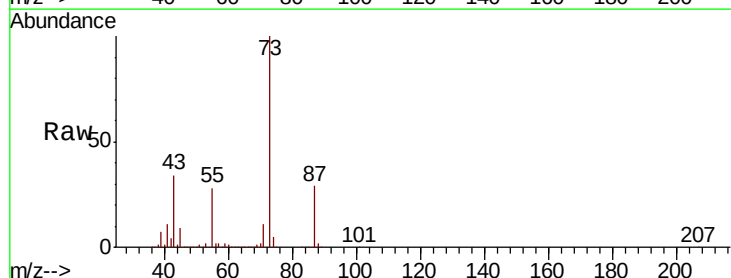
Tgt Ion: 88 Resp: 15582

Ion Ratio Lower Upper

88 100

58 22.7 76.2 114.2#

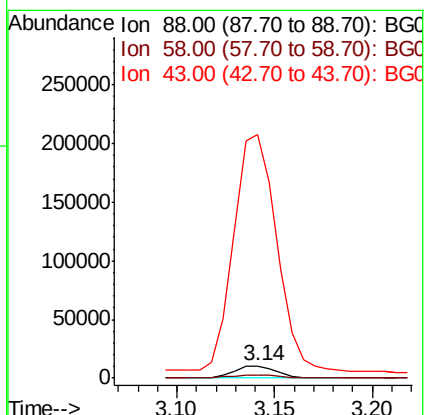
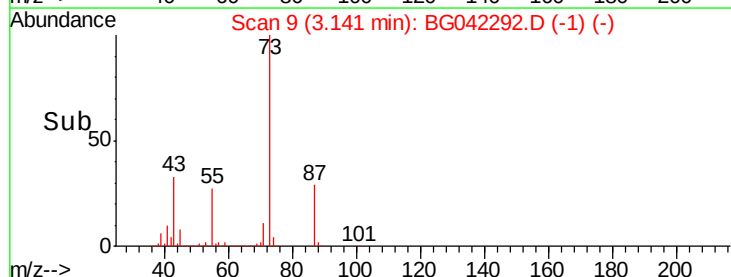
43 2055.0 27.2 40.8#

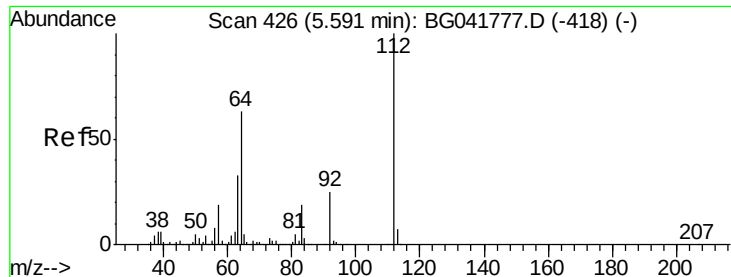


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 127.854 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(3)

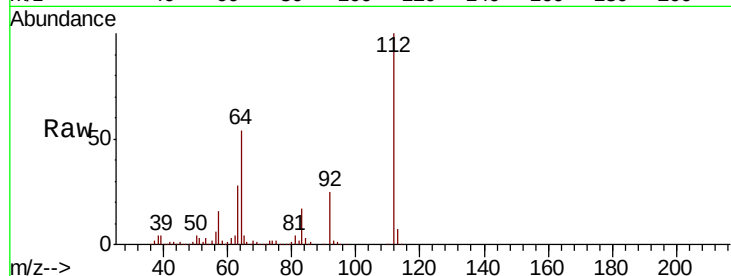
Tgt Ion: 112 Resp: 402281

Ion Ratio Lower Upper

112 100

64 54.4 55.4 83.2#

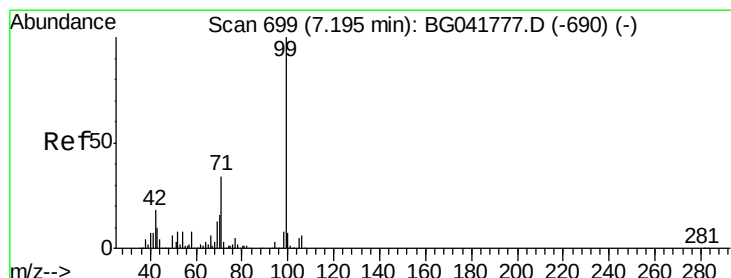
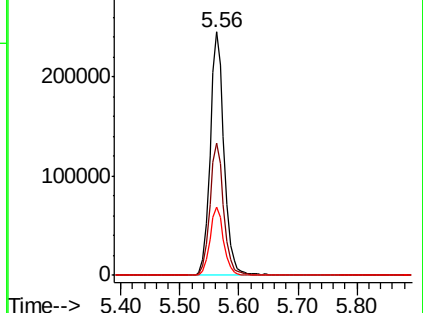
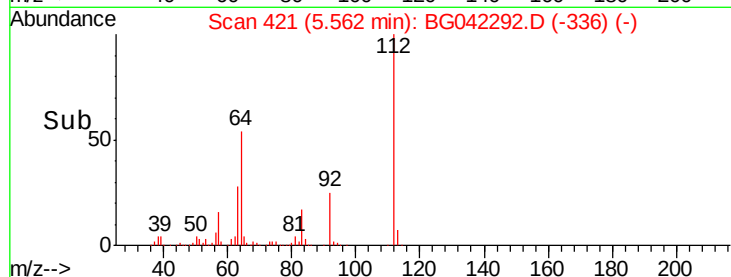
63 28.2 29.1 43.7#



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: 113.571 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

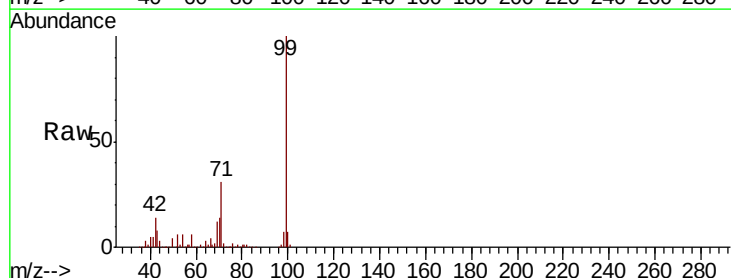
Tgt Ion: 99 Resp: 481750

Ion Ratio Lower Upper

99 100

42 13.6 17.6 26.4#

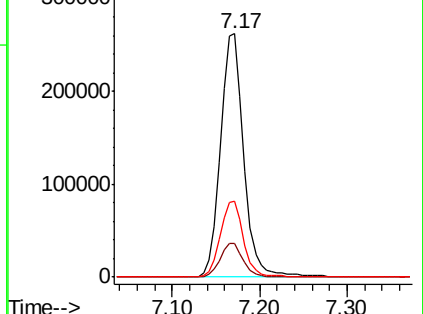
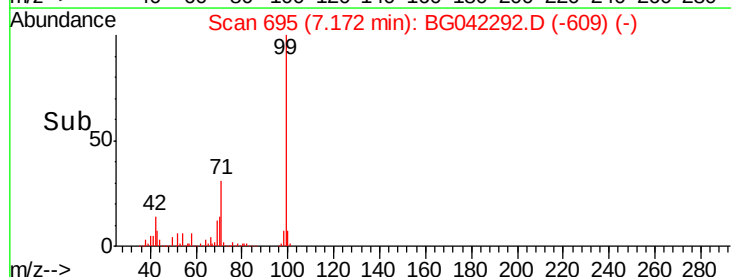
71 31.2 27.8 41.6

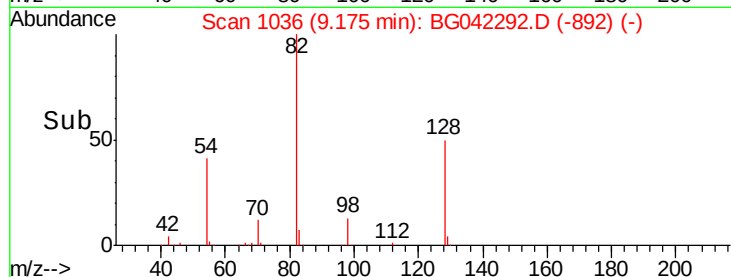
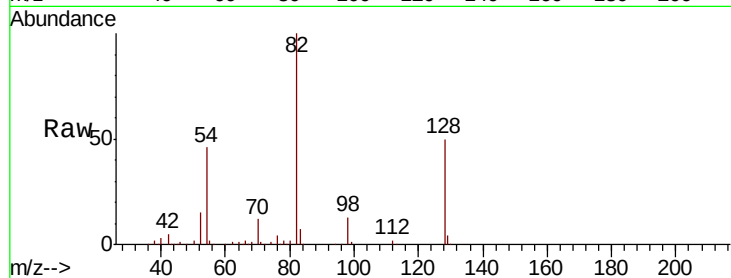
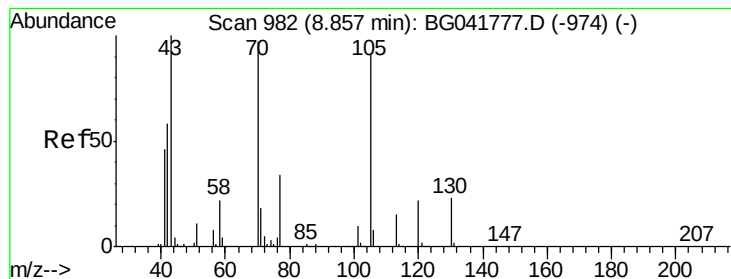


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.153 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(3)

Tgt Ion: 70 Resp: 43587

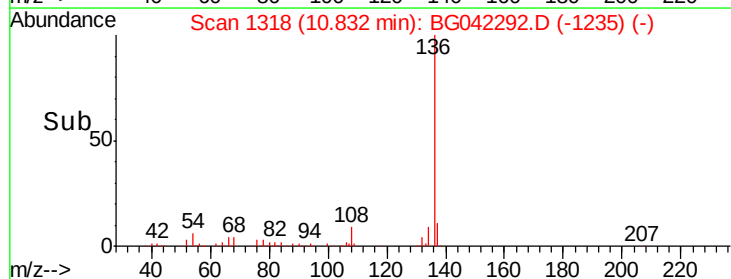
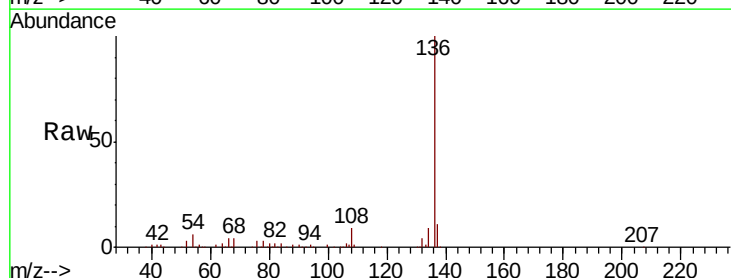
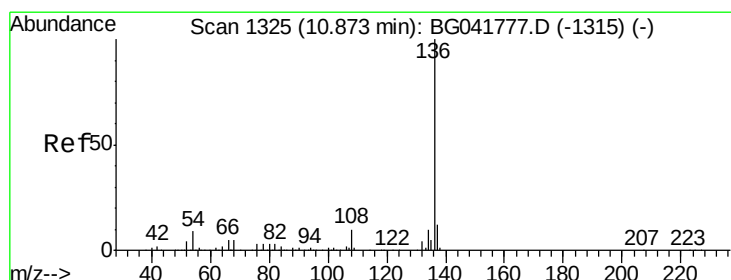
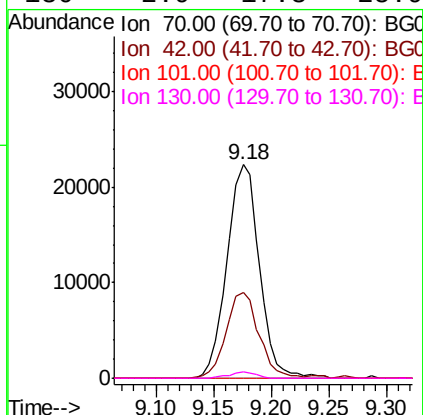
Ion Ratio Lower Upper

70 100

42 40.1 55.8 83.6#

101 0.0 8.1 12.1#

130 2.9 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: BG042292.D

Acq: 17 Aug 2019 16:06

Tgt Ion: 136 Resp: 228121

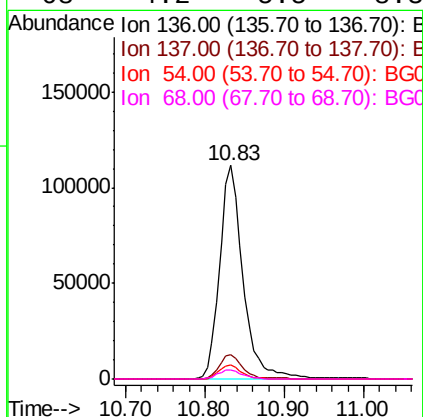
Ion Ratio Lower Upper

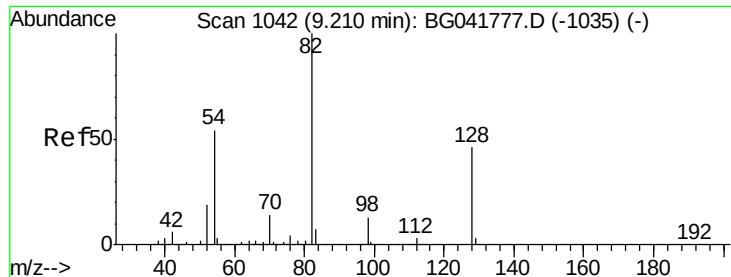
136 100

137 11.1 9.2 13.8

54 6.5 8.7 13.1#

68 4.2 5.5 8.3#

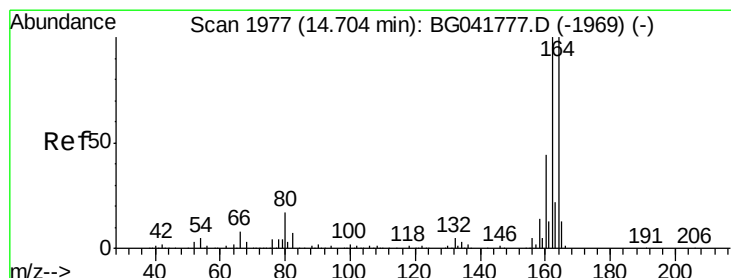
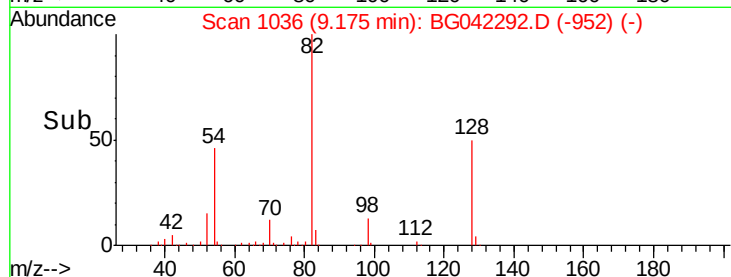
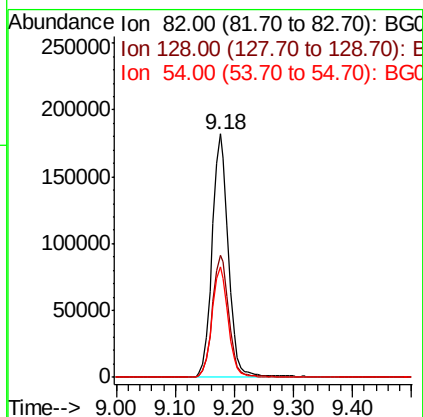
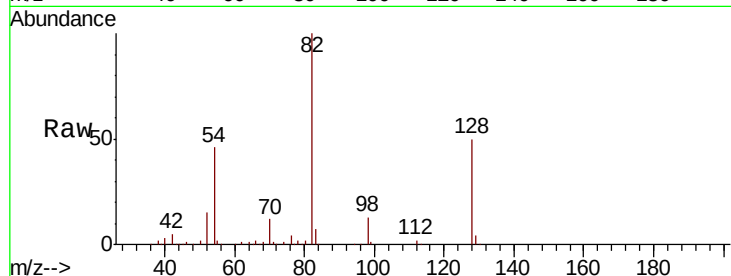




#23
 Nitrobenzene-d5
 Concen: 105.698 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.03 min
 Lab File: BG042292.D
 Acq: 17 Aug 2019 16:06

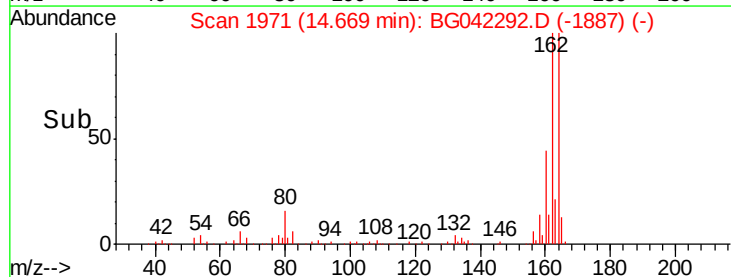
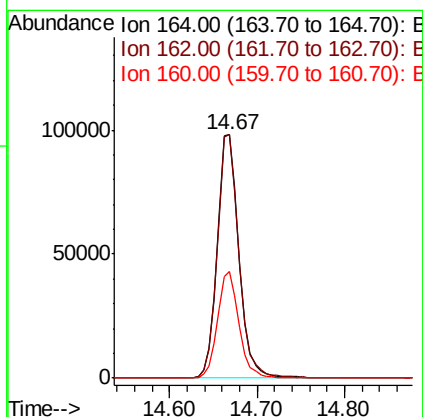
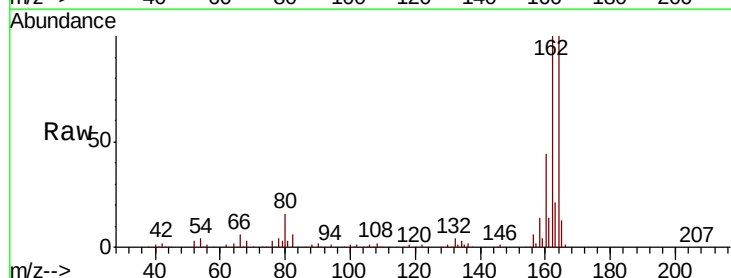
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(3)

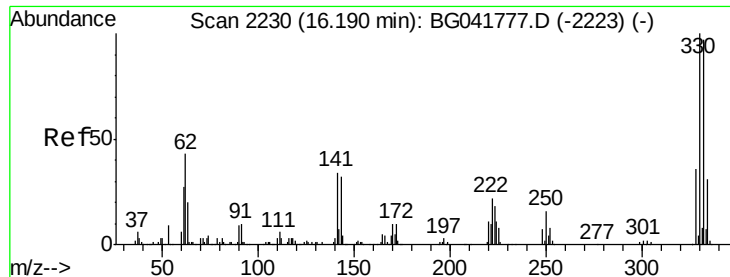
Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.0	35.1	52.7
54	45.6	48.7	73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.03 min
 Lab File: BG042292.D
 Acq: 17 Aug 2019 16:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.6	119.4
160	43.8	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 190.779 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.03 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(3)

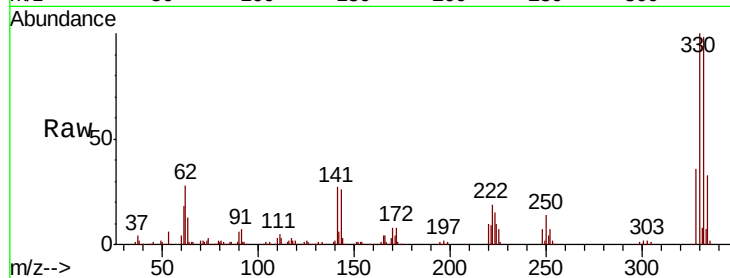
Tgt Ion:330 Resp: 365872

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

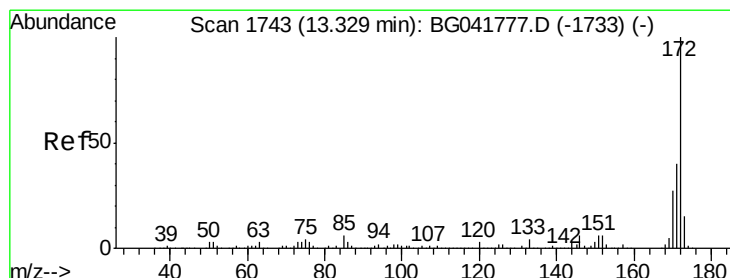
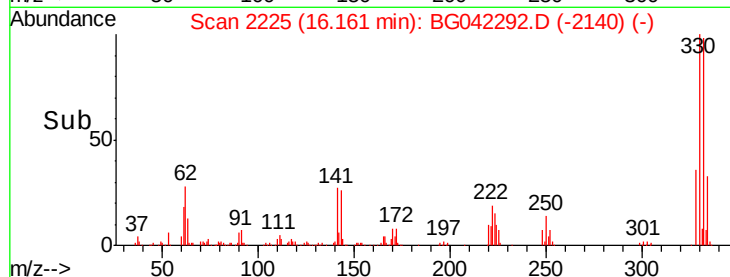
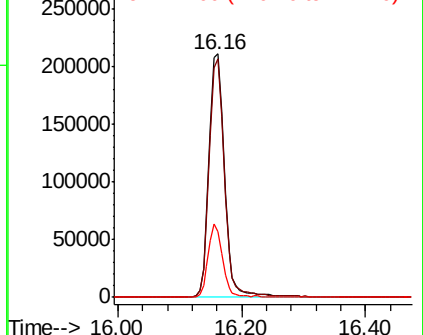
141 28.2 31.9 47.9#



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: 109.697 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.04 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

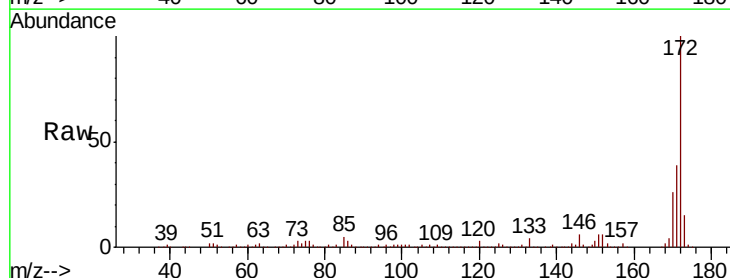
Tgt Ion:172 Resp: 1050120

Ion Ratio Lower Upper

172 100

171 38.6 35.0 52.4

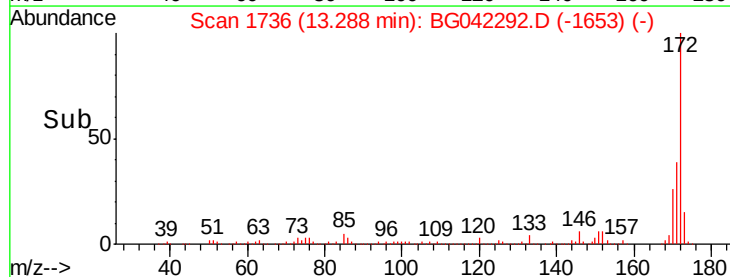
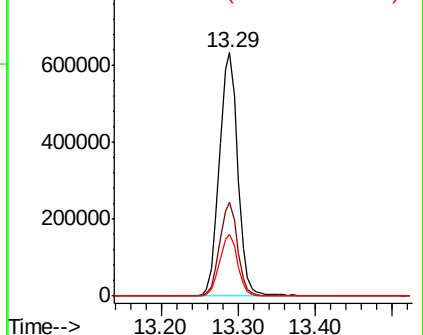
170 25.5 23.5 35.3

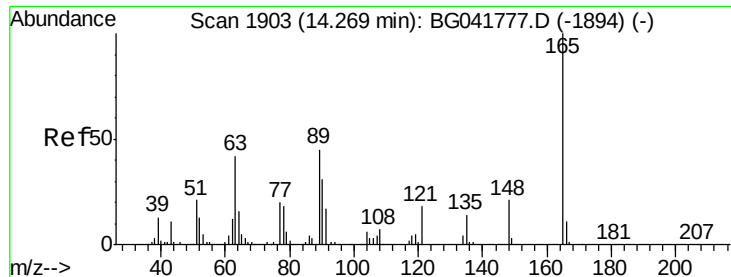


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

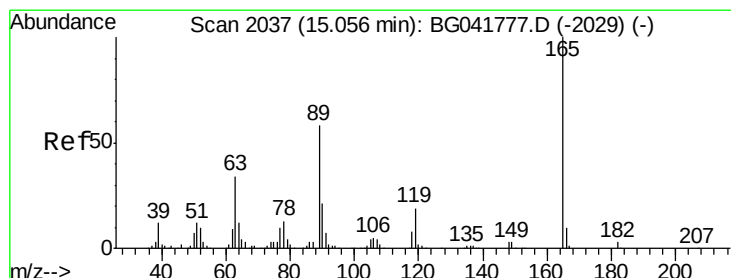
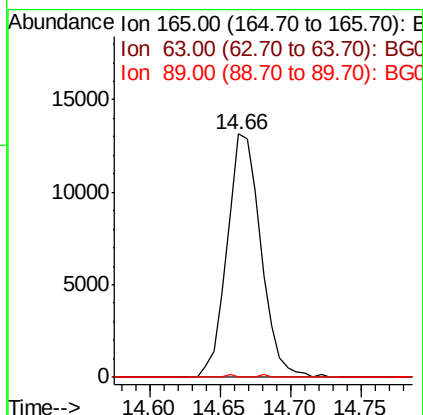
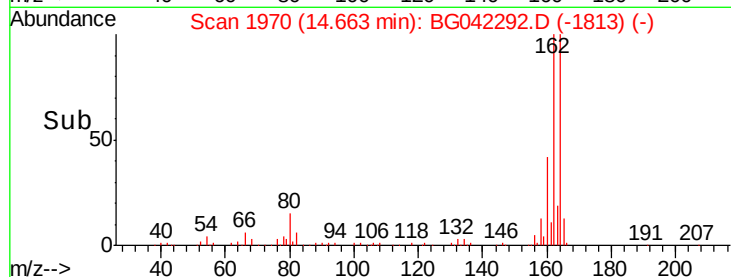
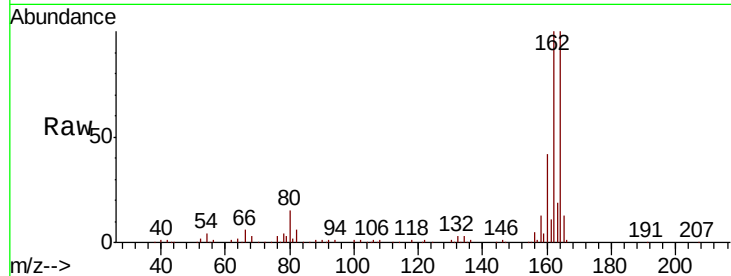




#51
 2,6-Dinitrotoluene
 Concen: 9.078 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.39 min
 Lab File: BG042292.D
 Acq: 17 Aug 2019 16:06

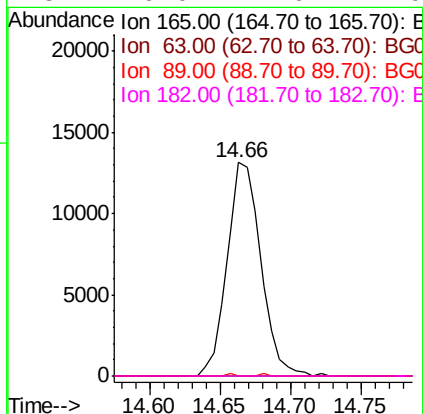
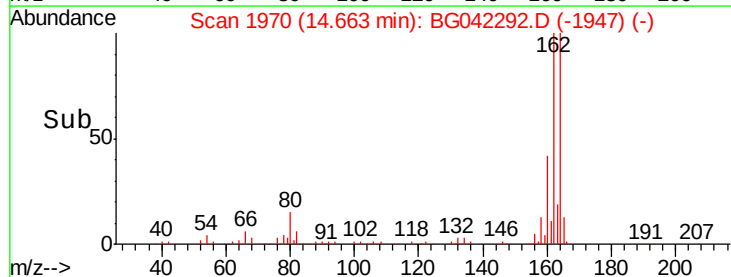
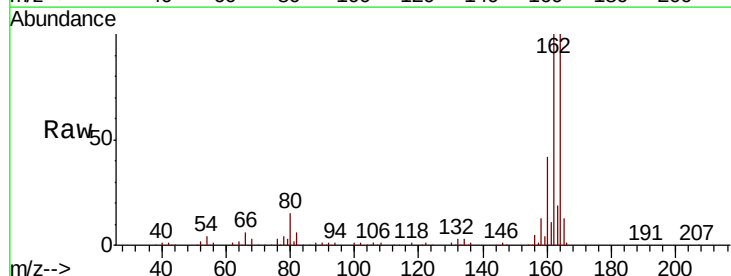
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(3)

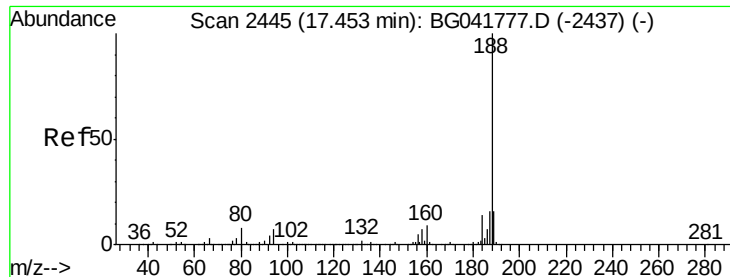
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	0.0	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.601 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042292.D
 Acq: 17 Aug 2019 16:06

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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.03 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(3)

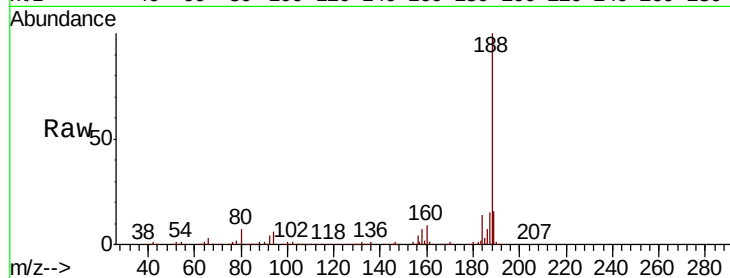
Tgt Ion:188 Resp: 412658

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

80 6.8 8.0 12.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

300000

200000

100000

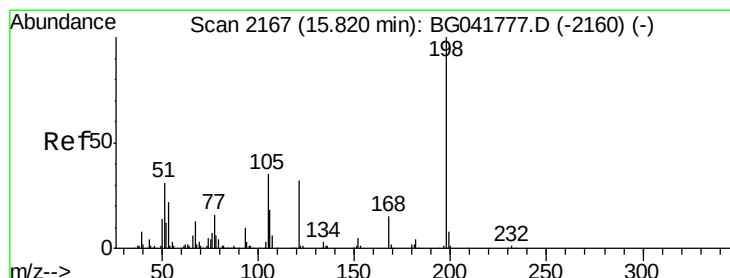
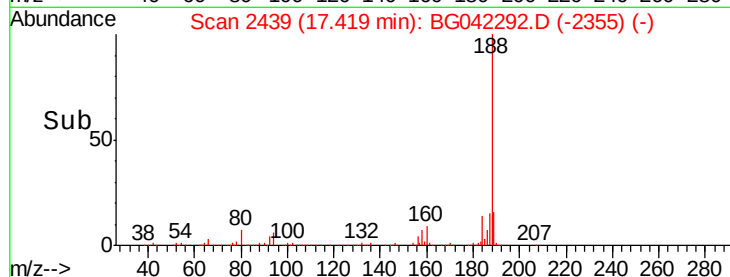
0

17.42

17.40

17.50

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.138 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.34 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

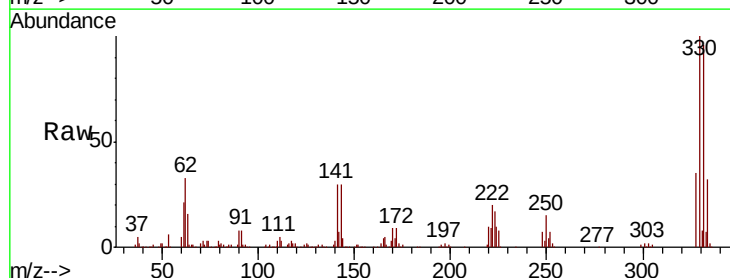
Tgt Ion:198 Resp: 673

Ion Ratio Lower Upper

198 100

51 99.6 22.3 62.3#

105 134.4 18.0 58.0#



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

1000

800

600

400

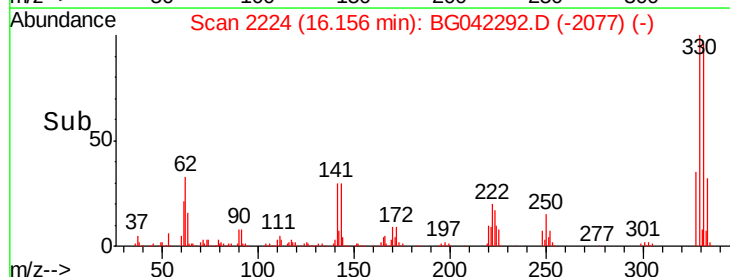
200

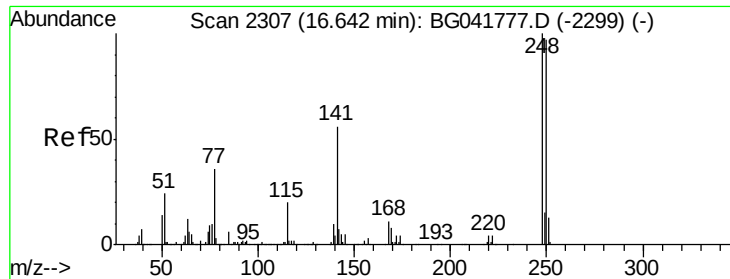
0

16.16

16.15

Time-->

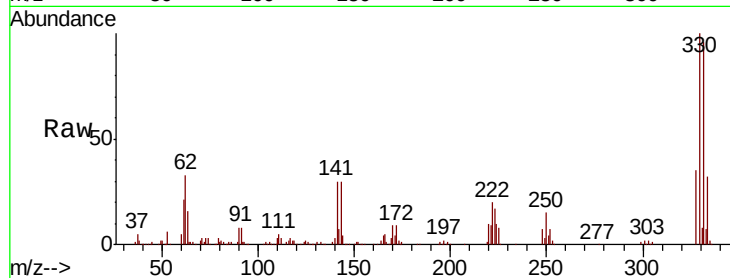




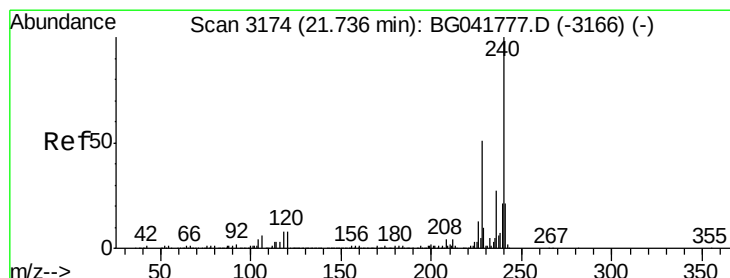
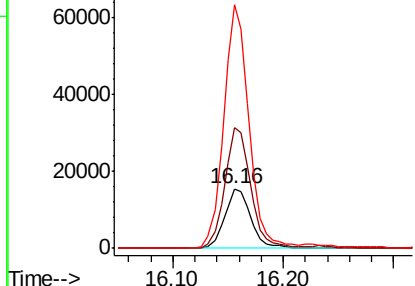
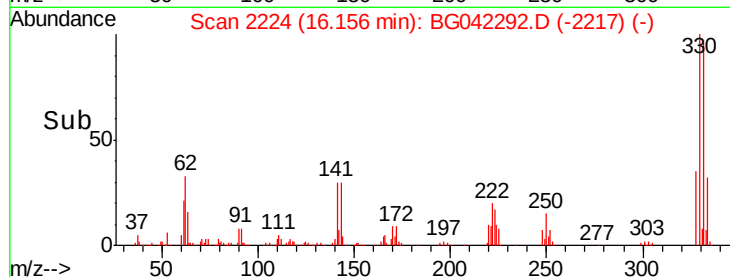
#67
 4-Bromophenyl-phenylether
 Concen: 5.089 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042292.D
 Acq: 17 Aug 2019 16:06

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-C1-C4-(3)

Tgt Ion:248 Resp: 25870
 Ion Ratio Lower Upper
 248 100
 250 204.0 78.1 117.1#
 141 410.4 49.6 74.4#

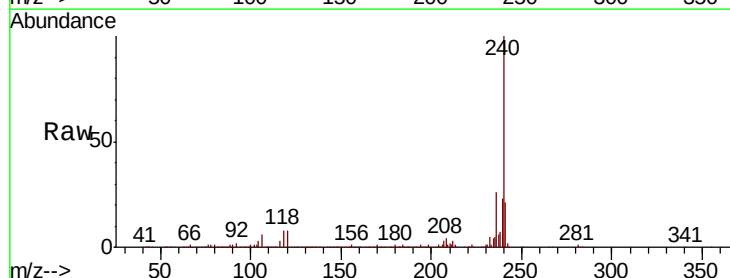


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

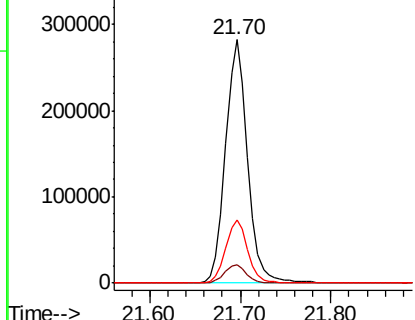
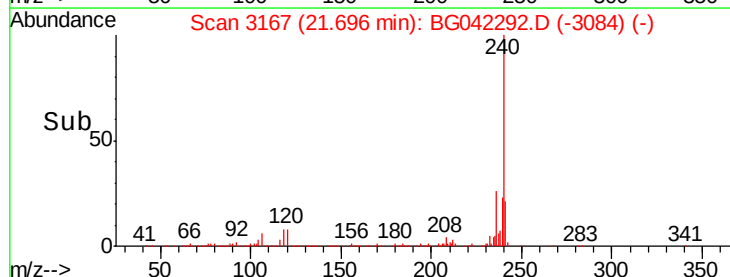


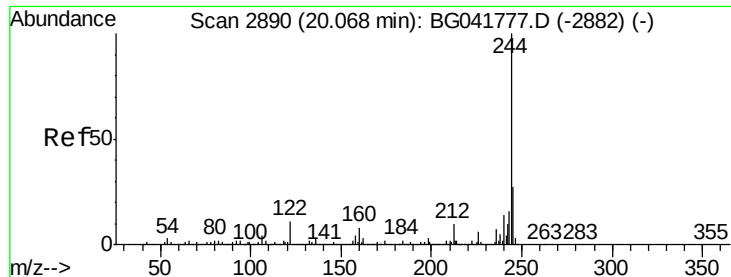
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042292.D
 Acq: 17 Aug 2019 16:06

Tgt Ion:240 Resp: 475603
 Ion Ratio Lower Upper
 240 100
 120 7.7 8.0 12.0#
 236 26.0 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: 99.794 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042292.D

Acq: 17 Aug 2019 16:06

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-C1-C4-(3)

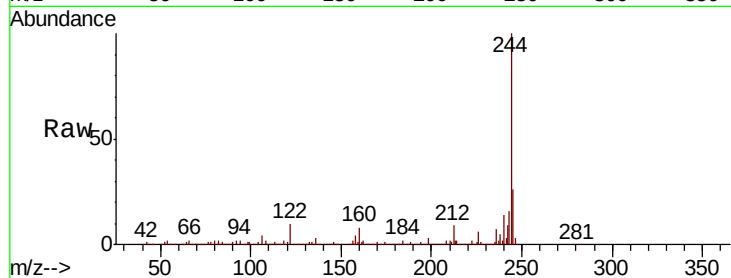
Tgt Ion:244 Resp: 2074168

Ion Ratio Lower Upper

244 100

212 9.1 9.7 14.5#

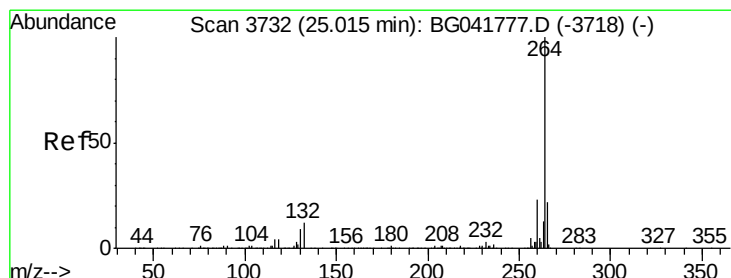
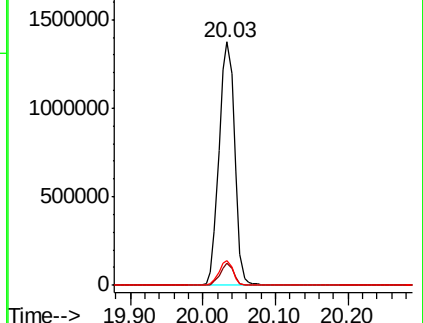
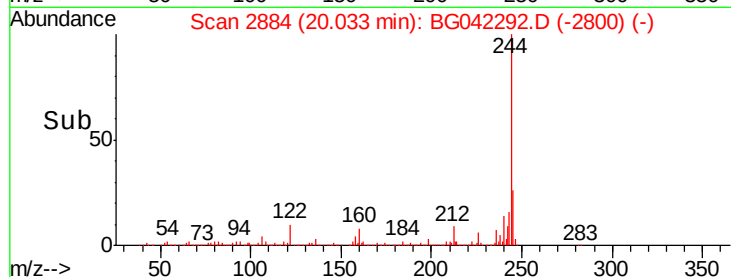
122 10.4 12.5 18.7#



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: BG042292.D

Acq: 17 Aug 2019 16:06

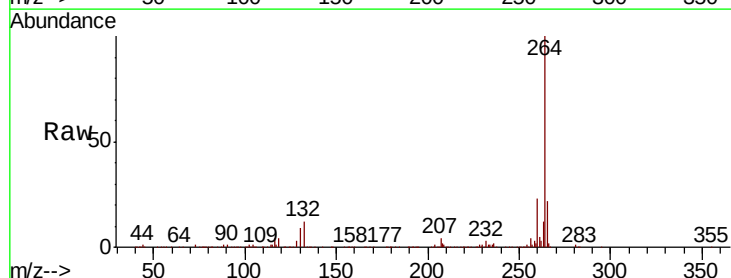
Tgt Ion:264 Resp: 546523

Ion Ratio Lower Upper

264 100

260 23.2 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

