

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042308.D
 Acq On : 18 Aug 2019 4:56
 Operator : HP/JU
 Sample : K4277-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-20

Quant Time: Aug 19 05:59:34 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

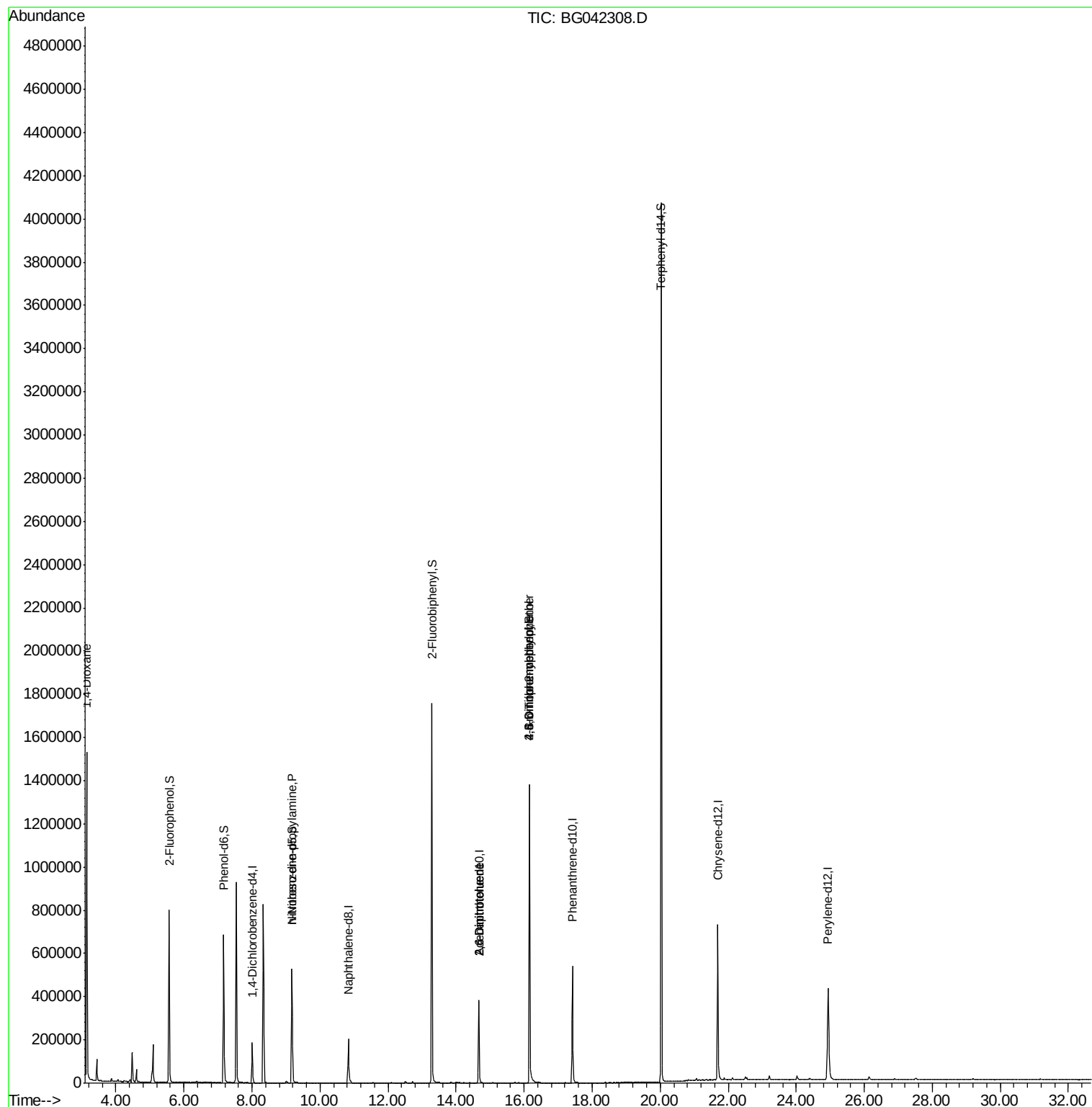
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	63256	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	234102	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	166915	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	403149	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	463789	20.00	ng	-0.04
87) Perylene-d12	24.94	264	516923	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	399370	122.84	ng	-0.03
7) Phenol-d6	7.17	99	477436	108.93	ng	-0.03
23) Nitrobenzene-d5	9.18	82	354456	104.20	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	344308	181.60	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1071491	113.22	ng	-0.04
79) Terphenyl-d14	20.03	244	2039717	100.64	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.14	88	14212	9.287	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	44322	13.928	ng	# 64
51) 2,6-Dinitrotoluene	14.67	165	21222	8.903	ng	# 26
57) 2,4-Dinitrotoluene	14.67	165	21222	6.474	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.16	198	781	7.192	ng	# 42
67) 4-Bromophenyl-phenylether	16.16	248	23990	4.831	ng	# 1

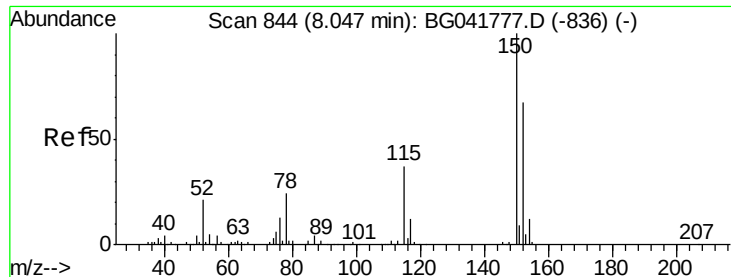
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG042308.D

Acq: 18 Aug 2019 4:56

Instrument :

BNA_G

ClientSampleId :

TP-20

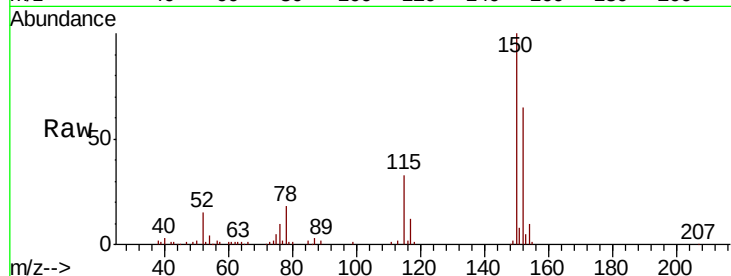
Tgt Ion:152 Resp: 63256

Ion Ratio Lower Upper

152 100

150 153.4 126.9 190.3

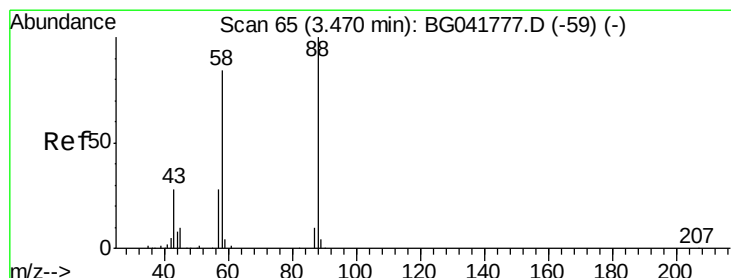
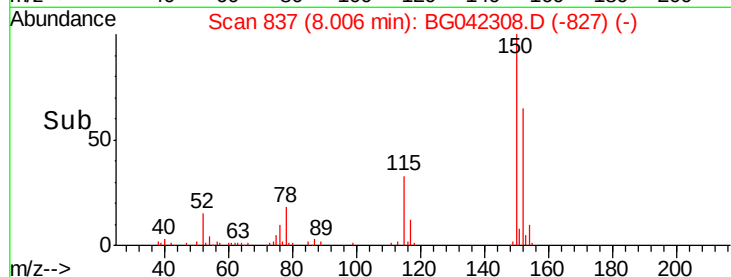
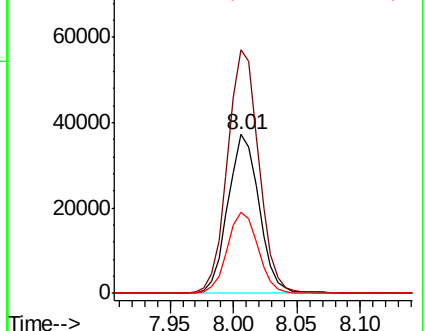
115 50.9 45.0 67.6



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: 9.287 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042308.D

Acq: 18 Aug 2019 4:56

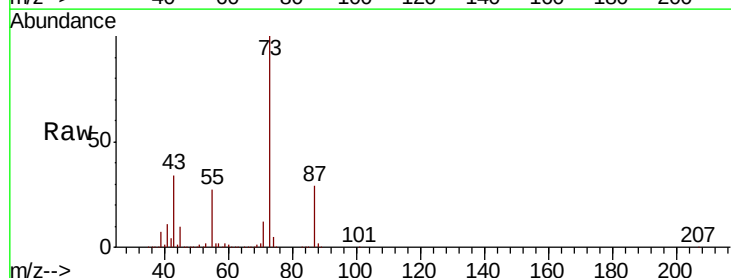
Tgt Ion: 88 Resp: 14212

Ion Ratio Lower Upper

88 100

58 26.2 76.2 114.2#

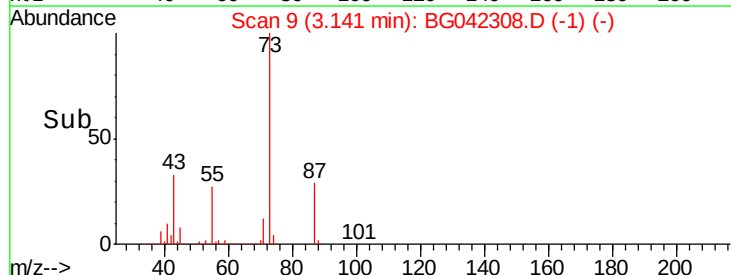
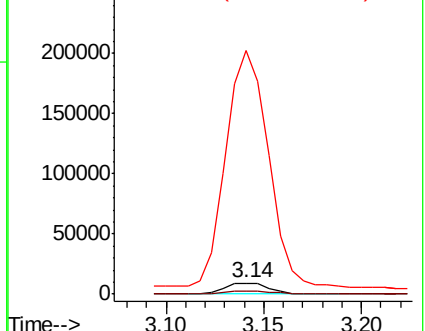
43 2182.2 27.2 40.8#

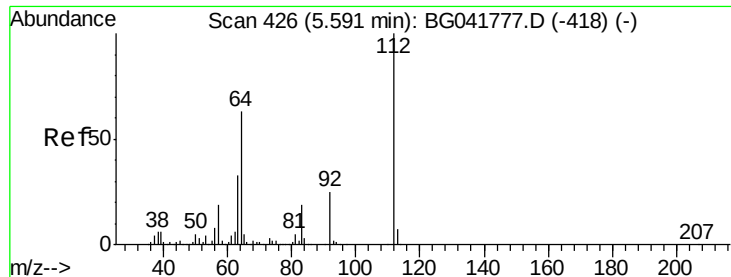


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 122.838 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042308.D

Acq: 18 Aug 2019 4:56

Instrument :

BNA_G

ClientSampleId :

TP-20

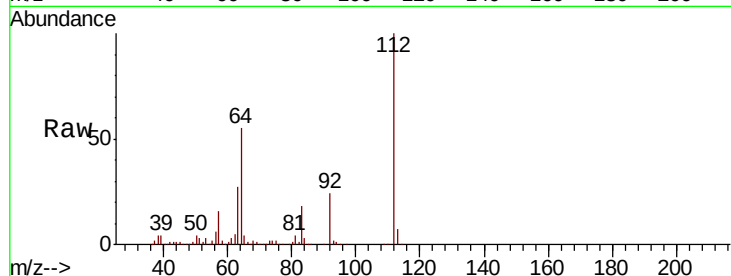
Tgt Ion:112 Resp: 399370

Ion Ratio Lower Upper

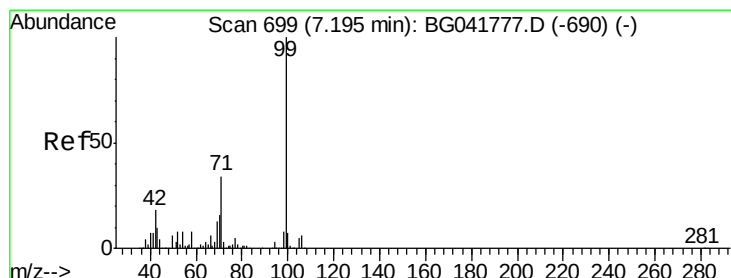
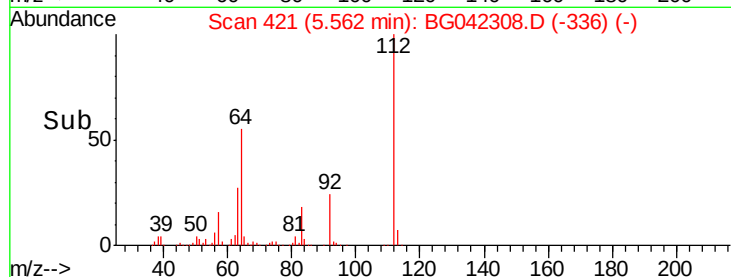
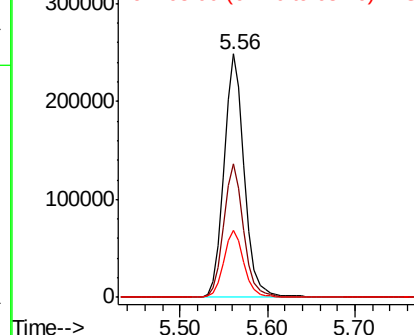
112 100

64 54.7 55.4 83.2#

63 27.3 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: 108.926 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042308.D

Acq: 18 Aug 2019 4:56

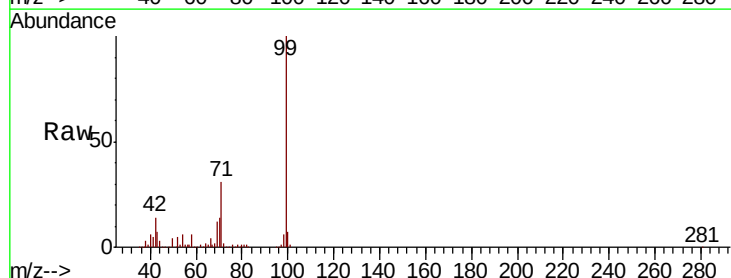
Tgt Ion: 99 Resp: 477436

Ion Ratio Lower Upper

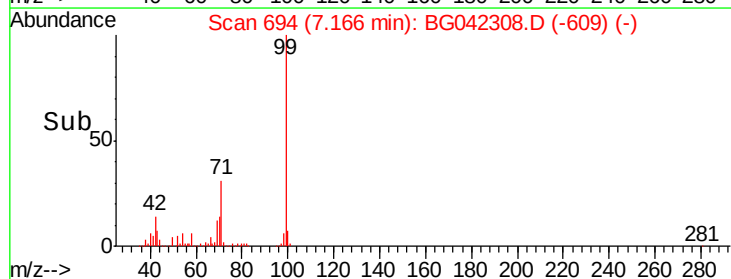
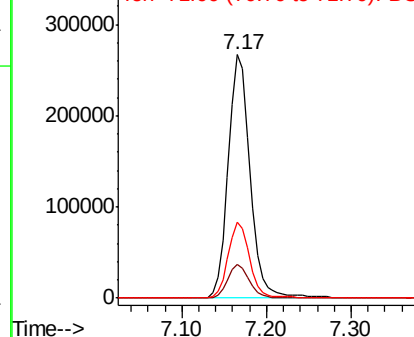
99 100

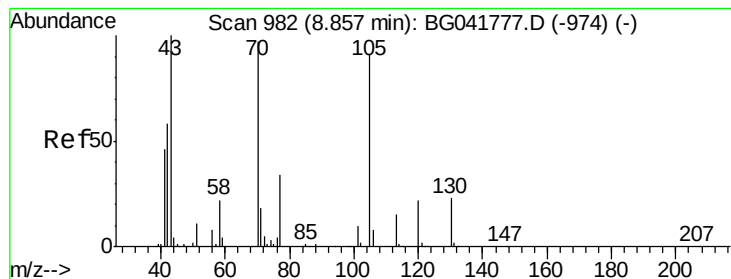
42 14.0 17.6 26.4#

71 31.4 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: 13.928 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042308.D

Acq: 18 Aug 2019 4:56

Instrument :

BNA_G

ClientSampleId :

TP-20

Tgt Ion: 70 Resp: 44322

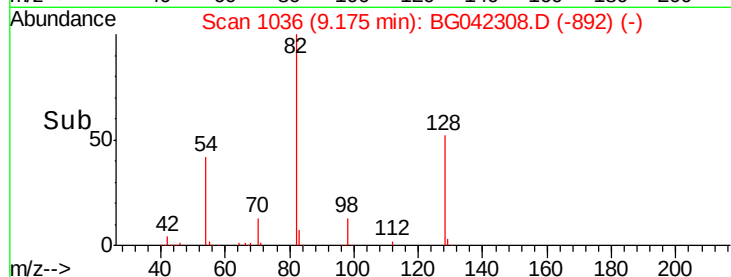
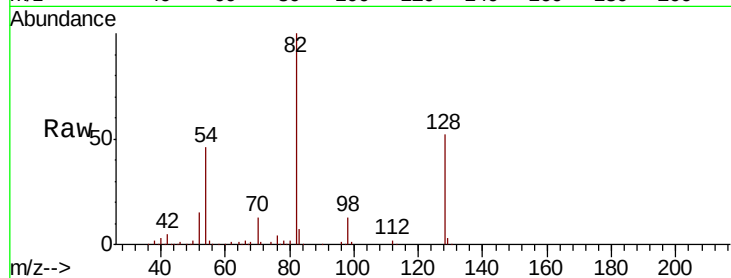
Ion Ratio Lower Upper

70 100

42 39.4 55.8 83.6#

101 0.0 8.1 12.1#

130 3.1 17.3 25.9#

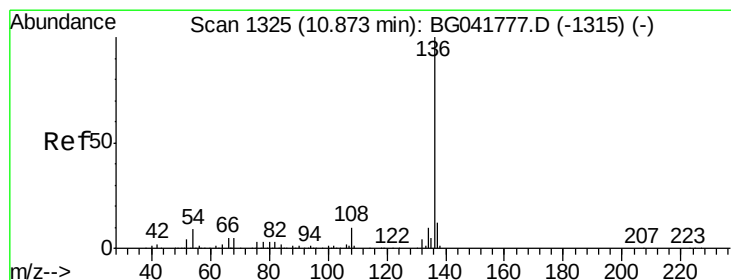
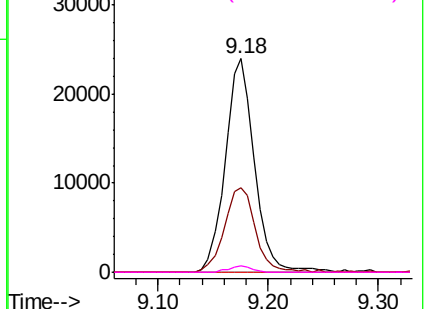


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.04 min

Lab File: BG042308.D

Acq: 18 Aug 2019 4:56

Tgt Ion: 136 Resp: 234102

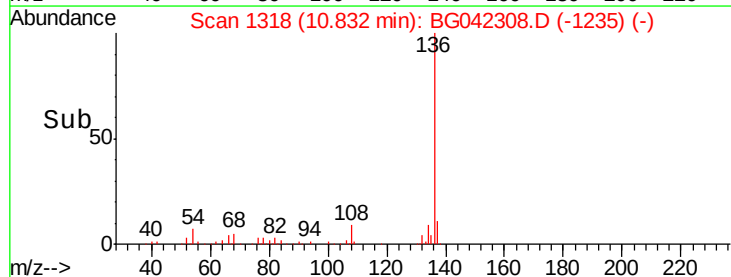
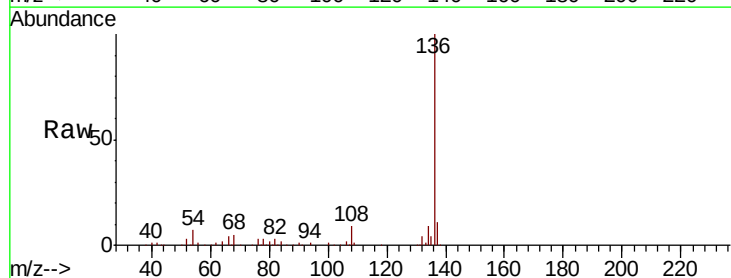
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 6.6 8.7 13.1#

68 4.9 5.5 8.3#

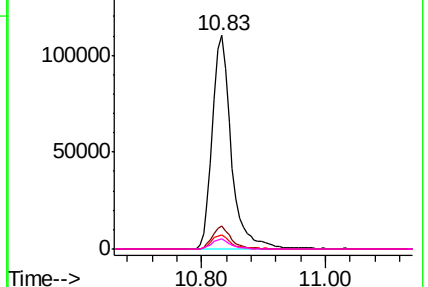


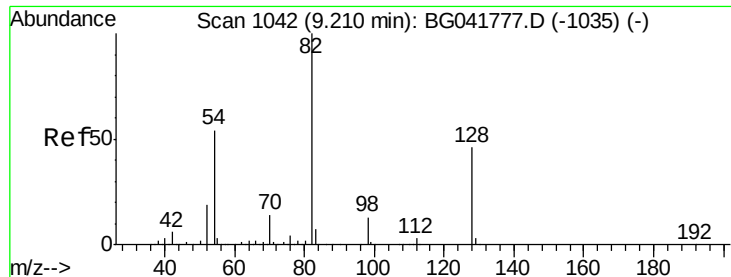
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

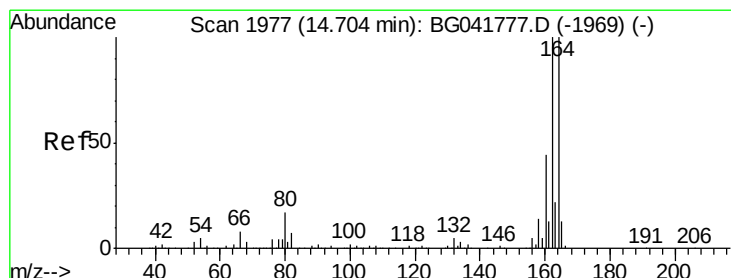
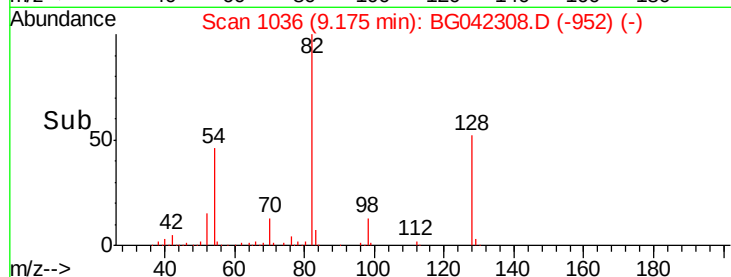
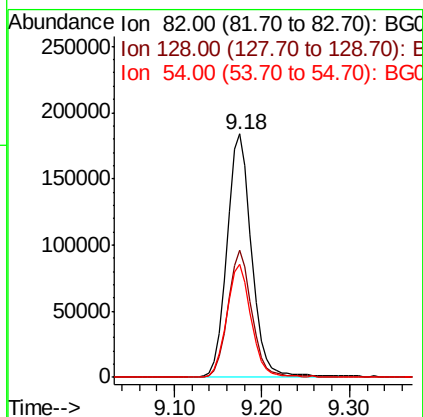
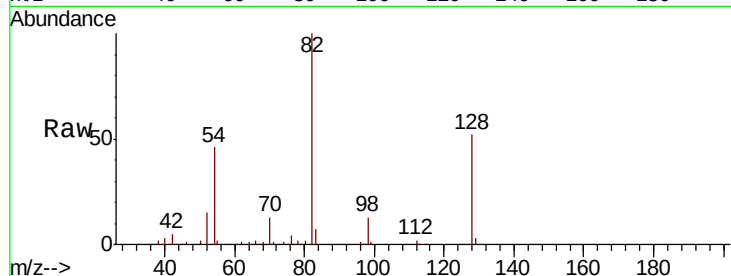




#23
 Nitrobenzene-d5
 Concen: 104.195 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.03 min
 Lab File: BG042308.D
 Acq: 18 Aug 2019 4:56

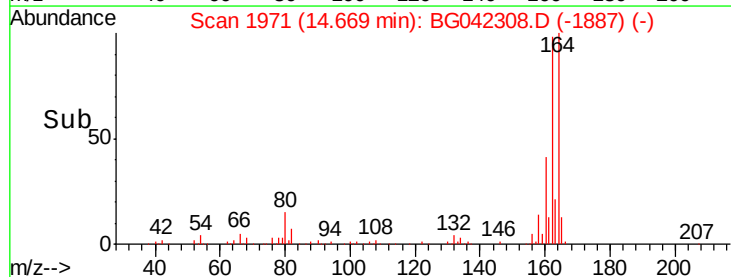
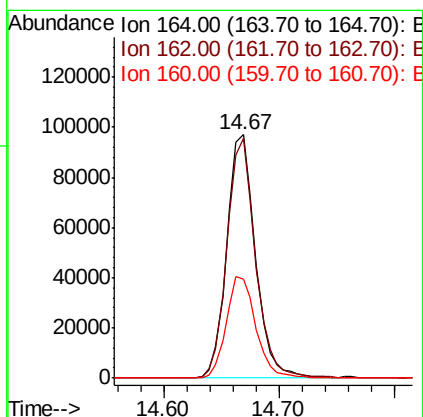
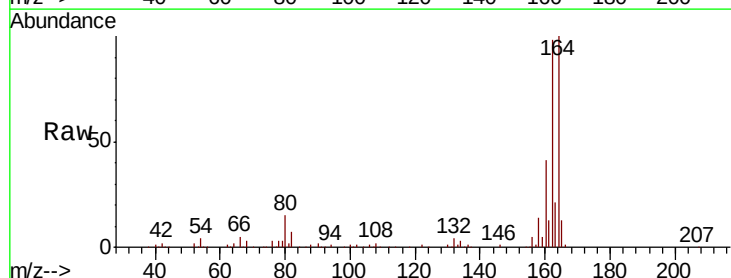
Instrument :
 BNA_G
 ClientSampled :
 TP-20

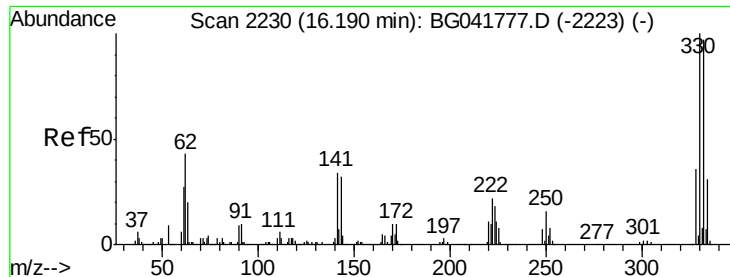
Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.3	35.1	52.7
54	46.2	48.7	73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.03 min
 Lab File: BG042308.D
 Acq: 18 Aug 2019 4:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	79.6	119.4
160	40.9	35.4	53.0

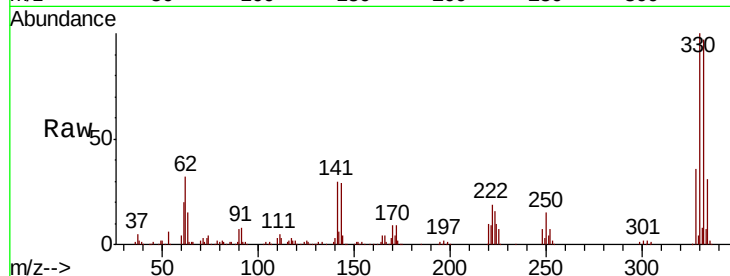




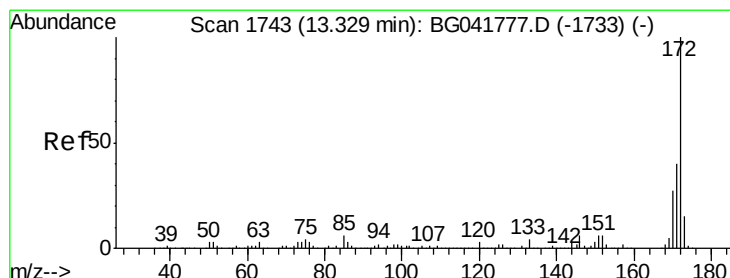
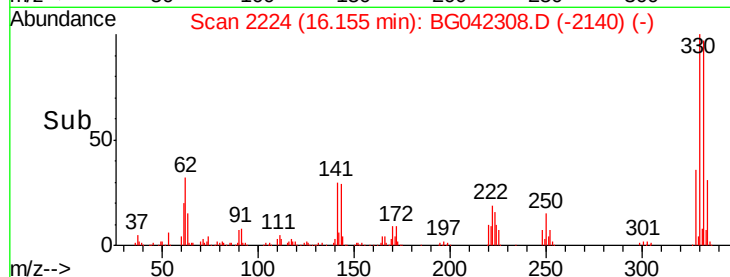
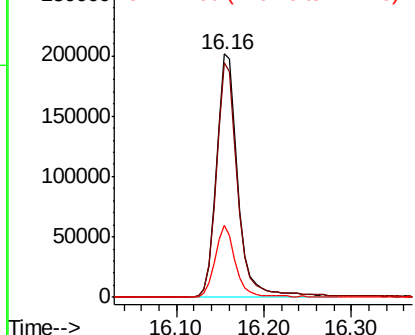
#42
 2,4,6-Tribromophenol
 Concen: 181.604 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.03 min
 Lab File: BG042308.D
 Acq: 18 Aug 2019 4:56

Instrument :
 BNA_G
 ClientSampled :
 TP-20

Tgt Ion:330 Resp: 344308
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.0
 141 28.5 31.9 47.9#

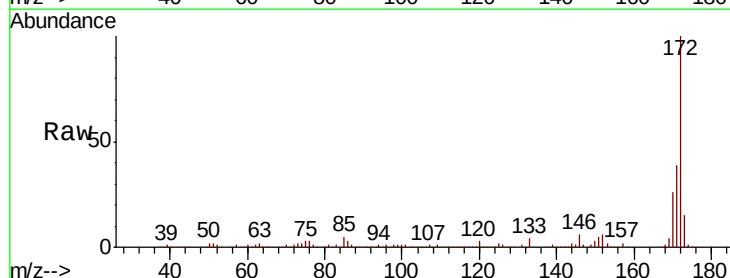


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

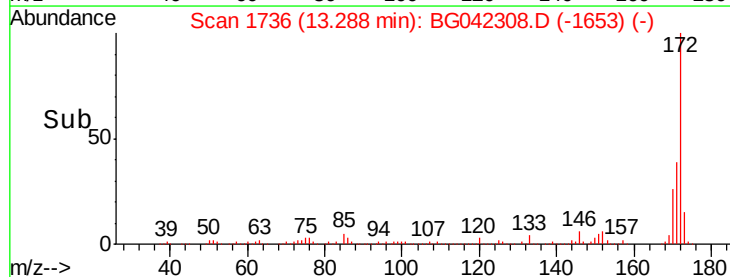
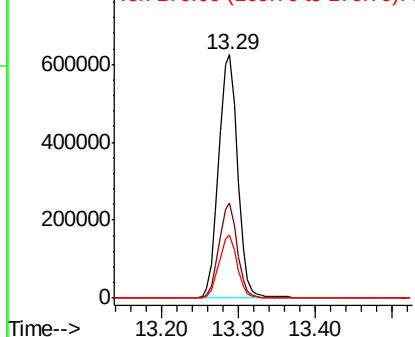


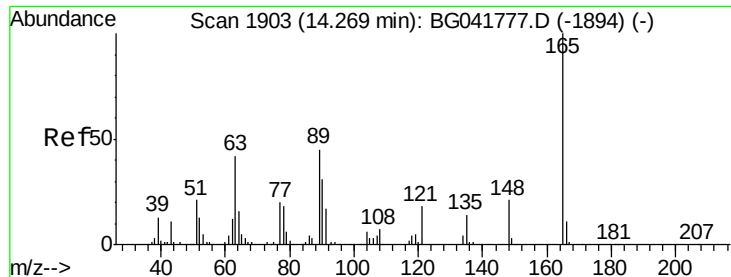
#45
 2-Fluorobiphenyl
 Concen: 113.220 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042308.D
 Acq: 18 Aug 2019 4:56

Tgt Ion:172 Resp: 1071491
 Ion Ratio Lower Upper
 172 100
 171 39.0 35.0 52.4
 170 26.1 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

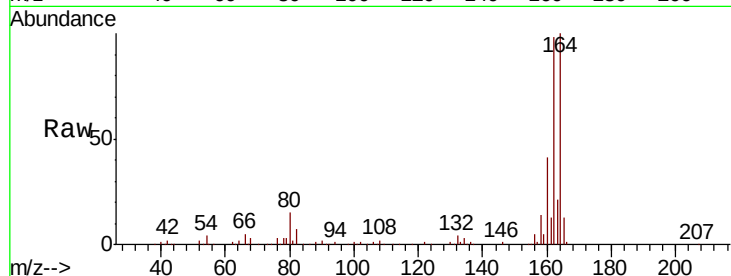




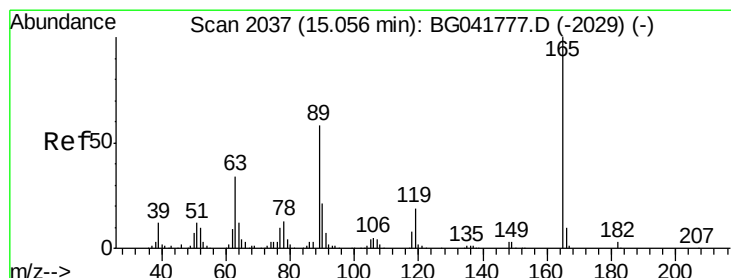
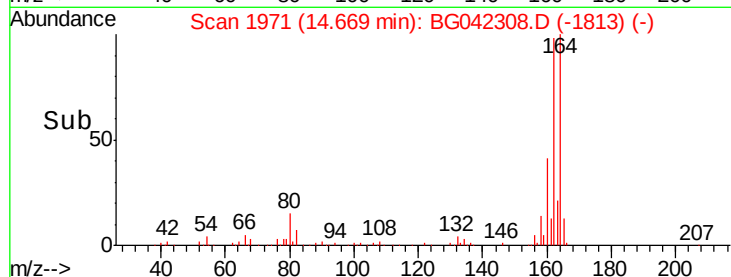
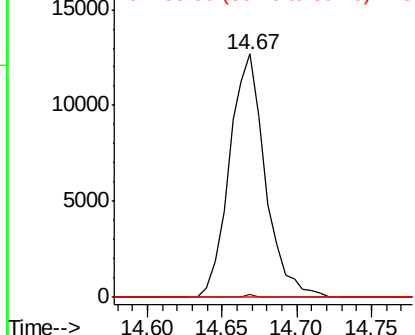
#51
 2,6-Dinitrotoluene
 Concen: 8.903 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG042308.D
 Acq: 18 Aug 2019 4:56

Instrument :
 BNA_G
 ClientSampleId :
 TP-20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.4	63.6#
89	0.0	42.1	63.1#



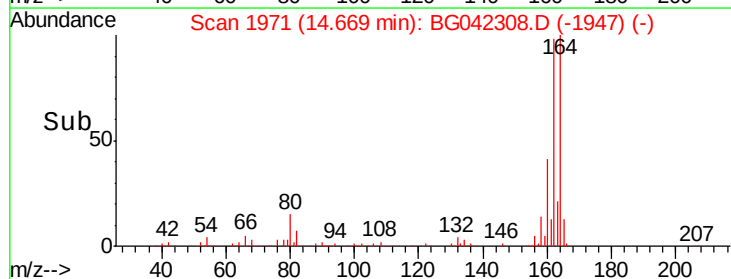
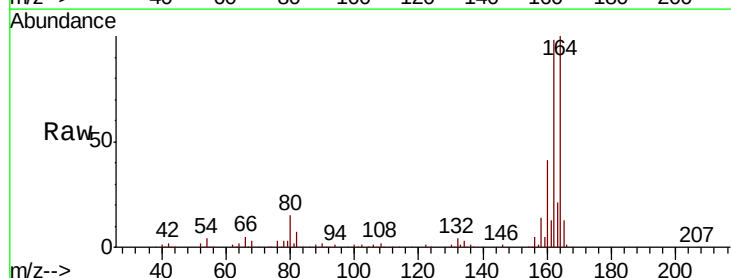
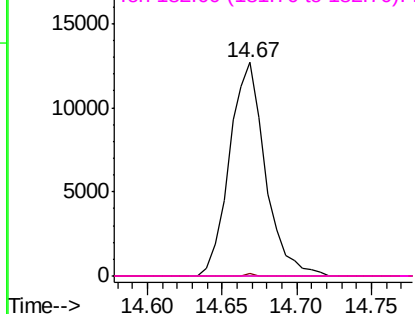
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

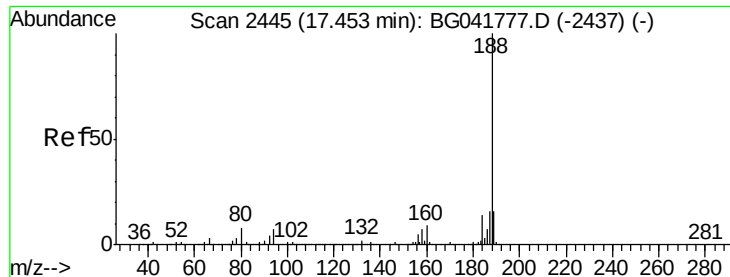


#57
 2,4-Dinitrotoluene
 Concen: 6.474 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.39 min
 Lab File: BG042308.D
 Acq: 18 Aug 2019 4:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	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: BG042308.D

Acq: 18 Aug 2019 4:56

Instrument :

BNA_G

ClientSampleId :

TP-20

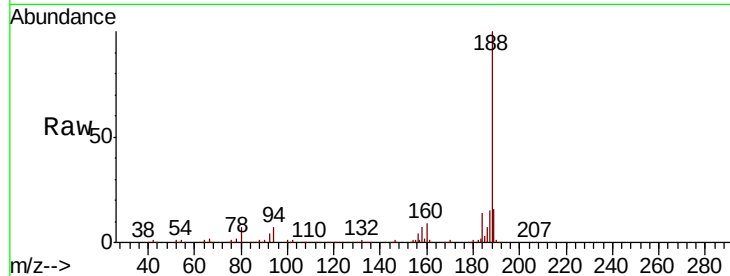
Tgt Ion:188 Resp: 403149

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

80 7.1 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

17.42

250000

200000

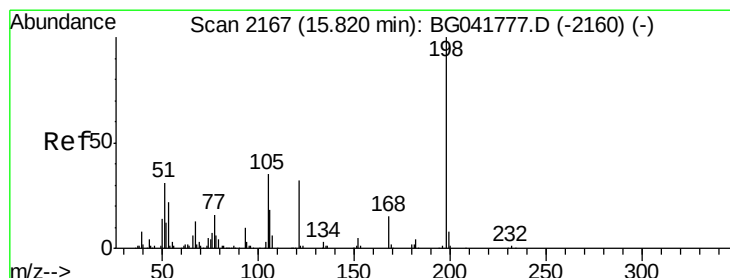
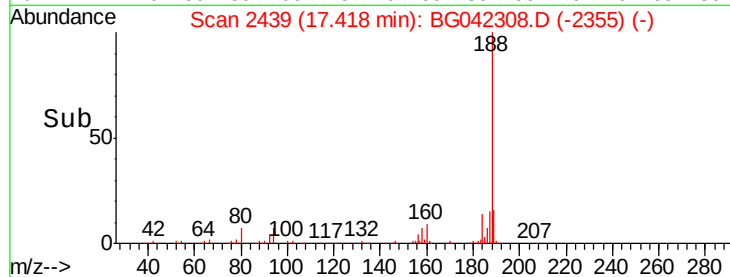
150000

100000

50000

0

Time--> 17.30 17.40 17.50



#65

4,6-Dinitro-2-methylphenol

Concen: 7.192 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.34 min

Lab File: BG042308.D

Acq: 18 Aug 2019 4:56

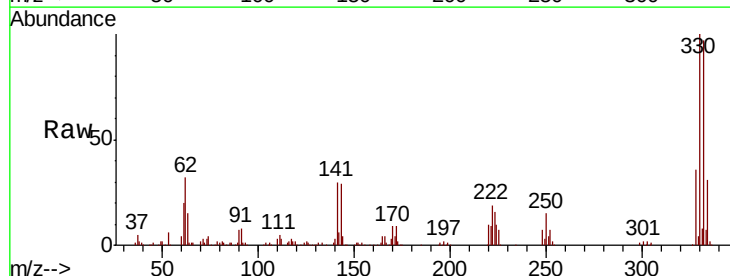
Tgt Ion:198 Resp: 781

Ion Ratio Lower Upper

198 100

51 54.4 22.3 62.3

105 99.7 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

16.16

800

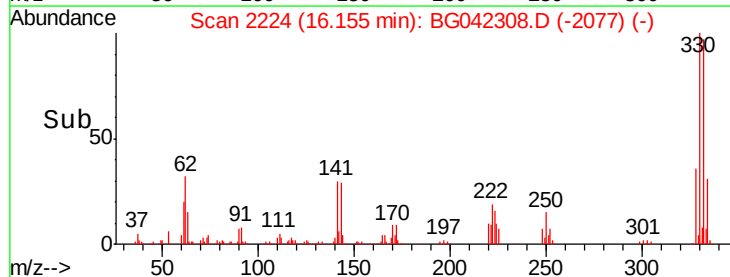
600

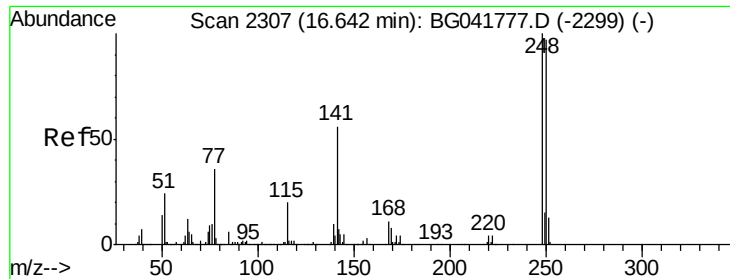
400

200

0

Time--> 16.15 16.20

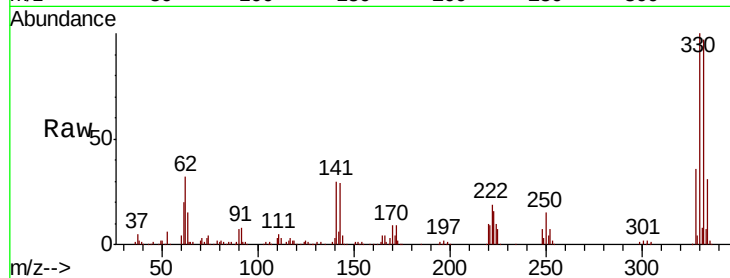




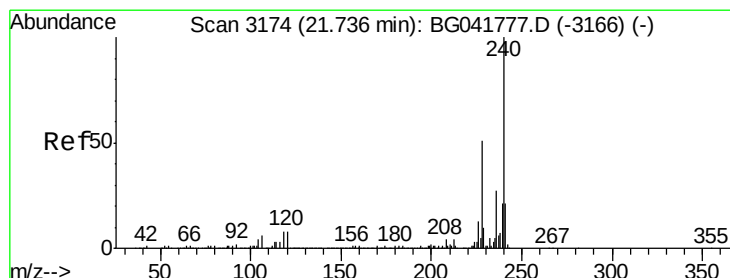
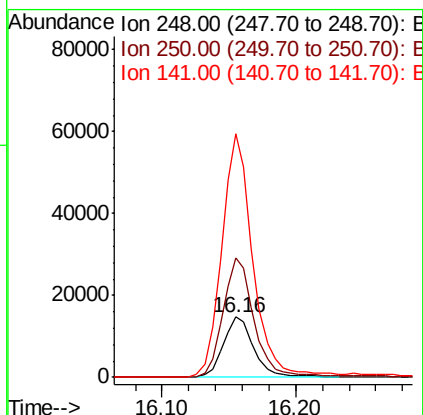
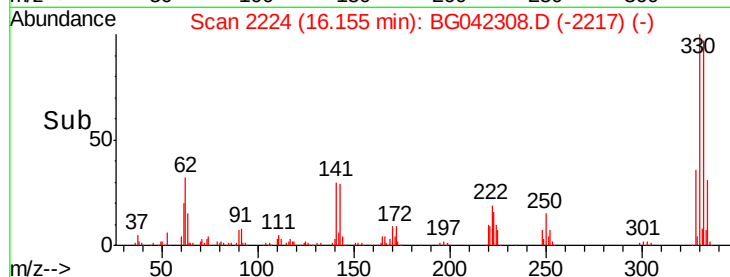
#67
 4-Bromophenyl-phenylether
 Concen: 4.831 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.49 min
 Lab File: BG042308.D
 Acq: 18 Aug 2019 4:56

Instrument :
 BNA_G
 ClientSampleId :
 TP-20

Tgt Ion:248 Resp: 23990
 Ion Ratio Lower Upper
 248 100
 250 198.8 78.1 117.1#
 141 403.2 49.6 74.4#

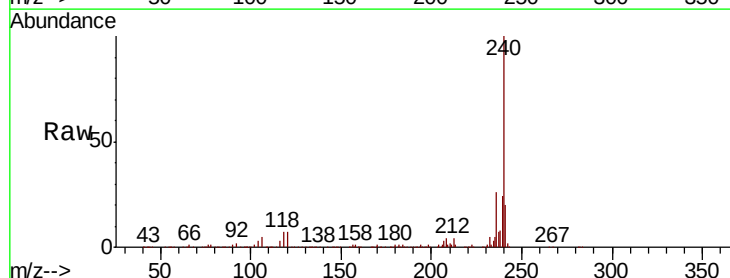


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

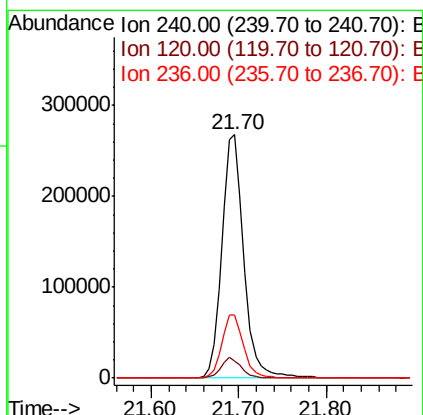
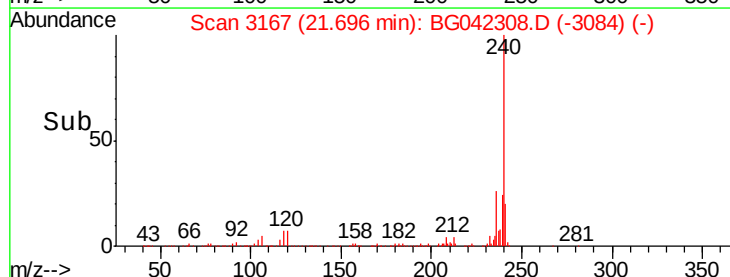


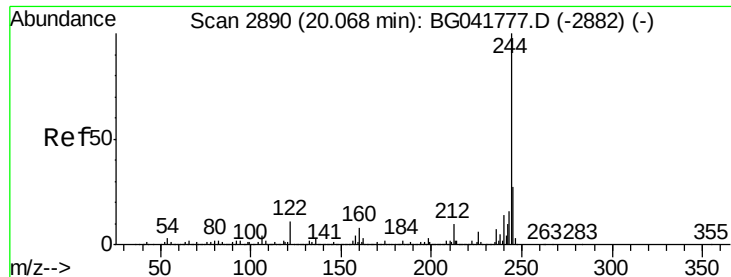
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042308.D
 Acq: 18 Aug 2019 4:56

Tgt Ion:240 Resp: 463789
 Ion Ratio Lower Upper
 240 100
 120 7.2 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: 100.636 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042308.D

Acq: 18 Aug 2019 4:56

Instrument :

BNA_G

ClientSampleId :

TP-20

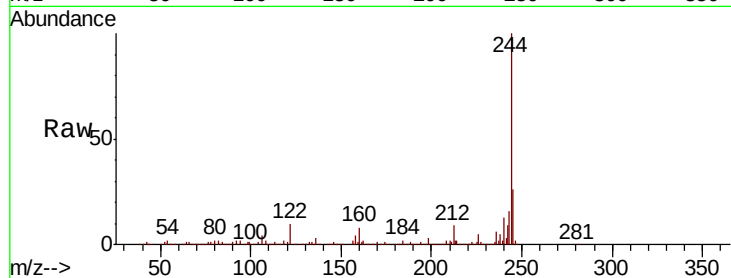
Tgt Ion:244 Resp: 2039717

Ion Ratio Lower Upper

244 100

212 9.0 9.7 14.5#

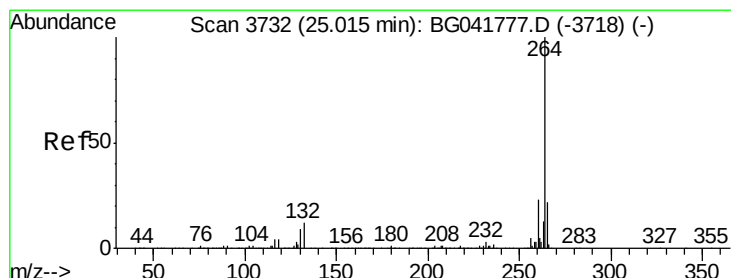
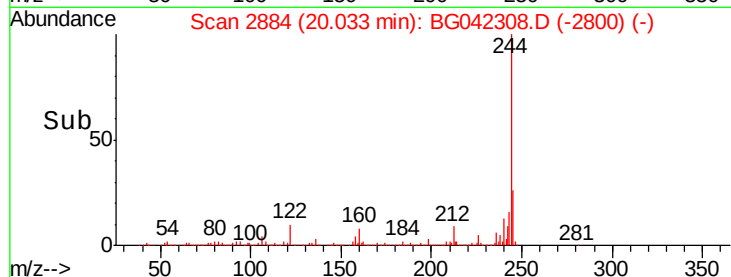
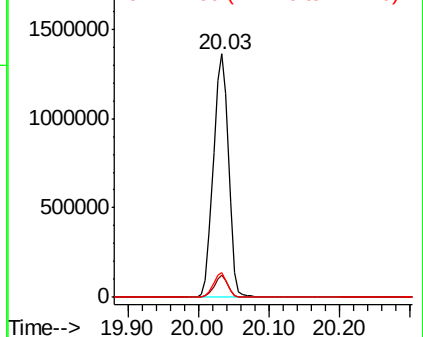
122 10.2 12.5 18.7#



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: BG042308.D

Acq: 18 Aug 2019 4:56

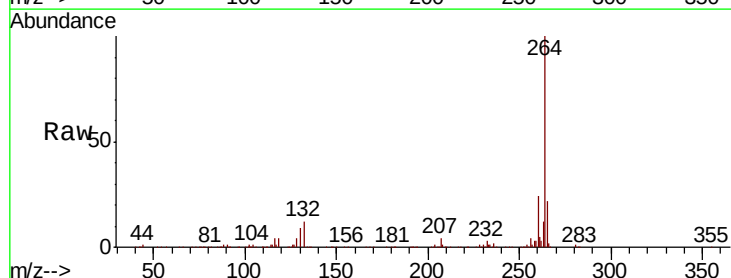
Tgt Ion:264 Resp: 516923

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.9 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

