

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041847.D
 Acq On : 31 Jul 2019 23:57
 Operator : HP/JU
 Sample : K4044-04RX
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Quant Time: Aug 01 01:51:26 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

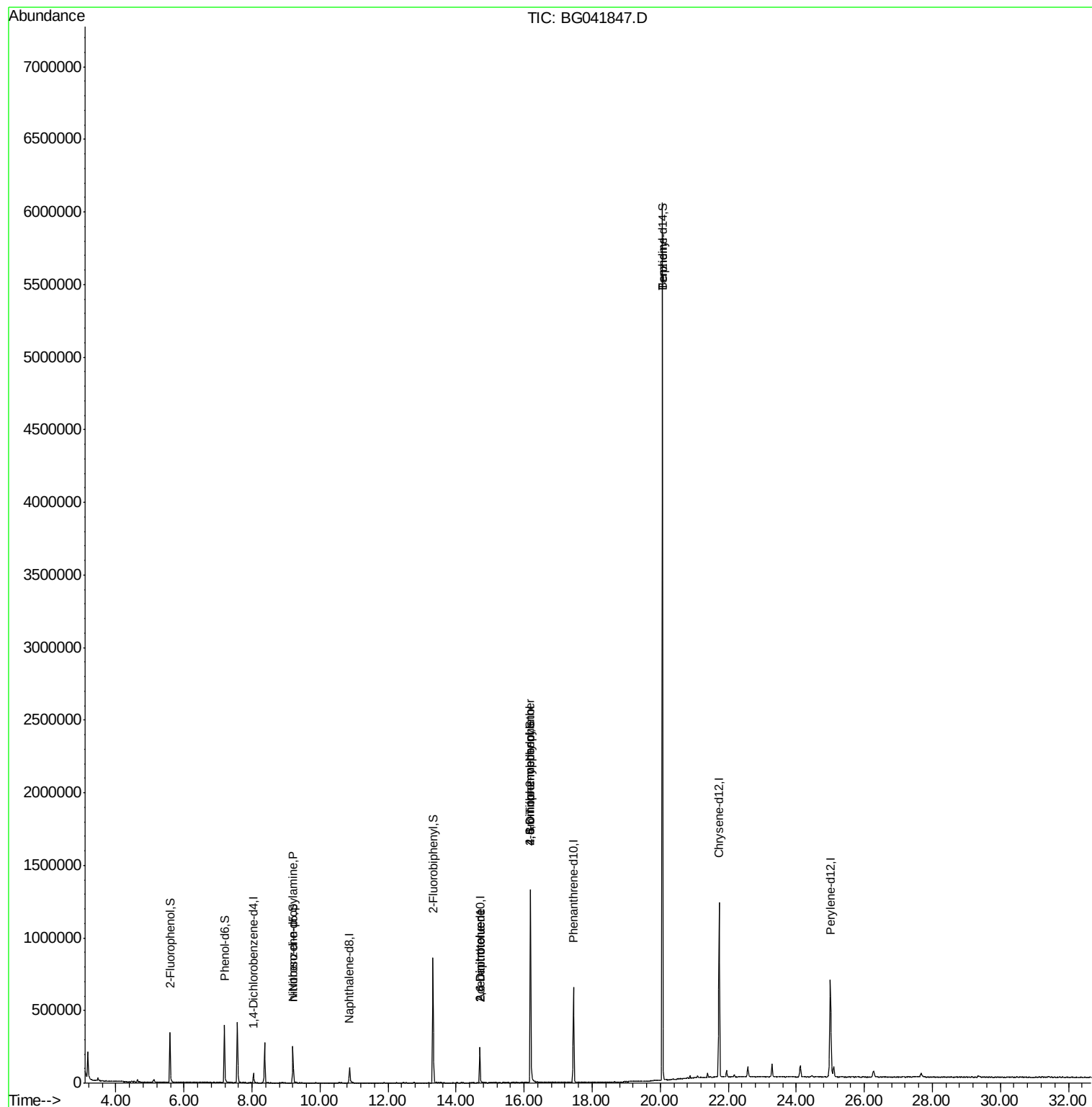
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	21543	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	102977	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	96435	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	442721	20.00	ng	0.00
76) Chrysene-d12	21.73	240	743593	20.00	ng	0.00
87) Perylene-d12	25.00	264	786979	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	175429	158.44	ng	0.00
7) Phenol-d6	7.19	99	247490	165.79	ng	0.00
23) Nitrobenzene-d5	9.20	82	155845	104.15	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	298410	272.43	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	480680	87.91	ng	0.00
79) Terphenyl-d14	20.07	244	2735195	84.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	20141	18.584	ng	# 70
51) 2,6-Dinitrotoluene	14.70	165	12493	9.072	ng	# 27
57) 2,4-Dinitrotoluene	14.70	165	12493	6.596	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.19	198	762	7.154	ng	# 9
67) 4-Bromophenyl-phenylether	16.19	248	22678	4.158	ng	# 1
77) Benzidine	20.07	184	50437	2.078	ng	# 92

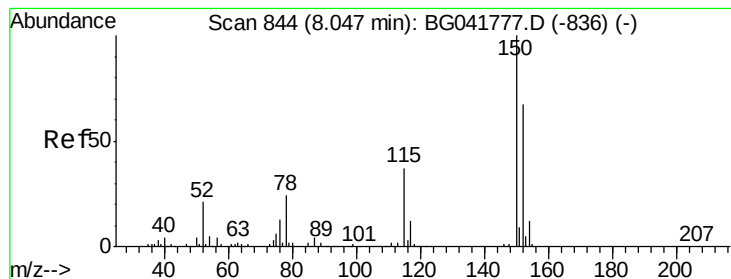
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
Data File : BG041847.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-6

Quant Time: Aug 01 01:51:26 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

Instrument :

BNA_G

ClientSampled :

TP-6

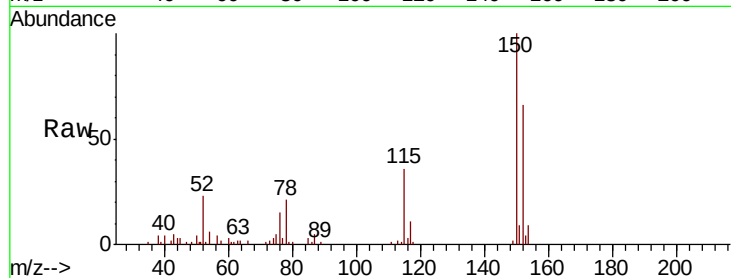
Tgt Ion:152 Resp: 21543

Ion Ratio Lower Upper

152 100

150 150.4 126.9 190.3

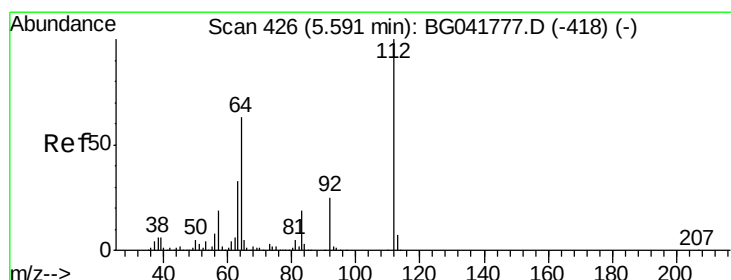
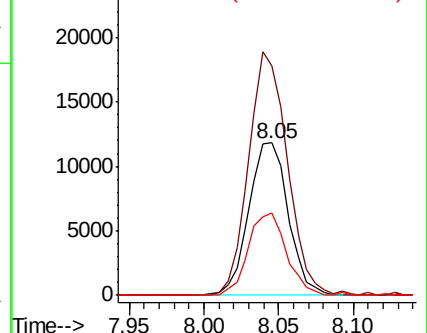
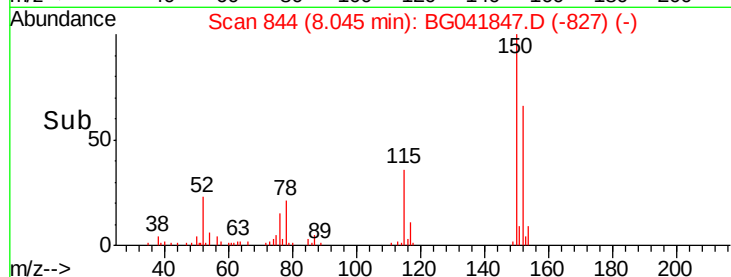
115 54.4 45.0 67.6



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



#5

2-Fluorophenol

Concen: 158.436 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

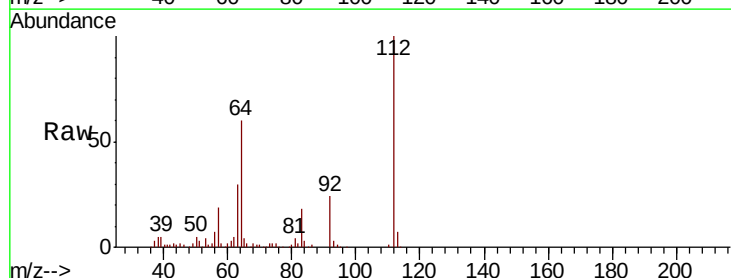
Tgt Ion:112 Resp: 175429

Ion Ratio Lower Upper

112 100

64 59.6 55.4 83.2

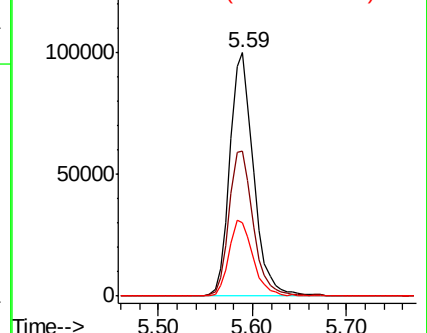
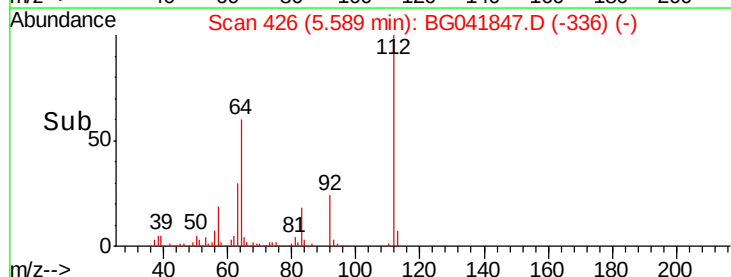
63 30.0 29.1 43.7

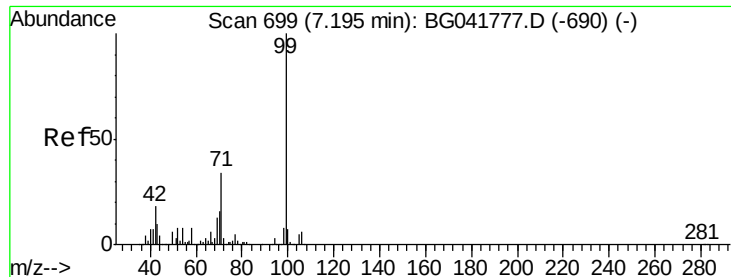


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 165.794 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

Instrument :

BNA_G

ClientSampleId :

TP-6

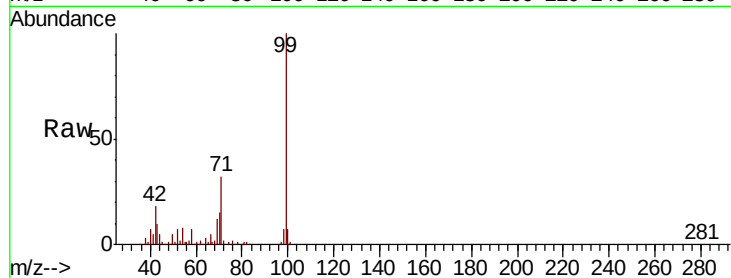
Tgt Ion: 99 Resp: 247490

Ion Ratio Lower Upper

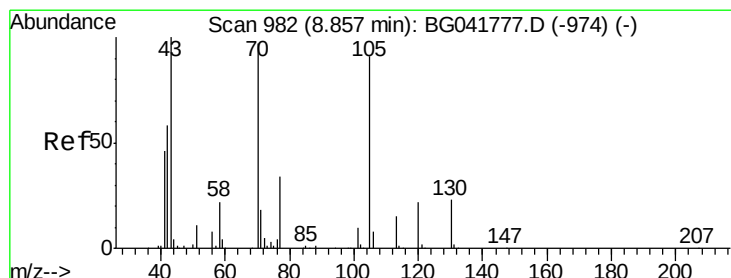
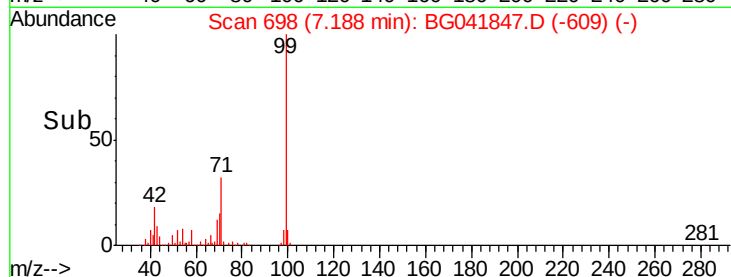
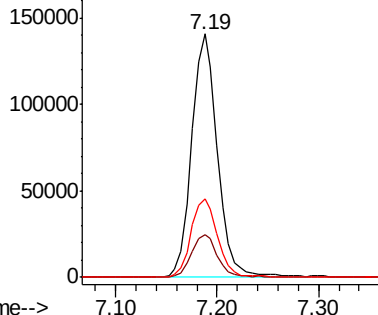
99 100

42 17.7 17.6 26.4

71 32.1 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: 18.584 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

Tgt Ion: 70 Resp: 20141

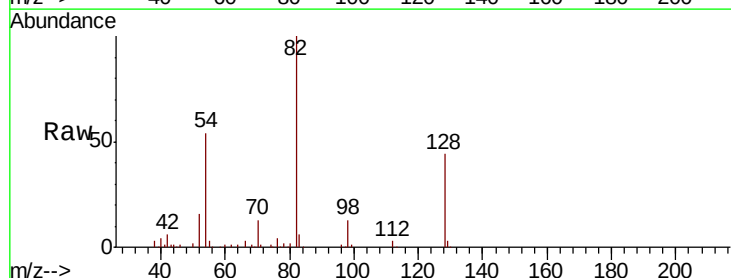
Ion Ratio Lower Upper

70 100

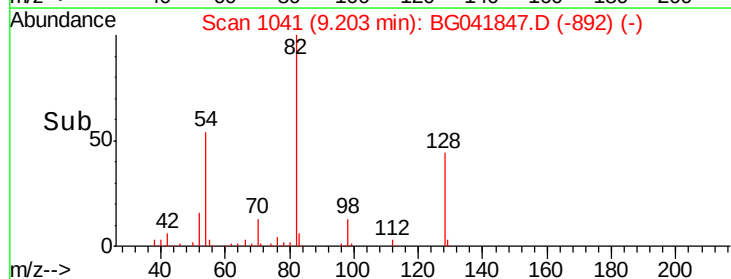
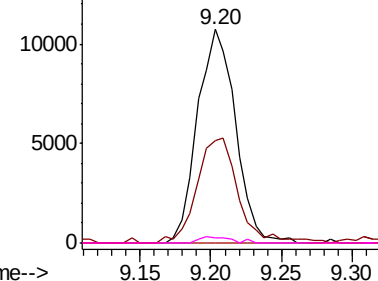
42 47.7 55.8 83.6#

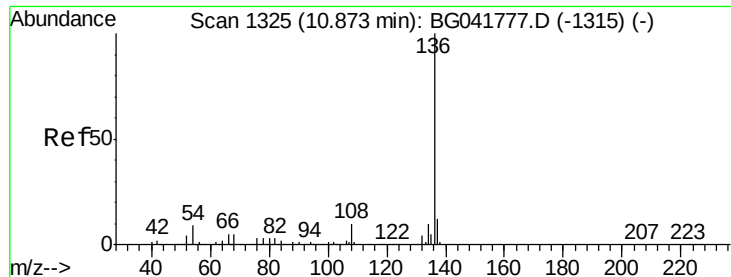
101 0.0 8.1 12.1#

130 2.6 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

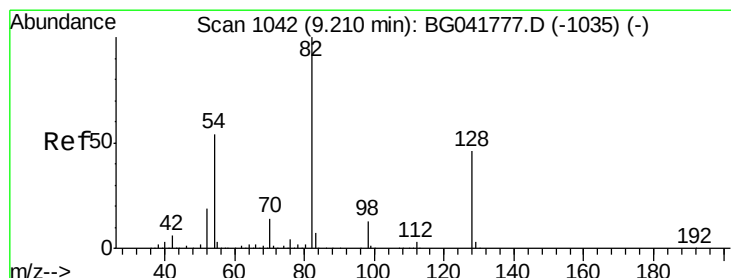
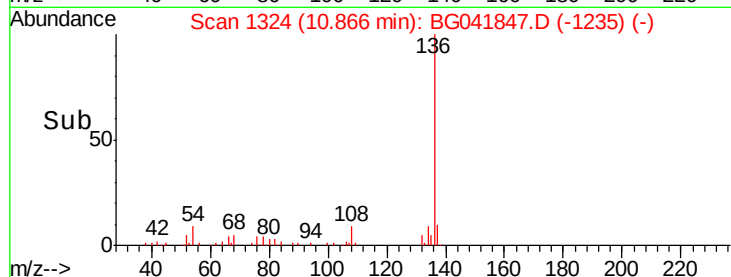
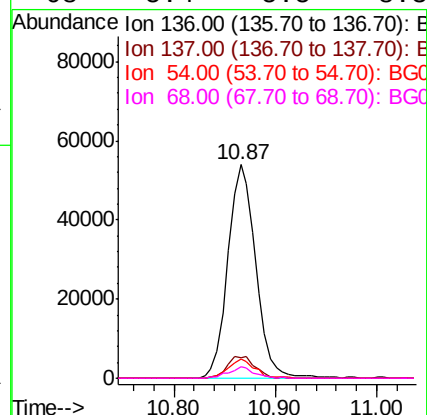
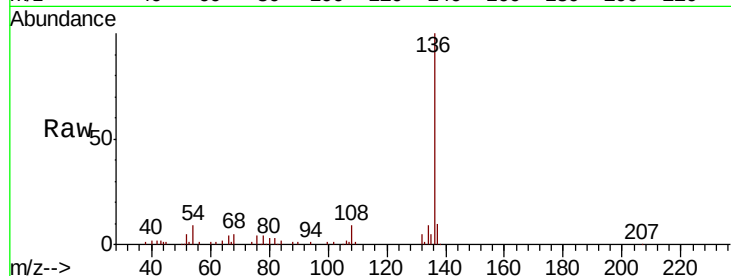




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041847.D
Acq: 31 Jul 2019 23:57

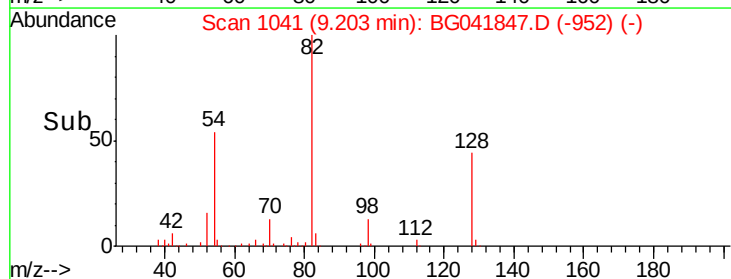
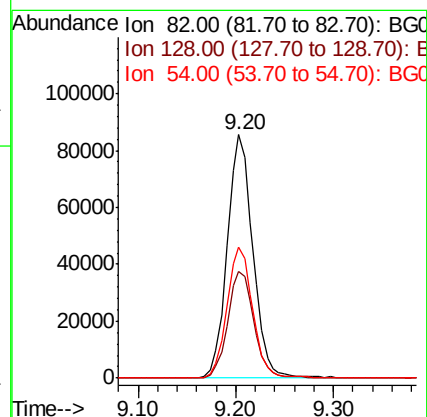
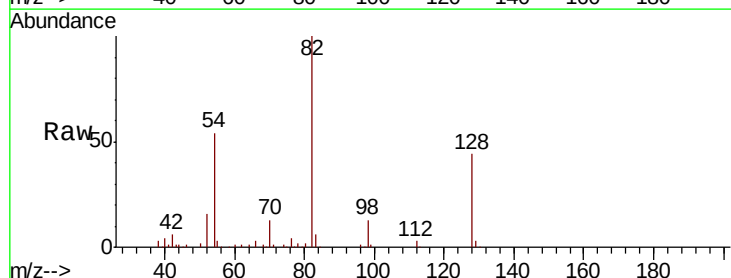
Instrument :
BNA_G
ClientSampleId :
TP-6

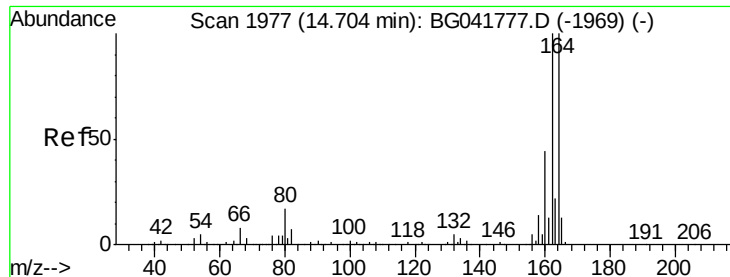
Tgt Ion:	136	Resp:	102977
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.2	13.8
54	8.9	8.7	13.1
68	5.4	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 104.146 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041847.D
Acq: 31 Jul 2019 23:57

Tgt Ion:	82	Resp:	155845
Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.1	52.7
54	53.6	48.7	73.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

Instrument :

BNA_G

ClientSampleId :

TP-6

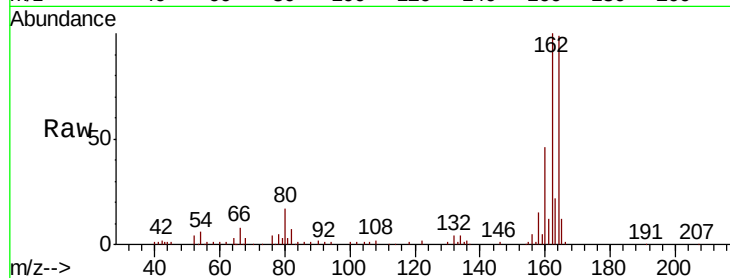
Tgt Ion:164 Resp: 96435

Ion Ratio Lower Upper

164 100

162 101.4 79.6 119.4

160 47.1 35.4 53.0

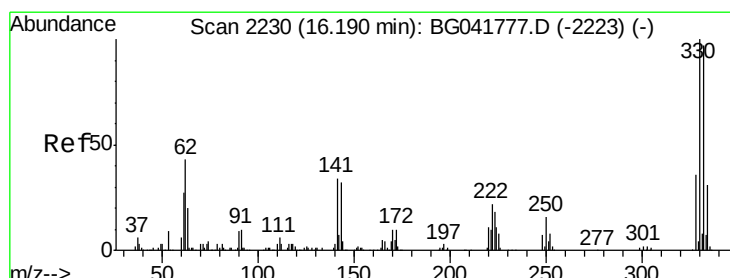
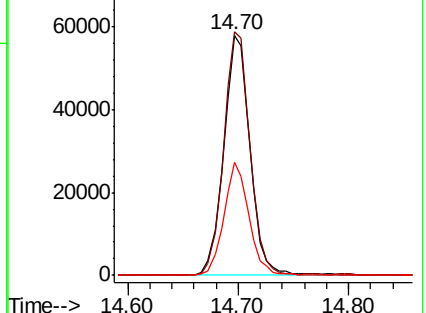
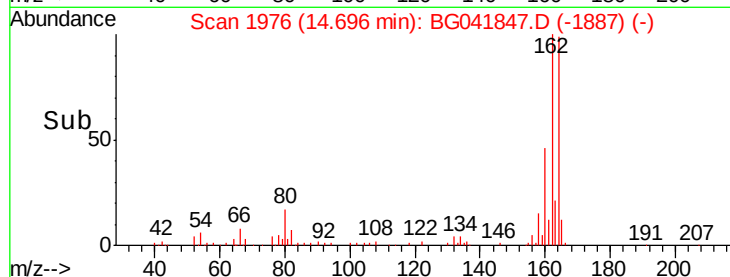


Abundance

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: 272.429 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

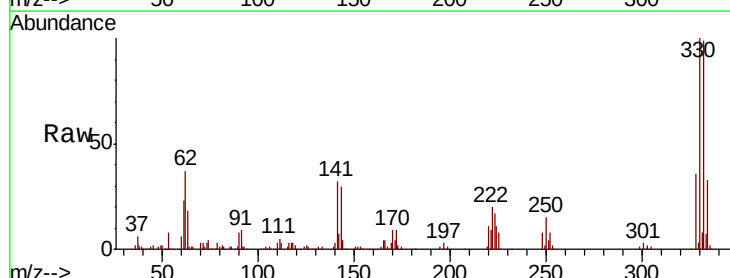
Tgt Ion:330 Resp: 298410

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.0

141 33.0 31.9 47.9

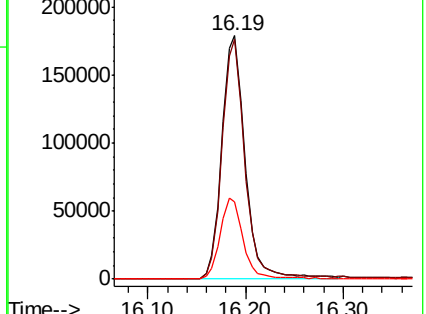
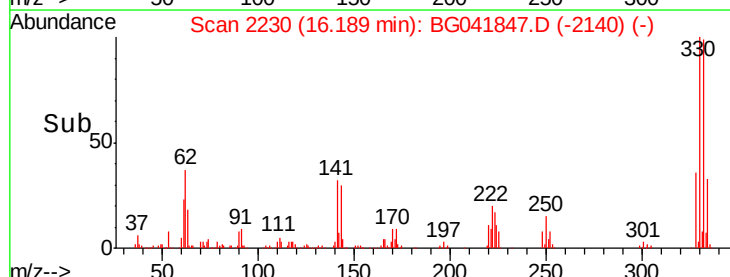


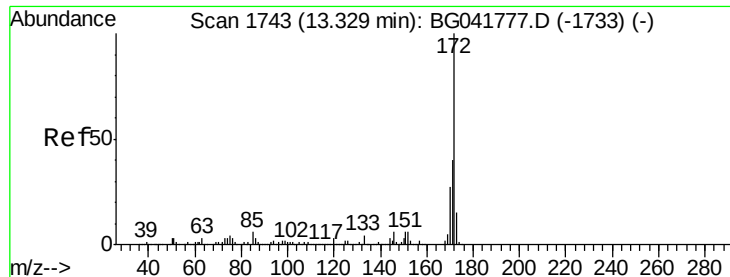
Abundance

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: 87.913 ng

RT: 13.32 min Scan# 1742

Delta R.T. -0.01 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

Instrument :

BNA_G

ClientSampleId :

TP-6

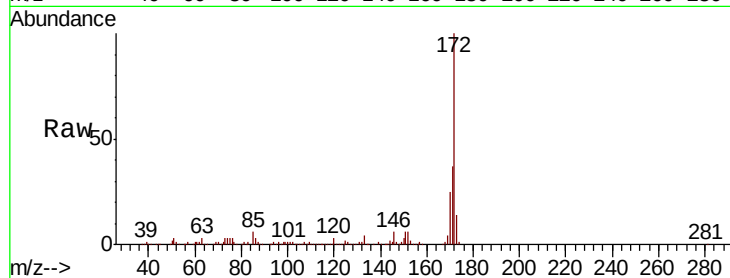
Tgt Ion:172 Resp: 480680

Ion Ratio Lower Upper

172 100

171 36.8 35.0 52.4

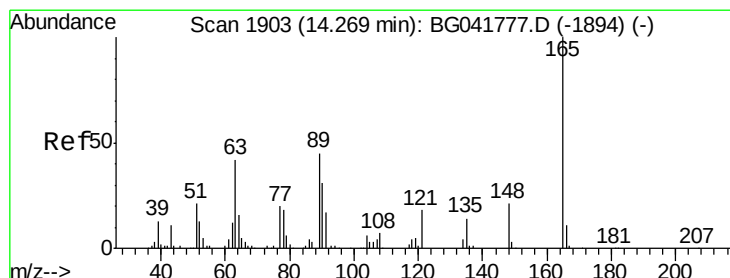
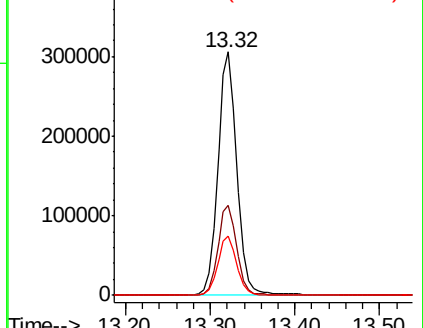
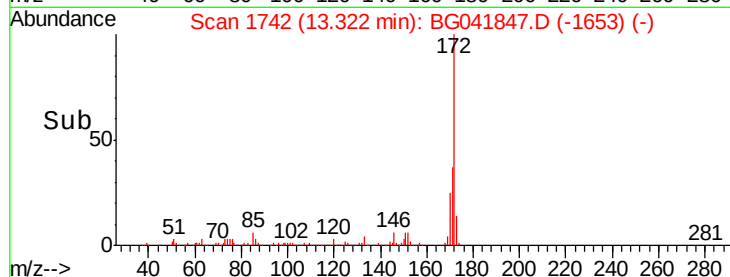
170 24.6 23.5 35.3



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: 9.072 ng

RT: 14.70 min Scan# 1977

Delta R.T. 0.43 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

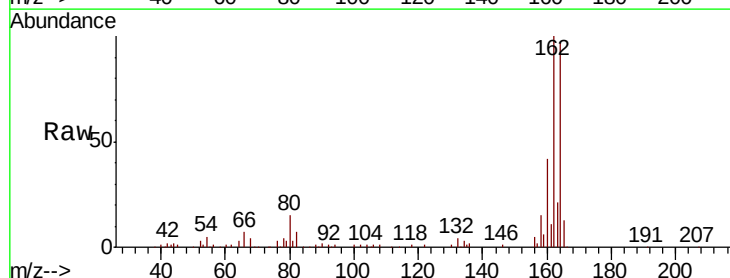
Tgt Ion:165 Resp: 12493

Ion Ratio Lower Upper

165 100

63 0.0 42.4 63.6#

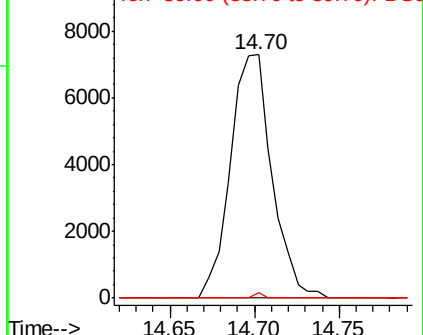
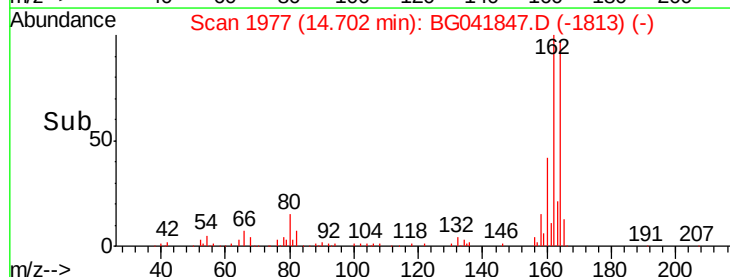
89 2.1 42.1 63.1#

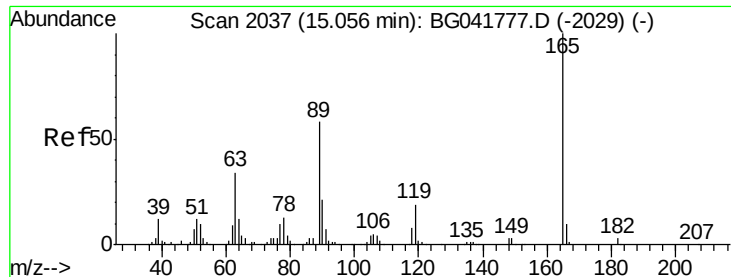


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

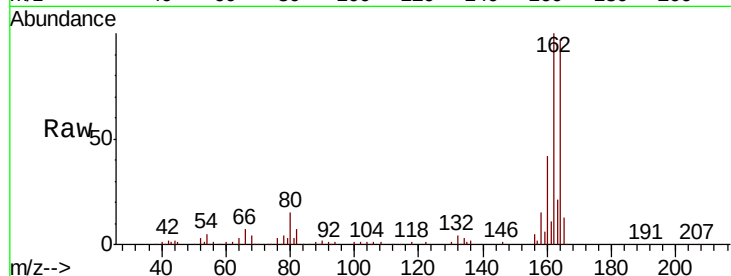




#57
 2,4-Dinitrotoluene
 Concen: 6.596 ng
 RT: 14.70 min Scan# 1977
 Delta R.T. -0.35 min
 Lab File: BG041847.D
 Acq: 31 Jul 2019 23:57

Instrument :
 BNA_G
 ClientSampled :
 TP-6

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	2.1	50.2	75.4#
182	0.0	2.6	4.0#

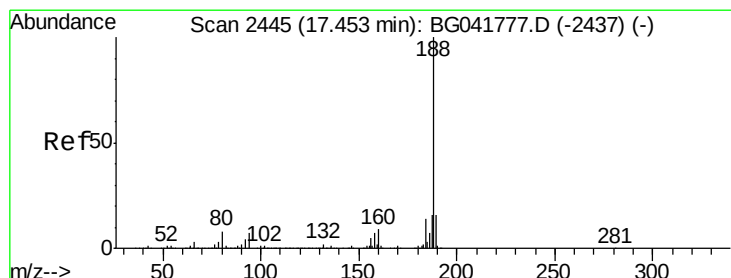
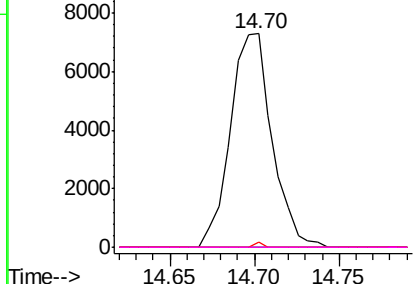
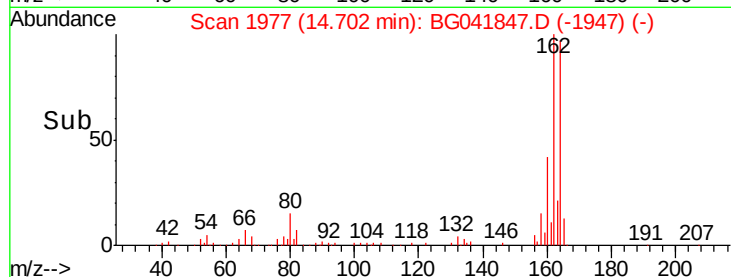


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

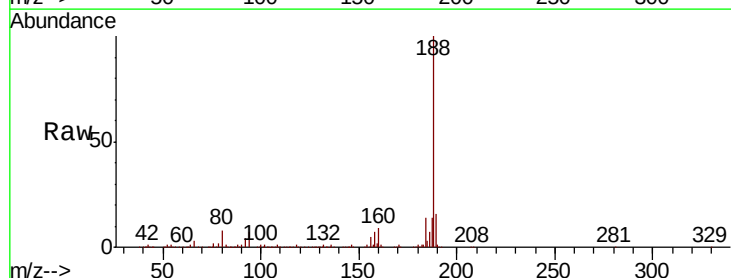
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: BG041847.D
 Acq: 31 Jul 2019 23:57

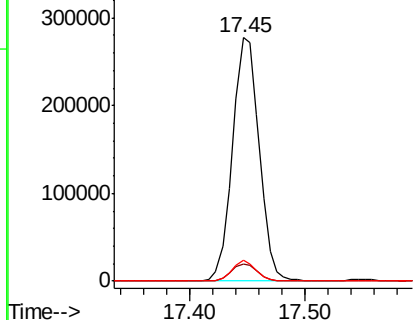
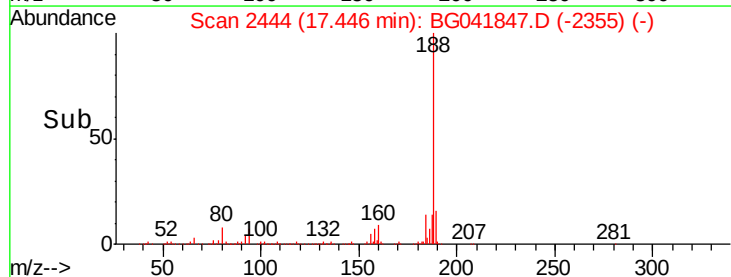
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.9	10.3#
80	8.4	8.0	12.0

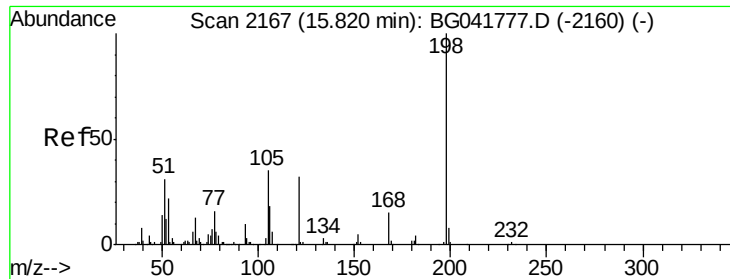


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

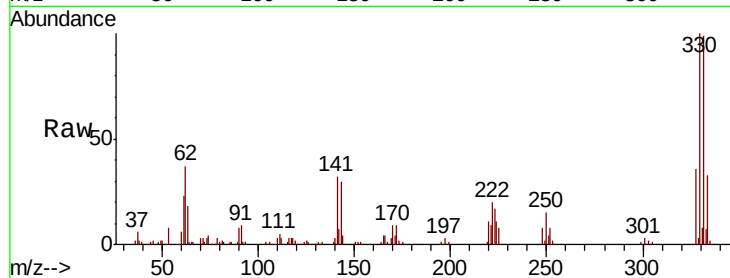




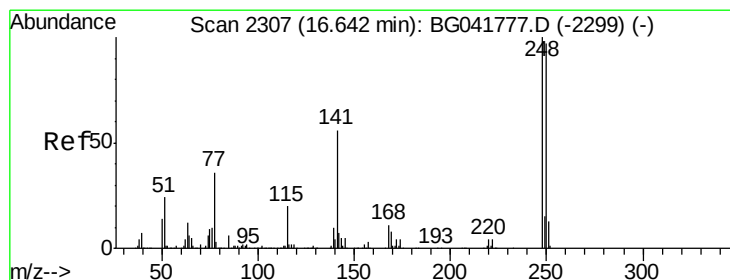
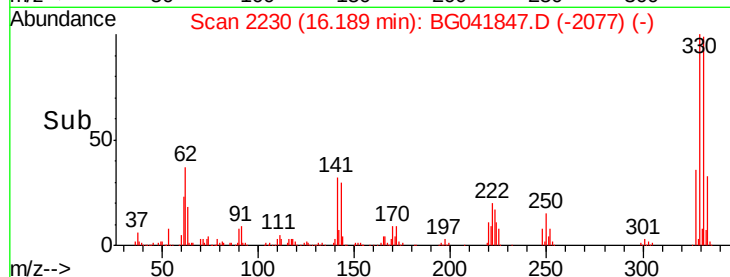
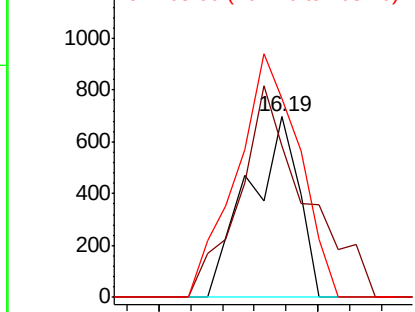
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.154 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.37 min
 Lab File: BG041847.D
 Acq: 31 Jul 2019 23:57

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Tgt Ion:198 Resp: 762
 Ion Ratio Lower Upper
 198 100
 51 83.9 22.3 62.3#
 105 110.0 18.0 58.0#

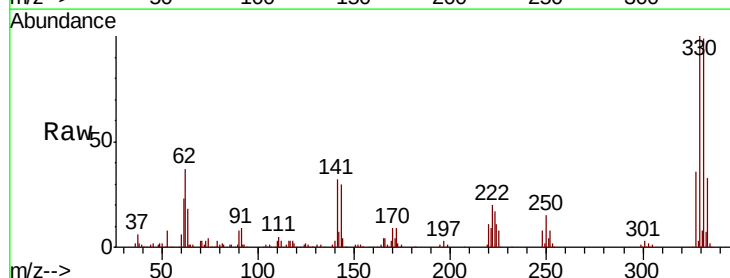


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

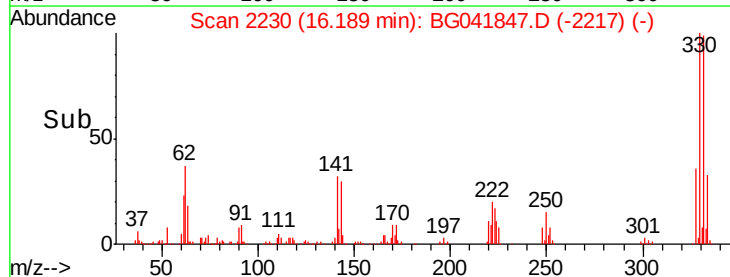
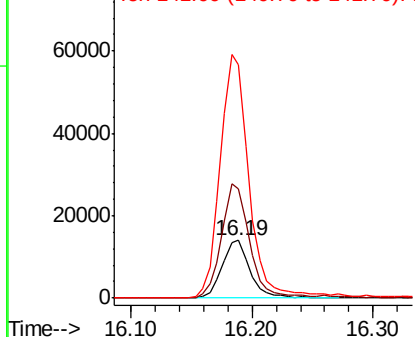


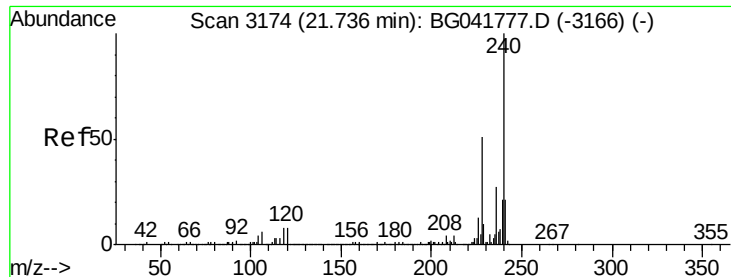
#67
 4-Bromophenyl-phenylether
 Concen: 4.158 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.45 min
 Lab File: BG041847.D
 Acq: 31 Jul 2019 23:57

Tgt Ion:248 Resp: 22678
 Ion Ratio Lower Upper
 248 100
 250 188.8 78.1 117.1#
 141 403.9 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

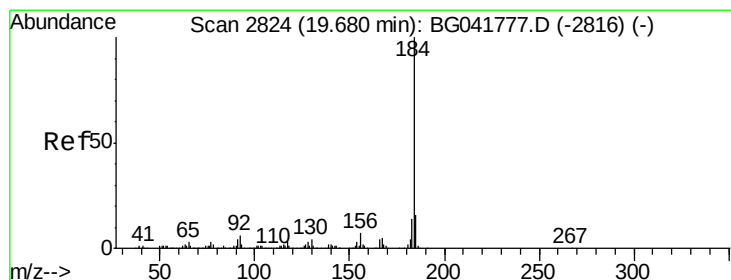
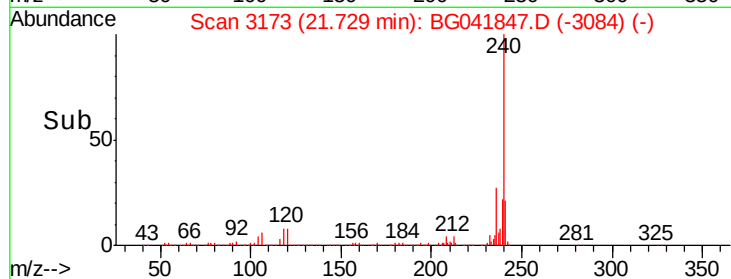
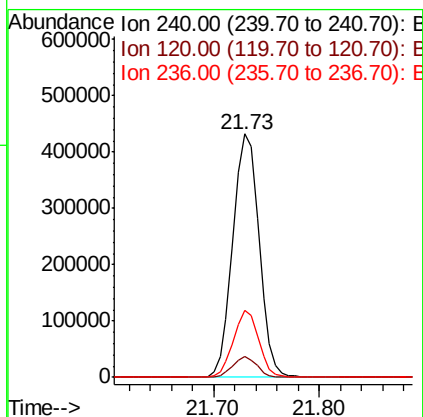
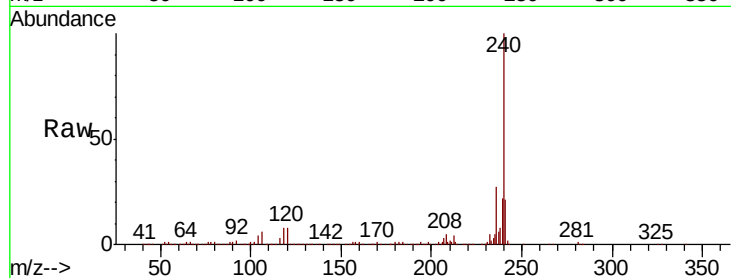




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG041847.D
Acq: 31 Jul 2019 23:57

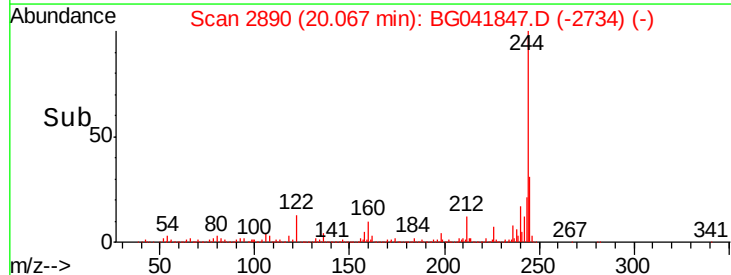
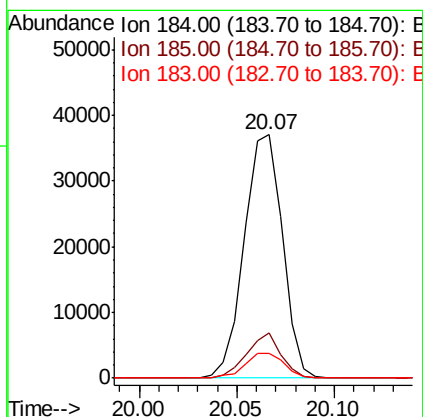
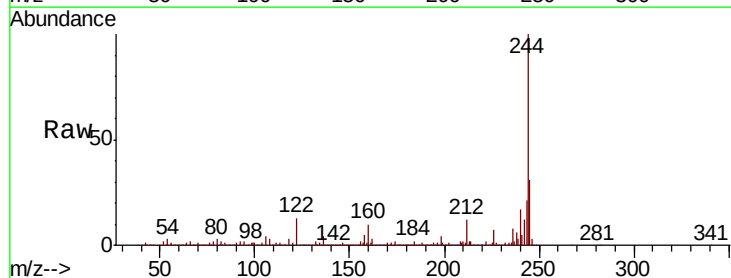
Instrument :
BNA_G
ClientSampleId :
TP-6

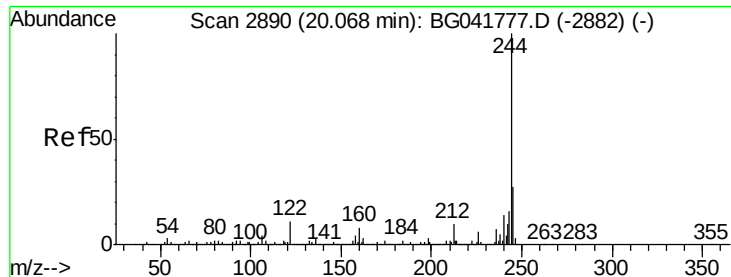
Tgt Ion: 240 Resp: 743593
Ion Ratio Lower Upper
240 100
120 8.4 8.0 12.0
236 27.3 22.6 33.8



#77
Benzidine
Concen: 2.078 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.39 min
Lab File: BG041847.D
Acq: 31 Jul 2019 23:57

Tgt Ion: 184 Resp: 50437
Ion Ratio Lower Upper
184 100
185 18.7 13.0 19.4
183 10.3 11.8 17.6#





#79

Terphenyl-d14

Concen: 84.170 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.00 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

Instrument :

BNA_G

ClientSampleId :

TP-6

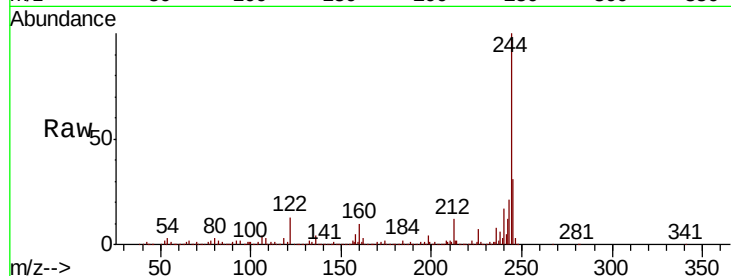
Tgt Ion:244 Resp: 2735195

Ion Ratio Lower Upper

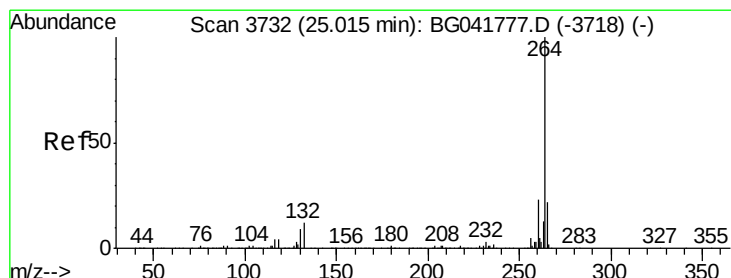
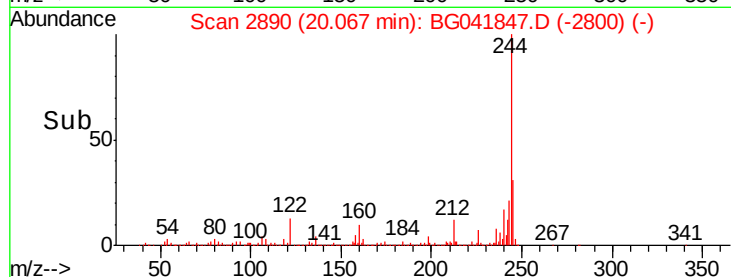
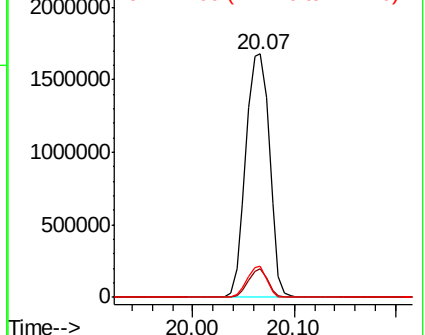
244 100

212 12.0 9.7 14.5

122 12.6 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: 25.00 min Scan# 3730

Delta R.T. -0.01 min

Lab File: BG041847.D

Acq: 31 Jul 2019 23:57

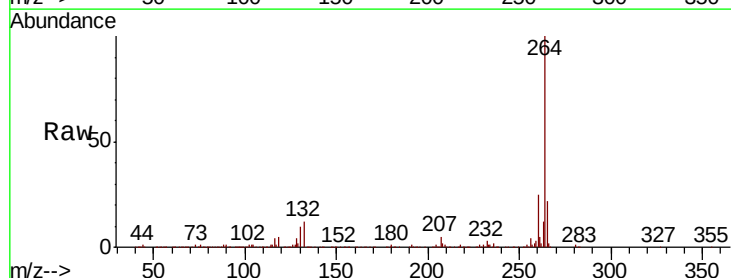
Tgt Ion:264 Resp: 786979

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 21.8 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

