

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041851.D
 Acq On : 1 Aug 2019 2:30
 Operator : HP/JU
 Sample : K4044-18RX
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Aug 01 04:12:05 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

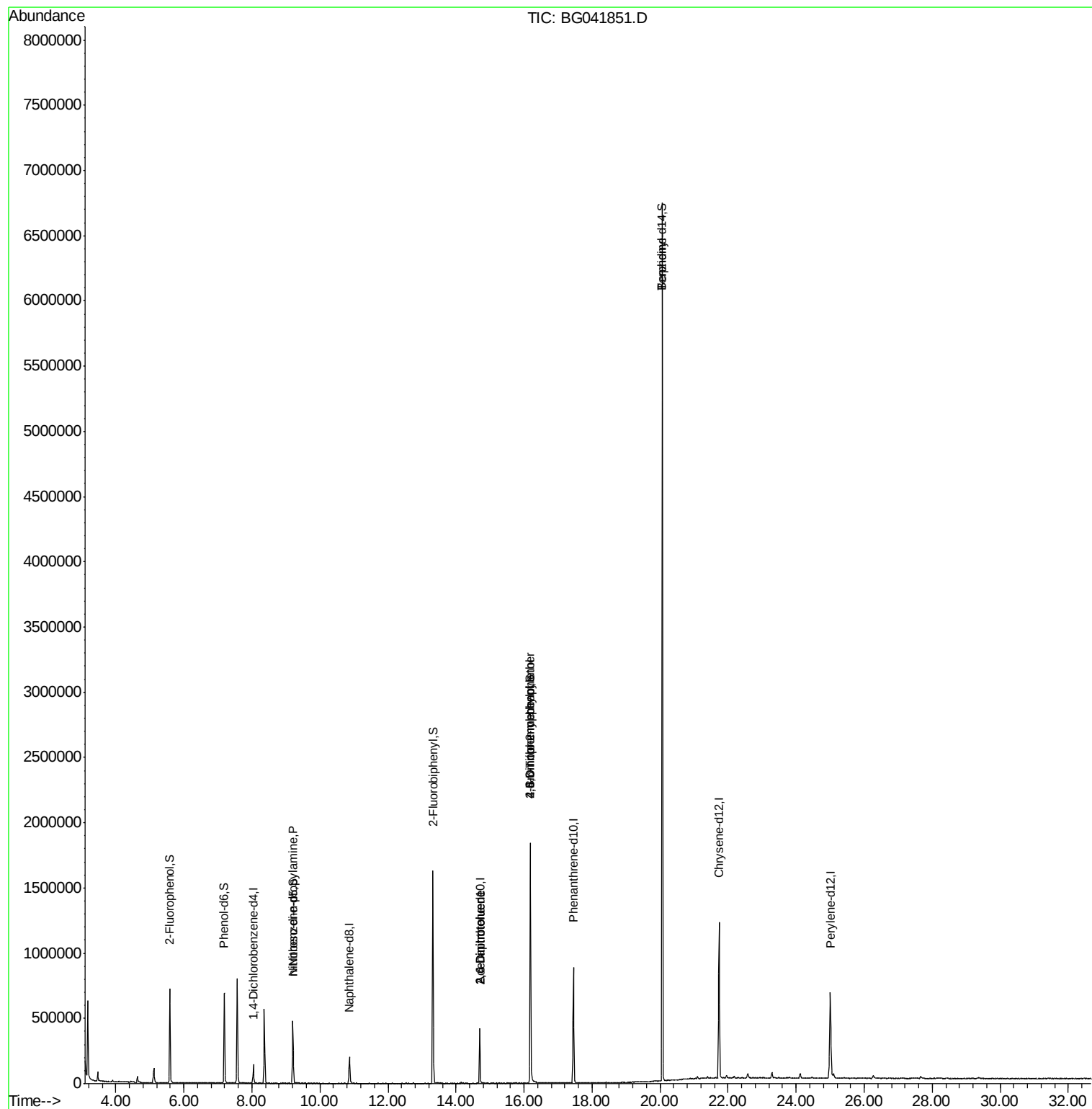
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	44609	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	191631	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	166807	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	577186	20.00	ng	0.00
76) Chrysene-d12	21.73	240	744477	20.00	ng	0.00
87) Perylene-d12	25.01	264	755324	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	329020	143.50	ng	0.00
7) Phenol-d6	7.19	99	427613	138.34	ng	0.00
23) Nitrobenzene-d5	9.21	82	297261	106.75	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	395879	208.94	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	898116	94.96	ng	0.00
79) Terphenyl-d14	20.06	244	2816502	86.57	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	38643	17.220	ng	# 71
51) 2,6-Dinitrotoluene	14.69	165	21177	8.890	ng	# 26
57) 2,4-Dinitrotoluene	14.69	165	21177	6.464	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.19	198	1003	7.157	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	29511	4.151	ng	# 1
77) Benzidine	20.06	184	55615	2.289	ng	# 94

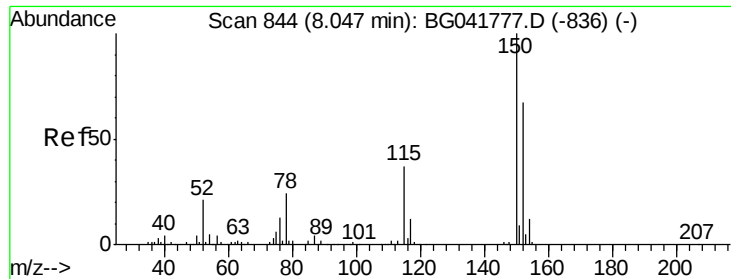
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
Data File : BG041851.D
Acq On : 1 Aug 2019 2:30
Operator : HP/JU
Sample : K4044-18RX
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-3

Quant Time: Aug 01 04:12:05 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



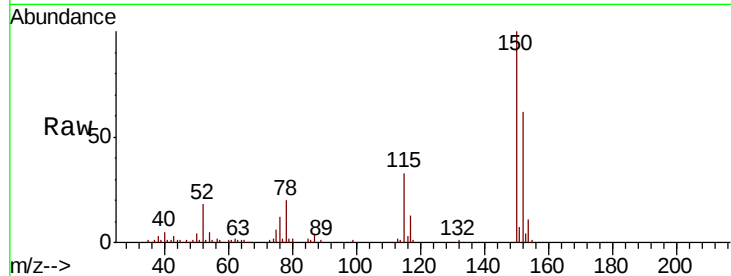


#1

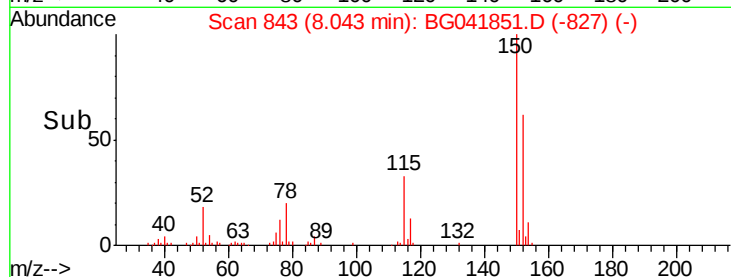
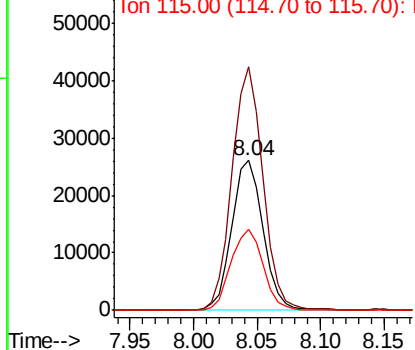
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG041851.D
Acq: 1 Aug 2019 2:30

Instrument :
BNA_G
ClientSampleId :
TP-3

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.2	126.9	190.3
115	53.9	45.0	67.6



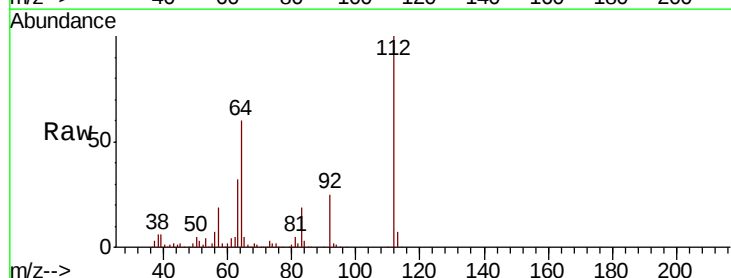
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



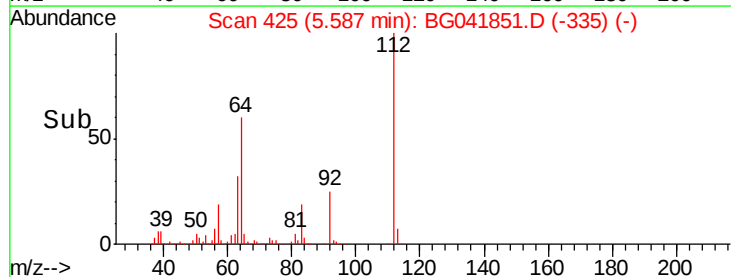
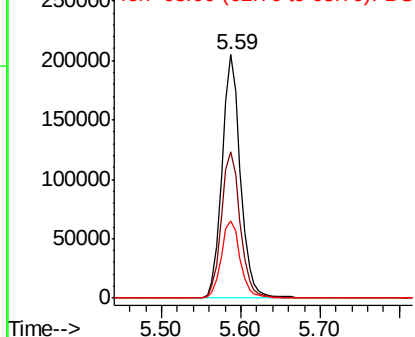
#5

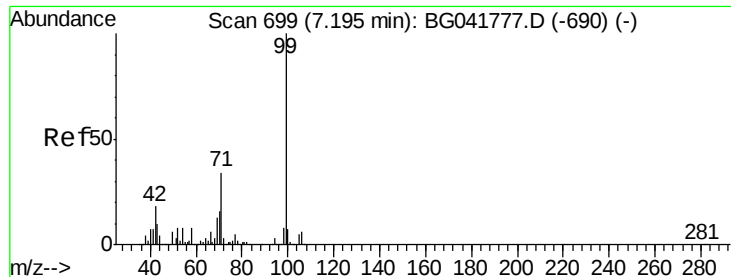
2-Fluorophenol
Concen: 143.502 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.00 min
Lab File: BG041851.D
Acq: 1 Aug 2019 2:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	55.4	83.2
63	31.6	29.1	43.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 138.339 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

Instrument :

BNA_G

ClientSampleId :

TP-3

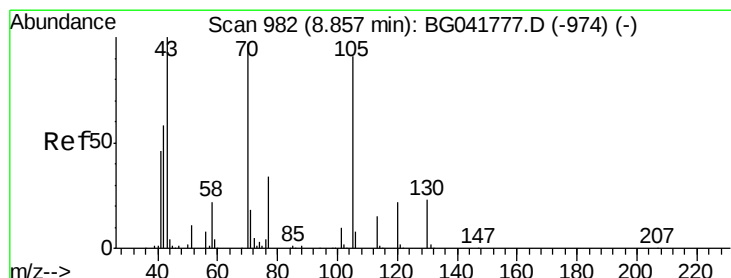
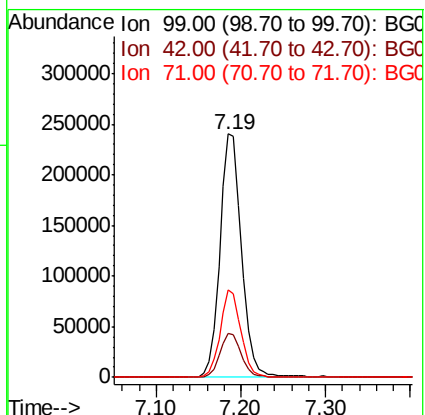
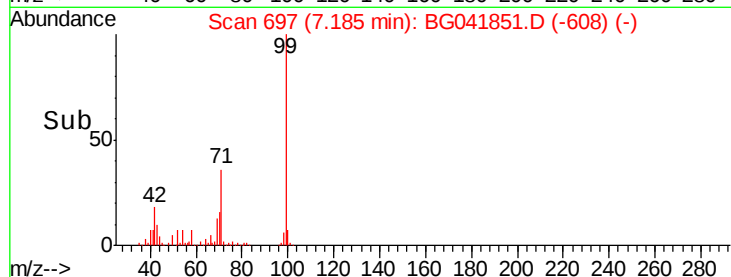
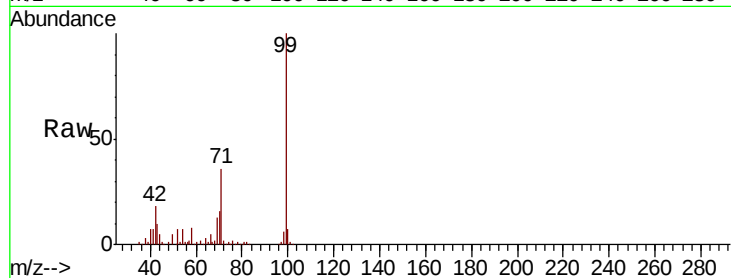
Tgt Ion: 99 Resp: 427613

Ion Ratio Lower Upper

99 100

42 18.0 17.6 26.4

71 36.0 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 17.220 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

Tgt Ion: 70 Resp: 38643

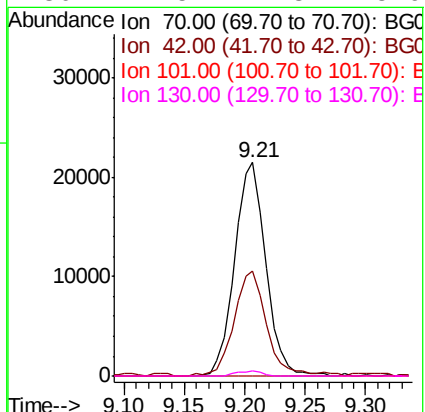
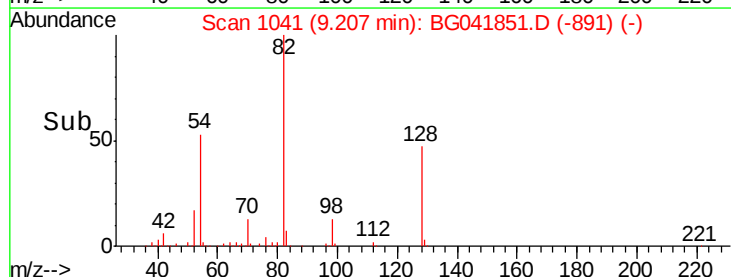
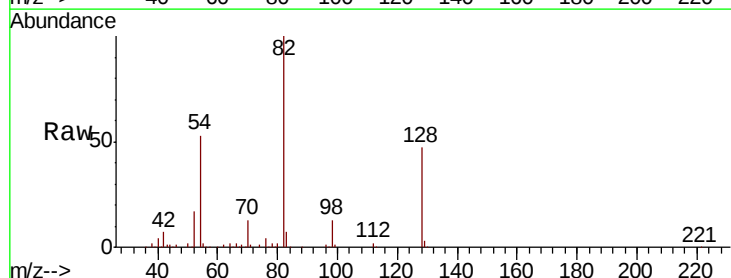
Ion Ratio Lower Upper

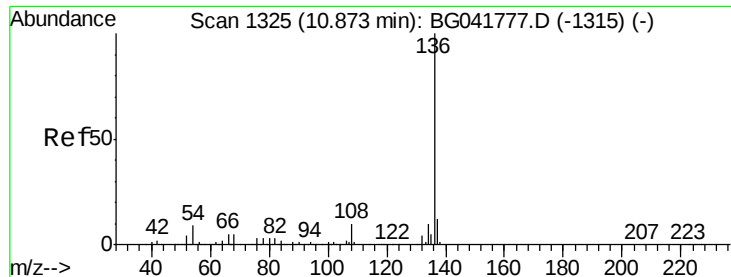
70 100

42 49.0 55.8 83.6#

101 0.0 8.1 12.1#

130 2.5 17.3 25.9#

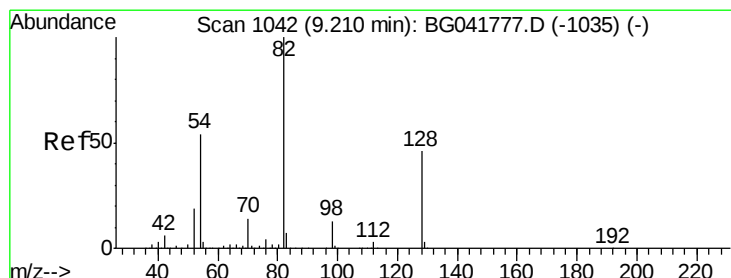
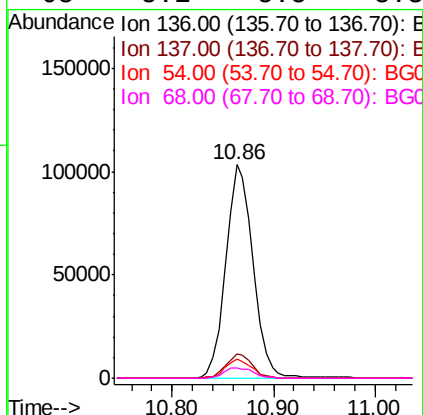
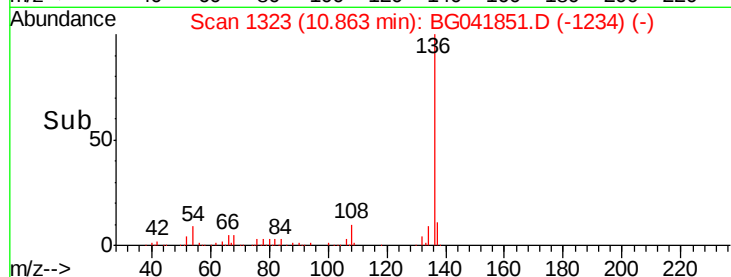
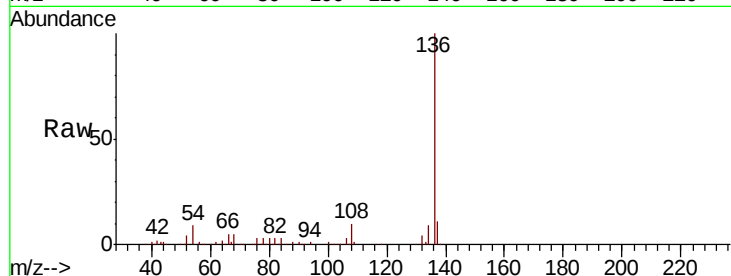




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG041851.D
Acq: 1 Aug 2019 2:30

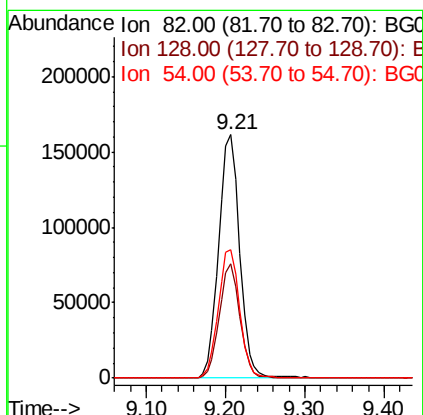
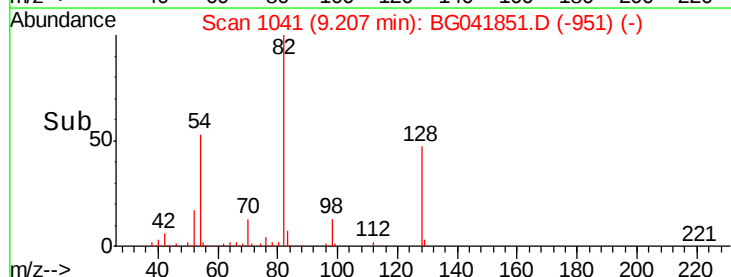
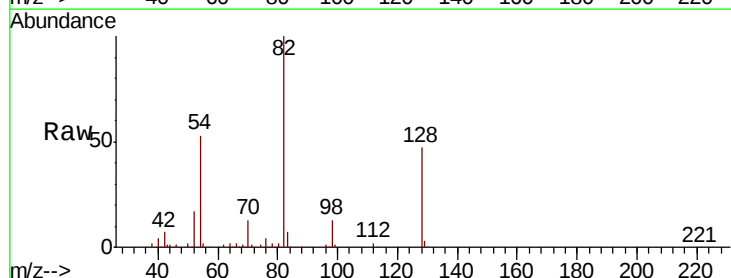
Instrument :
BNA_G
ClientSampleId :
TP-3

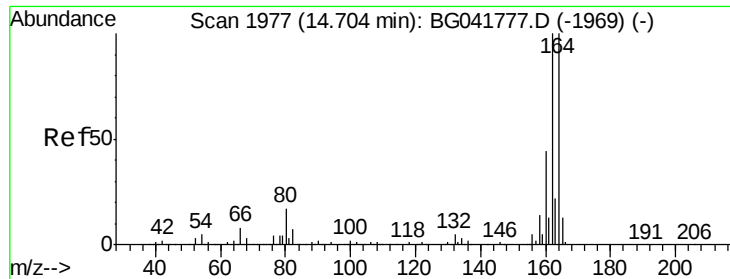
Tgt Ion:	136	Resp:	191631
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	9.0	8.7	13.1
68	5.1	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 106.749 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG041851.D
Acq: 1 Aug 2019 2:30

Tgt Ion:	82	Resp:	297261
Ion	Ratio	Lower	Upper
82	100		
128	47.2	35.1	52.7
54	53.0	48.7	73.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

Instrument :

BNA_G

ClientSampled :

TP-3

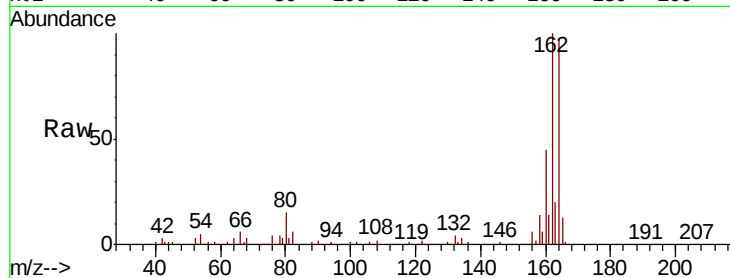
Tgt Ion:164 Resp: 166807

Ion Ratio Lower Upper

164 100

162 102.7 79.6 119.4

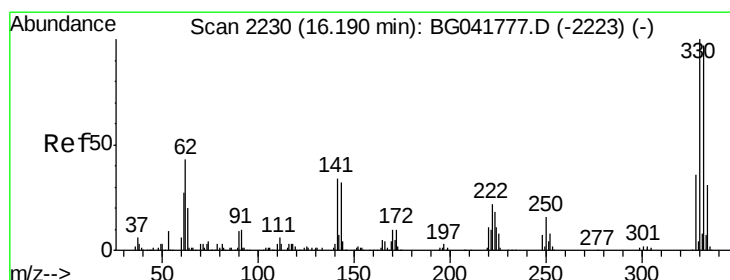
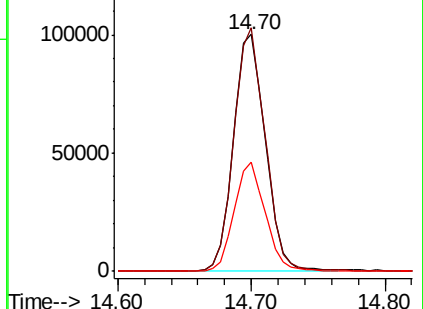
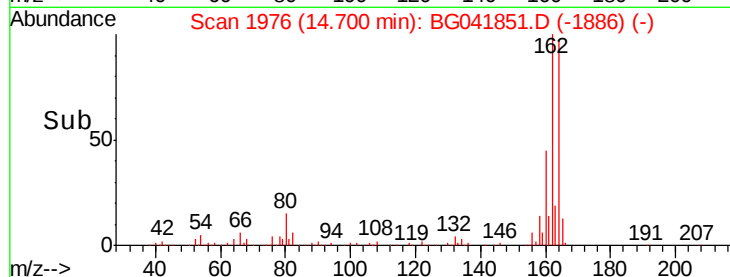
160 45.9 35.4 53.0



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: 208.940 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

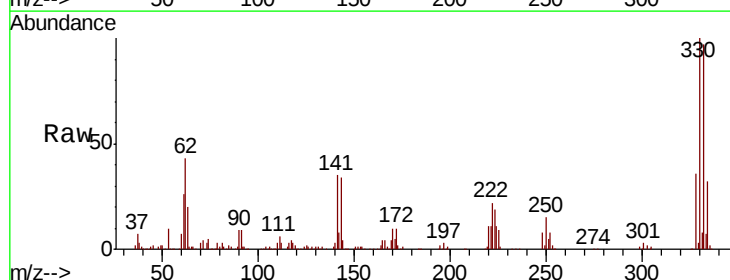
Tgt Ion:330 Resp: 395879

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

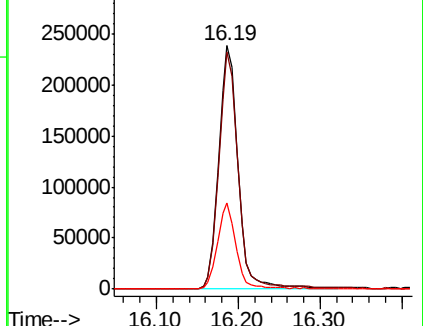
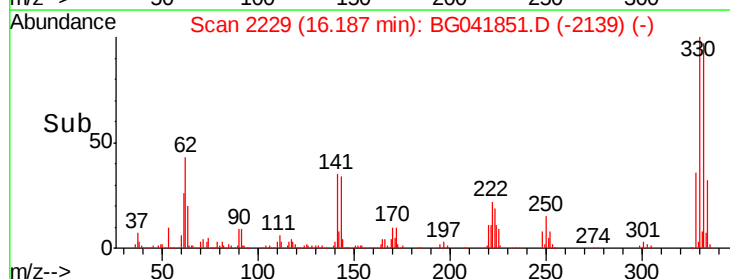
141 33.9 31.9 47.9

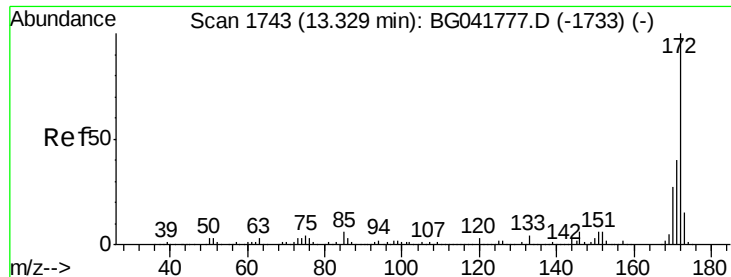


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

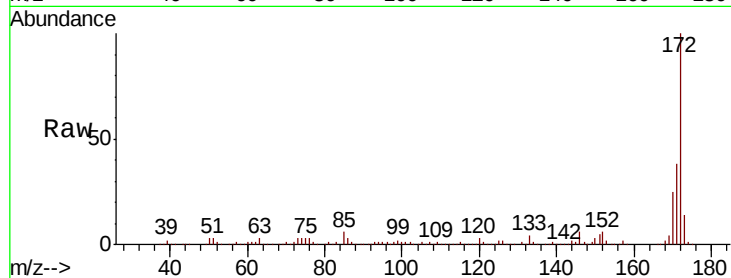




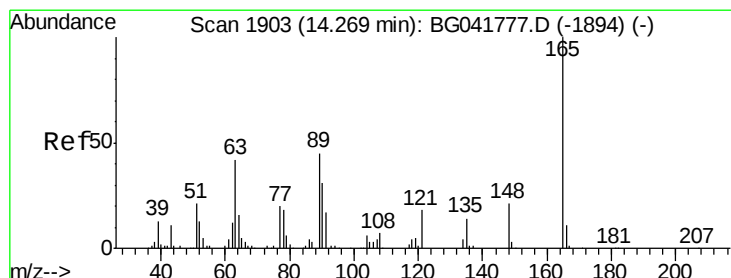
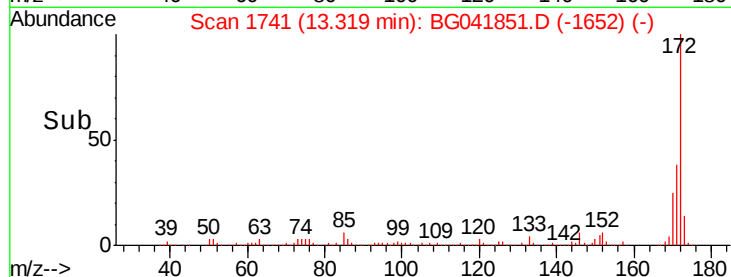
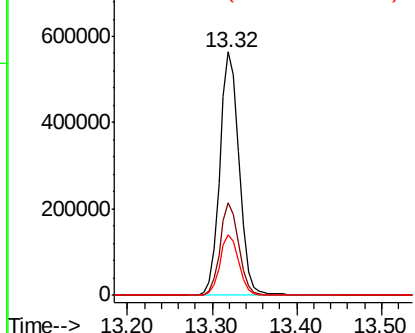
#45
 2-Fluorobiphenyl
 Concen: 94.962 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG041851.D
 Acq: 1 Aug 2019 2:30

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tgt Ion:172 Resp: 898116
 Ion Ratio Lower Upper
 172 100
 171 38.2 35.0 52.4
 170 24.7 23.5 35.3

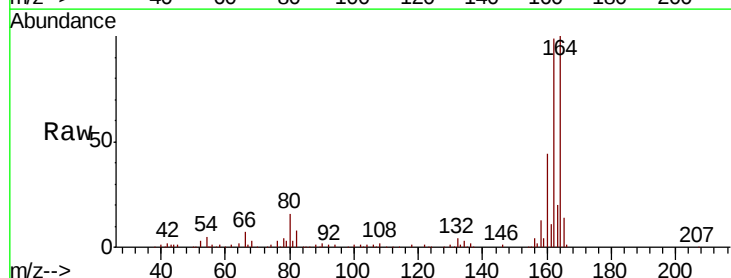


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

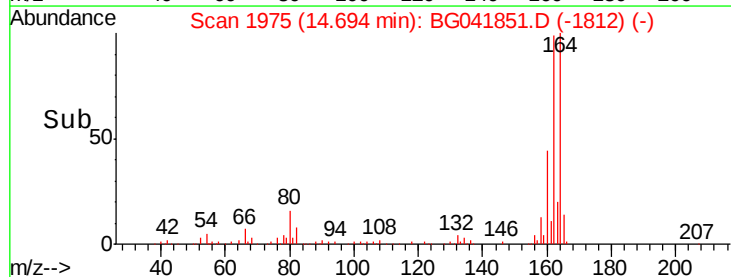
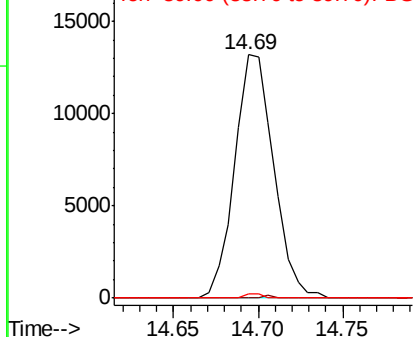


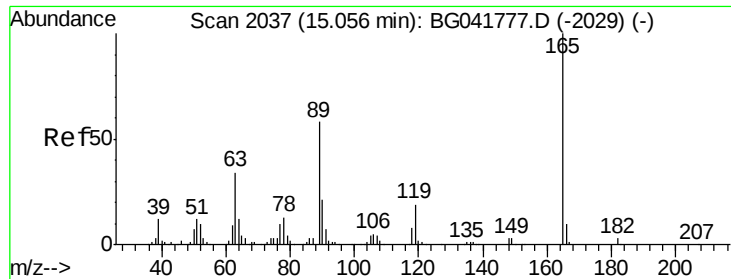
#51
 2,6-Dinitrotoluene
 Concen: 8.890 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.43 min
 Lab File: BG041851.D
 Acq: 1 Aug 2019 2:30

Tgt Ion:165 Resp: 21177
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.4 63.6#
 89 1.5 42.1 63.1#



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

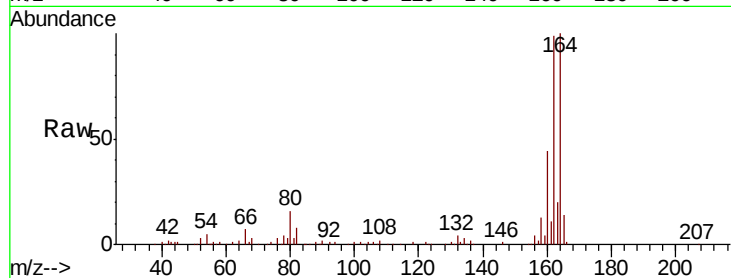




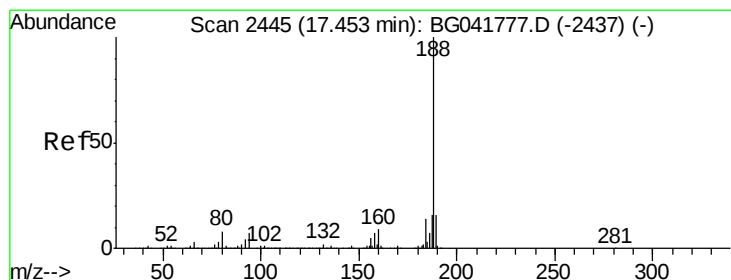
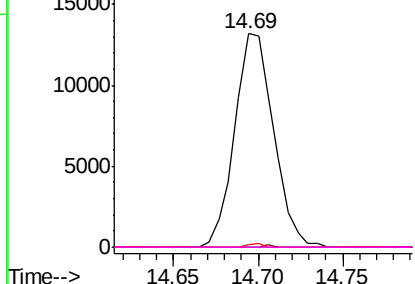
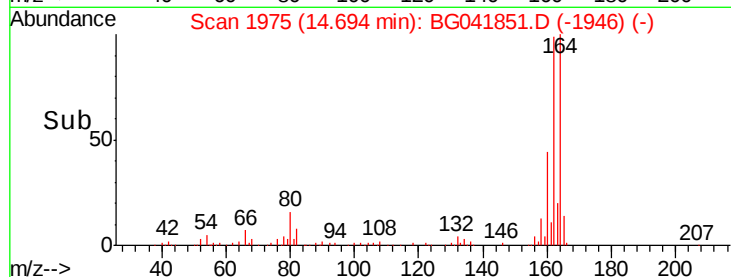
#57
 2,4-Dinitrotoluene
 Concen: 6.464 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.36 min
 Lab File: BG041851.D
 Acq: 1 Aug 2019 2:30

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tgt Ion:165 Resp: 21177
 Ion Ratio Lower Upper
 165 100
 63 0.0 31.7 47.5#
 89 1.5 50.2 75.4#
 182 0.0 2.6 4.0#

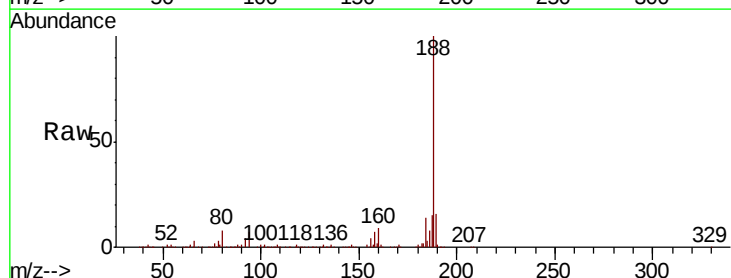


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

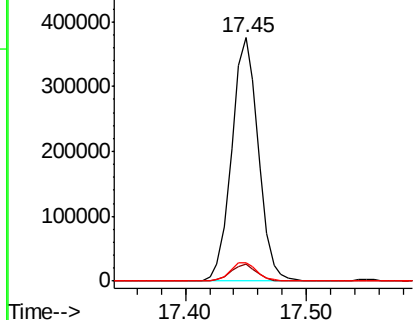
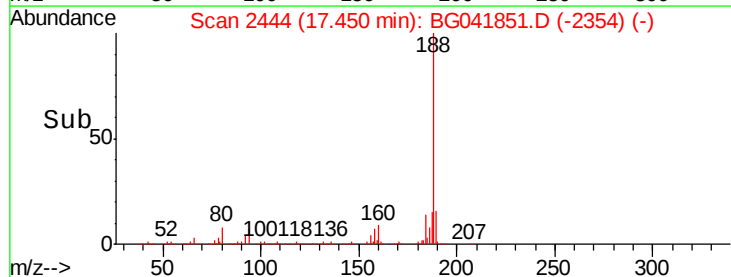


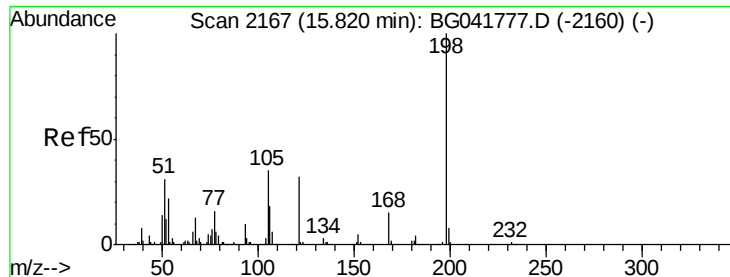
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BG041851.D
 Acq: 1 Aug 2019 2:30

Tgt Ion:188 Resp: 577186
 Ion Ratio Lower Upper
 188 100
 94 7.2 6.9 10.3
 80 7.8 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: 7.157 ng

RT: 16.19 min Scan# 2229

Delta R.T. 0.37 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

Instrument :

BNA_G

ClientSampleId :

TP-3

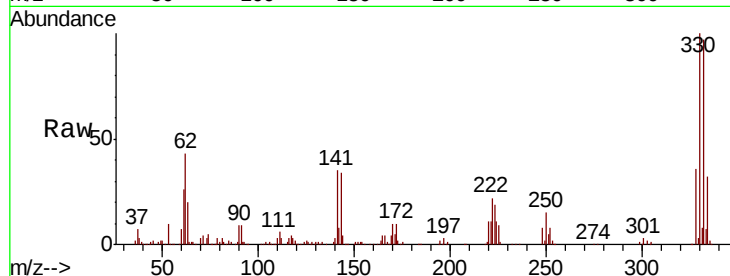
Tgt Ion:198 Resp: 1003

Ion Ratio Lower Upper

198 100

51 141.4 22.3 62.3#

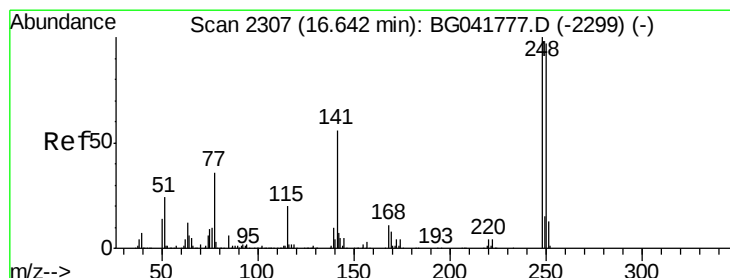
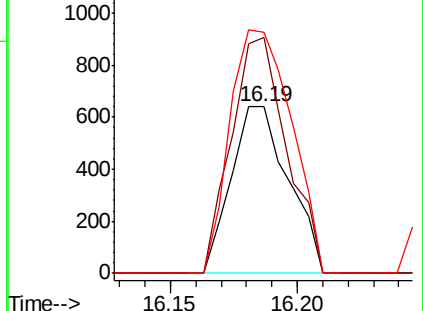
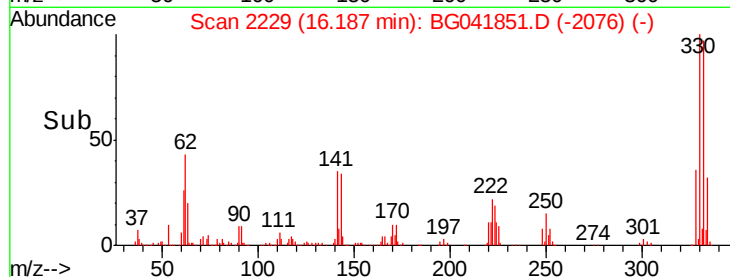
105 144.4 18.0 58.0#



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: 4.151 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.46 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

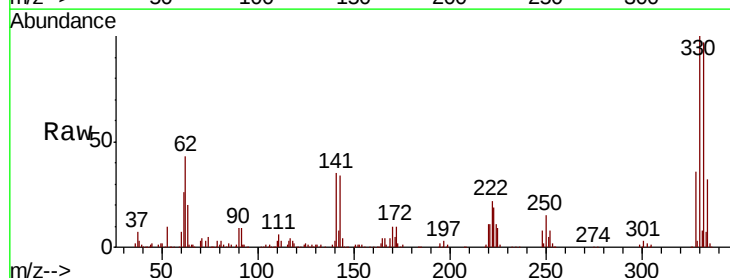
Tgt Ion:248 Resp: 29511

Ion Ratio Lower Upper

248 100

250 191.5 78.1 117.1#

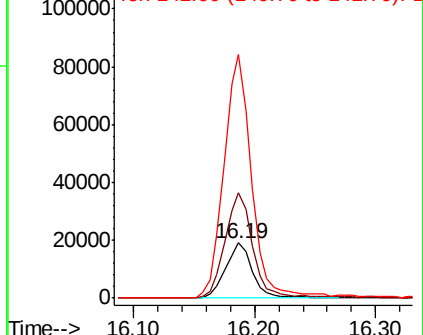
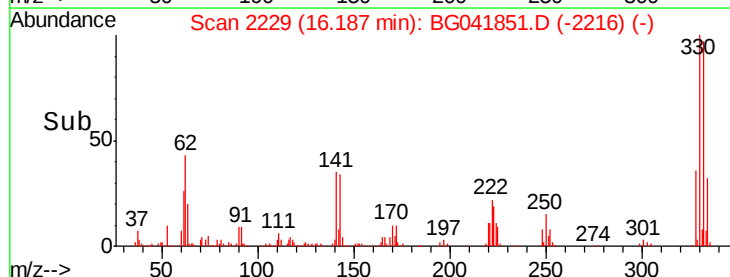
141 442.8 49.6 74.4#

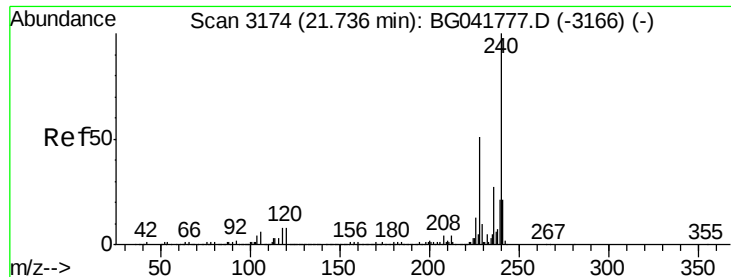


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

Instrument :

BNA_G

ClientSampleId :

TP-3

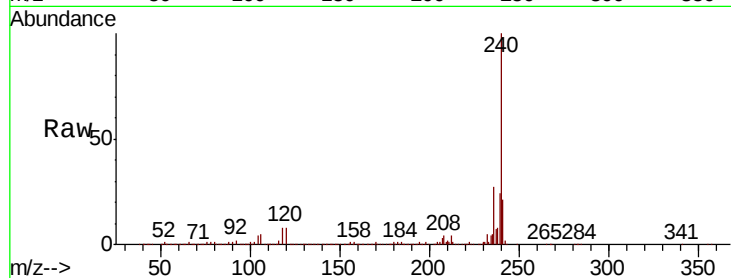
Tgt Ion:240 Resp: 744477

Ion Ratio Lower Upper

240 100

120 7.6 8.0 12.0#

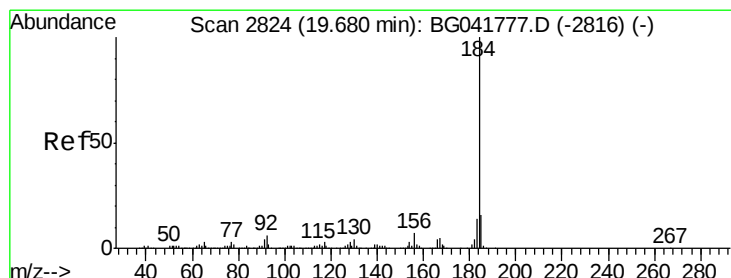
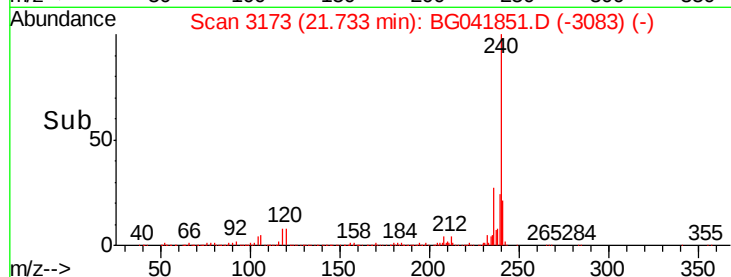
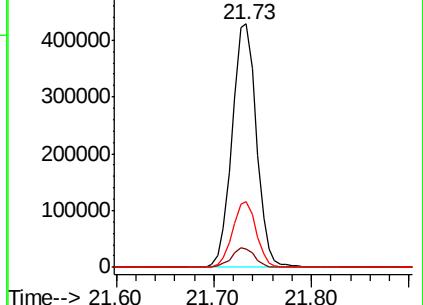
236 26.8 22.6 33.8



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



#77

Benzidine

Concen: 2.289 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.38 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

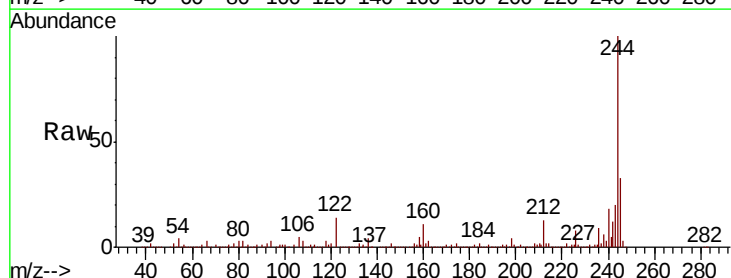
Tgt Ion:184 Resp: 55615

Ion Ratio Lower Upper

184 100

185 15.9 13.0 19.4

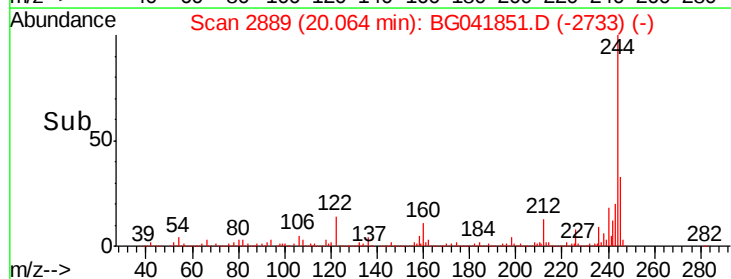
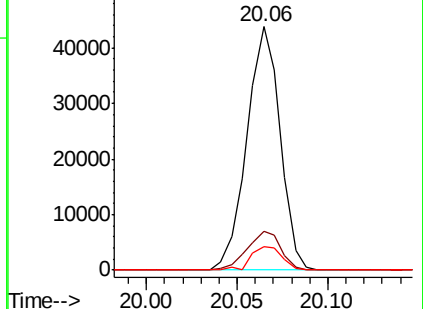
183 9.7 11.8 17.6#

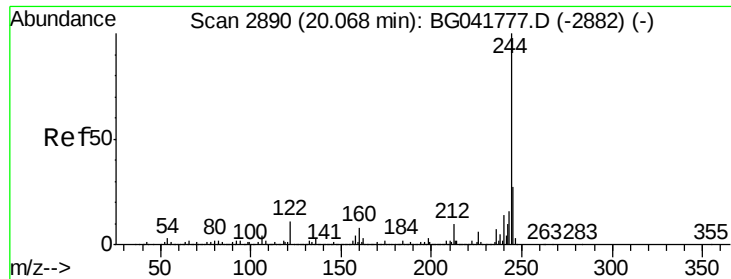


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 86.569 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

Instrument :

BNA_G

ClientSampleId :

TP-3

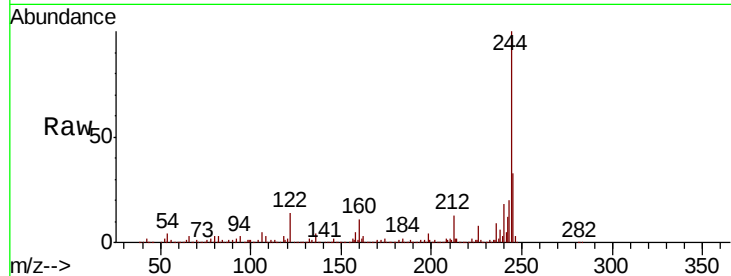
Tgt Ion:244 Resp: 2816502

Ion Ratio Lower Upper

244 100

212 12.6 9.7 14.5

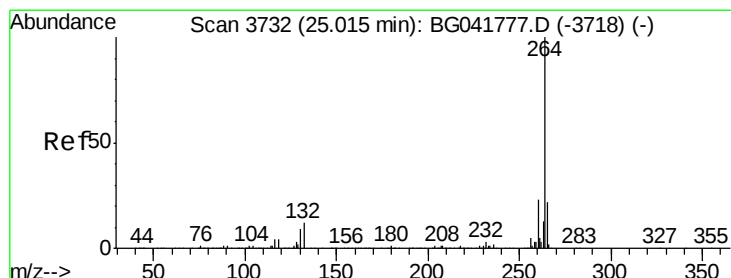
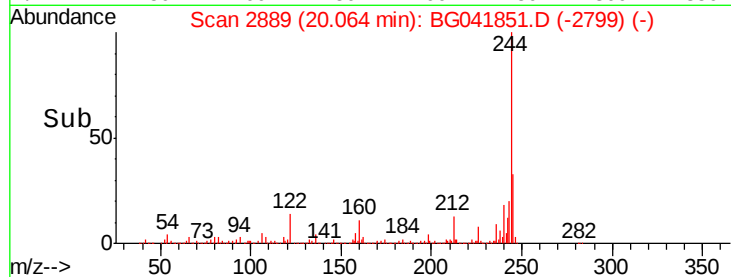
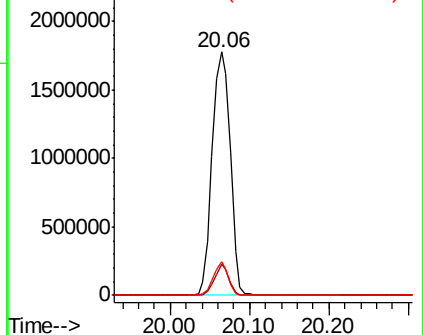
122 13.8 12.5 18.7



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: 25.01 min Scan# 3730

Delta R.T. -0.01 min

Lab File: BG041851.D

Acq: 1 Aug 2019 2:30

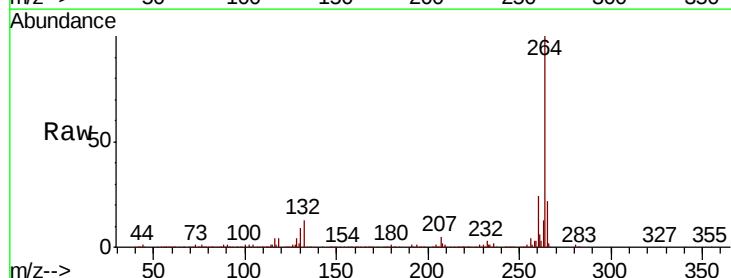
Tgt Ion:264 Resp: 755324

Ion Ratio Lower Upper

264 100

260 23.9 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

