

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041842.D
 Acq On : 31 Jul 2019 20:46
 Operator : HP/JU
 Sample : K4021-08RX
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Aug 01 01:50:28 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

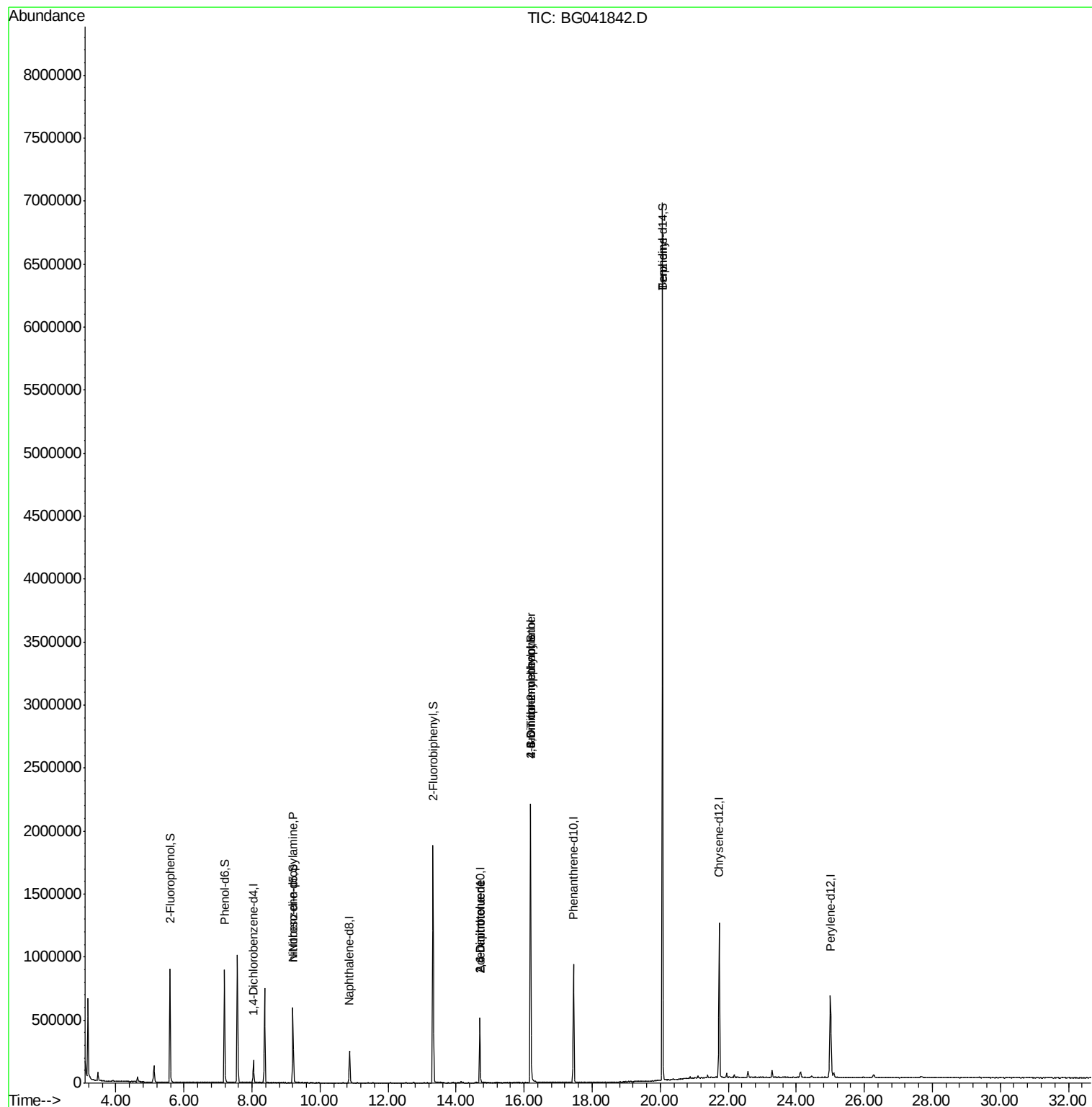
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	57884	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	240707	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	197452	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	626080	20.00	ng	0.00
76) Chrysene-d12	21.73	240	742664	20.00	ng	0.00
87) Perylene-d12	25.00	264	765931	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	416219	139.90	ng	0.00
7) Phenol-d6	7.19	99	551905	137.60	ng	0.00
23) Nitrobenzene-d5	9.20	82	374201	106.98	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	470604	209.83	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1102181	98.45	ng	0.00
79) Terphenyl-d14	20.07	244	2835739	87.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	49048	16.844	ng	# 67
51) 2,6-Dinitrotoluene	14.70	165	25995	9.219	ng	# 27
57) 2,4-Dinitrotoluene	14.70	165	25993	6.703	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.19	198	1255	7.203	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	35793	4.641	ng	# 1
77) Benzidine	20.07	184	55270	2.280	ng	# 92

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
Data File : BG041842.D
Acq On : 31 Jul 2019 20:46
Operator : HP/JU
Sample : K4021-08RX
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-9

Quant Time: Aug 01 01:50:28 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



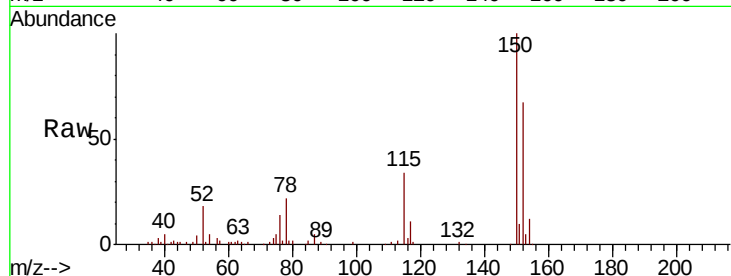


#1

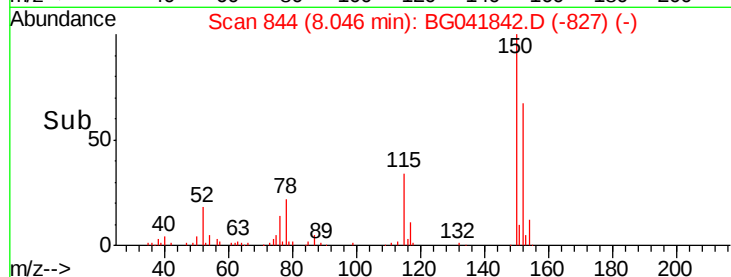
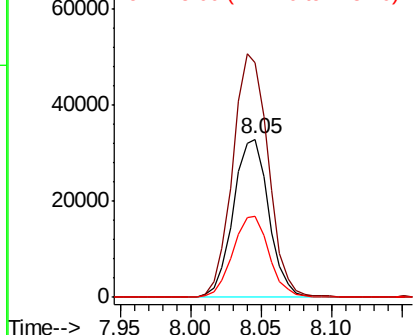
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BG041842.D
 Acq: 31 Jul 2019 20:46

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Tgt Ion:152 Resp: 57884
 Ion Ratio Lower Upper
 152 100
 150 148.5 126.9 190.3
 115 51.2 45.0 67.6



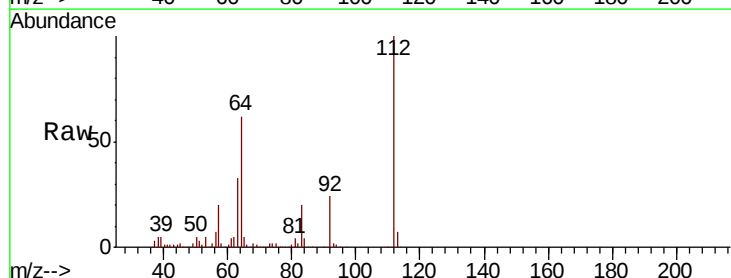
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



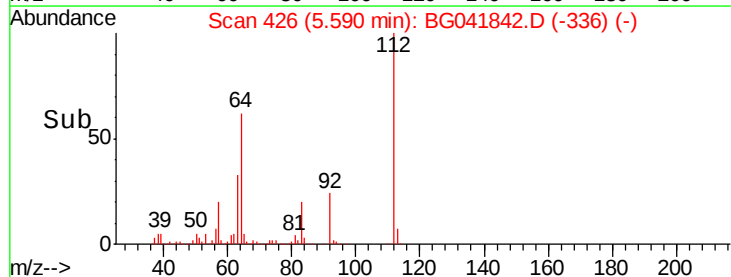
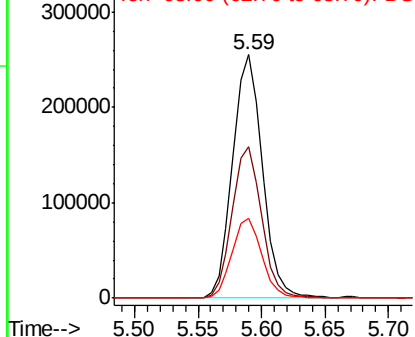
#5

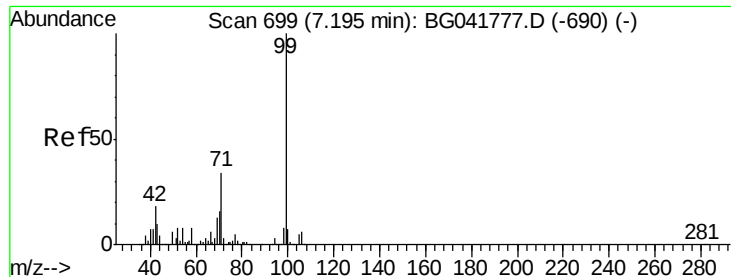
2-Fluorophenol
 Concen: 139.901 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BG041842.D
 Acq: 31 Jul 2019 20:46

Tgt Ion:112 Resp: 416219
 Ion Ratio Lower Upper
 112 100
 64 62.1 55.4 83.2
 63 32.7 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: 137.601 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG041842.D

Acq: 31 Jul 2019 20:46

Instrument :

BNA_G

ClientSampleId :

TP-9

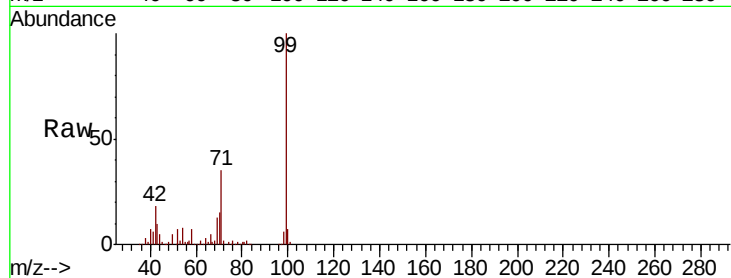
Tgt Ion: 99 Resp: 551905

Ion Ratio Lower Upper

99 100

42 18.4 17.6 26.4

71 34.6 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

400000

300000

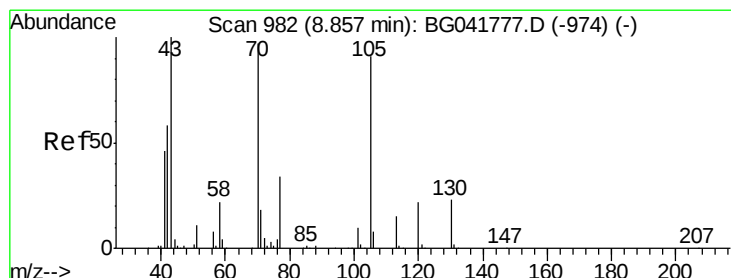
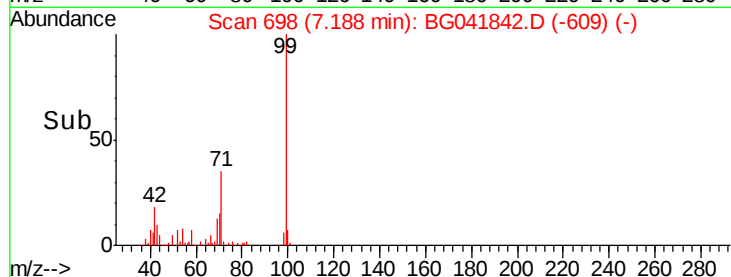
200000

100000

0

7.10 7.20 7.30 7.40

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 16.844 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041842.D

Acq: 31 Jul 2019 20:46

Tgt Ion: 70 Resp: 49048

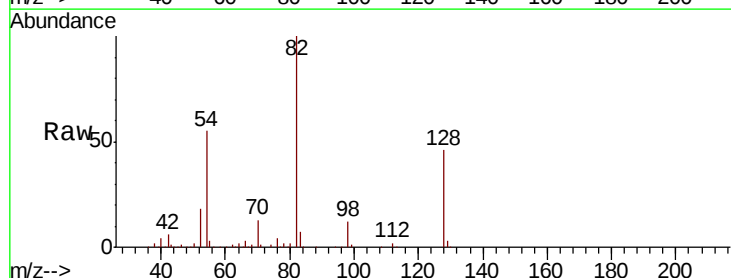
Ion Ratio Lower Upper

70 100

42 44.1 55.8 83.6#

101 0.0 8.1 12.1#

130 2.3 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

40000

30000

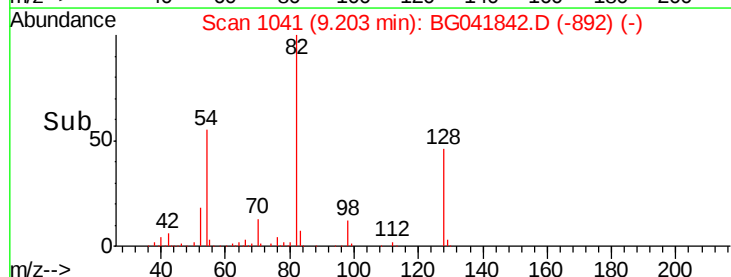
20000

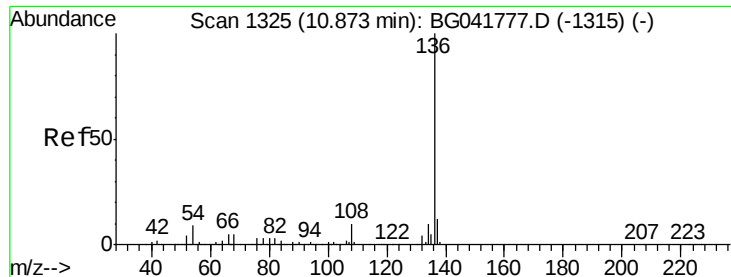
10000

0

9.10 9.20 9.30 9.40

Time-->

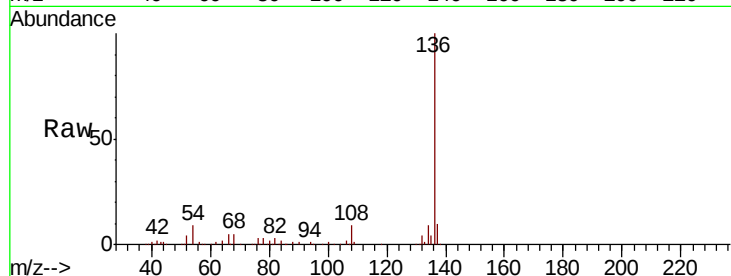




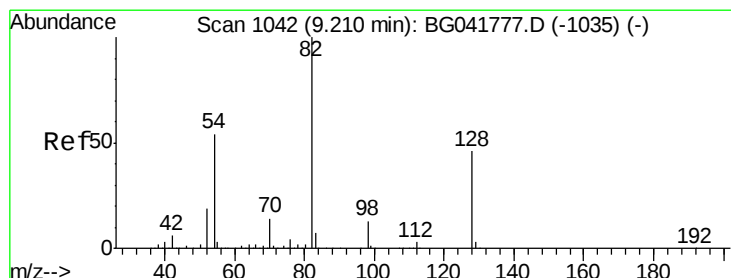
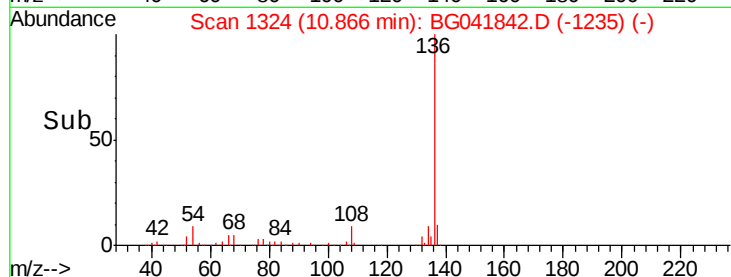
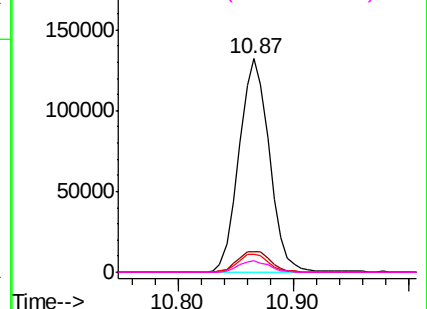
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041842.D
Acq: 31 Jul 2019 20:46

Instrument :
BNA_G
ClientSampleId :
TP-9

Tgt Ion:	136	Resp:	240707
Ion	Ratio	Lower	Upper
136	100		
137	9.8	9.2	13.8
54	8.5	8.7	13.1#
68	5.4	5.5	8.3#

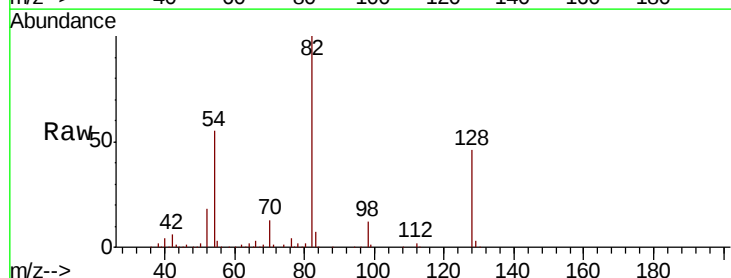


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

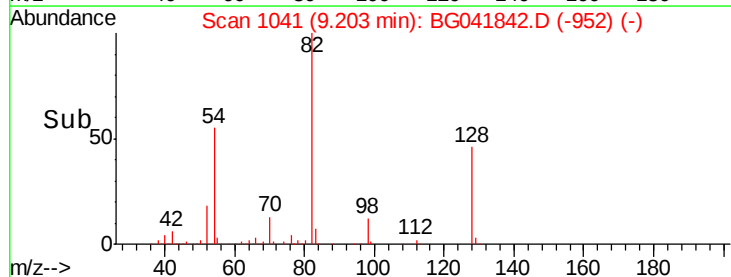
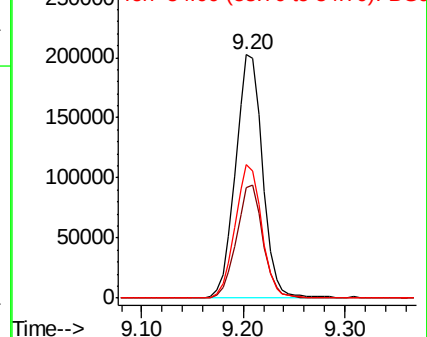


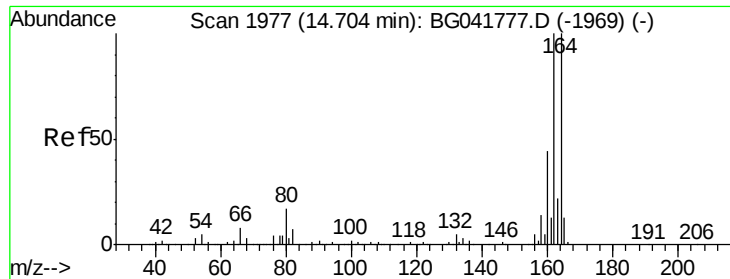
#23
Nitrobenzene-d5
Concen: 106.981 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041842.D
Acq: 31 Jul 2019 20:46

Tgt Ion:	82	Resp:	374201
Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.1	52.7
54	54.9	48.7	73.1



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG041842.D

Acq: 31 Jul 2019 20:46

Instrument :

BNA_G

ClientSampleId :

TP-9

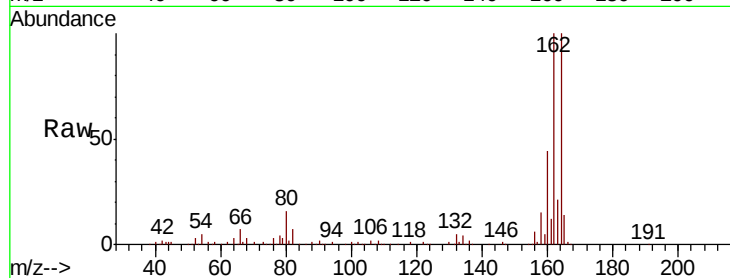
Tgt Ion:164 Resp: 197452

Ion Ratio Lower Upper

164 100

162 99.8 79.6 119.4

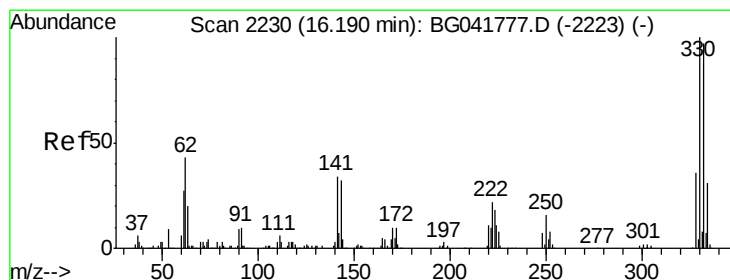
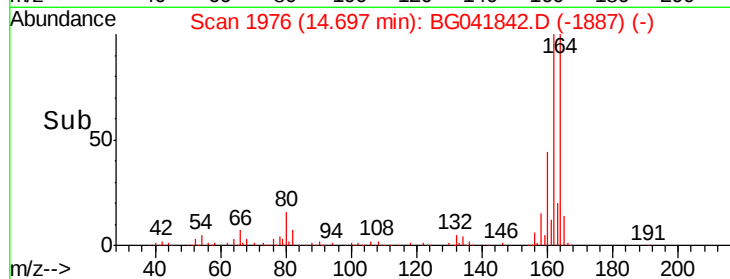
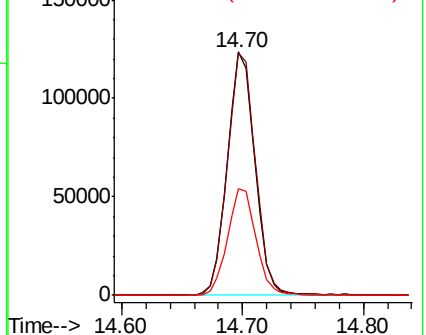
160 43.8 35.4 53.0



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: 209.830 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG041842.D

Acq: 31 Jul 2019 20:46

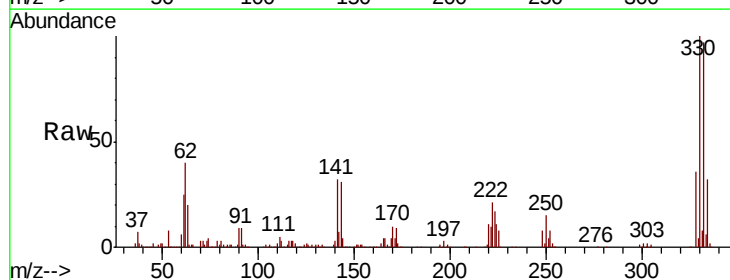
Tgt Ion:330 Resp: 470604

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

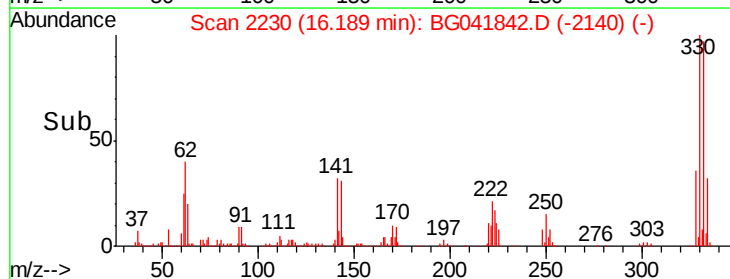
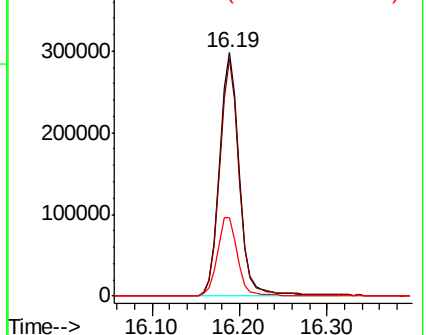
141 33.0 31.9 47.9

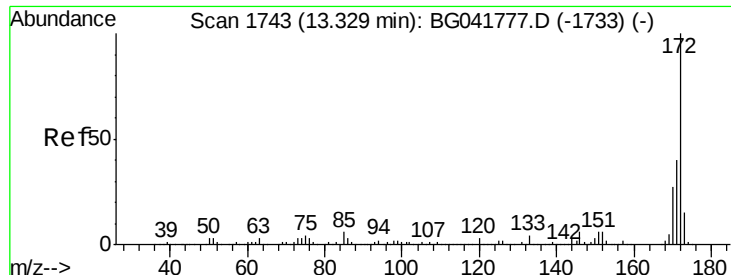


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

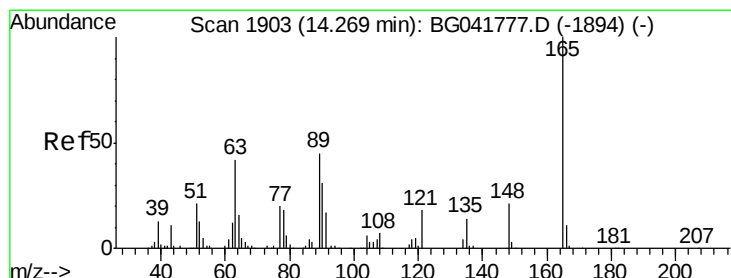
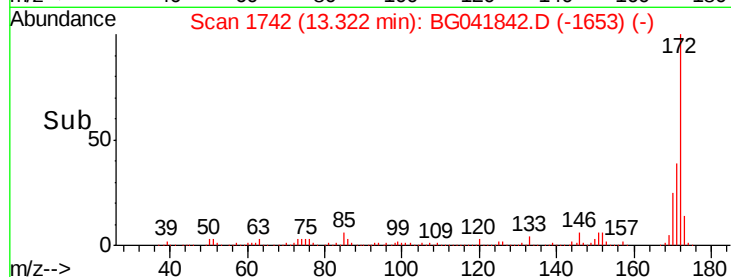
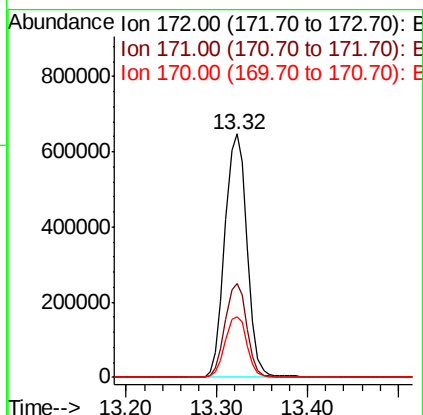
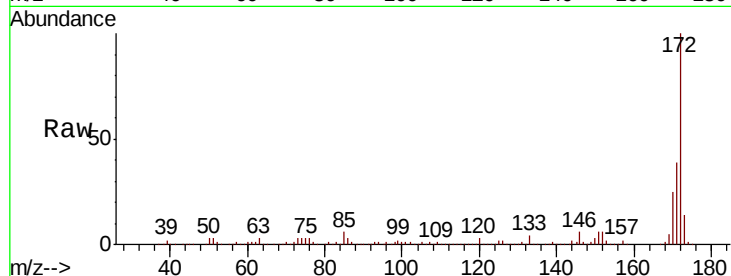




#45
 2-Fluorobiphenyl
 Concen: 98.451 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: BG041842.D
 Acq: 31 Jul 2019 20:46

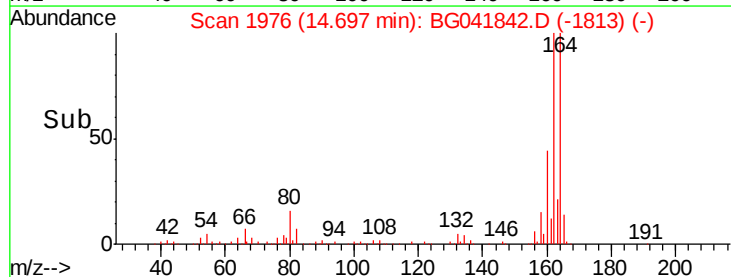
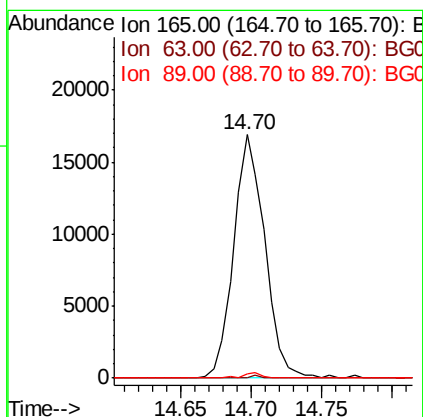
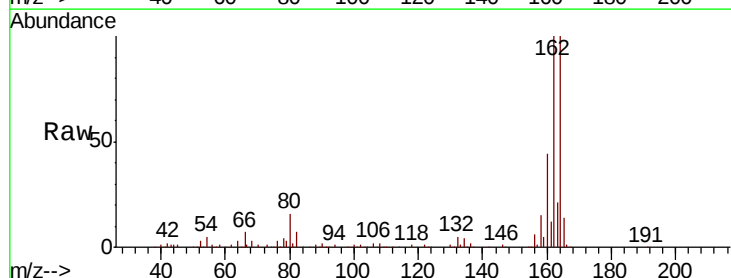
Instrument :
 BNA_G
 ClientSampleId :
 TP-9

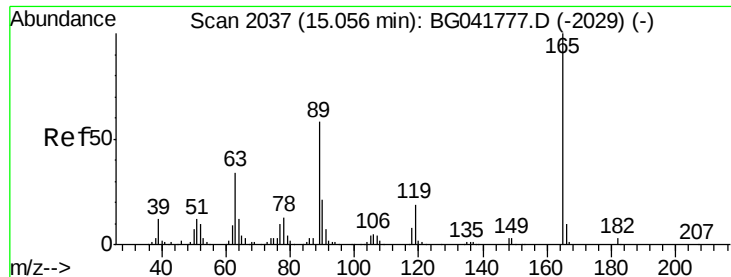
Tgt Ion:172 Resp: 1102181
 Ion Ratio Lower Upper
 172 100
 171 38.6 35.0 52.4
 170 24.8 23.5 35.3



#51
 2,6-Dinitrotoluene
 Concen: 9.219 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.43 min
 Lab File: BG041842.D
 Acq: 31 Jul 2019 20:46

Tgt Ion:165 Resp: 25995
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.4 63.6#
 89 2.0 42.1 63.1#

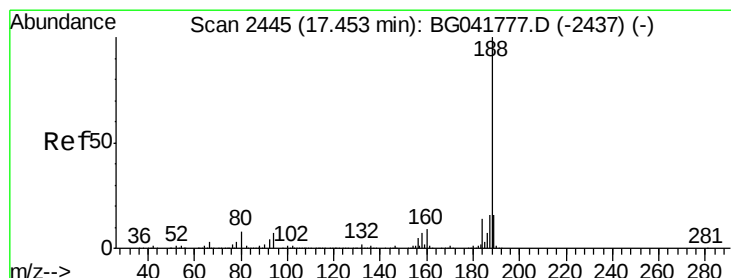
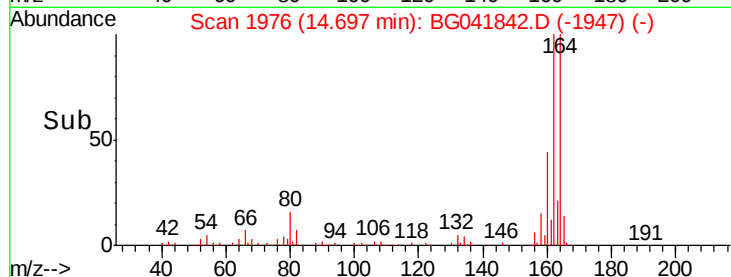
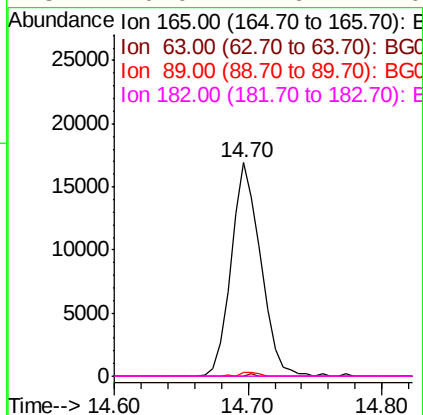
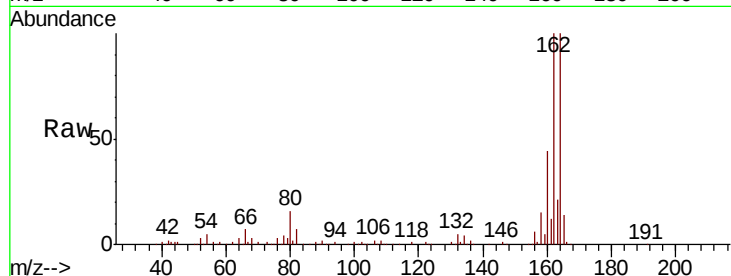




#57
 2,4-Dinitrotoluene
 Concen: 6.703 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG041842.D
 Acq: 31 Jul 2019 20:46

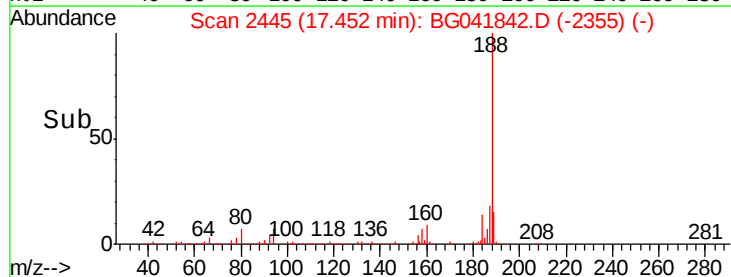
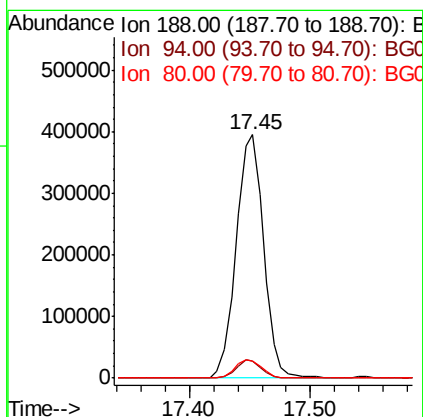
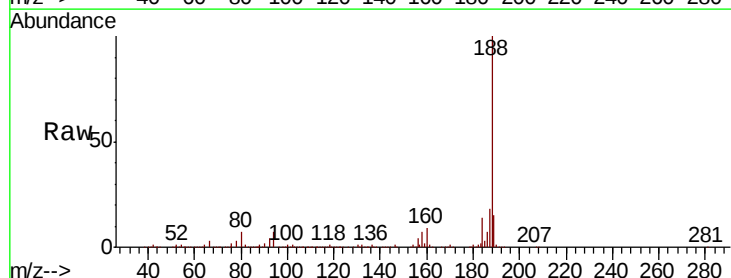
Instrument :
 BNA_G
 ClientSampleId :
 TP-9

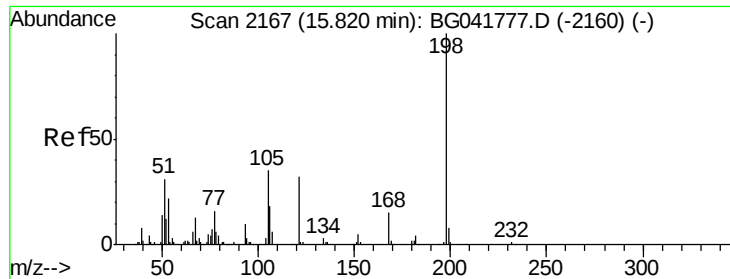
Tgt Ion:165 Resp: 25993
 Ion Ratio Lower Upper
 165 100
 63 0.0 31.7 47.5#
 89 2.0 50.2 75.4#
 182 0.0 2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.00 min
 Lab File: BG041842.D
 Acq: 31 Jul 2019 20:46

Tgt Ion:188 Resp: 626080
 Ion Ratio Lower Upper
 188 100
 94 6.8 6.9 10.3#
 80 7.2 8.0 12.0#

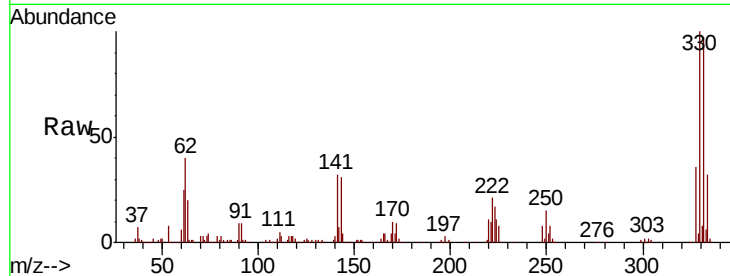




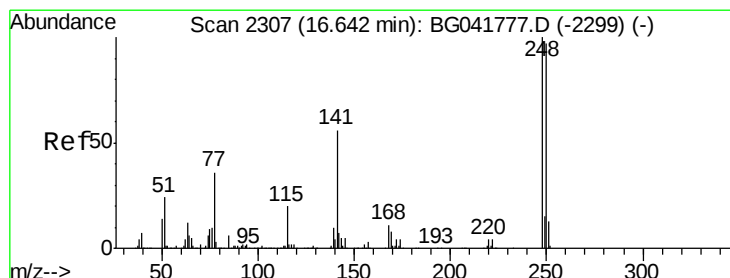
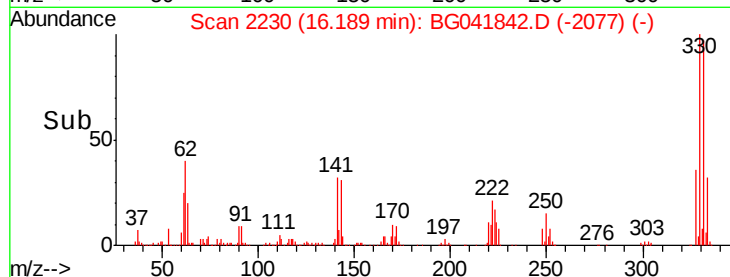
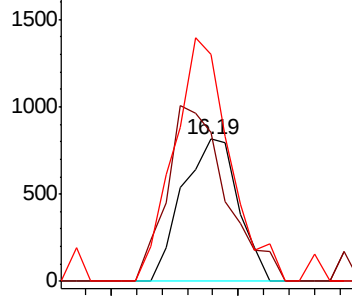
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.203 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.37 min
 Lab File: BG041842.D
 Acq: 31 Jul 2019 20:46

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Tgt Ion:198 Resp: 1255
 Ion Ratio Lower Upper
 198 100
 51 104.4 22.3 62.3#
 105 159.4 18.0 58.0#

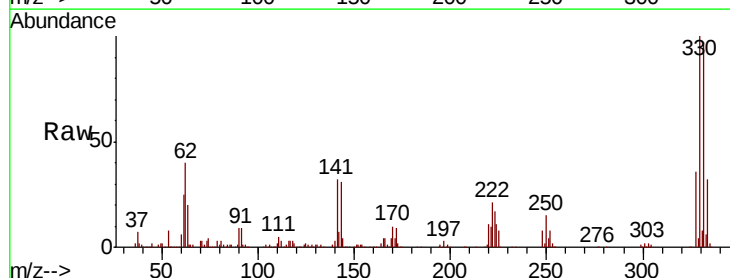


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

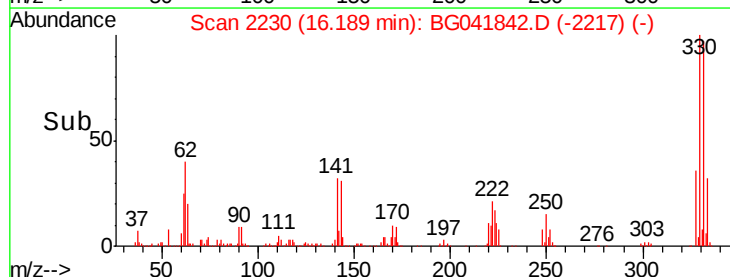
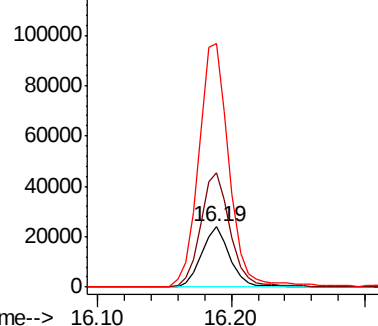


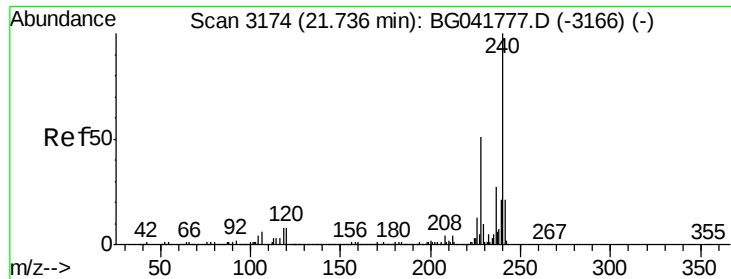
#67
 4-Bromophenyl-phenylether
 Concen: 4.641 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.45 min
 Lab File: BG041842.D
 Acq: 31 Jul 2019 20:46

Tgt Ion:248 Resp: 35793
 Ion Ratio Lower Upper
 248 100
 250 188.5 78.1 117.1#
 141 402.4 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

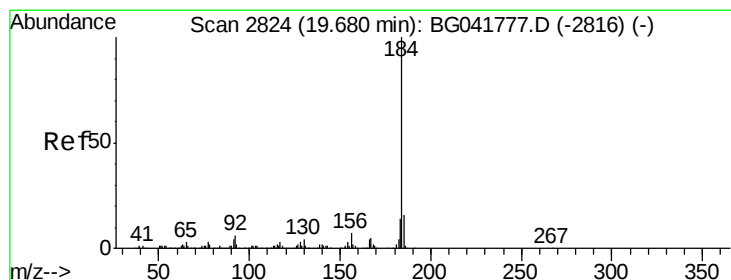
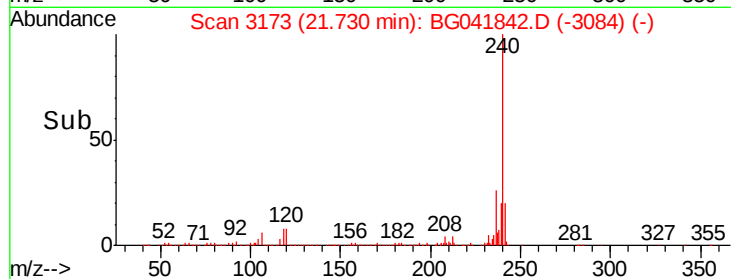
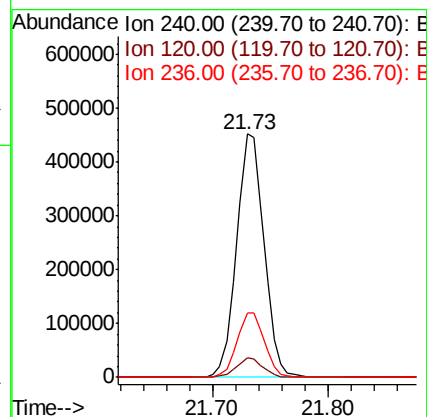
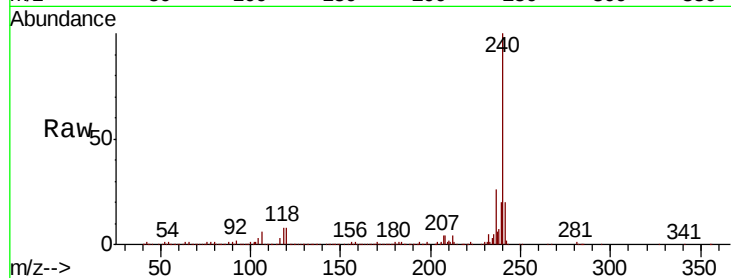




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG041842.D
Acq: 31 Jul 2019 20:46

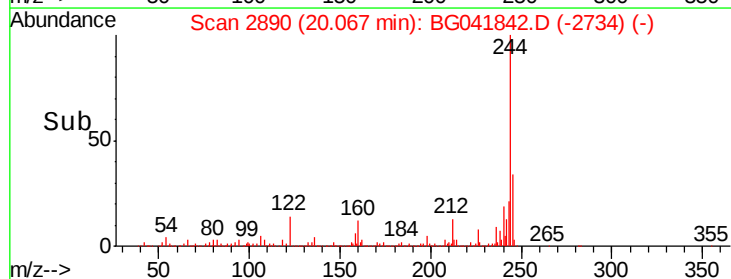
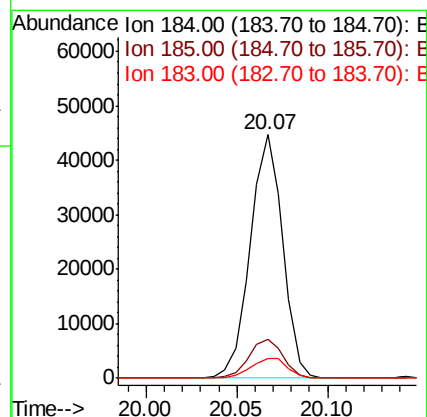
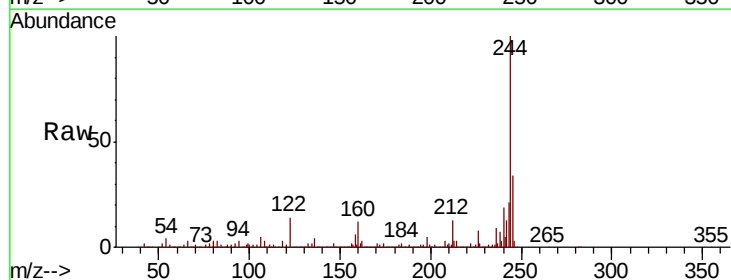
Instrument :
BNA_G
ClientSampleId :
TP-9

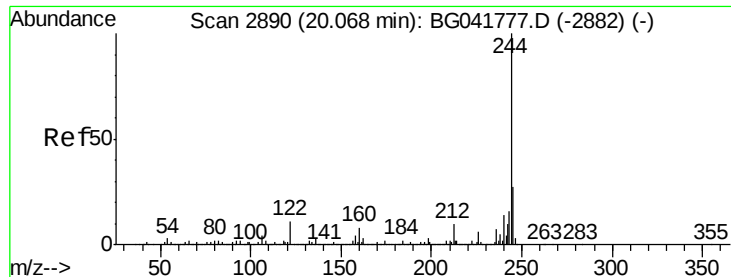
Tgt Ion:240 Resp: 742664
Ion Ratio Lower Upper
240 100
120 8.1 8.0 12.0
236 26.3 22.6 33.8



#77
Benzidine
Concen: 2.280 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.39 min
Lab File: BG041842.D
Acq: 31 Jul 2019 20:46

Tgt Ion:184 Resp: 55270
Ion Ratio Lower Upper
184 100
185 16.2 13.0 19.4
183 7.9 11.8 17.6#





#79

Terphenyl-d14

Concen: 87.373 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.00 min

Lab File: BG041842.D

Acq: 31 Jul 2019 20:46

Instrument :

BNA_G

ClientSampleId :

TP-9

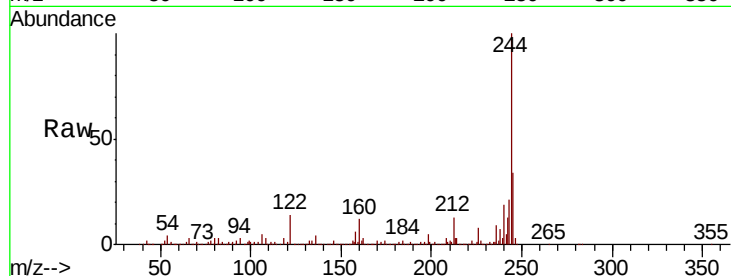
Tgt Ion:244 Resp: 2835739

Ion Ratio Lower Upper

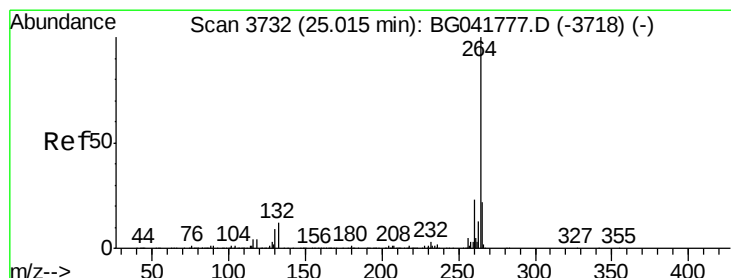
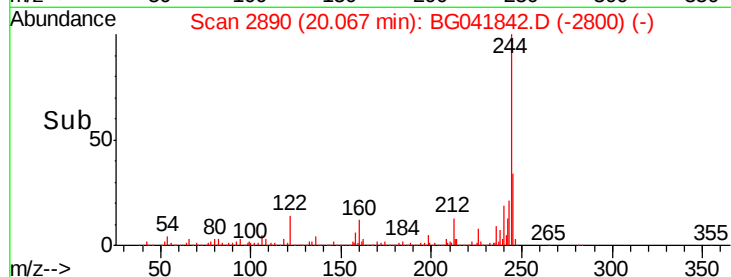
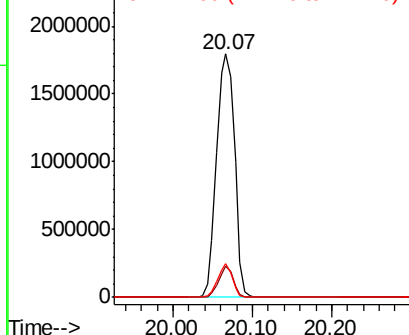
244 100

212 12.8 9.7 14.5

122 14.0 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: BG041842.D

Acq: 31 Jul 2019 20:46

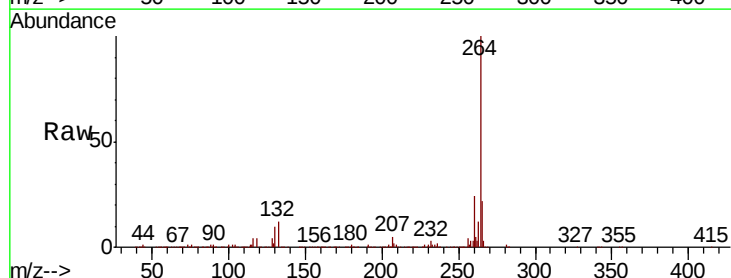
Tgt Ion:264 Resp: 765931

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 22.3 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

