

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041850.D
 Acq On : 1 Aug 2019 1:52
 Operator : HP/JU
 Sample : K4044-16RX
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Aug 01 04:02:51 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

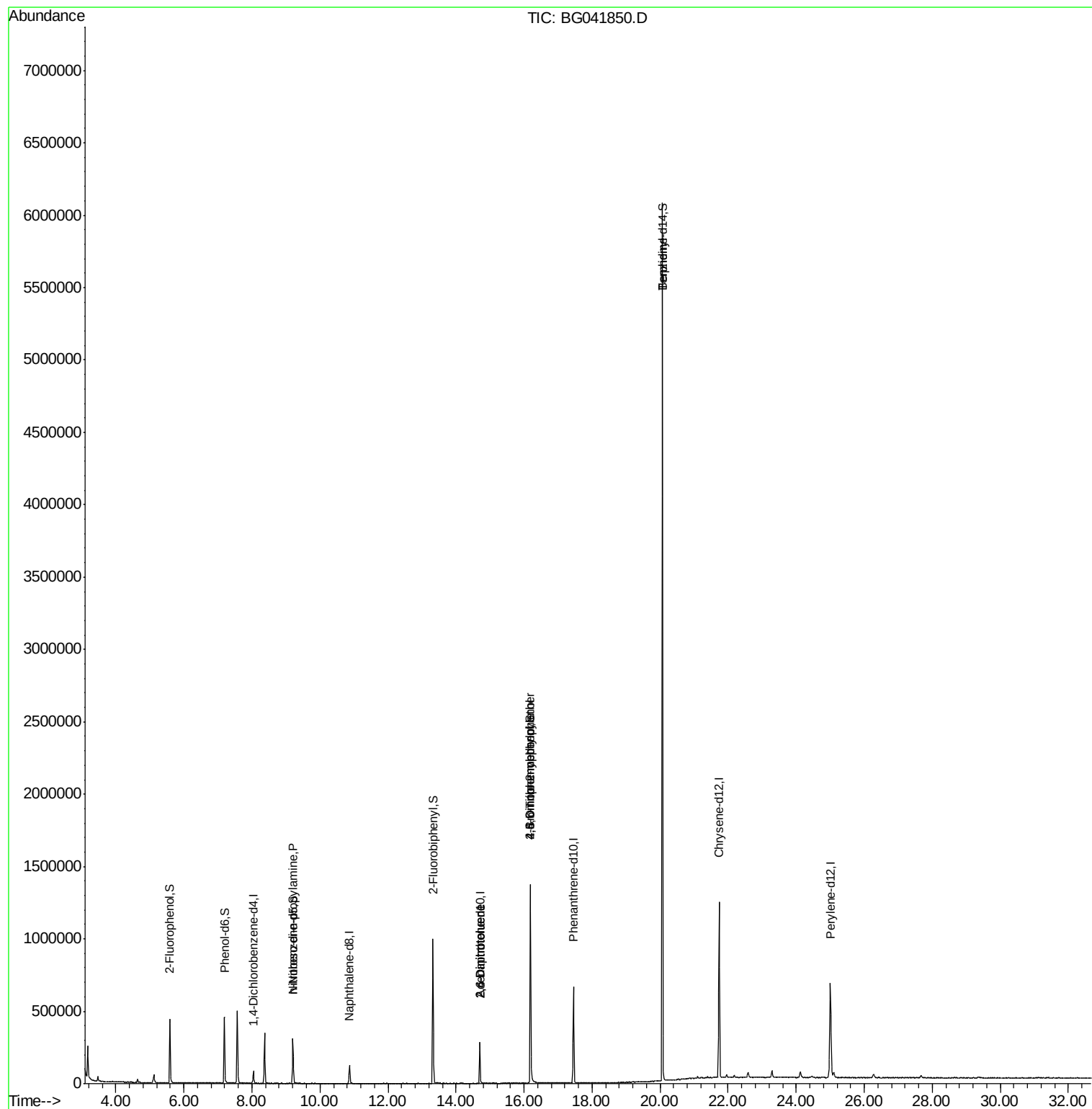
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	26261	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	121730	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	109308	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	443859	20.00	ng	0.00
76) Chrysene-d12	21.73	240	734581	20.00	ng	0.00
87) Perylene-d12	25.00	264	764735	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	217346	161.03	ng	0.00
7) Phenol-d6	7.18	99	293129	161.09	ng	-0.01
23) Nitrobenzene-d5	9.20	82	193797	109.56	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	301118	242.53	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	579760	93.55	ng	-0.01
79) Terphenyl-d14	20.06	244	2721893	84.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	25403	19.229	ng	# 71
51) 2,6-Dinitrotoluene	14.70	165	13834	8.862	ng	# 28
57) 2,4-Dinitrotoluene	14.70	165	13834	6.444	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.18	198	763	7.153	ng	# 1
67) 4-Bromophenyl-phenylether	16.18	248	23131	4.231	ng	# 1
77) Benzidine	20.06	184	51383	2.143	ng	# 92

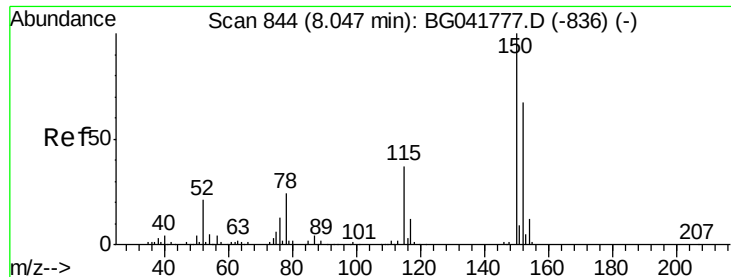
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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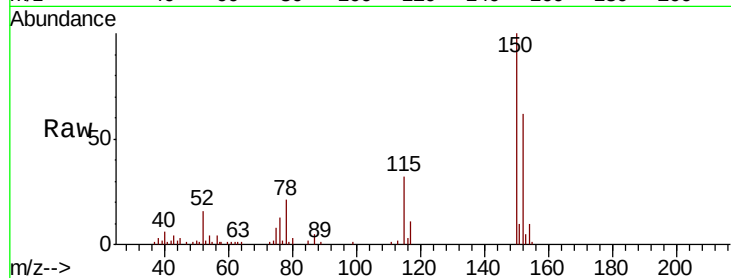


#1

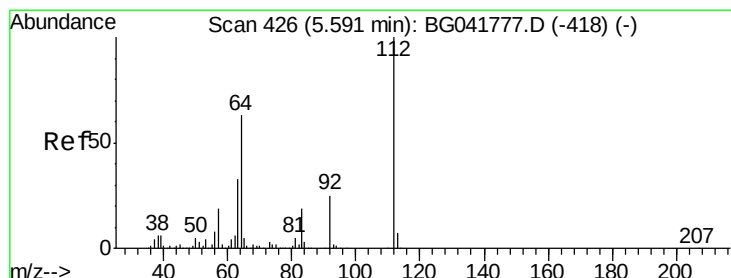
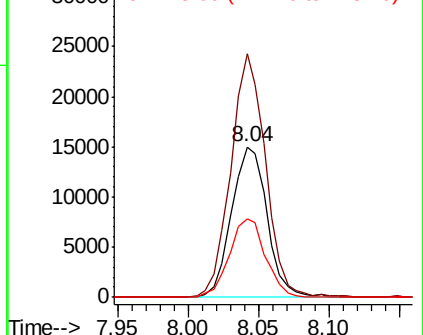
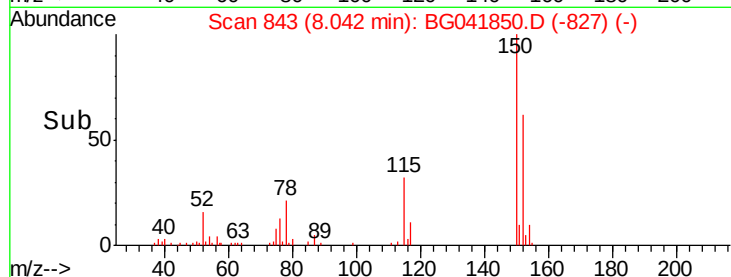
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041850.D
Acq: 1 Aug 2019 1:52

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.0	126.9	190.3
115	52.6	45.0	67.6



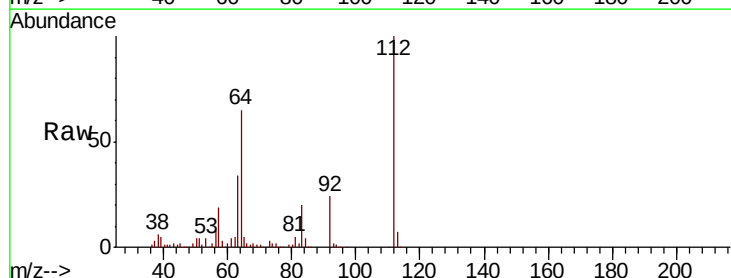
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



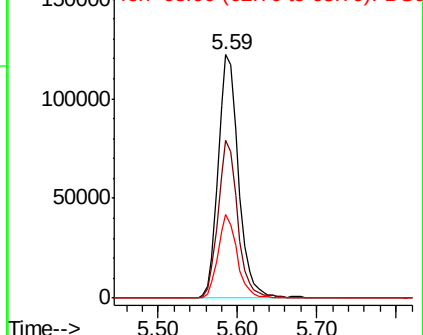
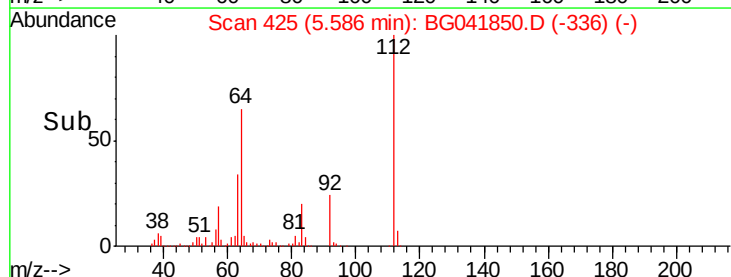
#5

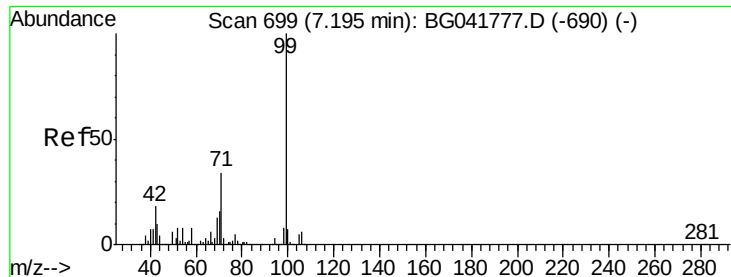
2-Fluorophenol
Concen: 161.027 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.01 min
Lab File: BG041850.D
Acq: 1 Aug 2019 1:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	55.4	83.2
63	34.3	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: 161.088 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG041850.D

Acq: 1 Aug 2019 1:52

Instrument :

BNA_G

ClientSampleId :

TP-4

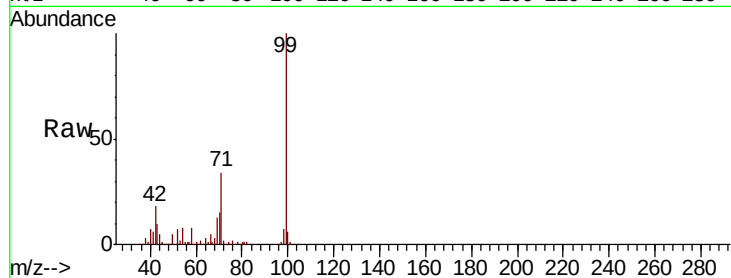
Tgt Ion: 99 Resp: 293129

Ion Ratio Lower Upper

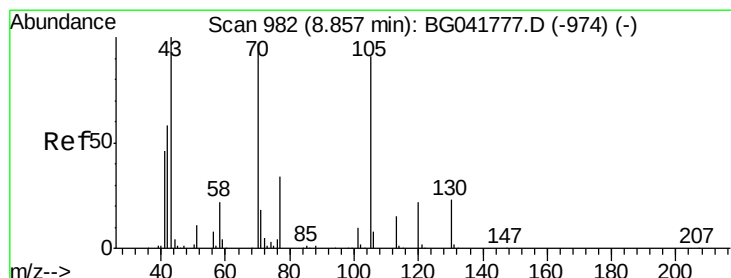
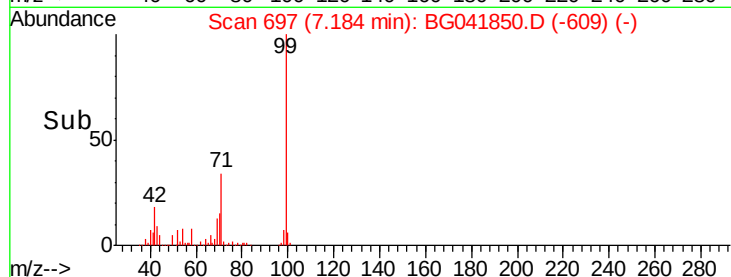
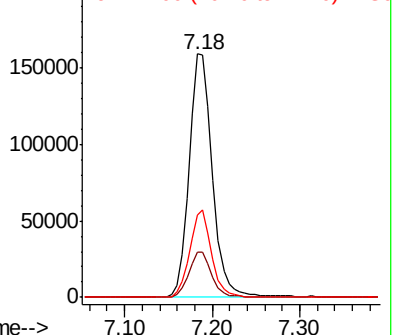
99 100

42 18.3 17.6 26.4

71 33.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 19.229 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041850.D

Acq: 1 Aug 2019 1:52

Tgt Ion: 70 Resp: 25403

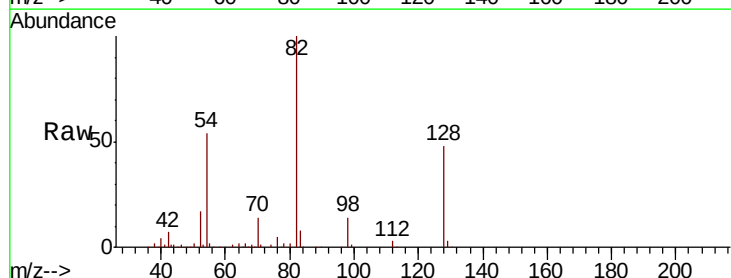
Ion Ratio Lower Upper

70 100

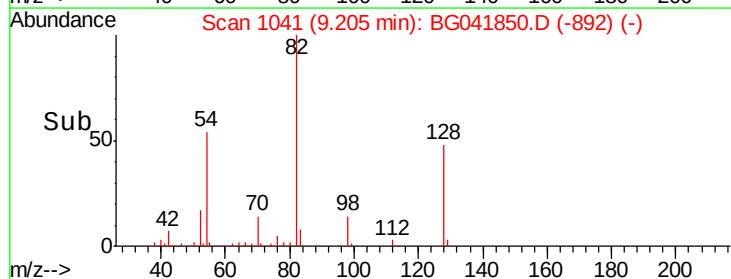
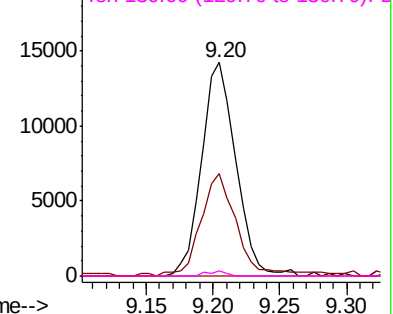
42 48.1 55.8 83.6#

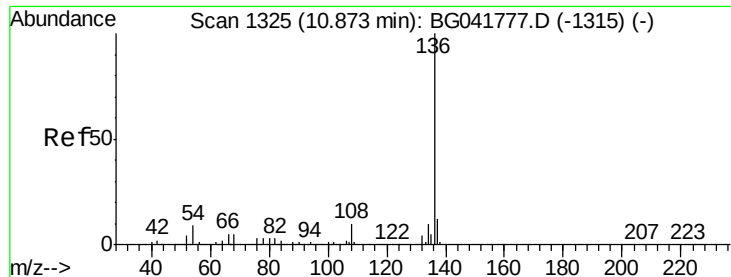
101 0.0 8.1 12.1#

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

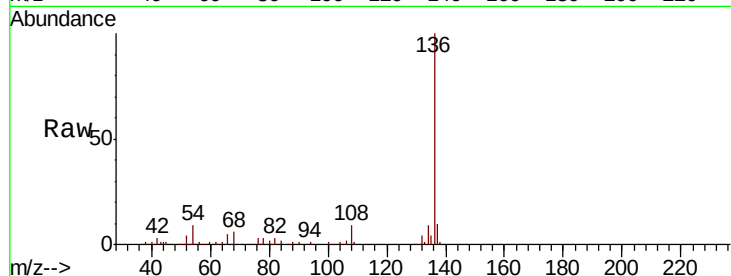




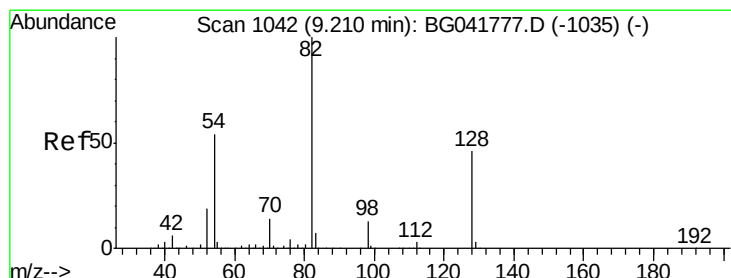
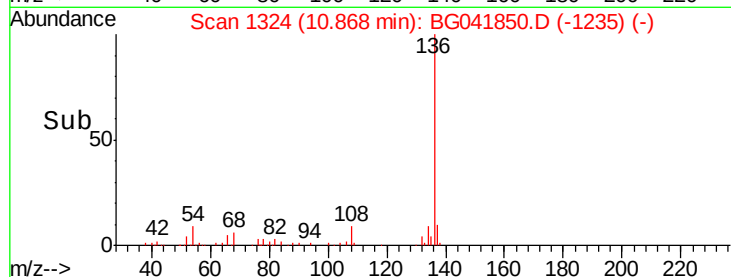
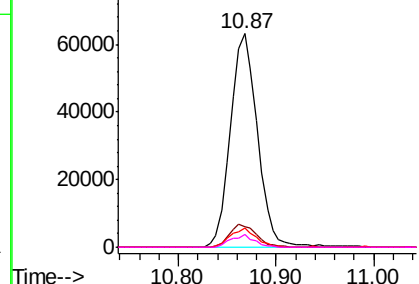
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041850.D
Acq: 1 Aug 2019 1:52

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:	136	Resp:	121730
Ion	Ratio	Lower	Upper
136	100		
137	9.6	9.2	13.8
54	9.1	8.7	13.1
68	6.2	5.5	8.3

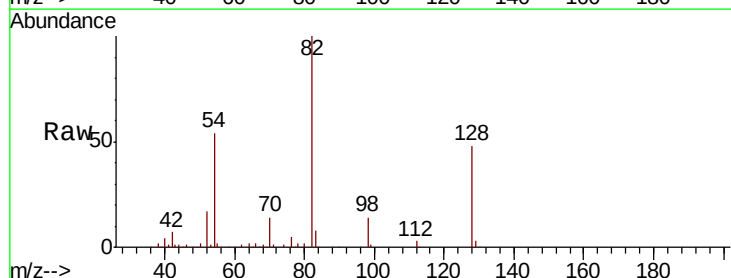


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

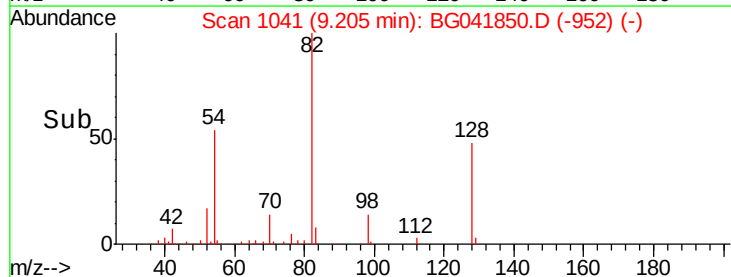
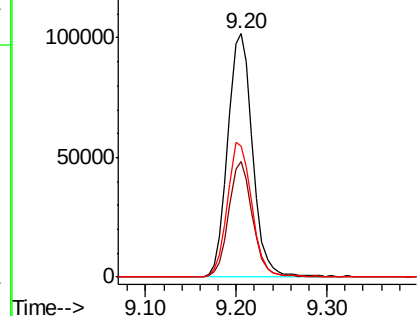


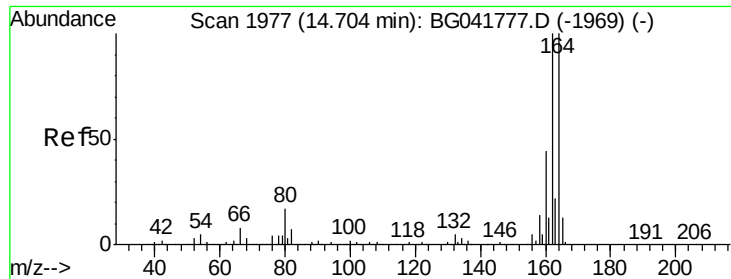
#23
Nitrobenzene-d5
Concen: 109.557 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041850.D
Acq: 1 Aug 2019 1:52

Tgt Ion:	82	Resp:	193797
Ion	Ratio	Lower	Upper
82	100		
128	47.6	35.1	52.7
54	53.8	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

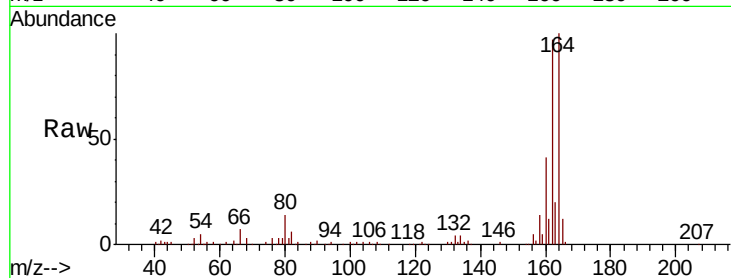




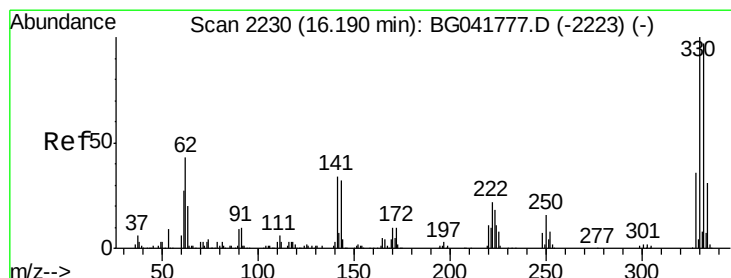
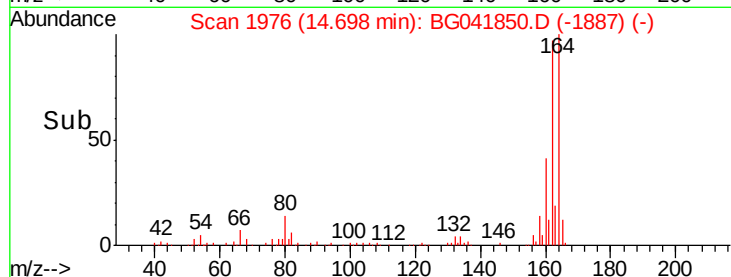
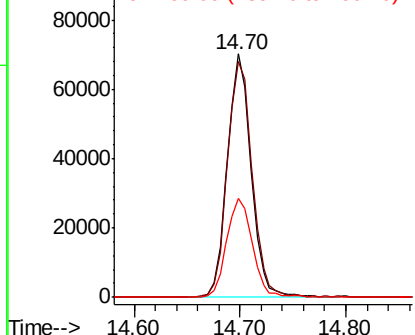
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG041850.D
Acq: 1 Aug 2019 1:52

Instrument :
BNA_G
ClientSampled :
TP-4

Tgt Ion:164 Resp: 109308
Ion Ratio Lower Upper
164 100
162 97.1 79.6 119.4
160 40.6 35.4 53.0

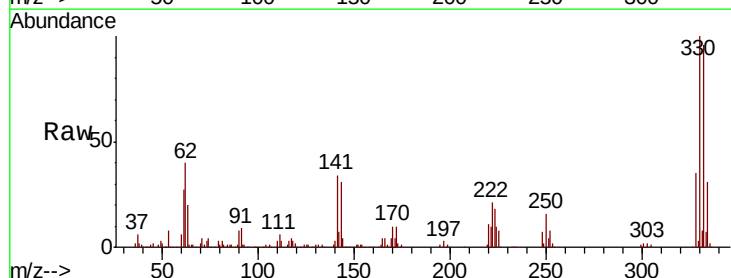


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

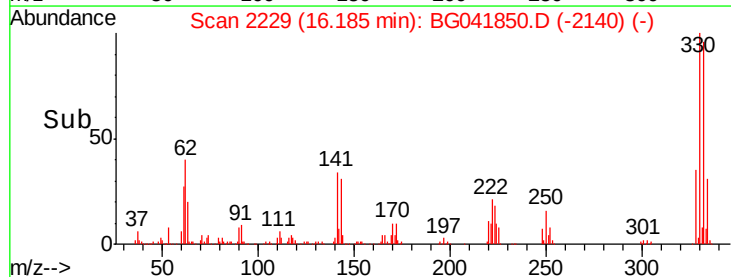
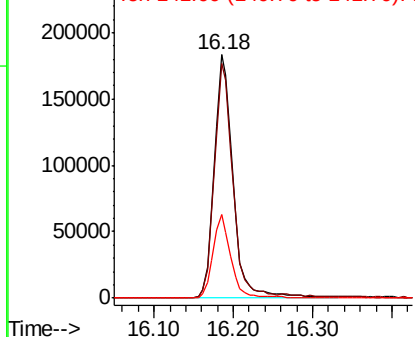


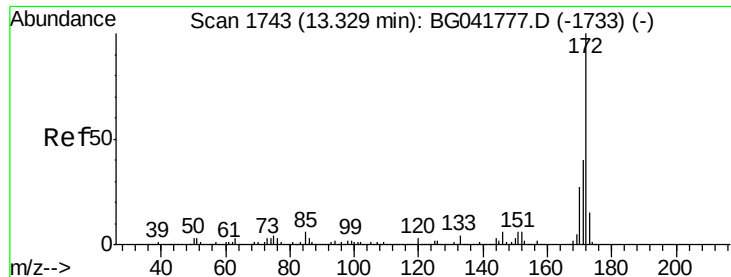
#42
2,4,6-Tribromophenol
Concen: 242.526 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BG041850.D
Acq: 1 Aug 2019 1:52

Tgt Ion:330 Resp: 301118
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 32.8 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

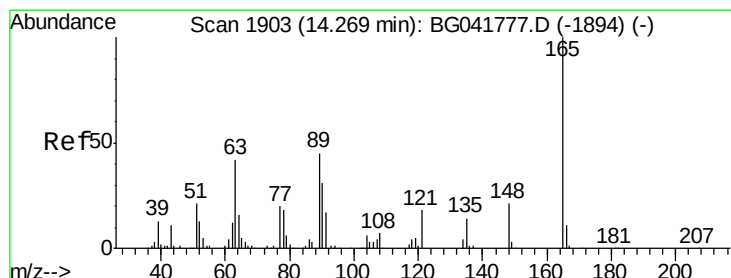
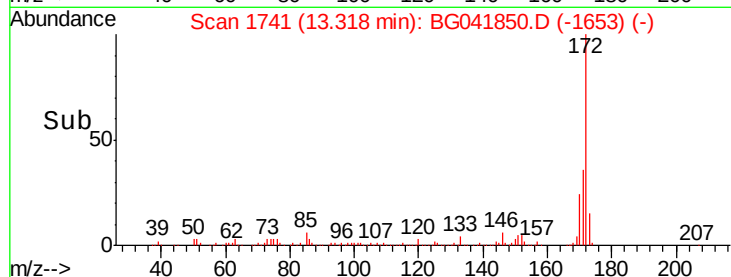
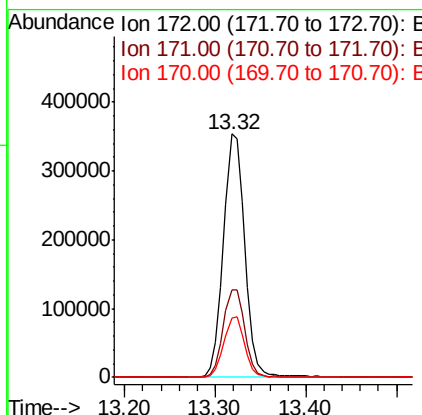
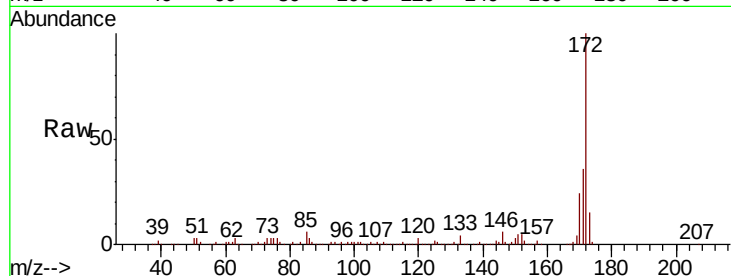




#45
 2-Fluorobiphenyl
 Concen: 93.546 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG041850.D
 Acq: 1 Aug 2019 1:52

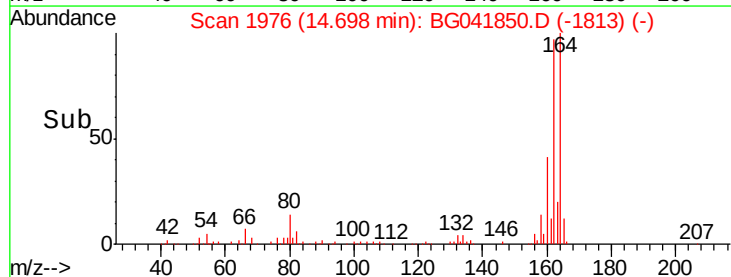
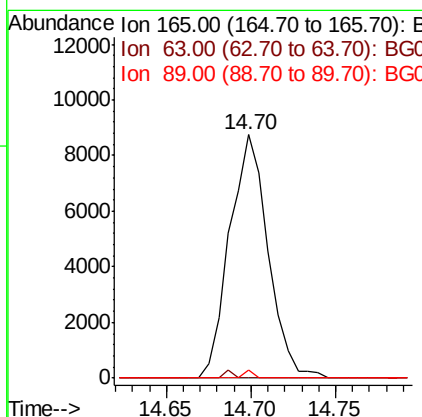
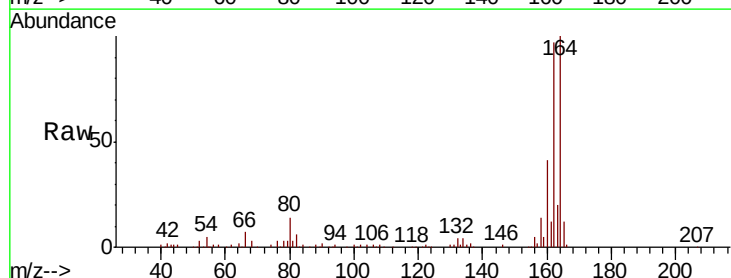
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

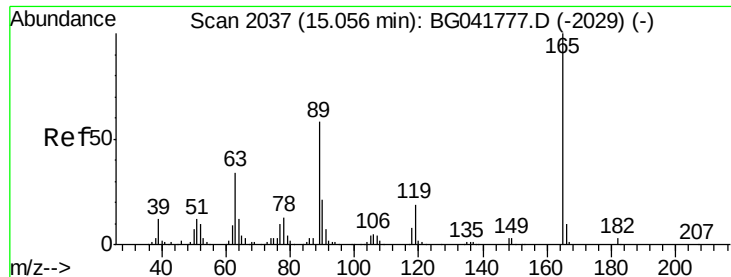
Tgt Ion:172 Resp: 579760
 Ion Ratio Lower Upper
 172 100
 171 36.1 35.0 52.4
 170 24.5 23.5 35.3



#51
 2,6-Dinitrotoluene
 Concen: 8.862 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.43 min
 Lab File: BG041850.D
 Acq: 1 Aug 2019 1:52

Tgt Ion:165 Resp: 13834
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.4 63.6#
 89 3.4 42.1 63.1#

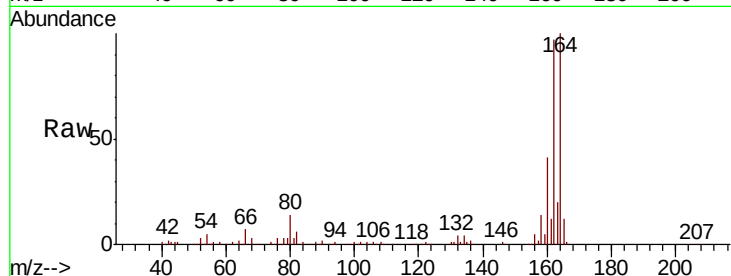




#57
 2,4-Dinitrotoluene
 Concen: 6.444 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG041850.D
 Acq: 1 Aug 2019 1:52

Instrument :
 BNA_G
 ClientSampled :
 TP-4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	3.4	50.2	75.4#
182	0.0	2.6	4.0#

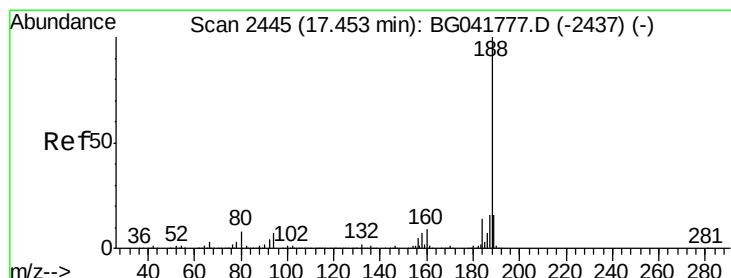
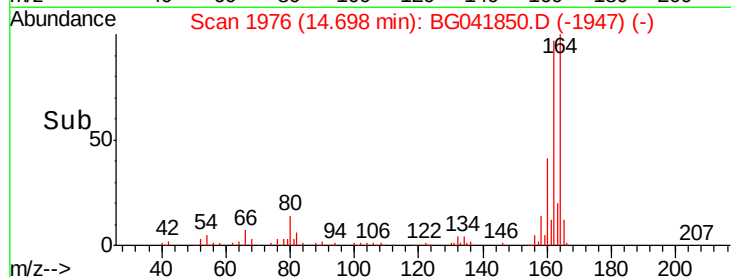
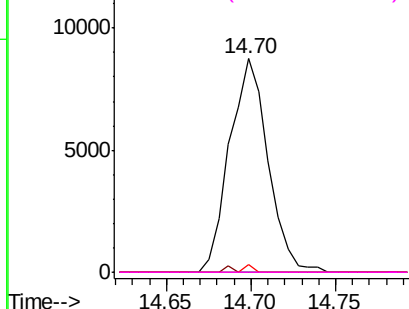


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

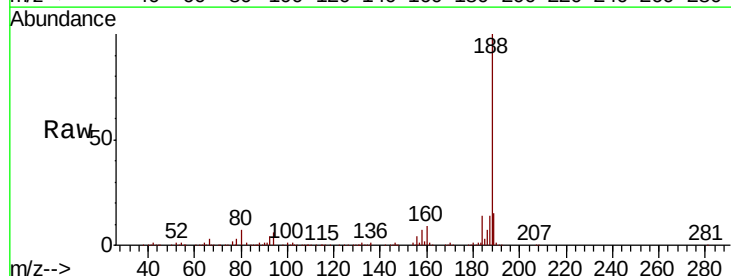
Ion 89.00 (88.70 to 89.70): BGC

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: BG041850.D
 Acq: 1 Aug 2019 1:52

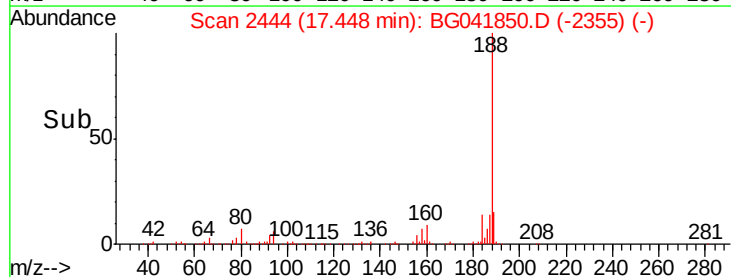
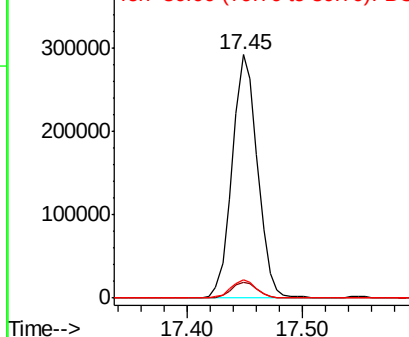
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	6.9	10.3#
80	7.4	8.0	12.0#

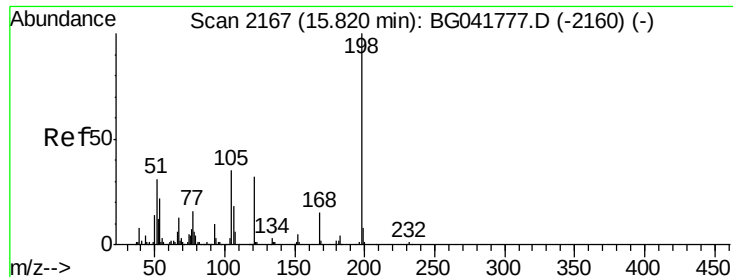


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.153 ng

RT: 16.18 min Scan# 2228

Delta R.T. 0.36 min

Lab File: BG041850.D

Acq: 1 Aug 2019 1:52

Instrument :

BNA_G

ClientSampled :

TP-4

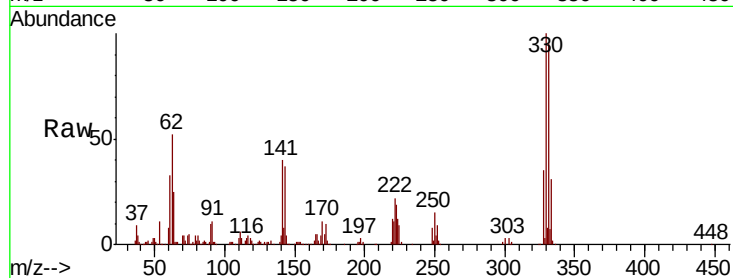
Tgt Ion:198 Resp: 763

Ion Ratio Lower Upper

198 100

51 135.2 22.3 62.3#

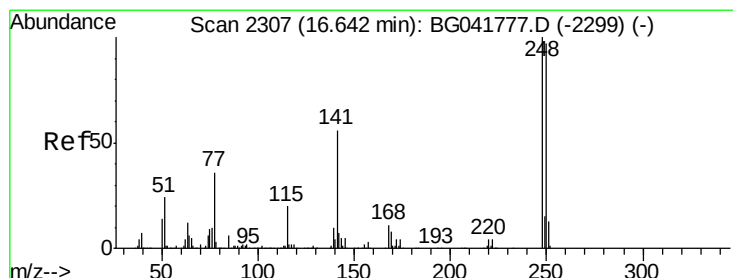
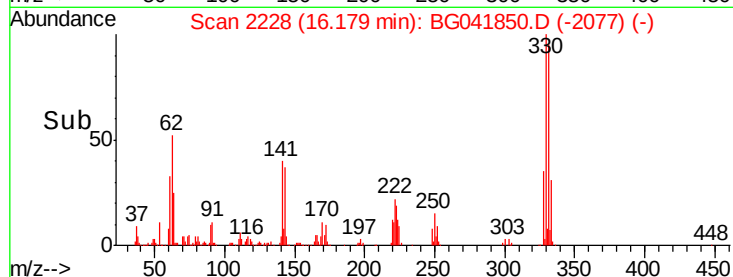
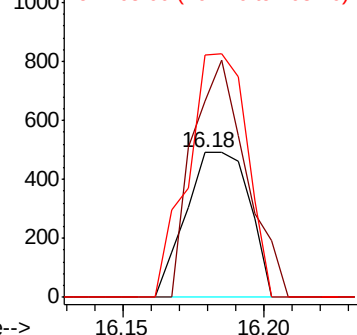
105 167.0 18.0 58.0#



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: 4.231 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.46 min

Lab File: BG041850.D

Acq: 1 Aug 2019 1:52

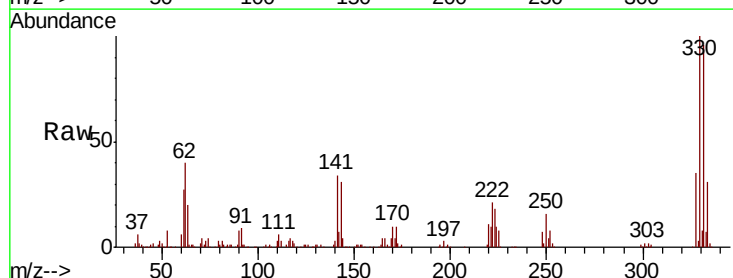
Tgt Ion:248 Resp: 23131

Ion Ratio Lower Upper

248 100

250 166.2 78.1 117.1#

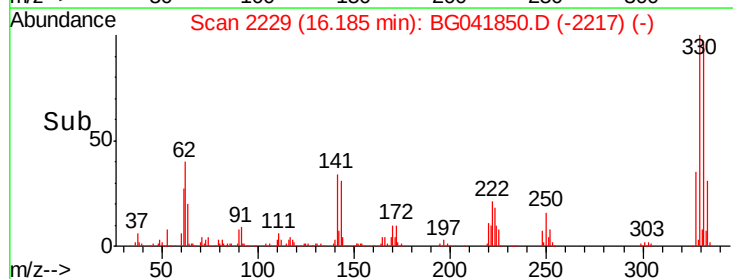
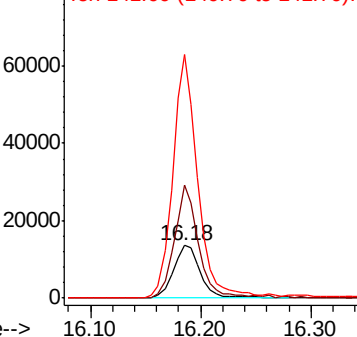
141 359.5 49.6 74.4#

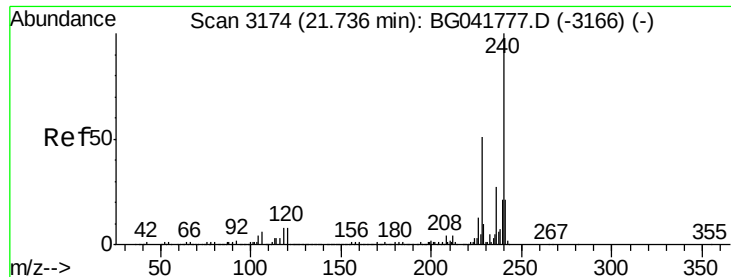


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

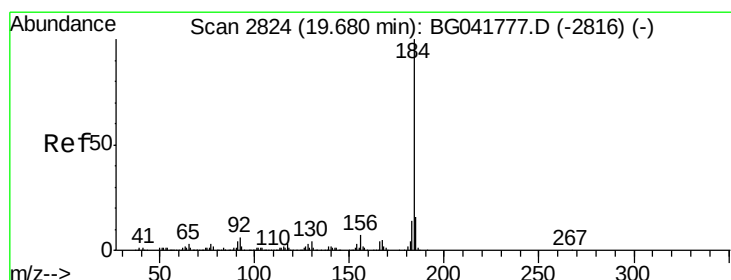
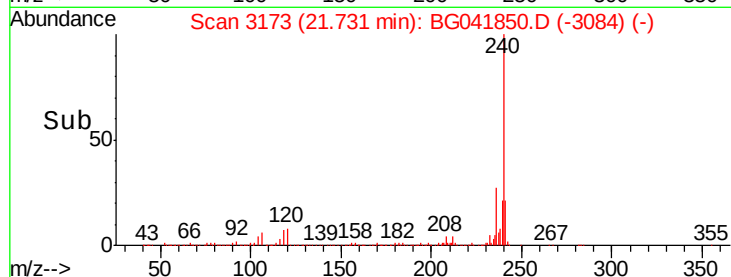
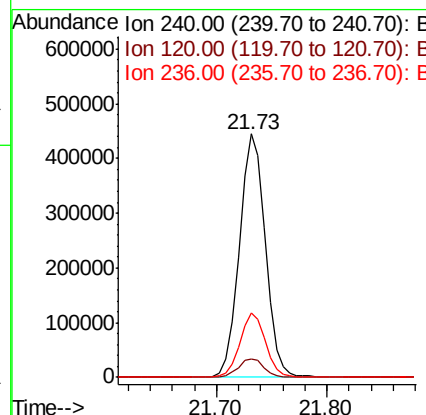
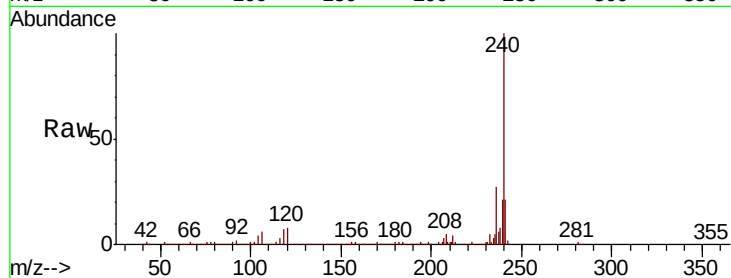




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG041850.D
 Acq: 1 Aug 2019 1:52

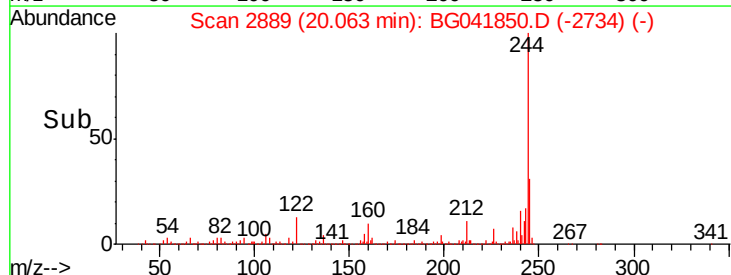
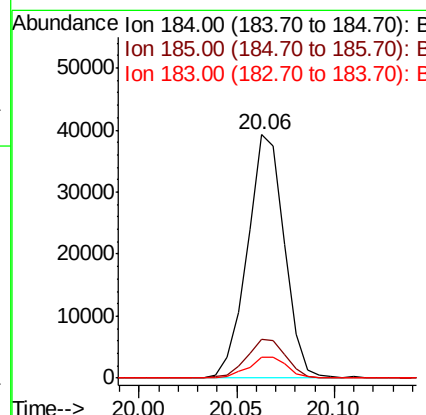
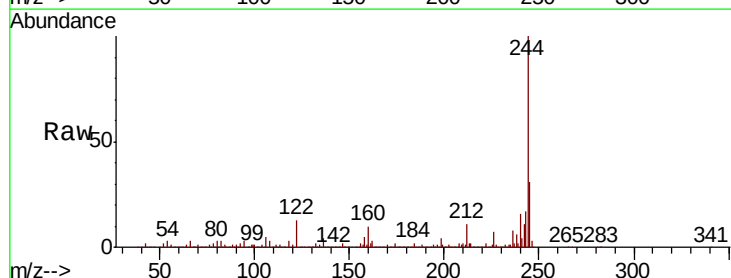
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

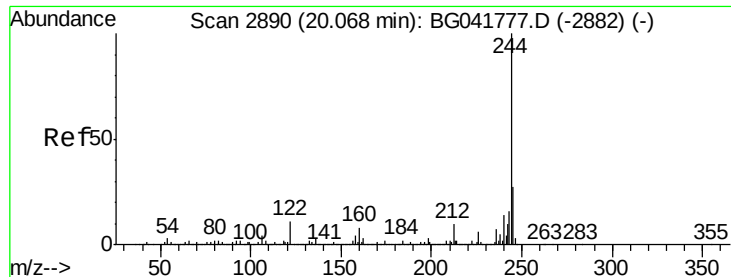
Tgt Ion: 240 Resp: 734581
 Ion Ratio Lower Upper
 240 100
 120 7.6 8.0 12.0#
 236 26.6 22.6 33.8



#77
 Benzidine
 Concen: 2.143 ng
 RT: 20.06 min Scan# 2889
 Delta R.T. 0.38 min
 Lab File: BG041850.D
 Acq: 1 Aug 2019 1:52

Tgt Ion: 184 Resp: 51383
 Ion Ratio Lower Upper
 184 100
 185 15.7 13.0 19.4
 183 8.6 11.8 17.6#





#79

Terphenyl-d14

Concen: 84.788 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041850.D

Acq: 1 Aug 2019 1:52

Instrument :

BNA_G

ClientSampleId :

TP-4

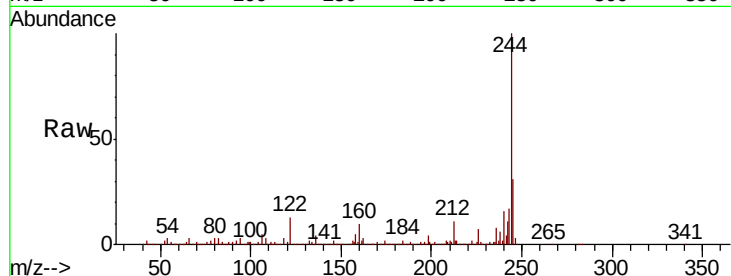
Tgt Ion:244 Resp: 2721893

Ion Ratio Lower Upper

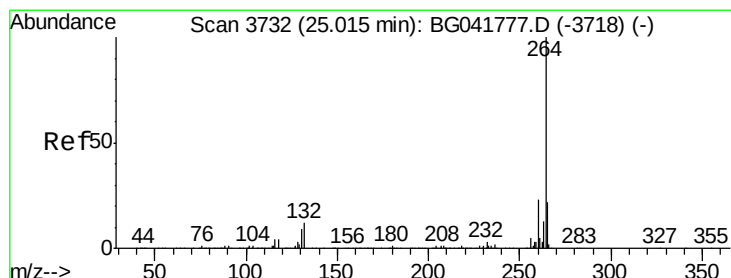
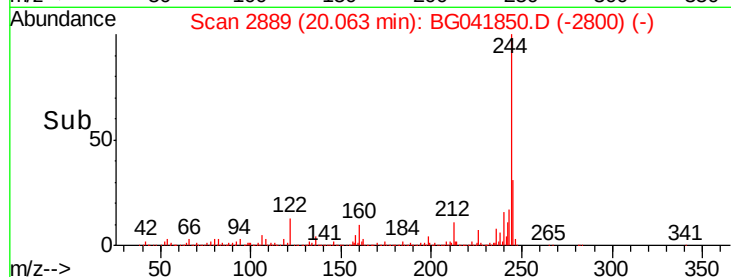
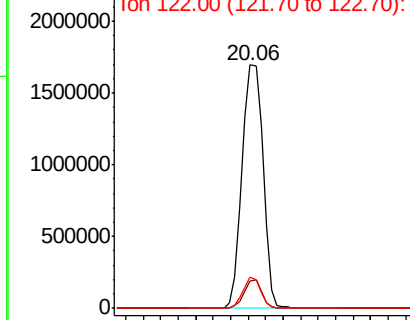
244 100

212 11.2 9.7 14.5

122 12.9 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: BG041850.D

Acq: 1 Aug 2019 1:52

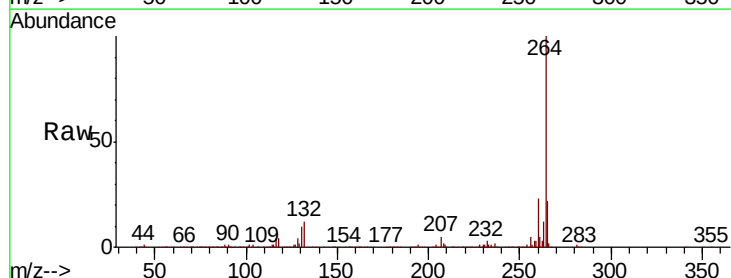
Tgt Ion:264 Resp: 764735

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 22.0 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

