

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041843.D
 Acq On : 31 Jul 2019 21:24
 Operator : HP/JU
 Sample : K4021-12RX
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-7

Quant Time: Aug 01 01:50:40 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

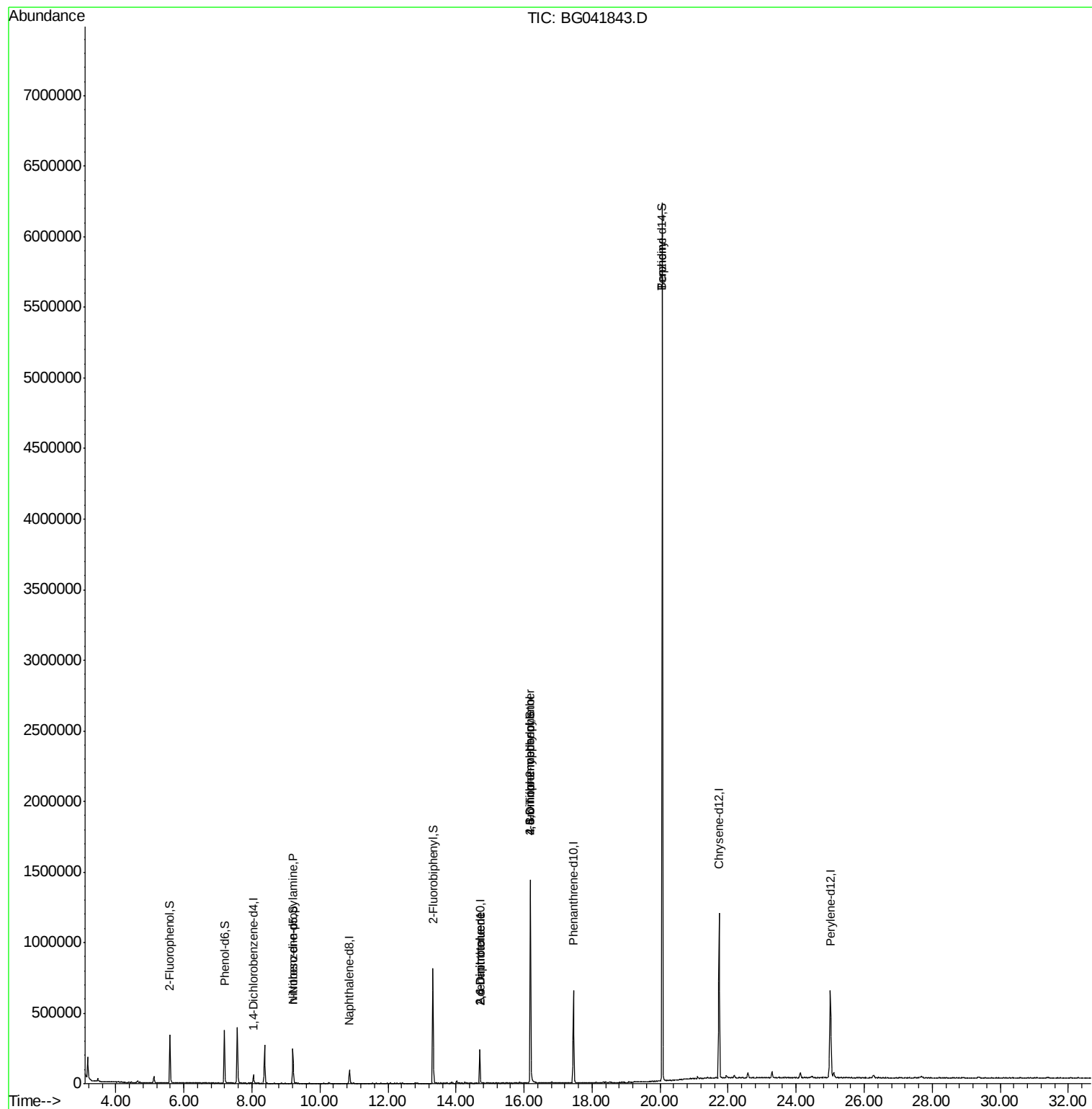
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	19809	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	90792	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	90997	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	416707	20.00	ng	0.00
76) Chrysene-d12	21.73	240	708140	20.00	ng	0.00
87) Perylene-d12	25.01	264	738397	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	169724	166.70	ng	0.00
7) Phenol-d6	7.19	99	239122	174.21	ng	0.00
23) Nitrobenzene-d5	9.21	82	150839	114.33	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	317369	307.05	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	483429	93.70	ng	0.00
79) Terphenyl-d14	20.06	244	2763380	89.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	19464	19.532	ng	# 67
51) 2,6-Dinitrotoluene	14.70	165	11633	8.952	ng	# 27
57) 2,4-Dinitrotoluene	14.70	165	11633	6.509	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.18	198	920	7.239	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	22641	4.411	ng	# 1
77) Benzidine	20.07	184	53087	2.297	ng	# 92

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

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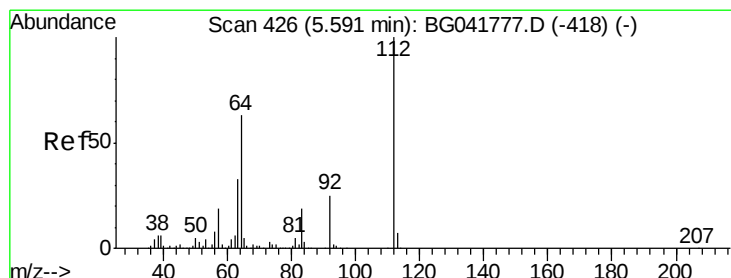
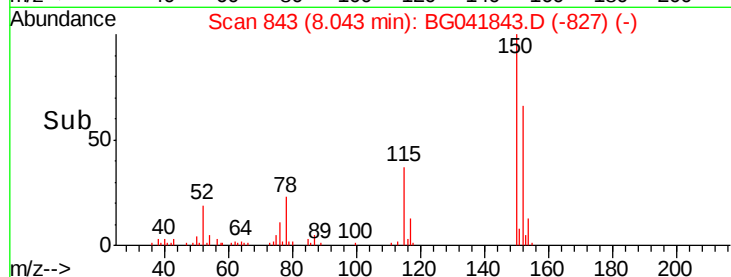
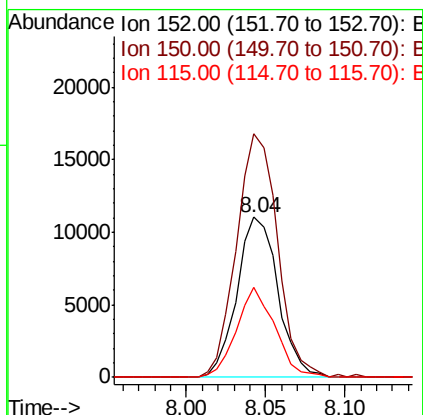
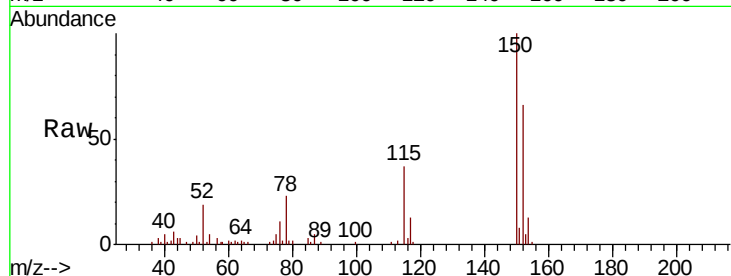


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG041843.D
Acq: 31 Jul 2019 21:24

Instrument :
BNA_G
ClientSampleId :
TP-7

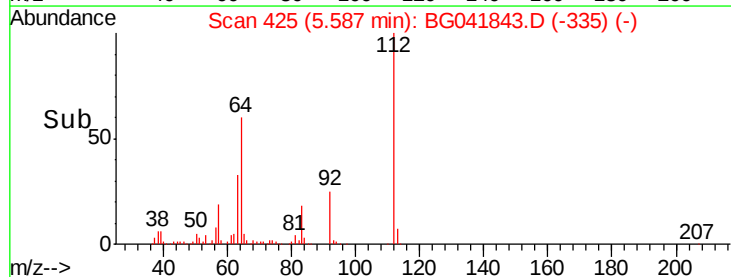
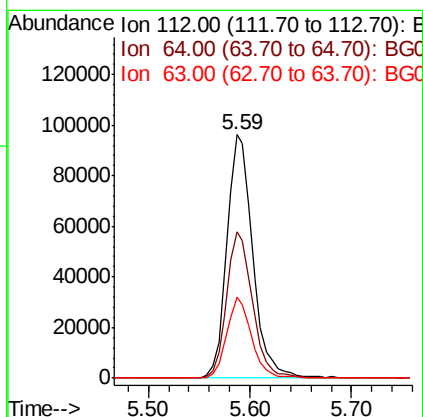
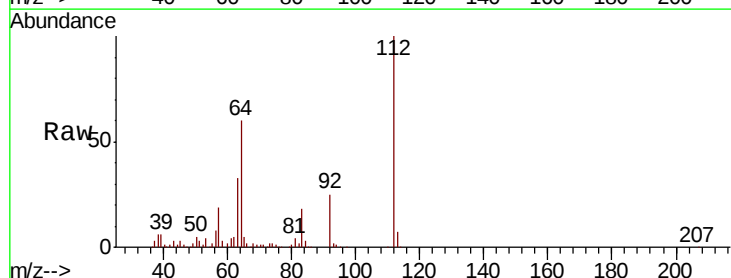
Tgt Ion:152 Resp: 19809
Ion Ratio Lower Upper
152 100
150 151.9 126.9 190.3
115 56.4 45.0 67.6



#5

2-Fluorophenol
Concen: 166.701 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.00 min
Lab File: BG041843.D
Acq: 31 Jul 2019 21:24

Tgt Ion:112 Resp: 169724
Ion Ratio Lower Upper
112 100
64 60.2 55.4 83.2
63 33.5 29.1 43.7





#7

Phenol-d6

Concen: 174.210 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG041843.D

Acq: 31 Jul 2019 21:24

Instrument :

BNA_G

ClientSampleId :

TP-7

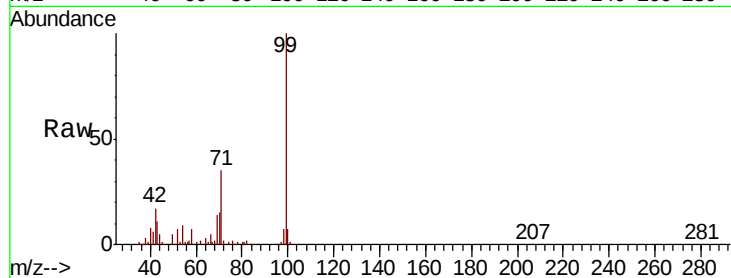
Tgt Ion: 99 Resp: 239122

Ion Ratio Lower Upper

99 100

42 17.3 17.6 26.4#

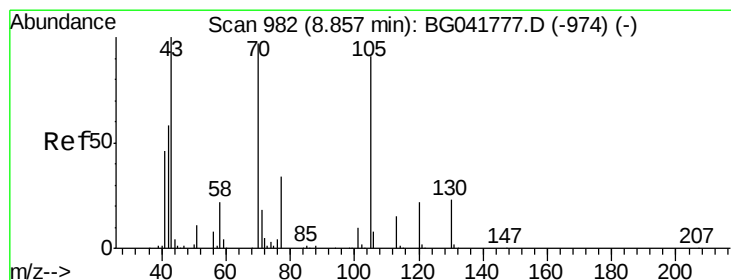
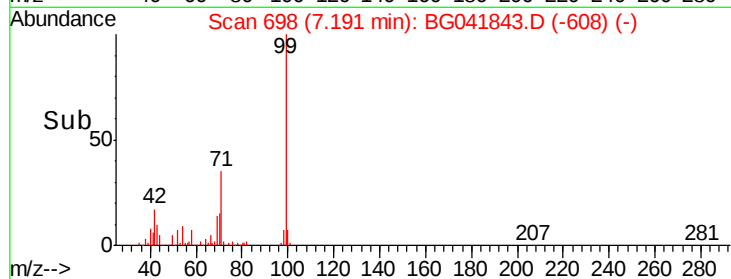
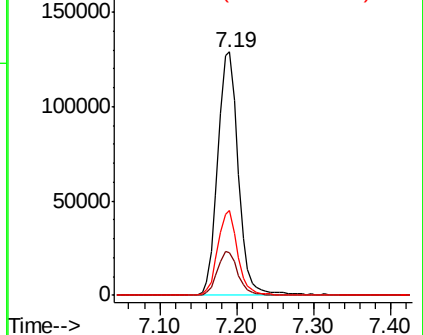
71 35.1 27.8 41.6



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: 19.532 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041843.D

Acq: 31 Jul 2019 21:24

Tgt Ion: 70 Resp: 19464

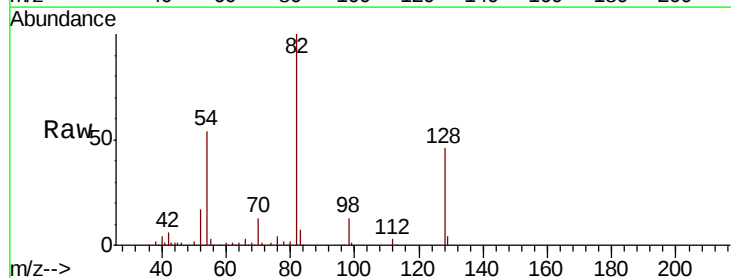
Ion Ratio Lower Upper

70 100

42 45.4 55.8 83.6#

101 0.0 8.1 12.1#

130 0.0 17.3 25.9#

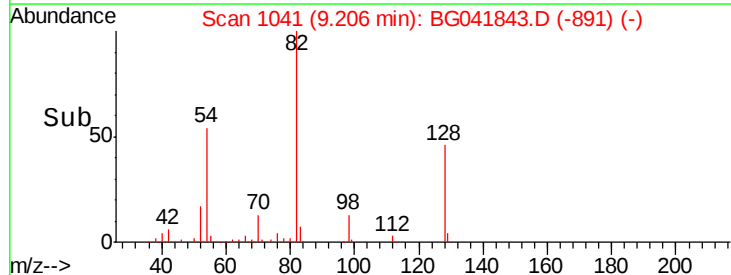
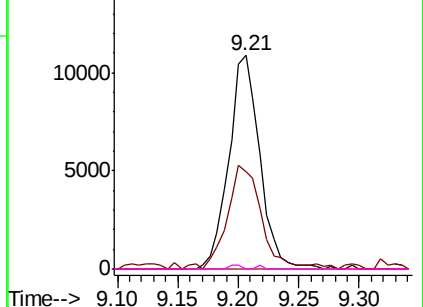


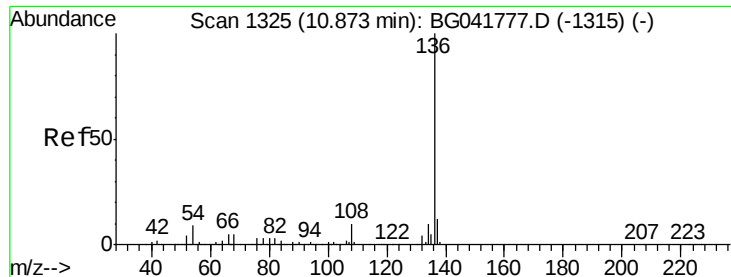
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

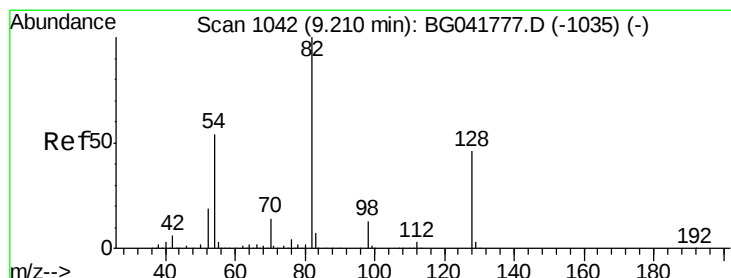
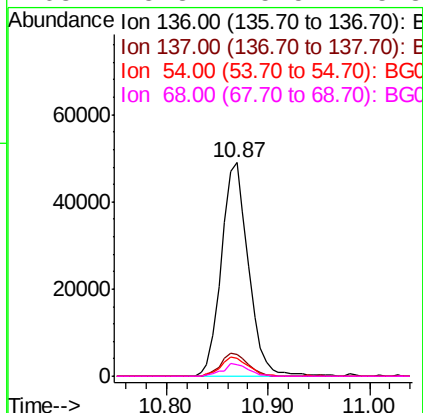
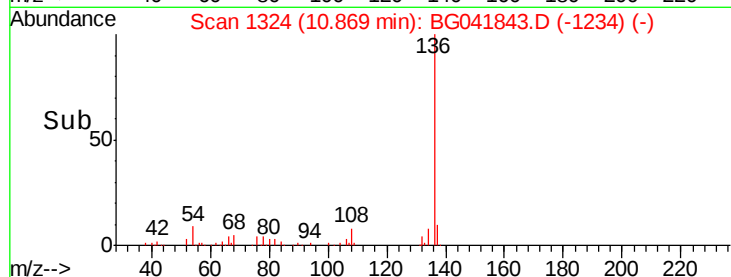
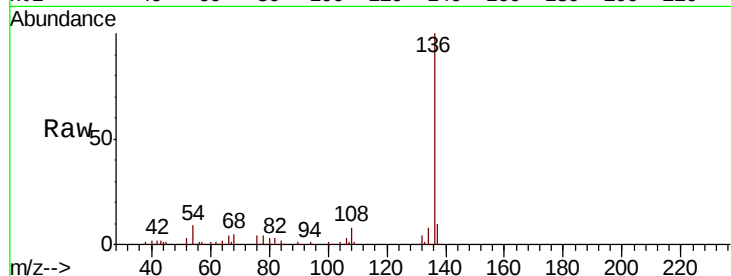




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG041843.D
Acq: 31 Jul 2019 21:24

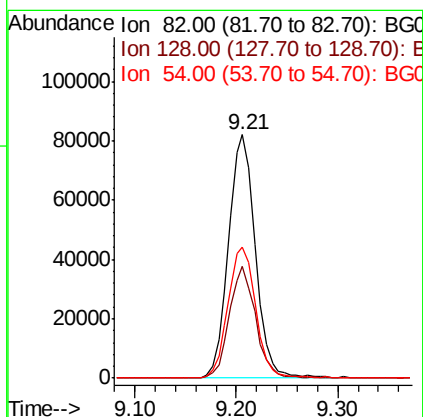
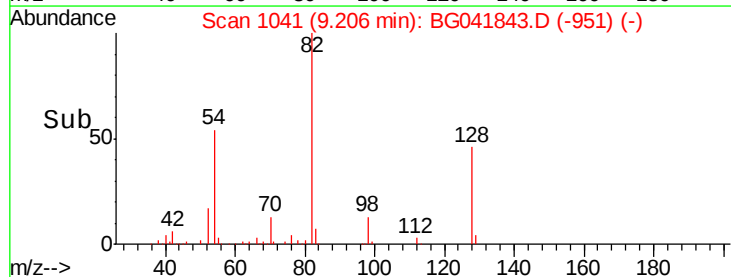
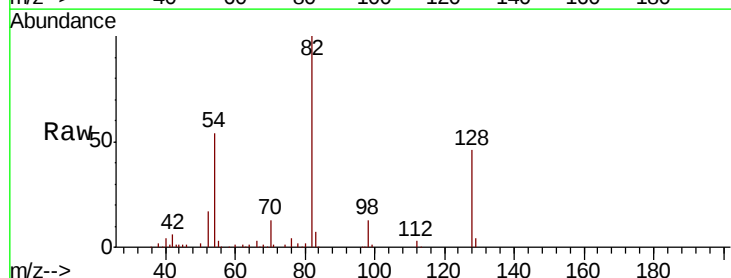
Instrument :
BNA_G
ClientSampleId :
TP-7

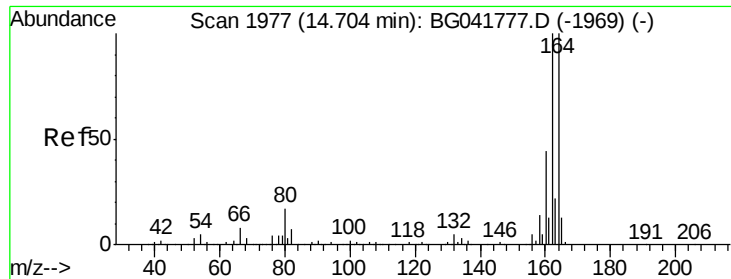
Tgt Ion:	136	Resp:	90792
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	8.6	8.7	13.1#
68	5.3	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 114.329 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG041843.D
Acq: 31 Jul 2019 21:24

Tgt Ion:	82	Resp:	150839
Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.1	52.7
54	53.8	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: BG041843.D

Acq: 31 Jul 2019 21:24

Instrument :

BNA_G

ClientSampleId :

TP-7

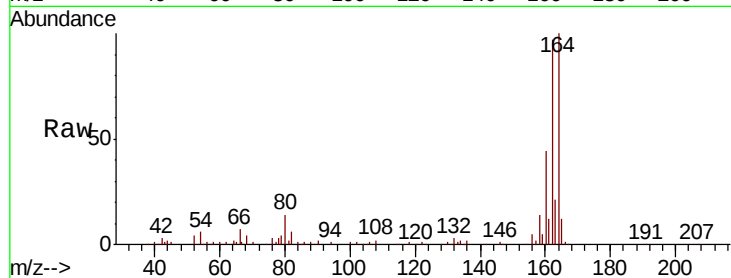
Tgt Ion:164 Resp: 90997

Ion Ratio Lower Upper

164 100

162 97.0 79.6 119.4

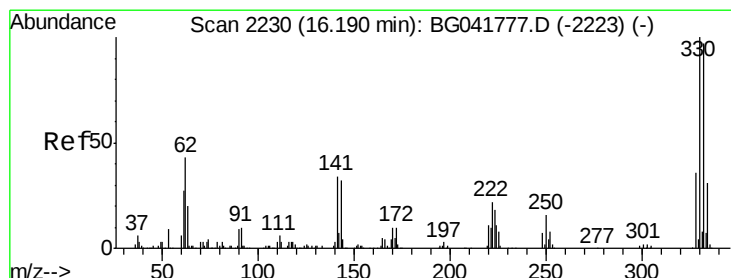
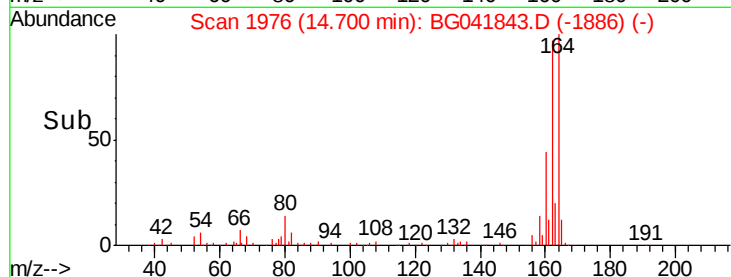
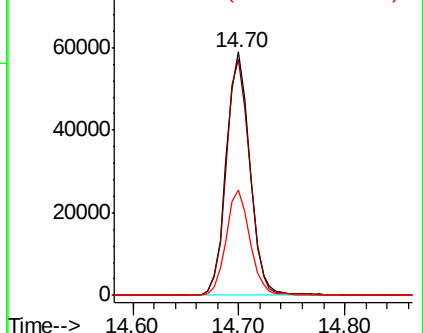
160 43.5 35.4 53.0



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: 307.052 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG041843.D

Acq: 31 Jul 2019 21:24

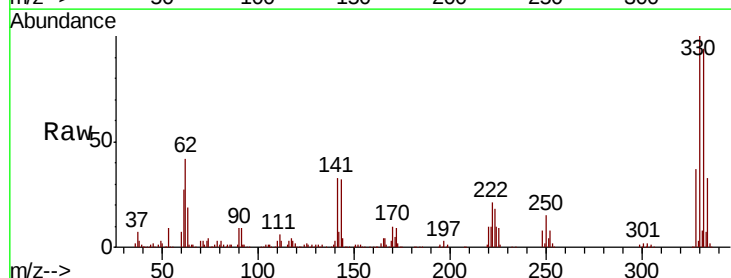
Tgt Ion:330 Resp: 317369

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.0

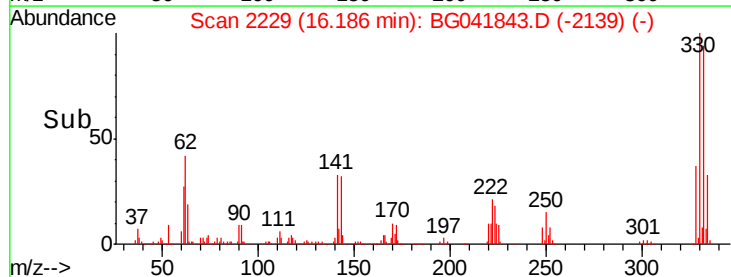
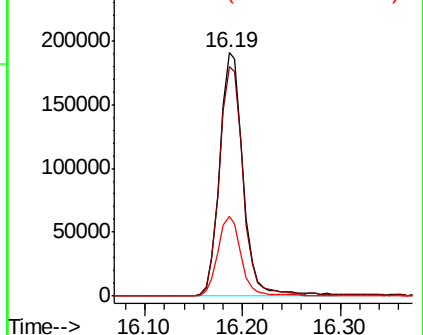
141 32.9 31.9 47.9

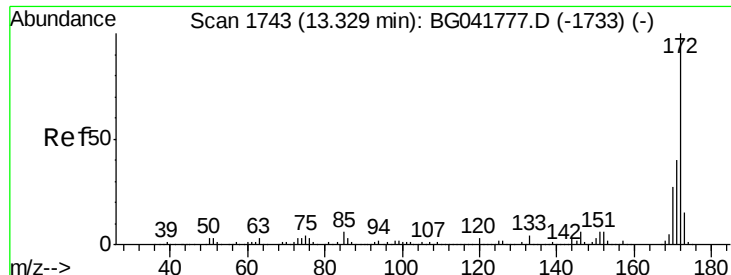


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

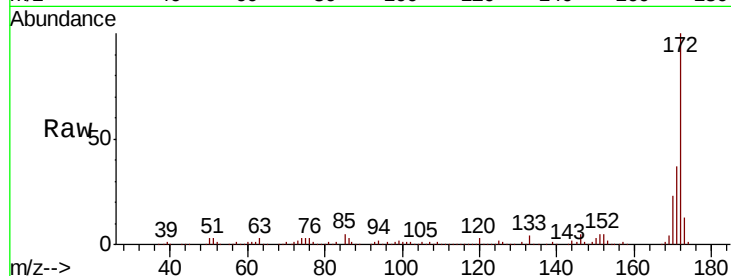




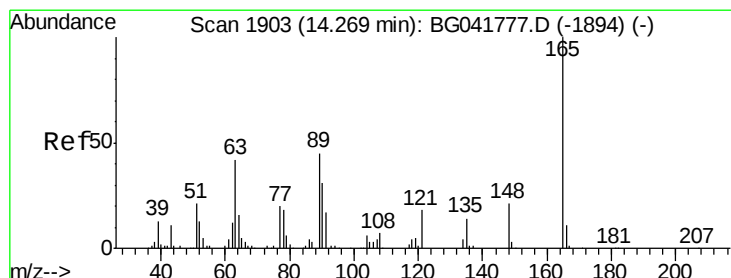
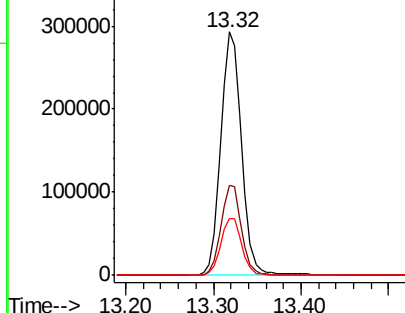
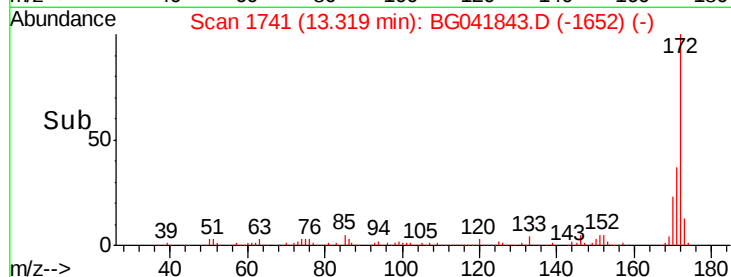
#45
 2-Fluorobiphenyl
 Concen: 93.699 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG041843.D
 Acq: 31 Jul 2019 21:24

Instrument :
 BNA_G
 ClientSampleId :
 TP-7

Tgt Ion:172 Resp: 483429
 Ion Ratio Lower Upper
 172 100
 171 36.8 35.0 52.4
 170 23.2 23.5 35.3#

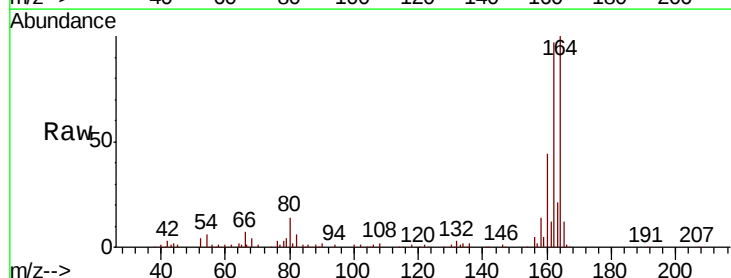


Abundance Ion 172.00 (171.70 to 172.70): E
 400000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

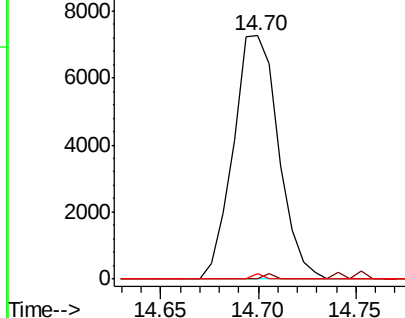
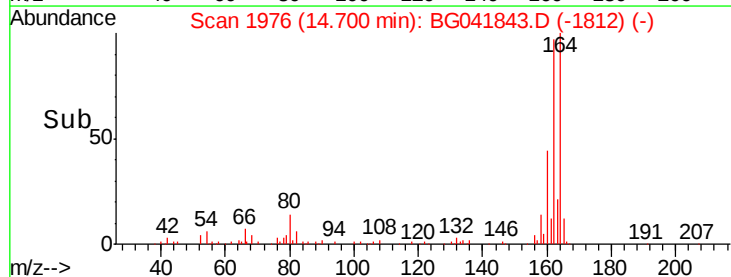


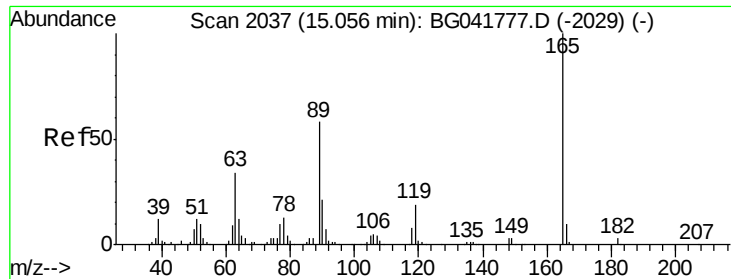
#51
 2,6-Dinitrotoluene
 Concen: 8.952 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.43 min
 Lab File: BG041843.D
 Acq: 31 Jul 2019 21:24

Tgt Ion:165 Resp: 11633
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.4 63.6#
 89 2.5 42.1 63.1#



Abundance Ion 165.00 (164.70 to 165.70): E
 10000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

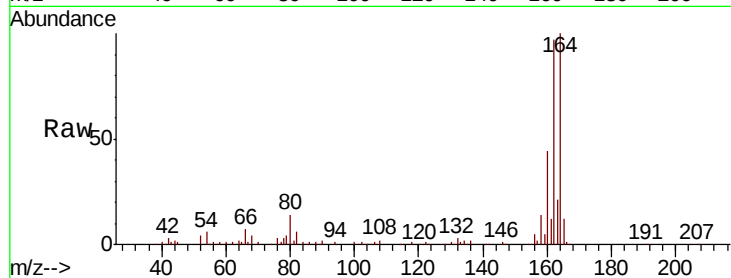




#57
 2,4-Dinitrotoluene
 Concen: 6.509 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG041843.D
 Acq: 31 Jul 2019 21:24

Instrument :
 BNA_G
 ClientSampled :
 TP-7

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	2.5	50.2	75.4#
182	0.0	2.6	4.0#

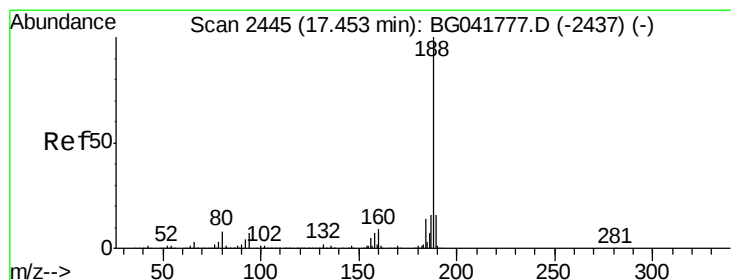
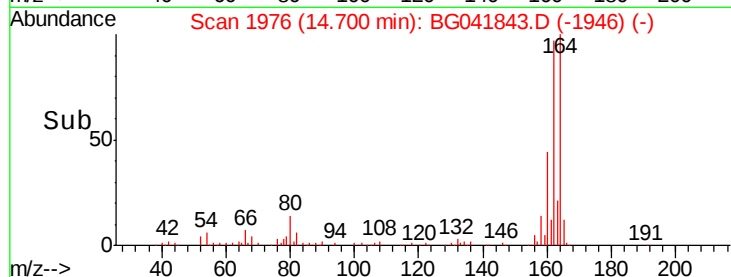
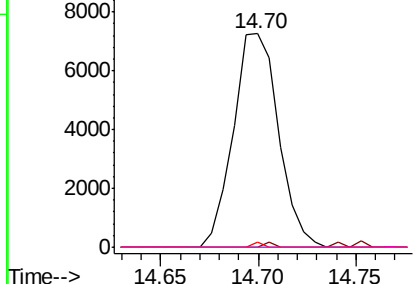


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

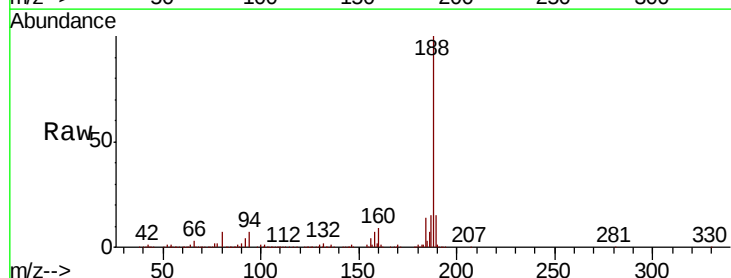
Ion 89.00 (88.70 to 89.70): BGC

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: BG041843.D
 Acq: 31 Jul 2019 21:24

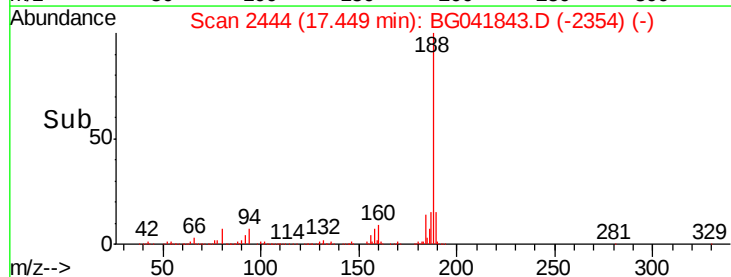
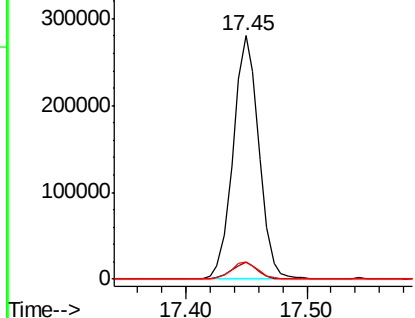
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	7.0	8.0	12.0#

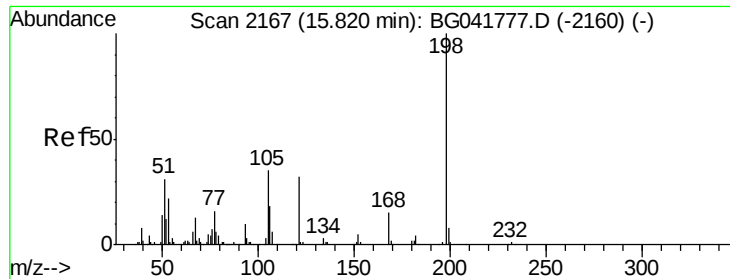


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

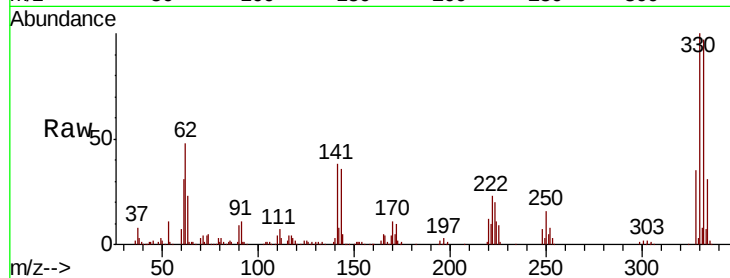




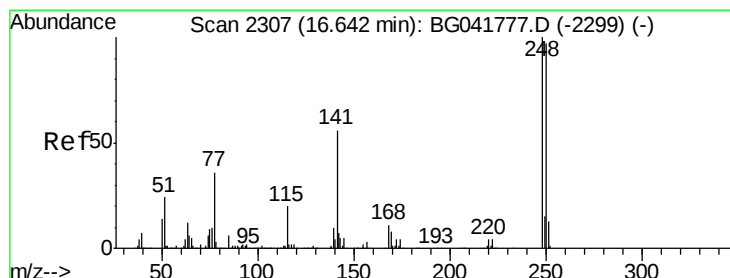
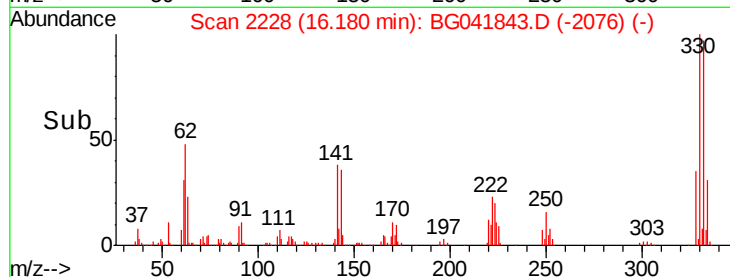
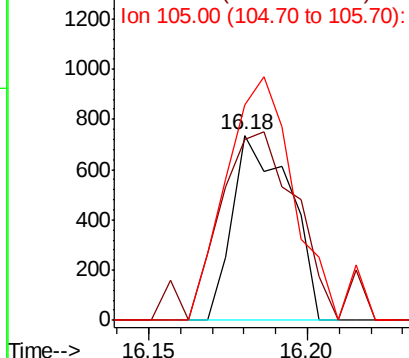
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.239 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. 0.36 min
 Lab File: BG041843.D
 Acq: 31 Jul 2019 21:24

Instrument :
 BNA_G
 ClientSampleId :
 TP-7

Tgt Ion:198 Resp: 920
 Ion Ratio Lower Upper
 198 100
 51 97.6 22.3 62.3#
 105 116.6 18.0 58.0#

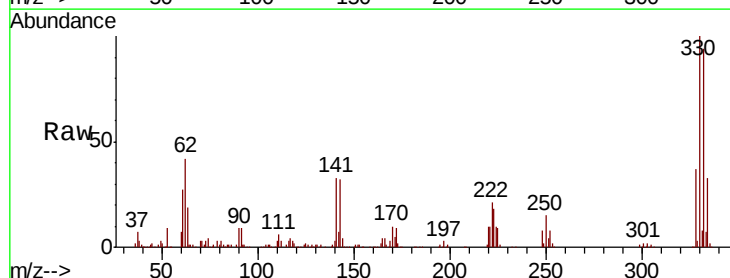


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

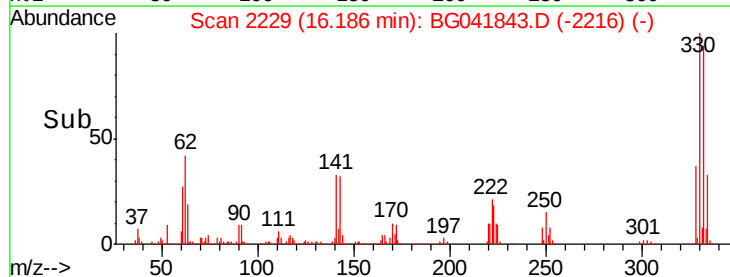
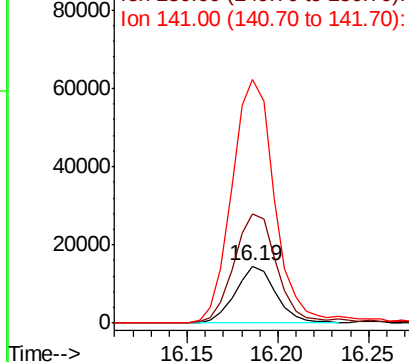


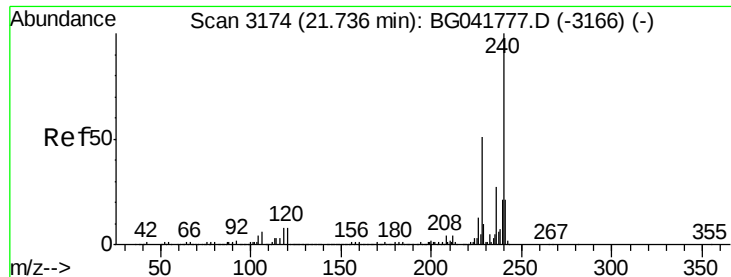
#67
 4-Bromophenyl-phenylether
 Concen: 4.411 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.46 min
 Lab File: BG041843.D
 Acq: 31 Jul 2019 21:24

Tgt Ion:248 Resp: 22641
 Ion Ratio Lower Upper
 248 100
 250 191.8 78.1 117.1#
 141 428.2 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: 21.73 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BG041843.D

Acq: 31 Jul 2019 21:24

Instrument :

BNA_G

ClientSampled :

TP-7

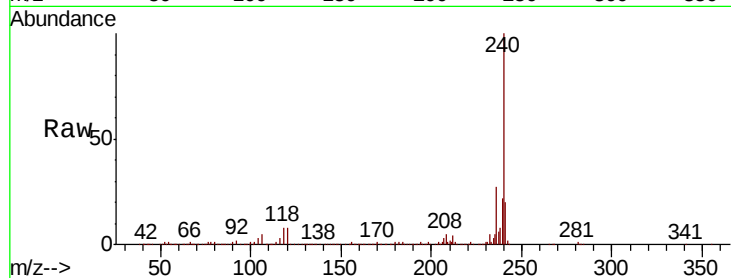
Tgt Ion:240 Resp: 708140

Ion Ratio Lower Upper

240 100

120 7.7 8.0 12.0#

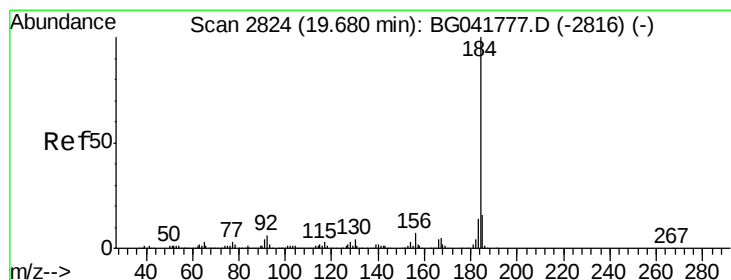
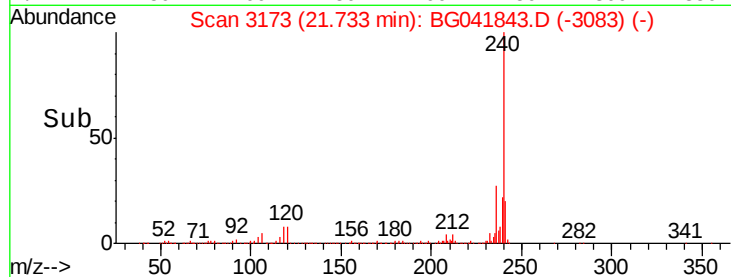
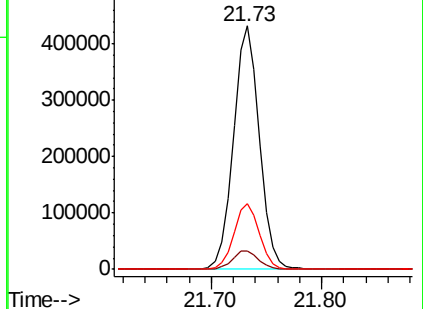
236 27.2 22.6 33.8



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: 2.297 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.39 min

Lab File: BG041843.D

Acq: 31 Jul 2019 21:24

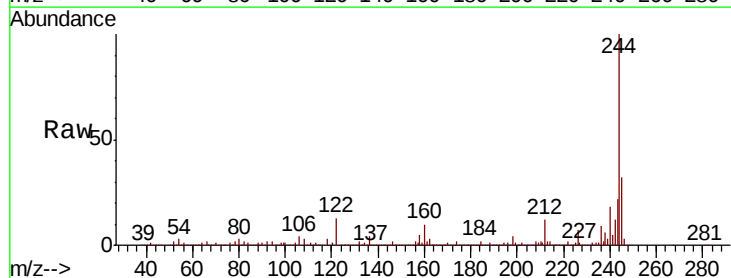
Tgt Ion:184 Resp: 53087

Ion Ratio Lower Upper

184 100

185 17.6 13.0 19.4

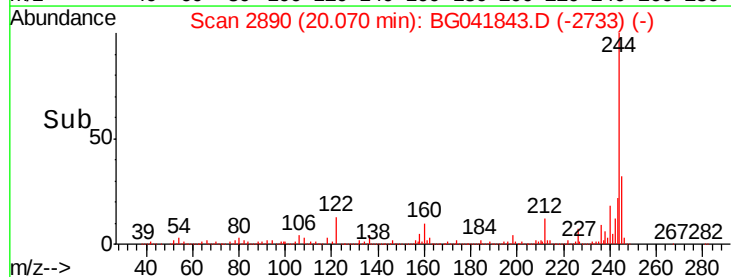
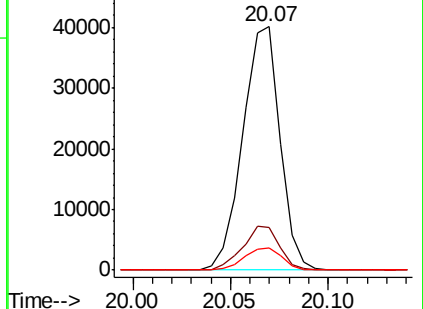
183 9.2 11.8 17.6#

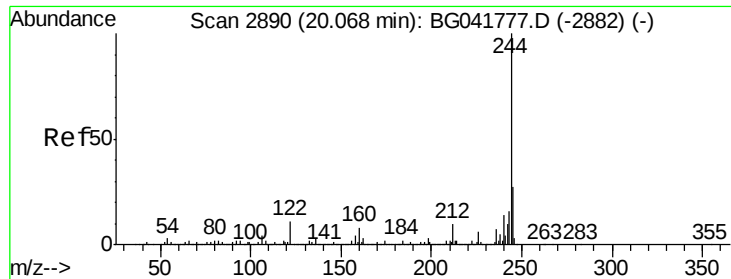


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 89.295 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041843.D

Acq: 31 Jul 2019 21:24

Instrument :

BNA_G

ClientSampleId :

TP-7

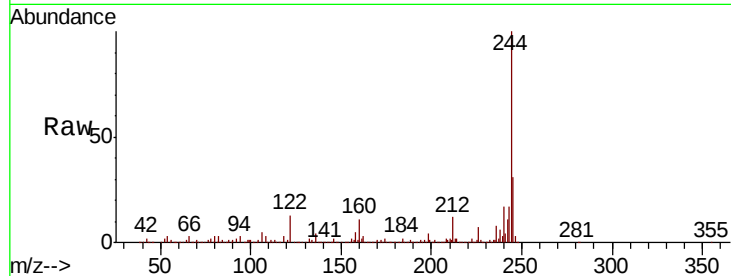
Tgt Ion:244 Resp: 2763380

Ion Ratio Lower Upper

244 100

212 11.7 9.7 14.5

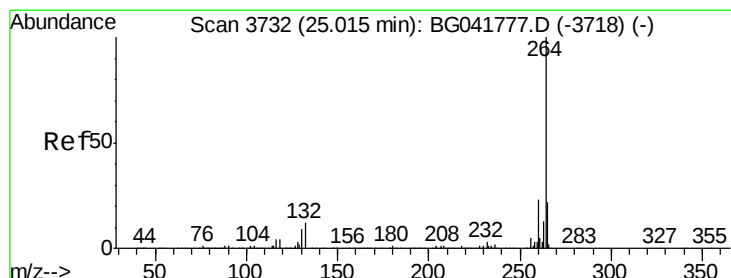
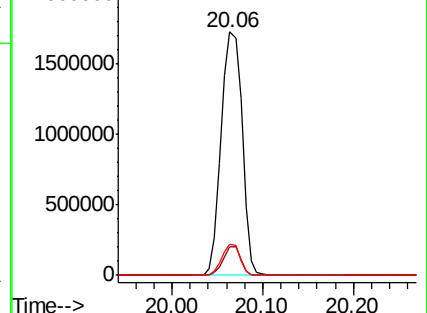
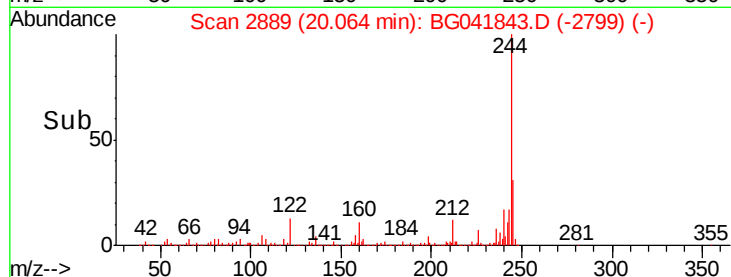
122 13.0 12.5 18.7



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: 25.01 min Scan# 3730

Delta R.T. -0.01 min

Lab File: BG041843.D

Acq: 31 Jul 2019 21:24

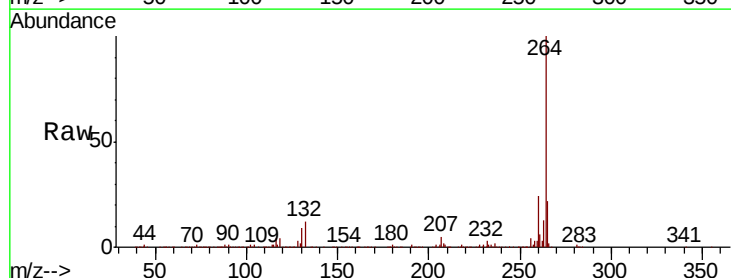
Tgt Ion:264 Resp: 738397

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 22.1 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

