

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073119\
 Data File : BG041844.D
 Acq On : 31 Jul 2019 22:02
 Operator : HP/JU
 Sample : K4021-16RX
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-8-A

Quant Time: Aug 01 01:50:52 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

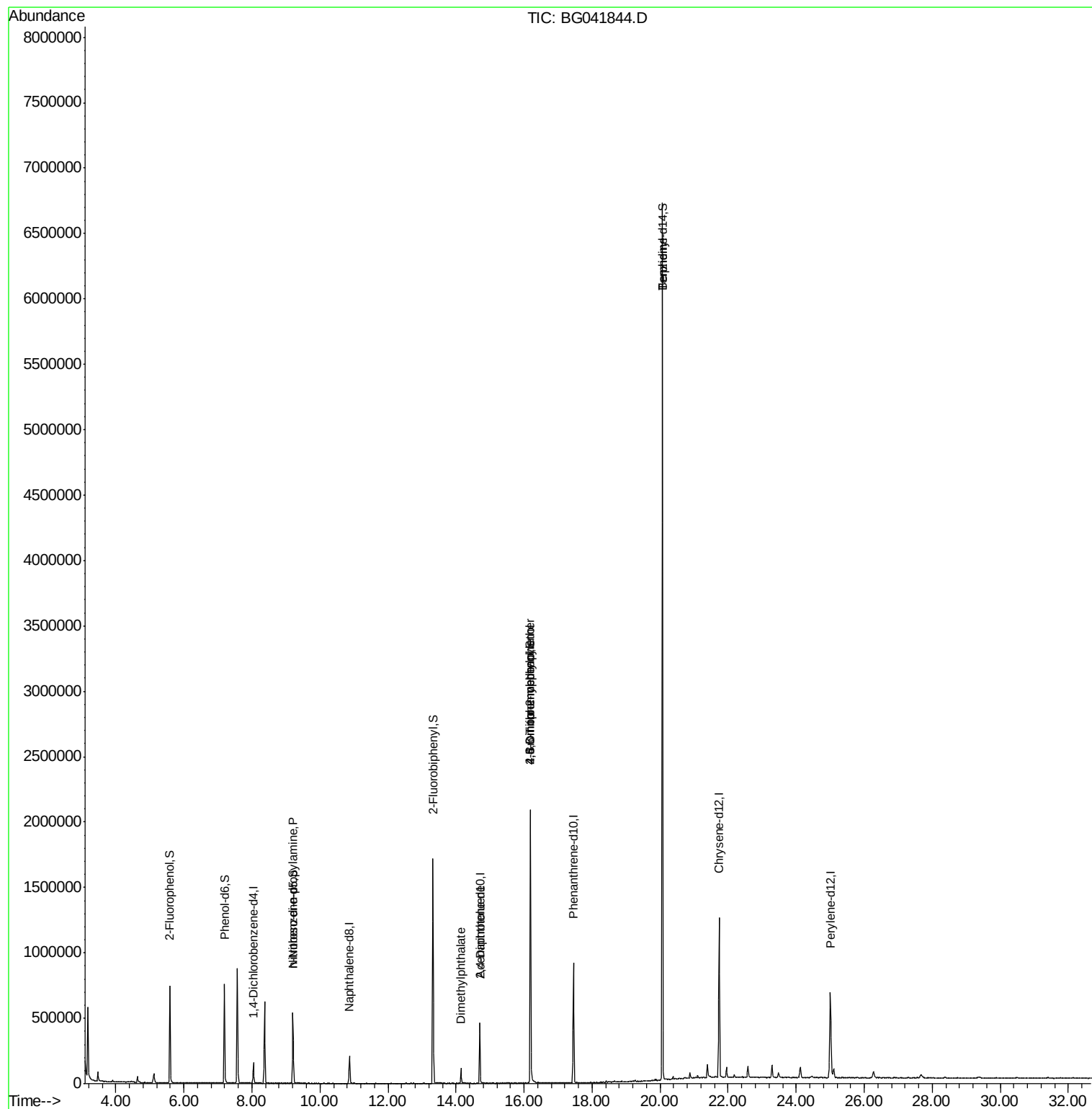
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	47624	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	201875	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	177762	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	597274	20.00	ng	0.00
76) Chrysene-d12	21.73	240	747368	20.00	ng	0.00
87) Perylene-d12	25.00	264	766842	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	352023	143.81	ng	0.00
7) Phenol-d6	7.19	99	457866	138.75	ng	0.00
23) Nitrobenzene-d5	9.21	82	328794	112.08	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	457409	226.54	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	974710	96.71	ng	0.00
79) Terphenyl-d14	20.07	244	2908755	89.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	44299	18.490	ng	# 70
50) Dimethylphthalate	14.15	163	87982	7.247	ng	# 95
57) 2,4-Dinitrotoluene	14.70	165	22765	6.521	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.19	198	1232	7.214	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	33881	4.605	ng	# 1
77) Benzidine	20.07	184	57000	2.337	ng	# 93

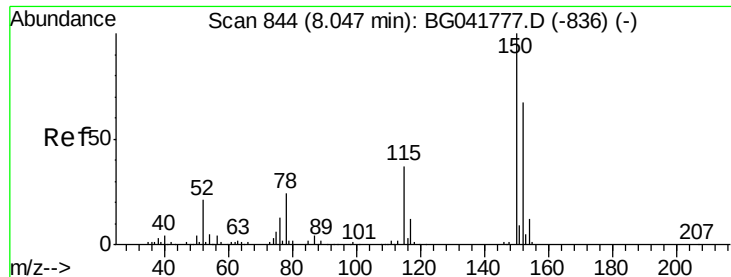
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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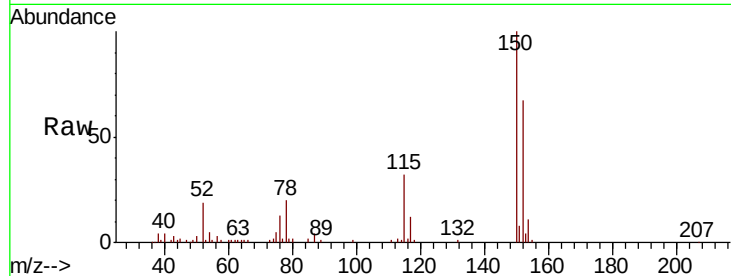


#1

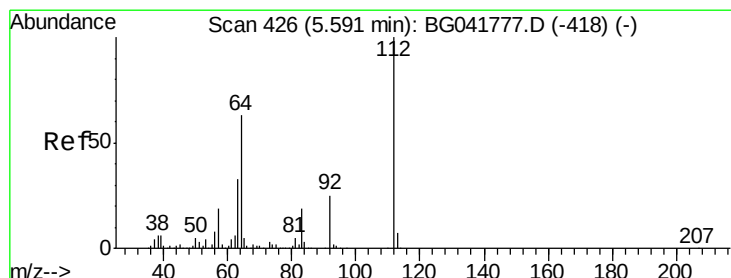
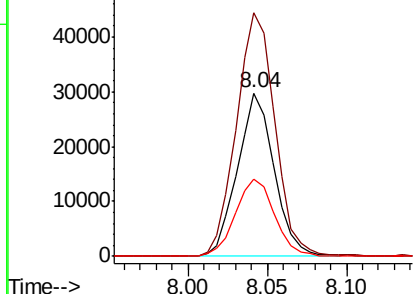
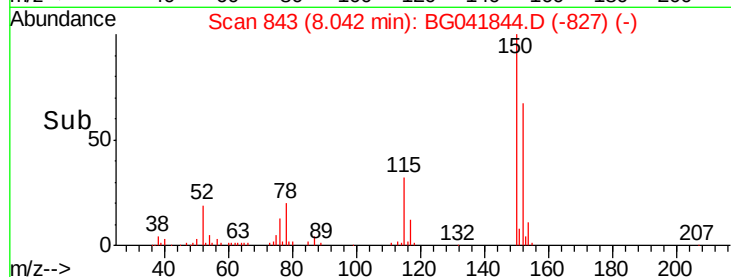
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG041844.D
Acq: 31 Jul 2019 22:02

Instrument :
BNA_G
ClientSampleId :
TP-8-A

Tgt Ion:152 Resp: 47624
Ion Ratio Lower Upper
152 100
150 149.4 126.9 190.3
115 47.2 45.0 67.6



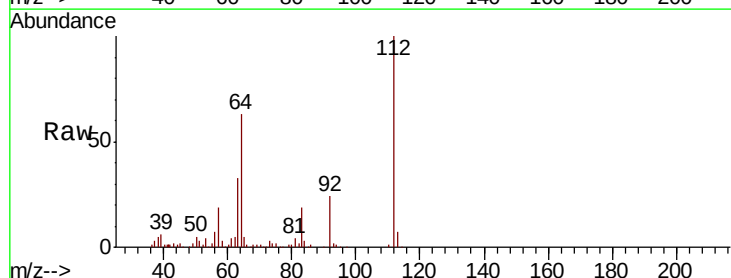
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



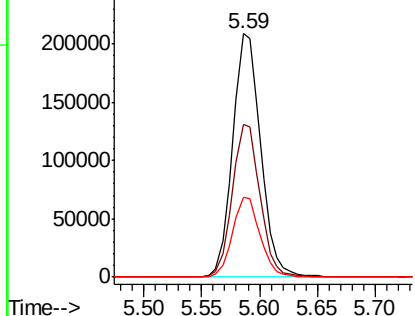
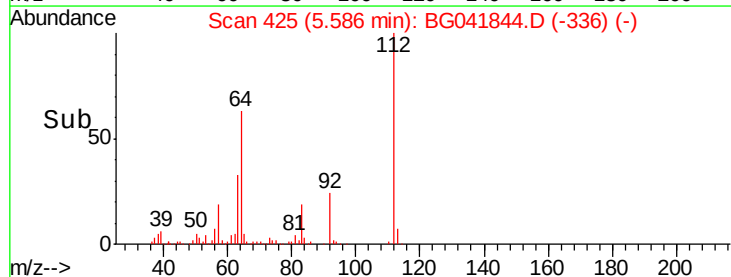
#5

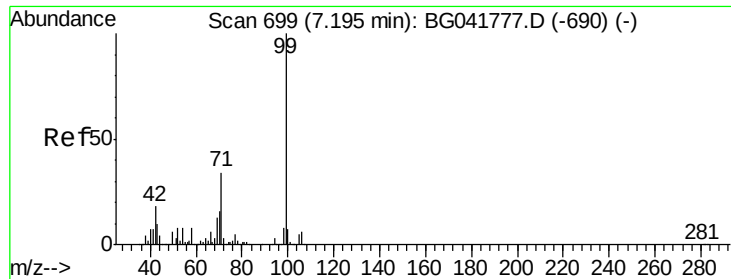
2-Fluorophenol
Concen: 143.815 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.00 min
Lab File: BG041844.D
Acq: 31 Jul 2019 22:02

Tgt Ion:112 Resp: 352023
Ion Ratio Lower Upper
112 100
64 62.7 55.4 83.2
63 32.8 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: 138.749 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG041844.D

Acq: 31 Jul 2019 22:02

Instrument :

BNA_G

ClientSampleId :

TP-8-A

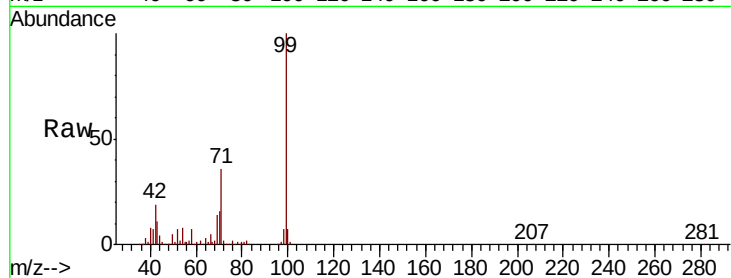
Tgt Ion: 99 Resp: 457866

Ion Ratio Lower Upper

99 100

42 19.0 17.6 26.4

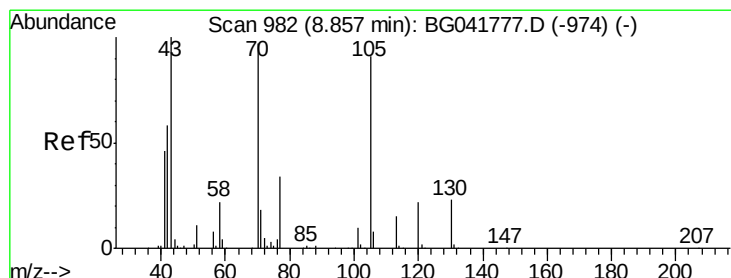
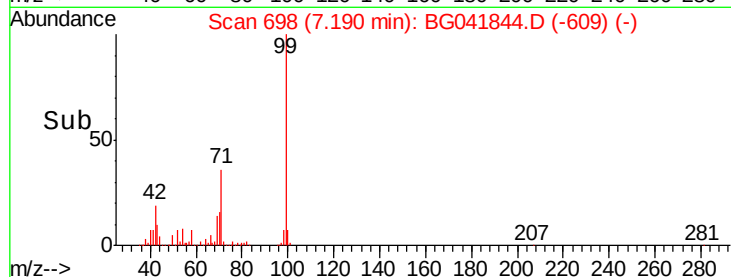
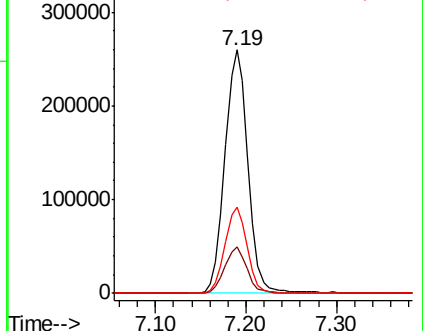
71 35.6 27.8 41.6



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: 18.490 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041844.D

Acq: 31 Jul 2019 22:02

Tgt Ion: 70 Resp: 44299

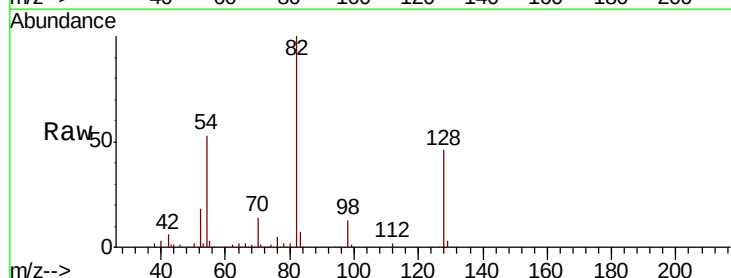
Ion Ratio Lower Upper

70 100

42 46.9 55.8 83.6#

101 0.0 8.1 12.1#

130 2.6 17.3 25.9#

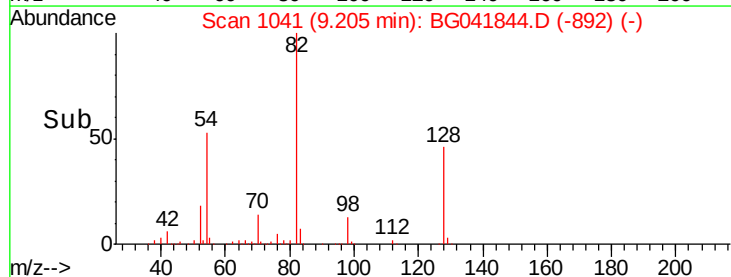
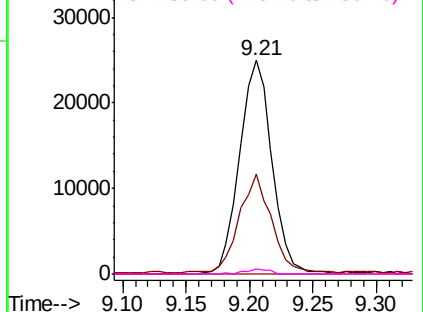


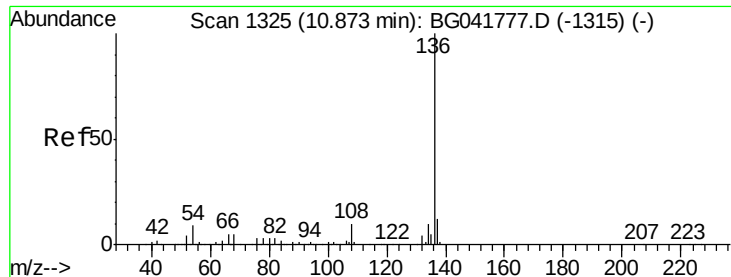
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

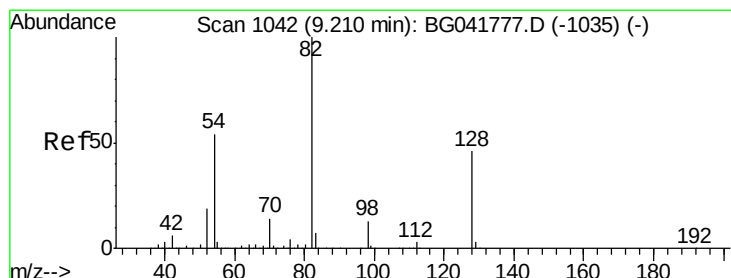
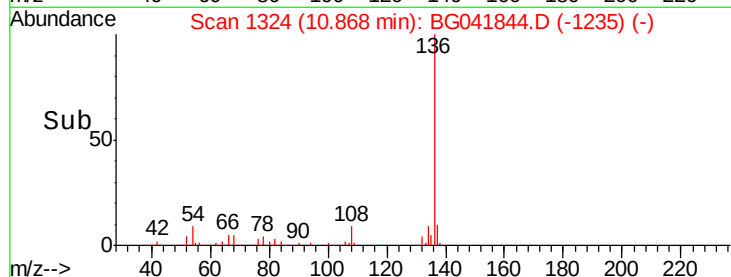
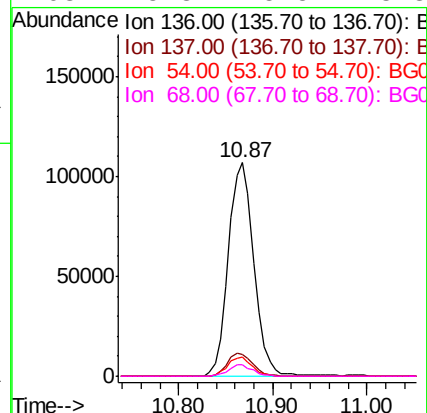
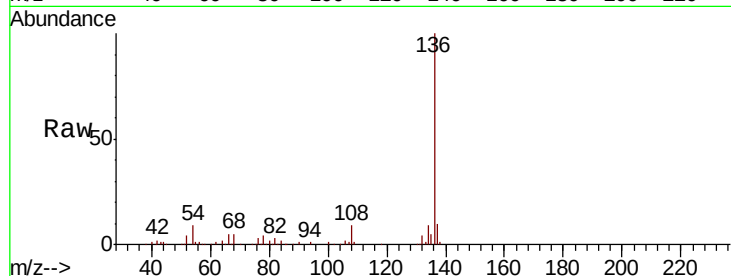




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG041844.D
Acq: 31 Jul 2019 22:02

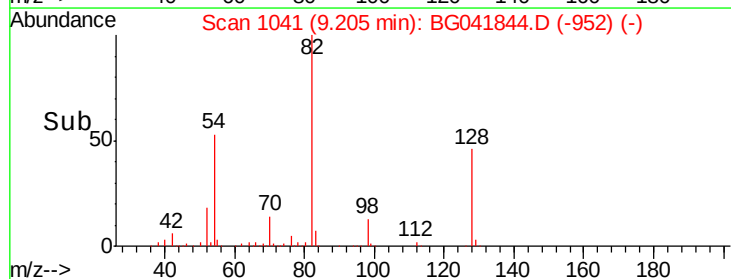
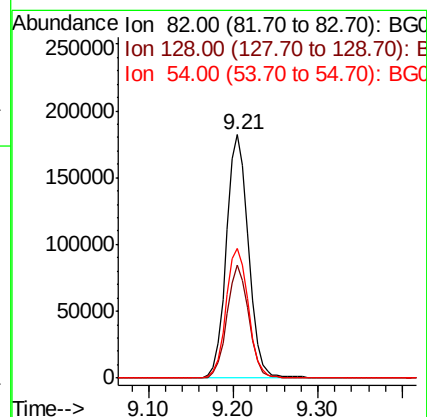
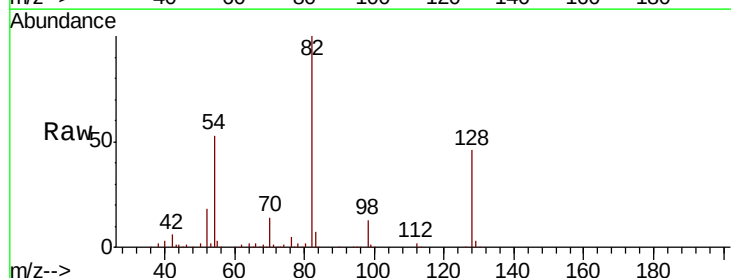
Instrument :
BNA_G
ClientSampleId :
TP-8-A

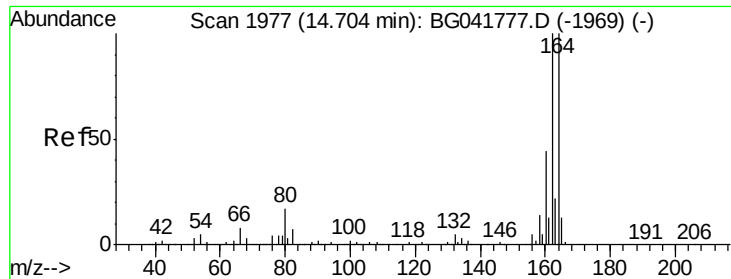
Tgt Ion:	136	Resp:	201875
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	8.7	8.7	13.1
68	5.3	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 112.081 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG041844.D
Acq: 31 Jul 2019 22:02

Tgt Ion:	82	Resp:	328794
Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.1	52.7
54	53.3	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: BG041844.D

Acq: 31 Jul 2019 22:02

Instrument :

BNA_G

ClientSampleId :

TP-8-A

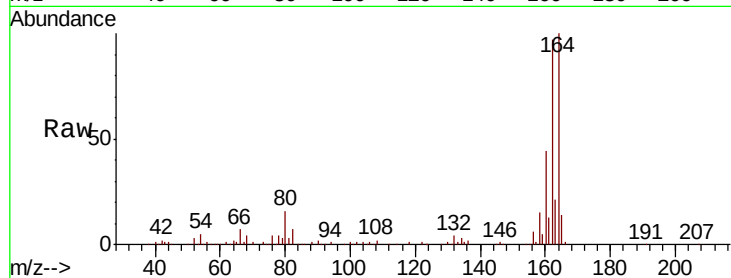
Tgt Ion:164 Resp: 177762

Ion Ratio Lower Upper

164 100

162 96.8 79.6 119.4

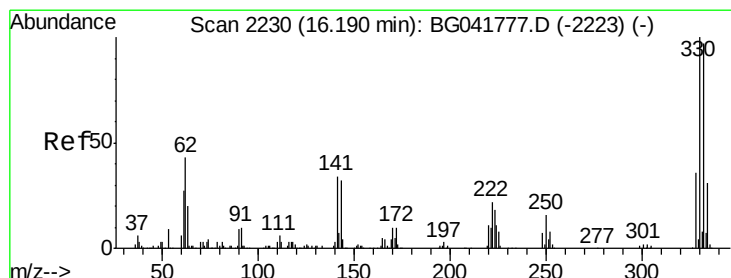
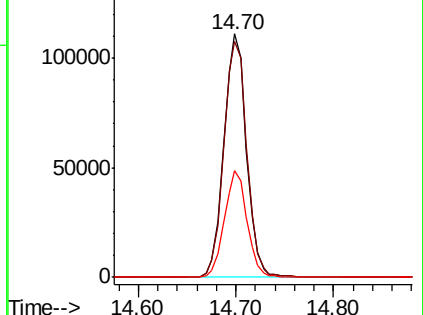
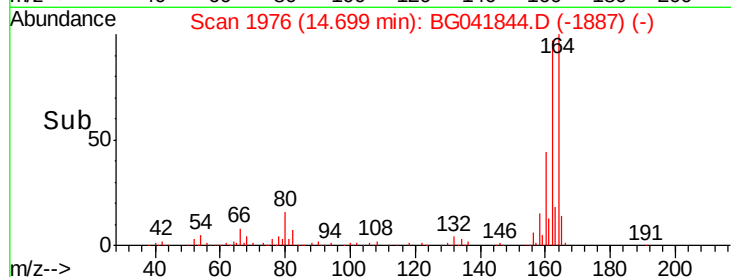
160 43.9 35.4 53.0



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: 226.537 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG041844.D

Acq: 31 Jul 2019 22:02

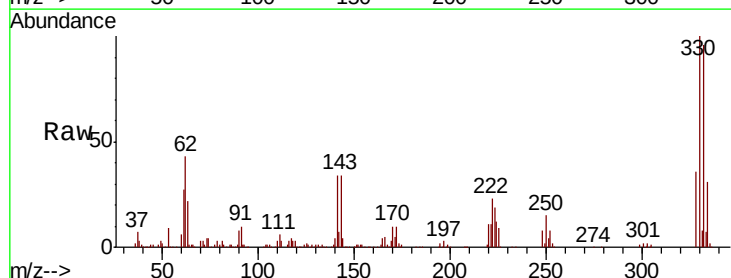
Tgt Ion:330 Resp: 457409

Ion Ratio Lower Upper

330 100

332 94.9 77.4 116.0

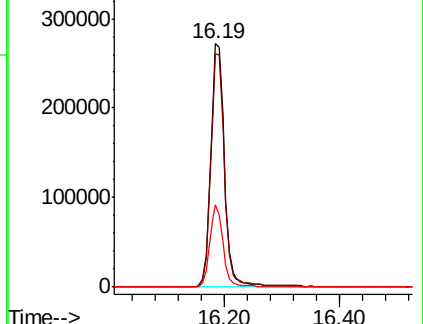
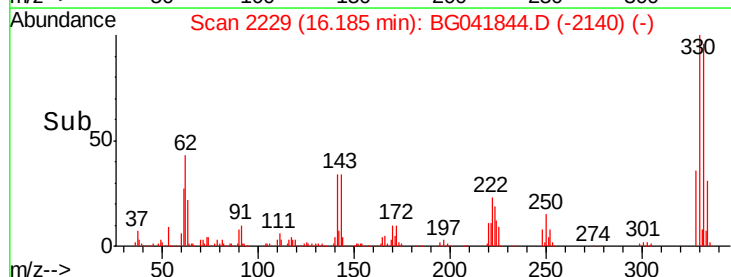
141 32.3 31.9 47.9

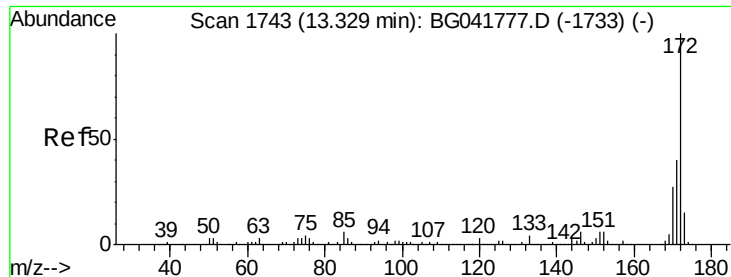


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

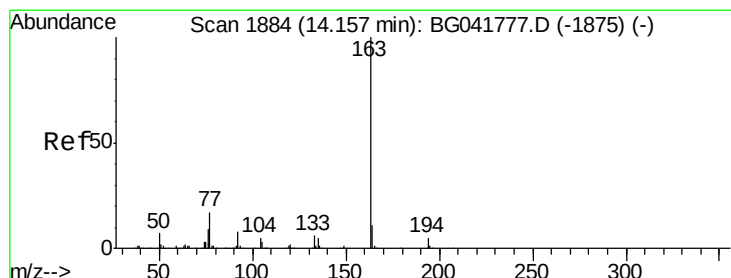
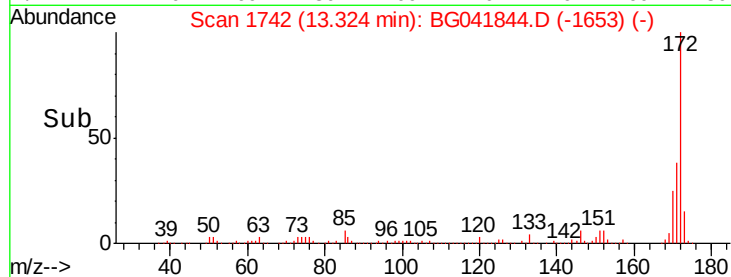
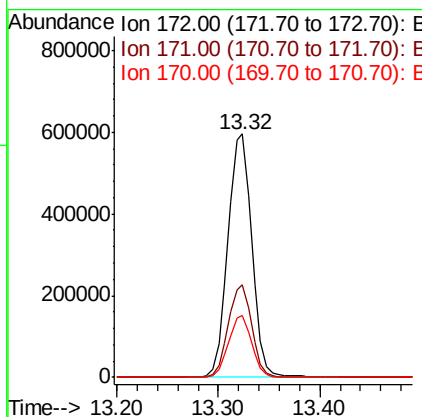
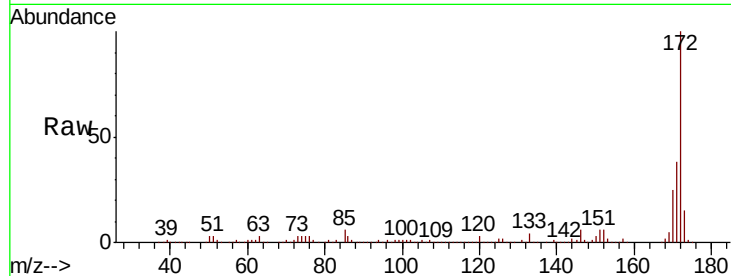




#45
 2-Fluorobiphenyl
 Concen: 96.709 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: BG041844.D
 Acq: 31 Jul 2019 22:02

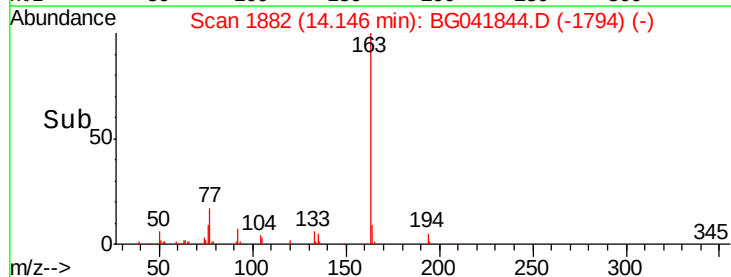
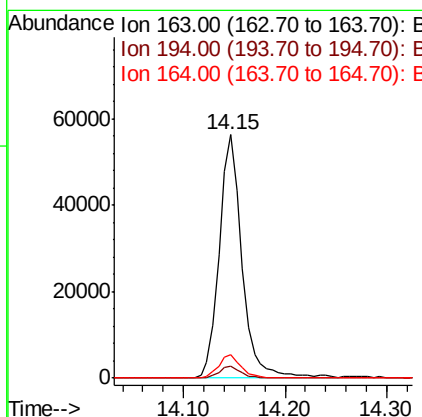
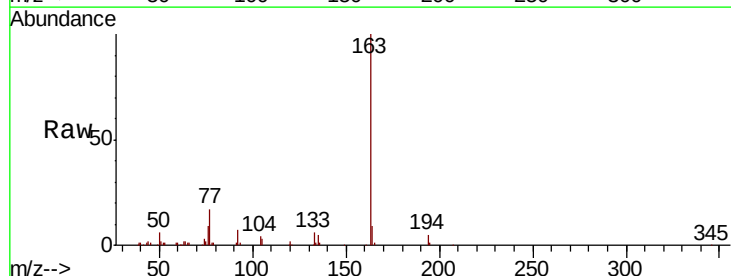
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 BNA_G
 ClientSampleId :
 TP-8-A

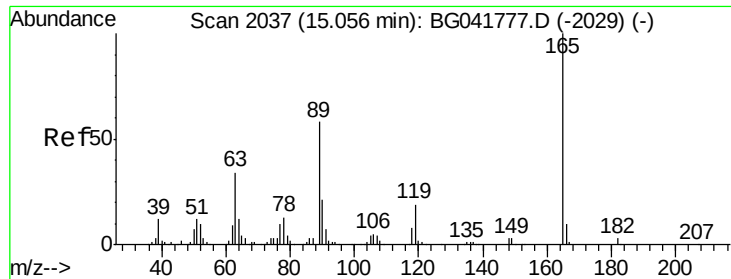
Tgt Ion:	172	Resp:	974710
Ion	Ratio	Lower	Upper
172	100		
171	38.2	35.0	52.4
170	25.2	23.5	35.3



#50
 Dimethylphthalate
 Concen: 7.247 ng
 RT: 14.15 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: BG041844.D
 Acq: 31 Jul 2019 22:02

Tgt Ion:	163	Resp:	87982
Ion	Ratio	Lower	Upper
163	100		
194	4.7	4.2	6.2
164	9.4	9.4	14.2#

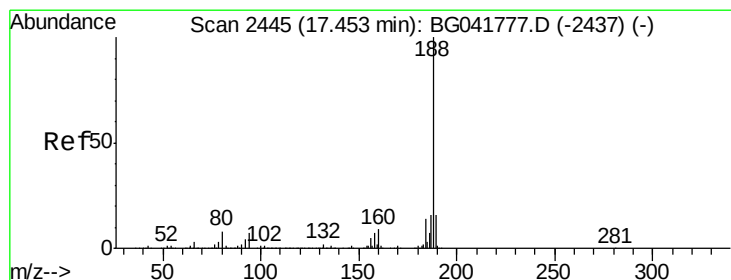
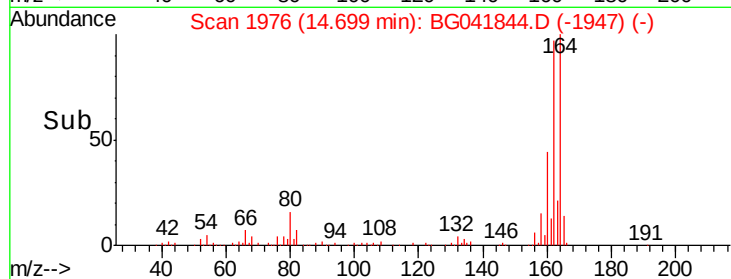
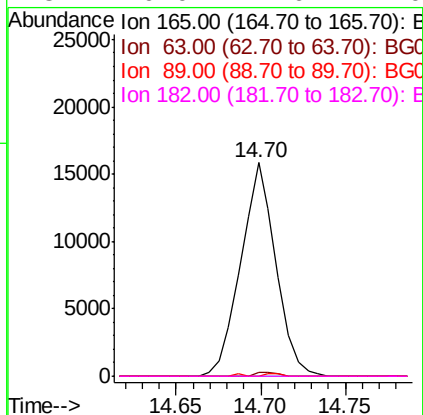
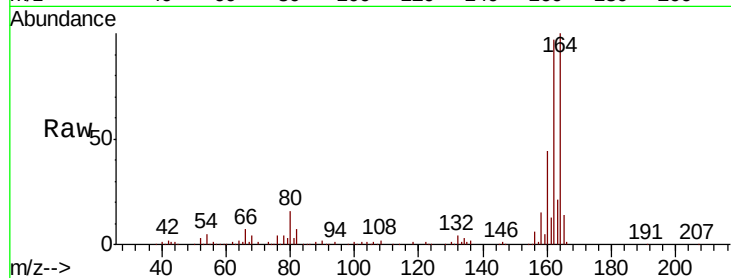




#57
 2,4-Dinitrotoluene
 Concen: 6.521 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG041844.D
 Acq: 31 Jul 2019 22:02

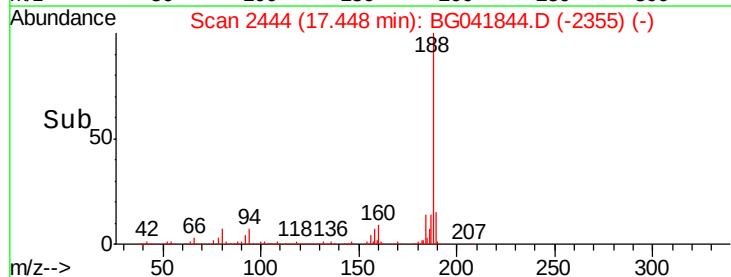
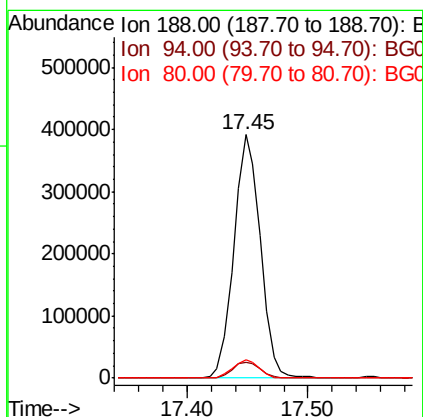
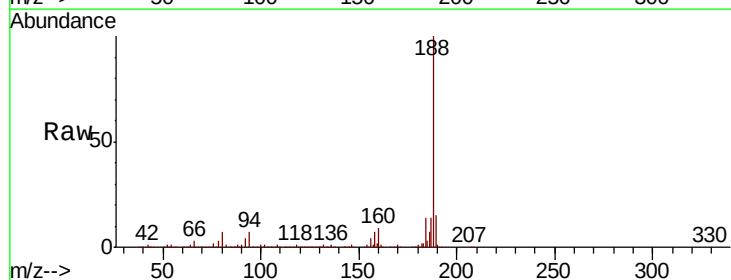
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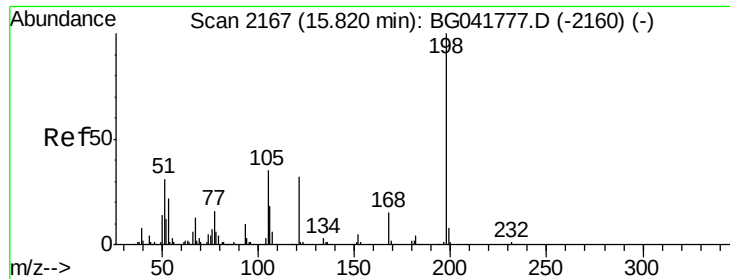
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	31.7	47.5#
89	0.0	50.2	75.4#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BG041844.D
 Acq: 31 Jul 2019 22:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.9	10.3#
80	7.5	8.0	12.0#

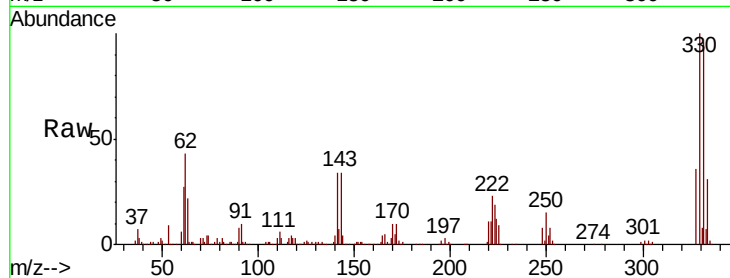




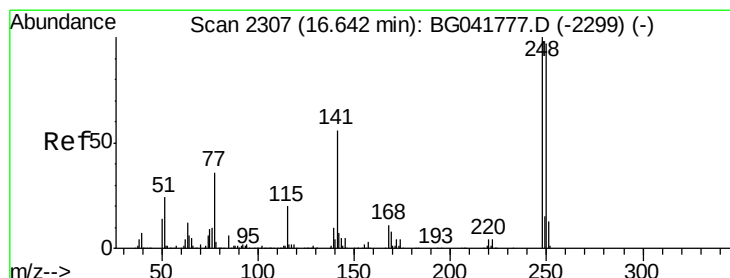
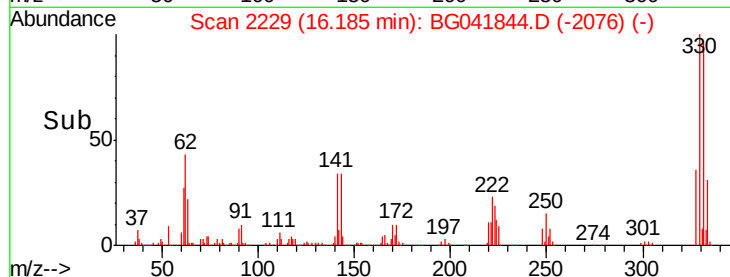
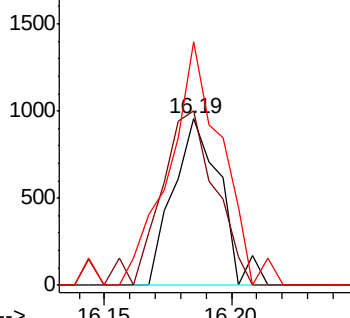
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.214 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. 0.37 min
 Lab File: BG041844.D
 Acq: 31 Jul 2019 22:02

Instrument :
 BNA_G
 ClientSampleId :
 TP-8-A

Tgt Ion:198 Resp: 1232
 Ion Ratio Lower Upper
 198 100
 51 104.5 22.3 62.3#
 105 146.1 18.0 58.0#

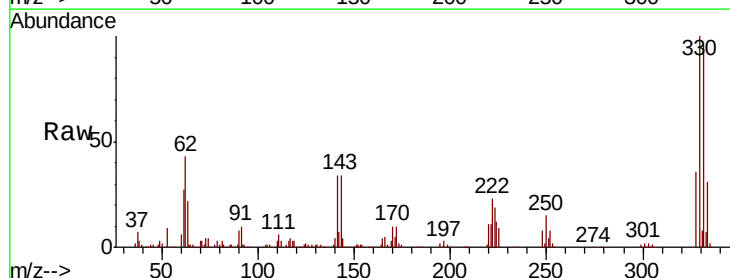


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

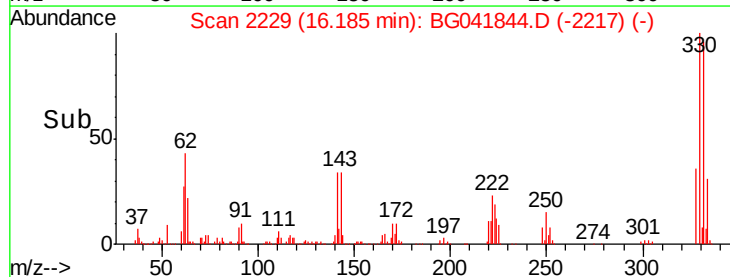
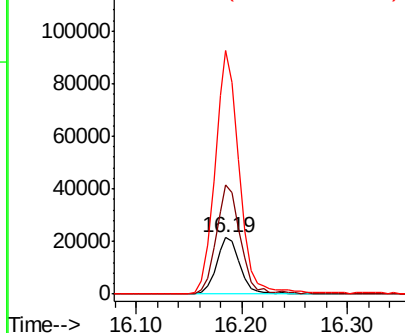


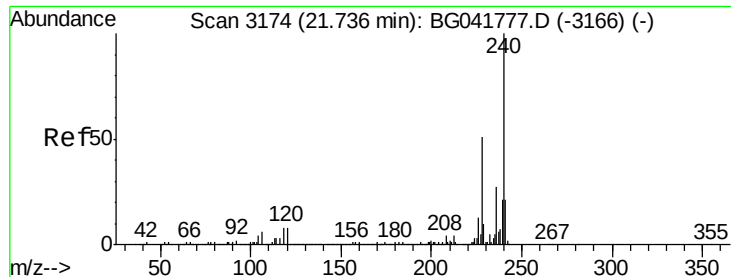
#67
 4-Bromophenyl-phenylether
 Concen: 4.605 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.46 min
 Lab File: BG041844.D
 Acq: 31 Jul 2019 22:02

Tgt Ion:248 Resp: 33881
 Ion Ratio Lower Upper
 248 100
 250 193.5 78.1 117.1#
 141 429.6 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

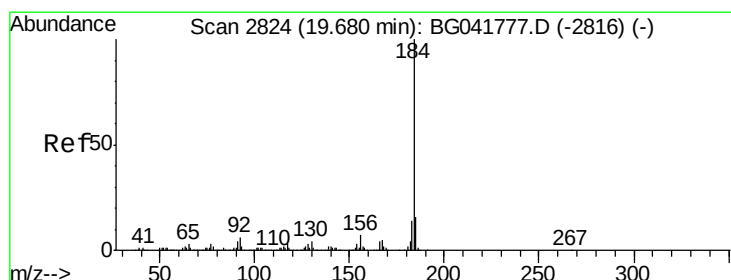
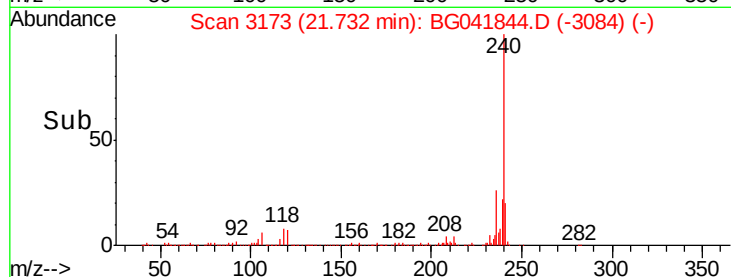
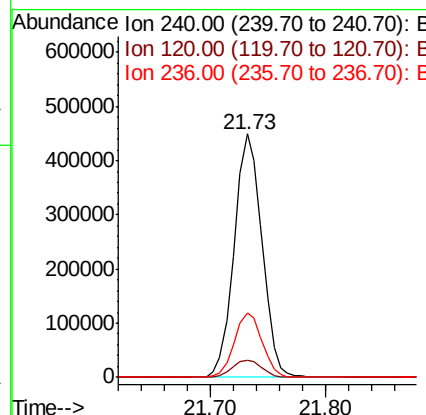
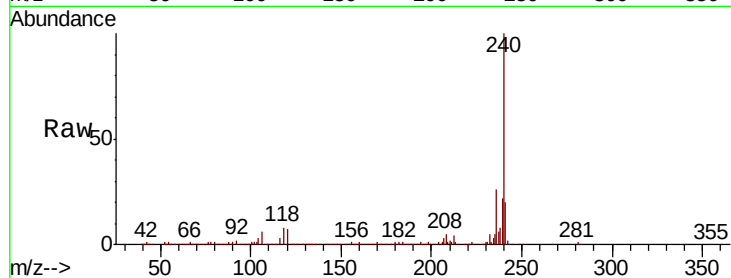




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BG041844.D
Acq: 31 Jul 2019 22:02

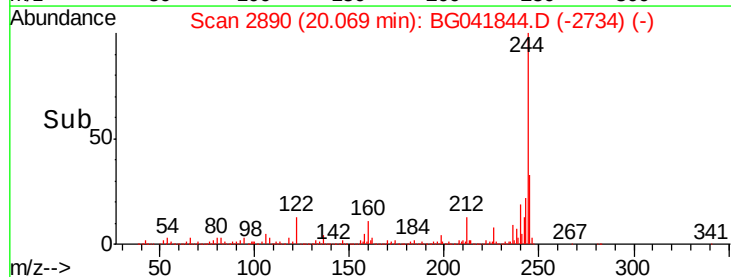
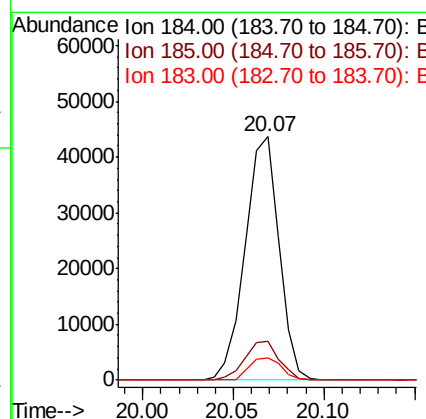
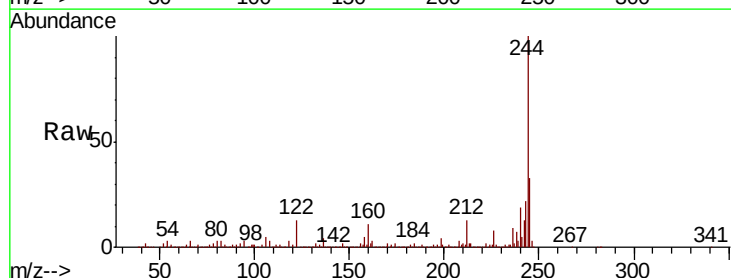
Instrument :
BNA_G
ClientSampleId :
TP-8-A

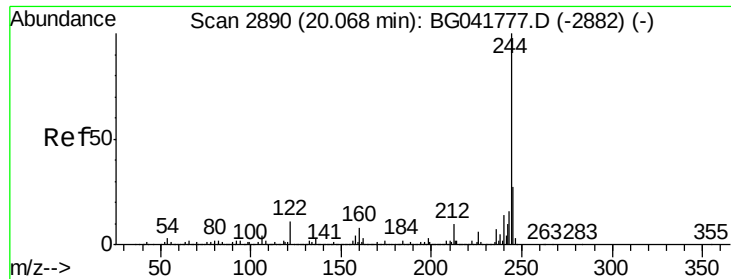
Tgt Ion:240 Resp: 747368
Ion Ratio Lower Upper
240 100
120 7.2 8.0 12.0#
236 26.4 22.6 33.8



#77
Benzidine
Concen: 2.337 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.39 min
Lab File: BG041844.D
Acq: 31 Jul 2019 22:02

Tgt Ion:184 Resp: 57000
Ion Ratio Lower Upper
184 100
185 16.2 13.0 19.4
183 9.0 11.8 17.6#





#79

Terphenyl-d14

Concen: 89.059 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BG041844.D

Acq: 31 Jul 2019 22:02

Instrument :

BNA_G

ClientSampleId :

TP-8-A

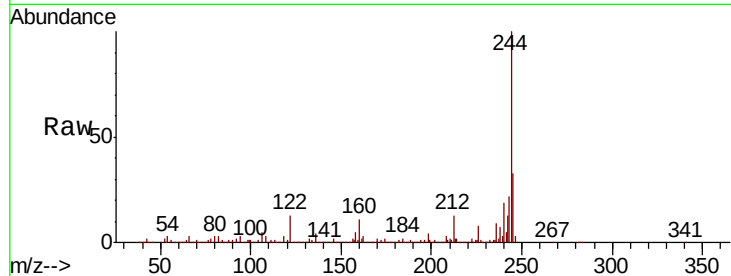
Tgt Ion:244 Resp: 2908755

Ion Ratio Lower Upper

244 100

212 12.6 9.7 14.5

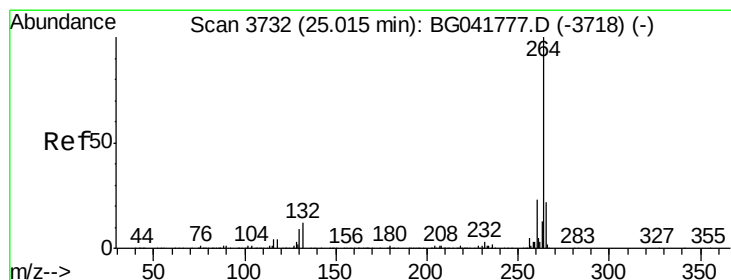
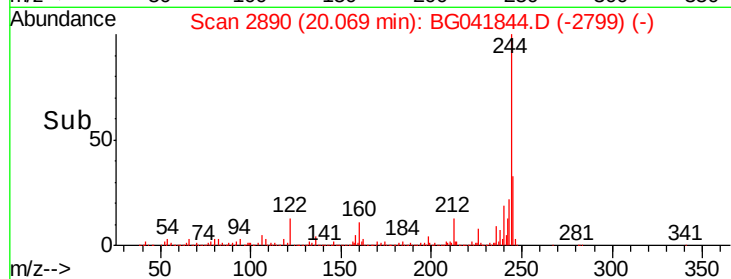
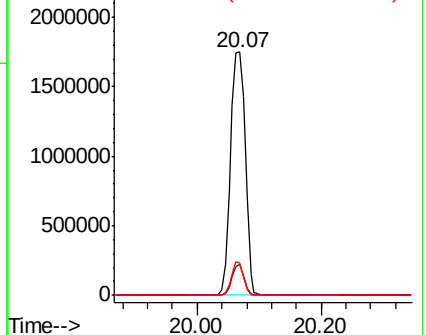
122 13.3 12.5 18.7



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: BG041844.D

Acq: 31 Jul 2019 22:02

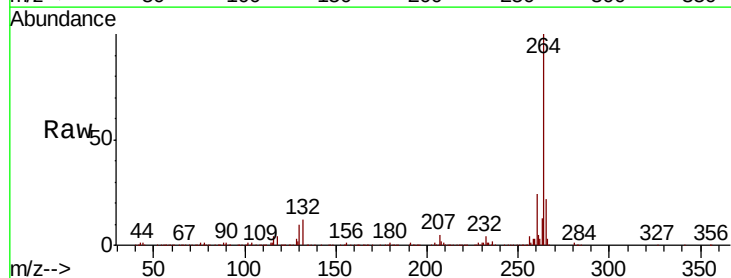
Tgt Ion:264 Resp: 766842

Ion Ratio Lower Upper

264 100

260 23.7 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

