

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042304.D
 Acq On : 18 Aug 2019 2:22
 Operator : HP/JU
 Sample : K4238-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-18

Quant Time: Aug 19 06:02:48 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

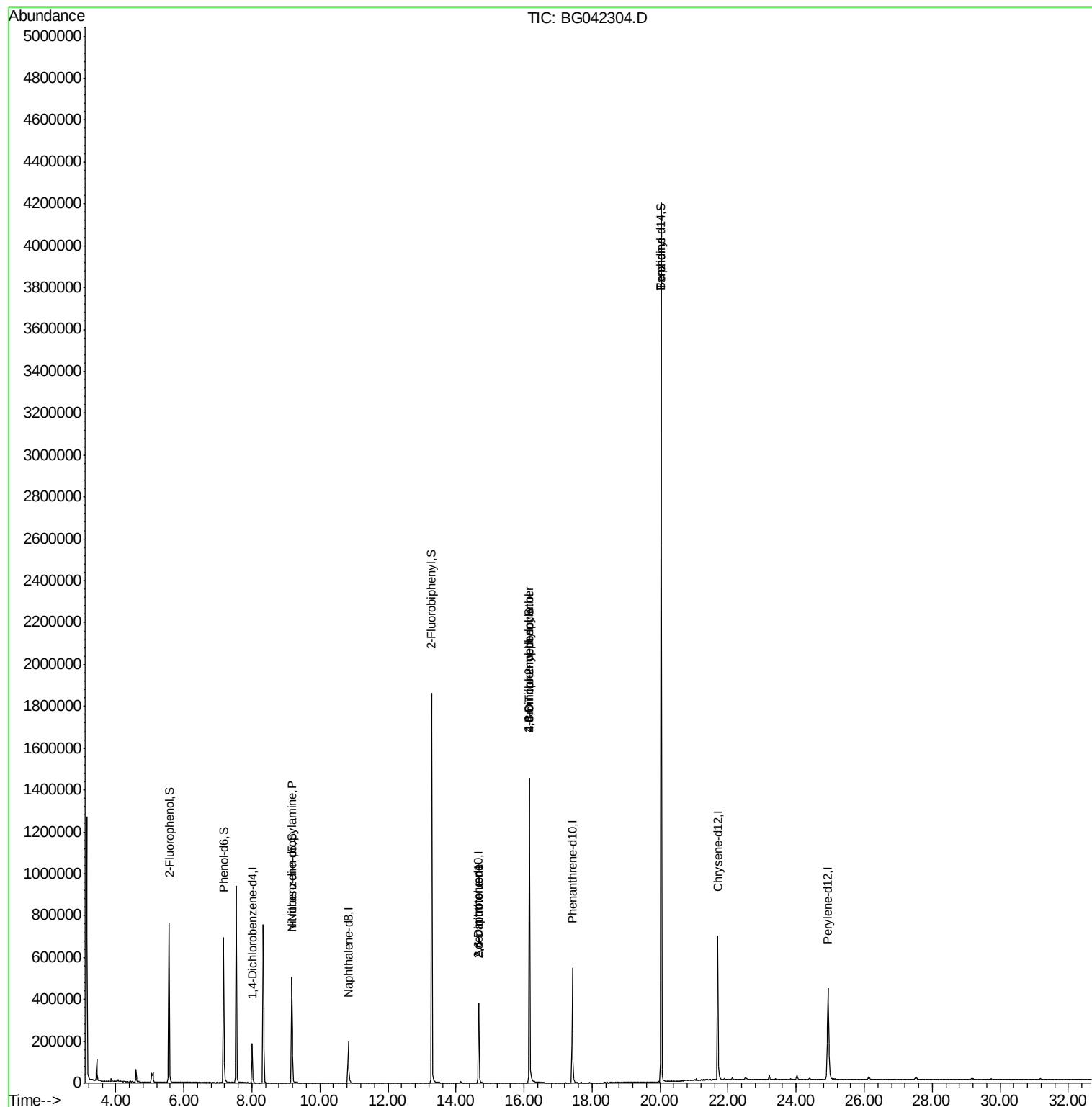
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	61825	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	231026	20.00	ng	-0.04
39) Acenaphthene-d10	14.66	164	167191	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	409536	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	466335	20.00	ng	-0.04
87) Perylene-d12	24.94	264	526054	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	400301	125.97	ng	-0.03
7) Phenol-d6	7.17	99	483396	112.84	ng	-0.03
23) Nitrobenzene-d5	9.17	82	353592	105.33	ng	-0.04
42) 2,4,6-Tribromophenol	16.16	330	368807	194.20	ng	-0.03
45) 2-Fluorobiphenyl	13.28	172	1098091	115.84	ng	-0.04
79) Terphenyl-d14	20.04	244	2135723	104.80	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	44573	14.331	ng	# 64
51) 2,6-Dinitrotoluene	14.66	165	21480	8.996	ng	# 25
57) 2,4-Dinitrotoluene	14.66	165	21481	6.542	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.16	198	785	7.188	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	25865	5.127	ng	# 1
77) Benzidine	20.03	184	31400	2.063	ng	# 92

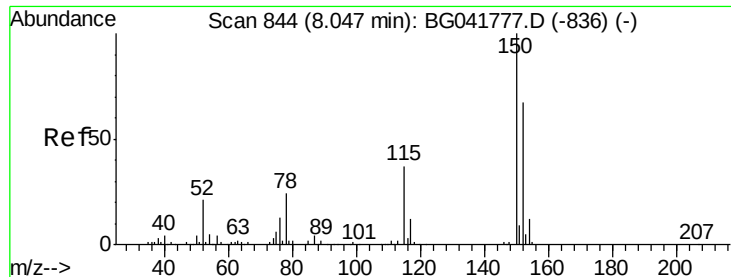
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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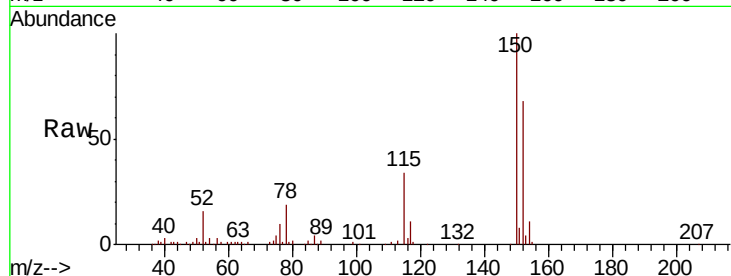


#1

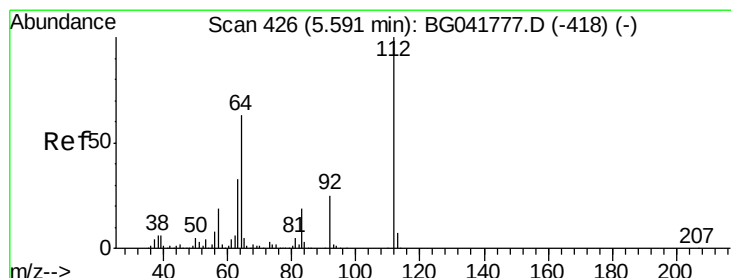
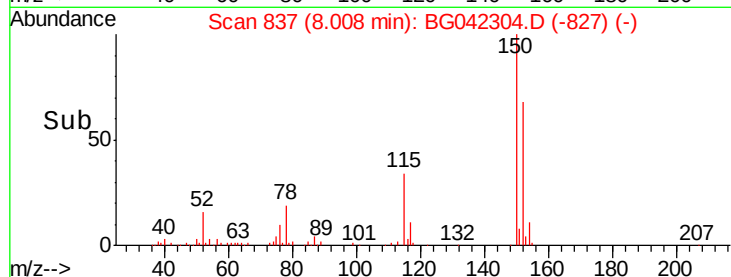
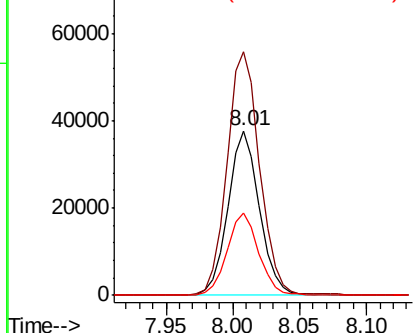
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042304.D
Acq: 18 Aug 2019 2:22

Instrument :
BNA_G
ClientSampleId :
TP-18

Tgt Ion:152 Resp: 61825
Ion Ratio Lower Upper
152 100
150 147.9 126.9 190.3
115 49.9 45.0 67.6



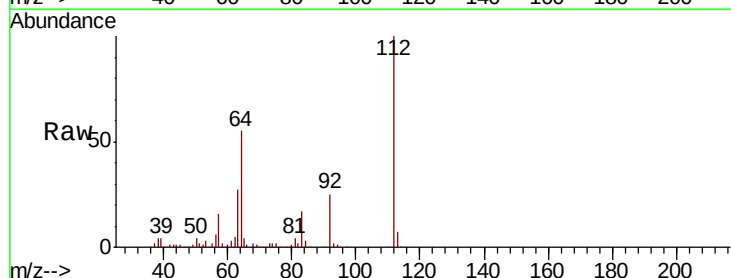
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



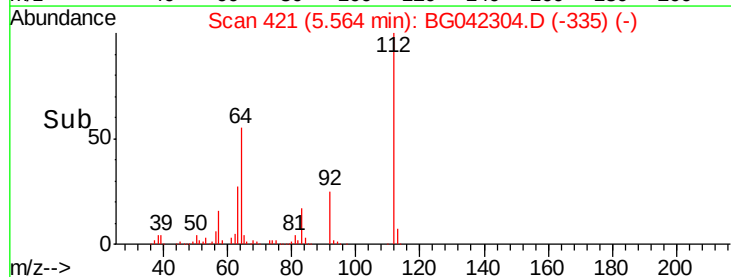
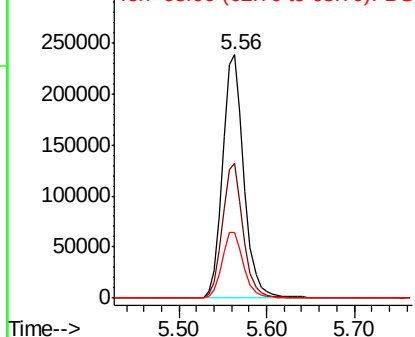
#5

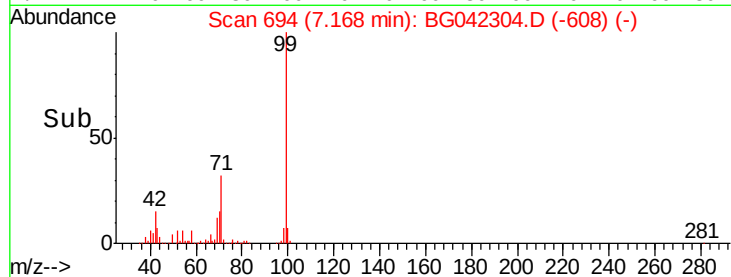
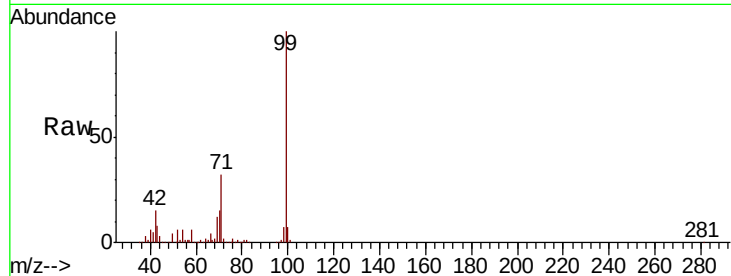
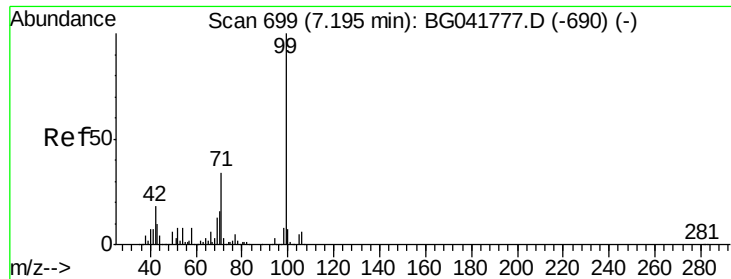
2-Fluorophenol
Concen: 125.974 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.03 min
Lab File: BG042304.D
Acq: 18 Aug 2019 2:22

Tgt Ion:112 Resp: 400301
Ion Ratio Lower Upper
112 100
64 55.3 55.4 83.2#
63 26.9 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: 112.838 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042304.D

Acq: 18 Aug 2019 2:22

Instrument :

BNA_G

ClientSampleId :

TP-18

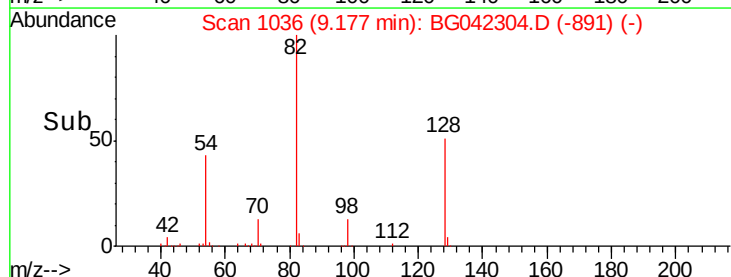
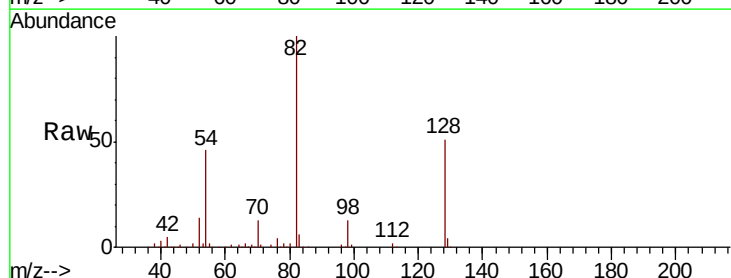
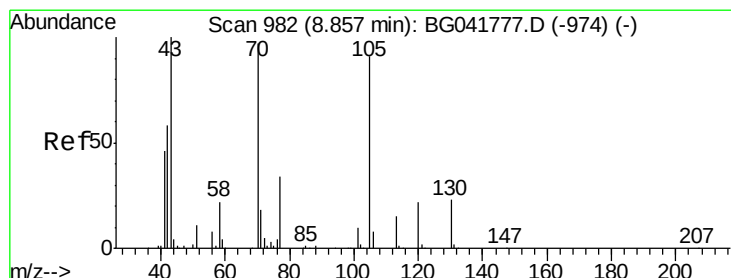
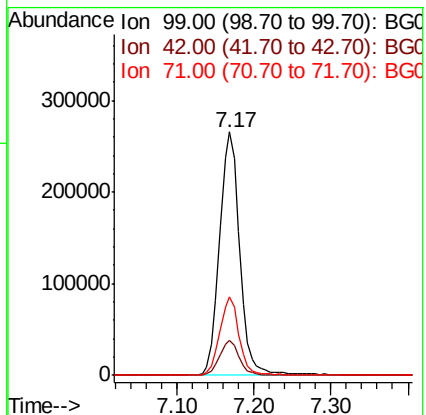
Tgt Ion: 99 Resp: 483396

Ion Ratio Lower Upper

99 100

42 14.6 17.6 26.4#

71 32.1 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.331 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042304.D

Acq: 18 Aug 2019 2:22

Tgt Ion: 70 Resp: 44573

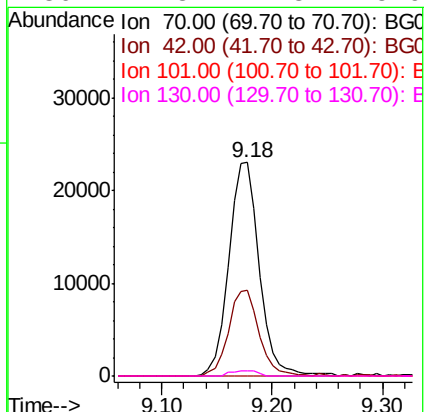
Ion Ratio Lower Upper

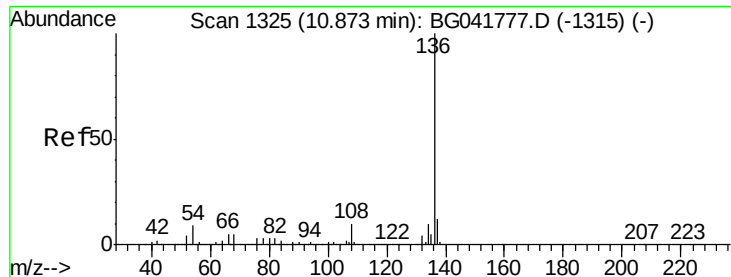
70 100

42 40.4 55.8 83.6#

101 0.0 8.1 12.1#

130 2.3 17.3 25.9#

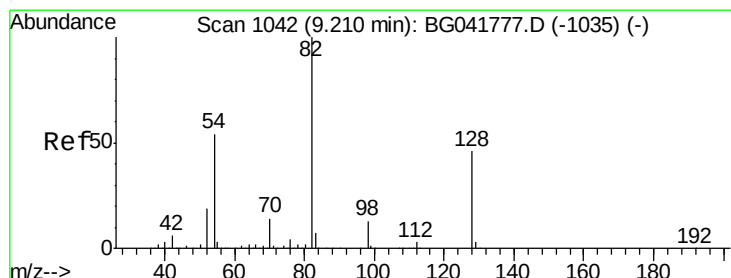
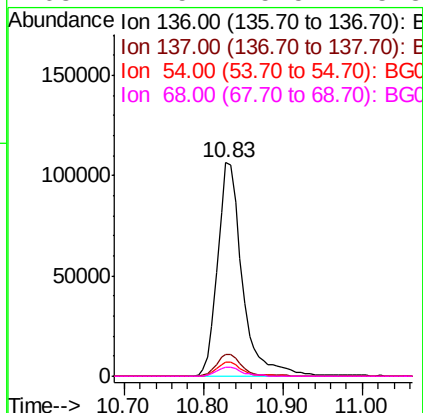
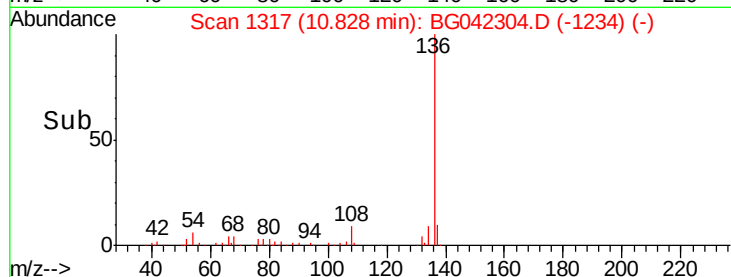
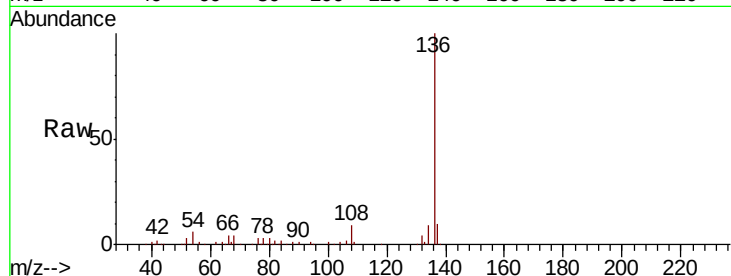




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.04 min
Lab File: BG042304.D
Acq: 18 Aug 2019 2:22

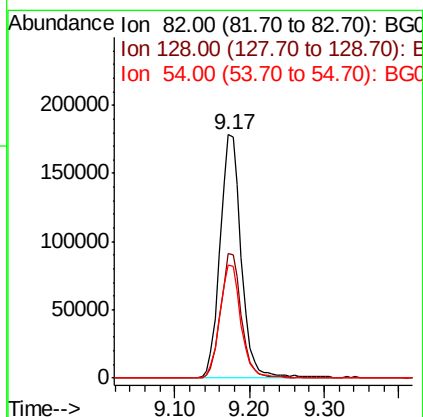
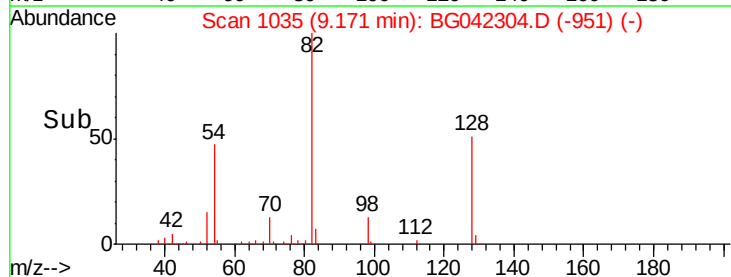
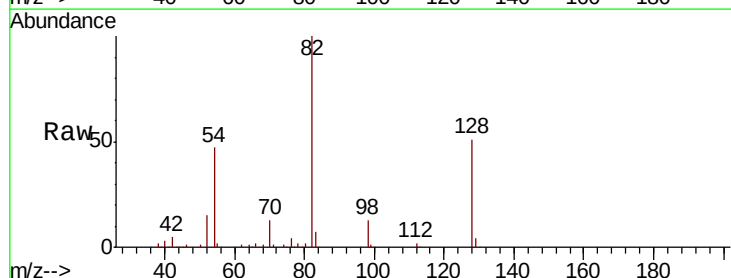
Instrument :
BNA_G
ClientSampleId :
TP-18

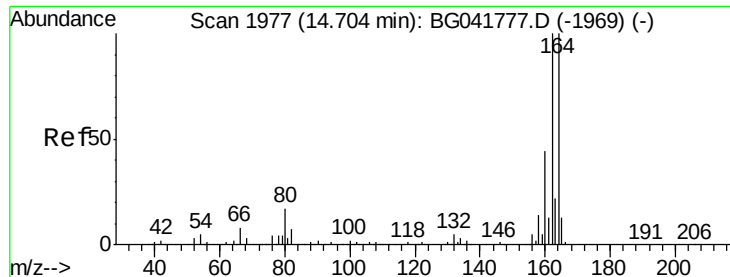
Tgt Ion:	136	Resp:	231026
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	6.4	8.7	13.1#
68	4.5	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 105.325 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.04 min
Lab File: BG042304.D
Acq: 18 Aug 2019 2:22

Tgt Ion:	82	Resp:	353592
Ion	Ratio	Lower	Upper
82	100		
128	51.0	35.1	52.7
54	46.6	48.7	73.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.04 min

Lab File: BG042304.D

Acq: 18 Aug 2019 2:22

Instrument :

BNA_G

ClientSampleId :

TP-18

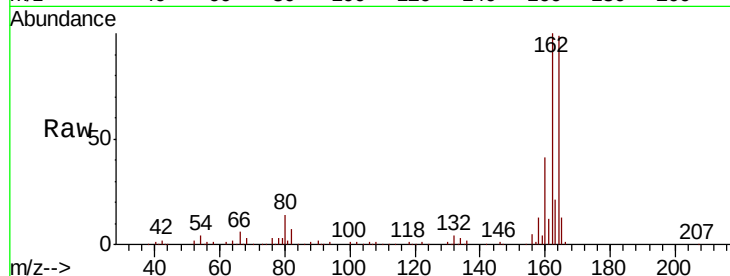
Tgt Ion:164 Resp: 167191

Ion Ratio Lower Upper

164 100

162 100.6 79.6 119.4

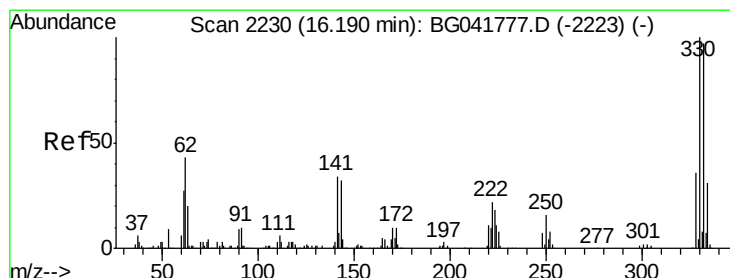
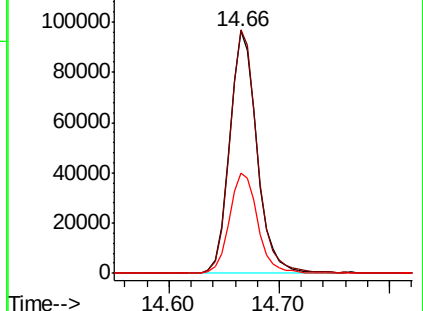
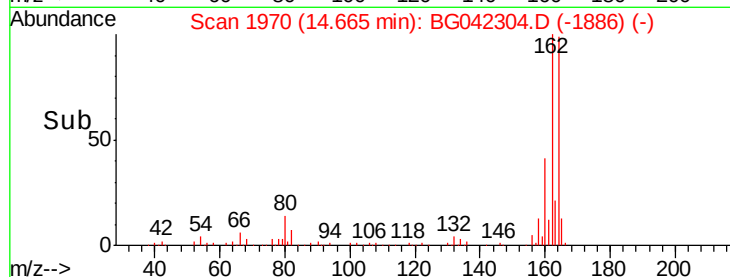
160 41.6 35.4 53.0



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: 194.205 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.03 min

Lab File: BG042304.D

Acq: 18 Aug 2019 2:22

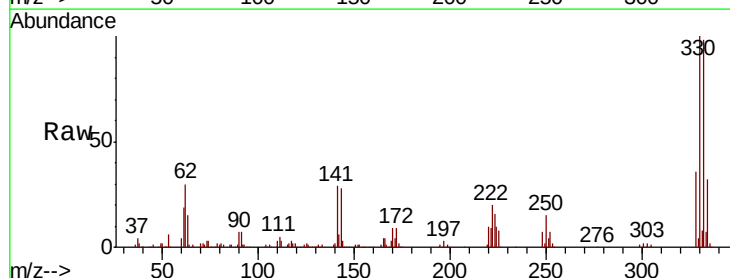
Tgt Ion:330 Resp: 368807

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.0

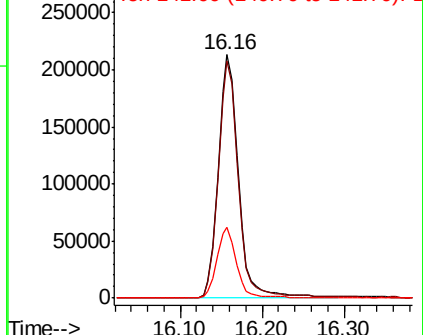
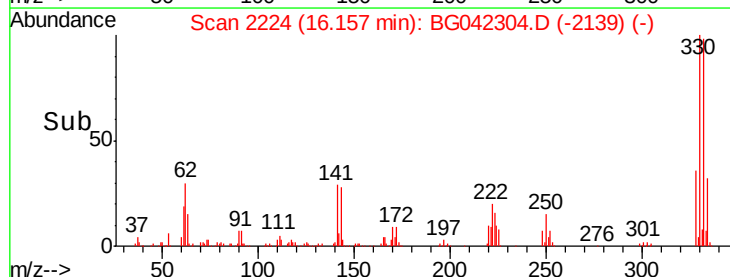
141 28.5 31.9 47.9#

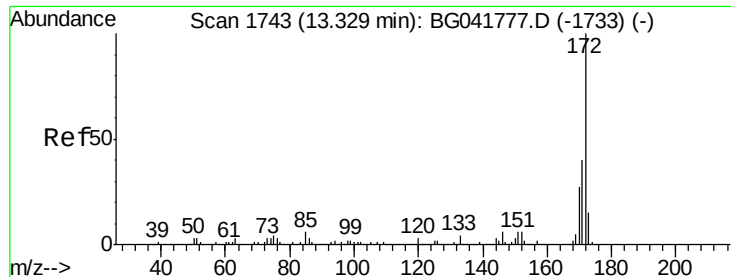


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

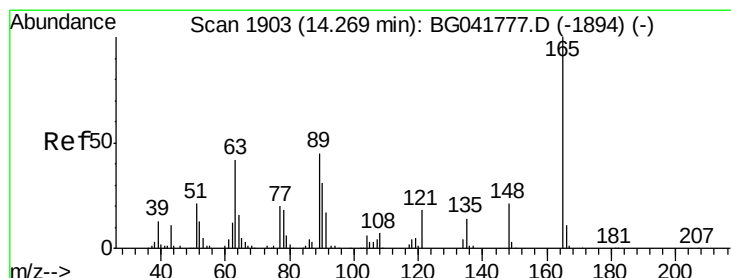
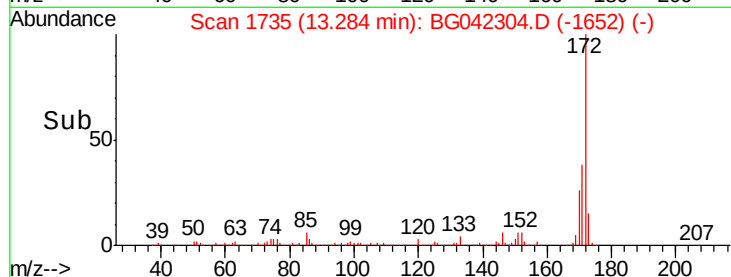
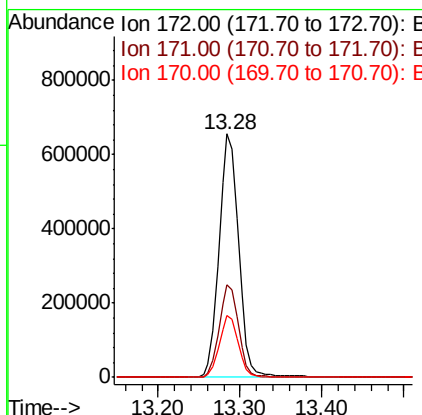
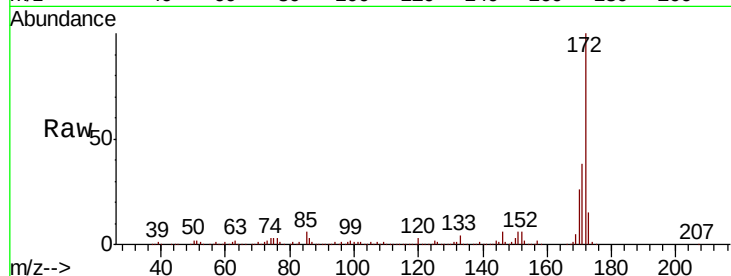




#45
 2-Fluorobiphenyl
 Concen: 115.839 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.04 min
 Lab File: BG042304.D
 Acq: 18 Aug 2019 2:22

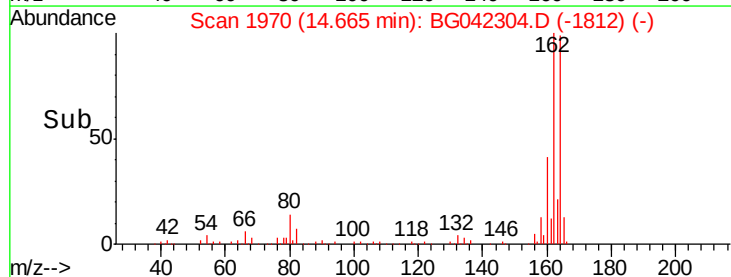
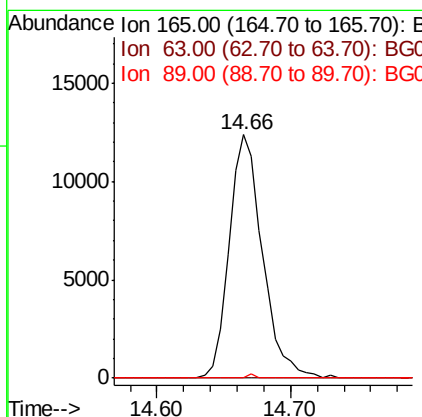
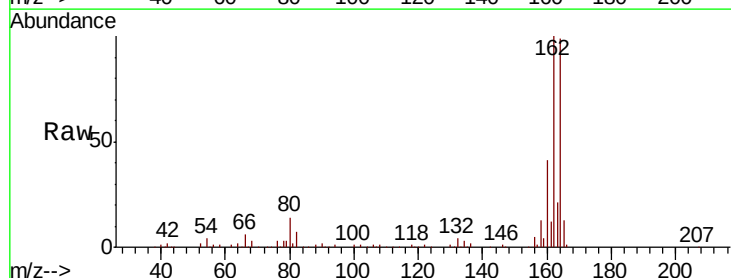
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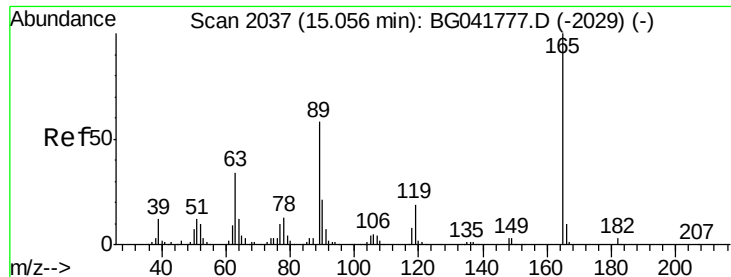
Tgt Ion:172 Resp: 1098091
 Ion Ratio Lower Upper
 172 100
 171 38.1 35.0 52.4
 170 25.5 23.5 35.3



#51
 2,6-Dinitrotoluene
 Concen: 8.996 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042304.D
 Acq: 18 Aug 2019 2:22

Tgt Ion:165 Resp: 21480
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.4 63.6#
 89 0.0 42.1 63.1#

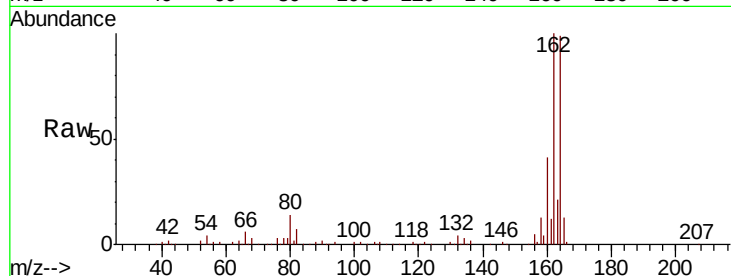




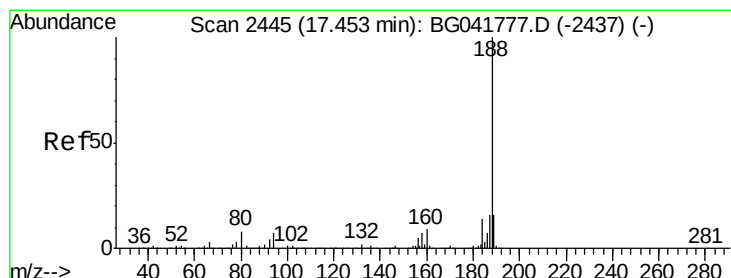
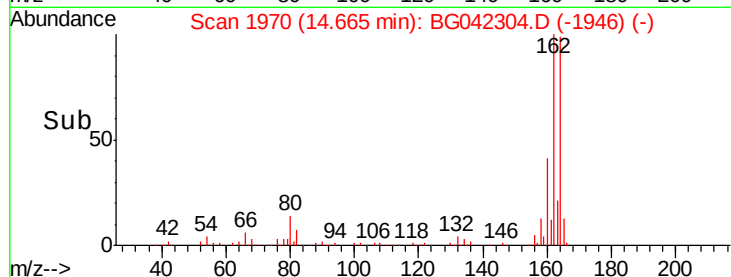
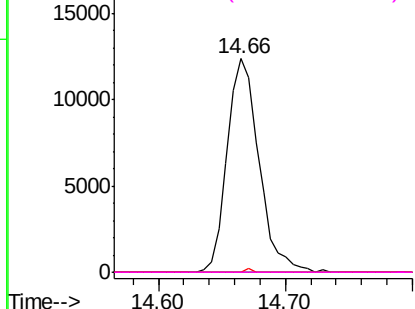
#57
 2,4-Dinitrotoluene
 Concen: 6.542 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042304.D
 Acq: 18 Aug 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :
 TP-18

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

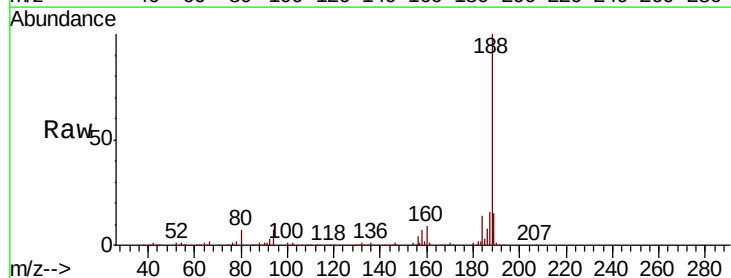


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

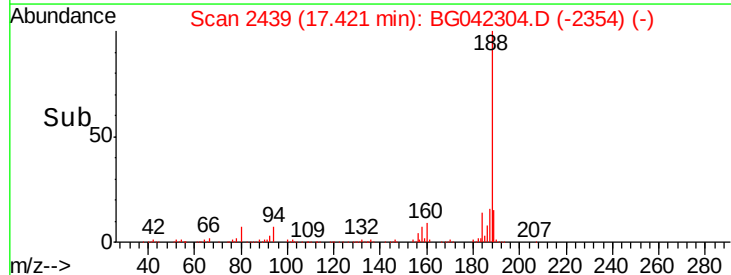
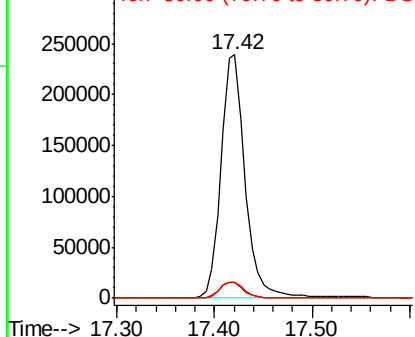


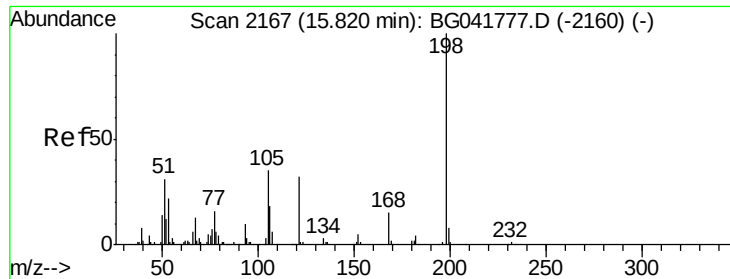
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.03 min
 Lab File: BG042304.D
 Acq: 18 Aug 2019 2:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	6.9	10.3#
80	6.7	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: 7.188 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.34 min

Lab File: BG042304.D

Acq: 18 Aug 2019 2:22

Instrument :

BNA_G

ClientSampled :

TP-18

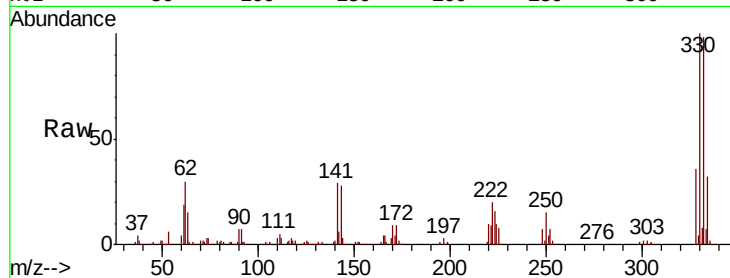
Tgt Ion:198 Resp: 785

Ion Ratio Lower Upper

198 100

51 110.6 22.3 62.3#

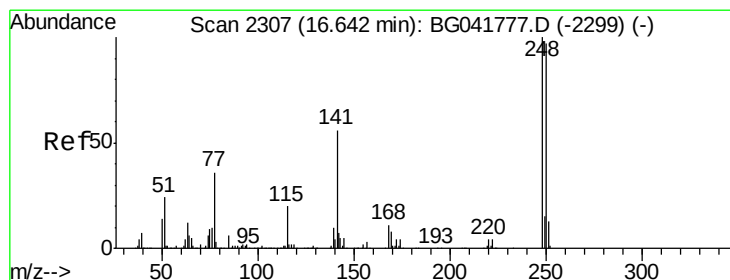
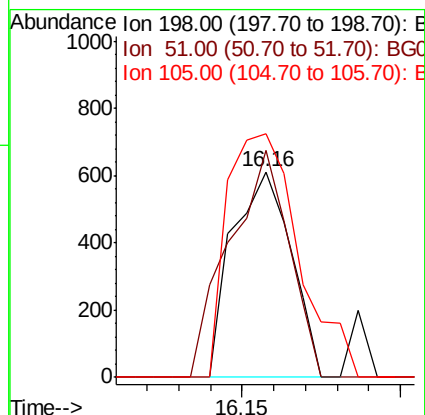
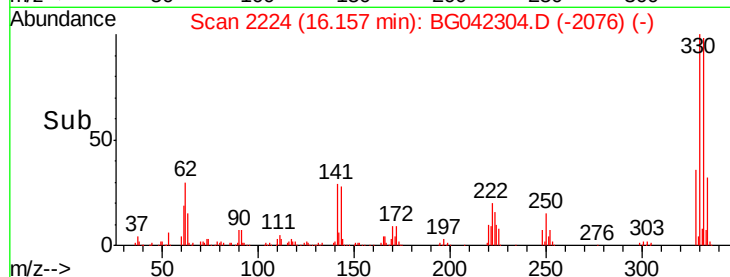
105 118.3 18.0 58.0#



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: 5.127 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.49 min

Lab File: BG042304.D

Acq: 18 Aug 2019 2:22

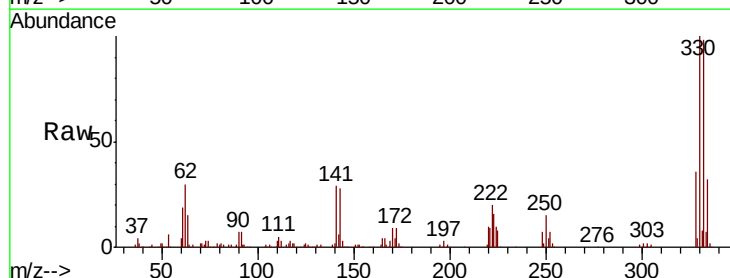
Tgt Ion:248 Resp: 25865

Ion Ratio Lower Upper

248 100

250 208.8 78.1 117.1#

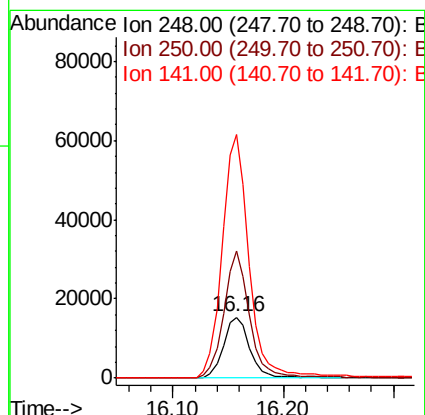
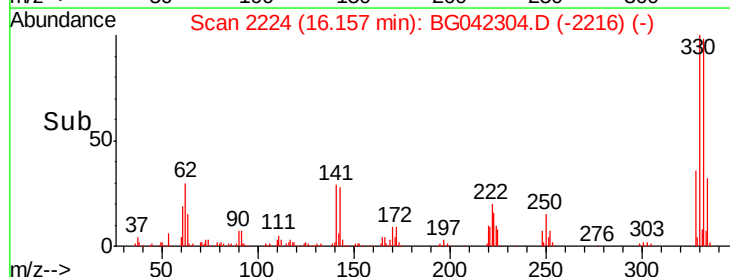
141 399.6 49.6 74.4#

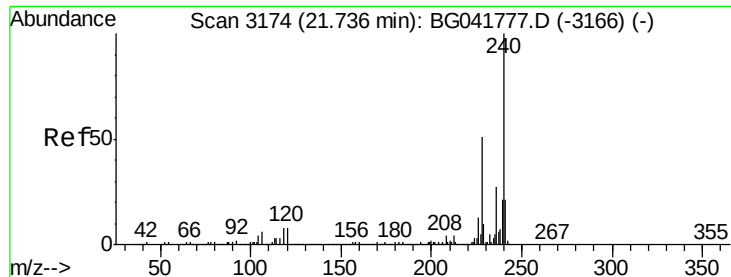


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

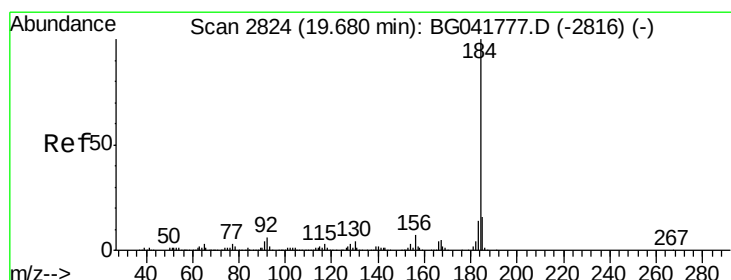
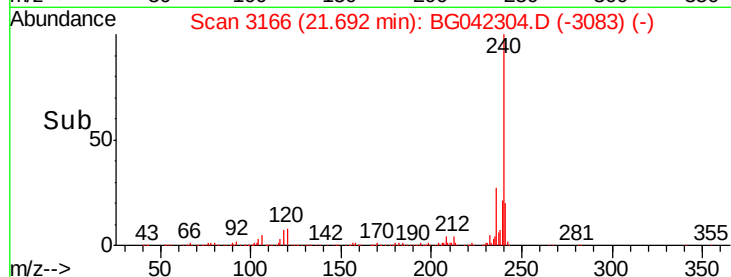
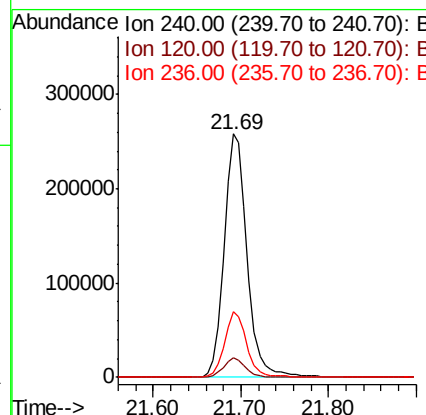
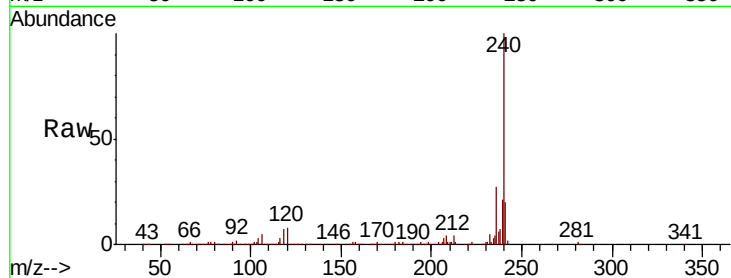




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.04 min
Lab File: BG042304.D
Acq: 18 Aug 2019 2:22

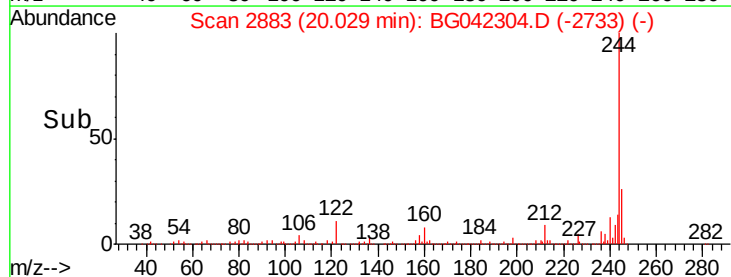
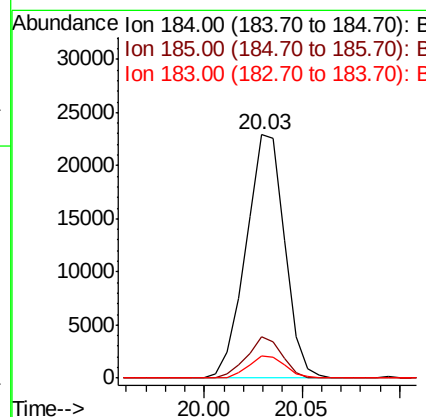
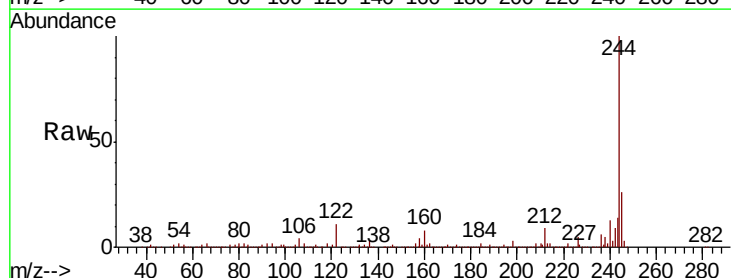
Instrument :
BNA_G
ClientSampleId :
TP-18

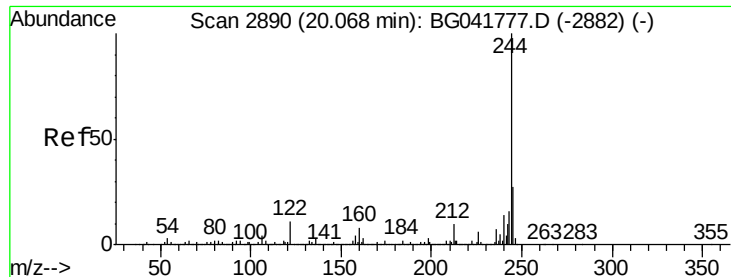
Tgt Ion:240 Resp: 466335
Ion Ratio Lower Upper
240 100
120 7.9 8.0 12.0#
236 26.7 22.6 33.8



#77
Benzidine
Concen: 2.063 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.35 min
Lab File: BG042304.D
Acq: 18 Aug 2019 2:22

Tgt Ion:184 Resp: 31400
Ion Ratio Lower Upper
184 100
185 16.9 13.0 19.4
183 8.9 11.8 17.6#





#79

Terphenyl-d14

Concen: 104.798 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042304.D

Acq: 18 Aug 2019 2:22

Instrument :

BNA_G

ClientSampleId :

TP-18

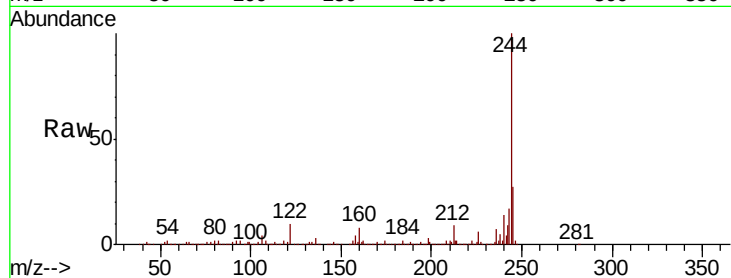
Tgt Ion:244 Resp: 2135723

Ion Ratio Lower Upper

244 100

212 9.1 9.7 14.5#

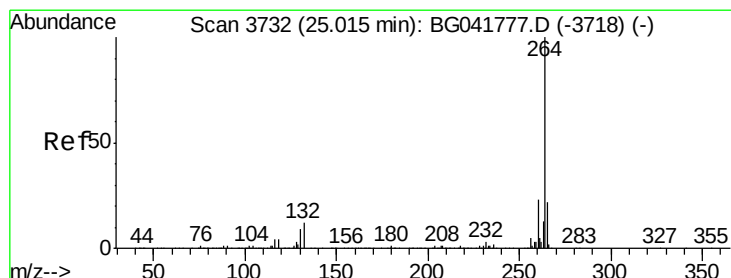
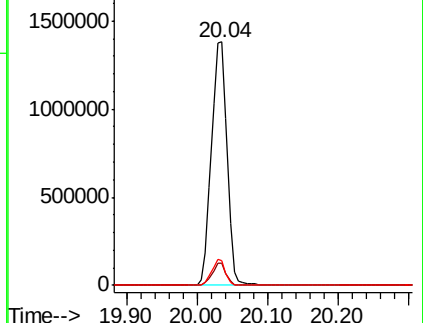
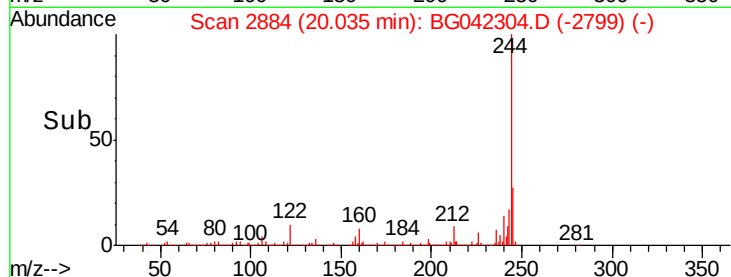
122 10.0 12.5 18.7#



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: 24.94 min Scan# 3718

Delta R.T. -0.08 min

Lab File: BG042304.D

Acq: 18 Aug 2019 2:22

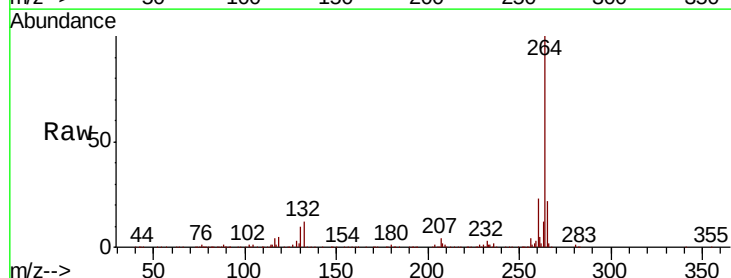
Tgt Ion:264 Resp: 526054

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 22.4 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

