

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080119\
 Data File : BG041876.D
 Acq On : 1 Aug 2019 23:15
 Operator : HP/JU
 Sample : K4044-18RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Aug 02 01:35:00 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

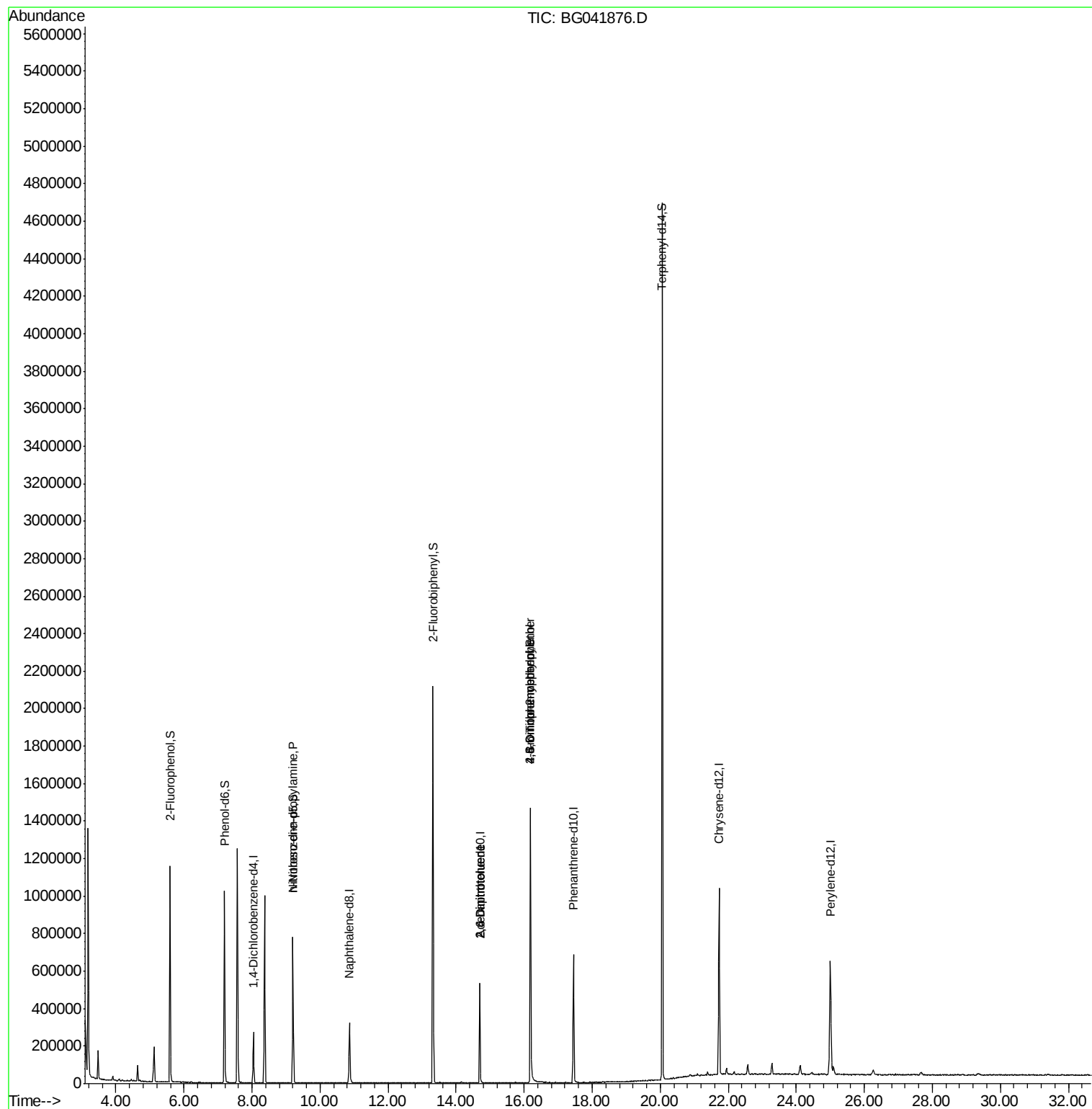
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	81286	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	306376	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	202984	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	465178	20.00	ng	0.00
76) Chrysene-d12	21.73	240	633322	20.00	ng	0.00
87) Perylene-d12	25.00	264	741308	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	518927	124.21	ng	0.00
7) Phenol-d6	7.19	99	629894	111.83	ng	0.00
23) Nitrobenzene-d5	9.20	82	471736	105.96	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	332994	144.43	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1193436	103.70	ng	-0.01
79) Terphenyl-d14	20.06	244	2229008	80.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	62701	15.333	ng	# 71
51) 2,6-Dinitrotoluene	14.70	165	26232	9.049	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	26232	6.580	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.18	198	773	7.143	ng	# 6
67) 4-Bromophenyl-phenylether	16.18	248	24372	4.253	ng	# 1

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

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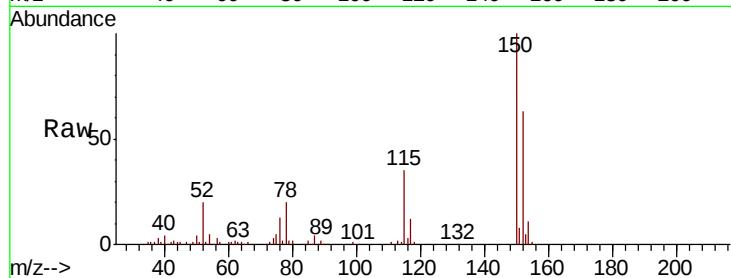




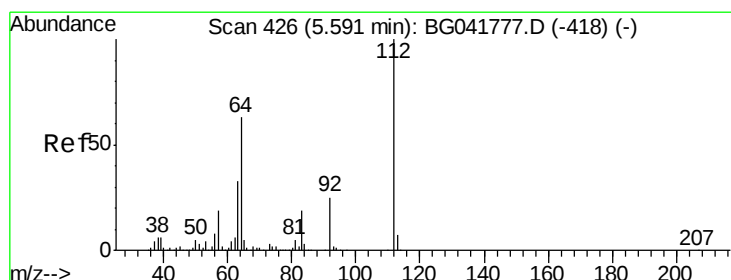
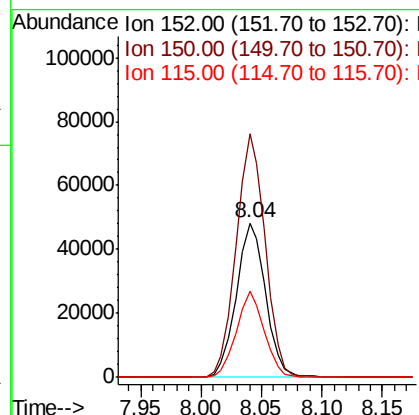
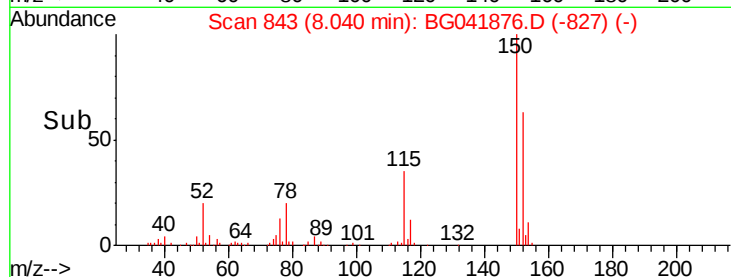
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG041876.D
 Acq: 1 Aug 2019 23:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:152 Resp: 81286
 Ion Ratio Lower Upper
 152 100
 150 158.0 126.9 190.3
 115 56.0 45.0 67.6

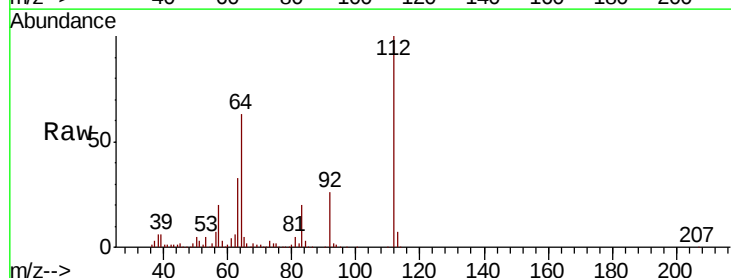


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

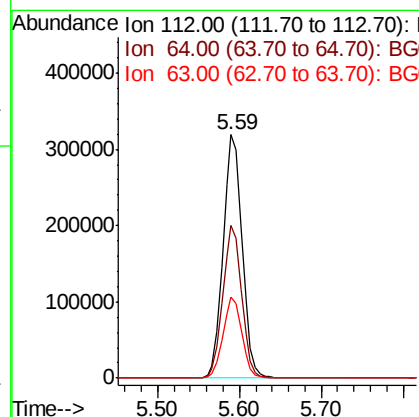
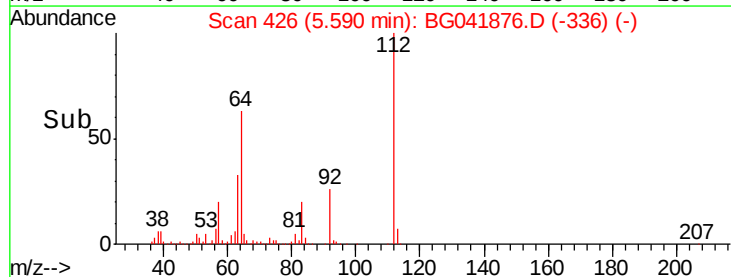


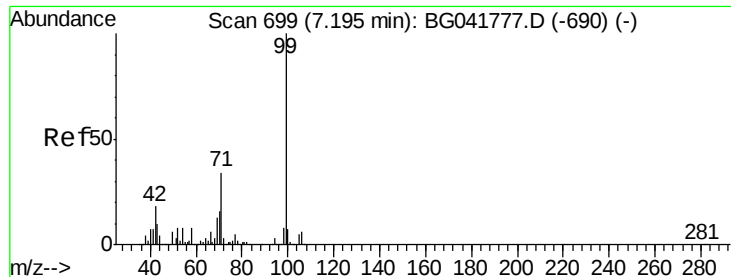
#5
 2-Fluorophenol
 Concen: 124.208 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BG041876.D
 Acq: 1 Aug 2019 23:15

Tgt Ion:112 Resp: 518927
 Ion Ratio Lower Upper
 112 100
 64 62.9 55.4 83.2
 63 33.4 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: 111.833 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG041876.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampleId :

TP-3

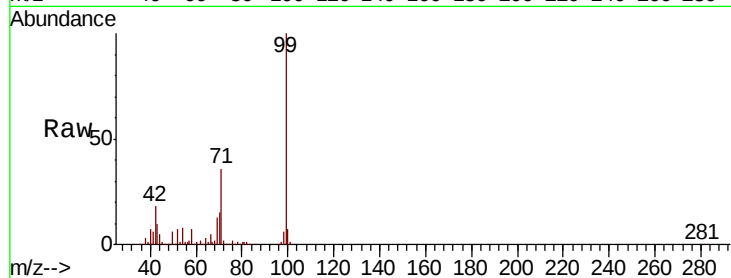
Tgt Ion: 99 Resp: 629894

Ion Ratio Lower Upper

99 100

42 18.1 17.6 26.4

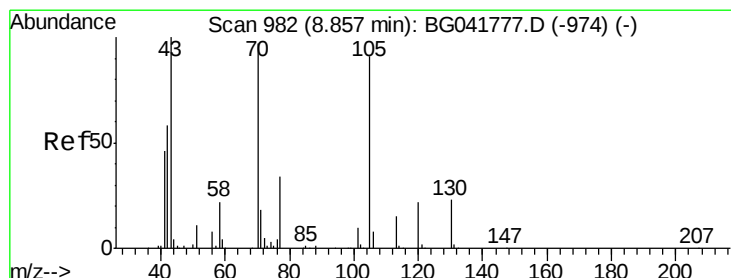
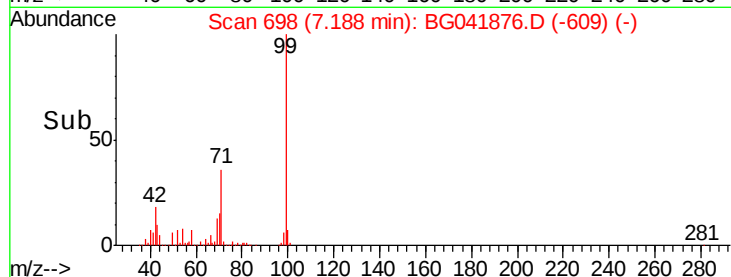
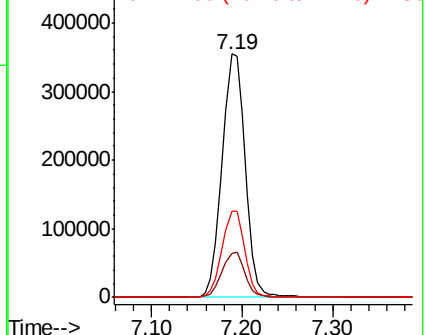
71 35.7 27.8 41.6



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: 15.333 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041876.D

Acq: 1 Aug 2019 23:15

Tgt Ion: 70 Resp: 62701

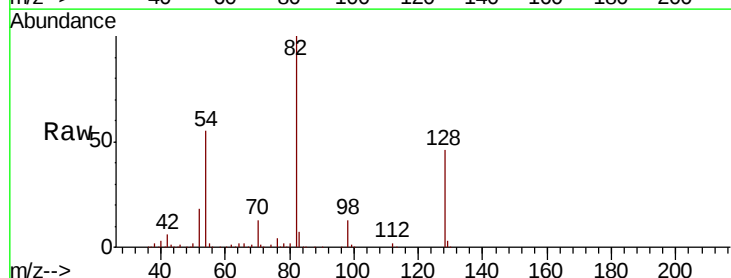
Ion Ratio Lower Upper

70 100

42 47.9 55.8 83.6#

101 0.0 8.1 12.1#

130 2.7 17.3 25.9#

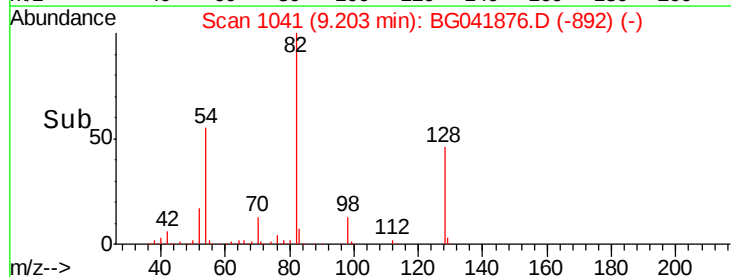
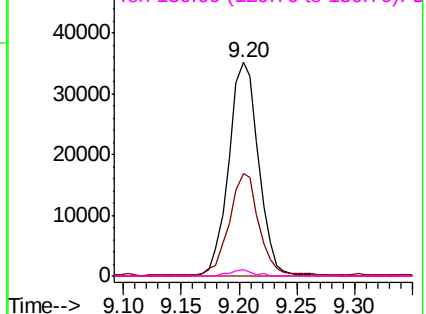


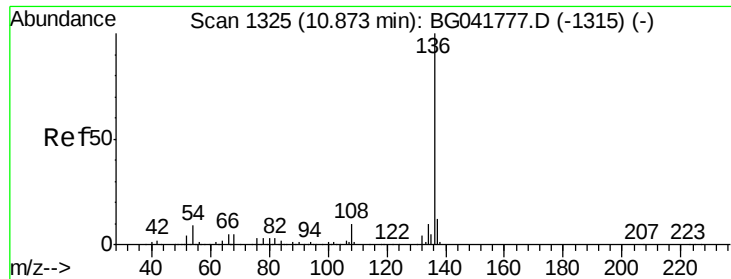
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

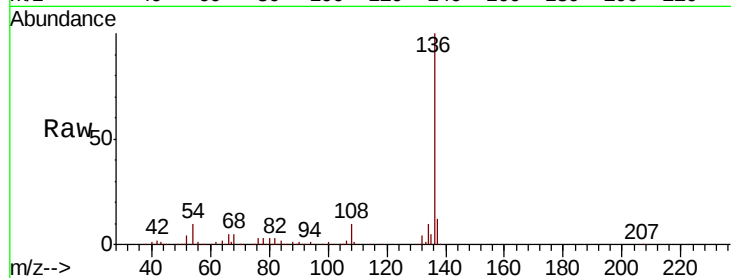




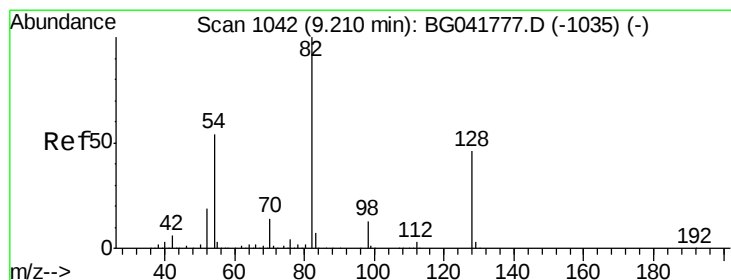
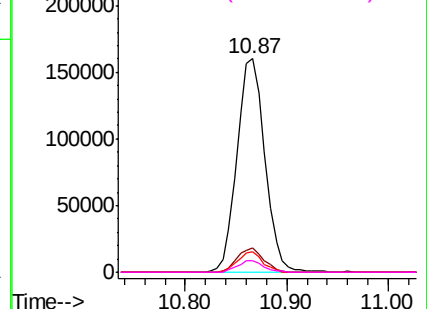
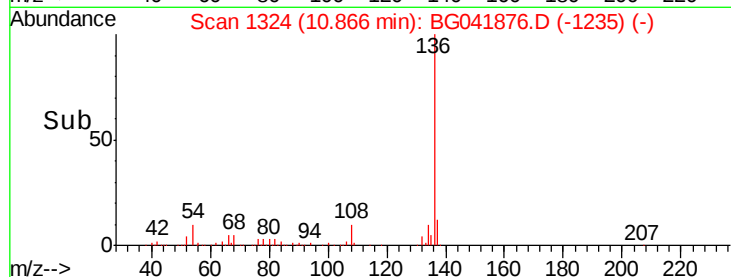
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041876.D
Acq: 1 Aug 2019 23:15

Instrument :
BNA_F
ClientSampled :
TP-3

Tgt Ion:	136	Resp:	306376
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	9.6	8.7	13.1
68	5.4	5.5	8.3#

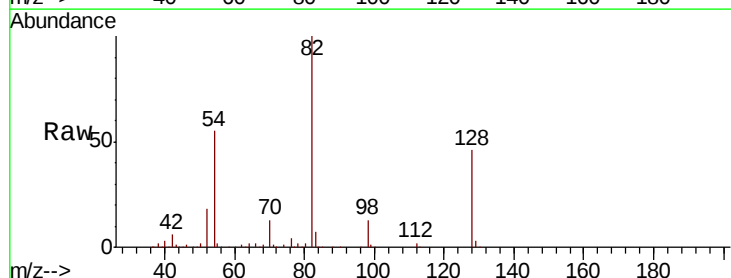


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

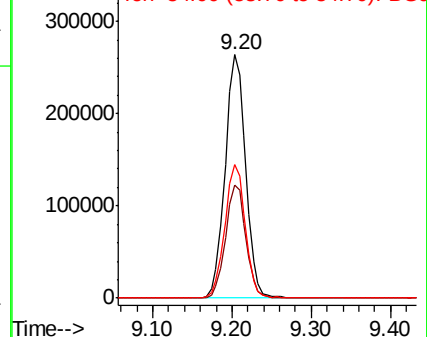
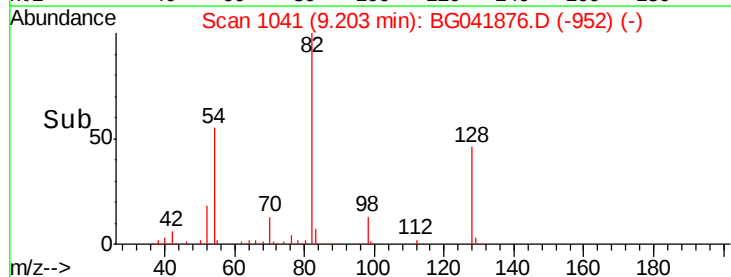


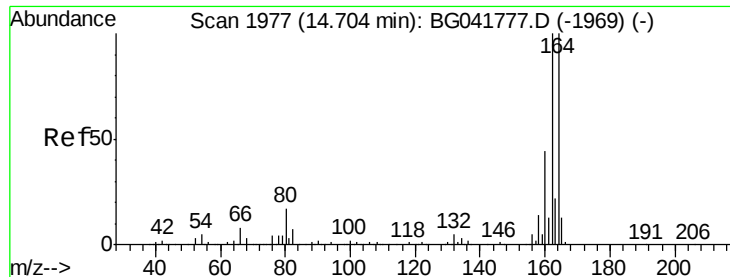
#23
Nitrobenzene-d5
Concen: 105.958 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041876.D
Acq: 1 Aug 2019 23:15

Tgt Ion:	82	Resp:	471736
Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.1	52.7
54	54.9	48.7	73.1



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG041876.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampleId :

TP-3

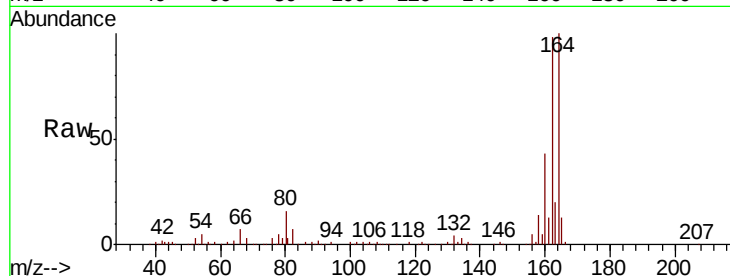
Tgt Ion:164 Resp: 202984

Ion Ratio Lower Upper

164 100

162 98.5 79.6 119.4

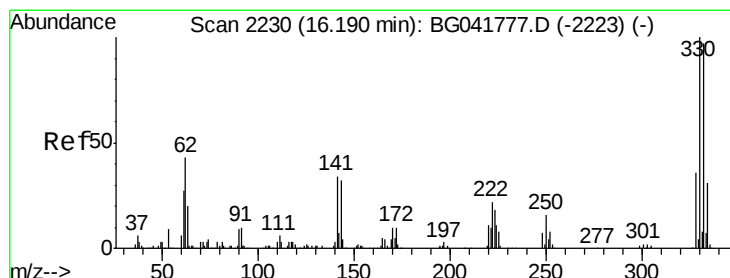
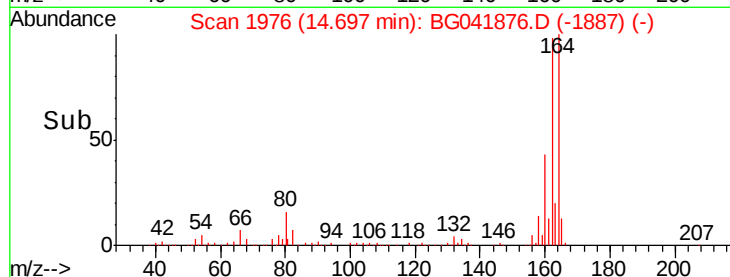
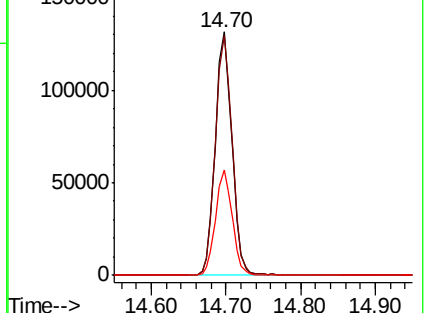
160 43.3 35.4 53.0



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: 144.427 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG041876.D

Acq: 1 Aug 2019 23:15

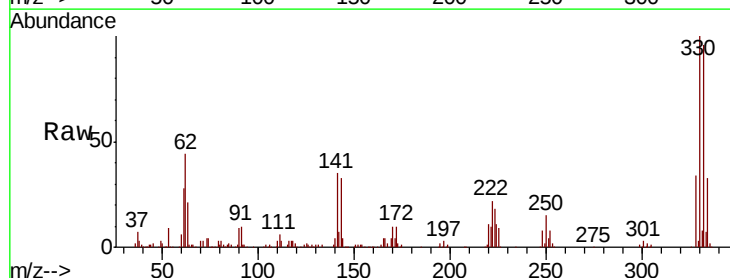
Tgt Ion:330 Resp: 332994

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

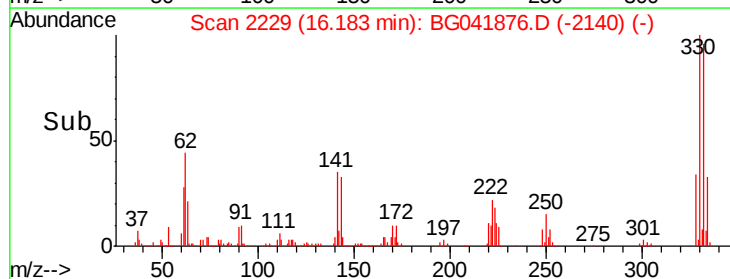
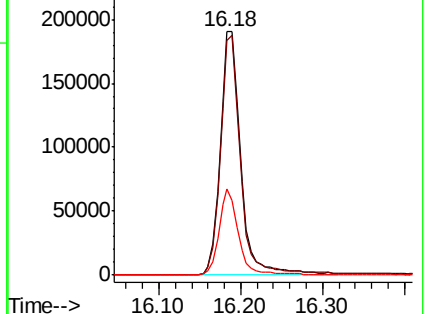
141 33.5 31.9 47.9

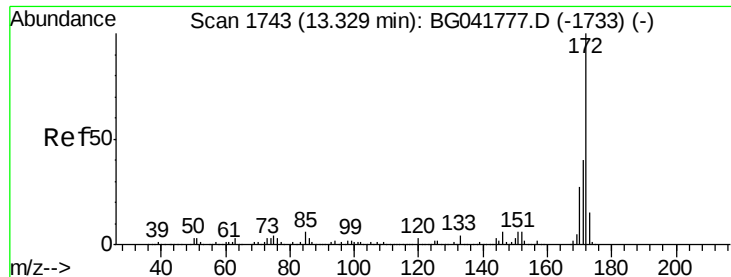


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

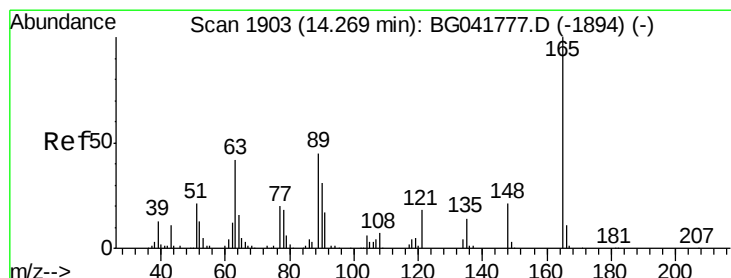
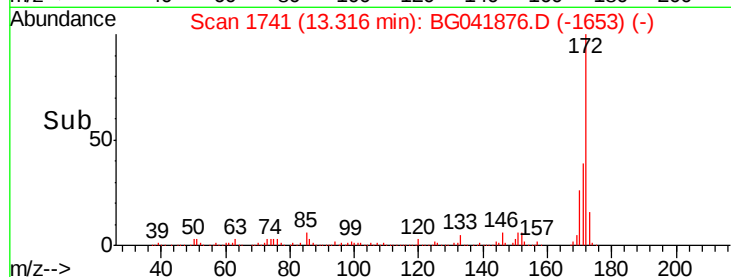
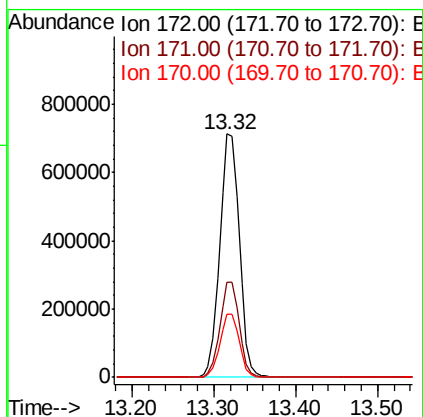
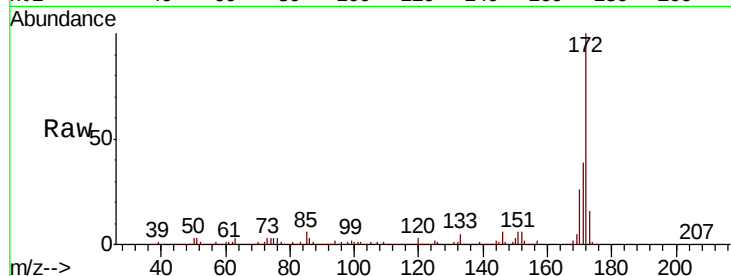




#45
 2-Fluorobiphenyl
 Concen: 103.697 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BG041876.D
 Acq: 1 Aug 2019 23:15

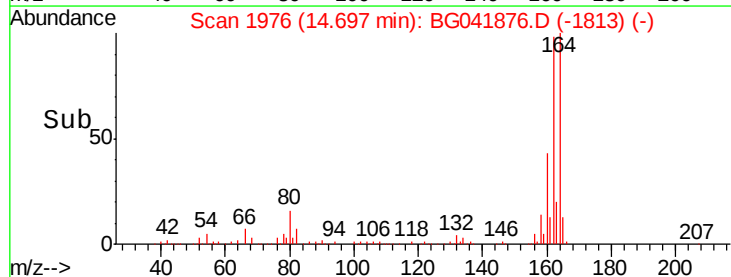
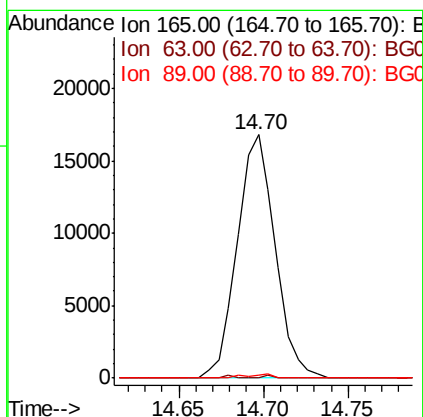
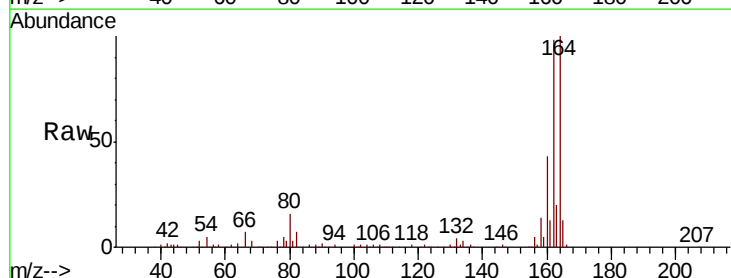
Instrument :
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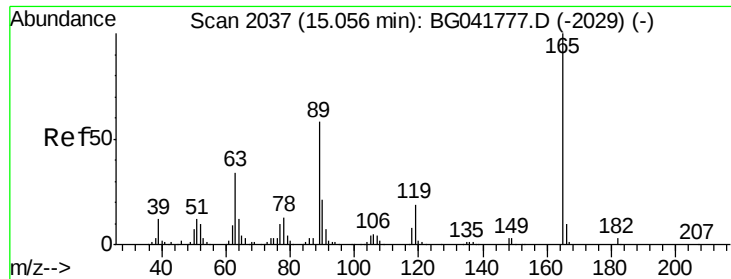
Tgt Ion:172 Resp: 1193436
 Ion Ratio Lower Upper
 172 100
 171 39.2 35.0 52.4
 170 25.9 23.5 35.3



#51
 2,6-Dinitrotoluene
 Concen: 9.049 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. 0.43 min
 Lab File: BG041876.D
 Acq: 1 Aug 2019 23:15

Tgt Ion:165 Resp: 26232
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.4 63.6#
 89 1.5 42.1 63.1#

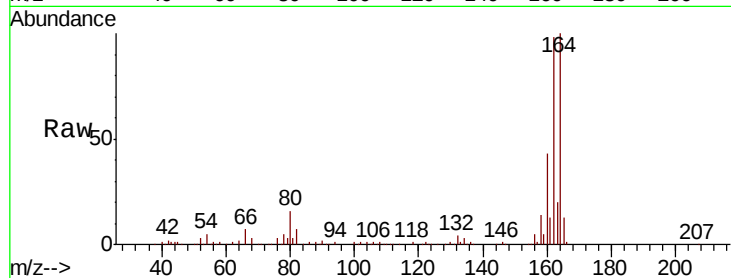




#57
 2,4-Dinitrotoluene
 Concen: 6.580 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.36 min
 Lab File: BG041876.D
 Acq: 1 Aug 2019 23:15

Instrument :
 BNA_F
 ClientSampled :
 TP-3

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



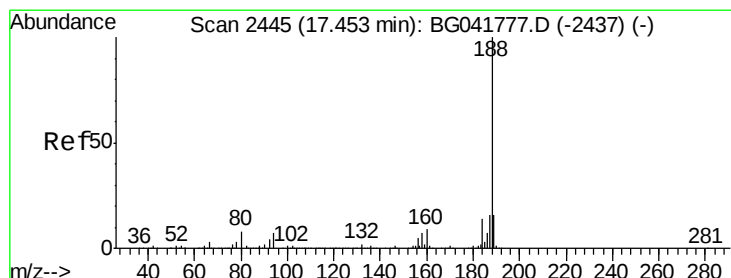
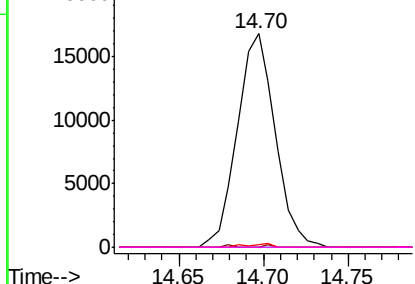
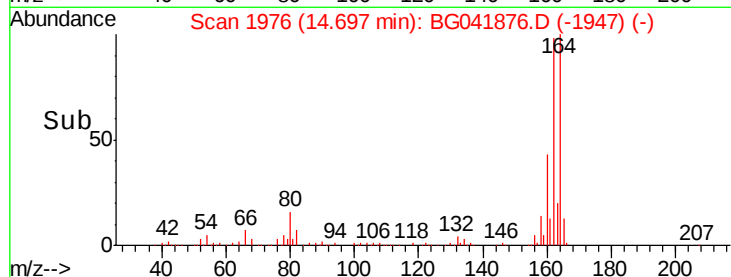
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

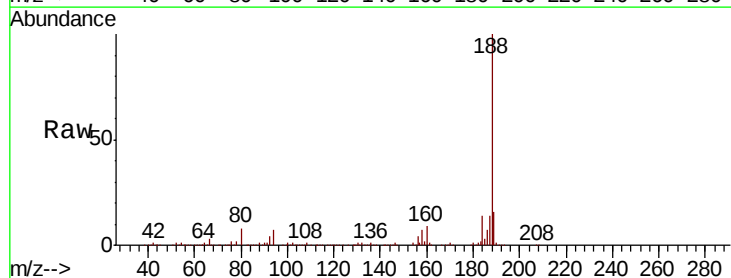
Ion 89.00 (88.70 to 89.70): BGC

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. -0.01 min
 Lab File: BG041876.D
 Acq: 1 Aug 2019 23:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.9	10.3#
80	7.8	8.0	12.0#

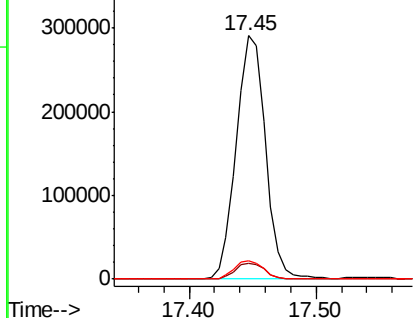
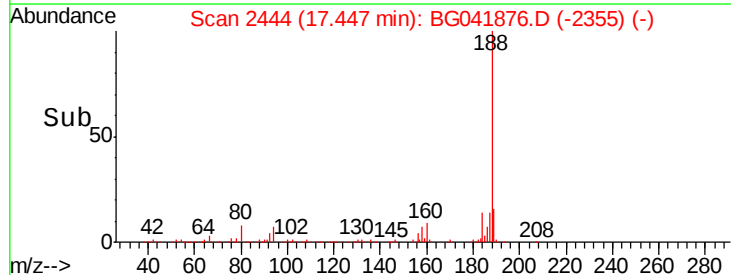


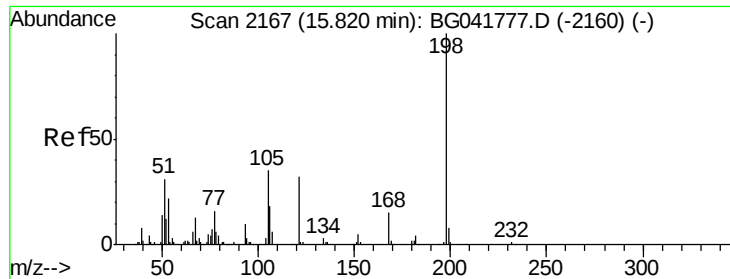
Abundance

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: 7.143 ng

RT: 16.18 min Scan# 2229

Delta R.T. 0.36 min

Lab File: BG041876.D

Acq: 1 Aug 2019 23:15

Instrument :

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ClientSampleId :

TP-3

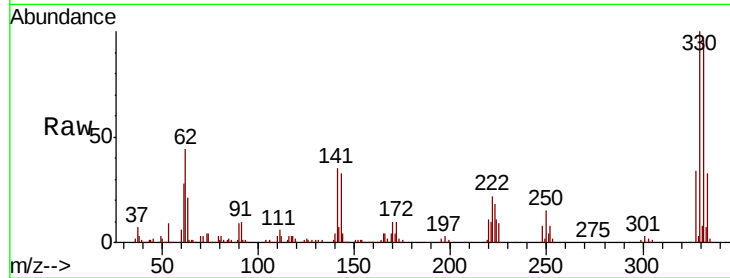
Tgt Ion:198 Resp: 773

Ion Ratio Lower Upper

198 100

51 92.6 22.3 62.3#

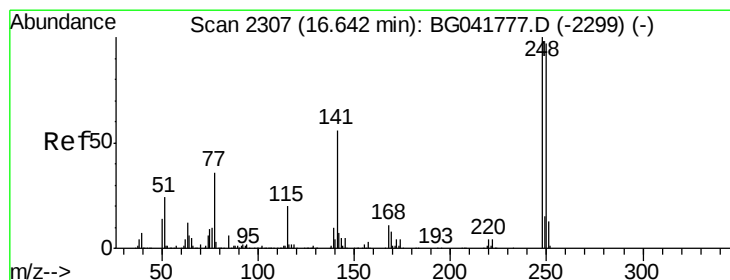
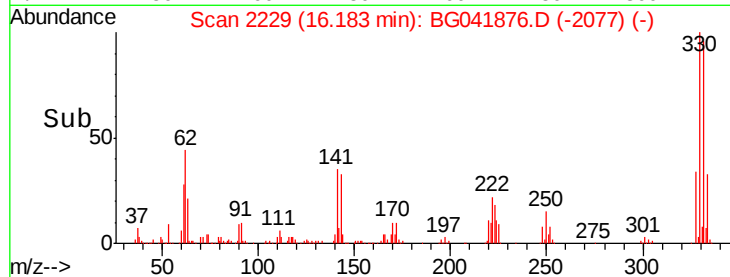
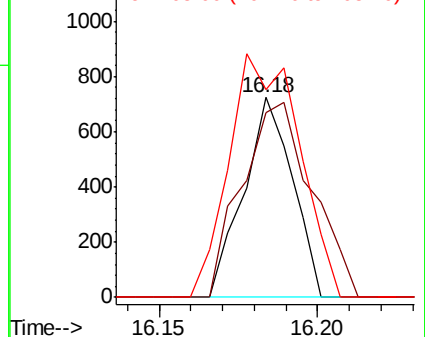
105 104.0 18.0 58.0#



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: 4.253 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.46 min

Lab File: BG041876.D

Acq: 1 Aug 2019 23:15

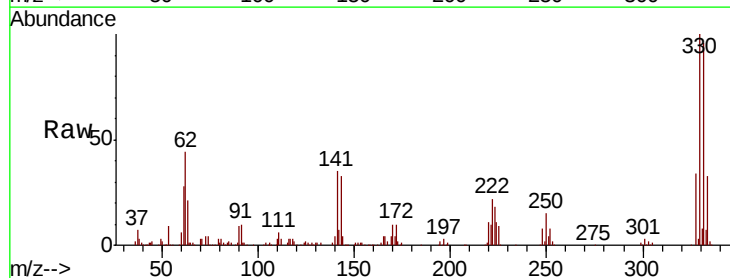
Tgt Ion:248 Resp: 24372

Ion Ratio Lower Upper

248 100

250 193.5 78.1 117.1#

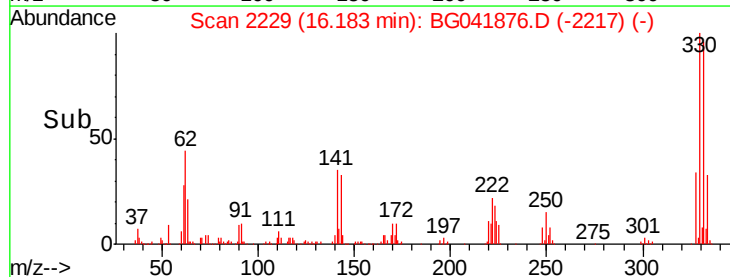
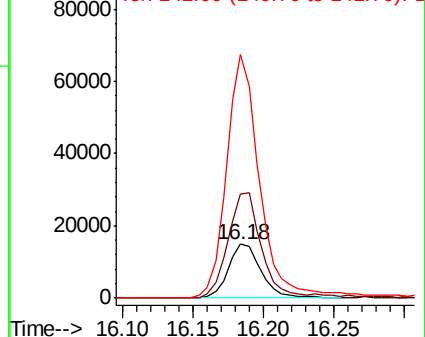
141 454.2 49.6 74.4#

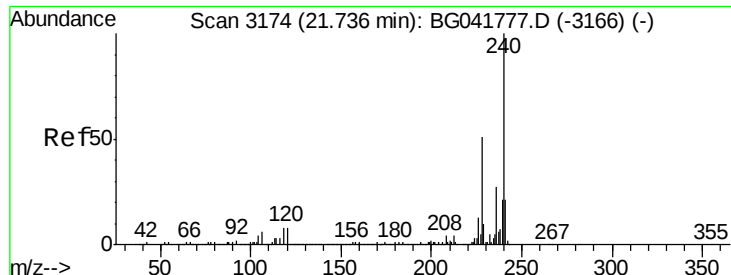


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.01 min

Lab File: BG041876.D

Acq: 1 Aug 2019 23:15

Instrument :

BNA_F

ClientSampleId :

TP-3

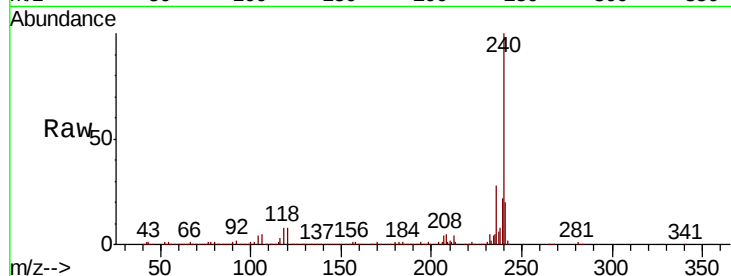
Tgt Ion:240 Resp: 633322

Ion Ratio Lower Upper

240 100

120 7.9 8.0 12.0#

236 27.7 22.6 33.8

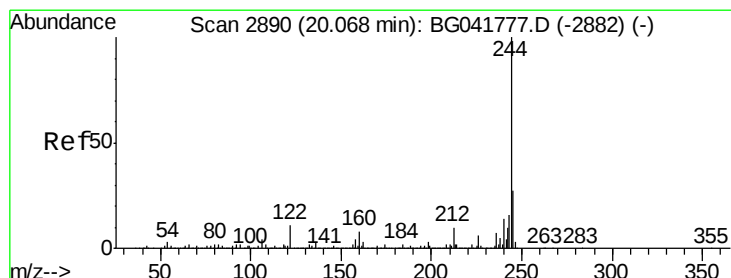
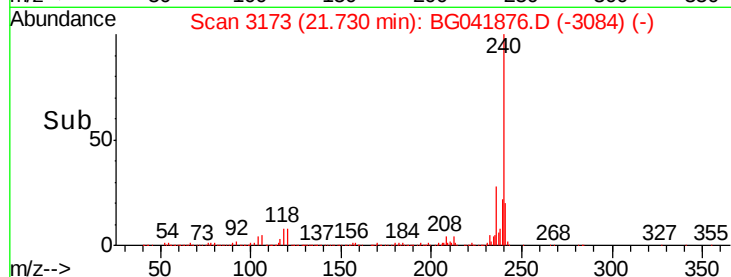
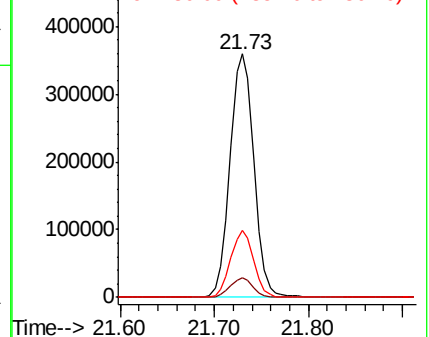


Abundance

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



#79

Terphenyl-d14

Concen: 80.536 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.01 min

Lab File: BG041876.D

Acq: 1 Aug 2019 23:15

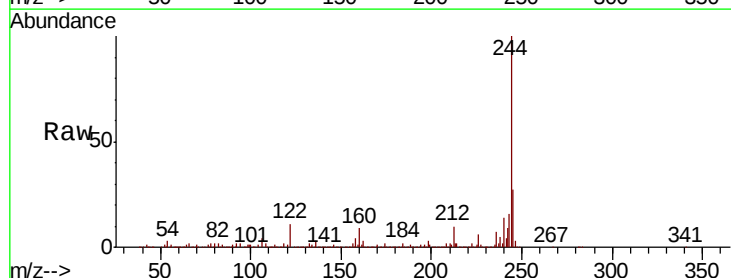
Tgt Ion:244 Resp: 2229008

Ion Ratio Lower Upper

244 100

212 9.5 9.7 14.5#

122 10.8 12.5 18.7#

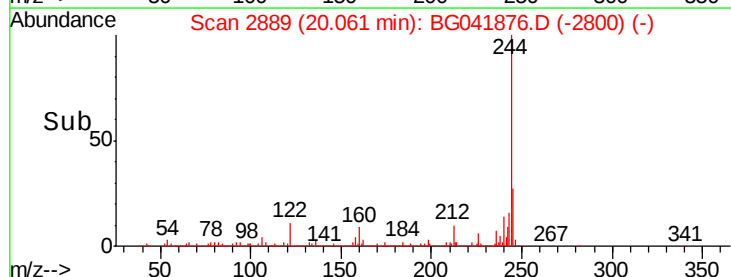
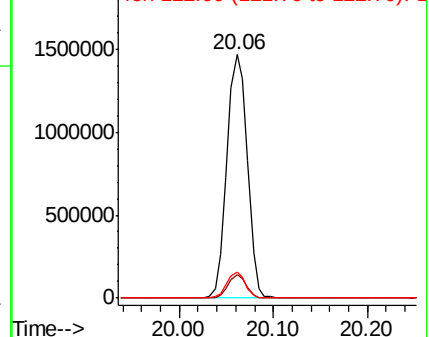


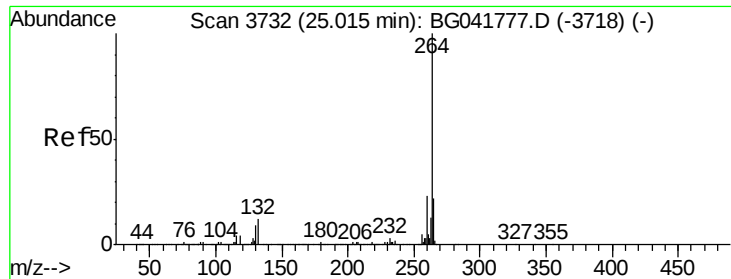
Abundance

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: BG041876.D
Acq: 1 Aug 2019 23:15

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.2	18.0	27.0

