

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080119\
 Data File : BG041874.D
 Acq On : 1 Aug 2019 21:58
 Operator : HP/JU
 Sample : K4044-10RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Aug 02 01:34:37 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

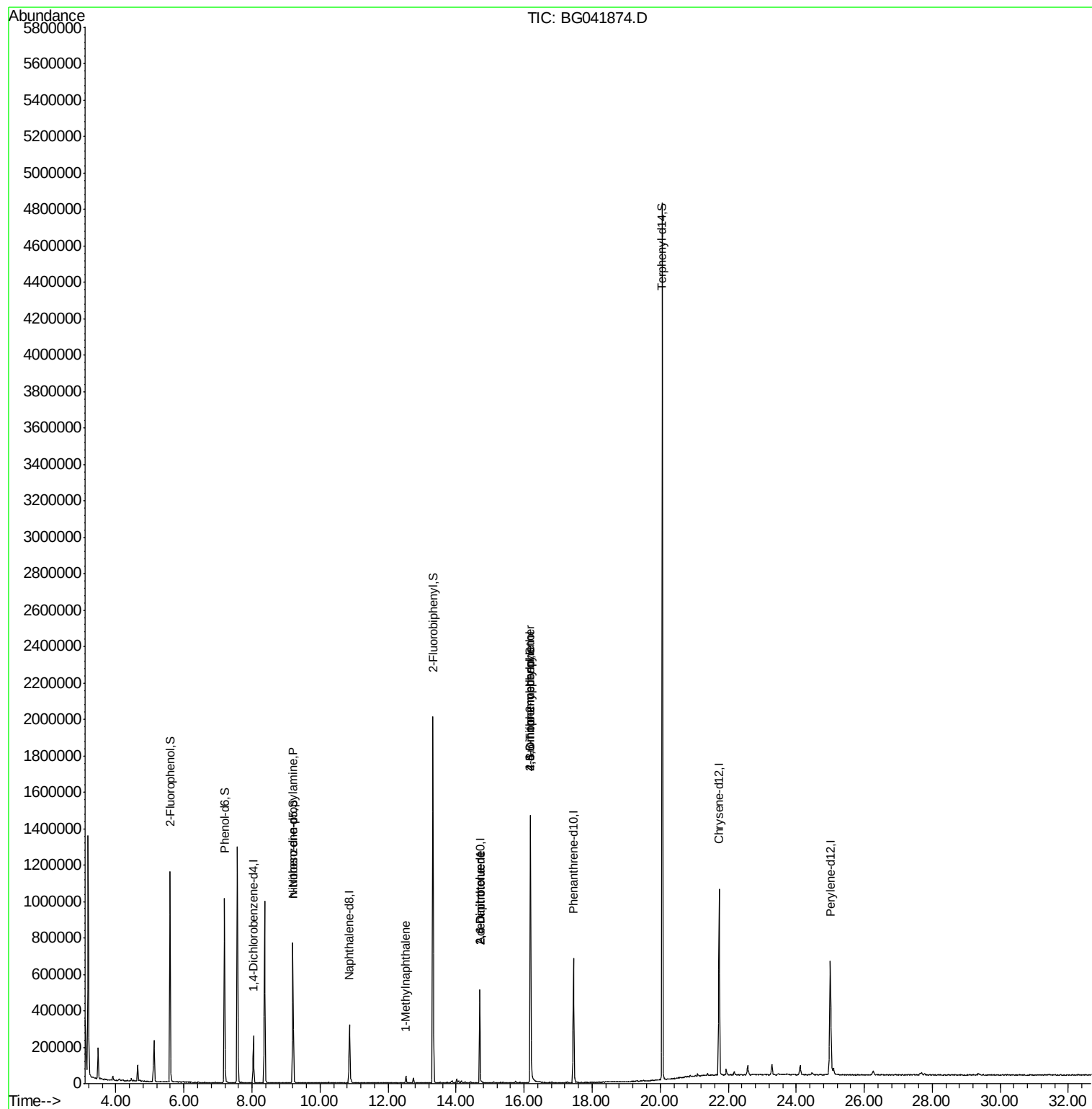
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	78930	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	296400	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	196091	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	459357	20.00	ng	0.00
76) Chrysene-d12	21.73	240	622072	20.00	ng	0.00
87) Perylene-d12	25.00	264	741892	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	514694	126.87	ng	0.00
7) Phenol-d6	7.19	99	622985	113.91	ng	0.00
23) Nitrobenzene-d5	9.20	82	469780	109.07	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	330952	148.59	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1130090	101.64	ng	0.00
79) Terphenyl-d14	20.06	244	2226183	81.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	63697	16.042	ng	Qvalue 68
38) 1-Methylnaphthalene	12.53	142	20542	2.019	ng	91
51) 2,6-Dinitrotoluene	14.70	165	26390	9.424	ng	# 28
57) 2,4-Dinitrotoluene	14.70	165	26390	6.853	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.19	198	753	7.139	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	25263	4.465	ng	# 1

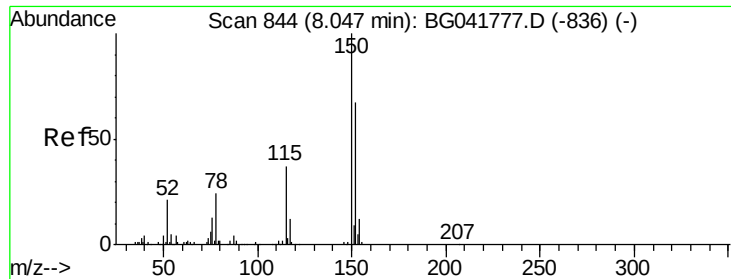
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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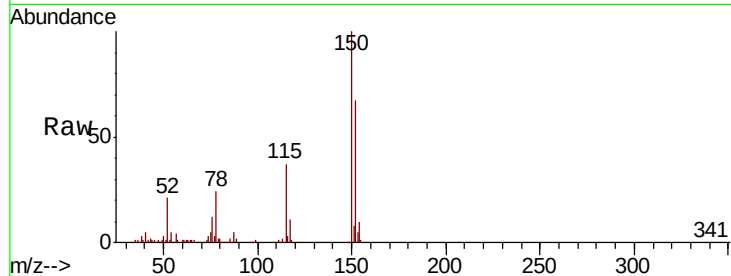


#1

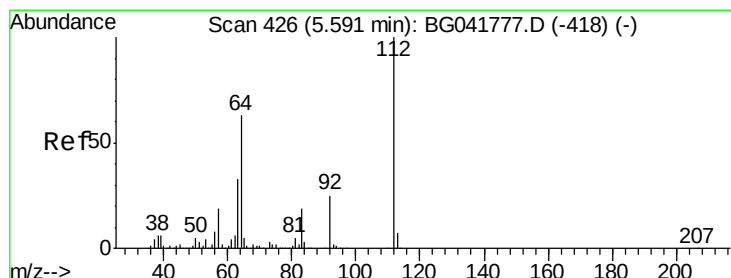
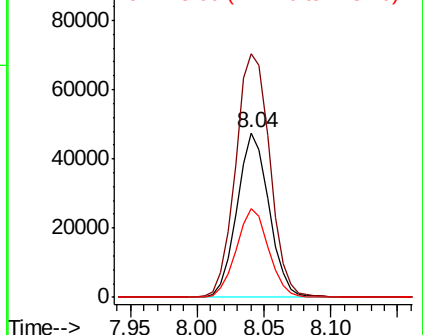
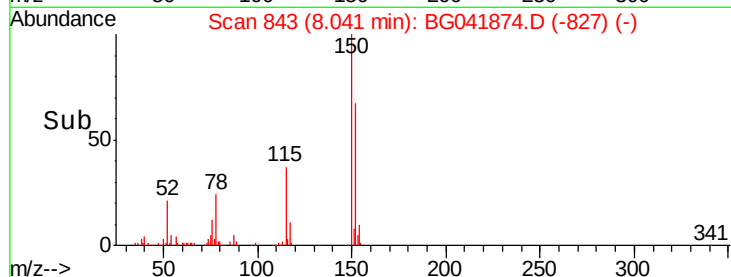
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041874.D
Acq: 1 Aug 2019 21:58

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 78930
Ion Ratio Lower Upper
152 100
150 148.2 126.9 190.3
115 54.1 45.0 67.6



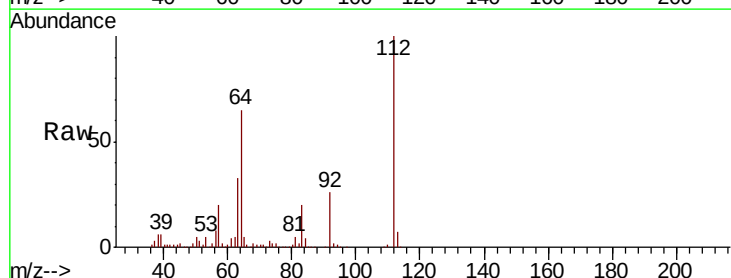
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



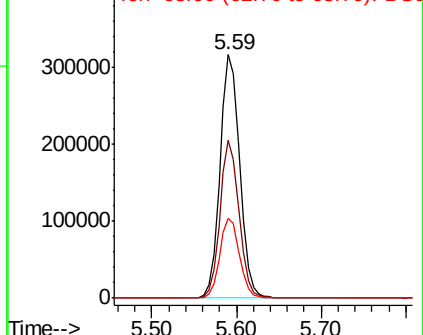
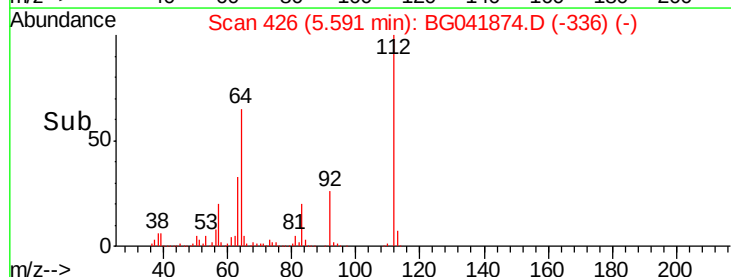
#5

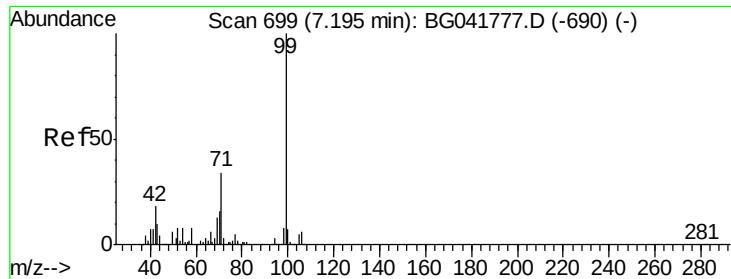
2-Fluorophenol
Concen: 126.872 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG041874.D
Acq: 1 Aug 2019 21:58

Tgt Ion:112 Resp: 514694
Ion Ratio Lower Upper
112 100
64 65.0 55.4 83.2
63 32.9 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: 113.907 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG041874.D

Acq: 1 Aug 2019 21:58

Instrument :

BNA_F

ClientSampleId :

TP-1

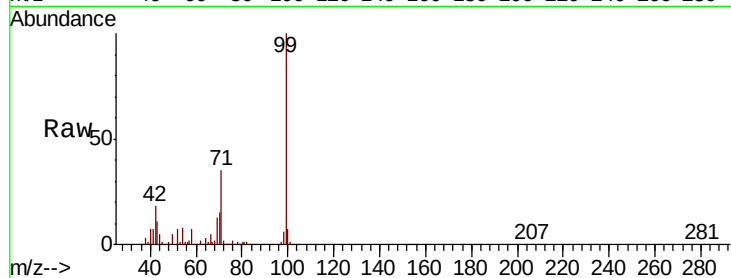
Tgt Ion: 99 Resp: 622985

Ion Ratio Lower Upper

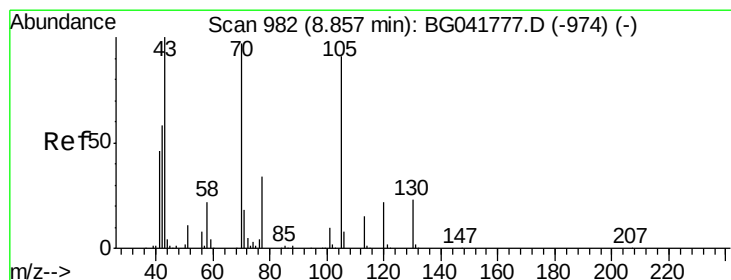
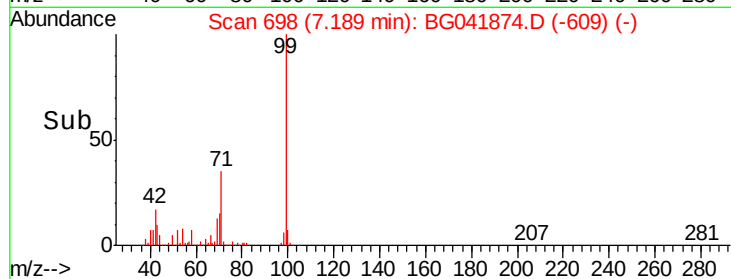
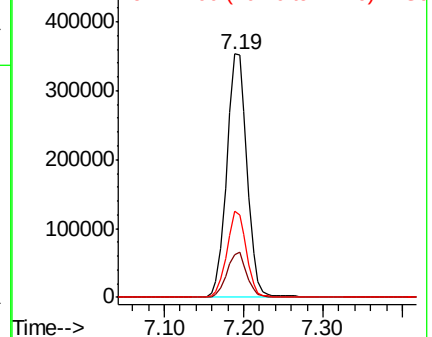
99 100

42 17.5 17.6 26.4#

71 35.2 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: 16.042 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041874.D

Acq: 1 Aug 2019 21:58

Tgt Ion: 70 Resp: 63697

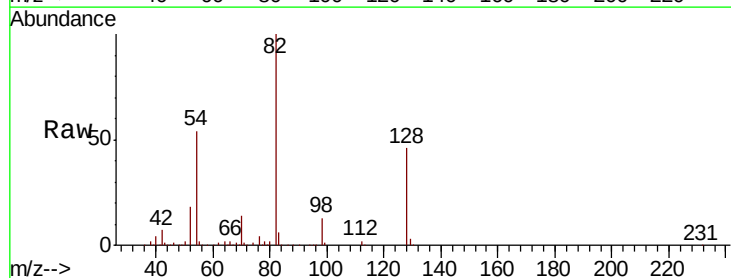
Ion Ratio Lower Upper

70 100

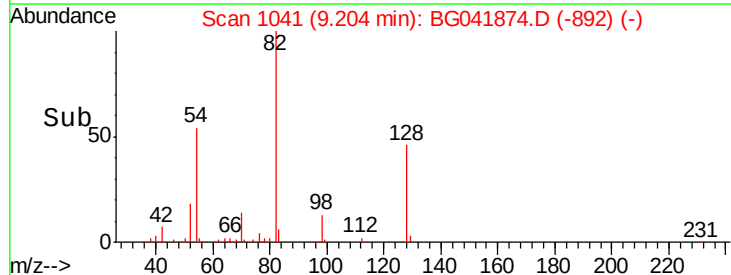
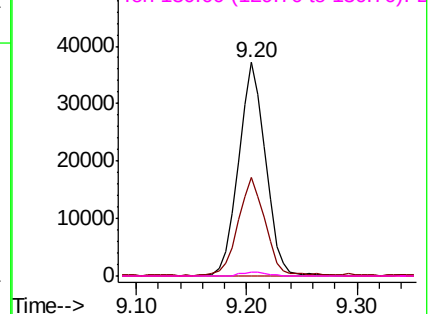
42 45.9 55.8 83.6#

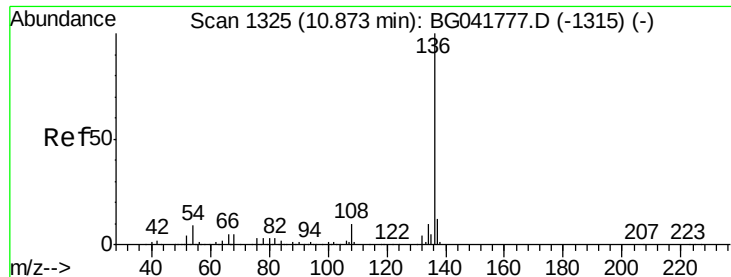
101 0.0 8.1 12.1#

130 1.7 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

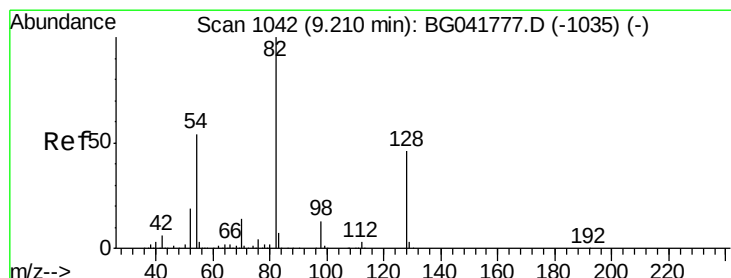
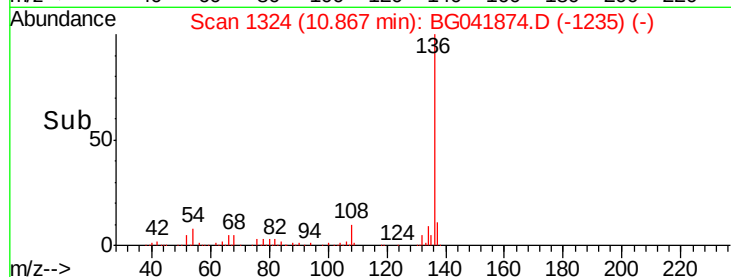
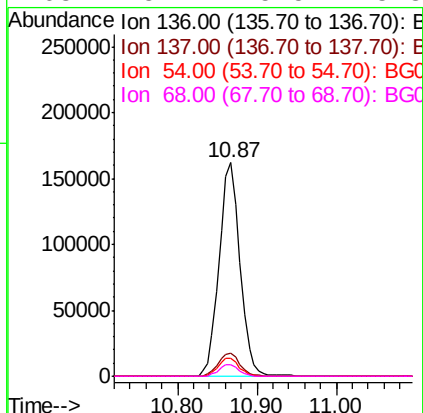
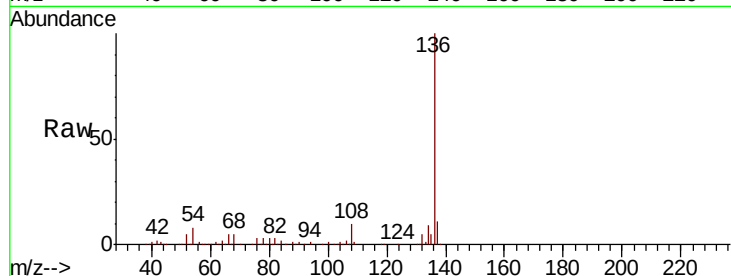




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041874.D
Acq: 1 Aug 2019 21:58

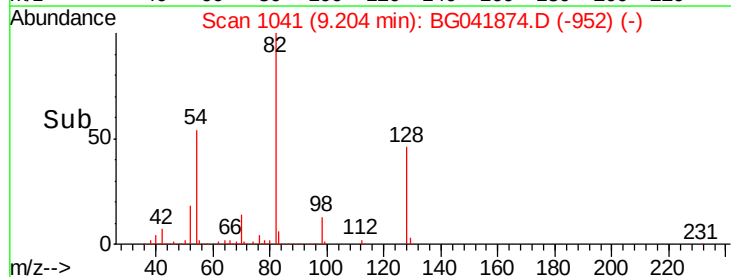
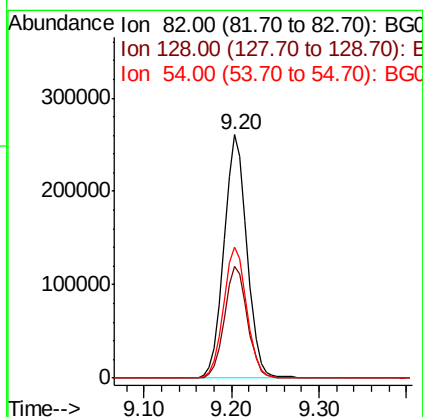
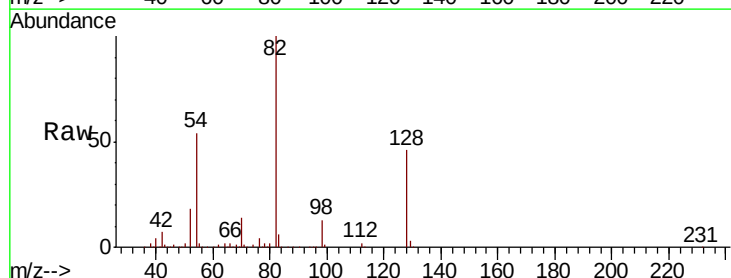
Instrument :
BNA_F
ClientSampled :
TP-1

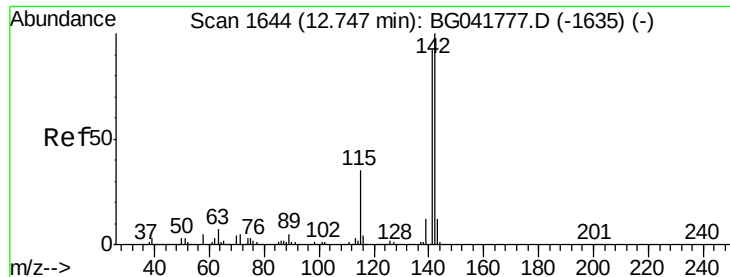
Tgt Ion:	136	Resp:	296400
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.1	8.7	13.1#
68	5.1	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 109.070 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041874.D
Acq: 1 Aug 2019 21:58

Tgt Ion:	82	Resp:	469780
Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.1	52.7
54	54.0	48.7	73.1

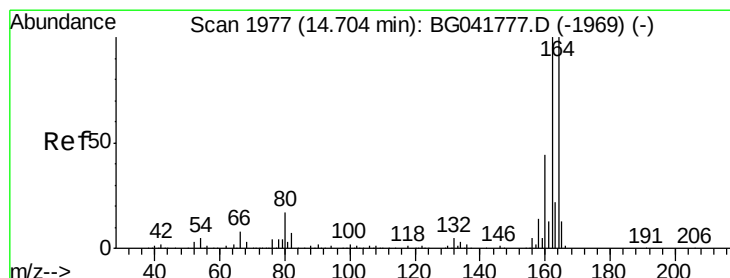
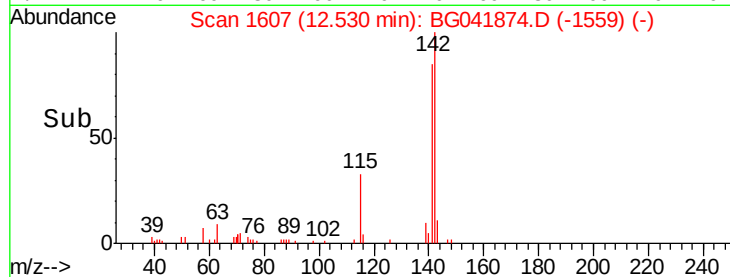
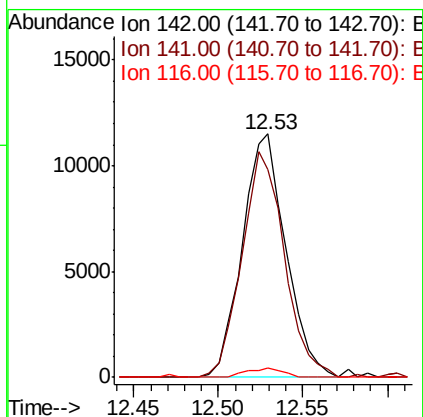
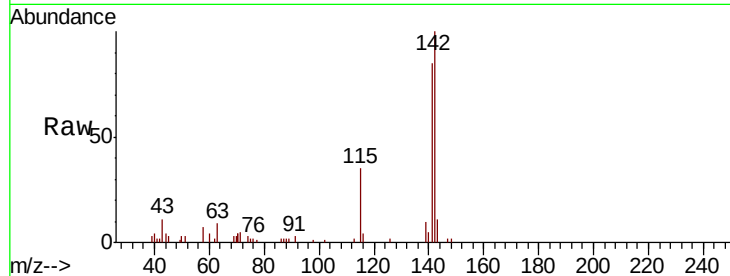




#38
1-Methylnaphthalene
Concen: 2.019 ng
RT: 12.53 min Scan# 1607
Delta R.T. -0.22 min
Lab File: BG041874.D
Acq: 1 Aug 2019 21:58

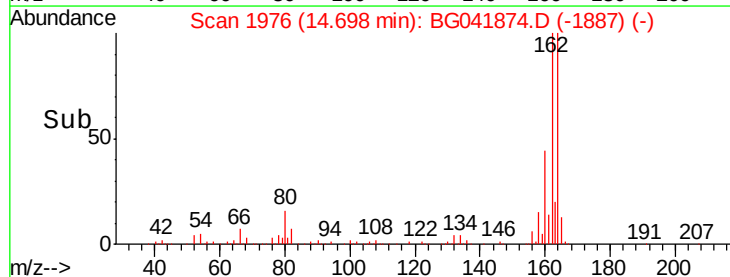
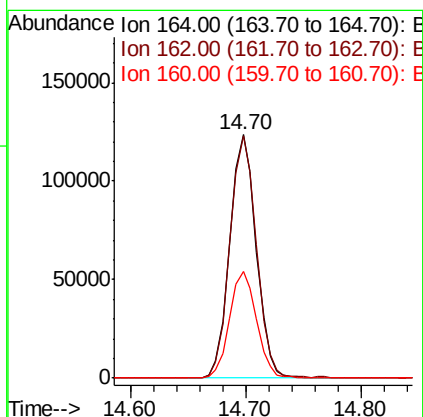
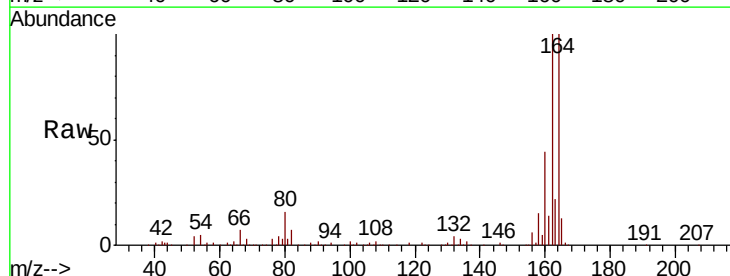
Instrument :
BNA_F
ClientSampleId :
TP-1

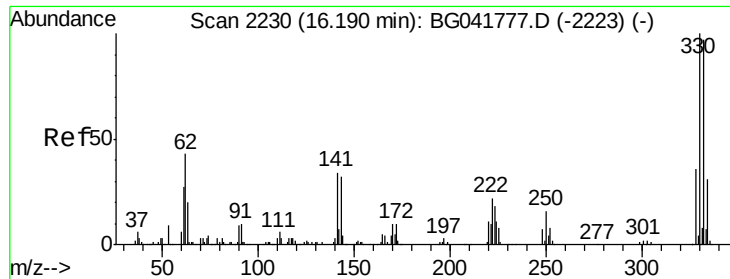
Tgt Ion:142 Resp: 20542
Ion Ratio Lower Upper
142 100
141 85.5 75.4 113.2
116 3.9 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG041874.D
Acq: 1 Aug 2019 21:58

Tgt Ion:164 Resp: 196091
Ion Ratio Lower Upper
164 100
162 99.7 79.6 119.4
160 43.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 148.587 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG041874.D

Acq: 1 Aug 2019 21:58

Instrument :

BNA_F

ClientSampled :

TP-1

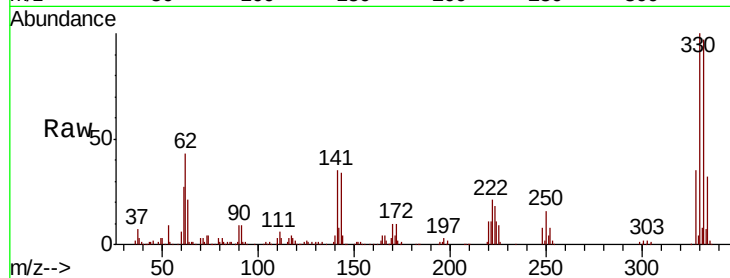
Tgt Ion:330 Resp: 330952

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.0

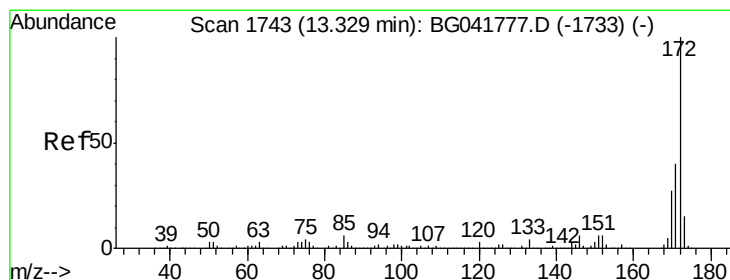
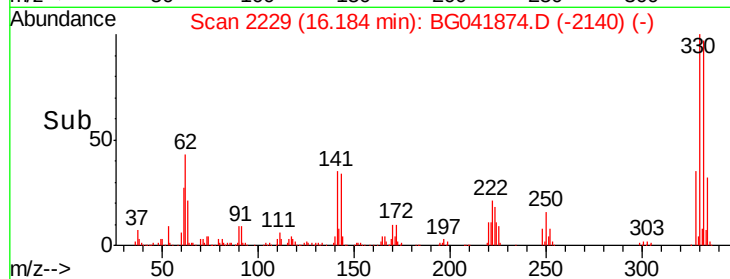
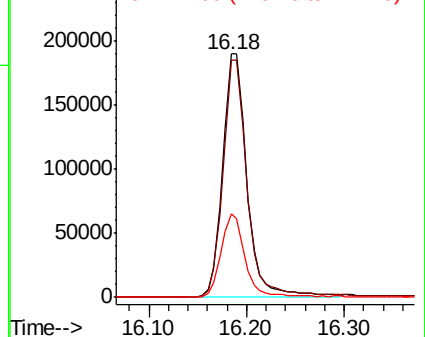
141 33.7 31.9 47.9



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: 101.645 ng

RT: 13.32 min Scan# 1742

Delta R.T. -0.01 min

Lab File: BG041874.D

Acq: 1 Aug 2019 21:58

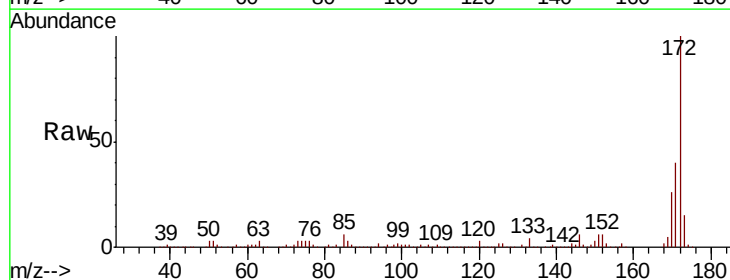
Tgt Ion:172 Resp: 1130090

Ion Ratio Lower Upper

172 100

171 40.0 35.0 52.4

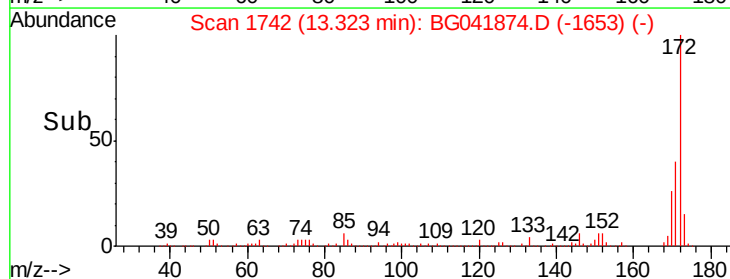
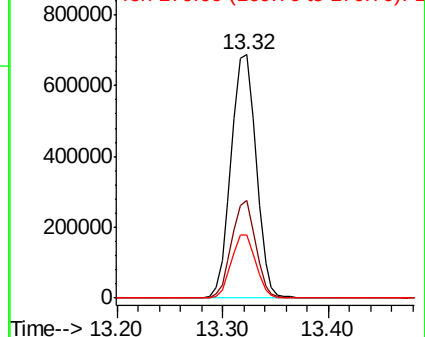
170 25.7 23.5 35.3

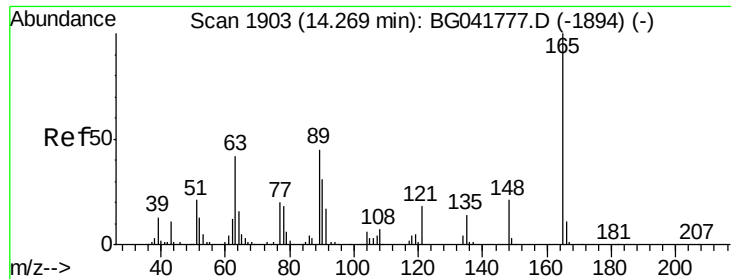


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 9.424 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.43 min

Lab File: BG041874.D

Acq: 1 Aug 2019 21:58

Instrument :

BNA_F

ClientSampleId :

TP-1

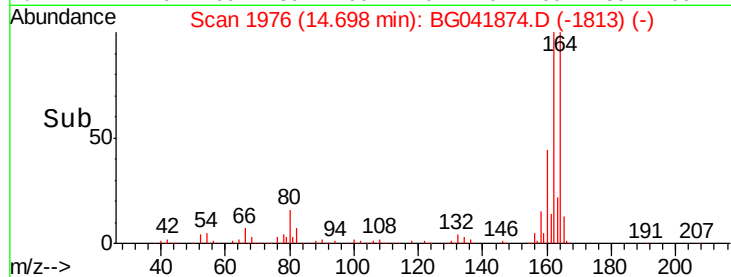
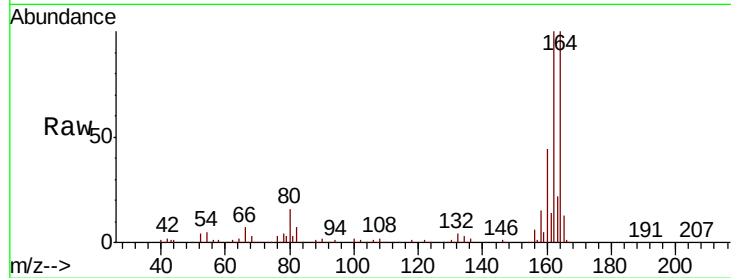
Tgt Ion:165 Resp: 26390

Ion Ratio Lower Upper

165 100

63 1.7 42.4 63.6#

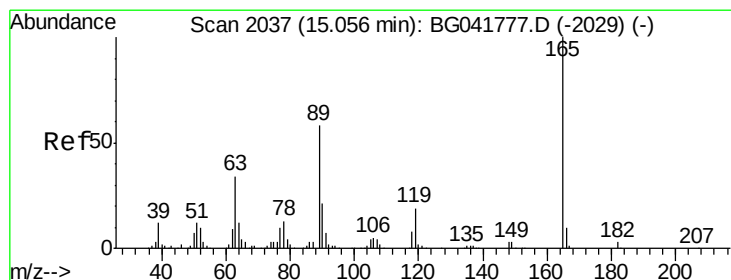
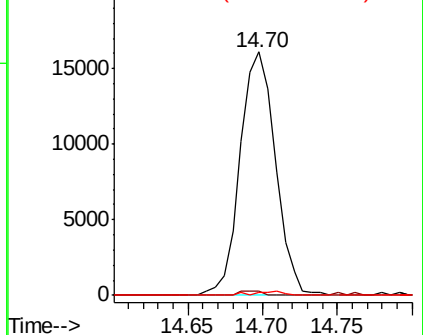
89 1.4 42.1 63.1#



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



#57

2,4-Dinitrotoluene

Concen: 6.853 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.36 min

Lab File: BG041874.D

Acq: 1 Aug 2019 21:58

Tgt Ion:165 Resp: 26390

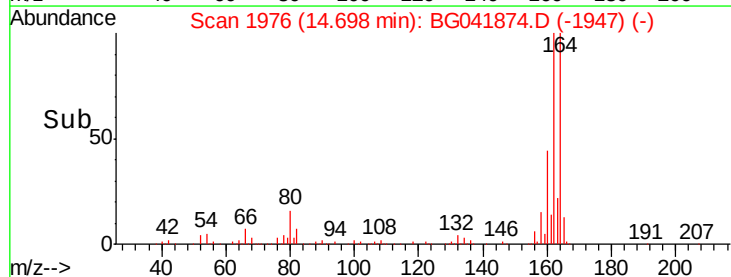
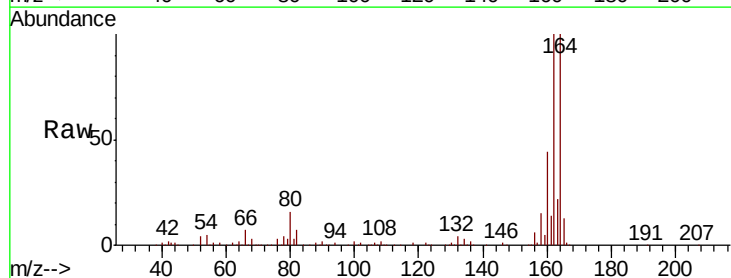
Ion Ratio Lower Upper

165 100

63 1.7 31.7 47.5#

89 1.4 50.2 75.4#

182 0.0 2.6 4.0#

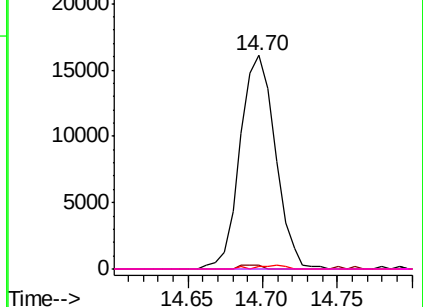


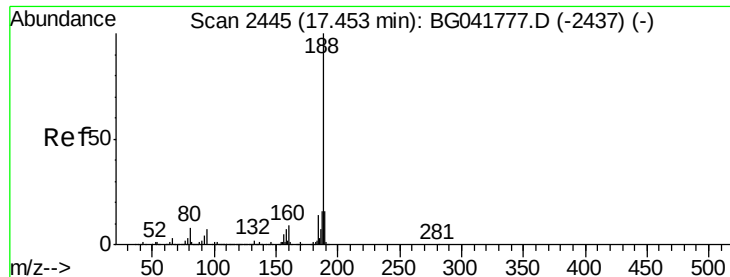
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041874.D

Acq: 1 Aug 2019 21:58

Instrument :

BNA_F

ClientSampleId :

TP-1

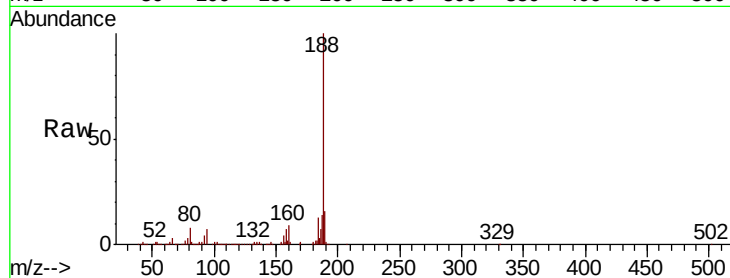
Tgt Ion:188 Resp: 459357

Ion Ratio Lower Upper

188 100

94 7.0 6.9 10.3

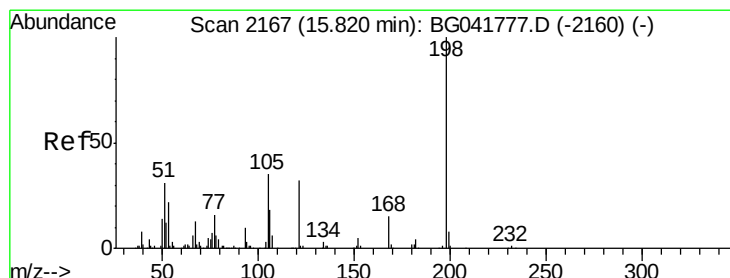
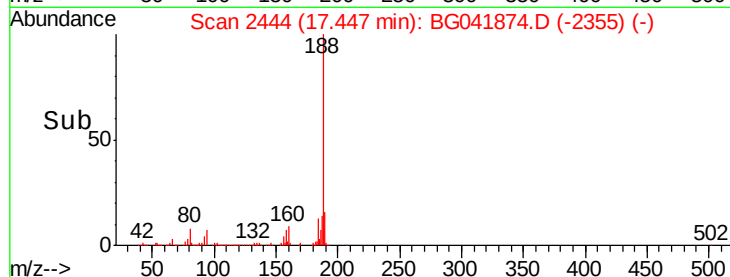
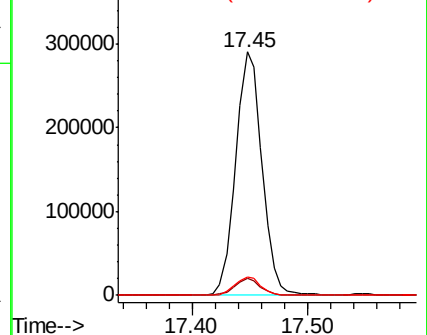
80 7.6 8.0 12.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.139 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.37 min

Lab File: BG041874.D

Acq: 1 Aug 2019 21:58

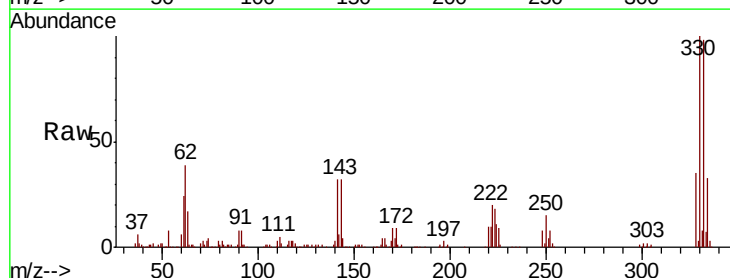
Tgt Ion:198 Resp: 753

Ion Ratio Lower Upper

198 100

51 89.8 22.3 62.3#

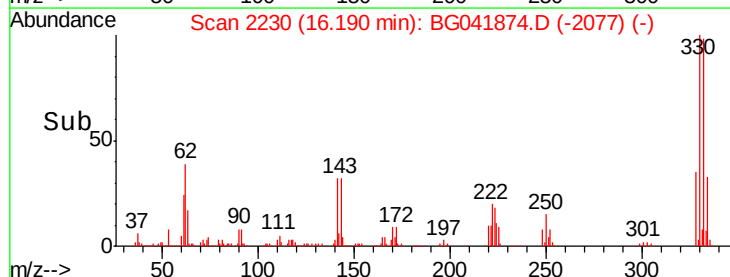
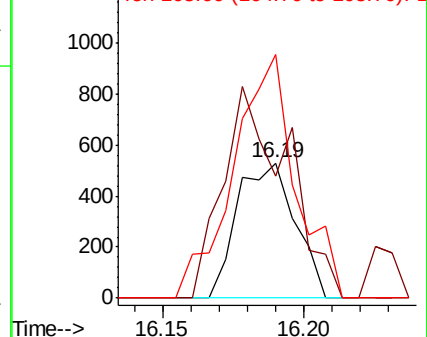
105 180.0 18.0 58.0#

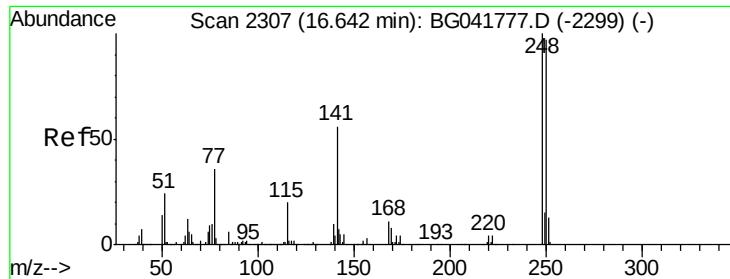


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

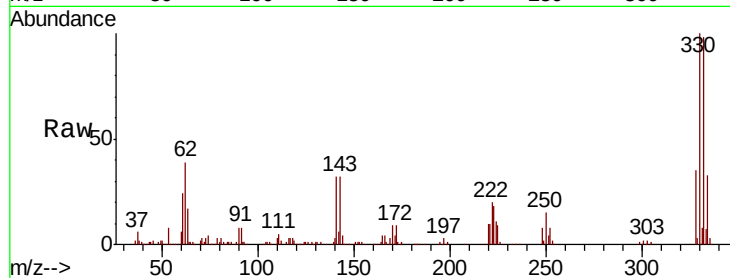




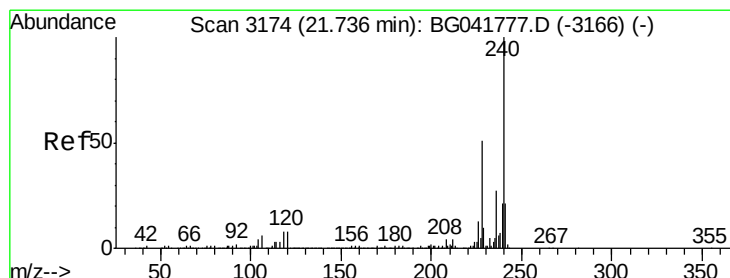
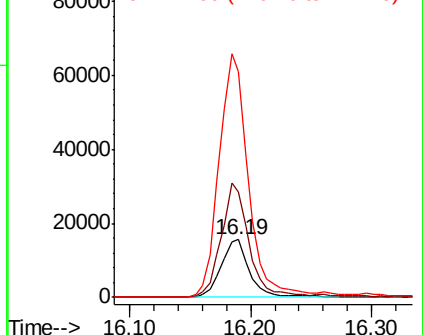
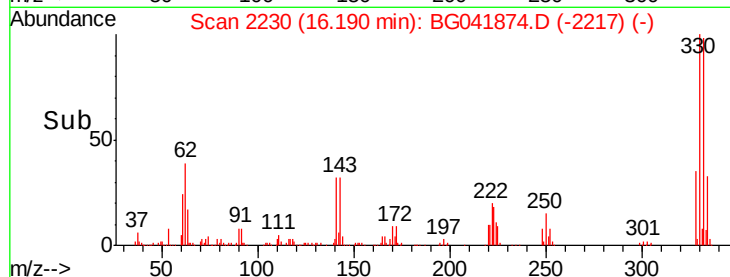
#67
4-Bromophenyl-phenylether
Concen: 4.465 ng
RT: 16.19 min Scan# 2230
Delta R.T. -0.45 min
Lab File: BG041874.D
Acq: 1 Aug 2019 21:58

Instrument :
BNA_F
ClientSampled :
TP-1

Tgt Ion:248 Resp: 25263
Ion Ratio Lower Upper
248 100
250 183.0 78.1 117.1#
141 389.3 49.6 74.4#

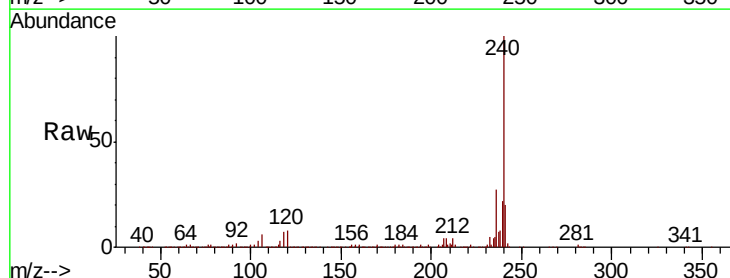


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

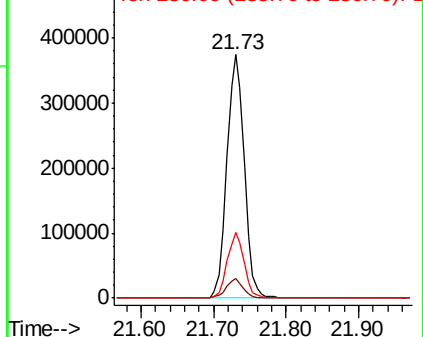
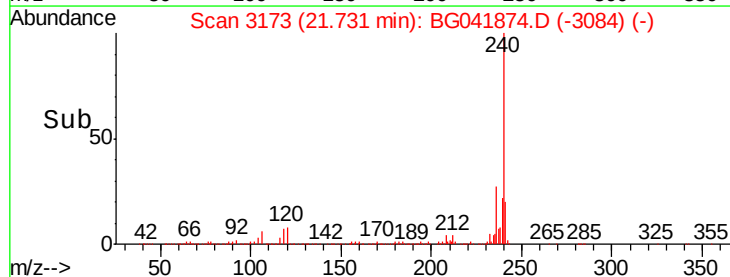


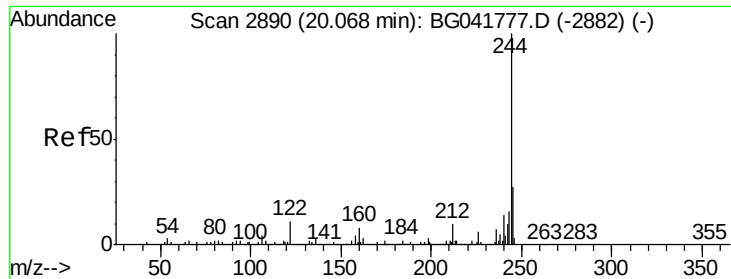
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG041874.D
Acq: 1 Aug 2019 21:58

Tgt Ion:240 Resp: 622072
Ion Ratio Lower Upper
240 100
120 8.0 8.0 12.0
236 27.1 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: 81.889 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.01 min

Lab File: BG041874.D

Acq: 1 Aug 2019 21:58

Instrument :

BNA_F

ClientSampleId :

TP-1

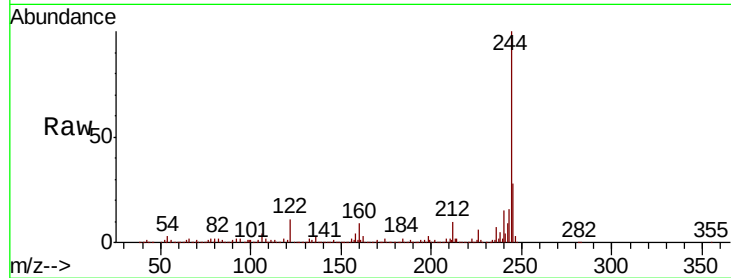
Tgt Ion:244 Resp: 2226183

Ion Ratio Lower Upper

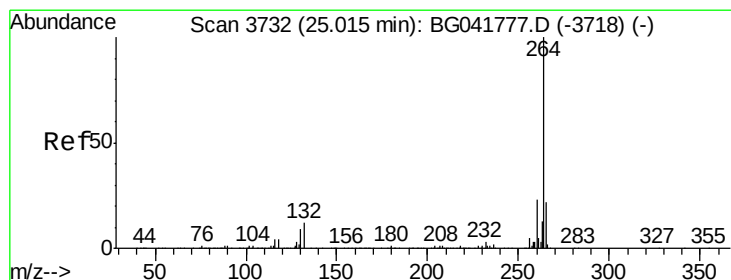
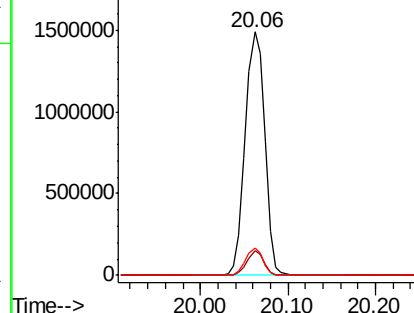
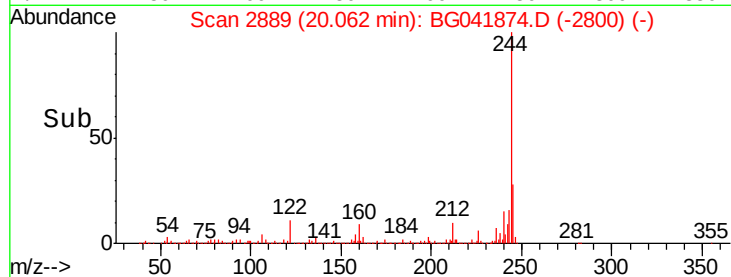
244 100

212 10.0 9.7 14.5

122 11.0 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: 25.00 min Scan# 3730

Delta R.T. -0.01 min

Lab File: BG041874.D

Acq: 1 Aug 2019 21:58

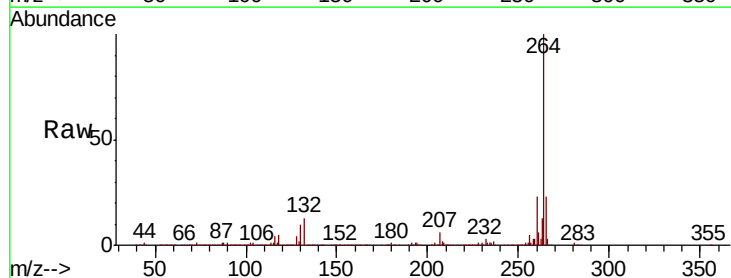
Tgt Ion:264 Resp: 741892

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 22.7 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

