

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
 Data File : BG040807.D
 Acq On : 9 May 2019 5:11
 Operator : HP/JU
 Sample : PB119548TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119548TB

Quant Time: May 09 07:26:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

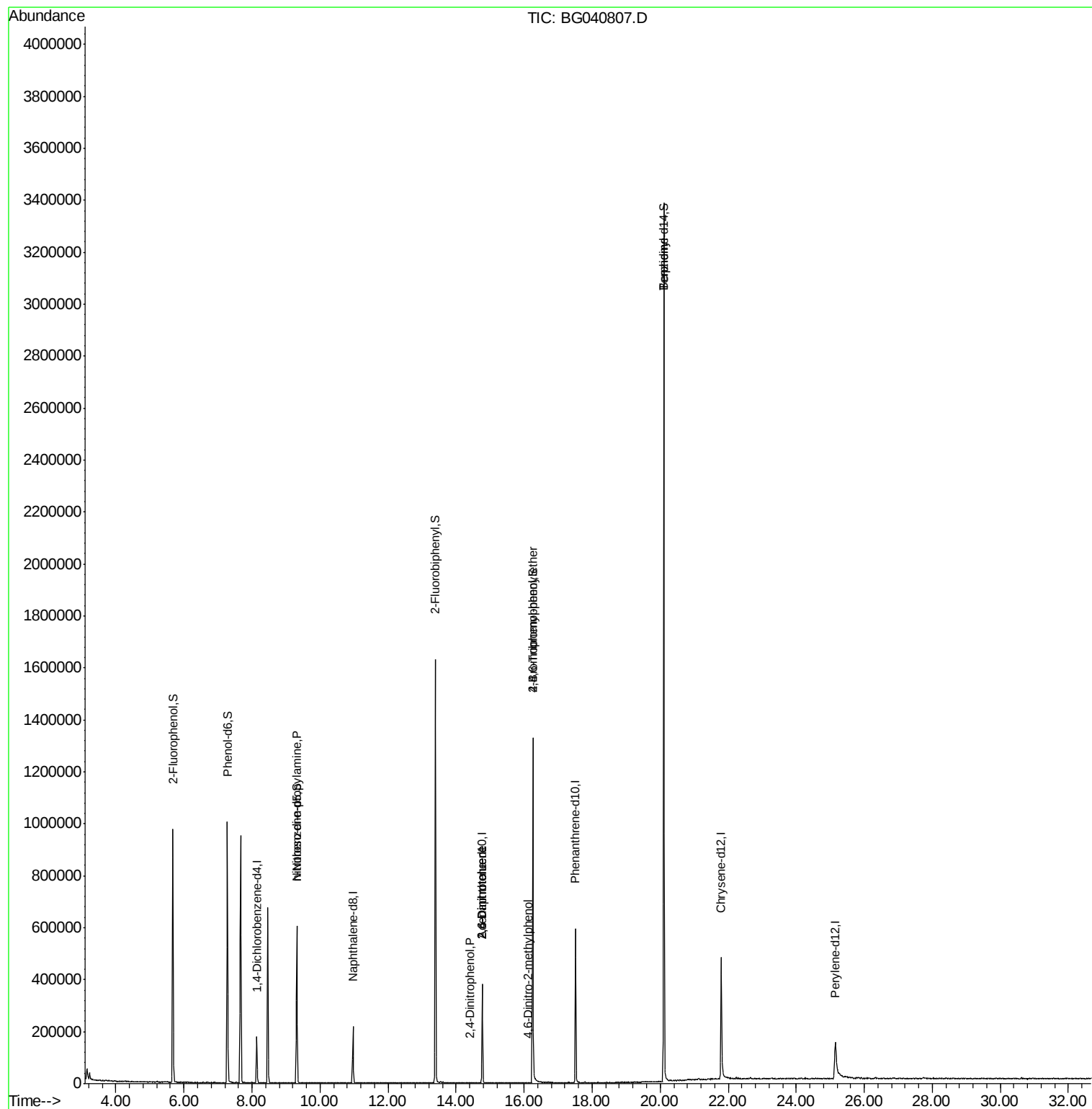
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	44705	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	173400	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	127340	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	359448	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	347997	20.00	ng	-0.03
87) Perylene-d12	25.14	264	254990	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	353337	139.32	ng	-0.01
7) Phenol-d6	7.28	99	518762	132.85	ng	-0.02
23) Nitrobenzene-d5	9.32	82	355104	94.63	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	248654	142.06	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	802181	90.98	ng	-0.02
79) Terphenyl-d14	20.11	244	1637069	104.22	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1296	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	51764	14.726 ng	#	70
51) 2,6-Dinitrotoluene	14.77	165	15752	7.575 ng	#	15
54) 2,4-Dinitrophenol	14.42	184	67	7.067 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	15752	5.575 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.11	198	63	7.132 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	18184	4.061 ng	#	1
77) Benzydine	20.11	184	29833	3.131 ng	#	92

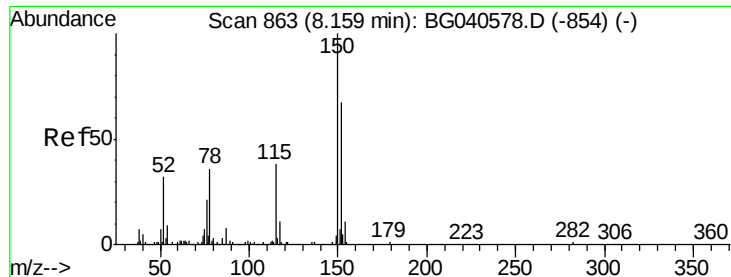
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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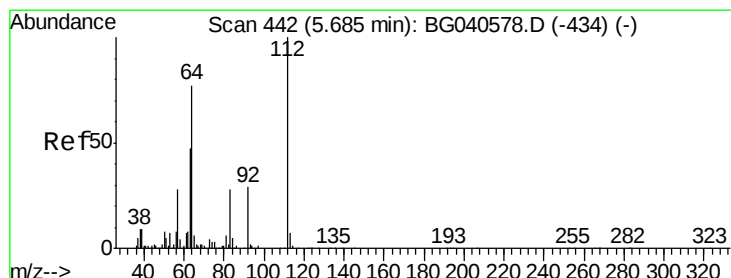
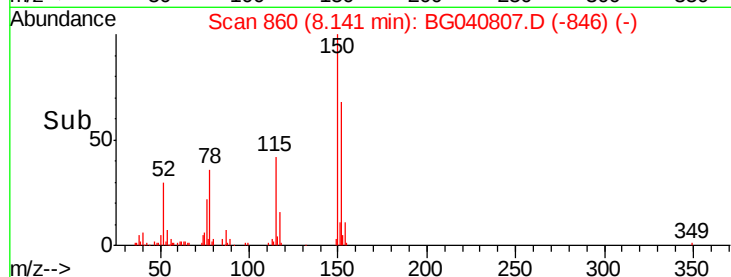
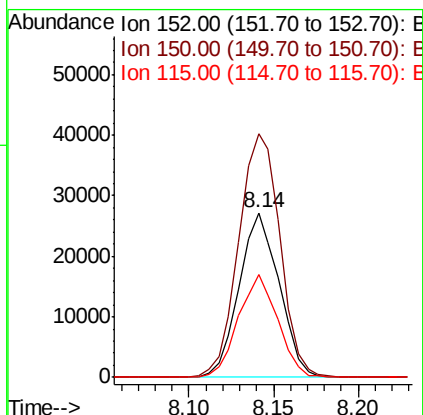
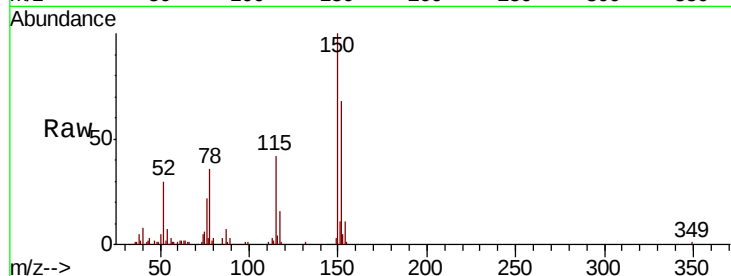


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040807.D
Acq: 9 May 2019 5:11

Instrument :
BNA_G
ClientSampleId :
PB119548TB

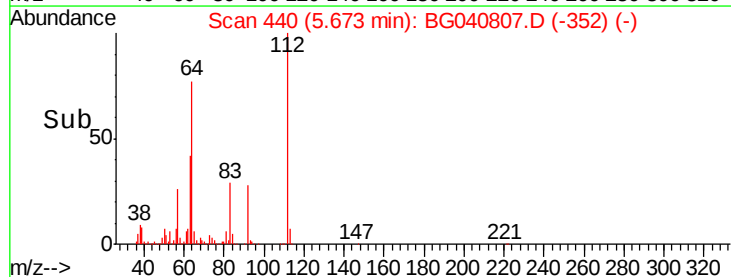
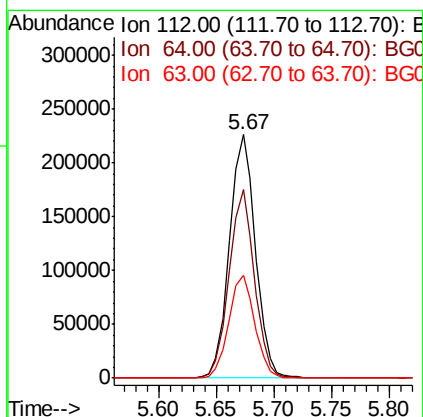
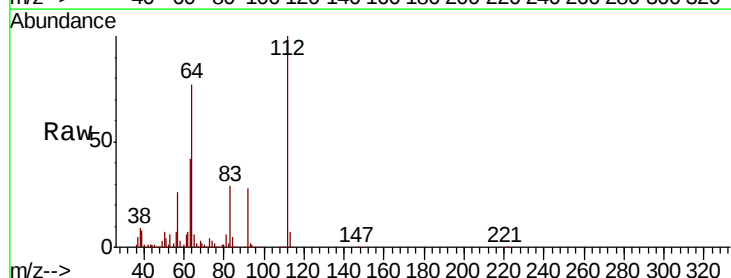
Tgt Ion:152 Resp: 44705
Ion Ratio Lower Upper
152 100
150 147.7 120.2 180.2
115 62.2 46.2 69.2

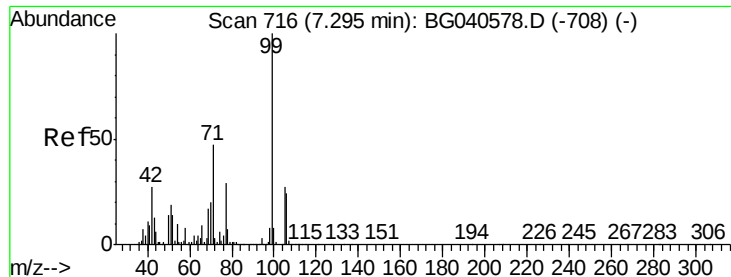


#5

2-Fluorophenol
Concen: 139.324 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040807.D
Acq: 9 May 2019 5:11

Tgt Ion:112 Resp: 353337
Ion Ratio Lower Upper
112 100
64 77.3 61.4 92.0
63 42.4 37.8 56.6





#7

Phenol-d6

Concen: 132.851 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040807.D

Acq: 9 May 2019 5:11

Instrument :

BNA_G

ClientSampleId :

PB119548TB

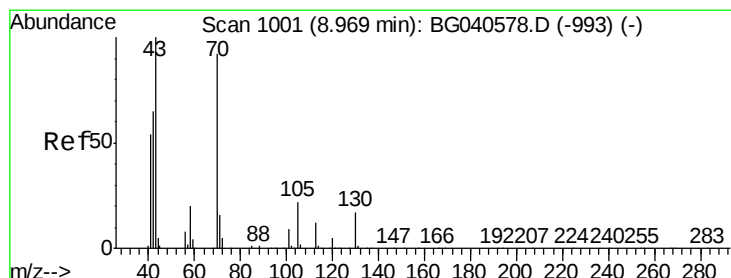
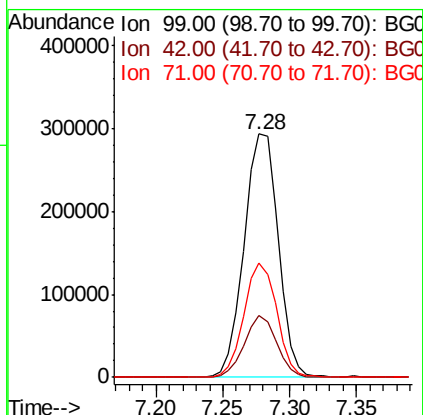
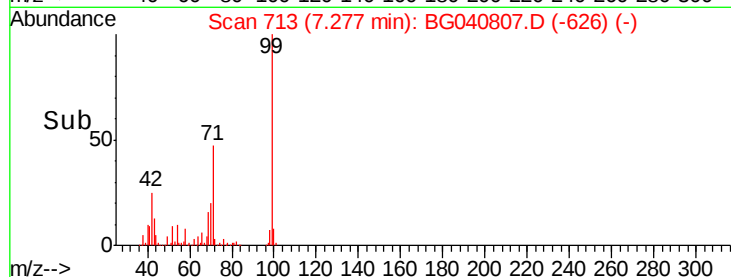
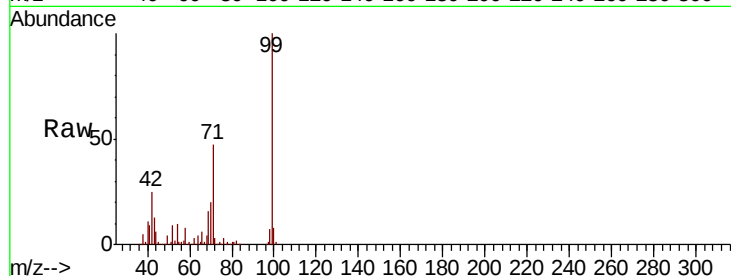
Tgt Ion: 99 Resp: 518762

Ion Ratio Lower Upper

99 100

42 25.2 21.8 32.8

71 47.0 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 14.726 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040807.D

Acq: 9 May 2019 5:11

Tgt Ion: 70 Resp: 51764

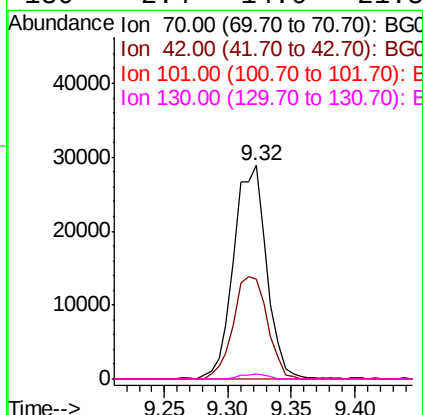
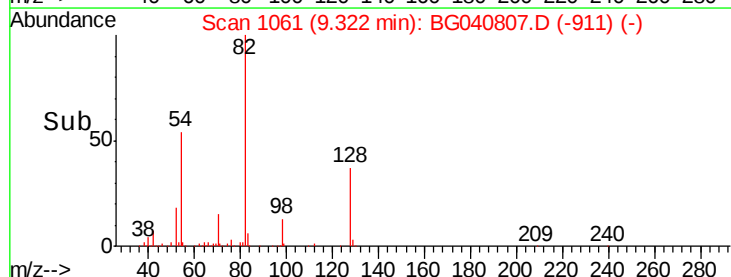
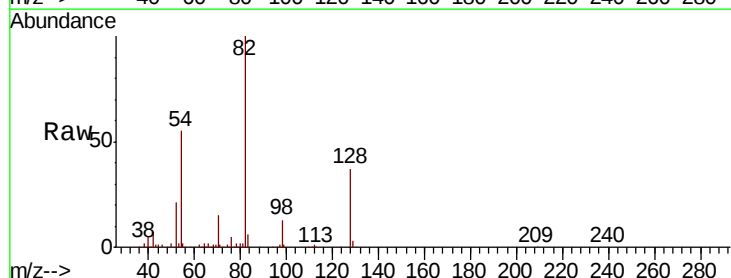
Ion Ratio Lower Upper

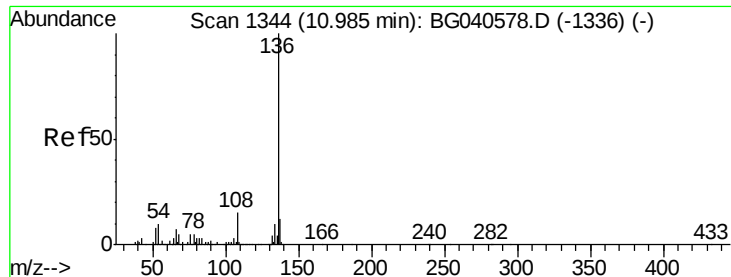
70 100

42 46.8 57.1 85.7#

101 0.0 7.8 11.8#

130 2.4 14.6 21.8#

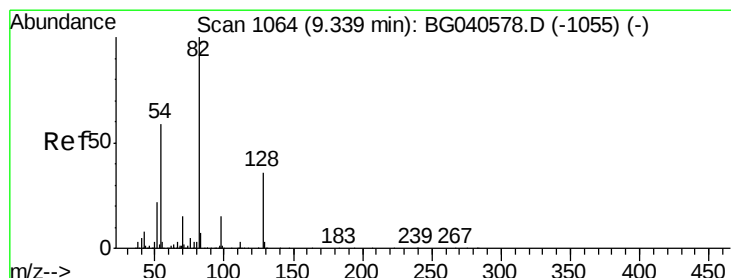
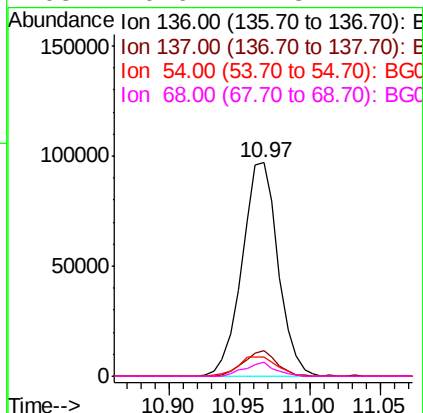
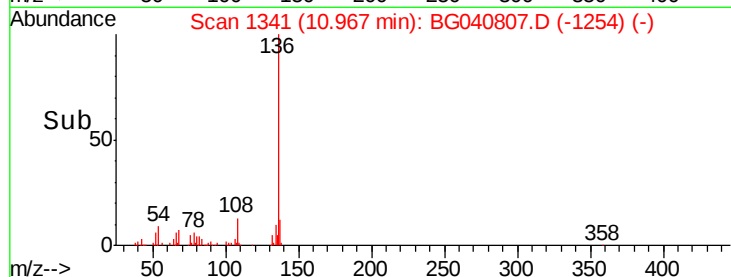
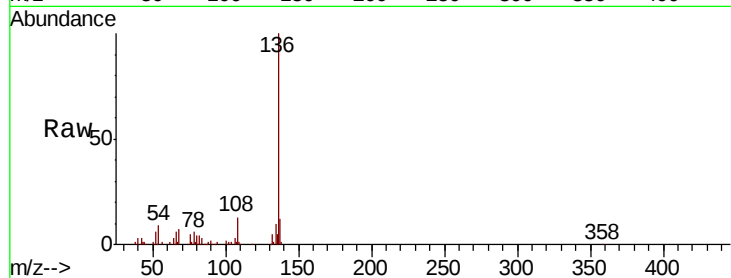




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040807.D
Acq: 9 May 2019 5:11

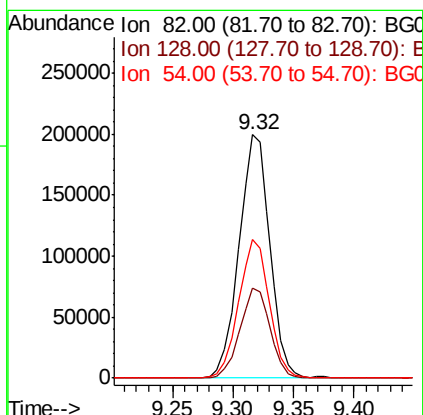
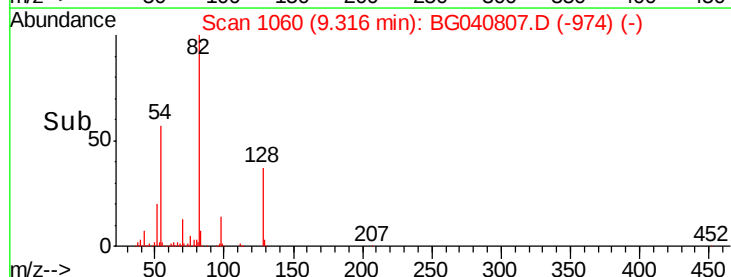
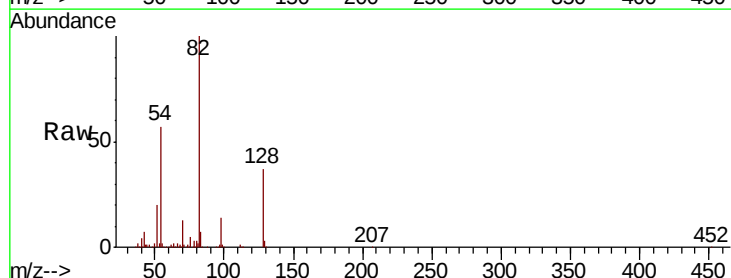
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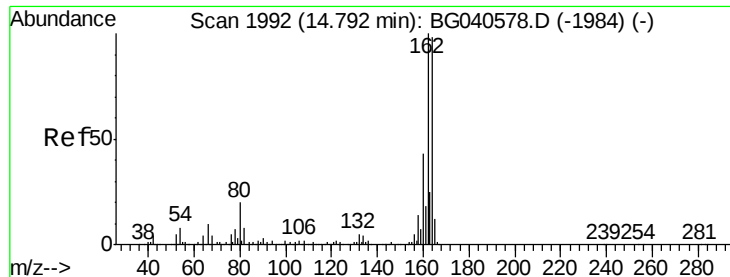
Tgt Ion:	136	Resp:	173400
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	8.8	8.6	12.8
68	6.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 94.625 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040807.D
Acq: 9 May 2019 5:11

Tgt Ion:	82	Resp:	355104
Ion	Ratio	Lower	Upper
82	100		
128	36.8	28.9	43.3
54	57.2	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040807.D

Acq: 9 May 2019 5:11

Instrument :

BNA_G

ClientSampleId :

PB119548TB

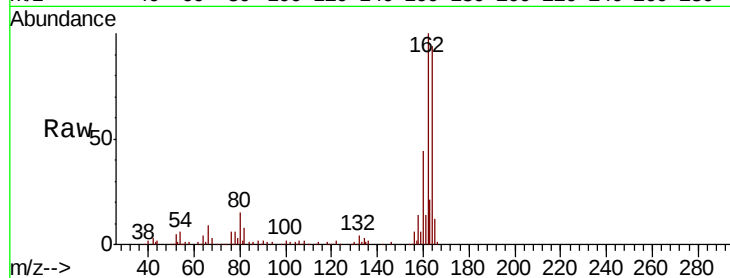
Tgt Ion:164 Resp: 127340

Ion Ratio Lower Upper

164 100

162 106.1 81.9 122.9

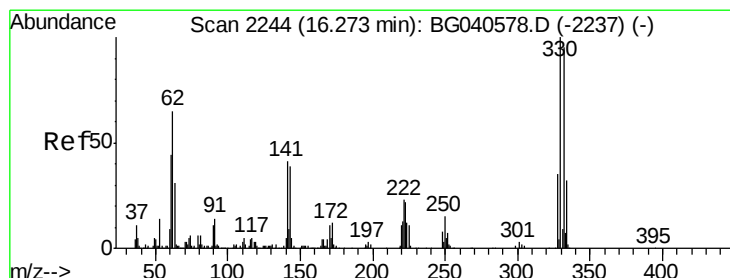
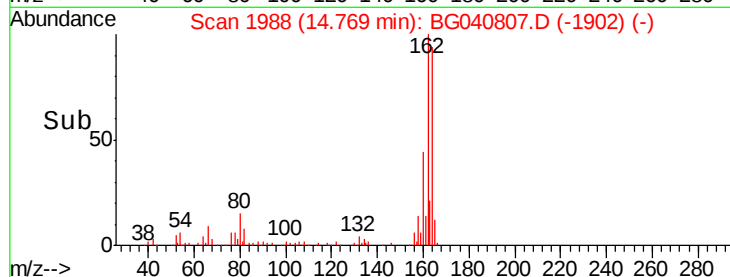
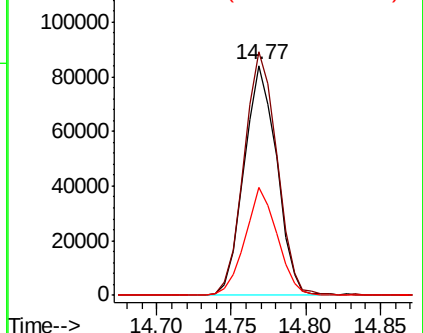
160 46.9 35.4 53.2



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: 142.062 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040807.D

Acq: 9 May 2019 5:11

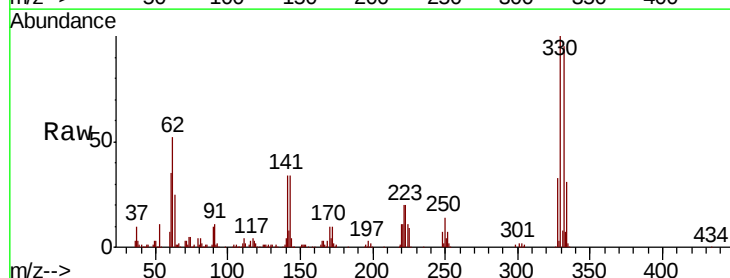
Tgt Ion:330 Resp: 248654

Ion Ratio Lower Upper

330 100

332 96.3 75.9 113.9

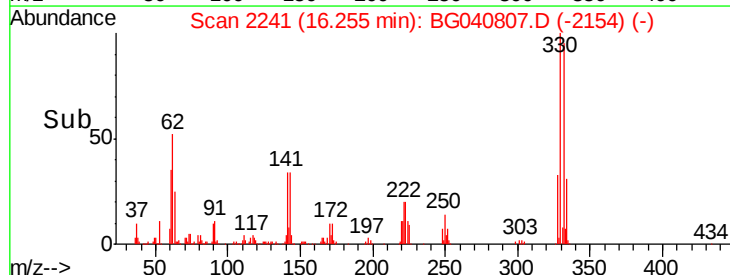
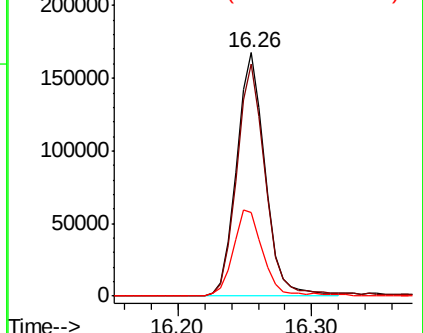
141 37.5 32.4 48.6

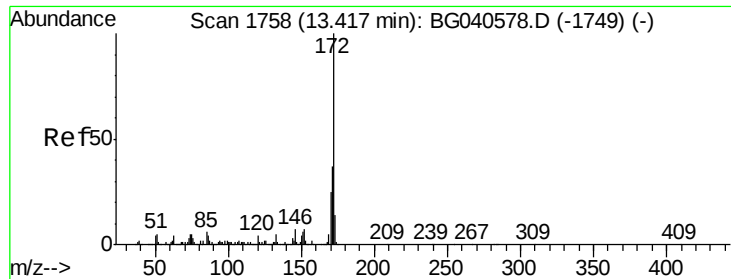


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

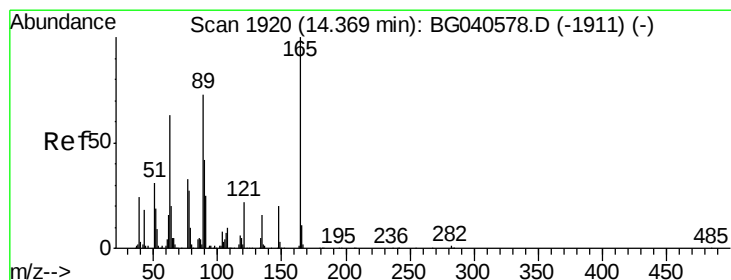
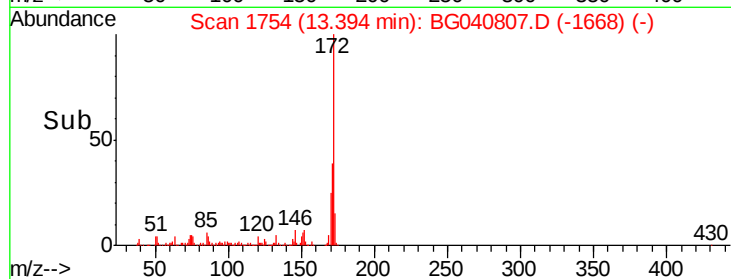
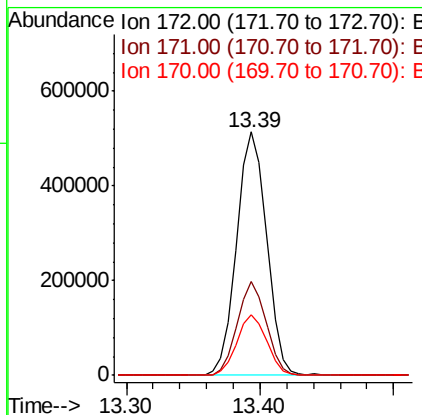
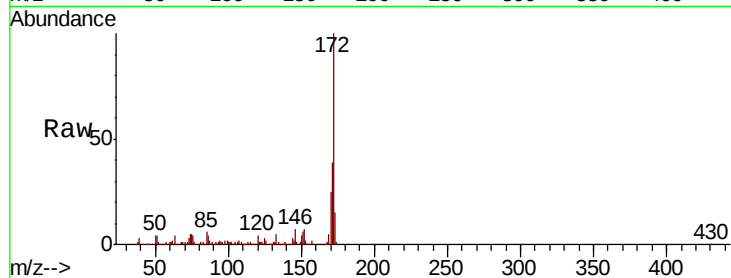




#45
 2-Fluorobiphenyl
 Concen: 90.978 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040807.D
 Acq: 9 May 2019 5:11

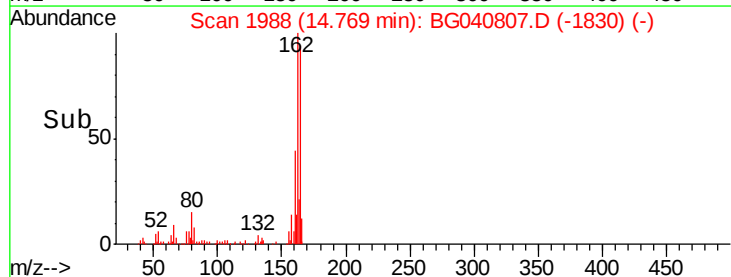
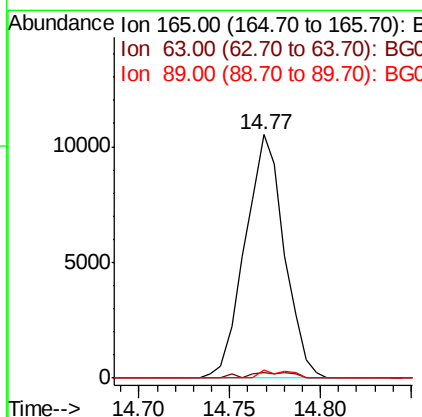
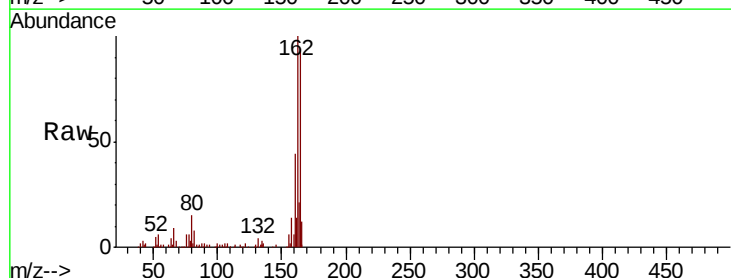
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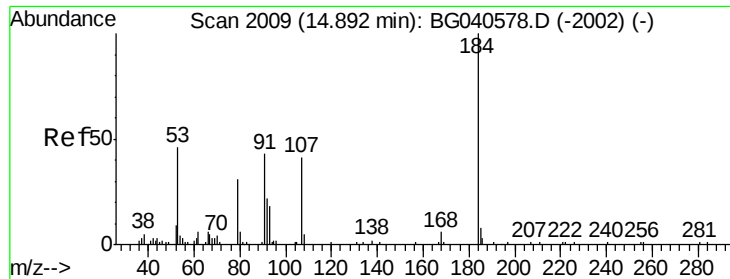
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	29.4	44.2
170	25.1	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.575 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040807.D
 Acq: 9 May 2019 5:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	61.0	91.4#
89	3.3	58.6	87.8#

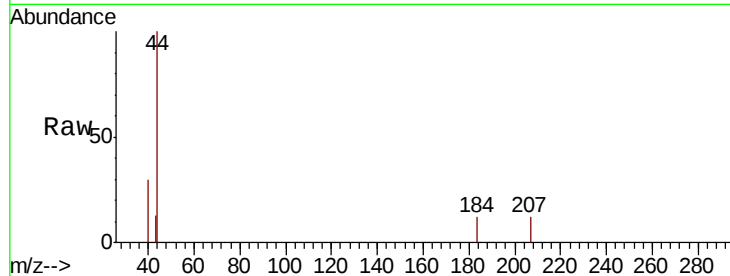




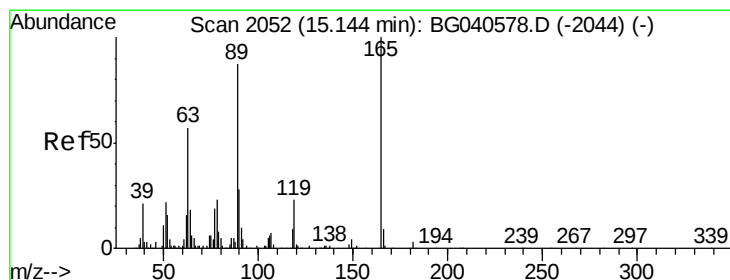
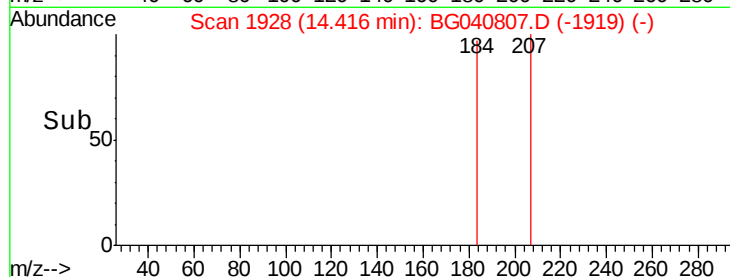
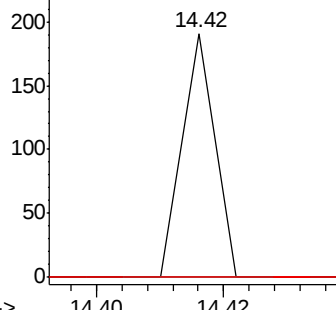
#54
2,4-Dinitrophenol
Concen: 7.067 ng
RT: 14.42 min Scan# 1928
Delta R.T. -0.47 min
Lab File: BG040807.D
Acq: 9 May 2019 5:11

Instrument :
BNA_G
ClientSampleId :
PB119548TB

Tgt Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

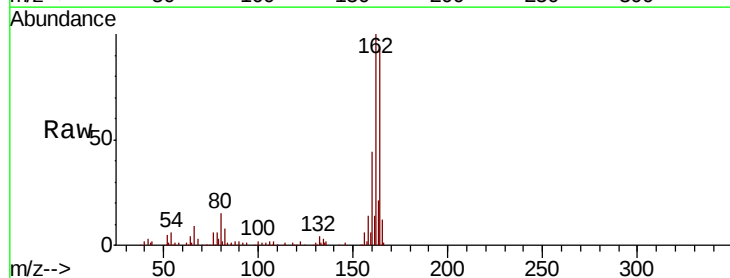


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

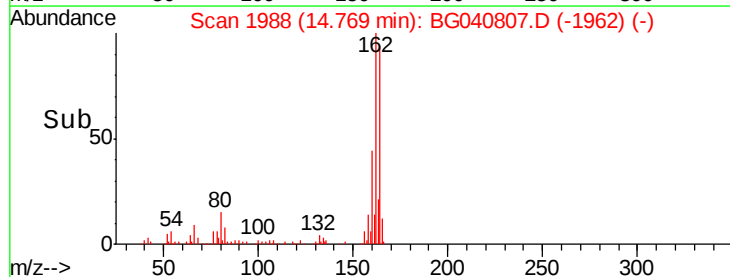
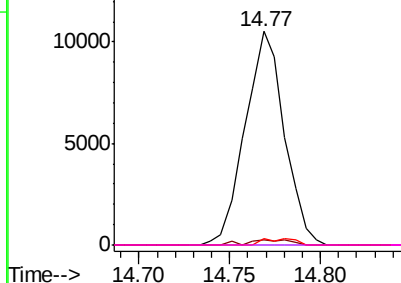


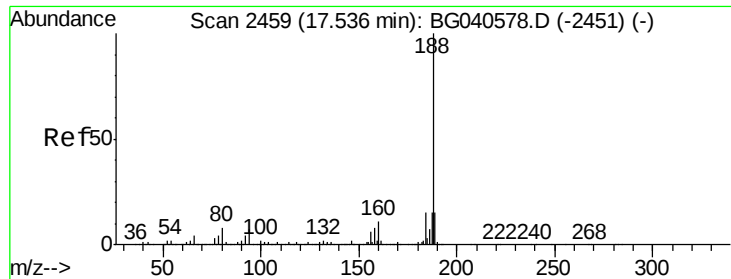
#57
2,4-Dinitrotoluene
Concen: 5.575 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040807.D
Acq: 9 May 2019 5:11

Tgt Ion:165 Resp: 15752
Ion Ratio Lower Upper
165 100
63 2.3 45.8 68.8#
89 3.3 69.4 104.2#
182 0.0 2.2 3.4#



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

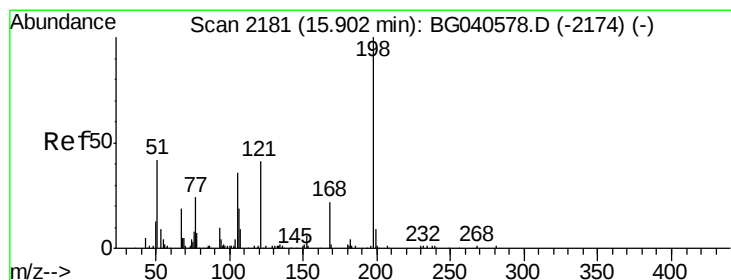
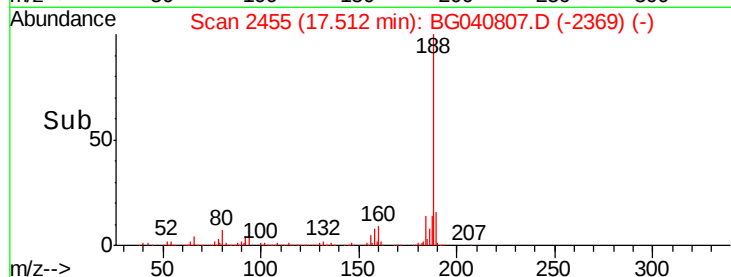
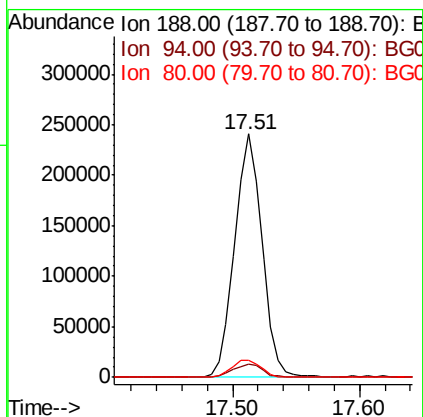
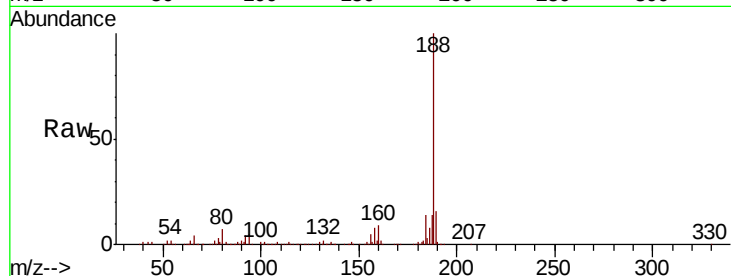




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040807.D
 Acq: 9 May 2019 5:11

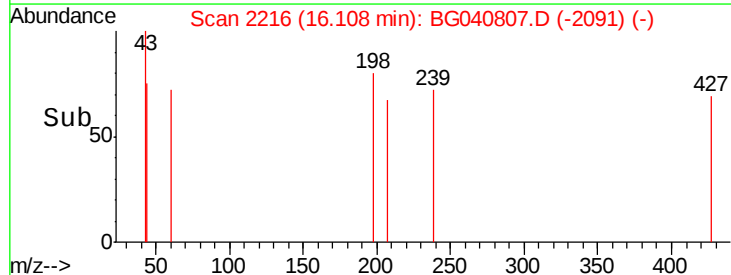
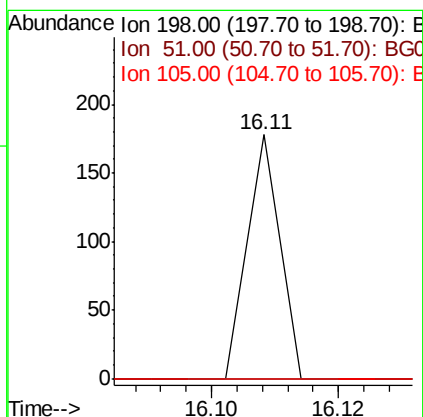
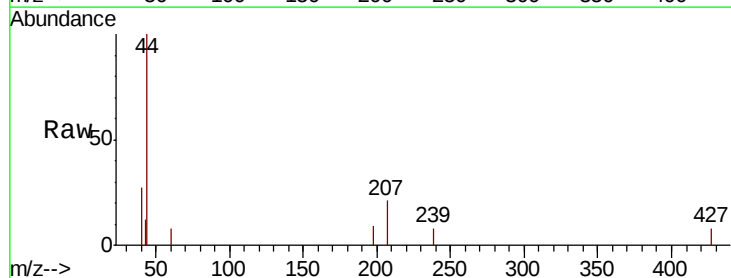
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 PB119548TB

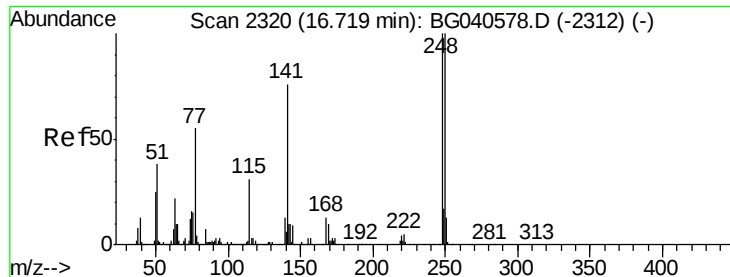
Tgt Ion:188 Resp: 359448
 Ion Ratio Lower Upper
 188 100
 94 5.4 5.6 8.4#
 80 7.1 6.4 9.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.132 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. 0.21 min
 Lab File: BG040807.D
 Acq: 9 May 2019 5:11

Tgt Ion:198 Resp: 63
 Ion Ratio Lower Upper
 198 100
 51 0.0 35.9 75.9#
 105 0.0 21.2 61.2#

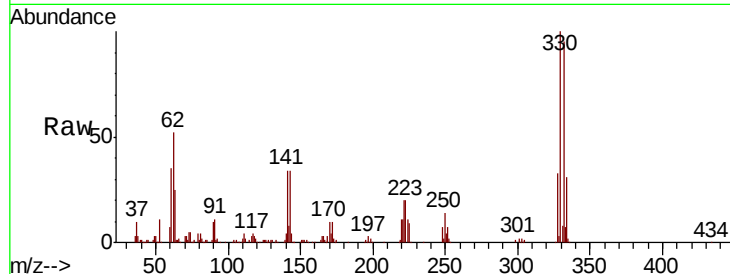




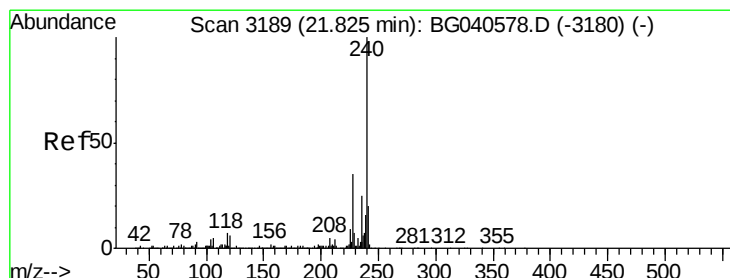
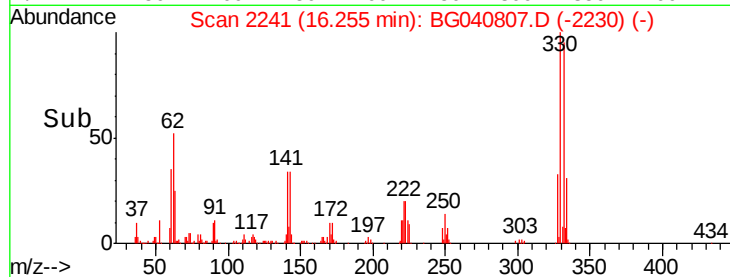
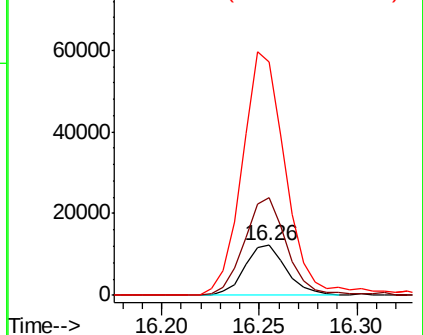
#67
 4-Bromophenyl-phenylether
 Concen: 4.061 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040807.D
 Acq: 9 May 2019 5:11

Instrument :
 BNA_G
 ClientSampleId :
 PB119548TB

Tgt Ion:248 Resp: 18184
 Ion Ratio Lower Upper
 248 100
 250 196.6 79.8 119.6#
 141 469.0 60.8 91.2#

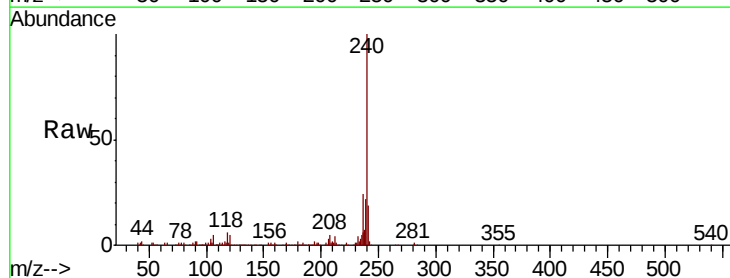


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

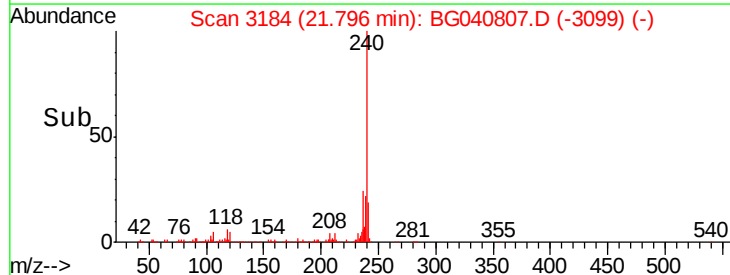
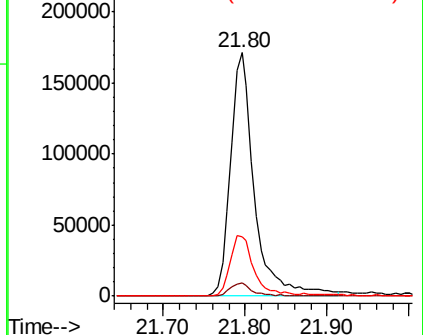


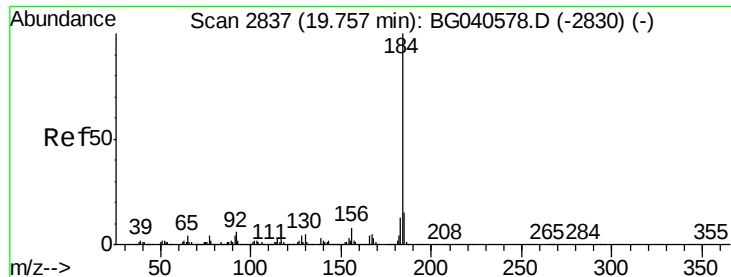
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040807.D
 Acq: 9 May 2019 5:11

Tgt Ion:240 Resp: 347997
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.0 7.6
 236 24.3 20.3 30.5



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: 3.131 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040807.D

Acq: 9 May 2019 5:11

Instrument :

BNA_G

ClientSampleId :

PB119548TB

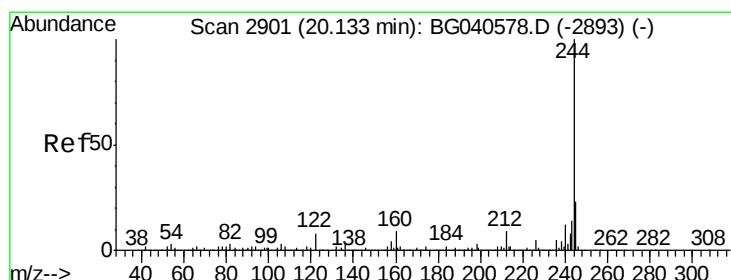
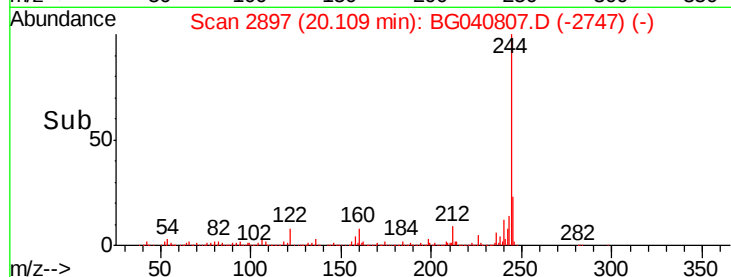
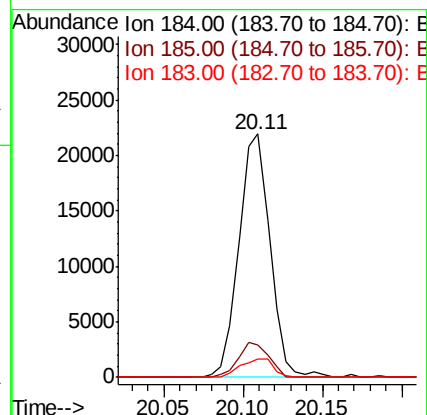
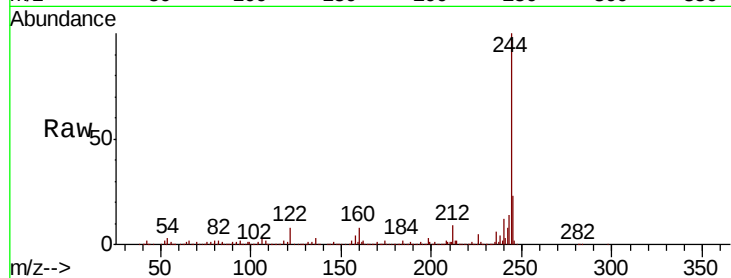
Tgt Ion:184 Resp: 29833

Ion Ratio Lower Upper

184 100

185 13.4 11.8 17.8

183 7.7 10.2 15.2#



#79

Terphenyl-d14

Concen: 104.219 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040807.D

Acq: 9 May 2019 5:11

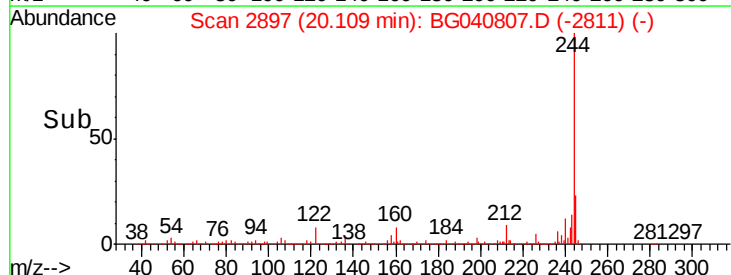
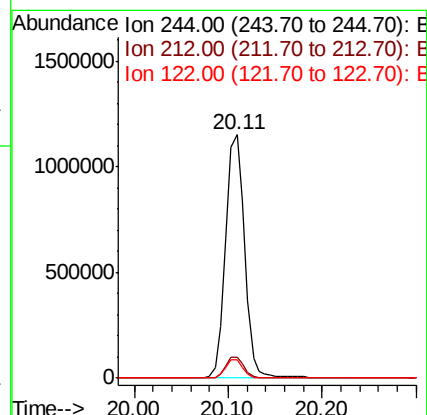
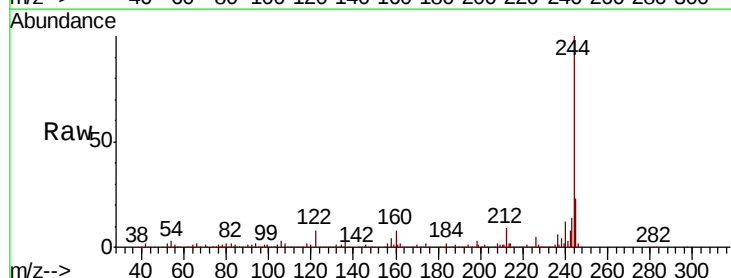
Tgt Ion:244 Resp: 1637069

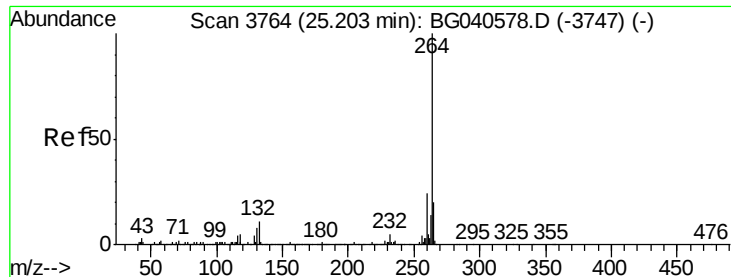
Ion Ratio Lower Upper

244 100

212 8.7 7.2 10.8

122 7.6 6.6 10.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.14 min Scan# 3754
Delta R.T. -0.06 min
Lab File: BG040807.D
Acq: 9 May 2019 5:11

Instrument :
BNA_G
ClientSampleId :
PB119548TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.2	16.6	25.0

