

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040734.D
 Acq On : 3 May 2019 21:01
 Operator : JU/SJ
 Sample : K2635-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-050219-D

Quant Time: May 03 23:18:27 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

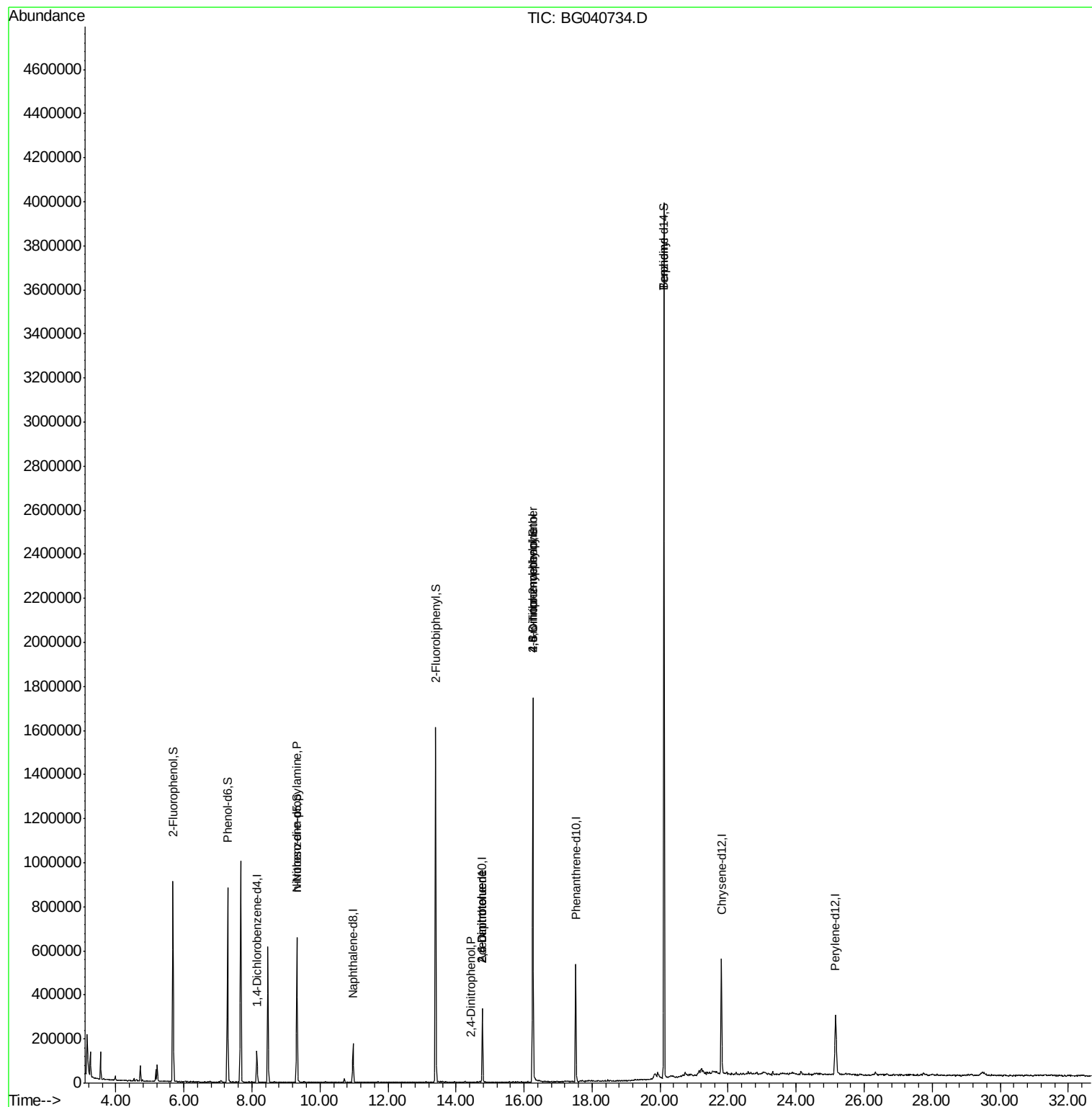
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	34280	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	138722	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	110778	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	324454	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	326968	20.00	ng	-0.02
87) Perylene-d12	25.16	264	331876	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	330015	169.70	ng	0.00
7) Phenol-d6	7.28	99	446825	149.23	ng	-0.01
23) Nitrobenzene-d5	9.32	82	376873	125.53	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	325758	213.94	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	798241	104.07	ng	-0.02
79) Terphenyl-d14	20.11	244	1853330	125.58	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1421	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	56158	20.835 ng	#	74
51) 2,6-Dinitrotoluene	14.77	165	14806	8.185 ng	#	15
54) 2,4-Dinitrophenol	14.45	184	61	7.069 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	14806	6.023 ng	#	16
65) 4,6-Dinitro-2-methylphenol	16.26	198	820	7.538 ng	#	1
67) 4-Bromophenyl-phenylether	16.26	248	23641	5.848 ng	#	1
77) Benzydine	20.11	184	34252	3.826 ng	#	91

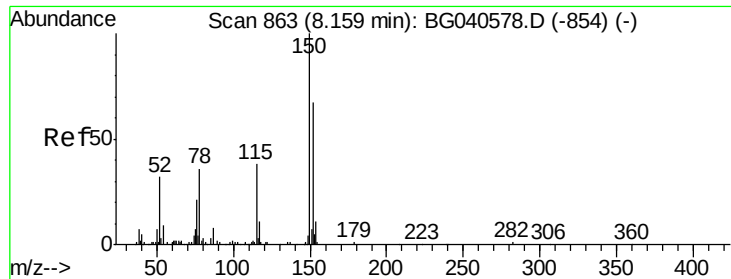
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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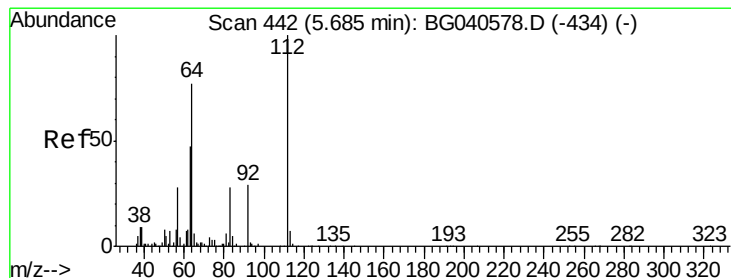
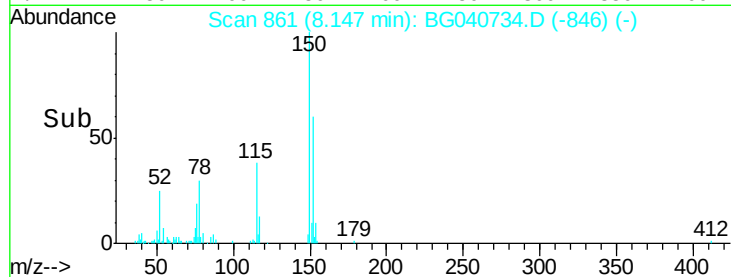
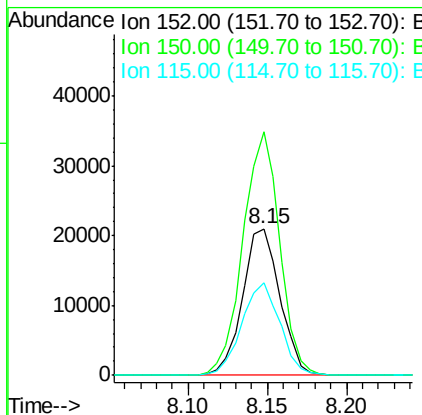
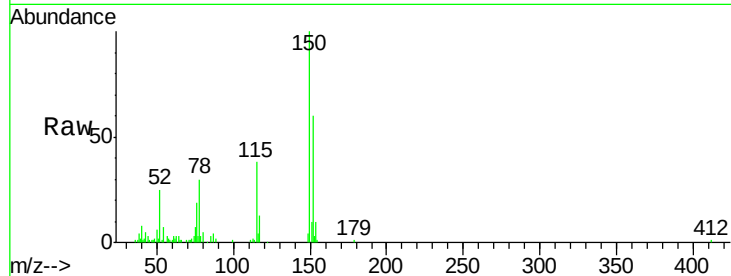


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040734.D
Acq: 3 May 2019 21:01

Instrument :
BNA_G
ClientSampleId :
AU-05-050219-D

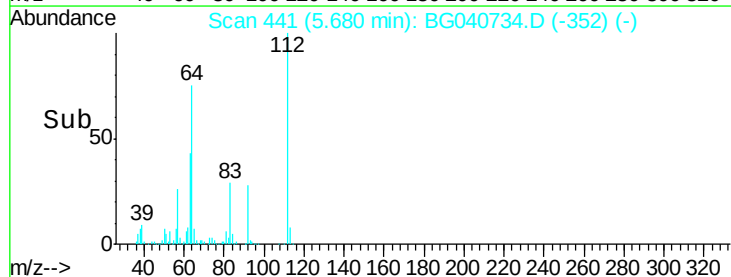
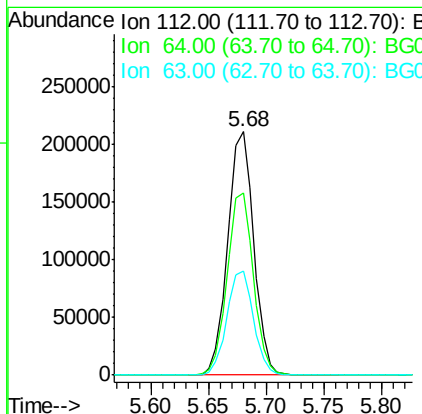
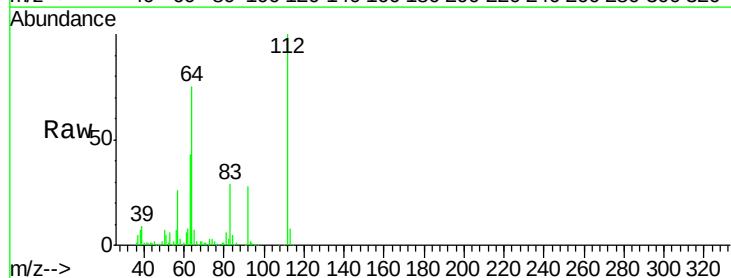
Tot Ion	152	Resp	34280
Ion Ratio	Lower	Upper	
152	100		
150	166.3	120.2	180.2
115	63.3	46.2	69.2

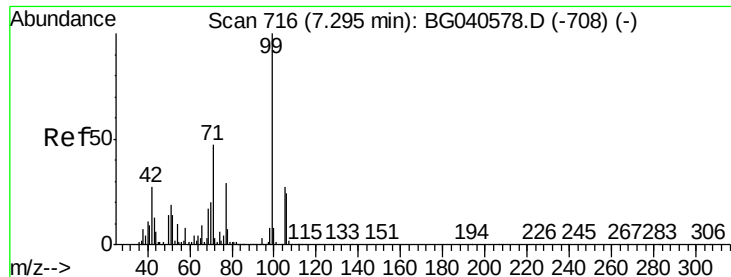


#5

2-Fluorophenol
Concen: 169.702 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040734.D
Acq: 3 May 2019 21:01

Tgt Ion	112	Resp	330015
Ion Ratio	Lower	Upper	
112	100		
64	75.0	61.4	92.0
63	42.8	37.8	56.6





#7

Phenol-d6

Concen: 149.228 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040734.D

Acq: 3 May 2019 21:01

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-D

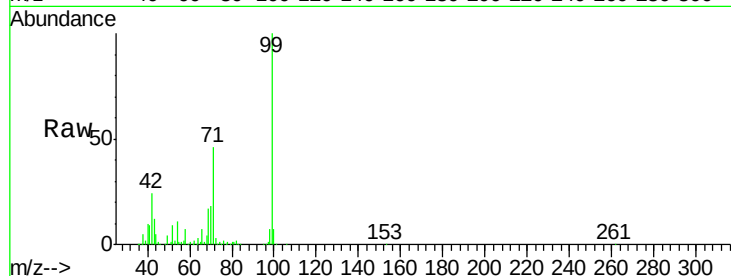
Tot Ion: 99 Resp: 446825

Ion Ratio Lower Upper

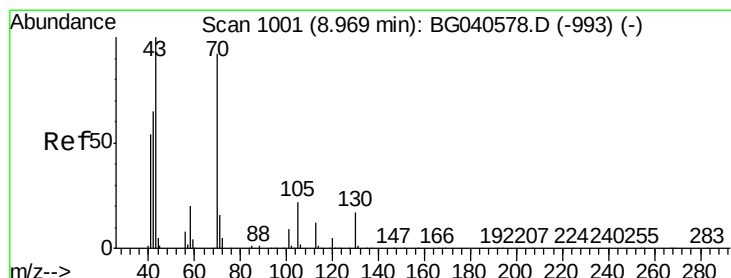
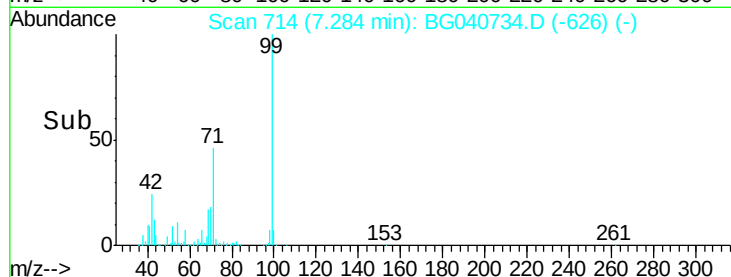
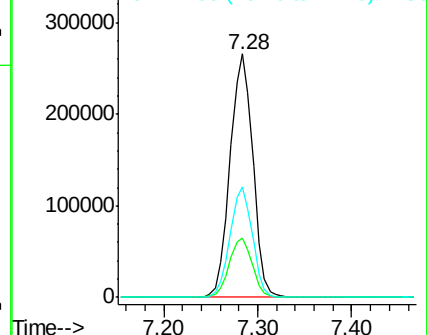
99 100

42 24.2 21.8 32.8

71 45.6 38.6 57.8



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: 20.835 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040734.D

Acq: 3 May 2019 21:01

Tgt Ion: 70 Resp: 56158

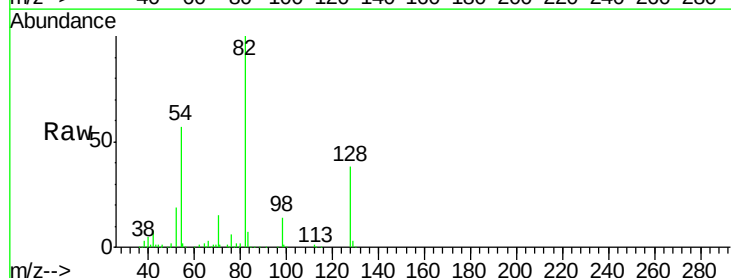
Ion Ratio Lower Upper

70 100

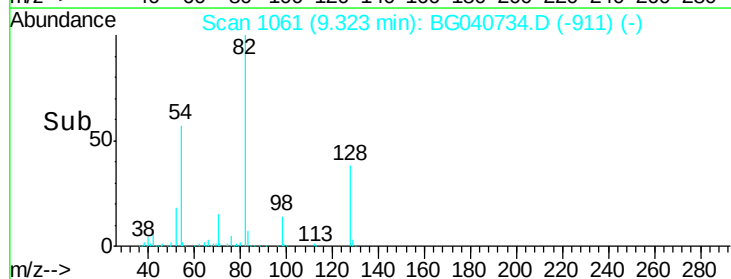
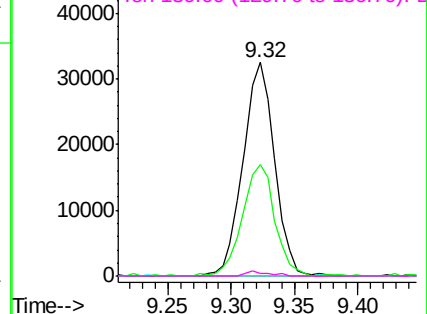
42 52.2 57.1 85.7#

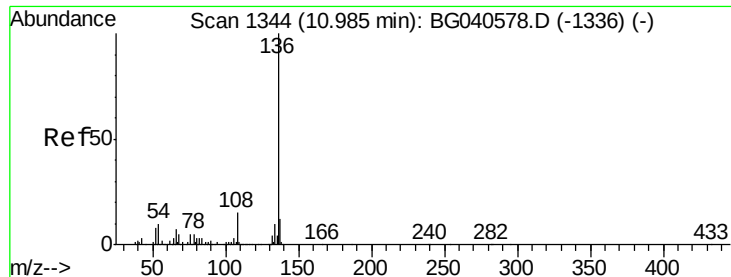
101 0.0 7.8 11.8#

130 1.5 14.6 21.8#



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

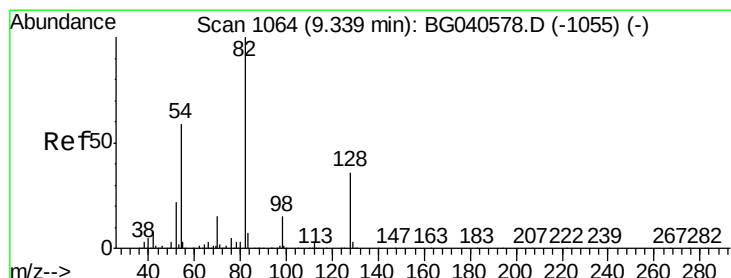
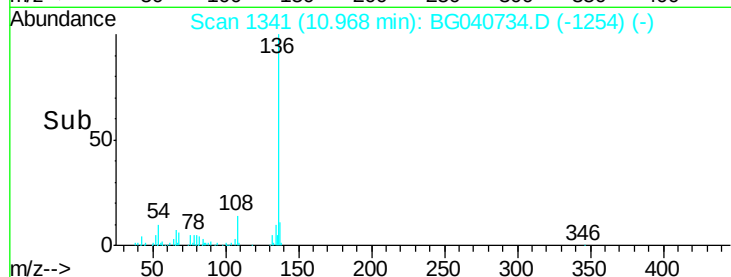
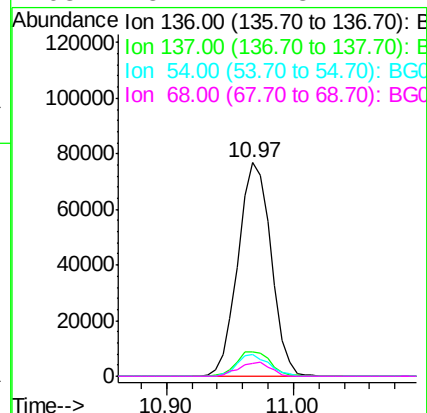
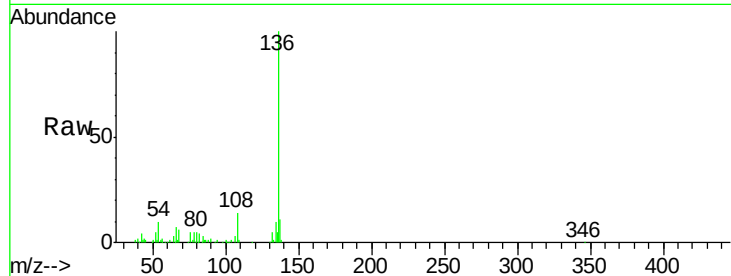




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040734.D
Acq: 3 May 2019 21:01

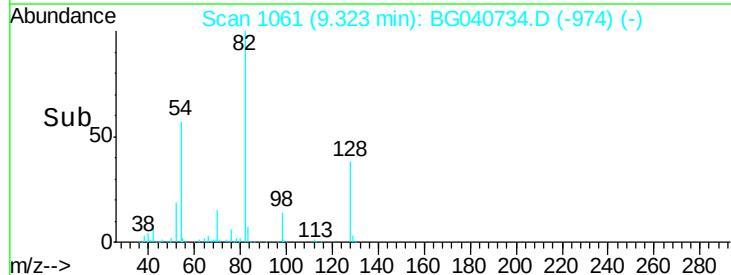
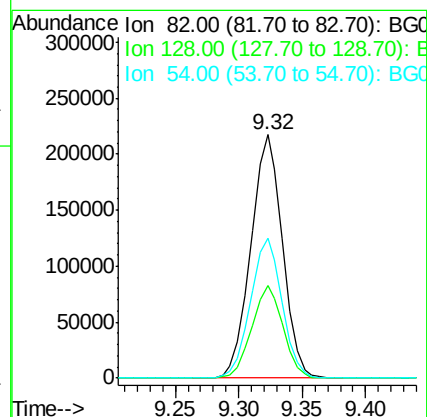
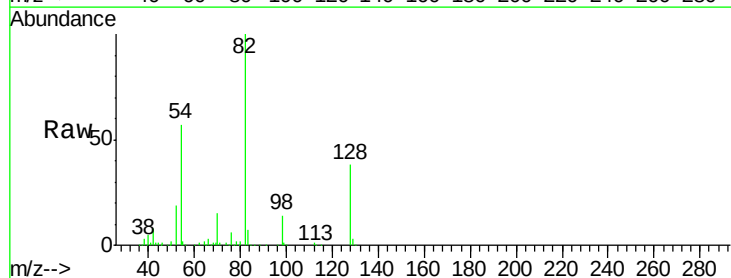
Instrument :
BNA_G
ClientSampleId :
AU-05-050219-D

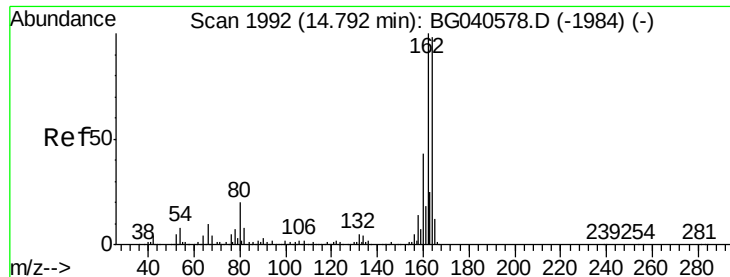
Tot Ion:136	Resp:	138722	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.7	14.5	
54 10.1	8.6	12.8	
68 5.7	4.8	7.2	



#23
Nitrobenzene-d5
Concen: 125.531 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040734.D
Acq: 3 May 2019 21:01

Tgt Ion: 82	Resp: 376873
Ion Ratio	Lower Upper
82 100	
128 38.1	28.9 43.3
54 57.4	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040734.D

Acq: 3 May 2019 21:01

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-D

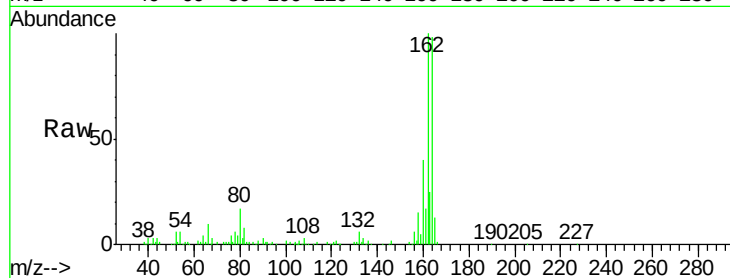
Tot Ion:164 Resp: 110778

Ion Ratio Lower Upper

164 100

162 102.6 81.9 122.9

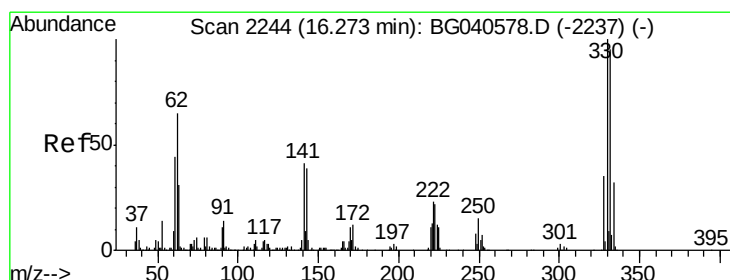
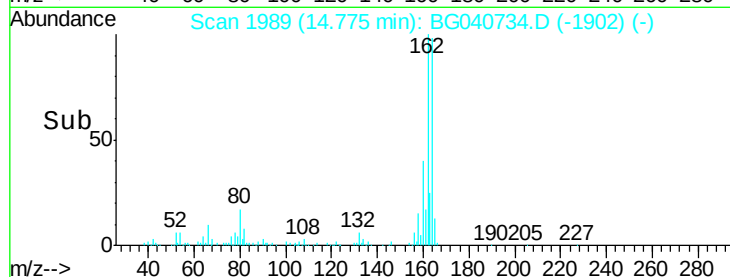
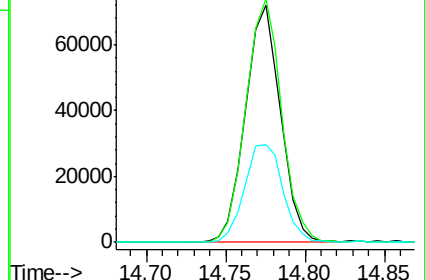
160 41.3 35.4 53.2



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: 213.939 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040734.D

Acq: 3 May 2019 21:01

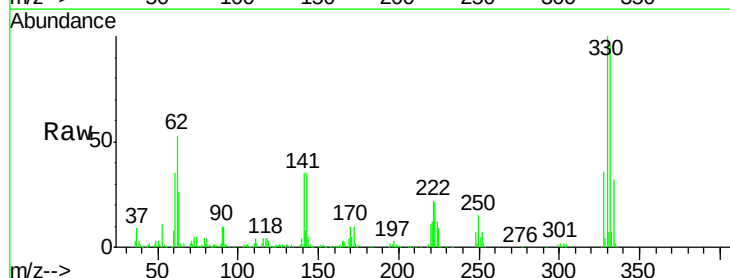
Tgt Ion:330 Resp: 325758

Ion Ratio Lower Upper

330 100

332 95.6 75.9 113.9

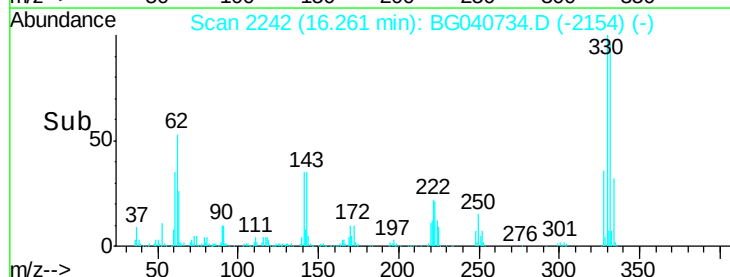
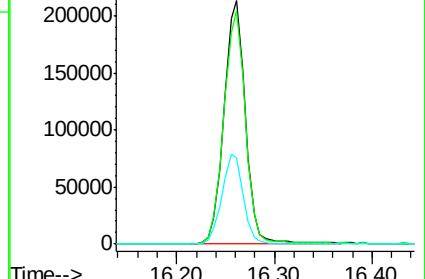
141 36.9 32.4 48.6

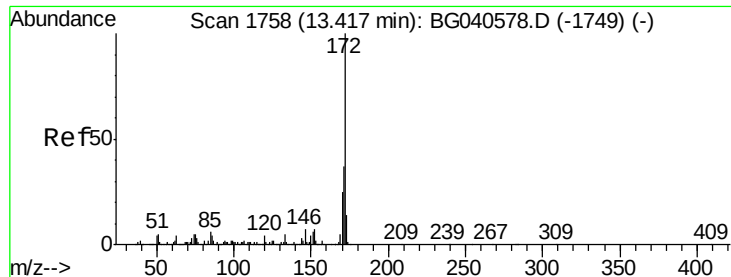


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

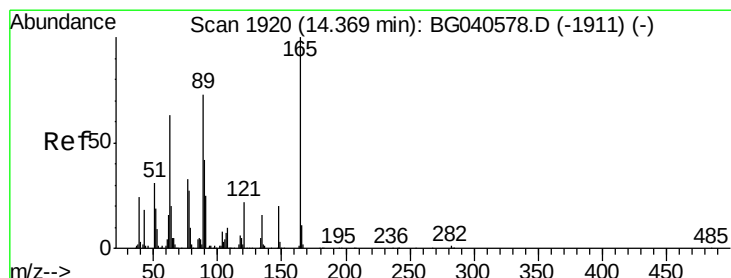
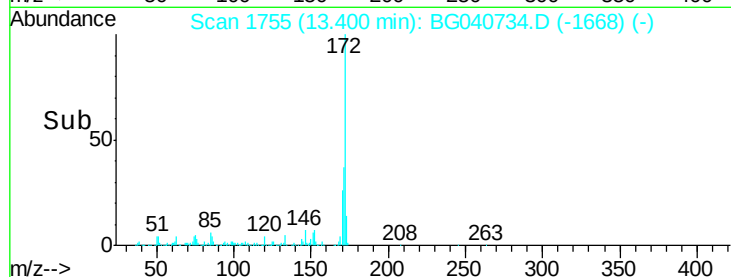
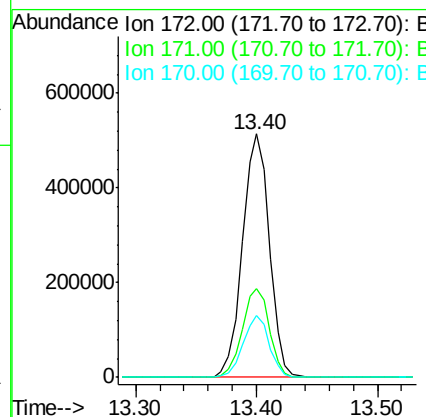
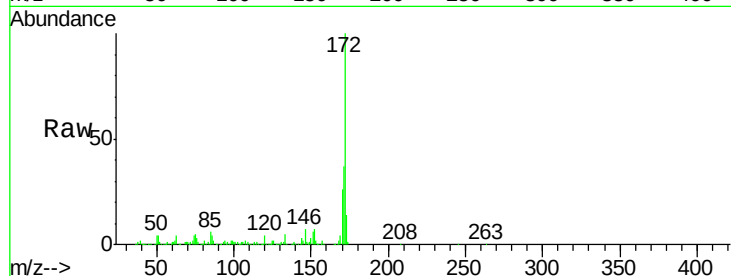




#45
 2-Fluorobiphenyl
 Concen: 104.066 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG040734.D
 Acq: 3 May 2019 21:01

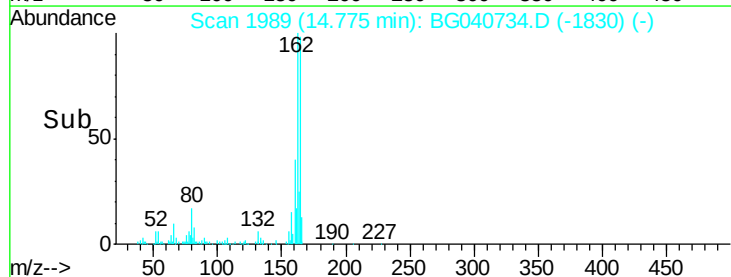
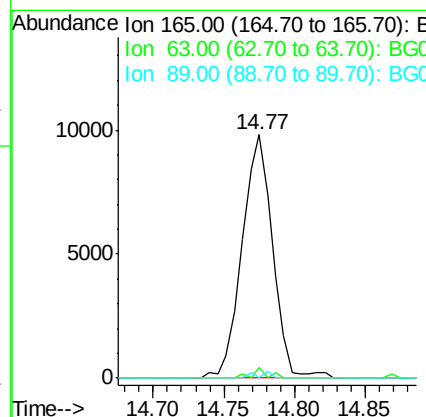
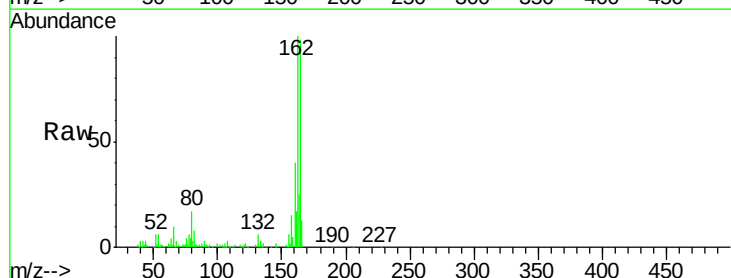
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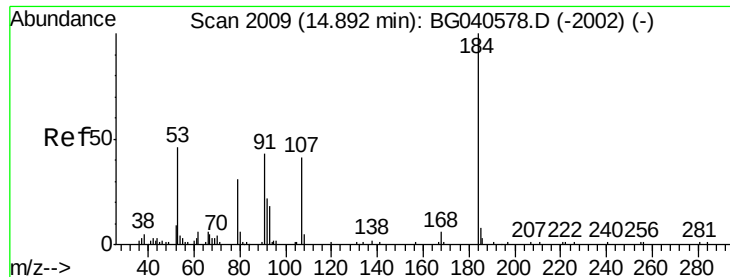
Tot Ion	Ion	Ratio	Lower	Upper
172	172	100		
171	171	36.6	29.4	44.2
170	170	25.5	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.185 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.41 min
 Lab File: BG040734.D
 Acq: 3 May 2019 21:01

Tgt Ion	Ion	Ratio	Lower	Upper
165	165	100		
63	63	4.2	61.0	91.4#
89	89	0.0	58.6	87.8#

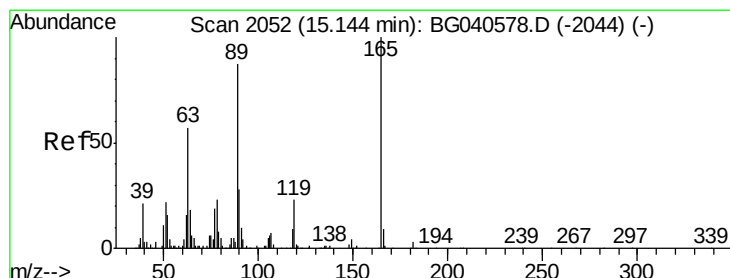
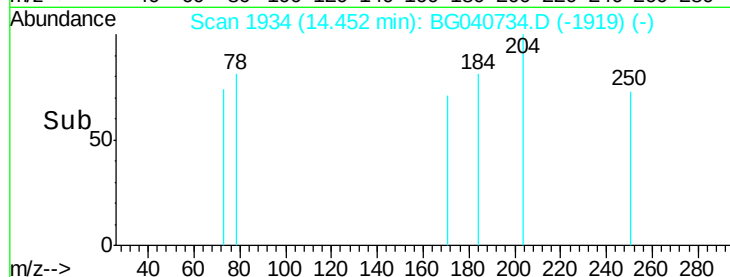
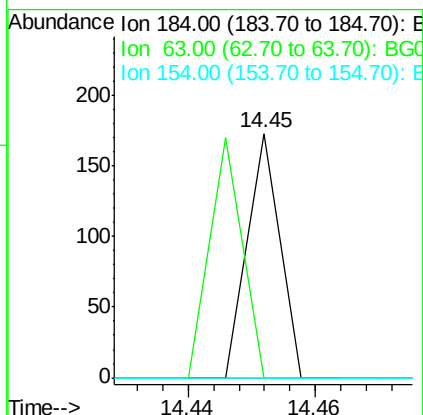
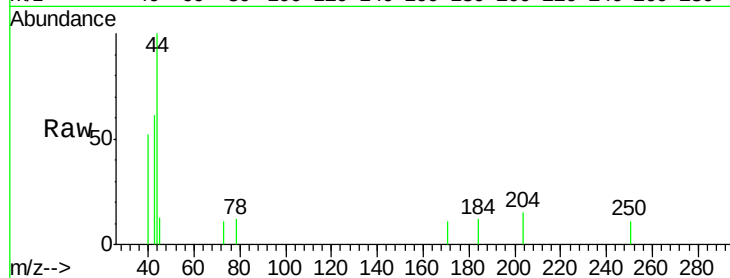




#54
2,4-Dinitrophenol
Concen: 7.069 ng
RT: 14.45 min Scan# 1934
Delta R.T. -0.44 min
Lab File: BG040734.D
Acq: 3 May 2019 21:01

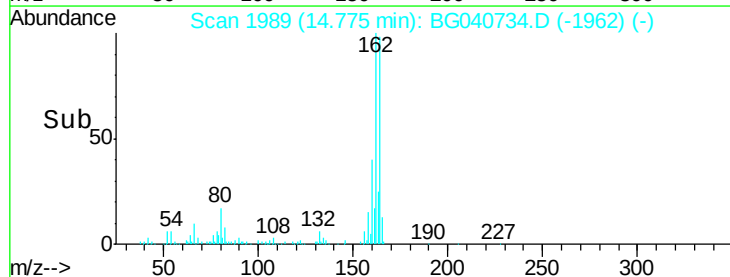
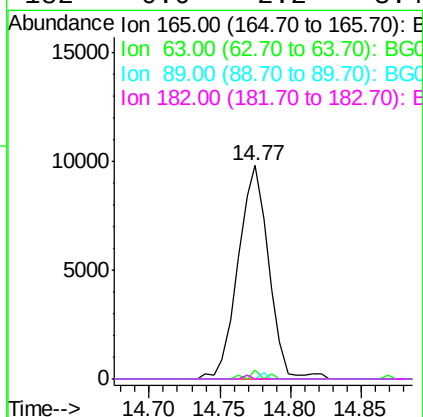
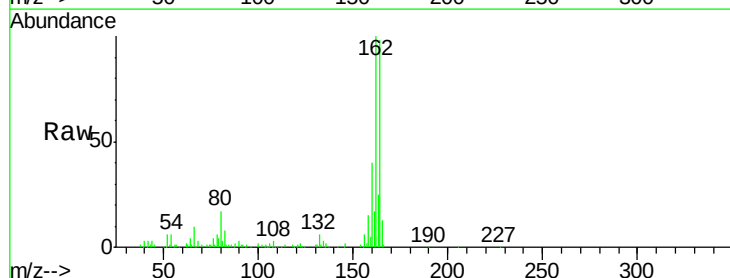
Instrument :
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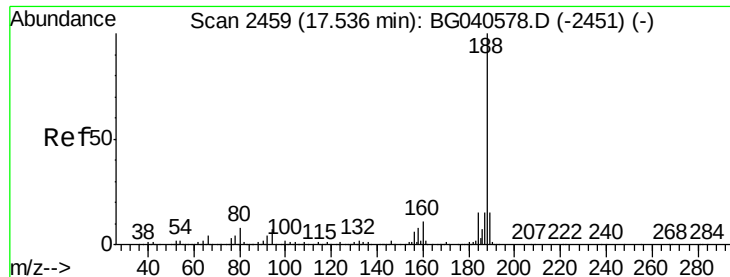
Tot Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.023 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040734.D
Acq: 3 May 2019 21:01

Tgt Ion:165 Resp: 14806
Ion Ratio Lower Upper
165 100
63 4.2 45.8 68.8#
89 0.0 69.4 104.2#
182 0.0 2.2 3.4#

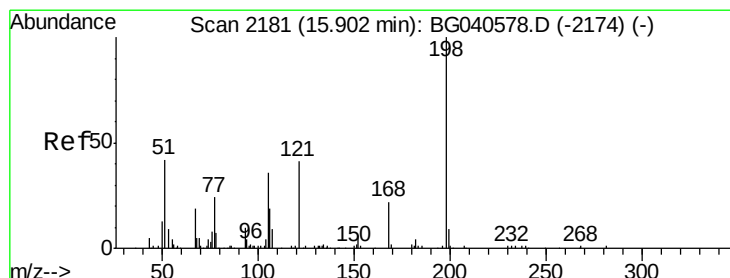
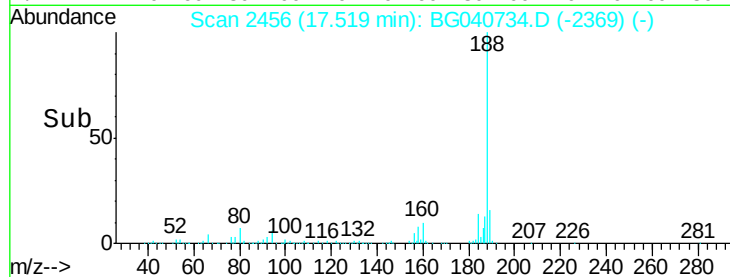
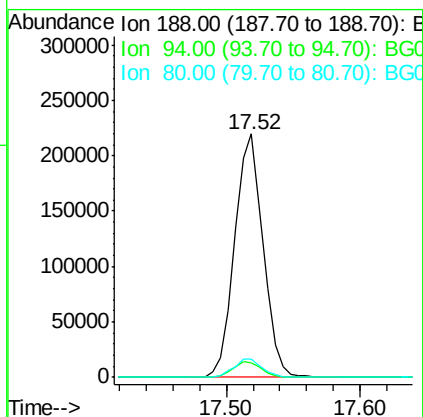
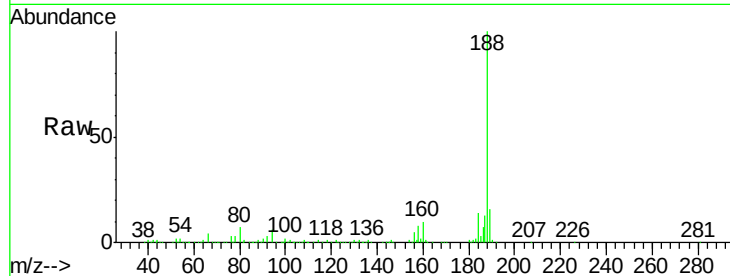




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BG040734.D
Acq: 3 May 2019 21:01

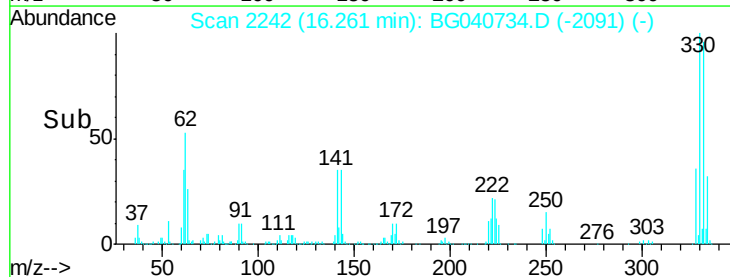
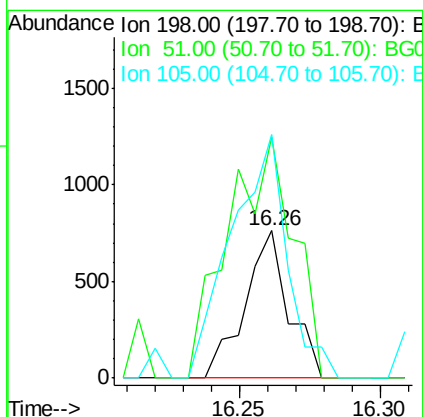
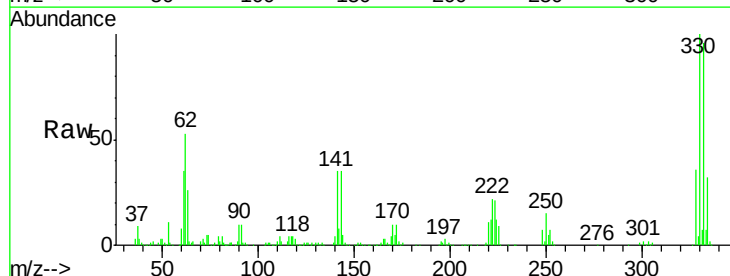
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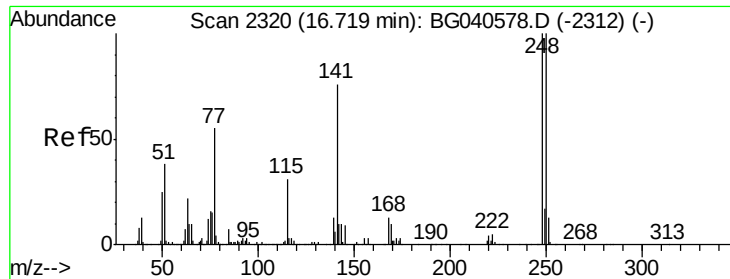
Tot Ion:188 Resp: 324454
Ion Ratio Lower Upper
188 100
94 6.0 5.6 8.4
80 7.4 6.4 9.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.538 ng
RT: 16.26 min Scan# 2242
Delta R.T. 0.36 min
Lab File: BG040734.D
Acq: 3 May 2019 21:01

Tgt Ion:198 Resp: 820
Ion Ratio Lower Upper
198 100
51 163.8 35.9 75.9#
105 165.4 21.2 61.2#

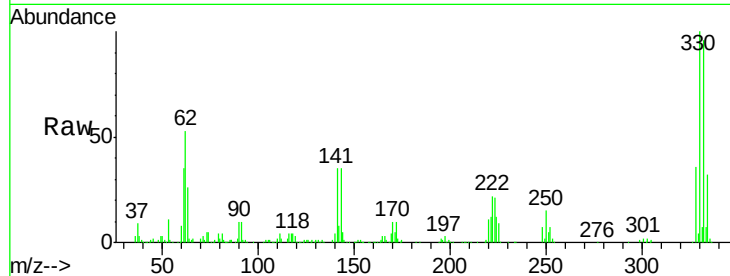




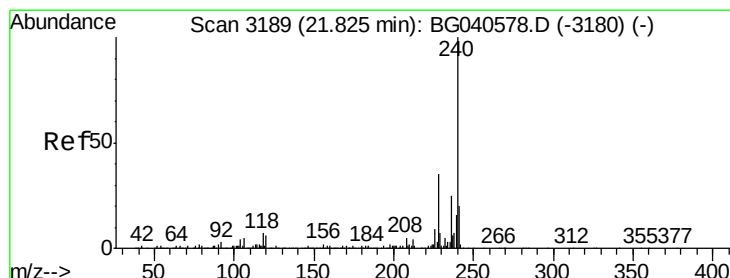
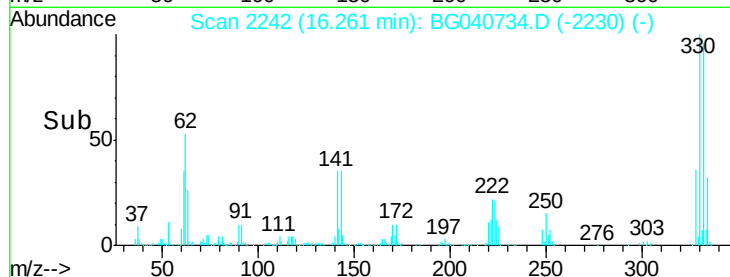
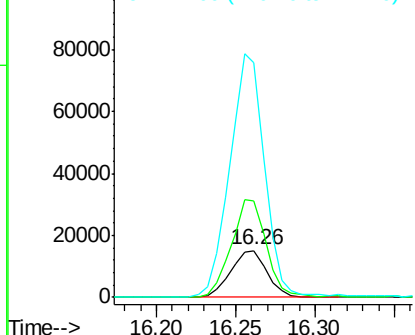
#67
 4-Bromophenyl-phenylether
 Concen: 5.848 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040734.D
 Acq: 3 May 2019 21:01

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-050219-D

Tot Ion:248 Resp: 23641
 Ion Ratio Lower Upper
 248 100
 250 207.4 79.8 119.6#
 141 503.4 60.8 91.2#

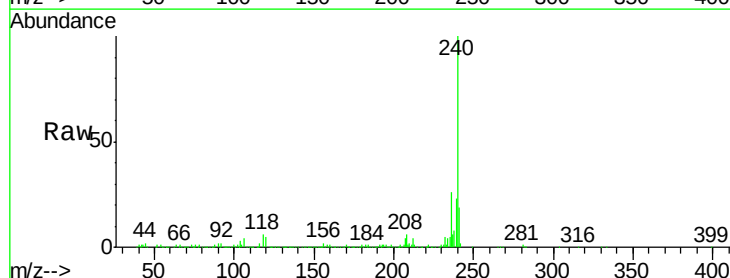


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

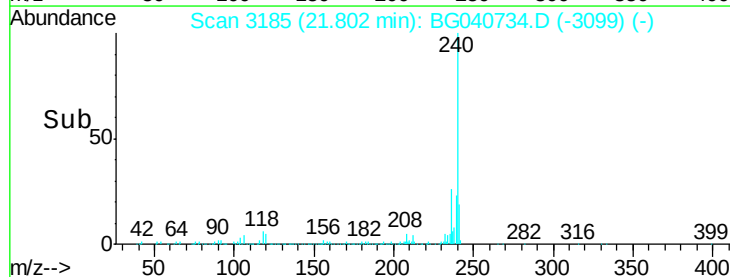
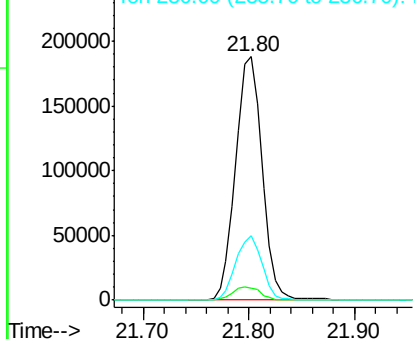


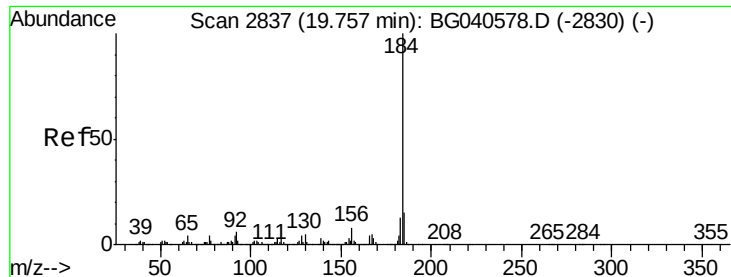
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.02 min
 Lab File: BG040734.D
 Acq: 3 May 2019 21:01

Tgt Ion:240 Resp: 326968
 Ion Ratio Lower Upper
 240 100
 120 4.9 5.0 7.6#
 236 26.4 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: 3.826 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040734.D

Acq: 3 May 2019 21:01

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-D

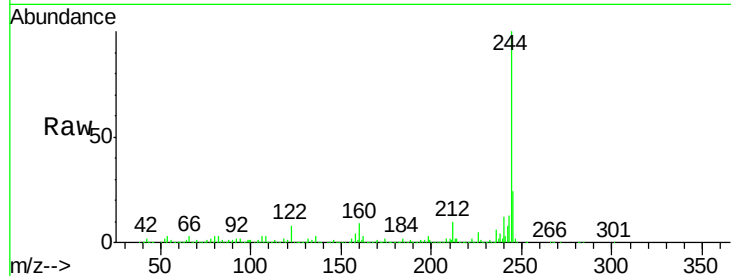
Tot Ion:184 Resp: 34252

Ion Ratio Lower Upper

184 100

185 18.8 11.8 17.8#

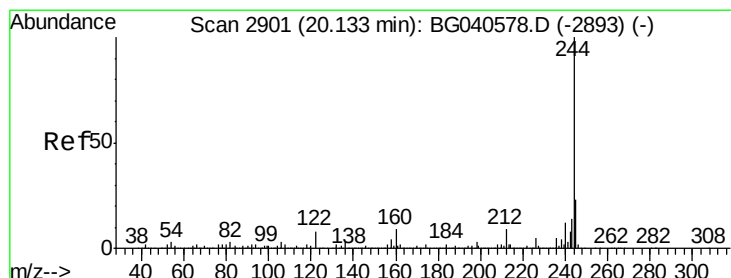
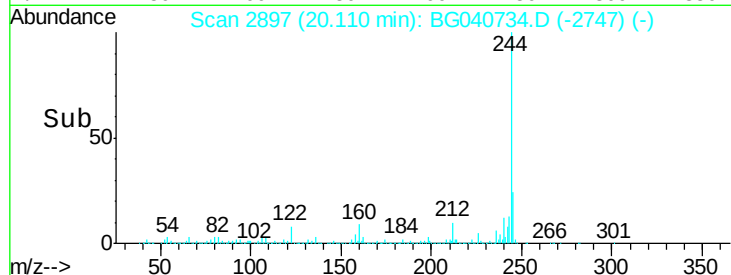
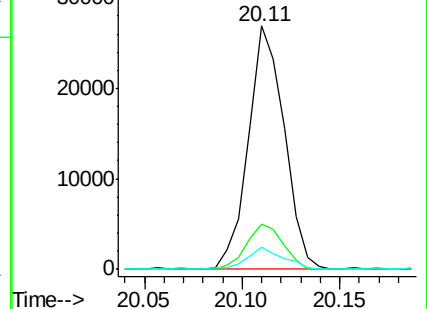
183 9.3 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 125.575 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040734.D

Acq: 3 May 2019 21:01

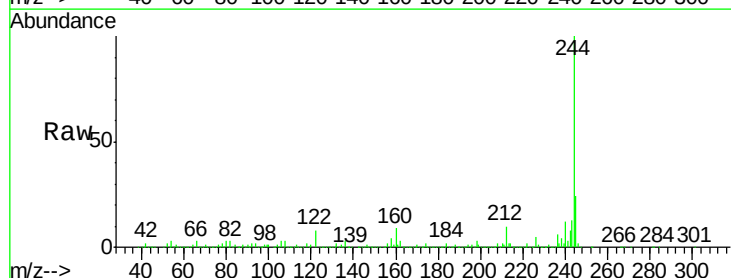
Tgt Ion:244 Resp: 1853330

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

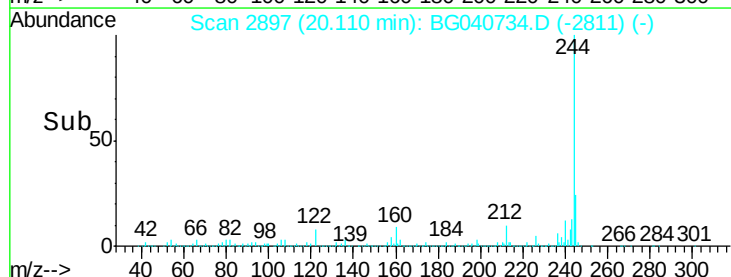
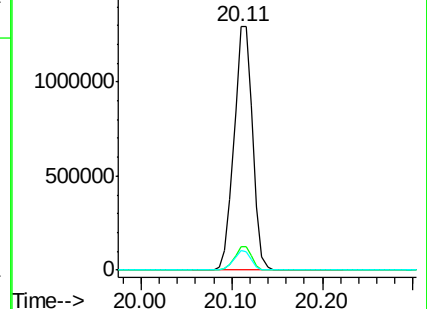
122 8.1 6.6 10.0

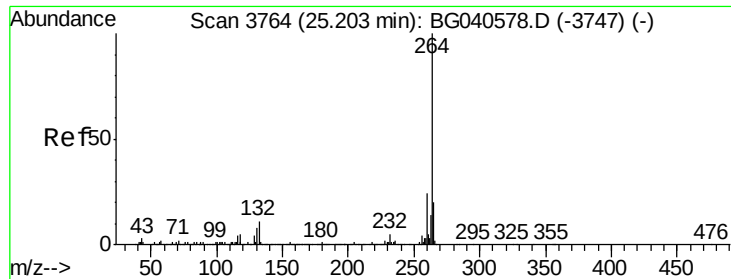


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

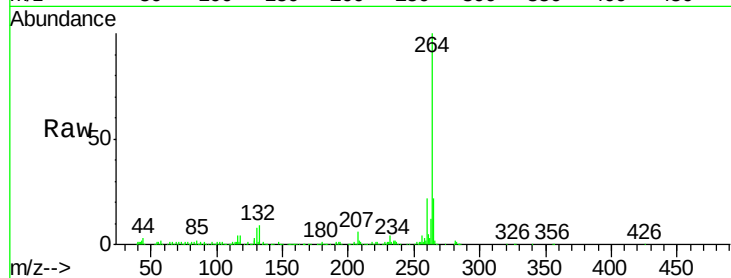




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040734.D
Acq: 3 May 2019 21:01

Instrument :
BNA_G
ClientSampleId :
AU-05-050219-D

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	21.6	16.6	25.0



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

