

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112519\
 Data File : BG043772.D
 Acq On : 25 Nov 2019 16:56
 Operator : JU
 Sample : K5670-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-112119

Quant Time: Nov 26 00:25:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG112219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 23 00:54:00 2019
 Response via : Initial Calibration

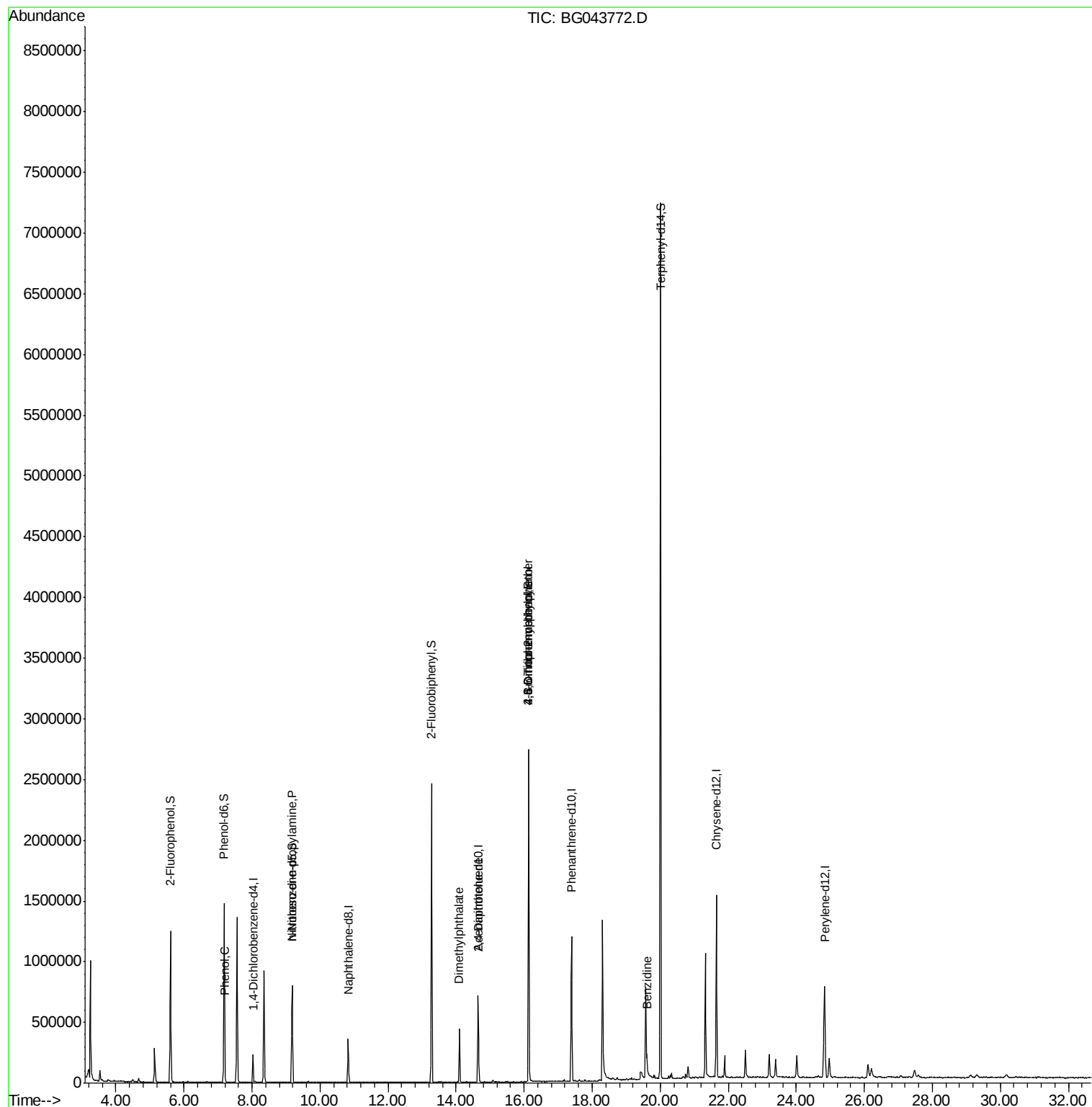
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	65640	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	315250	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	259848	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	775716	20.00	ng	0.00
76) Chrysene-d12	21.65	240	827648	20.00	ng	-0.01
87) Perylene-d12	24.83	264	758587	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	596761	163.44	ng	0.00
7) Phenol-d6	7.18	99	879798	165.76	ng	0.00
23) Nitrobenzene-d5	9.18	82	501091	87.39	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	467361	149.12	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1263471	79.93	ng	-0.01
79) Terphenyl-d14	20.01	244	2889445	78.89	ng	0.00
Target Compounds						
10) Phenol	7.21	94	21733	3.989	ng	96
19) n-Nitroso-di-n-propylamine	9.17	70	67019	16.057	ng	# 73
50) Dimethylphthalate	14.10	163	298359	14.495	ng	99
57) 2,4-Dinitrotoluene	14.65	165	33339	6.289	ng	# 23
60) Diethylphthalate	15.47	149	1373	Below Cal	#	78
65) 4,6-Dinitro-2-methylphenol	16.14	198	1844	4.830	ng	# 1
67) 4-Bromophenyl-phenylether	16.13	248	36686	4.485	ng	# 1
73) Carbazole	17.79	167	879	Below Cal	#	52
77) Benzidine	19.61	184	79087	3.271	ng	98

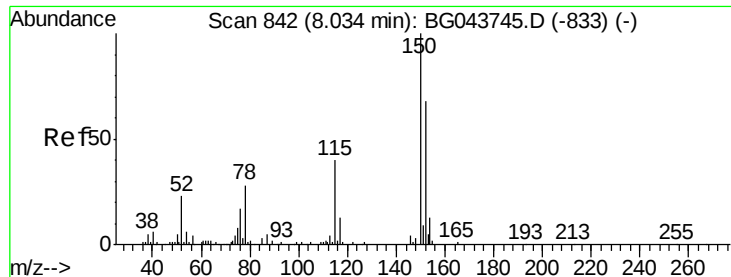
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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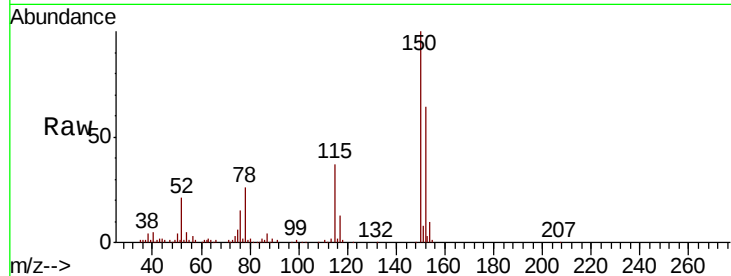


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BG043772.D
Acq: 25 Nov 2019 16:56

Instrument :
BNA_G
ClientSampleId :
OK-01-112119

Tot Ion	152	Resp	65640
Ion	Ratio	Lower	Upper
152	100		
150	155.3	117.8	176.8
115	57.5	47.0	70.4

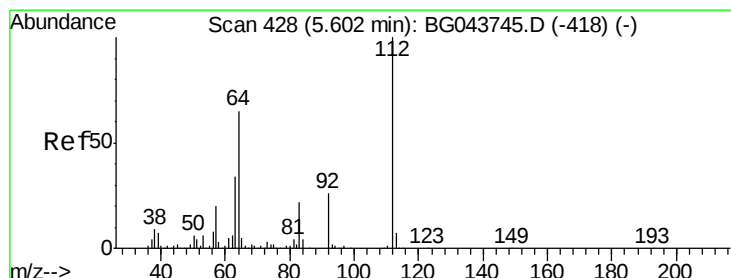
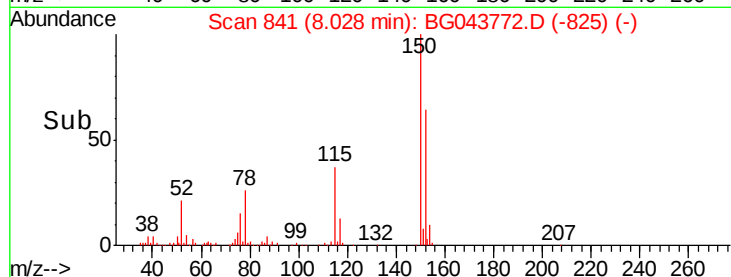
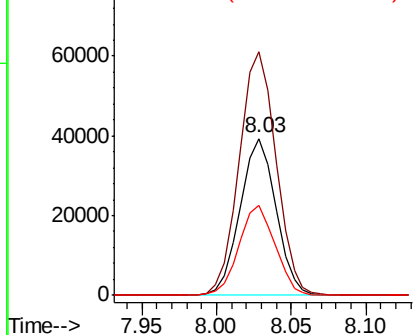


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

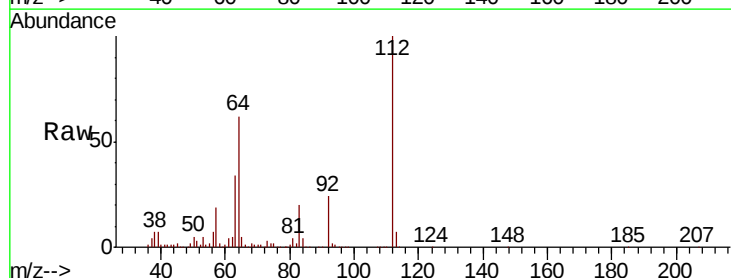
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 163.444 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043772.D
Acq: 25 Nov 2019 16:56

Tgt Ion	112	Resp	596761
Ion	Ratio	Lower	Upper
112	100		
64	62.0	51.7	77.5
63	34.3	26.8	40.2

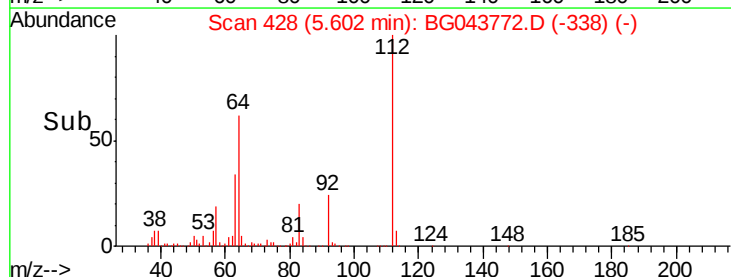
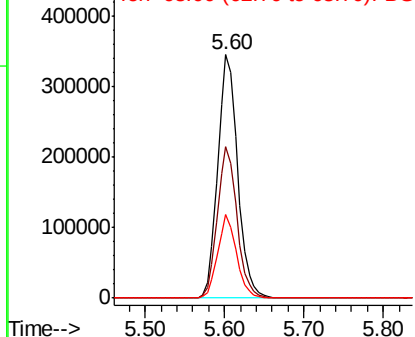


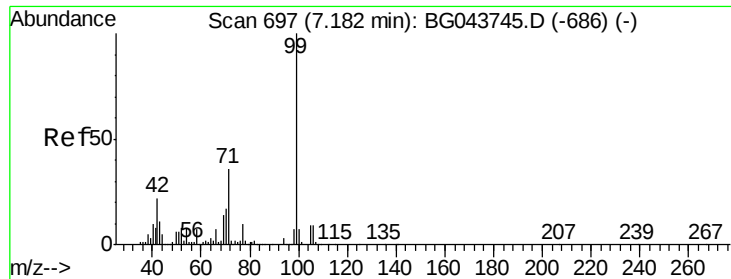
Abundance

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: 165.762 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG043772.D

Acq: 25 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

OK-01-112119

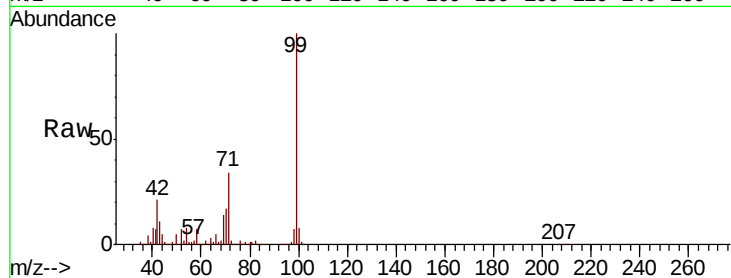
Tot Ion: 99 Resp: 879798

Ion Ratio Lower Upper

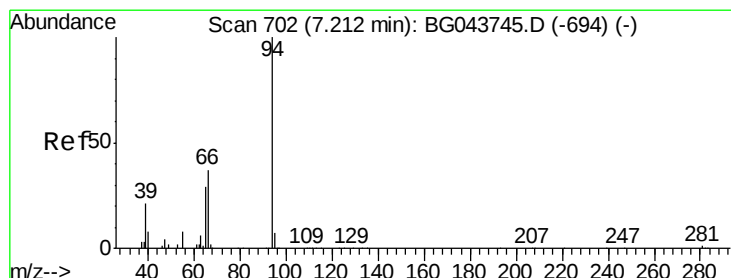
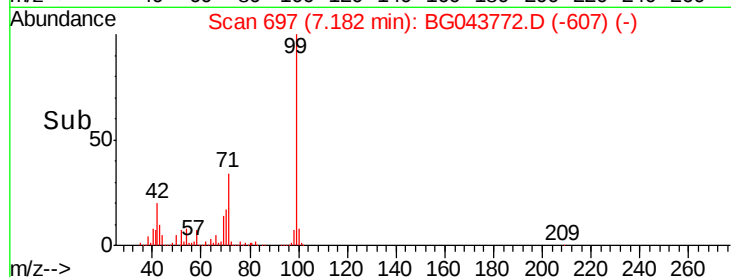
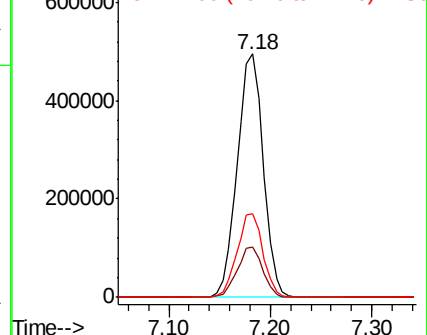
99 100

42 20.5 17.4 26.0

71 34.3 29.5 44.3



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



#10

Phenol

Concen: 3.989 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG043772.D

Acq: 25 Nov 2019 16:56

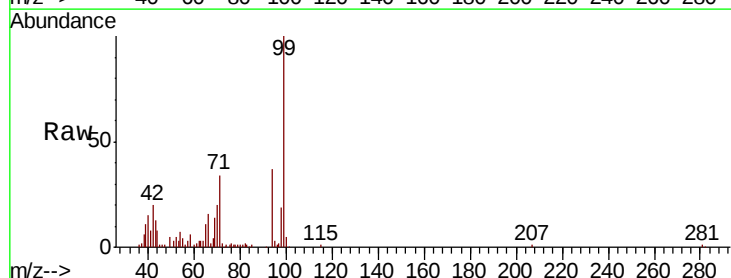
Tgt Ion: 94 Resp: 21733

Ion Ratio Lower Upper

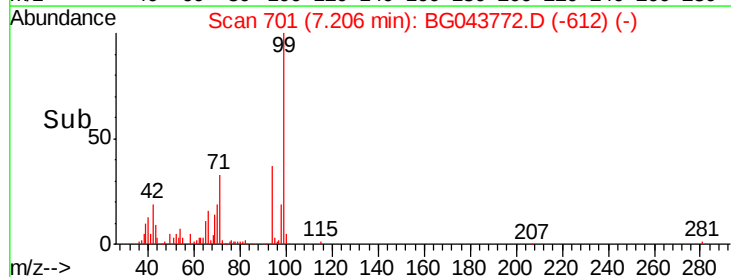
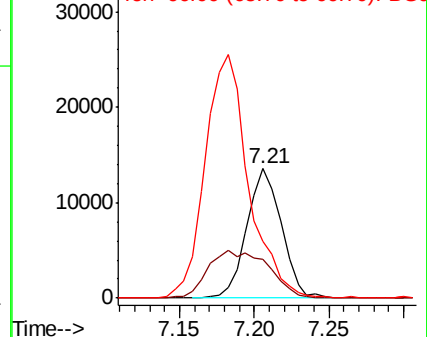
94 100

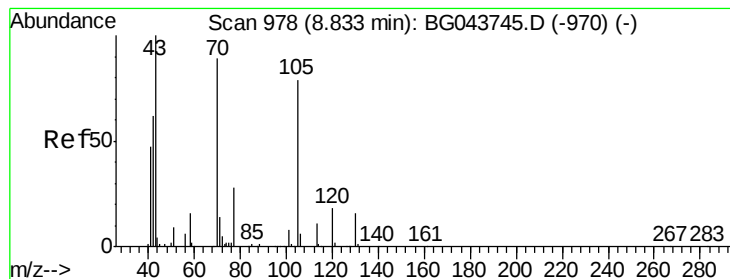
65 29.5 10.3 50.3

66 43.9 20.5 60.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.057 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG043772.D

Acq: 25 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

OK-01-112119

Tot Ion: 70 Resp: 67019

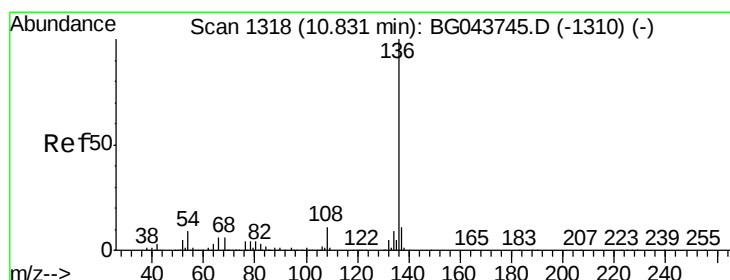
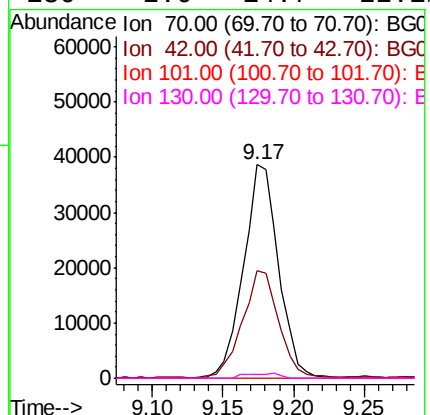
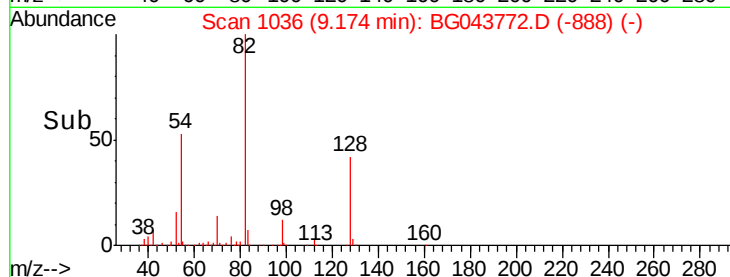
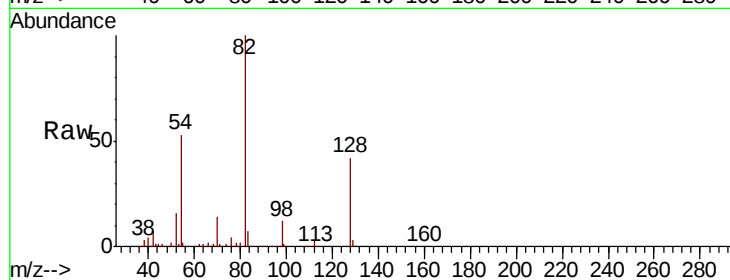
Ion Ratio Lower Upper

70 100

42 50.4 56.4 84.6#

101 0.0 6.7 10.1#

130 2.0 14.7 22.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BG043772.D

Acq: 25 Nov 2019 16:56

Tgt Ion: 136 Resp: 315250

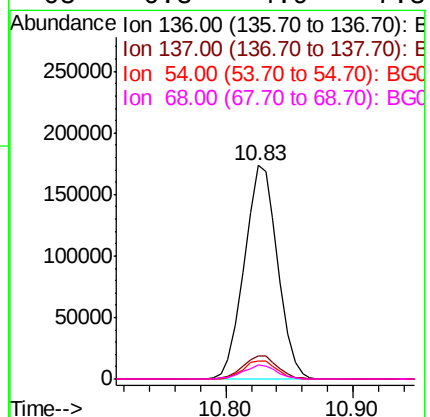
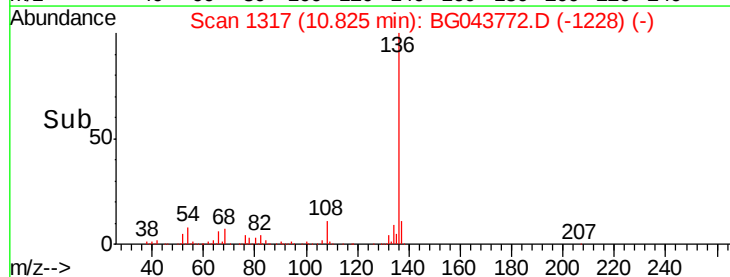
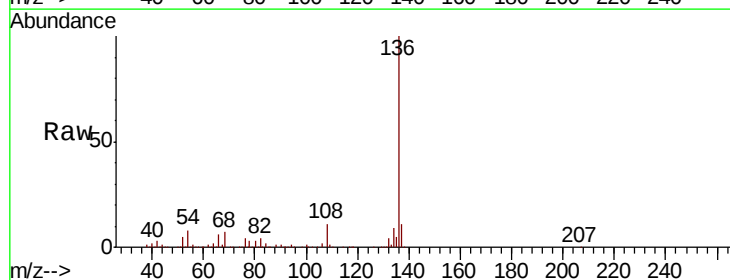
Ion Ratio Lower Upper

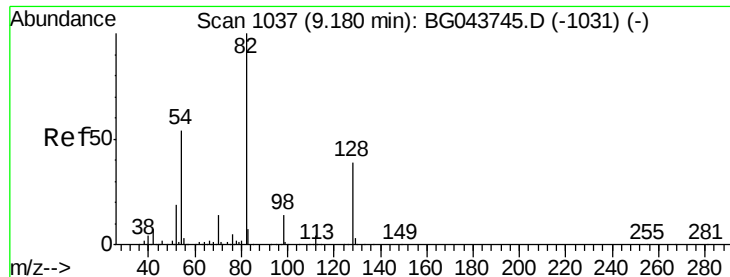
136 100

137 10.7 8.8 13.2

54 8.2 7.5 11.3

68 6.8 4.9 7.3

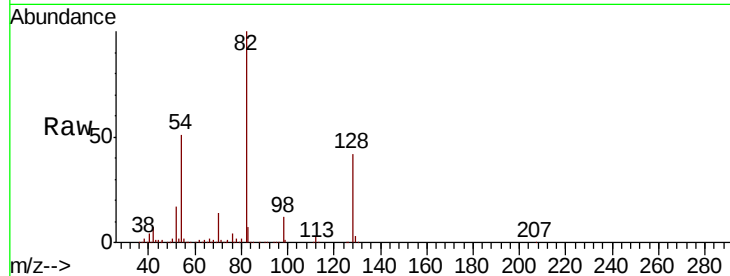




#23
 Nitrobenzene-d5
 Concen: 87.395 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BG043772.D
 Acq: 25 Nov 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-112119

Tot Ion	82.00 (81.70 to 82.70): BGC	Resp	501091
Ion	Ratio	Lower	Upper
82	100		
128	41.7	31.3	46.9
54	50.8	42.7	64.1

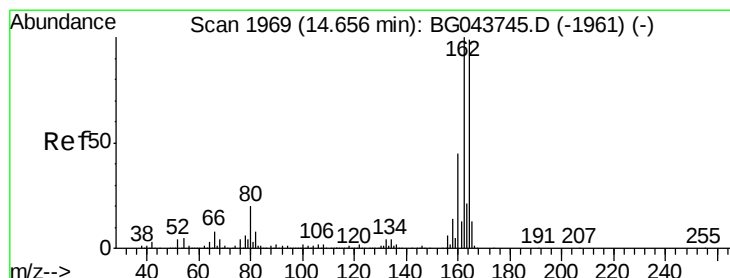
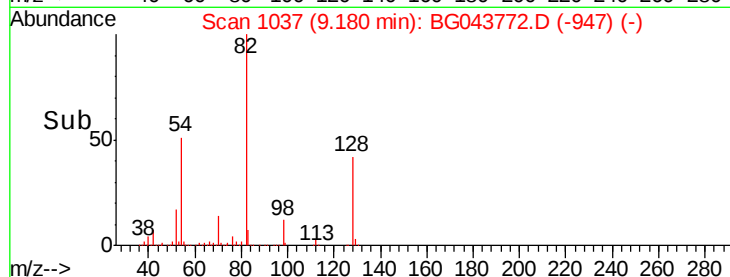
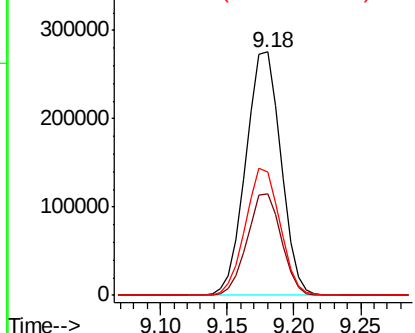


Abundance

Ion 82.00 (81.70 to 82.70): BGC

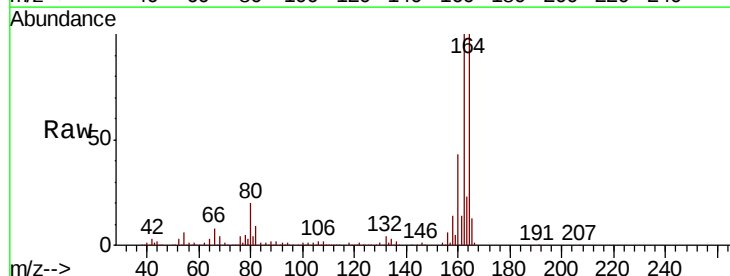
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BG043772.D
 Acq: 25 Nov 2019 16:56

Tgt Ion	164.00 (163.70 to 164.70): BGC	Resp	259848
Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	121.0
160	43.7	36.3	54.5

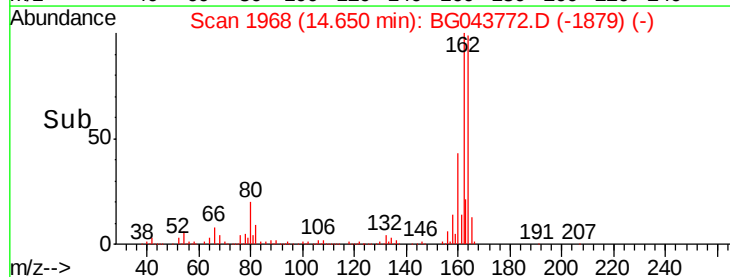
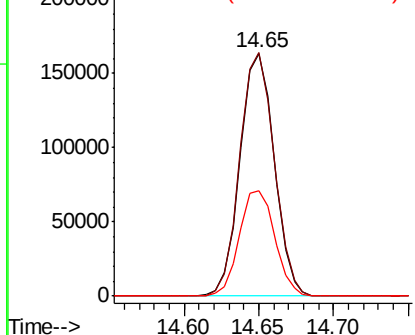


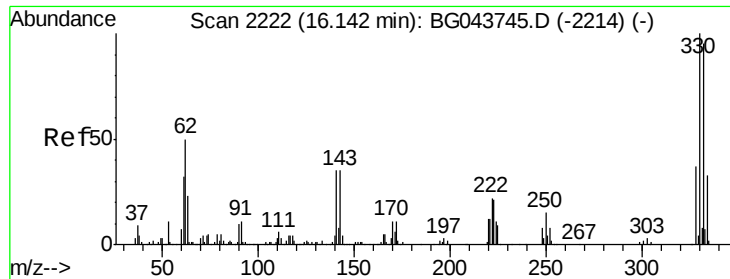
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

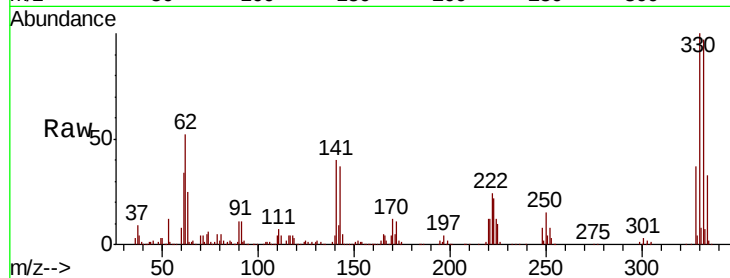




#42
 2,4,6-Tribromophenol
 Concen: 149.118 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043772.D
 Acq: 25 Nov 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-112119

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	41.7	31.4	47.2

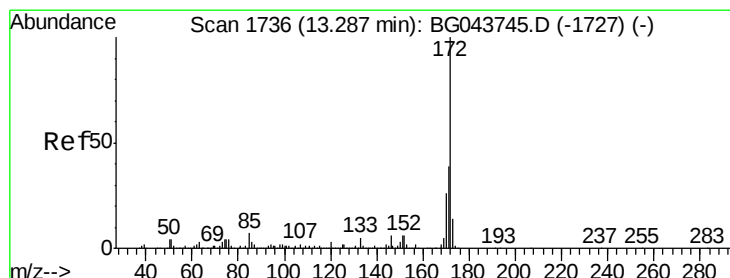
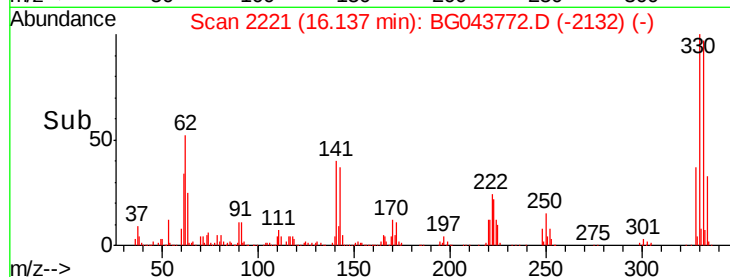
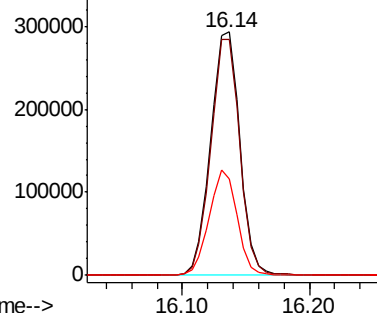


Abundance

Ion 329.80 (329.50 to 330.50): E

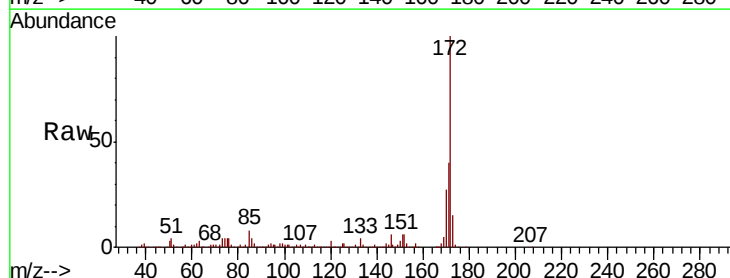
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 79.927 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG043772.D
 Acq: 25 Nov 2019 16:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.4	31.0	46.6
170	27.4	21.0	31.4

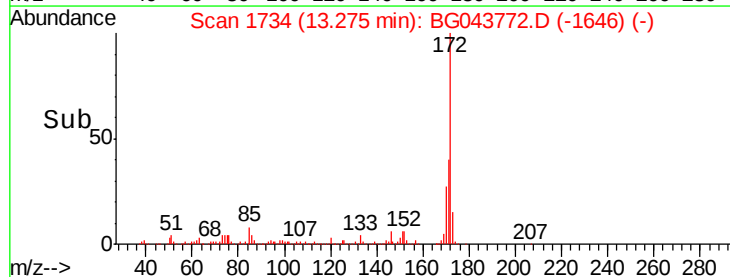
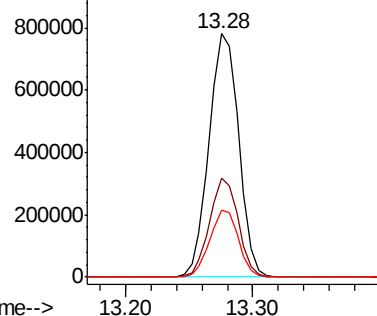


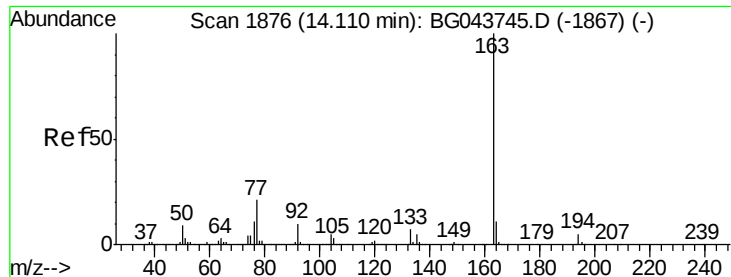
Abundance

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

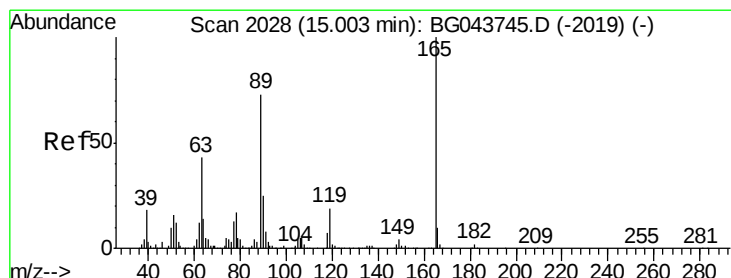
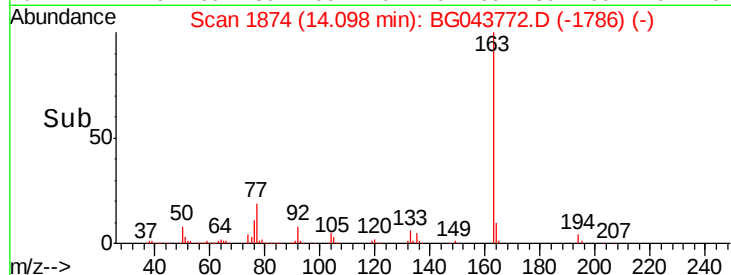
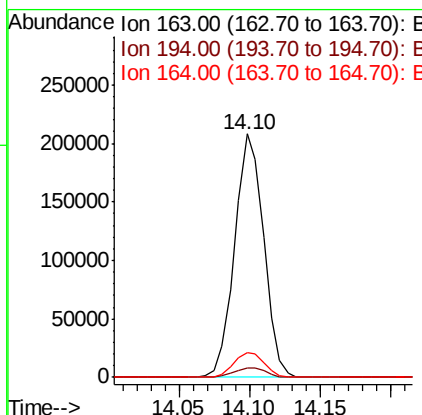
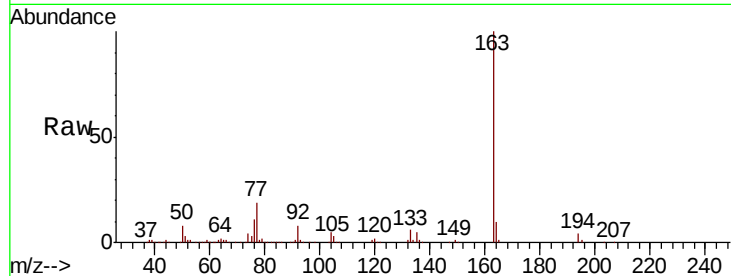




#50
Dimethylphthalate
Concen: 14.495 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043772.D
Acq: 25 Nov 2019 16:56

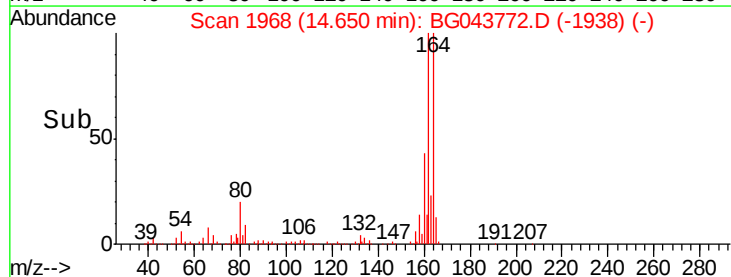
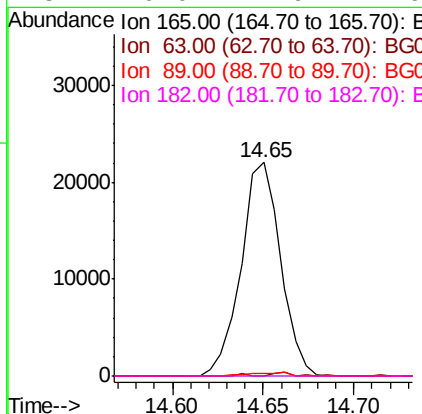
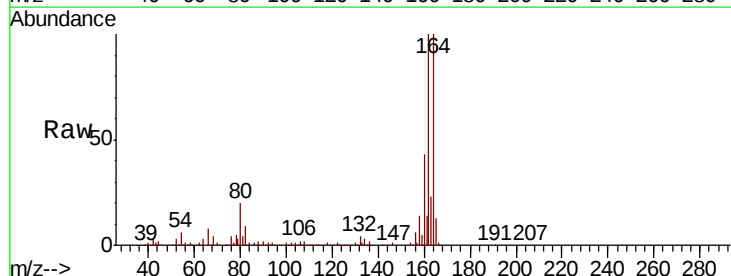
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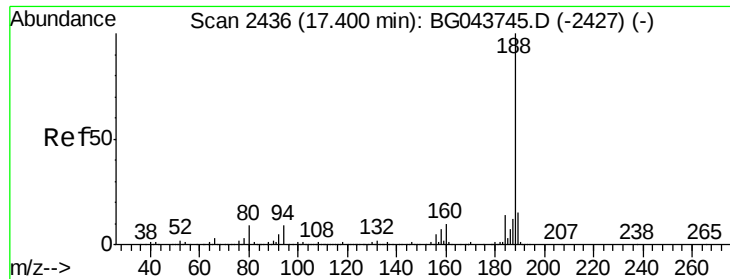
Tot Ion:163 Resp: 298359
Ion Ratio Lower Upper
163 100
194 4.1 3.7 5.5
164 10.4 8.7 13.1



#57
2,4-Dinitrotoluene
Concen: 6.289 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.35 min
Lab File: BG043772.D
Acq: 25 Nov 2019 16:56

Tgt Ion:165 Resp: 33339
Ion Ratio Lower Upper
165 100
63 0.0 34.6 51.8#
89 1.3 58.3 87.5#
182 0.0 1.9 2.9#

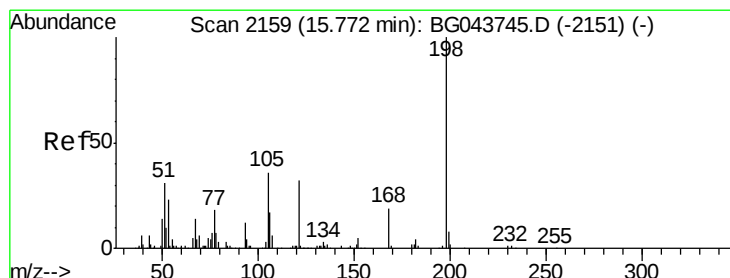
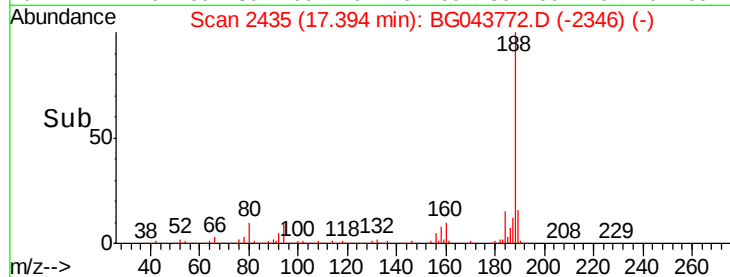
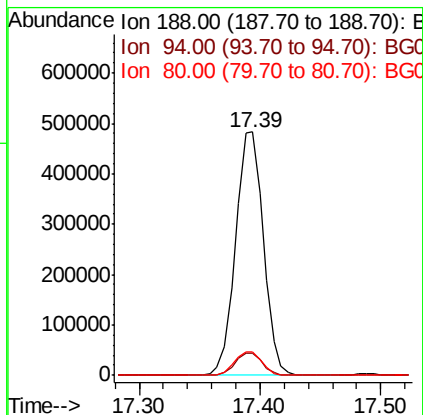
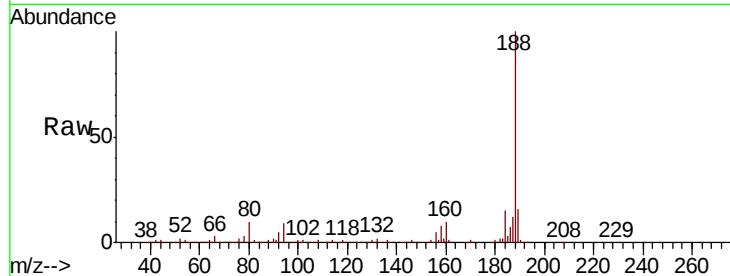




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043772.D
 Acq: 25 Nov 2019 16:56

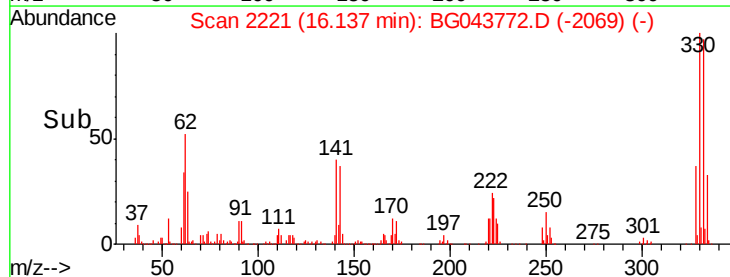
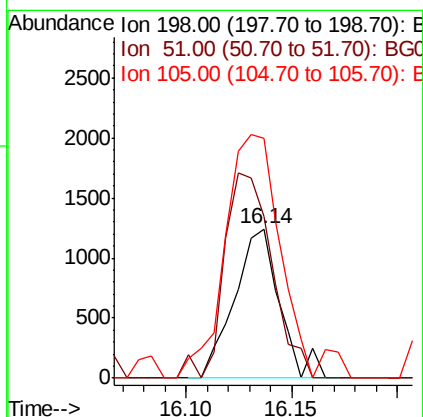
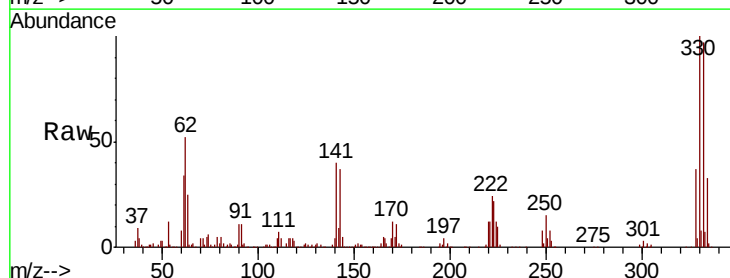
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-112119

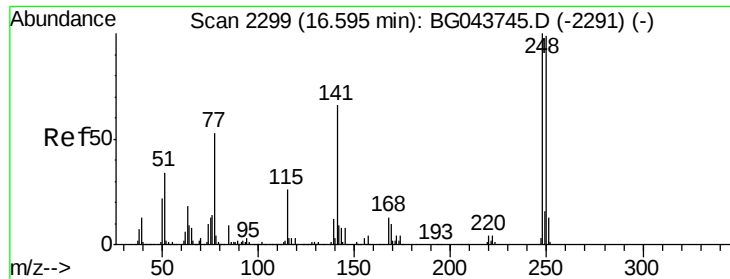
Tot Ion:188 Resp: 775716
 Ion Ratio Lower Upper
 188 100
 94 9.0 6.9 10.3
 80 9.8 7.5 11.3



#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.830 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. 0.36 min
 Lab File: BG043772.D
 Acq: 25 Nov 2019 16:56

Tgt Ion:198 Resp: 1844
 Ion Ratio Lower Upper
 198 100
 51 108.3 16.8 56.8#
 105 160.6 17.3 57.3#

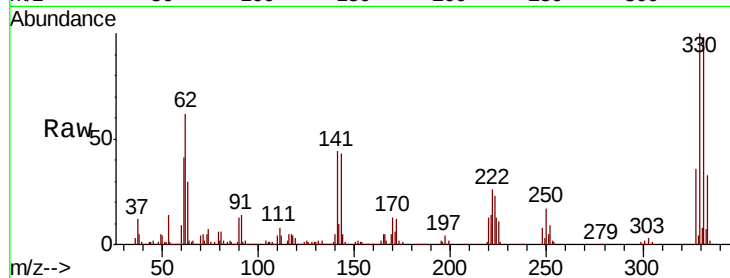




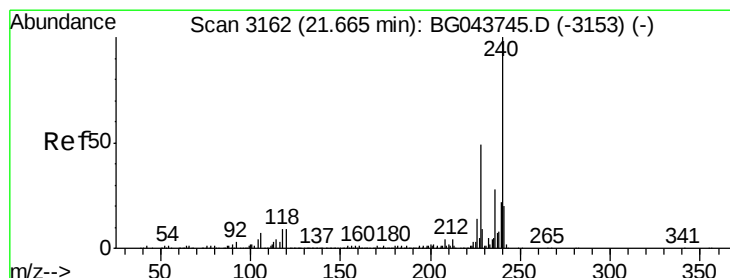
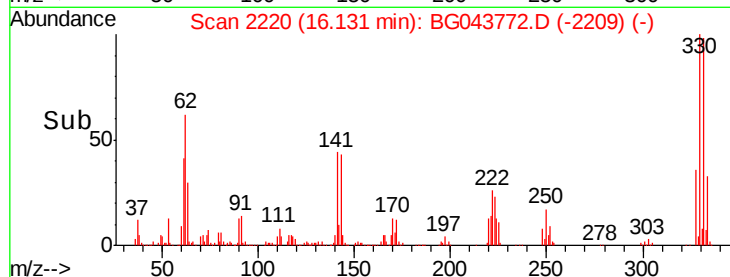
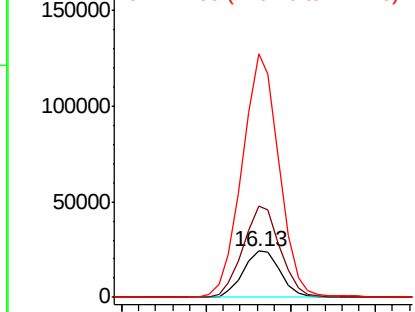
#67
4-Bromophenyl-phenylether
Concen: 4.485 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.46 min
Lab File: BG043772.D
Acq: 25 Nov 2019 16:56

Instrument :
BNA_G
ClientSampleId :
OK-01-112119

Tot Ion:248 Resp: 36686
Ion Ratio Lower Upper
248 100
250 199.7 79.3 118.9#
141 529.5 53.0 79.6#

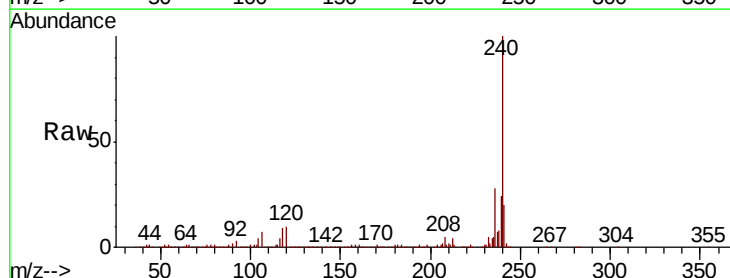


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

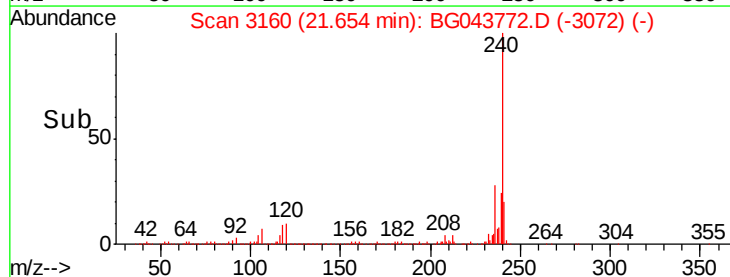
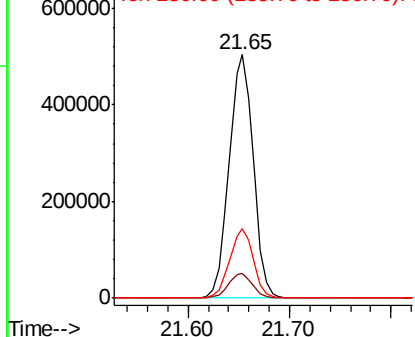


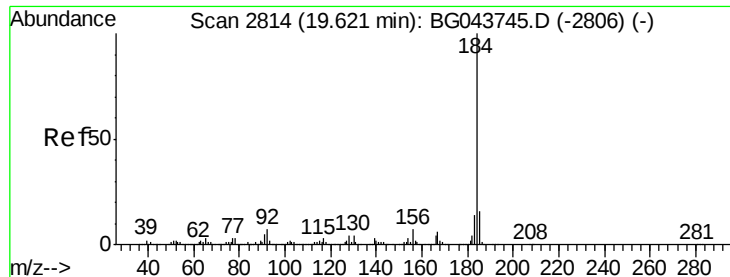
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BG043772.D
Acq: 25 Nov 2019 16:56

Tgt Ion:240 Resp: 827648
Ion Ratio Lower Upper
240 100
120 10.2 7.5 11.3
236 28.3 22.6 34.0



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: 3.271 ng

RT: 19.61 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG043772.D

Acq: 25 Nov 2019 16:56

Instrument :

BNA_G

ClientSampleId :

OK-01-112119

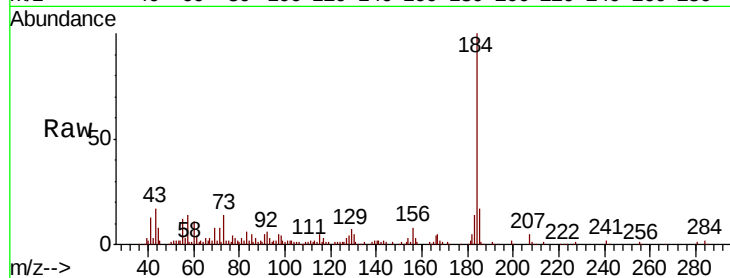
Tot Ion:184 Resp: 79087

Ion Ratio Lower Upper

184 100

185 17.4 12.8 19.2

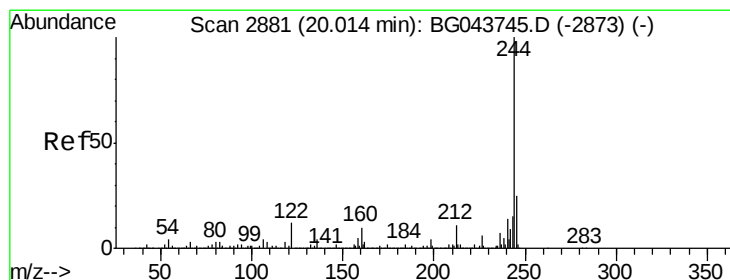
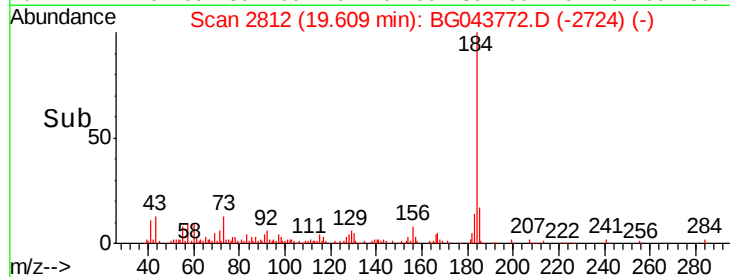
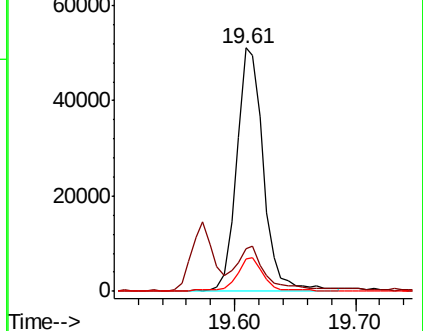
183 13.5 11.3 16.9



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: 78.887 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG043772.D

Acq: 25 Nov 2019 16:56

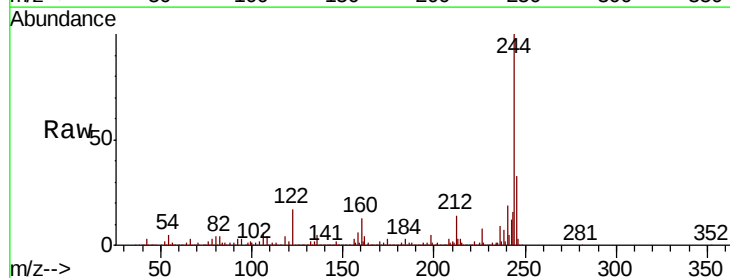
Tgt Ion:244 Resp: 2889445

Ion Ratio Lower Upper

244 100

212 14.0 8.5 12.7#

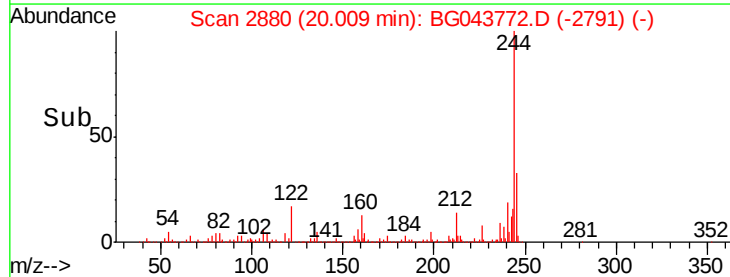
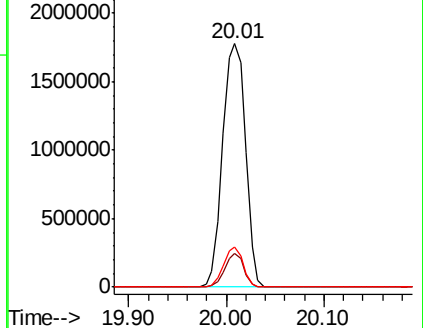
122 16.7 9.5 14.3#

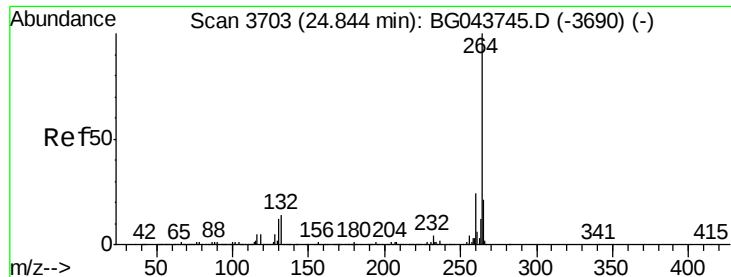


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.83 min Scan# 3701
Delta R.T. -0.01 min
Lab File: BG043772.D
Acq: 25 Nov 2019 16:56

Instrument :
BNA_G
ClientSampleId :
OK-01-112119

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.4	29.2
265	21.8	17.0	25.6

