

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101719\
 Data File : BG043271.D
 Acq On : 17 Oct 2019 20:56
 Operator : JU
 Sample : K5266-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AMENDED-COMPOSITE-A

Quant Time: Oct 18 01:42:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

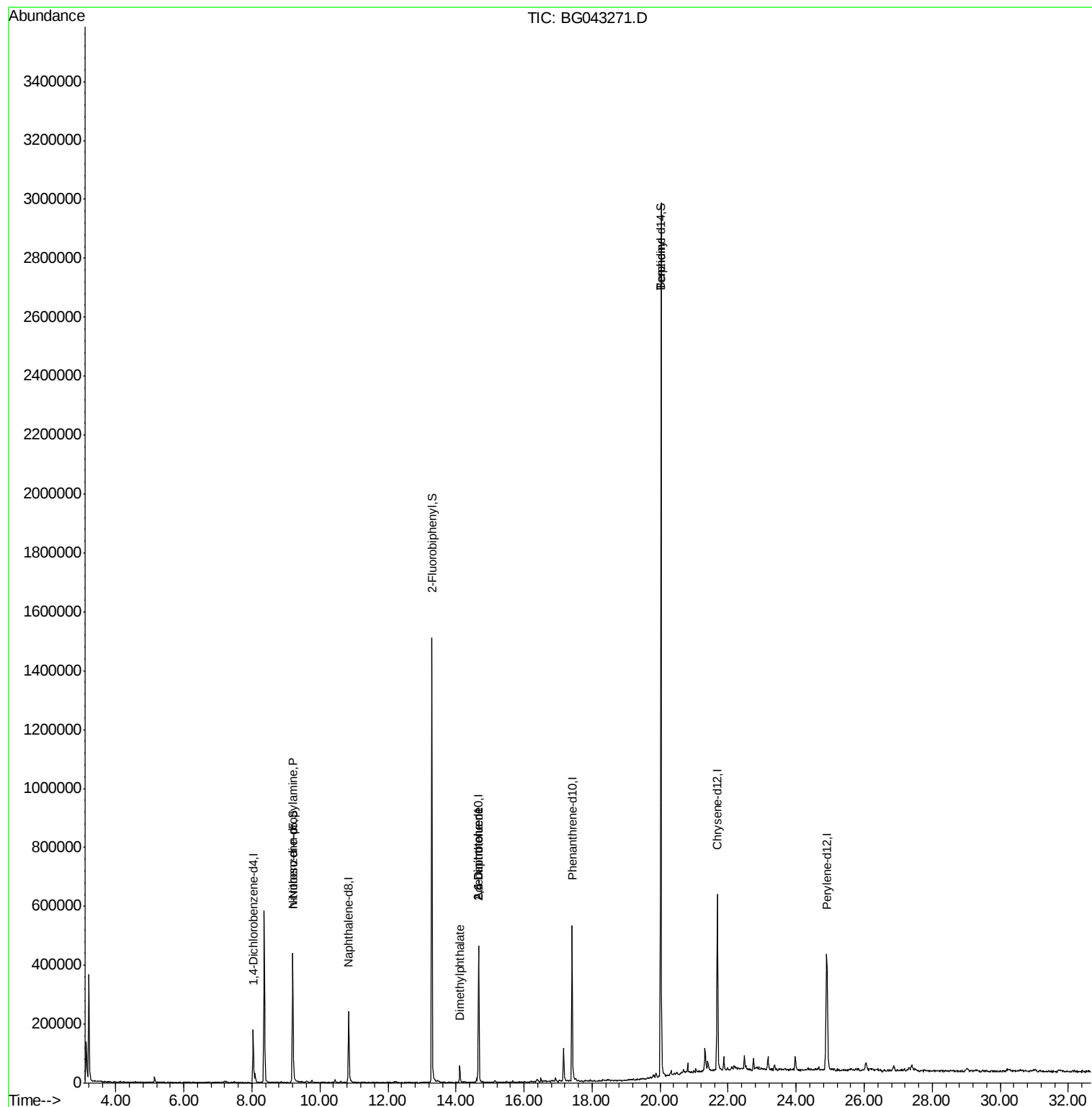
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	58816	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	240568	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	170942	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	374767	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	400307	20.00	ng	-0.01
87) Perylene-d12	24.89	264	475247	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.21	99	1544	0.33	ng	-0.02
23) Nitrobenzene-d5	9.20	82	297384	60.08	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	964	0.33	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	851509	72.21	ng	-0.02
79) Terphenyl-d14	20.02	244	1521634	81.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	41884	13.440	ng	Qvalue # 69
50) Dimethylphthalate	14.11	163	42838	3.345	ng	99
51) 2,6-Dinitrotoluene	14.66	165	22972	8.422	ng	# 22
57) 2,4-Dinitrotoluene	14.66	165	22972	5.751	ng	# 26
77) Benzidine	20.02	184	22811	2.276	ng	96

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

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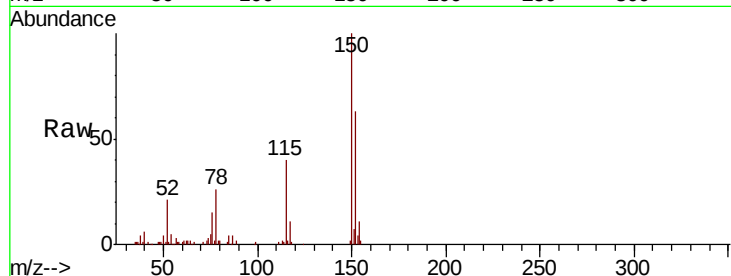


#1

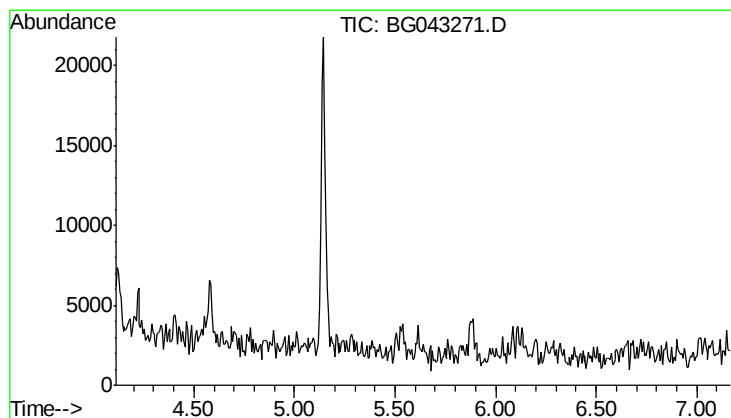
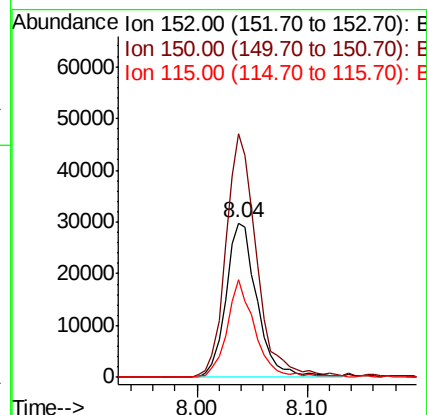
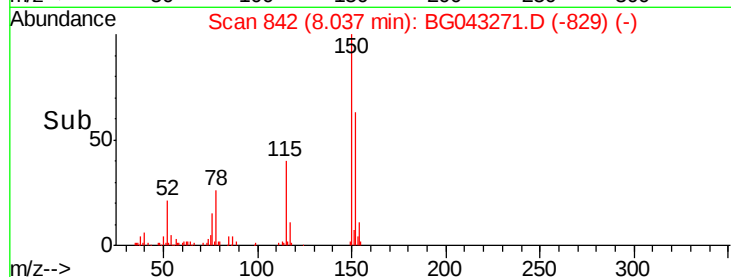
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.02 min
Lab File: BG043271.D
Acq: 17 Oct 2019 20:56

Instrument :
BNA_G
ClientSampleId :
AMENDED-COMPOSITE-A

Tot Ion:152 Resp: 58816
Ion Ratio Lower Upper
152 100
150 157.8 115.0 172.4
115 63.4 47.0 70.6



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

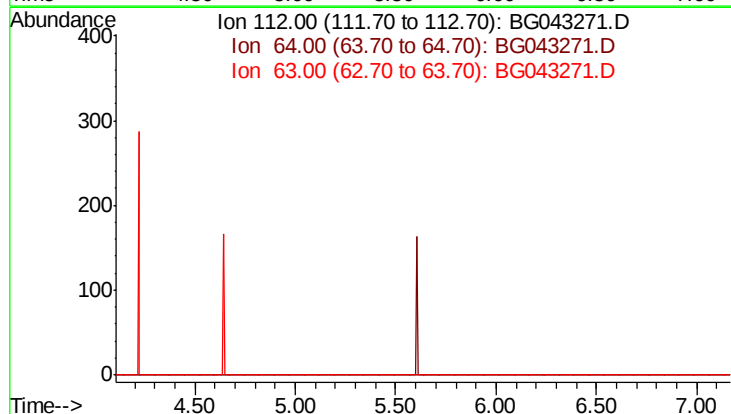


#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.64 min

Lab File: BG043271.D
Acq: 17 Oct 2019 20:56

Tgt Ion: 112
Sig Exp Ratio
112 100
64 70.7
63 43.9





#7

Phenol-d6

Concen: 0.325 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG043271.D

Acq: 17 Oct 2019 20:56

Instrument :

BNA_G

ClientSampleId :

AMENDED-COMPOSITE-A

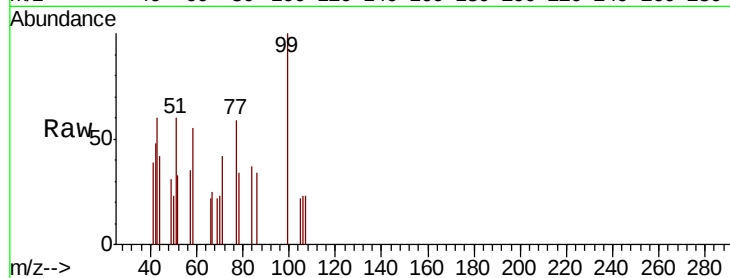
Tot Ion: 99 Resp: 1544

Ion Ratio Lower Upper

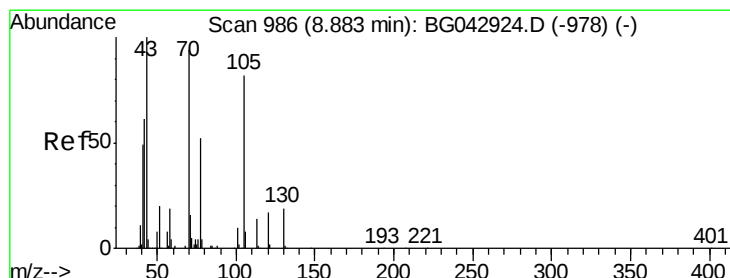
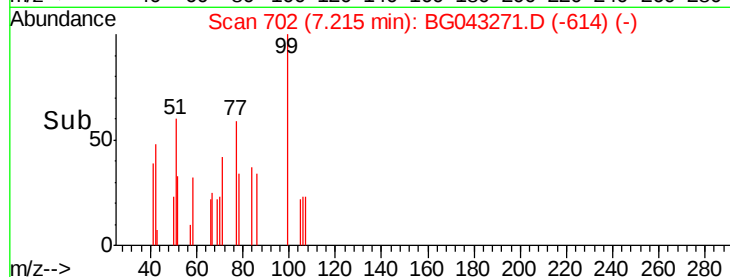
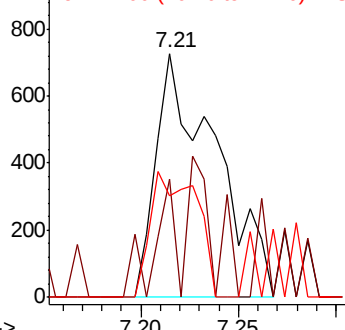
99 100

42 48.5 17.2 25.8#

71 41.9 33.1 49.7



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: 13.440 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG043271.D

Acq: 17 Oct 2019 20:56

Tgt Ion: 70 Resp: 41884

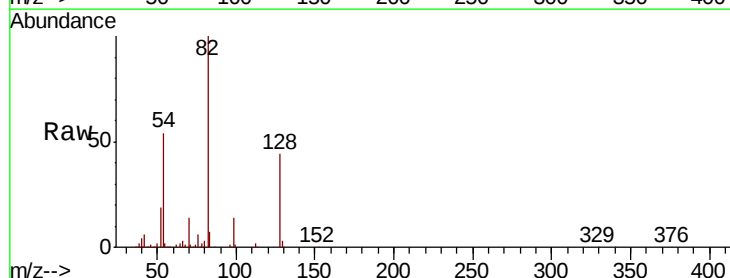
Ion Ratio Lower Upper

70 100

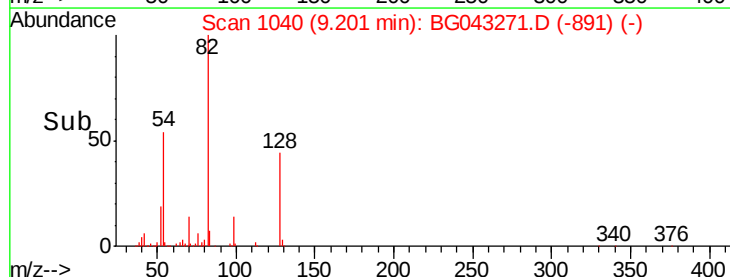
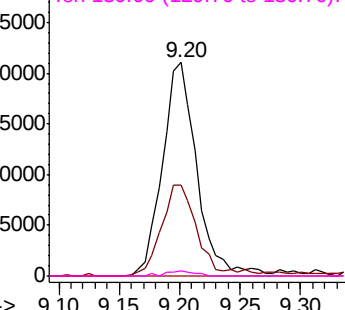
42 42.4 52.6 79.0#

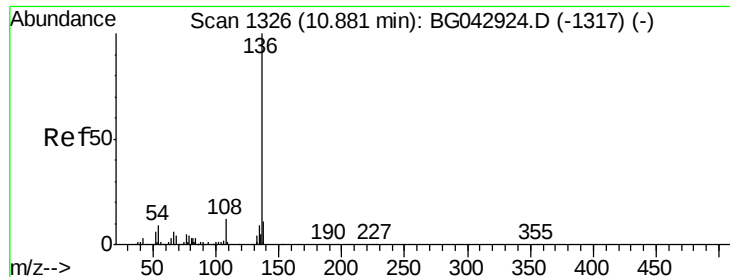
101 0.0 8.7 13.1#

130 2.2 15.8 23.8#



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

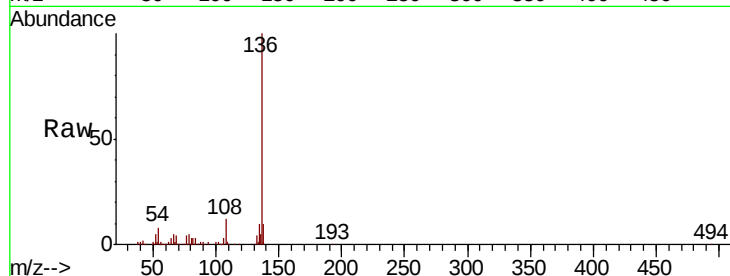




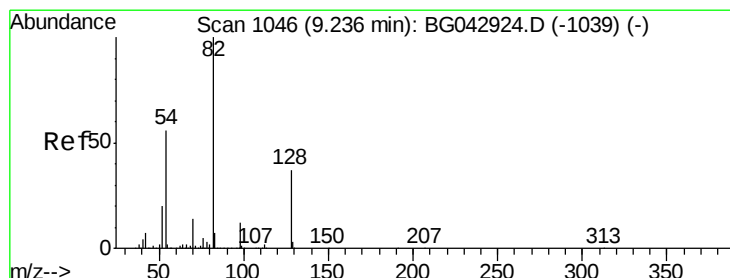
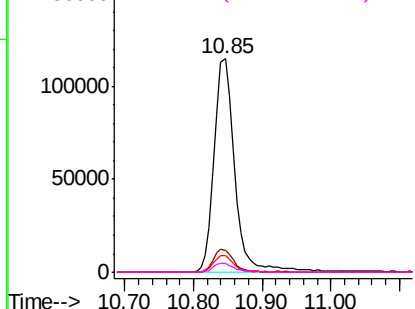
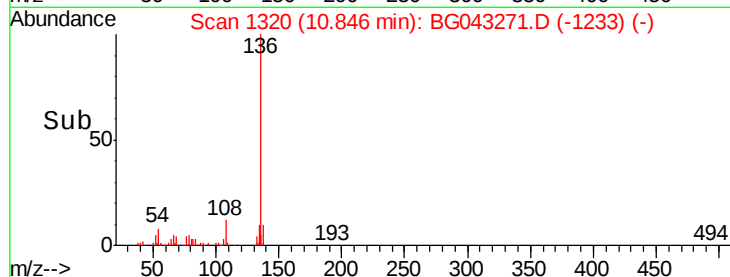
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043271.D
Acq: 17 Oct 2019 20:56

Instrument :
BNA_G
ClientSampleId :
AMENDED-COMPOSITE-A

Tot Ion:136	Resp: 240568
Ion Ratio	Lower Upper
136 100	
137 10.4	8.5 12.7
54 7.7	7.4 11.2
68 4.3	3.6 5.4

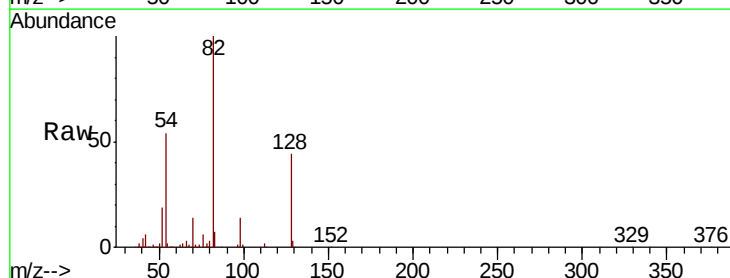


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

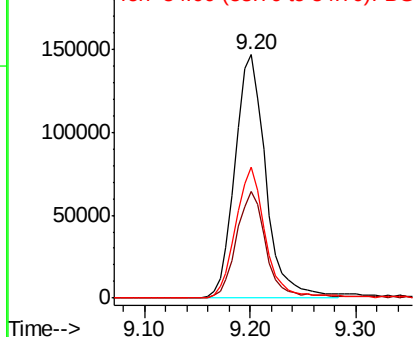
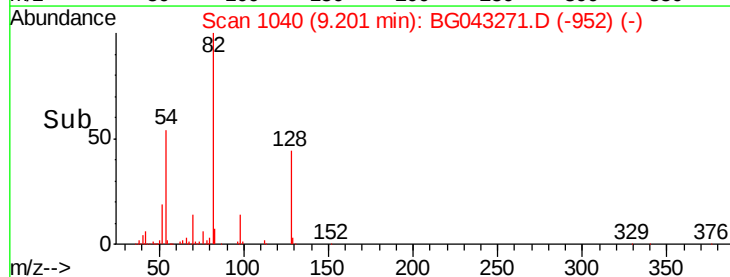


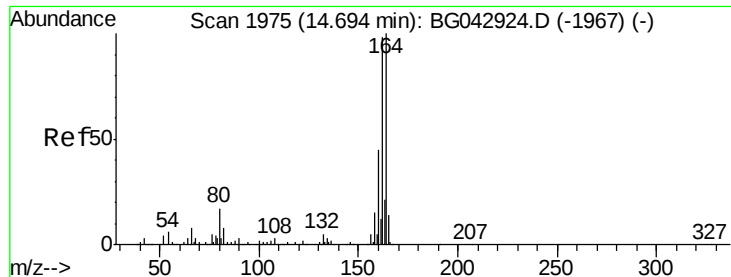
#23
Nitrobenzene-d5
Concen: 60.084 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG043271.D
Acq: 17 Oct 2019 20:56

Tgt Ion: 82	Resp: 297384
Ion Ratio	Lower Upper
82 100	
128 44.0	29.5 44.3
54 53.7	44.6 67.0



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: 14.66 min Scan# 1970

Delta R.T. -0.02 min

Lab File: BG043271.D

Acq: 17 Oct 2019 20:56

Instrument :

BNA_G

ClientSampleId :

AMENDED-COMPOSITE-A

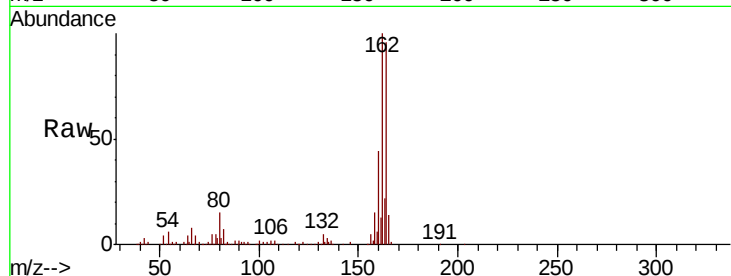
Tot Ion:164 Resp: 170942

Ion Ratio Lower Upper

164 100

162 103.9 78.5 117.7

160 46.0 35.9 53.9

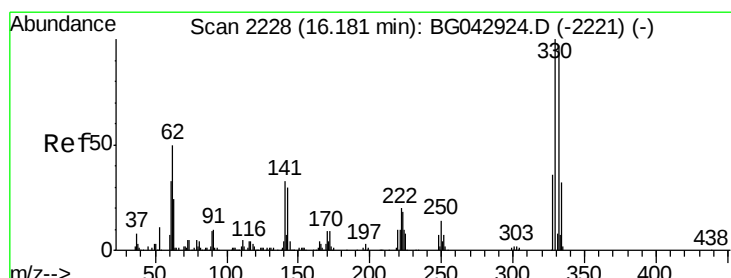
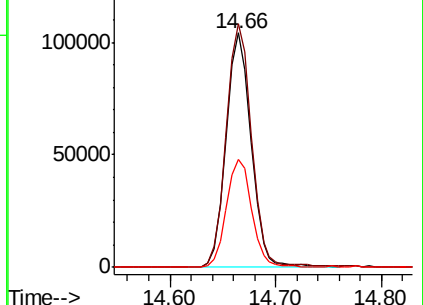
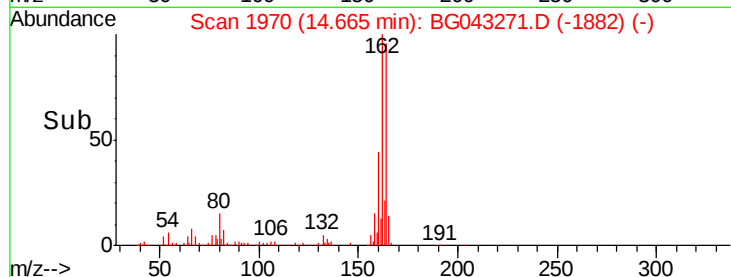


Abundance

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: 0.328 ng

RT: 16.17 min Scan# 2227

Delta R.T. 0.01 min

Lab File: BG043271.D

Acq: 17 Oct 2019 20:56

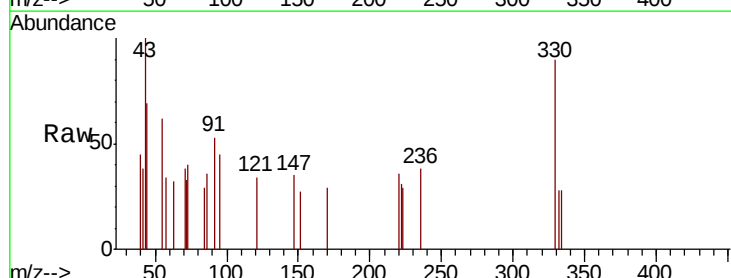
Tgt Ion:330 Resp: 964

Ion Ratio Lower Upper

330 100

332 55.6 78.2 117.2#

141 0.0 26.0 39.0#

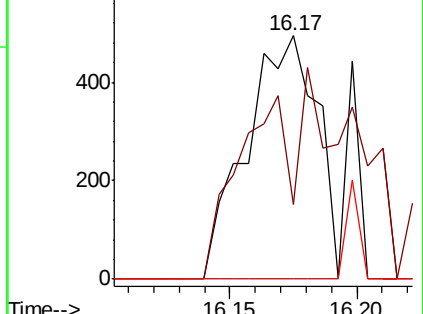
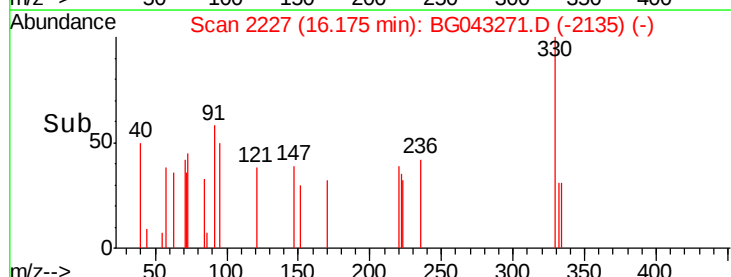


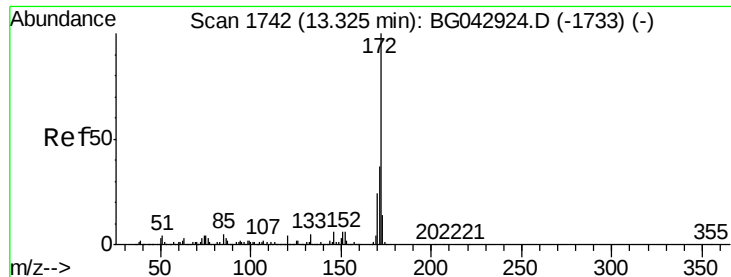
Abundance

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

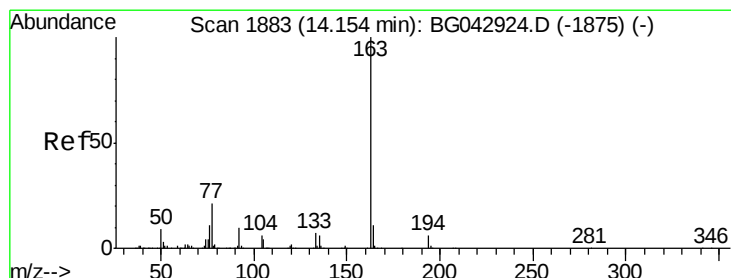
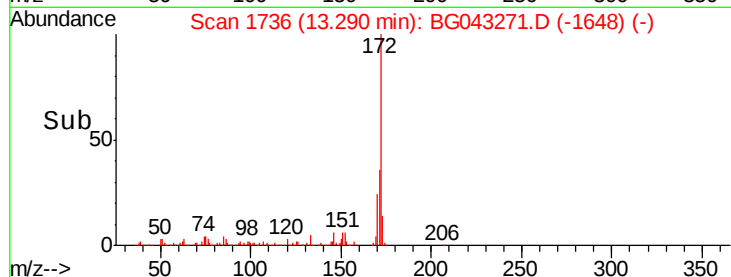
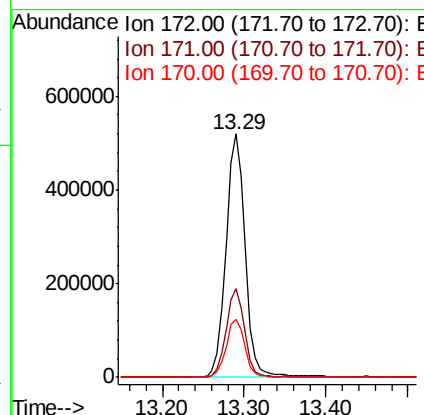
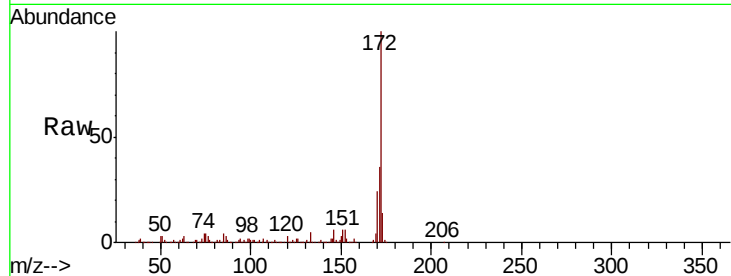




#45
2-Fluorobiphenyl
Concen: 72.213 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.02 min
Lab File: BG043271.D
Acq: 17 Oct 2019 20:56

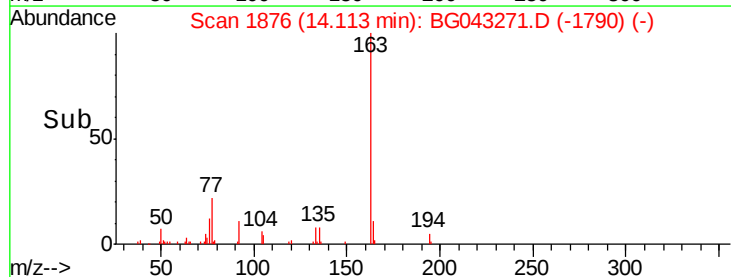
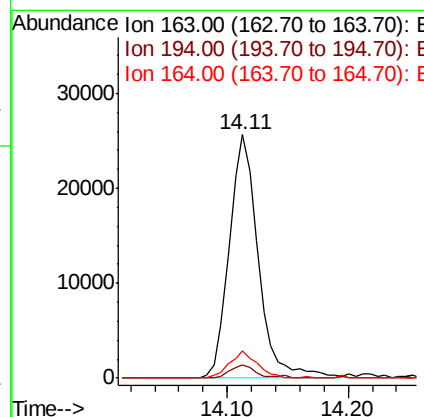
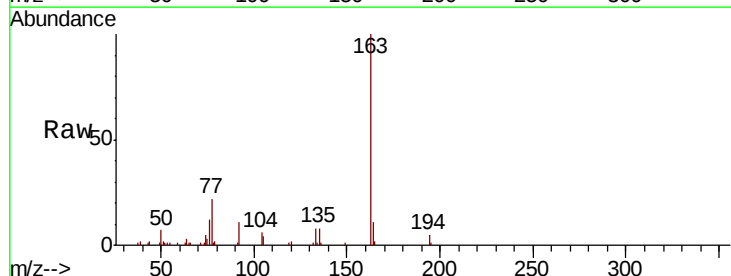
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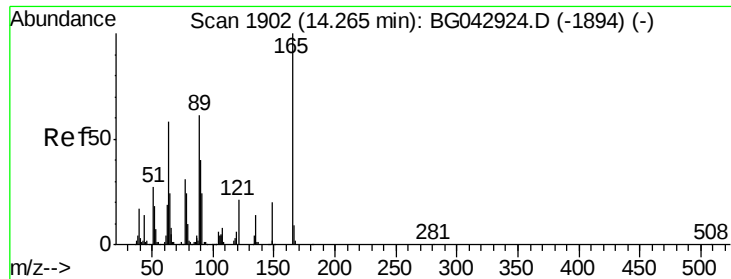
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.6	19.6	29.4



#50
Dimethylphthalate
Concen: 3.345 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG043271.D
Acq: 17 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	4.4	6.6
164	11.4	8.6	12.8

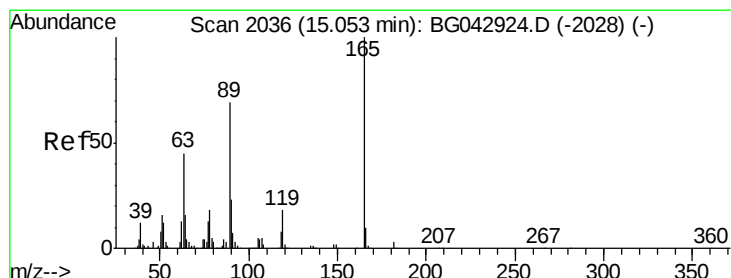
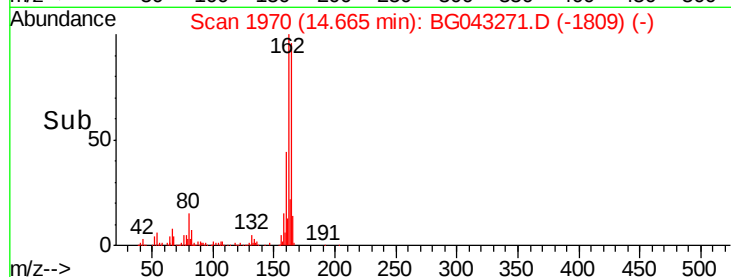
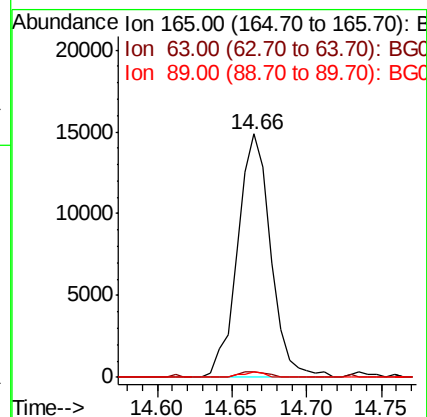
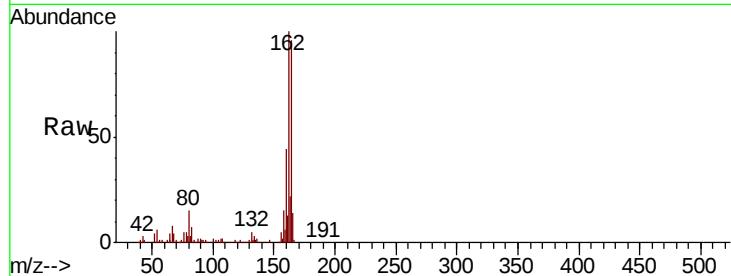




#51
 2,6-Dinitrotoluene
 Concen: 8.422 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.42 min
 Lab File: BG043271.D
 Acq: 17 Oct 2019 20:56

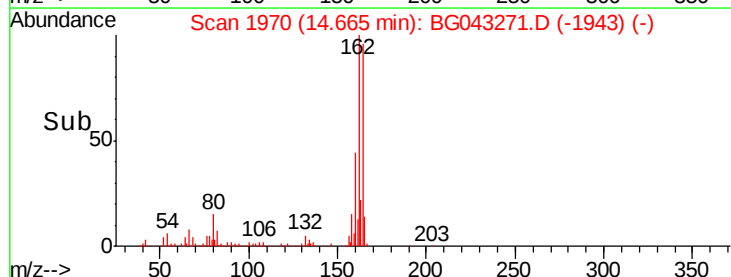
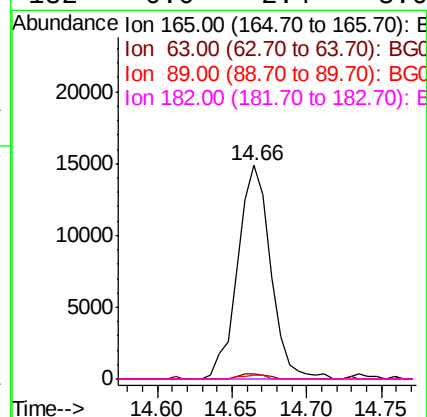
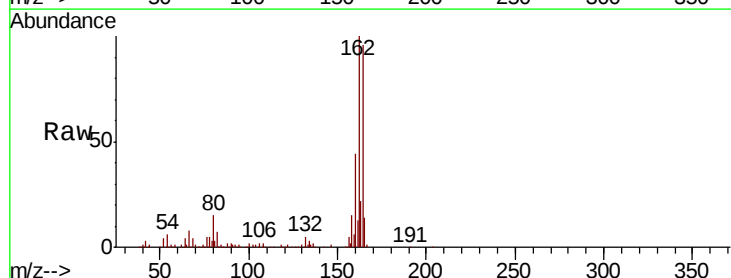
Instrument :
 BNA_G
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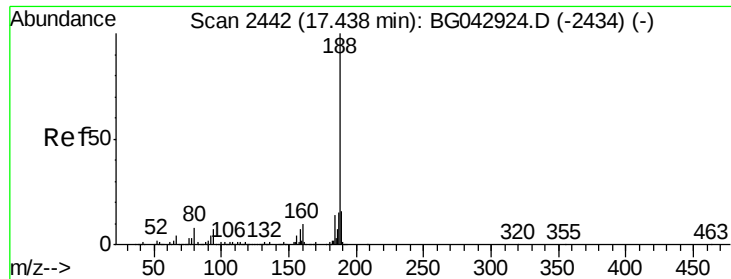
Tot Ion:165 Resp: 22972
 Ion Ratio Lower Upper
 165 100
 63 2.2 50.3 75.5#
 89 2.1 48.9 73.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.751 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.37 min
 Lab File: BG043271.D
 Acq: 17 Oct 2019 20:56

Tgt Ion:165 Resp: 22972
 Ion Ratio Lower Upper
 165 100
 63 2.2 36.5 54.7#
 89 2.1 55.5 83.3#
 182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG043271.D

Acq: 17 Oct 2019 20:56

Instrument :

BNA_G

ClientSampleId :

AMENDED-COMPOSITE-A

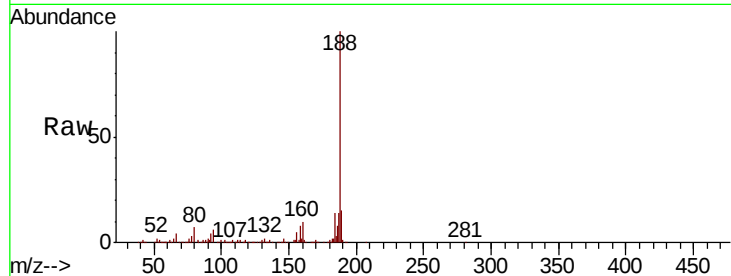
Tot Ion:188 Resp: 374767

Ion Ratio Lower Upper

188 100

94 5.8 5.7 8.5

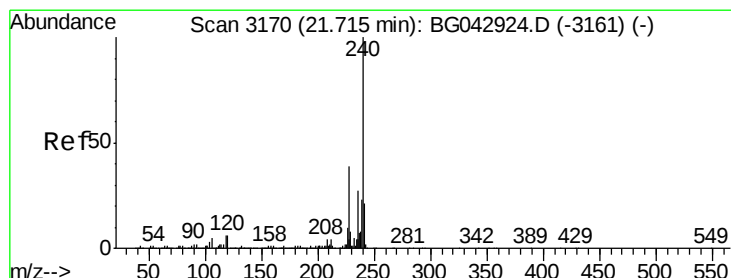
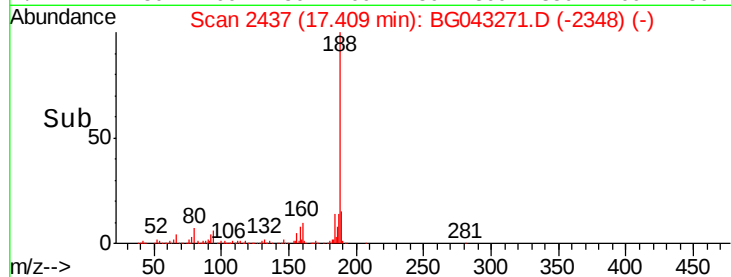
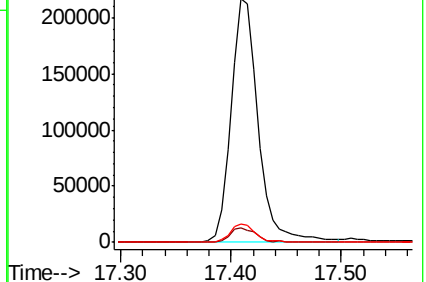
80 7.3 6.5 9.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG043271.D

Acq: 17 Oct 2019 20:56

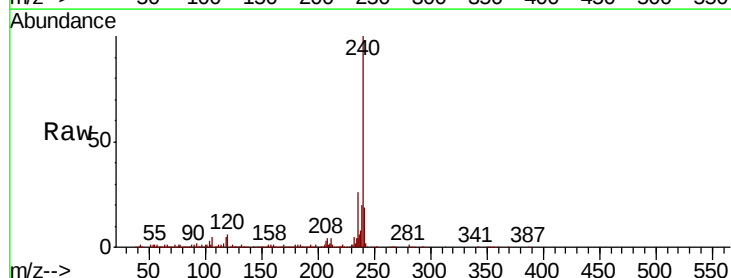
Tgt Ion:240 Resp: 400307

Ion Ratio Lower Upper

240 100

120 5.8 4.8 7.2

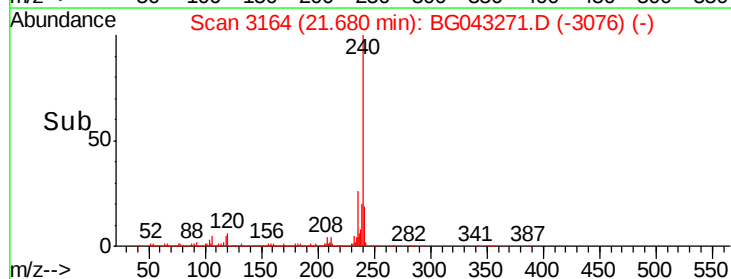
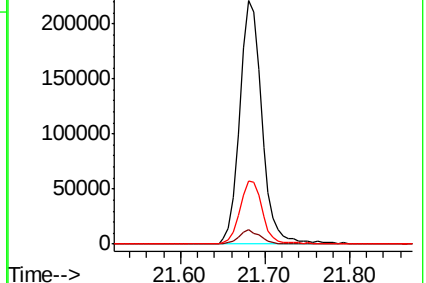
236 26.1 21.4 32.0

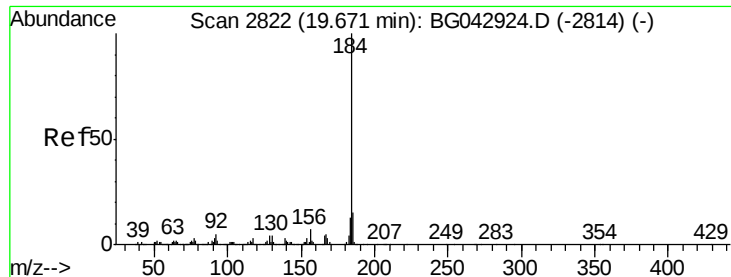


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.276 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.37 min

Lab File: BG043271.D

Acq: 17 Oct 2019 20:56

Instrument :

BNA_G

ClientSampleId :

AMENDED-COMPOSITE-A

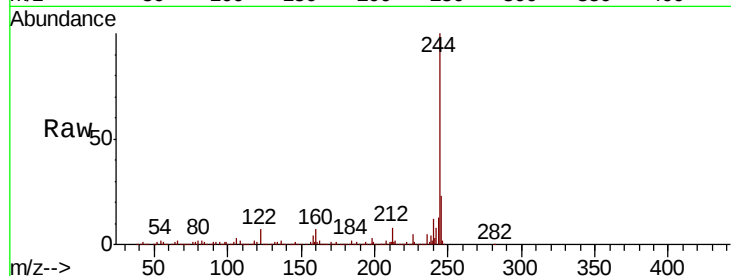
Tot Ion:184 Resp: 22811

Ion Ratio Lower Upper

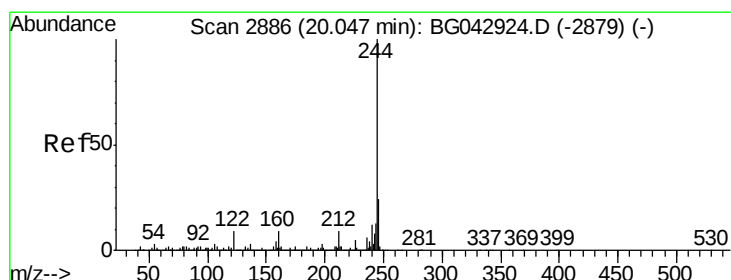
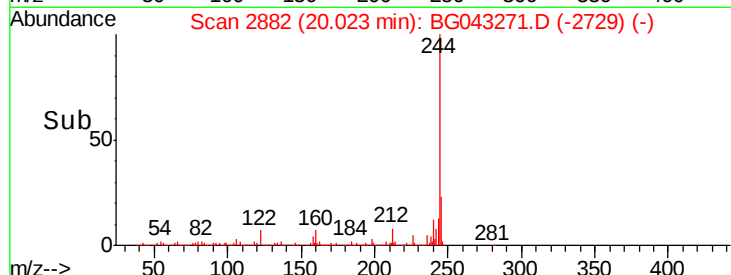
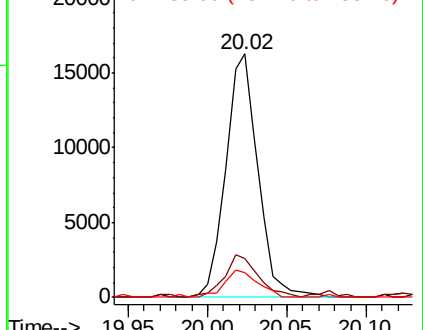
184 100

185 16.0 11.8 17.8

183 10.4 10.1 15.1



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: 80.998 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG043271.D

Acq: 17 Oct 2019 20:56

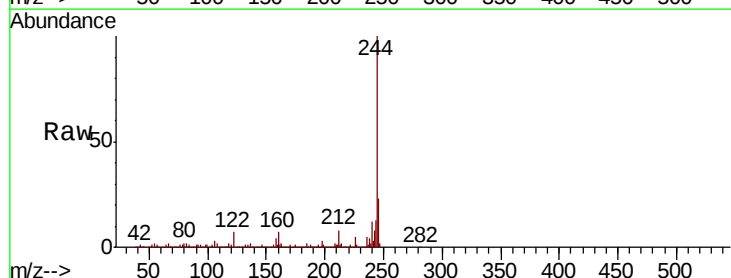
Tgt Ion:244 Resp: 1521634

Ion Ratio Lower Upper

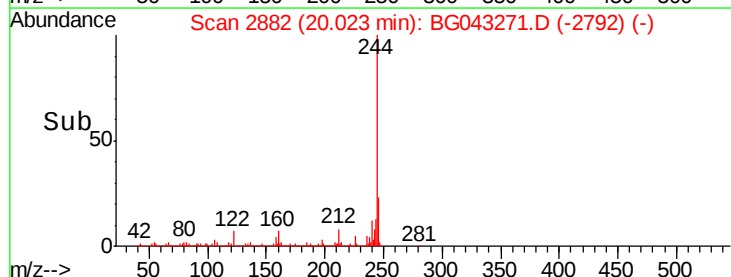
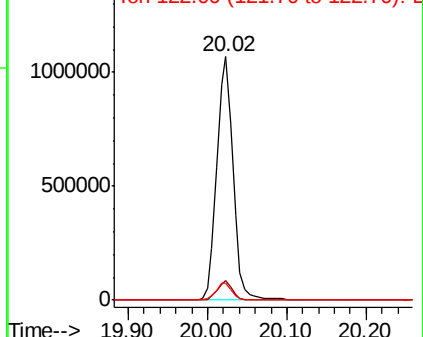
244 100

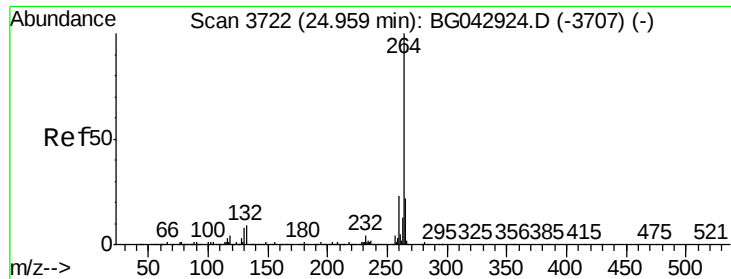
212 7.9 7.4 11.0

122 7.1 7.0 10.4



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

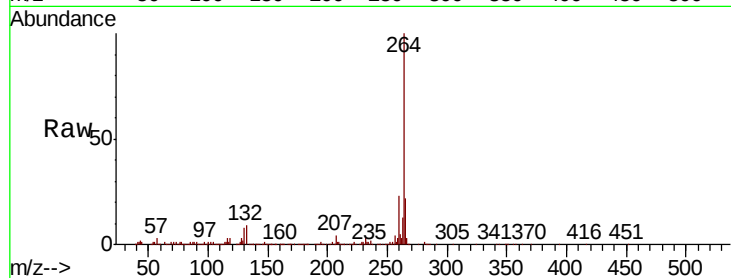




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3711
 Delta R.T. -0.02 min
 Lab File: BG043271.D
 Acq: 17 Oct 2019 20:56

Instrument :
 BNA_G
 ClientSampleId :
 AMENDED-COMPOSITE-A

Tot Ion:	264	Resp:	475247
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	22.2	17.7	26.5



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

