

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091520\
 Data File : BG046631.D
 Acq On : 15 Sep 2020 19:28
 Operator : CG/JU
 Sample : L4005-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 22-31

Quant Time: Sep 16 00:42:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 13:09:36 2020
 Response via : Initial Calibration

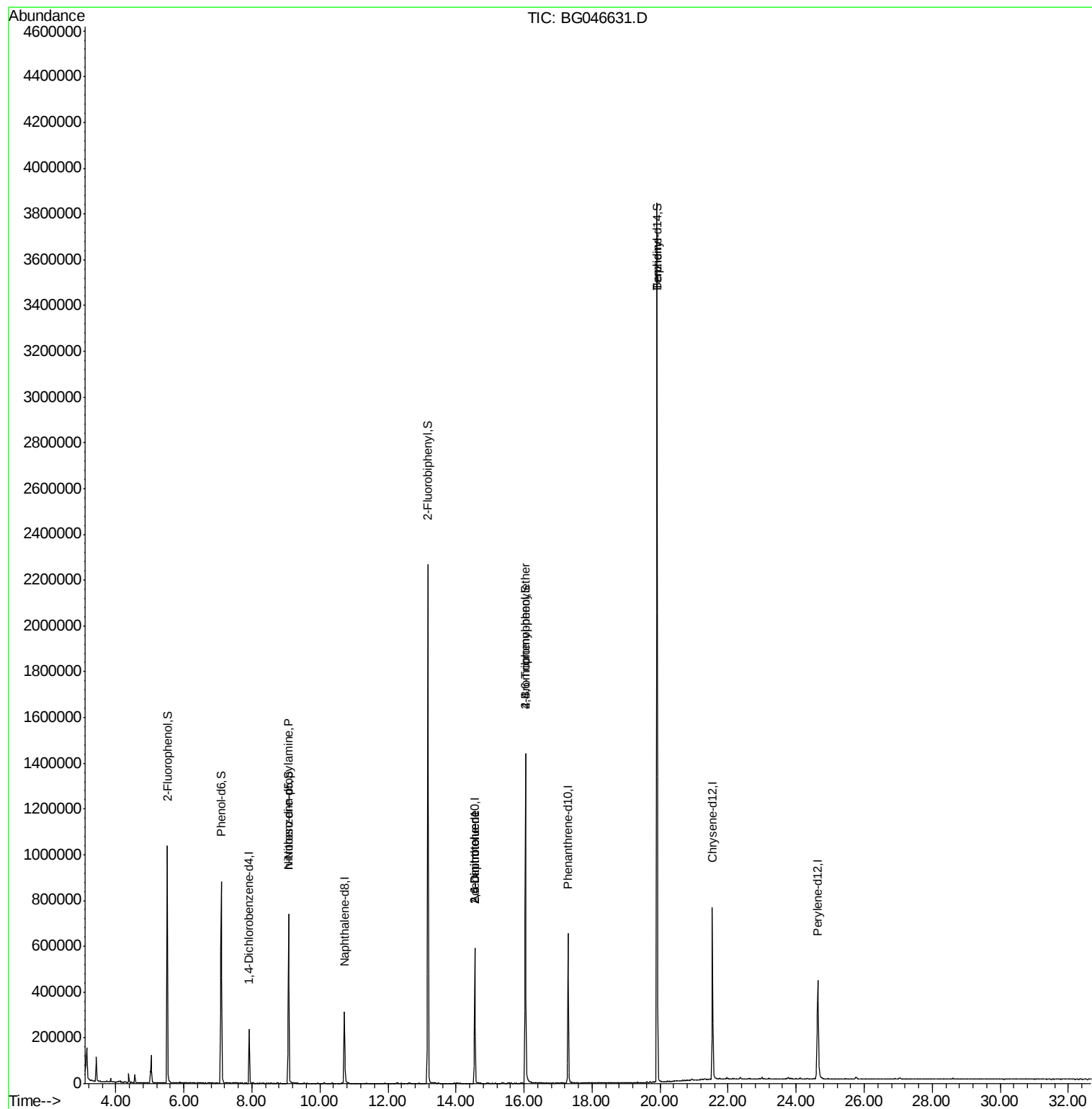
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	75832	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	312932	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	225064	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	472654	20.00	ng	0.00
76) Chrysene-d12	21.54	240	498274	20.00	ng	0.00
86) Perylene-d12	24.64	264	485212	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	484408	113.14	ng	0.00
7) Phenol-d6	7.10	99	576084	94.92	ng	0.00
23) Nitrobenzene-d5	9.08	82	485709	88.71	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	312402	102.45	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1311718	88.97	ng	0.00
79) Terphenyl-d14	19.91	244	1788178	76.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	61314	16.889	ng	# 76
51) 2,6-Dinitrotoluene	14.55	165	30750	8.012	ng	# 34
57) 2,4-Dinitrotoluene	14.55	165	30750	5.619	ng	# 34
67) 4-Bromophenyl-phenylether	16.04	248	24309	4.408	ng	# 1
77) Benzidine	19.91	184	26574	2.295	ng	94

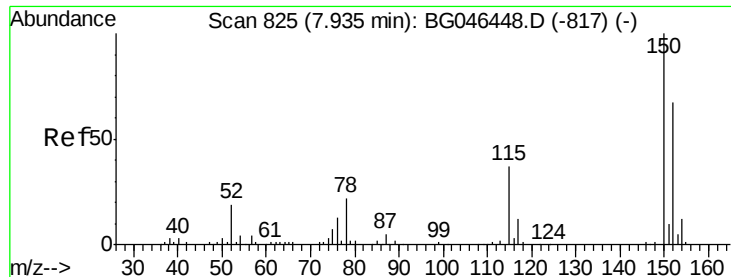
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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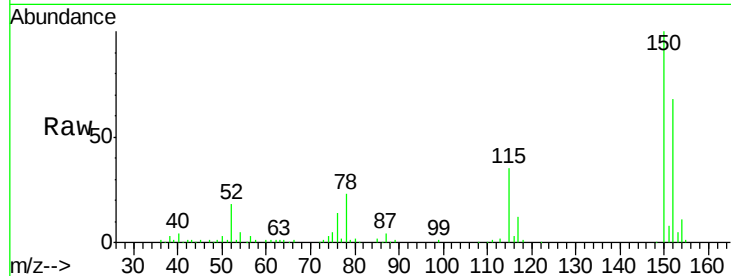


#1

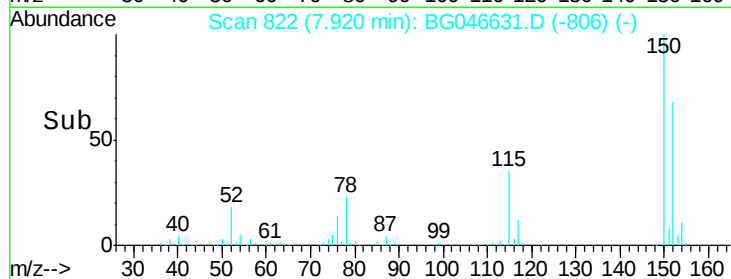
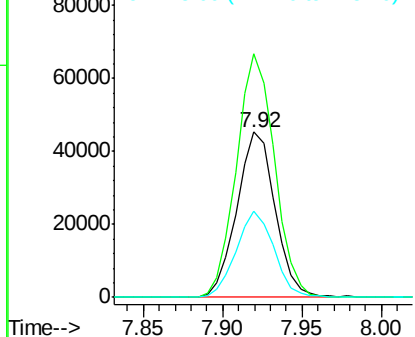
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BG046631.D
 Acq: 15 Sep 2020 19:28

Instrument :
 BNA_G
 ClientSampled :
 22-31

Tot Ion:152 Resp: 75832
 Ion Ratio Lower Upper
 152 100
 150 147.3 119.5 179.3
 115 52.1 44.3 66.5



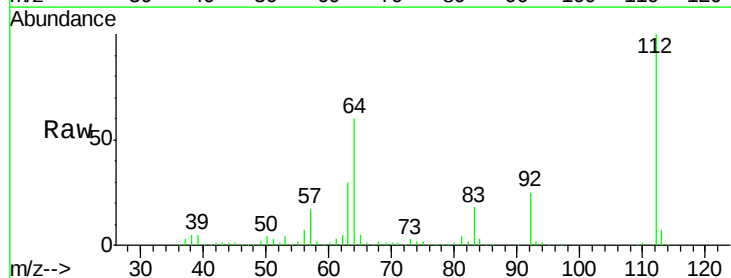
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



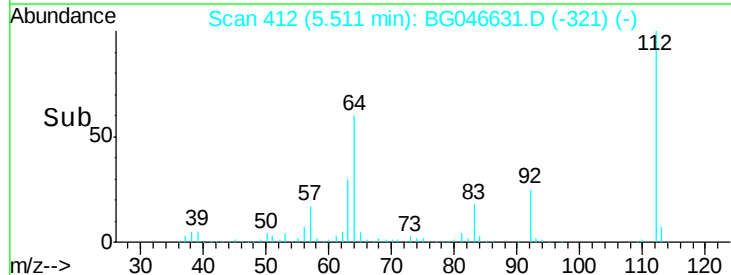
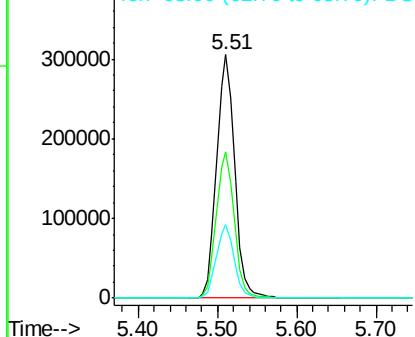
#5

2-Fluorophenol
 Concen: 113.142 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BG046631.D
 Acq: 15 Sep 2020 19:28

Tgt Ion:112 Resp: 484408
 Ion Ratio Lower Upper
 112 100
 64 60.2 47.0 70.6
 63 30.2 23.5 35.3



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: 94.917 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046631.D

Acq: 15 Sep 2020 19:28

Instrument :

BNA_G

ClientSampleId :

22-31

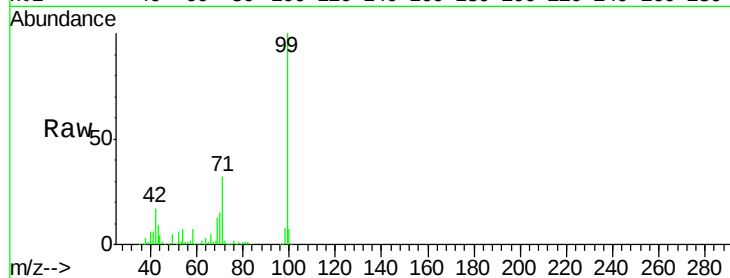
Tot Ion: 99 Resp: 576084

Ion Ratio Lower Upper

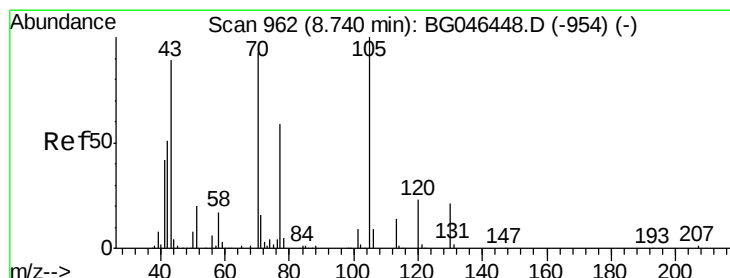
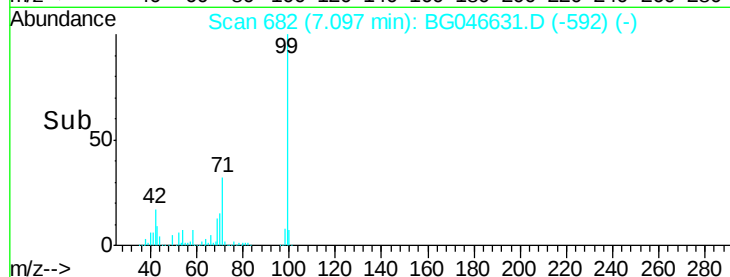
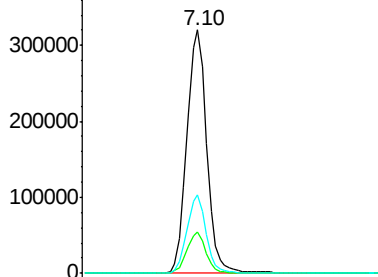
99 100

42 16.8 13.3 19.9

71 32.2 25.3 37.9



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: 16.889 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046631.D

Acq: 15 Sep 2020 19:28

Tgt Ion: 70 Resp: 61314

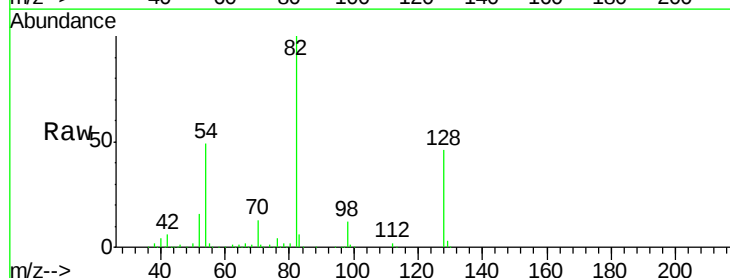
Ion Ratio Lower Upper

70 100

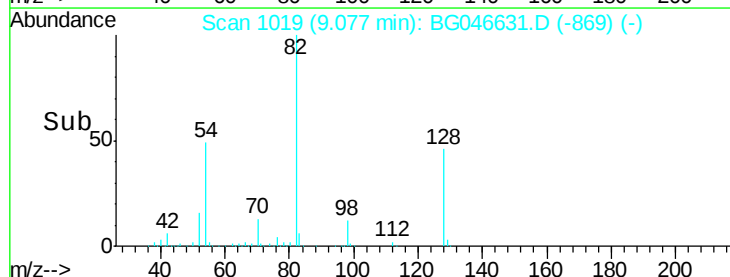
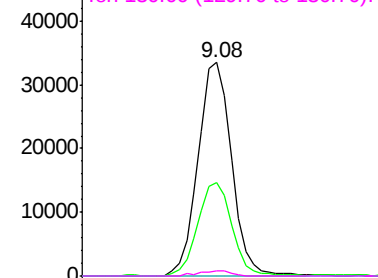
42 43.9 44.2 66.2#

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#



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

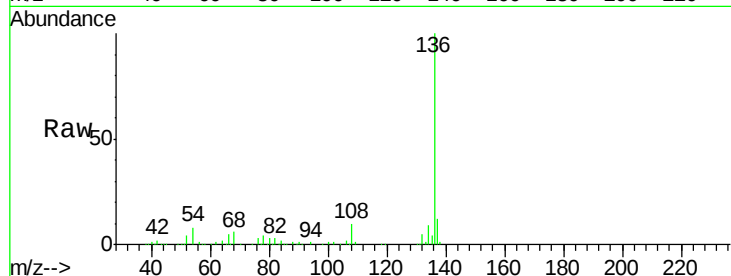




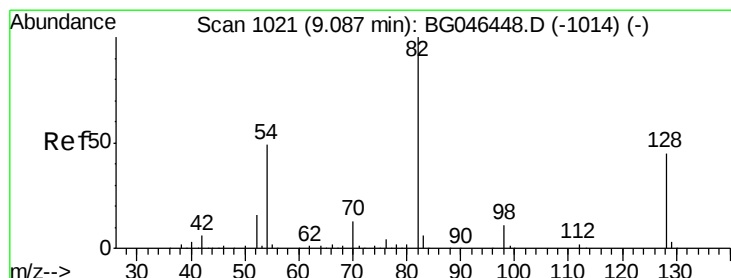
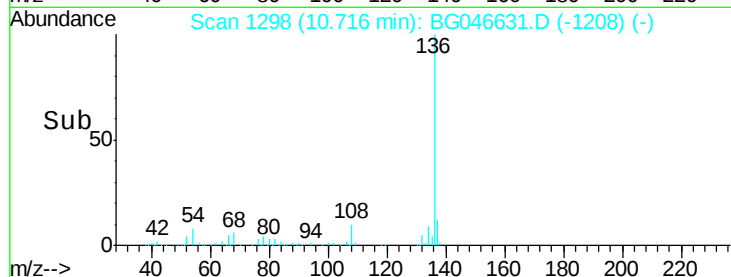
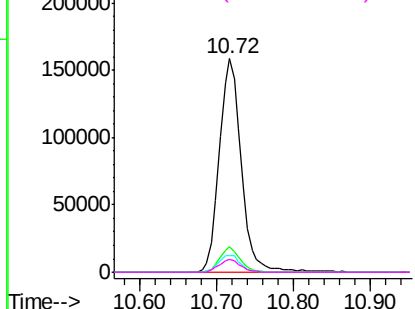
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG046631.D
Acq: 15 Sep 2020 19:28

Instrument :
BNA_G
ClientSampled :
22-31

Tot Ion:136	Resp:	312932
Ion	Ratio	Lower Upper
136	100	
137	12.1	8.8 13.2
54	8.0	6.1 9.1
68	5.7	4.8 7.2

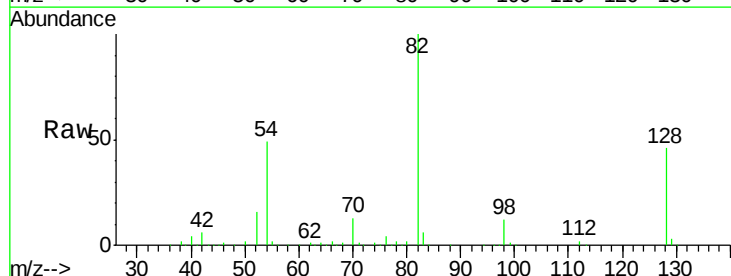


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

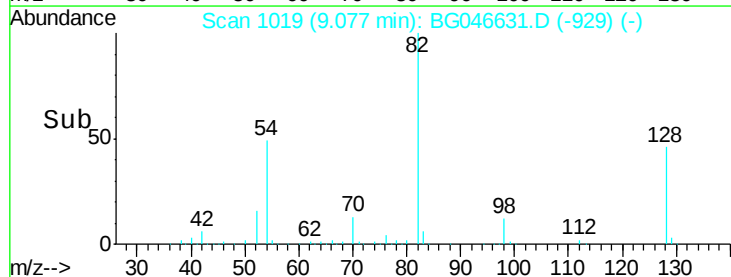
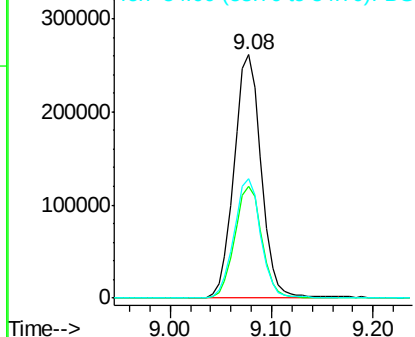


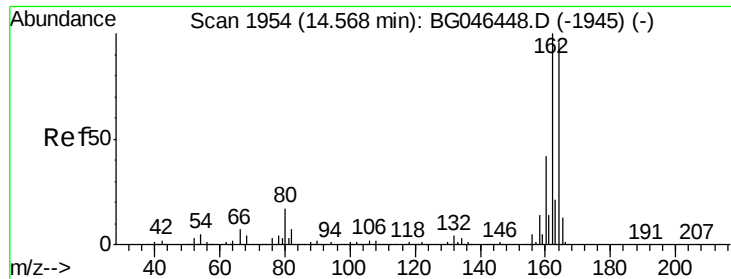
#23
Nitrobenzene-d5
Concen: 88.712 ng
RT: 9.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046631.D
Acq: 15 Sep 2020 19:28

Tgt Ion: 82	Resp:	485709
Ion	Ratio	Lower Upper
82	100	
128	45.9	35.7 53.5
54	49.0	39.4 59.0



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: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG046631.D

Acq: 15 Sep 2020 19:28

Instrument :

BNA_G

ClientSampleId :

22-31

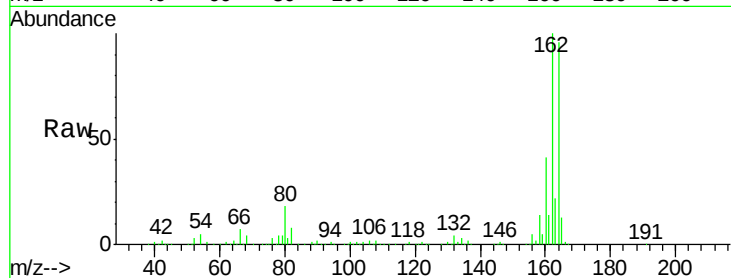
Tot Ion:164 Resp: 225064

Ion Ratio Lower Upper

164 100

162 104.6 83.3 124.9

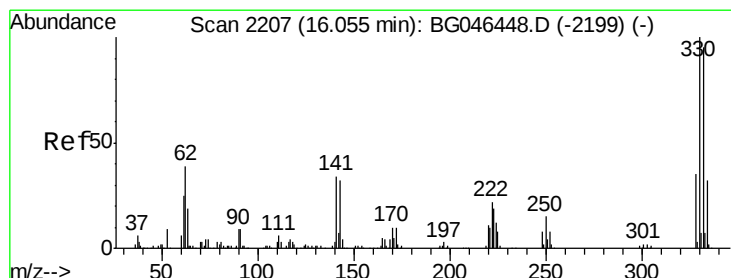
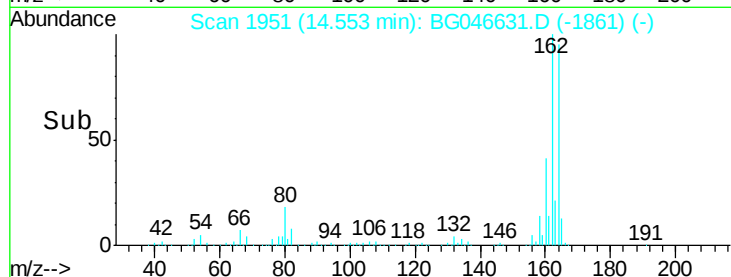
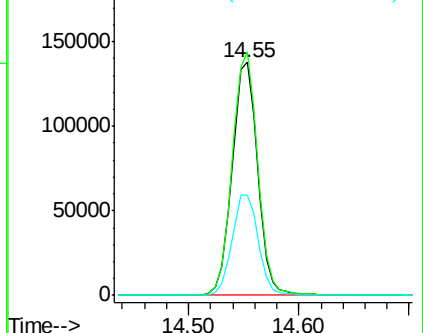
160 43.3 35.0 52.6



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: 102.445 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BG046631.D

Acq: 15 Sep 2020 19:28

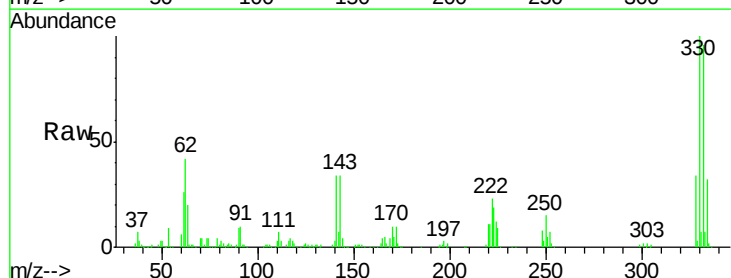
Tgt Ion:330 Resp: 312402

Ion Ratio Lower Upper

330 100

332 97.6 76.1 114.1

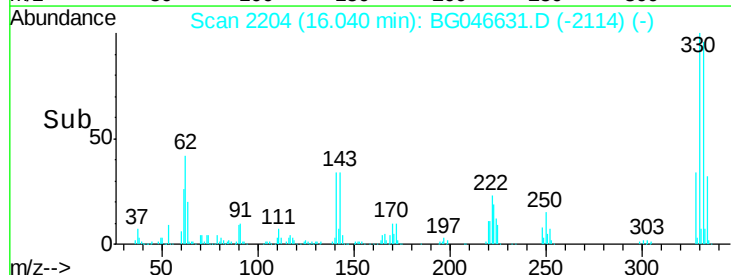
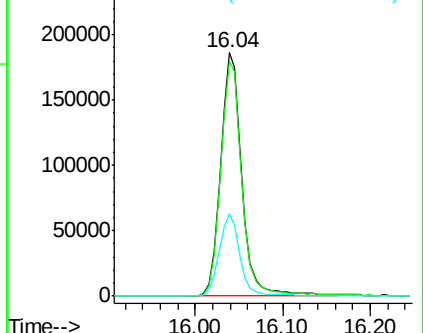
141 33.4 26.1 39.1

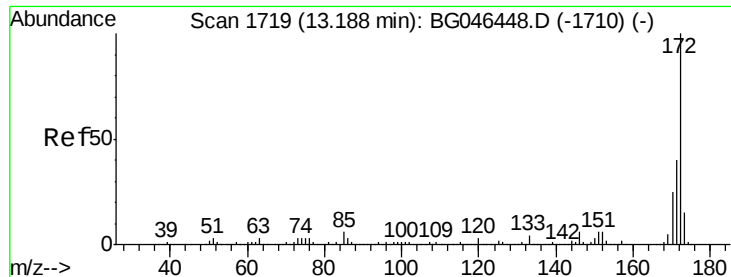


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

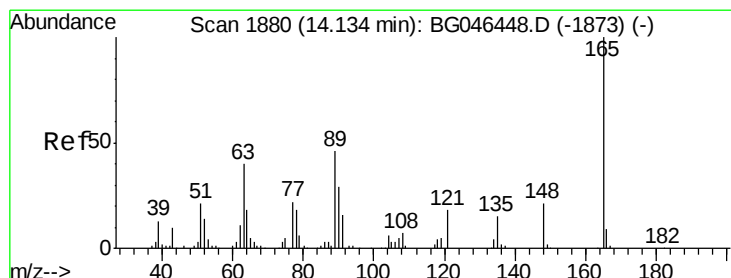
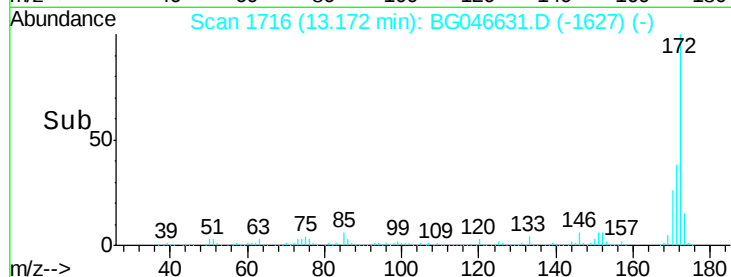
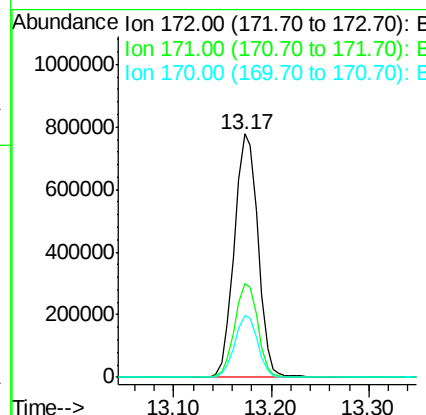
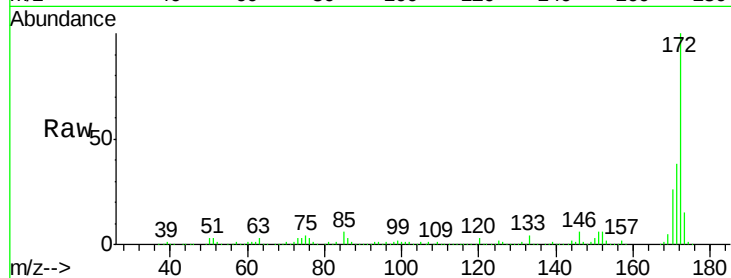




#45
 2-Fluorobiphenyl
 Concen: 88.971 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG046631.D
 Acq: 15 Sep 2020 19:28

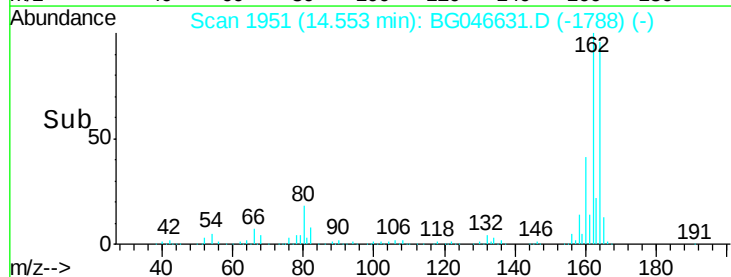
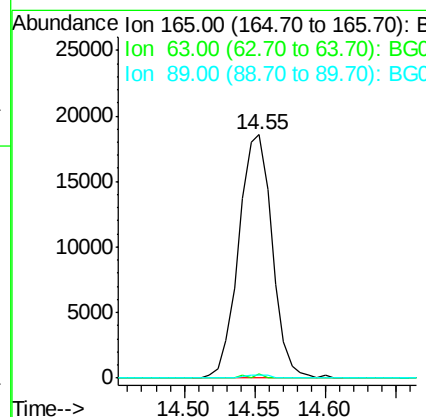
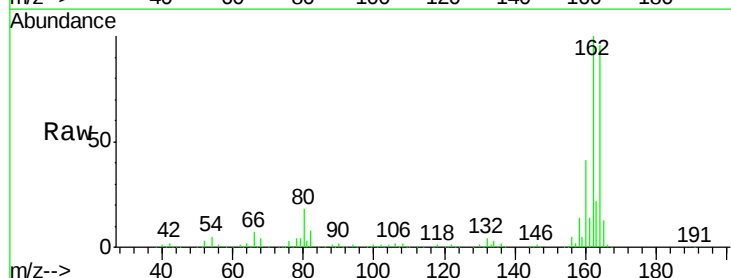
Instrument :
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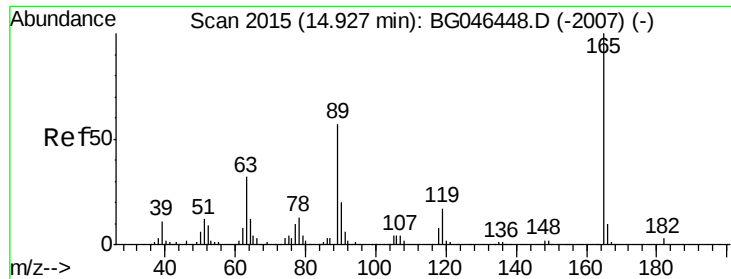
Tot Ion:172 Resp: 1311718
 Ion Ratio Lower Upper
 172 100
 171 38.4 31.8 47.6
 170 25.5 20.3 30.5



#51
 2,6-Dinitrotoluene
 Concen: 8.012 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG046631.D
 Acq: 15 Sep 2020 19:28

Tgt Ion:165 Resp: 30750
 Ion Ratio Lower Upper
 165 100
 63 1.5 34.2 51.4#
 89 1.2 37.0 55.4#

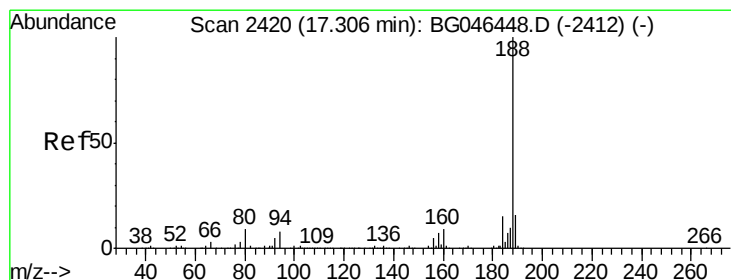
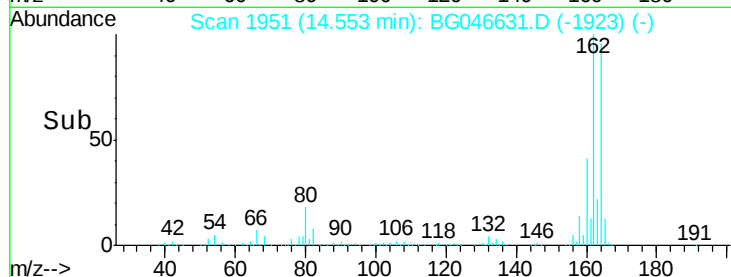
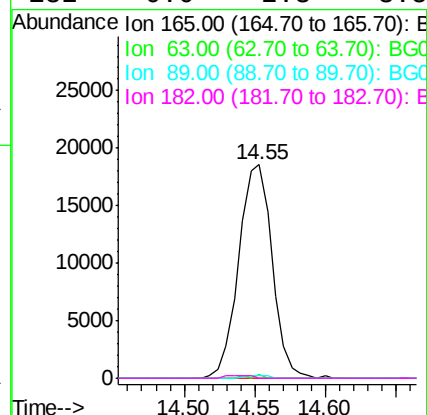
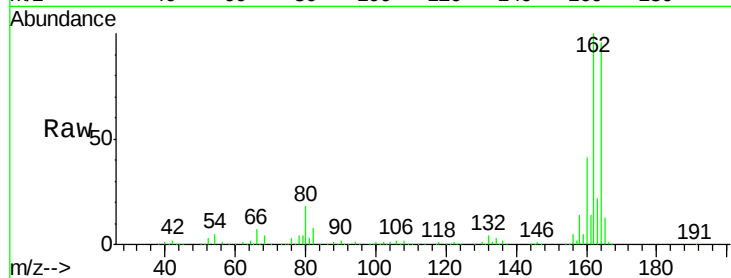




#57
 2,4-Dinitrotoluene
 Concen: 5.619 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG046631.D
 Acq: 15 Sep 2020 19:28

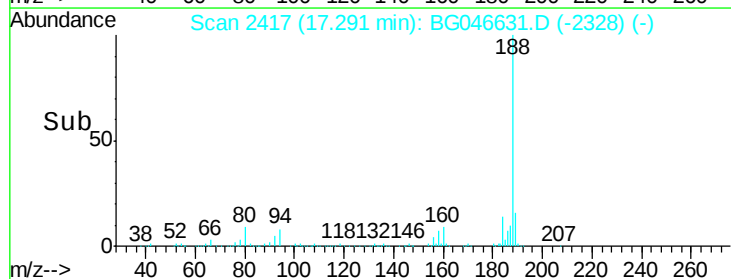
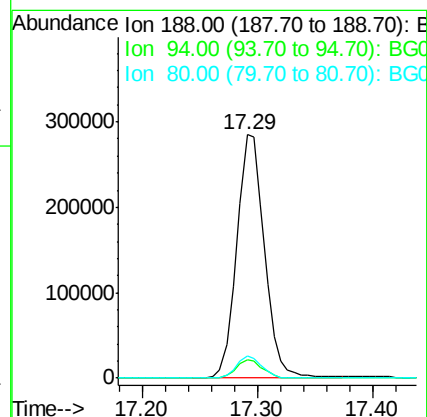
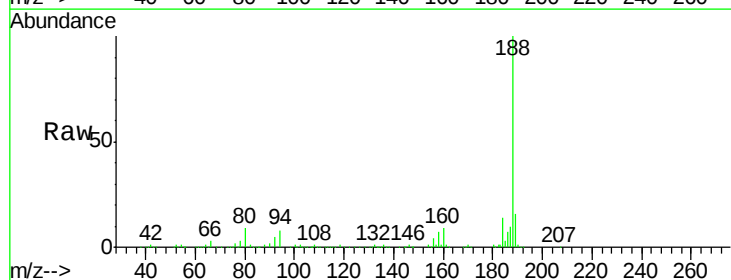
Instrument :
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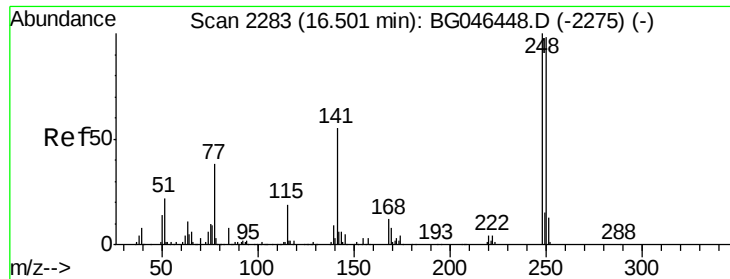
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.2	45.9	68.9#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2417
 Delta R.T. -0.01 min
 Lab File: BG046631.D
 Acq: 15 Sep 2020 19:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.3	9.5
80	9.1	6.9	10.3

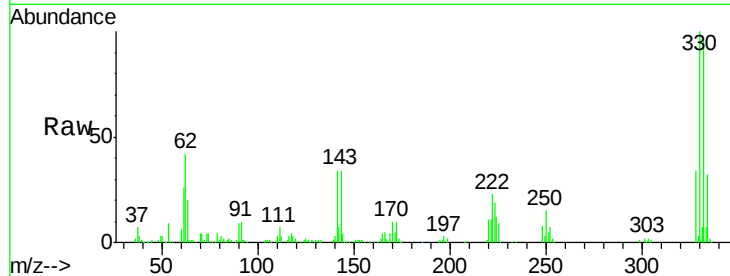




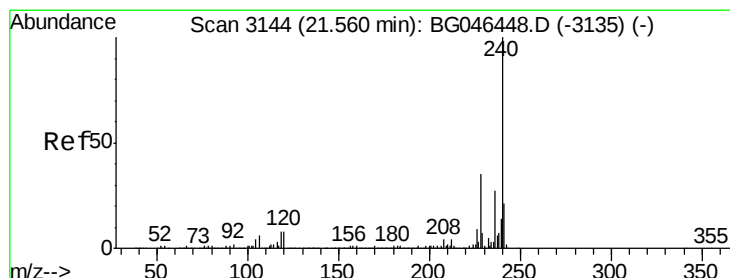
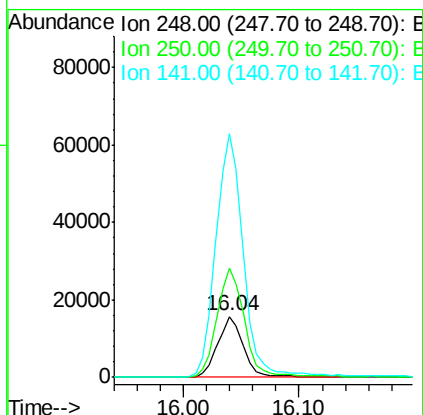
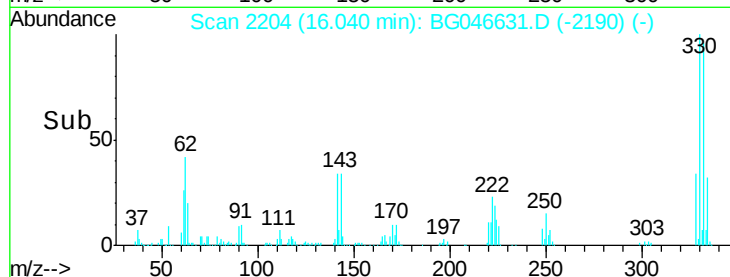
#67
4-Bromophenyl-phenylether
Concen: 4.408 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.45 min
Lab File: BG046631.D
Acq: 15 Sep 2020 19:28

Instrument :
BNA_G
ClientSampled :
22-31

Tot Ion:248 Resp: 24309
Ion Ratio Lower Upper
248 100
250 180.4 78.6 118.0#
141 400.5 43.9 65.9#

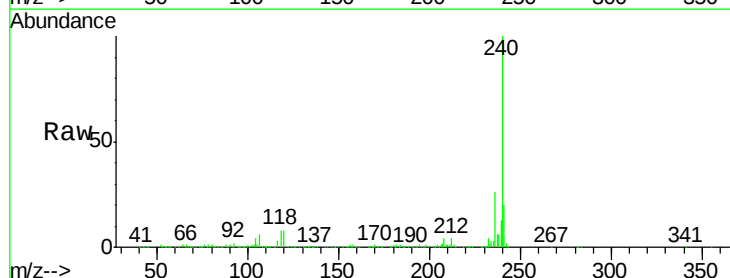


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

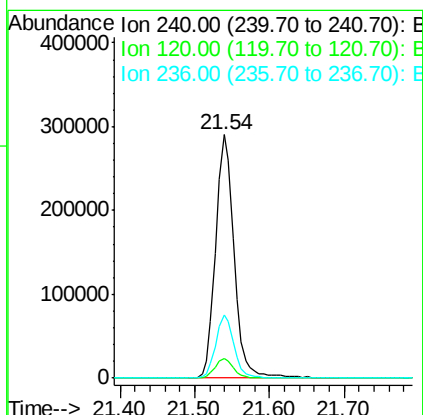
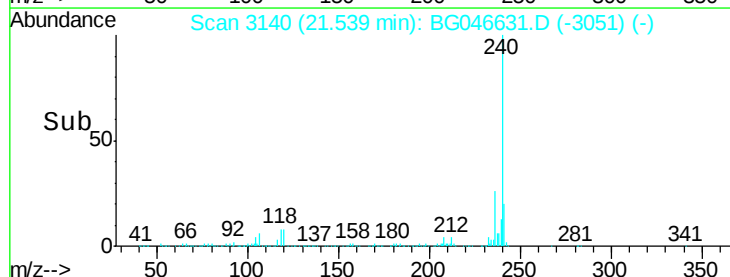


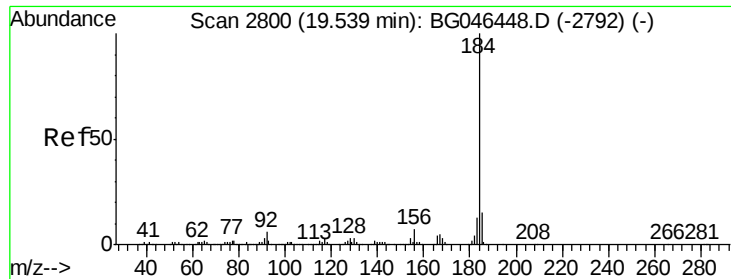
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046631.D
Acq: 15 Sep 2020 19:28

Tgt Ion:240 Resp: 498274
Ion Ratio Lower Upper
240 100
120 8.1 6.6 10.0
236 25.7 21.4 32.2



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: 2.295 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG046631.D

Acq: 15 Sep 2020 19:28

Instrument :

BNA_G

ClientSampled :

22-31

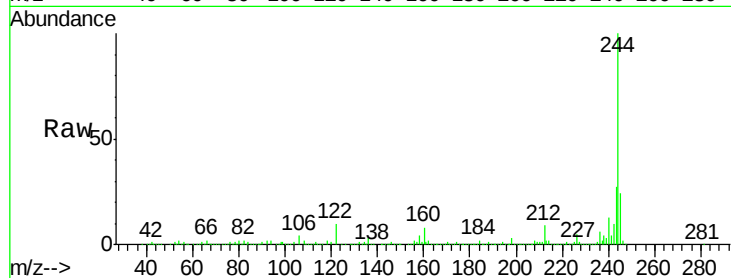
Tot Ion:184 Resp: 26574

Ion Ratio Lower Upper

184 100

185 17.0 11.8 17.8

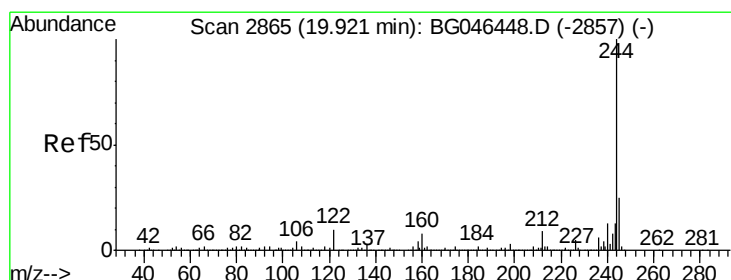
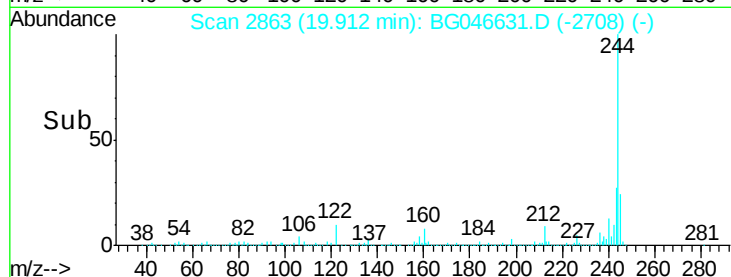
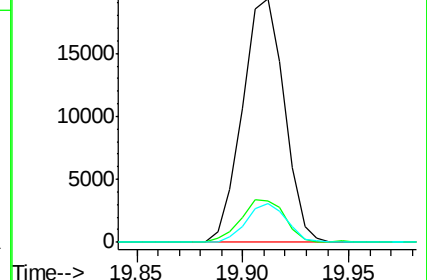
183 16.1 10.7 16.1



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: 76.375 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG046631.D

Acq: 15 Sep 2020 19:28

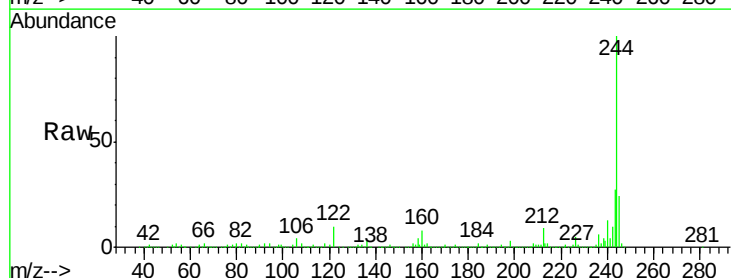
Tgt Ion:244 Resp: 1788178

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

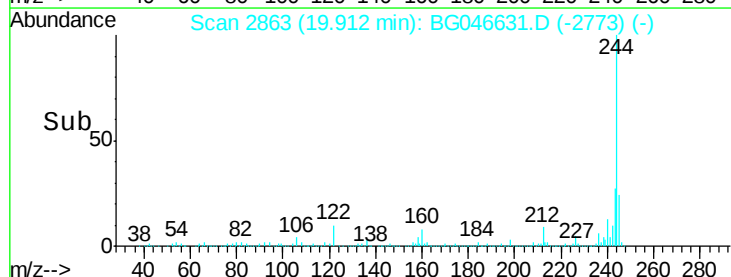
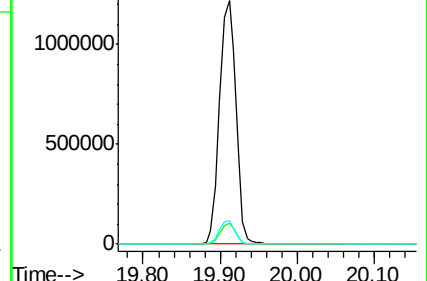
122 9.6 8.2 12.4

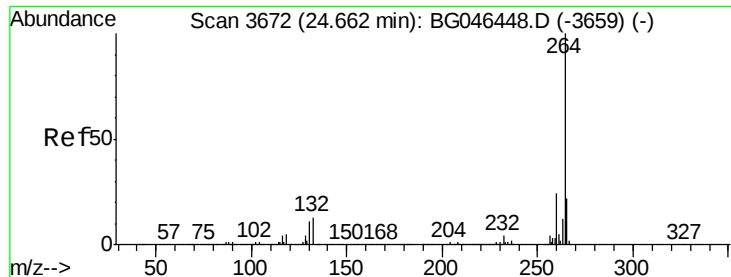


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

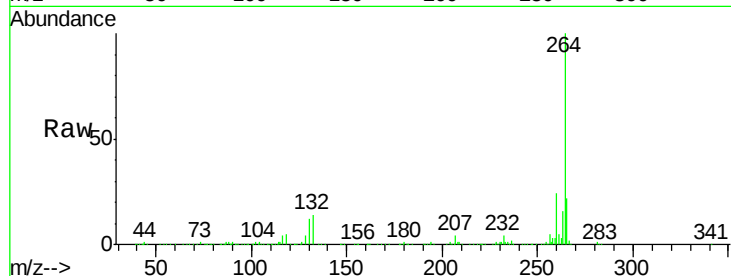




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3667
Delta R.T. -0.00 min
Lab File: BG046631.D
Acq: 15 Sep 2020 19:28

Instrument :
BNA_G
ClientSampleId :
22-31

Tot Ion: 264 Resp: 485212
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.7 17.9 26.9



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

