

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091520\
 Data File : BG046633.D
 Acq On : 15 Sep 2020 20:48
 Operator : CG/JU
 Sample : L4007-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11929

Quant Time: Sep 16 00:42:53 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

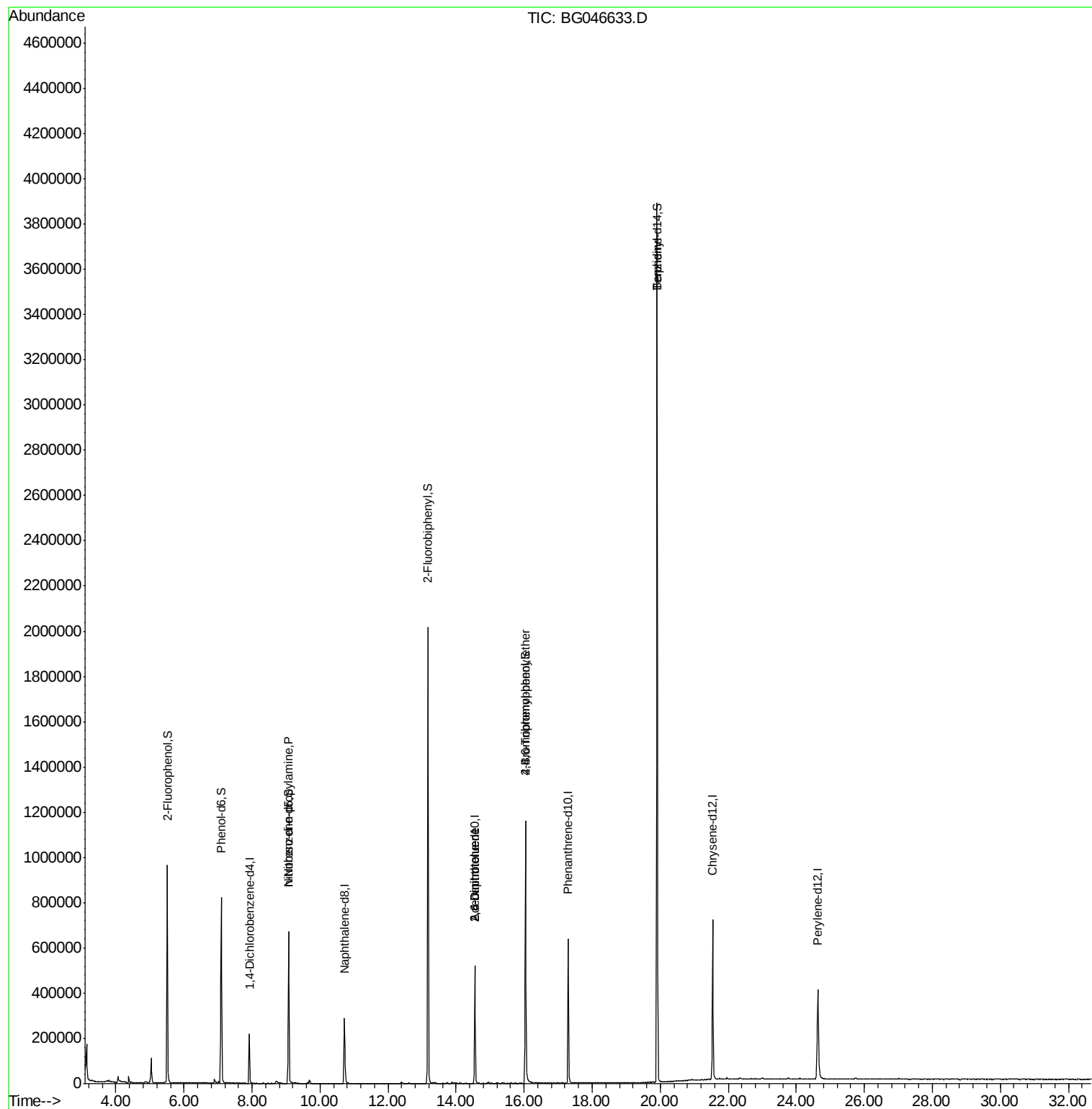
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	69709	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	289976	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	202631	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	441306	20.00	ng	0.00
76) Chrysene-d12	21.54	240	479614	20.00	ng	0.00
86) Perylene-d12	24.63	264	463641	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	446376	113.42	ng	0.00
7) Phenol-d6	7.09	99	528412	94.71	ng	0.00
23) Nitrobenzene-d5	9.07	82	439524	86.63	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	267506	97.43	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1147234	86.43	ng	0.00
79) Terphenyl-d14	19.91	244	1691740	75.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	55559	16.648	ng	# 76
51) 2,6-Dinitrotoluene	14.55	165	26622	7.704	ng	# 33
57) 2,4-Dinitrotoluene	14.55	165	26622	5.403	ng	# 33
67) 4-Bromophenyl-phenylether	16.04	248	20072	3.899	ng	# 1
77) Benzidine	19.91	184	25856	2.320	ng	94

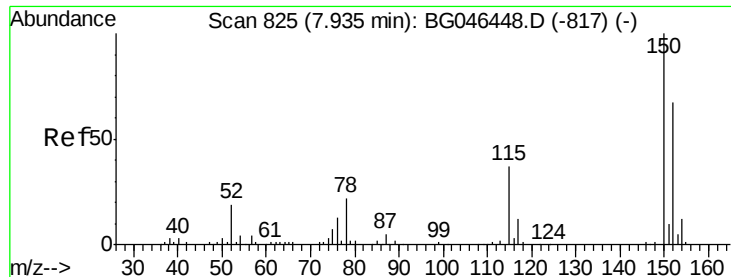
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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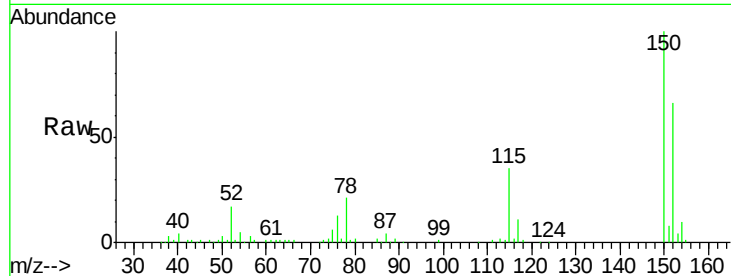


#1

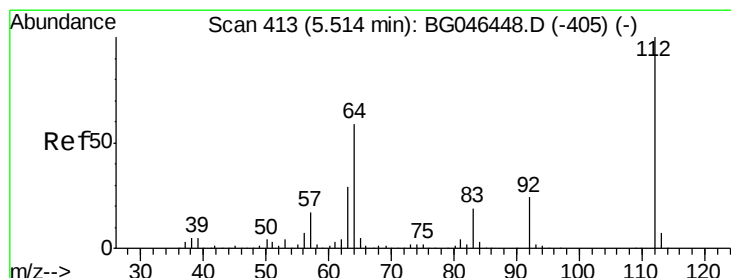
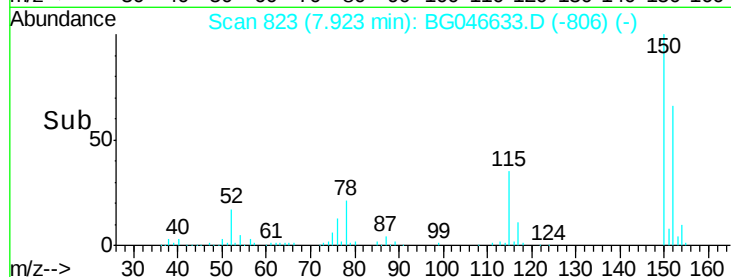
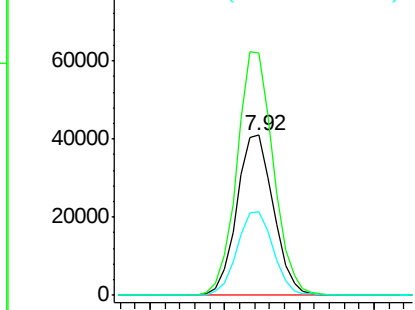
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BG046633.D
 Acq: 15 Sep 2020 20:48

Instrument :
 BNA_G
 ClientSampleId :
 72-11929

Tot Ion:152 Resp: 69709
 Ion Ratio Lower Upper
 152 100
 150 151.3 119.5 179.3
 115 52.2 44.3 66.5



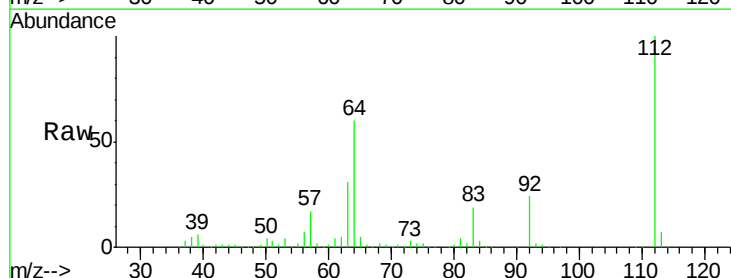
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



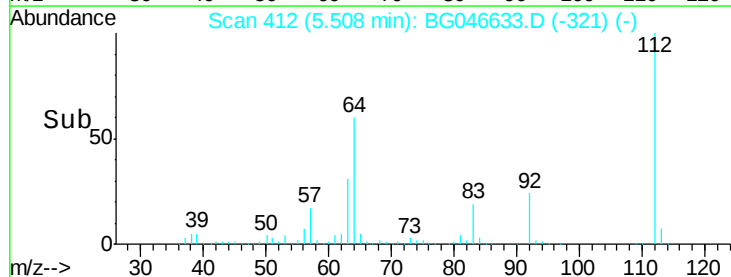
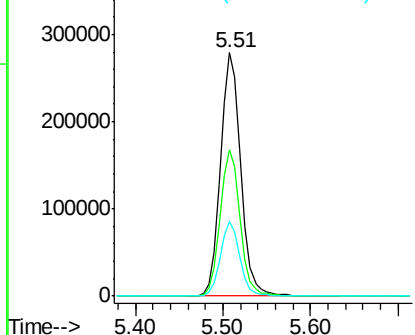
#5

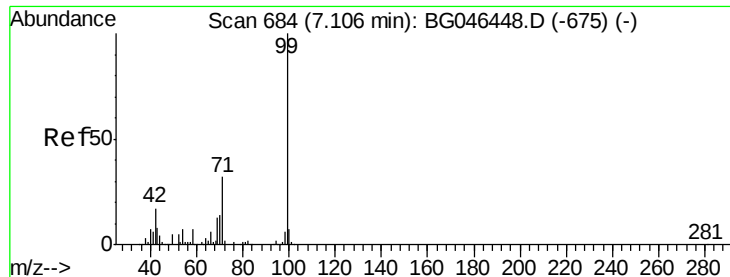
2-Fluorophenol
 Concen: 113.416 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: BG046633.D
 Acq: 15 Sep 2020 20:48

Tgt Ion:112 Resp: 446376
 Ion Ratio Lower Upper
 112 100
 64 60.2 47.0 70.6
 63 30.9 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 94.709 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046633.D

Acq: 15 Sep 2020 20:48

Instrument :

BNA_G

ClientSampleId :

72-11929

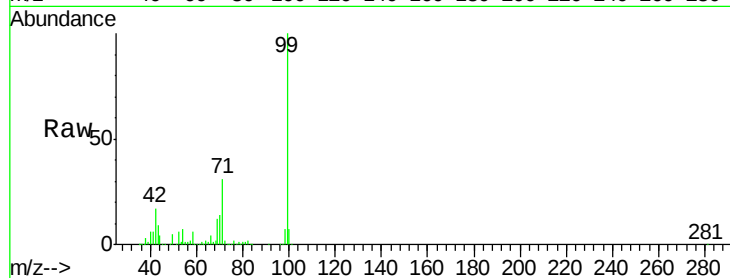
Tot Ion: 99 Resp: 528412

Ion Ratio Lower Upper

99 100

42 17.0 13.3 19.9

71 30.7 25.3 37.9

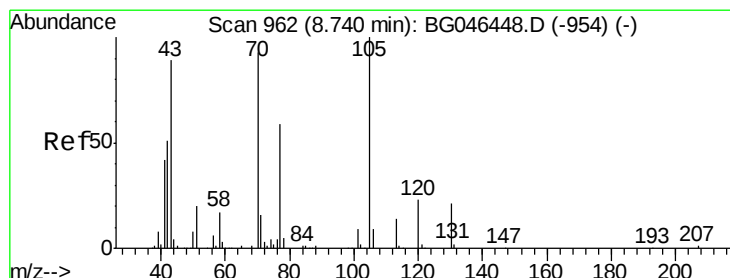
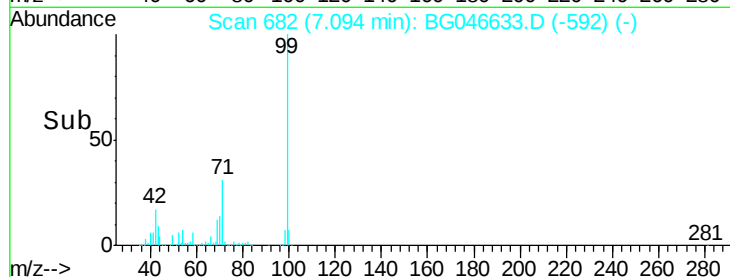
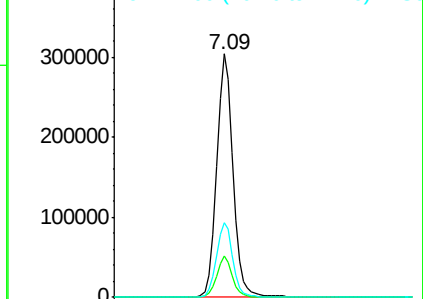


Abundance

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: 16.648 ng

RT: 9.07 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046633.D

Acq: 15 Sep 2020 20:48

Tgt Ion: 70 Resp: 55559

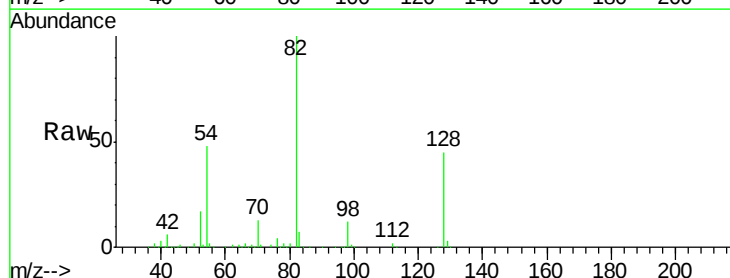
Ion Ratio Lower Upper

70 100

42 43.3 44.2 66.2#

101 0.0 7.8 11.8#

130 2.8 18.2 27.4#



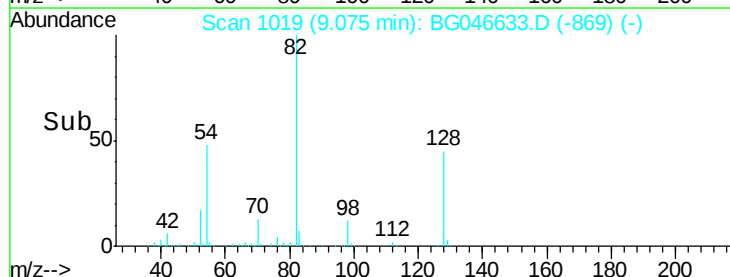
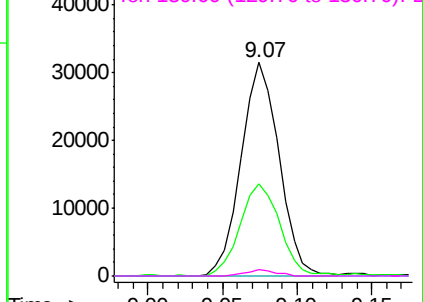
Abundance

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

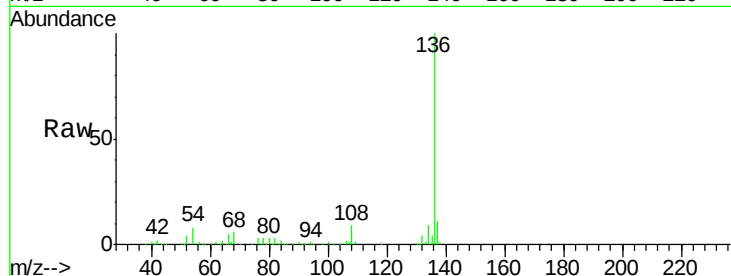




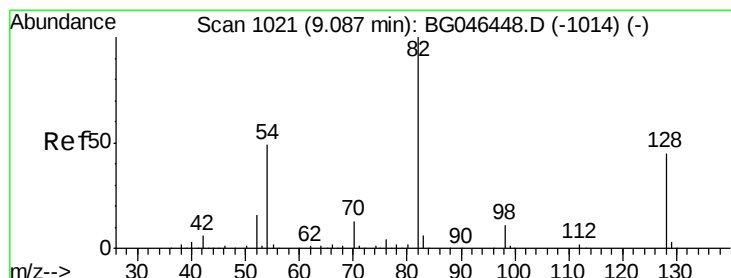
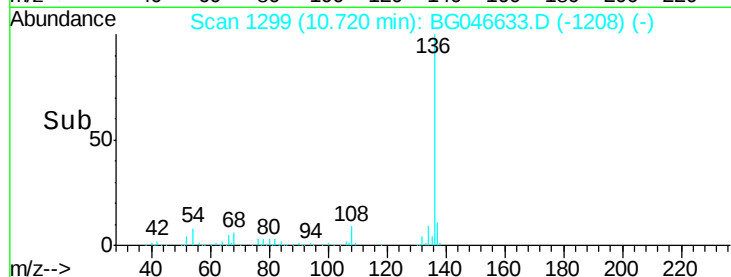
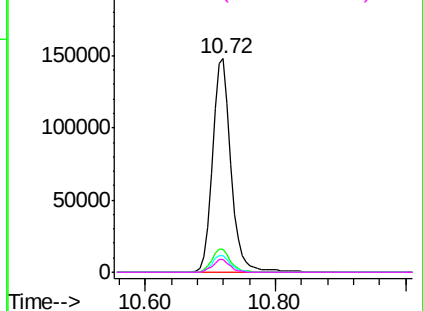
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG046633.D
Acq: 15 Sep 2020 20:48

Instrument :
BNA_G
ClientSampleId :
72-11929

Tot Ion:136	Resp:	289976
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.8 13.2
54	7.7	6.1 9.1
68	5.9	4.8 7.2

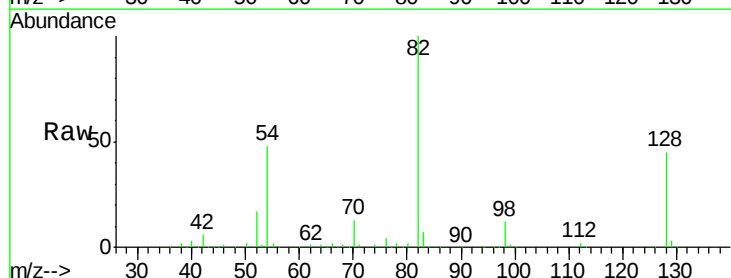


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

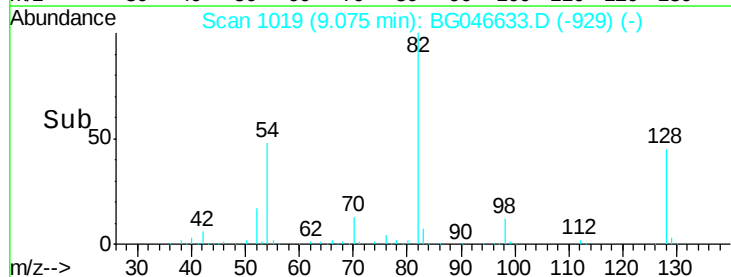
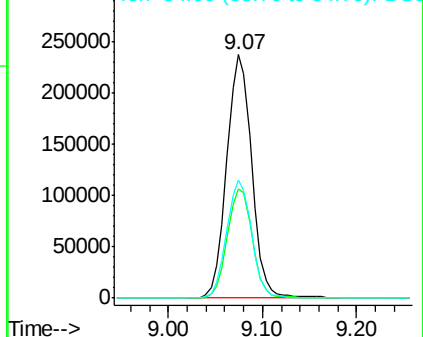


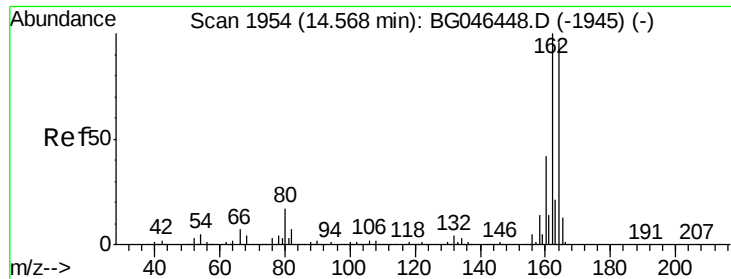
#23
Nitrobenzene-d5
Concen: 86.631 ng
RT: 9.07 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046633.D
Acq: 15 Sep 2020 20:48

Tgt Ion: 82	Resp:	439524
Ion	Ratio	Lower Upper
82	100	
128	45.1	35.7 53.5
54	48.3	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: BG046633.D

Acq: 15 Sep 2020 20:48

Instrument :

BNA_G

ClientSampleId :

72-11929

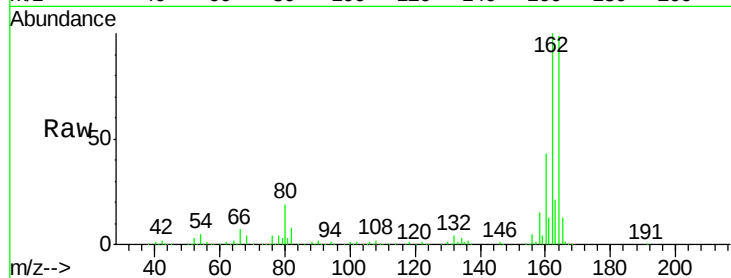
Tot Ion:164 Resp: 202631

Ion Ratio Lower Upper

164 100

162 100.8 83.3 124.9

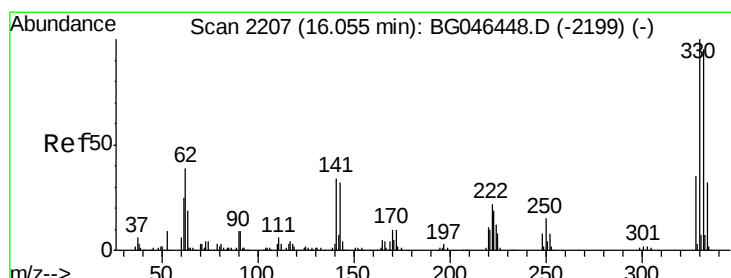
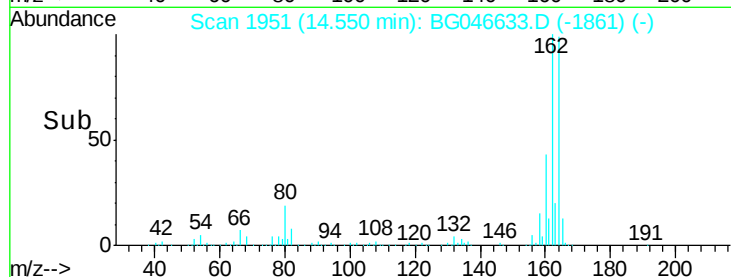
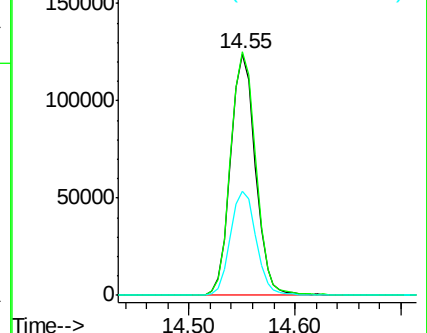
160 43.2 35.0 52.6



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: 97.434 ng

RT: 16.04 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BG046633.D

Acq: 15 Sep 2020 20:48

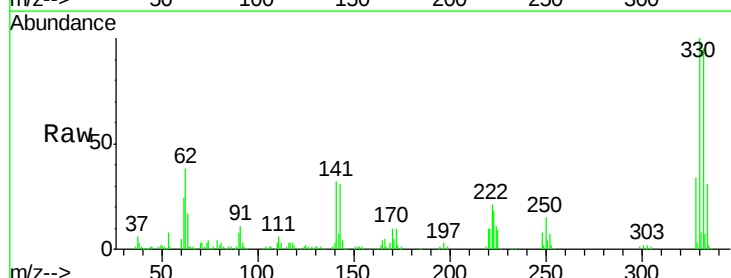
Tgt Ion:330 Resp: 267506

Ion Ratio Lower Upper

330 100

332 96.0 76.1 114.1

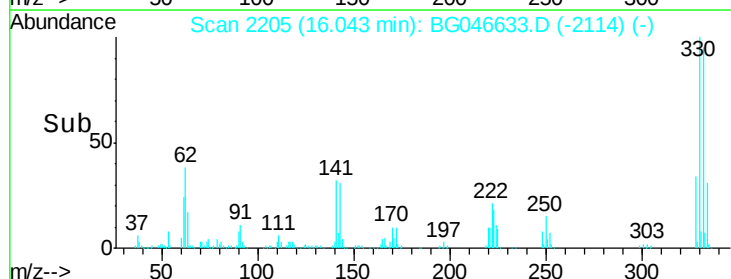
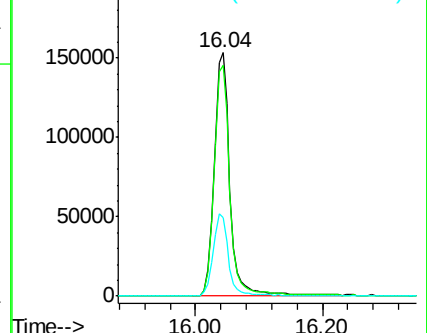
141 32.6 26.1 39.1

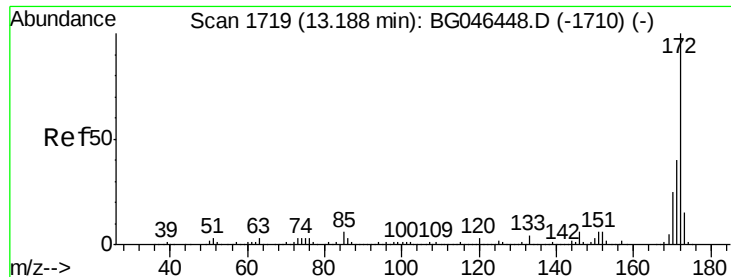


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

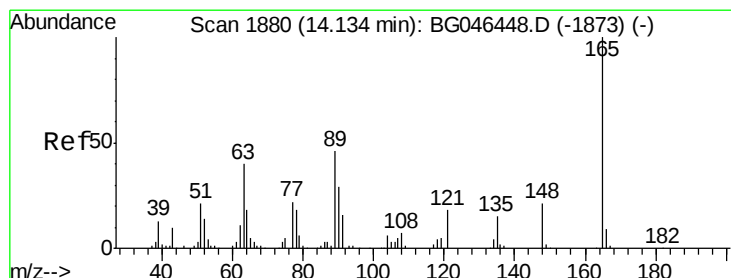
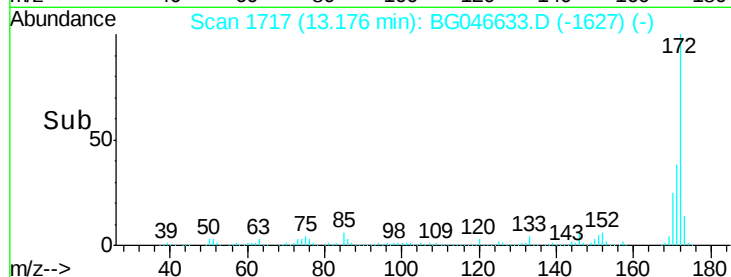
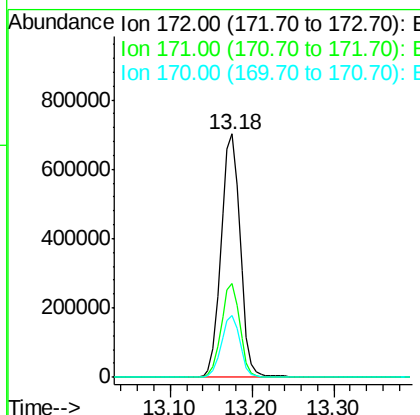
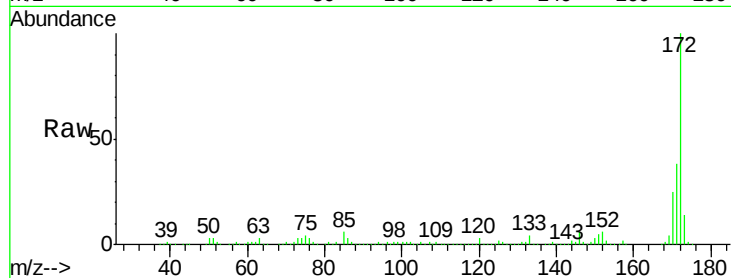




#45
2-Fluorobiphenyl
Concen: 86.429 ng
RT: 13.18 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG046633.D
Acq: 15 Sep 2020 20:48

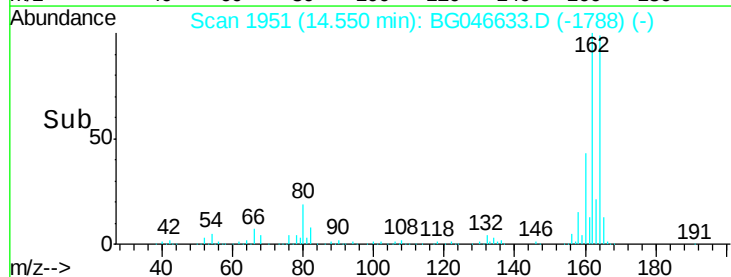
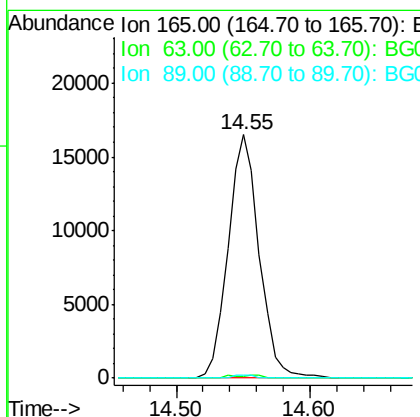
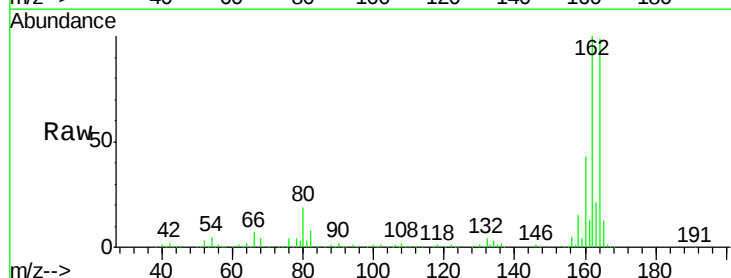
Instrument :
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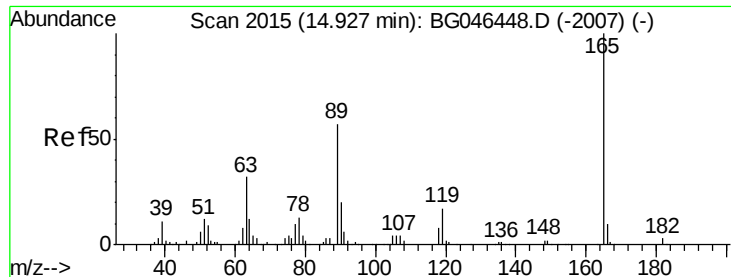
Tot Ion:172 Resp: 1147234
Ion Ratio Lower Upper
172 100
171 38.4 31.8 47.6
170 25.3 20.3 30.5



#51
2,6-Dinitrotoluene
Concen: 7.704 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.43 min
Lab File: BG046633.D
Acq: 15 Sep 2020 20:48

Tgt Ion:165 Resp: 26622
Ion Ratio Lower Upper
165 100
63 0.9 34.2 51.4#
89 1.1 37.0 55.4#

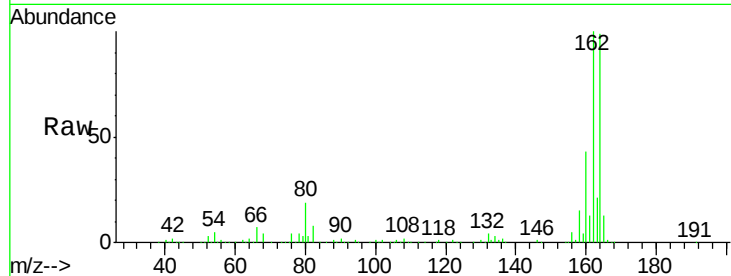




#57
 2,4-Dinitrotoluene
 Concen: 5.403 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.37 min
 Lab File: BG046633.D
 Acq: 15 Sep 2020 20:48

Instrument :
 BNA_G
 ClientSampleId :
 72-11929

Tot Ion	165	Resp	26622
Ion Ratio	100	Lower	Upper
63	0.9	25.4	38.0#
89	1.1	45.9	68.9#
182	0.0	2.3	3.5#

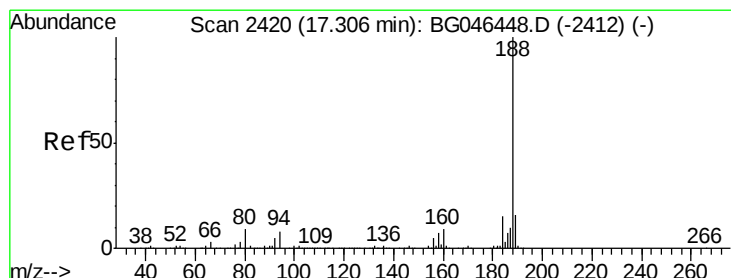
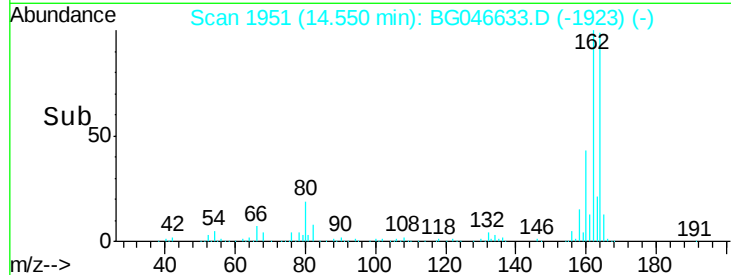
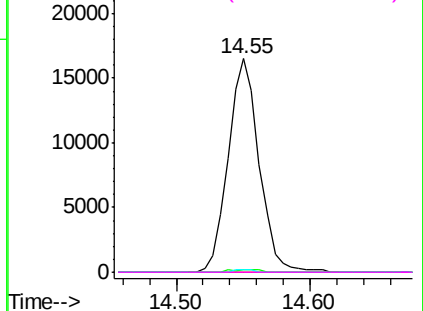


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

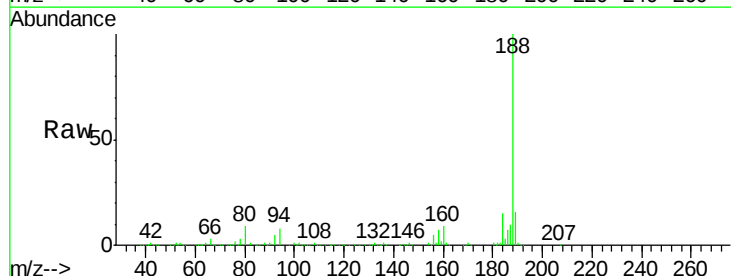
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: BG046633.D
 Acq: 15 Sep 2020 20:48

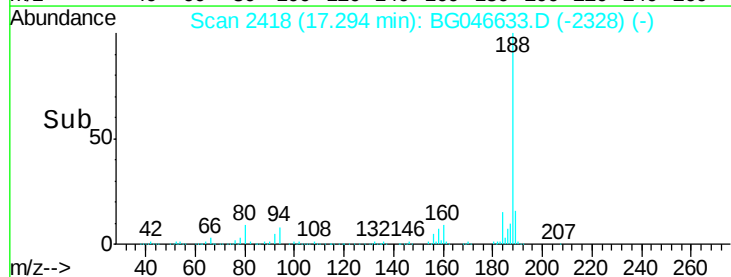
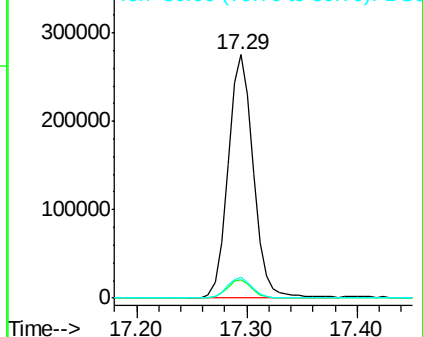
Tgt Ion	188	Resp	441306
Ion Ratio	100	Lower	Upper
94	7.6	6.3	9.5
80	8.6	6.9	10.3

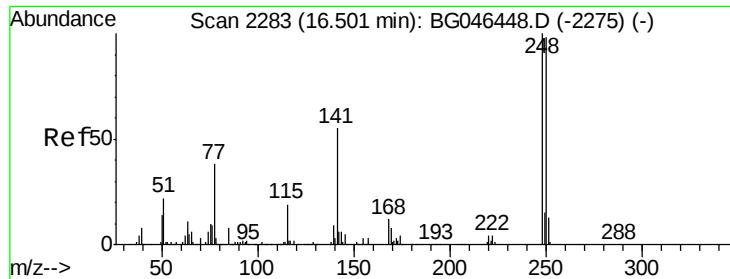


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 3.899 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.45 min

Lab File: BG046633.D

Acq: 15 Sep 2020 20:48

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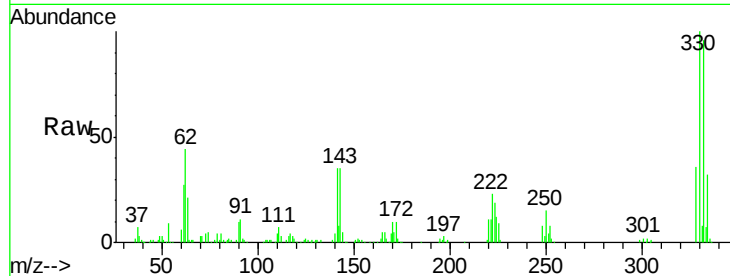
Tot Ion:248 Resp: 20072

Ion Ratio Lower Upper

248 100

250 187.0 78.6 118.0#

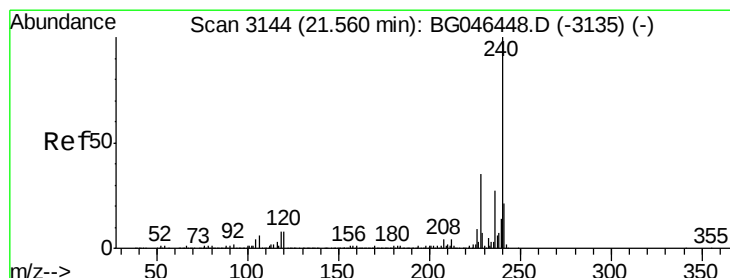
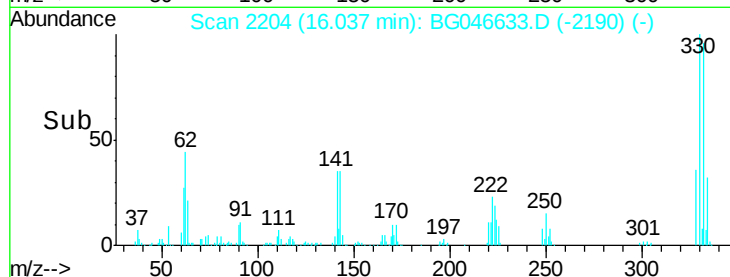
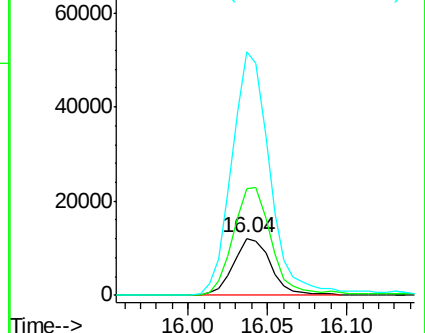
141 425.8 43.9 65.9#



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# 3141

Delta R.T. -0.00 min

Lab File: BG046633.D

Acq: 15 Sep 2020 20:48

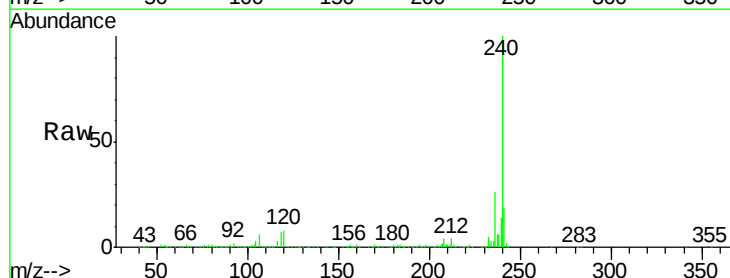
Tgt Ion:240 Resp: 479614

Ion Ratio Lower Upper

240 100

120 7.8 6.6 10.0

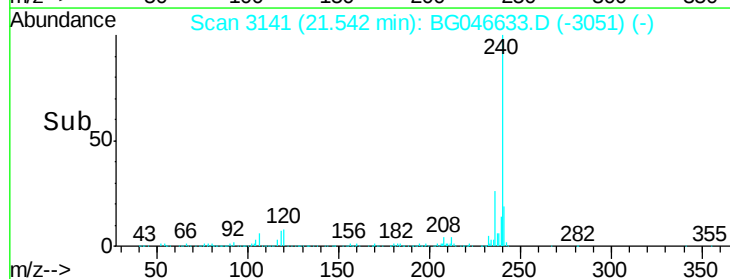
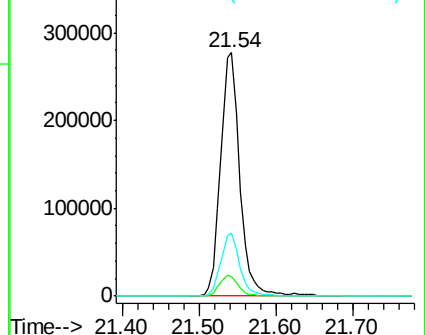
236 25.8 21.4 32.2

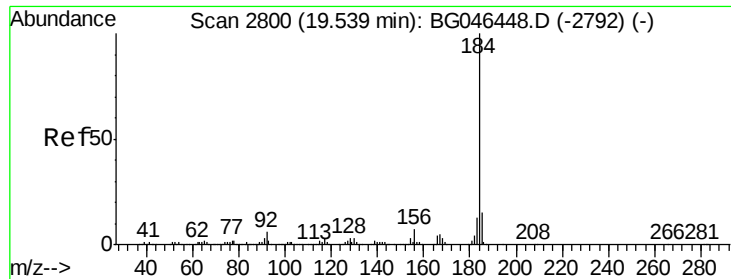


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.320 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG046633.D

Acq: 15 Sep 2020 20:48

Instrument :

BNA_G

ClientSampled :

72-11929

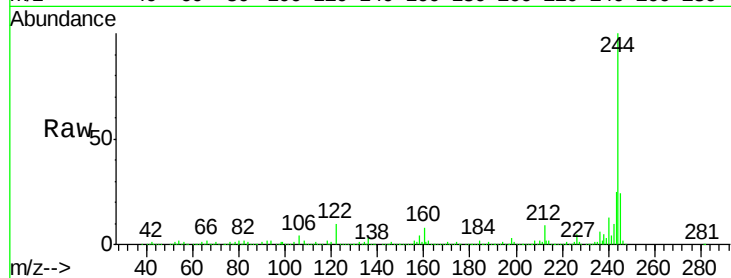
Tot Ion:184 Resp: 25856

Ion Ratio Lower Upper

184 100

185 17.5 11.8 17.8

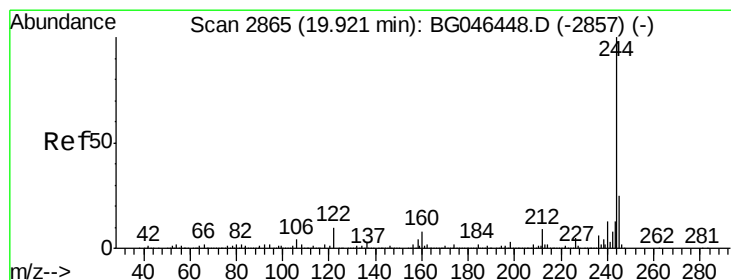
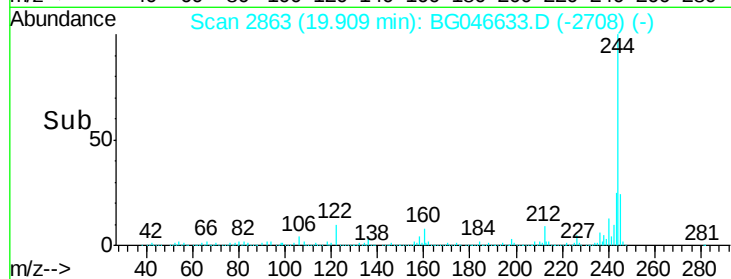
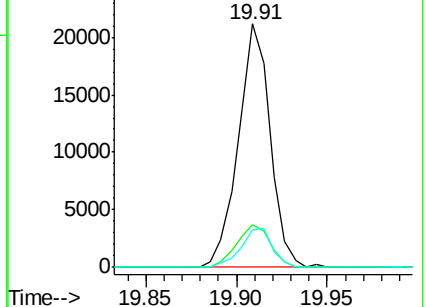
183 15.3 10.7 16.1



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: 75.067 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG046633.D

Acq: 15 Sep 2020 20:48

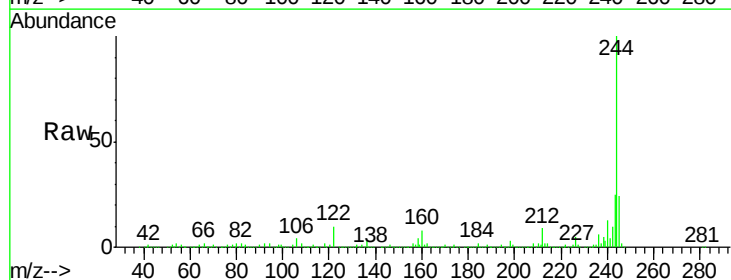
Tgt Ion:244 Resp: 1691740

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

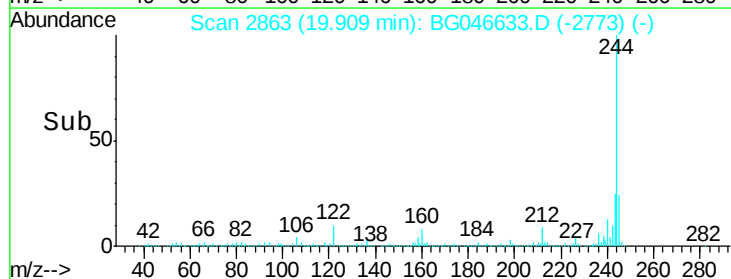
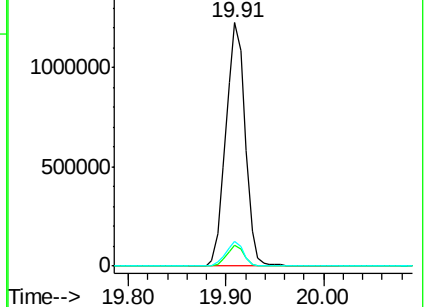
122 10.0 8.2 12.4

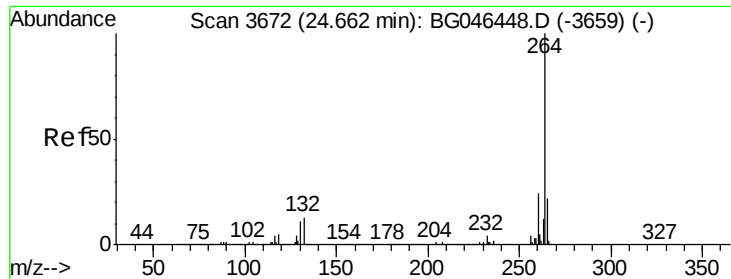


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.63 min Scan# 3667
Delta R.T. -0.00 min
Lab File: BG046633.D
Acq: 15 Sep 2020 20:48

Instrument :
BNA_G
ClientSampleId :
72-11929

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.1	17.9	26.9

