

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046653.D
 Acq On : 16 Sep 2020 23:22
 Operator : CG/JU
 Sample : L4018-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LACY-08

Quant Time: Sep 17 00:38:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 16 11:07:52 2020
 Response via : Initial Calibration

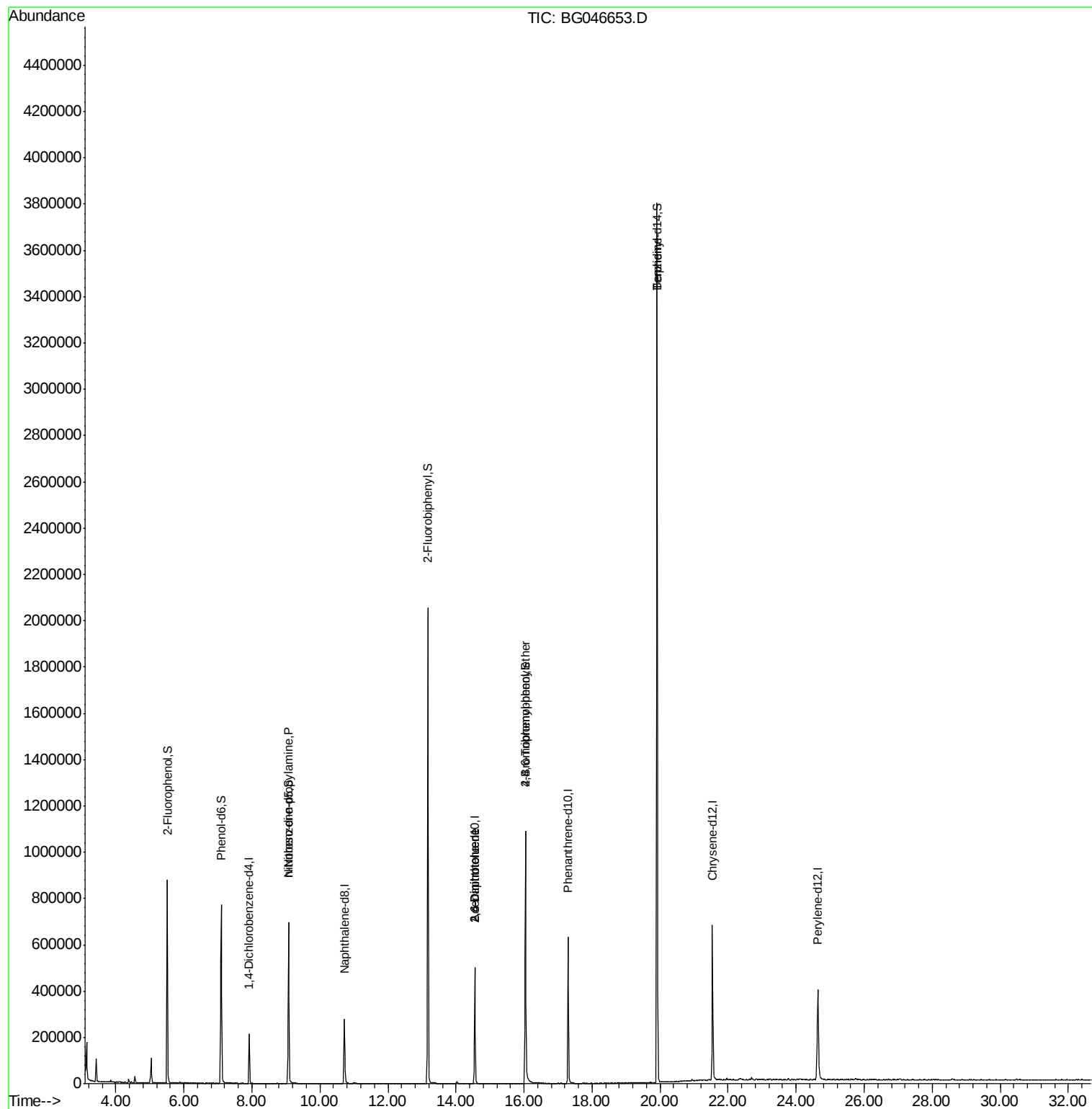
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	67300	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	277884	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	192710	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	437416	20.00	ng	0.00
76) Chrysene-d12	21.54	240	454691	20.00	ng	0.00
86) Perylene-d12	24.64	264	443482	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	411837	108.39	ng	0.00
7) Phenol-d6	7.10	99	503002	93.38	ng	0.00
23) Nitrobenzene-d5	9.08	82	449289	92.41	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	255488	97.85	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1157984	91.73	ng	0.00
79) Terphenyl-d14	19.91	244	1763945	82.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	57395	17.814	ng	# 74
51) 2,6-Dinitrotoluene	14.55	165	25907	7.883	ng	# 34
57) 2,4-Dinitrotoluene	14.55	165	25907	5.528	ng	# 32
67) 4-Bromophenyl-phenylether	16.04	248	19747	3.870	ng	# 1
77) Benzidine	19.91	184	27333	2.587	ng	95

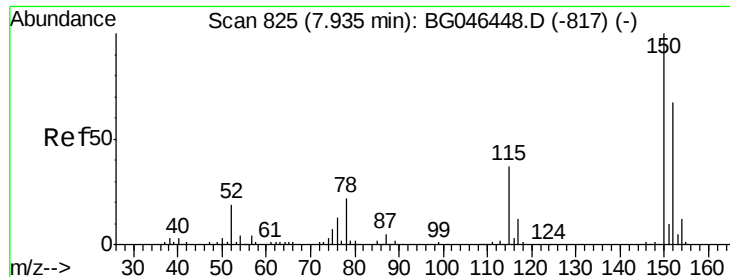
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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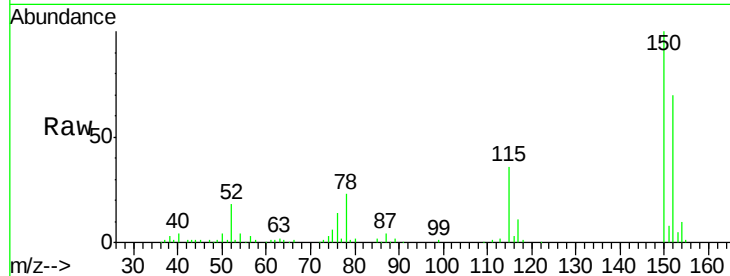


#1

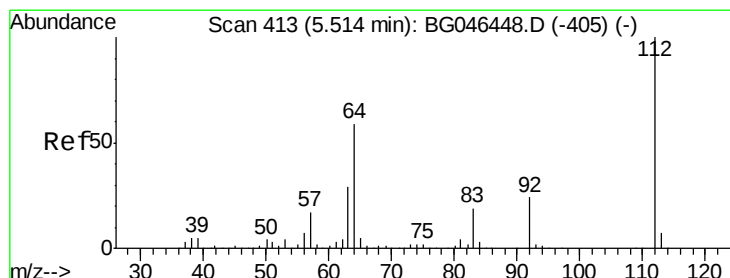
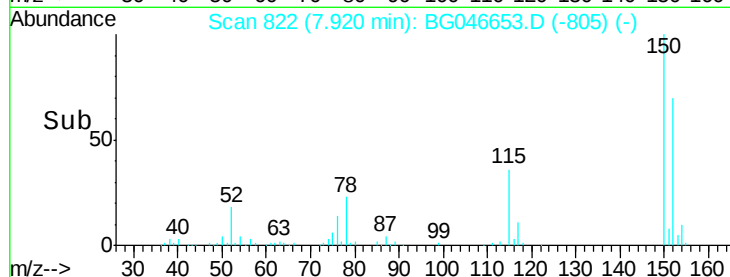
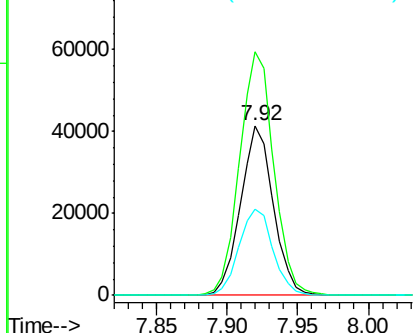
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. 0.00 min
Lab File: BG046653.D
Acq: 16 Sep 2020 23:22

Instrument :
BNA_G
ClientSampleId :
LACY-08

Tot Ion:152 Resp: 67300
Ion Ratio Lower Upper
152 100
150 143.7 125.0 187.6
115 51.1 41.8 62.6



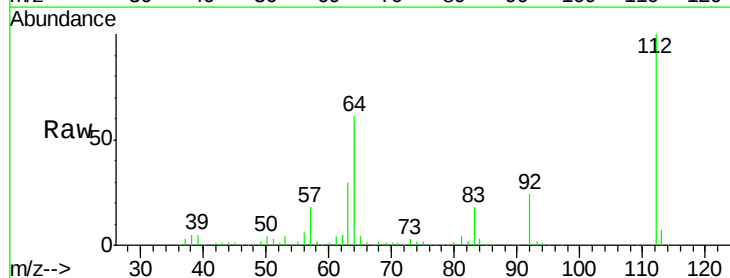
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



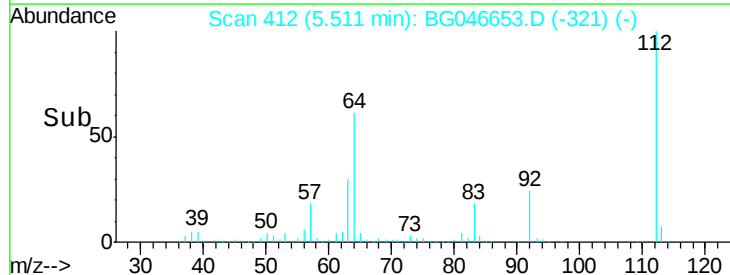
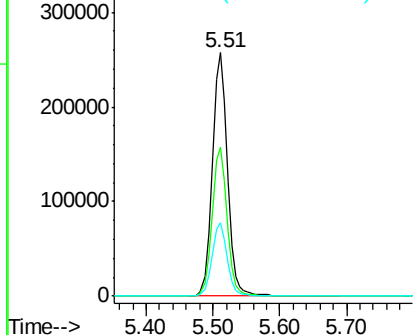
#5

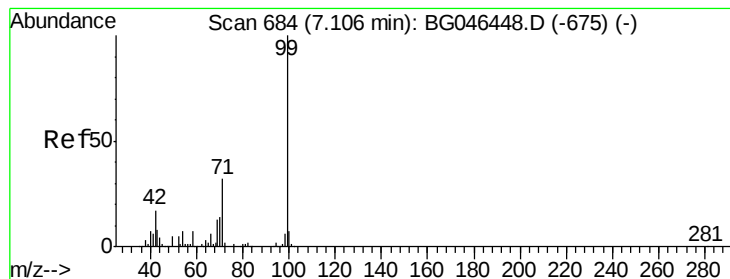
2-Fluorophenol
Concen: 108.386 ng
RT: 5.51 min Scan# 412
Delta R.T. 0.01 min
Lab File: BG046653.D
Acq: 16 Sep 2020 23:22

Tgt Ion:112 Resp: 411837
Ion Ratio Lower Upper
112 100
64 61.0 46.7 70.1
63 29.9 22.8 34.2



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: 93.382 ng

RT: 7.10 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG046653.D

Acq: 16 Sep 2020 23:22

Instrument :

BNA_G

ClientSampleId :

LACY-08

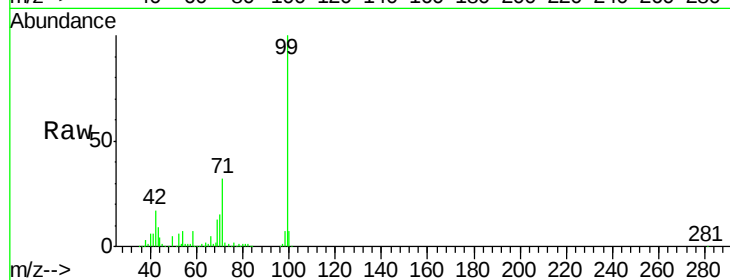
Tot Ion: 99 Resp: 503002

Ion Ratio Lower Upper

99 100

42 16.6 12.8 19.2

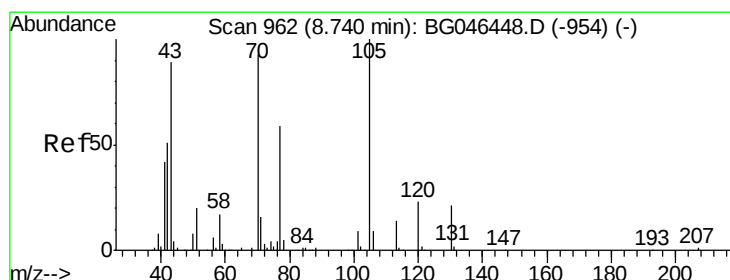
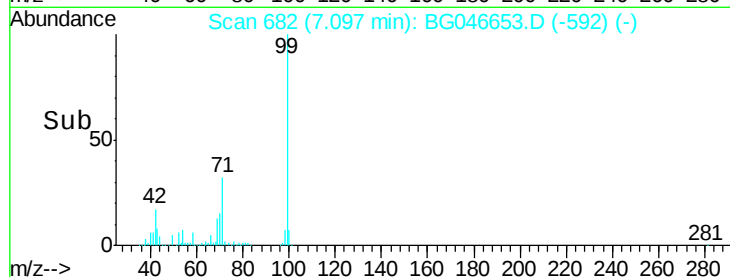
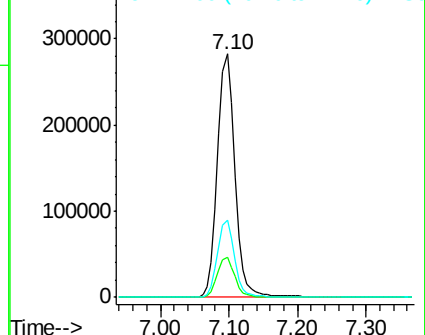
71 31.9 24.6 36.8



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: 17.814 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046653.D

Acq: 16 Sep 2020 23:22

Tgt Ion: 70 Resp: 57395

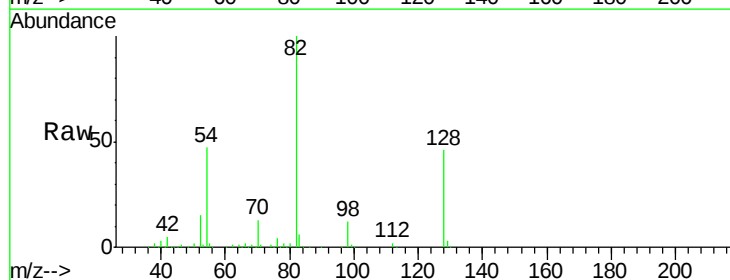
Ion Ratio Lower Upper

70 100

42 42.1 45.6 68.4#

101 0.0 8.4 12.6#

130 2.3 17.8 26.8#

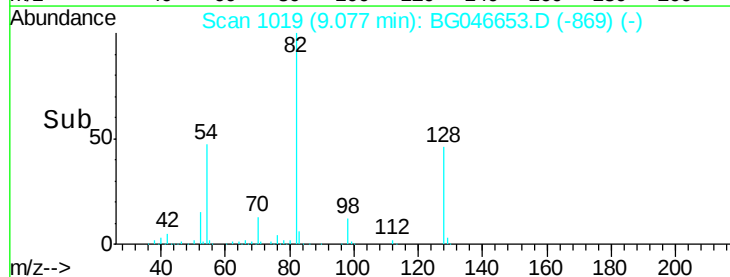
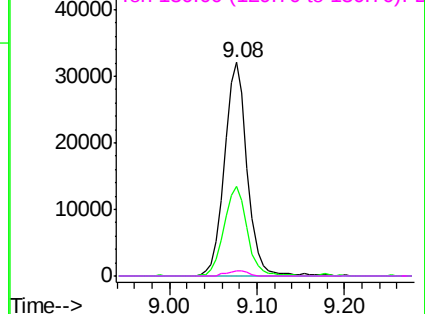


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

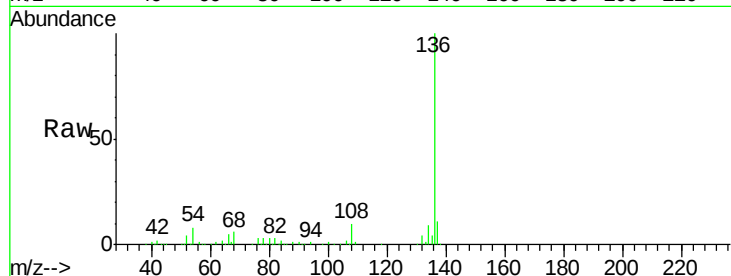




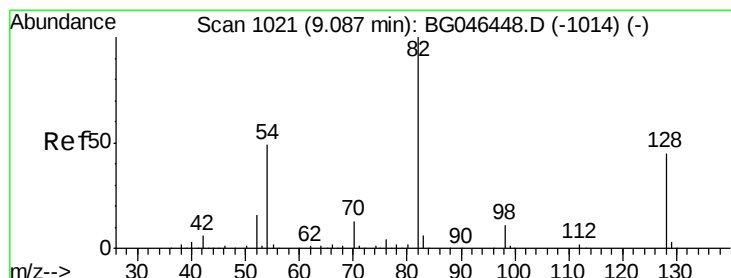
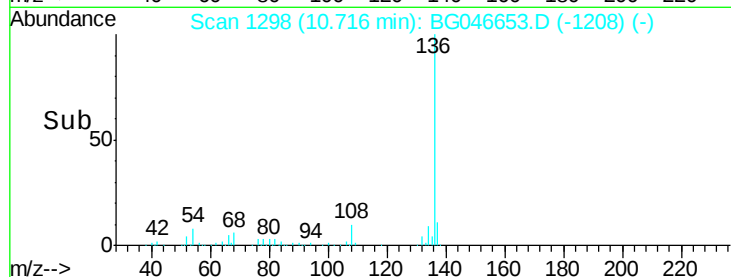
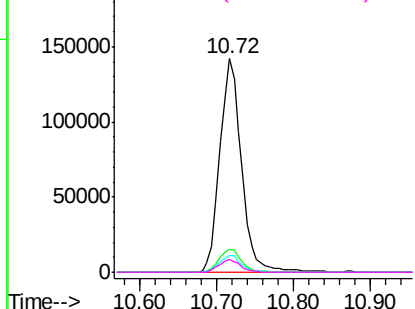
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG046653.D
Acq: 16 Sep 2020 23:22

Instrument :
BNA_G
ClientSampleId :
LACY-08

Tot Ion:136	Resp:	277884	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.1	13.7	
54 7.7	6.2	9.4	
68 6.3	5.0	7.4	

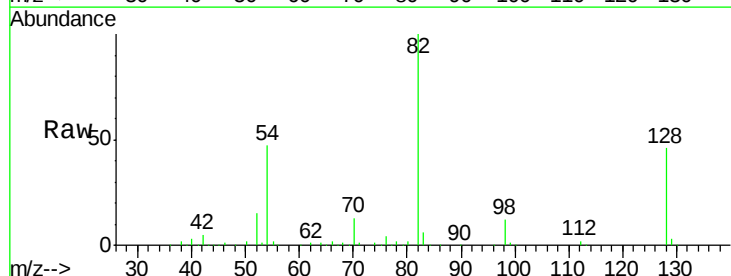


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

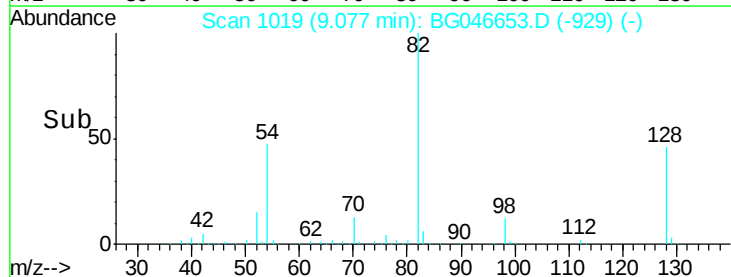
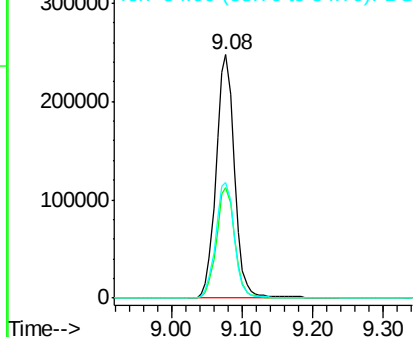


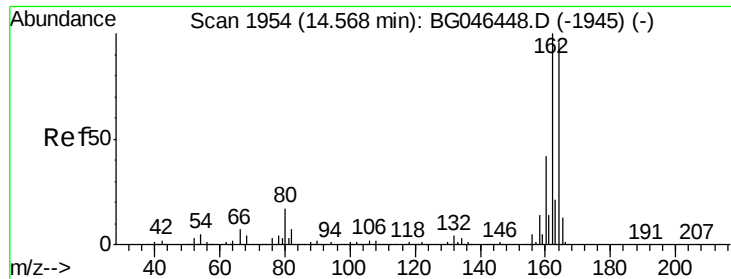
#23
Nitrobenzene-d5
Concen: 92.410 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG046653.D
Acq: 16 Sep 2020 23:22

Tgt Ion: 82	Resp: 449289
Ion Ratio	Lower Upper
82 100	
128 45.5	37.0 55.6
54 47.4	39.0 58.4



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG046653.D

Acq: 16 Sep 2020 23:22

Instrument :

BNA_G

ClientSampleId :

LACY-08

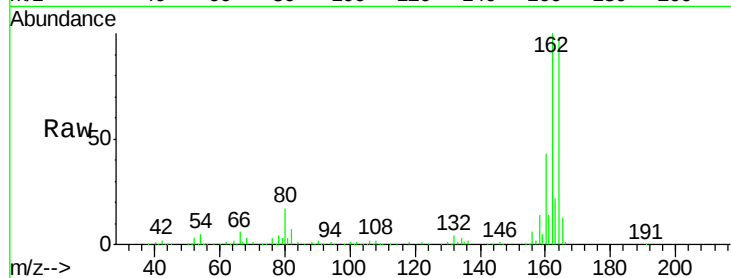
Tot Ion:164 Resp: 192710

Ion Ratio Lower Upper

164 100

162 101.7 82.3 123.5

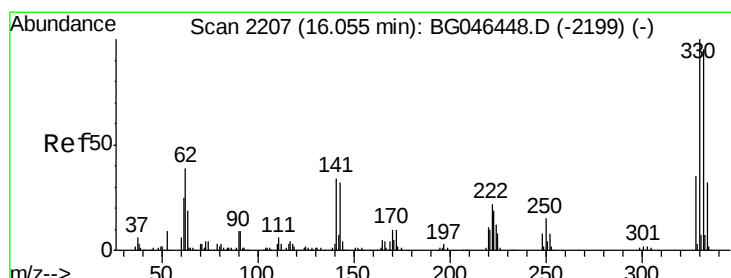
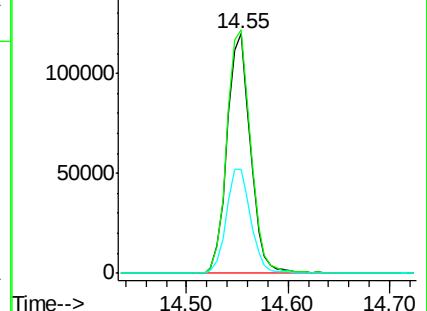
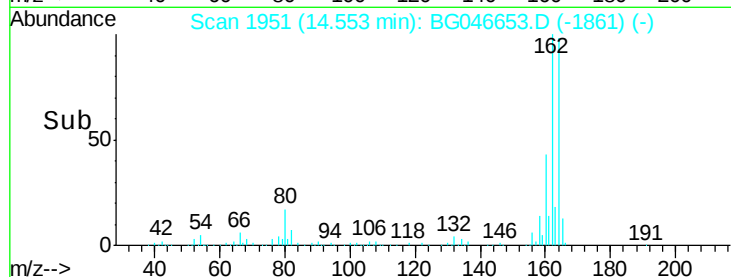
160 43.6 35.3 52.9



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: 97.847 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BG046653.D

Acq: 16 Sep 2020 23:22

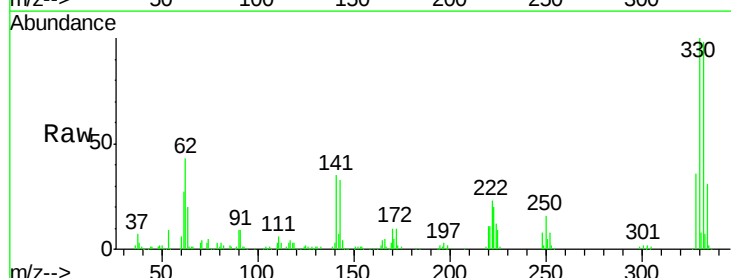
Tgt Ion:330 Resp: 255488

Ion Ratio Lower Upper

330 100

332 98.5 76.5 114.7

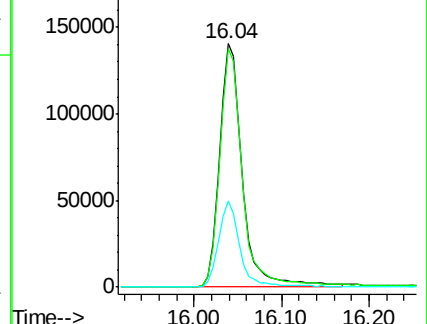
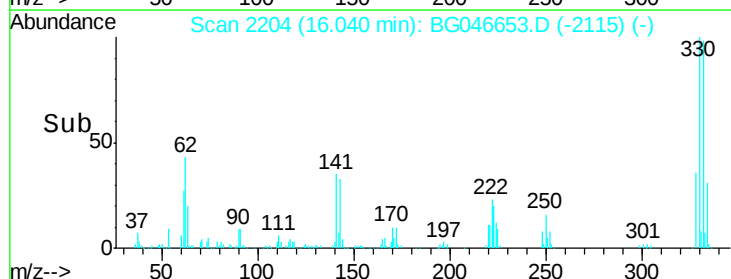
141 33.5 26.0 39.0

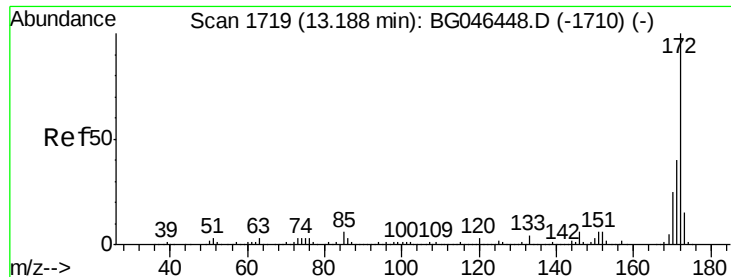


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

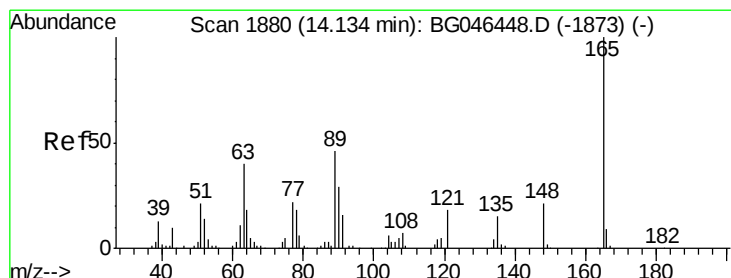
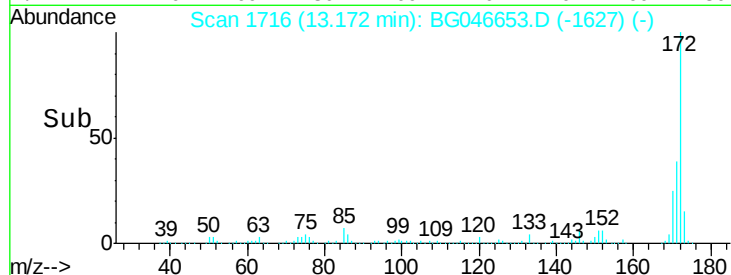
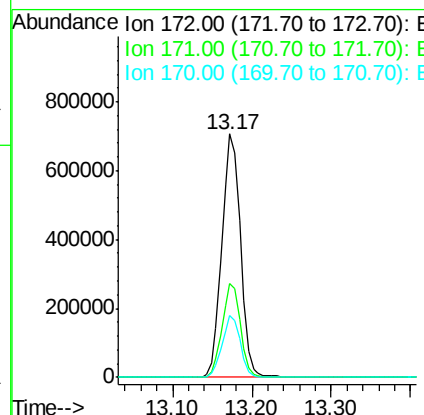
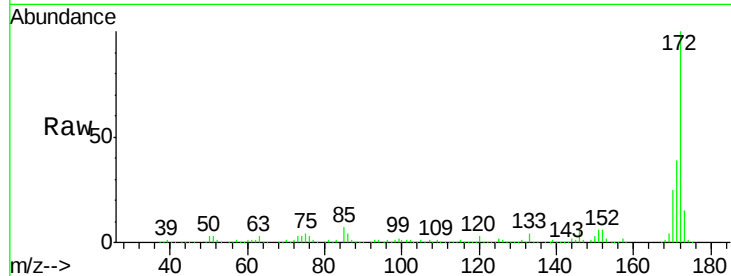




#45
2-Fluorobiphenyl
Concen: 91.730 ng
RT: 13.17 min Scan# 1716
Delta R.T. -0.00 min
Lab File: BG046653.D
Acq: 16 Sep 2020 23:22

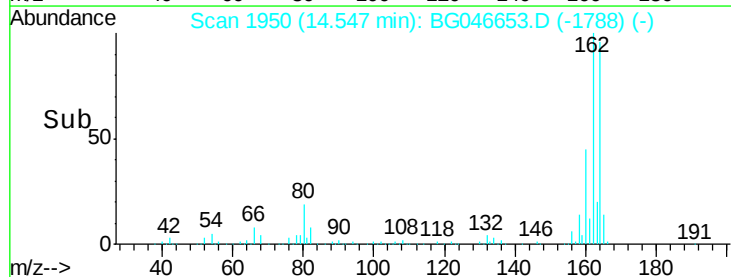
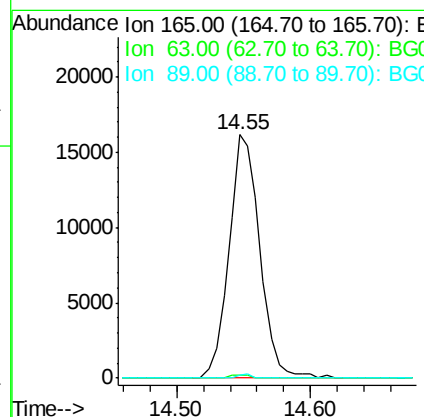
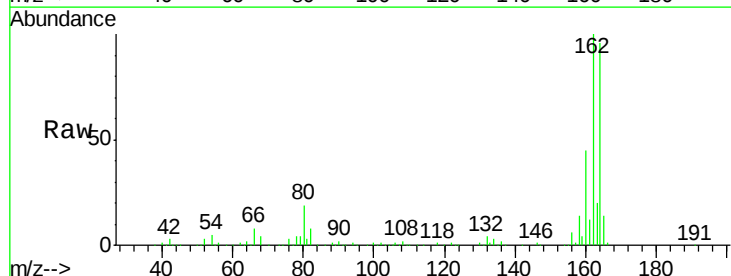
Instrument :
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LACY-08

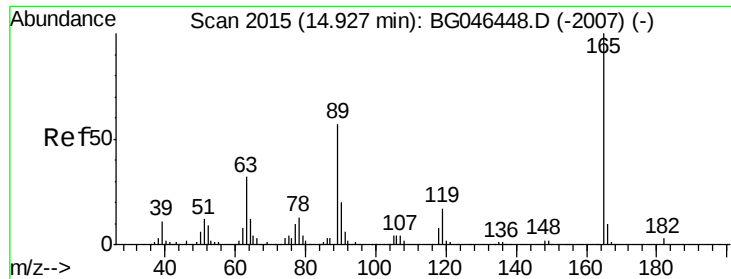
Tot Ion:172 Resp: 1157984
Ion Ratio Lower Upper
172 100
171 38.7 31.3 46.9
170 25.2 20.8 31.2



#51
2,6-Dinitrotoluene
Concen: 7.883 ng
RT: 14.55 min Scan# 1950
Delta R.T. 0.42 min
Lab File: BG046653.D
Acq: 16 Sep 2020 23:22

Tgt Ion:165 Resp: 25907
Ion Ratio Lower Upper
165 100
63 1.2 33.7 50.5#
89 1.4 36.6 54.8#

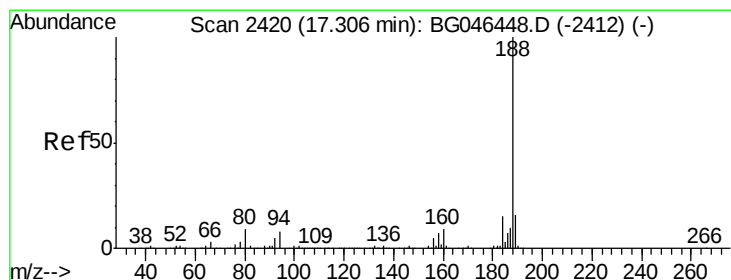
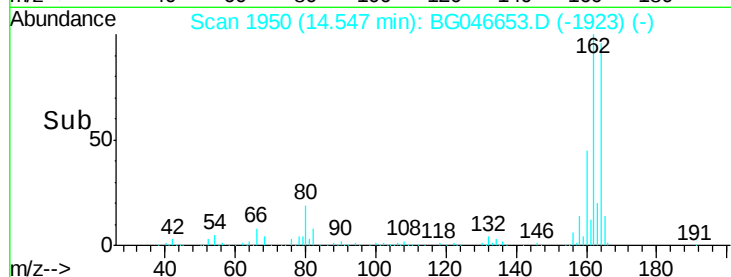
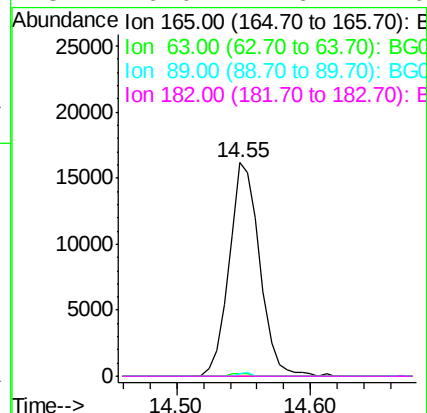
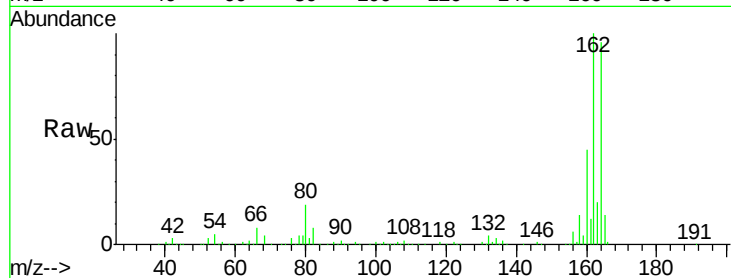




#57
 2,4-Dinitrotoluene
 Concen: 5.528 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG046653.D
 Acq: 16 Sep 2020 23:22

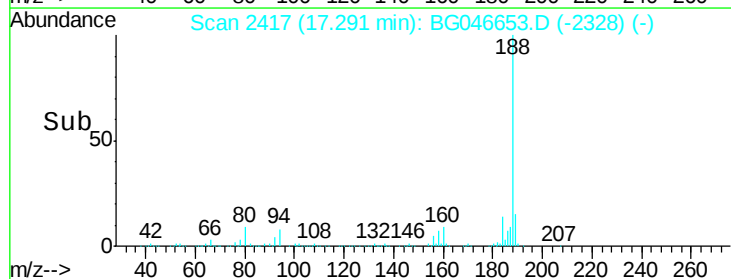
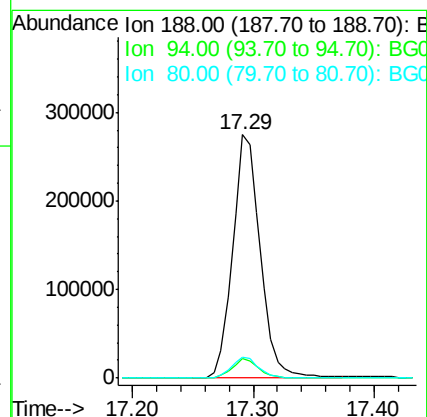
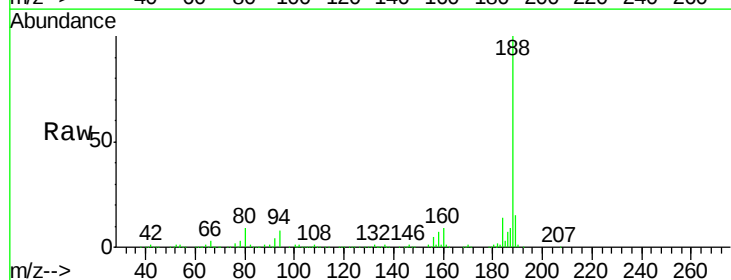
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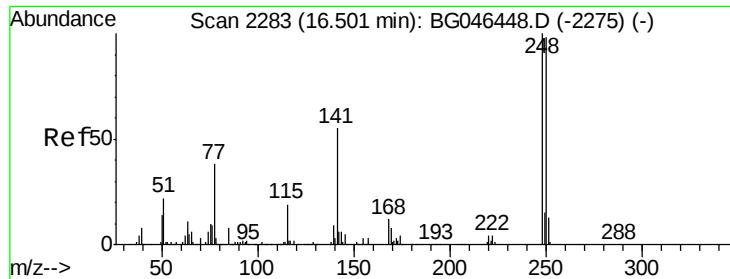
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	26.4	39.6#
89	1.4	47.8	71.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: BG046653.D
 Acq: 16 Sep 2020 23:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.3	9.5
80	8.7	7.0	10.6

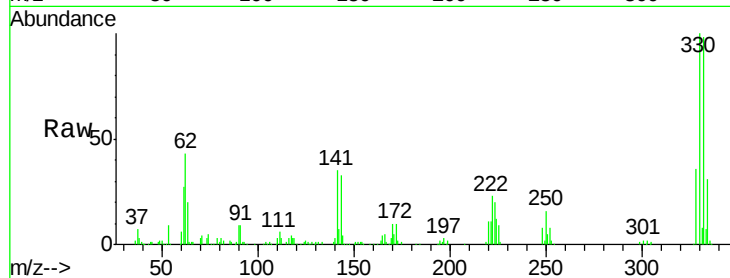




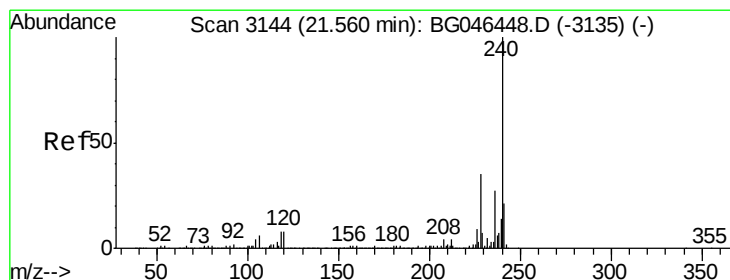
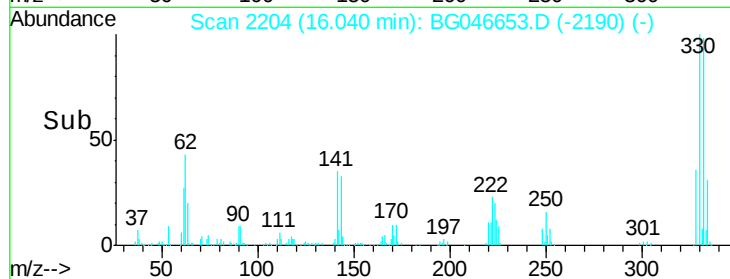
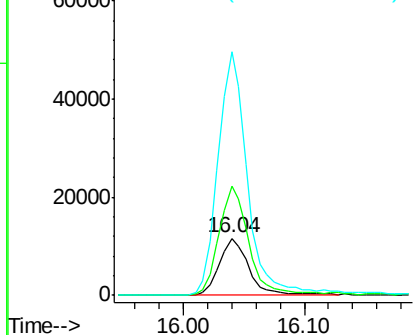
#67
4-Bromophenyl-phenylether
Concen: 3.870 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.44 min
Lab File: BG046653.D
Acq: 16 Sep 2020 23:22

Instrument :
BNA_G
ClientSampleId :
LACY-08

Tot Ion:248 Resp: 19747
Ion Ratio Lower Upper
248 100
250 190.6 78.9 118.3#
141 424.8 46.2 69.4#

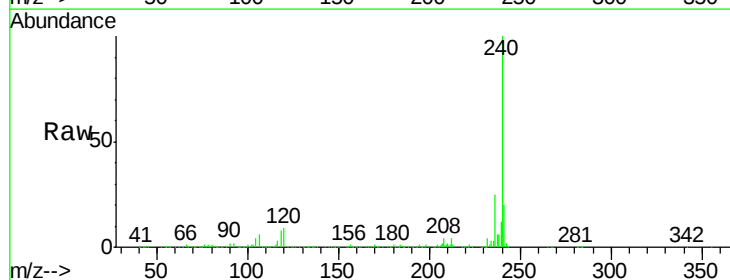


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

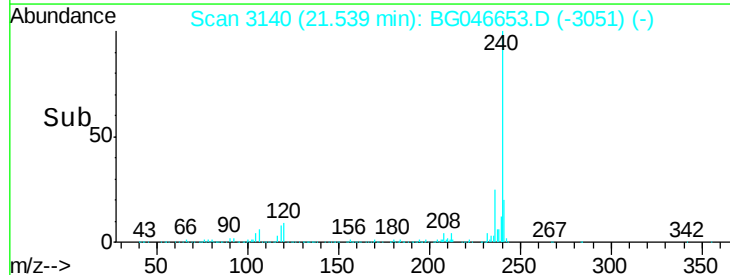
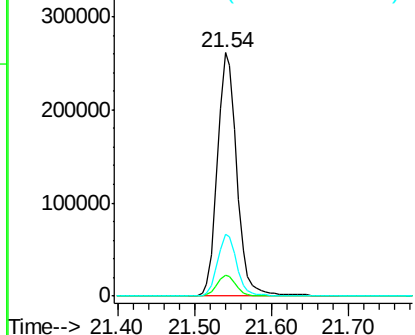


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046653.D
Acq: 16 Sep 2020 23:22

Tgt Ion:240 Resp: 454691
Ion Ratio Lower Upper
240 100
120 8.7 6.2 9.4
236 25.3 20.5 30.7



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: 2.587 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.39 min

Lab File: BG046653.D

Acq: 16 Sep 2020 23:22

Instrument :

BNA_G

ClientSampled :

LACY-08

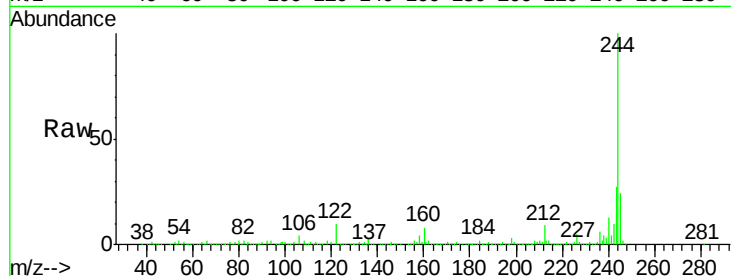
Tot Ion:184 Resp: 27333

Ion Ratio Lower Upper

184 100

185 18.0 12.4 18.6

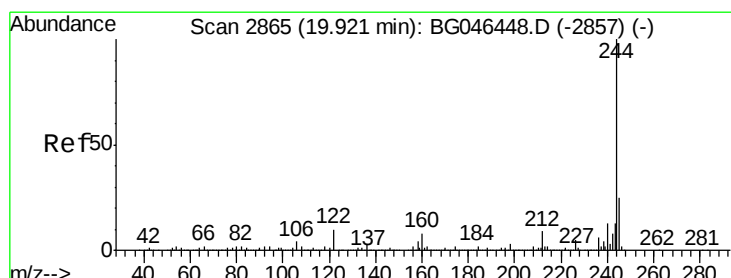
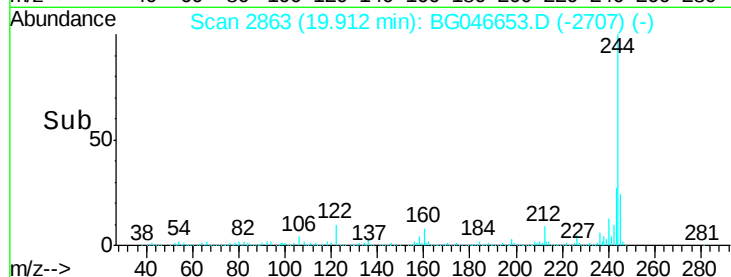
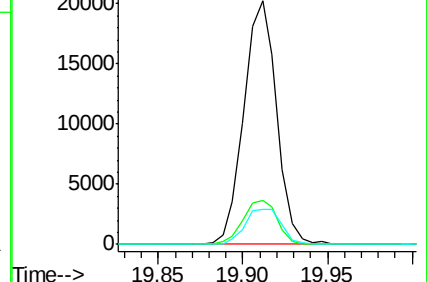
183 14.6 10.6 15.8



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: 82.561 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG046653.D

Acq: 16 Sep 2020 23:22

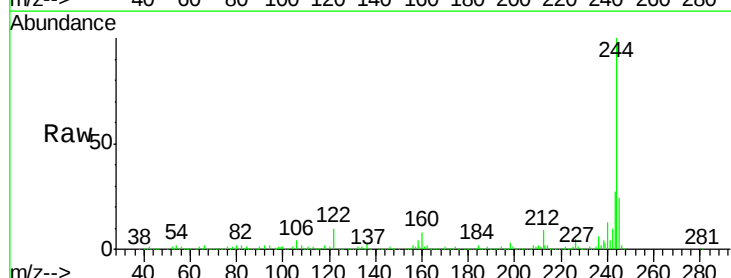
Tgt Ion:244 Resp: 1763945

Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

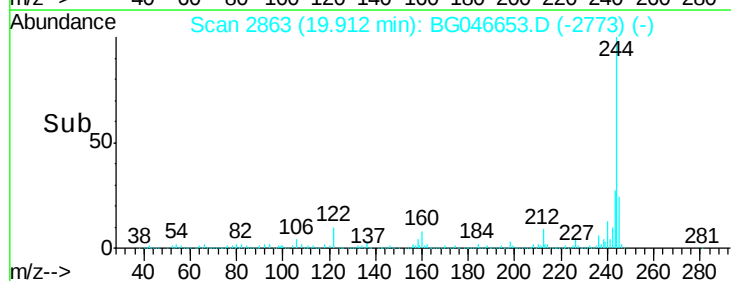
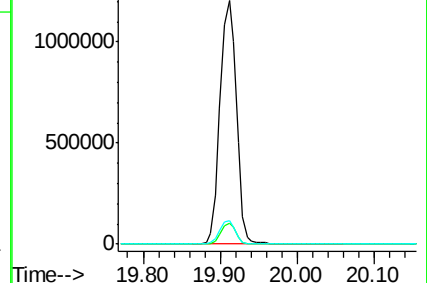
122 9.8 7.8 11.6

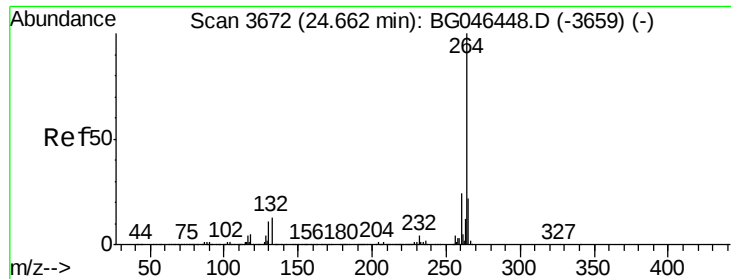


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG046653.D
Acq: 16 Sep 2020 23:22

Instrument :
BNA_G
ClientSampleId :
LACY-08

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.0	18.8	28.2	
265	21.9	17.8	26.8	

