

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091420\
 Data File : BG046615.D
 Acq On : 14 Sep 2020 22:12
 Operator : CG/JU
 Sample : L3976-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BSY-WC-S-SB-0102MS

Quant Time: Sep 15 01:27:30 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 02 15:06:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	63094	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	248311	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	174347	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	439780	20.00	ng	0.00
76) Chrysene-d12	21.55	240	481074	20.00	ng	0.00
86) Perylene-d12	24.65	264	458772	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	365814	102.69	ng	0.00
7) Phenol-d6	7.10	99	431949	85.54	ng	0.00
23) Nitrobenzene-d5	9.08	82	348348	80.18	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	242863	102.81	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	913836	80.01	ng	0.00
79) Terphenyl-d14	19.91	244	1640285	72.56	ng	0.00

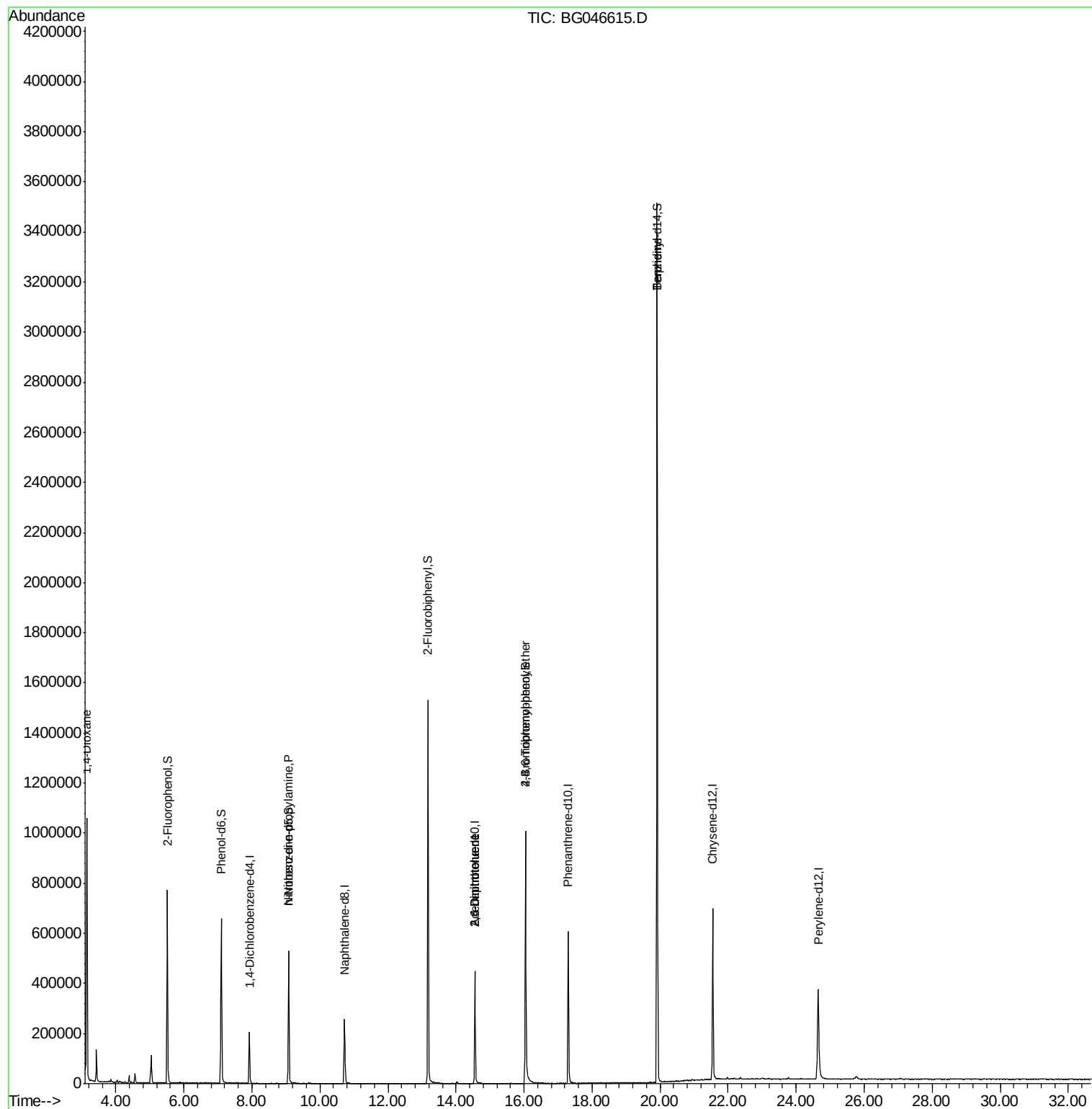
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	10574	7.135	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	44078	14.592	ng	# 77
51) 2,6-Dinitrotoluene	14.55	165	22637	7.613	ng	# 33
57) 2,4-Dinitrotoluene	14.55	165	22711	5.357	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	18248	3.557	ng	# 1
77) Benzidine	19.91	184	24646	2.205	ng	# 94

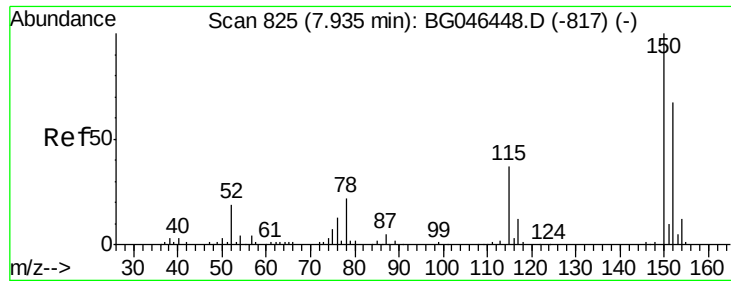
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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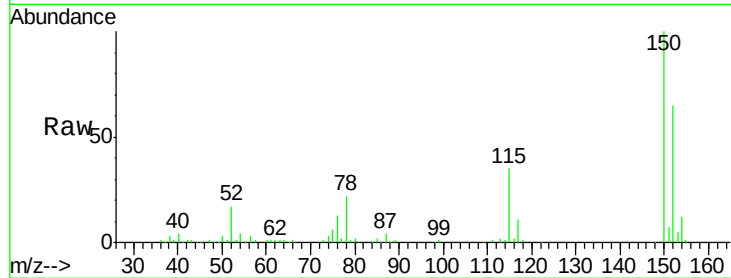


#1

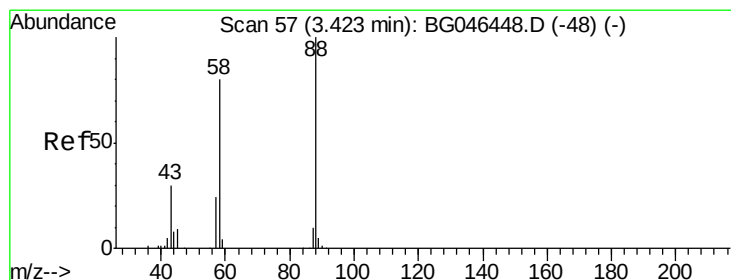
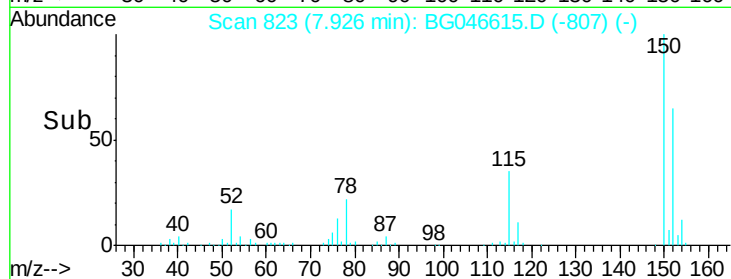
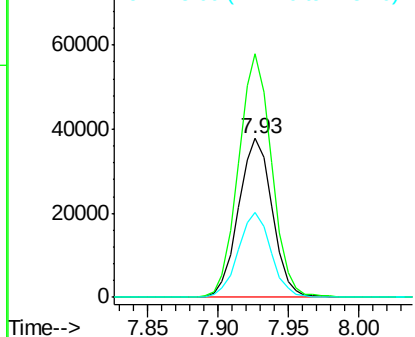
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BG046615.D
Acq: 14 Sep 2020 22:12

Instrument :
BNA_G
ClientSampleId :
BSY-WC-S-SB-0102MS

Tot Ion:152 Resp: 63094
Ion Ratio Lower Upper
152 100
150 153.4 119.5 179.3
115 53.8 44.3 66.5



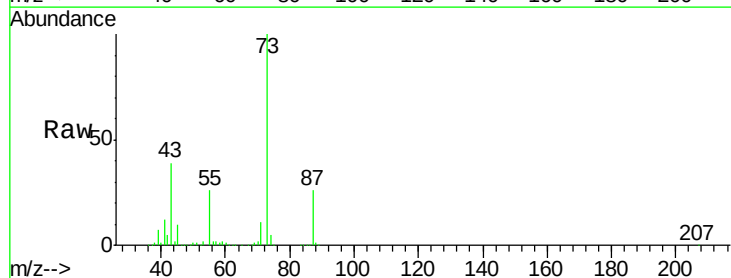
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



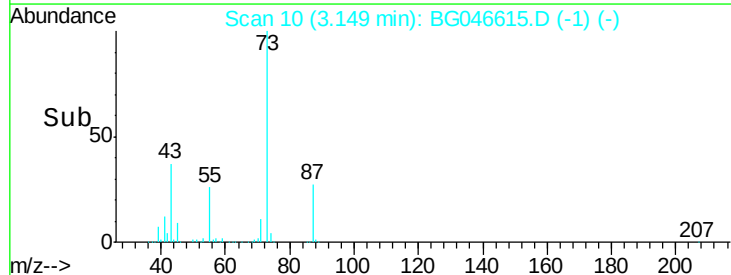
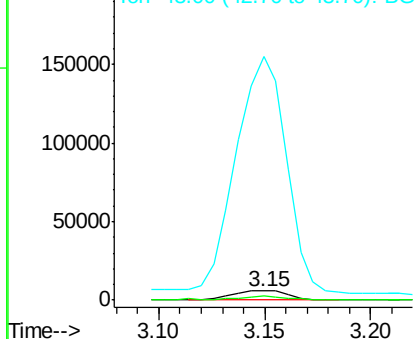
#2

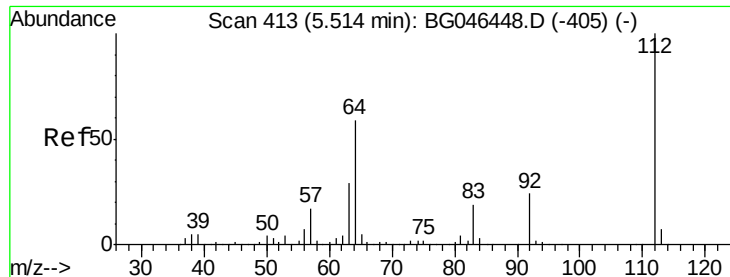
1,4-Dioxane
Concen: 7.135 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.27 min
Lab File: BG046615.D
Acq: 14 Sep 2020 22:12

Tgt Ion: 88 Resp: 10574
Ion Ratio Lower Upper
88 100
58 32.6 61.4 92.2#
43 2382.2 21.6 32.4#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 102.692 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

Instrument :

BNA_G

ClientSampleId :

BSY-WC-S-SB-0102MS

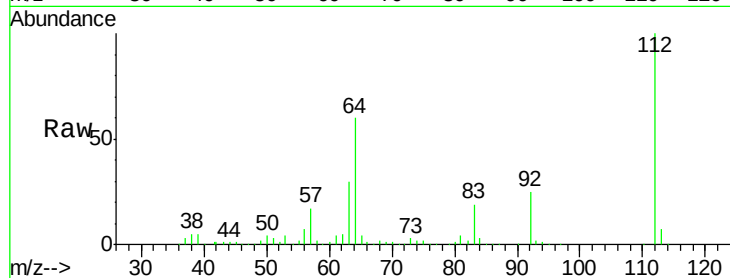
Tot Ion:112 Resp: 365814

Ion Ratio Lower Upper

112 100

64 60.2 47.0 70.6

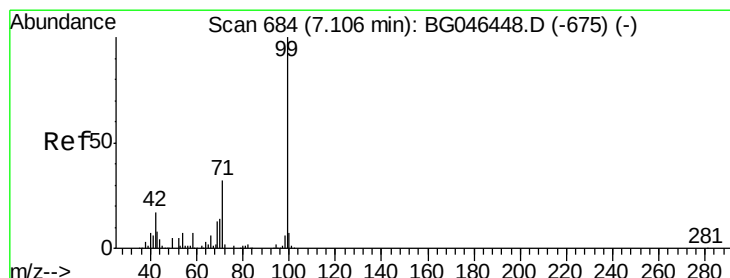
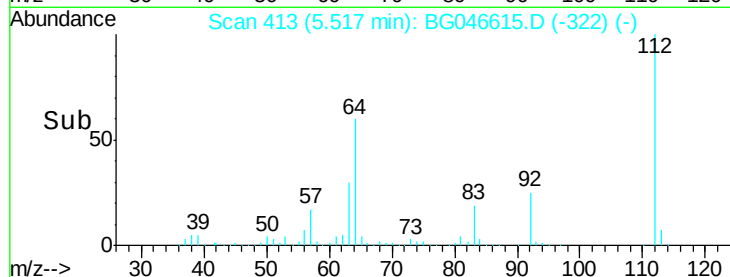
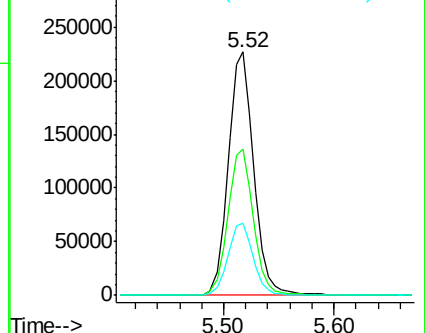
63 29.6 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 85.537 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

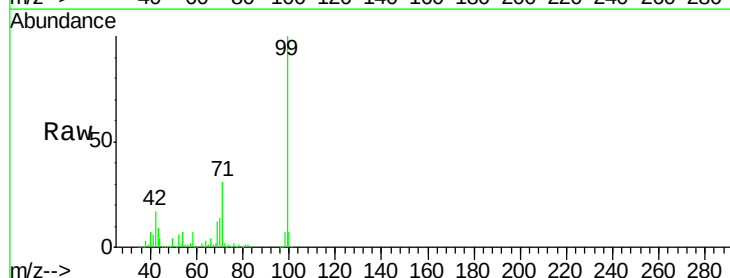
Tgt Ion: 99 Resp: 431949

Ion Ratio Lower Upper

99 100

42 16.6 13.3 19.9

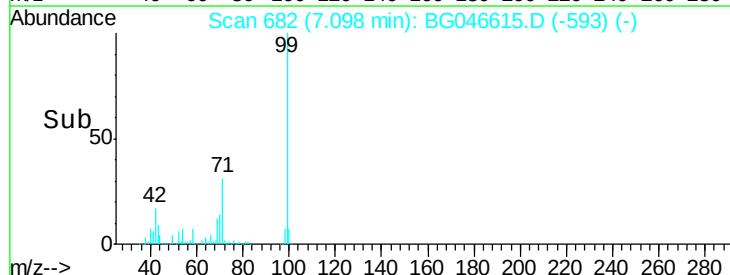
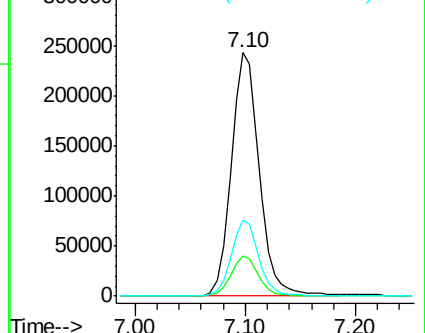
71 31.2 25.3 37.9

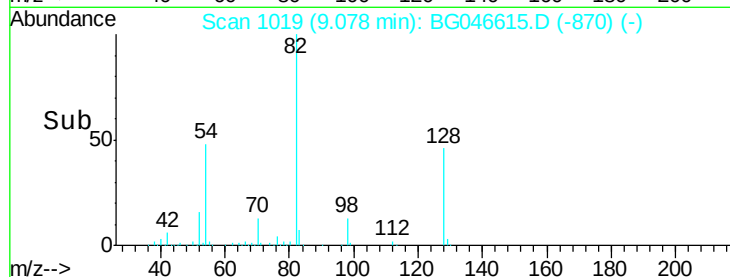
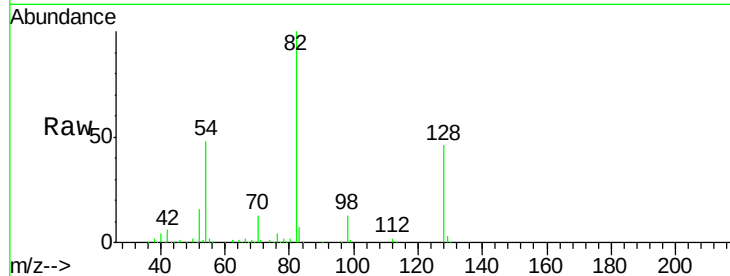
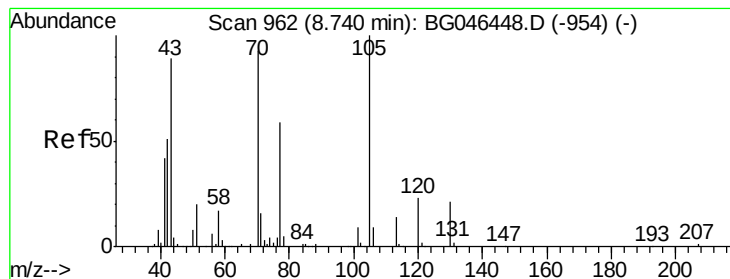


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.592 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.34 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

Instrument :

BNA_G

ClientSampleId :

BSY-WC-S-SB-0102MS

Tot Ion: 70 Resp: 44078

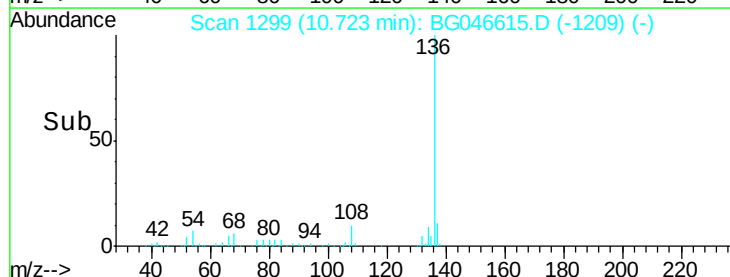
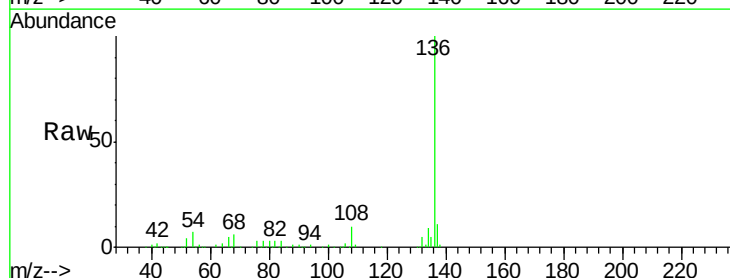
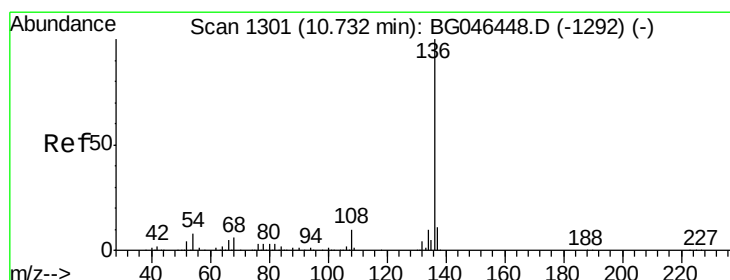
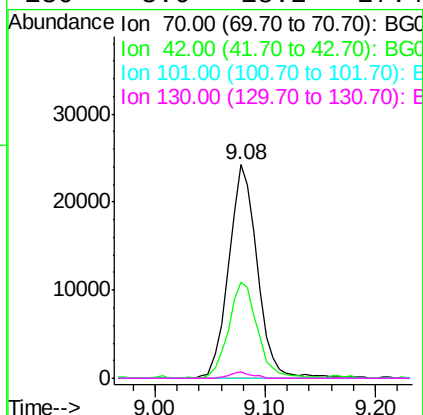
Ion Ratio Lower Upper

70 100

42 44.9 44.2 66.2

101 0.0 7.8 11.8#

130 3.0 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.72 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

Tgt Ion: 136 Resp: 248311

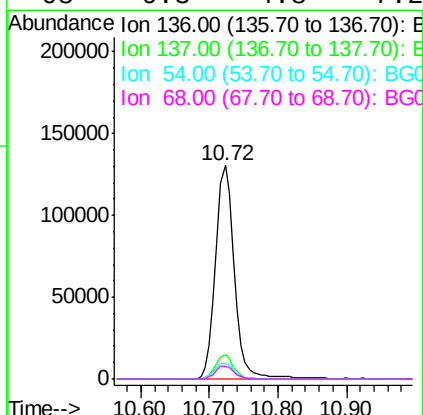
Ion Ratio Lower Upper

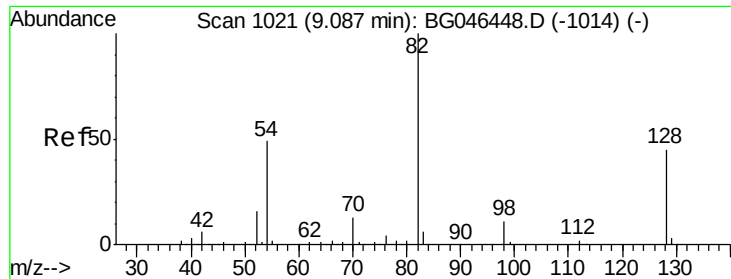
136 100

137 11.3 8.8 13.2

54 7.5 6.1 9.1

68 6.3 4.8 7.2

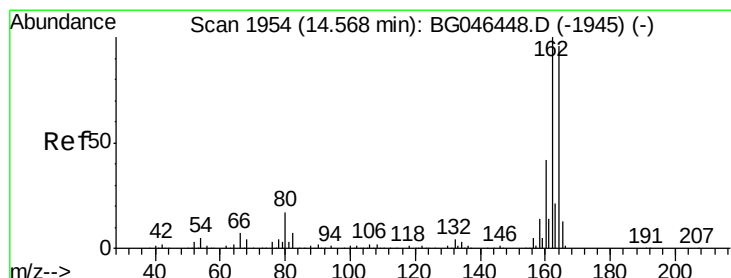
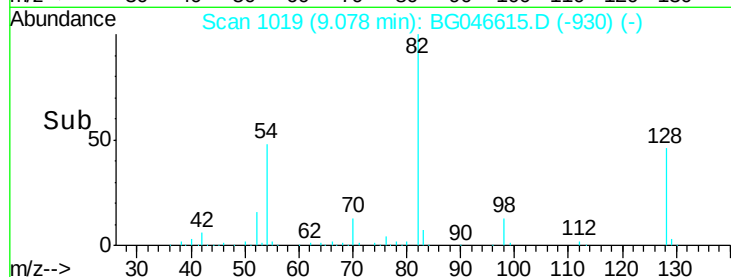
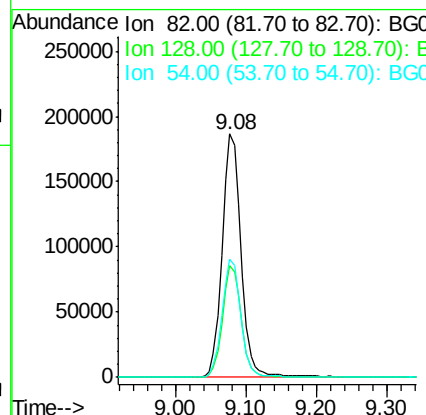
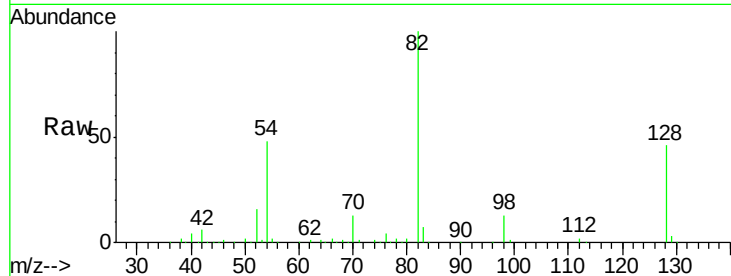




#23
 Nitrobenzene-d5
 Concen: 80.181 ng
 RT: 9.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG046615.D
 Acq: 14 Sep 2020 22:12

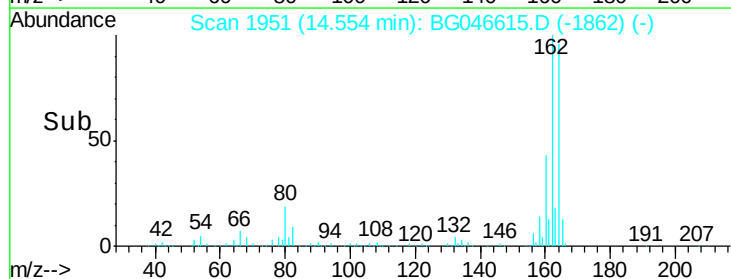
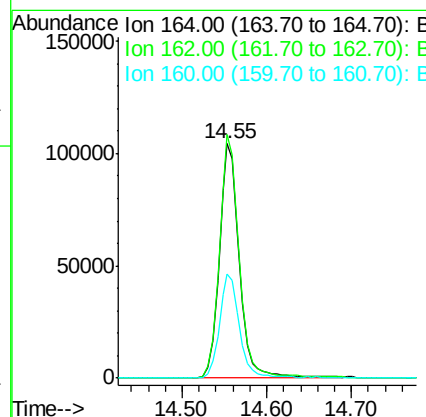
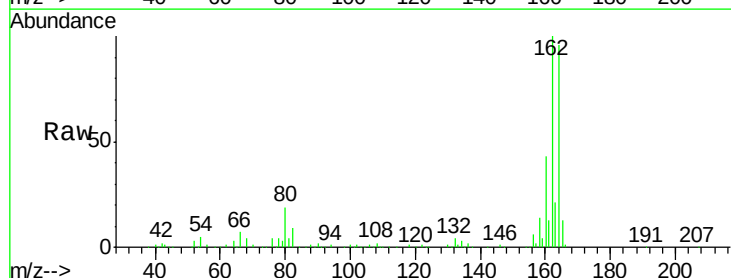
Instrument :
 BNA_G
 ClientSampleId :
 BSY-WC-S-SB-0102MS

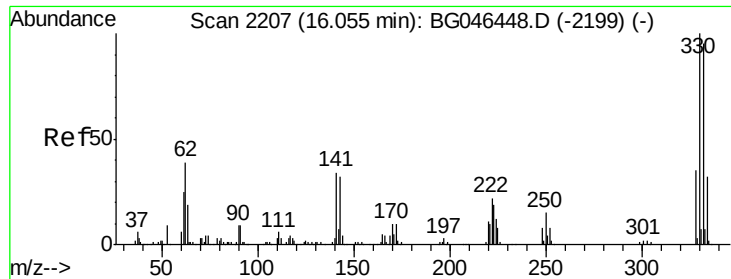
Tot Ion	82	Resp	348348
Ion Ratio	Lower	Upper	
82	100		
128	45.8	35.7	53.5
54	48.3	39.4	59.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: BG046615.D
 Acq: 14 Sep 2020 22:12

Tgt Ion	164	Resp	174347
Ion Ratio	Lower	Upper	
164	100		
162	104.0	83.3	124.9
160	44.4	35.0	52.6





#42

2,4,6-Tribromophenol

Concen: 102.809 ng

RT: 16.05 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

Instrument :

BNA_G

ClientSampleId :

BSY-WC-S-SB-0102MS

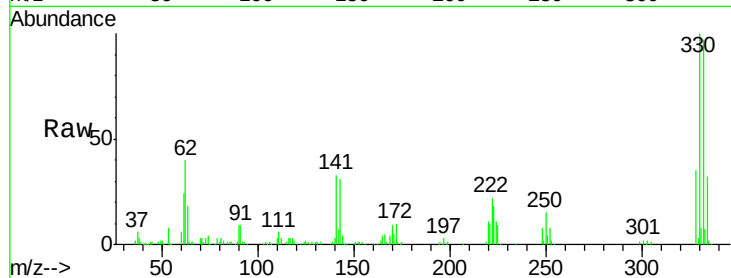
Tot Ion:330 Resp: 242863

Ion Ratio Lower Upper

330 100

332 99.5 76.1 114.1

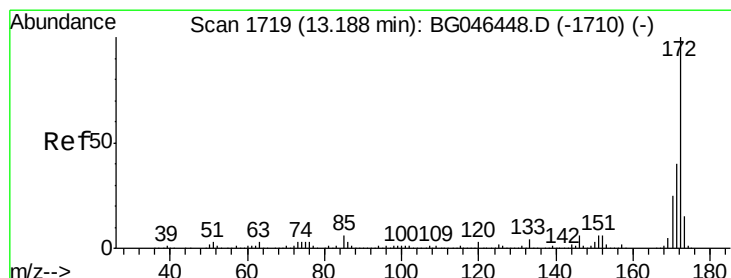
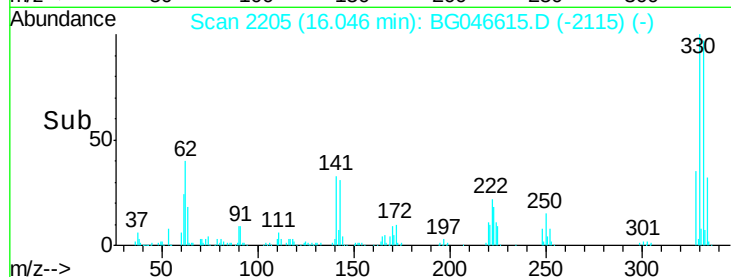
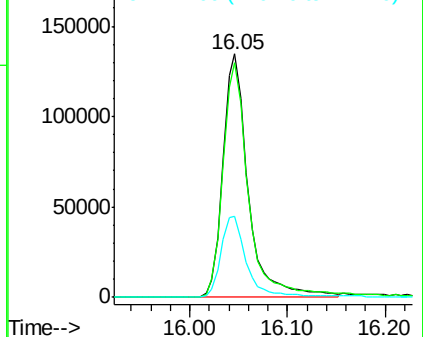
141 33.8 26.1 39.1



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: 80.014 ng

RT: 13.18 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

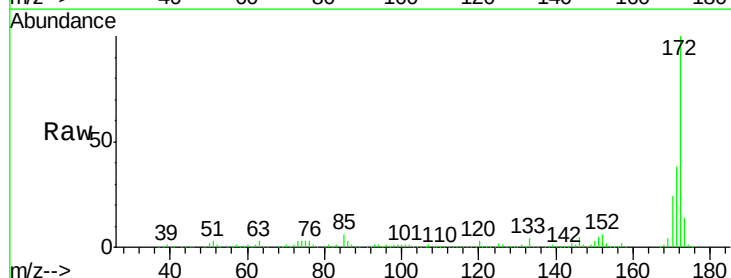
Tgt Ion:172 Resp: 913836

Ion Ratio Lower Upper

172 100

171 37.5 31.8 47.6

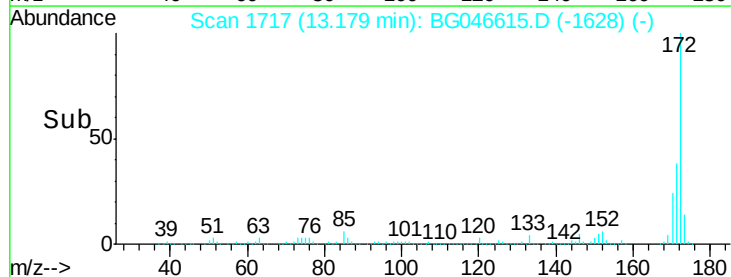
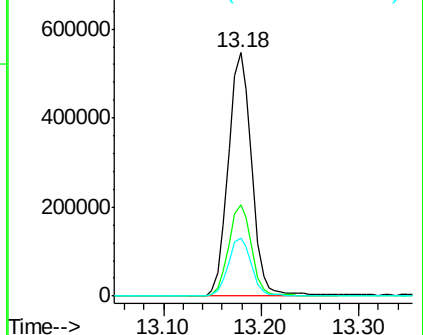
170 23.8 20.3 30.5

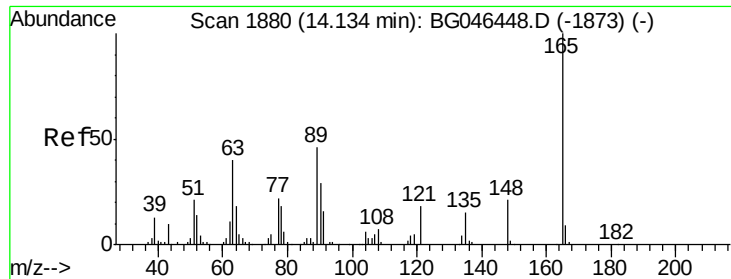


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

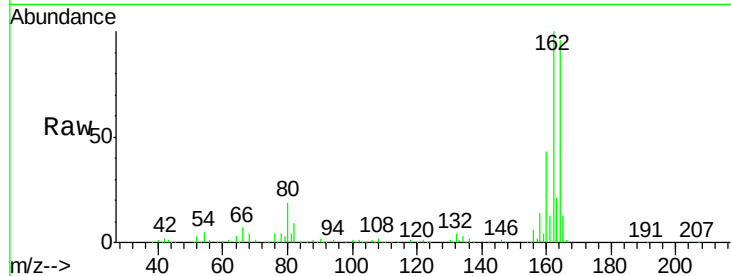




#51
 2,6-Dinitrotoluene
 Concen: 7.613 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.42 min
 Lab File: BG046615.D
 Acq: 14 Sep 2020 22:12

Instrument :
 BNA_G
 ClientSampleId :
 BSY-WC-S-SB-0102MS

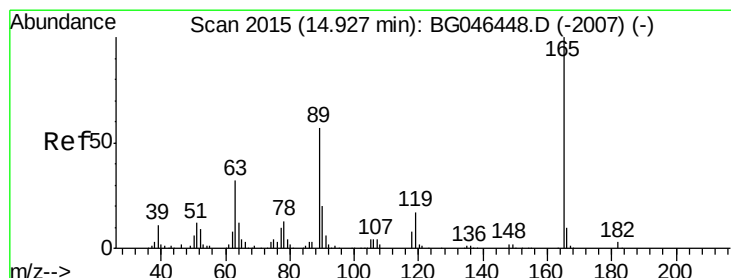
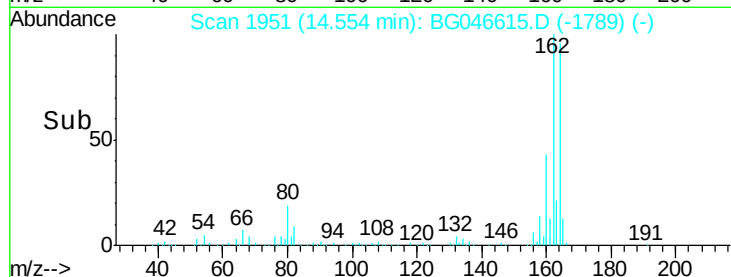
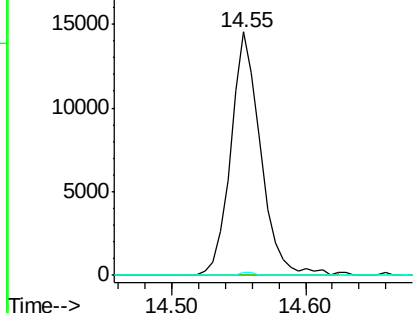
Tot Ion	165	Resp	22637
Ion Ratio	100	Lower	Upper
63	0.0	34.2	51.4#
89	1.3	37.0	55.4#



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



#57
 2,4-Dinitrotoluene
 Concen: 5.357 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.37 min
 Lab File: BG046615.D
 Acq: 14 Sep 2020 22:12

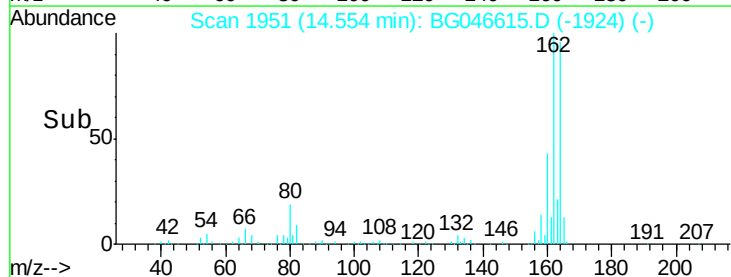
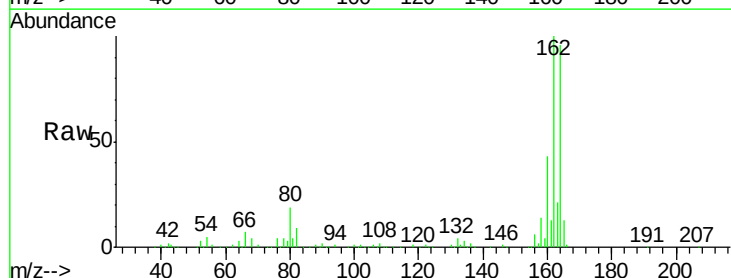
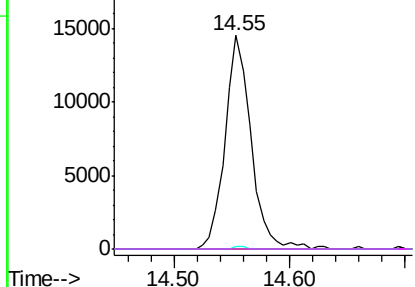
Tgt Ion	165	Resp	22711
Ion Ratio	100	Lower	Upper
63	0.0	25.4	38.0#
89	1.3	45.9	68.9#
182	0.0	2.3	3.5#

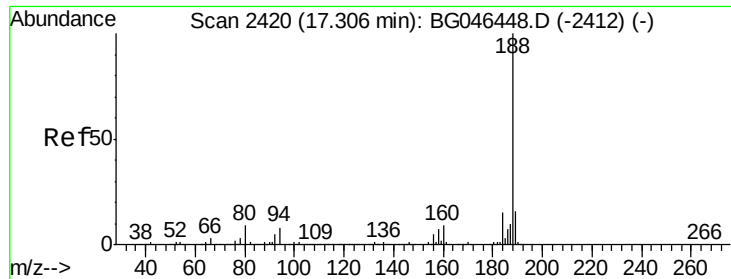
Abundance Ion 165.00 (164.70 to 165.70): E

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

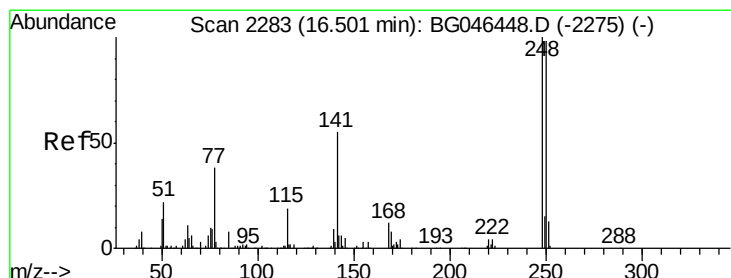
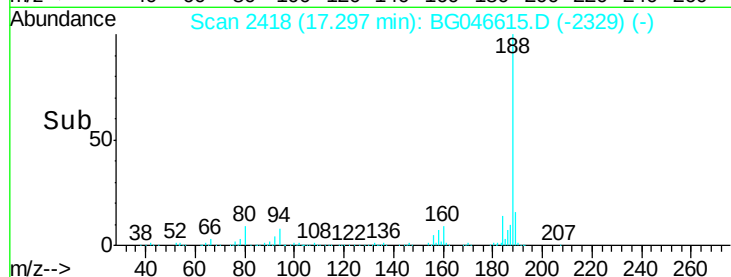
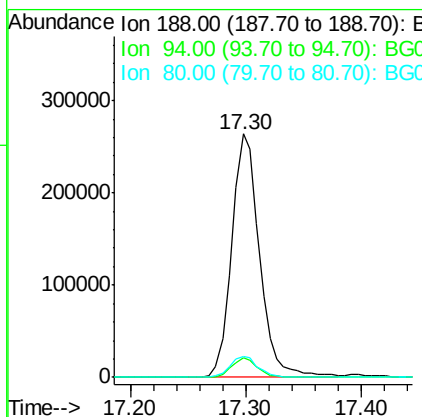
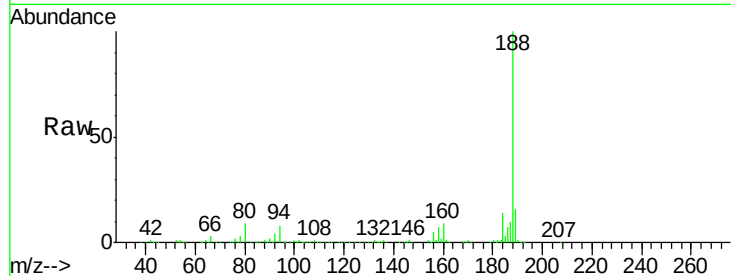




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BG046615.D
 Acq: 14 Sep 2020 22:12

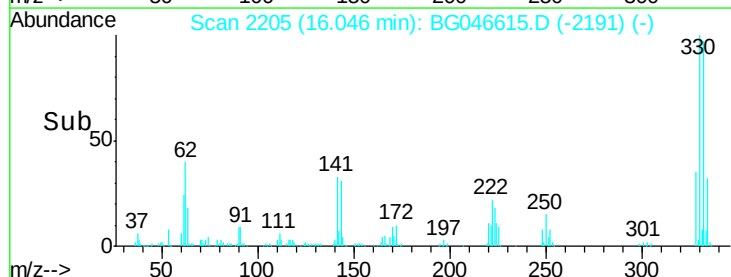
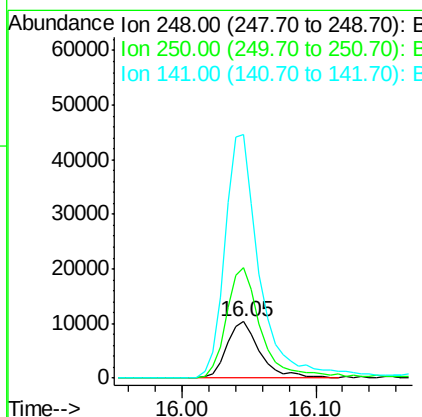
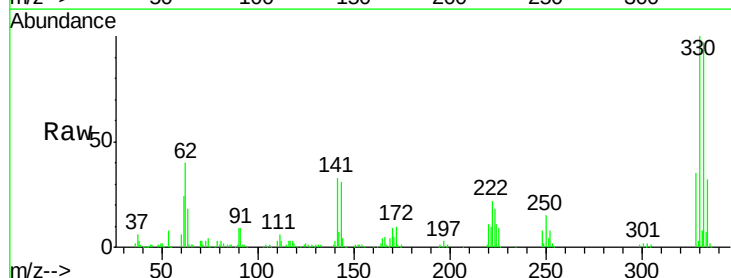
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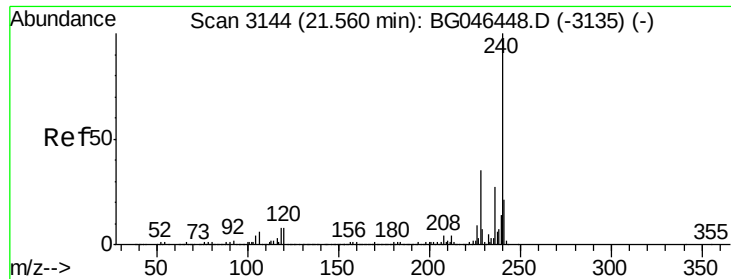
Tot Ion:188 Resp: 439780
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.3 9.5
 80 8.6 6.9 10.3



#67
 4-Bromophenyl-phenylether
 Concen: 3.557 ng
 RT: 16.05 min Scan# 2205
 Delta R.T. -0.45 min
 Lab File: BG046615.D
 Acq: 14 Sep 2020 22:12

Tgt Ion:248 Resp: 18248
 Ion Ratio Lower Upper
 248 100
 250 195.4 78.6 118.0#
 141 430.3 43.9 65.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

Instrument :

BNA_G

ClientSampled :

BSY-WC-S-SB-0102MS

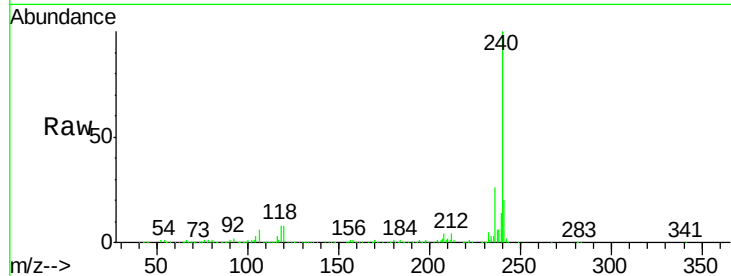
Tot Ion:240 Resp: 481074

Ion Ratio Lower Upper

240 100

120 8.1 6.6 10.0

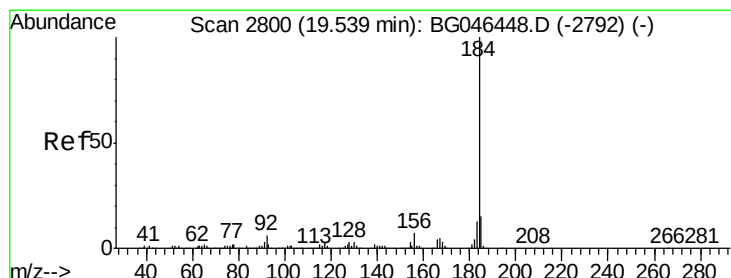
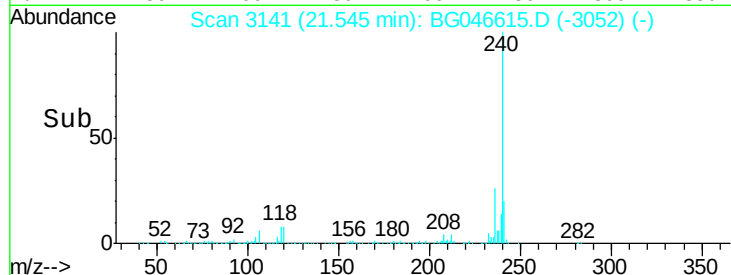
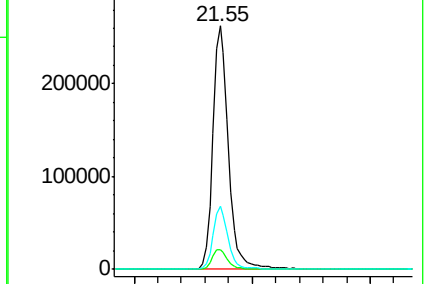
236 25.7 21.4 32.2



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: 2.205 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

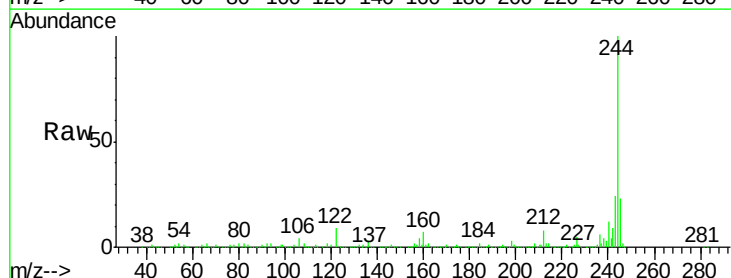
Tgt Ion:184 Resp: 24646

Ion Ratio Lower Upper

184 100

185 19.3 11.8 17.8#

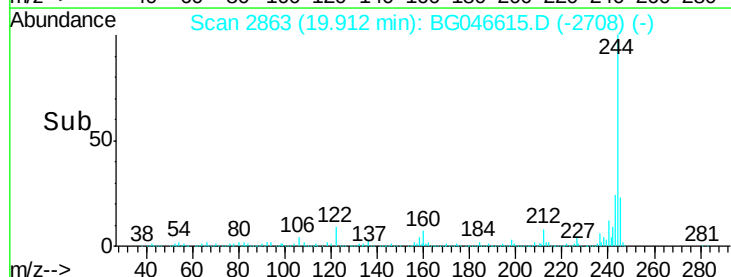
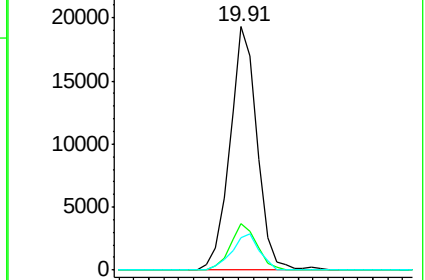
183 13.6 10.7 16.1

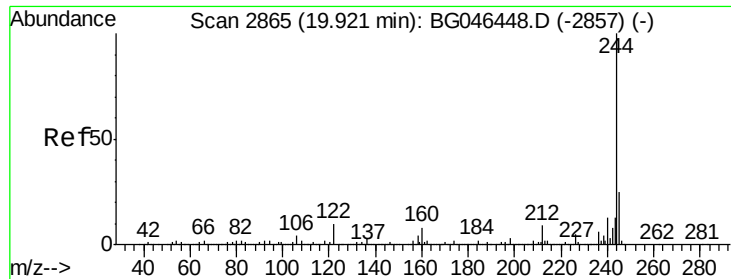


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 72.563 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

Instrument :

BNA_G

ClientSampleId :

BSY-WC-S-SB-0102MS

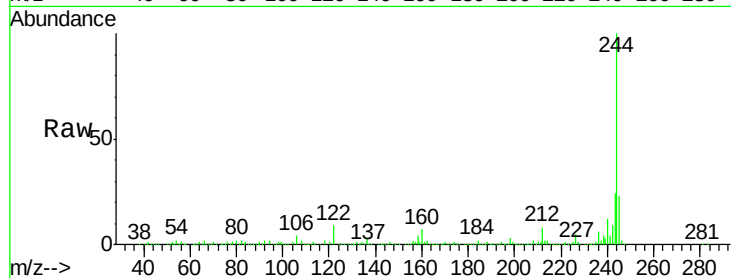
Tot Ion:244 Resp: 1640285

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

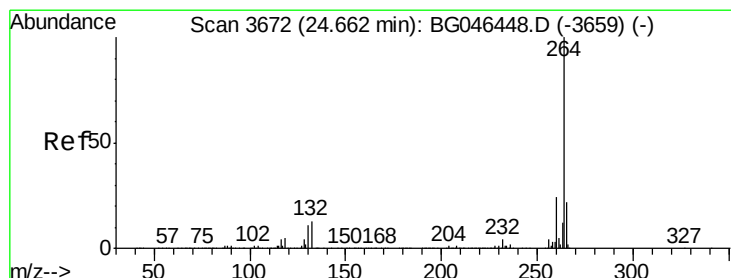
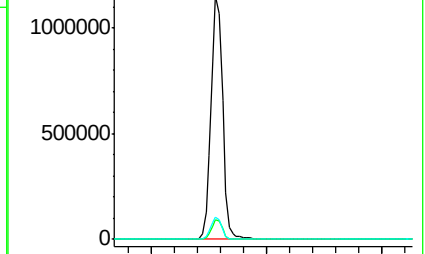
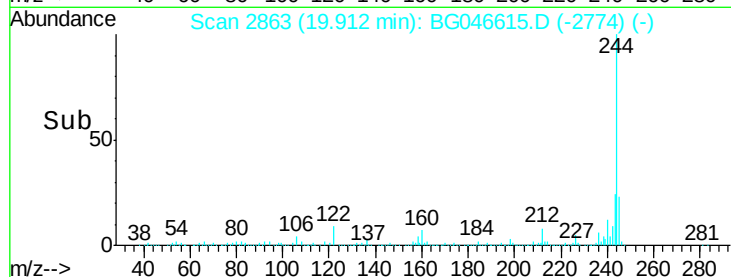
122 9.3 8.2 12.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BG046615.D

Acq: 14 Sep 2020 22:12

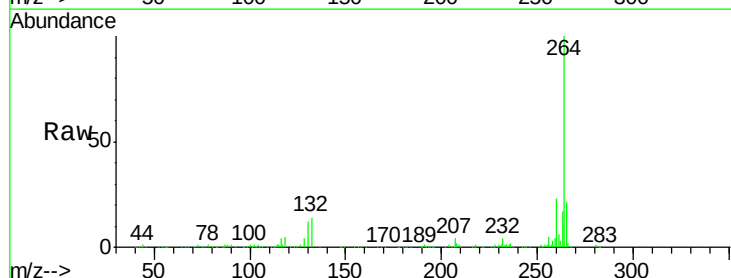
Tgt Ion:264 Resp: 458772

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.4 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

