

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046648.D
 Acq On : 16 Sep 2020 20:02
 Operator : CG/JU
 Sample : L3868-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-091520

Quant Time: Sep 17 00:35:10 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

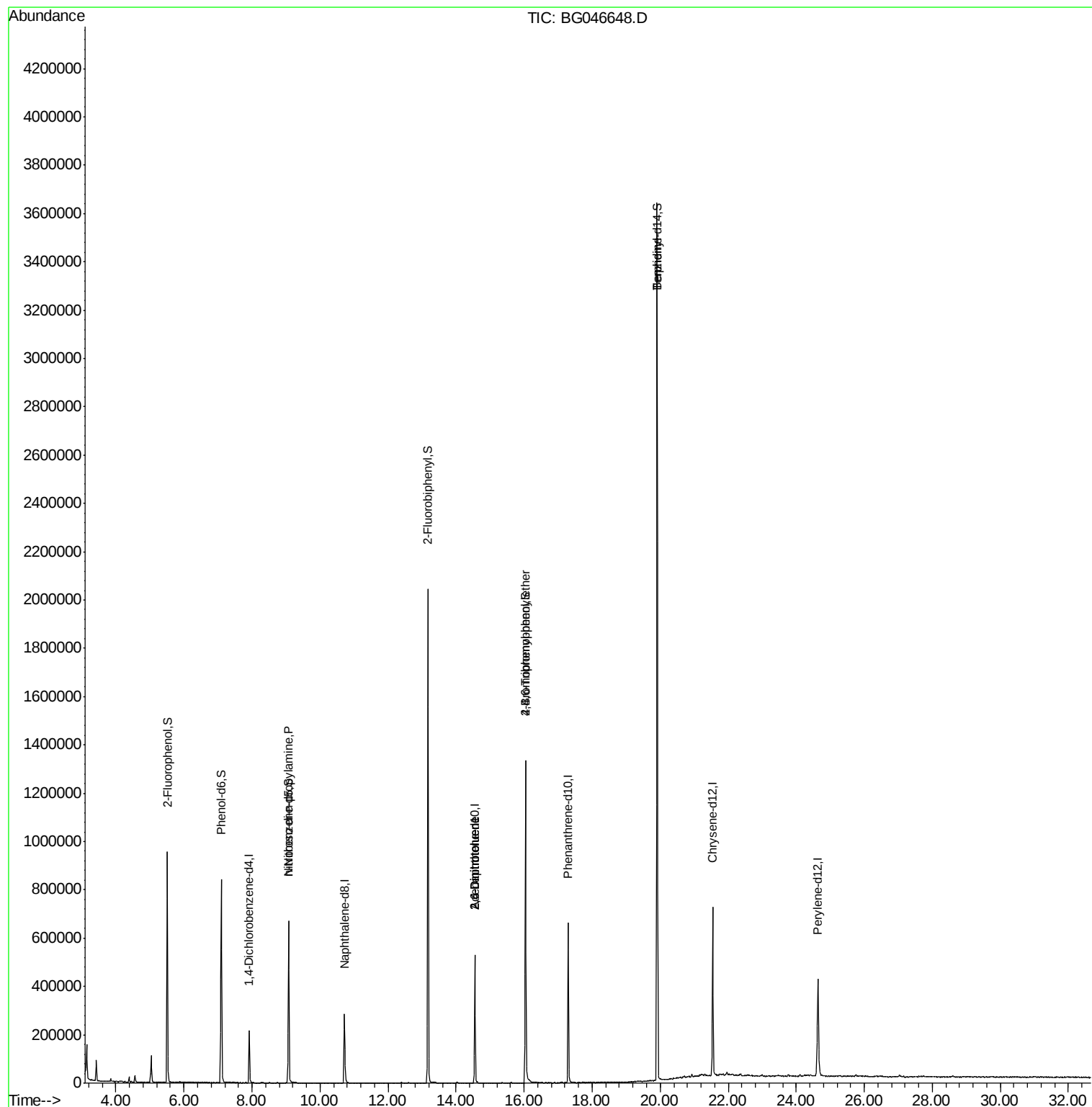
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	68540	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	282963	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	196606	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	435906	20.00	ng	0.00
76) Chrysene-d12	21.54	240	447474	20.00	ng	0.00
86) Perylene-d12	24.64	264	440044	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	443071	114.50	ng	0.00
7) Phenol-d6	7.09	99	547644	99.83	ng	0.00
23) Nitrobenzene-d5	9.07	82	443140	89.51	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	300678	112.87	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1149007	89.22	ng	0.00
79) Terphenyl-d14	19.91	244	1713114	81.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	55829	17.014	ng	# 77
51) 2,6-Dinitrotoluene	14.55	165	26033	7.764	ng	# 33
57) 2,4-Dinitrotoluene	14.55	165	26033	5.445	ng	# 31
67) 4-Bromophenyl-phenylether	16.04	248	22580	4.440	ng	# 1
77) Benzidine	19.91	184	26205	2.520	ng	93

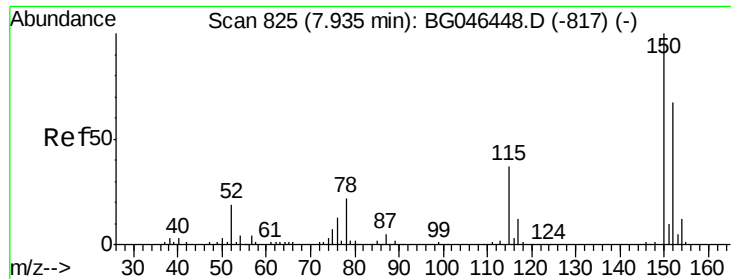
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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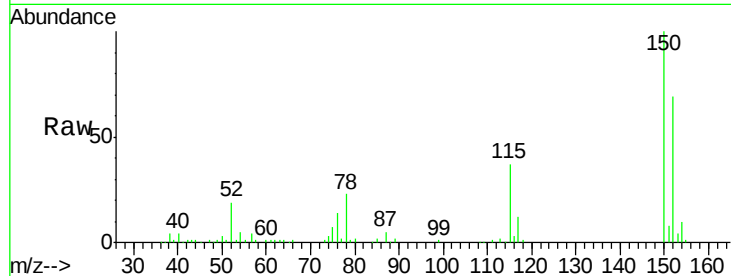


#1

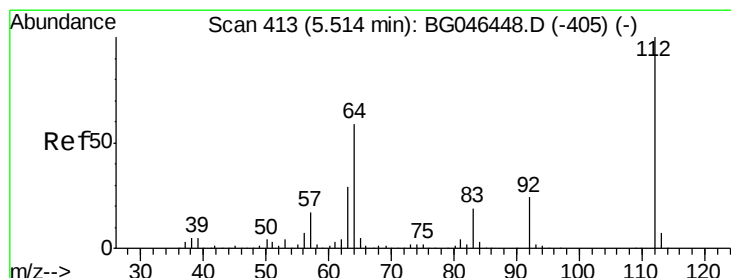
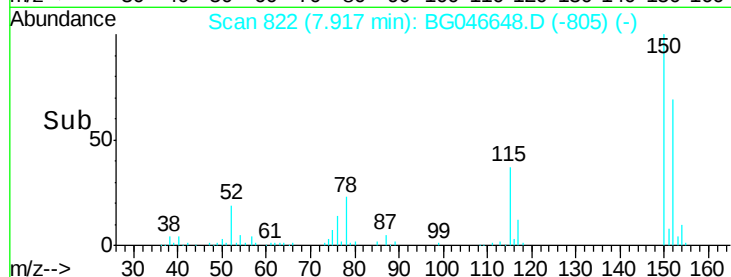
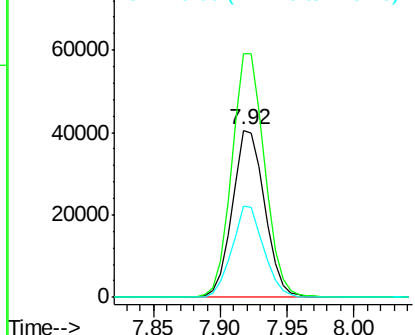
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BG046648.D
 Acq: 16 Sep 2020 20:02

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-091520

Tot Ion:152 Resp: 68540
 Ion Ratio Lower Upper
 152 100
 150 145.8 125.0 187.6
 115 54.5 41.8 62.6



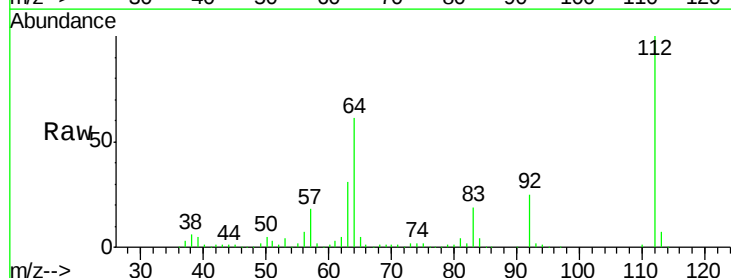
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



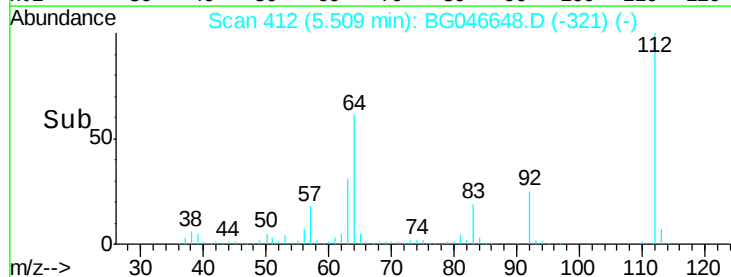
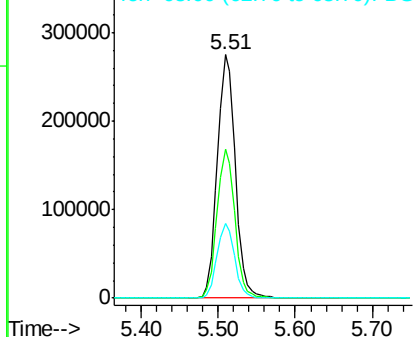
#5

2-Fluorophenol
 Concen: 114.497 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BG046648.D
 Acq: 16 Sep 2020 20:02

Tgt Ion:112 Resp: 443071
 Ion Ratio Lower Upper
 112 100
 64 61.0 46.7 70.1
 63 30.7 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: 99.830 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046648.D

Acq: 16 Sep 2020 20:02

Instrument :

BNA_G

ClientSampleId :

PL-02-091520

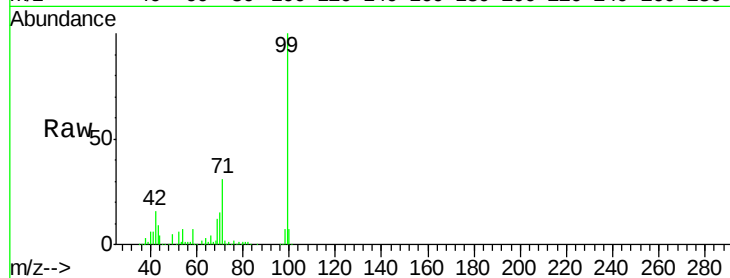
Tot Ion: 99 Resp: 547644

Ion Ratio Lower Upper

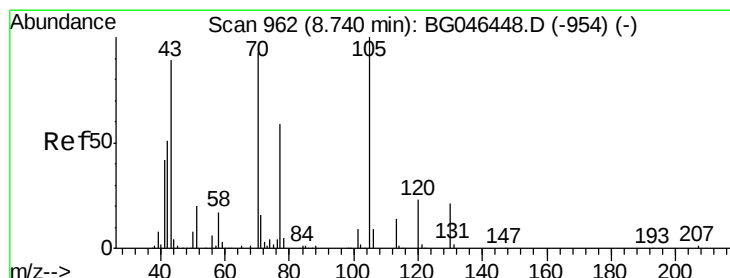
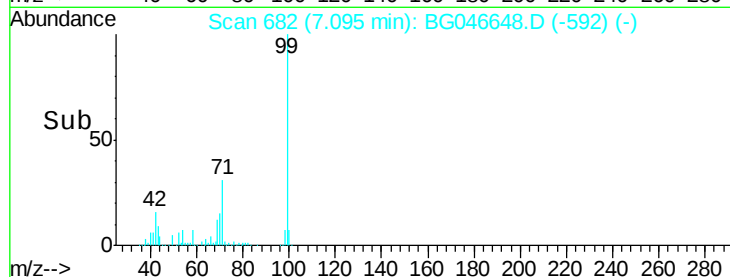
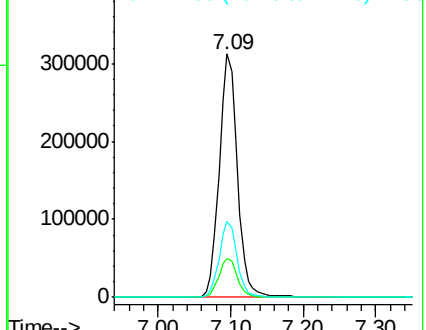
99 100

42 16.1 12.8 19.2

71 31.1 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: 17.014 ng

RT: 9.07 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046648.D

Acq: 16 Sep 2020 20:02

Tgt Ion: 70 Resp: 55829

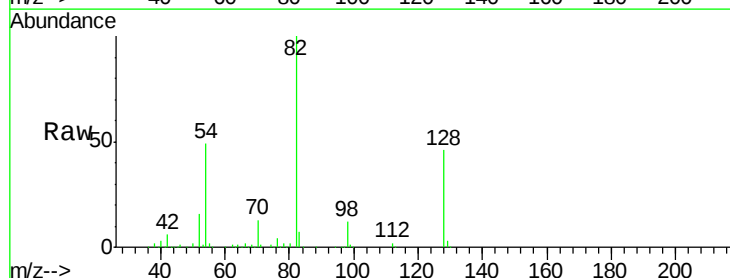
Ion Ratio Lower Upper

70 100

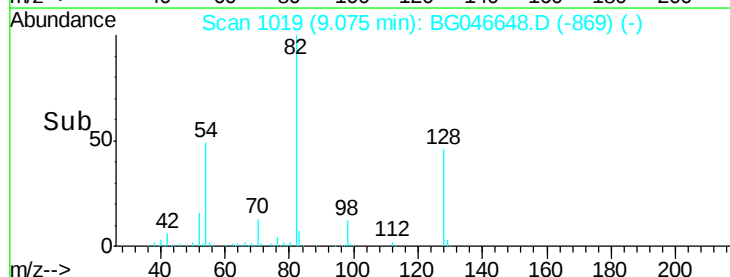
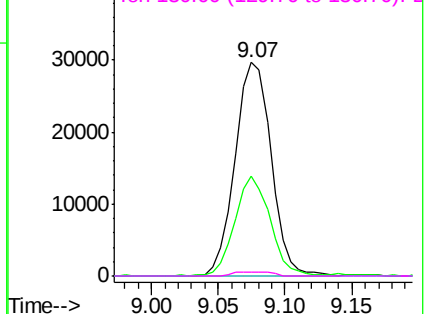
42 46.9 45.6 68.4

101 0.0 8.4 12.6#

130 2.0 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

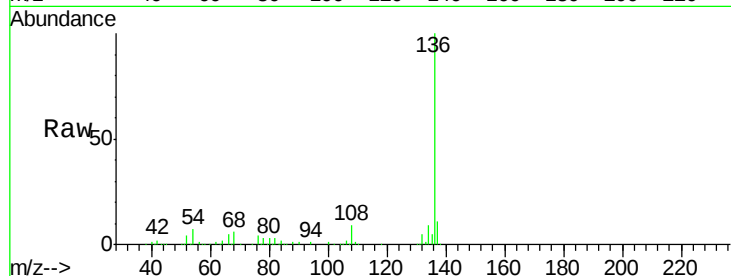




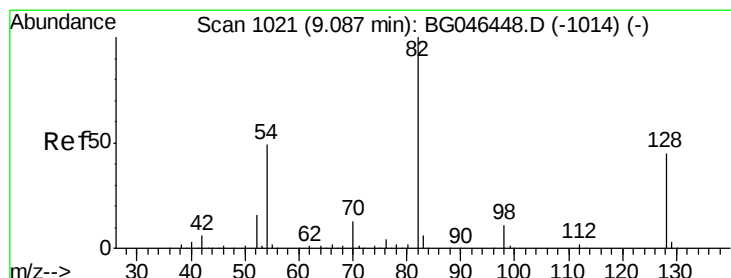
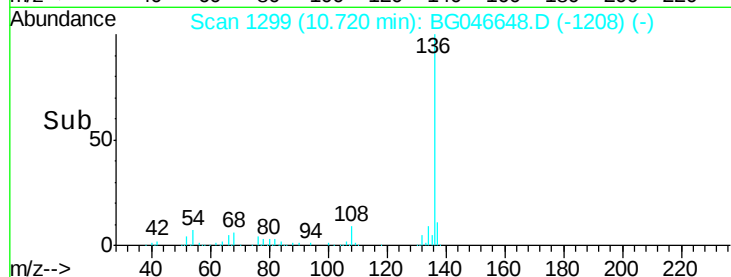
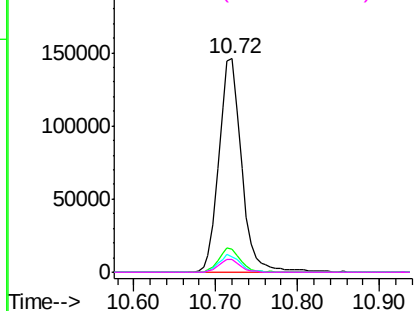
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG046648.D
Acq: 16 Sep 2020 20:02

Instrument :
BNA_G
ClientSampleId :
PL-02-091520

Tot Ion:136	Resp:	282963	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	9.1	13.7	
54 7.3	6.2	9.4	
68 6.3	5.0	7.4	

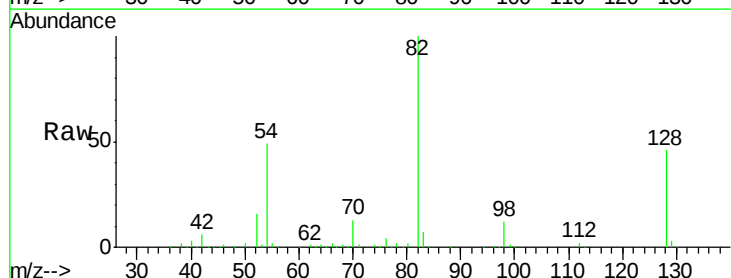


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

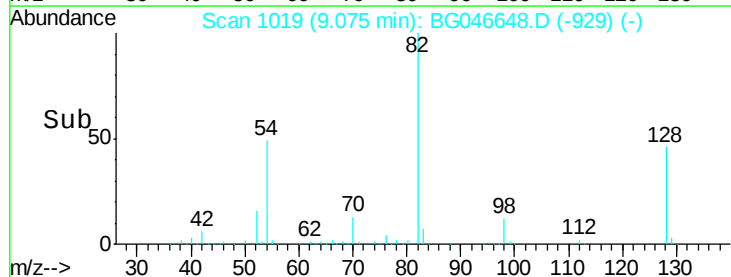
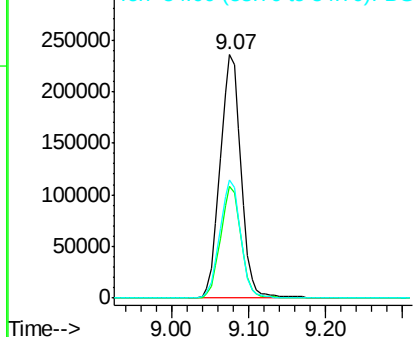


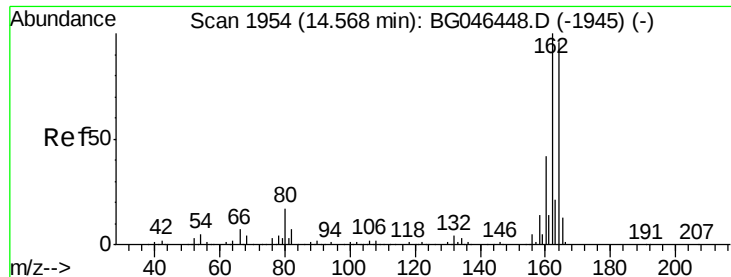
#23
Nitrobenzene-d5
Concen: 89.509 ng
RT: 9.07 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046648.D
Acq: 16 Sep 2020 20:02

Tgt Ion: 82	Resp: 443140
Ion Ratio	Lower Upper
82 100	
128 45.8	37.0 55.6
54 48.7	39.0 58.4



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

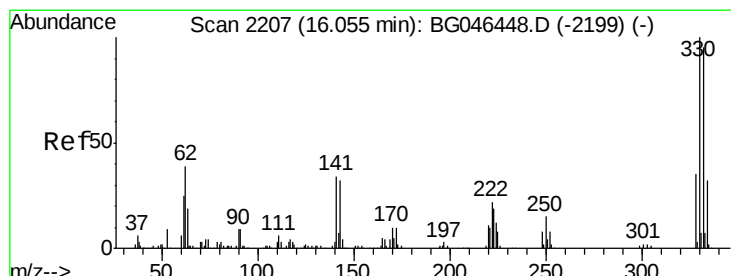
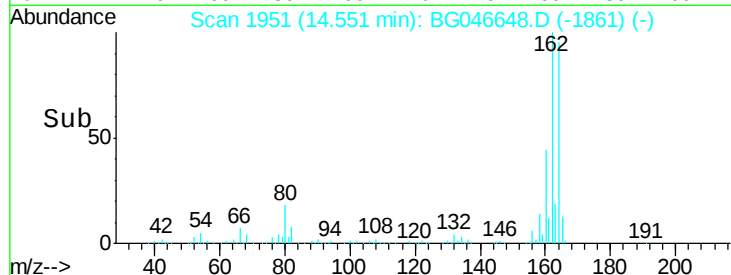
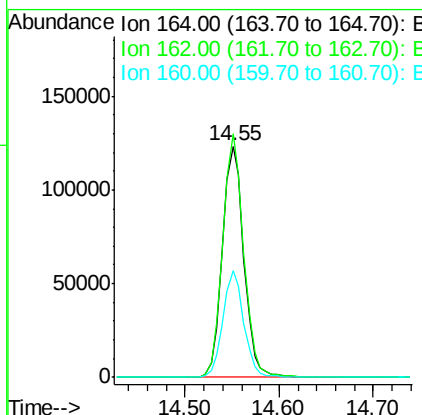
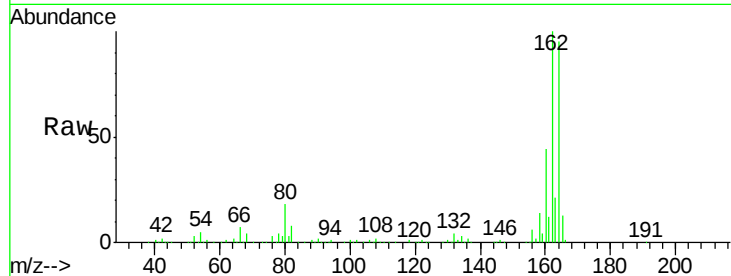




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG046648.D
Acq: 16 Sep 2020 20:02

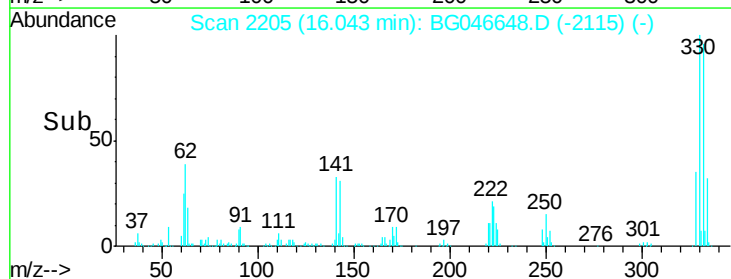
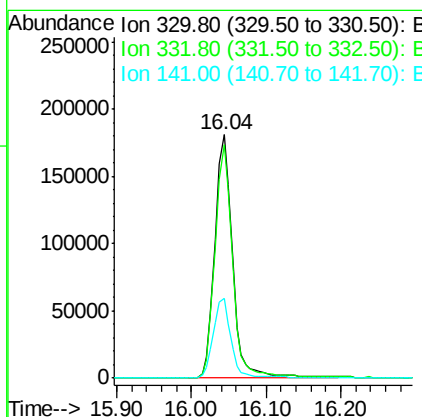
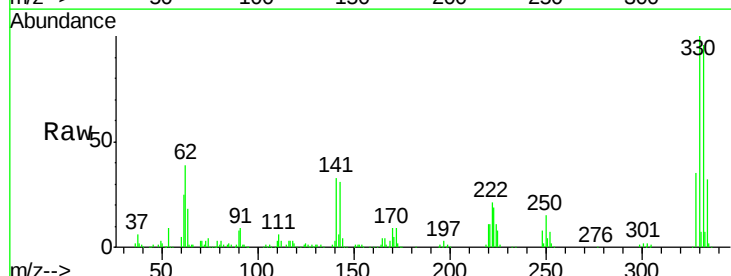
Instrument :
BNA_G
ClientSampleId :
PL-02-091520

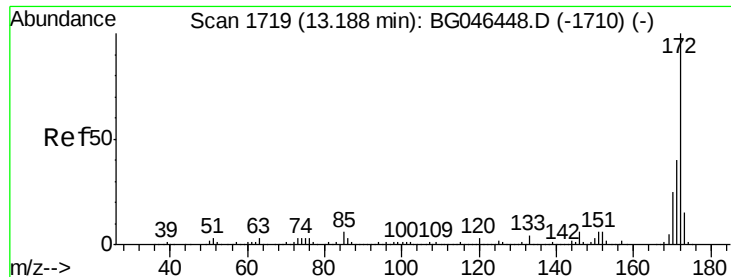
Tot Ion:164 Resp: 196606
Ion Ratio Lower Upper
164 100
162 105.3 82.3 123.5
160 46.2 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 112.872 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BG046648.D
Acq: 16 Sep 2020 20:02

Tgt Ion:330 Resp: 300678
Ion Ratio Lower Upper
330 100
332 95.7 76.5 114.7
141 33.2 26.0 39.0



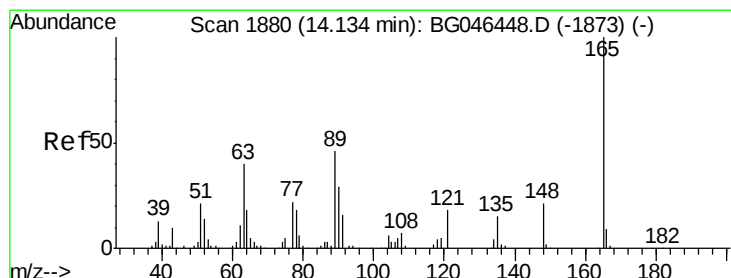
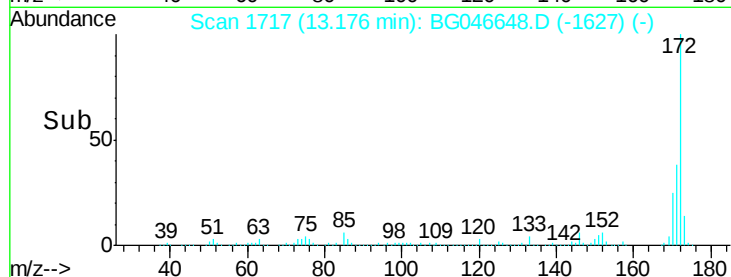
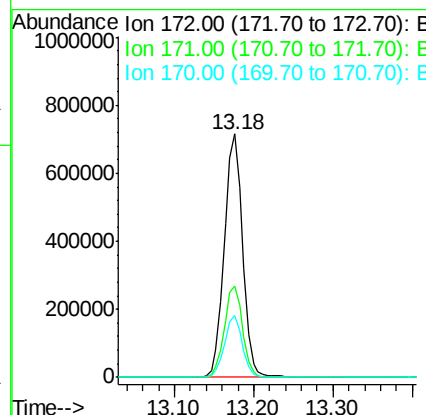
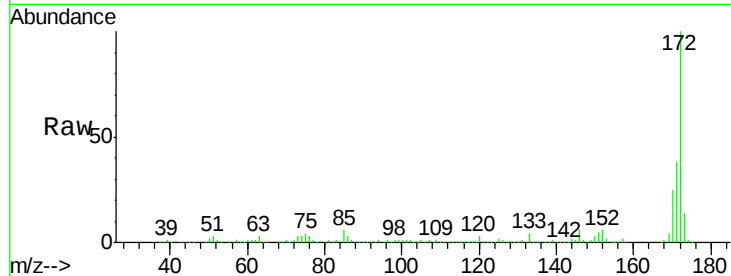


#45
 2-Fluorobiphenyl
 Concen: 89.216 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BG046648.D
 Acq: 16 Sep 2020 20:02

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-091520

Tot Ion:172 Resp: 1149007

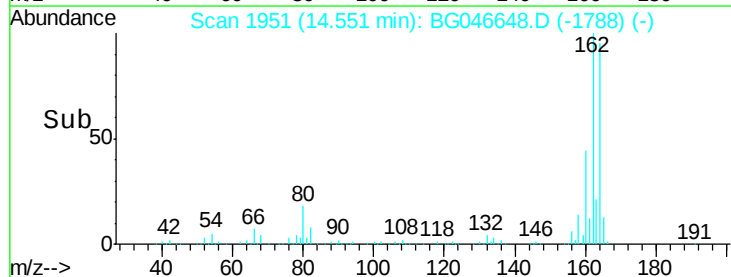
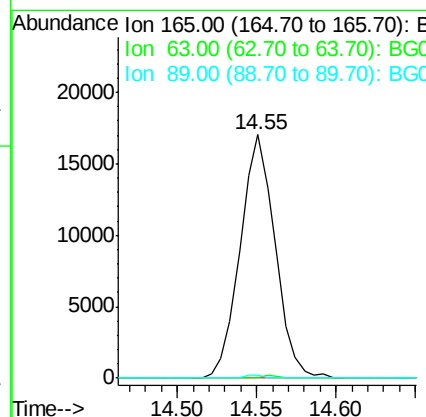
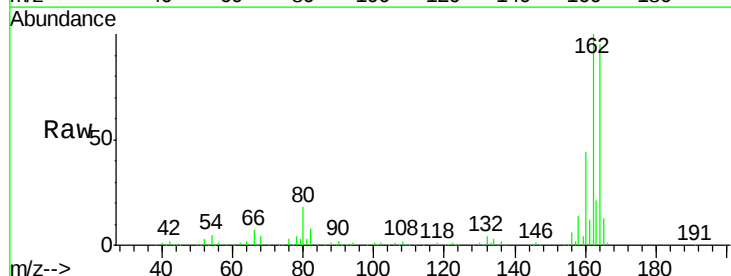
Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.3	46.9
170	25.3	20.8	31.2

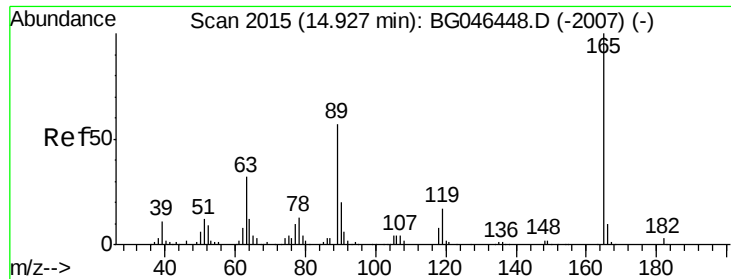


#51
 2,6-Dinitrotoluene
 Concen: 7.764 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG046648.D
 Acq: 16 Sep 2020 20:02

Tgt Ion:165 Resp: 26033

Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.7	50.5#
89	1.0	36.6	54.8#

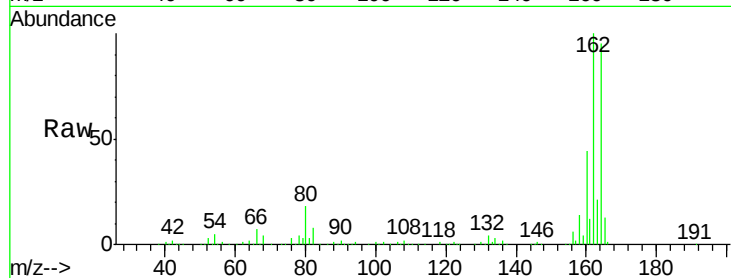




#57
 2,4-Dinitrotoluene
 Concen: 5.445 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG046648.D
 Acq: 16 Sep 2020 20:02

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-091520

Tot Ion:165	Resp:	26033
Ion Ratio	Lower	Upper
165	100	
63	0.0	26.4 39.6#
89	1.0	47.8 71.8#
182	0.0	2.6 4.0#

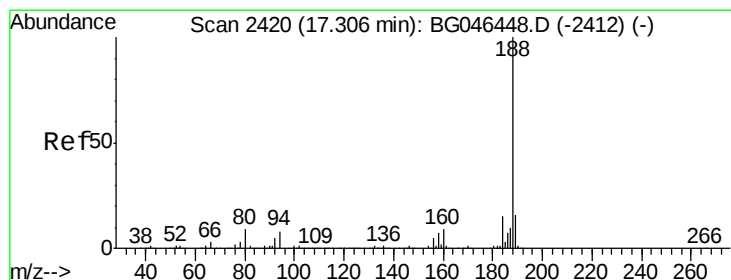
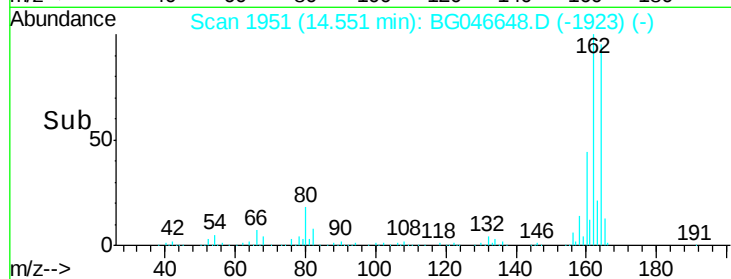
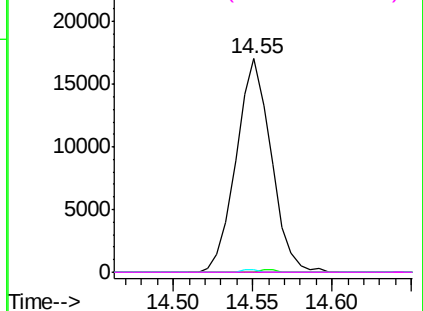


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

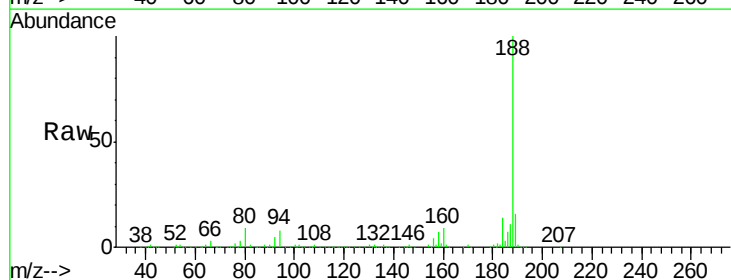
Ion 89.00 (88.70 to 89.70): BGC

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: BG046648.D
 Acq: 16 Sep 2020 20:02

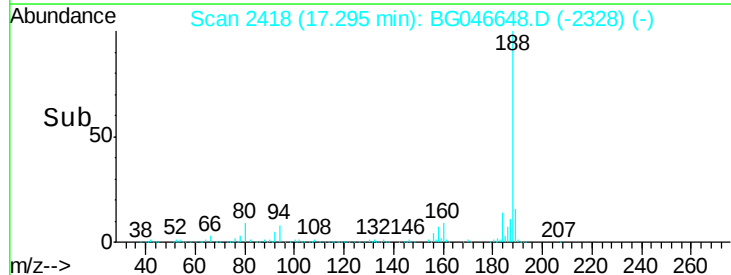
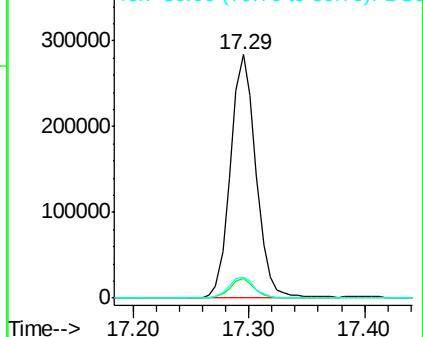
Tgt Ion:188	Resp:	435906
Ion Ratio	Lower	Upper
188	100	
94	7.9	6.3 9.5
80	8.6	7.0 10.6

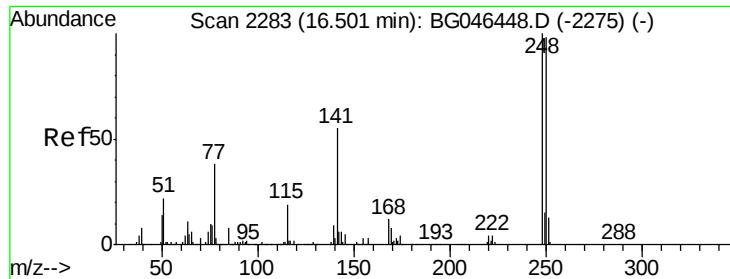


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

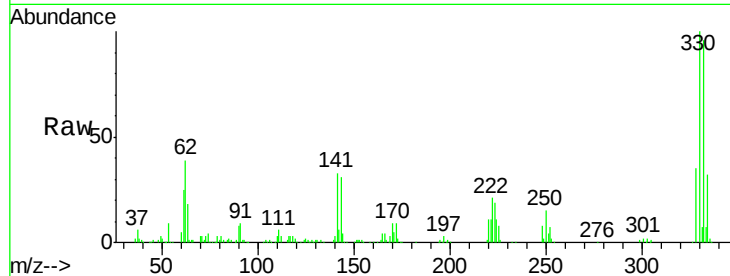




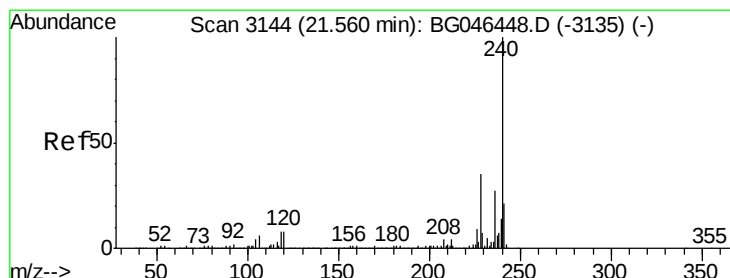
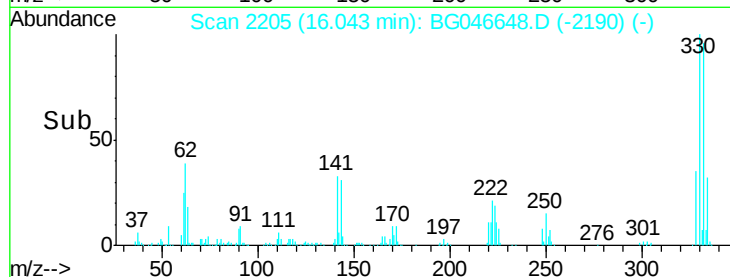
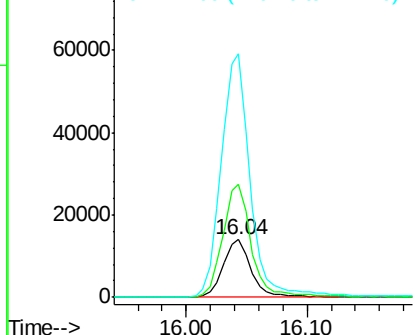
#67
 4-Bromophenyl-phenylether
 Concen: 4.440 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.44 min
 Lab File: BG046648.D
 Acq: 16 Sep 2020 20:02

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-091520

Tot Ion:248 Resp: 22580
 Ion Ratio Lower Upper
 248 100
 250 195.9 78.9 118.3#
 141 422.2 46.2 69.4#

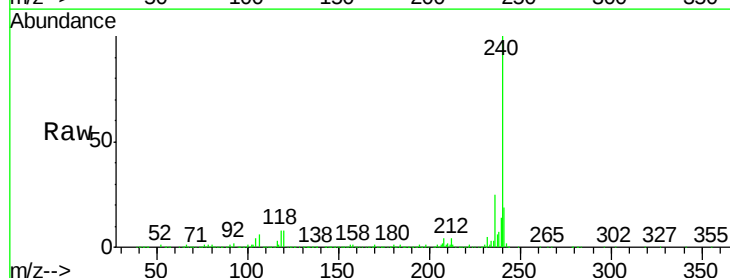


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

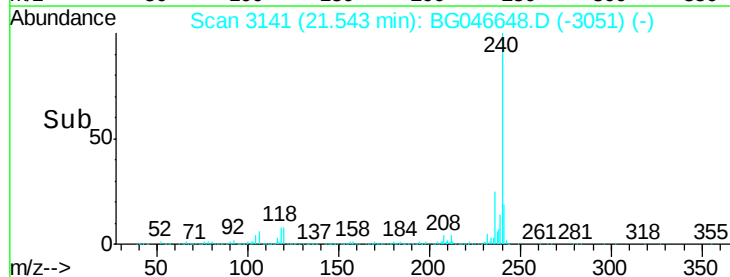
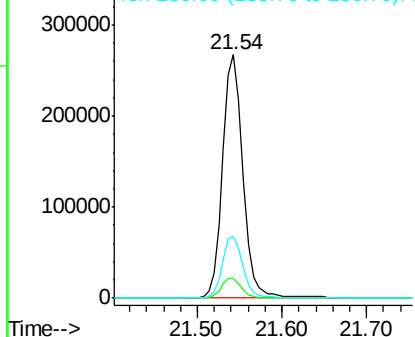


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG046648.D
 Acq: 16 Sep 2020 20:02

Tgt Ion:240 Resp: 447474
 Ion Ratio Lower Upper
 240 100
 120 8.2 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: 2.520 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.39 min

Lab File: BG046648.D

Acq: 16 Sep 2020 20:02

Instrument :

BNA_G

ClientSampleId :

PL-02-091520

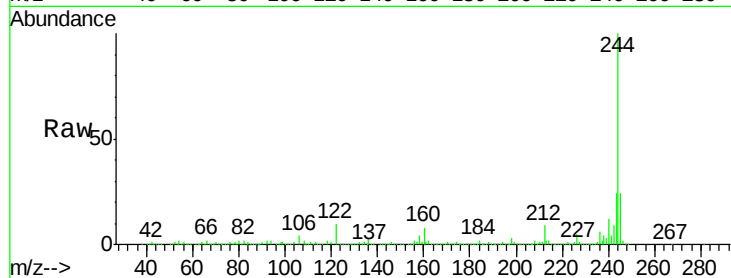
Tot Ion:184 Resp: 26205

Ion Ratio Lower Upper

184 100

185 18.3 12.4 18.6

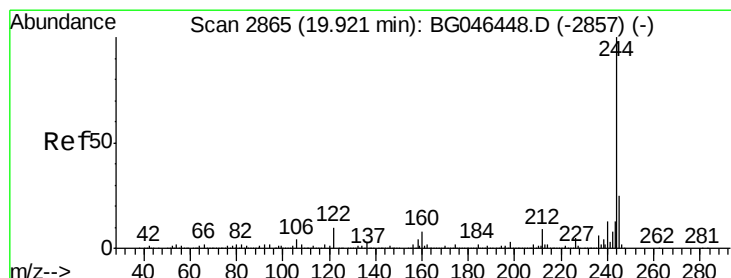
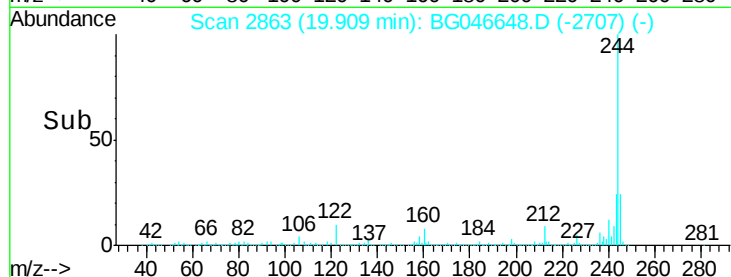
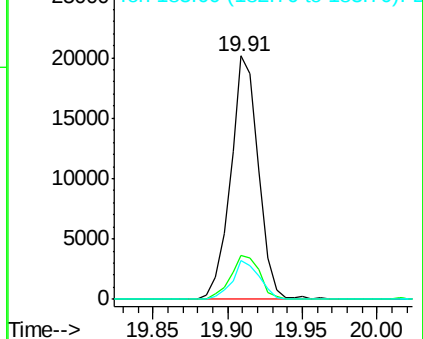
183 15.7 10.6 15.8



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: 81.475 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG046648.D

Acq: 16 Sep 2020 20:02

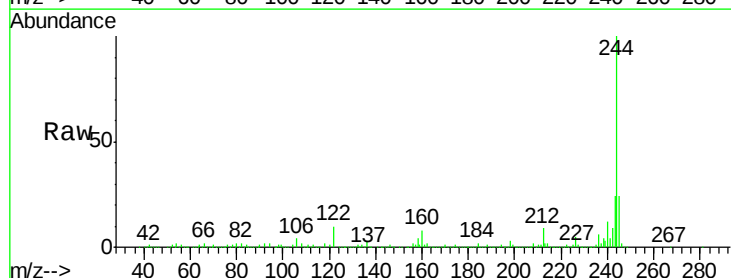
Tgt Ion:244 Resp: 1713114

Ion Ratio Lower Upper

244 100

212 8.6 6.7 10.1

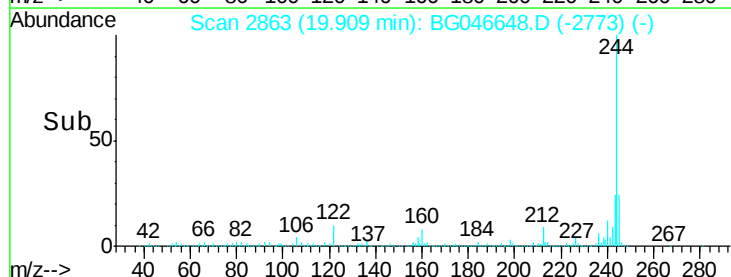
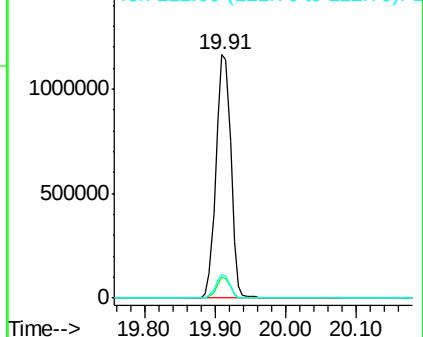
122 9.8 7.8 11.6

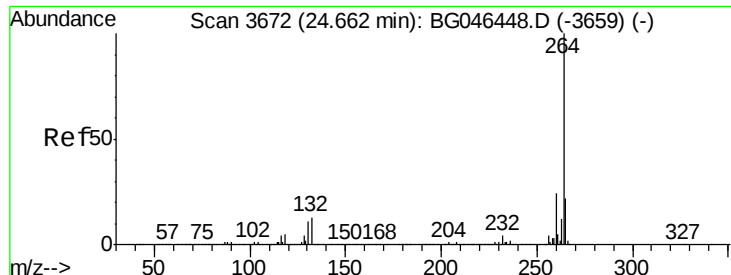


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3668
Delta R.T. 0.01 min
Lab File: BG046648.D
Acq: 16 Sep 2020 20:02

Instrument :
BNA_G
ClientSampleId :
PL-02-091520

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	21.3	17.8	26.8

