

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091520\
 Data File : BG046632.D
 Acq On : 15 Sep 2020 20:08
 Operator : CG/JU
 Sample : L4005-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 32-34

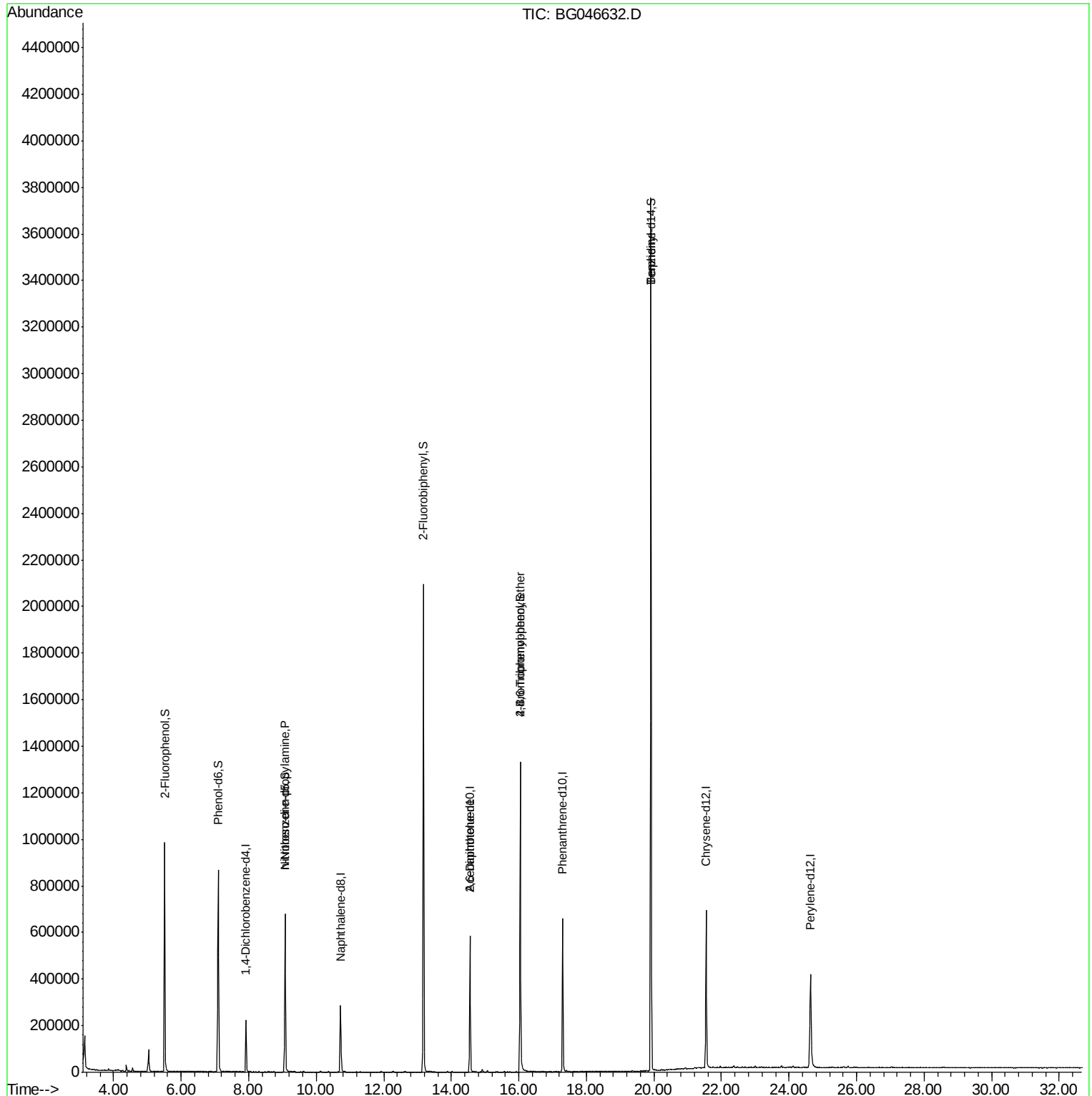
Quant Time: Sep 16 00:42:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 13:09:36 2020
 Response via : Initial Calibration

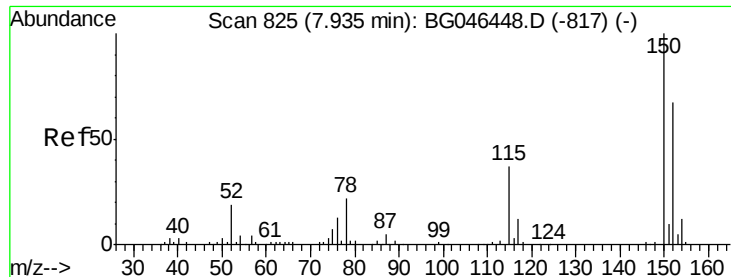
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	69401	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	297978	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	215210	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	453915	20.00	ng	0.00
76) Chrysene-d12	21.54	240	472877	20.00	ng	0.00
86) Perylene-d12	24.63	264	452457	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	455256	116.19	ng	0.00
7) Phenol-d6	7.10	99	560659	100.94	ng	0.00
23) Nitrobenzene-d5	9.08	82	441096	84.61	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	287215	98.50	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1213791	86.10	ng	0.00
79) Terphenyl-d14	19.91	244	1659012	74.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	56139	16.896	ng	# 77
51) 2,6-Dinitrotoluene	14.55	165	30351	8.270	ng	# 33
67) 4-Bromophenyl-phenylether	16.04	248	22186	4.189	ng	# 1
77) Benzidine	19.91	184	24545	2.234	ng	94

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

```
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Data File : BG046632.D  
Acq On    : 15 Sep 2020   20:08  
Operator  : CG/JU  
Sample    : L4005-04  
Misc      :  
ALS Vial  : 15      Sample Multiplier: 1
```

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
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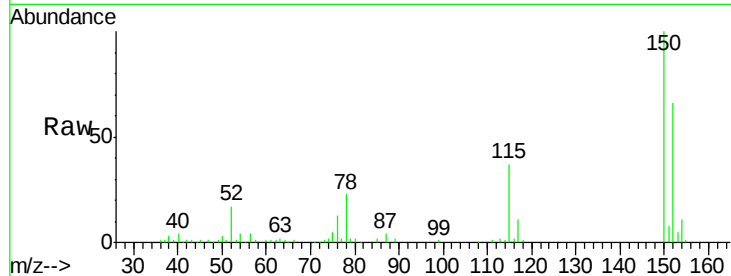


#1

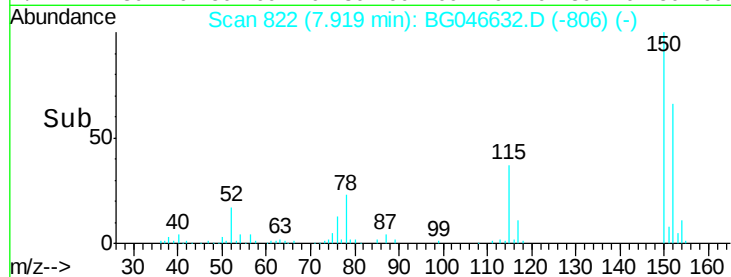
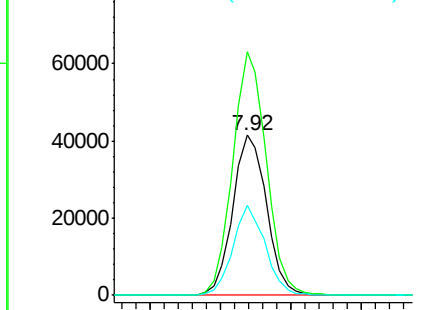
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BG046632.D
 Acq: 15 Sep 2020 20:08

Instrument :
 BNA_G
 ClientSampled :
 32-34

Tot Ion	152	Resp	69401
Ion Ratio	Lower	Upper	
152	100		
150	152.2	119.5	179.3
115	56.3	44.3	66.5



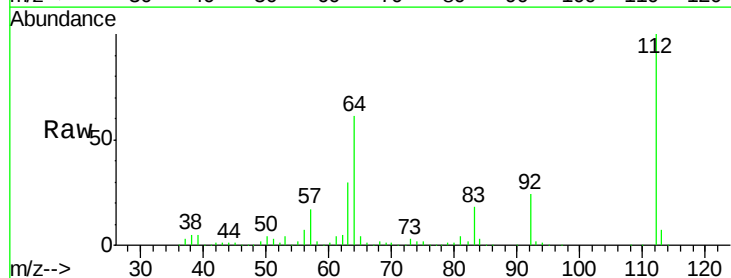
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



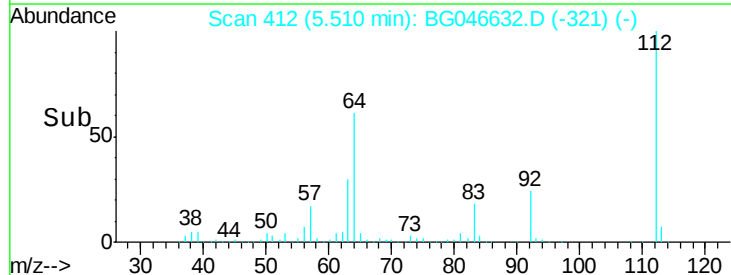
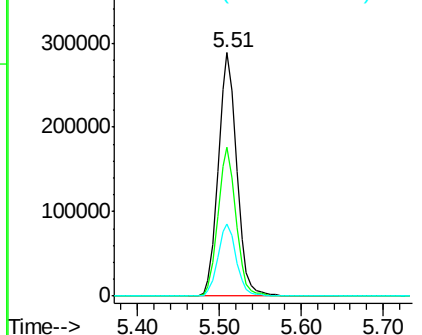
#5

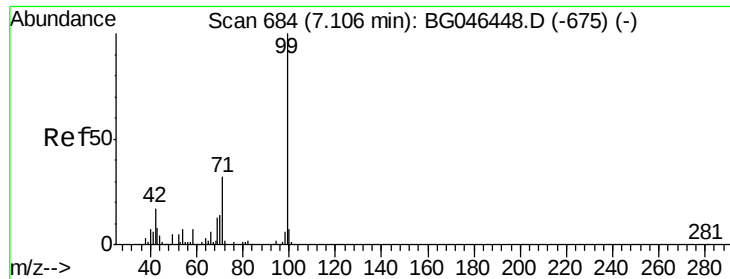
2-Fluorophenol
 Concen: 116.186 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: BG046632.D
 Acq: 15 Sep 2020 20:08

Tgt Ion	112	Resp	455256
Ion Ratio	Lower	Upper	
112	100		
64	61.1	47.0	70.6
63	29.8	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: 100.935 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046632.D

Acq: 15 Sep 2020 20:08

Instrument :

BNA_G

ClientSampleId :

32-34

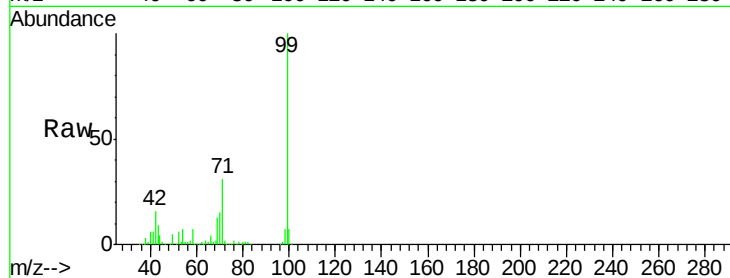
Tot Ion: 99 Resp: 560659

Ion Ratio Lower Upper

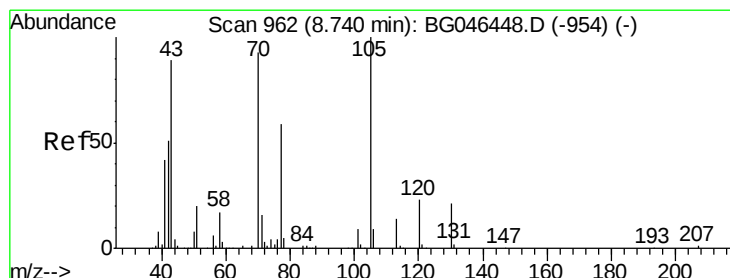
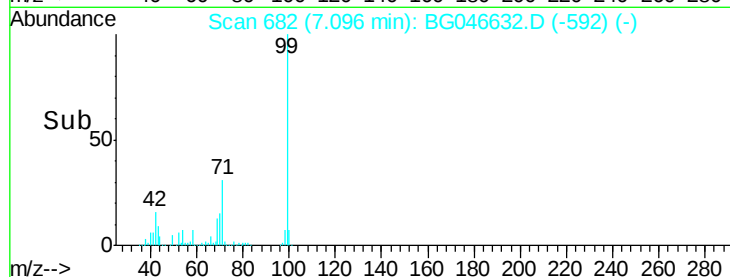
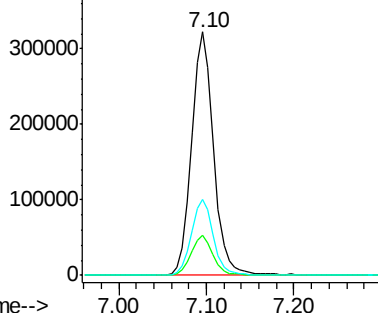
99 100

42 16.3 13.3 19.9

71 31.1 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: 16.896 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046632.D

Acq: 15 Sep 2020 20:08

Tgt Ion: 70 Resp: 56139

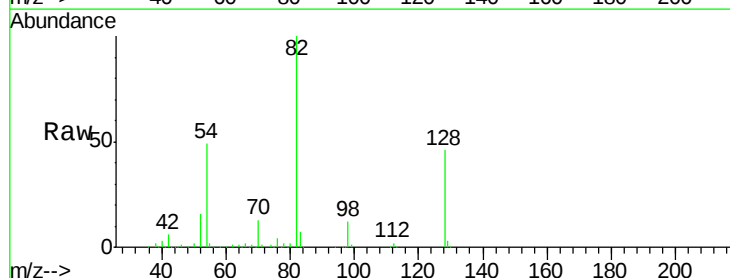
Ion Ratio Lower Upper

70 100

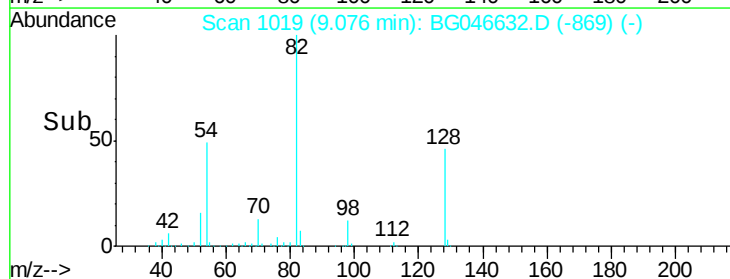
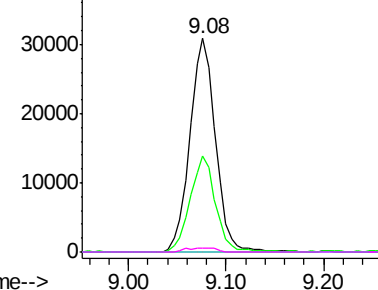
42 45.1 44.2 66.2

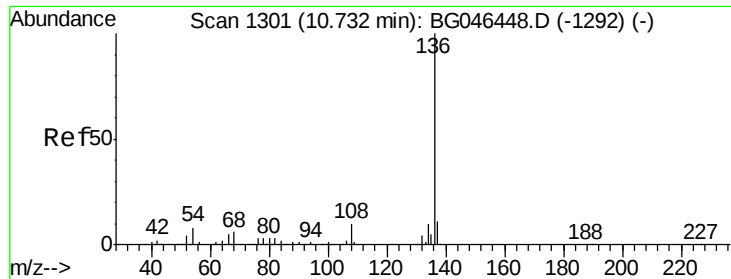
101 0.0 7.8 11.8#

130 1.8 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

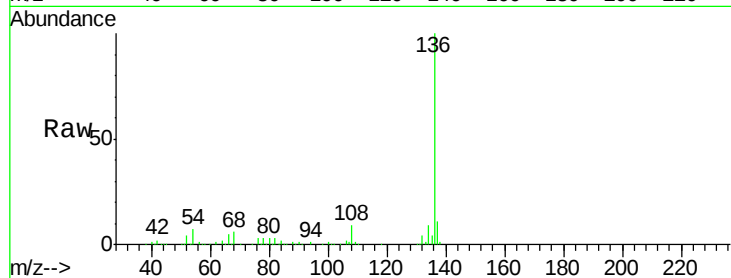




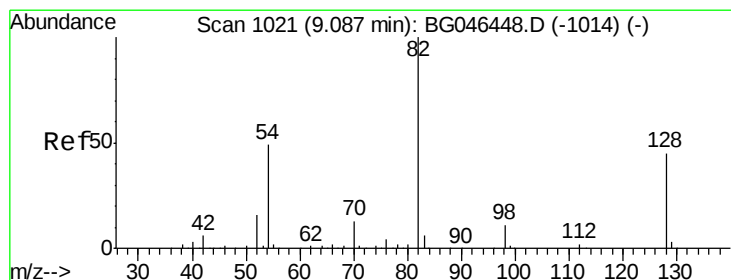
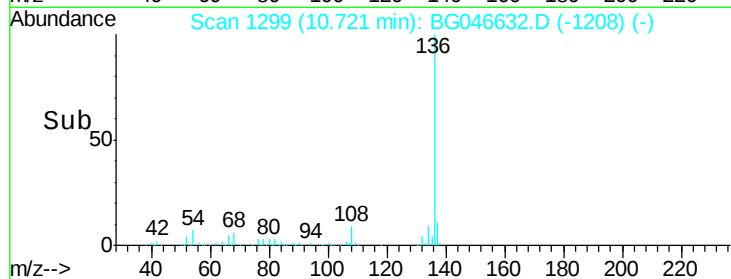
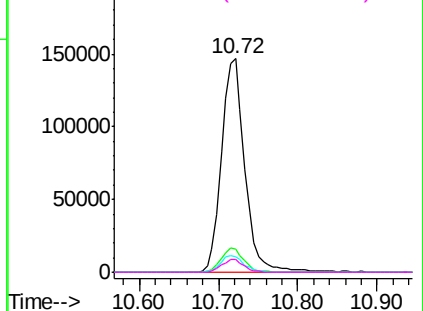
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG046632.D
Acq: 15 Sep 2020 20:08

Instrument :
BNA_G
ClientSampleId :
32-34

Tot Ion:136	Resp:	297978
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.8 13.2
54	7.4	6.1 9.1
68	6.0	4.8 7.2

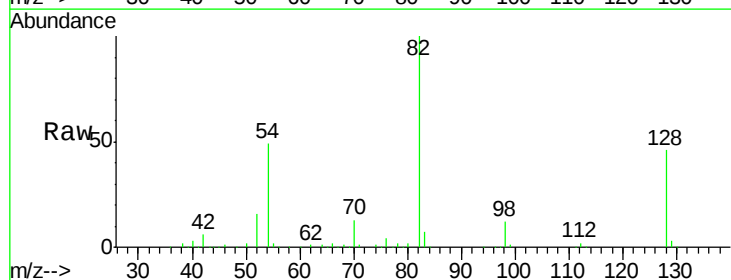


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

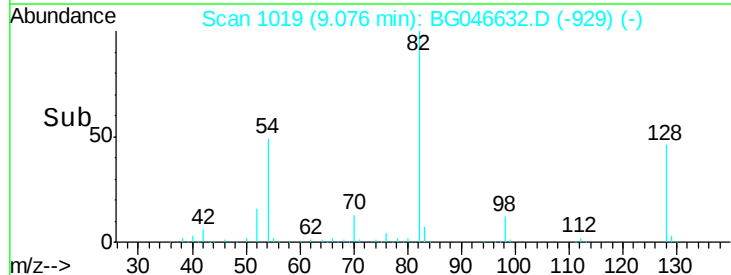
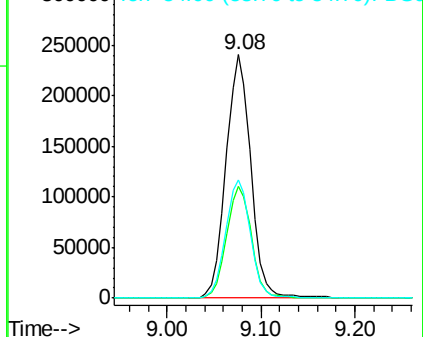


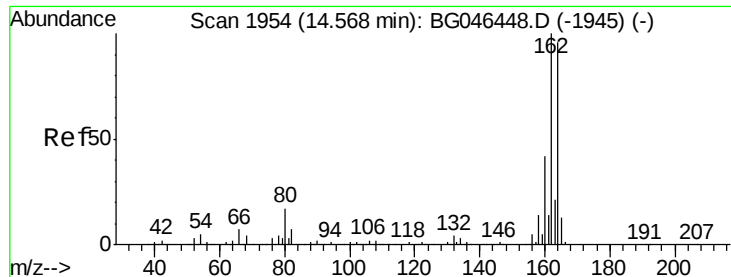
#23
Nitrobenzene-d5
Concen: 84.607 ng
RT: 9.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046632.D
Acq: 15 Sep 2020 20:08

Tgt Ion: 82	Resp:	441096
Ion	Ratio	Lower Upper
82	100	
128	45.8	35.7 53.5
54	48.8	39.4 59.0



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

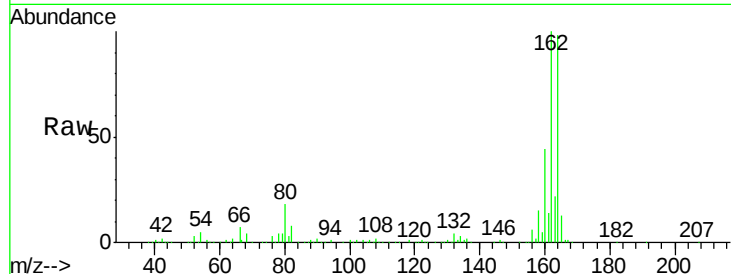




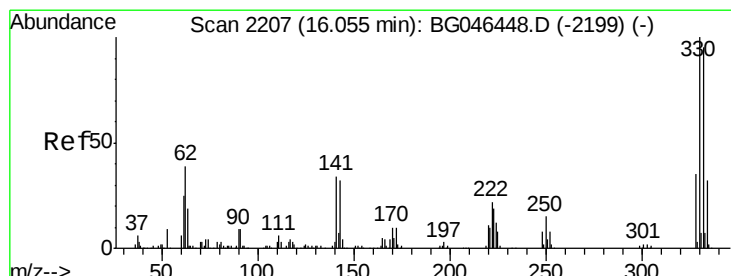
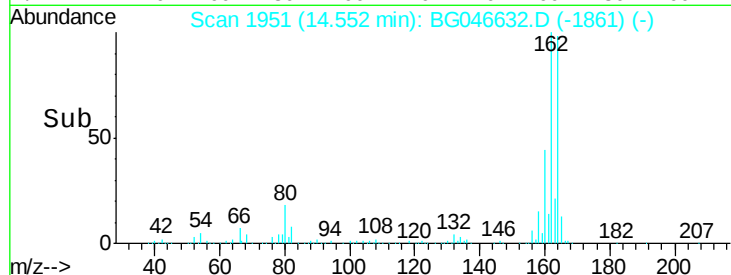
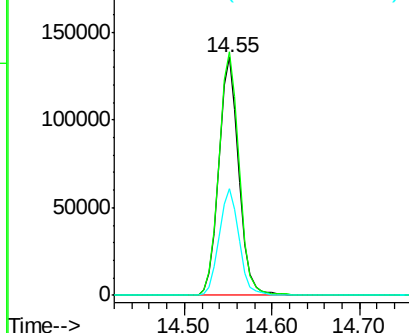
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: BG046632.D
 Acq: 15 Sep 2020 20:08

Instrument :
 BNA_G
 ClientSampleId :
 32-34

Tot Ion:164 Resp: 215210
 Ion Ratio Lower Upper
 164 100
 162 102.2 83.3 124.9
 160 44.9 35.0 52.6

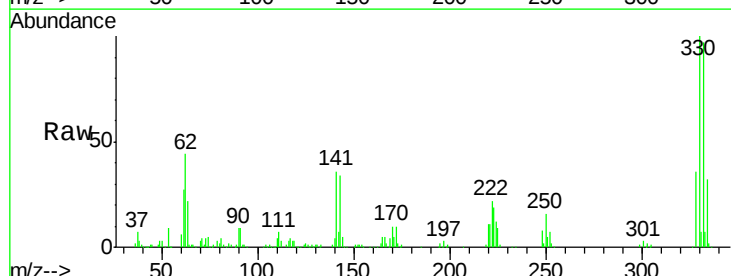


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

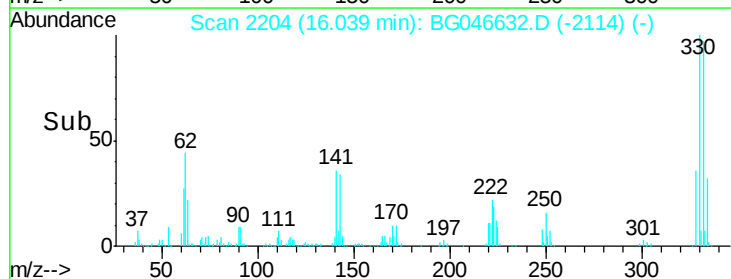
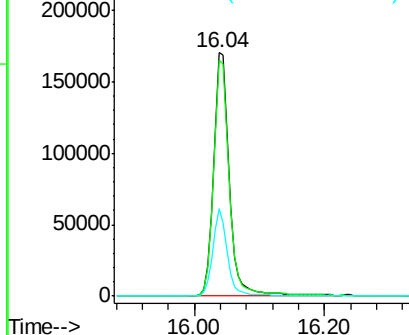


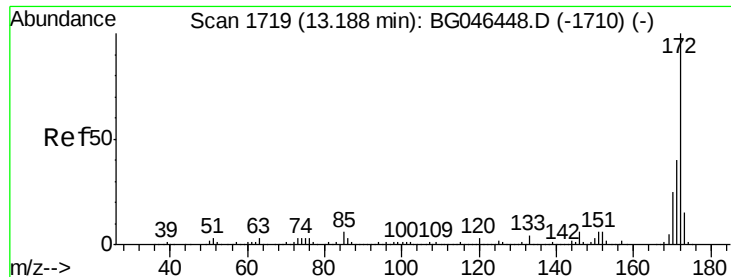
#42
 2,4,6-Tribromophenol
 Concen: 98.498 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BG046632.D
 Acq: 15 Sep 2020 20:08

Tgt Ion:330 Resp: 287215
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.1 114.1
 141 33.0 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

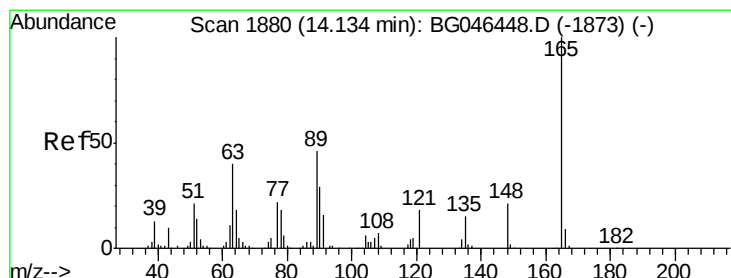
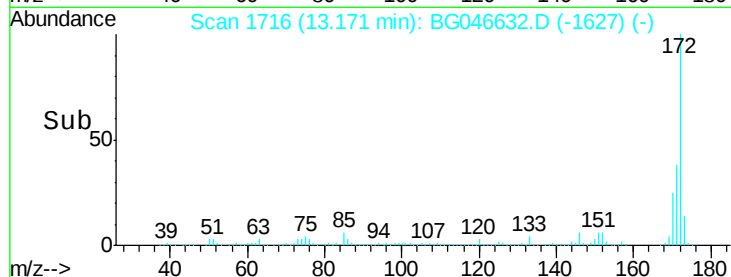
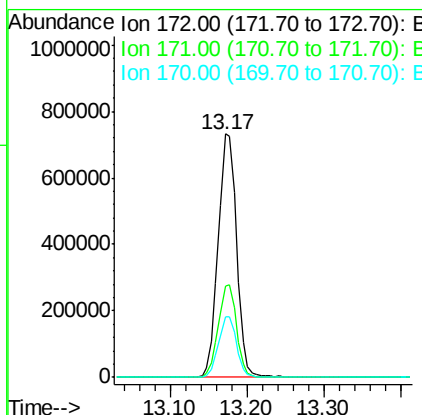
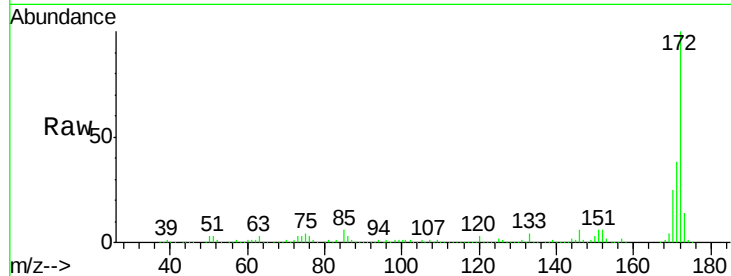




#45
2-Fluorobiphenyl
Concen: 86.099 ng
RT: 13.17 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BG046632.D
Acq: 15 Sep 2020 20:08

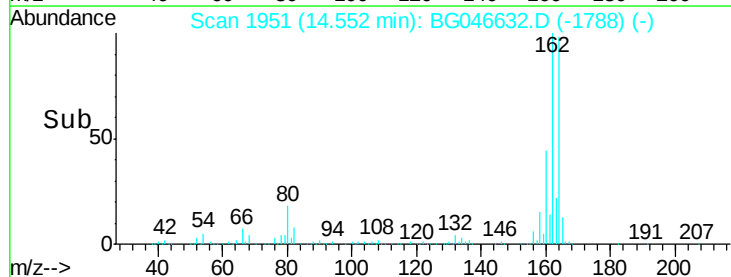
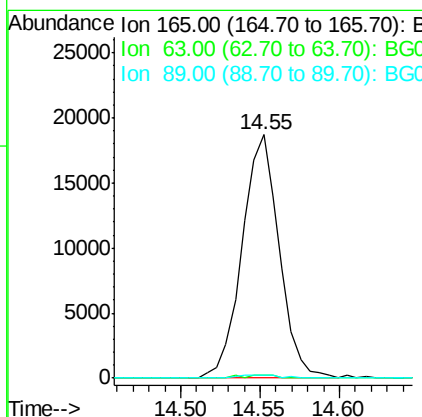
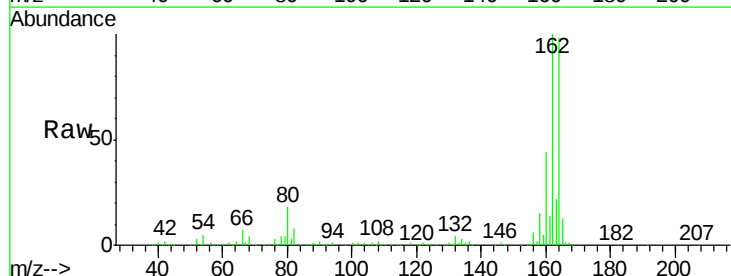
Instrument :
BNA_G
ClientSampled :
32-34

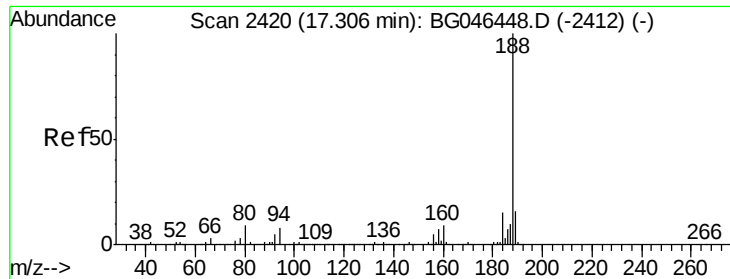
Tot Ion:172 Resp: 1213791
Ion Ratio Lower Upper
172 100
171 37.8 31.8 47.6
170 24.7 20.3 30.5



#51
2,6-Dinitrotoluene
Concen: 8.270 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.43 min
Lab File: BG046632.D
Acq: 15 Sep 2020 20:08

Tgt Ion:165 Resp: 30351
Ion Ratio Lower Upper
165 100
63 1.1 34.2 51.4#
89 1.2 37.0 55.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG046632.D

Acq: 15 Sep 2020 20:08

Instrument :

BNA_G

ClientSampleId :

32-34

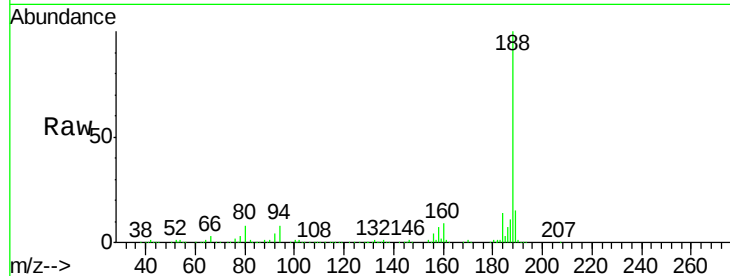
Tot Ion:188 Resp: 453915

Ion Ratio Lower Upper

188 100

94 7.8 6.3 9.5

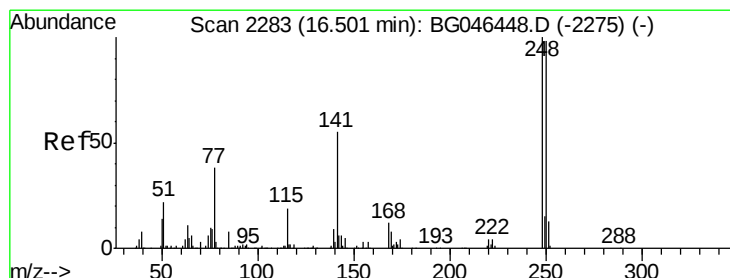
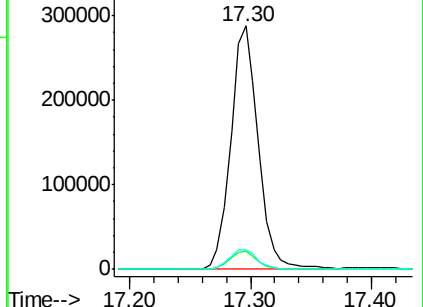
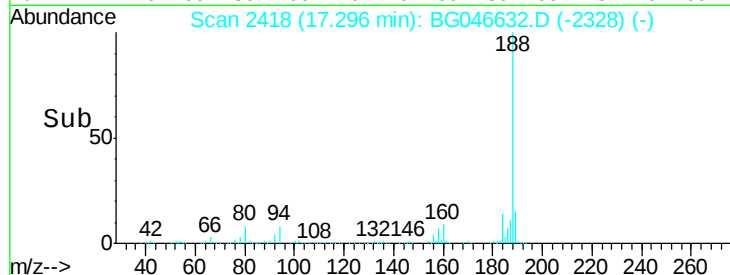
80 8.2 6.9 10.3



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: 4.189 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.45 min

Lab File: BG046632.D

Acq: 15 Sep 2020 20:08

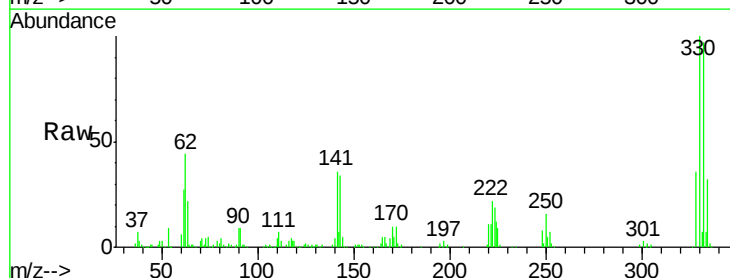
Tgt Ion:248 Resp: 22186

Ion Ratio Lower Upper

248 100

250 187.4 78.6 118.0#

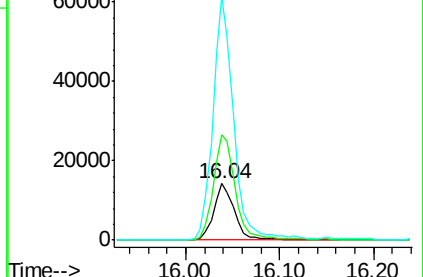
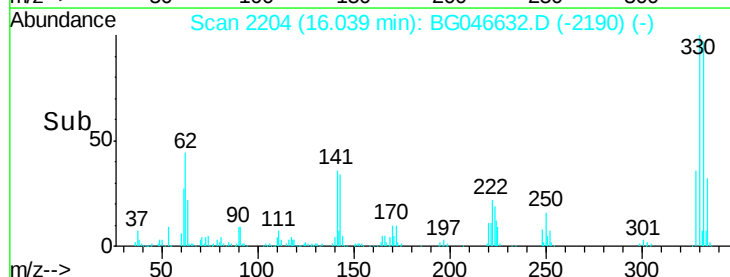
141 432.6 43.9 65.9#

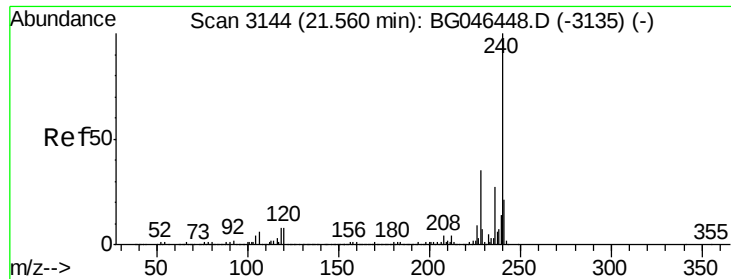


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

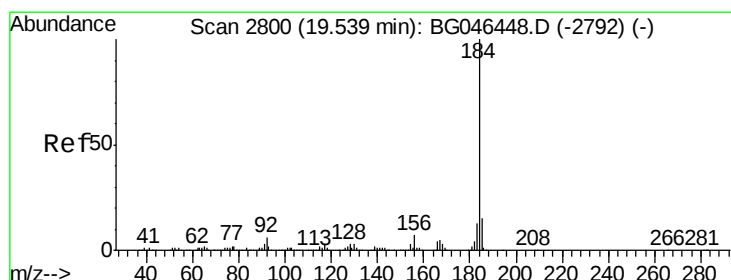
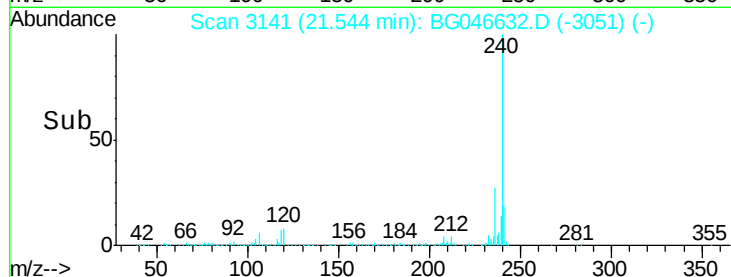
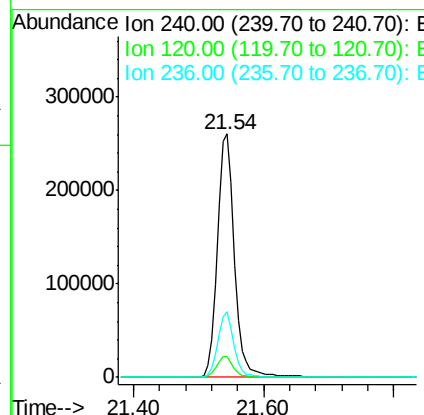
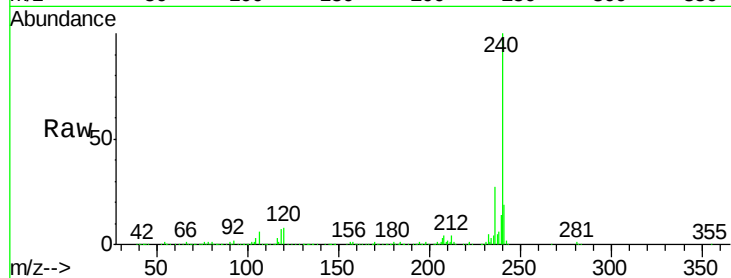




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046632.D
Acq: 15 Sep 2020 20:08

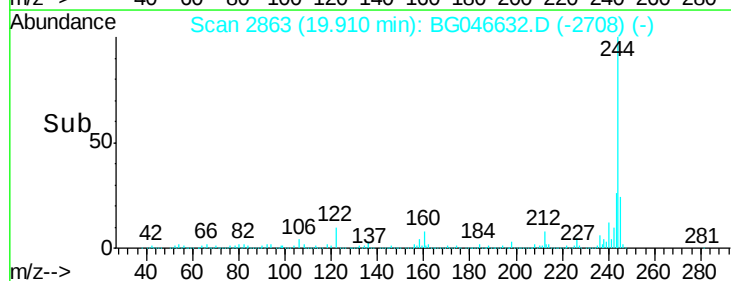
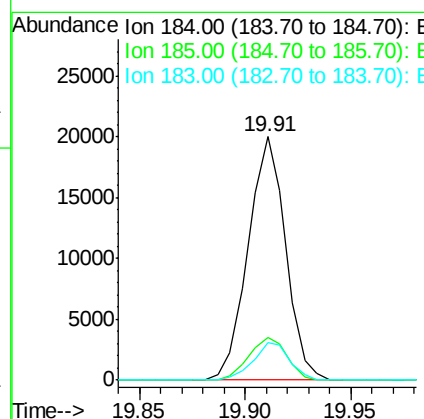
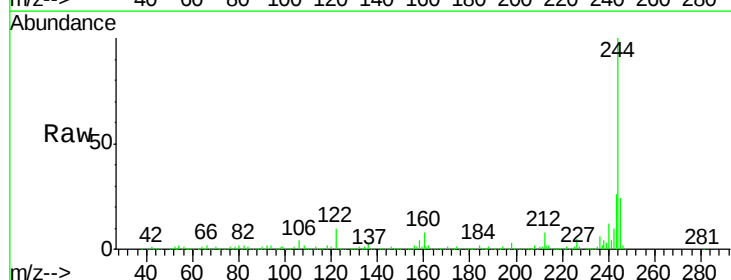
Instrument :
BNA_G
ClientSampleId :
32-34

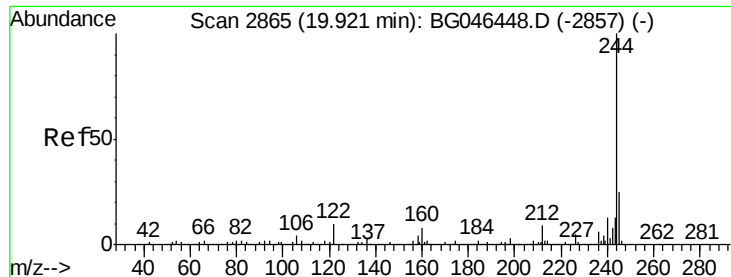
Tot Ion:240 Resp: 472877
Ion Ratio Lower Upper
240 100
120 8.4 6.6 10.0
236 26.9 21.4 32.2



#77
Benzidine
Concen: 2.234 ng
RT: 19.91 min Scan# 2863
Delta R.T. 0.38 min
Lab File: BG046632.D
Acq: 15 Sep 2020 20:08

Tgt Ion:184 Resp: 24545
Ion Ratio Lower Upper
184 100
185 17.5 11.8 17.8
183 15.5 10.7 16.1





#79

Terphenyl-d14

Concen: 74.664 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG046632.D

Acq: 15 Sep 2020 20:08

Instrument :

BNA_G

ClientSampleId :

32-34

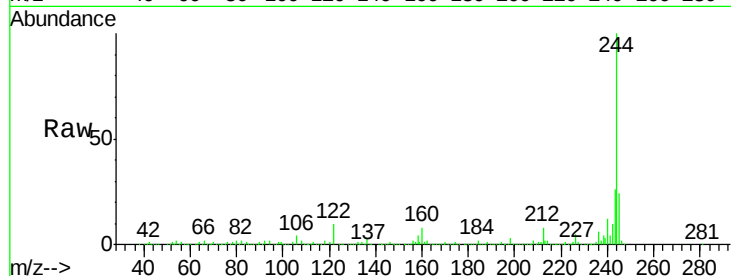
Tot Ion:244 Resp: 1659012

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

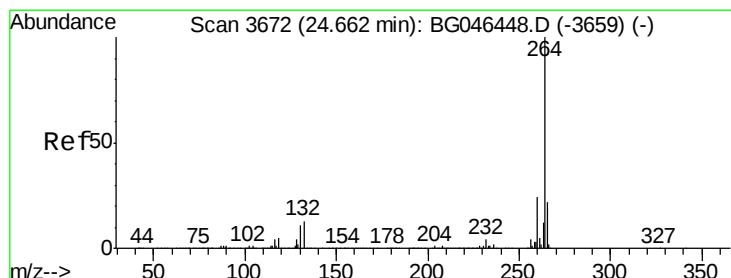
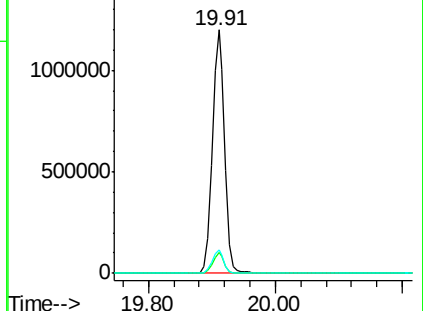
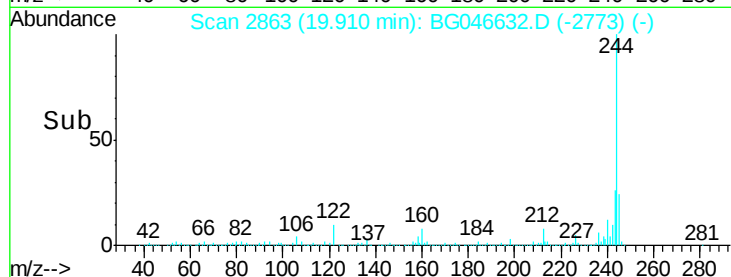
122 9.7 8.2 12.4



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: 24.63 min Scan# 3667

Delta R.T. -0.00 min

Lab File: BG046632.D

Acq: 15 Sep 2020 20:08

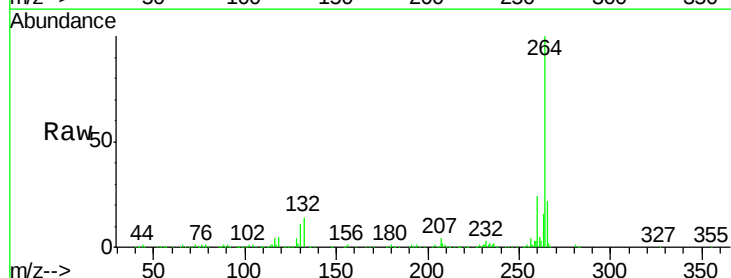
Tgt Ion:264 Resp: 452457

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.1 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

