

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046651.D
 Acq On : 16 Sep 2020 22:02
 Operator : CG/JU
 Sample : L4015-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-6E-(A-D-0-4)

Quant Time: Sep 17 00:37:26 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

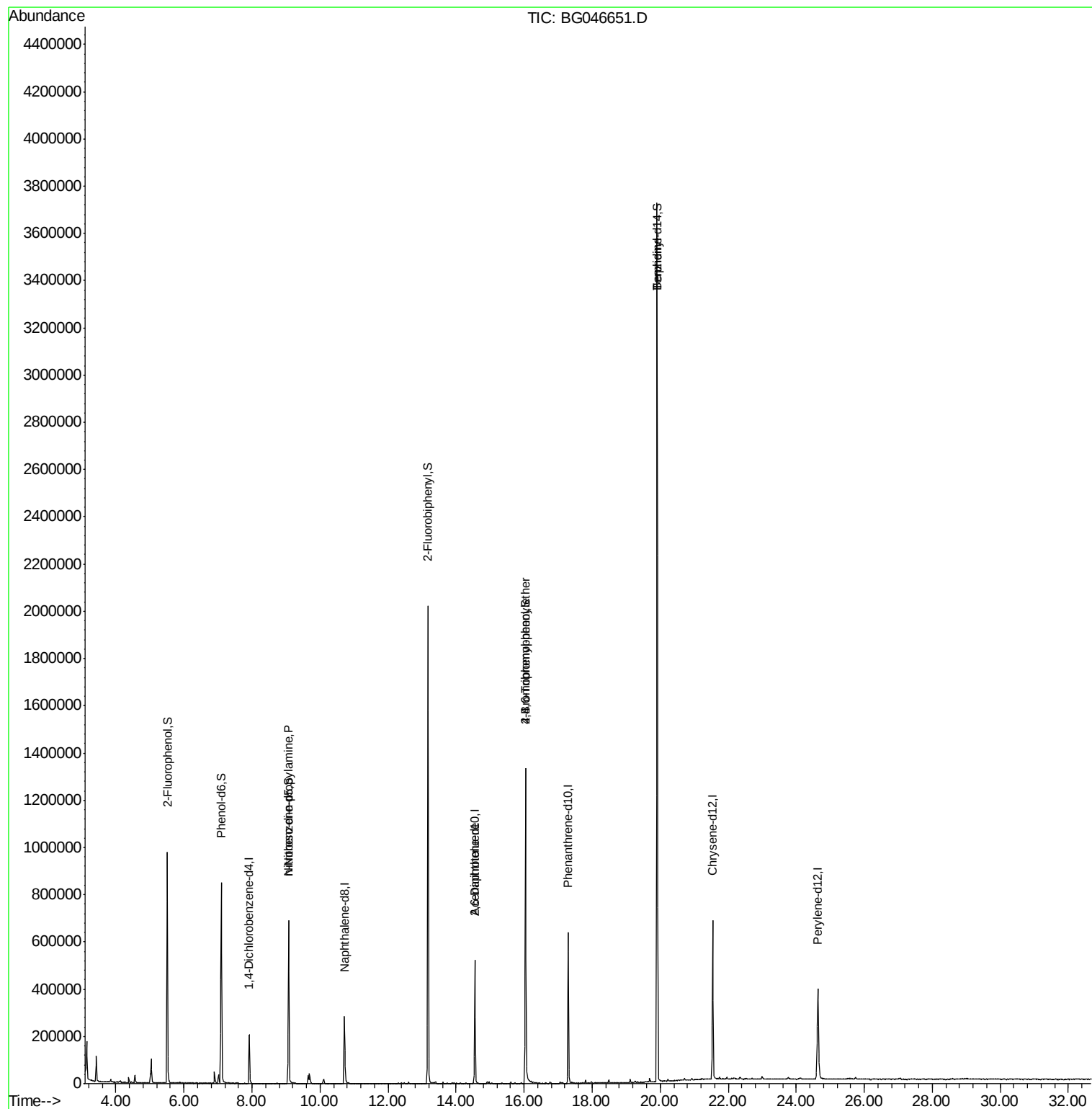
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	67399	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	279299	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	193873	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	440136	20.00	ng	0.00
76) Chrysene-d12	21.54	240	453131	20.00	ng	0.00
86) Perylene-d12	24.63	264	442171	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	457368	120.19	ng	0.00
7) Phenol-d6	7.09	99	553002	102.51	ng	0.00
23) Nitrobenzene-d5	9.07	82	451127	92.32	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	303094	115.38	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1160694	91.39	ng	0.00
79) Terphenyl-d14	19.91	244	1740084	81.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	57254	17.744	ng	# 73
51) 2,6-Dinitrotoluene	14.55	165	25414	7.687	ng	# 34
67) 4-Bromophenyl-phenylether	16.04	248	23332	4.544	ng	# 1
77) Benzidine	19.91	184	26796	2.545	ng	# 94

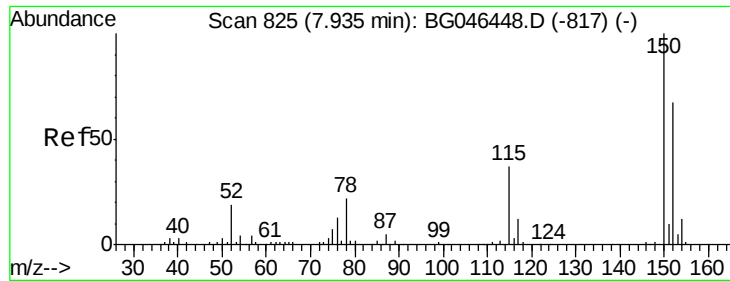
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
Data File : BG046651.D
Acq On : 16 Sep 2020 22:02
Operator : CG/JU
Sample : L4015-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REACTOR-6E-(A-D-0-4)

Quant Time: Sep 17 00:37:26 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



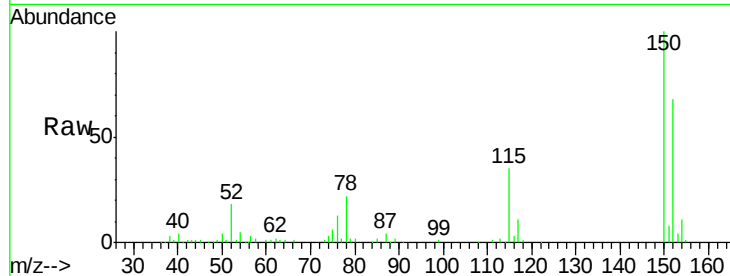


#1

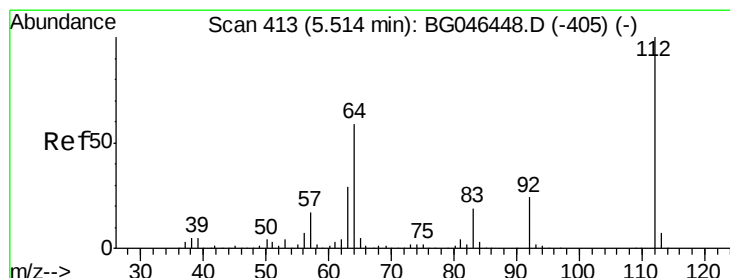
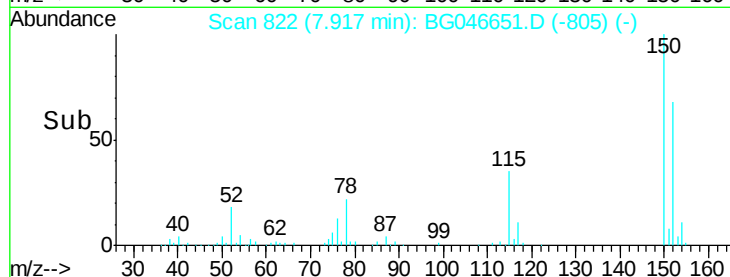
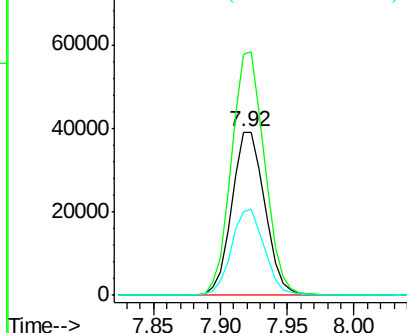
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG046651.D
Acq: 16 Sep 2020 22:02

Instrument :
BNA_G
ClientSampleId :
REACTOR-6E-(A-D-0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.0	125.0	187.6
115	51.1	41.8	62.6



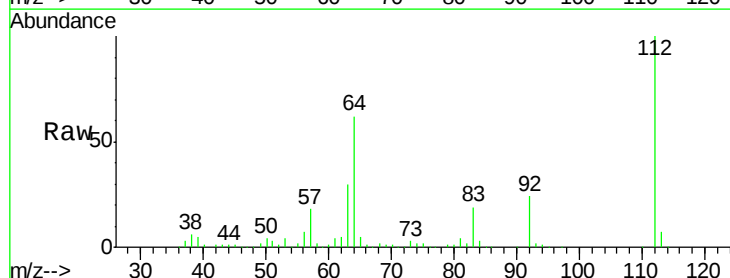
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



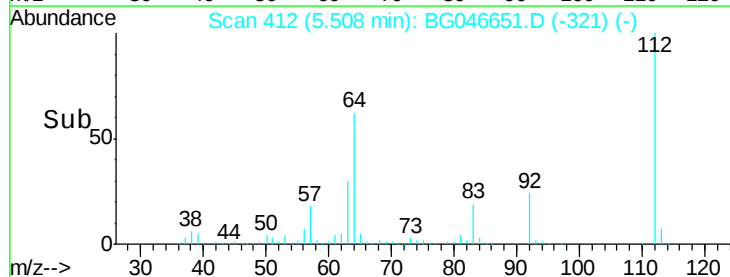
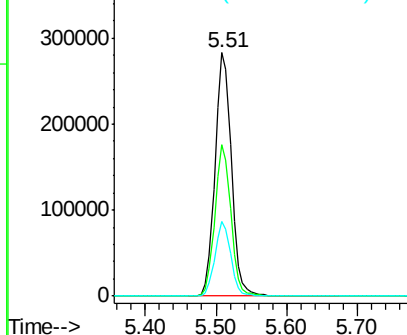
#5

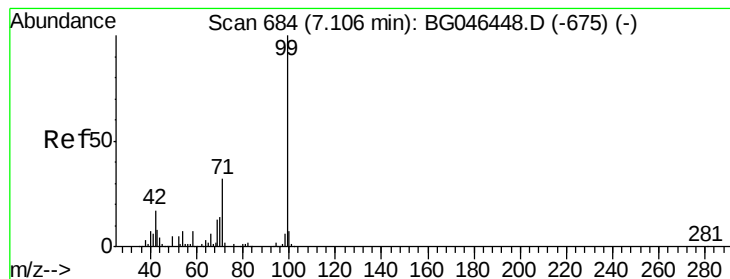
2-Fluorophenol
Concen: 120.192 ng
RT: 5.51 min Scan# 412
Delta R.T. 0.01 min
Lab File: BG046651.D
Acq: 16 Sep 2020 22:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	46.7	70.1
63	30.4	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: 102.514 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046651.D

Acq: 16 Sep 2020 22:02

Instrument :

BNA_G

ClientSampleId :

REACTOR-6E-(A-D-0-4)

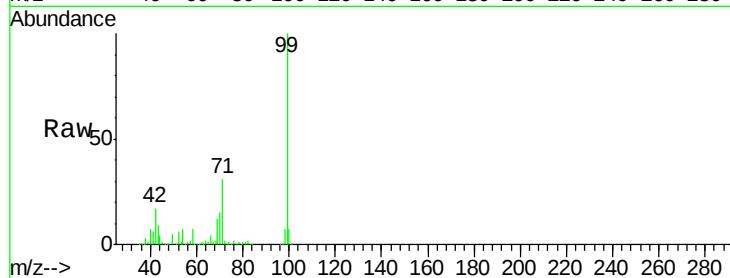
Tot Ion: 99 Resp: 553002

Ion Ratio Lower Upper

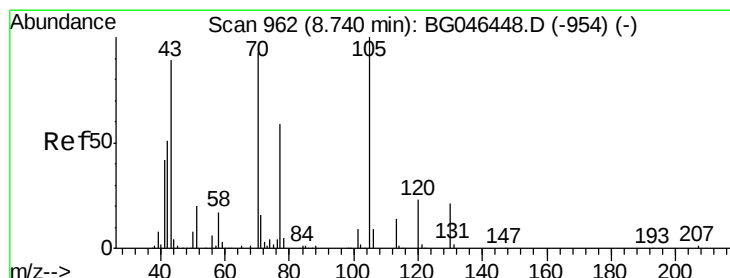
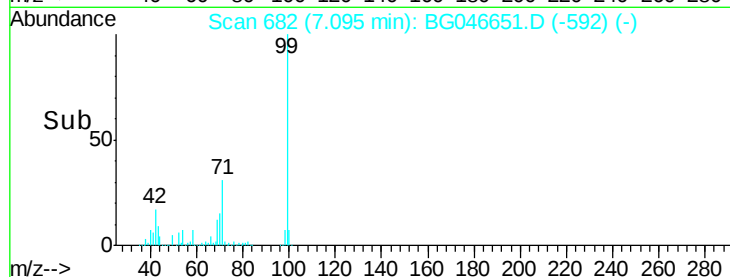
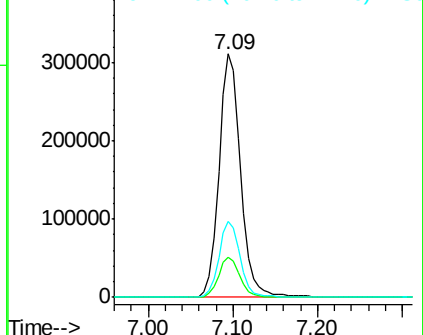
99 100

42 16.5 12.8 19.2

71 31.0 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: 17.744 ng

RT: 9.07 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046651.D

Acq: 16 Sep 2020 22:02

Tgt Ion: 70 Resp: 57254

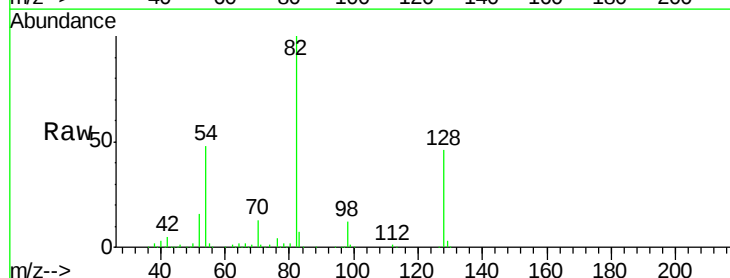
Ion Ratio Lower Upper

70 100

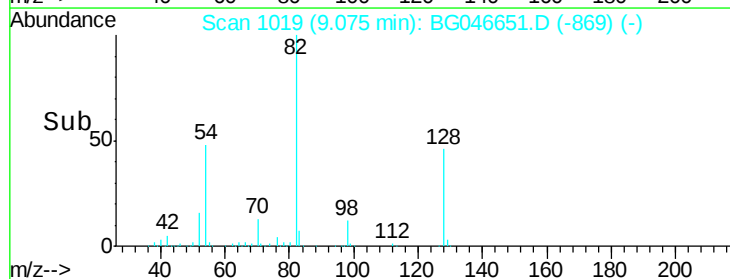
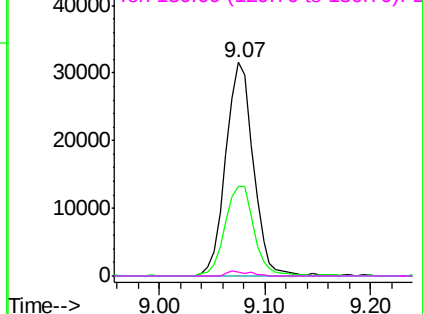
42 42.0 45.6 68.4#

101 0.0 8.4 12.6#

130 2.1 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

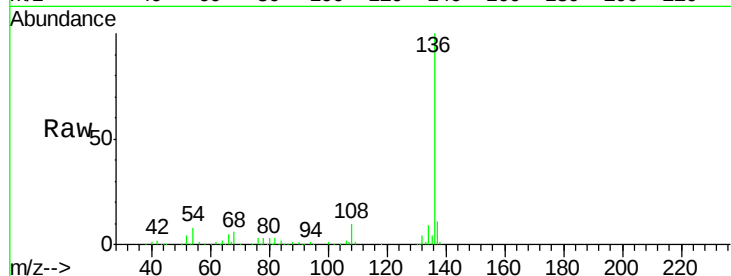




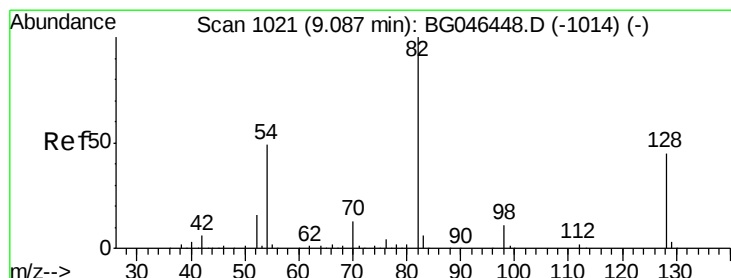
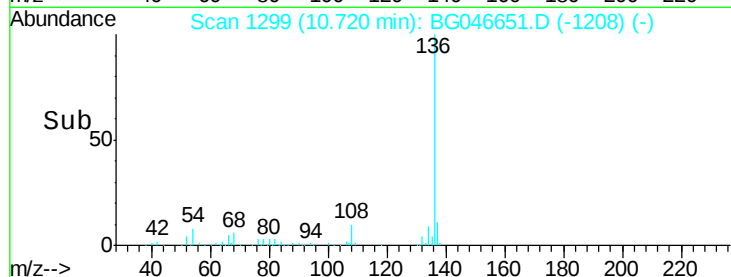
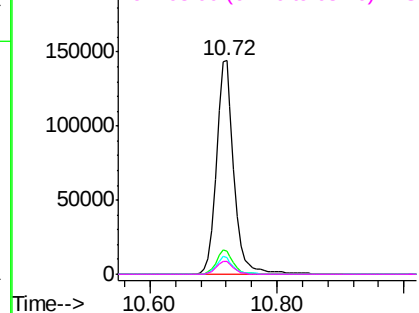
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG046651.D
Acq: 16 Sep 2020 22:02

Instrument :
BNA_G
ClientSampleId :
REACTOR-6E-(A-D-0-4)

Tot Ion:136	Resp:	279299
Ion Ratio	Lower	Upper
136 100		
137 11.0	9.1	13.7
54 7.5	6.2	9.4
68 5.8	5.0	7.4

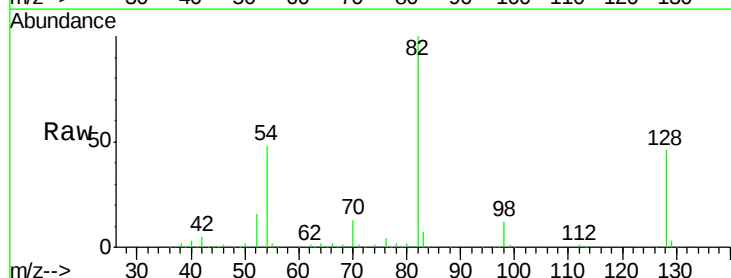


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

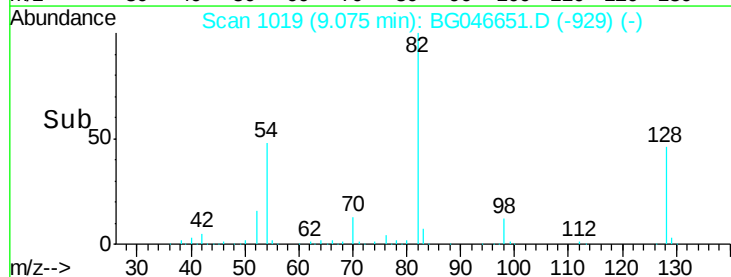
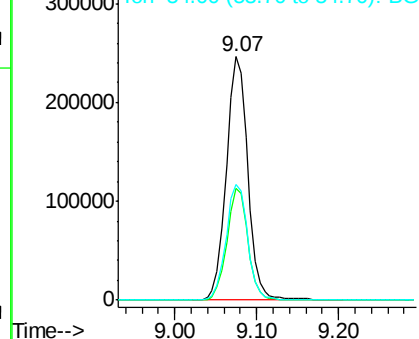


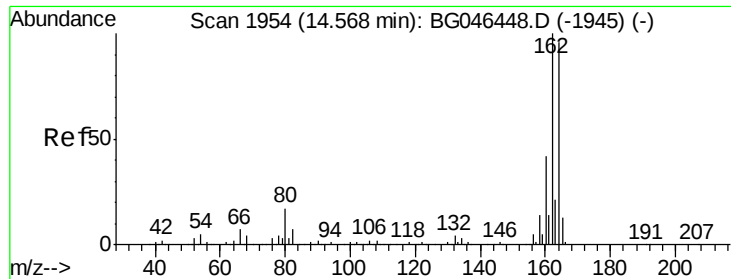
#23
Nitrobenzene-d5
Concen: 92.318 ng
RT: 9.07 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046651.D
Acq: 16 Sep 2020 22:02

Tgt	Ion: 82	Resp:	451127
Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.0	55.6
54	47.7	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: BG046651.D

Acq: 16 Sep 2020 22:02

Instrument :

BNA_G

ClientSampleId :

REACTOR-6E-(A-D-0-4)

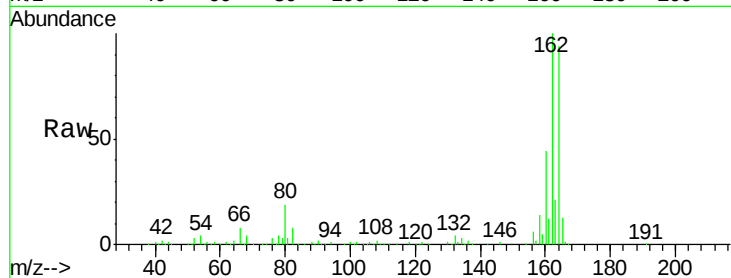
Tot Ion:164 Resp: 193873

Ion Ratio Lower Upper

164 100

162 105.9 82.3 123.5

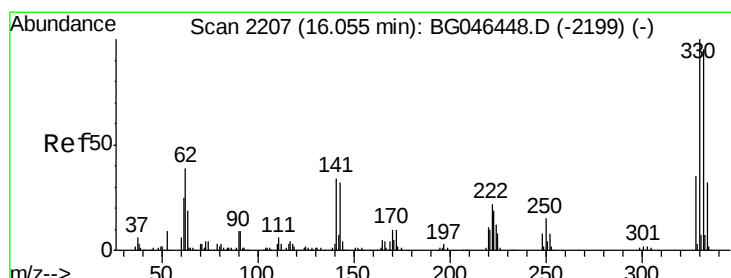
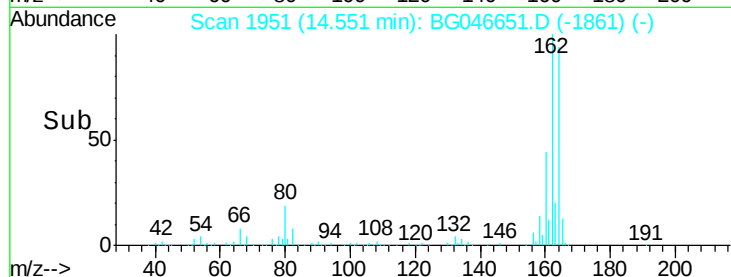
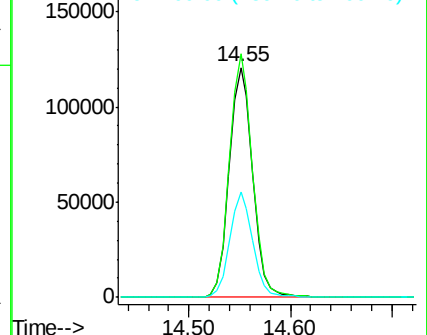
160 46.1 35.3 52.9



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: 115.383 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG046651.D

Acq: 16 Sep 2020 22:02

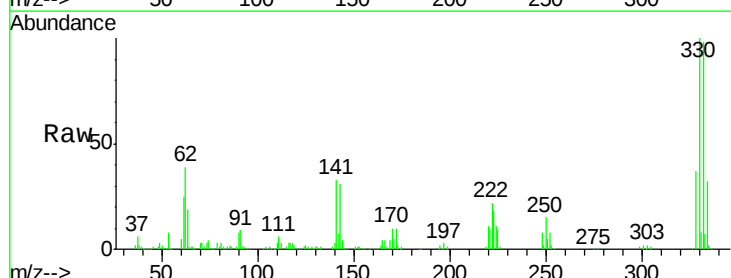
Tgt Ion:330 Resp: 303094

Ion Ratio Lower Upper

330 100

332 97.3 76.5 114.7

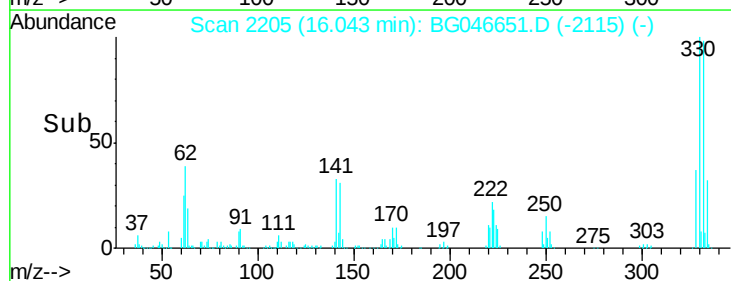
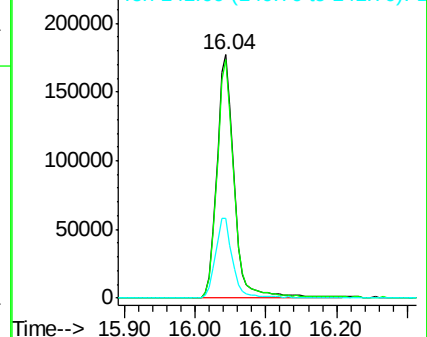
141 32.8 26.0 39.0

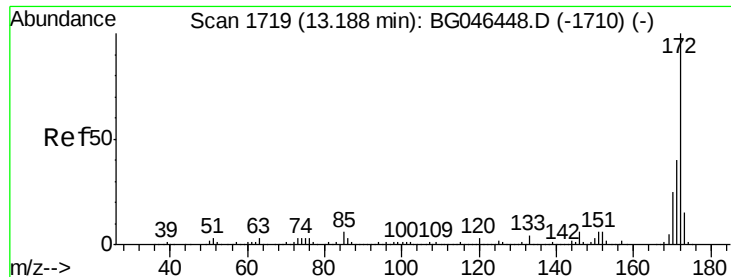


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

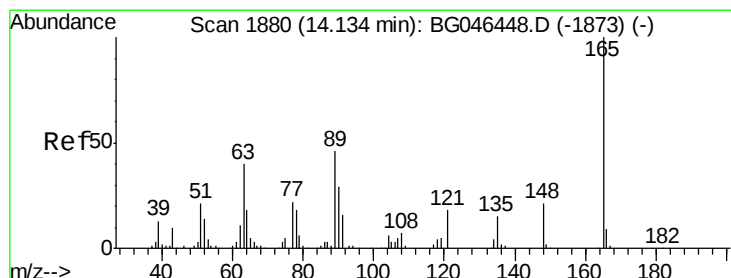
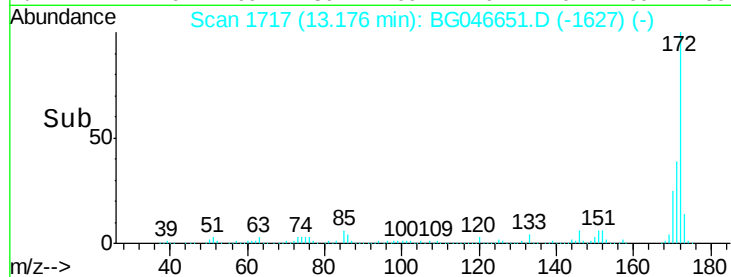
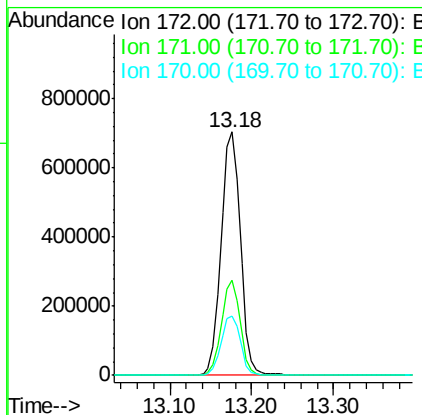
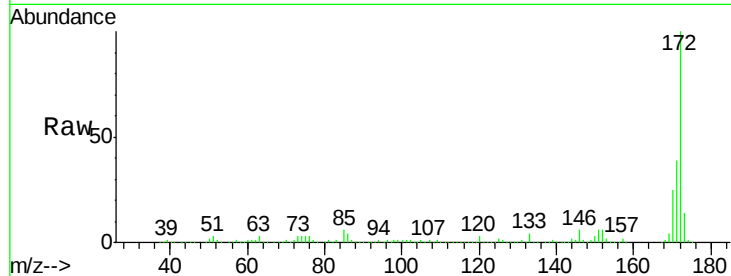




#45
 2-Fluorobiphenyl
 Concen: 91.393 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BG046651.D
 Acq: 16 Sep 2020 22:02

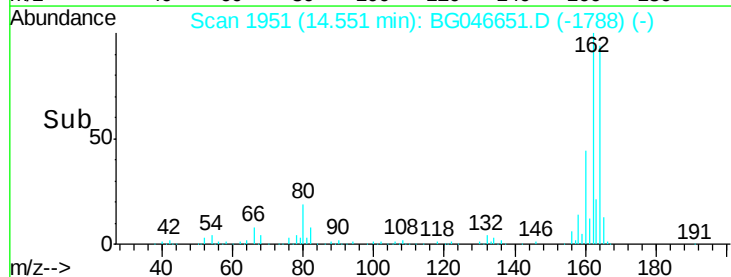
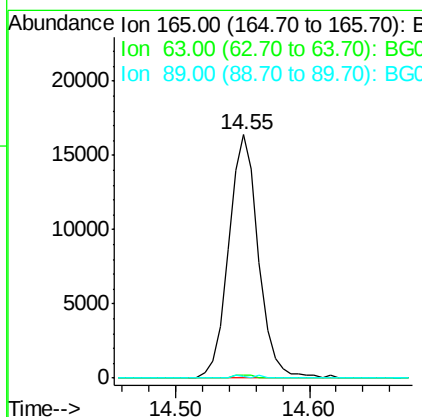
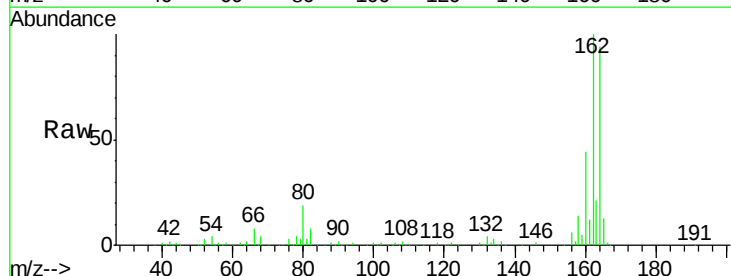
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-6E-(A-D-0-4)

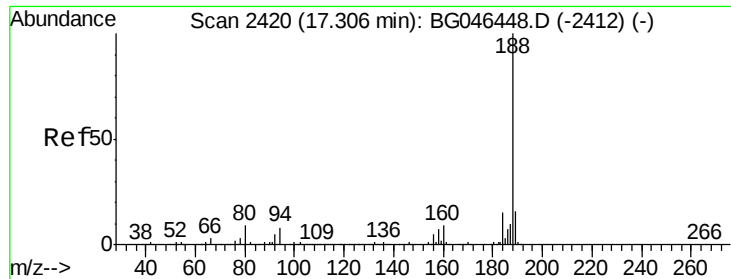
Tot Ion:172 Resp: 1160694
 Ion Ratio Lower Upper
 172 100
 171 38.9 31.3 46.9
 170 24.6 20.8 31.2



#51
 2,6-Dinitrotoluene
 Concen: 7.687 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG046651.D
 Acq: 16 Sep 2020 22:02

Tgt Ion:165 Resp: 25414
 Ion Ratio Lower Upper
 165 100
 63 1.0 33.7 50.5#
 89 1.0 36.6 54.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.29 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG046651.D

Acq: 16 Sep 2020 22:02

Instrument :

BNA_G

ClientSampleId :

REACTOR-6E-(A-D-0-4)

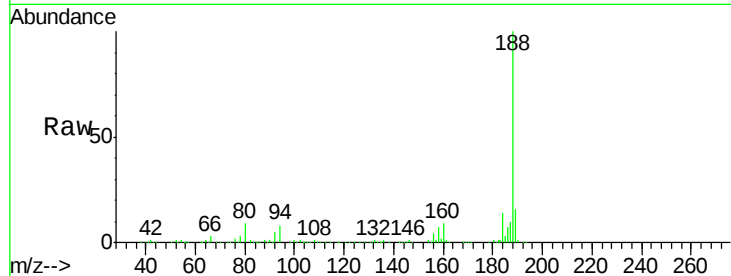
Tot Ion:188 Resp: 440136

Ion Ratio Lower Upper

188 100

94 8.2 6.3 9.5

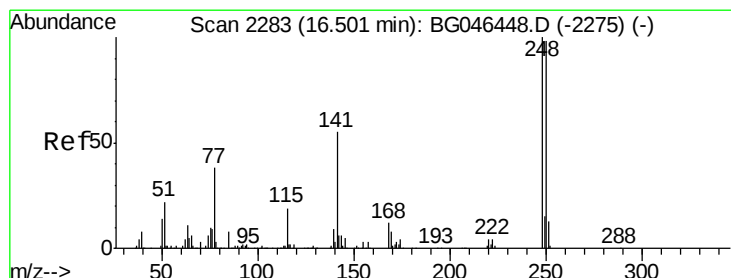
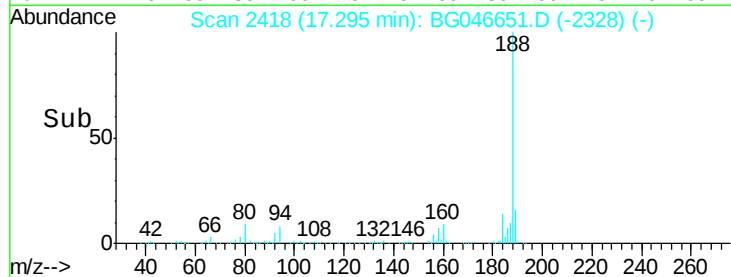
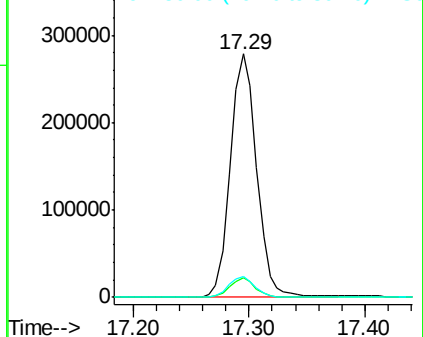
80 8.5 7.0 10.6



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: 4.544 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.44 min

Lab File: BG046651.D

Acq: 16 Sep 2020 22:02

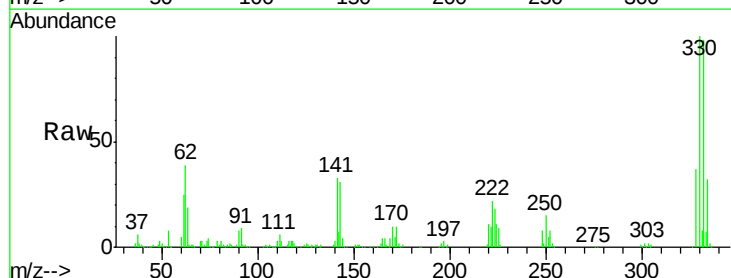
Tgt Ion:248 Resp: 23332

Ion Ratio Lower Upper

248 100

250 195.8 78.9 118.3#

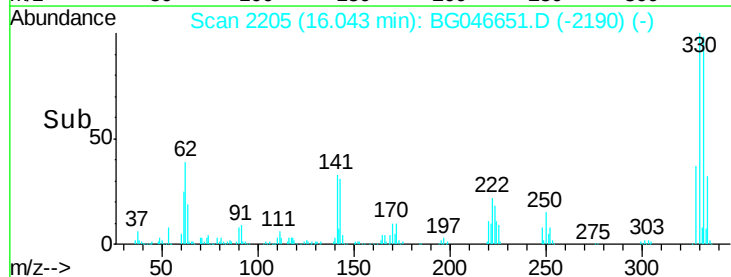
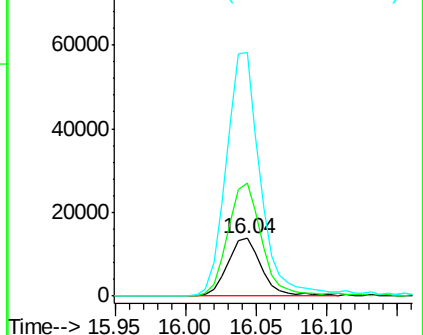
141 420.0 46.2 69.4#

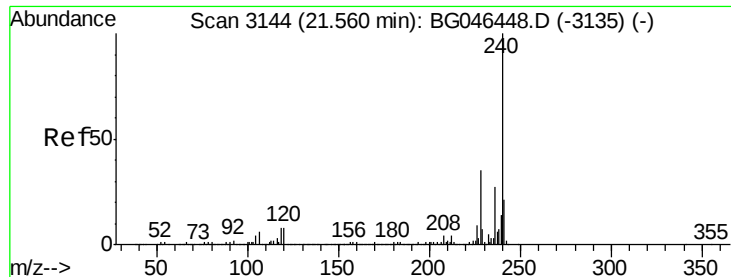


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

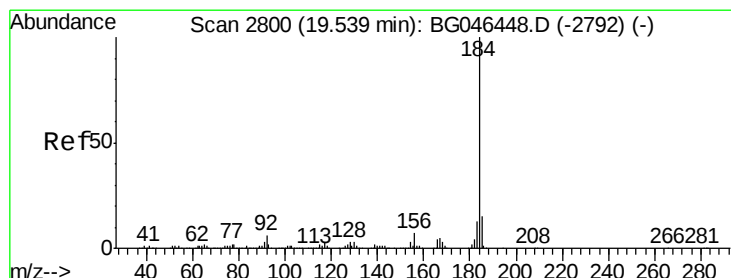
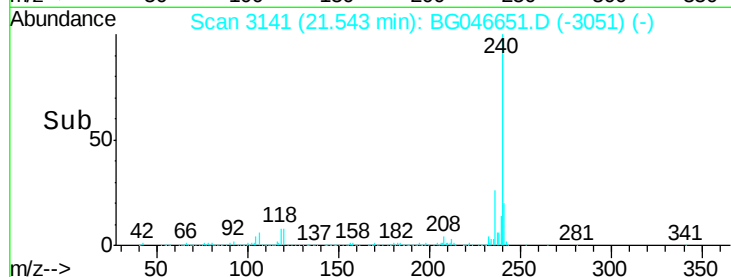
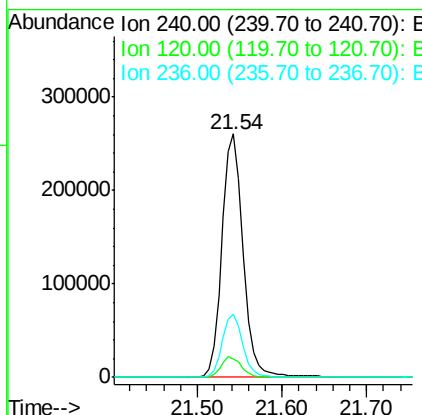
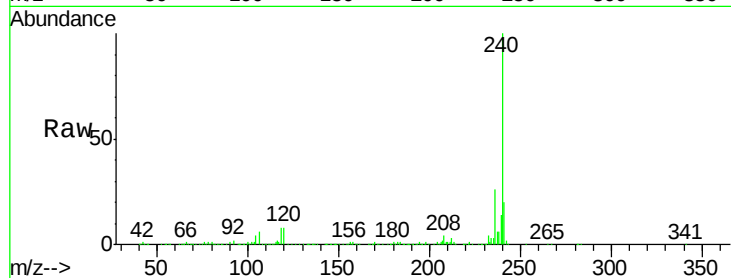




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046651.D
Acq: 16 Sep 2020 22:02

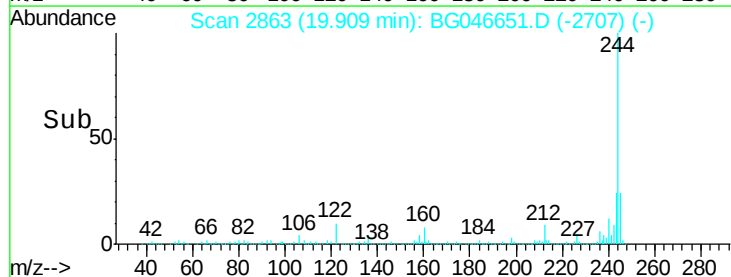
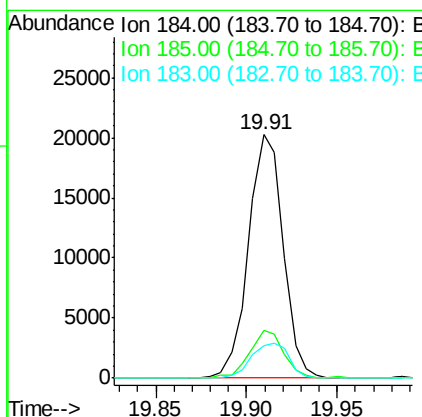
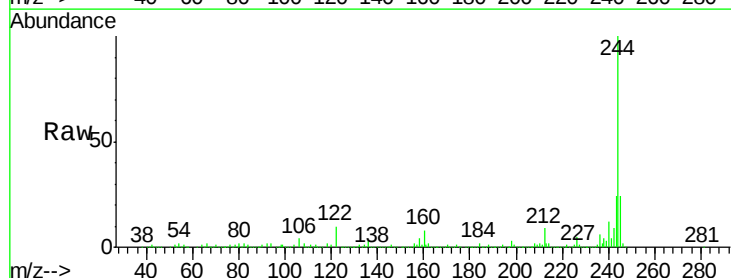
Instrument :
BNA_G
ClientSampleId :
REACTOR-6E-(A-D-0-4)

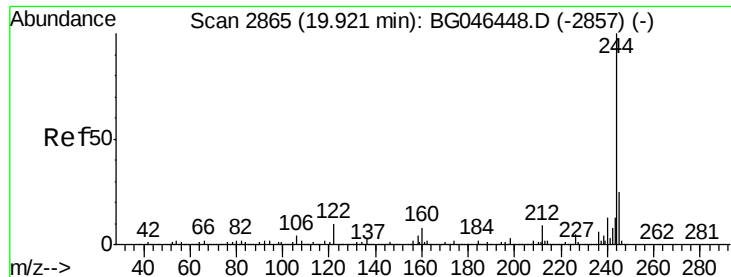
Tot Ion:240 Resp: 453131
Ion Ratio Lower Upper
240 100
120 7.7 6.2 9.4
236 25.8 20.5 30.7



#77
Benzidine
Concen: 2.545 ng
RT: 19.91 min Scan# 2863
Delta R.T. 0.39 min
Lab File: BG046651.D
Acq: 16 Sep 2020 22:02

Tgt Ion:184 Resp: 26796
Ion Ratio Lower Upper
184 100
185 19.6 12.4 18.6#
183 13.5 10.6 15.8





#79

Terphenyl-d14

Concen: 81.725 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG046651.D

Acq: 16 Sep 2020 22:02

Instrument :

BNA_G

ClientSampleId :

REACTOR-6E-(A-D-0-4)

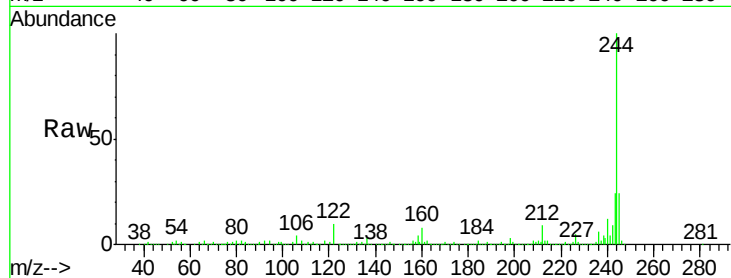
Tot Ion:244 Resp: 1740084

Ion Ratio Lower Upper

244 100

212 8.5 6.7 10.1

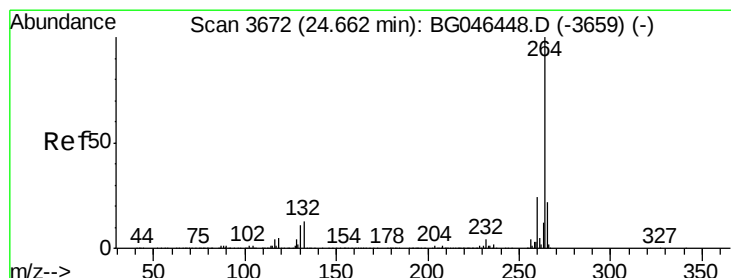
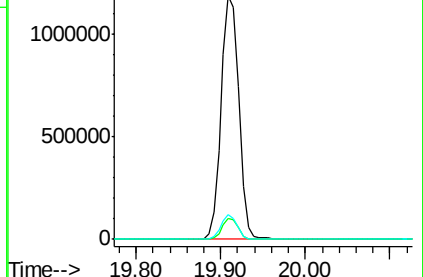
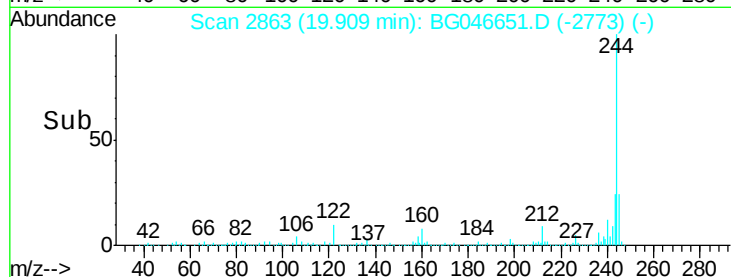
122 10.2 7.8 11.6



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

Perylene-d12

Concen: 20.000 ng

RT: 24.63 min Scan# 3667

Delta R.T. -0.00 min

Lab File: BG046651.D

Acq: 16 Sep 2020 22:02

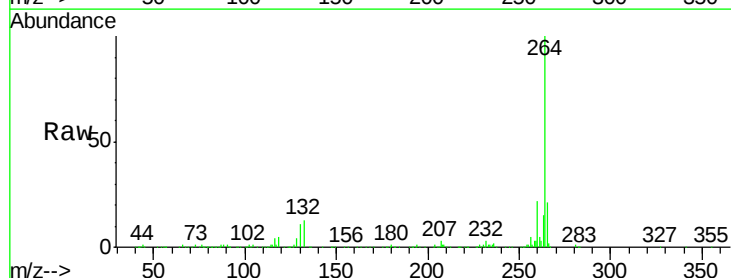
Tgt Ion:264 Resp: 442171

Ion Ratio Lower Upper

264 100

260 22.5 18.8 28.2

265 21.0 17.8 26.8



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

