

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046652.D
 Acq On : 16 Sep 2020 22:42
 Operator : CG/JU
 Sample : L4015-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-5W-(A-D-0-4)

Quant Time: Sep 17 00:37:48 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

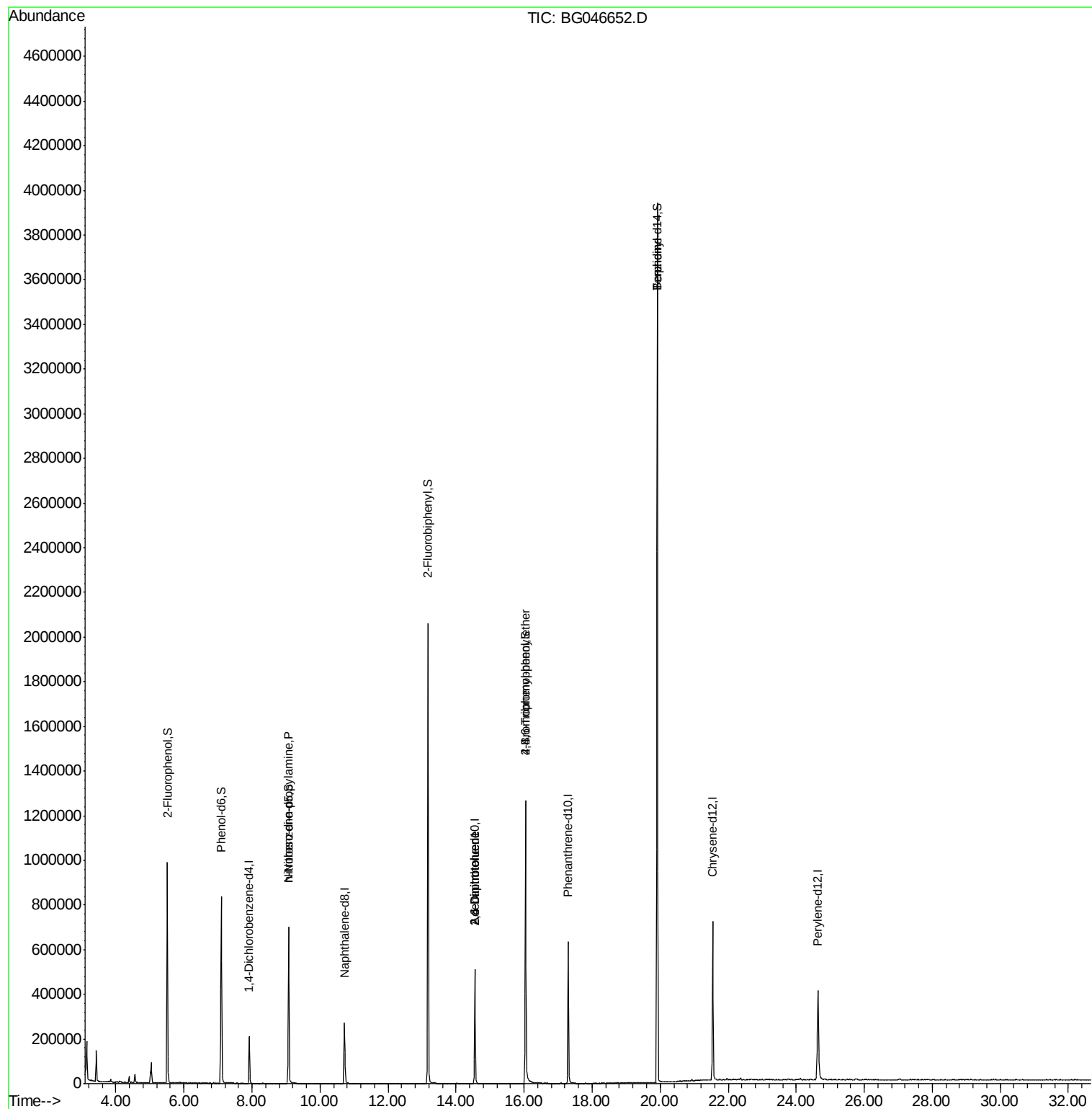
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	68096	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	281496	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	195895	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	445395	20.00	ng	0.00
76) Chrysene-d12	21.54	240	470244	20.00	ng	0.00
86) Perylene-d12	24.64	264	461152	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	456557	118.75	ng	0.00
7) Phenol-d6	7.09	99	543867	99.79	ng	0.00
23) Nitrobenzene-d5	9.07	82	451773	91.73	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	293132	110.44	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1153547	89.89	ng	0.00
79) Terphenyl-d14	19.91	244	1782347	80.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	56722	17.399	ng	# 74
51) 2,6-Dinitrotoluene	14.55	165	26063	7.802	ng	# 33
57) 2,4-Dinitrotoluene	14.55	165	26065	5.472	ng	# 31
67) 4-Bromophenyl-phenylether	16.04	248	22013	4.236	ng	# 1
77) Benzidine	19.91	184	27334	2.502	ng	# 95

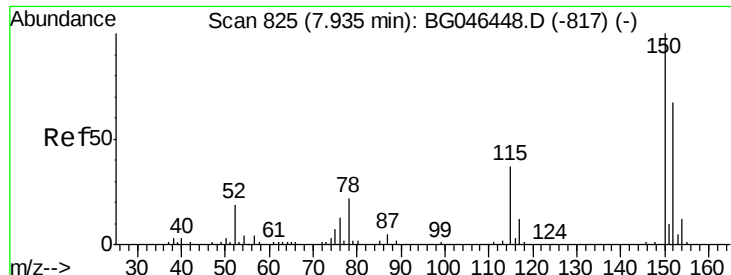
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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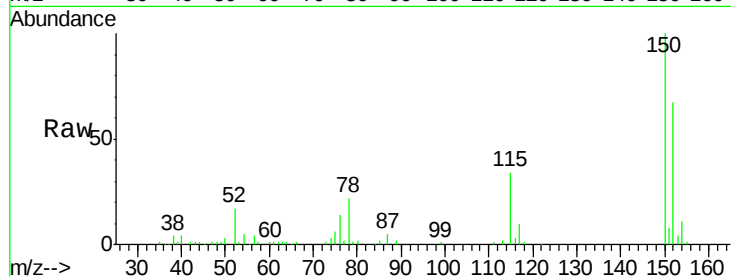


#1

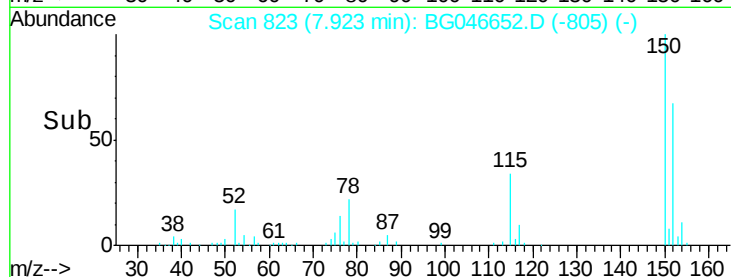
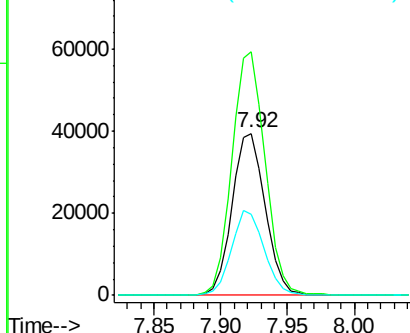
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BG046652.D
 Acq: 16 Sep 2020 22:42

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-5W-(A-D-0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	125.0	187.6
115	50.3	41.8	62.6



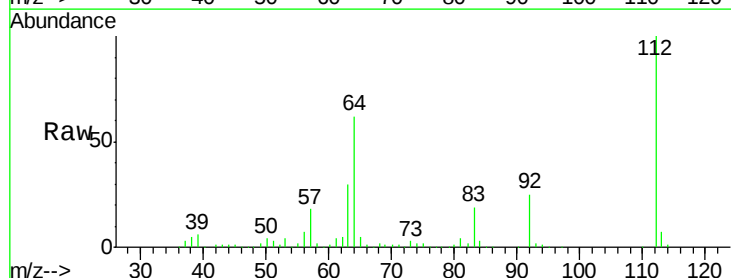
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



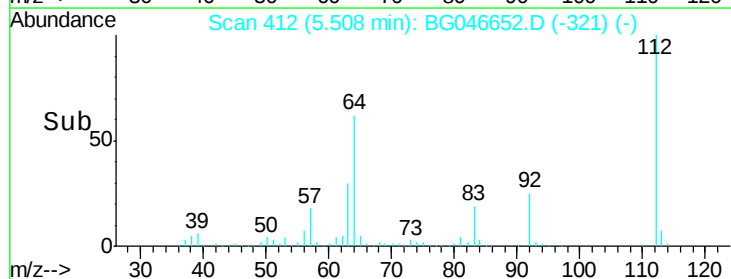
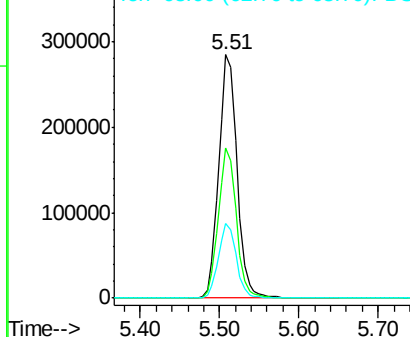
#5

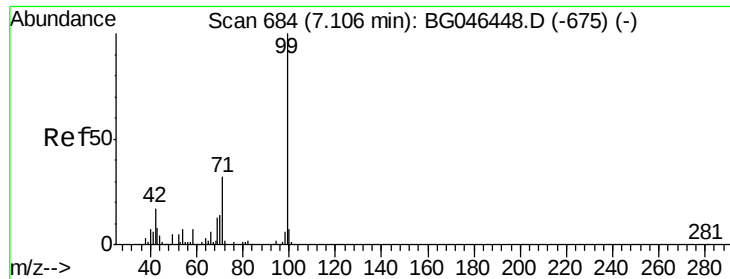
2-Fluorophenol
 Concen: 118.751 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BG046652.D
 Acq: 16 Sep 2020 22:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	46.7	70.1
63	30.5	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: 99.788 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046652.D

Acq: 16 Sep 2020 22:42

Instrument :

BNA_G

ClientSampleId :

REACTOR-5W-(A-D-0-4)

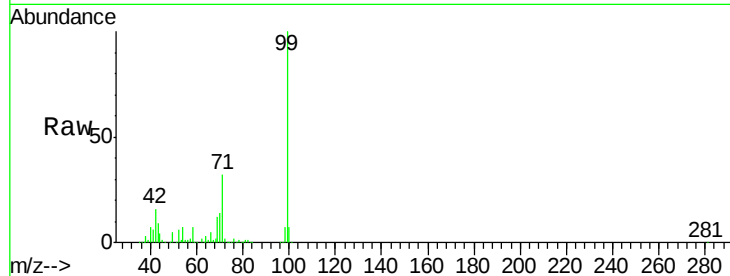
Tot Ion: 99 Resp: 543867

Ion Ratio Lower Upper

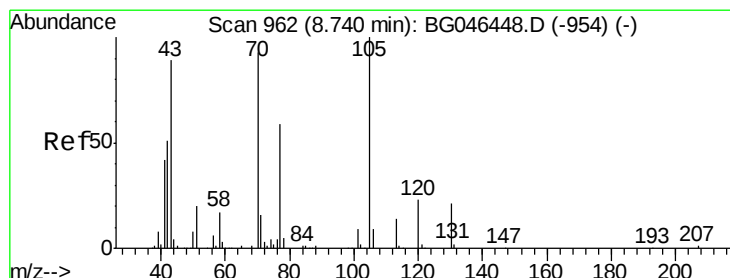
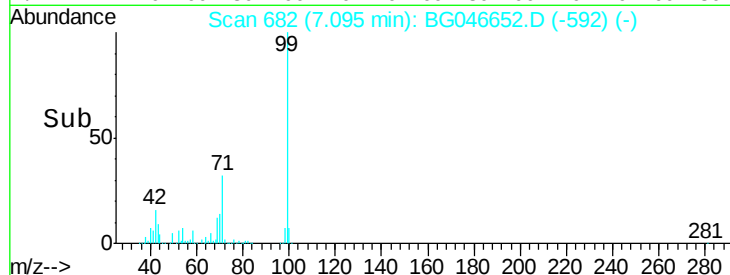
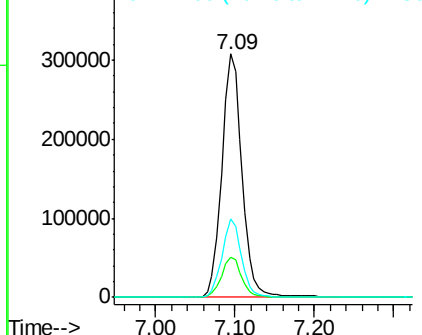
99 100

42 16.4 12.8 19.2

71 32.1 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: 17.399 ng

RT: 9.07 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046652.D

Acq: 16 Sep 2020 22:42

Tgt Ion: 70 Resp: 56722

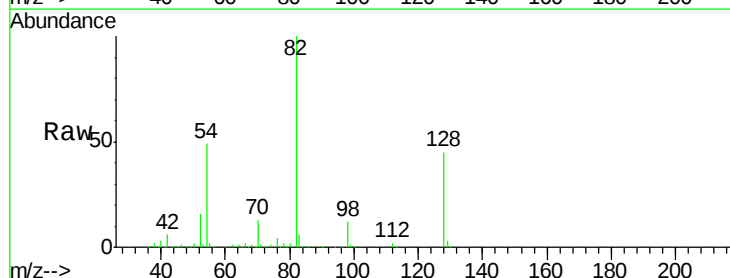
Ion Ratio Lower Upper

70 100

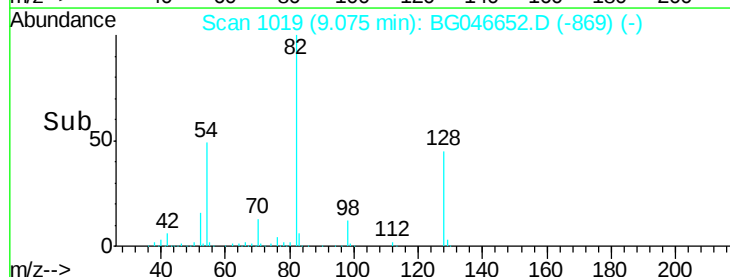
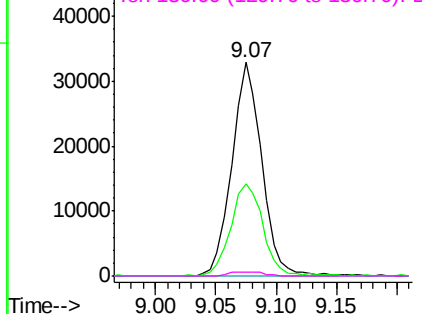
42 42.9 45.6 68.4#

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

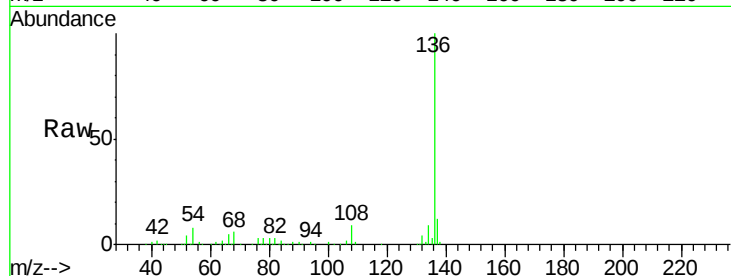




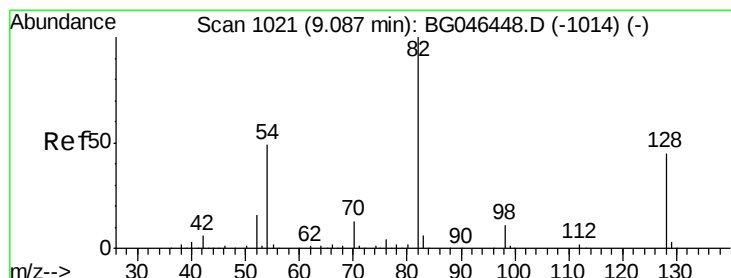
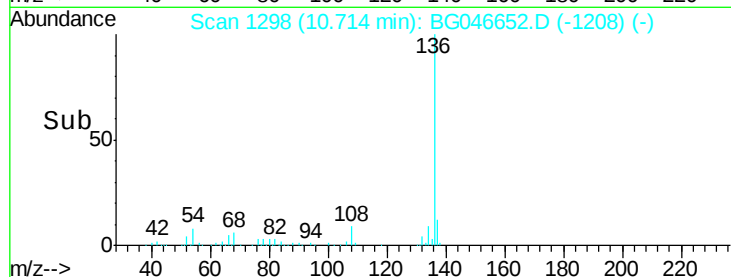
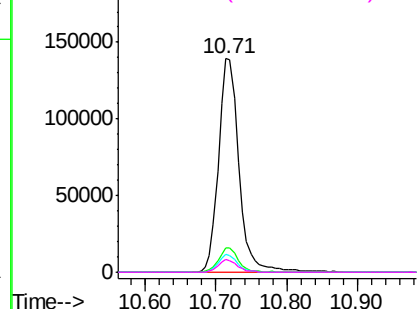
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG046652.D
Acq: 16 Sep 2020 22:42

Instrument :
BNA_G
ClientSampleId :
REACTOR-5W-(A-D-0-4)

Tot Ion:136	Resp:	281496
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.1 13.7
54	8.3	6.2 9.4
68	6.1	5.0 7.4

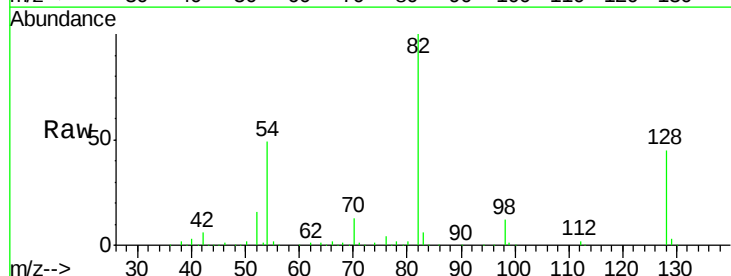


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

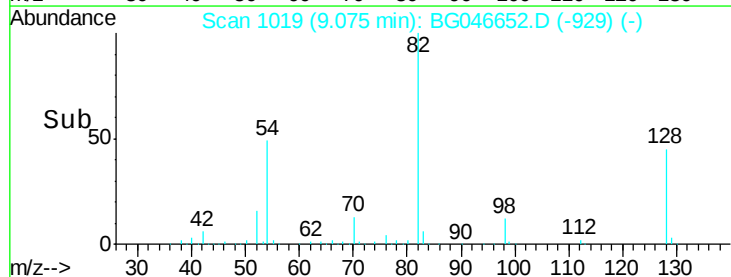
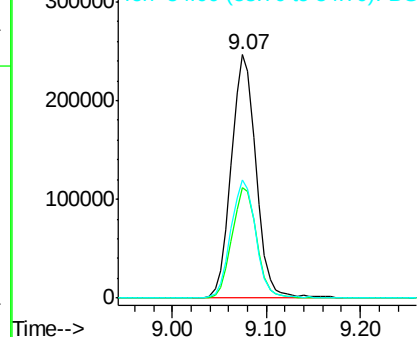


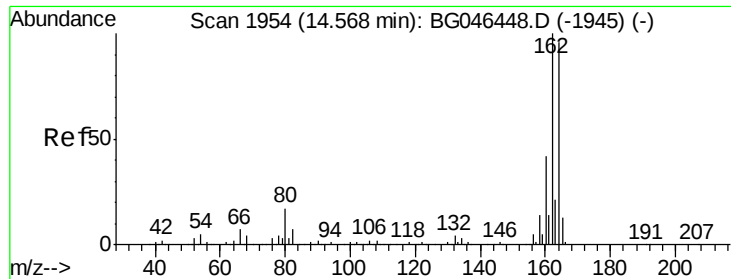
#23
Nitrobenzene-d5
Concen: 91.728 ng
RT: 9.07 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046652.D
Acq: 16 Sep 2020 22:42

Tgt Ion: 82	Resp:	451773
Ion	Ratio	Lower Upper
82	100	
128	45.5	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): BGC
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: BG046652.D

Acq: 16 Sep 2020 22:42

Instrument :

BNA_G

ClientSampleId :

REACTOR-5W-(A-D-0-4)

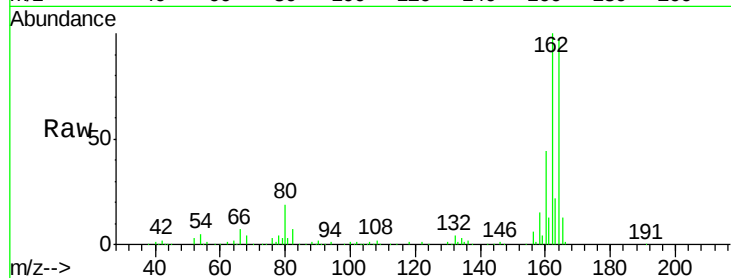
Tot Ion:164 Resp: 195895

Ion Ratio Lower Upper

164 100

162 103.5 82.3 123.5

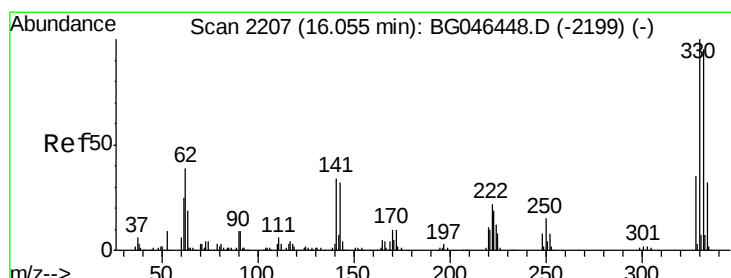
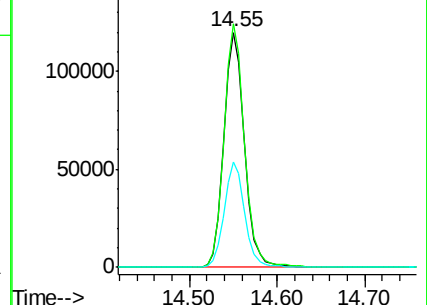
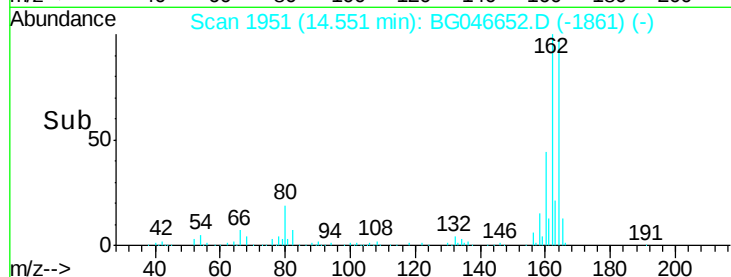
160 45.1 35.3 52.9



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: 110.439 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG046652.D

Acq: 16 Sep 2020 22:42

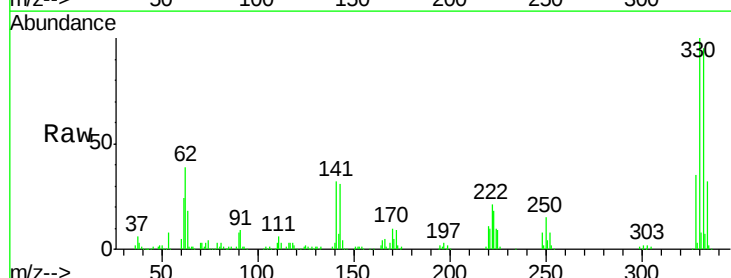
Tgt Ion:330 Resp: 293132

Ion Ratio Lower Upper

330 100

332 97.7 76.5 114.7

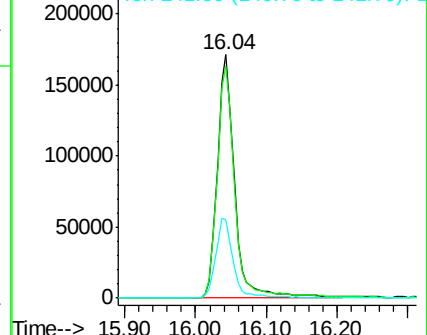
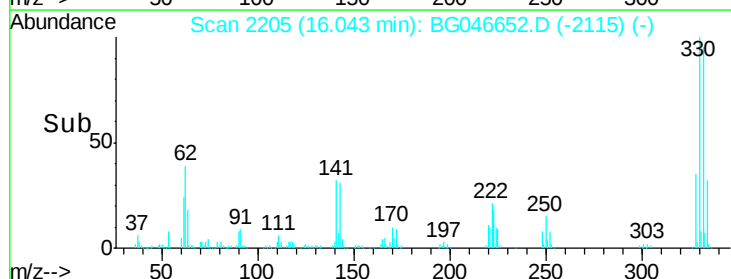
141 33.3 26.0 39.0

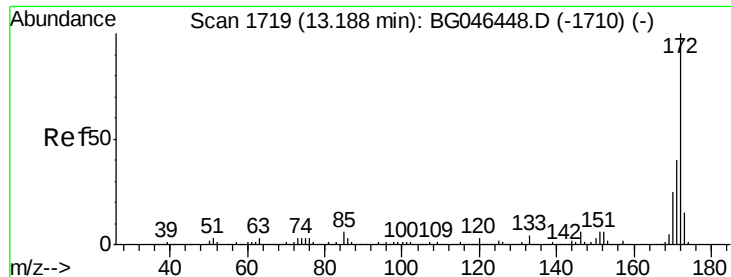


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

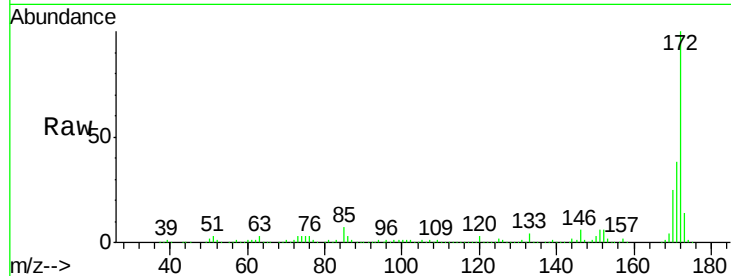




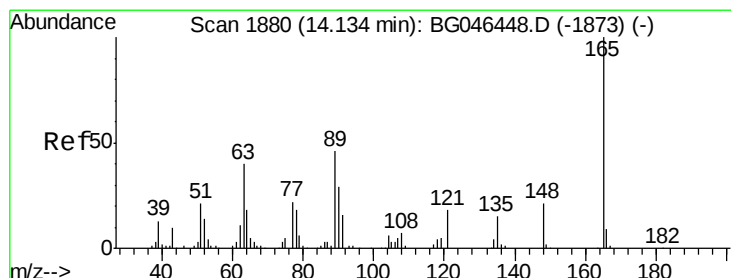
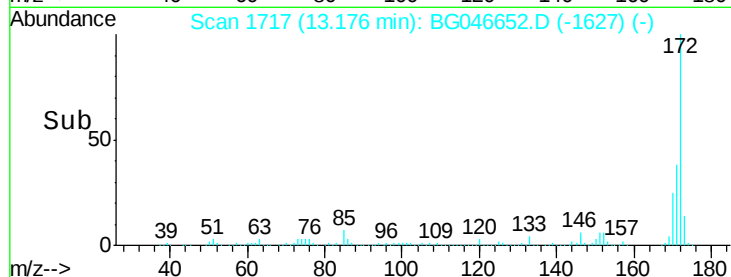
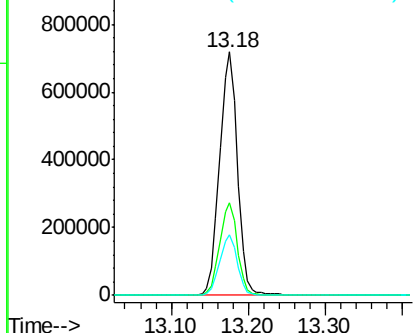
#45
2-Fluorobiphenyl
Concen: 89.893 ng
RT: 13.18 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG046652.D
Acq: 16 Sep 2020 22:42

Instrument :
BNA_G
ClientSampleId :
REACTOR-5W-(A-D-0-4)

Tot Ion:172 Resp: 1153547
Ion Ratio Lower Upper
172 100
171 38.2 31.3 46.9
170 25.1 20.8 31.2

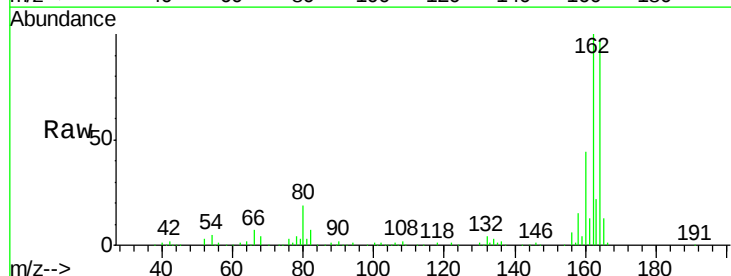


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

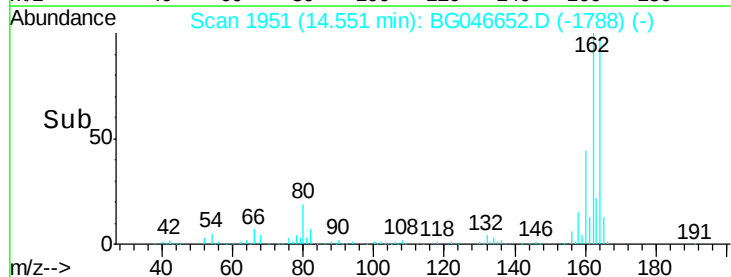
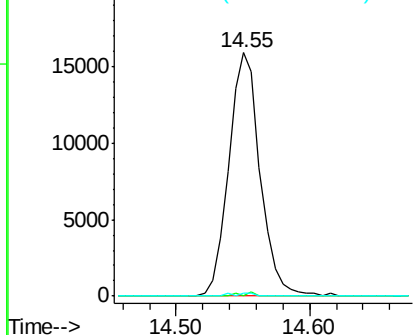


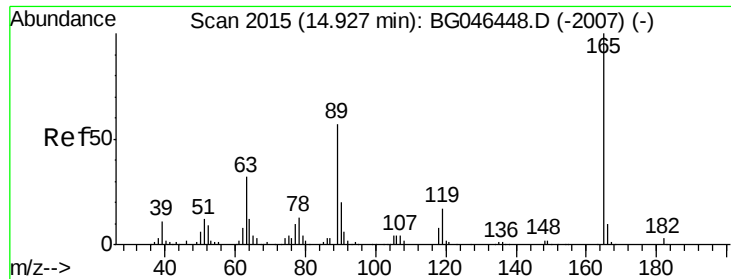
#51
2,6-Dinitrotoluene
Concen: 7.802 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.43 min
Lab File: BG046652.D
Acq: 16 Sep 2020 22:42

Tgt Ion:165 Resp: 26063
Ion Ratio Lower Upper
165 100
63 0.0 33.7 50.5#
89 1.4 36.6 54.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

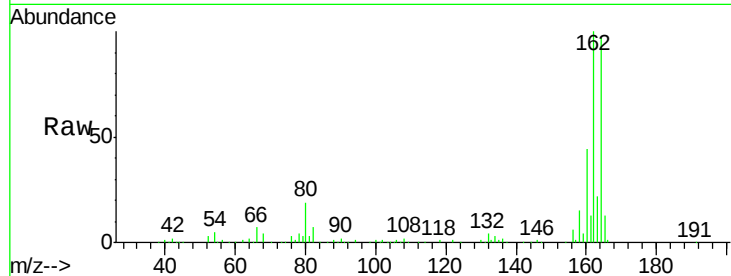




#57
 2,4-Dinitrotoluene
 Concen: 5.472 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.37 min
 Lab File: BG046652.D
 Acq: 16 Sep 2020 22:42

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-5W-(A-D-0-4)

Tot Ion:165	Resp:	26065
Ion Ratio	Lower	Upper
165	100	
63	0.0	26.4
89	1.4	47.8
182	0.0	2.6

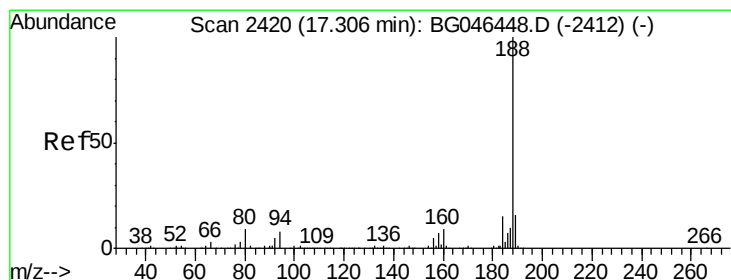
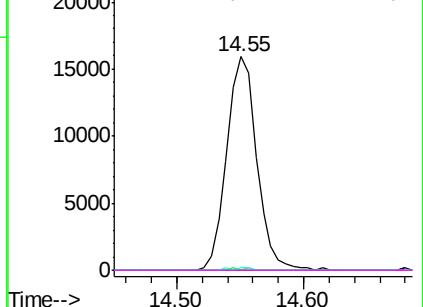
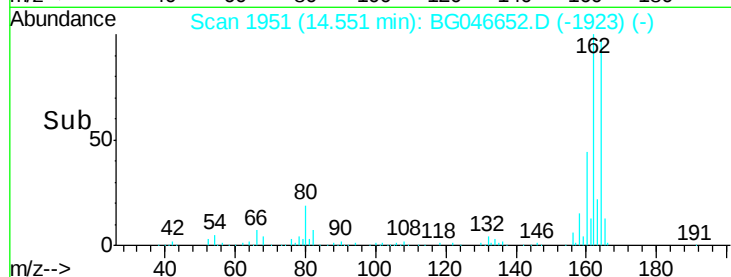


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

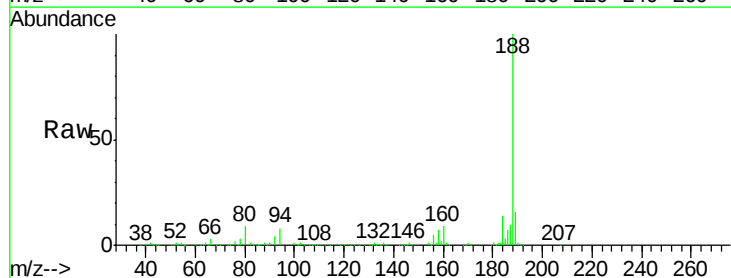
Ion 89.00 (88.70 to 89.70): BGC

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: BG046652.D
 Acq: 16 Sep 2020 22:42

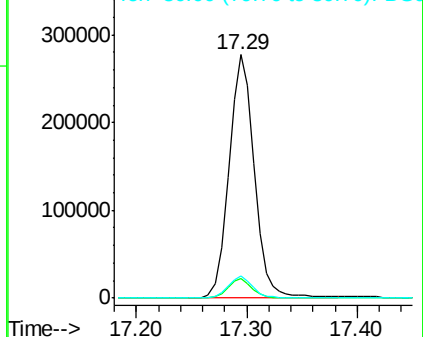
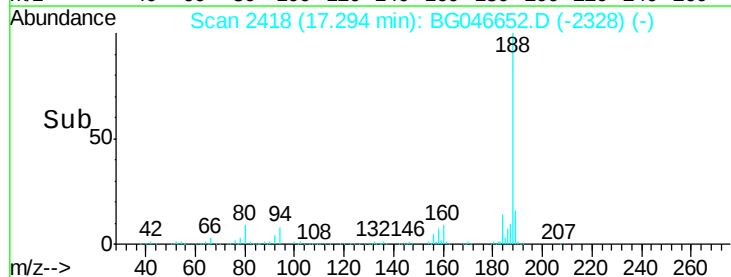
Tgt Ion:188	Resp:	445395
Ion Ratio	Lower	Upper
188	100	
94	7.8	6.3
80	9.2	7.0

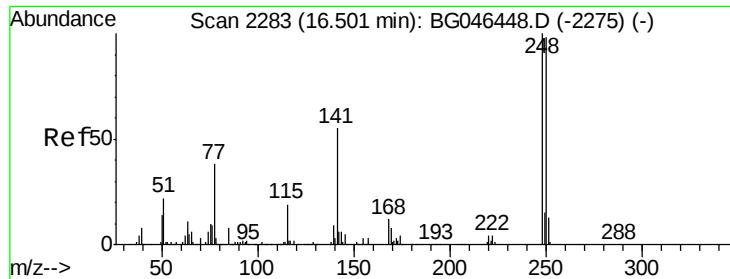


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

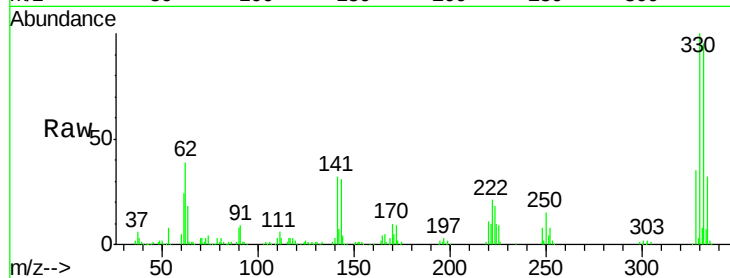




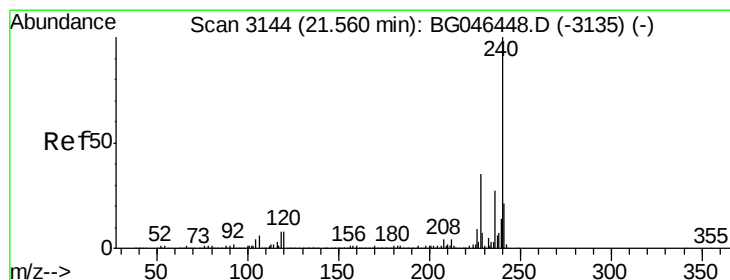
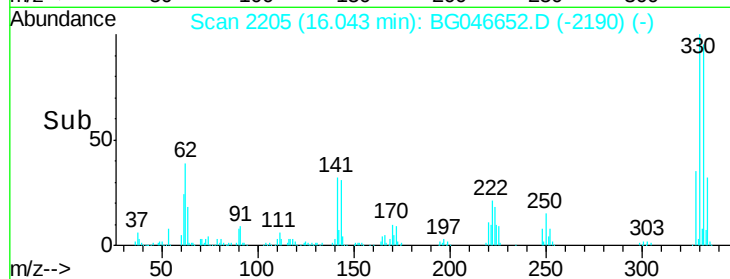
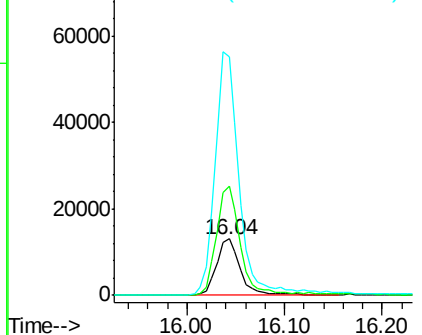
#67
4-Bromophenyl-phenylether
Concen: 4.236 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.44 min
Lab File: BG046652.D
Acq: 16 Sep 2020 22:42

Instrument :
BNA_G
ClientSampleId :
REACTOR-5W-(A-D-0-4)

Tot Ion:248 Resp: 22013
Ion Ratio Lower Upper
248 100
250 192.9 78.9 118.3#
141 422.5 46.2 69.4#

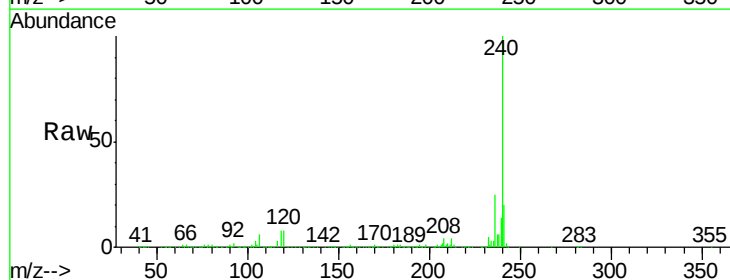


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

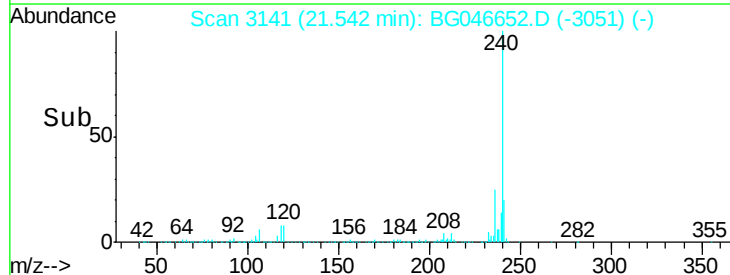
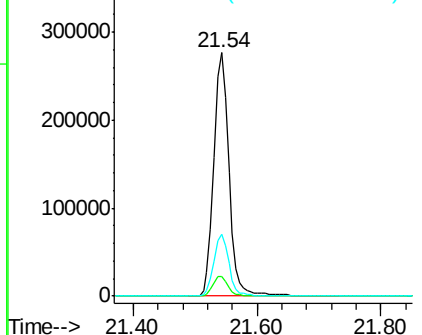


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046652.D
Acq: 16 Sep 2020 22:42

Tgt Ion:240 Resp: 470244
Ion Ratio Lower Upper
240 100
120 8.1 6.2 9.4
236 25.4 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: 2.502 ng

RT: 19.91 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG046652.D

Acq: 16 Sep 2020 22:42

Instrument :

BNA_G

ClientSampleId :

REACTOR-5W-(A-D-0-4)

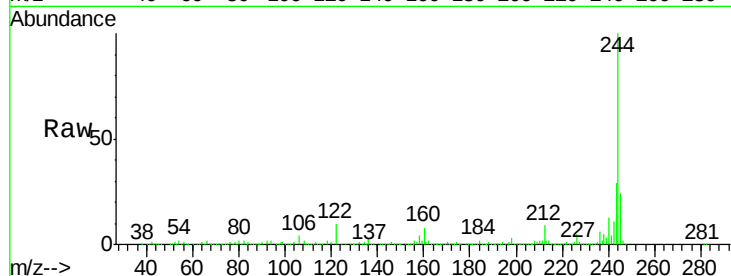
Tot Ion:184 Resp: 27334

Ion Ratio Lower Upper

184 100

185 18.7 12.4 18.6#

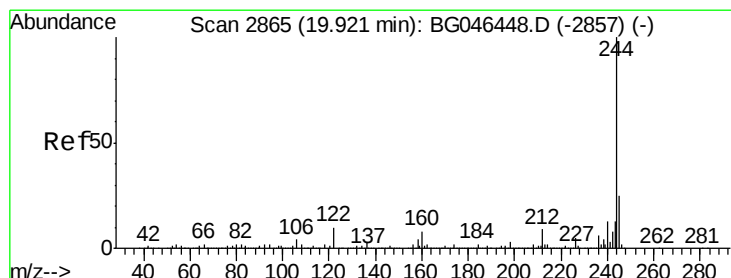
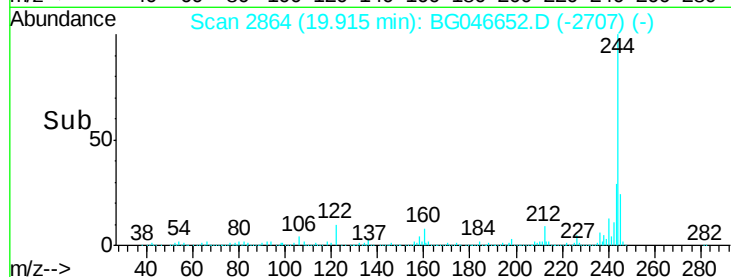
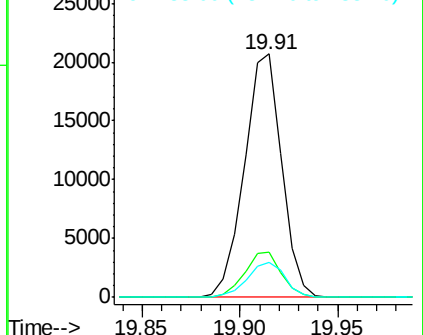
183 14.4 10.6 15.8



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: 80.663 ng

RT: 19.91 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BG046652.D

Acq: 16 Sep 2020 22:42

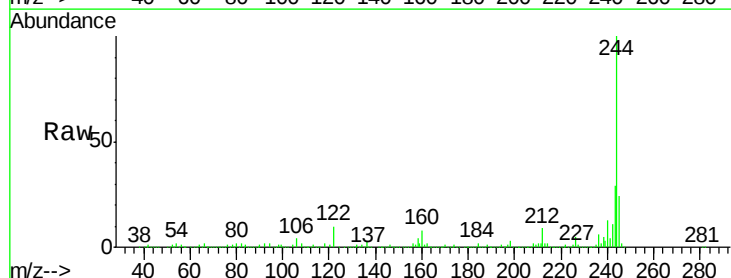
Tgt Ion:244 Resp: 1782347

Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

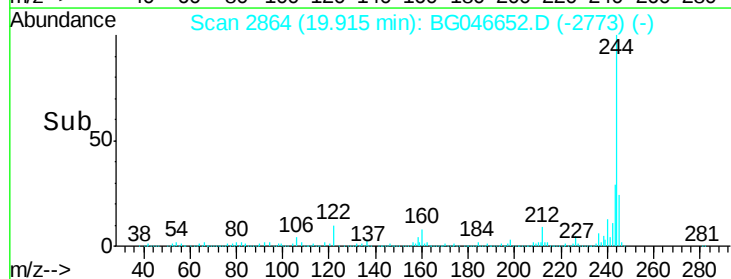
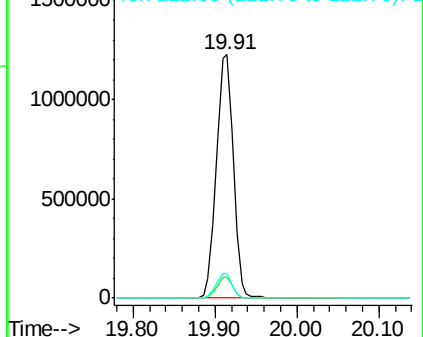
122 10.0 7.8 11.6

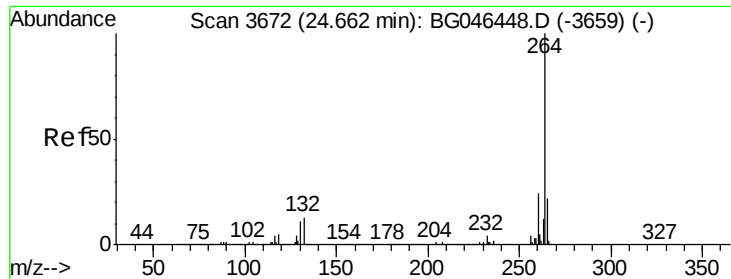


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG046652.D
 Acq: 16 Sep 2020 22:42

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-5W-(A-D-0-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	22.1	17.8	26.8

