

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090920\
 Data File : BG046575.D
 Acq On : 9 Sep 2020 16:36
 Operator : CG/JU
 Sample : L3808-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Quant Time: Sep 09 17:50:12 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

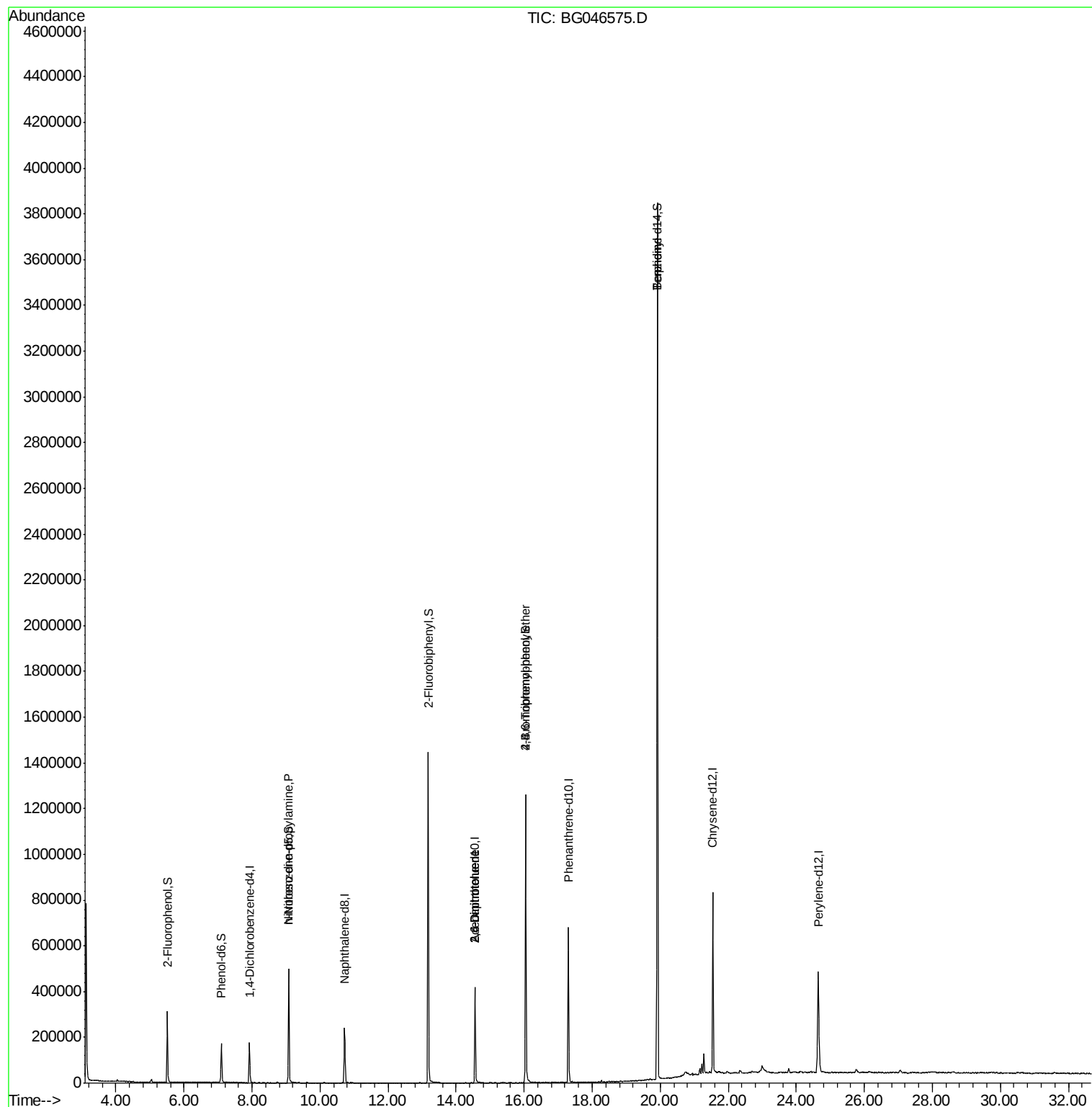
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	55927	20.00	ng	-0.01
21) Naphthalene-d8	10.72	136	226245	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	162164	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	452645	20.00	ng	0.00
76) Chrysene-d12	21.55	240	497216	20.00	ng	0.00
86) Perylene-d12	24.64	264	486479	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	150988	47.82	ng	0.00
7) Phenol-d6	7.10	99	116348	25.99	ng	0.00
23) Nitrobenzene-d5	9.08	82	320865	81.06	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	275095	125.20	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	852826	80.28	ng	0.00
79) Terphenyl-d14	19.91	244	1747009	74.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	41064	15.337	ng	# 76
51) 2,6-Dinitrotoluene	14.55	165	21685	7.841	ng	# 34
57) 2,4-Dinitrotoluene	14.55	165	21685	5.499	ng	# 34
67) 4-Bromophenyl-phenylether	16.04	248	21252	4.024	ng	# 1
77) Benzidine	19.91	184	27311	2.364	ng	96

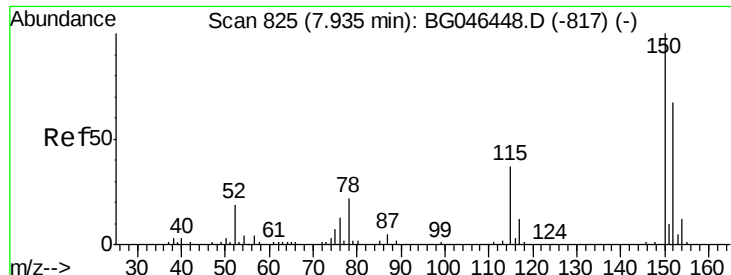
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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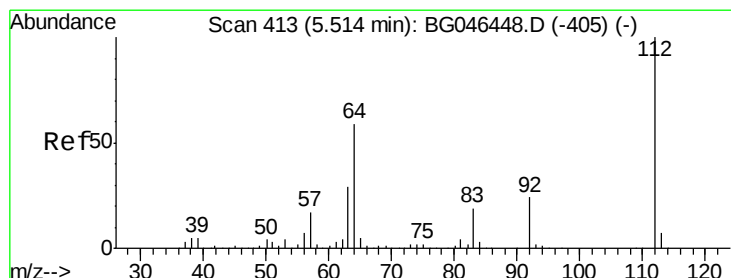
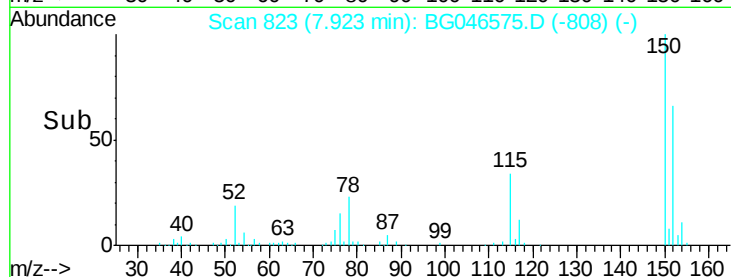
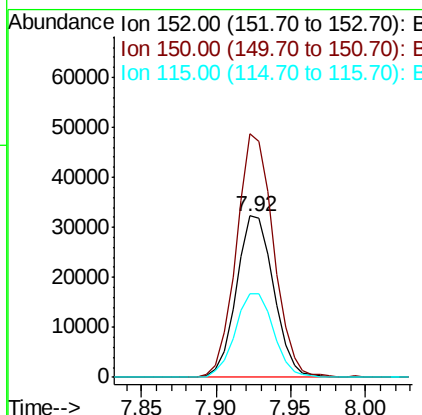
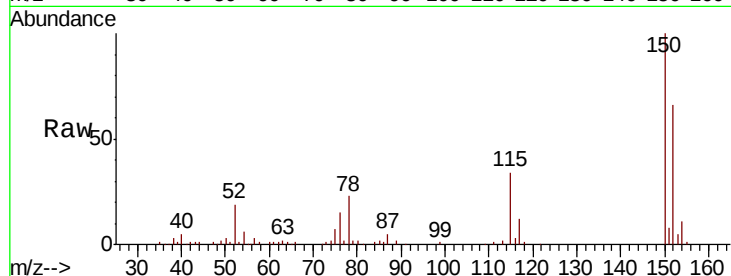


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BG046575.D
 Acq: 9 Sep 2020 16:36

Instrument :
 BNA_G
 ClientSampleId :
 FIELD-BLANK

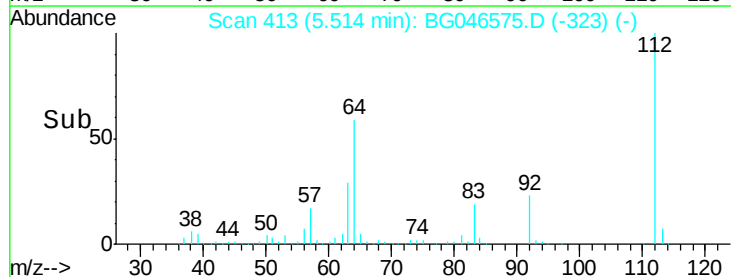
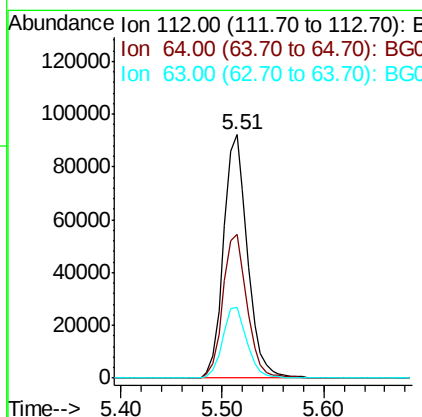
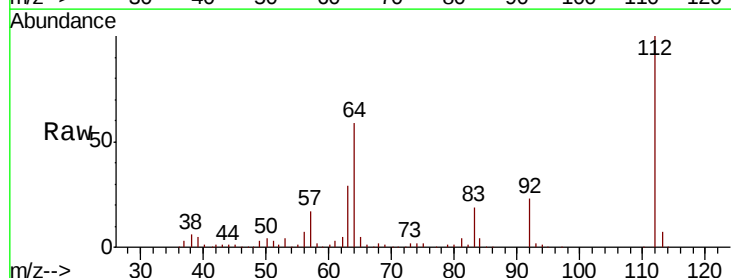
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	119.5	179.3
115	51.5	44.3	66.5



#5

2-Fluorophenol
 Concen: 47.817 ng
 RT: 5.51 min Scan# 413
 Delta R.T. -0.00 min
 Lab File: BG046575.D
 Acq: 9 Sep 2020 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.0	70.6
63	29.1	23.5	35.3





#7

Phenol-d6

Concen: 25.992 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046575.D

Acq: 9 Sep 2020 16:36

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

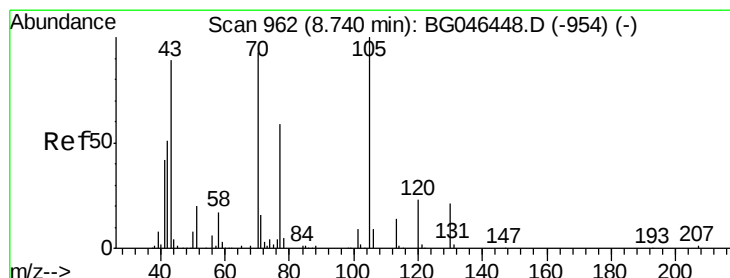
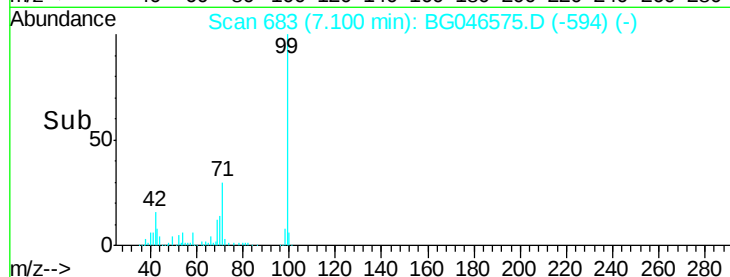
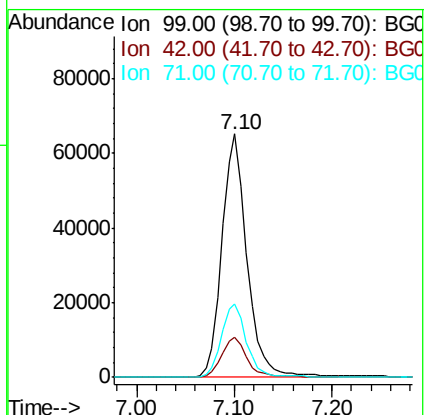
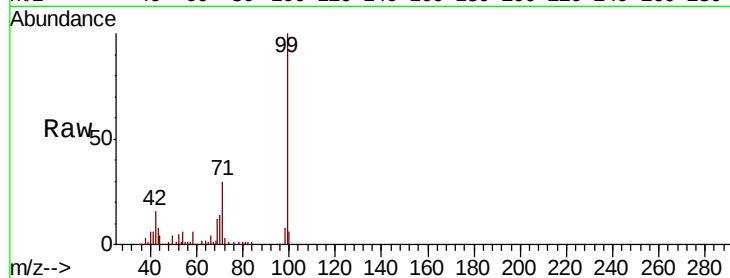
Tot Ion: 99 Resp: 116348

Ion Ratio Lower Upper

99 100

42 16.2 13.3 19.9

71 30.4 25.3 37.9



#19

n-Nitroso-di-n-propylamine

Concen: 15.337 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046575.D

Acq: 9 Sep 2020 16:36

Tgt Ion: 70 Resp: 41064

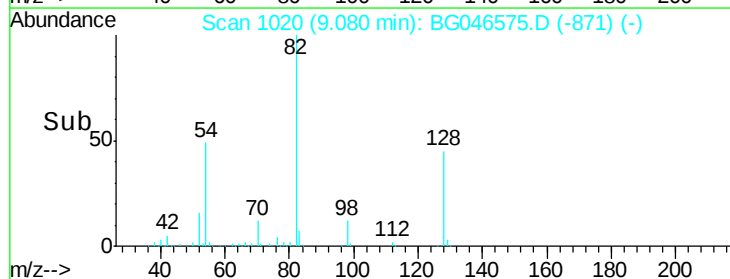
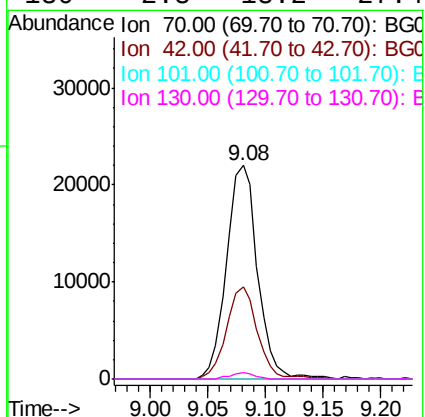
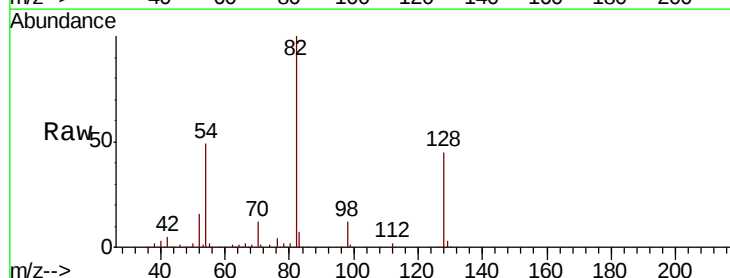
Ion Ratio Lower Upper

70 100

42 43.0 44.2 66.2#

101 0.0 7.8 11.8#

130 2.8 18.2 27.4#

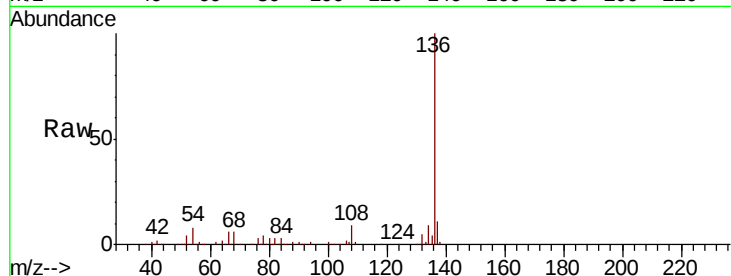




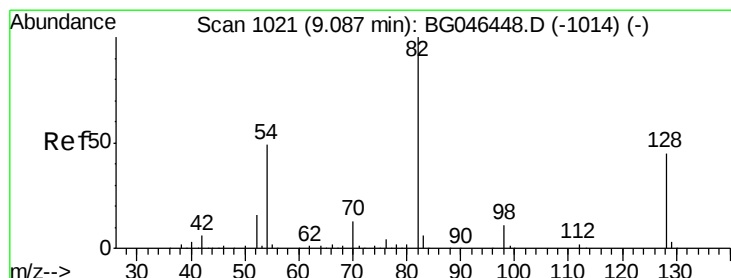
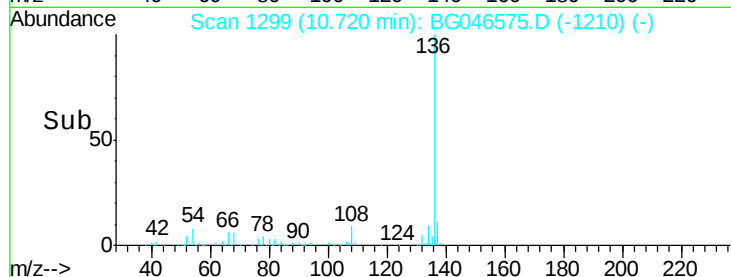
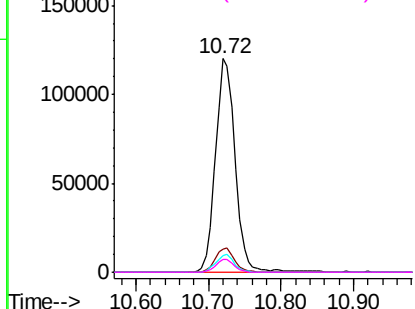
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG046575.D
Acq: 9 Sep 2020 16:36

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:136	Resp:	226245
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.8 13.2
54	8.0	6.1 9.1
68	6.3	4.8 7.2

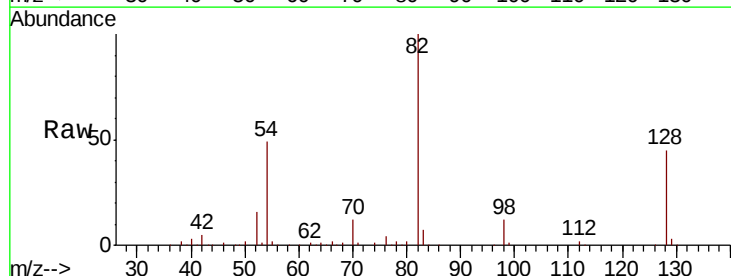


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

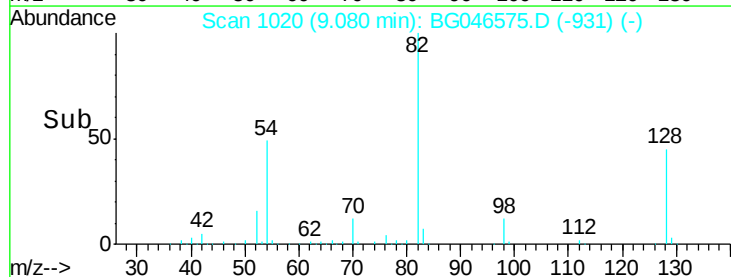
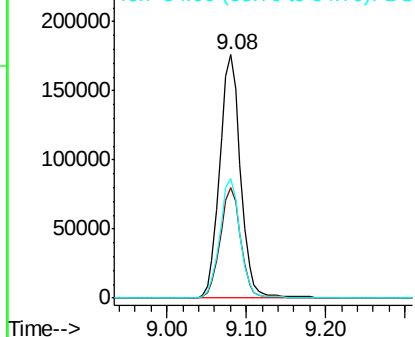


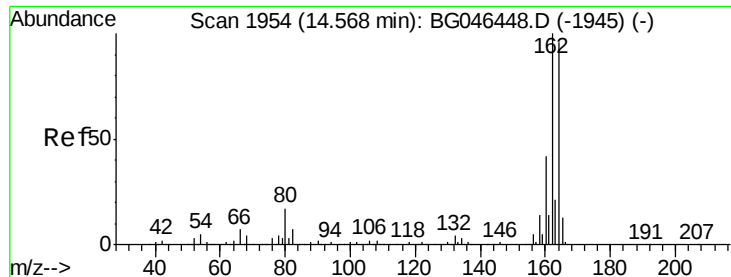
#23
Nitrobenzene-d5
Concen: 81.058 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG046575.D
Acq: 9 Sep 2020 16:36

Tgt Ion: 82	Resp:	320865
Ion	Ratio	Lower Upper
82	100	
128	45.4	35.7 53.5
54	49.3	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: 14.56 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BG046575.D

Acq: 9 Sep 2020 16:36

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

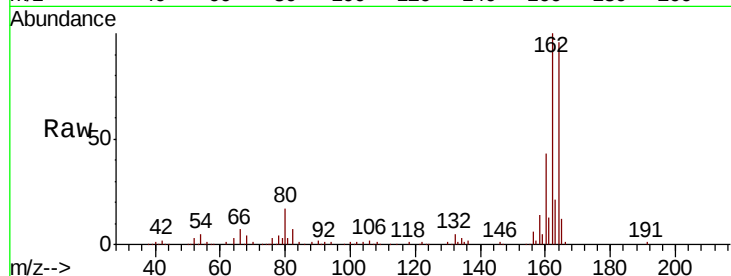
Tot Ion:164 Resp: 162164

Ion Ratio Lower Upper

164 100

162 103.9 83.3 124.9

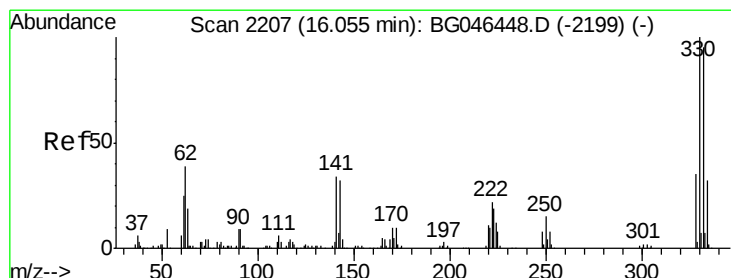
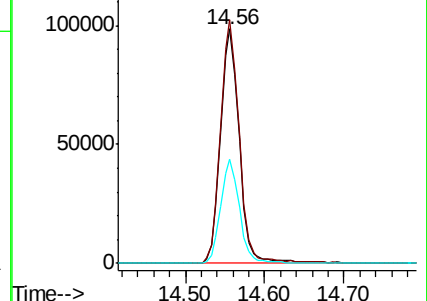
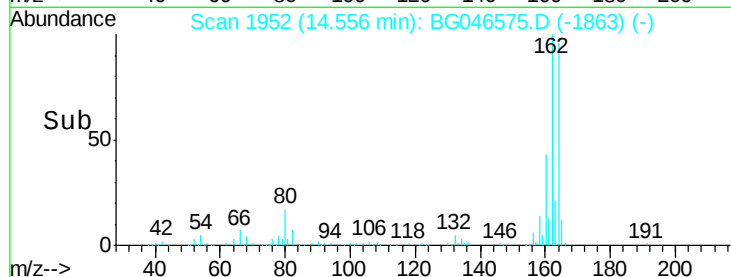
160 44.2 35.0 52.6



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: 125.202 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046575.D

Acq: 9 Sep 2020 16:36

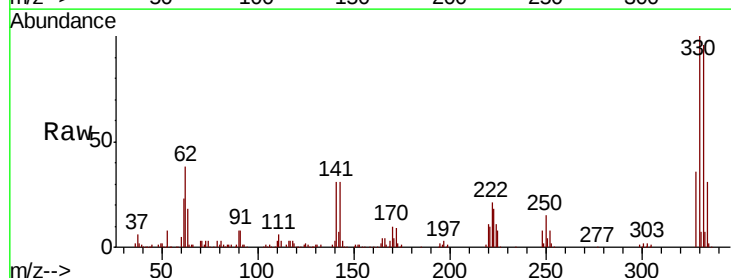
Tgt Ion:330 Resp: 275095

Ion Ratio Lower Upper

330 100

332 95.1 76.1 114.1

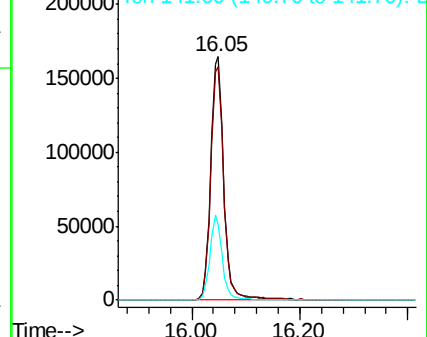
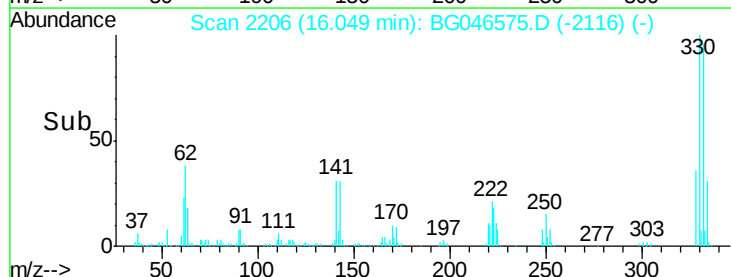
141 32.6 26.1 39.1

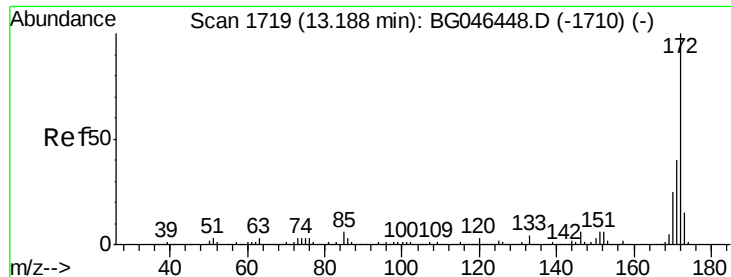


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

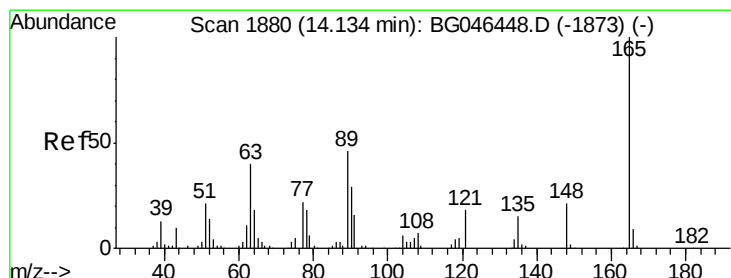
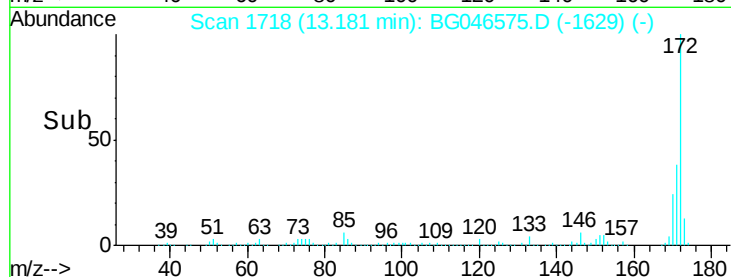
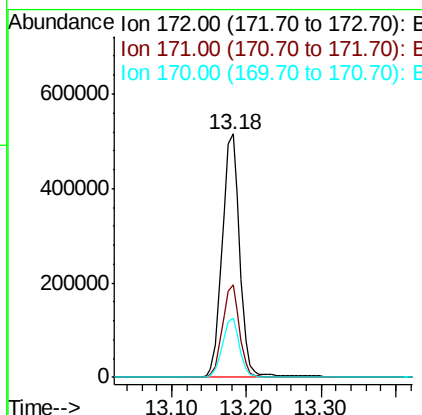
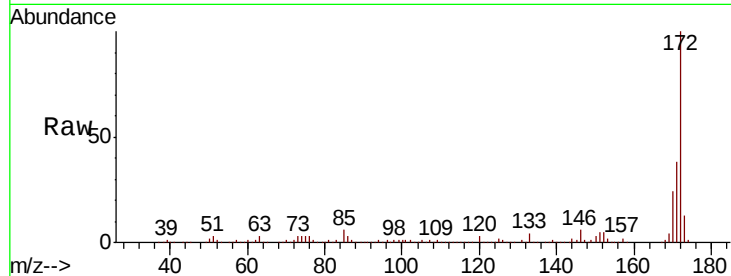




#45
2-Fluorobiphenyl
Concen: 80.282 ng
RT: 13.18 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BG046575.D
Acq: 9 Sep 2020 16:36

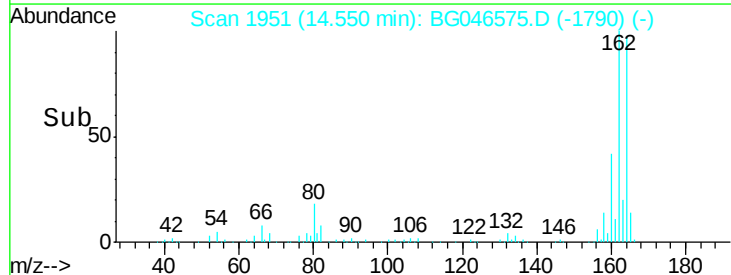
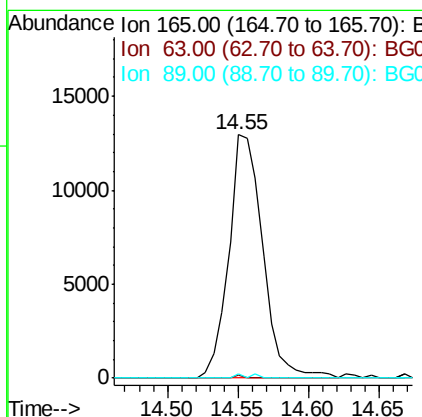
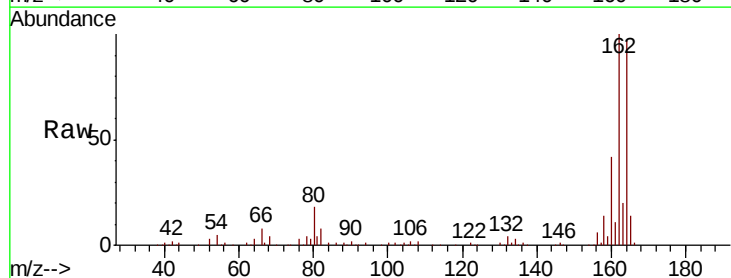
Instrument :
BNA_G
ClientSampleId :
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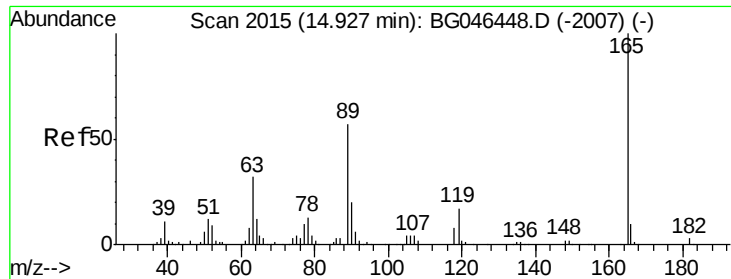
Tot Ion:172 Resp: 852826
Ion Ratio Lower Upper
172 100
171 37.9 31.8 47.6
170 24.2 20.3 30.5



#51
2,6-Dinitrotoluene
Concen: 7.841 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.42 min
Lab File: BG046575.D
Acq: 9 Sep 2020 16:36

Tgt Ion:165 Resp: 21685
Ion Ratio Lower Upper
165 100
63 1.3 34.2 51.4#
89 1.5 37.0 55.4#

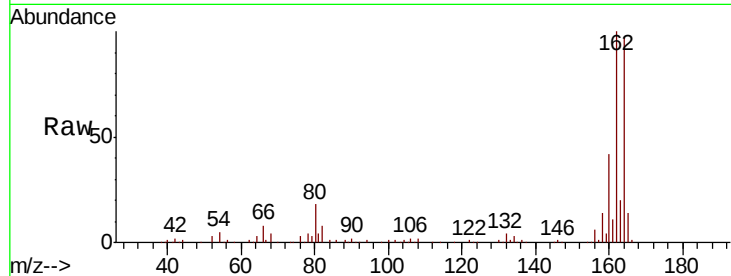




#57
 2,4-Dinitrotoluene
 Concen: 5.499 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.38 min
 Lab File: BG046575.D
 Acq: 9 Sep 2020 16:36

Instrument :
 BNA_G
 ClientSampleId :
 FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.5	45.9	68.9#
182	0.0	2.3	3.5#

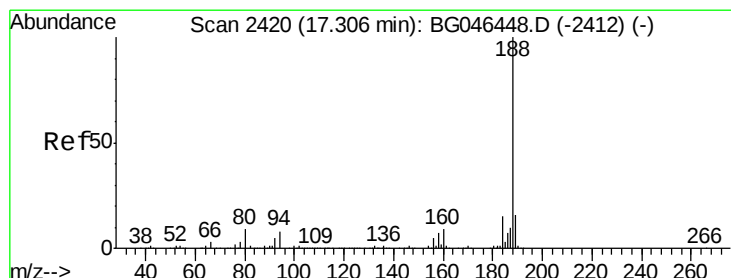
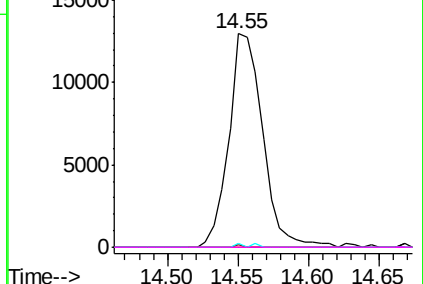
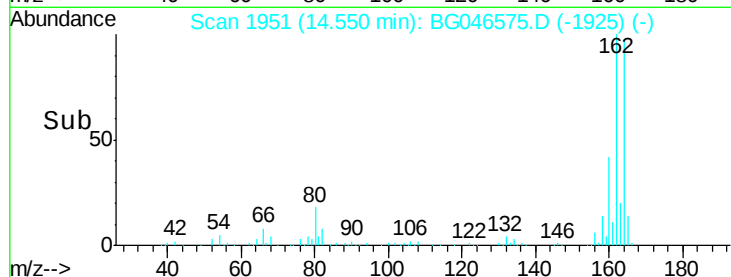


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

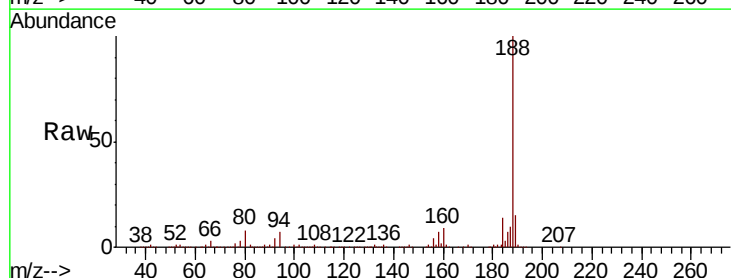
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.01 min
 Lab File: BG046575.D
 Acq: 9 Sep 2020 16:36

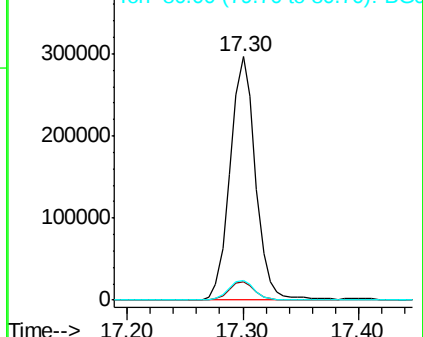
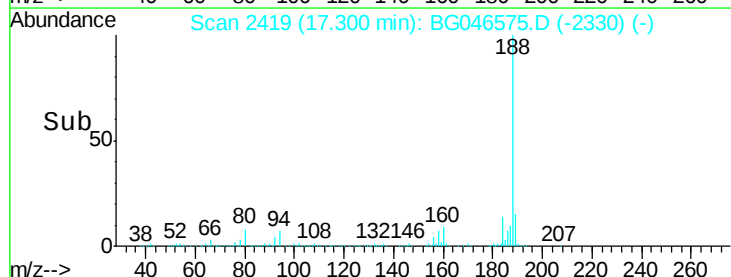
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.3	9.5
80	8.0	6.9	10.3

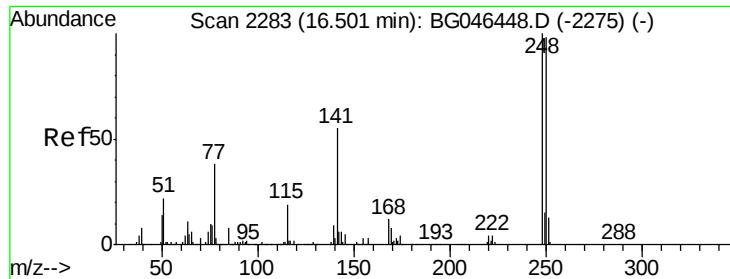


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

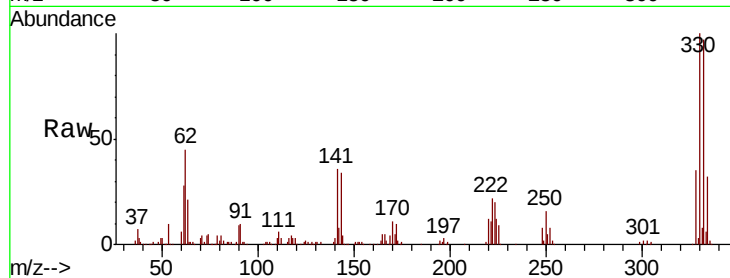




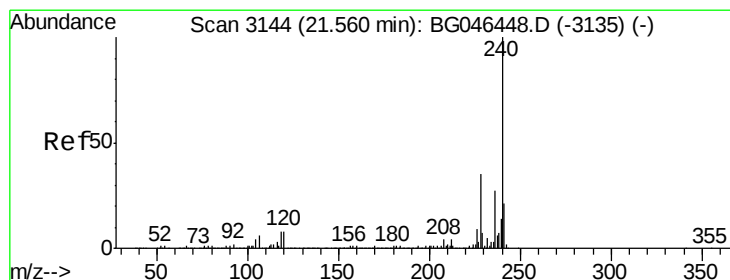
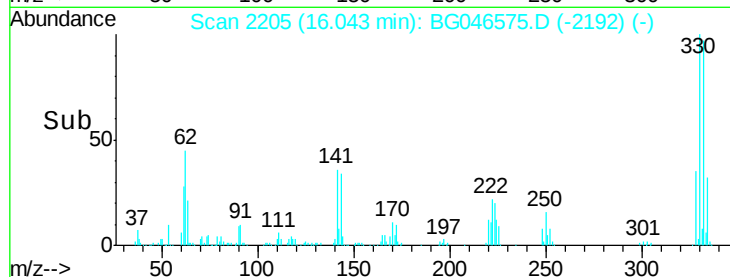
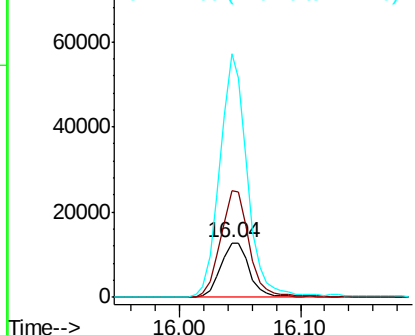
#67
4-Bromophenyl-phenylether
Concen: 4.024 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG046575.D
Acq: 9 Sep 2020 16:36

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:248 Resp: 21252
Ion Ratio Lower Upper
248 100
250 194.2 78.6 118.0#
141 444.9 43.9 65.9#

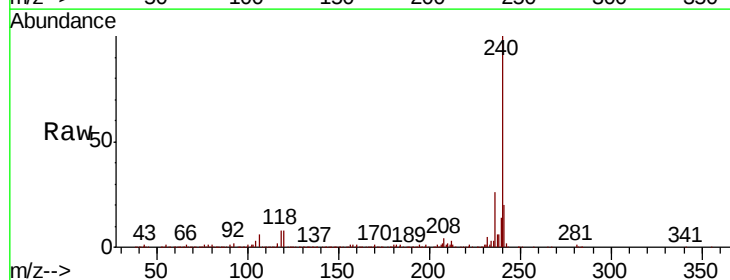


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

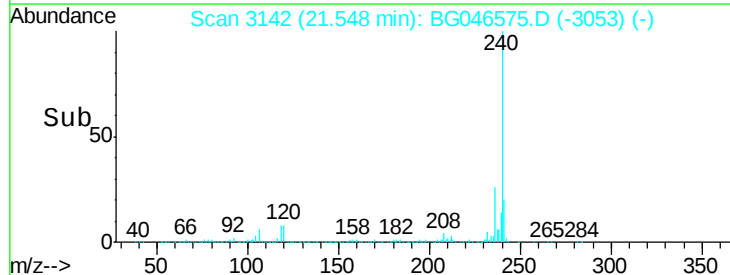
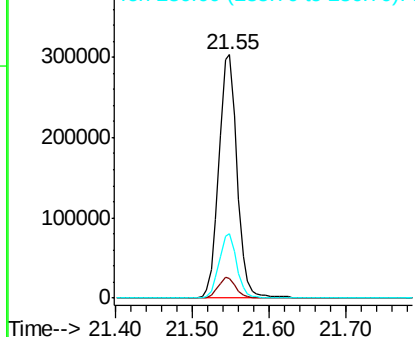


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046575.D
Acq: 9 Sep 2020 16:36

Tgt Ion:240 Resp: 497216
Ion Ratio Lower Upper
240 100
120 8.3 6.6 10.0
236 26.3 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: 2.364 ng

RT: 19.91 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046575.D

Acq: 9 Sep 2020 16:36

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

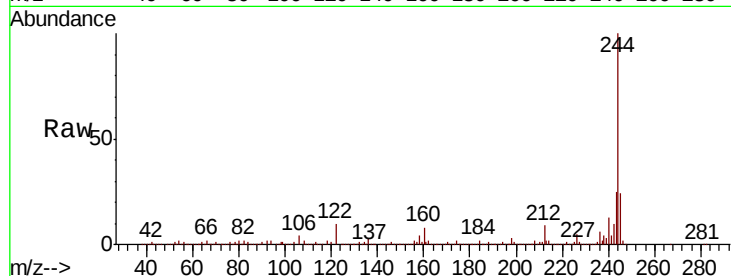
Tot Ion:184 Resp: 27311

Ion Ratio Lower Upper

184 100

185 17.5 11.8 17.8

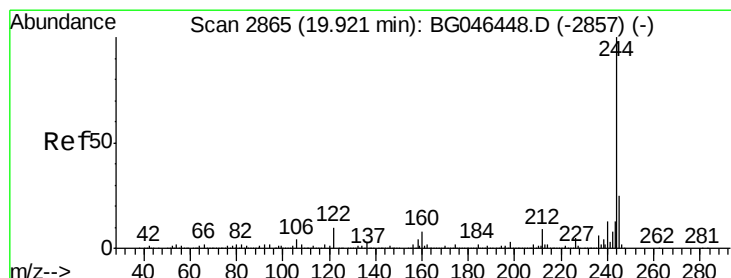
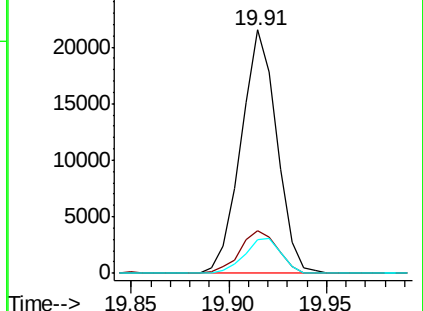
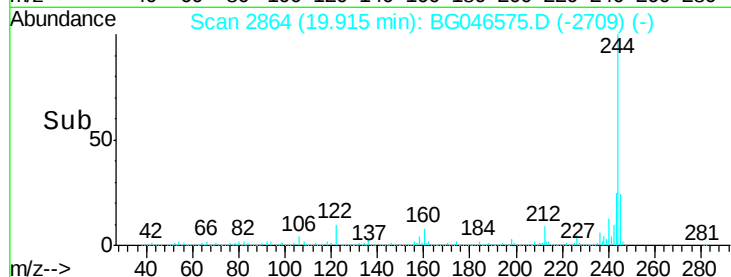
183 13.9 10.7 16.1



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: 74.775 ng

RT: 19.91 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG046575.D

Acq: 9 Sep 2020 16:36

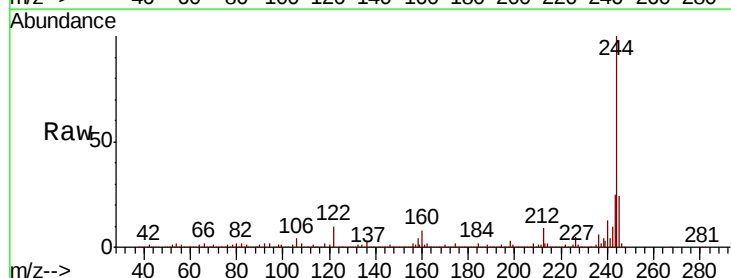
Tgt Ion:244 Resp: 1747009

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

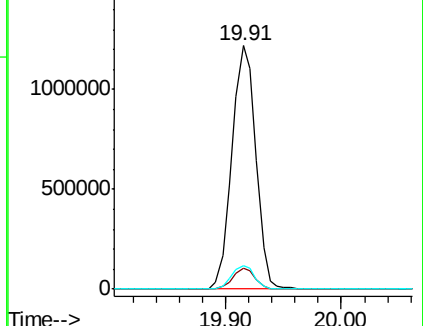
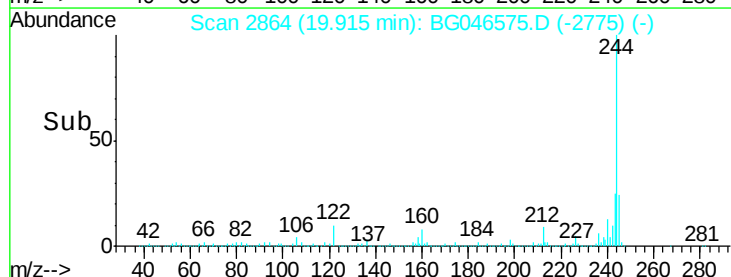
122 9.6 8.2 12.4

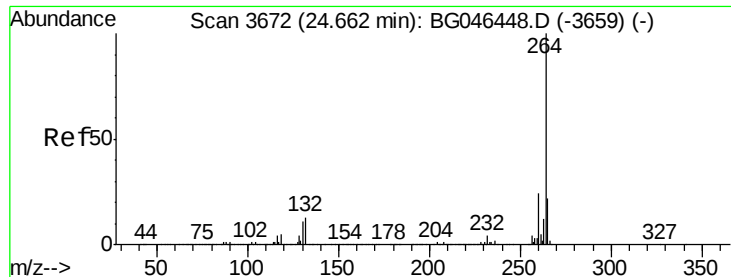


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.64 min Scan# 3669
 Delta R.T. -0.01 min
 Lab File: BG046575.D
 Acq: 9 Sep 2020 16:36

Instrument :
 BNA_G
 ClientSampleId :
 FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.1	17.9	26.9

