

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\
 Data File : BG046527.D
 Acq On : 3 Sep 2020 22:12
 Operator : CG/JU
 Sample : L3877-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Sep 04 01:24:33 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

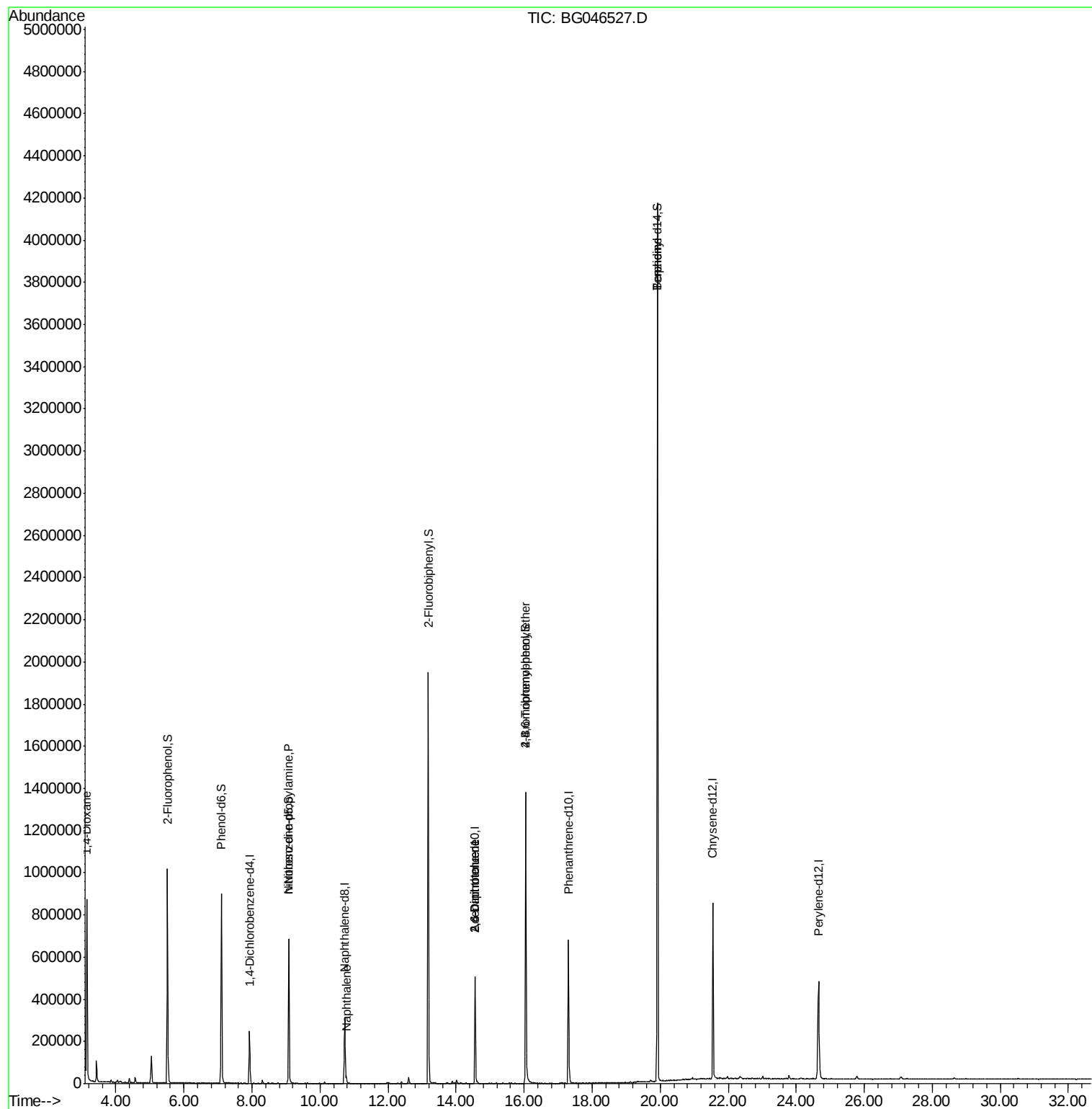
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	75806	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	293104	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	190357	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	468425	20.00	ng	0.00
76) Chrysene-d12	21.55	240	517391	20.00	ng	0.00
86) Perylene-d12	24.65	264	500390	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	472499	110.40	ng	0.00
7) Phenol-d6	7.10	99	569612	93.88	ng	0.00
23) Nitrobenzene-d5	9.08	82	444398	86.66	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	301538	116.91	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1077292	86.39	ng	0.00
79) Terphenyl-d14	19.92	244	1851411	76.15	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	8701	4.887	ng	# 1
19) n-Nitroso-di-n-propylamine	9.09	70	57712	15.902	ng	# 77
31) Naphthalene	10.77	128	31336	2.190	ng	# 96
51) 2,6-Dinitrotoluene	14.56	165	25087	7.728	ng	# 34
57) 2,4-Dinitrotoluene	14.56	165	25085	5.419	ng	# 34
67) 4-Bromophenyl-phenylether	16.05	248	22676	4.149	ng	# 1
77) Benzidine	19.92	184	29352	2.441	ng	# 94

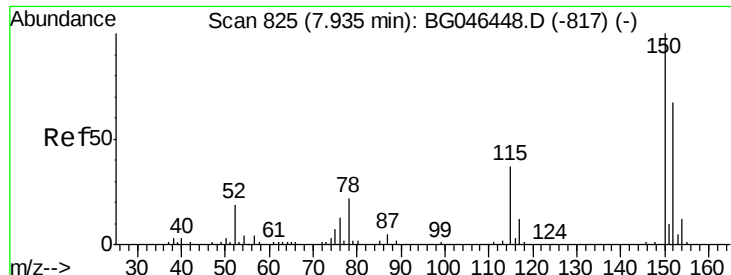
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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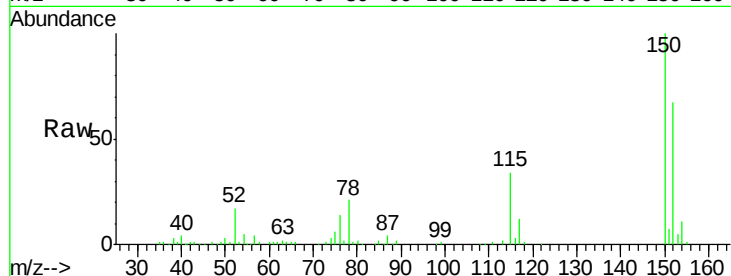


#1

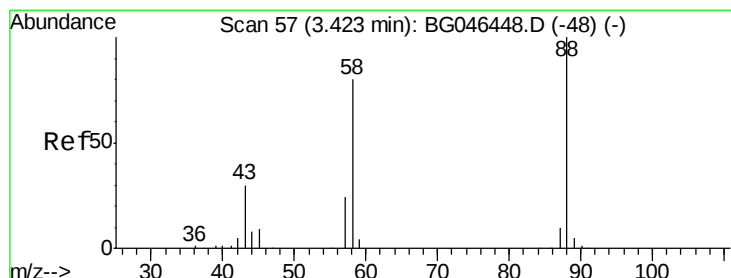
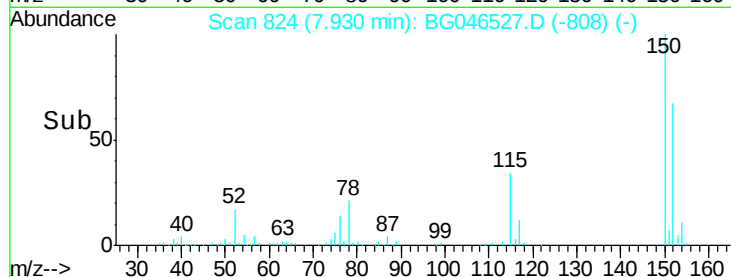
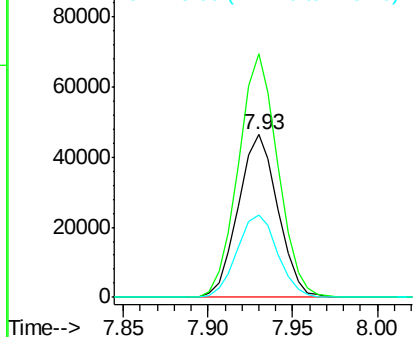
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BG046527.D
 Acq: 3 Sep 2020 22:12

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tot Ion:152 Resp: 75806
 Ion Ratio Lower Upper
 152 100
 150 149.9 119.5 179.3
 115 50.8 44.3 66.5



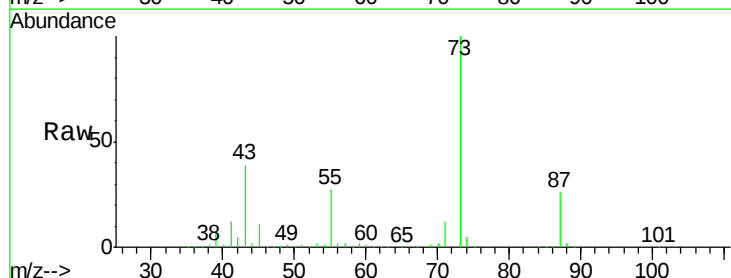
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



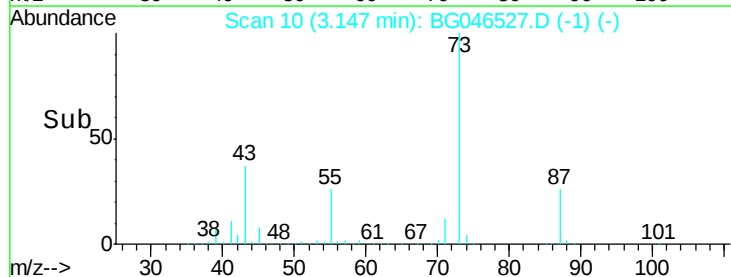
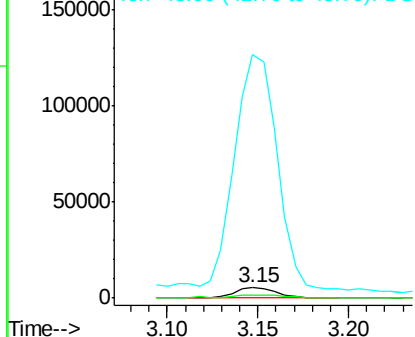
#2

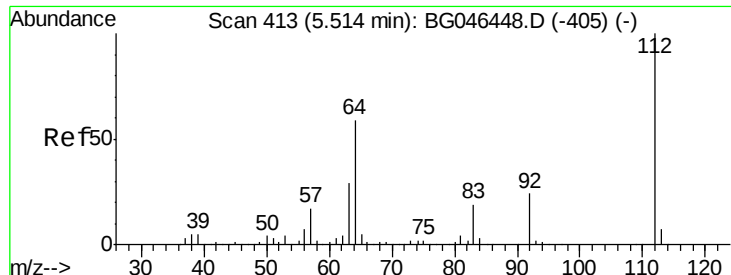
1,4-Dioxane
 Concen: 4.887 ng
 RT: 3.15 min Scan# 10
 Delta R.T. -0.28 min
 Lab File: BG046527.D
 Acq: 3 Sep 2020 22:12

Tgt Ion: 88 Resp: 8701
 Ion Ratio Lower Upper
 88 100
 58 27.9 61.4 92.2#
 43 2410.0 21.6 32.4#



Abundance Ion 88.00 (87.70 to 88.70): BGC
 Ion 58.00 (57.70 to 58.70): BGC
 Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 110.398 ng

RT: 5.51 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046527.D

Acq: 3 Sep 2020 22:12

Instrument :

BNA_G

ClientSampleId :

TP-3

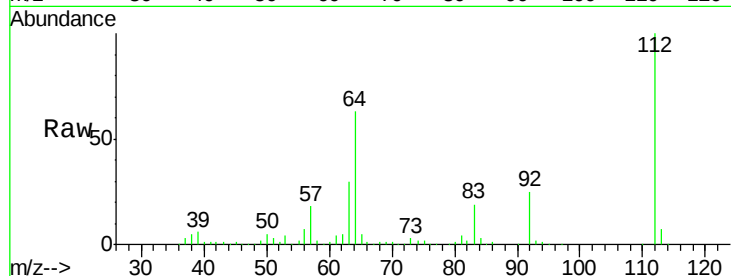
Tot Ion:112 Resp: 472499

Ion Ratio Lower Upper

112 100

64 62.8 47.0 70.6

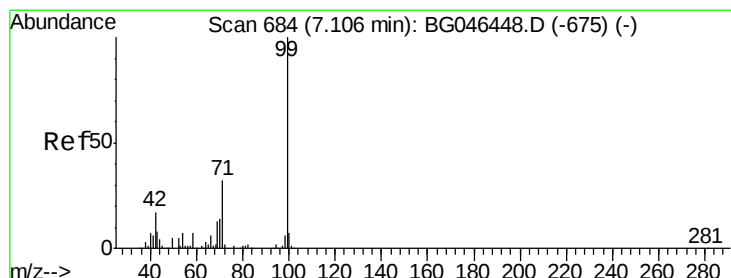
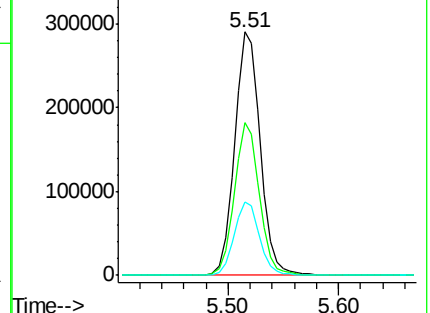
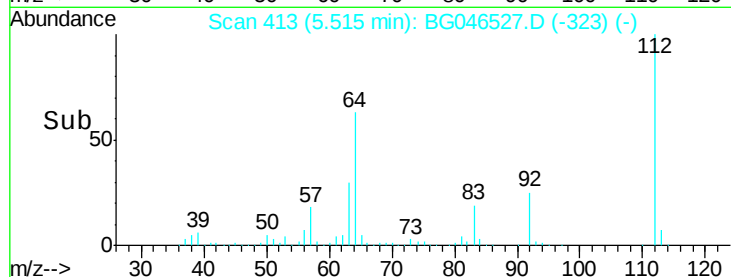
63 30.2 23.5 35.3



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: 93.882 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046527.D

Acq: 3 Sep 2020 22:12

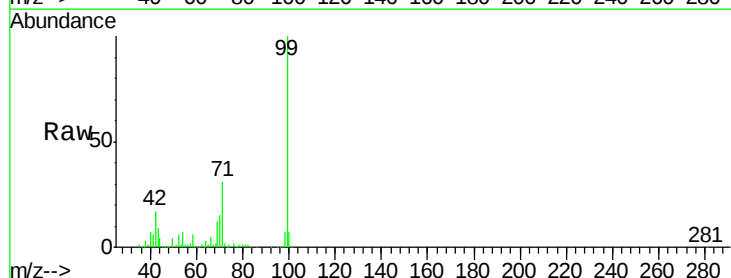
Tgt Ion: 99 Resp: 569612

Ion Ratio Lower Upper

99 100

42 17.4 13.3 19.9

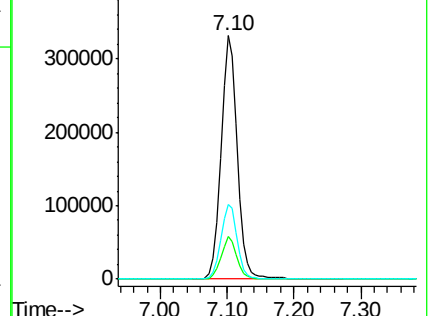
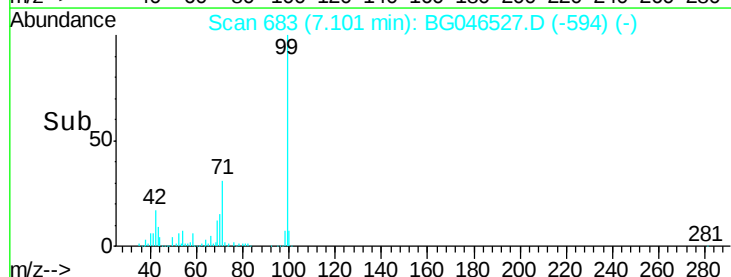
71 30.8 25.3 37.9

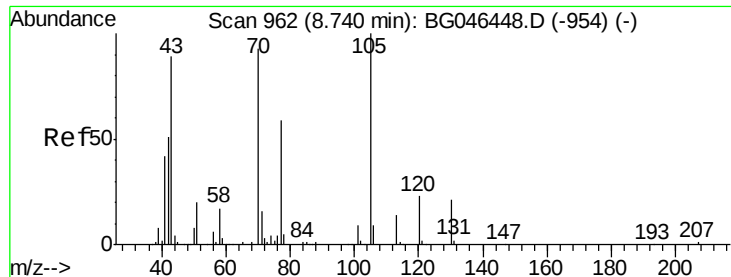


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

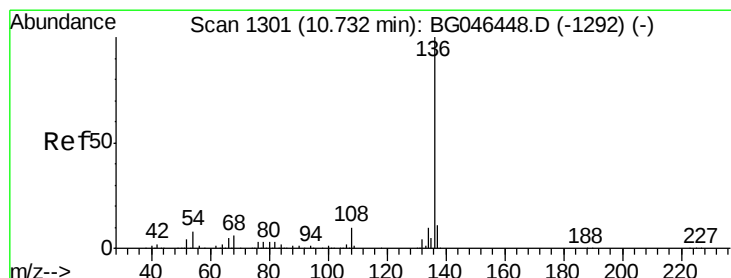
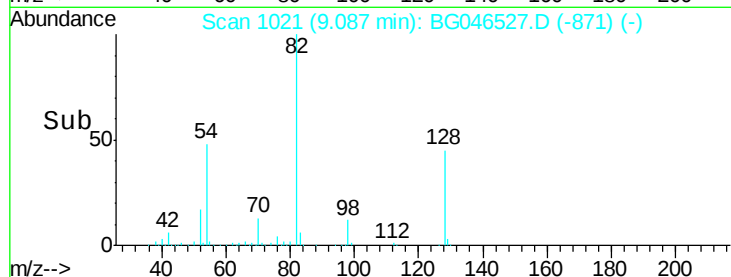
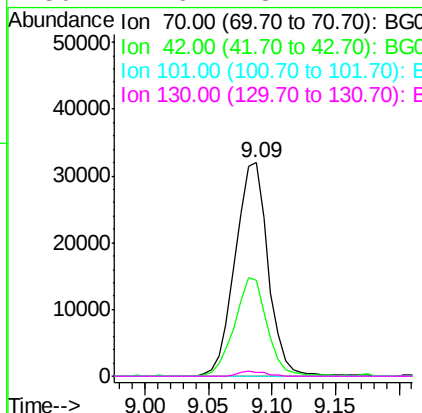
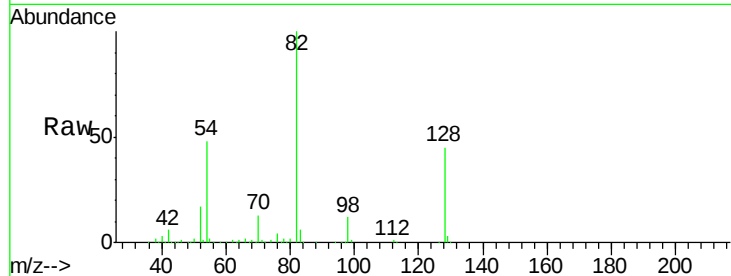




#19
n-Nitroso-di-n-propylamine
Concen: 15.902 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.35 min
Lab File: BG046527.D
Acq: 3 Sep 2020 22:12

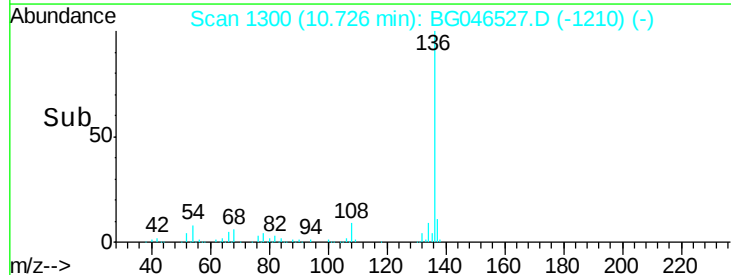
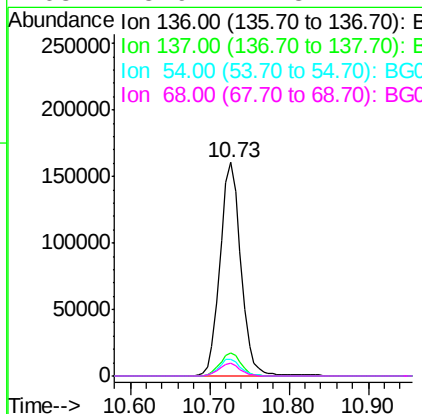
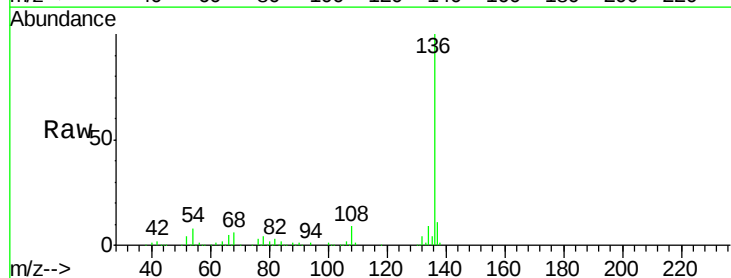
Instrument :
BNA_G
ClientSampled :
TP-3

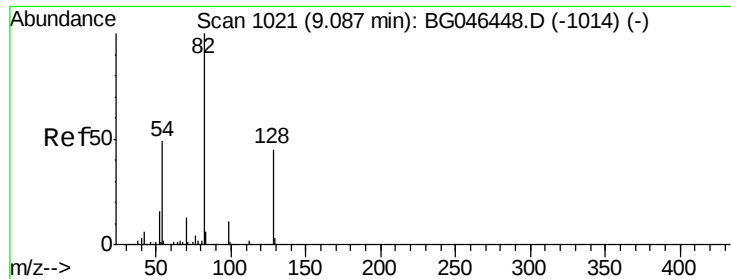
Tot Ion: 70 Resp: 57712
Ion Ratio Lower Upper
70 100
42 45.2 44.2 66.2
101 0.0 7.8 11.8#
130 1.6 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046527.D
Acq: 3 Sep 2020 22:12

Tgt Ion:136 Resp: 293104
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.9 6.1 9.1
68 5.9 4.8 7.2

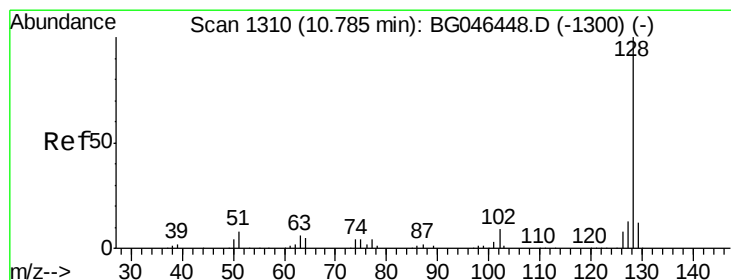
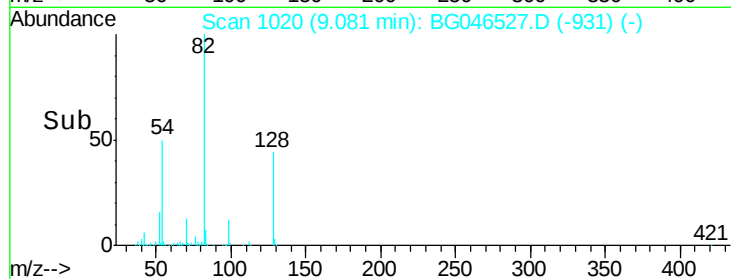
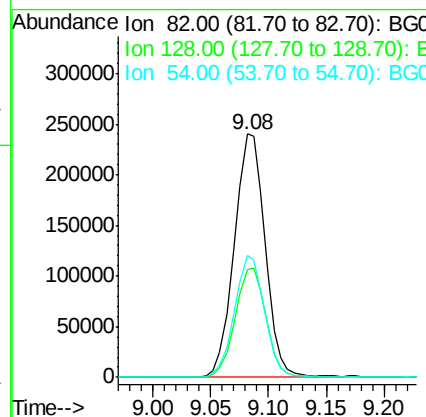
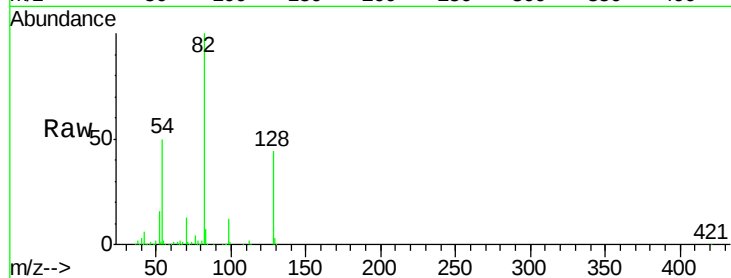




#23
Nitrobenzene-d5
Concen: 86.657 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG046527.D
Acq: 3 Sep 2020 22:12

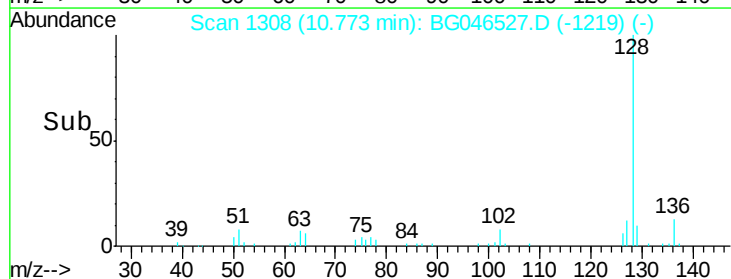
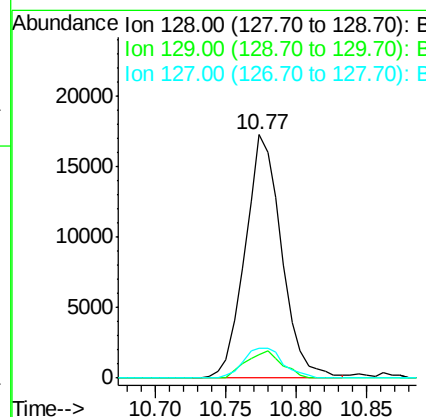
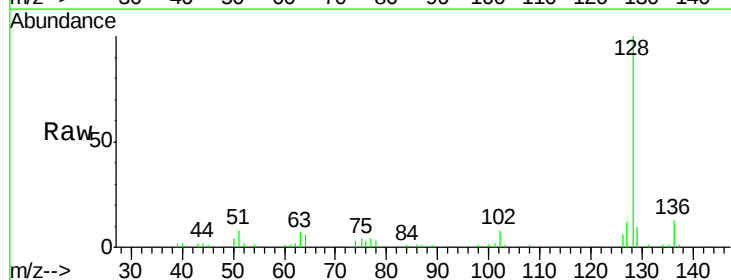
Instrument :
BNA_G
ClientSampleId :
TP-3

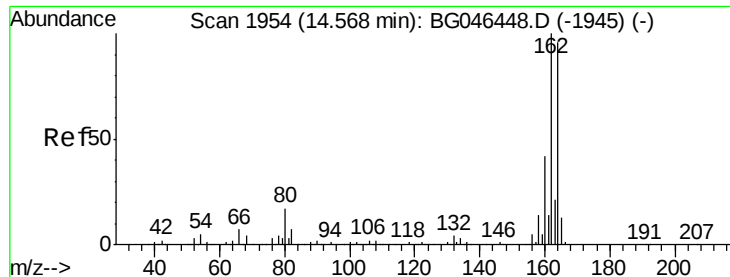
Tot Ion: 82 Resp: 444398
Ion Ratio Lower Upper
82 100
128 44.3 35.7 53.5
54 50.2 39.4 59.0



#31
Naphthalene
Concen: 2.190 ng
RT: 10.77 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BG046527.D
Acq: 3 Sep 2020 22:12

Tgt Ion: 128 Resp: 31336
Ion Ratio Lower Upper
128 100
129 9.6 9.2 13.8
127 12.5 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG046527.D

Acq: 3 Sep 2020 22:12

Instrument :

BNA_G

ClientSampleId :

TP-3

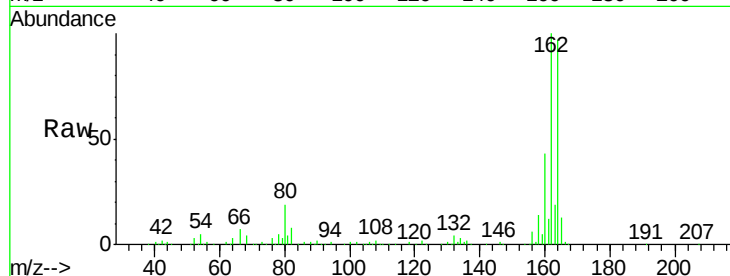
Tot Ion:164 Resp: 190357

Ion Ratio Lower Upper

164 100

162 103.5 83.3 124.9

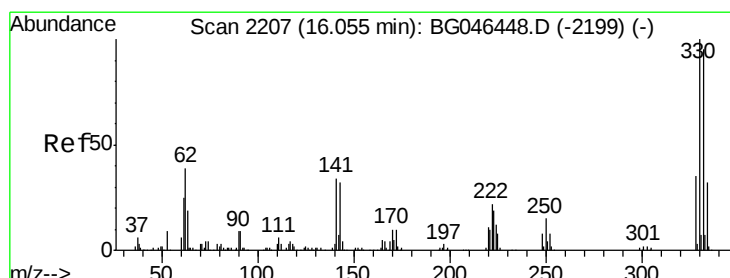
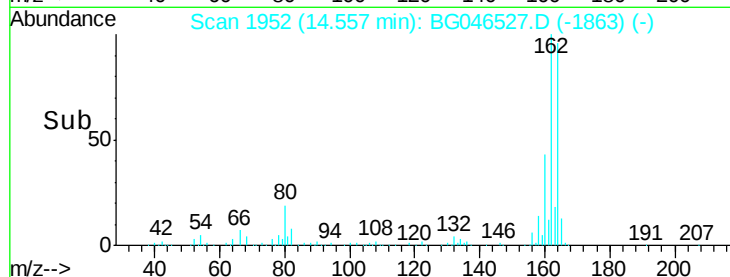
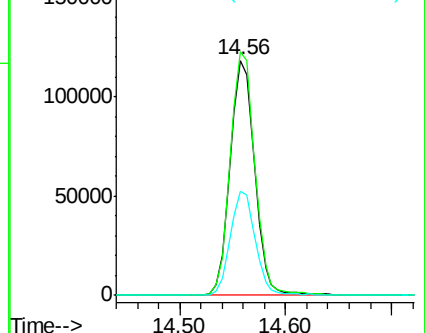
160 44.3 35.0 52.6



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: 116.911 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BG046527.D

Acq: 3 Sep 2020 22:12

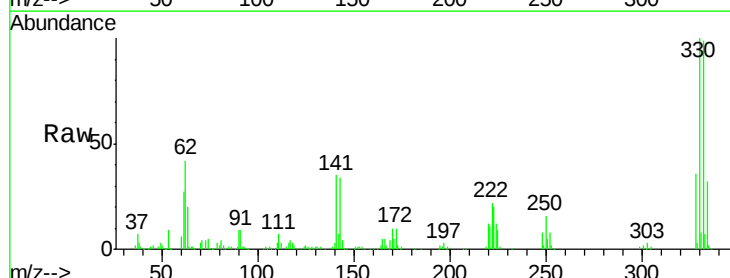
Tgt Ion:330 Resp: 301538

Ion Ratio Lower Upper

330 100

332 96.0 76.1 114.1

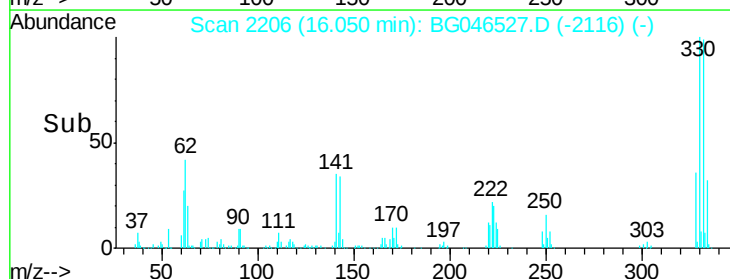
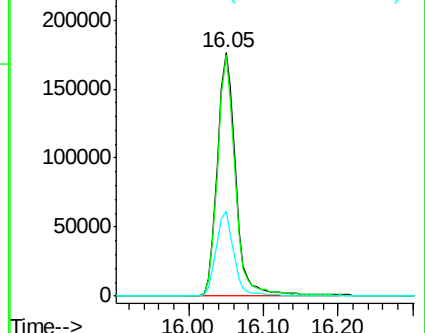
141 34.0 26.1 39.1

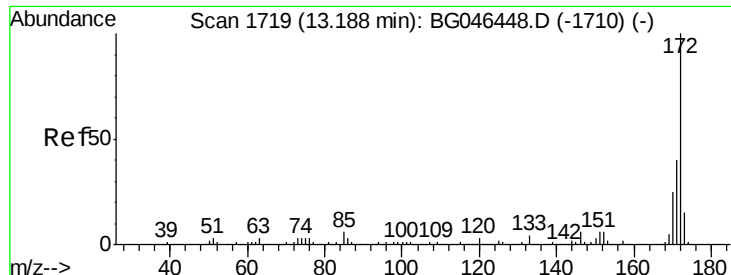


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



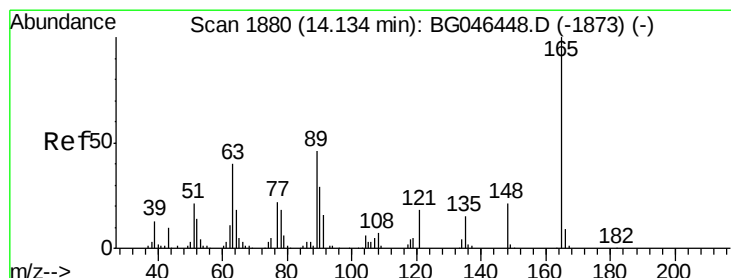
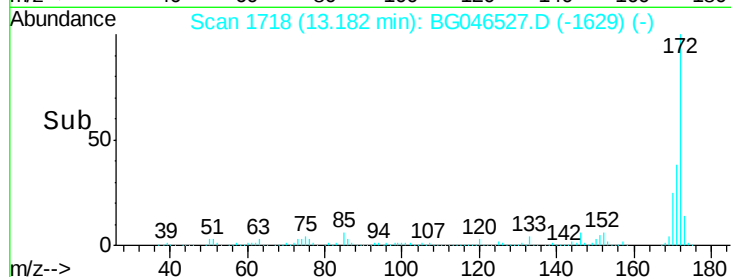
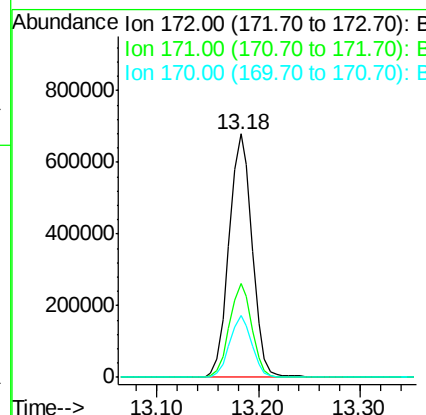
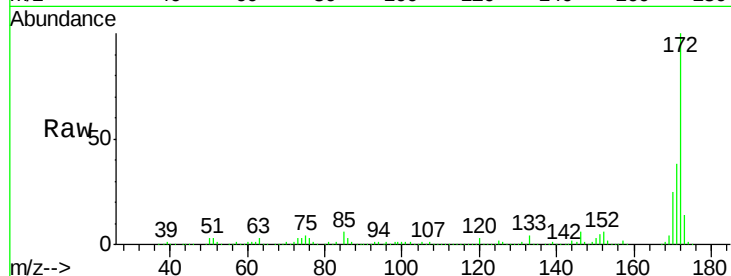


#45
 2-Fluorobiphenyl
 Concen: 86.393 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046527.D
 Acq: 3 Sep 2020 22:12

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tot Ion:172 Resp: 1077292

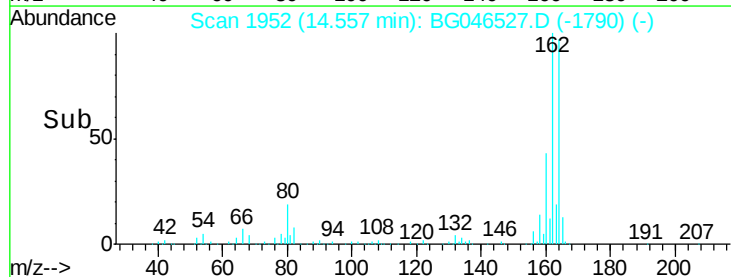
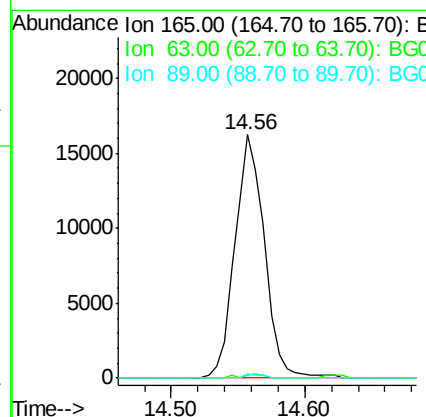
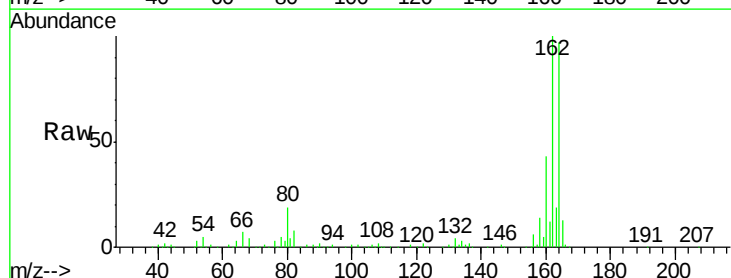
Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.8	47.6
170	25.3	20.3	30.5

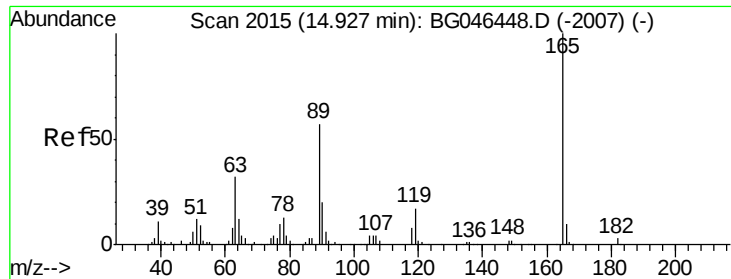


#51
 2,6-Dinitrotoluene
 Concen: 7.728 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.42 min
 Lab File: BG046527.D
 Acq: 3 Sep 2020 22:12

Tgt Ion:165 Resp: 25087

Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.2	51.4#
89	1.8	37.0	55.4#

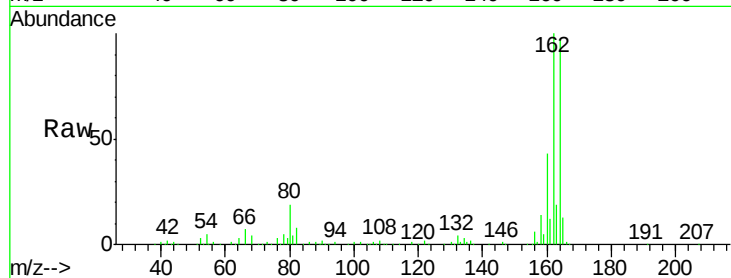




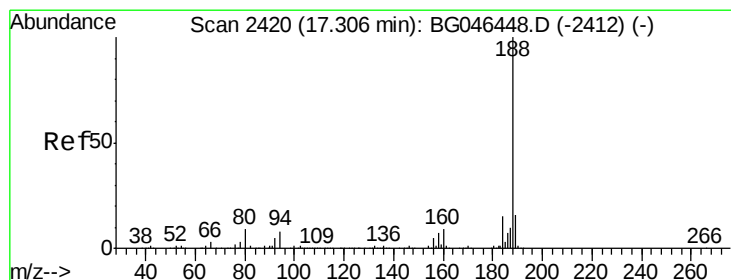
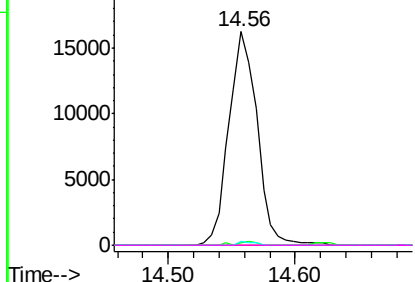
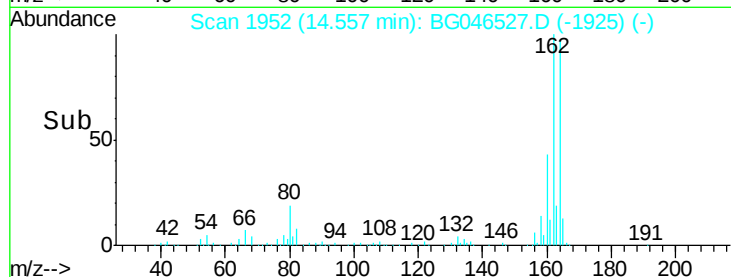
#57
 2,4-Dinitrotoluene
 Concen: 5.419 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046527.D
 Acq: 3 Sep 2020 22:12

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tot Ion:165 Resp: 25085
 Ion Ratio Lower Upper
 165 100
 63 1.1 25.4 38.0#
 89 1.8 45.9 68.9#
 182 0.0 2.3 3.5#

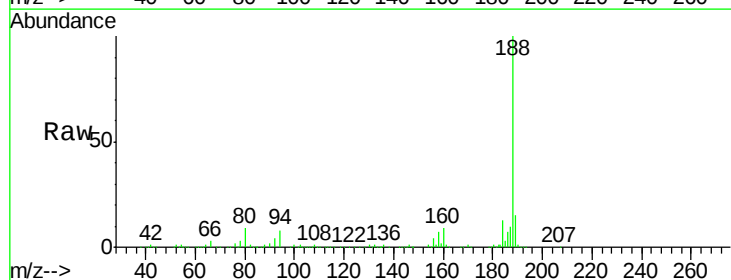


Abundance Ion 165.00 (164.70 to 165.70): E
 25000 Ion 63.00 (62.70 to 63.70): BGC
 20000 Ion 89.00 (88.70 to 89.70): BGC
 15000 Ion 182.00 (181.70 to 182.70): E

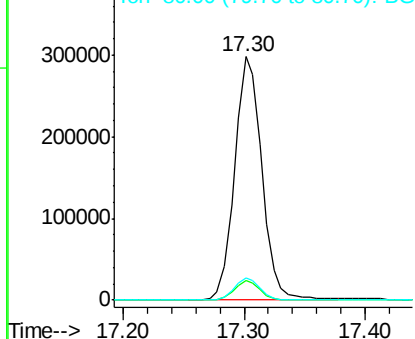
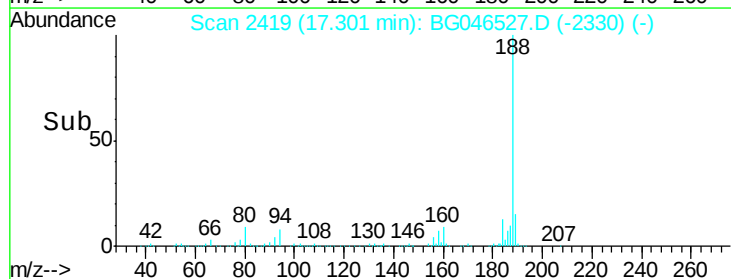


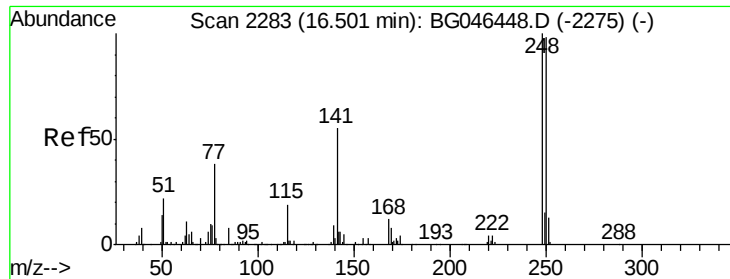
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.01 min
 Lab File: BG046527.D
 Acq: 3 Sep 2020 22:12

Tgt Ion:188 Resp: 468425
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.3 9.5
 80 9.0 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E
 400000 Ion 94.00 (93.70 to 94.70): BGC
 300000 Ion 80.00 (79.70 to 80.70): BGC

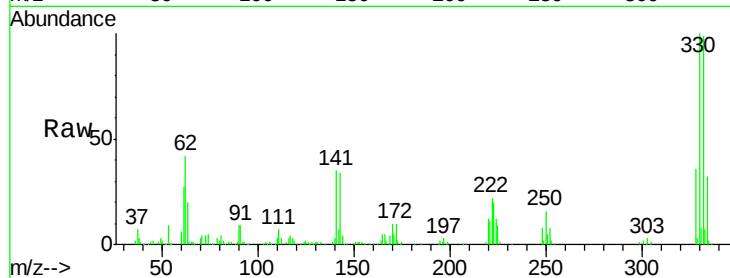




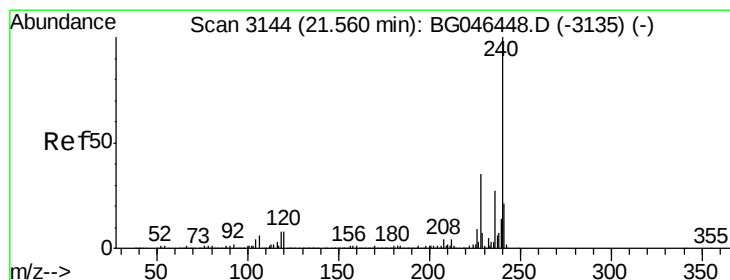
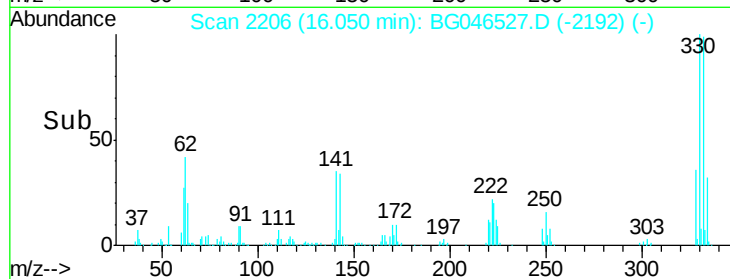
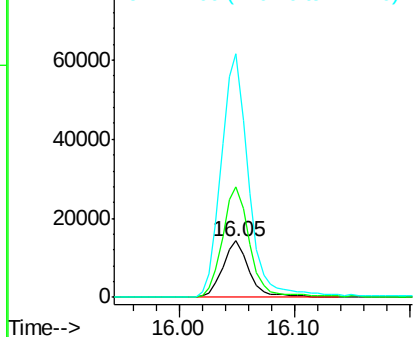
#67
 4-Bromophenyl-phenylether
 Concen: 4.149 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.45 min
 Lab File: BG046527.D
 Acq: 3 Sep 2020 22:12

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tot Ion:248 Resp: 22676
 Ion Ratio Lower Upper
 248 100
 250 197.1 78.6 118.0#
 141 432.6 43.9 65.9#

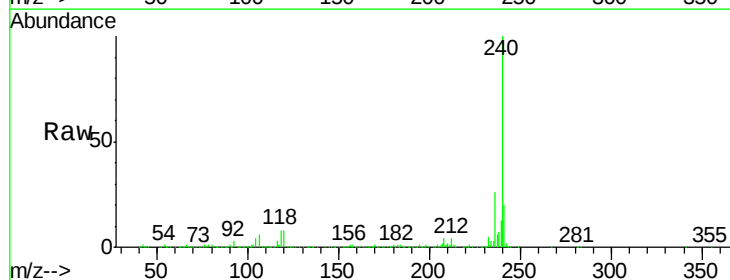


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

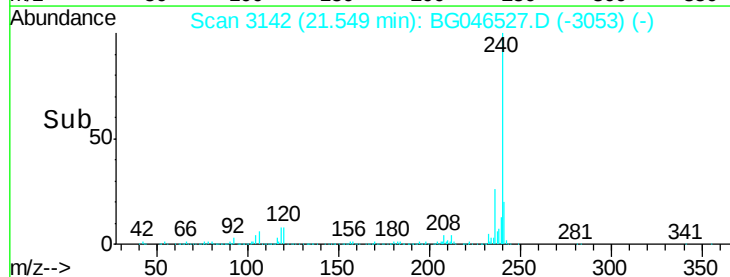
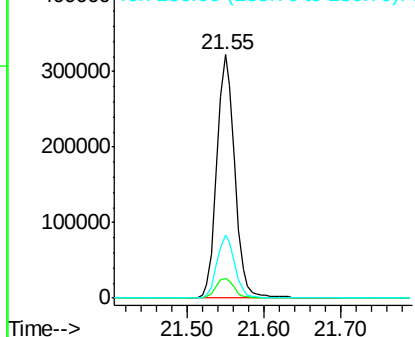


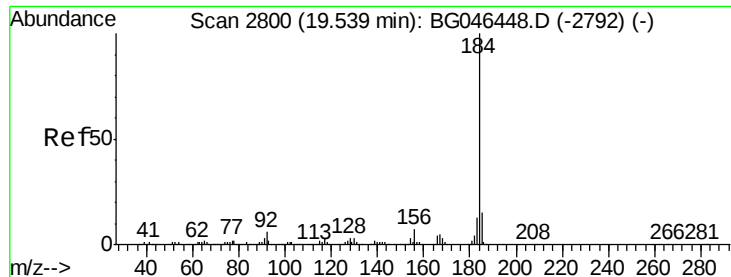
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: BG046527.D
 Acq: 3 Sep 2020 22:12

Tgt Ion:240 Resp: 517391
 Ion Ratio Lower Upper
 240 100
 120 8.1 6.6 10.0
 236 26.1 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: 2.441 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.39 min

Lab File: BG046527.D

Acq: 3 Sep 2020 22:12

Instrument :

BNA_G

ClientSampleId :

TP-3

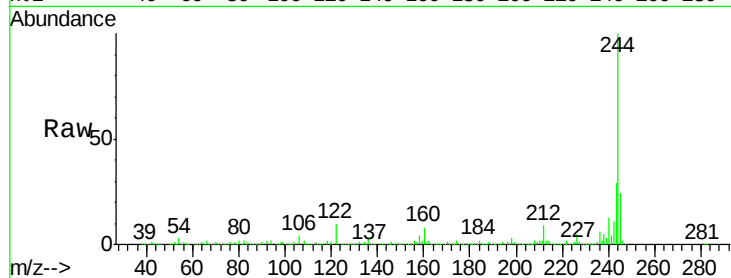
Tot Ion:184 Resp: 29352

Ion Ratio Lower Upper

184 100

185 16.5 11.8 17.8

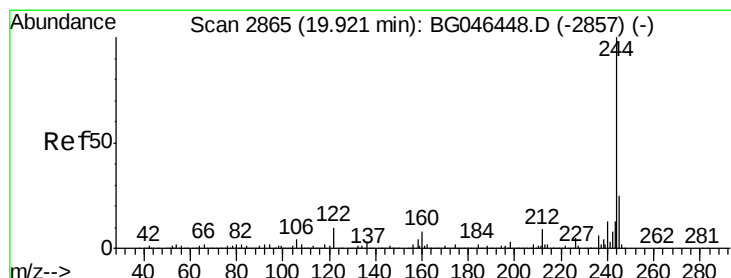
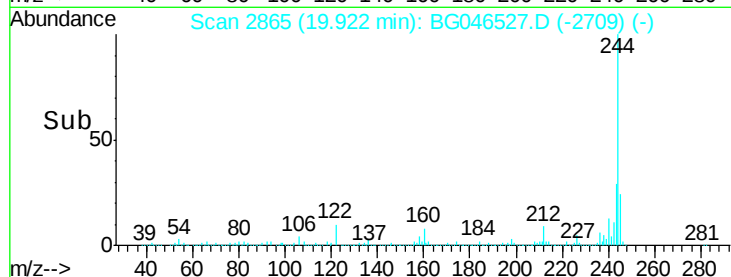
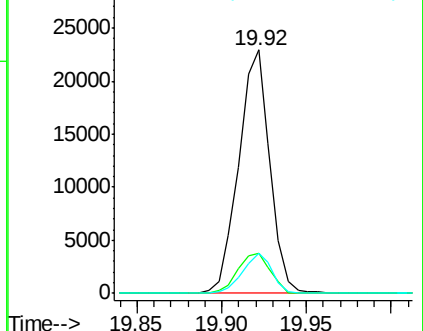
183 16.3 10.7 16.1#



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: 76.154 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046527.D

Acq: 3 Sep 2020 22:12

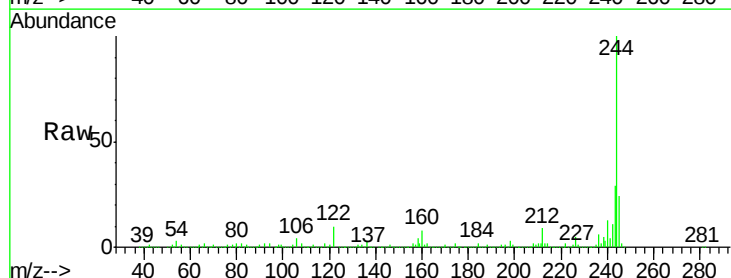
Tgt Ion:244 Resp: 1851411

Ion Ratio Lower Upper

244 100

212 8.9 6.9 10.3

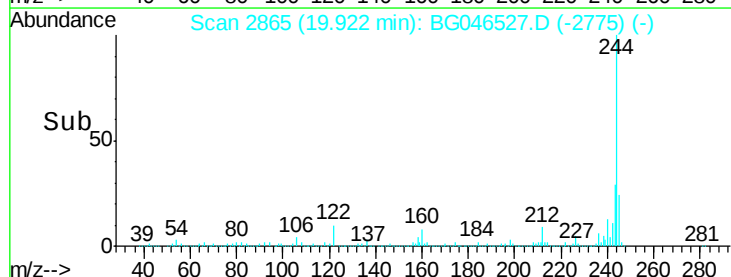
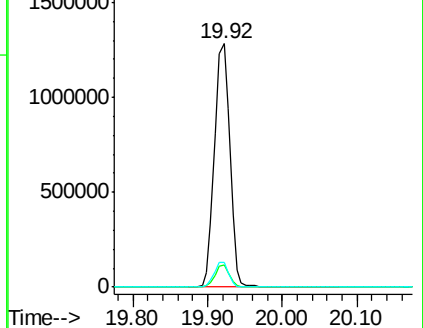
122 9.9 8.2 12.4

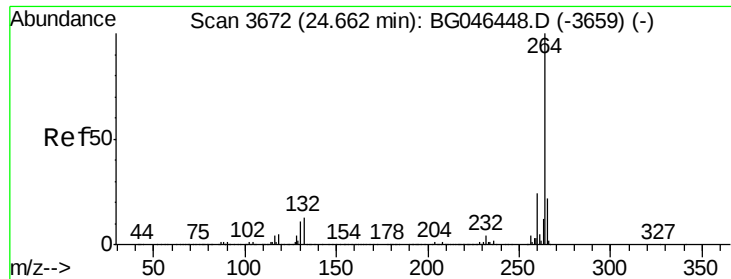


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.65 min Scan# 3670
Delta R.T. -0.00 min
Lab File: BG046527.D
Acq: 3 Sep 2020 22:12

Instrument :
BNA_G
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.9	26.9

