

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046645.D
 Acq On : 16 Sep 2020 18:01
 Operator : CG/JU
 Sample : L4021-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B14-1-3

Quant Time: Sep 16 18:40:00 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	69268	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	280998	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	189083	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	425837	20.00	ng	0.00
76) Chrysene-d12	21.54	240	428875	20.00	ng	0.00
86) Perylene-d12	24.63	264	427721	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	91537	23.41	ng	0.00
7) Phenol-d6	7.10	99	358015	64.58	ng	0.00
23) Nitrobenzene-d5	9.08	82	293332	59.66	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	7402	2.89	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	777804	62.80	ng	0.00
79) Terphenyl-d14	19.91	244	1139665	56.55	ng	0.00

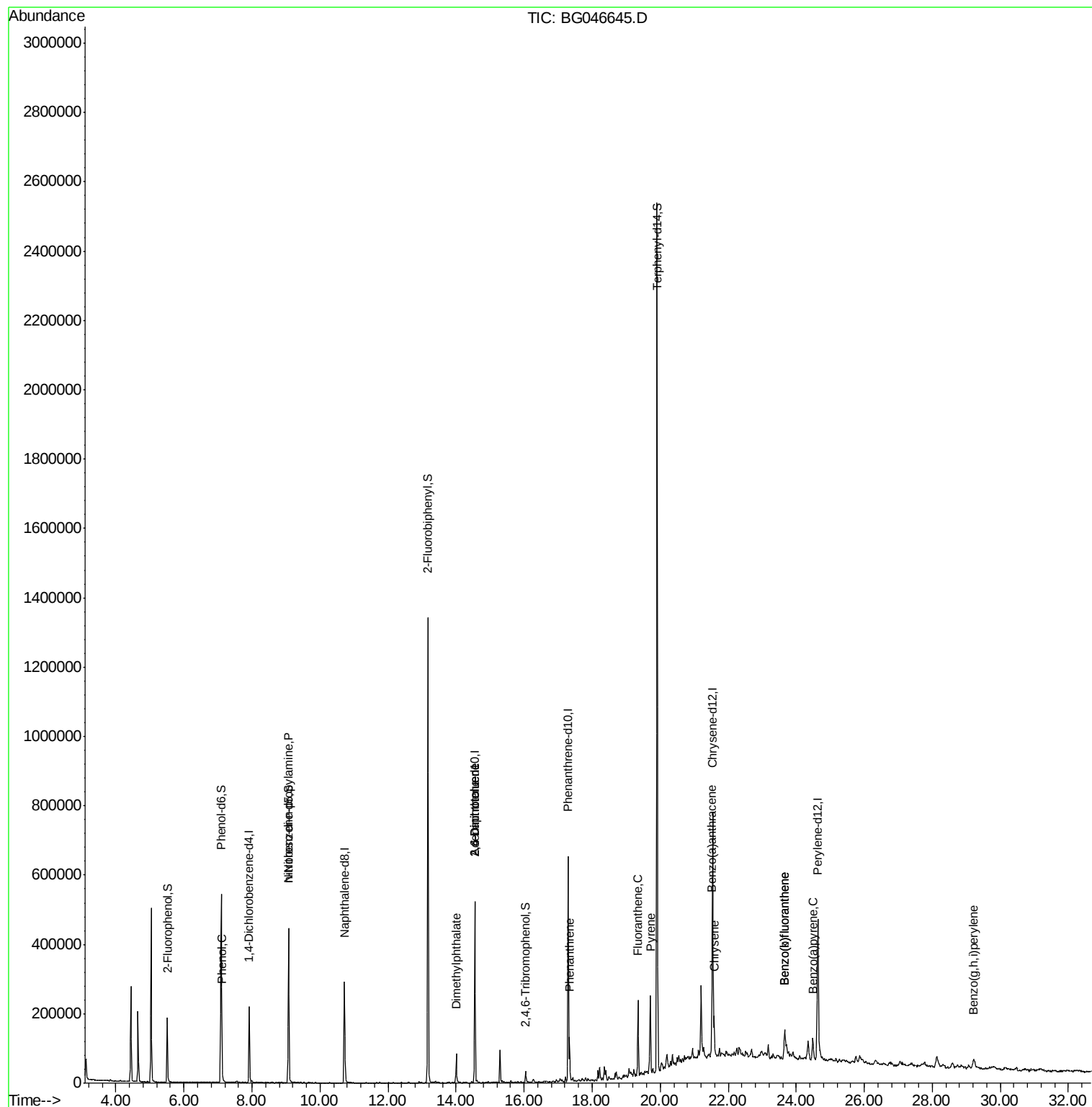
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.12	94	16788	3.288	ng	91
19) n-Nitroso-di-n-propylamine	9.08	70	36416	10.981	ng	# 76
50) Dimethylphthalate	14.00	163	73533	5.027	ng	98
51) 2,6-Dinitrotoluene	14.55	165	25601	7.939	ng	# 34
57) 2,4-Dinitrotoluene	14.55	165	25601	5.568	ng	# 32
71) Phenanthrene	17.34	178	80797	3.743	ng	96
75) Fluoranthene	19.35	202	138576	4.989	ng	97
78) Pyrene	19.71	202	152657	5.590	ng	95
81) Benzo(a)anthracene	21.52	228	77453	2.897	ng	96
83) Chrysene	21.58	228	81426	3.167	ng	99
88) Benzo(b)fluoranthene	23.66	252	98803	3.699	ng	# 97
89) Benzo(k)fluoranthene	23.66	252	98803	3.828	ng	98
90) Benzo(a)pyrene	24.49	252	69447	2.786	ng	95
92) Benzo(a,h,i)perylene	29.22	276	52302	2.113	ng	98

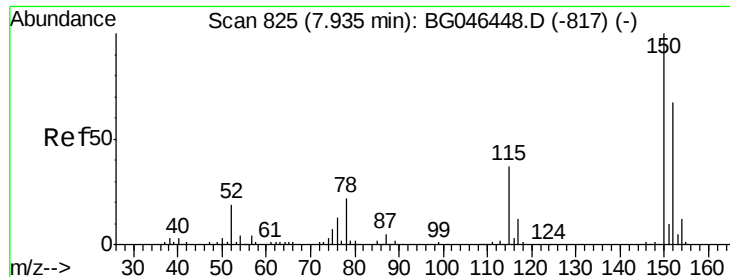
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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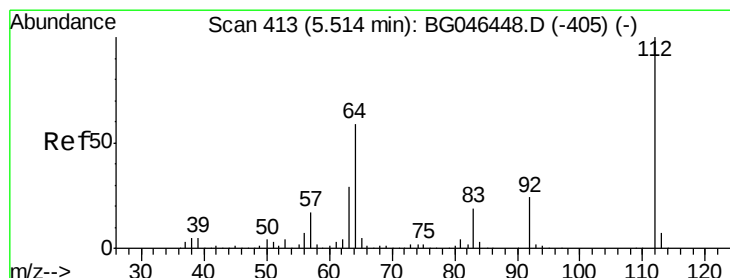
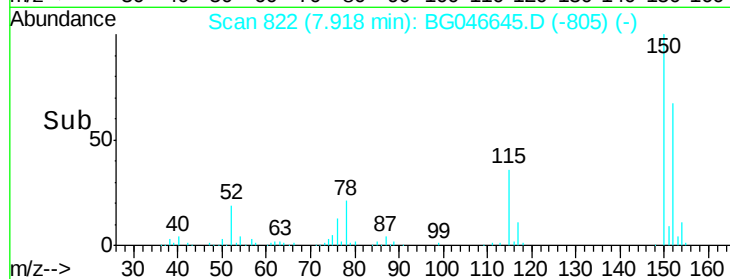
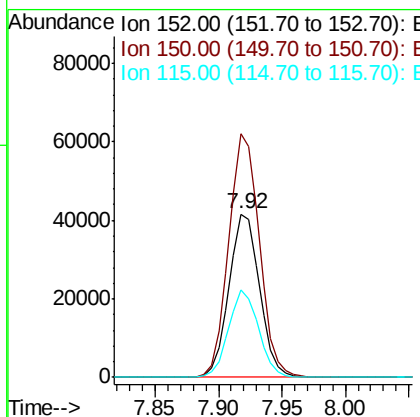
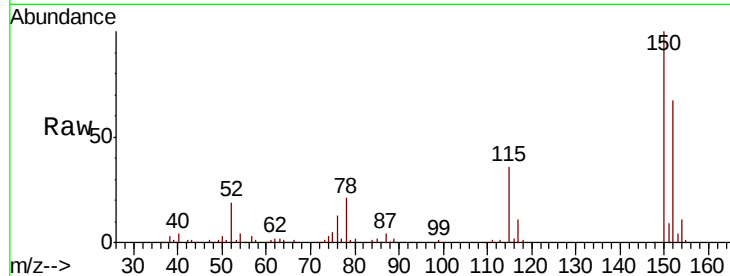




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BG046645.D
 Acq: 16 Sep 2020 18:01

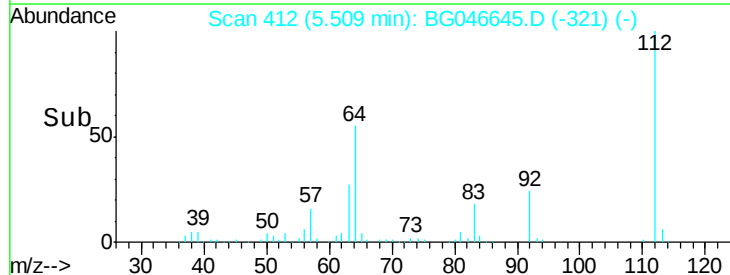
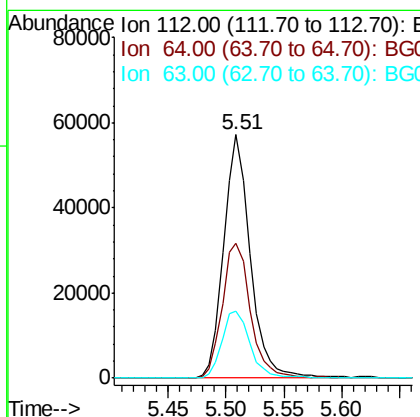
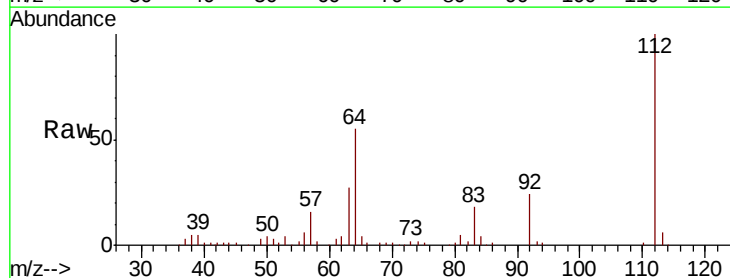
Instrument :
 BNA_G
 ClientSampleId :
 B14-1-3

Tot Ion:152 Resp: 69268
 Ion Ratio Lower Upper
 152 100
 150 148.9 125.0 187.6
 115 53.6 41.8 62.6



#5
 2-Fluorophenol
 Concen: 23.406 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BG046645.D
 Acq: 16 Sep 2020 18:01

Tgt Ion:112 Resp: 91537
 Ion Ratio Lower Upper
 112 100
 64 55.4 46.7 70.1
 63 27.3 22.8 34.2





#7

Phenol-d6

Concen: 64.577 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046645.D

Acq: 16 Sep 2020 18:01

Instrument :

BNA_G

ClientSampled :

B14-1-3

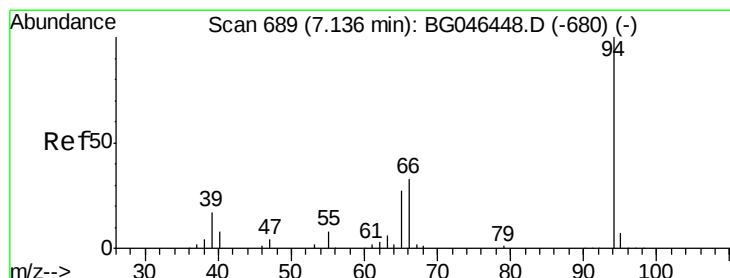
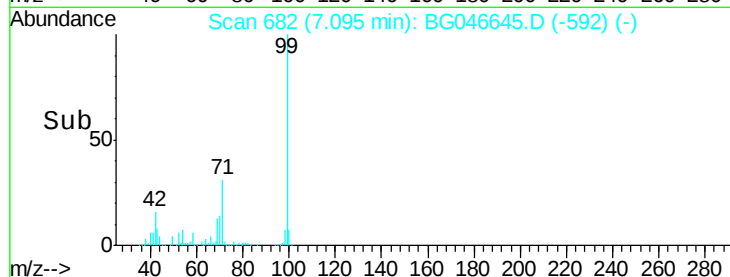
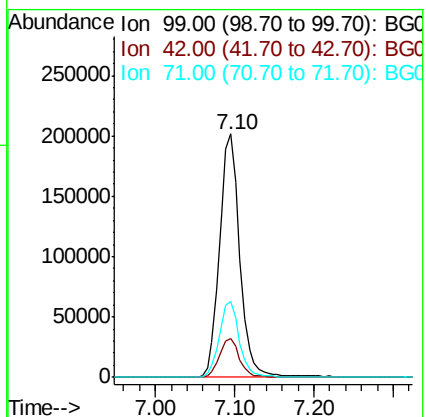
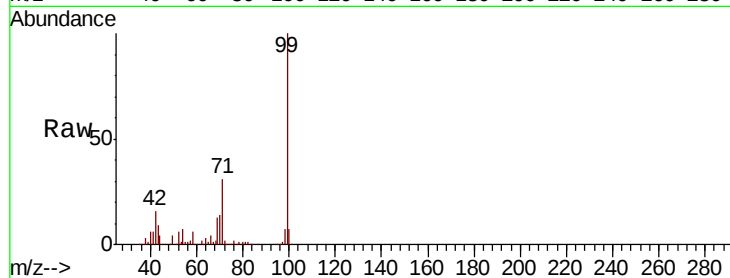
Tot Ion: 99 Resp: 358015

Ion Ratio Lower Upper

99 100

42 15.8 12.8 19.2

71 31.1 24.6 36.8



#10

Phenol

Concen: 3.288 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG046645.D

Acq: 16 Sep 2020 18:01

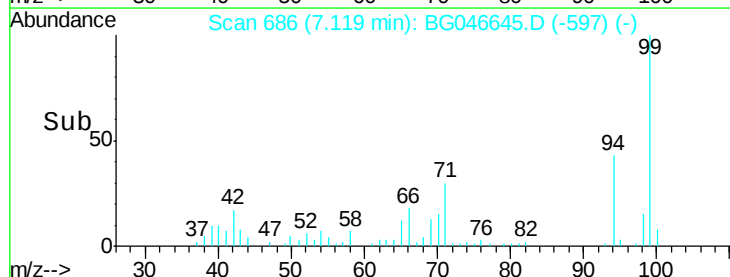
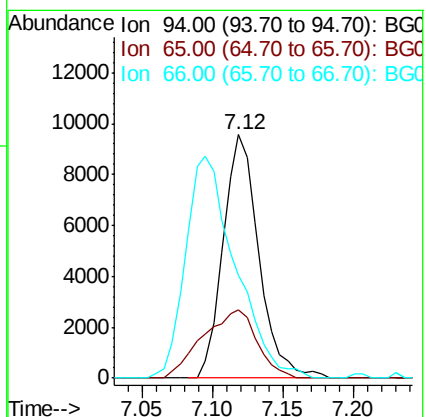
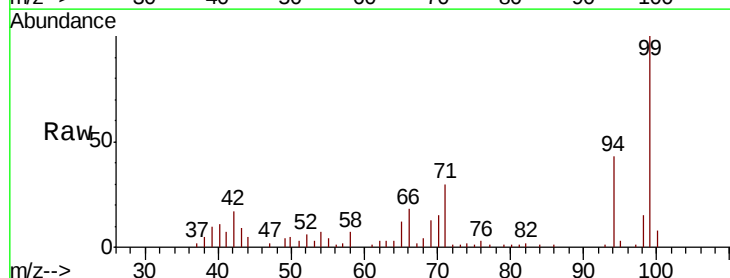
Tgt Ion: 94 Resp: 16788

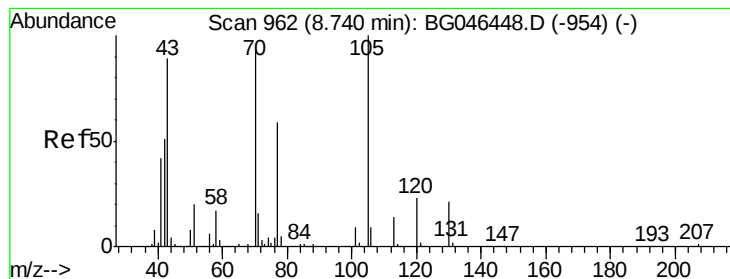
Ion Ratio Lower Upper

94 100

65 28.0 6.6 46.6

66 42.1 13.9 53.9





#19

n-Nitroso-di-n-propylamine

Concen: 10.981 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046645.D

Acq: 16 Sep 2020 18:01

Instrument :

BNA_G

ClientSampleId :

B14-1-3

Tot Ion: 70 Resp: 36416

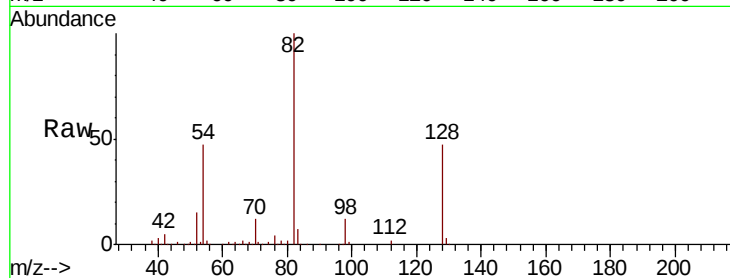
Ion Ratio Lower Upper

70 100

42 44.4 45.6 68.4#

101 0.0 8.4 12.6#

130 2.4 17.8 26.8#

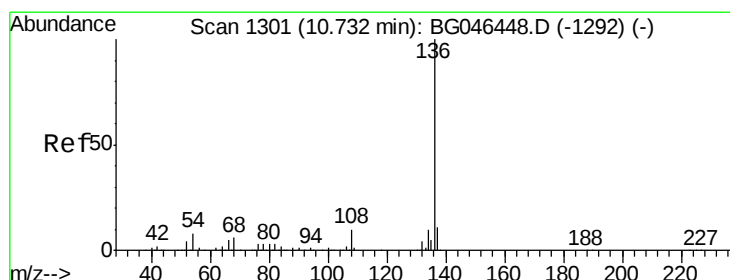
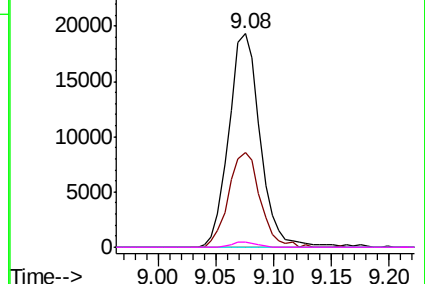
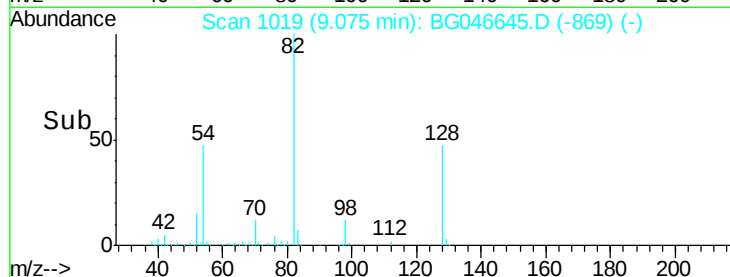


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG046645.D

Acq: 16 Sep 2020 18:01

Tgt Ion: 136 Resp: 280998

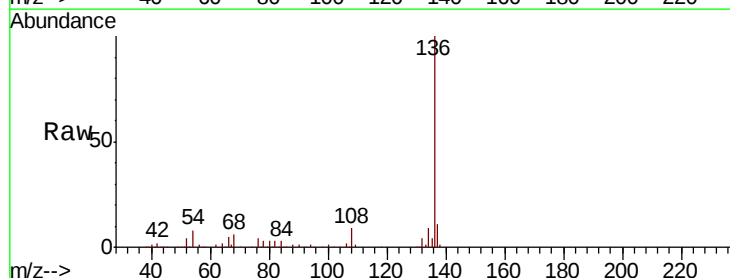
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.9 6.2 9.4

68 5.9 5.0 7.4

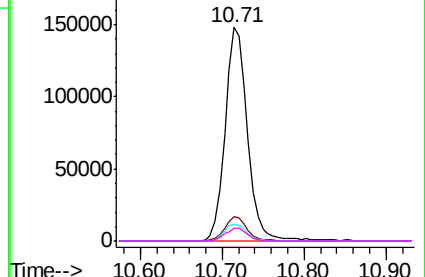
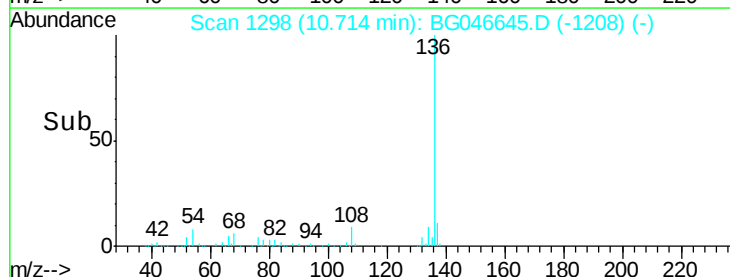


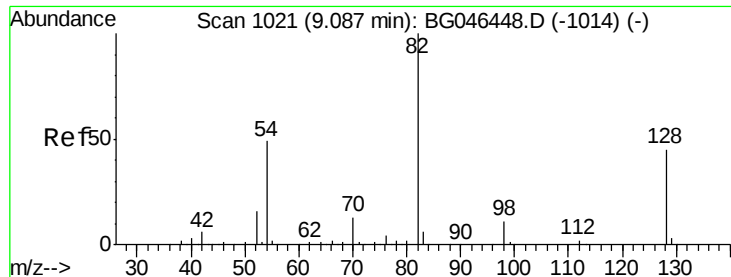
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

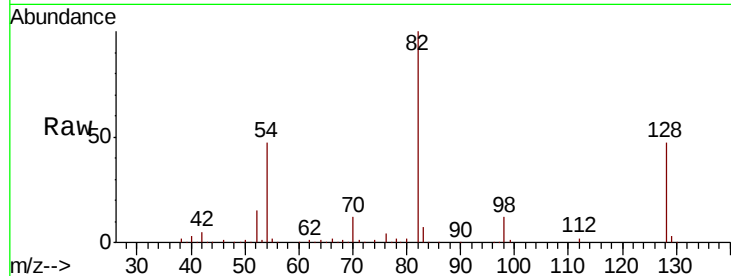




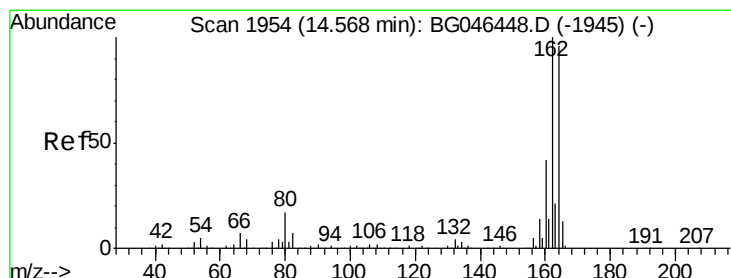
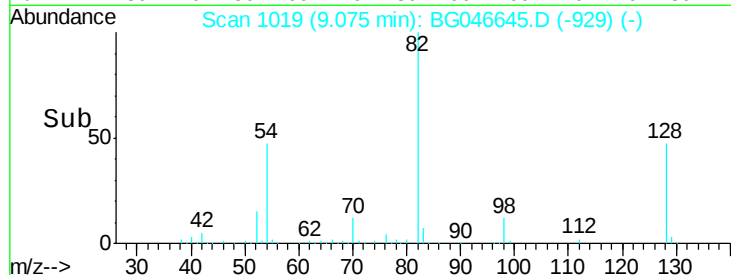
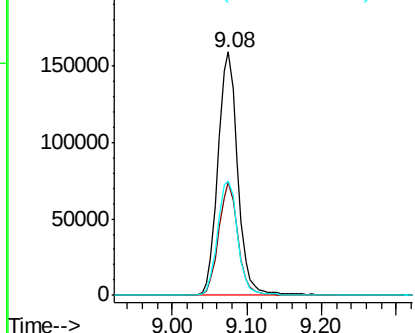
#23
Nitrobenzene-d5
Concen: 59.664 ng
RT: 9.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

Instrument :
BNA_G
ClientSampleId :
B14-1-3

Tot Ion: 82 Resp: 293332
Ion Ratio Lower Upper
82 100
128 46.5 37.0 55.6
54 46.8 39.0 58.4

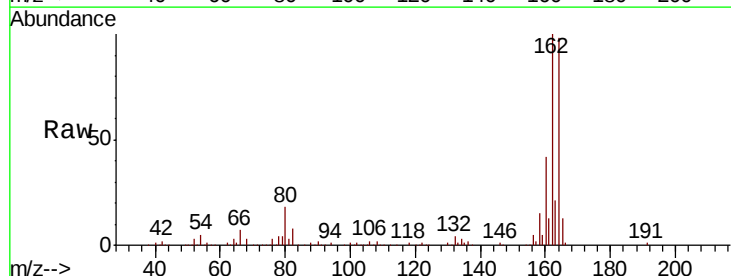


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

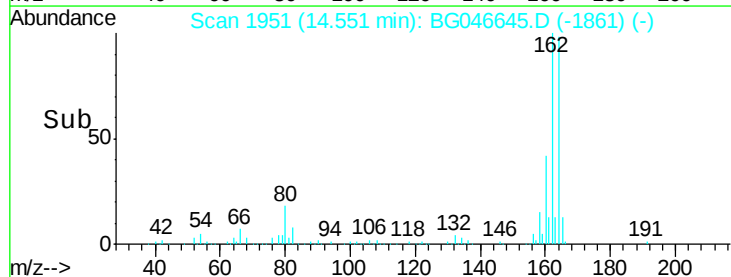
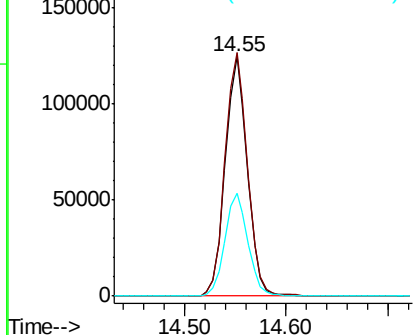


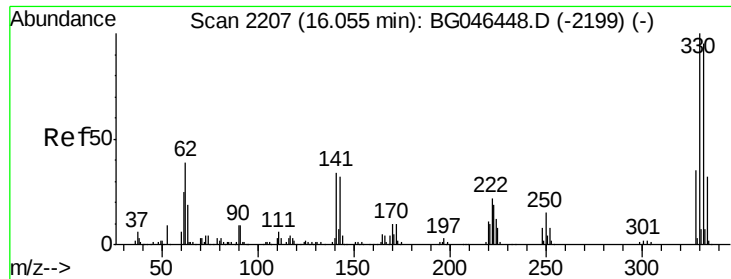
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

Tgt Ion: 164 Resp: 189083
Ion Ratio Lower Upper
164 100
162 101.7 82.3 123.5
160 42.8 35.3 52.9



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

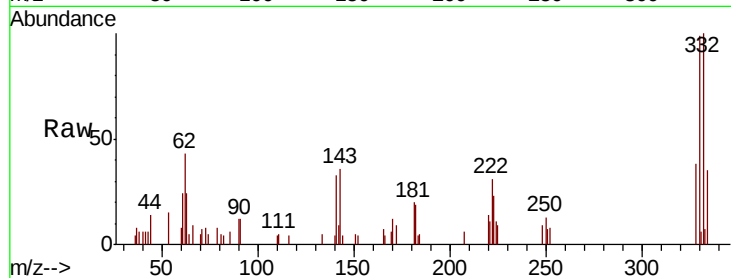




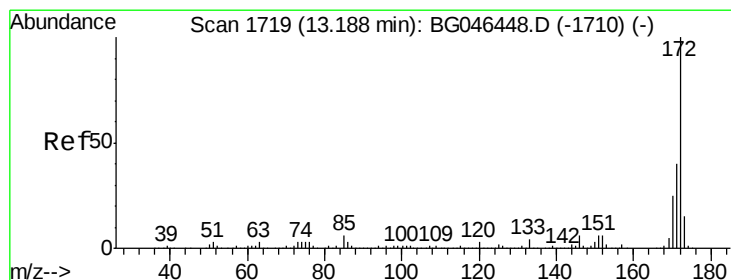
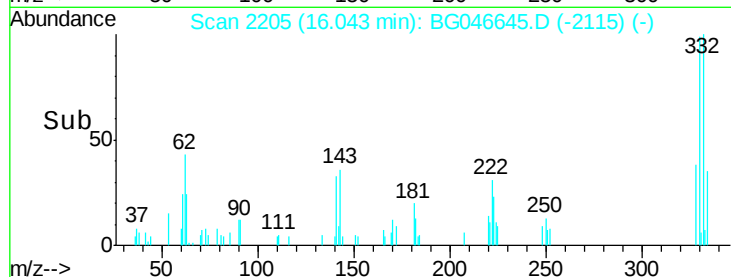
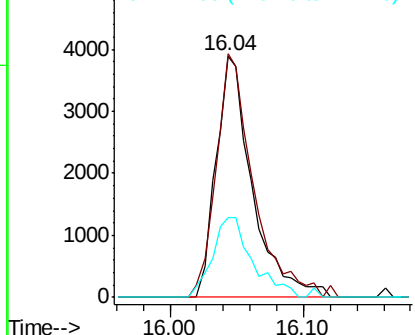
#42
 2,4,6-Tribromophenol
 Concen: 2.889 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BG046645.D
 Acq: 16 Sep 2020 18:01

Instrument :
 BNA_G
 ClientSampleId :
 B14-1-3

Tot Ion:330 Resp: 7402
 Ion Ratio Lower Upper
 330 100
 332 104.2 76.5 114.7
 141 36.6 26.0 39.0

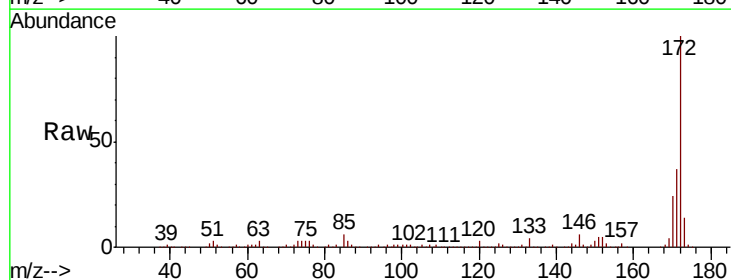


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

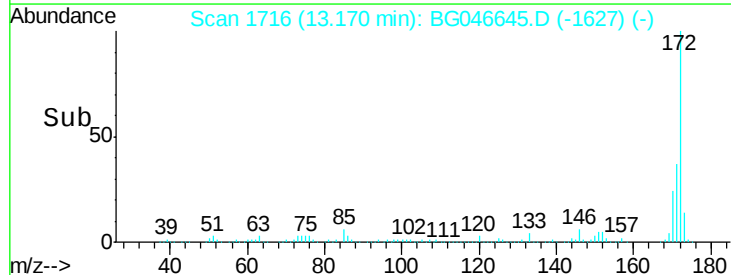
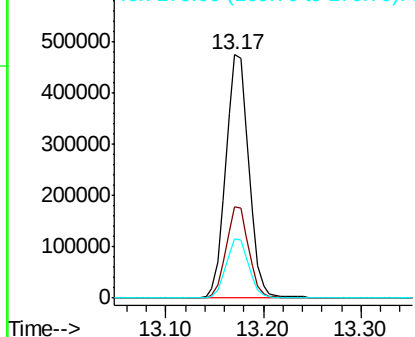


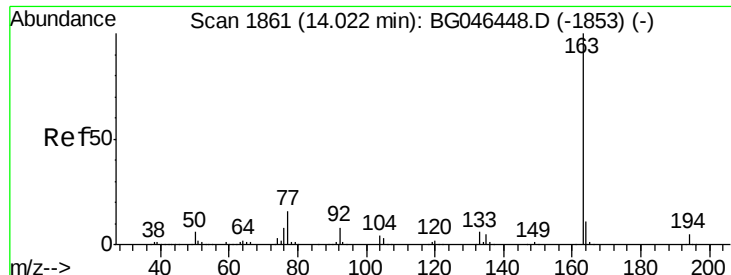
#45
 2-Fluorobiphenyl
 Concen: 62.796 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG046645.D
 Acq: 16 Sep 2020 18:01

Tgt Ion:172 Resp: 777804
 Ion Ratio Lower Upper
 172 100
 171 37.3 31.3 46.9
 170 24.3 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

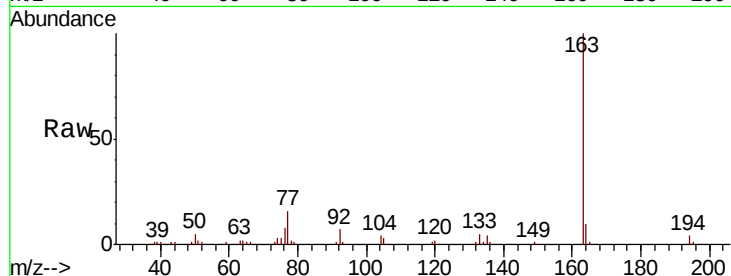




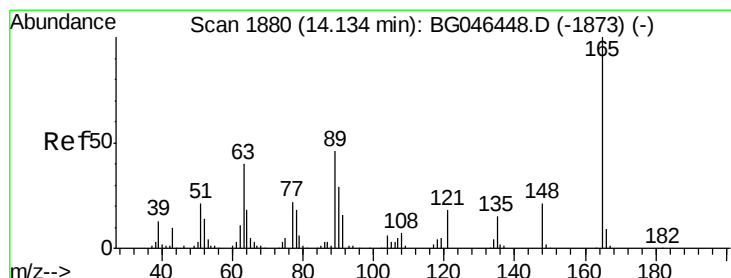
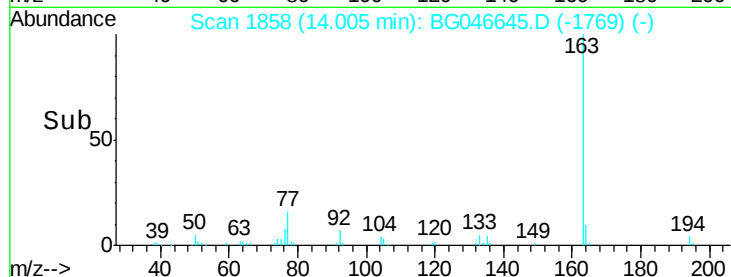
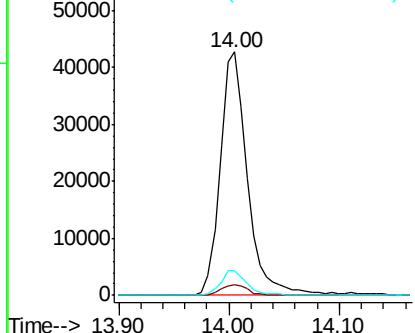
#50
Dimethylphthalate
Concen: 5.027 ng
RT: 14.00 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

Instrument :
BNA_G
ClientSampled :
B14-1-3

Tot Ion:163 Resp: 73533
Ion Ratio Lower Upper
163 100
194 4.3 3.8 5.8
164 10.3 8.8 13.2

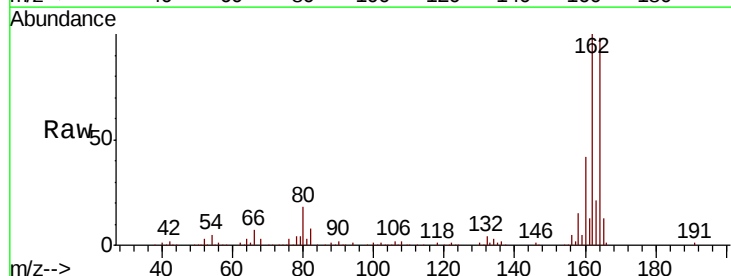


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

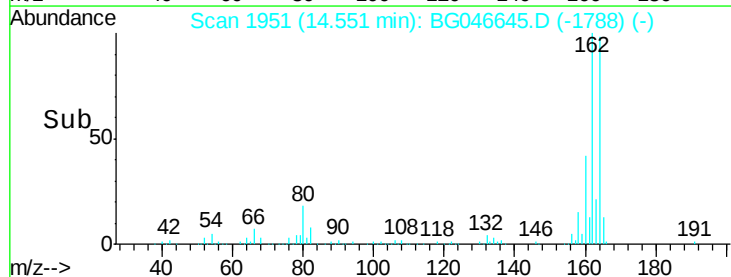
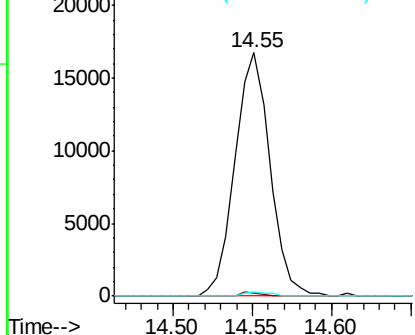


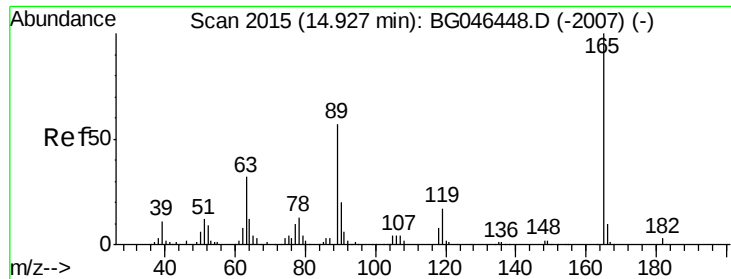
#51
2,6-Dinitrotoluene
Concen: 7.939 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.43 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

Tgt Ion:165 Resp: 25601
Ion Ratio Lower Upper
165 100
63 1.3 33.7 50.5#
89 1.6 36.6 54.8#



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

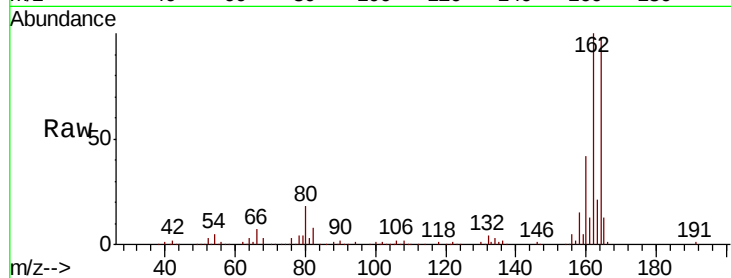




#57
 2,4-Dinitrotoluene
 Concen: 5.568 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG046645.D
 Acq: 16 Sep 2020 18:01

Instrument :
 BNA_G
 ClientSampled :
 B14-1-3

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	26.4	39.6#
89	1.6	47.8	71.8#
182	0.0	2.6	4.0#



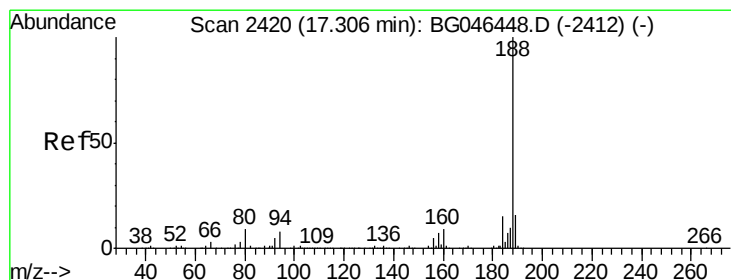
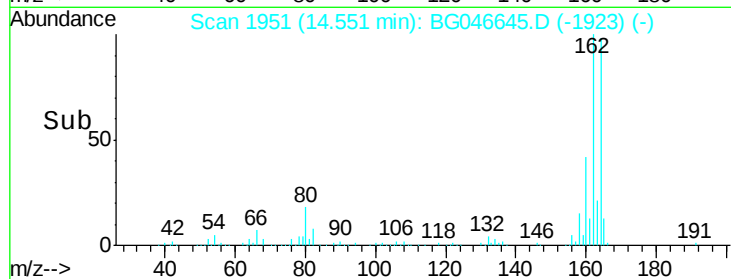
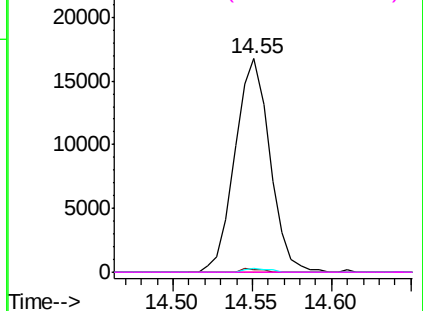
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

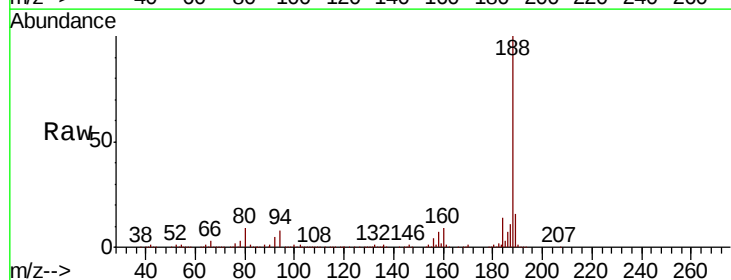
Ion 89.00 (88.70 to 89.70): BGC

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: BG046645.D
 Acq: 16 Sep 2020 18:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.3	9.5
80	8.6	7.0	10.6

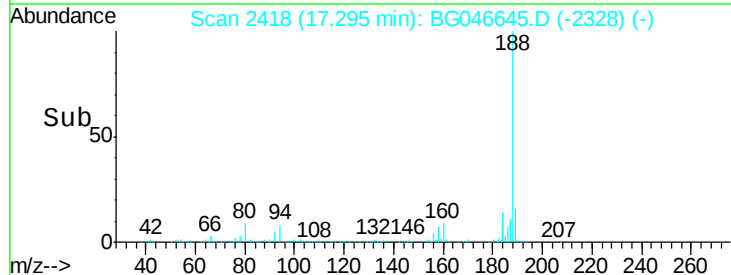
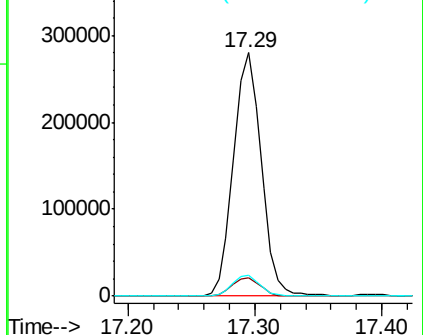


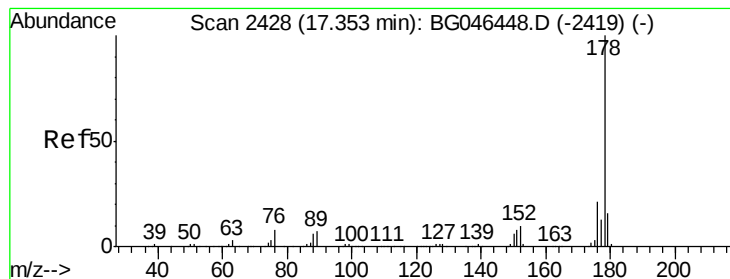
Abundance

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





#71

Phenanthrene

Concen: 3.743 ng

RT: 17.34 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BG046645.D

Acq: 16 Sep 2020 18:01

Instrument :

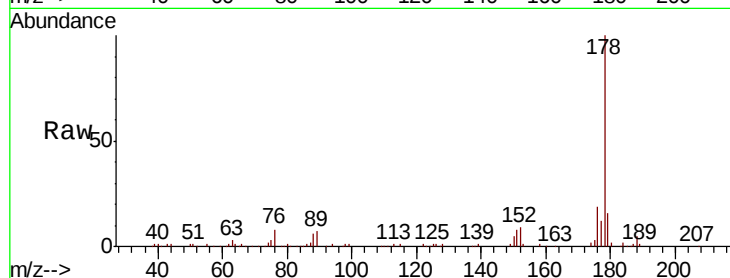
BNA_G

ClientSampleId :

B14-1-3

Tot Ion:178 Resp: 80797

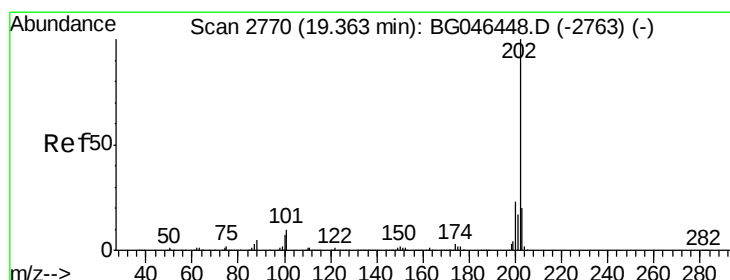
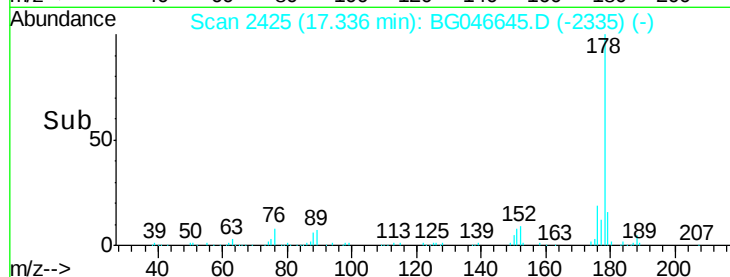
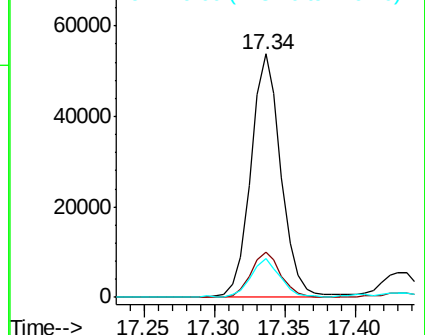
Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.7	25.1
179	15.9	14.0	21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.989 ng

RT: 19.35 min Scan# 2767

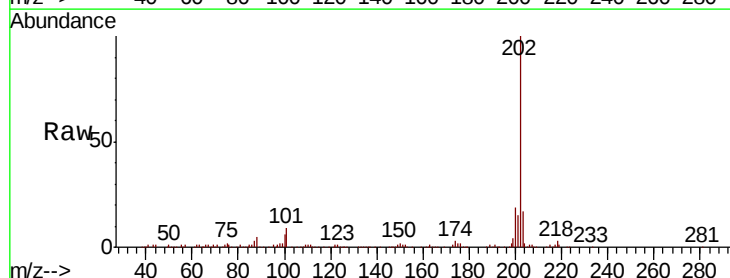
Delta R.T. -0.00 min

Lab File: BG046645.D

Acq: 16 Sep 2020 18:01

Tgt Ion:202 Resp: 138576

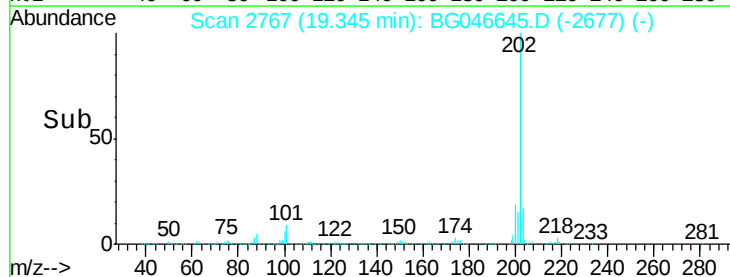
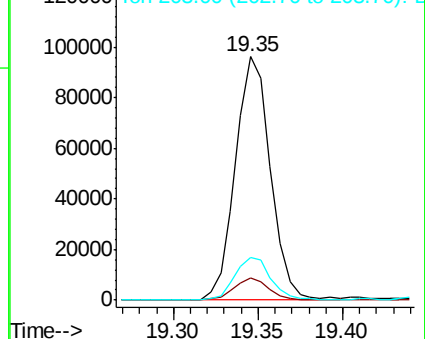
Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	29.7
203	17.4	0.0	39.2

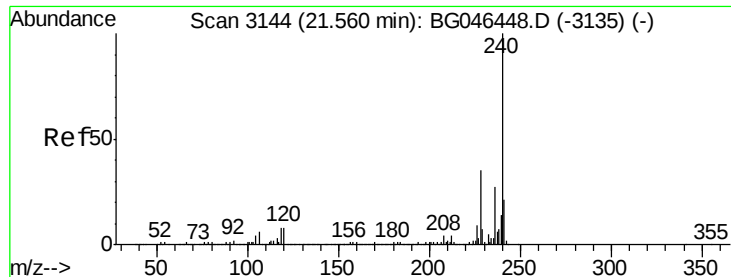


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

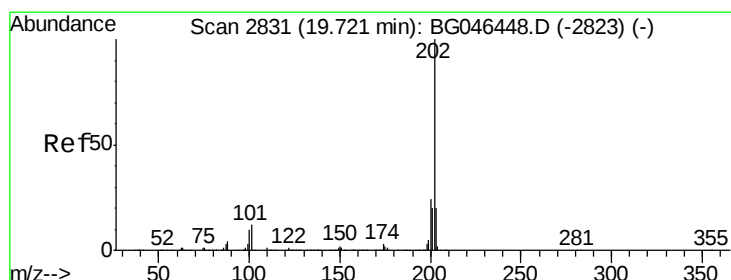
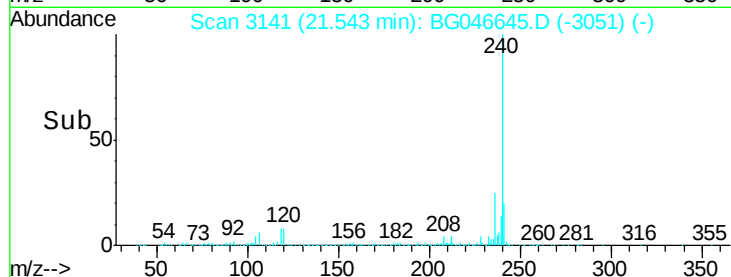
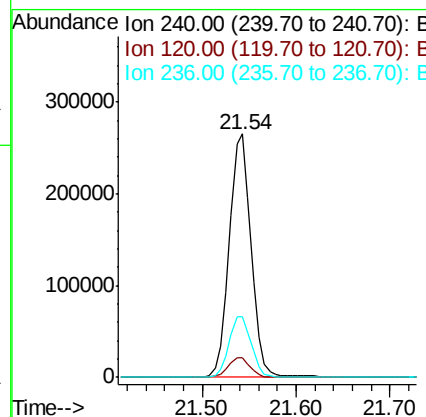
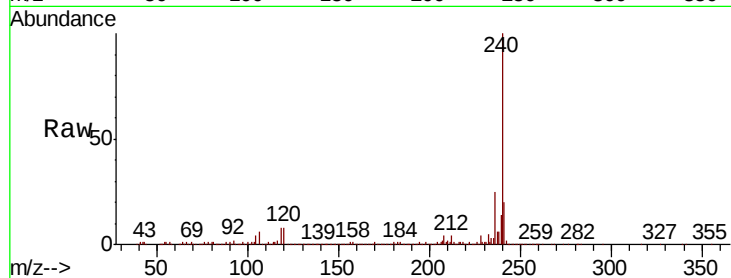




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

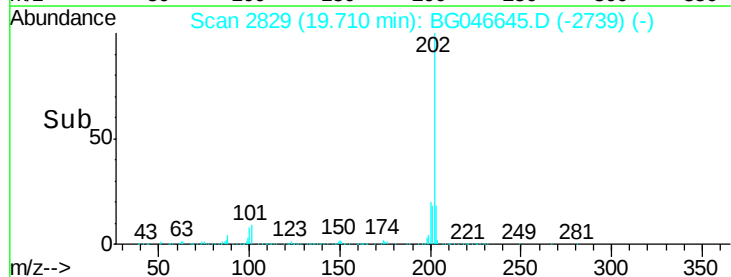
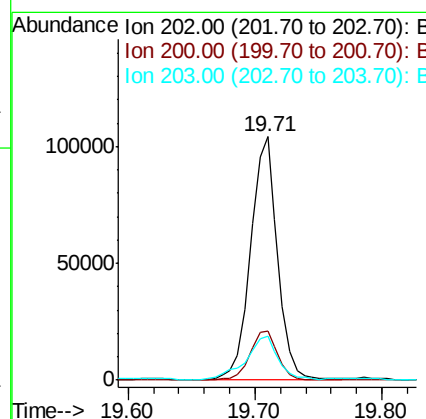
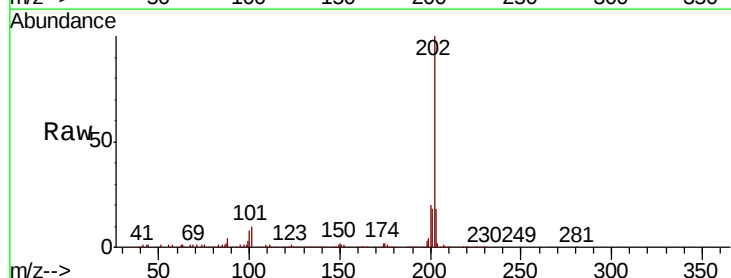
Instrument :
BNA_G
ClientSampleId :
B14-1-3

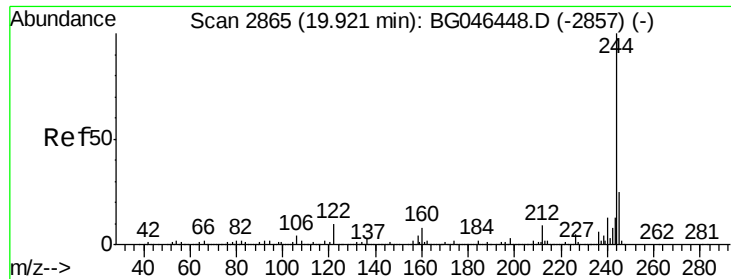
Tot Ion:240 Resp: 428875
Ion Ratio Lower Upper
240 100
120 8.0 6.2 9.4
236 24.7 20.5 30.7



#78
Pyrene
Concen: 5.590 ng
RT: 19.71 min Scan# 2829
Delta R.T. -0.00 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

Tgt Ion:202 Resp: 152657
Ion Ratio Lower Upper
202 100
200 20.0 18.6 27.8
203 18.1 15.3 22.9





#79

Terphenyl-d14

Concen: 56.553 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG046645.D

Acq: 16 Sep 2020 18:01

Instrument :

BNA_G

ClientSampled :

B14-1-3

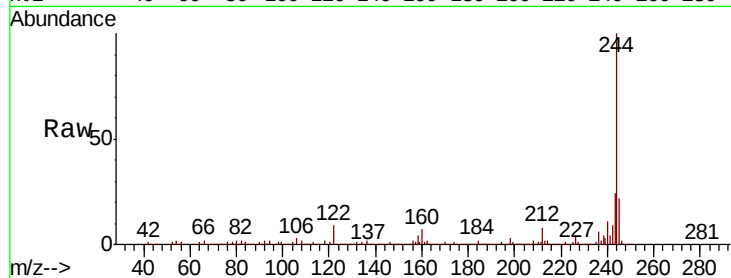
Tot Ion:244 Resp: 1139665

Ion Ratio Lower Upper

244 100

212 7.7 6.7 10.1

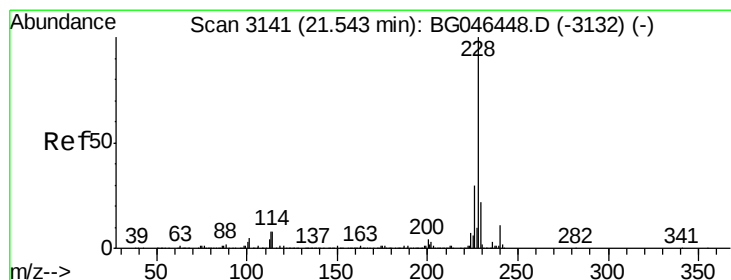
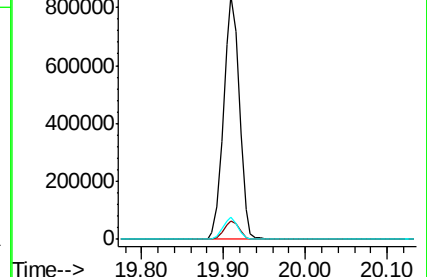
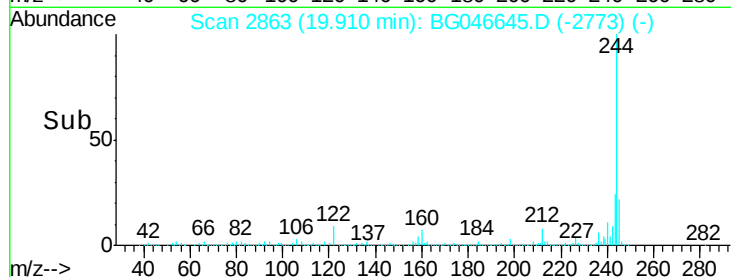
122 9.3 7.8 11.6



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



#81

Benzo(a)anthracene

Concen: 2.897 ng

RT: 21.52 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG046645.D

Acq: 16 Sep 2020 18:01

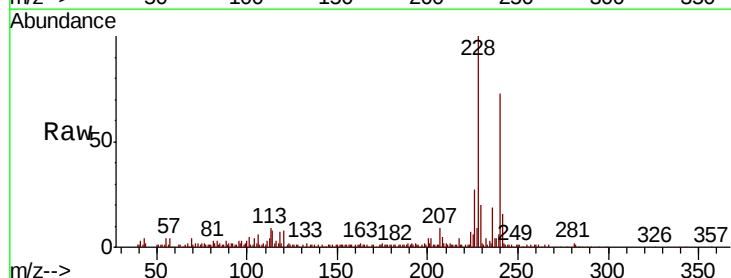
Tgt Ion:228 Resp: 77453

Ion Ratio Lower Upper

228 100

226 26.7 23.3 34.9

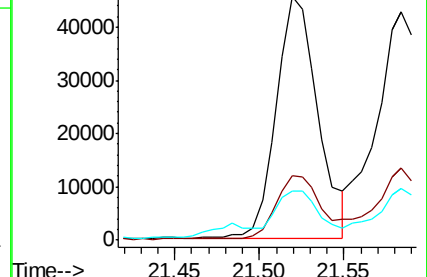
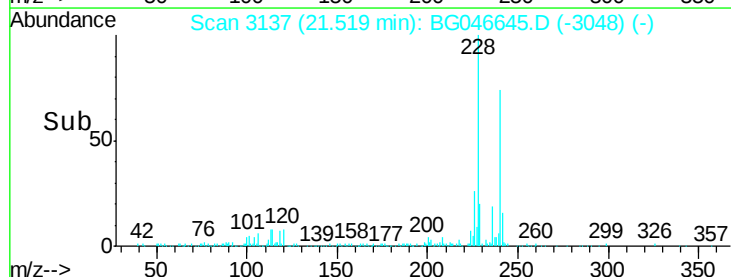
229 20.3 17.4 26.0

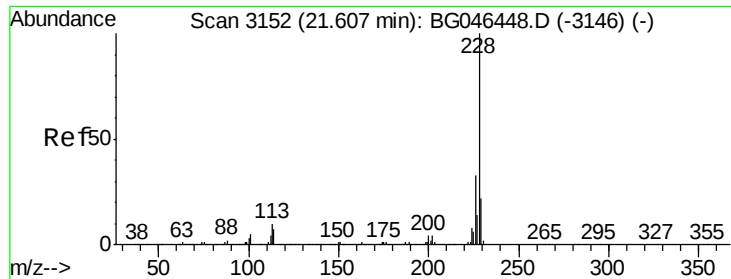


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.167 ng

RT: 21.58 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG046645.D

Acq: 16 Sep 2020 18:01

Instrument :

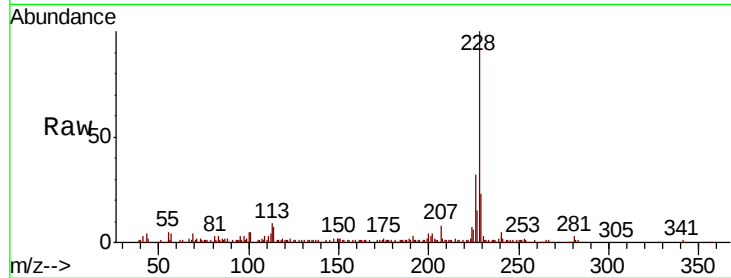
BNA_G

ClientSampleId :

B14-1-3

Tot Ion:228 Resp: 81426

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.4
229	22.6	17.3	25.9

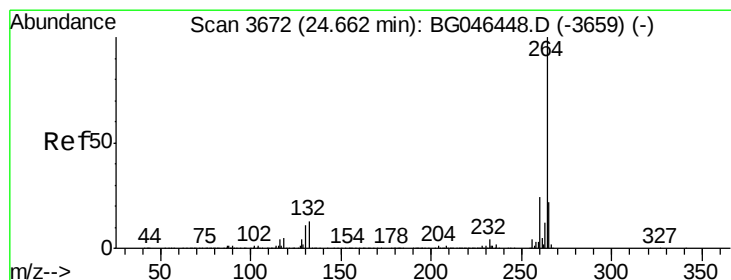
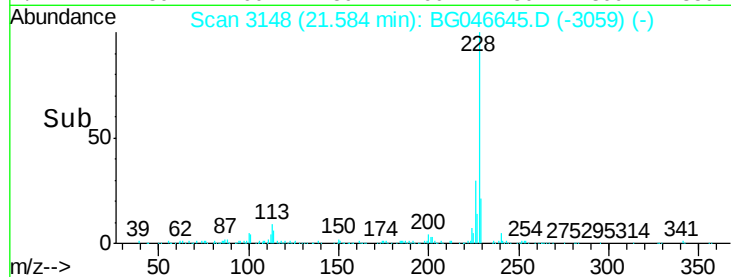
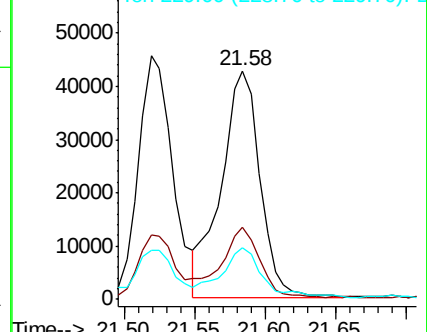


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.63 min Scan# 3667

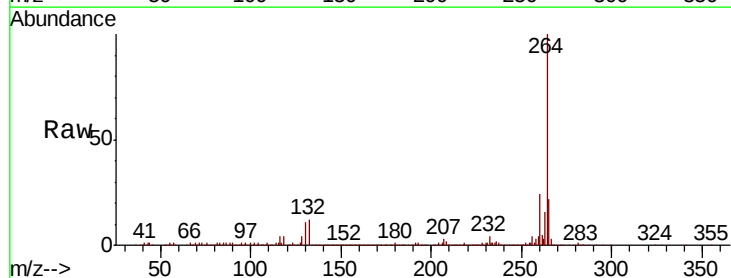
Delta R.T. -0.00 min

Lab File: BG046645.D

Acq: 16 Sep 2020 18:01

Tgt Ion:264 Resp: 427721

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.7	17.8	26.8

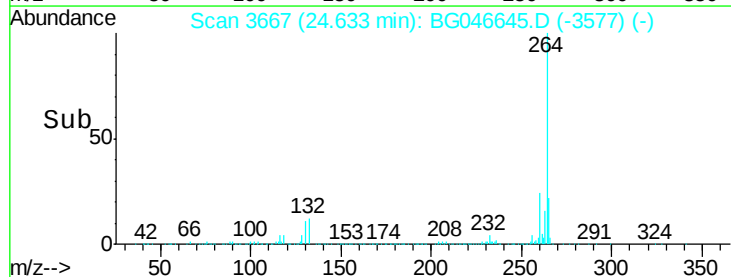
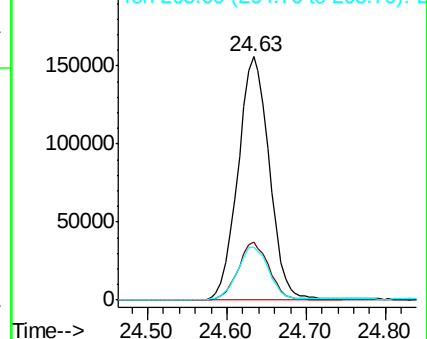


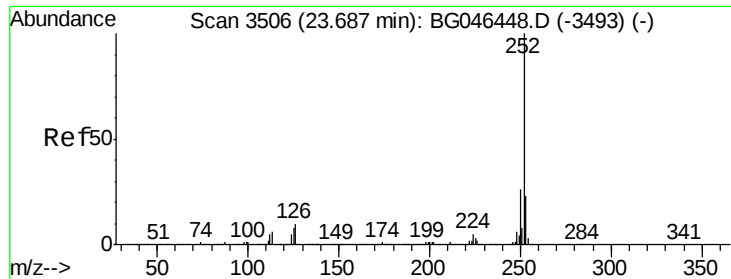
Abundance

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

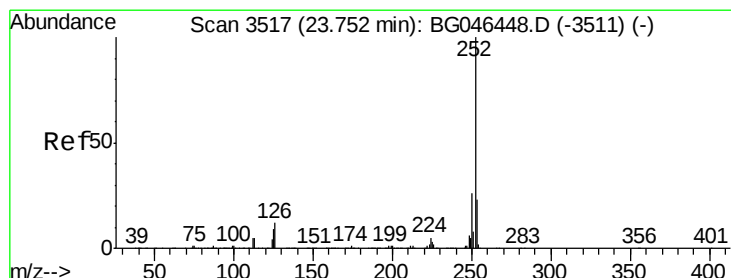
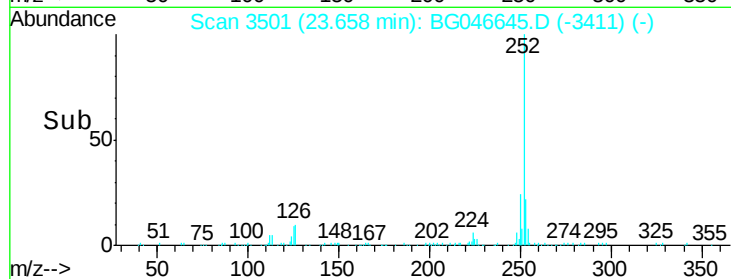
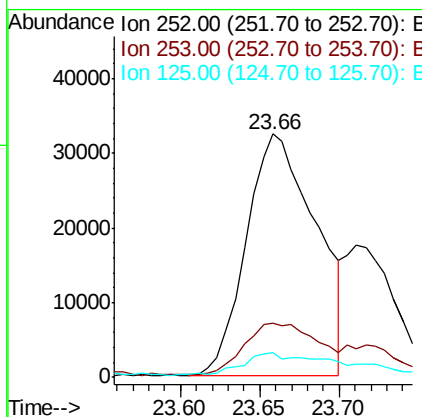
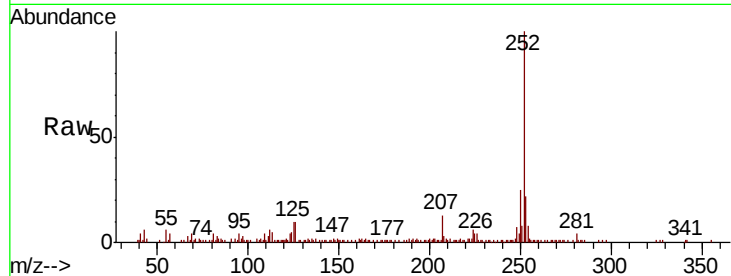




#88
Benzo(b)fluoranthene
Concen: 3.699 ng
RT: 23.66 min Scan# 3501
Delta R.T. -0.00 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

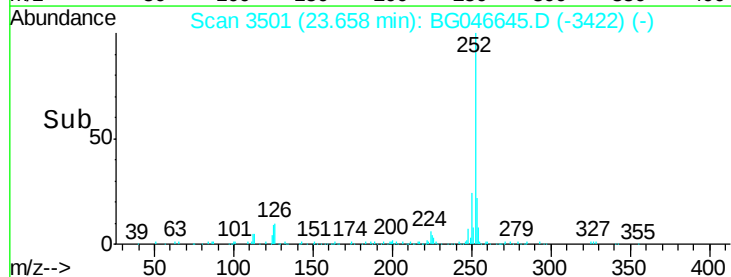
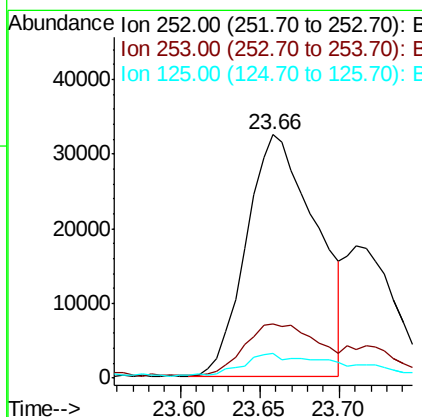
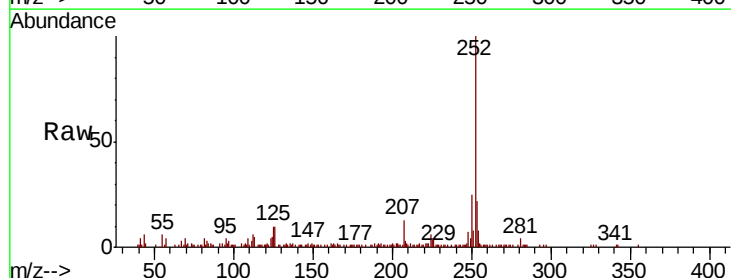
Instrument :
BNA_G
ClientSampled :
B14-1-3

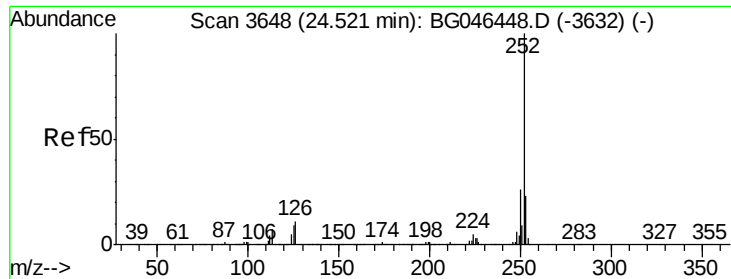
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	9.9	6.5	9.7



#89
Benzo(k)fluoranthene
Concen: 3.828 ng
RT: 23.66 min Scan# 3501
Delta R.T. -0.06 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	27.8
125	9.9	6.8	10.2

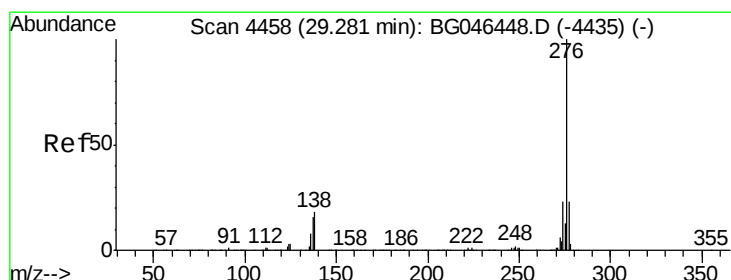
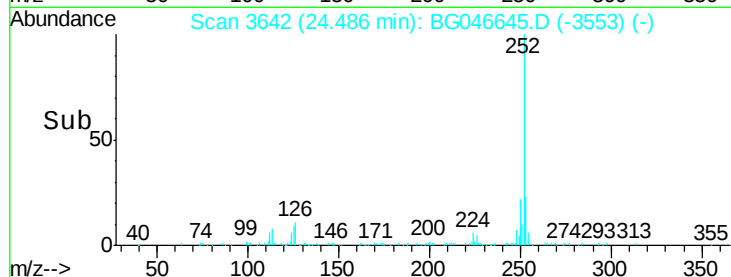
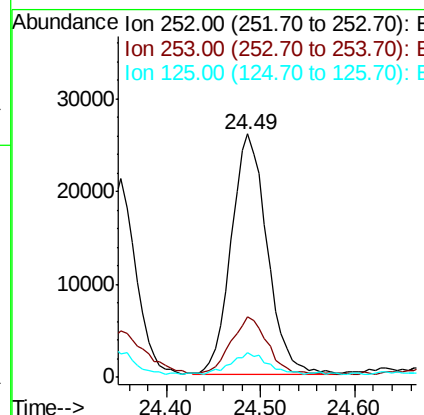
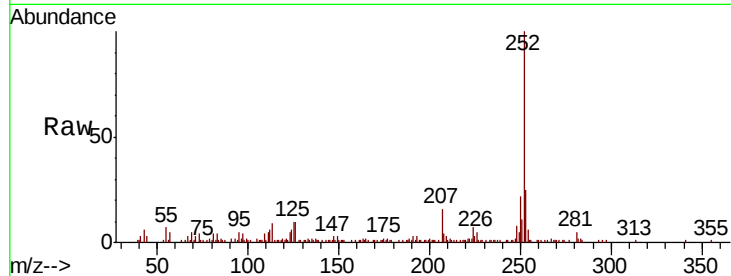




#90
Benzo(a)pyrene
Concen: 2.786 ng
RT: 24.49 min Scan# 3642
Delta R.T. -0.01 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

Instrument :
BNA_G
ClientSampleId :
B14-1-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	10.4	7.0	10.4



#92
Benzo(g,h,i)perylene
Concen: 2.113 ng
RT: 29.22 min Scan# 4447
Delta R.T. -0.01 min
Lab File: BG046645.D
Acq: 16 Sep 2020 18:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.6	29.4
138	15.7	13.4	20.2

