

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
 Data File : BG046285.D
 Acq On : 14 Aug 2020 21:22
 Operator : CG/JU
 Sample : L3662-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 24051

Quant Time: Aug 17 00:46:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 18:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	113825	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	443670	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	257636	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	515878	20.00	ng	0.00
76) Chrysene-d12	21.56	240	560667	20.00	ng	-0.01
86) Perylene-d12	24.67	264	622245	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	461562	70.49	ng	0.00
7) Phenol-d6	7.12	99	595956	66.78	ng	0.00
23) Nitrobenzene-d5	9.10	82	399583	48.76	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	240613	60.80	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	875425	49.36	ng	0.00
79) Terphenyl-d14	19.93	244	1127934	40.97	ng	-0.01

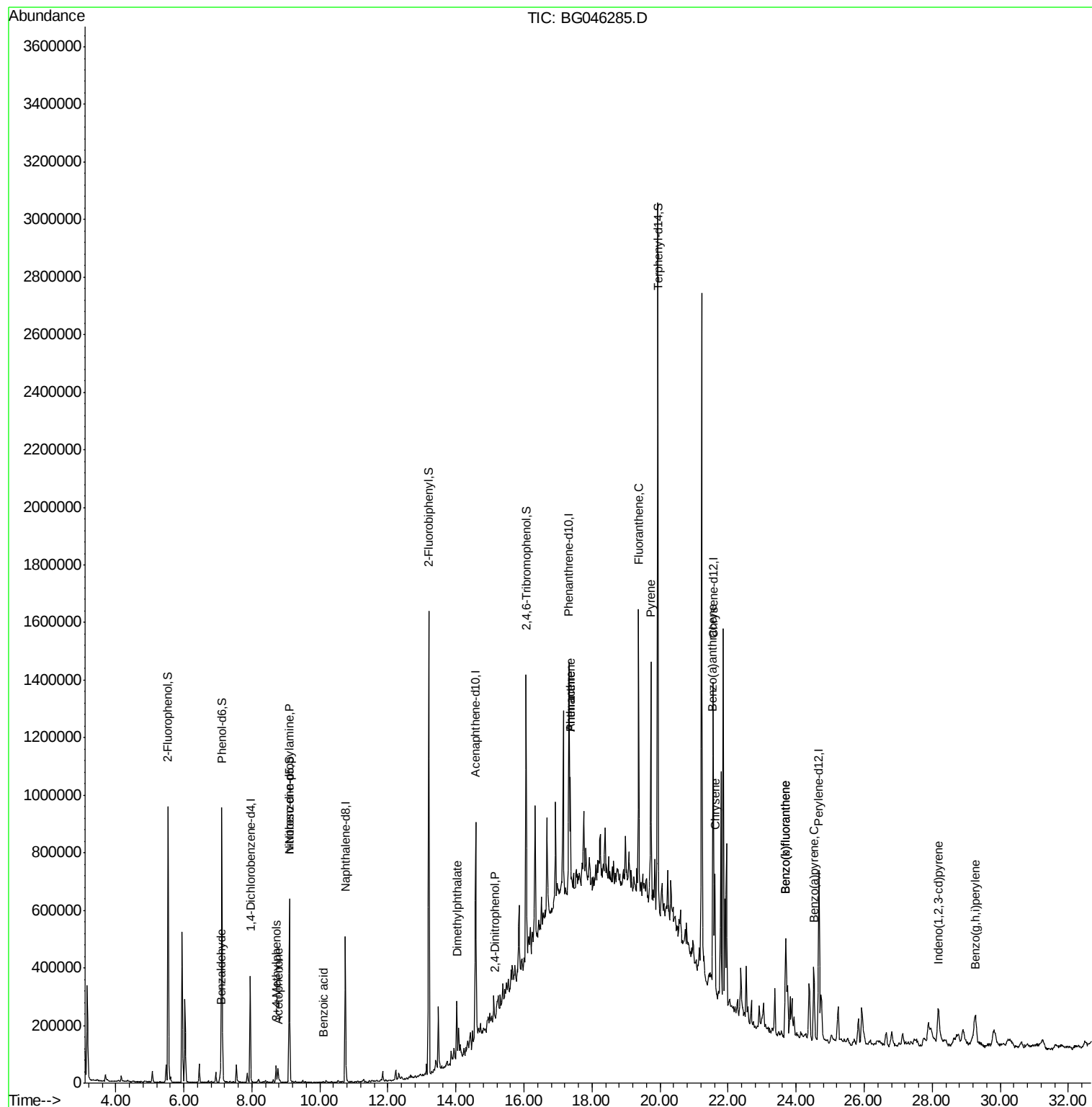
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.09	77	20240	3.822	ng	95
19) n-Nitroso-di-n-propylamine	9.10	70	50939	8.771	ng	# 76
20) 3+4-Methylphenols	8.71	107	28897	3.488	ng	92
22) Acetophenone	8.77	105	29702	2.609	ng	# 94
32) Benzoic acid	10.11	122	130	9.432	ng	85
50) Dimethylphthalate	14.03	163	142752	7.219	ng	97
54) 2,4-Dinitrophenol	15.15	184	55	7.084	ng	# 1
71) Phenanthrene	17.36	178	236443	8.367	ng	98
72) Anthracene	17.36	178	236443	8.412	ng	98
75) Fluoranthene	19.37	202	604237	17.127	ng	97
78) Pyrene	19.73	202	542579	14.403	ng	96
81) Benzo(a)anthracene	21.55	228	301825	8.044	ng	97
83) Chrysene	21.61	228	304297	8.279	ng	96
87) Indeno(1,2,3-cd)pyrene	28.18	276	216898	4.571	ng	97
88) Benzo(b)fluoranthene	23.70	252	425331	10.200	ng	98
89) Benzo(k)fluoranthene	23.70	252	425331	10.400	ng	98
90) Benzo(a)pyrene	24.52	252	304861	7.857	ng	99
92) Benzo(g,h,i)perylene	29.27	276	204073	5.094	ng	98

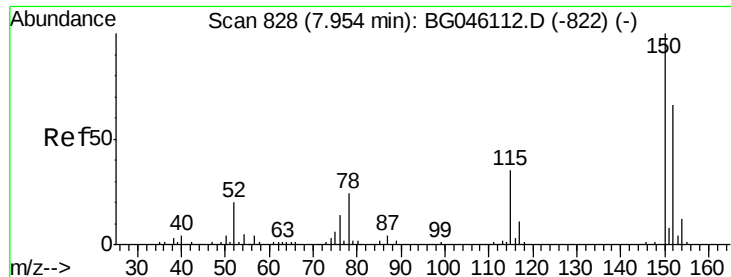
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
Data File : BG046285.D
Acq On : 14 Aug 2020 21:22
Operator : CG/JU
Sample : L3662-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
24051

Quant Time: Aug 17 00:46:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 30 18:43:49 2020
Response via : Initial Calibration



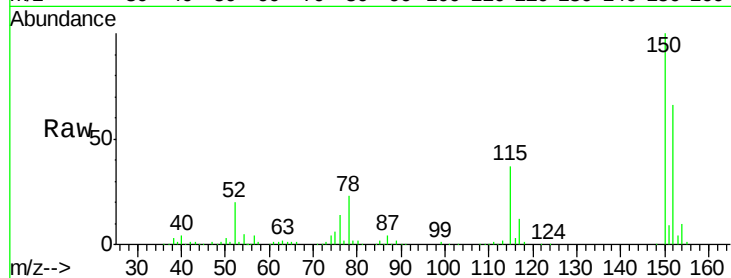


#1

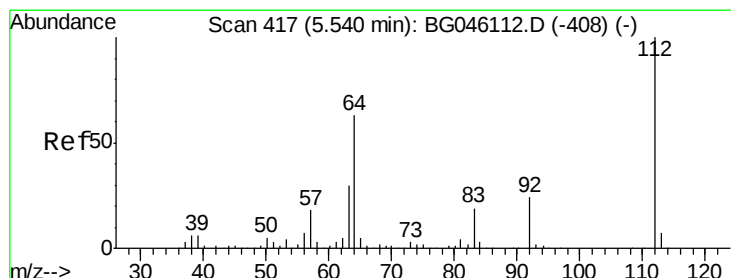
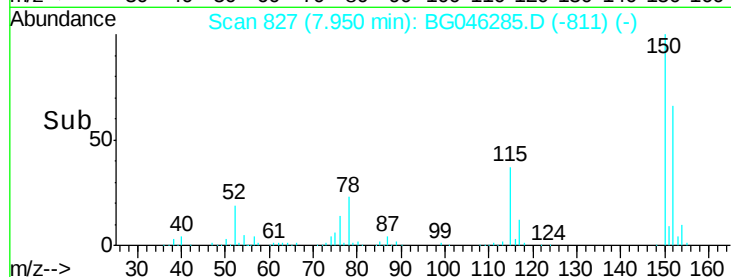
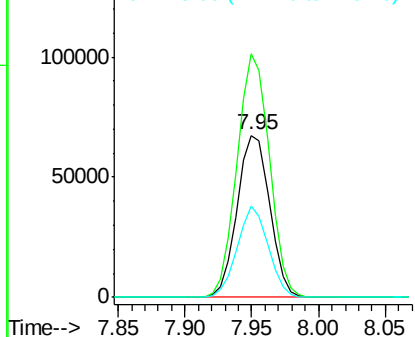
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	122.1	183.1
115	56.0	43.2	64.8



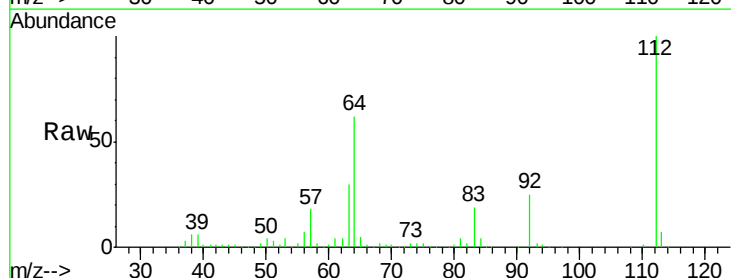
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



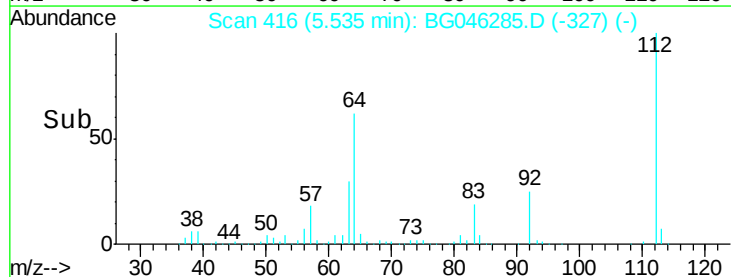
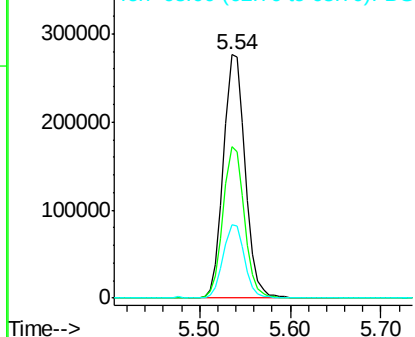
#5

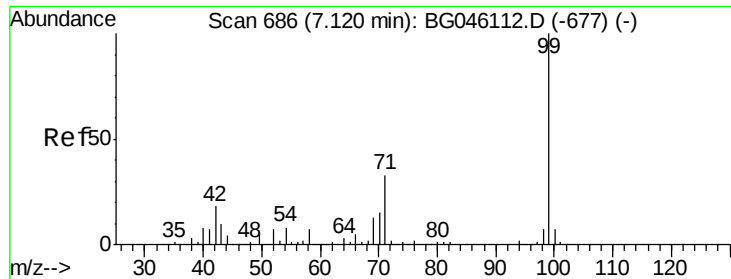
2-Fluorophenol
Concen: 70.491 ng
RT: 5.54 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	50.2	75.2
63	30.1	24.2	36.4



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: 66.783 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Instrument :

BNA_G

ClientSampled :

24051

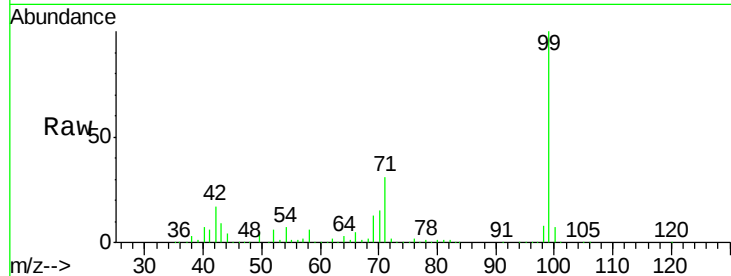
Tot Ion: 99 Resp: 595956

Ion Ratio Lower Upper

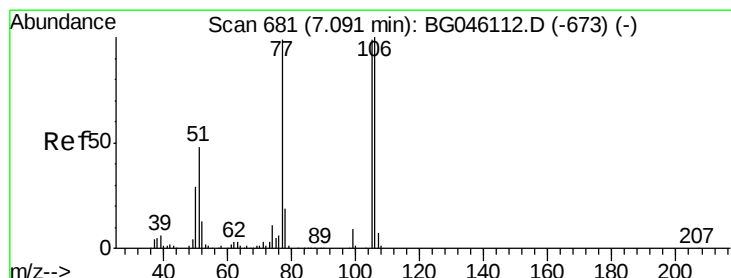
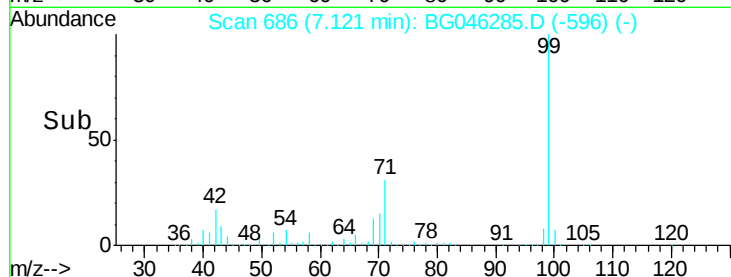
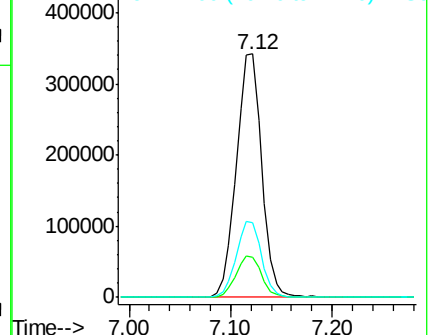
99 100

42 16.7 14.7 22.1

71 30.6 26.5 39.7



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



#9

Benzaldehyde

Concen: 3.822 ng

RT: 7.09 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

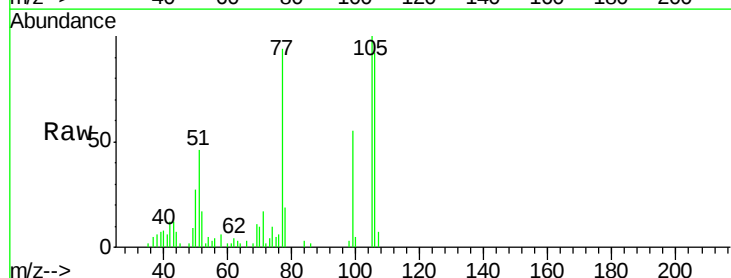
Tgt Ion: 77 Resp: 20240

Ion Ratio Lower Upper

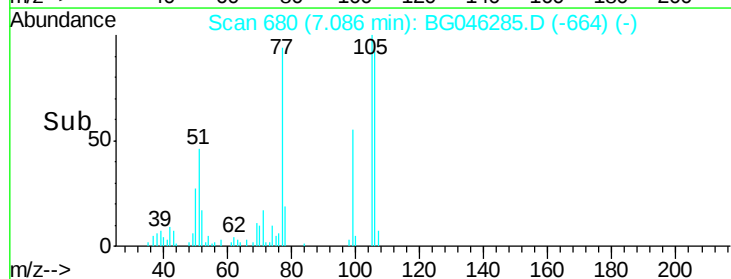
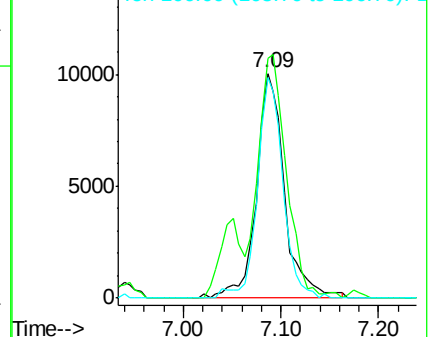
77 100

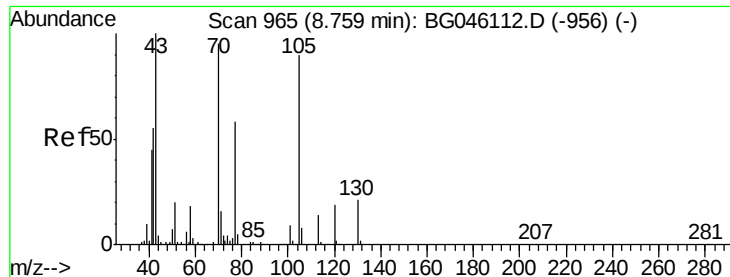
105 106.6 80.3 120.3

106 98.2 81.5 121.5



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

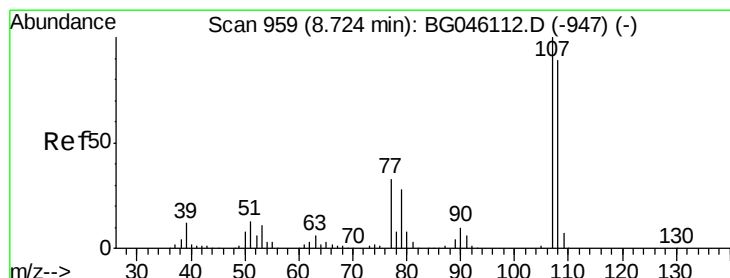
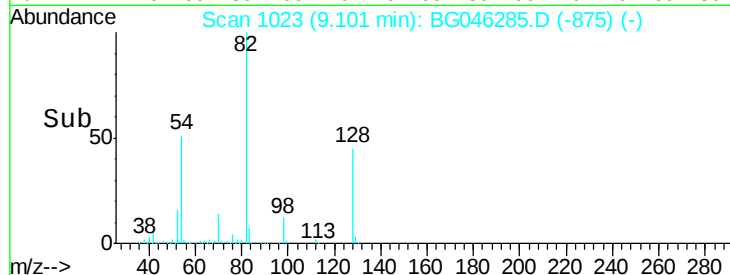
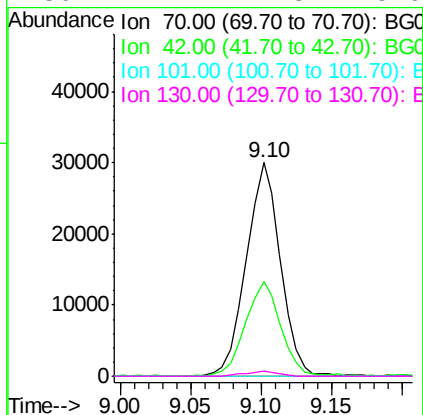
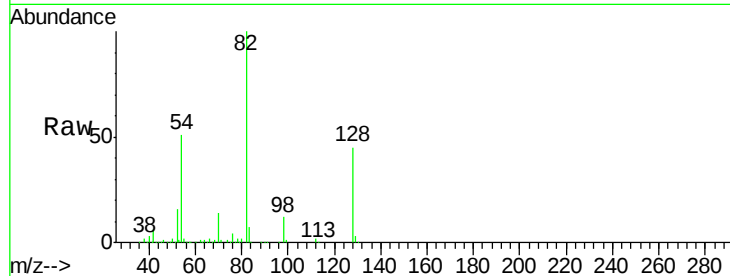




#19
n-Nitroso-di-n-propylamine
Concen: 8.771 ng
RT: 9.10 min Scan# 1023
Delta R.T. 0.34 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

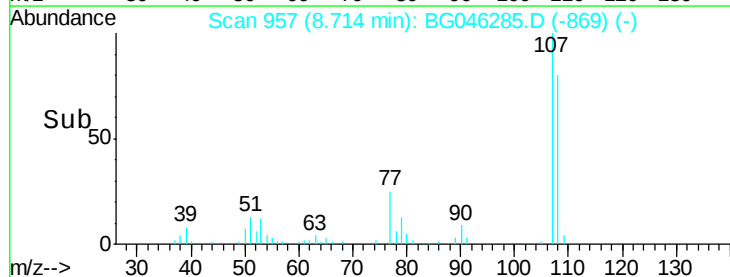
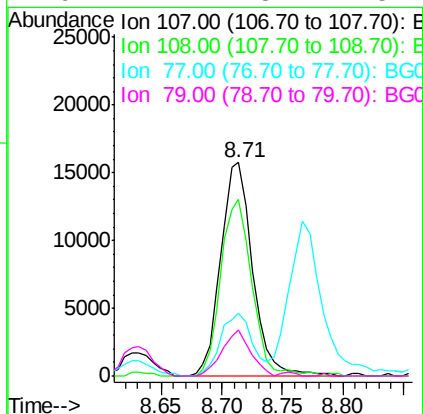
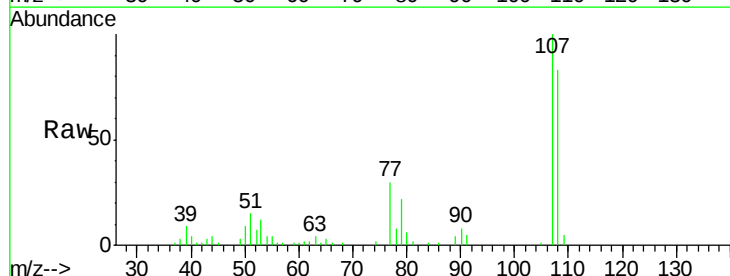
Instrument :
BNA_G
ClientSampleId :
24051

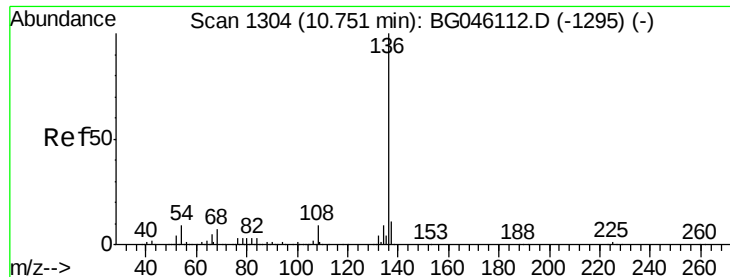
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.6	46.5	69.7#
101	0.0	7.6	11.4#
130	2.4	17.3	25.9#



#20
3+4-Methylphenols
Concen: 3.488 ng
RT: 8.71 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
107	100		
108	82.5	69.1	109.1
77	29.7	12.5	52.5
79	21.7	8.4	48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Instrument :

BNA_G

ClientSampleId :

24051

Tot Ion:136 Resp: 443670

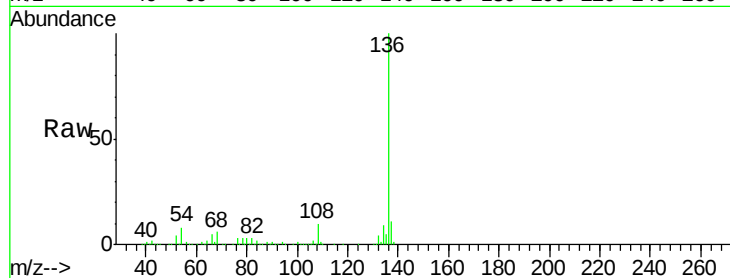
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.4 7.0 10.4

68 6.0 5.3 7.9

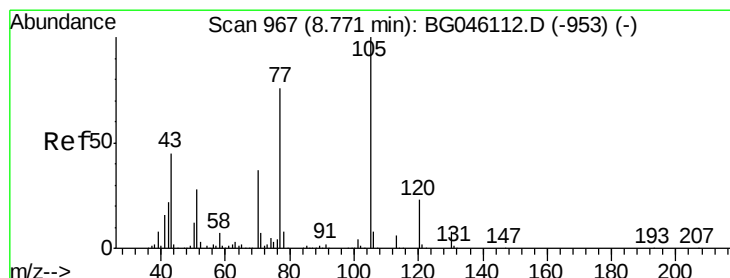
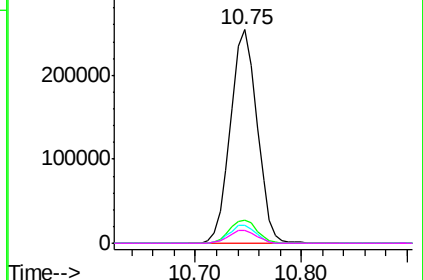
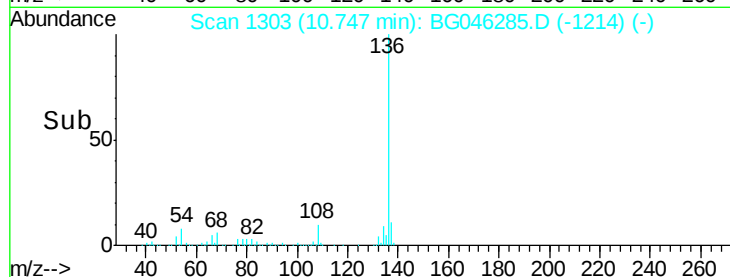


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.609 ng

RT: 8.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Tgt Ion:105 Resp: 29702

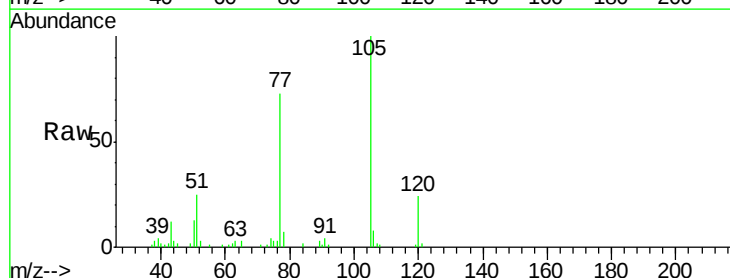
Ion Ratio Lower Upper

105 100

71 1.0 5.3 7.9#

51 24.6 22.7 34.1

120 23.8 18.7 28.1

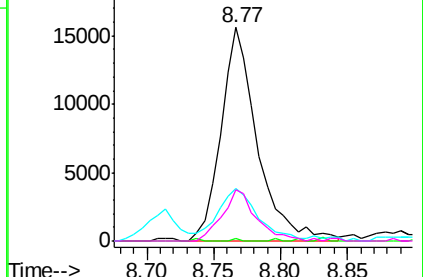
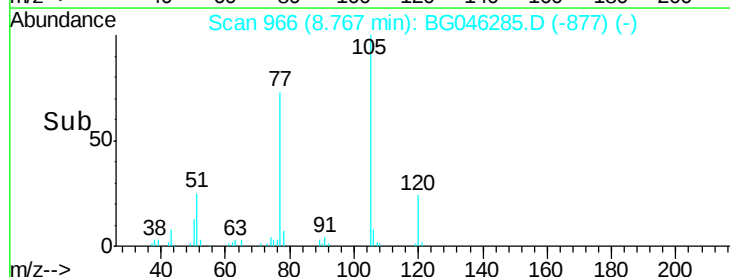


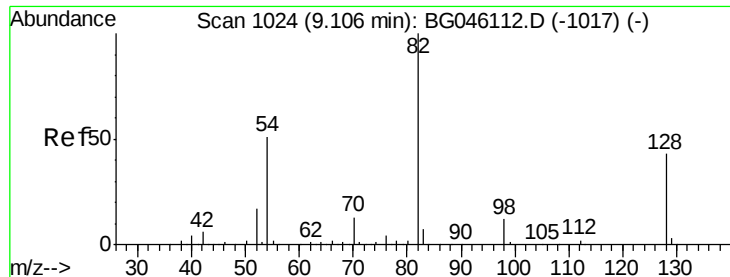
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

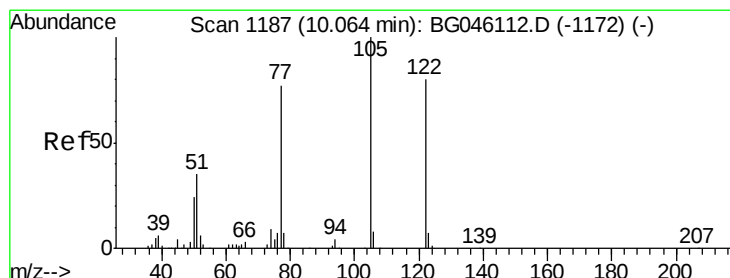
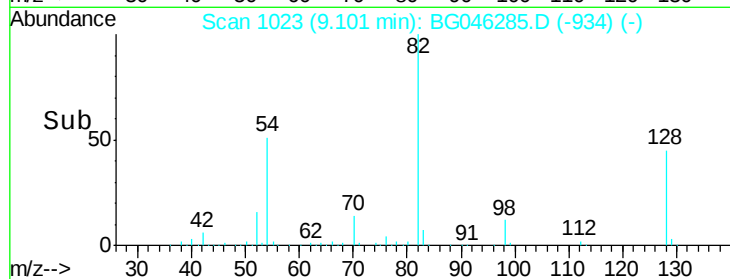
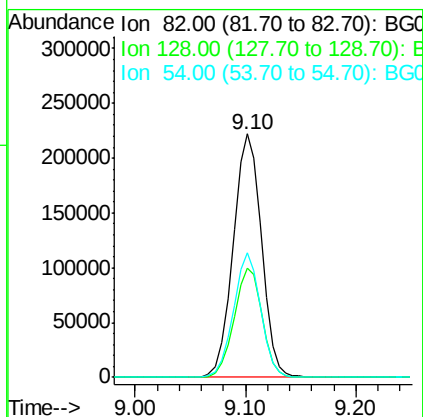
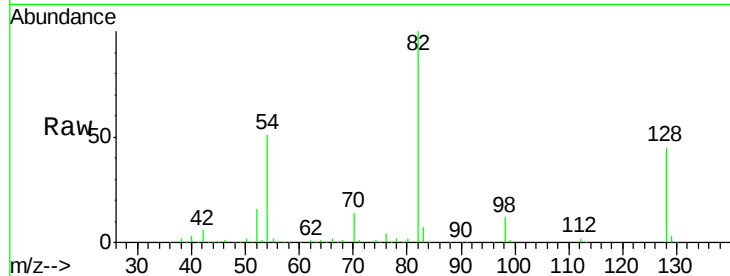




#23
Nitrobenzene-d5
Concen: 48.763 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

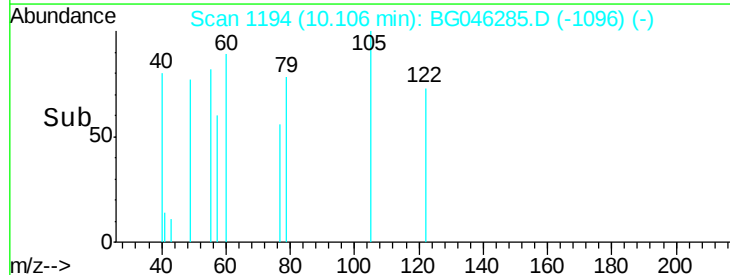
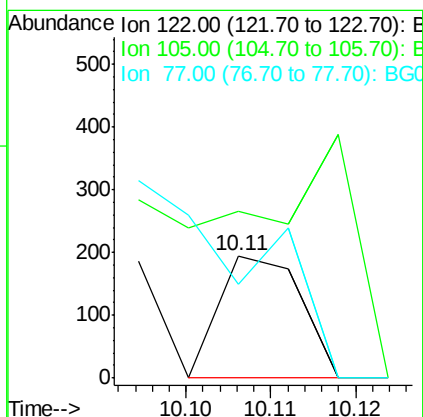
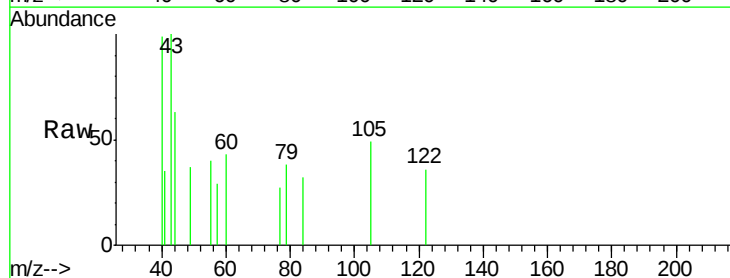
Instrument :
BNA_G
ClientSampleId :
24051

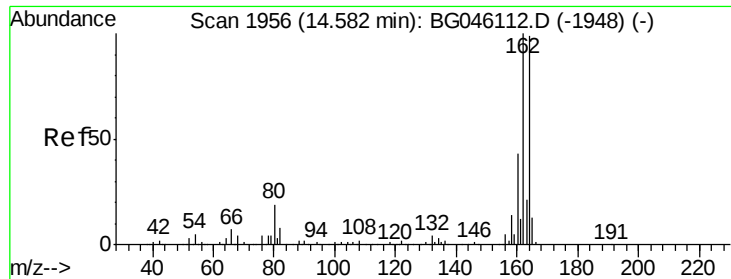
Tot Ion: 82 Resp: 399583
Ion Ratio Lower Upper
82 100
128 44.8 34.4 51.6
54 51.2 40.8 61.2



#32
Benzoic acid
Concen: 9.432 ng
RT: 10.11 min Scan# 1194
Delta R.T. 0.04 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion: 122 Resp: 130
Ion Ratio Lower Upper
122 100
105 136.4 103.0 143.0
77 76.9 75.2 115.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Instrument :

BNA_G

ClientSampleId :

24051

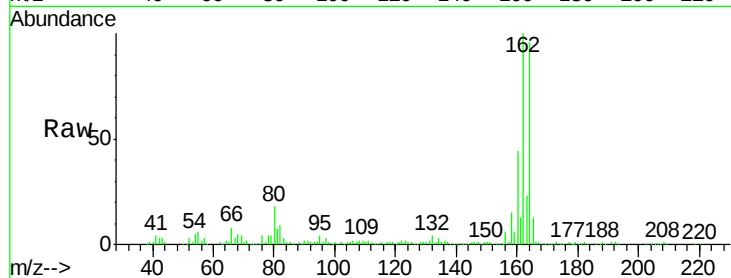
Tot Ion:164 Resp: 257636

Ion Ratio Lower Upper

164 100

162 103.9 80.6 121.0

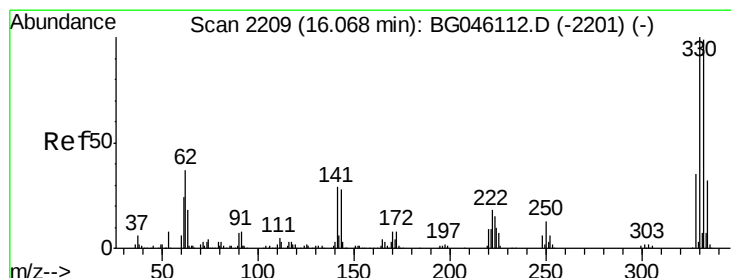
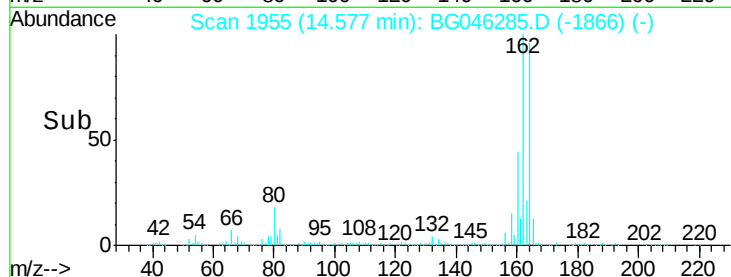
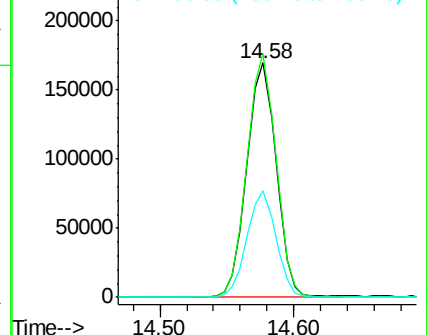
160 45.4 34.9 52.3



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: 60.803 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

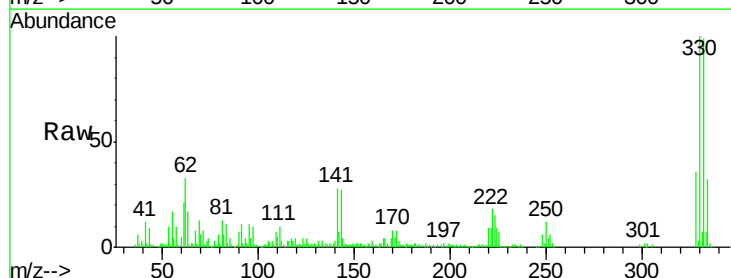
Tgt Ion:330 Resp: 240613

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.2

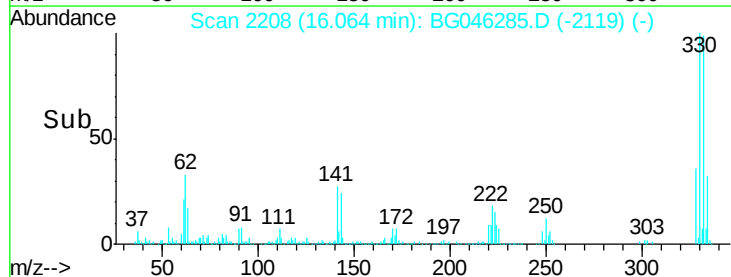
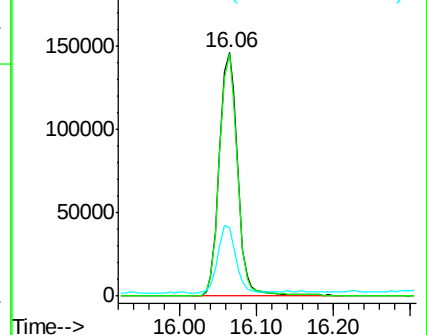
141 26.8 23.4 35.0

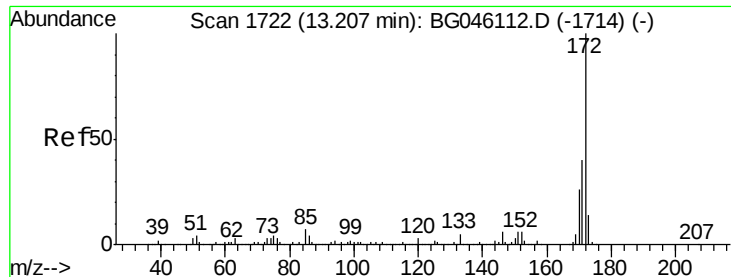


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

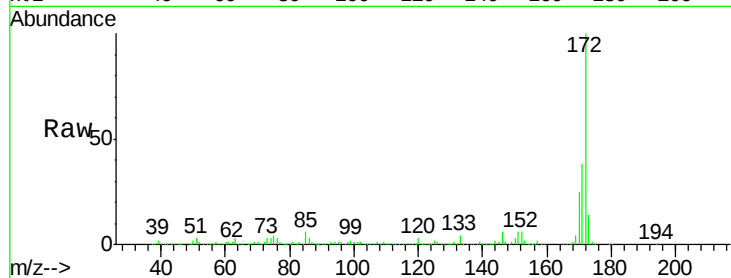




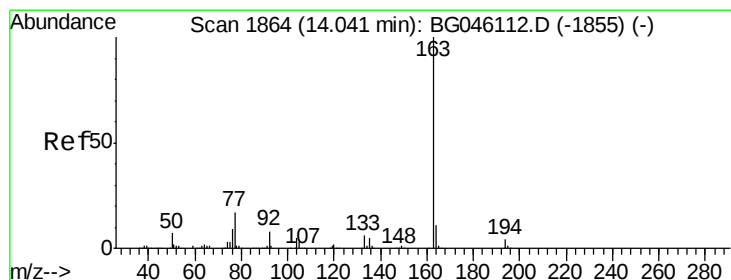
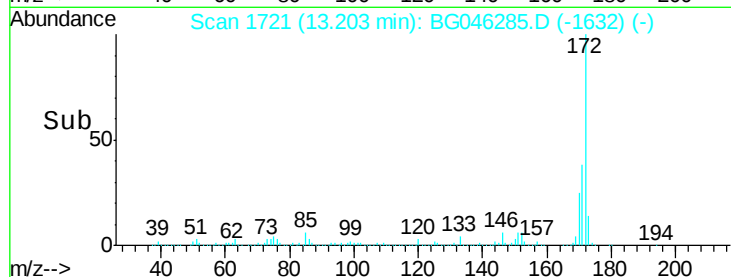
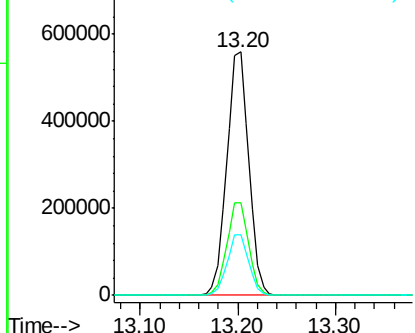
#45
2-Fluorobiphenyl
Concen: 49.359 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.7	47.5
170	24.9	20.9	31.3

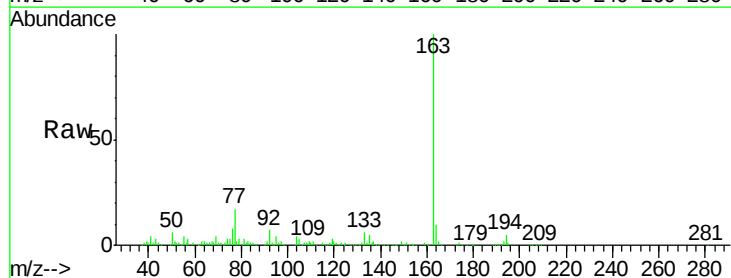


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

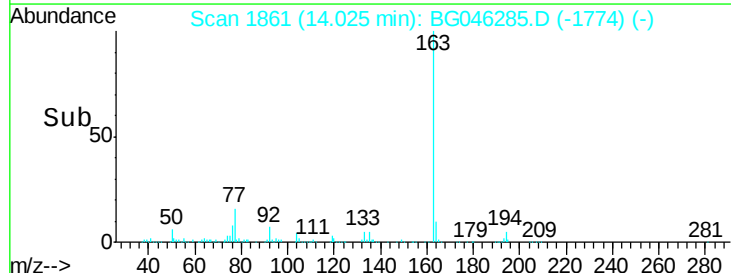
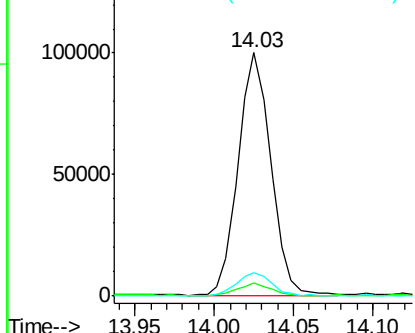


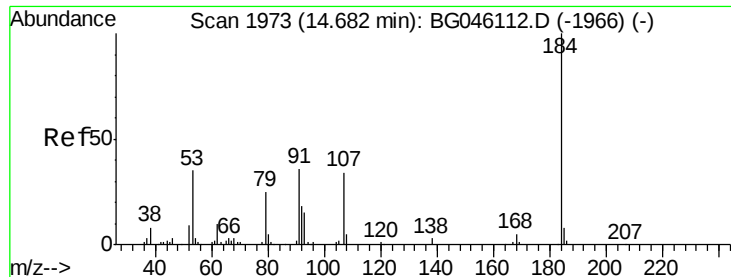
#50
Dimethylphthalate
Concen: 7.219 ng
RT: 14.03 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.5	5.3
164	9.8	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

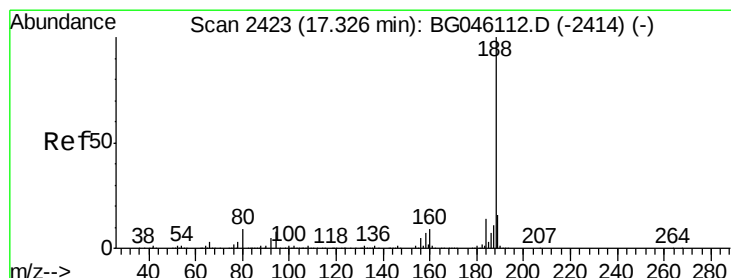
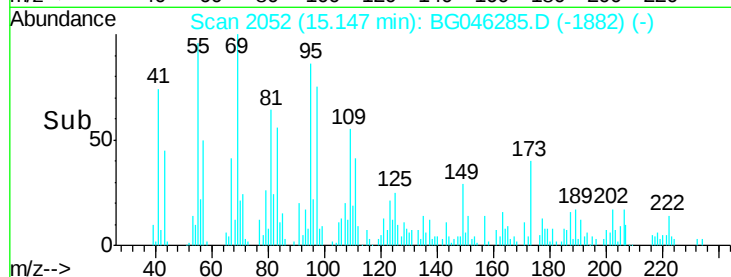
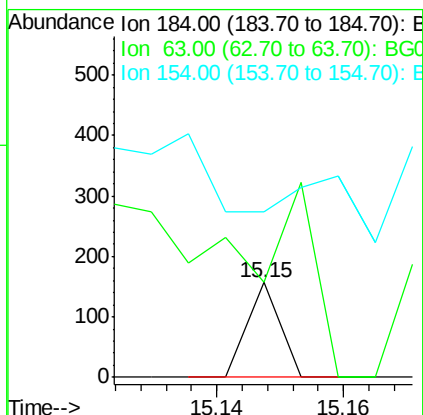
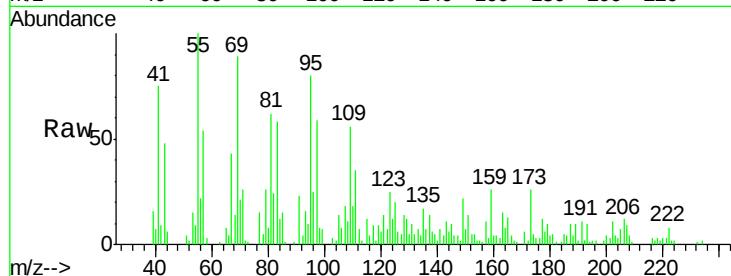




#54
 2,4-Dinitrophenol
 Concen: 7.084 ng
 RT: 15.15 min Scan# 2052
 Delta R.T. 0.47 min
 Lab File: BG046285.D
 Acq: 14 Aug 2020 21:22

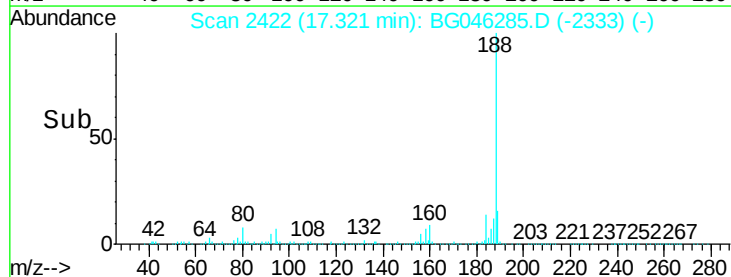
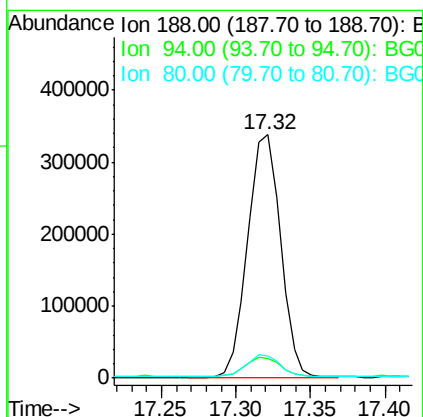
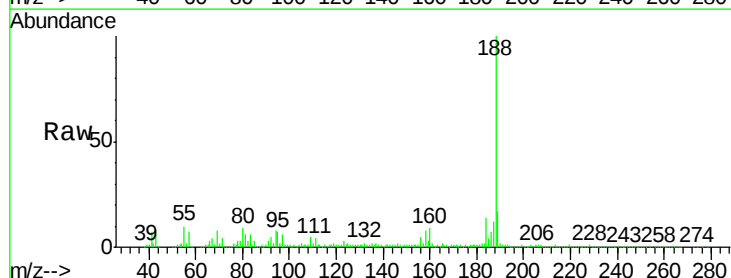
Instrument :
 BNA_G
 ClientSampleId :
 24051

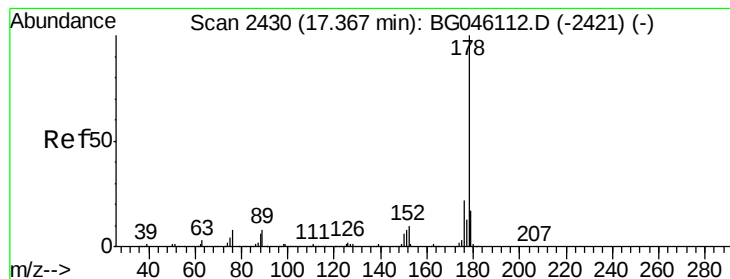
Tot Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 100.0 36.7 55.1#
 154 175.2 41.3 61.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.00 min
 Lab File: BG046285.D
 Acq: 14 Aug 2020 21:22

Tgt Ion:188 Resp: 515878
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.4 9.6
 80 9.0 7.4 11.0





#71

Phenanthrene

Concen: 8.367 ng

RT: 17.36 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Instrument :

BNA_G

ClientSampleId :

24051

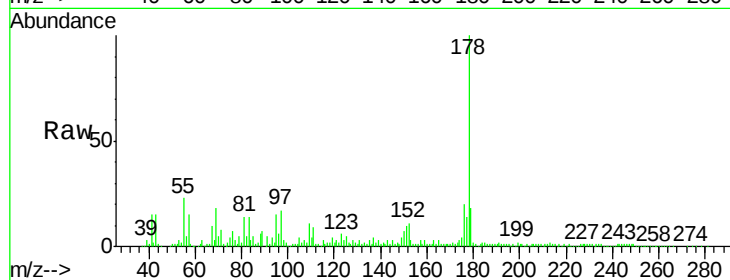
Tot Ion:178 Resp: 236443

Ion Ratio Lower Upper

178 100

176 20.3 17.3 25.9

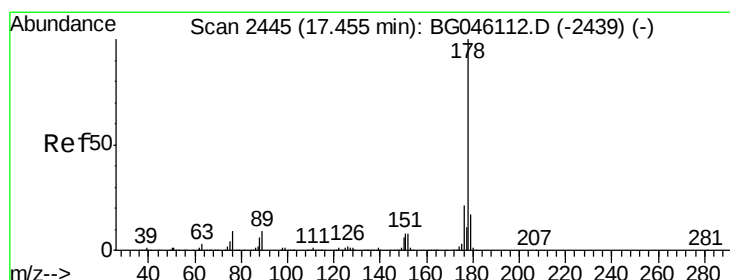
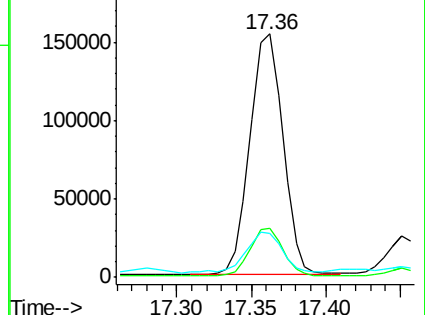
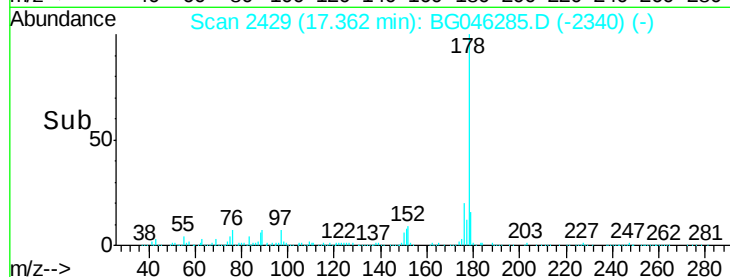
179 18.2 13.8 20.6



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



#72

Anthracene

Concen: 8.412 ng

RT: 17.36 min Scan# 2429

Delta R.T. -0.09 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

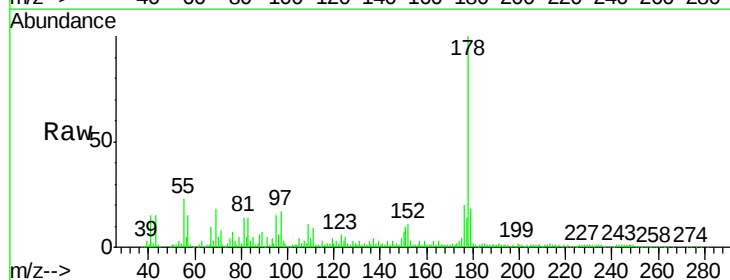
Tgt Ion:178 Resp: 236443

Ion Ratio Lower Upper

178 100

176 20.3 16.6 24.8

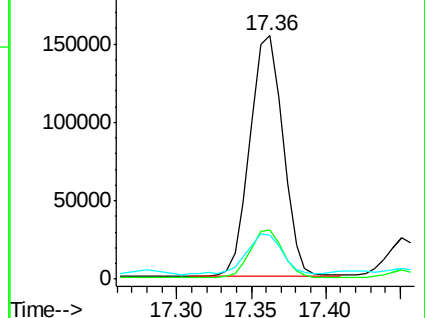
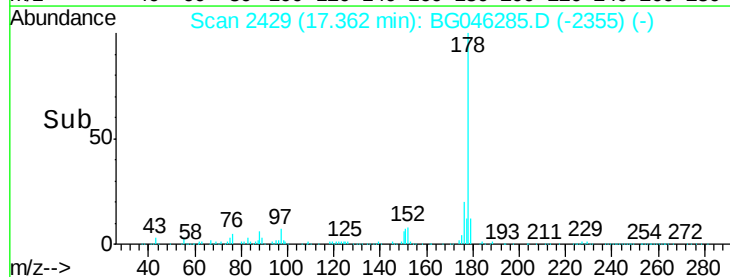
179 18.2 13.4 20.2

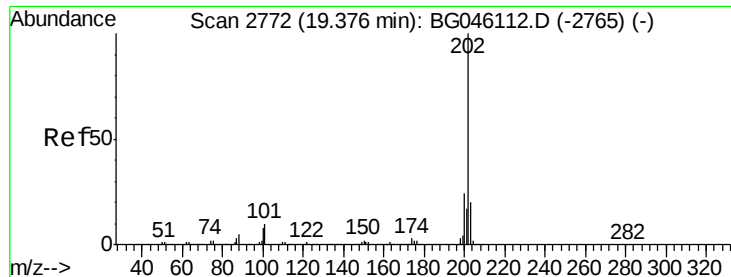


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 17.127 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Instrument :

BNA_G

ClientSampled :

24051

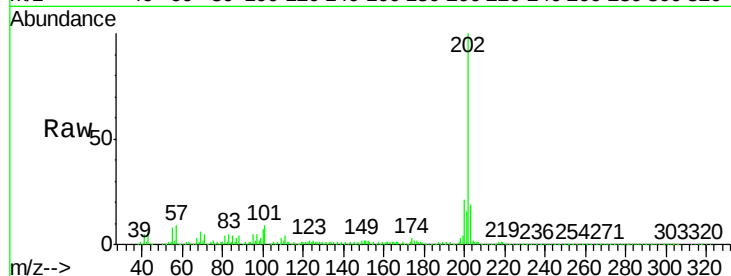
Tot Ion:202 Resp: 604237

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.0

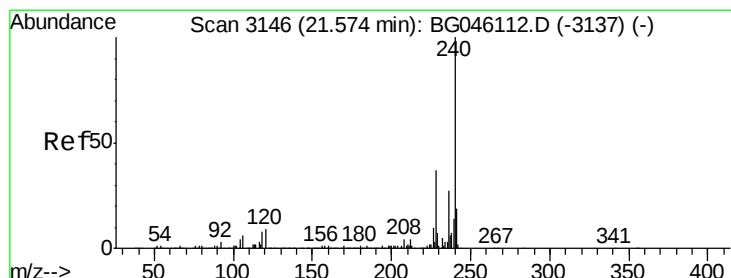
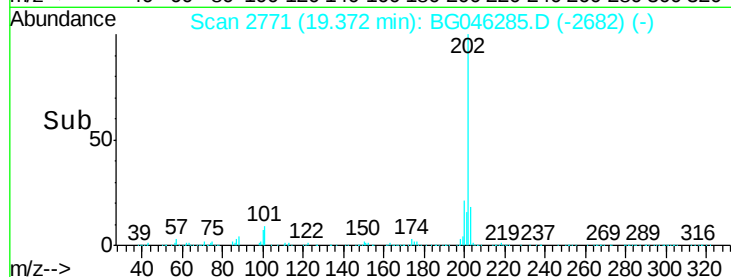
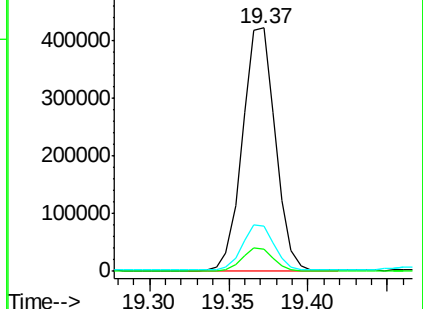
203 18.7 0.2 40.2



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: 21.56 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

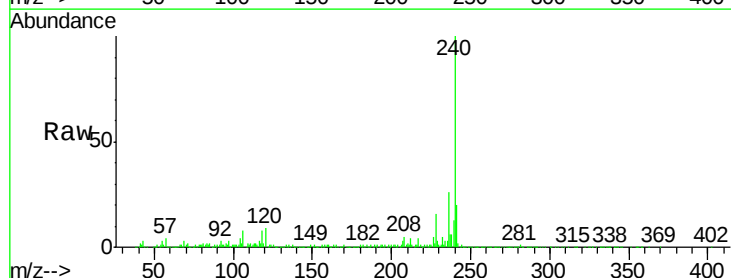
Tgt Ion:240 Resp: 560667

Ion Ratio Lower Upper

240 100

120 8.8 7.1 10.7

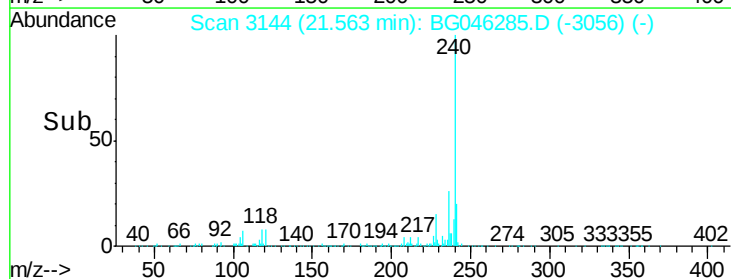
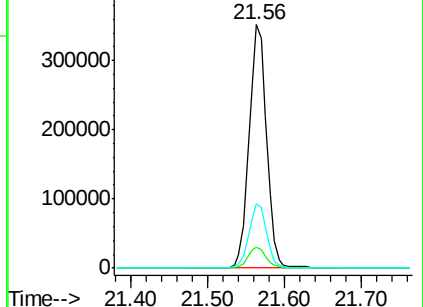
236 26.4 21.7 32.5

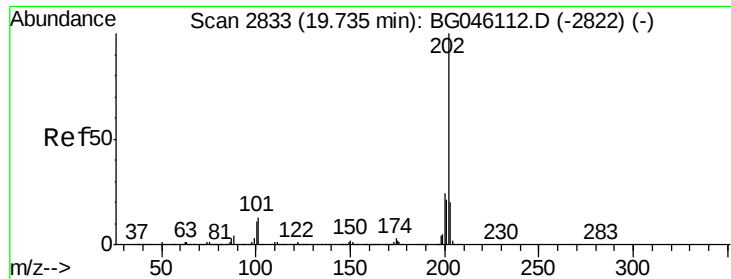


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 14.403 ng

RT: 19.73 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Instrument :

BNA_G

ClientSampleId :

24051

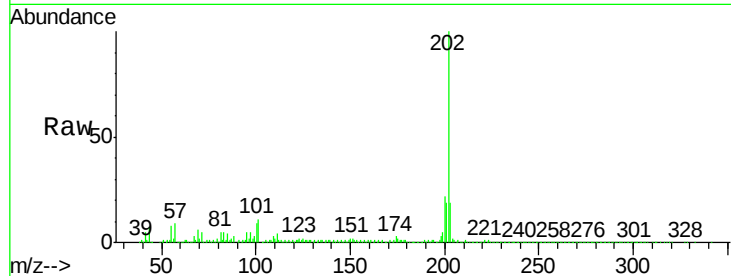
Tot Ion:202 Resp: 542579

Ion Ratio Lower Upper

202 100

200 22.2 19.5 29.3

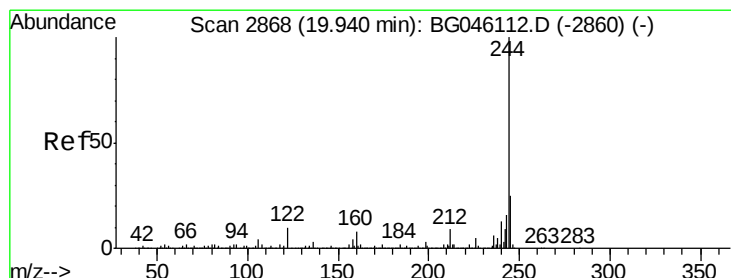
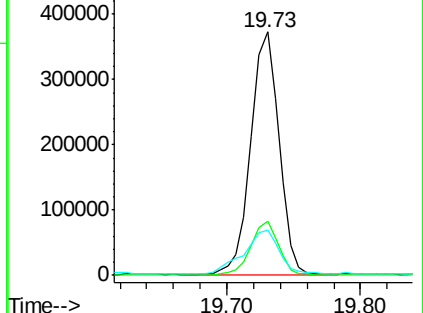
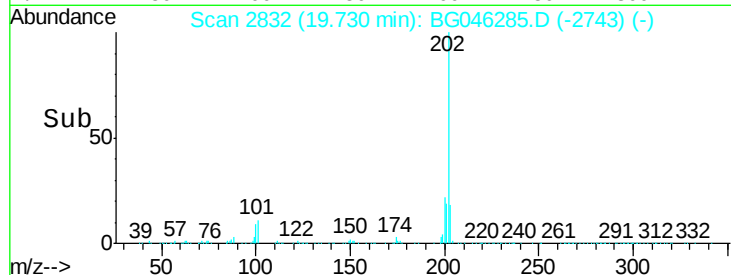
203 18.7 16.2 24.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 40.972 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

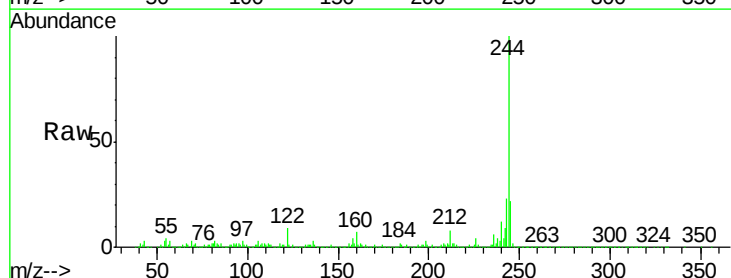
Tgt Ion:244 Resp: 1127934

Ion Ratio Lower Upper

244 100

212 8.0 7.2 10.8

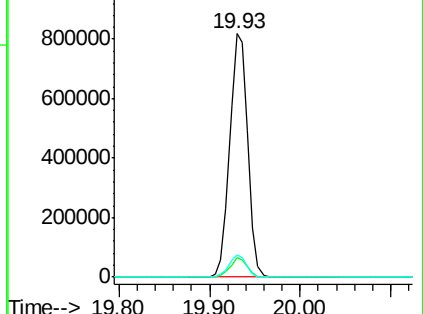
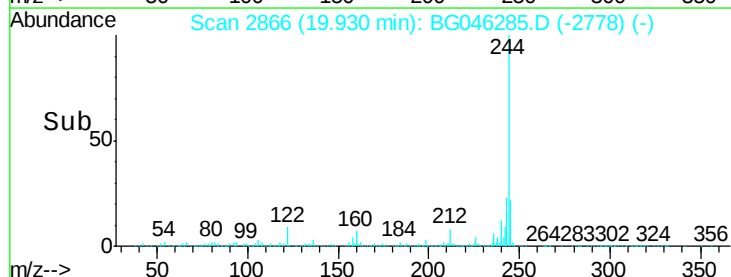
122 9.3 8.3 12.5

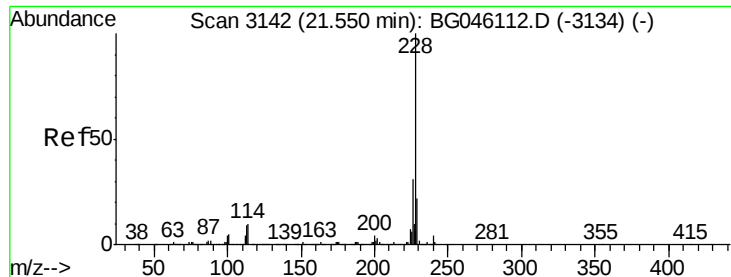


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 8.044 ng

RT: 21.55 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

Instrument :

BNA_G

ClientSampleId :

24051

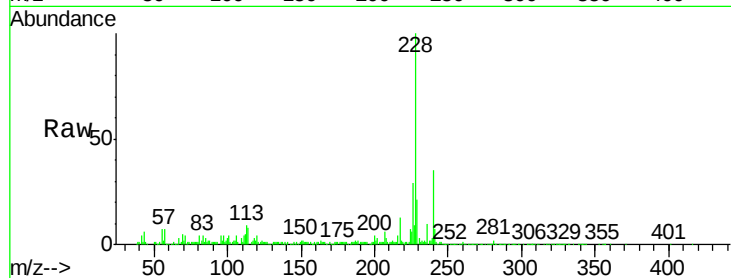
Tot Ion:228 Resp: 301825

Ion Ratio Lower Upper

228 100

226 28.8 24.7 37.1

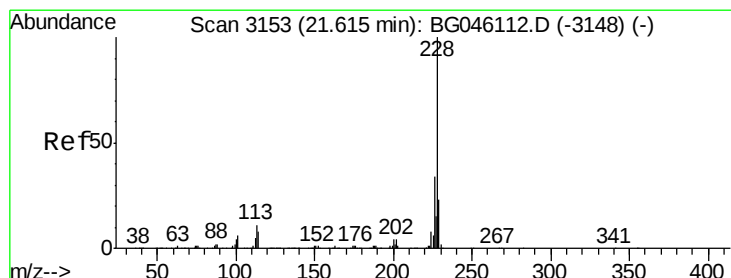
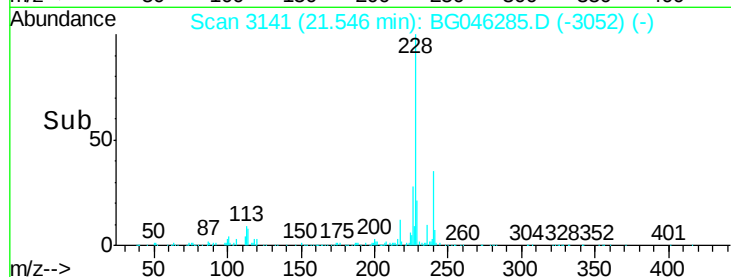
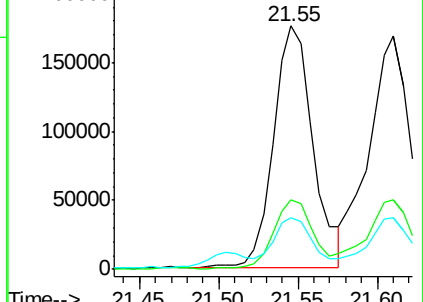
229 21.3 17.8 26.8



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: 8.279 ng

RT: 21.61 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG046285.D

Acq: 14 Aug 2020 21:22

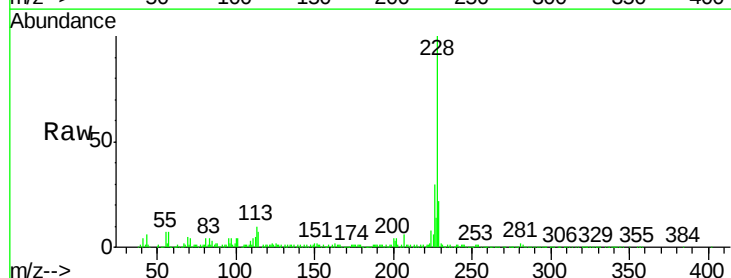
Tgt Ion:228 Resp: 304297

Ion Ratio Lower Upper

228 100

226 29.9 26.9 40.3

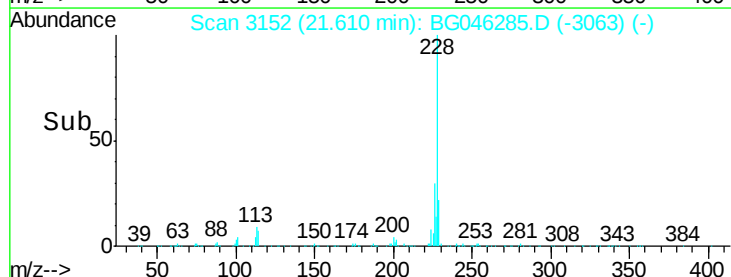
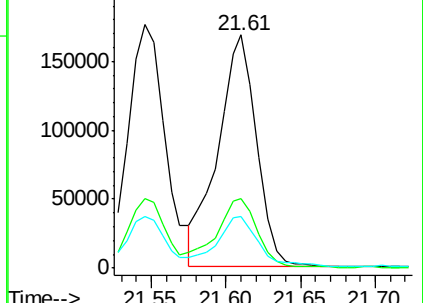
229 22.2 18.2 27.4

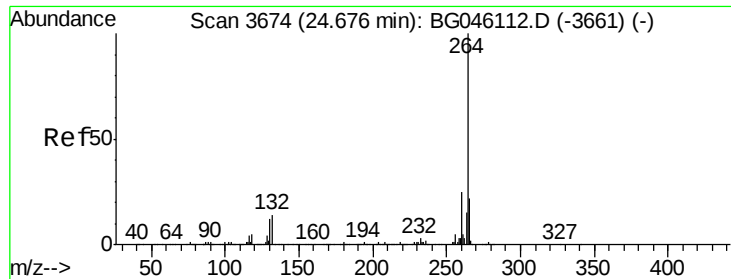


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

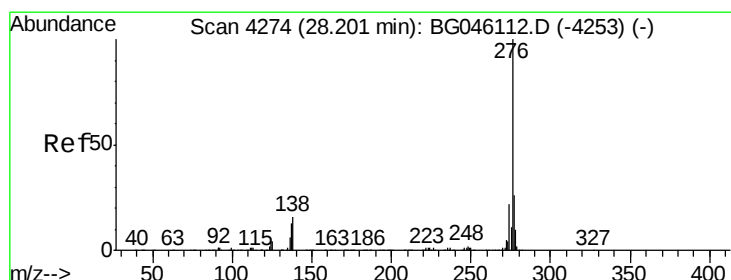
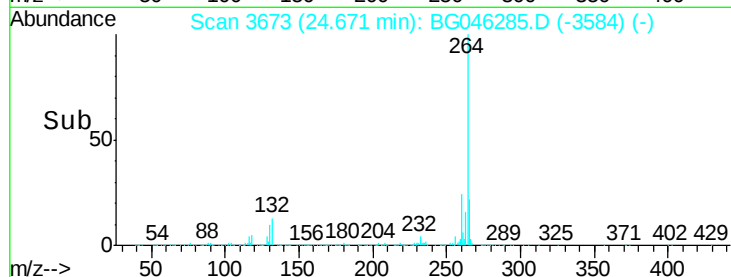
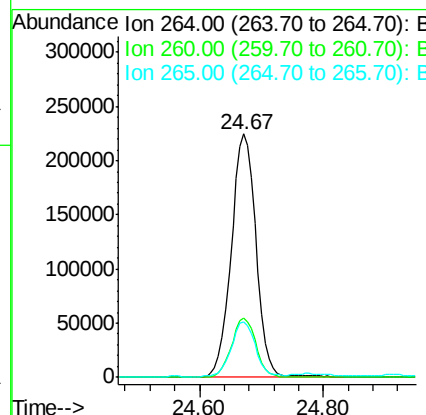
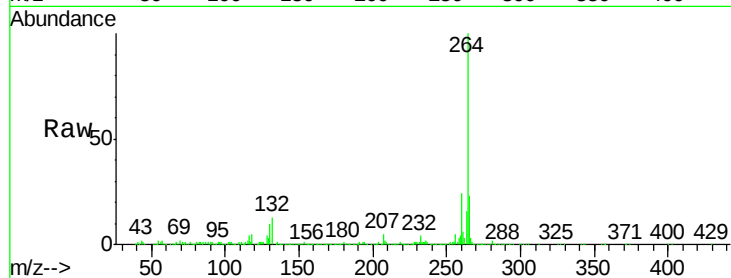




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.67 min Scan# 3673
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

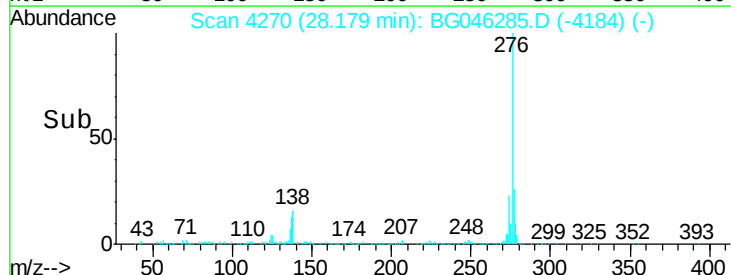
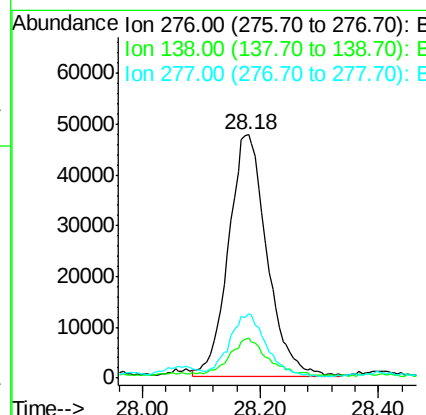
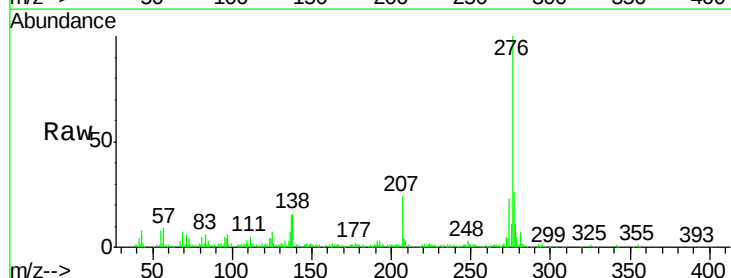
Instrument :
BNA_G
ClientSampleId :
24051

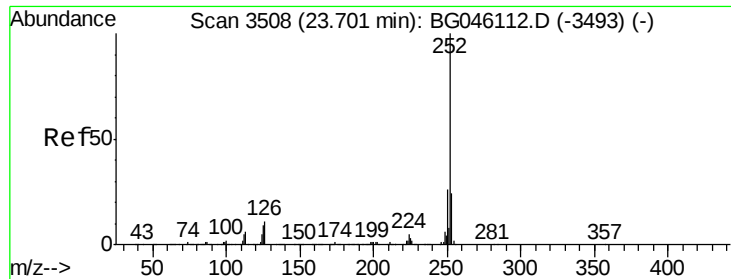
Tot Ion:264 Resp: 622245
Ion Ratio Lower Upper
264 100
260 24.4 19.7 29.5
265 22.6 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.571 ng
RT: 28.18 min Scan# 4270
Delta R.T. -0.02 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion:276 Resp: 216898
Ion Ratio Lower Upper
276 100
138 15.4 11.6 17.4
277 24.4 20.8 31.2

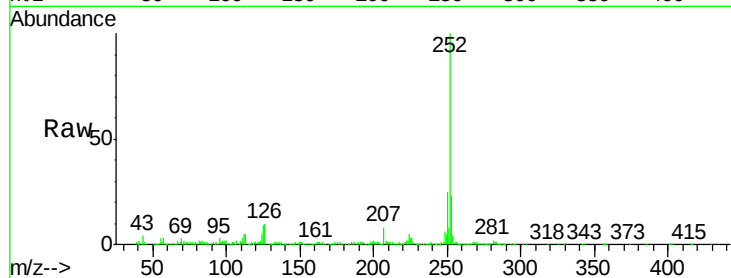




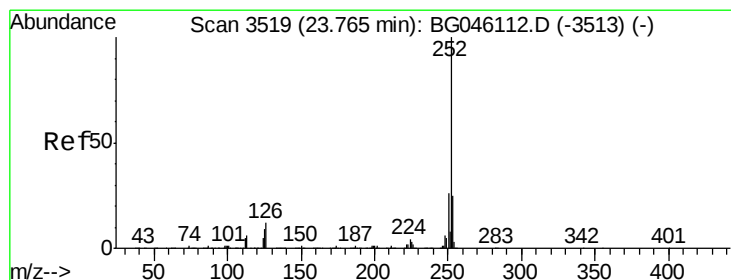
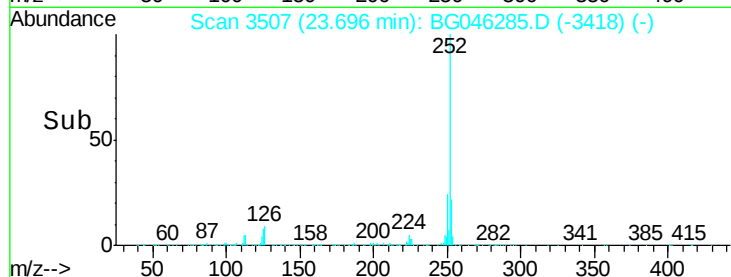
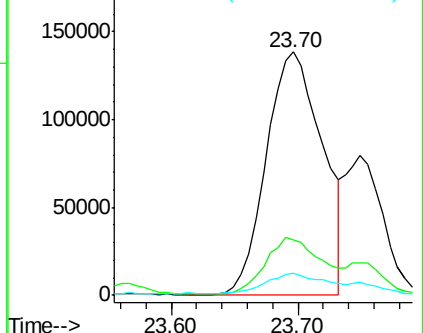
#88
Benzo(b)fluoranthene
Concen: 10.200 ng
RT: 23.70 min Scan# 3507
Delta R.T. -0.00 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	8.9	7.2	10.8

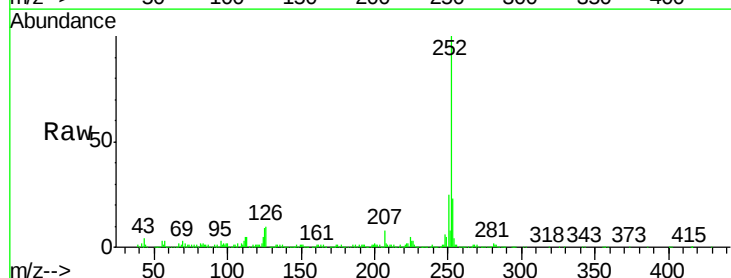


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

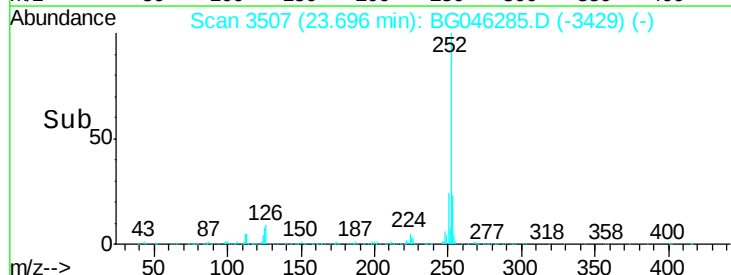
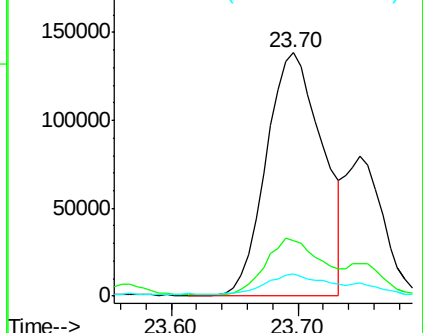


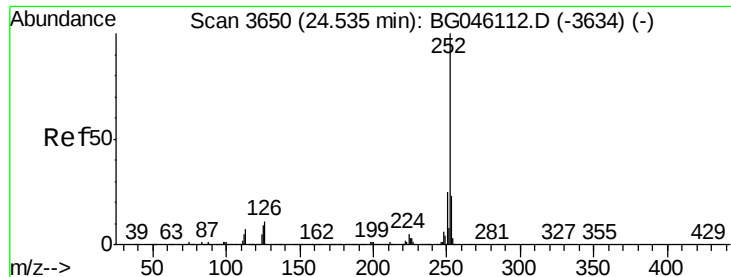
#89
Benzo(k)fluoranthene
Concen: 10.400 ng
RT: 23.70 min Scan# 3507
Delta R.T. -0.07 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.5	29.3
125	8.9	7.3	10.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

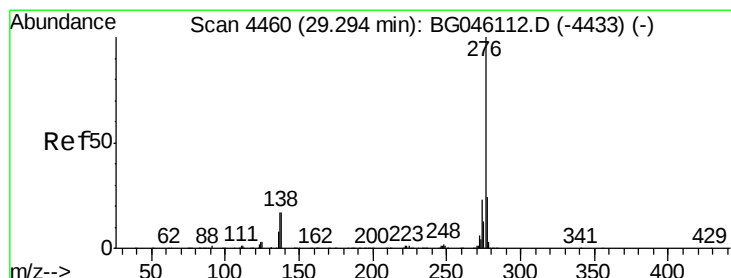
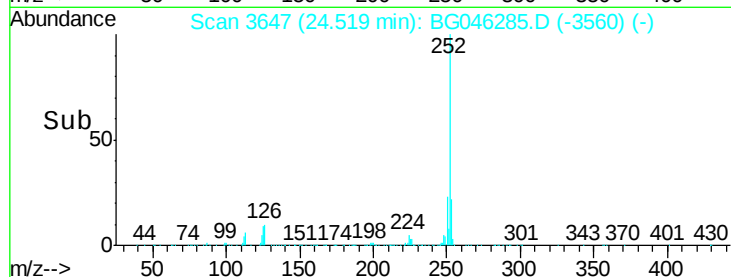
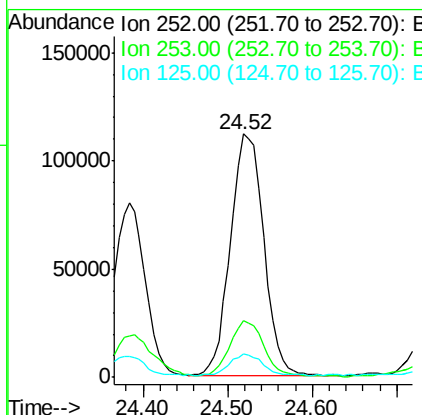
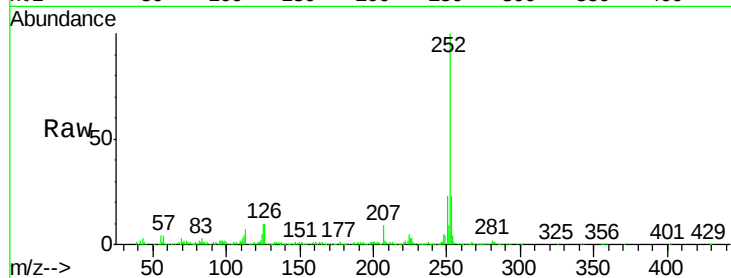




#90
Benzo(a)pyrene
Concen: 7.857 ng
RT: 24.52 min Scan# 3647
Delta R.T. -0.02 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Instrument :
BNA_G
ClientSampleId :
24051

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	27.8
125	9.7	7.1	10.7



#92
Benzo(g,h,i)perylene
Concen: 5.094 ng
RT: 29.27 min Scan# 4455
Delta R.T. -0.03 min
Lab File: BG046285.D
Acq: 14 Aug 2020 21:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.5	29.3
138	15.3	13.8	20.6

