

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
 Data File : BG046291.D
 Acq On : 15 Aug 2020 1:25
 Operator : CG/JU
 Sample : L3660-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 7211979

Quant Time: Aug 17 00:50:16 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	111695	20.00	ng	0.00
21) Naphthalene-d8	10.74	136	466119	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	302444	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	632051	20.00	ng	0.00
76) Chrysene-d12	21.57	240	600678	20.00	ng	0.00
86) Perylene-d12	24.68	264	644697	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	515537	80.24	ng	0.00
7) Phenol-d6	7.12	99	685697	78.30	ng	0.00
23) Nitrobenzene-d5	9.10	82	475969	55.29	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	365192	78.61	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	1153508	55.40	ng	0.00
79) Terphenyl-d14	19.93	244	1371496	46.50	ng	0.00

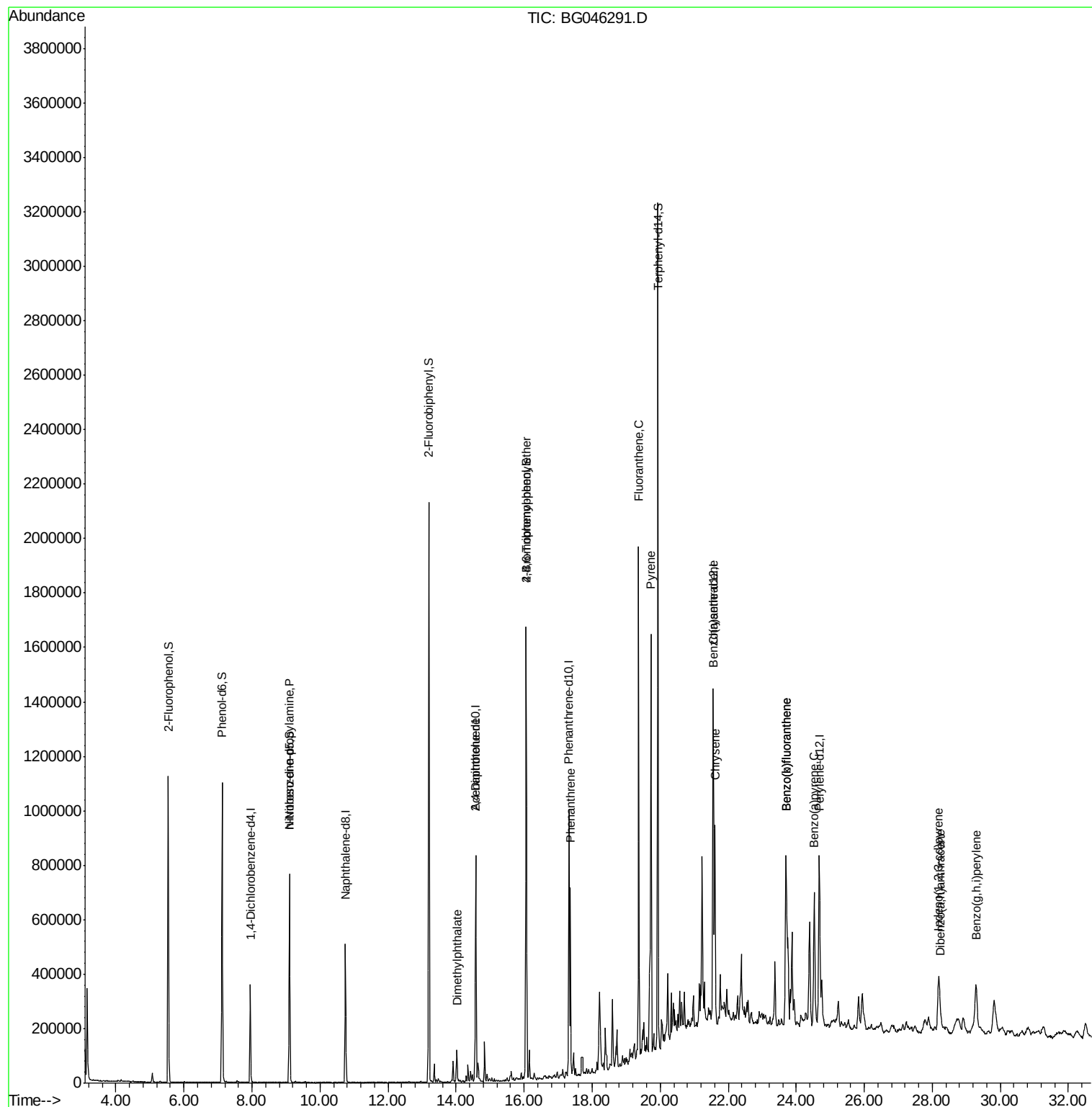
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.10	70	61966	10.873	ng	# 76
50) Dimethylphthalate	14.03	163	79573	3.428	ng	98
57) 2,4-Dinitrotoluene	14.57	165	40955	5.514	ng	# 29
67) 4-Bromophenyl-phenylether	16.06	248	22353	2.863	ng	# 1
71) Phenanthrene	17.36	178	438489	12.665	ng	97
75) Fluoranthene	19.37	202	1177290	27.236	ng	99
78) Pyrene	19.73	202	1011022	25.050	ng	98
81) Benzo(a)anthracene	21.55	228	492411	12.250	ng	98
83) Chrysene	21.61	228	557660	14.162	ng	99
87) Indeno(1,2,3-cd)pyrene	28.19	276	409411	8.327	ng	96
88) Benzo(b)fluoranthene	23.70	252	805595	18.647	ng	99
89) Benzo(k)fluoranthene	23.70	252	805595	19.011	ng	98
90) Benzo(a)pyrene	24.53	252	553970	13.780	ng	99
91) Dibenzo(a,h)anthracene	28.24	278	85543	2.081	ng	95
92) Benzo(a,h,i)perylene	29.29	276	396226	9.545	ng	98

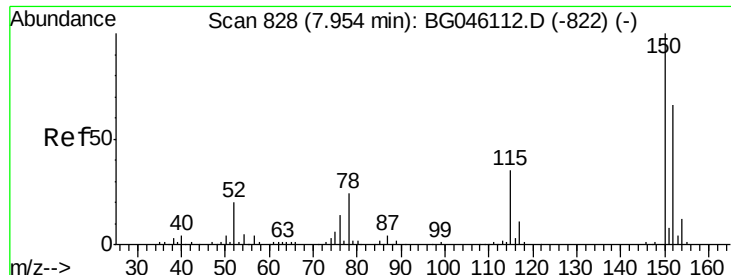
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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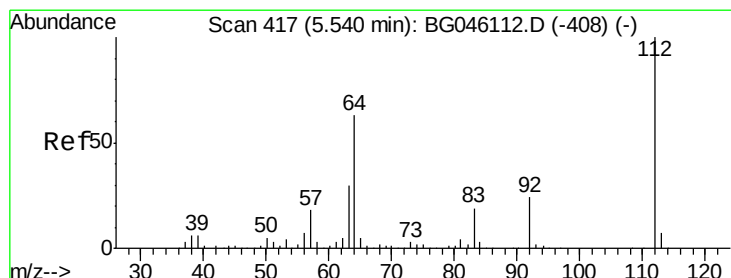
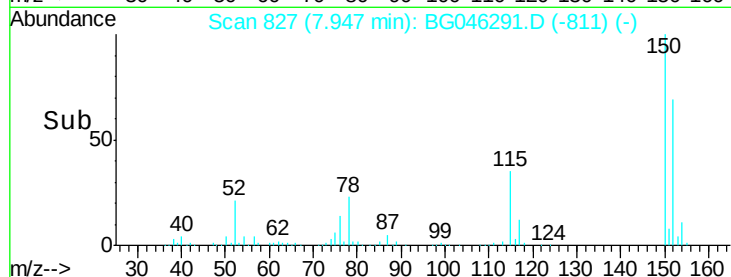
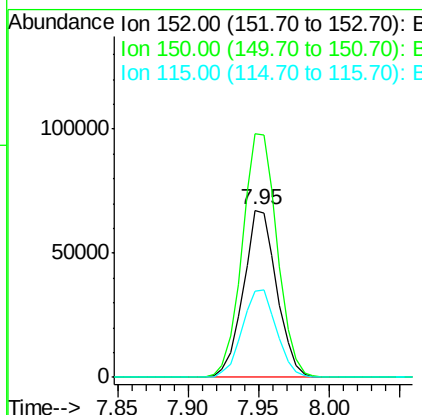
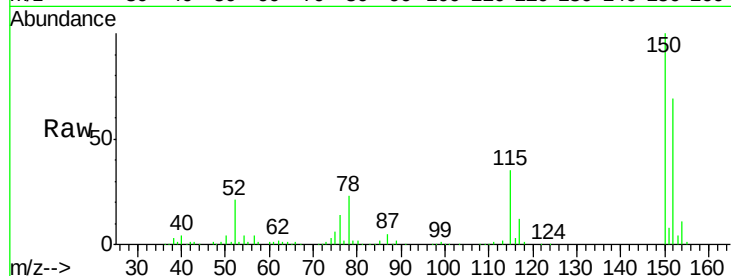


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

Instrument :
BNA_G
ClientSampleID :
7211979

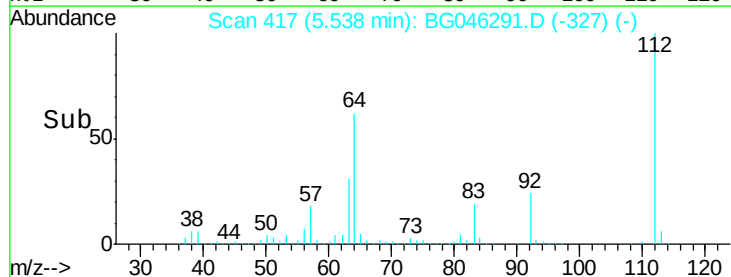
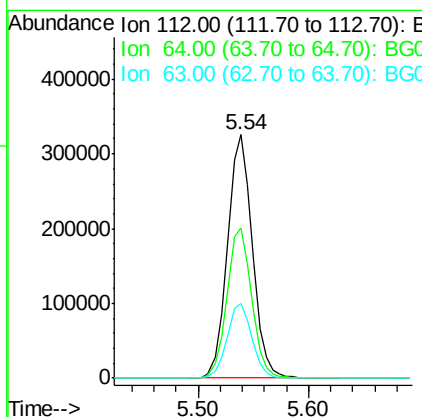
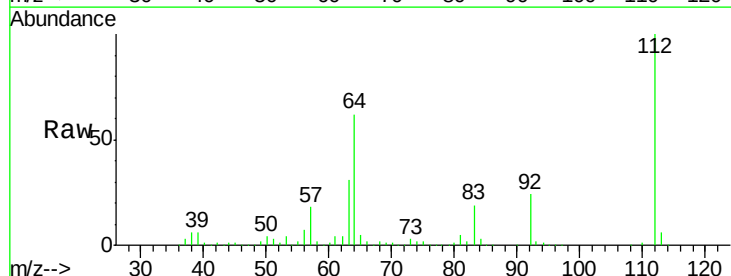
Tot Ion:152 Resp: 111695
Ion Ratio Lower Upper
152 100
150 145.7 122.1 183.1
115 51.7 43.2 64.8

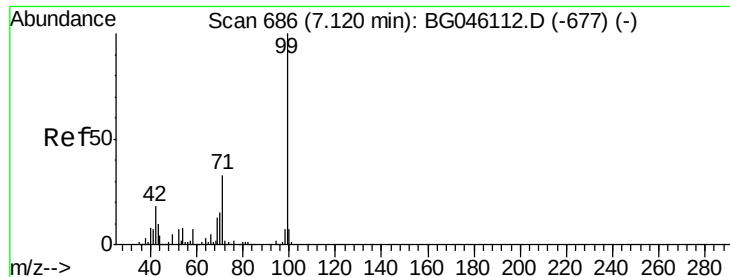


#5

2-Fluorophenol
Concen: 80.236 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

Tgt Ion:112 Resp: 515537
Ion Ratio Lower Upper
112 100
64 61.7 50.2 75.2
63 30.8 24.2 36.4





#7

Phenol-d6

Concen: 78.305 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

Instrument :

BNA_G

ClientSampleId :

7211979

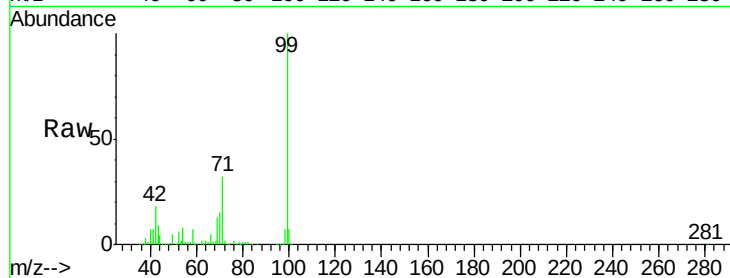
Tot Ion: 99 Resp: 685697

Ion Ratio Lower Upper

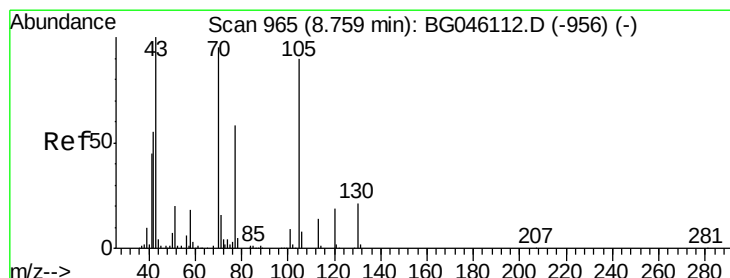
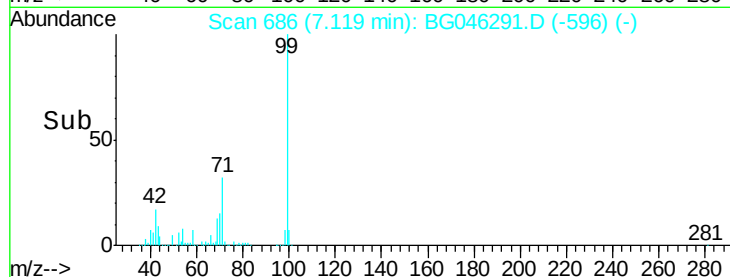
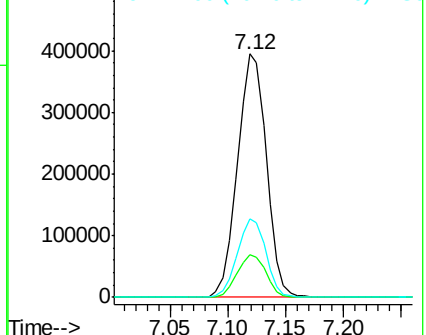
99 100

42 17.5 14.7 22.1

71 32.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 10.873 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

Tgt Ion: 70 Resp: 61966

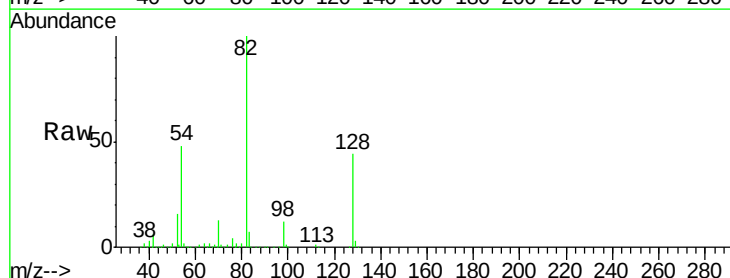
Ion Ratio Lower Upper

70 100

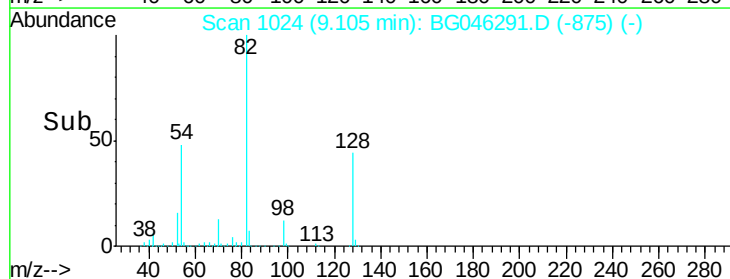
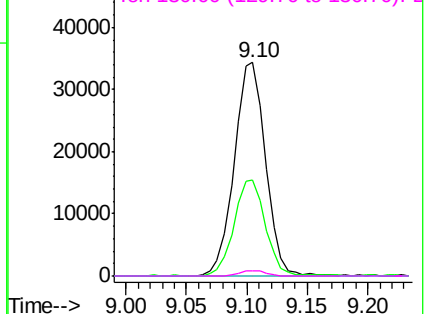
42 44.9 46.5 69.7#

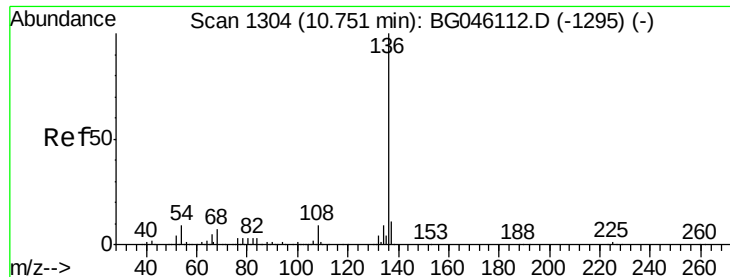
101 0.0 7.6 11.4#

130 2.4 17.3 25.9#



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

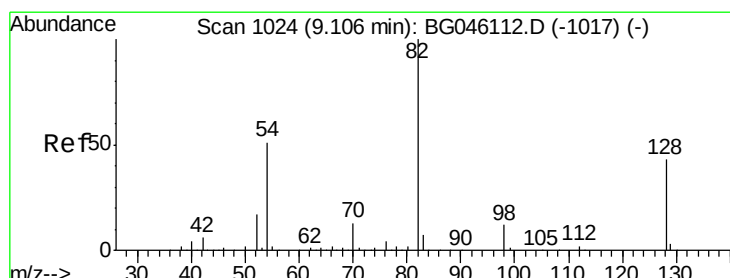
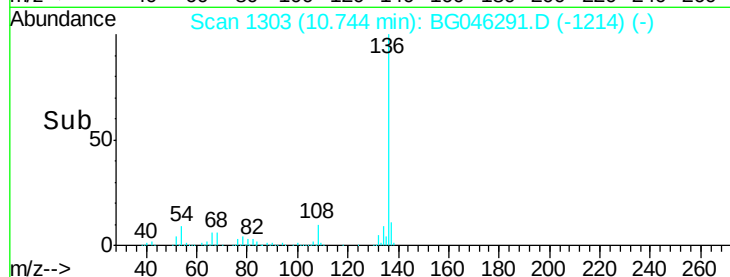
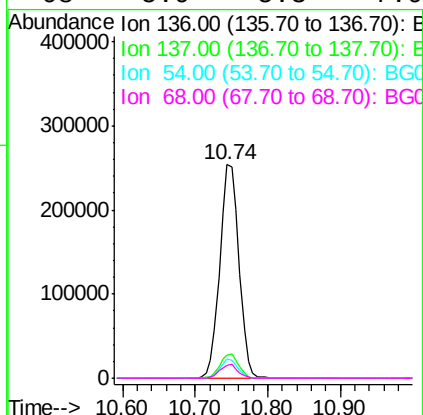
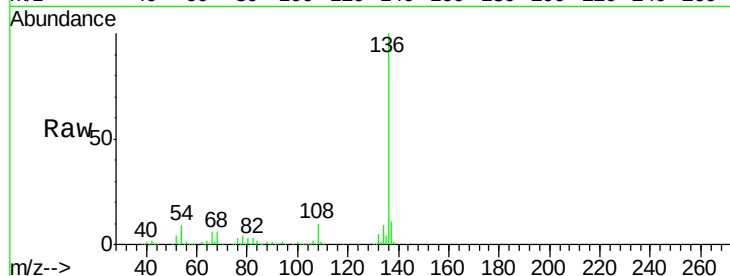




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

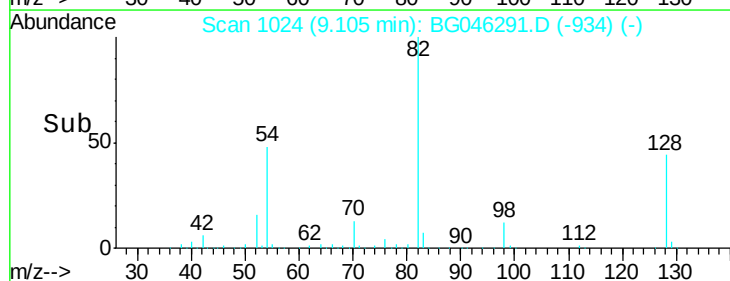
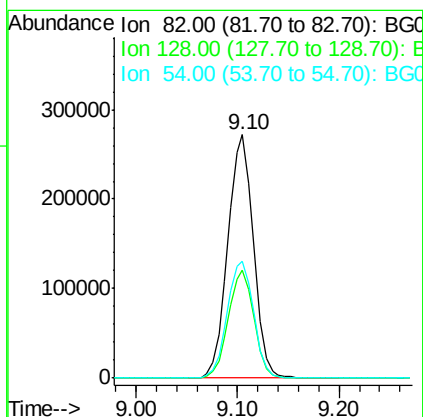
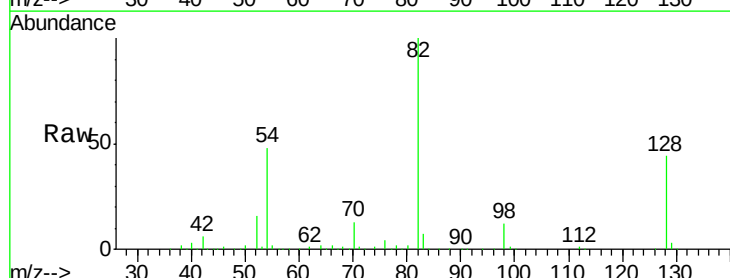
Instrument :
BNA_G
ClientSampleId :
7211979

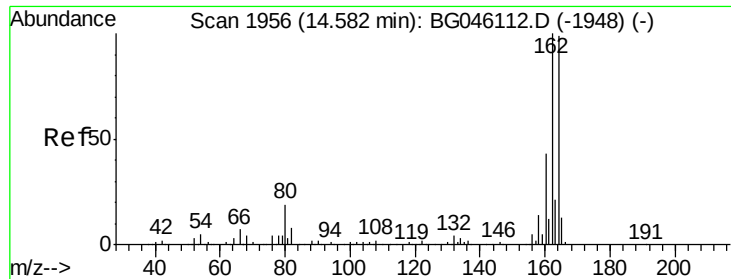
Tot Ion:136	Resp:	466119
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	8.8	7.0 10.4
68	5.9	5.3 7.9



#23
Nitrobenzene-d5
Concen: 55.287 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

Tgt Ion: 82	Resp:	475969
Ion	Ratio	Lower Upper
82	100	
128	44.2	34.4 51.6
54	47.8	40.8 61.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

Instrument :

BNA_G

ClientSampleId :

7211979

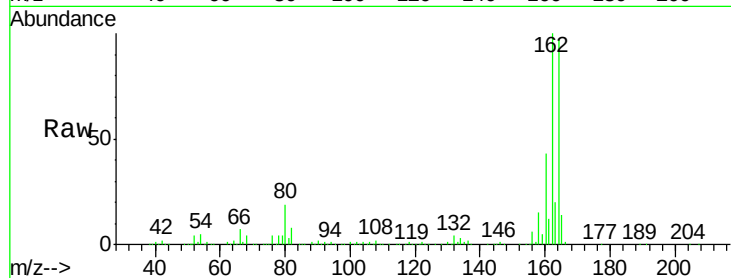
Tot Ion:164 Resp: 302444

Ion Ratio Lower Upper

164 100

162 103.4 80.6 121.0

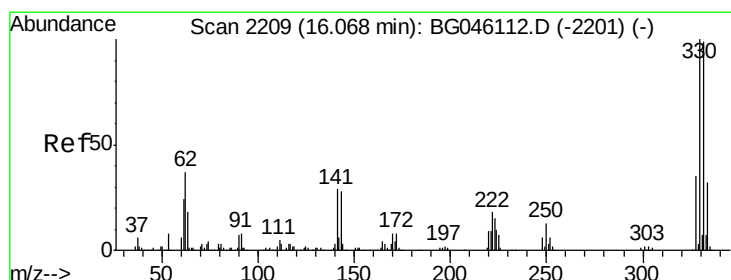
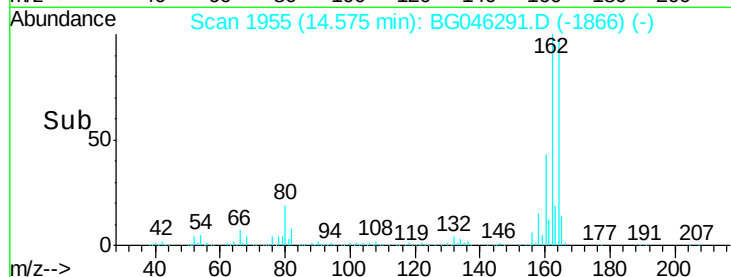
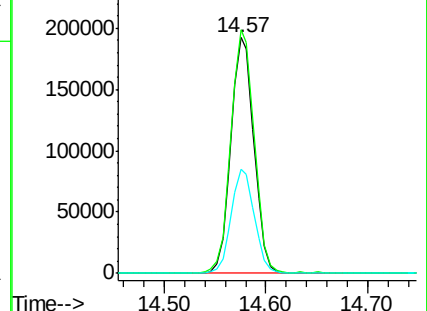
160 44.1 34.9 52.3



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: 78.612 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

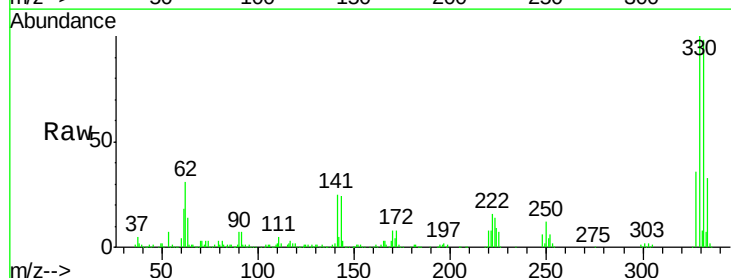
Tgt Ion:330 Resp: 365192

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.2

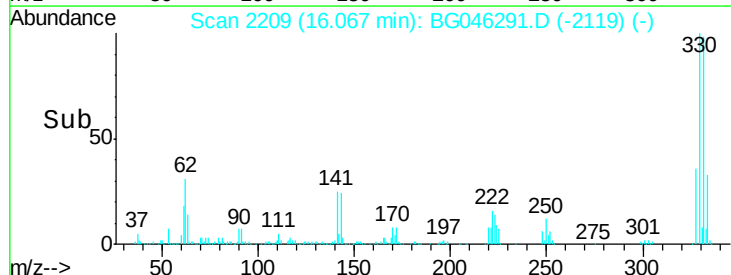
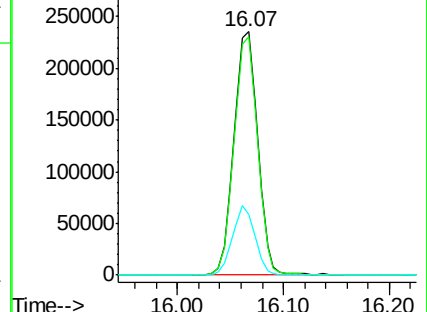
141 27.0 23.4 35.0

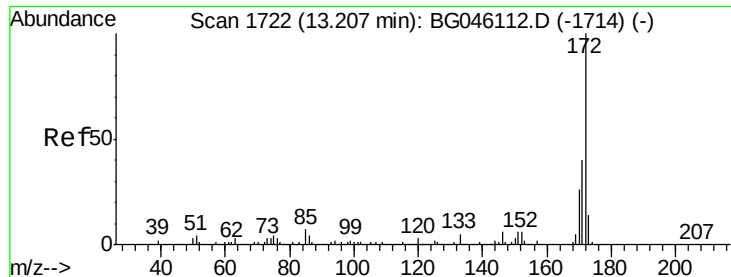


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



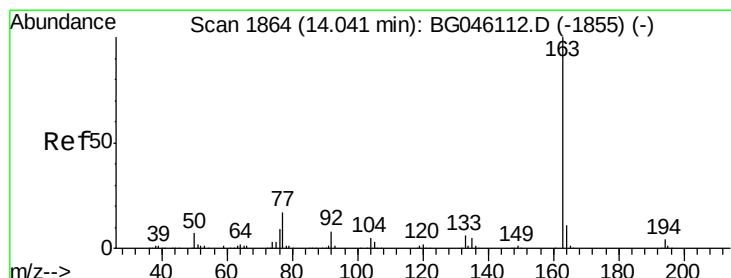
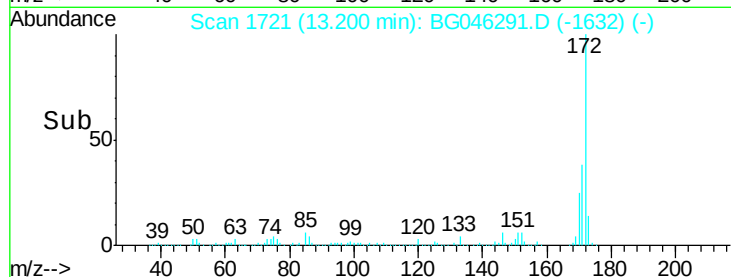
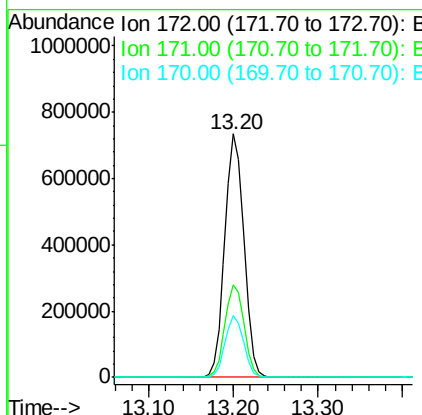
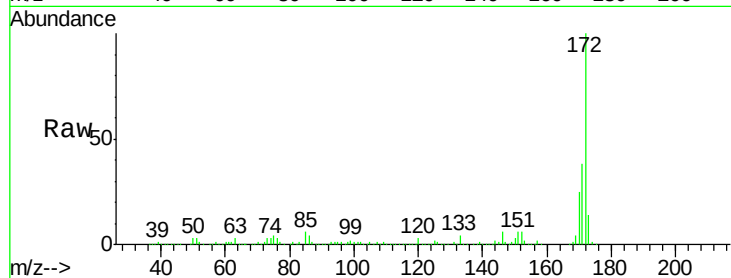


#45
 2-Fluorobiphenyl
 Concen: 55.403 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.01 min
 Lab File: BG046291.D
 Acq: 15 Aug 2020 1:25

Instrument :
 BNA_G
 ClientSampleID :
 7211979

Tot Ion:172 Resp: 1153508

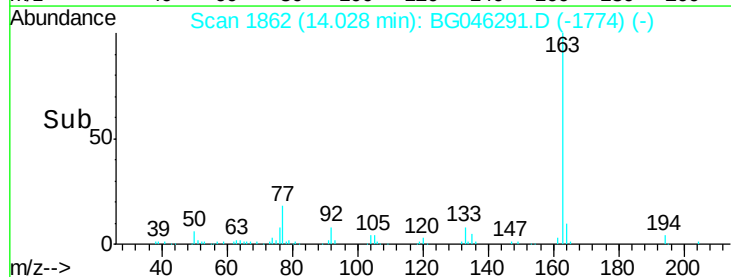
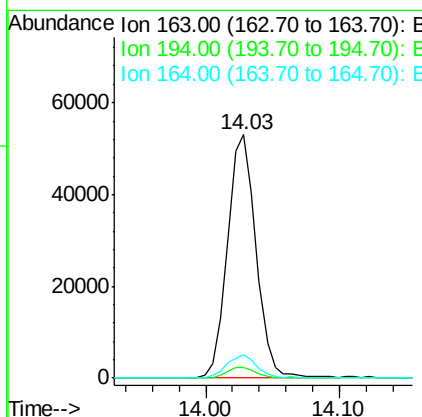
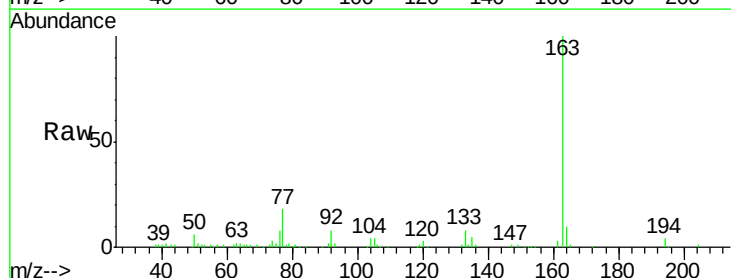
Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.7	47.5
170	25.2	20.9	31.3

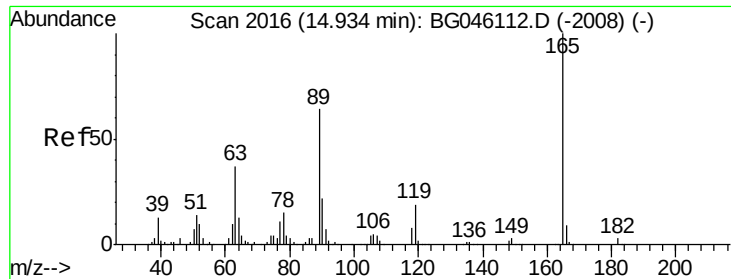


#50
 Dimethylphthalate
 Concen: 3.428 ng
 RT: 14.03 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: BG046291.D
 Acq: 15 Aug 2020 1:25

Tgt Ion:163 Resp: 79573

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	9.9	8.8	13.2

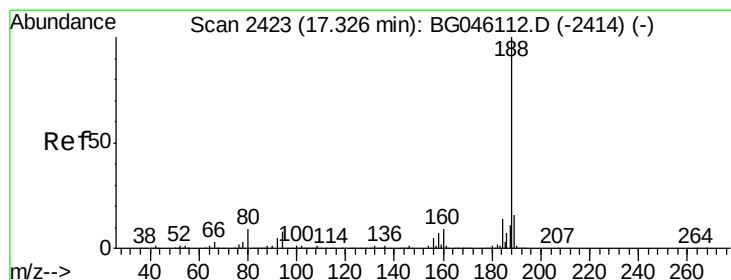
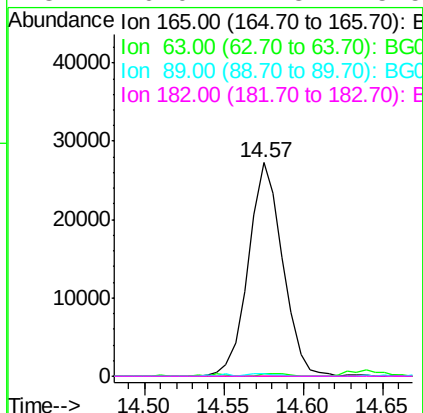
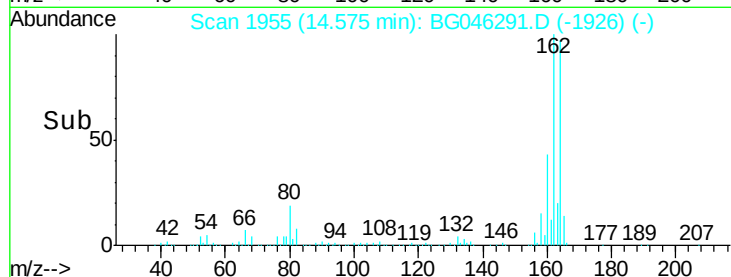
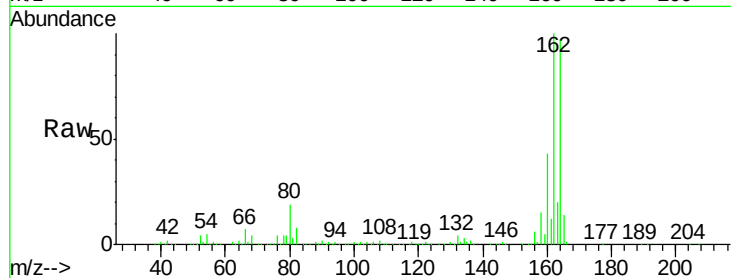




#57
2,4-Dinitrotoluene
Concen: 5.514 ng
RT: 14.57 min Scan# 1955
Delta R.T. -0.36 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

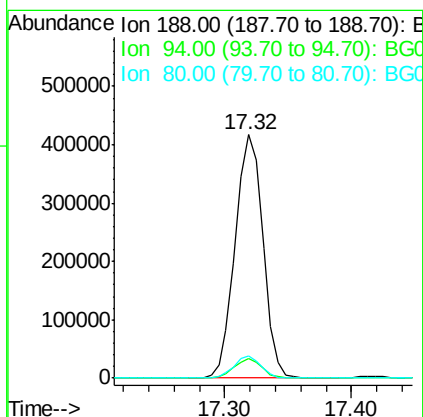
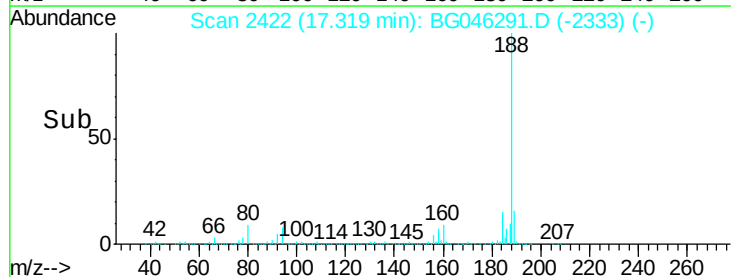
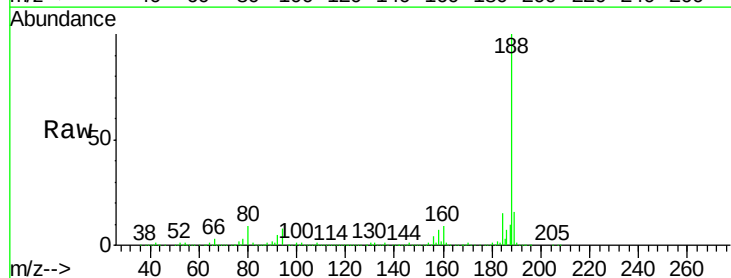
Instrument :
BNA_G
ClientSampleId :
7211979

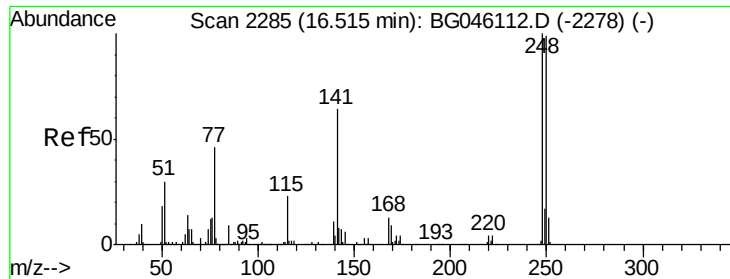
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.1	45.1#
89	1.3	51.4	77.2#
182	0.0	2.3	3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

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

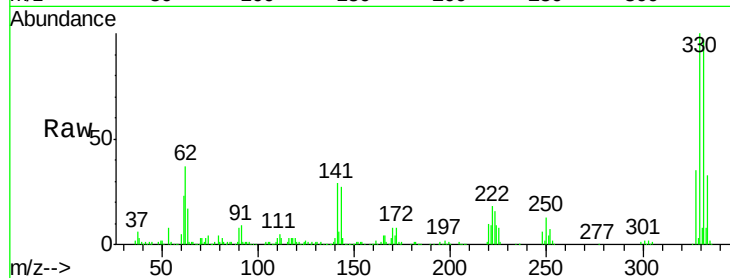




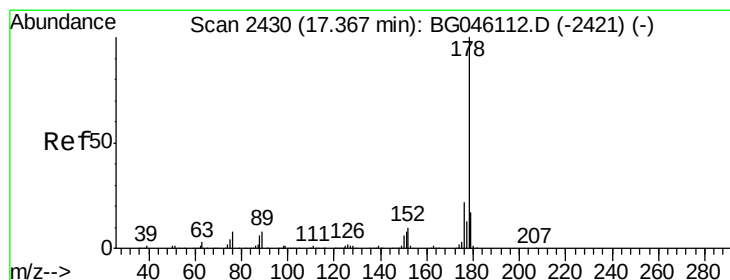
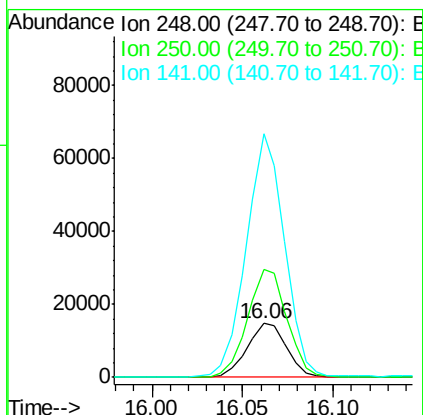
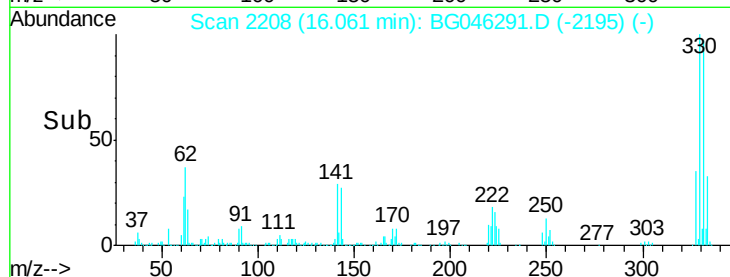
#67
 4-Bromophenyl-phenylether
 Concen: 2.863 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.45 min
 Lab File: BG046291.D
 Acq: 15 Aug 2020 1:25

Instrument :
 BNA_G
 ClientSampleId :
 7211979

Tot Ion:248 Resp: 22353
 Ion Ratio Lower Upper
 248 100
 250 199.0 79.4 119.0#
 141 450.8 50.9 76.3#

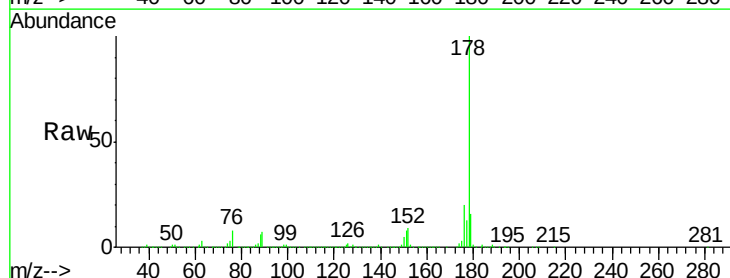


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

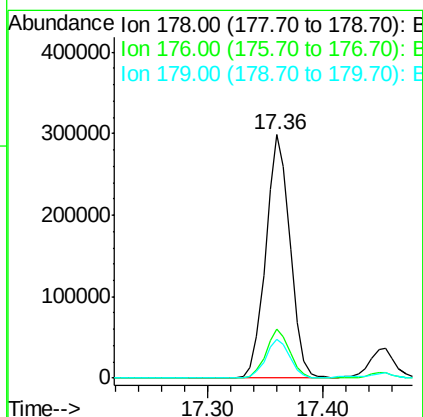
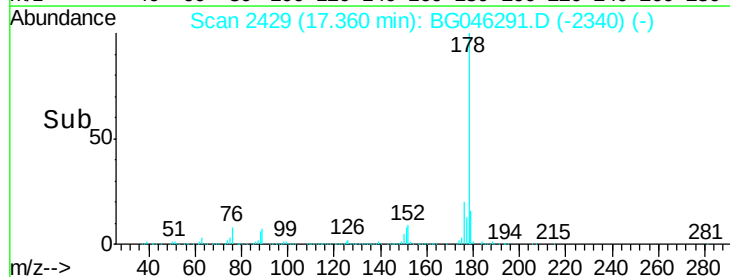


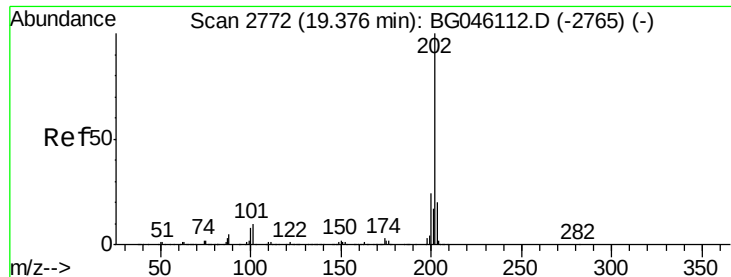
#71
 Phenanthrene
 Concen: 12.665 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BG046291.D
 Acq: 15 Aug 2020 1:25

Tgt Ion:178 Resp: 438489
 Ion Ratio Lower Upper
 178 100
 176 19.9 17.3 25.9
 179 15.7 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





#75

Fluoranthene

Concen: 27.236 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

Instrument :

BNA_G

ClientSampleId :

7211979

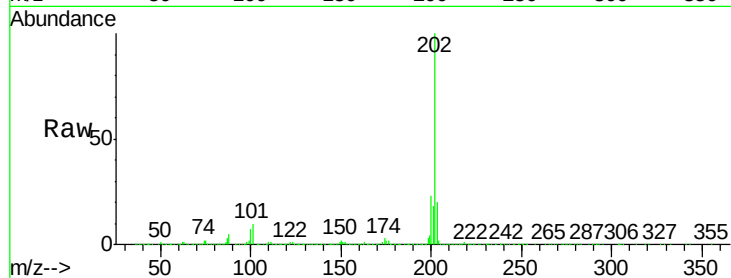
Tot Ion:202 Resp: 1177290

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.0

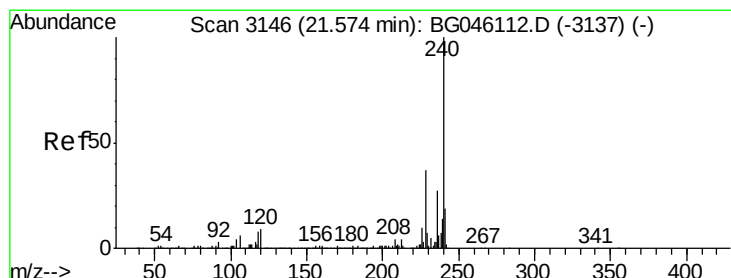
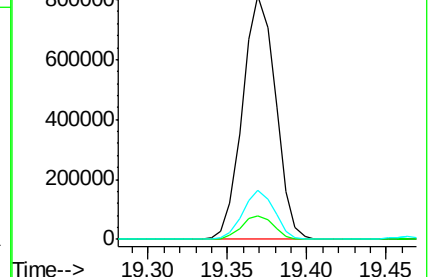
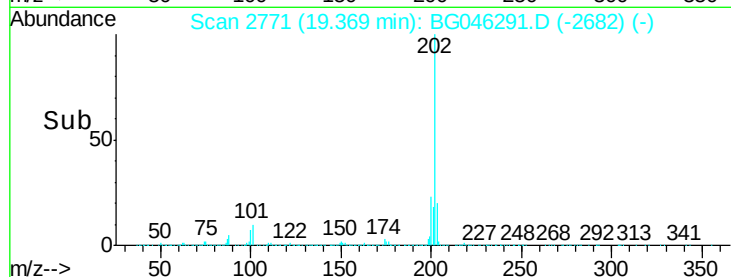
203 20.0 0.2 40.2



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: 21.57 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

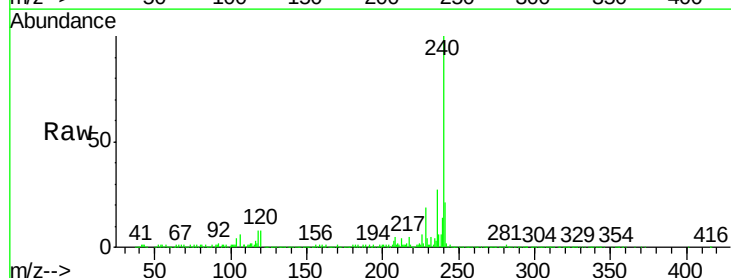
Tgt Ion:240 Resp: 600678

Ion Ratio Lower Upper

240 100

120 8.1 7.1 10.7

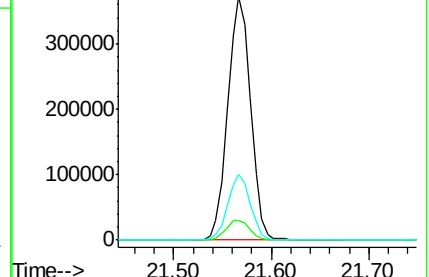
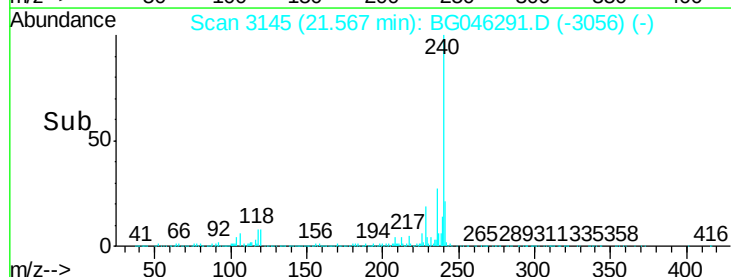
236 27.0 21.7 32.5

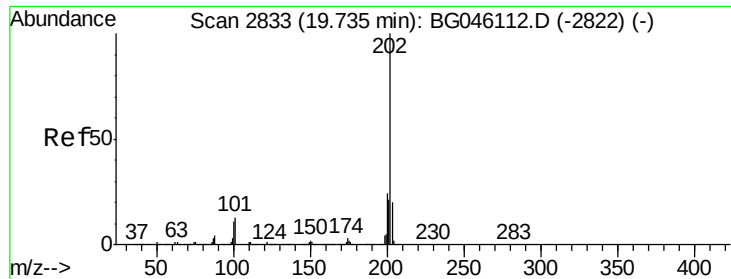


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

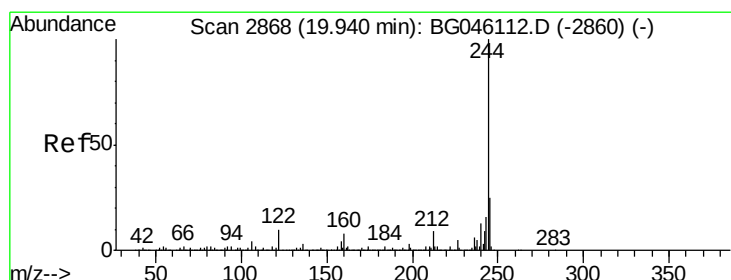
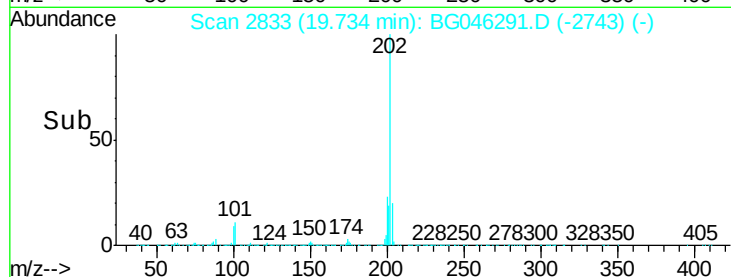
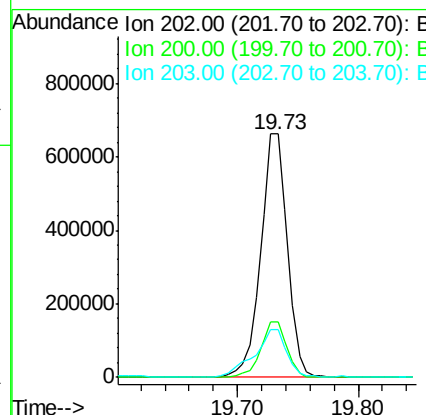
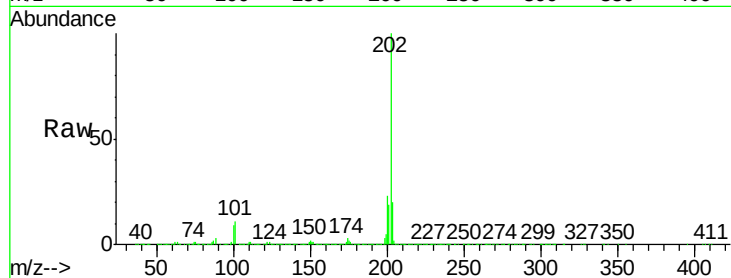




#78
Pvrene
Concen: 25.050 ng
RT: 19.73 min Scan# 2833
Delta R.T. -0.00 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

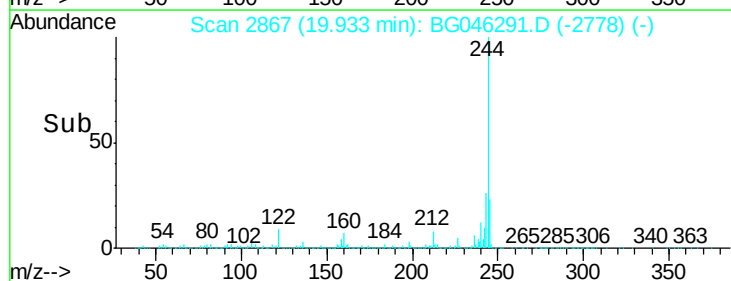
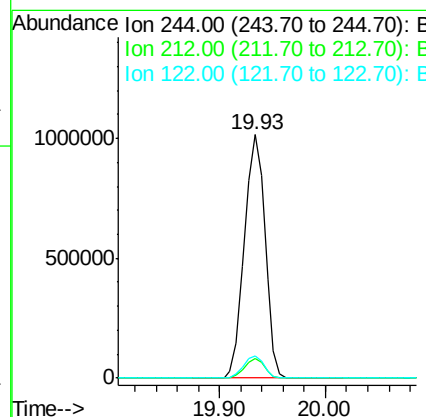
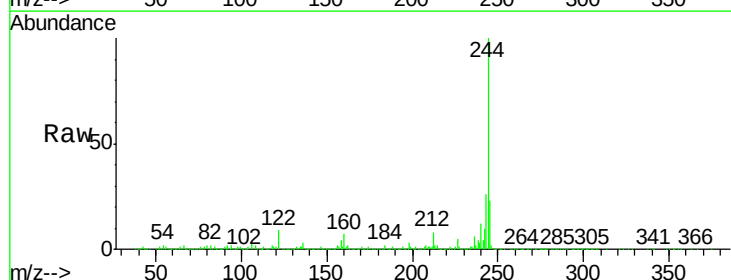
Instrument :
BNA_G
ClientSampleId :
7211979

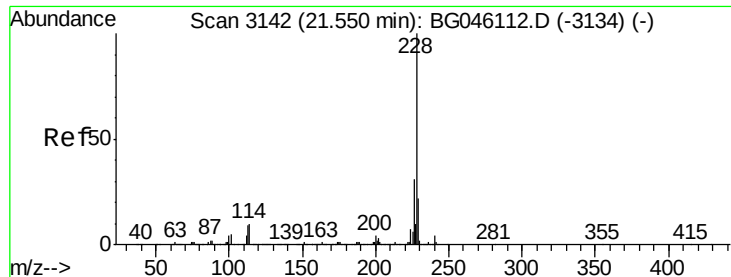
Tot Ion:202 Resp: 1011022
Ion Ratio Lower Upper
202 100
200 22.9 19.5 29.3
203 19.7 16.2 24.2



#79
Terphenyl-d14
Concen: 46.501 ng
RT: 19.93 min Scan# 2867
Delta R.T. -0.01 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

Tgt Ion:244 Resp: 1371496
Ion Ratio Lower Upper
244 100
212 7.9 7.2 10.8
122 9.3 8.3 12.5





#81

Benzo(a)anthracene

Concen: 12.250 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

Instrument :

BNA_G

ClientSampleId :

7211979

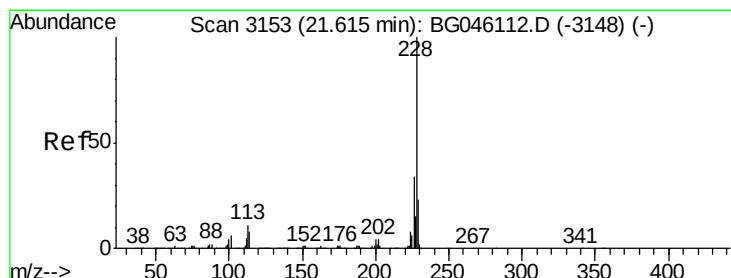
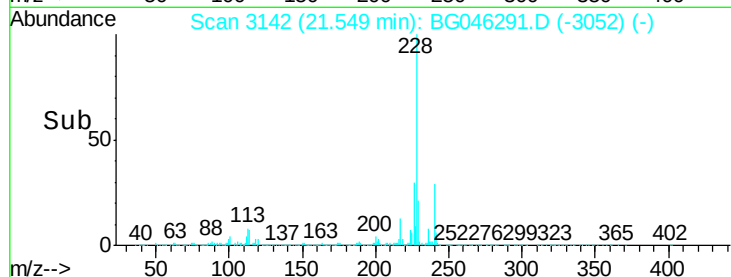
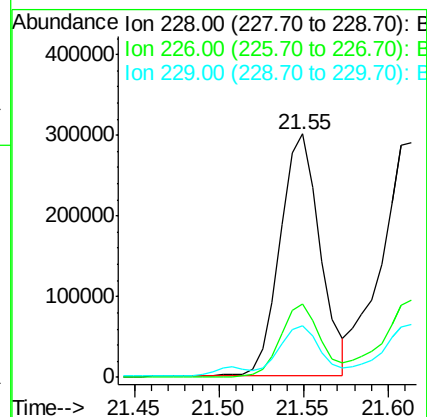
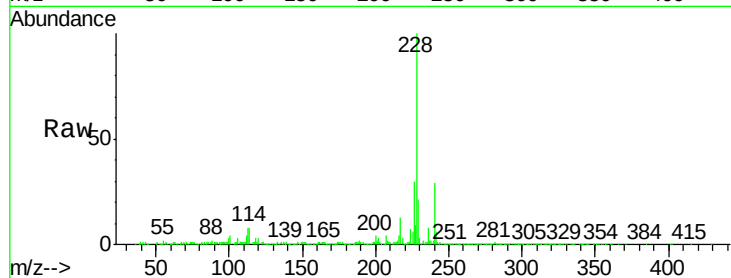
Tot Ion:228 Resp: 492411

Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

229 21.1 17.8 26.8



#83

Chrysene

Concen: 14.162 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

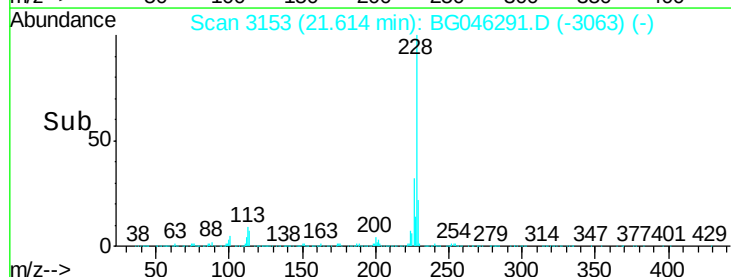
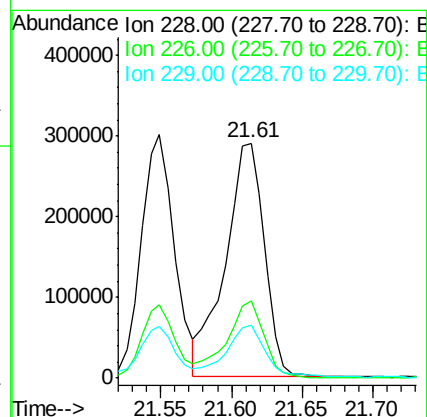
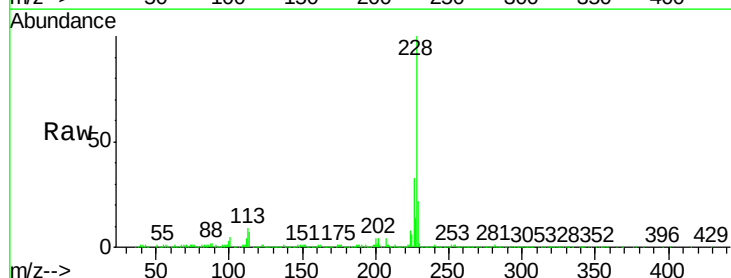
Tgt Ion:228 Resp: 557660

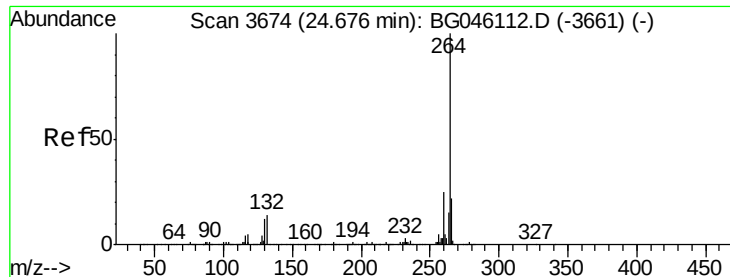
Ion Ratio Lower Upper

228 100

226 32.7 26.9 40.3

229 22.5 18.2 27.4



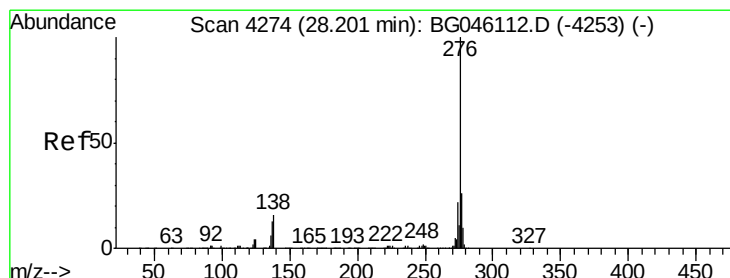
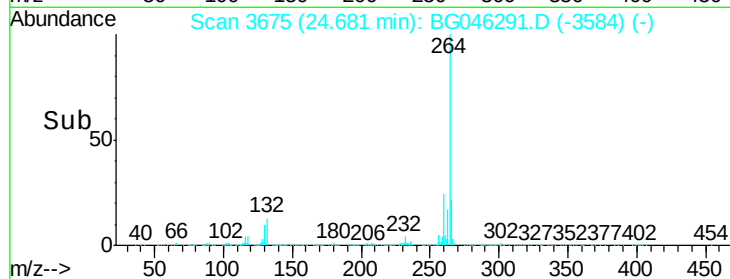
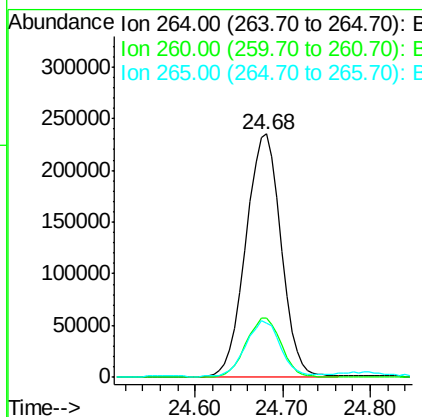
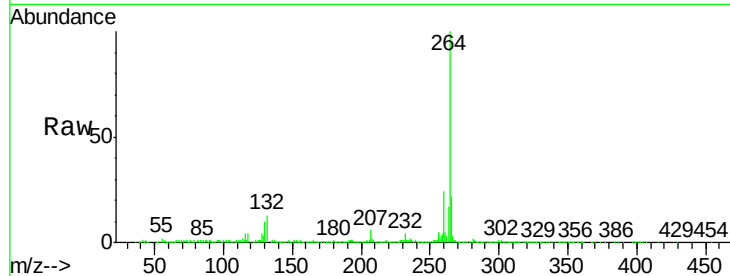


#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.68 min Scan# 3675
Delta R.T. 0.00 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

Instrument :
BNA_G
ClientSampleId :
7211979

Tot Ion:264 Resp: 644697

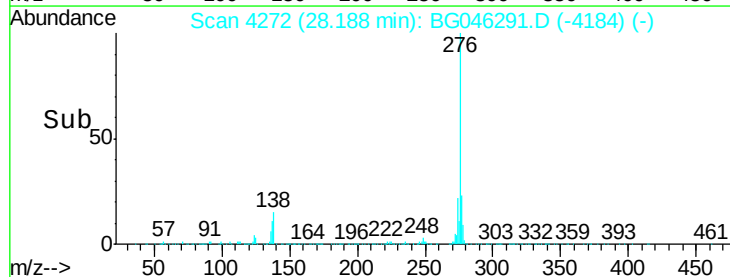
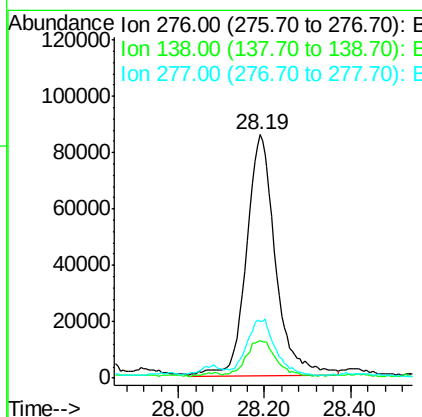
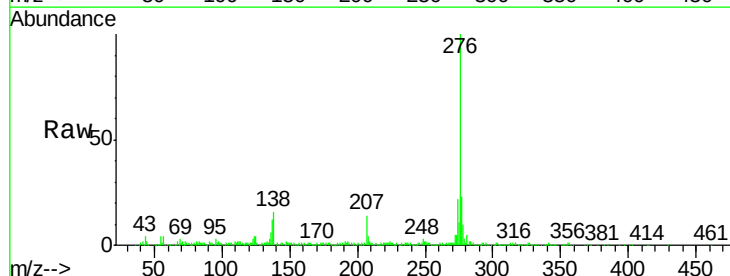
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	22.5	17.6	26.4

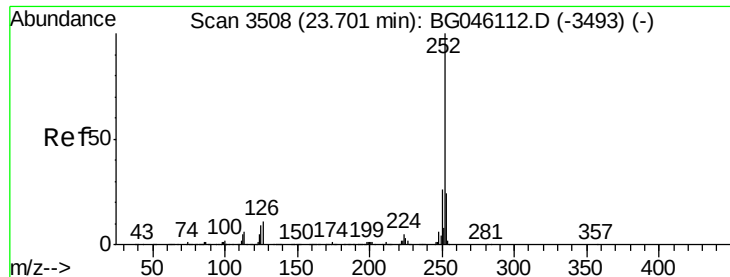


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.327 ng
RT: 28.19 min Scan# 4272
Delta R.T. -0.01 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

Tgt Ion:276 Resp: 409411

Ion	Ratio	Lower	Upper
276	100		
138	15.0	11.6	17.4
277	22.9	20.8	31.2

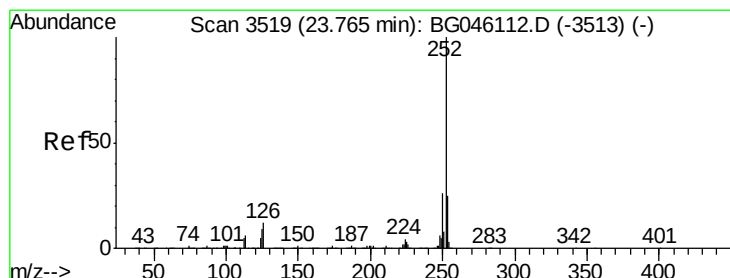
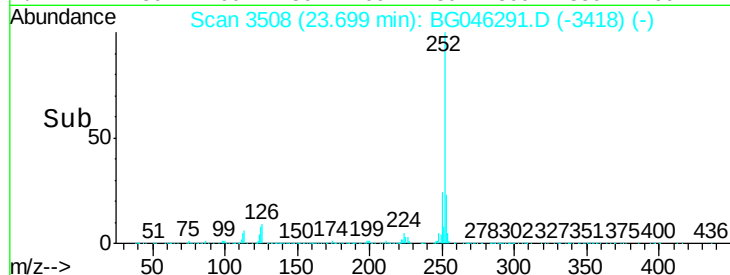
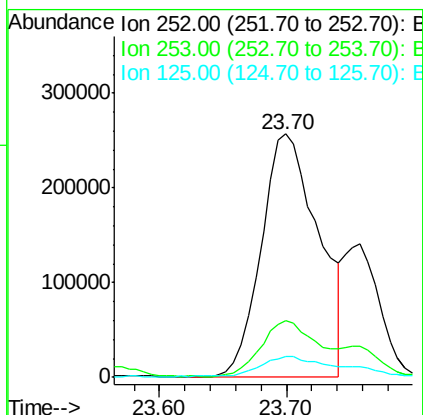
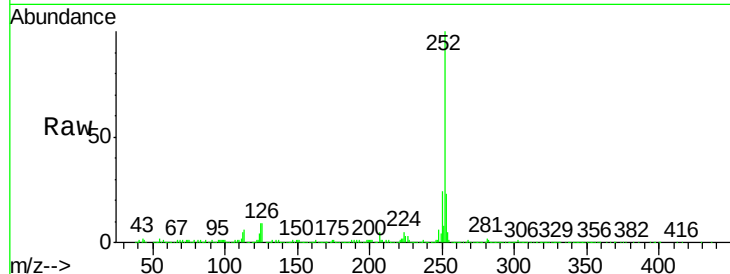




#88
Benzo(b)fluoranthene
Concen: 18.647 ng
RT: 23.70 min Scan# 3508
Delta R.T. -0.00 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

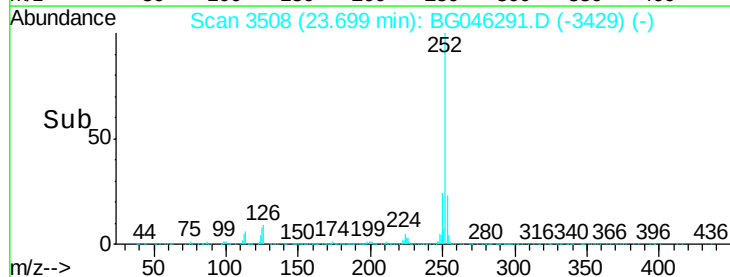
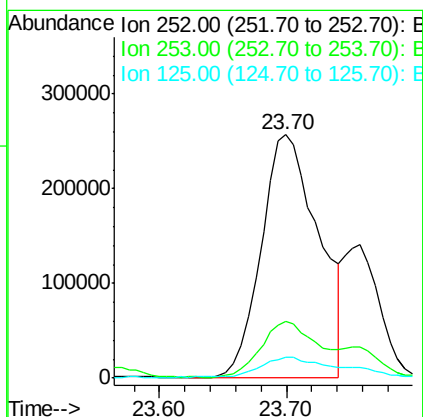
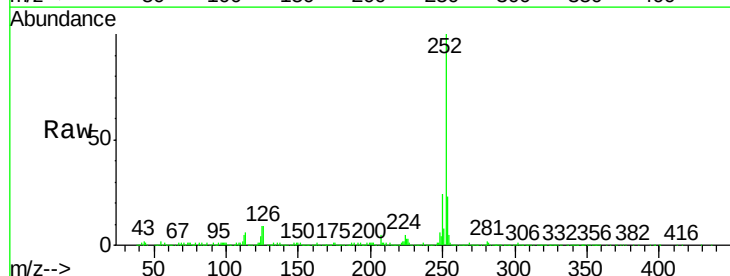
Instrument :
BNA_G
ClientSampleId :
7211979

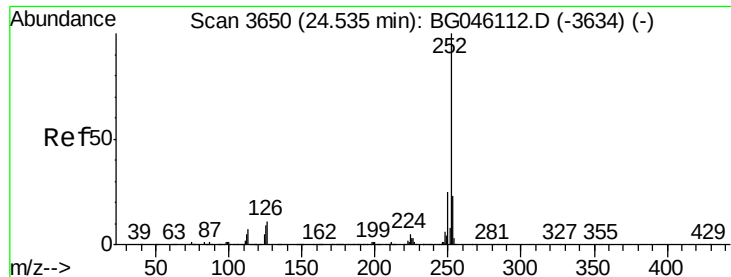
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.2	28.8
125	8.8	7.2	10.8



#89
Benzo(k)fluoranthene
Concen: 19.011 ng
RT: 23.70 min Scan# 3508
Delta R.T. -0.07 min
Lab File: BG046291.D
Acq: 15 Aug 2020 1:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.5	29.3
125	8.8	7.3	10.9





#90

Benzo(a)pyrene

Concen: 13.780 ng

RT: 24.53 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

Instrument :

BNA_G

ClientSampleId :

7211979

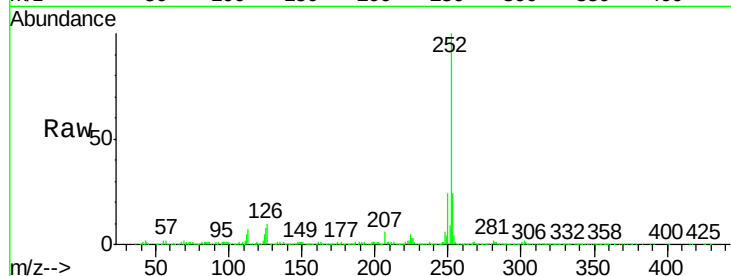
Tot Ion:252 Resp: 553970

Ion Ratio Lower Upper

252 100

253 23.8 18.6 27.8

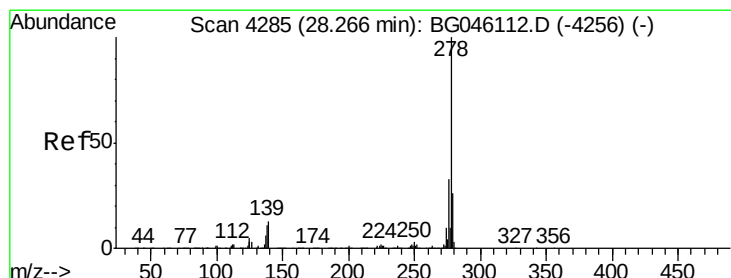
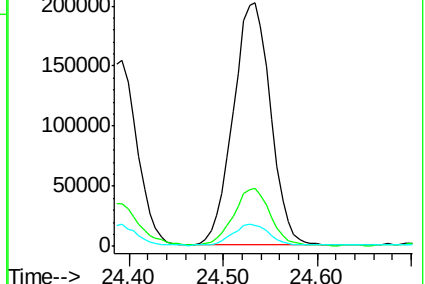
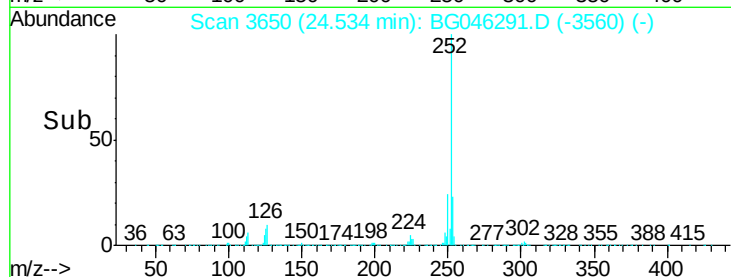
125 8.4 7.1 10.7



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



#91

Dibenzo(a,h)anthracene

Concen: 2.081 ng

RT: 28.24 min Scan# 4280

Delta R.T. -0.03 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

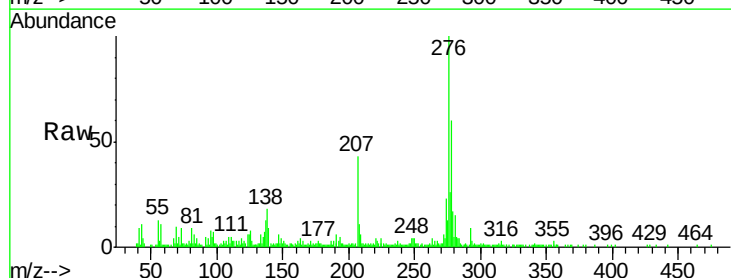
Tgt Ion:278 Resp: 85543

Ion Ratio Lower Upper

278 100

139 14.7 10.8 16.2

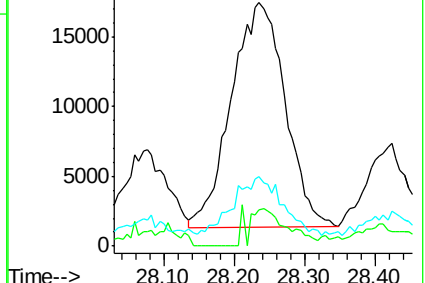
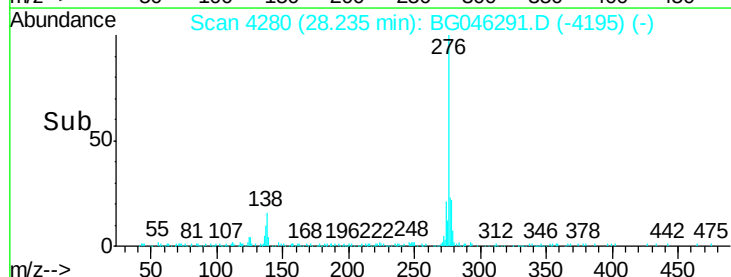
279 28.6 20.5 30.7

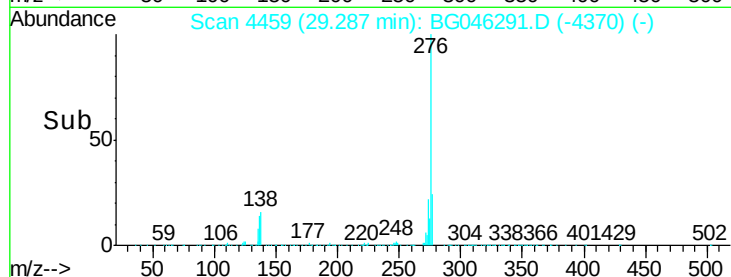
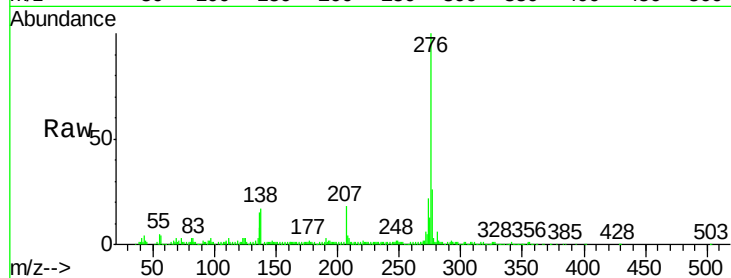
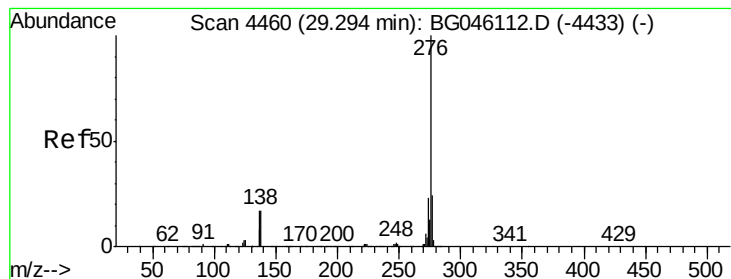


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 9.545 ng

RT: 29.29 min Scan# 4459

Delta R.T. -0.01 min

Lab File: BG046291.D

Acq: 15 Aug 2020 1:25

Instrument :

BNA_G

ClientSampleId :

7211979

Tot Ion:276 Resp: 396226

Ion Ratio Lower Upper

276 100

277 25.6 19.5 29.3

138 17.4 13.8 20.6

