

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
 Data File : BG046286.D
 Acq On : 14 Aug 2020 22:03
 Operator : CG/JU
 Sample : L3661-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-53

Quant Time: Aug 17 00:47:23 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	104574	20.00	ng	0.00
21) Naphthalene-d8	10.74	136	428052	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	283789	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	574439	20.00	ng	0.00
76) Chrysene-d12	21.57	240	605981	20.00	ng	0.00
86) Perylene-d12	24.67	264	662369	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	384211	63.87	ng	0.00
7) Phenol-d6	7.11	99	515133	62.83	ng	0.00
23) Nitrobenzene-d5	9.10	82	362562	45.86	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	277600	63.69	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	929653	47.59	ng	0.00
79) Terphenyl-d14	19.93	244	1245407	41.86	ng	0.00

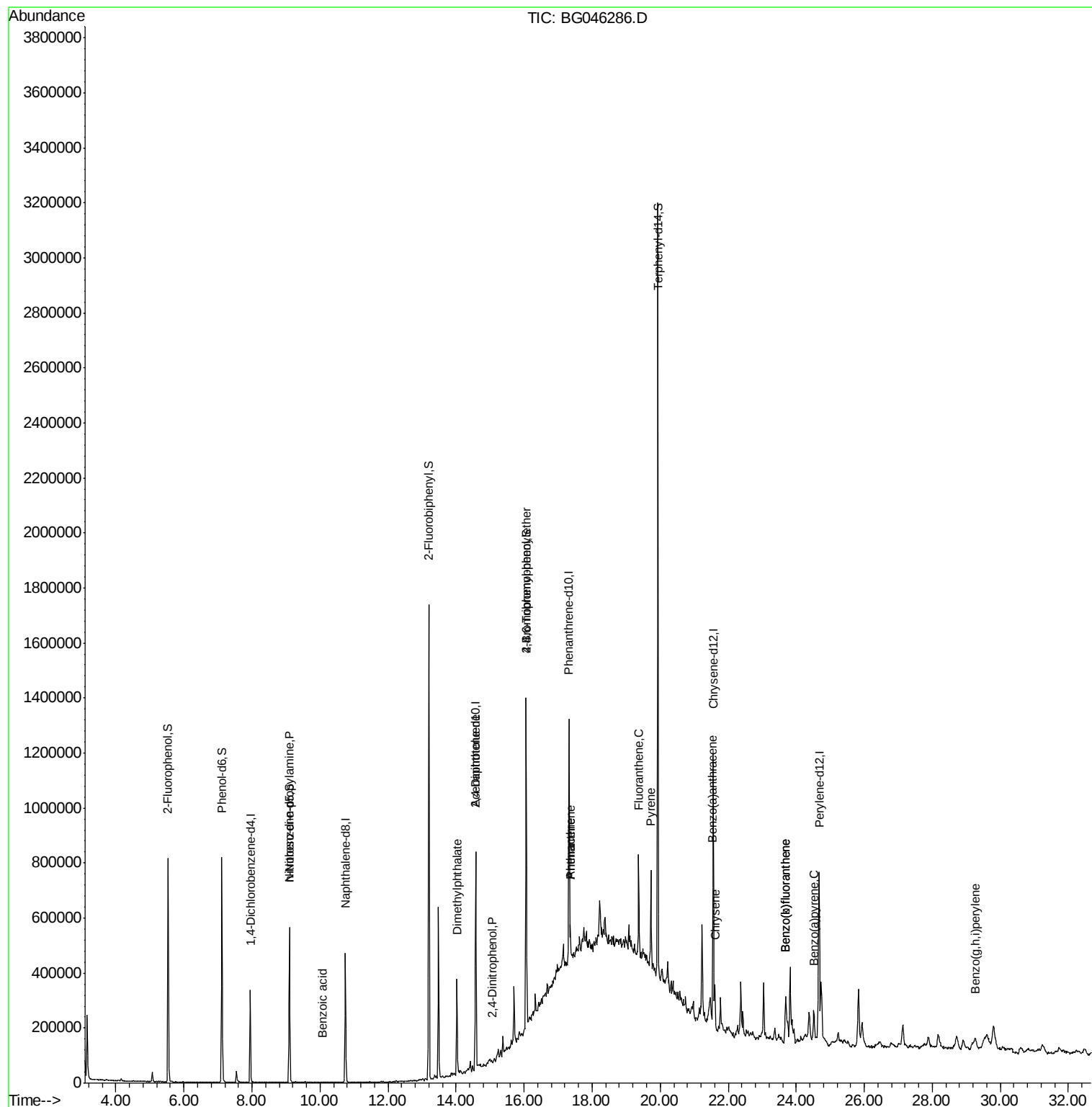
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.10	70	46512	8.717	ng	# 78
32) Benzoic acid	10.09	122	234	9.451	ng	# 1
50) Dimethylphthalate	14.03	163	253063	11.618	ng	98
54) 2,4-Dinitrophenol	15.07	184	78	7.089	ng	# 38
57) 2,4-Dinitrotoluene	14.57	165	38839	5.573	ng	# 30
67) 4-Bromophenyl-phenylether	16.06	248	17270	2.434	ng	# 1
71) Phenanthrene	17.36	178	76921	2.445	ng	94
72) Anthracene	17.36	178	76921	2.458	ng	94
75) Fluoranthene	19.37	202	222637	5.667	ng	97
78) Pyrene	19.73	202	220422	5.414	ng	96
81) Benzo(a)anthracene	21.54	228	117734	2.903	ng	98
83) Chrysene	21.61	228	135496	3.411	ng	97
88) Benzo(b)fluoranthene	23.69	252	195984	4.415	ng	99
89) Benzo(k)fluoranthene	23.69	252	195984	4.502	ng	98
90) Benzo(a)pyrene	24.52	252	123477	2.990	ng	96
92) Benzo(g,h,i)perylene	29.26	276	88599	2.077	ng	94

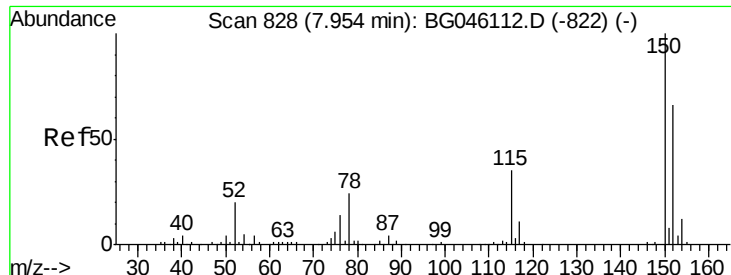
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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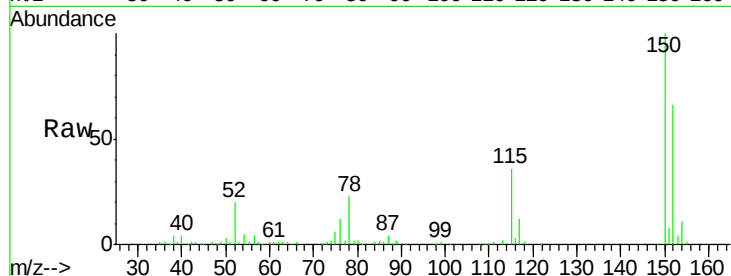


#1

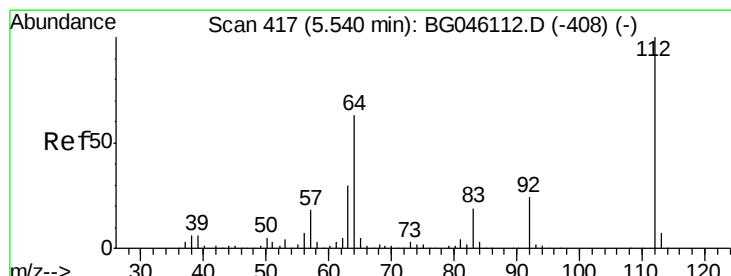
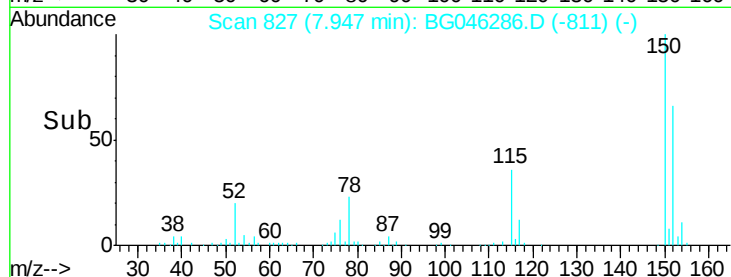
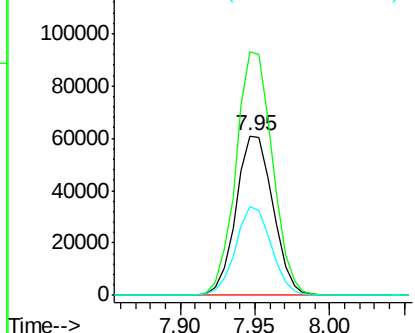
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG046286.D
Acq: 14 Aug 2020 22:03

Instrument :
BNA_G
ClientSampleId :
RBR-53

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	122.1	183.1
115	55.4	43.2	64.8



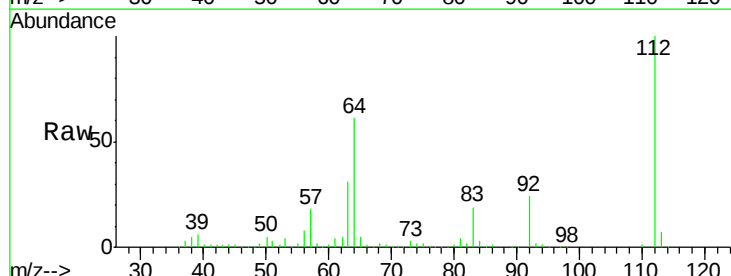
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



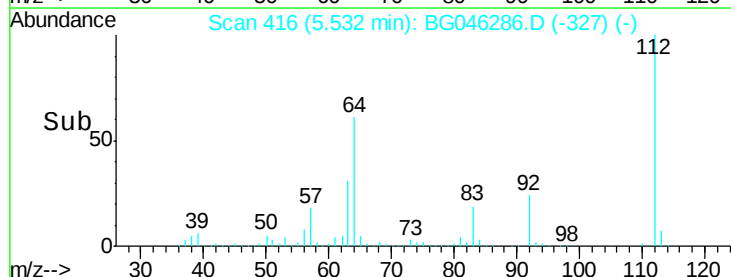
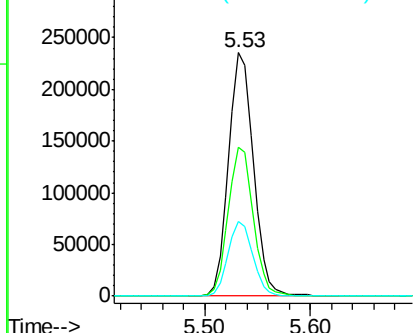
#5

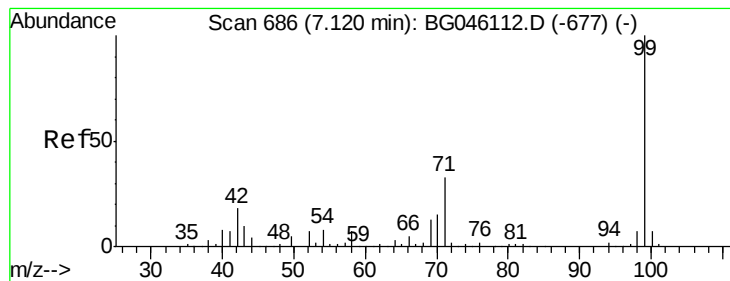
2-Fluorophenol
Concen: 63.869 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG046286.D
Acq: 14 Aug 2020 22:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	50.2	75.2
63	30.5	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: 62.833 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

Instrument :

BNA_G

ClientSampleId :

RBR-53

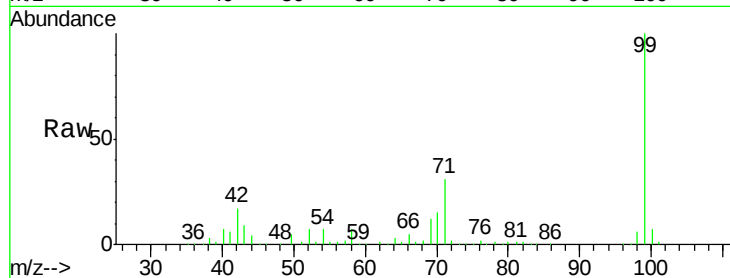
Tot Ion: 99 Resp: 515133

Ion Ratio Lower Upper

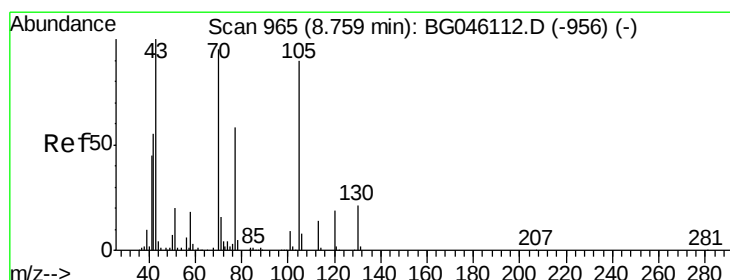
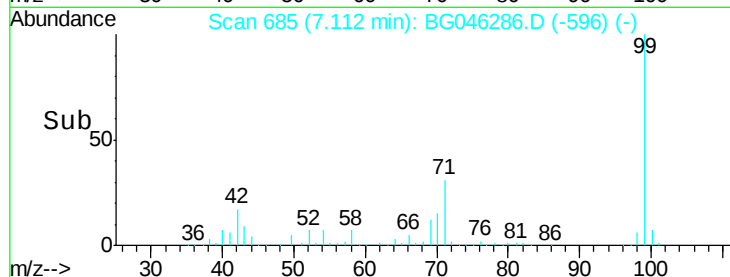
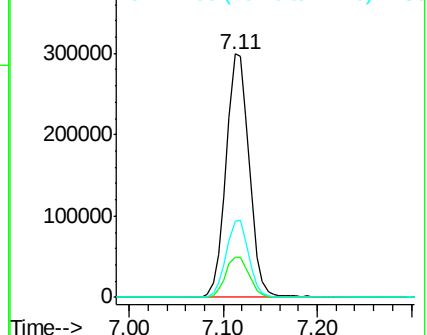
99 100

42 16.7 14.7 22.1

71 31.1 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: 8.717 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.34 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

Tgt Ion: 70 Resp: 46512

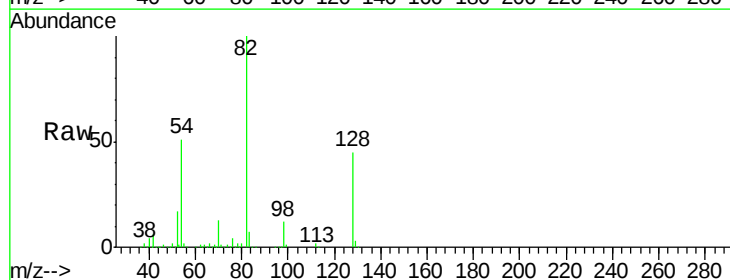
Ion Ratio Lower Upper

70 100

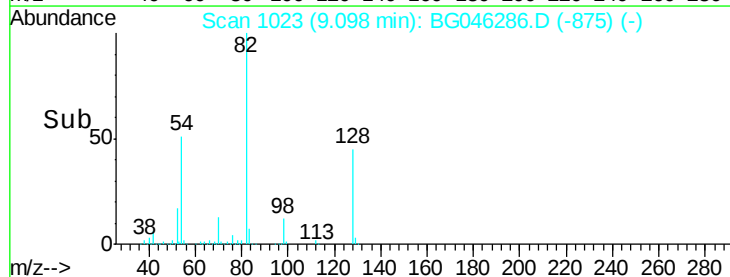
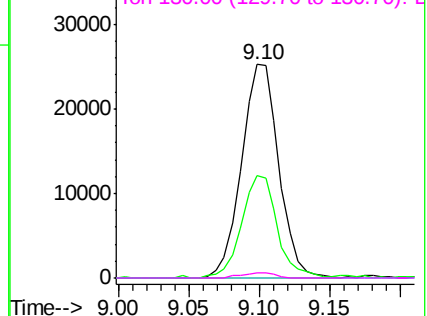
42 47.7 46.5 69.7

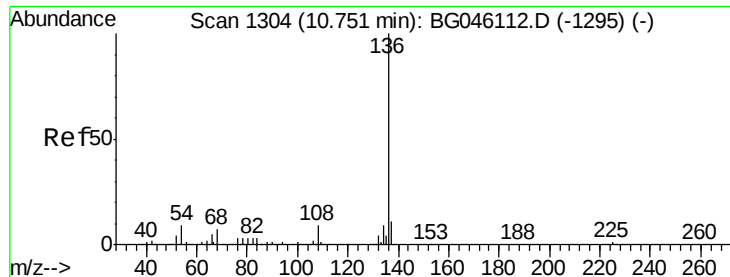
101 0.0 7.6 11.4#

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

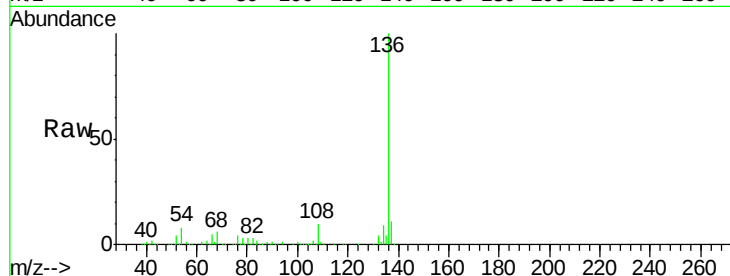




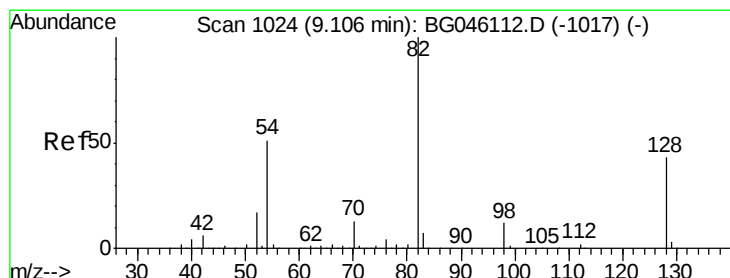
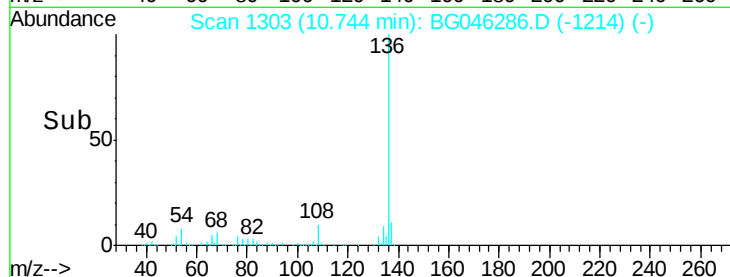
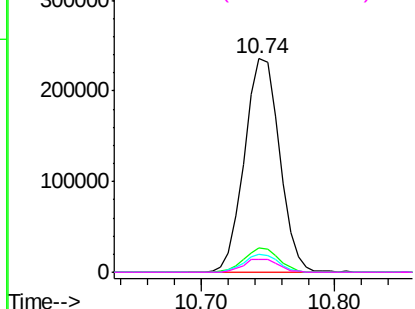
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG046286.D
Acq: 14 Aug 2020 22:03

Instrument :
BNA_G
ClientSampleId :
RBR-53

Tot Ion:136	Resp:	428052
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.8 13.2
54	8.3	7.0 10.4
68	6.3	5.3 7.9

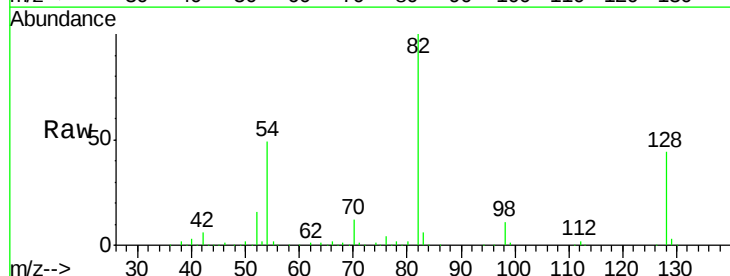


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

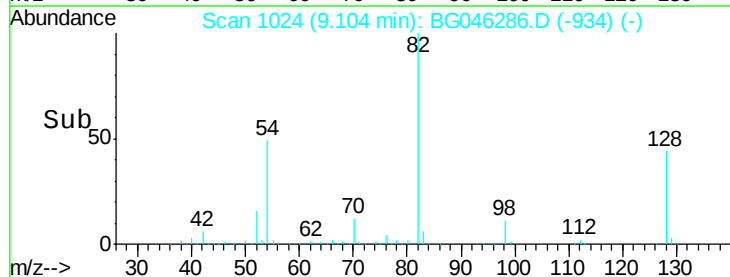
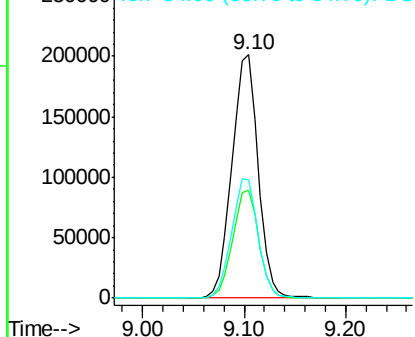


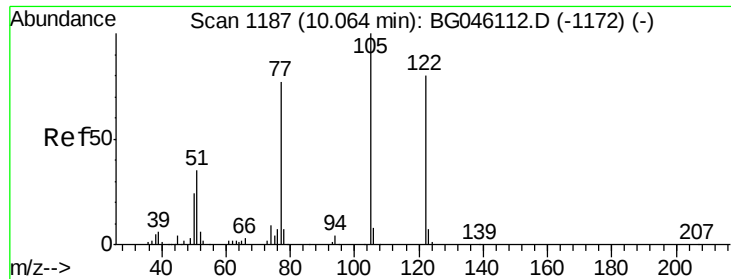
#23
Nitrobenzene-d5
Concen: 45.859 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG046286.D
Acq: 14 Aug 2020 22:03

Tgt Ion: 82	Resp:	362562
Ion	Ratio	Lower Upper
82	100	
128	44.4	34.4 51.6
54	48.5	40.8 61.2



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

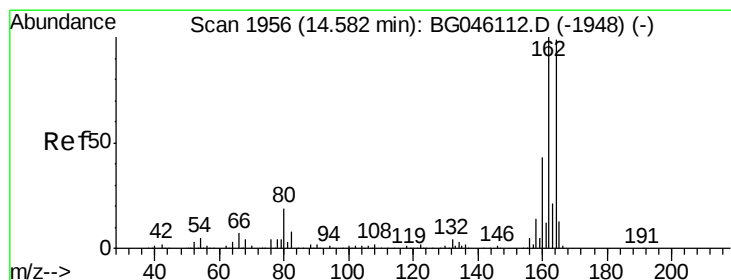
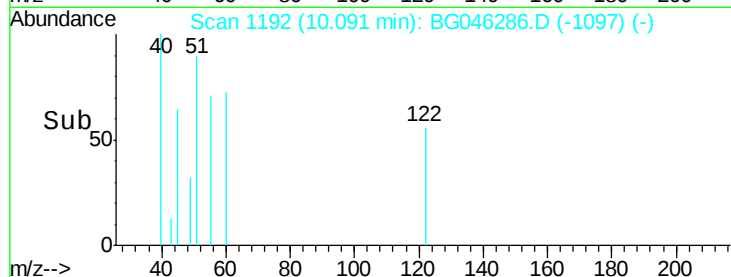
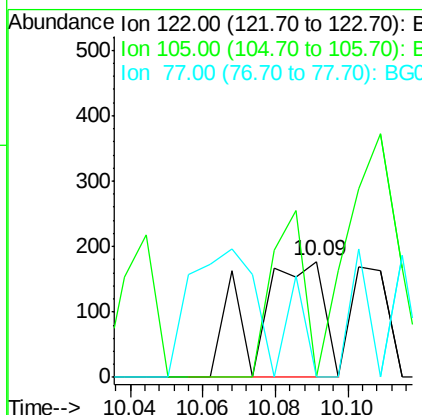
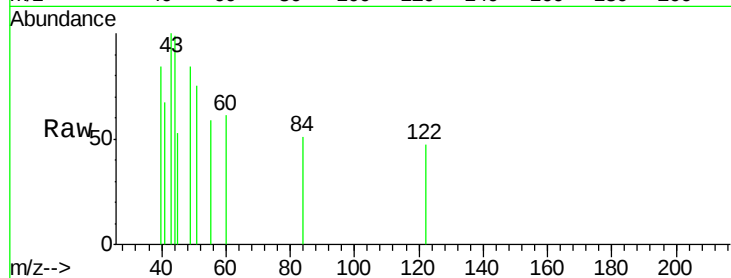




#32
Benzoic acid
Concen: 9.451 ng
RT: 10.09 min Scan# 1192
Delta R.T. 0.03 min
Lab File: BG046286.D
Acq: 14 Aug 2020 22:03

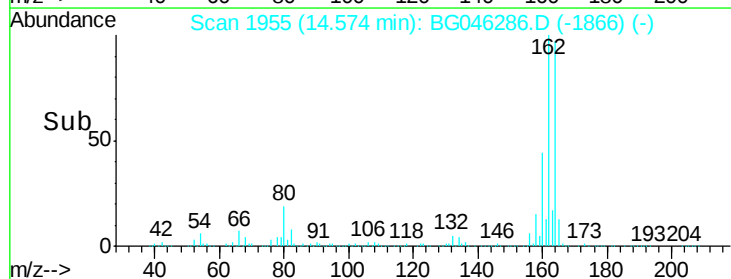
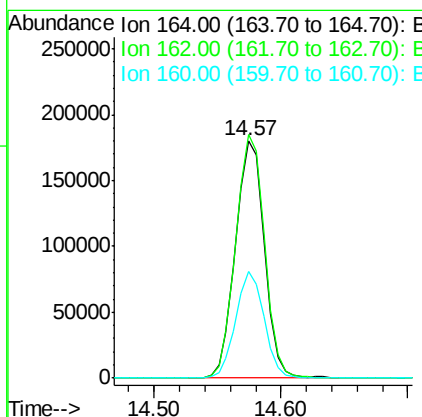
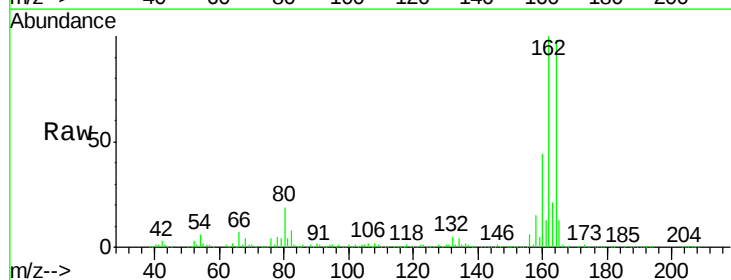
Instrument :
BNA_G
ClientSampleId :
RBR-53

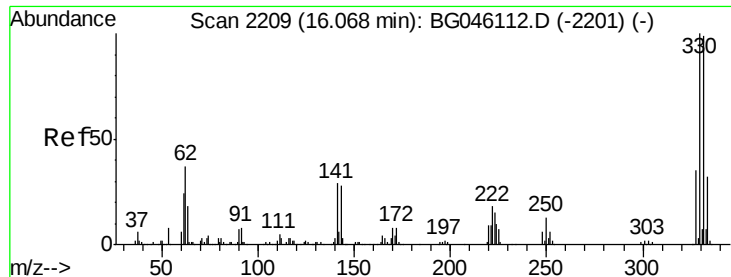
Tot Ion:122 Resp: 234
Ion Ratio Lower Upper
122 100
105 0.0 103.0 143.0#
77 0.0 75.2 115.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BG046286.D
Acq: 14 Aug 2020 22:03

Tgt Ion:164 Resp: 283789
Ion Ratio Lower Upper
164 100
162 102.4 80.6 121.0
160 45.0 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 63.685 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

Instrument :

BNA_G

ClientSampleId :

RBR-53

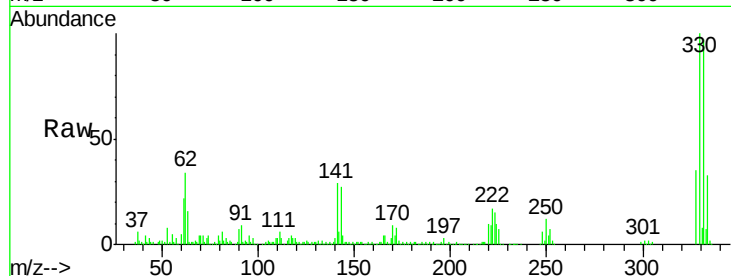
Tot Ion:330 Resp: 277600

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.2

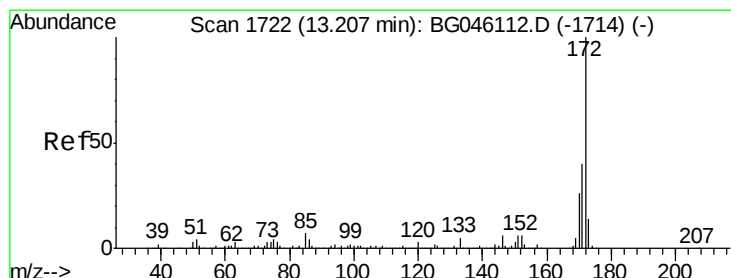
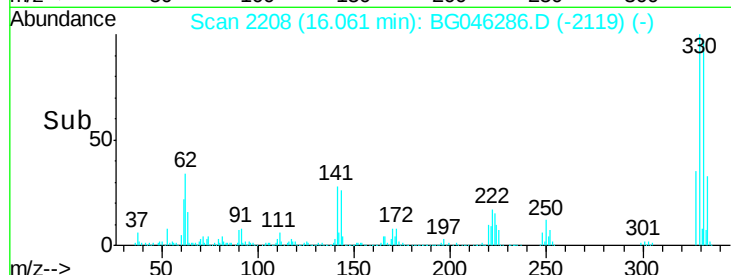
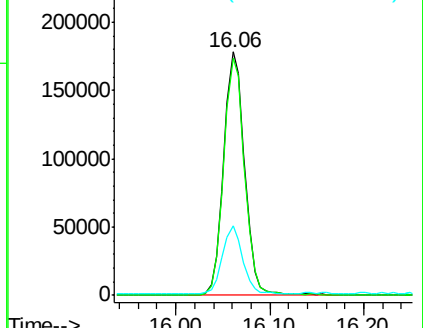
141 27.1 23.4 35.0



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: 47.586 ng

RT: 13.20 min Scan# 1721

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

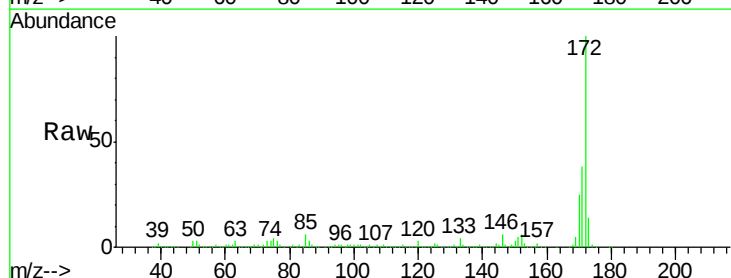
Tgt Ion:172 Resp: 929653

Ion Ratio Lower Upper

172 100

171 37.6 31.7 47.5

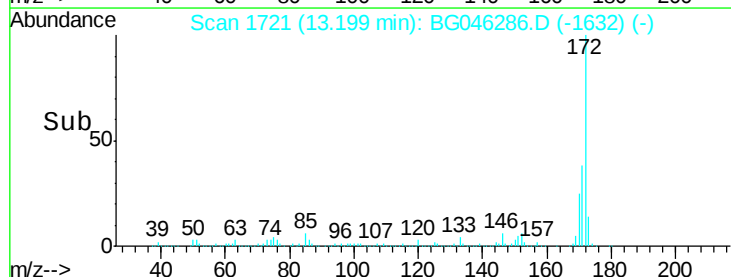
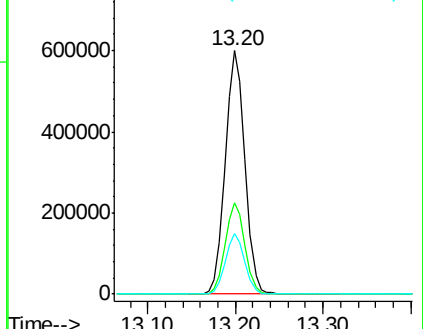
170 24.8 20.9 31.3

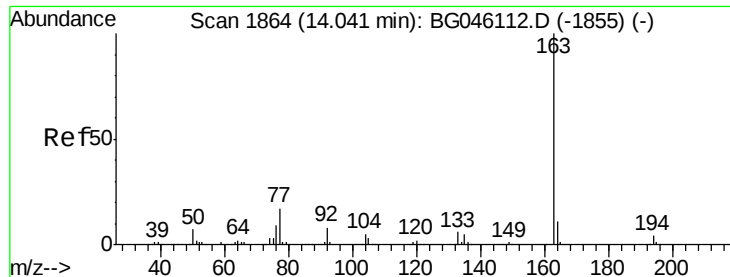


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

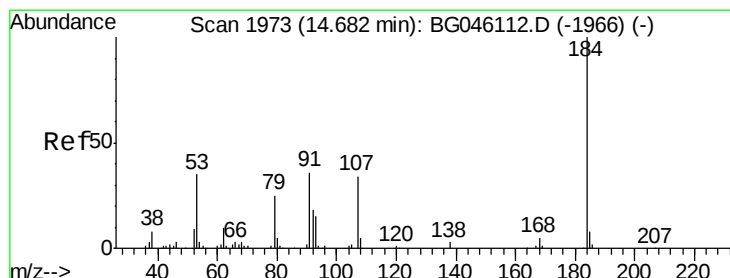
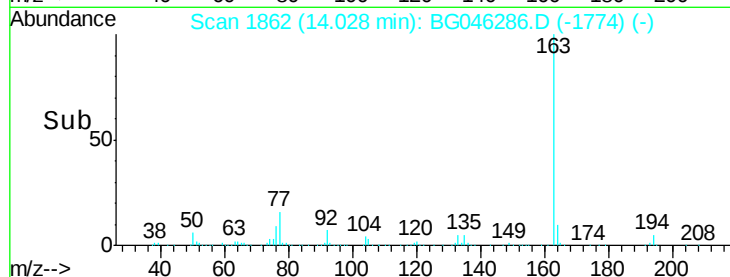
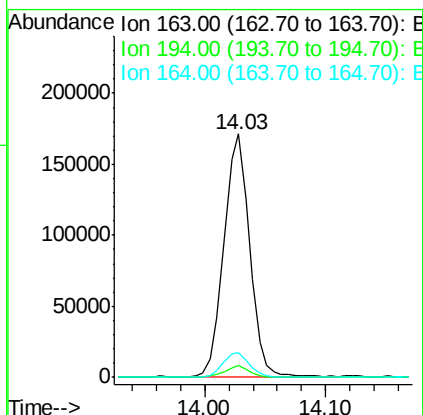
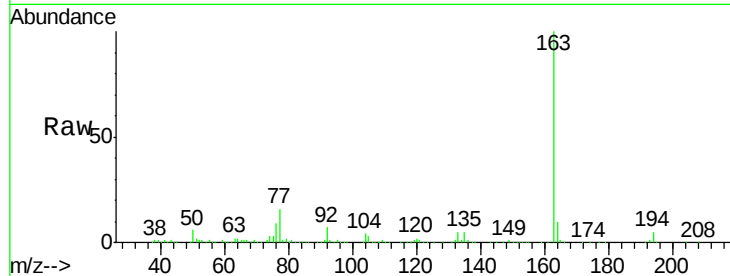




#50
Dimethylphthalate
Concen: 11.618 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BG046286.D
Acq: 14 Aug 2020 22:03

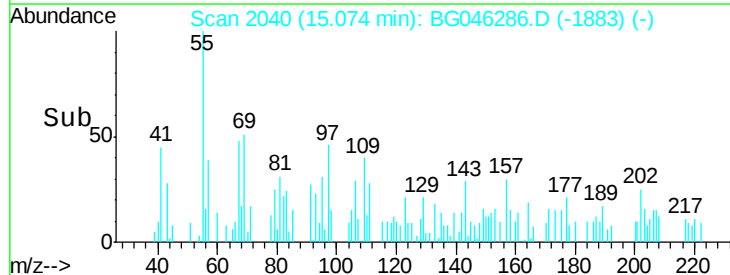
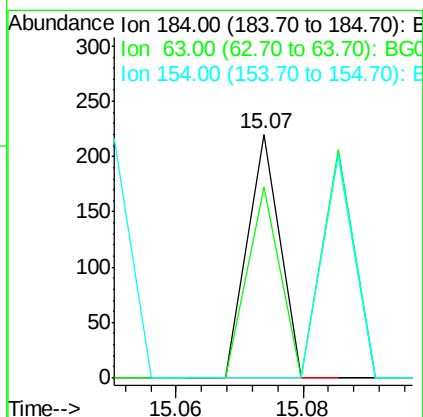
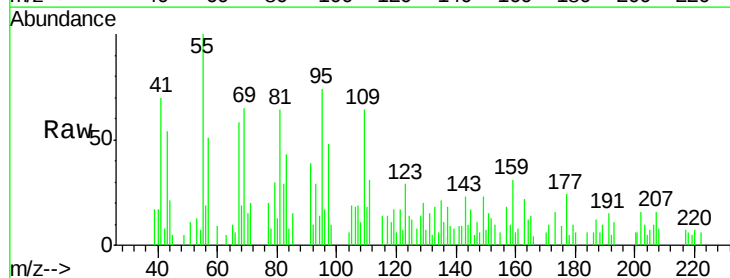
Instrument :
BNA_G
ClientSampleId :
RBR-53

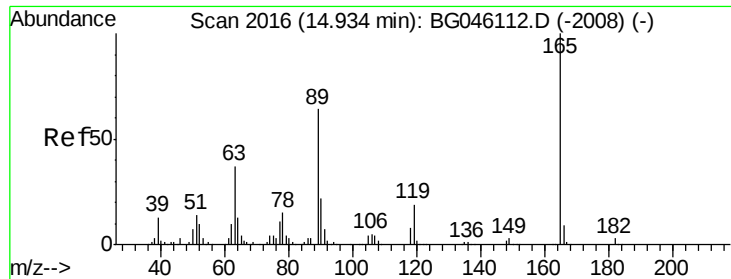
Tot Ion:163 Resp: 253063
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 10.0 8.8 13.2



#54
2,4-Dinitrophenol
Concen: 7.089 ng
RT: 15.07 min Scan# 2040
Delta R.T. 0.39 min
Lab File: BG046286.D
Acq: 14 Aug 2020 22:03

Tgt Ion:184 Resp: 78
Ion Ratio Lower Upper
184 100
63 78.6 36.7 55.1#
154 0.0 41.3 61.9#





#57

2,4-Dinitrotoluene

Concen: 5.573 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.36 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

Instrument :

BNA_G

ClientSampleId :

RBR-53

Tot Ion:165 Resp: 38839

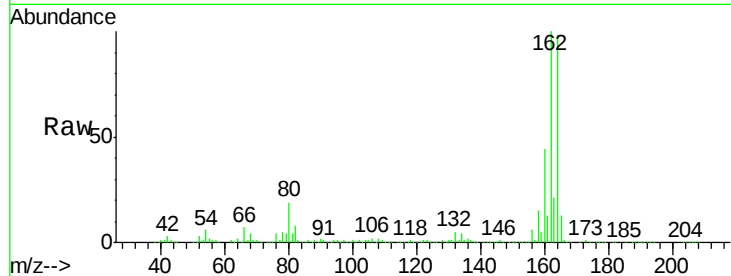
Ion Ratio Lower Upper

165 100

63 1.5 30.1 45.1#

89 2.1 51.4 77.2#

182 1.4 2.3 3.5#

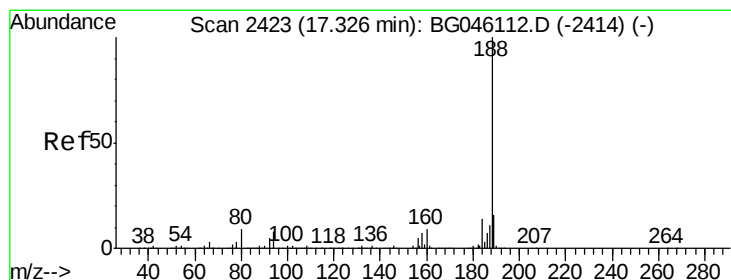
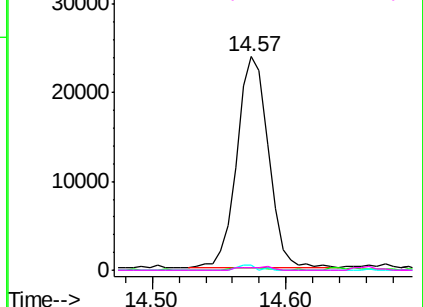
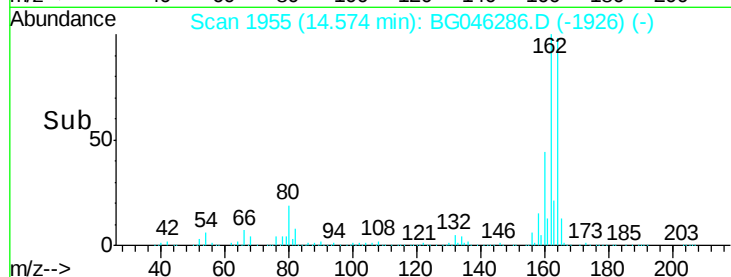


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

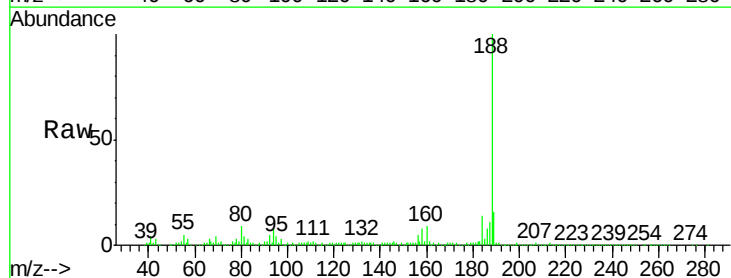
Tgt Ion:188 Resp: 574439

Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

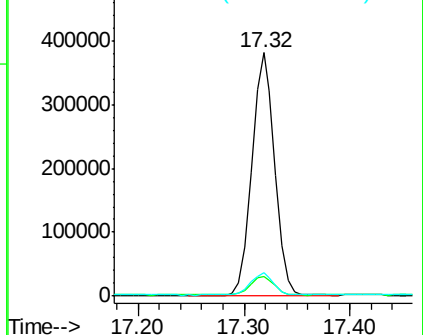
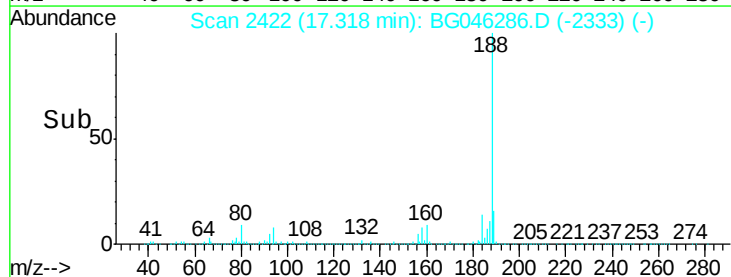
80 9.4 7.4 11.0

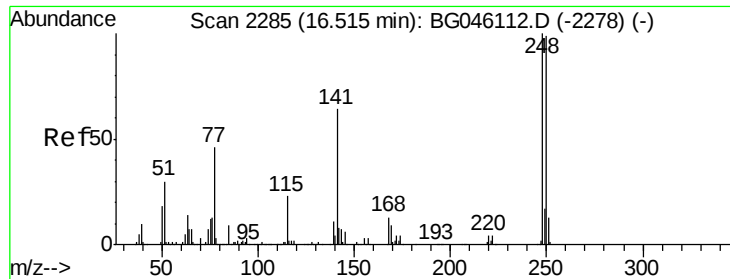


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

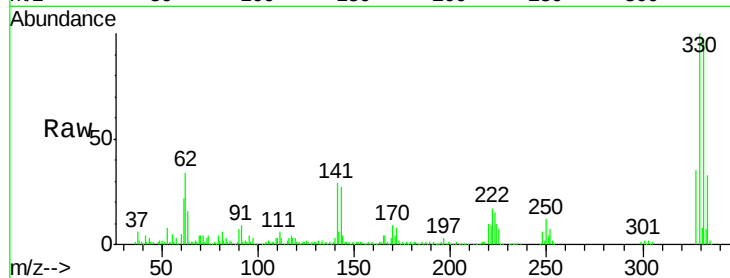




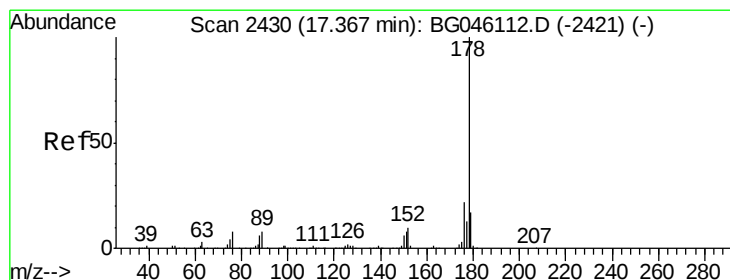
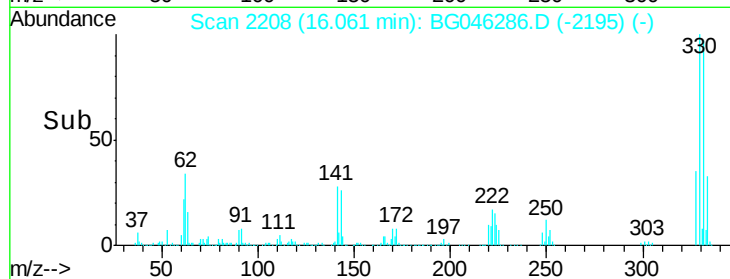
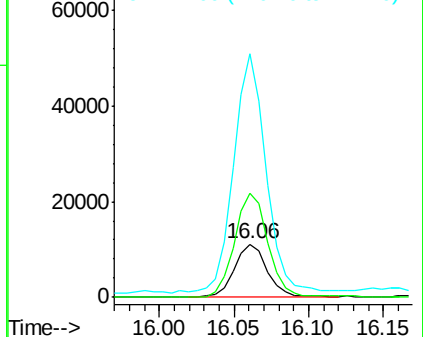
#67
 4-Bromophenyl-phenylether
 Concen: 2.434 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.45 min
 Lab File: BG046286.D
 Acq: 14 Aug 2020 22:03

Instrument :
 BNA_G
 ClientSampleId :
 RBR-53

Tot Ion:248 Resp: 17270
 Ion Ratio Lower Upper
 248 100
 250 195.4 79.4 119.0#
 141 456.1 50.9 76.3#

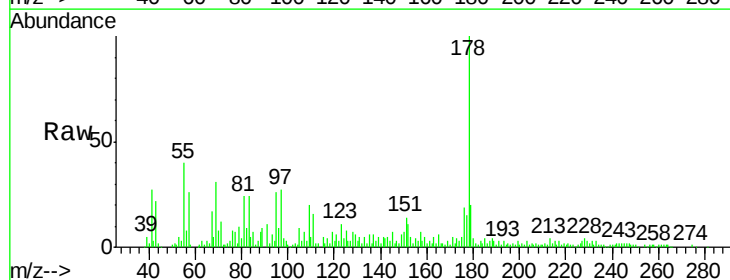


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

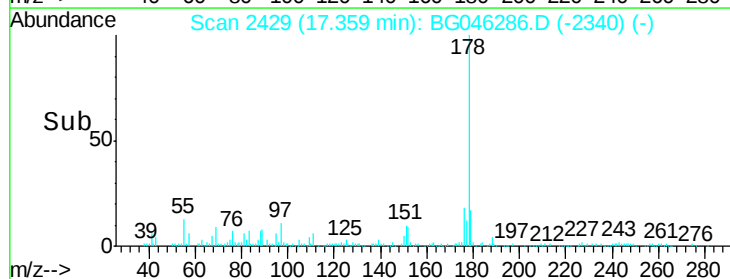
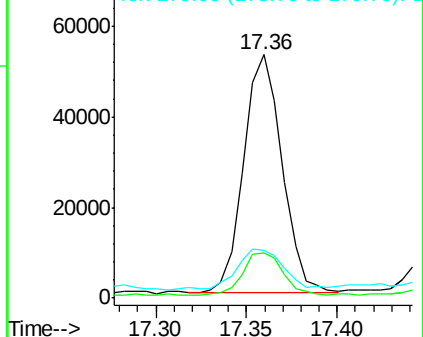


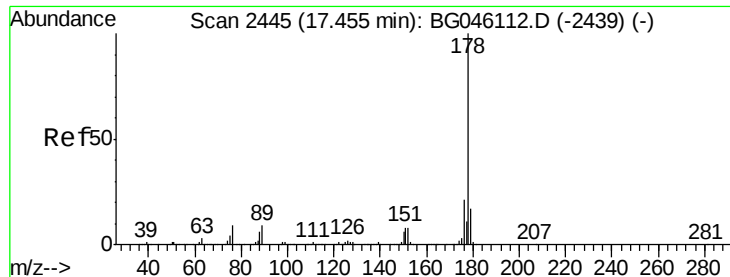
#71
 Phenanthrene
 Concen: 2.445 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BG046286.D
 Acq: 14 Aug 2020 22:03

Tgt Ion:178 Resp: 76921
 Ion Ratio Lower Upper
 178 100
 176 18.5 17.3 25.9
 179 19.8 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: 2.458 ng

RT: 17.36 min Scan# 2429

Delta R.T. -0.10 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

Instrument :

BNA_G

ClientSampleId :

RBR-53

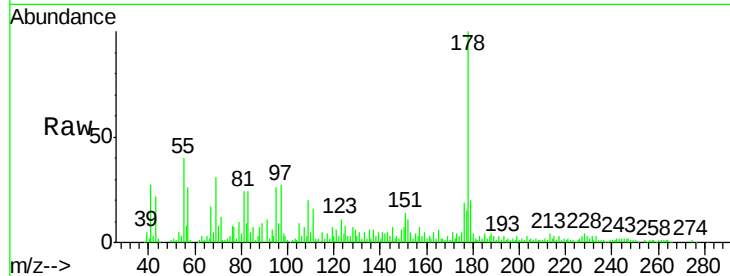
Tot Ion:178 Resp: 76921

Ion Ratio Lower Upper

178 100

176 18.5 16.6 24.8

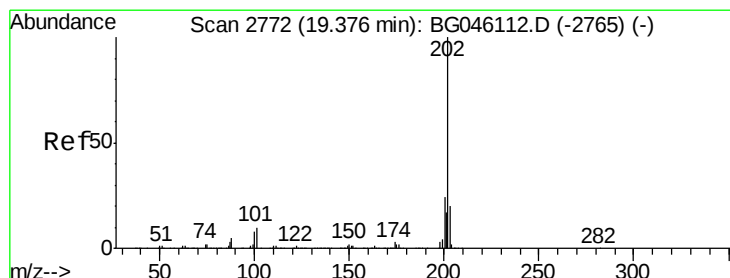
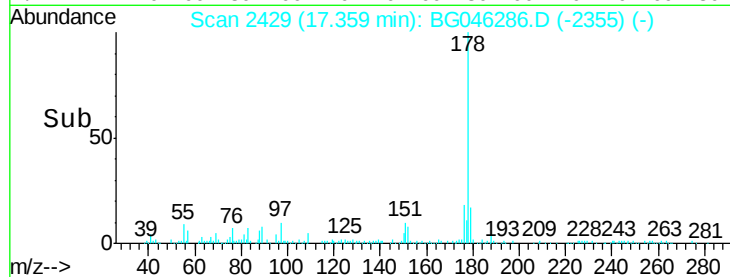
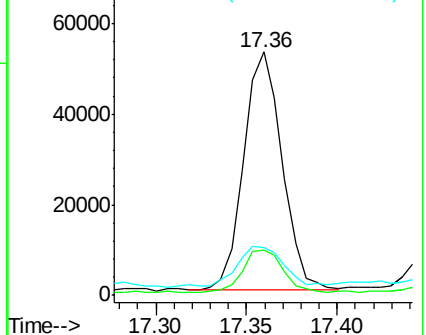
179 19.8 13.4 20.2



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: 5.667 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

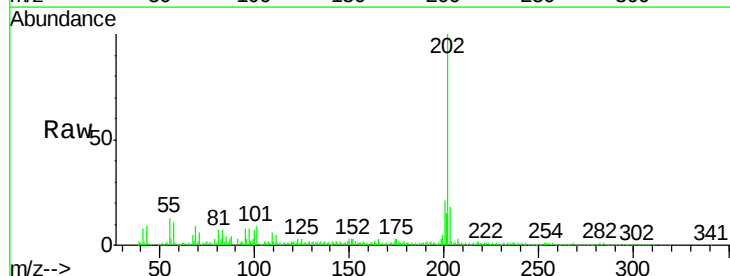
Tgt Ion:202 Resp: 222637

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.0

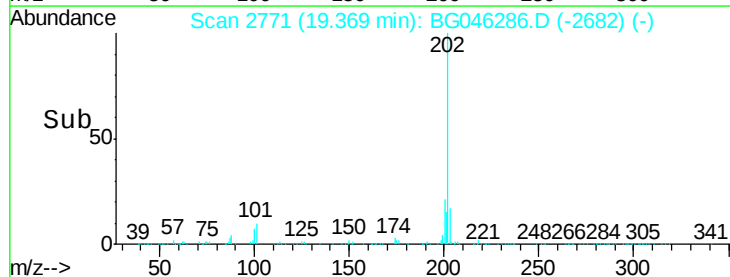
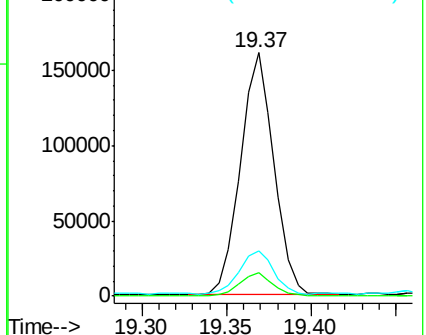
203 18.3 0.2 40.2

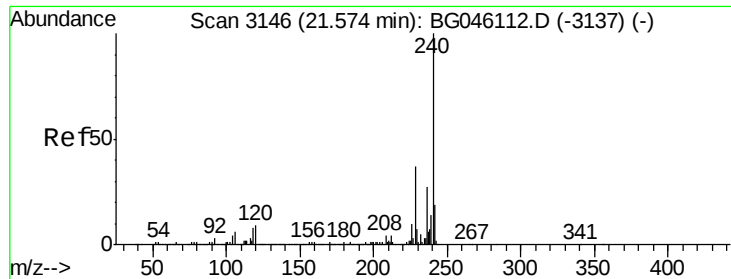


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG046286.D

Acq: 14 Aug 2020 22:03

Instrument :

BNA_G

ClientSampleId :

RBR-53

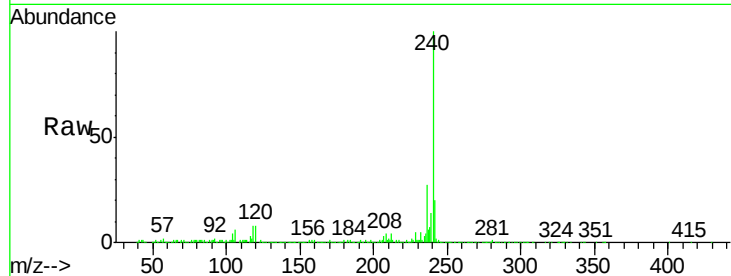
Tot Ion:240 Resp: 605981

Ion Ratio Lower Upper

240 100

120 8.1 7.1 10.7

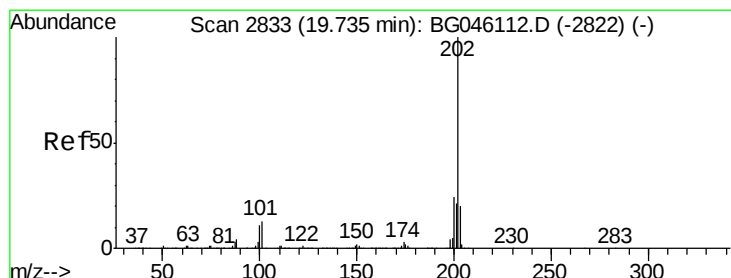
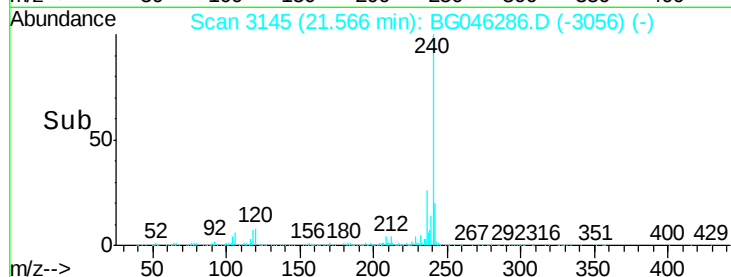
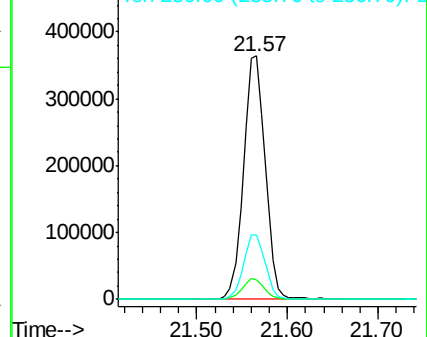
236 26.6 21.7 32.5



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

Pyrene

Concen: 5.414 ng

RT: 19.73 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

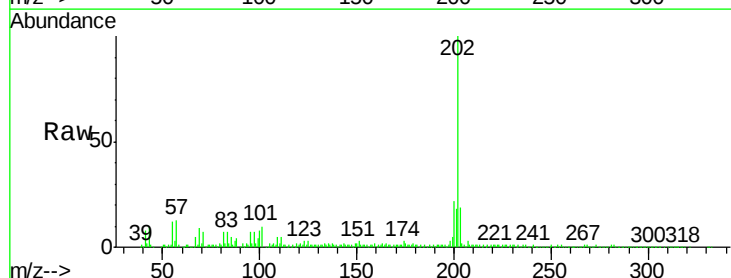
Tgt Ion:202 Resp: 220422

Ion Ratio Lower Upper

202 100

200 22.3 19.5 29.3

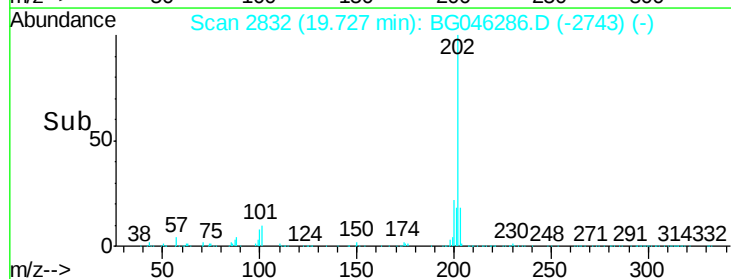
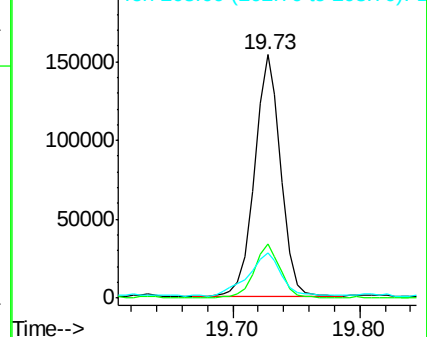
203 18.8 16.2 24.2

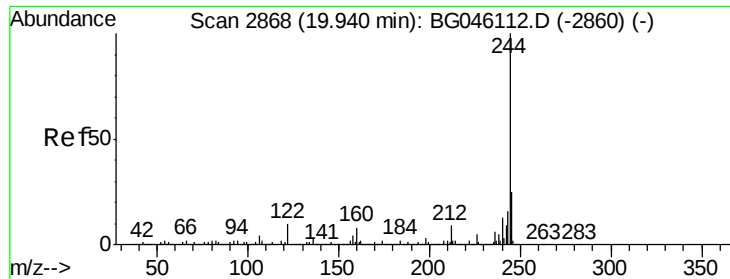


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 41.857 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

Instrument :

BNA_G

ClientSampleId :

RBR-53

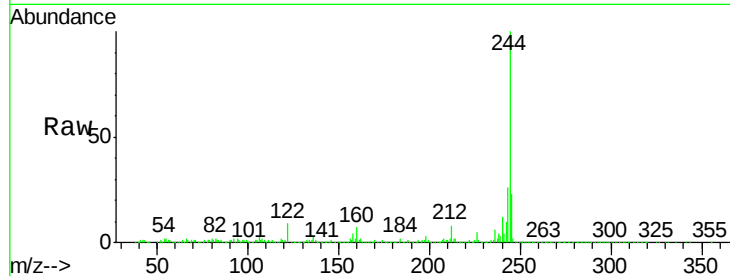
Tot Ion:244 Resp: 1245407

Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.2	10.8
122	8.9	8.3	12.5

244 100

212 8.1 7.2 10.8

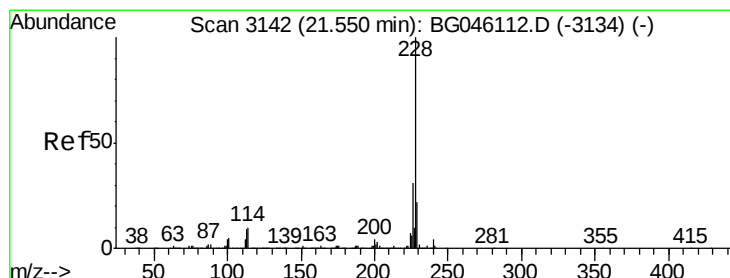
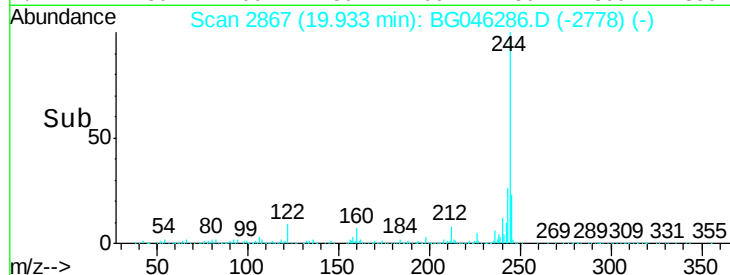
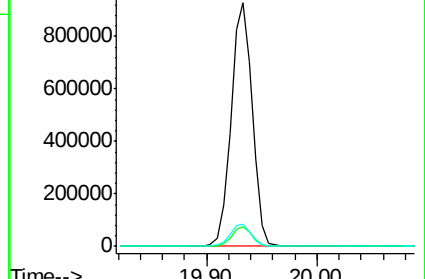
122 8.9 8.3 12.5



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: 2.903 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

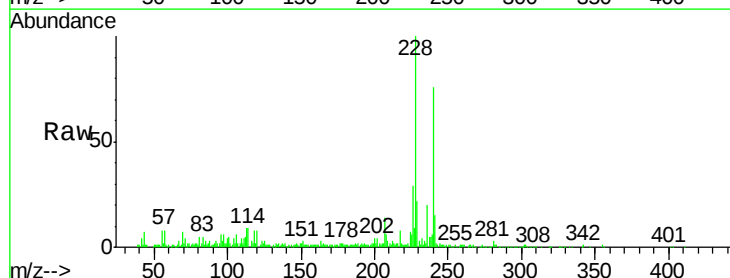
Tgt Ion:228 Resp: 117734

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.7	37.1
229	22.4	17.8	26.8

228 100

226 28.6 24.7 37.1

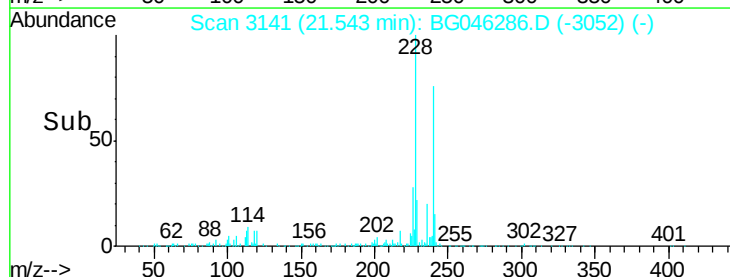
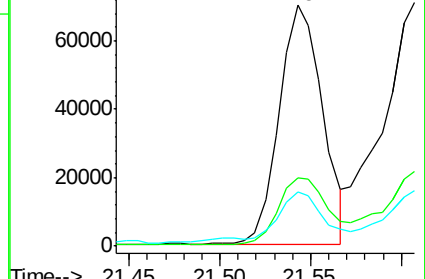
229 22.4 17.8 26.8

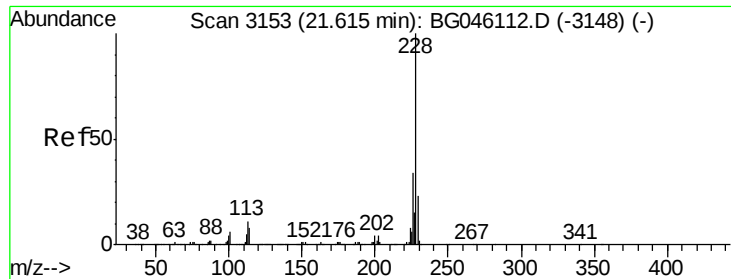


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.411 ng

RT: 21.61 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

Instrument :

BNA_G

ClientSampleId :

RBR-53

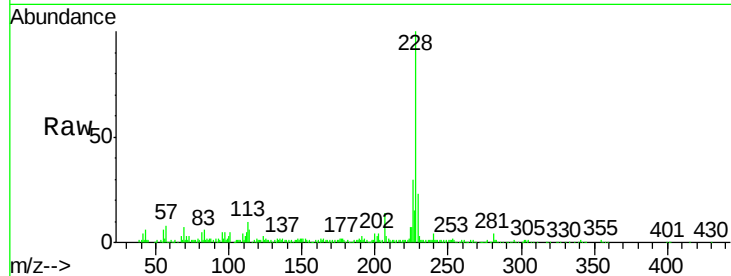
Tot Ion:228 Resp: 135496

Ion Ratio Lower Upper

228 100

226 30.5 26.9 40.3

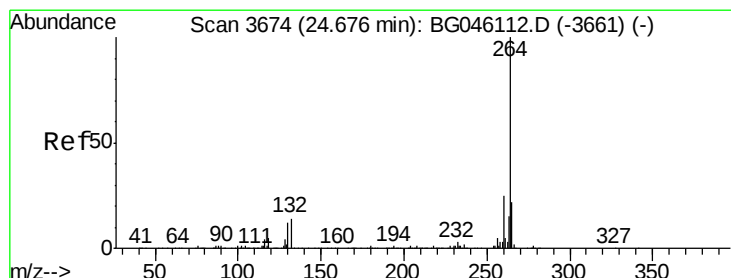
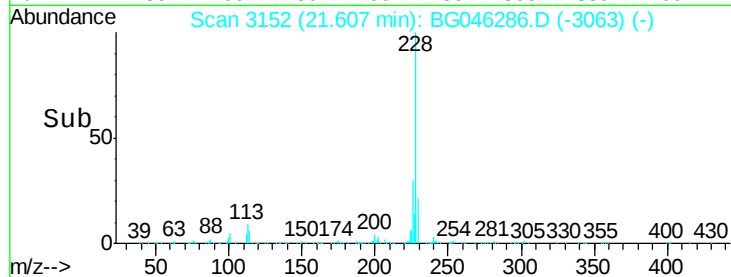
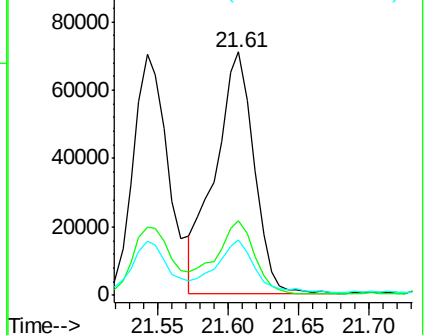
229 22.6 18.2 27.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3673

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

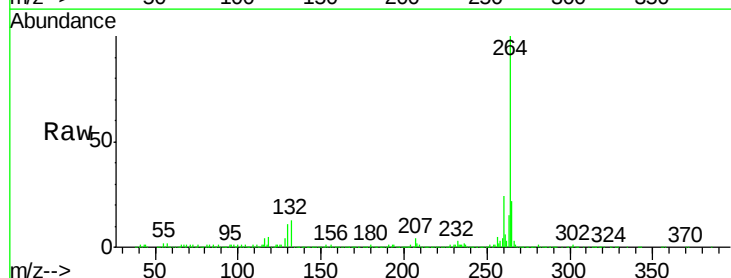
Tgt Ion:264 Resp: 662369

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

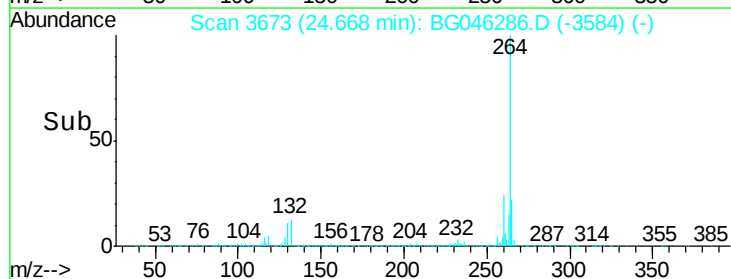
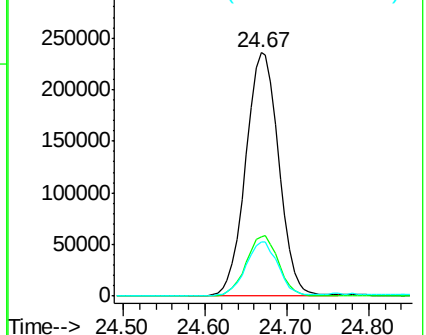
265 22.1 17.6 26.4

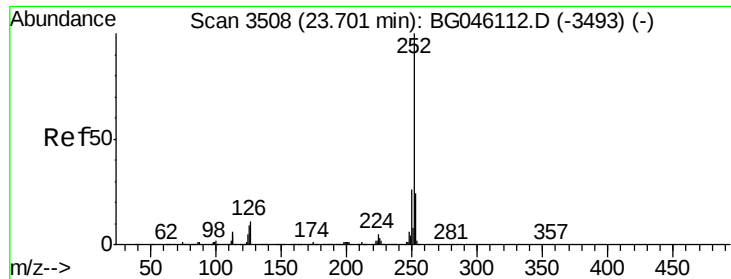


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 4.415 ng

RT: 23.69 min Scan# 3507

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

Instrument :

BNA_G

ClientSampleId :

RBR-53

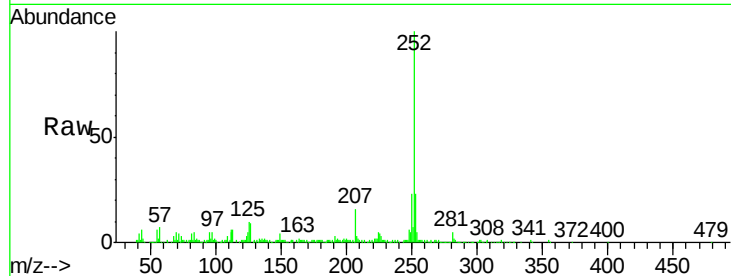
Tot Ion:252 Resp: 195984

Ion Ratio Lower Upper

252 100

253 23.3 19.2 28.8

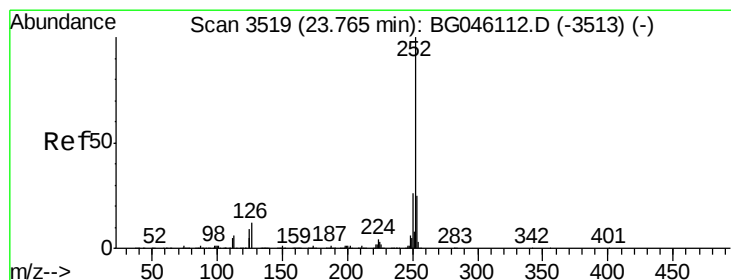
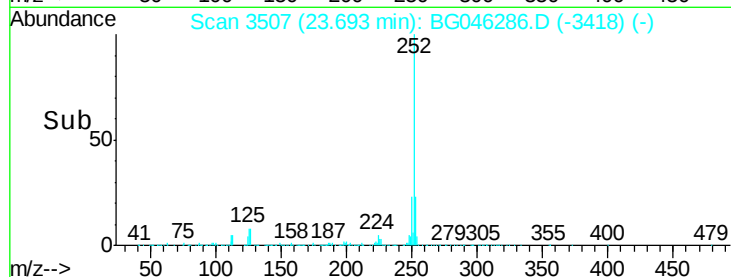
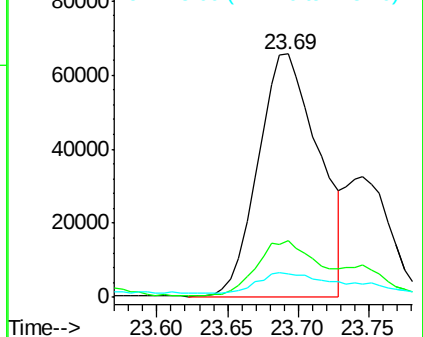
125 9.5 7.2 10.8



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: 4.502 ng

RT: 23.69 min Scan# 3507

Delta R.T. -0.07 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

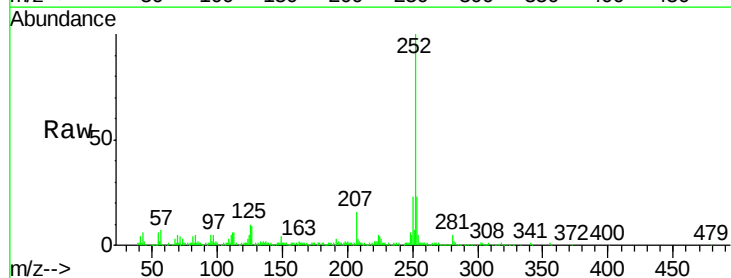
Tgt Ion:252 Resp: 195984

Ion Ratio Lower Upper

252 100

253 23.3 19.5 29.3

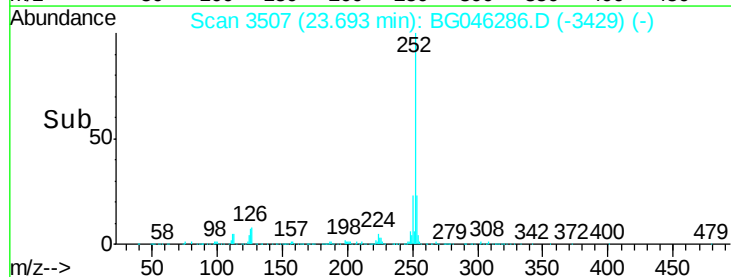
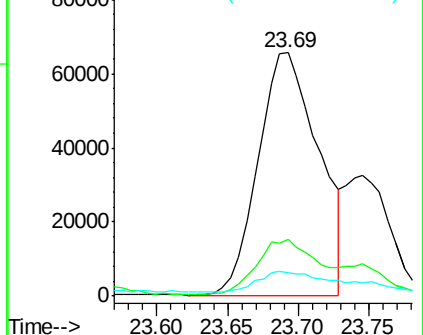
125 9.5 7.3 10.9

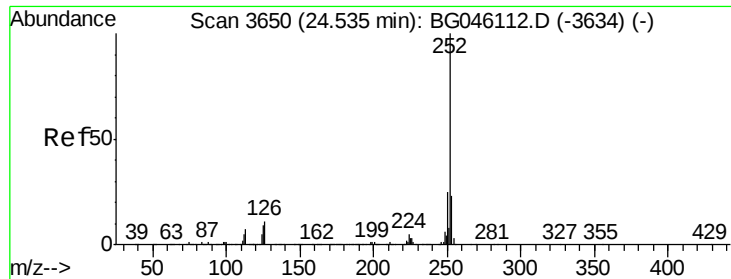


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.990 ng

RT: 24.52 min Scan# 3648

Delta R.T. -0.01 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

Instrument :

BNA_G

ClientSampleId :

RBR-53

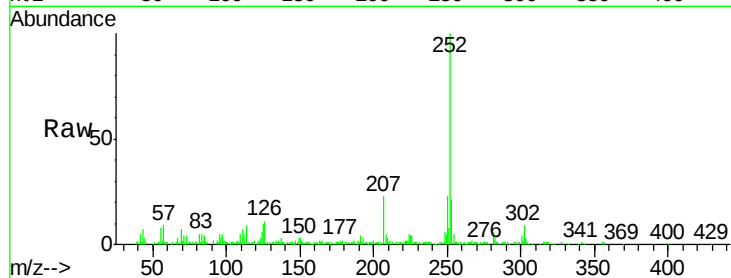
Tot Ion:252 Resp: 123477

Ion Ratio Lower Upper

252 100

253 21.2 18.6 27.8

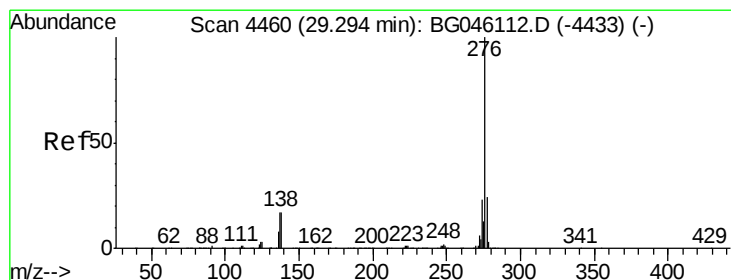
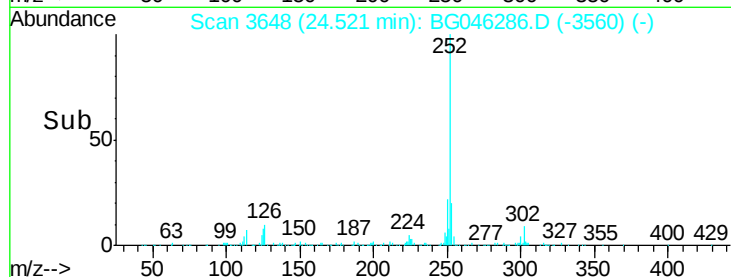
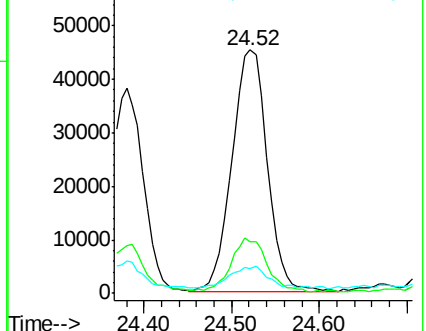
125 10.1 7.1 10.7



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



#92

Benzo(g,h,i)perylene

Concen: 2.077 ng

RT: 29.26 min Scan# 4455

Delta R.T. -0.03 min

Lab File: BG046286.D

Acq: 14 Aug 2020 22:03

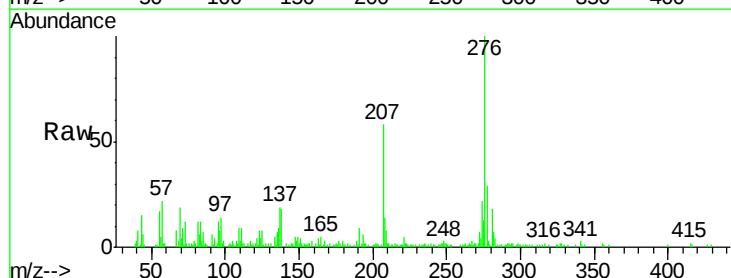
Tgt Ion:276 Resp: 88599

Ion Ratio Lower Upper

276 100

277 28.8 19.5 29.3

138 18.4 13.8 20.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

