

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
 Data File : BG046290.D
 Acq On : 15 Aug 2020 00:45
 Operator : CG/JU
 Sample : L3662-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-374

Quant Time: Aug 17 00:49:36 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	106701	20.00	ng	0.00
21) Naphthalene-d8	10.74	136	444027	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	264674	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	517419	20.00	ng	0.00
76) Chrysene-d12	21.57	240	544831	20.00	ng	0.00
86) Perylene-d12	24.68	264	611507	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	601443	97.99	ng	0.00
7) Phenol-d6	7.12	99	823127	98.40	ng	0.00
23) Nitrobenzene-d5	9.10	82	557413	67.97	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	406119	99.90	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	1282593	70.39	ng	0.00
79) Terphenyl-d14	19.94	244	1532869	57.30	ng	0.00

Target Compounds

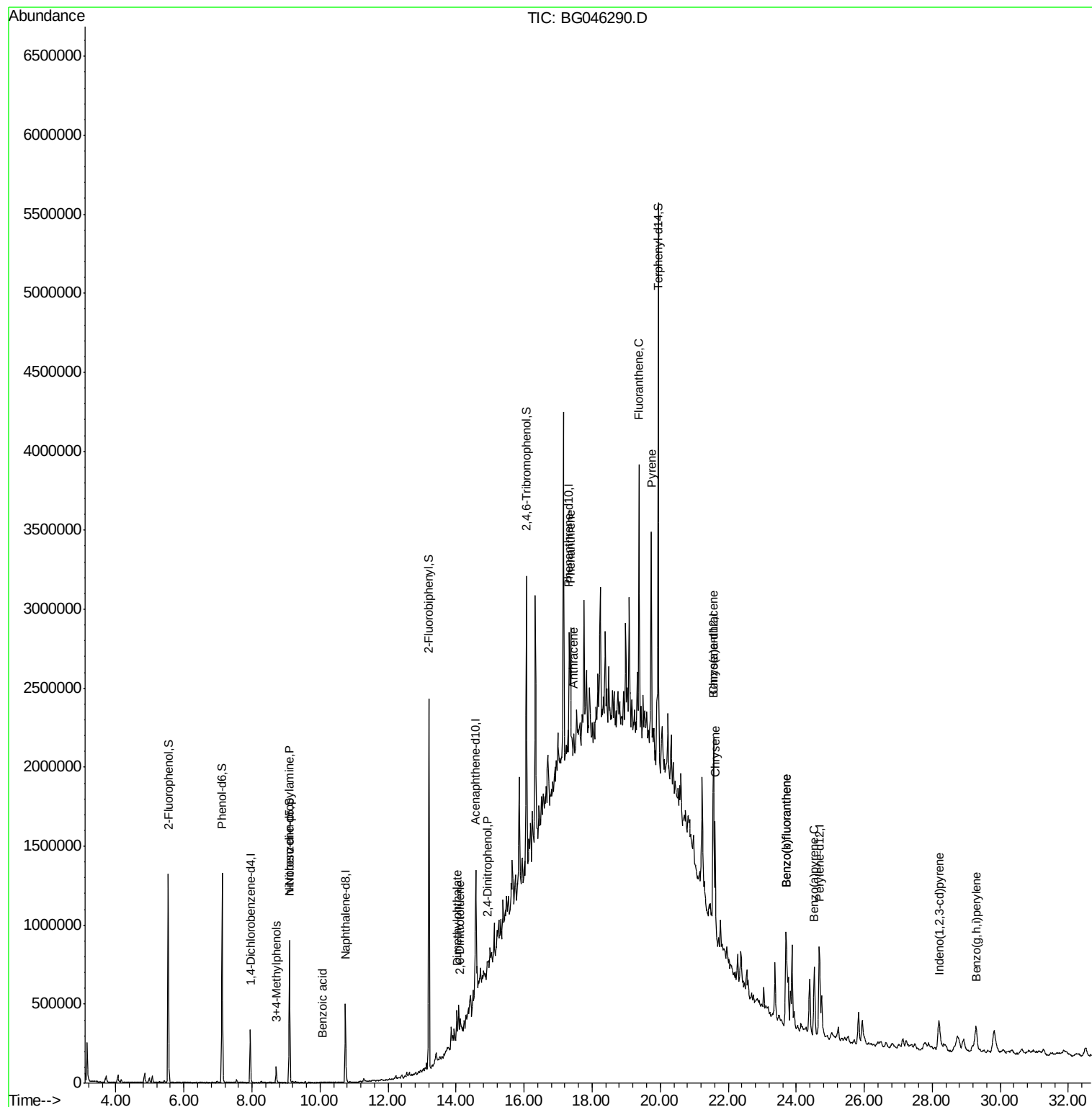
						Qvalue
19) n-Nitroso-di-n-propylamine	9.10	70	74296	13.647	ng	# 76
20) 3+4-Methylphenols	8.71	107	49729	6.403	ng	90
32) Benzoic acid	10.06	122	191	9.442	ng	93
50) Dimethylphthalate	14.03	163	118491	5.833	ng	# 97
51) 2,6-Dinitrotoluene	14.12	165	10805	2.285	ng	# 33
54) 2,4-Dinitrophenol	14.92	184	58	7.084	ng	# 1
71) Phenanthrene	17.37	178	453251	15.992	ng	96
72) Anthracene	17.45	178	72253	2.563	ng	# 82
75) Fluoranthene	19.38	202	905486	25.589	ng	99
78) Pyrene	19.74	202	899279	24.565	ng	98
81) Benzo(a)anthracene	21.56	228	522027	14.318	ng	99
83) Chrysene	21.62	228	544123	15.234	ng	98
87) Indeno(1,2,3-cd)pyrene	28.19	276	340841	7.308	ng	97
88) Benzo(b)fluoranthene	23.70	252	734008	17.912	ng	99
89) Benzo(k)fluoranthene	23.70	252	734008	18.262	ng	98
90) Benzo(a)pyrene	24.53	252	496841	13.030	ng	99
92) Benzo(a,h,i)perylene	29.29	276	333867	8.479	ng	97

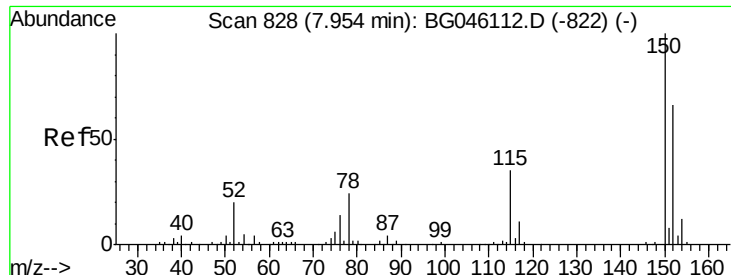
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
Data File : BG046290.D
Acq On : 15 Aug 2020 00:45
Operator : CG/JU
Sample : L3662-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-374

Quant Time: Aug 17 00:49:36 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

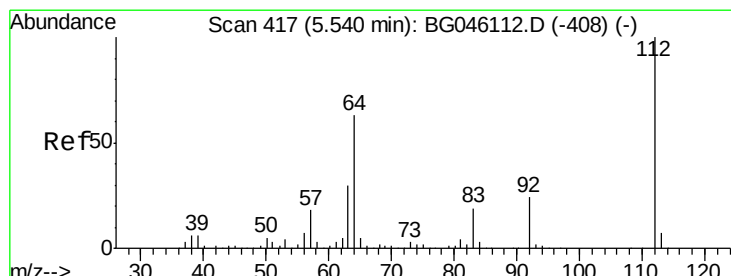
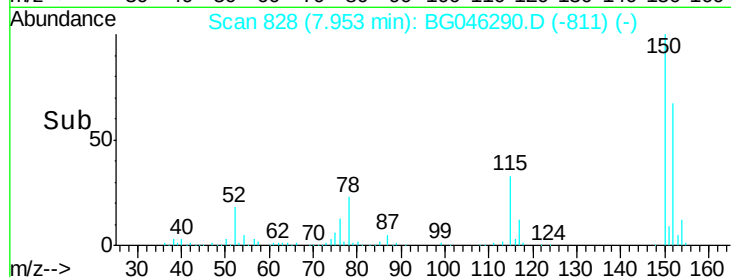
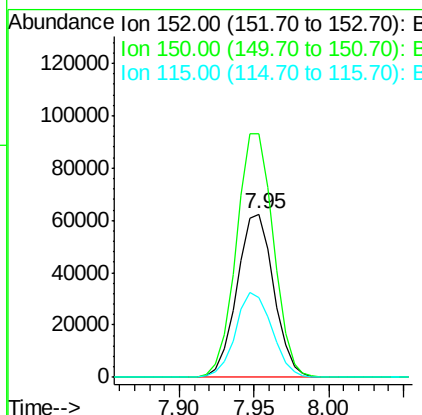
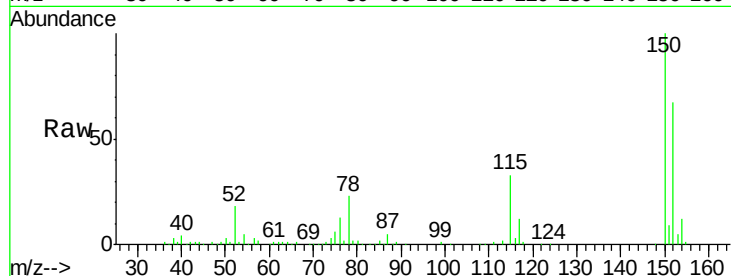




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.95 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BG046290.D
 Acq: 15 Aug 2020 00:45

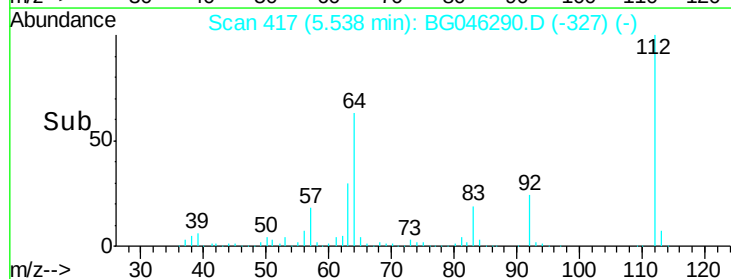
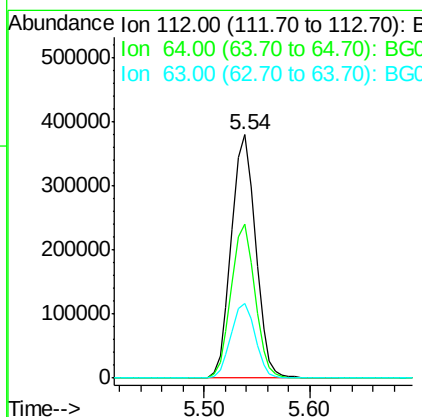
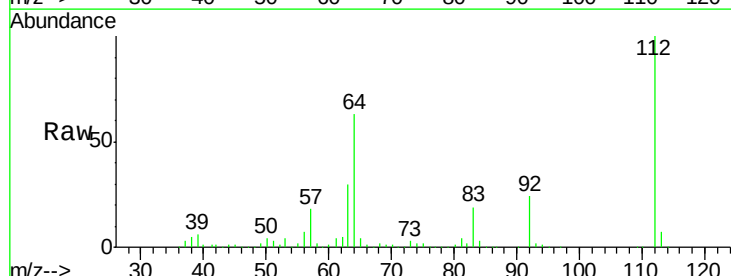
Instrument :
 BNA_G
 ClientSampleId :
 RBR-374

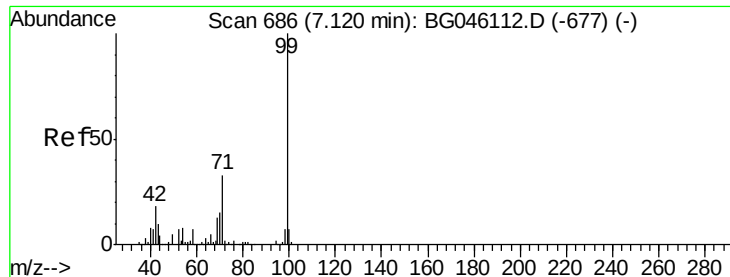
Tot Ion:152 Resp: 106701
 Ion Ratio Lower Upper
 152 100
 150 148.8 122.1 183.1
 115 48.9 43.2 64.8



#5
 2-Fluorophenol
 Concen: 97.987 ng
 RT: 5.54 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: BG046290.D
 Acq: 15 Aug 2020 00:45

Tgt Ion:112 Resp: 601443
 Ion Ratio Lower Upper
 112 100
 64 63.2 50.2 75.2
 63 30.4 24.2 36.4





#7

Phenol-d6

Concen: 98.398 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampleId :

RBR-374

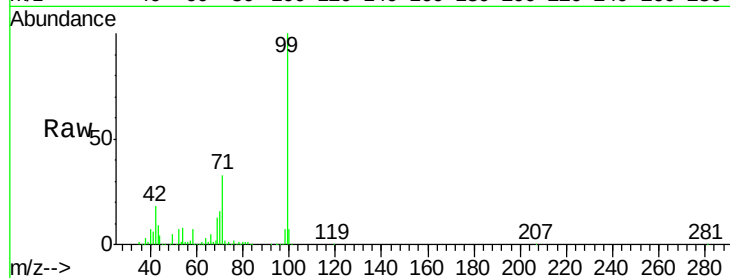
Tot Ion: 99 Resp: 823127

Ion Ratio Lower Upper

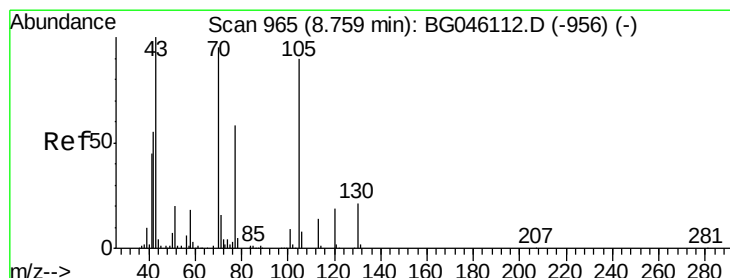
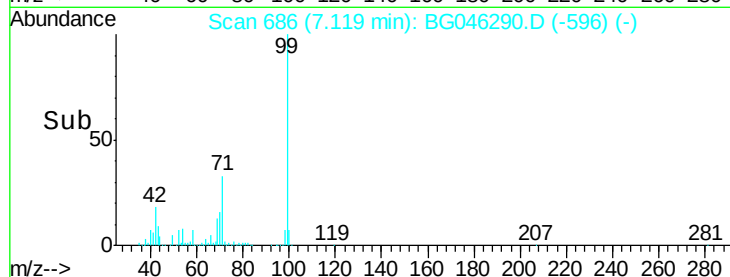
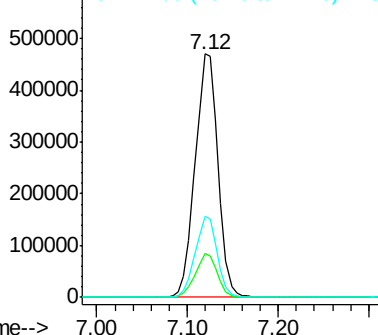
99 100

42 17.9 14.7 22.1

71 33.3 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: 13.647 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Tgt Ion: 70 Resp: 74296

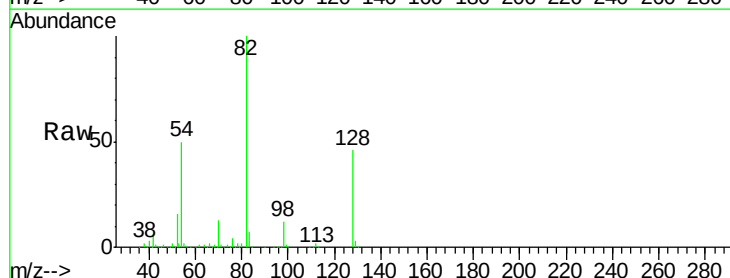
Ion Ratio Lower Upper

70 100

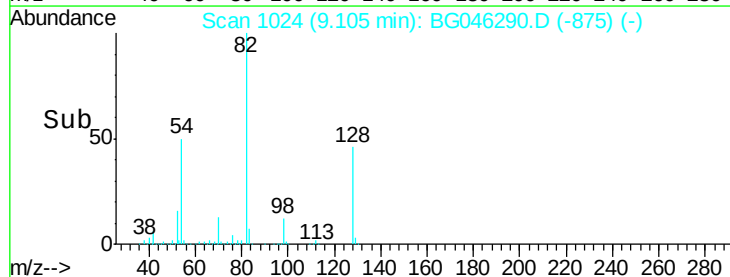
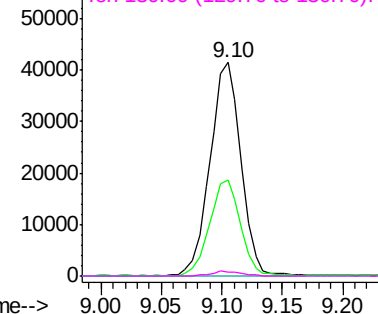
42 44.9 46.5 69.7#

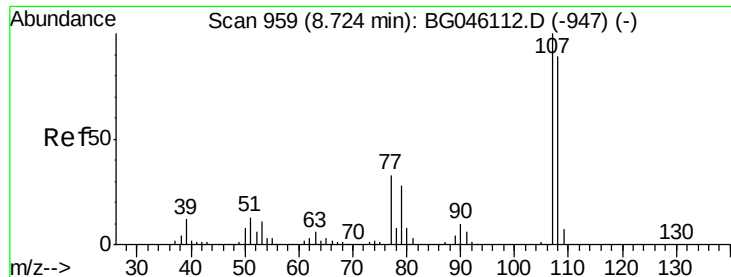
101 0.0 7.6 11.4#

130 2.1 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





#20

3+4-Methylphenols

Concen: 6.403 ng

RT: 8.71 min Scan# 957

Delta R.T. -0.01 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampleId :

RBR-374

Tot Ion:107 Resp: 49729

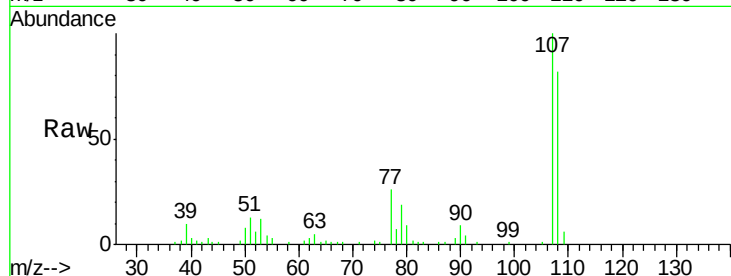
Ion Ratio Lower Upper

107 100

108 82.2 69.1 109.1

77 26.3 12.5 52.5

79 19.2 8.4 48.4

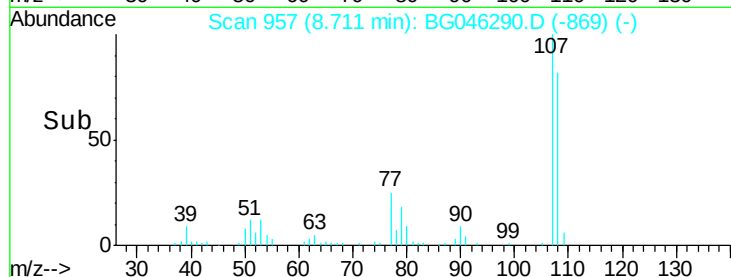


Abundance Ion 107.00 (106.70 to 107.70): E

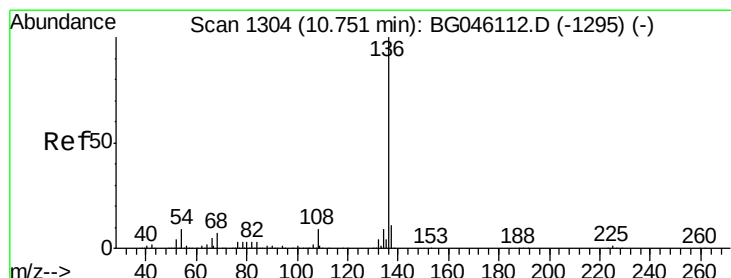
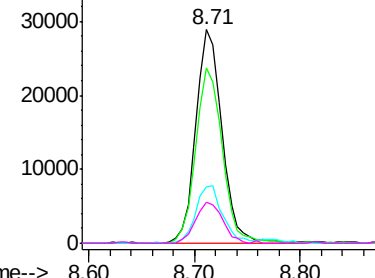
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.74 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Tgt Ion:136 Resp: 444027

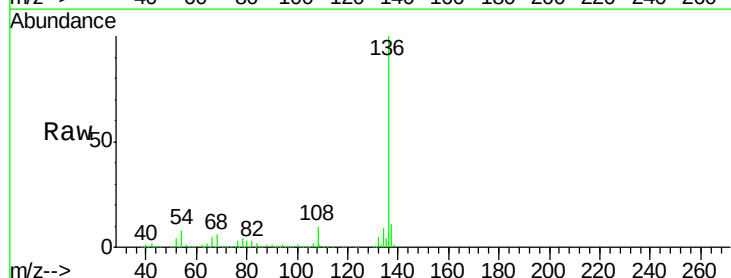
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.9 7.0 10.4

68 6.0 5.3 7.9

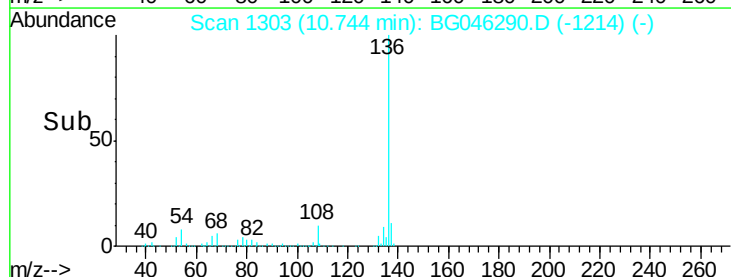


Abundance Ion 136.00 (135.70 to 136.70): E

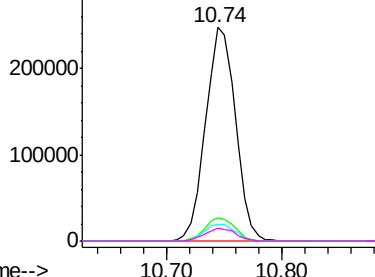
Ion 137.00 (136.70 to 137.70): E

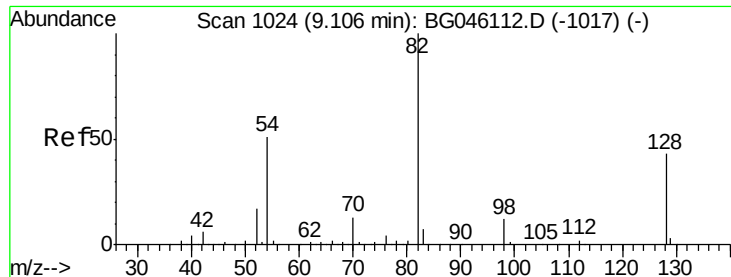
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

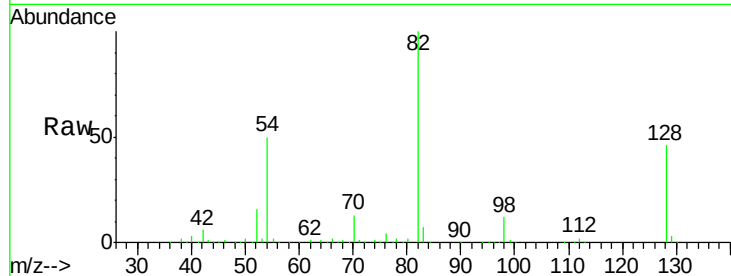




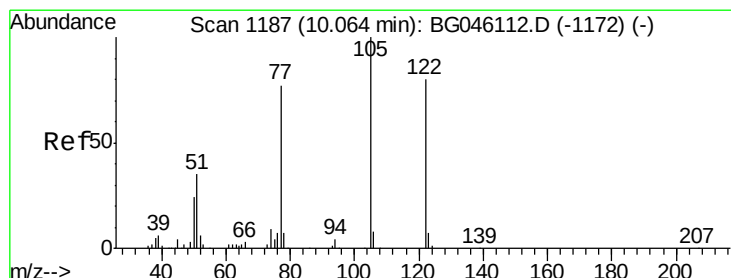
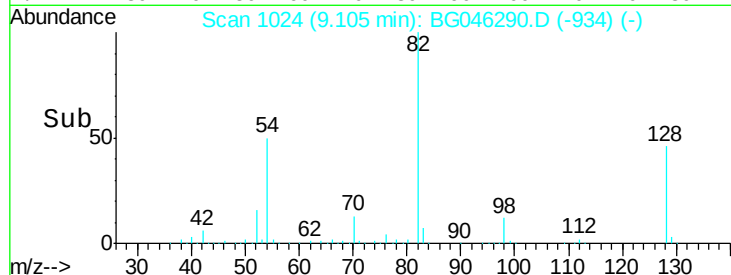
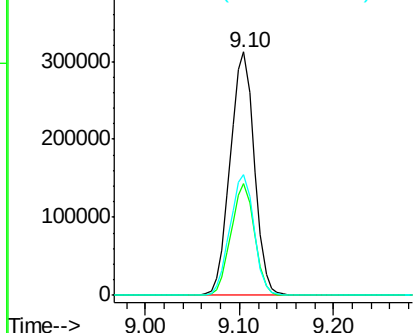
#23
 Nitrobenzene-d5
 Concen: 67.969 ng
 RT: 9.10 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BG046290.D
 Acq: 15 Aug 2020 00:45

Instrument :
 BNA_G
 ClientSampled :
 RBR-374

Tot Ion: 82 Resp: 557413
 Ion Ratio Lower Upper
 82 100
 128 45.7 34.4 51.6
 54 49.7 40.8 61.2

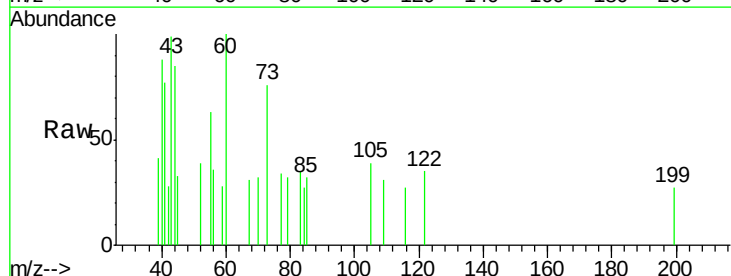


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

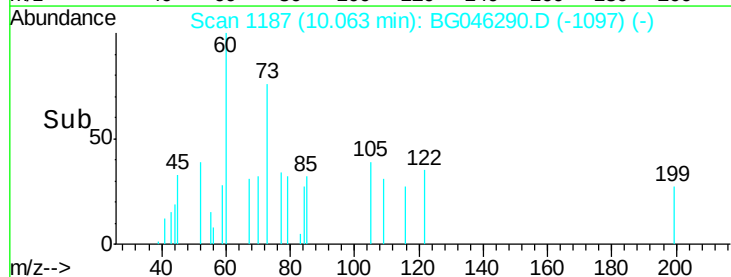
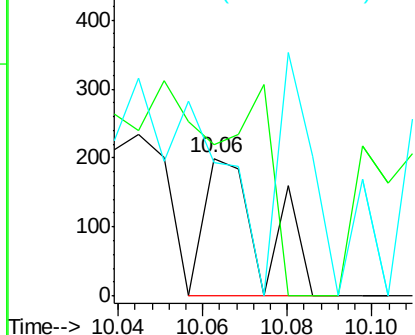


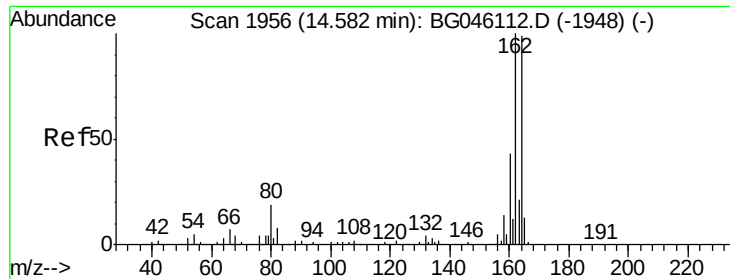
#32
 Benzoic acid
 Concen: 9.442 ng
 RT: 10.06 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BG046290.D
 Acq: 15 Aug 2020 00:45

Tgt Ion: 122 Resp: 191
 Ion Ratio Lower Upper
 122 100
 105 110.6 103.0 143.0
 77 97.0 75.2 115.2



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampleId :

RBR-374

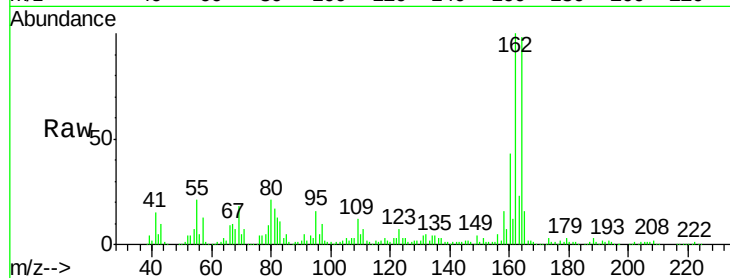
Tot Ion:164 Resp: 264674

Ion Ratio Lower Upper

164 100

162 102.0 80.6 121.0

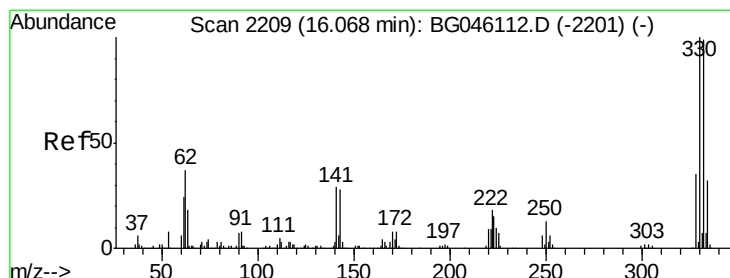
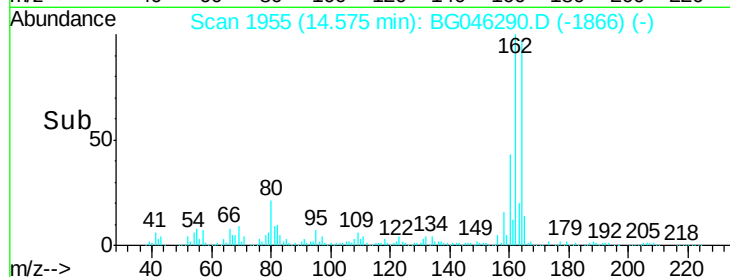
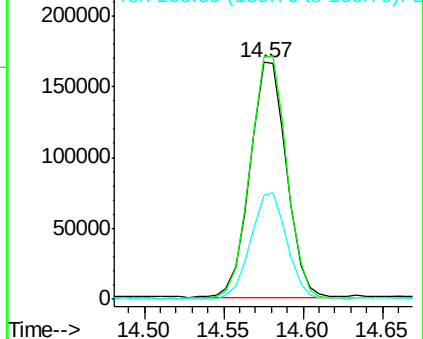
160 44.2 34.9 52.3



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: 99.898 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

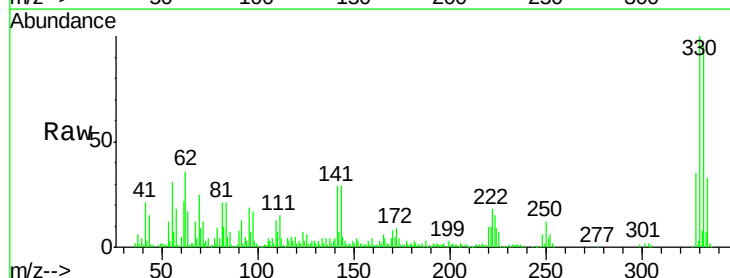
Tgt Ion:330 Resp: 406119

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

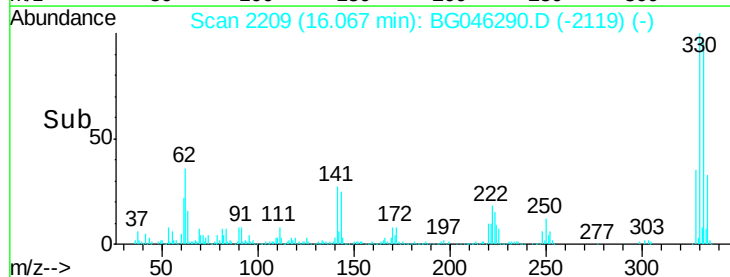
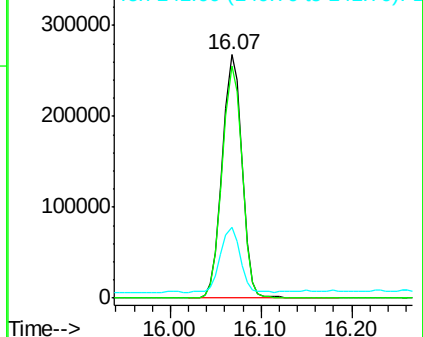
141 26.7 23.4 35.0

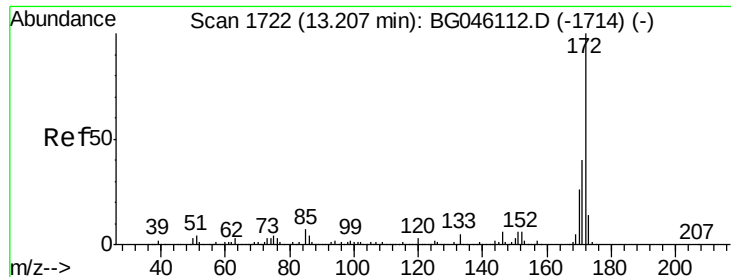


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

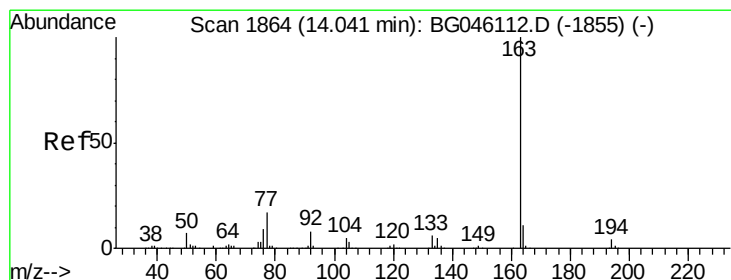
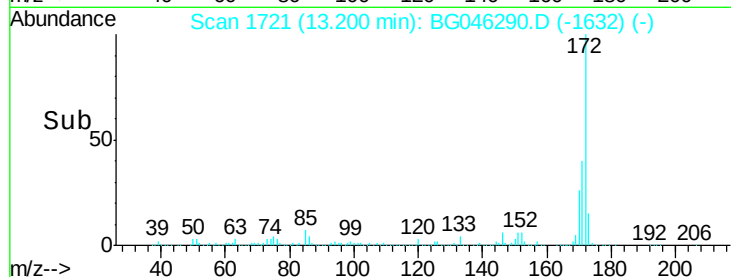
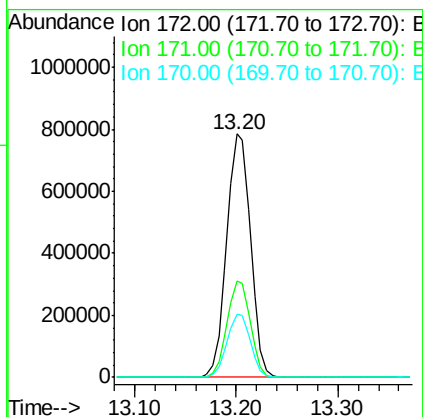
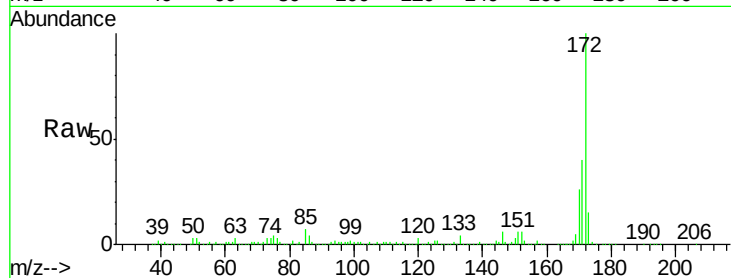




#45
2-Fluorobiphenyl
Concen: 70.394 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.01 min
Lab File: BG046290.D
Acq: 15 Aug 2020 00:45

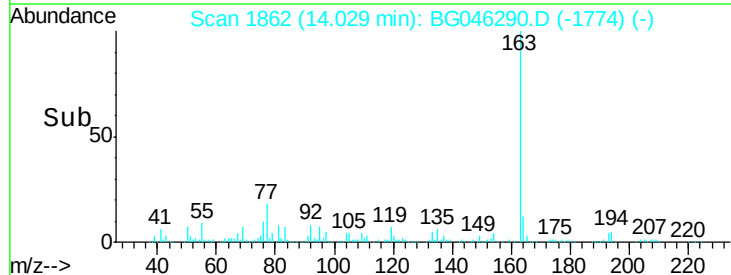
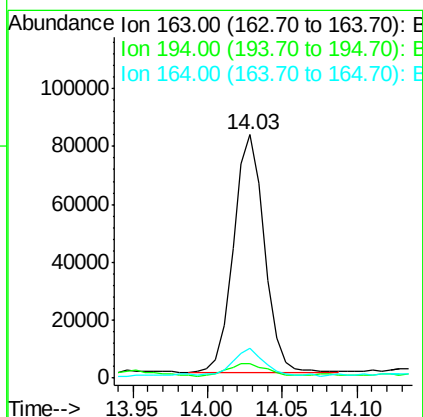
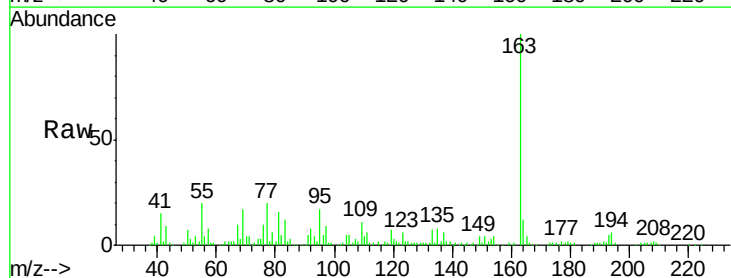
Instrument :
BNA_G
ClientSampleId :
RBR-374

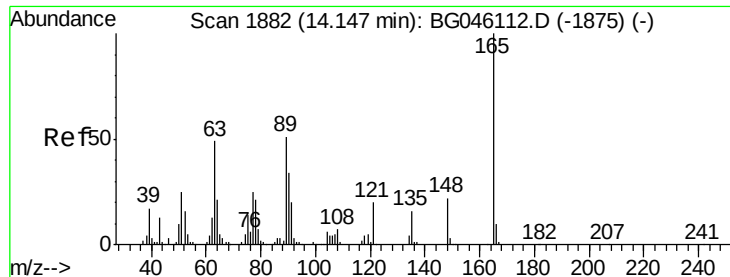
Tot Ion:172 Resp: 1282593
Ion Ratio Lower Upper
172 100
171 39.8 31.7 47.5
170 26.2 20.9 31.3



#50
Dimethylphthalate
Concen: 5.833 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BG046290.D
Acq: 15 Aug 2020 00:45

Tgt Ion:163 Resp: 118491
Ion Ratio Lower Upper
163 100
194 6.0 3.5 5.3#
164 12.1 8.8 13.2





#51

2,6-Dinitrotoluene

Concen: 2.285 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.02 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampleId :

RBR-374

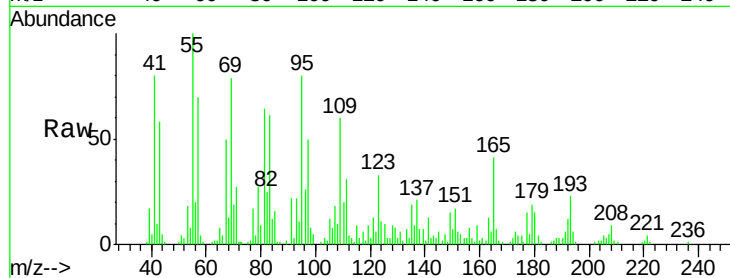
Tot Ion:165 Resp: 10805

Ion Ratio Lower Upper

165 100

63 4.4 39.7 59.5#

89 3.8 41.0 61.6#



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

12000

10000

8000

6000

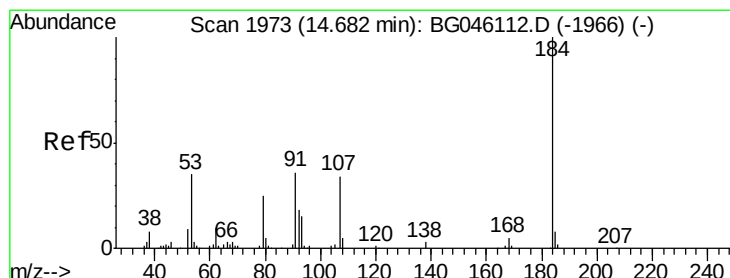
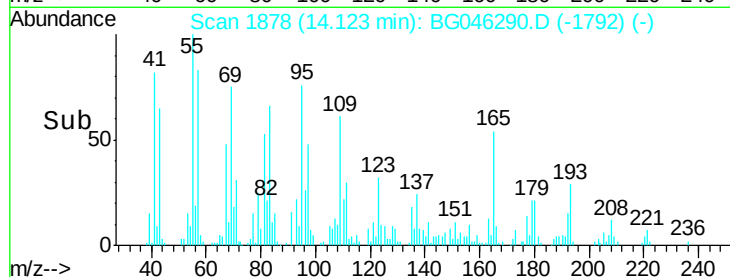
4000

2000

0

14.10 14.15

Time-->



#54

2,4-Dinitrophenol

Concen: 7.084 ng

RT: 14.92 min Scan# 2014

Delta R.T. 0.24 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

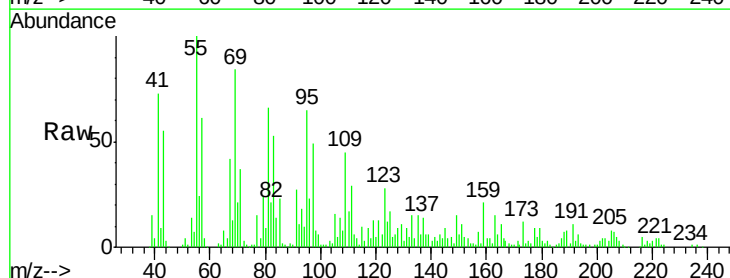
Tgt Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

63 495.2 36.7 55.1#

154 455.8 41.3 61.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

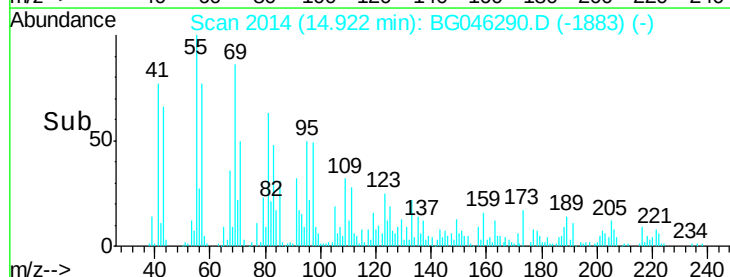
1000

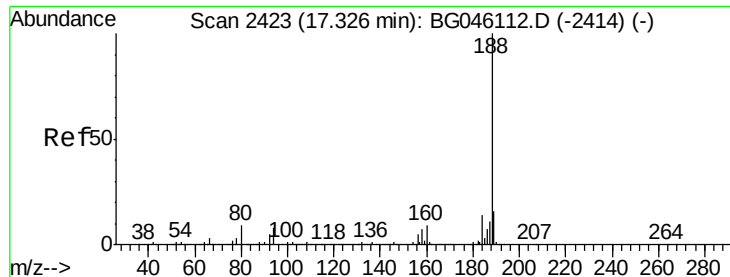
500

0

14.90 14.92 14.94

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2423

Delta R.T. -0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampleId :

RBR-374

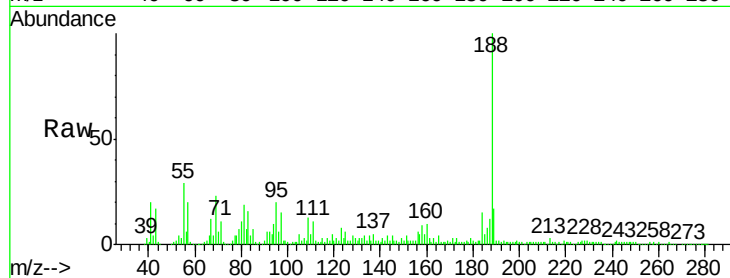
Tot Ion:188 Resp: 517419

Ion Ratio Lower Upper

188 100

94 10.3 6.4 9.6#

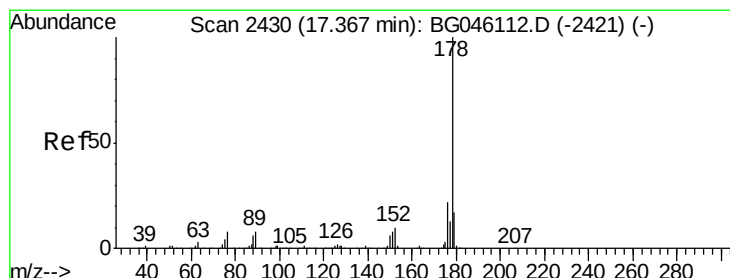
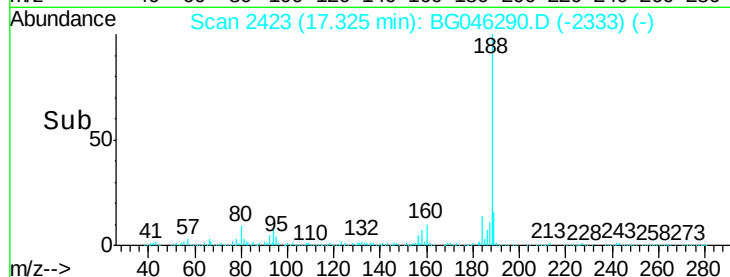
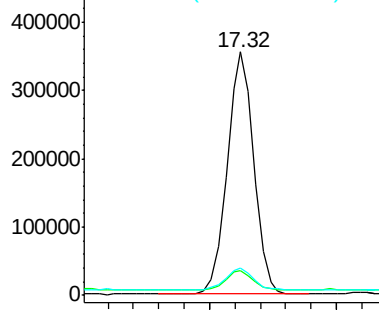
80 11.4 7.4 11.0#



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



#71

Phenanthrene

Concen: 15.992 ng

RT: 17.37 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

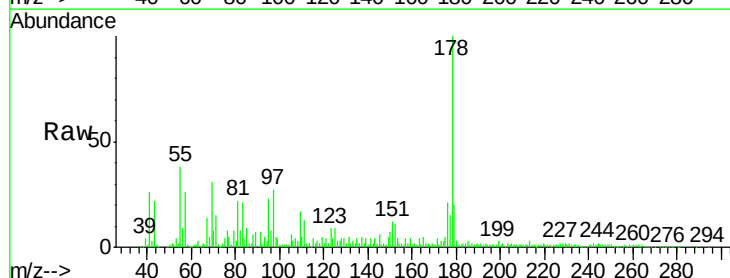
Tgt Ion:178 Resp: 453251

Ion Ratio Lower Upper

178 100

176 20.7 17.3 25.9

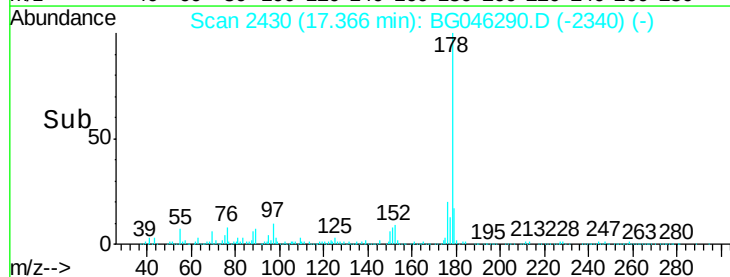
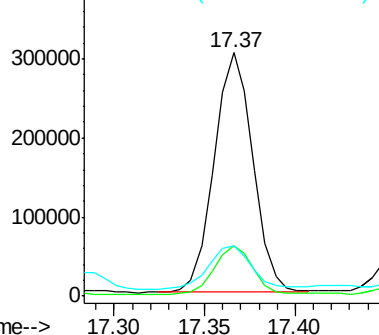
179 20.5 13.8 20.6

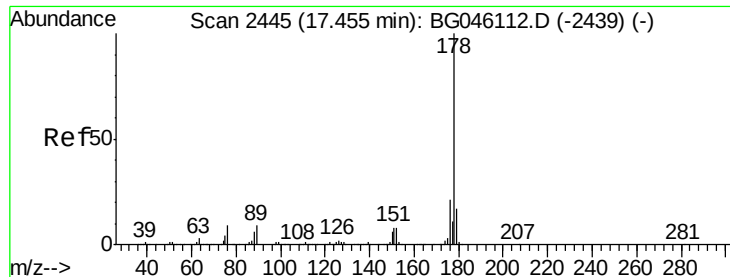


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

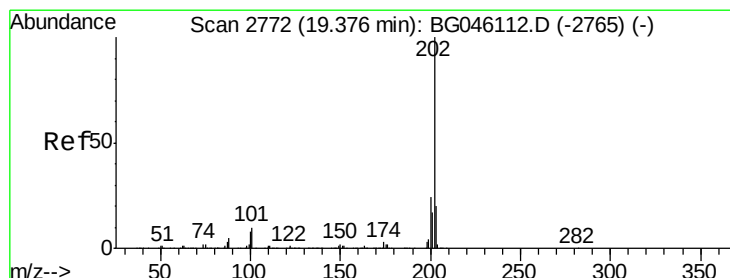
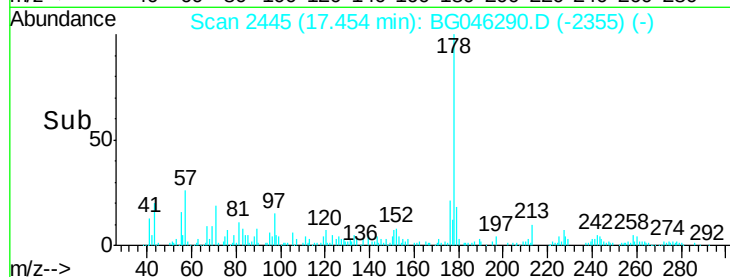
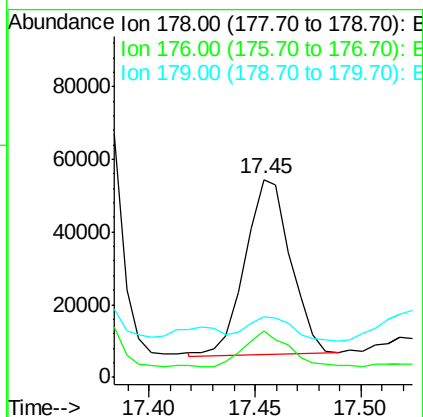
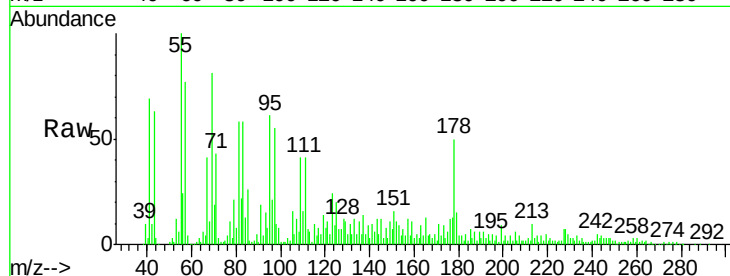




#72
 Anthracene
 Concen: 2.563 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.00 min
 Lab File: BG046290.D
 Acq: 15 Aug 2020 00:45

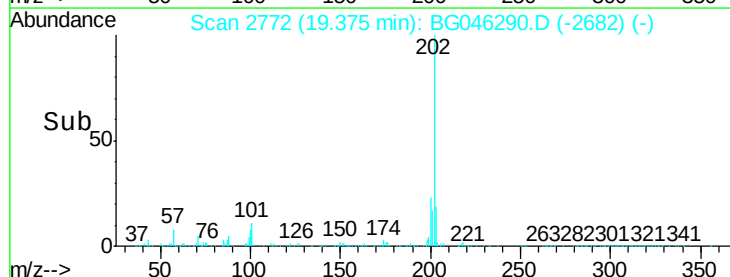
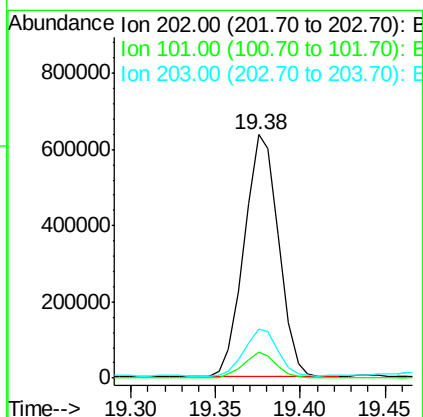
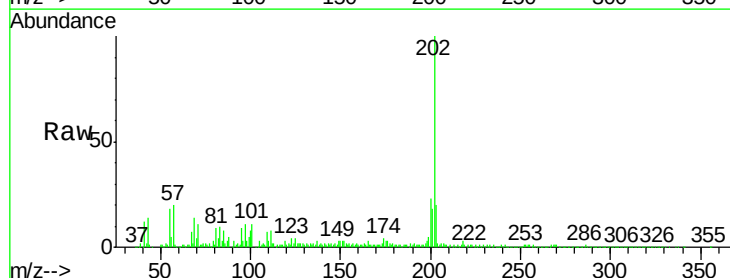
Instrument :
 BNA_G
 ClientSampleId :
 RBR-374

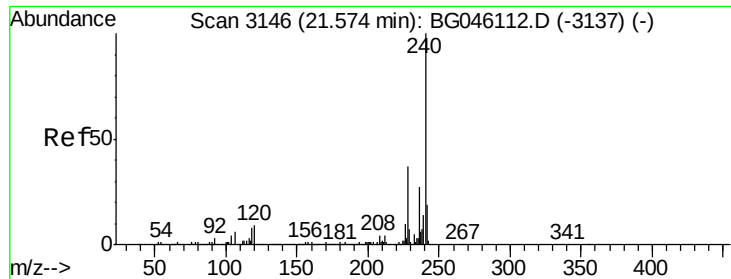
Tot Ion:178 Resp: 72253
 Ion Ratio Lower Upper
 178 100
 176 23.4 16.6 24.8
 179 30.8 13.4 20.2#



#75
 Fluoranthene
 Concen: 25.589 ng
 RT: 19.38 min Scan# 2772
 Delta R.T. -0.00 min
 Lab File: BG046290.D
 Acq: 15 Aug 2020 00:45

Tgt Ion:202 Resp: 905486
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.0
 203 20.2 0.2 40.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampleId :

RBR-374

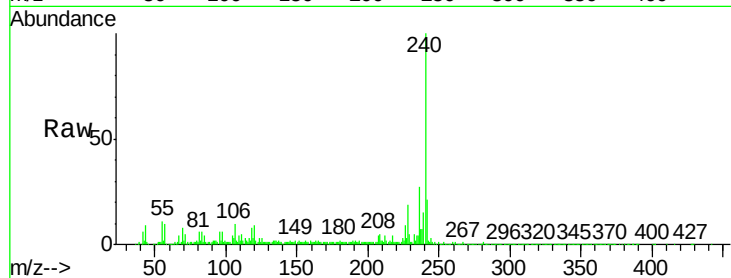
Tot Ion:240 Resp: 544831

Ion Ratio Lower Upper

240 100

120 8.8 7.1 10.7

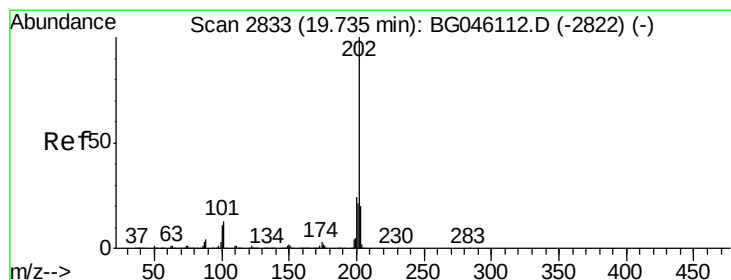
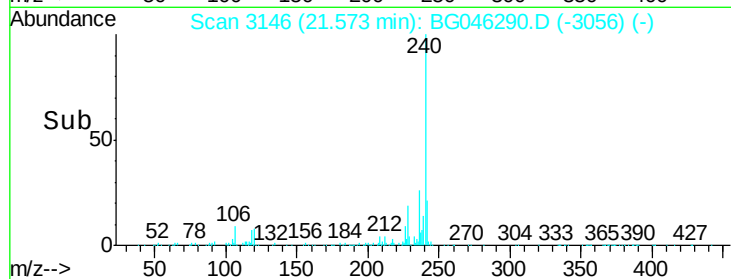
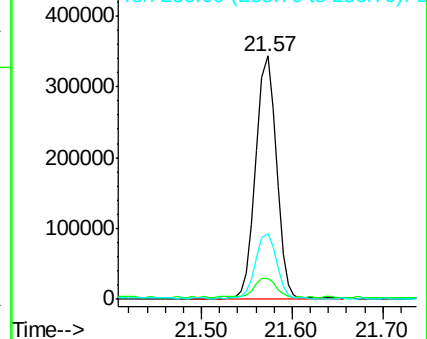
236 27.2 21.7 32.5



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: 24.565 ng

RT: 19.74 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

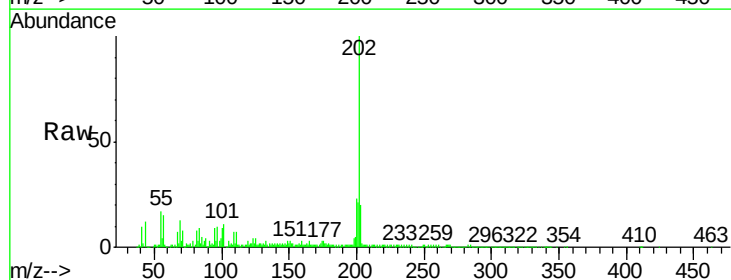
Tgt Ion:202 Resp: 899279

Ion Ratio Lower Upper

202 100

200 23.2 19.5 29.3

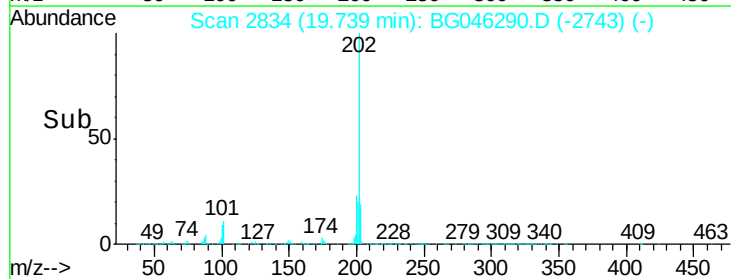
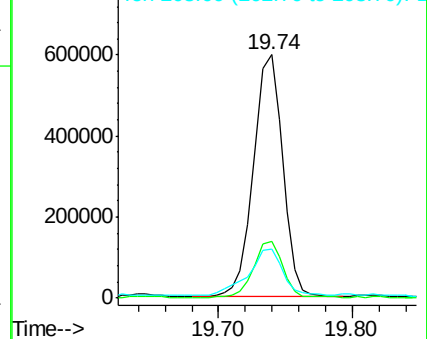
203 20.0 16.2 24.2

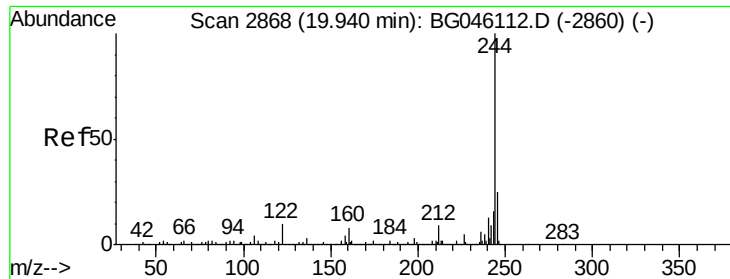


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 57.300 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampleId :

RBR-374

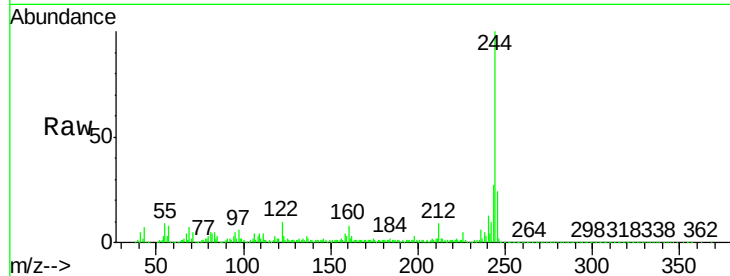
Tot Ion:244 Resp: 1532869

Ion Ratio Lower Upper

244 100

212 8.7 7.2 10.8

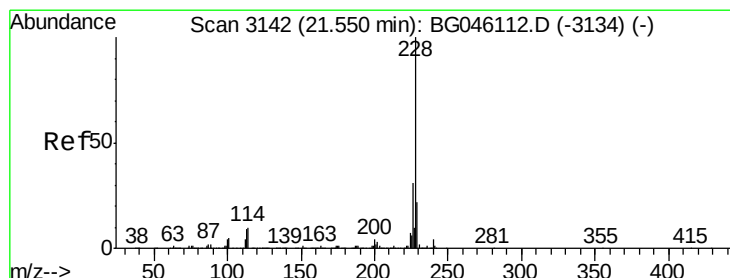
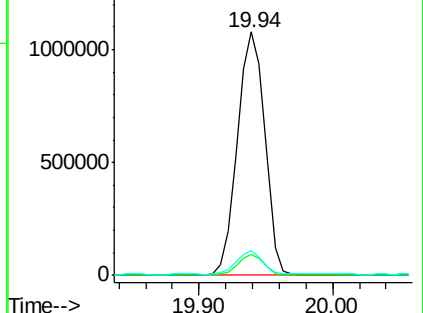
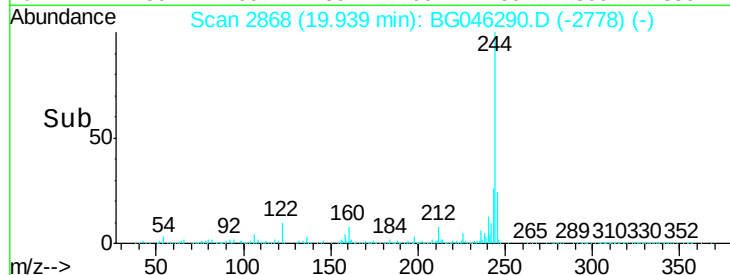
122 10.3 8.3 12.5



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: 14.318 ng

RT: 21.56 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

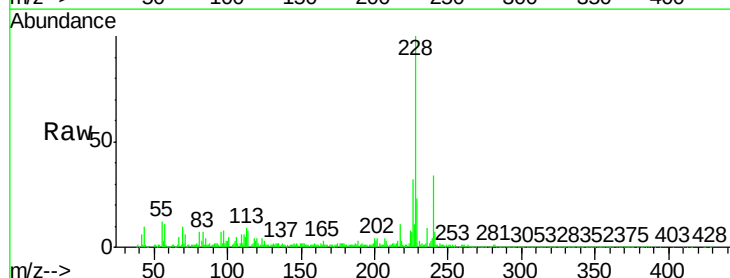
Tgt Ion:228 Resp: 522027

Ion Ratio Lower Upper

228 100

226 31.8 24.7 37.1

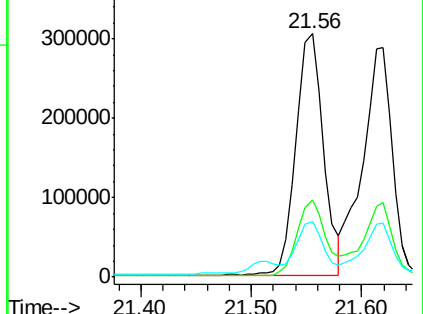
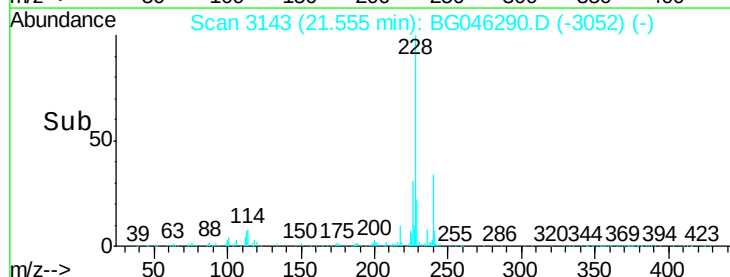
229 22.7 17.8 26.8

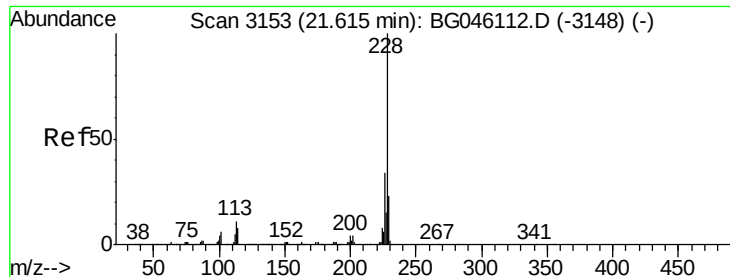


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 15.234 ng

RT: 21.62 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampled :

RBR-374

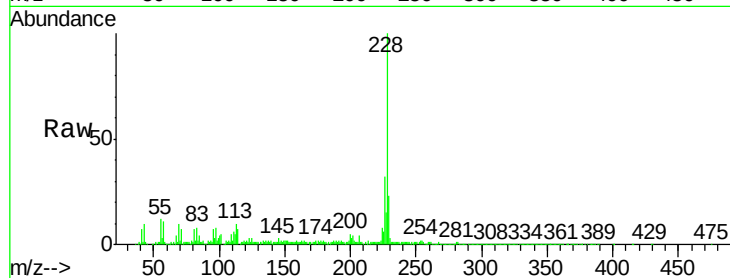
Tot Ion:228 Resp: 544123

Ion Ratio Lower Upper

228 100

226 32.3 26.9 40.3

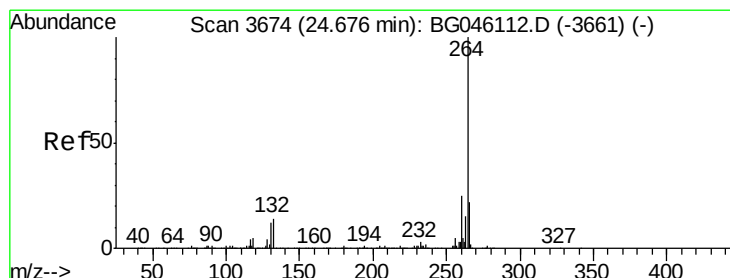
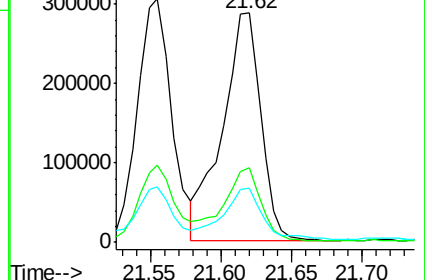
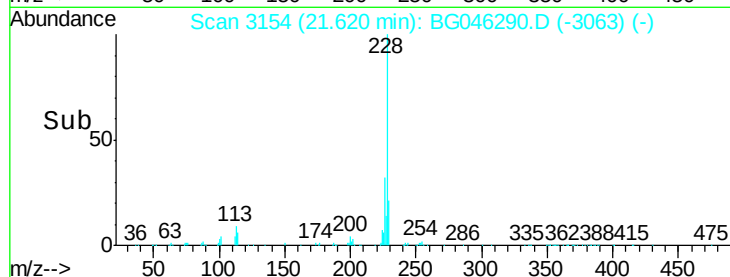
229 23.4 18.2 27.4



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: 24.68 min Scan# 3675

Delta R.T. 0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

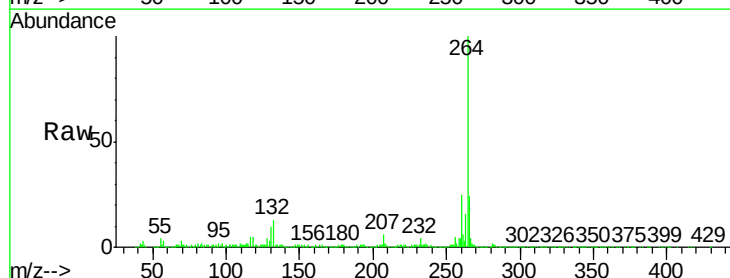
Tgt Ion:264 Resp: 611507

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

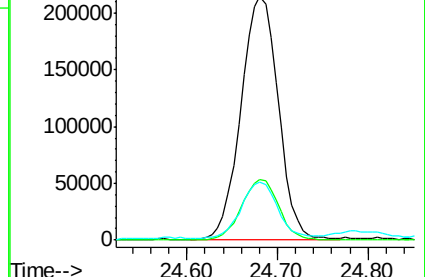
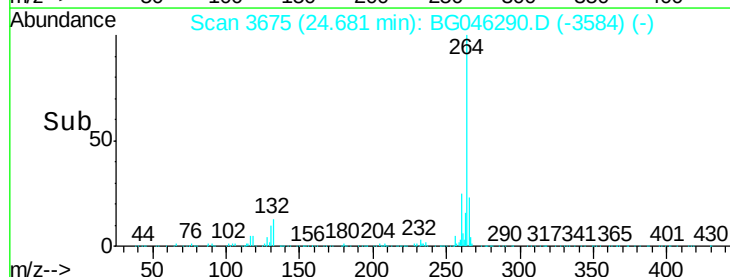
265 23.8 17.6 26.4

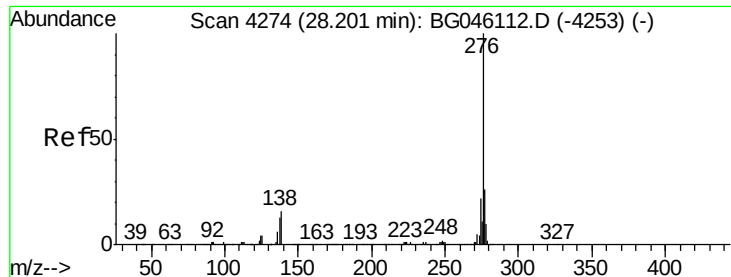


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

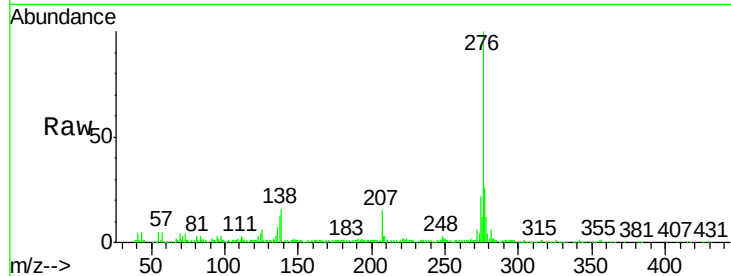




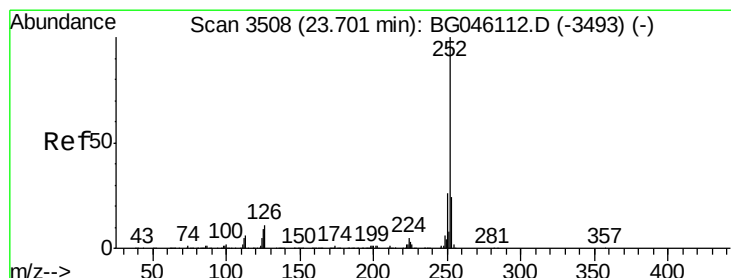
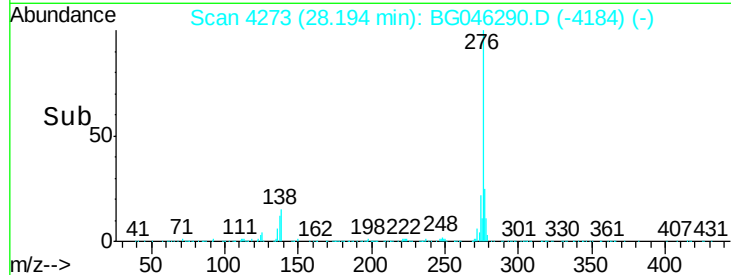
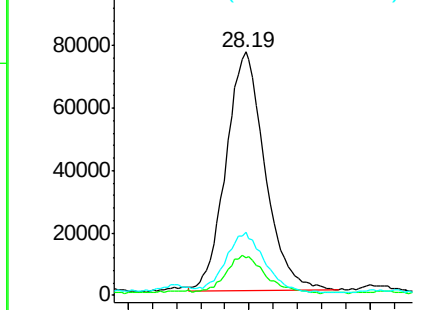
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.308 ng
 RT: 28.19 min Scan# 4273
 Delta R.T. -0.01 min
 Lab File: BG046290.D
 Acq: 15 Aug 2020 00:45

Instrument :
 BNA_G
 ClientSampleId :
 RBR-374

Tot Ion:276	Resp:	340841
Ion Ratio	Lower	Upper
276	100	
138	16.2	11.6 17.4
277	24.9	20.8 31.2

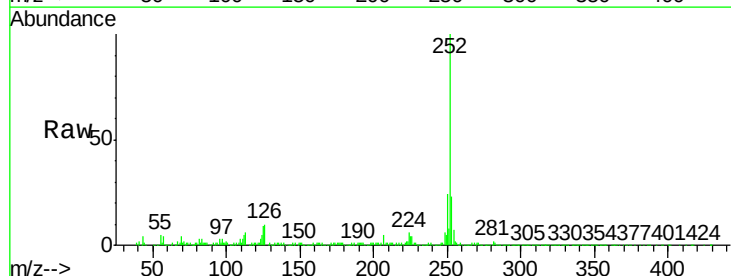


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

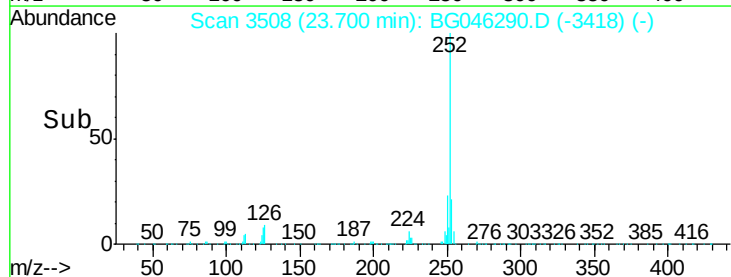
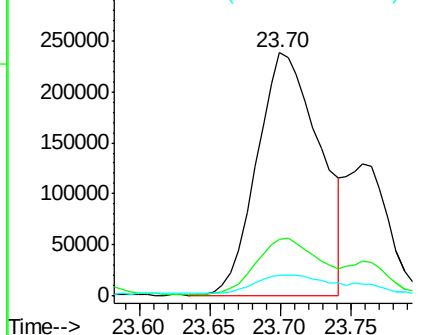


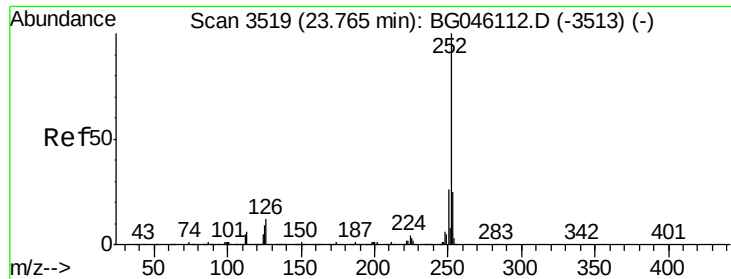
#88
 Benzo(b)fluoranthene
 Concen: 17.912 ng
 RT: 23.70 min Scan# 3508
 Delta R.T. -0.00 min
 Lab File: BG046290.D
 Acq: 15 Aug 2020 00:45

Tgt Ion:252	Resp:	734008
Ion Ratio	Lower	Upper
252	100	
253	23.3	19.2 28.8
125	8.8	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: 18.262 ng

RT: 23.70 min Scan# 3508

Delta R.T. -0.07 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampleId :

RBR-374

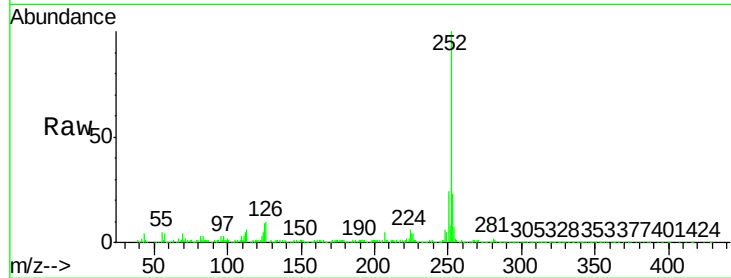
Tot Ion:252 Resp: 734008

Ion Ratio Lower Upper

252 100

253 23.3 19.5 29.3

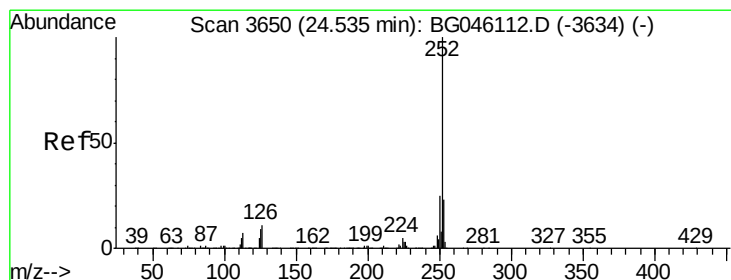
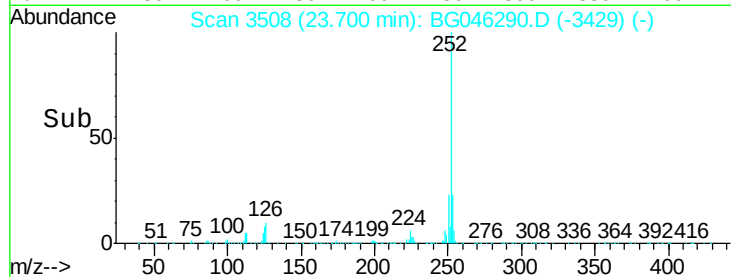
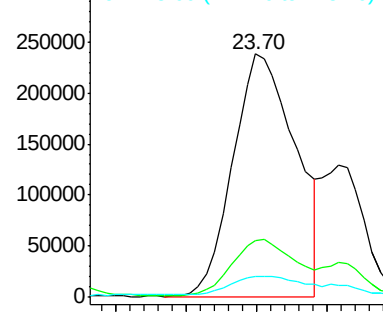
125 8.8 7.3 10.9



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: 13.030 ng

RT: 24.53 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

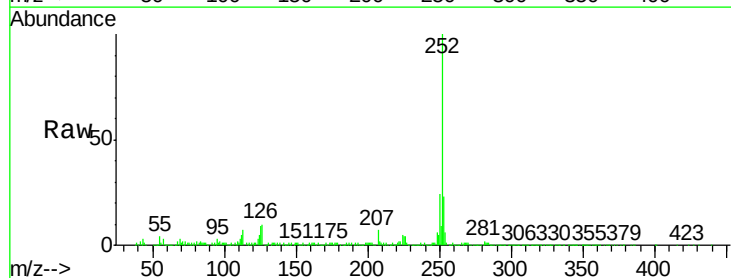
Tgt Ion:252 Resp: 496841

Ion Ratio Lower Upper

252 100

253 22.6 18.6 27.8

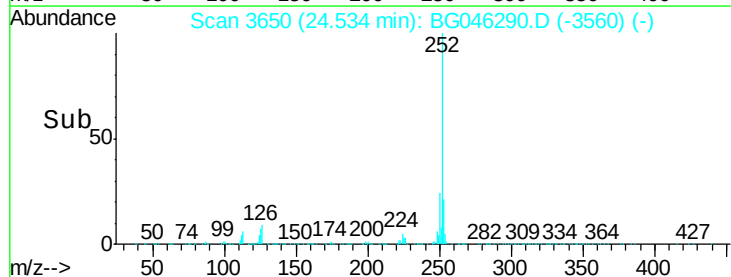
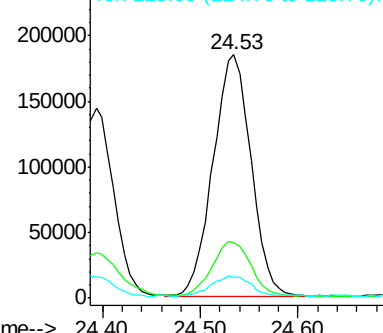
125 8.6 7.1 10.7

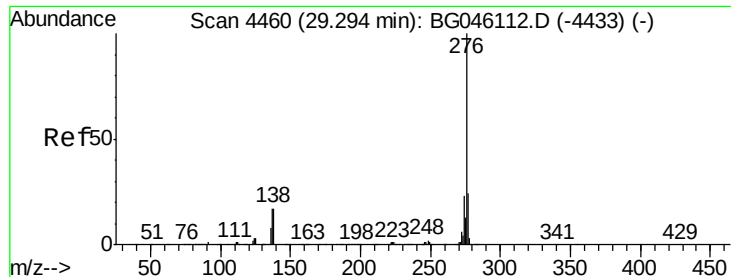


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 8.479 ng

RT: 29.29 min Scan# 4459

Delta R.T. -0.01 min

Lab File: BG046290.D

Acq: 15 Aug 2020 00:45

Instrument :

BNA_G

ClientSampleId :

RBR-374

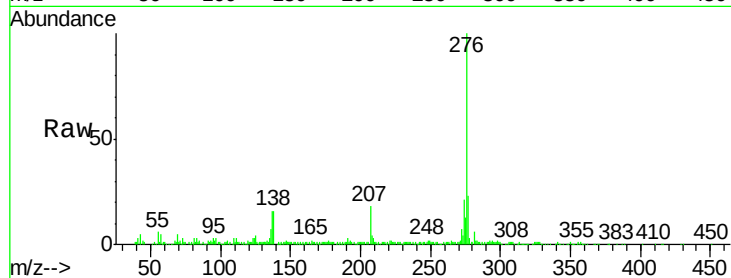
Tot Ion:276 Resp: 333867

Ion Ratio Lower Upper

276 100

277 22.9 19.5 29.3

138 16.3 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

