

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\
 Data File : BG046292.D
 Acq On : 15 Aug 2020 2:06
 Operator : CG/JU
 Sample : L3660-08 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-58

Quant Time: Aug 17 02:58:28 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

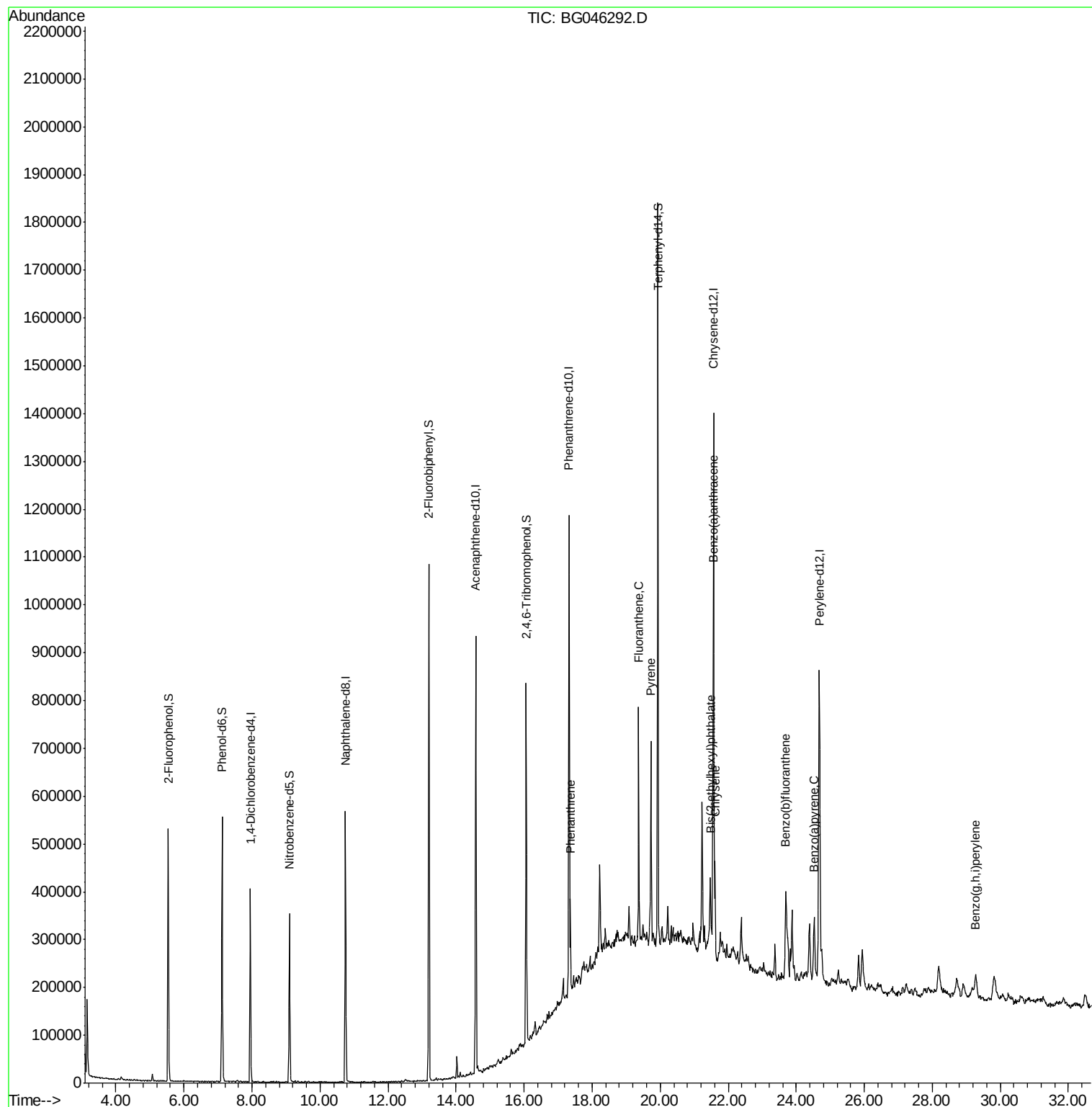
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	126125	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	513313	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	330077	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	648963	20.00	ng	0.00
76) Chrysene-d12	21.57	240	656091	20.00	ng	0.00
86) Perylene-d12	24.68	264	699686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	253487	34.94	ng	0.00
7) Phenol-d6	7.12	99	339390	34.32	ng	0.00
23) Nitrobenzene-d5	9.10	82	227711	24.02	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	172631	34.05	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	586376	25.81	ng	0.00
79) Terphenyl-d14	19.93	244	747588	23.21	ng	0.00
Target Compounds						
71) Phenanthrene	17.36	178	122398	3.443	ng	97
75) Fluoranthene	19.37	202	323422	7.287	ng	96
78) Pyrene	19.73	202	276802	6.279	ng	95
81) Benzo(a)anthracene	21.55	228	144625	3.294	ng	97
83) Chrysene	21.61	228	163012	3.790	ng	96
84) Bis(2-ethylhexyl)phthalate	21.47	149	46581	2.040	ng	# 99
88) Benzo(b)fluoranthene	23.69	252	241582	5.152	ng	98
90) Benzo(a)pyrene	24.53	252	153450	3.517	ng	98
92) Benzo(g,h,i)perylene	29.27	276	105113	2.333	ng	98

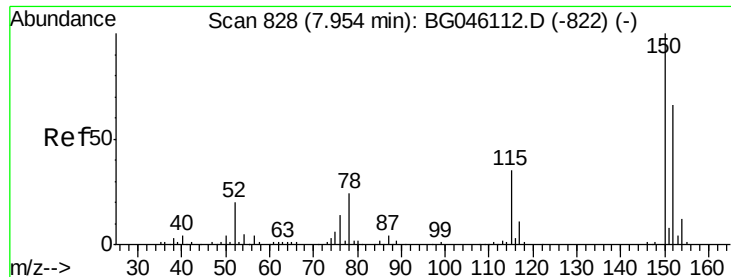
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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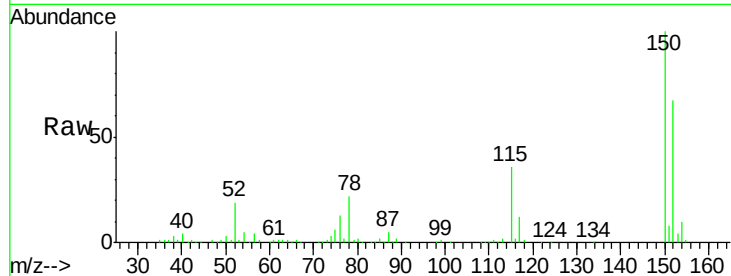


#1

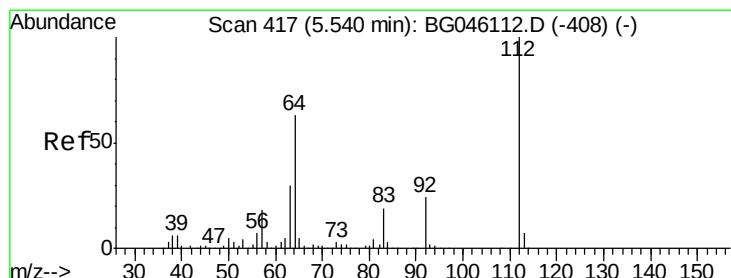
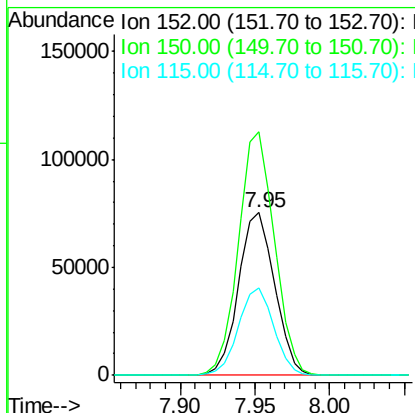
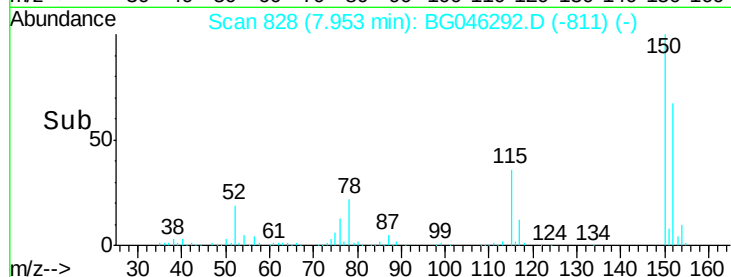
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG046292.D
Acq: 15 Aug 2020 2:06

Instrument :
BNA_G
ClientSampled :
RBR-58

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	122.1	183.1
115	53.7	43.2	64.8



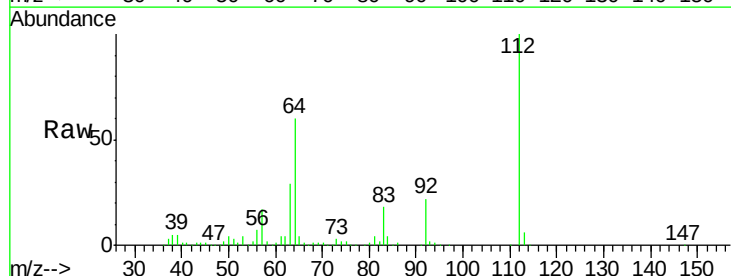
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



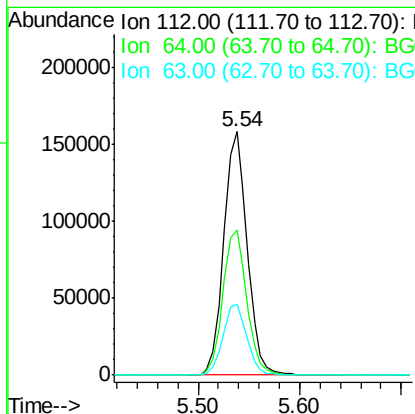
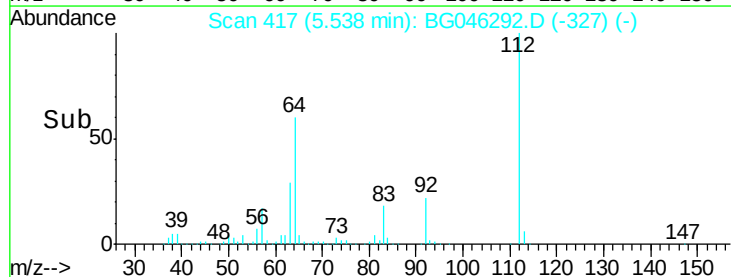
#5

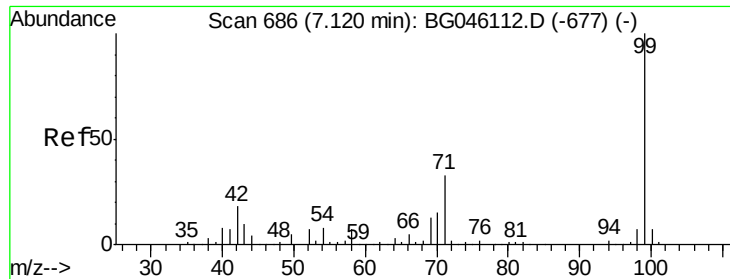
2-Fluorophenol
Concen: 34.938 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG046292.D
Acq: 15 Aug 2020 2:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	50.2	75.2
63	28.9	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: 34.323 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

Instrument :

BNA_G

ClientSampled :

RBR-58

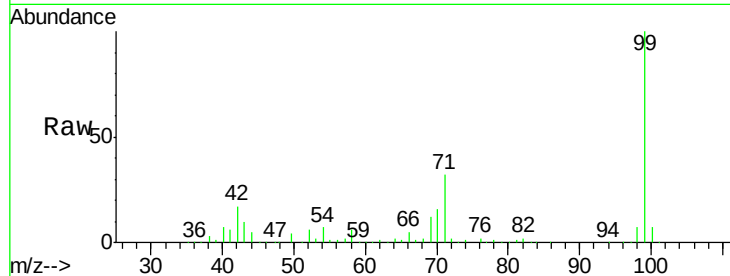
Tot Ion: 99 Resp: 339390

Ion Ratio Lower Upper

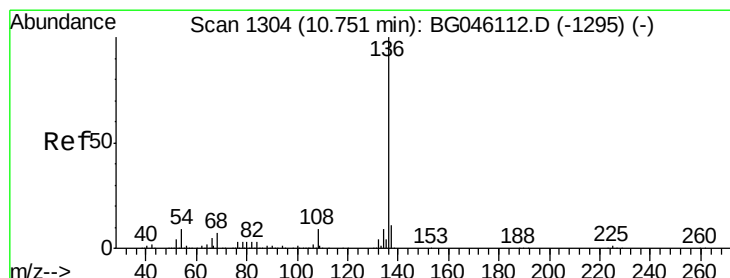
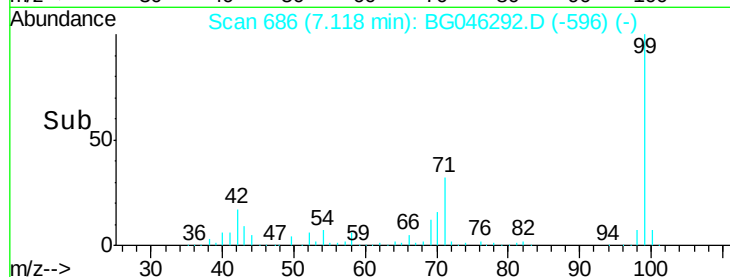
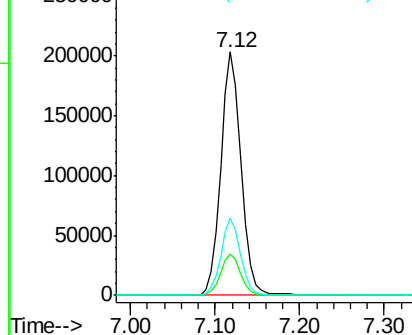
99 100

42 16.8 14.7 22.1

71 31.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

Tgt Ion: 136 Resp: 513313

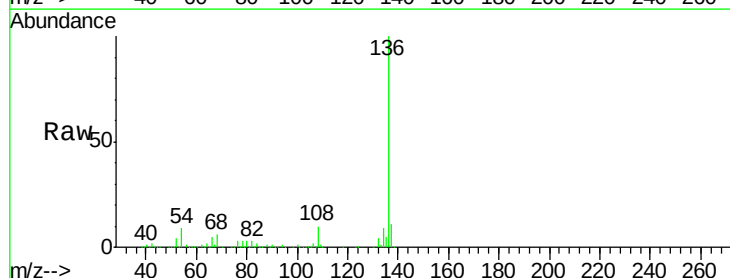
Ion Ratio Lower Upper

136 100

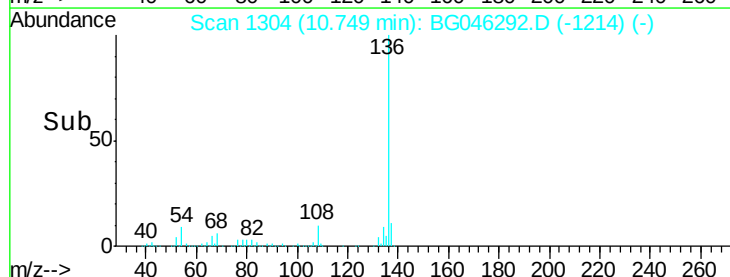
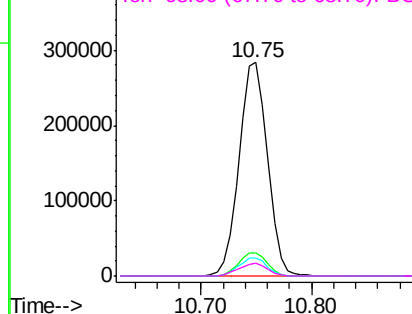
137 11.0 8.8 13.2

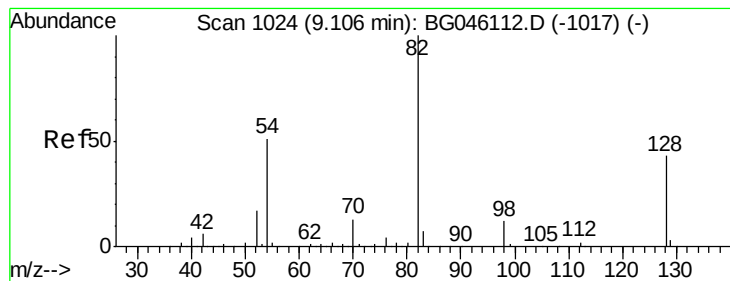
54 8.7 7.0 10.4

68 6.1 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: 24.018 ng

RT: 9.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

Instrument :

BNA_G

ClientSampleId :

RBR-58

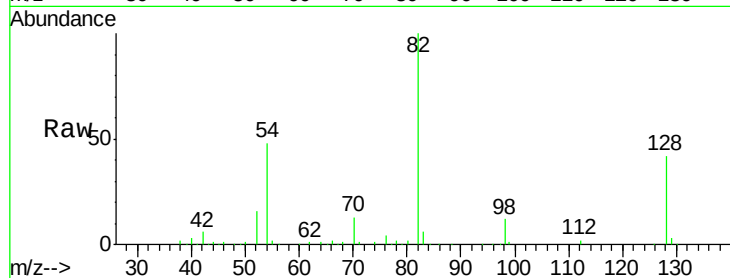
Tot Ion: 82 Resp: 227711

Ion Ratio Lower Upper

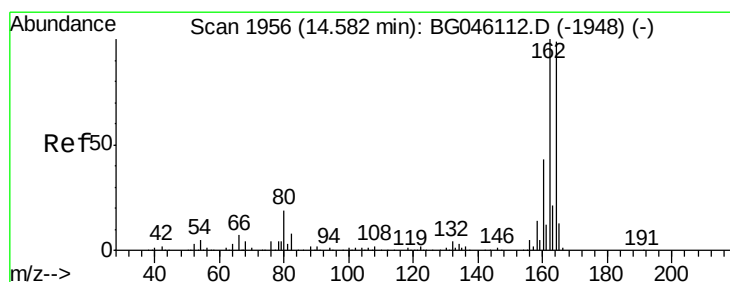
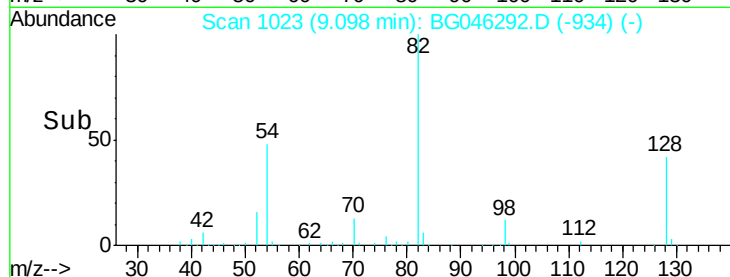
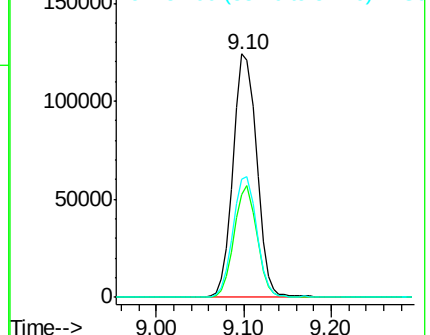
82 100

128 42.3 34.4 51.6

54 48.3 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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

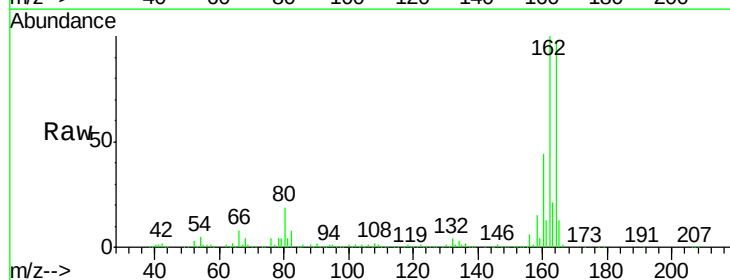
Tgt Ion: 164 Resp: 330077

Ion Ratio Lower Upper

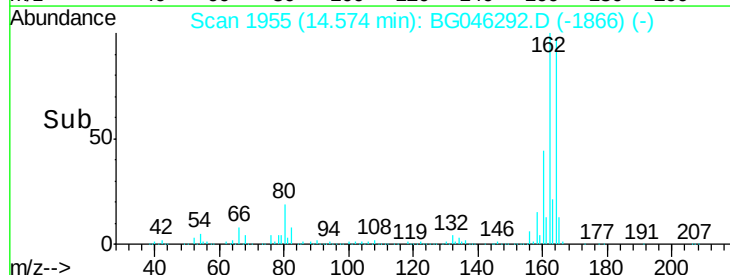
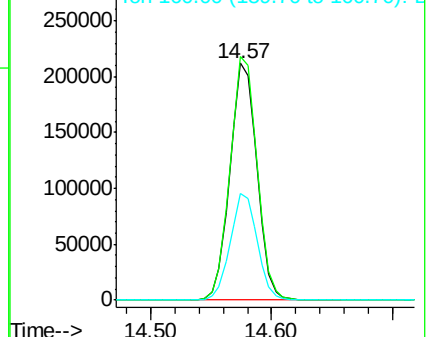
164 100

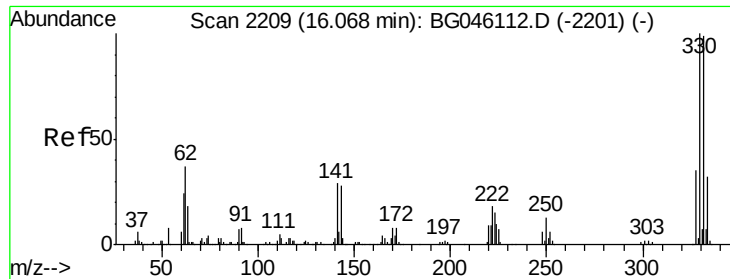
162 102.7 80.6 121.0

160 45.0 34.9 52.3



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

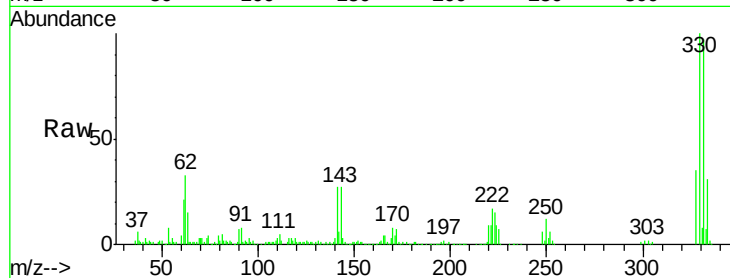




#42
 2,4,6-Tribromophenol
 Concen: 34.050 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: BG046292.D
 Acq: 15 Aug 2020 2:06

Instrument :
 BNA_G
 ClientSampleId :
 RBR-58

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.2
141	26.3	23.4	35.0

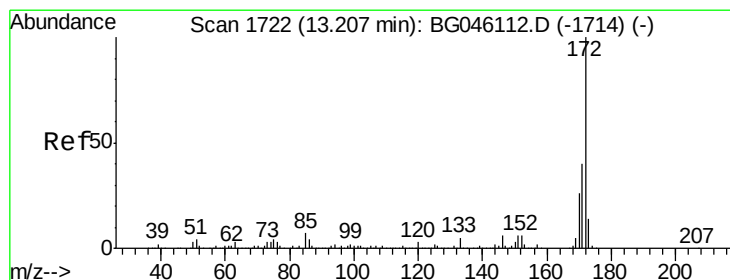
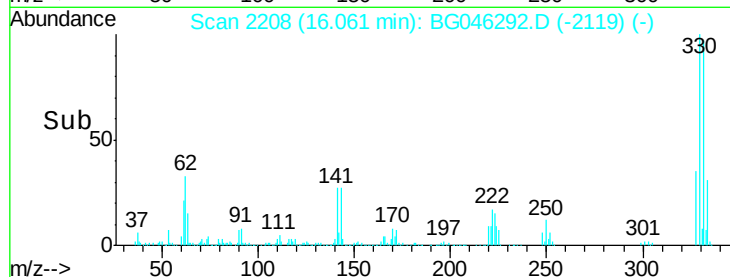
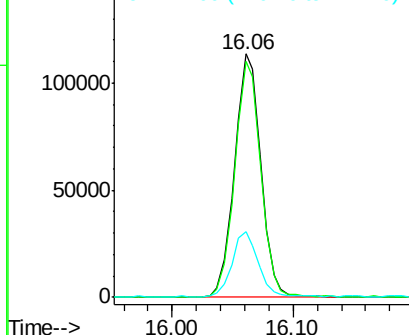


Abundance

Ion 329.80 (329.50 to 330.50): E

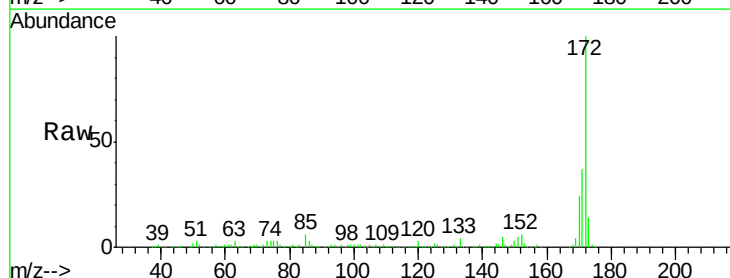
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 25.806 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.01 min
 Lab File: BG046292.D
 Acq: 15 Aug 2020 2:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.7	47.5
170	24.0	20.9	31.3

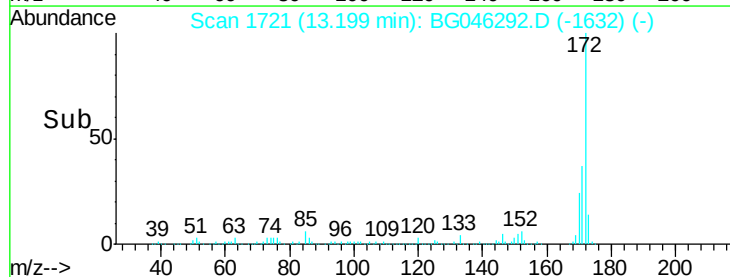
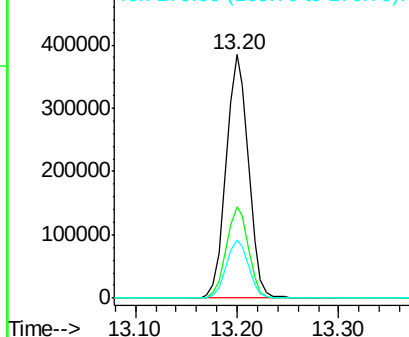


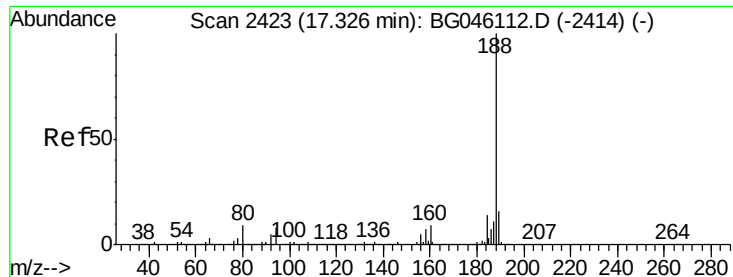
Abundance

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

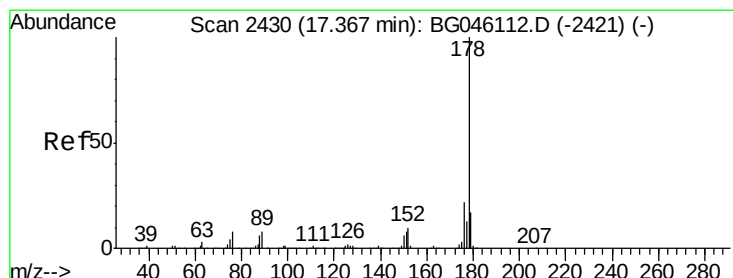
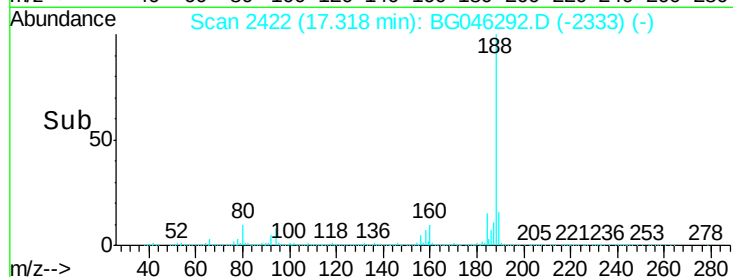
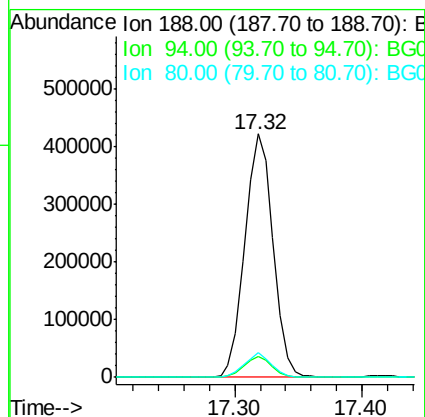
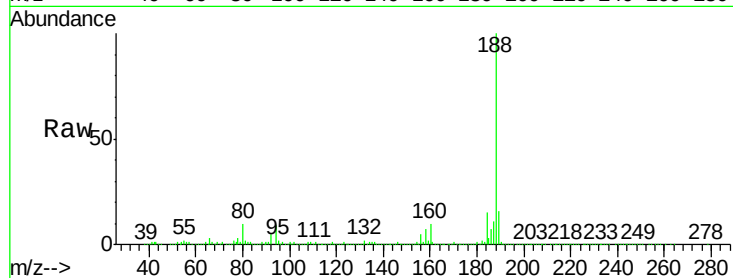




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG046292.D
 Acq: 15 Aug 2020 2:06

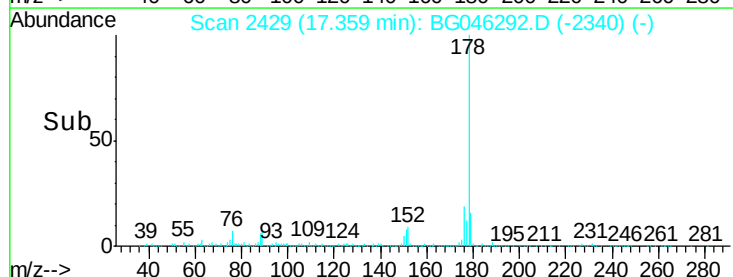
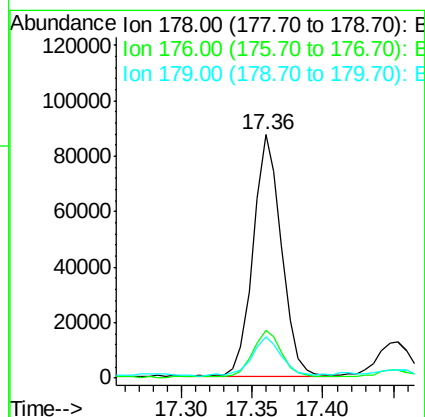
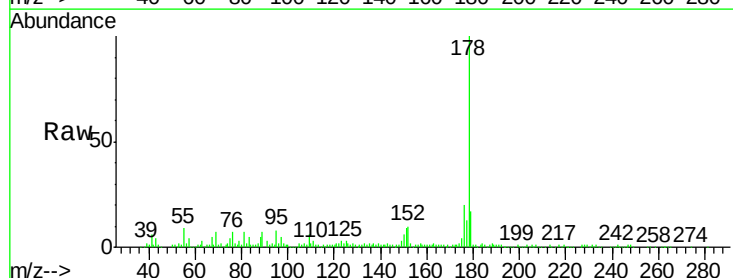
Instrument :
 BNA_G
 ClientSampled :
 RBR-58

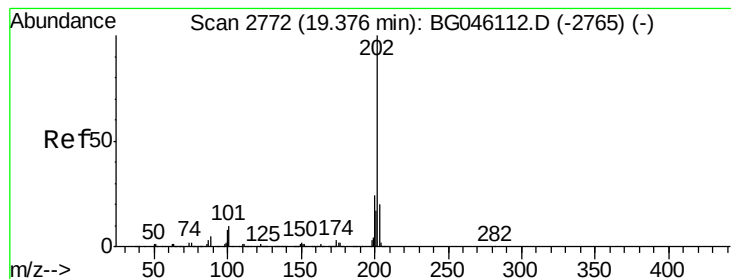
Tot Ion:188 Resp: 648963
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.4 9.6
 80 10.1 7.4 11.0



#71
 Phenanthrene
 Concen: 3.443 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BG046292.D
 Acq: 15 Aug 2020 2:06

Tgt Ion:178 Resp: 122398
 Ion Ratio Lower Upper
 178 100
 176 19.5 17.3 25.9
 179 17.1 13.8 20.6





#75

Fluoranthene

Concen: 7.287 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

Instrument :

BNA_G

ClientSampleId :

RBR-58

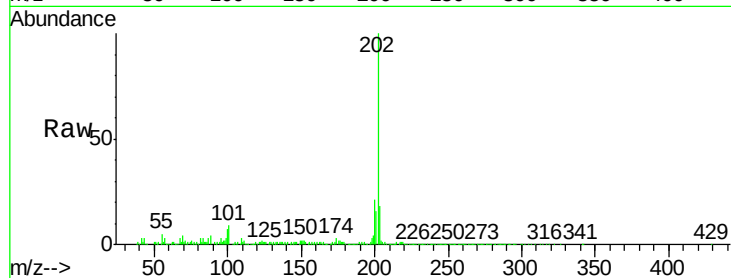
Tot Ion:202 Resp: 323422

Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.0

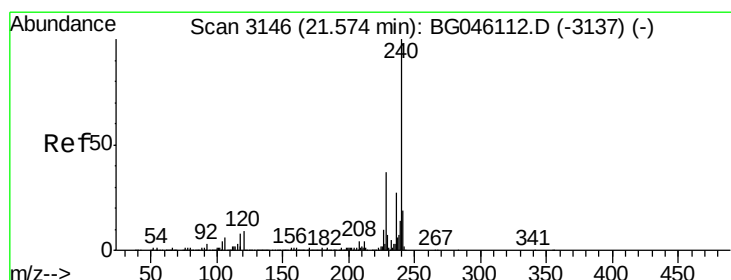
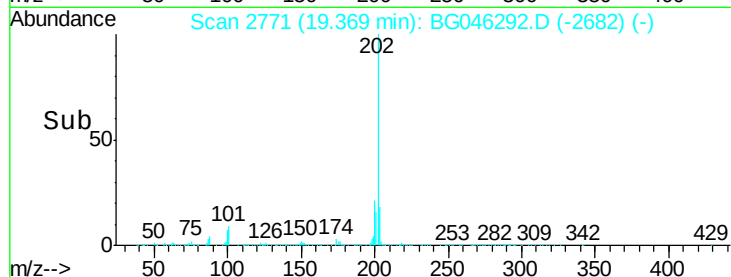
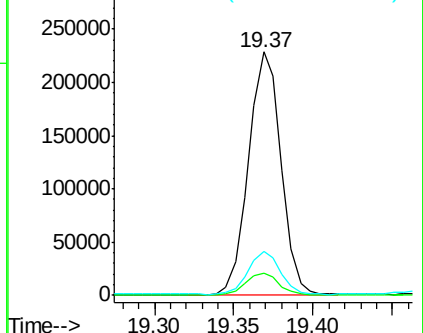
203 18.0 0.2 40.2



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: BG046292.D

Acq: 15 Aug 2020 2:06

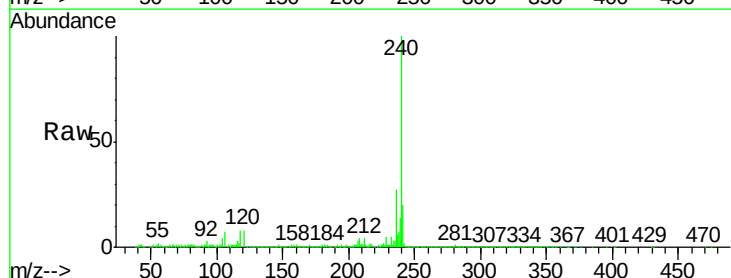
Tgt Ion:240 Resp: 656091

Ion Ratio Lower Upper

240 100

120 8.3 7.1 10.7

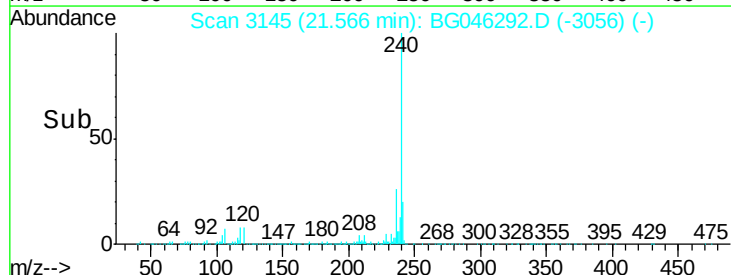
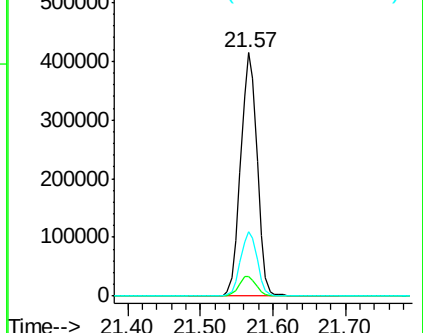
236 26.5 21.7 32.5

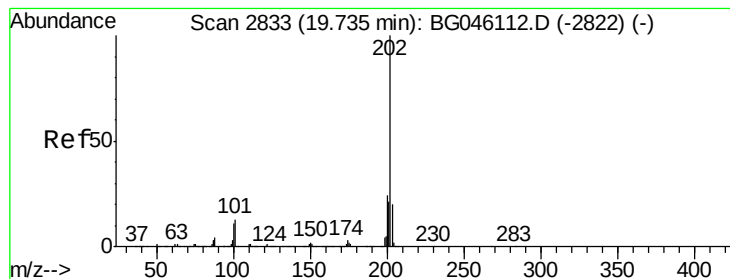


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.279 ng

RT: 19.73 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

Instrument :

BNA_G

ClientSampleId :

RBR-58

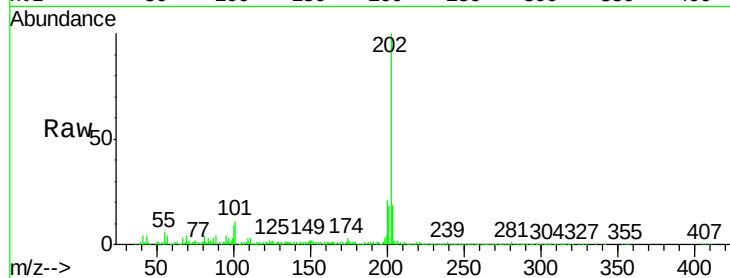
Tot Ion:202 Resp: 276802

Ion Ratio Lower Upper

202 100

200 20.6 19.5 29.3

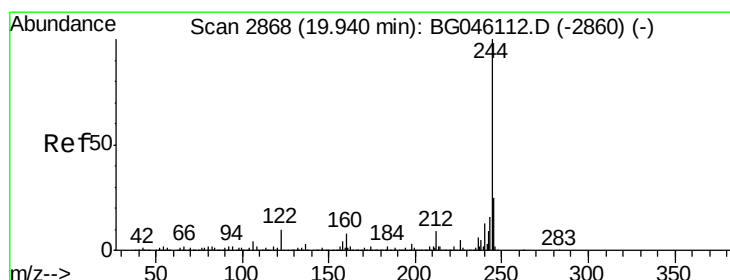
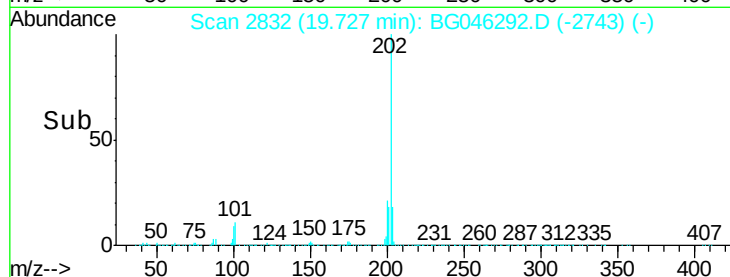
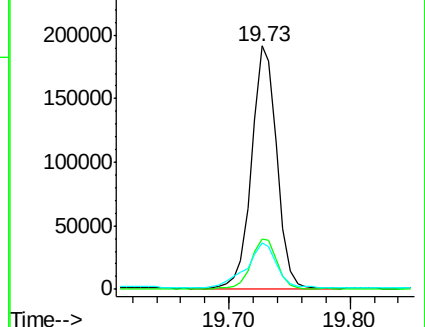
203 19.1 16.2 24.2



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: 23.207 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

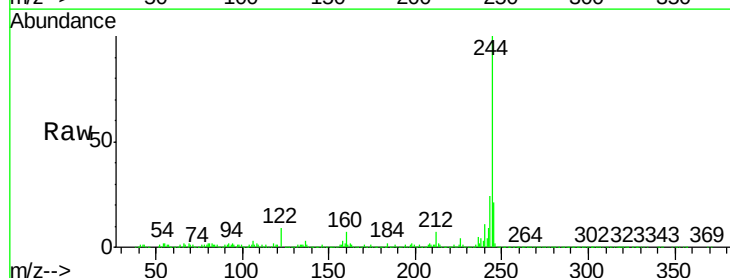
Tgt Ion:244 Resp: 747588

Ion Ratio Lower Upper

244 100

212 7.2 7.2 10.8#

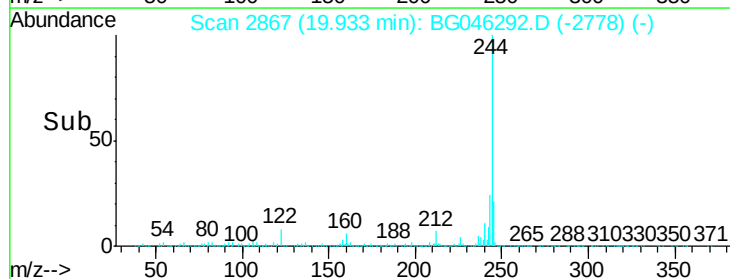
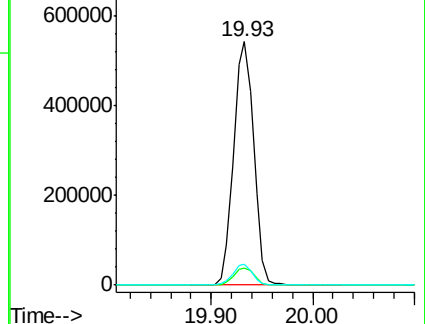
122 8.6 8.3 12.5

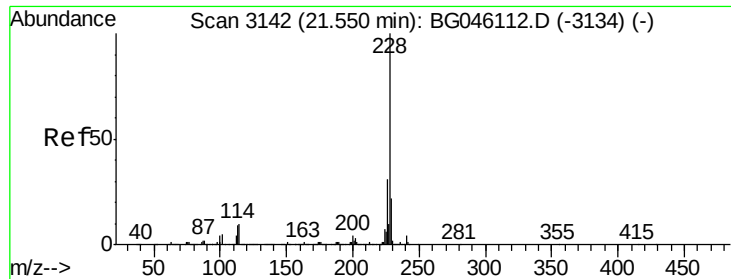


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.294 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

Instrument :

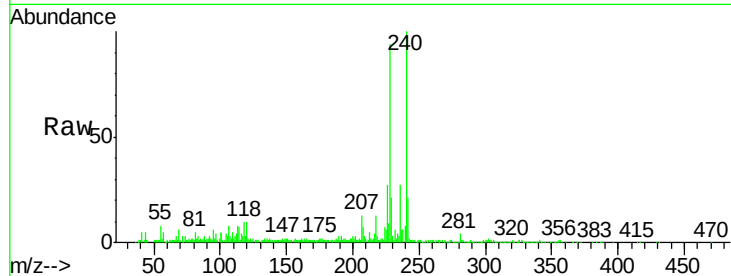
BNA_G

ClientSampleId :

RBR-58

Tot Ion:228 Resp: 144625

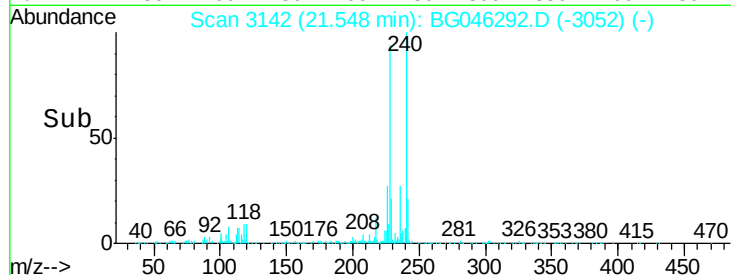
Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.7	37.1
229	22.9	17.8	26.8



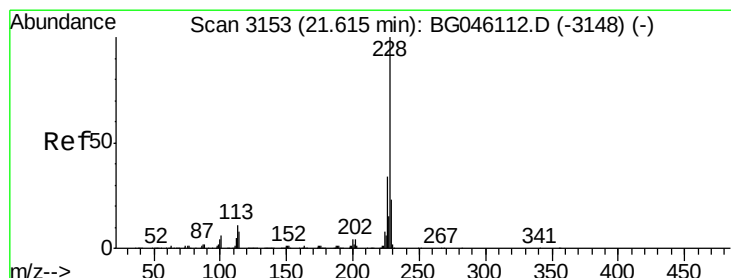
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.45 21.50 21.55 21.60



#83

Chrysene

Concen: 3.790 ng

RT: 21.61 min Scan# 3153

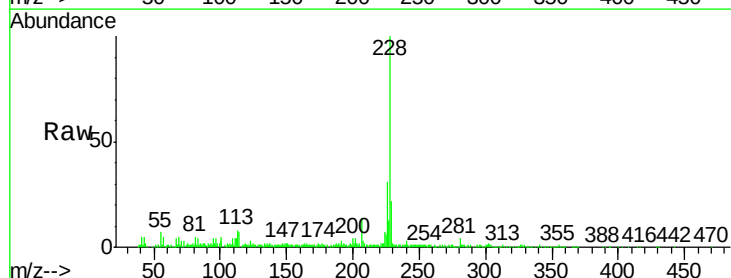
Delta R.T. -0.00 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

Tgt Ion:228 Resp: 163012

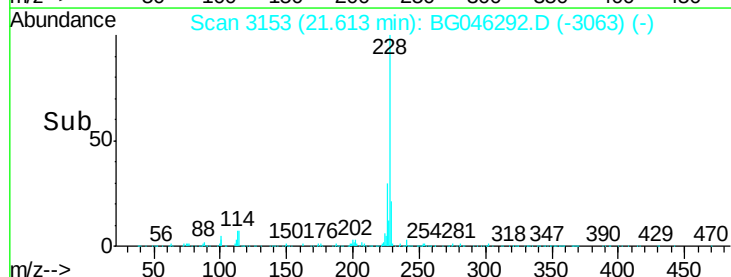
Ion	Ratio	Lower	Upper
228	100		
226	30.9	26.9	40.3
229	21.5	18.2	27.4



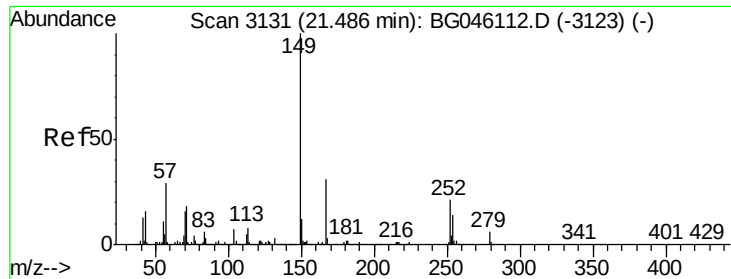
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.60 21.70



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.040 ng

RT: 21.47 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

Instrument :

BNA_G

ClientSampleId :

RBR-58

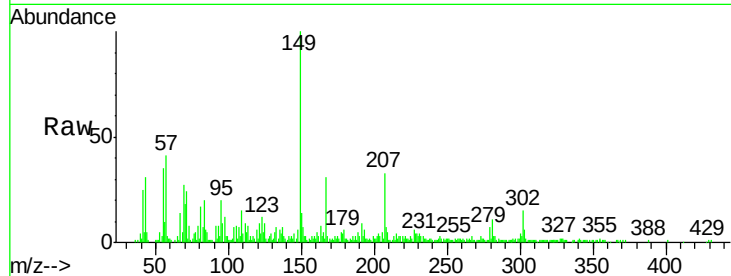
Tot Ion:149 Resp: 46581

Ion Ratio Lower Upper

149 100

167 31.2 24.8 37.2

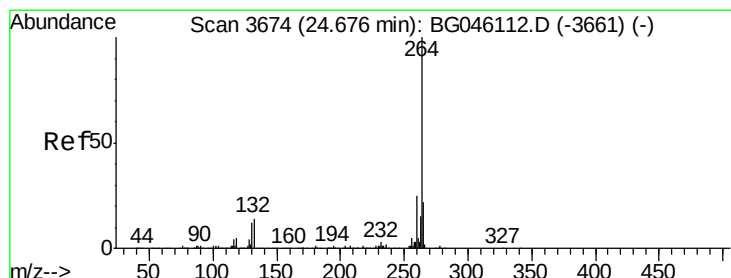
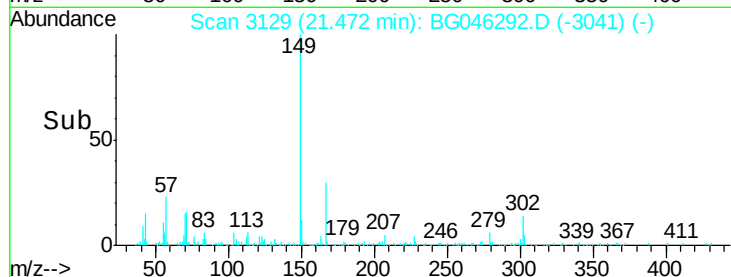
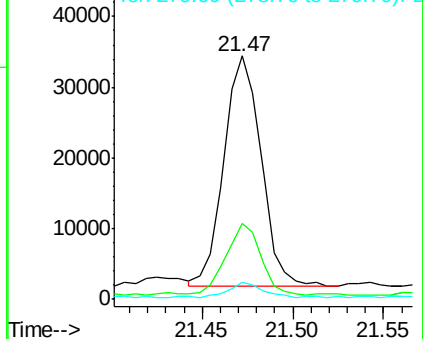
279 7.1 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.68 min Scan# 3675

Delta R.T. 0.00 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

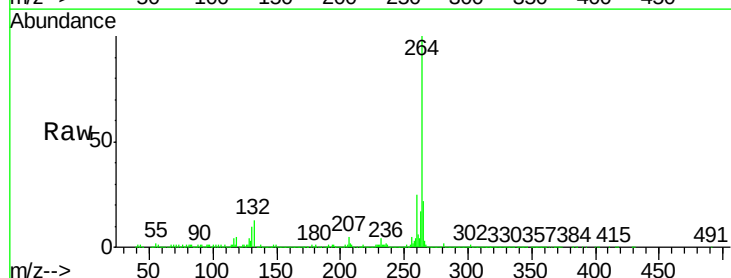
Tgt Ion:264 Resp: 699686

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

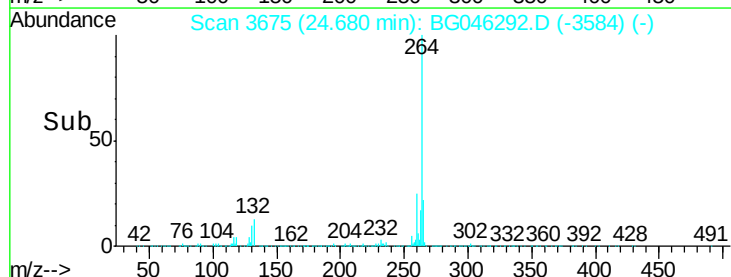
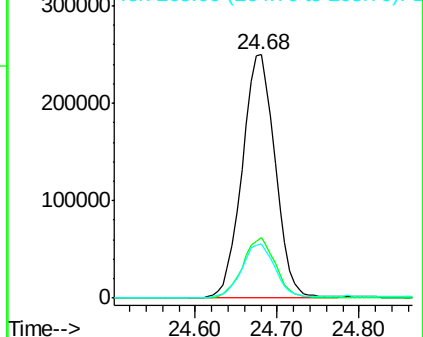
265 22.0 17.6 26.4

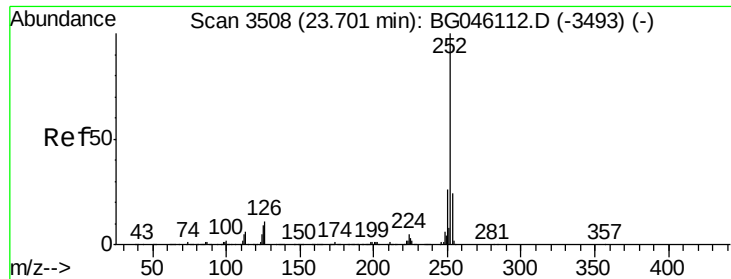


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

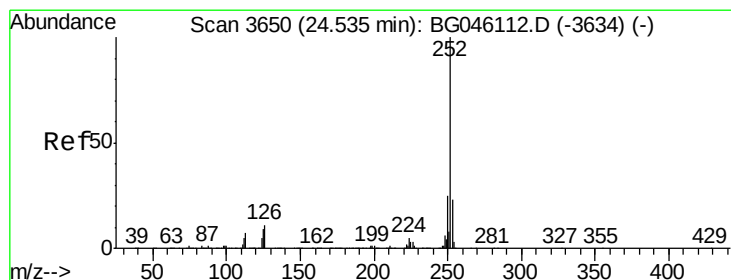
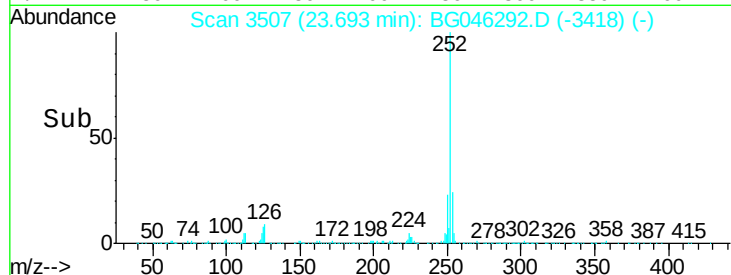
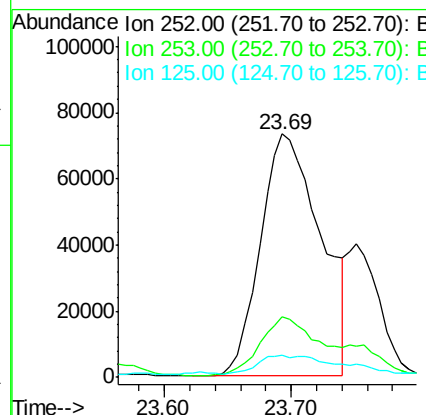
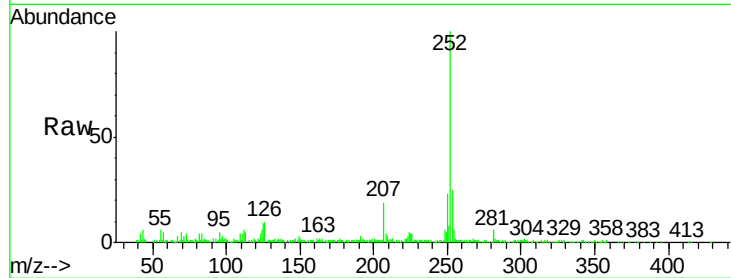




#88
Benzo(b)fluoranthene
Concen: 5.152 ng
RT: 23.69 min Scan# 3507
Delta R.T. -0.01 min
Lab File: BG046292.D
Acq: 15 Aug 2020 2:06

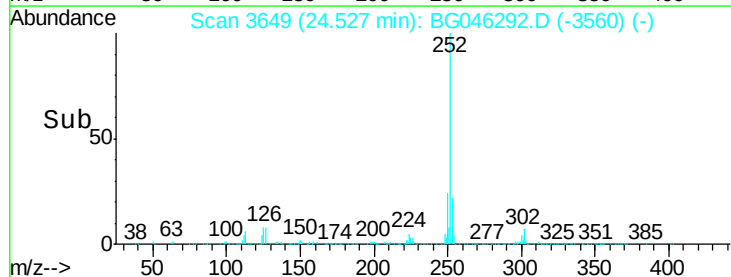
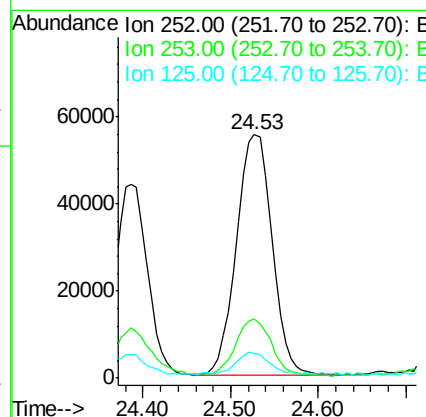
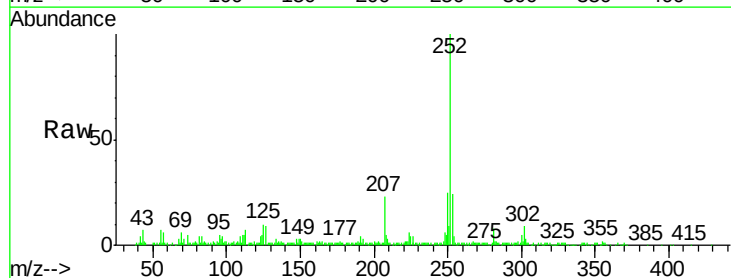
Instrument :
BNA_G
ClientSampled :
RBR-58

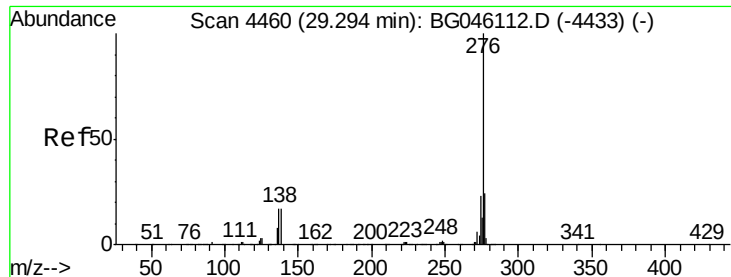
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.2	28.8
125	9.1	7.2	10.8



#90
Benzo(a)pyrene
Concen: 3.517 ng
RT: 24.53 min Scan# 3649
Delta R.T. -0.01 min
Lab File: BG046292.D
Acq: 15 Aug 2020 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.6	27.8
125	10.0	7.1	10.7





#92

Benzo(a,h,i)perylene

Concen: 2.333 ng

RT: 29.27 min Scan# 4457

Delta R.T. -0.02 min

Lab File: BG046292.D

Acq: 15 Aug 2020 2:06

Instrument :

BNA_G

ClientSampleId :

RBR-58

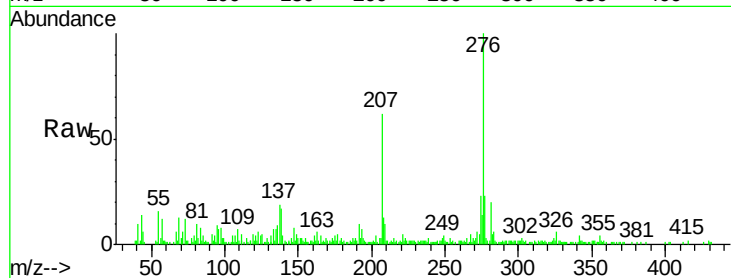
Tot Ion: 276 Resp: 105113

Ion Ratio Lower Upper

276 100

277 23.3 19.5 29.3

138 16.8 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

