

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043963.D
 Acq On : 7 Jan 2020 20:51
 Operator : JU
 Sample : L1017-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-010620

Quant Time: Jan 08 03:01:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

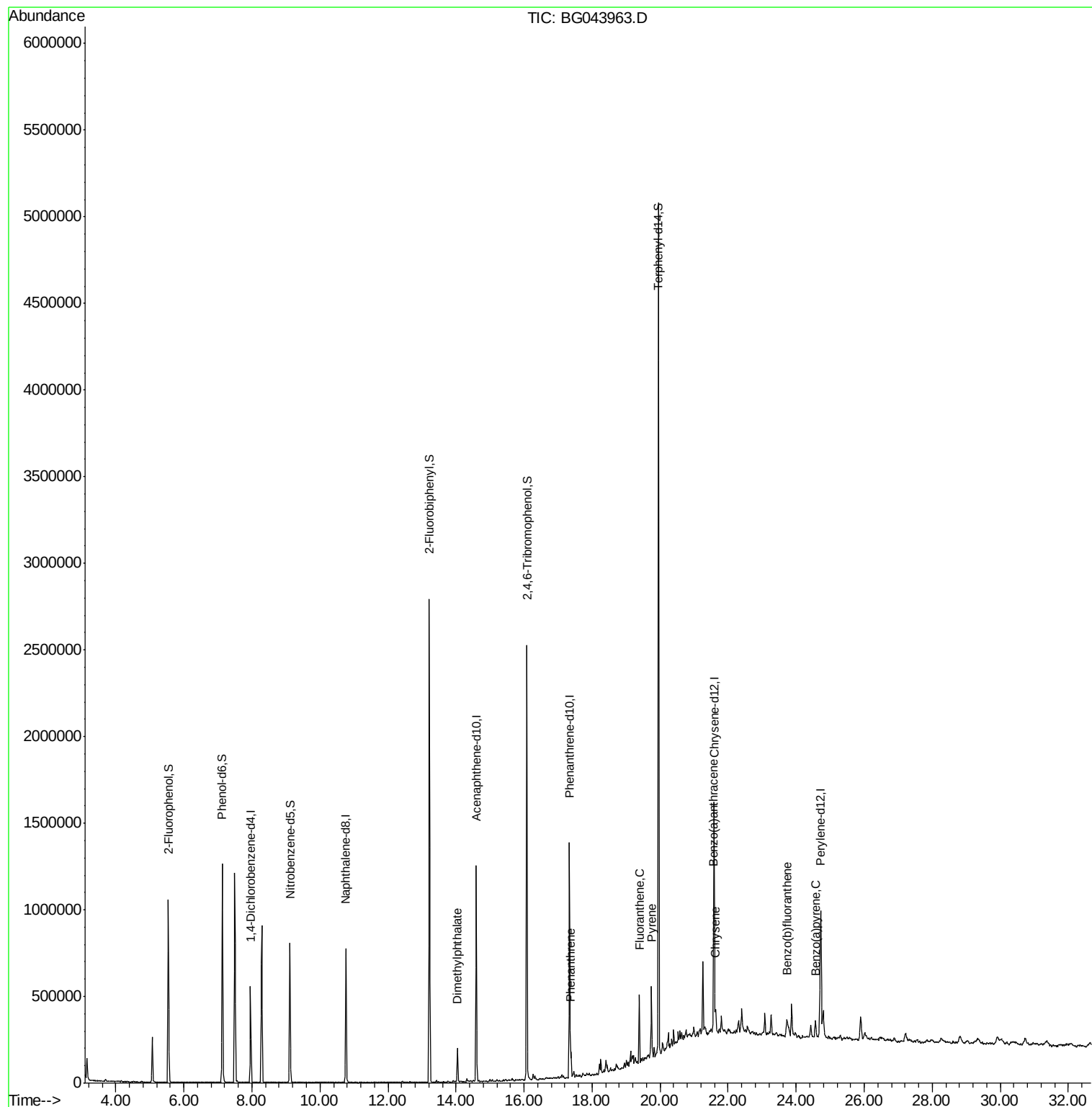
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	166670	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	705487	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	434233	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	834392	20.00	ng	0.00
76) Chrysene-d12	21.59	240	680344	20.00	ng	0.00
87) Perylene-d12	24.72	264	772838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	505460	55.68	ng	0.00
7) Phenol-d6	7.13	99	783536	61.75	ng	0.00
23) Nitrobenzene-d5	9.12	82	494325	37.48	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	446170	98.19	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1436187	59.92	ng	0.00
79) Terphenyl-d14	19.95	244	2117406	71.91	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.04	163	130937	4.247	ng	Qvalue # 97
71) Phenanthrene	17.38	178	110426	2.759	ng	92
75) Fluoranthene	19.39	202	225300	4.922	ng	91
78) Pyrene	19.75	202	246857	5.559	ng	93
81) Benzo(a)anthracene	21.57	228	119064	2.822	ng	96
83) Chrysene	21.63	228	120162	2.998	ng	93
88) Benzo(b)fluoranthene	23.73	252	123376	2.700	ng	# 96
90) Benzo(a)pyrene	24.57	252	99802	2.314	ng	98

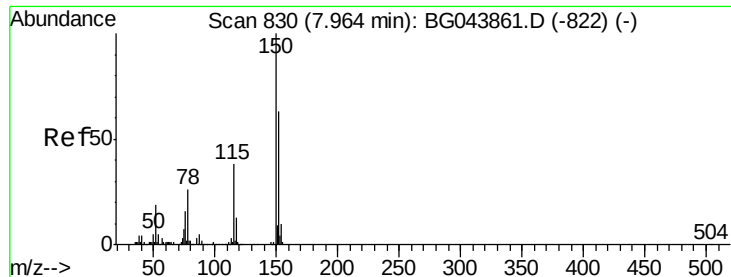
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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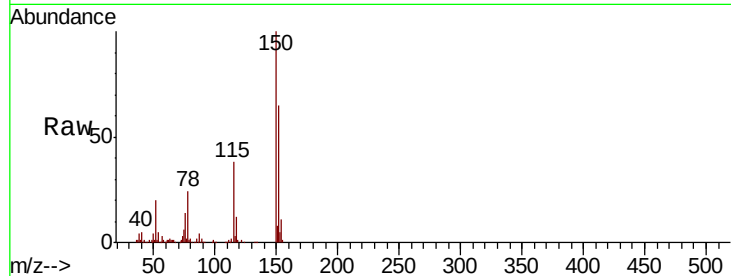


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Instrument :
BNA_G
ClientSampleId :
TR-04-010620

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	127.0	190.4
115	57.8	47.8	71.8

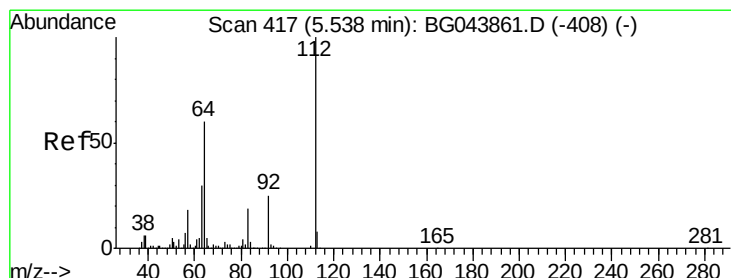
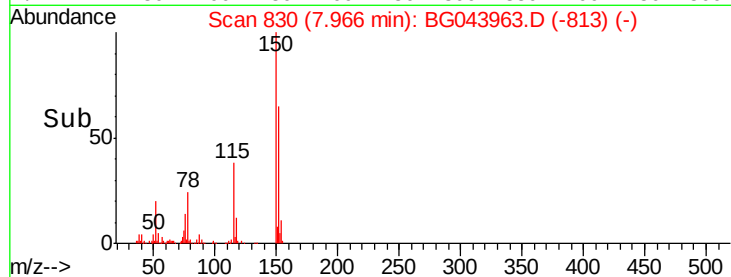
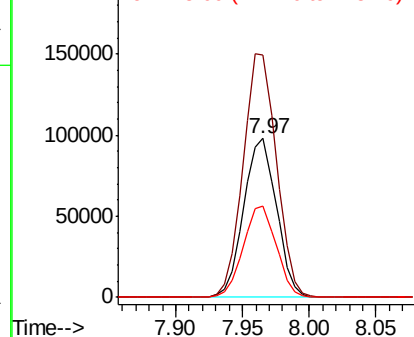


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

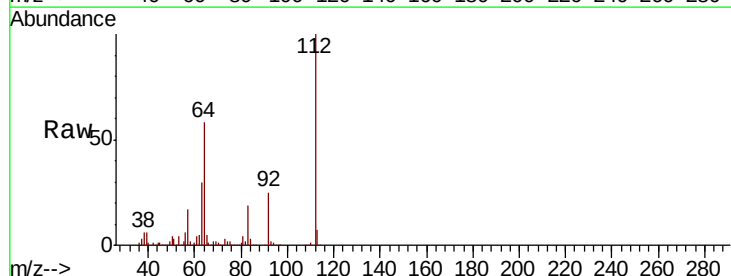
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 55.684 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.8	71.6
63	29.7	24.3	36.5

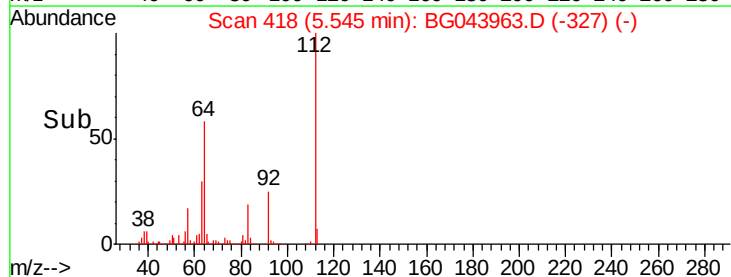
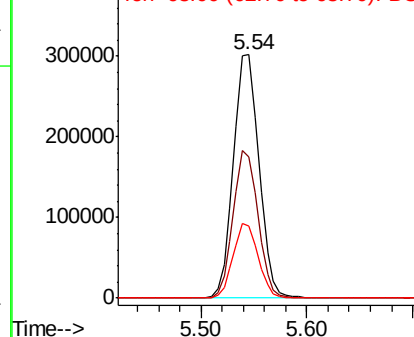


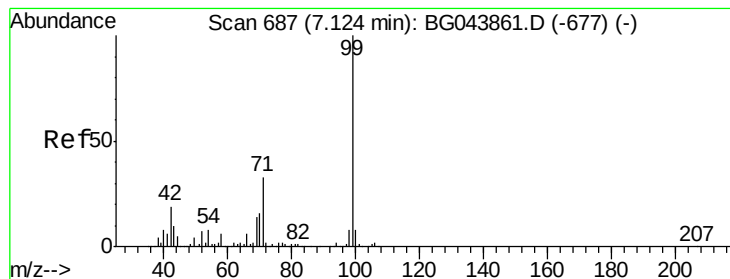
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 61.752 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TR-04-010620

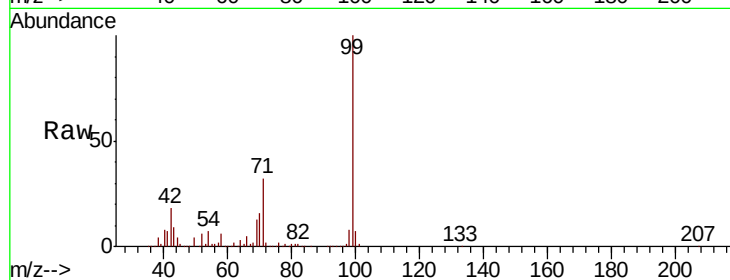
Tot Ion: 99 Resp: 783536

Ion Ratio Lower Upper

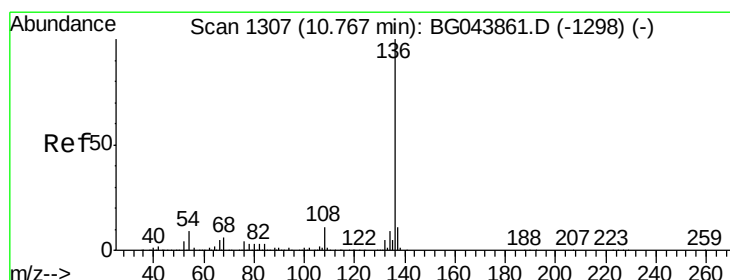
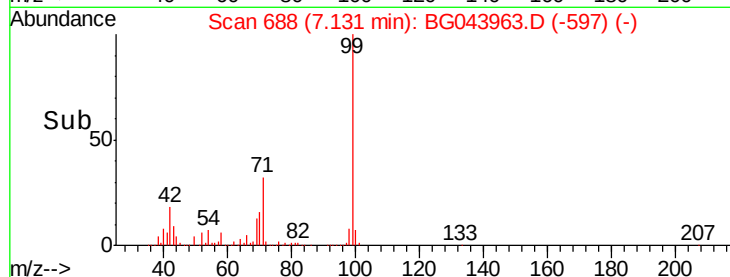
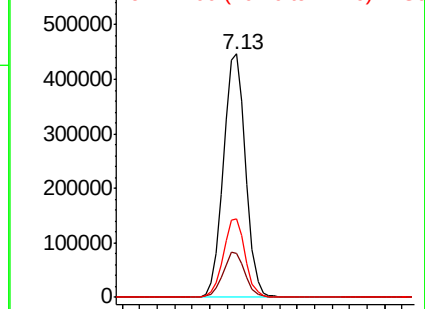
99 100

42 18.2 14.9 22.3

71 32.3 26.4 39.6



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: 10.76 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Tgt Ion: 136 Resp: 705487

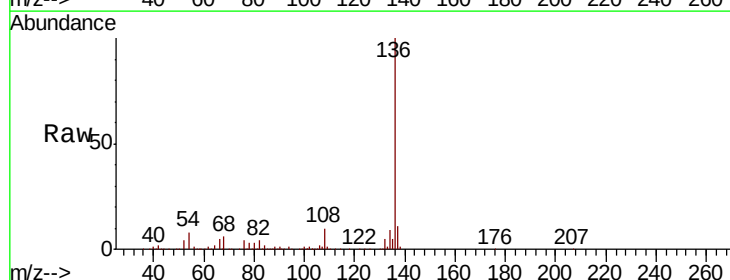
Ion Ratio Lower Upper

136 100

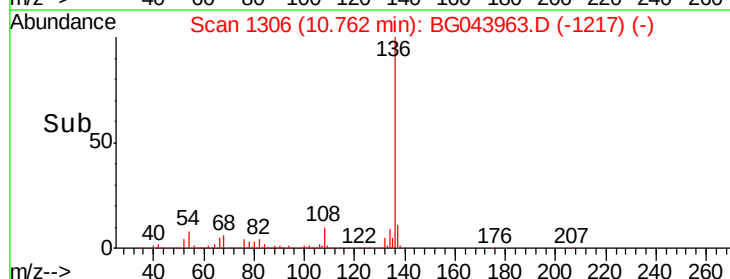
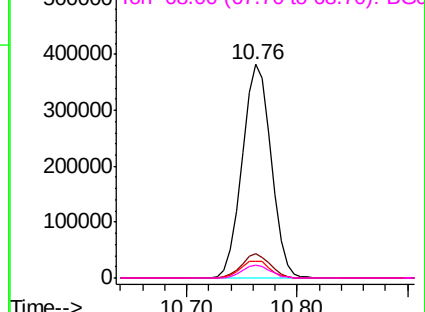
137 11.2 8.8 13.2

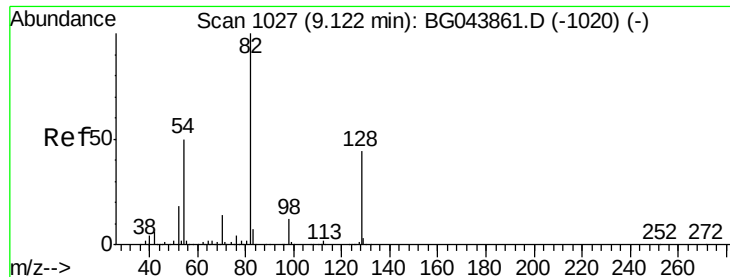
54 8.0 7.0 10.4

68 6.3 4.9 7.3



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

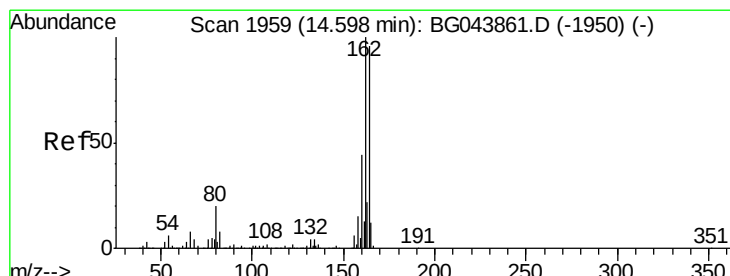
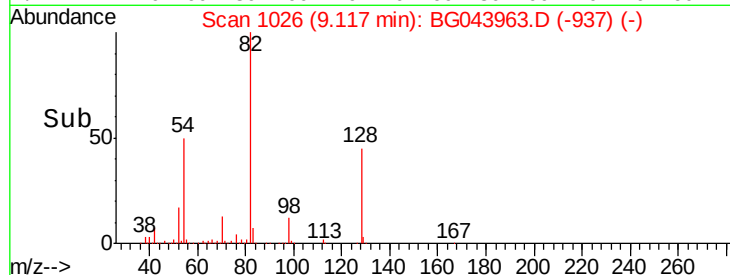
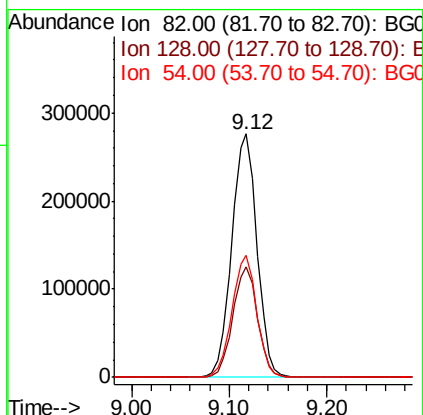
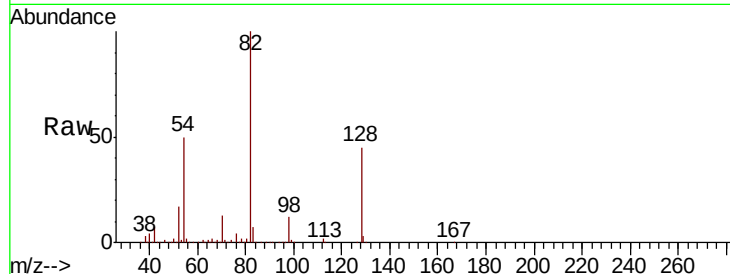




#23
Nitrobenzene-d5
Concen: 37.484 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

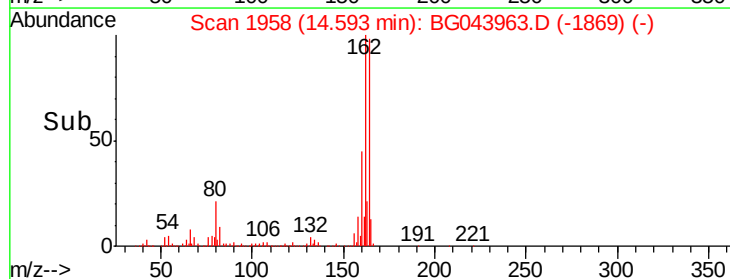
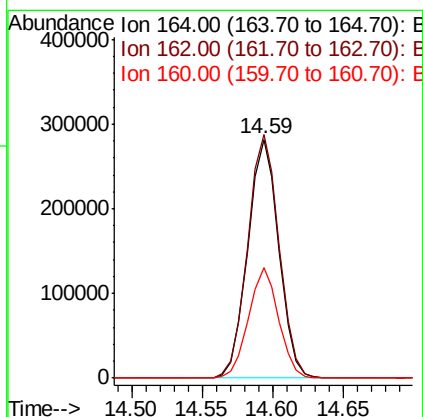
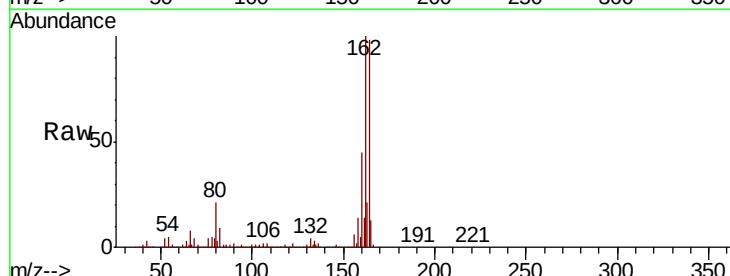
Instrument :
BNA_G
ClientSampleId :
TR-04-010620

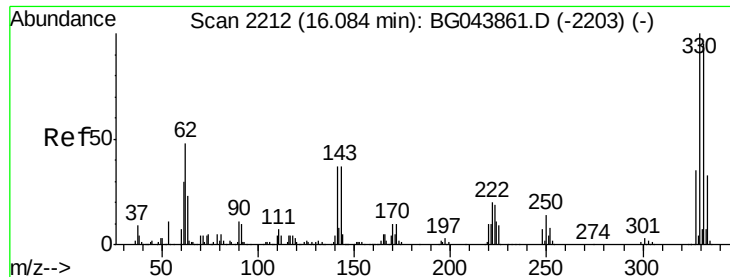
Tot Ion	82.00	Resp	494325
Ion Ratio	Lower	Upper	
82	100		
128	45.1	35.1	52.7
54	50.0	40.1	60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Tgt Ion	164.00	Resp	434233
Ion Ratio	Lower	Upper	
164	100		
162	101.9	83.0	124.4
160	46.1	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 98.185 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TR-04-010620

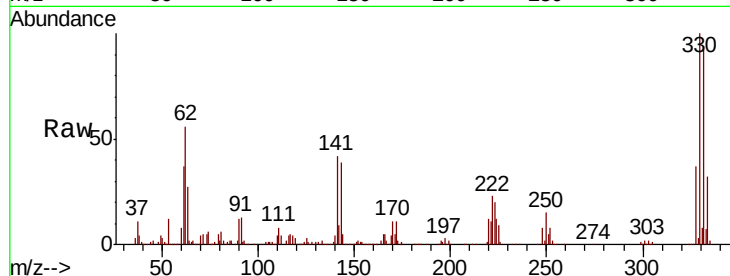
Tot Ion:330 Resp: 446170

Ion Ratio Lower Upper

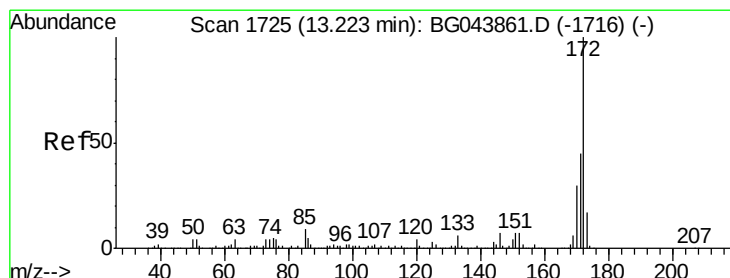
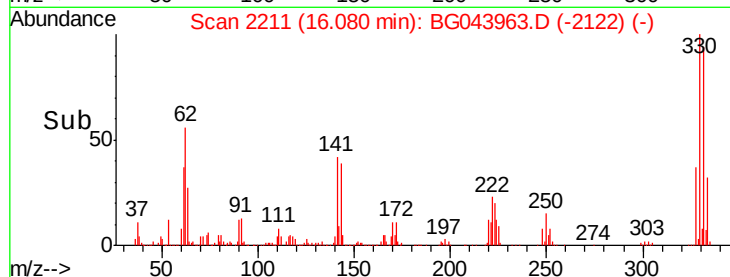
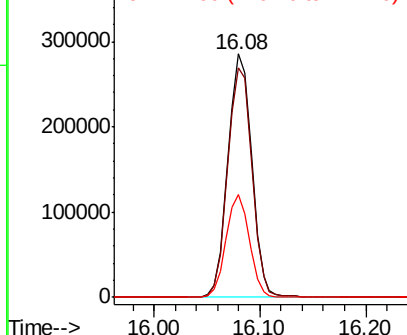
330 100

332 96.1 77.2 115.8

141 41.6 33.1 49.7



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: 59.923 ng

RT: 13.22 min Scan# 1724

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

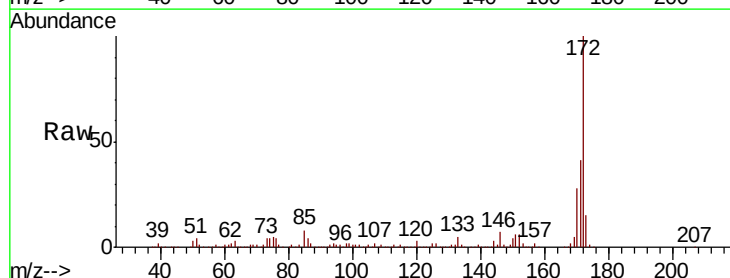
Tgt Ion:172 Resp: 1436187

Ion Ratio Lower Upper

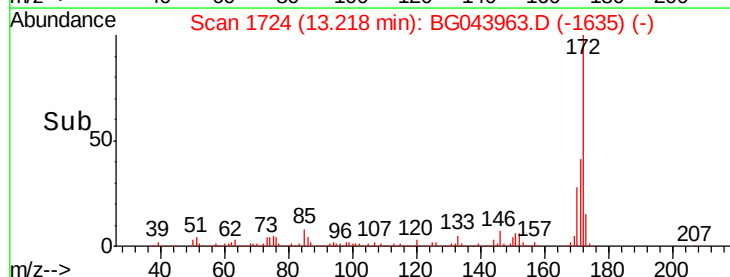
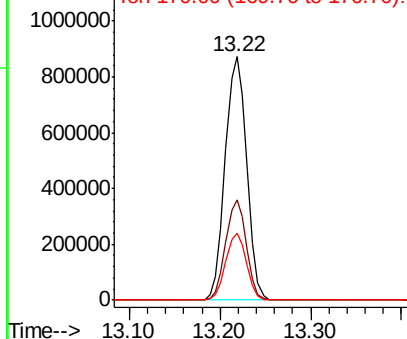
172 100

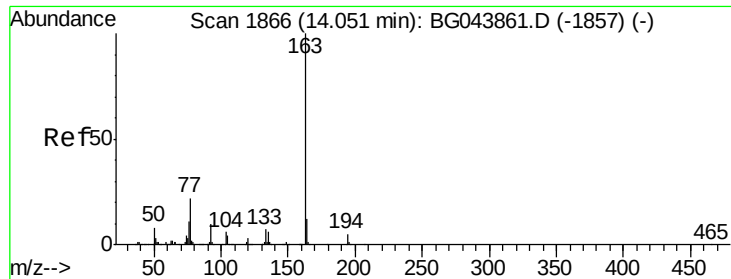
171 41.1 35.8 53.8

170 27.8 24.2 36.4



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: 4.247 ng

RT: 14.04 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TR-04-010620

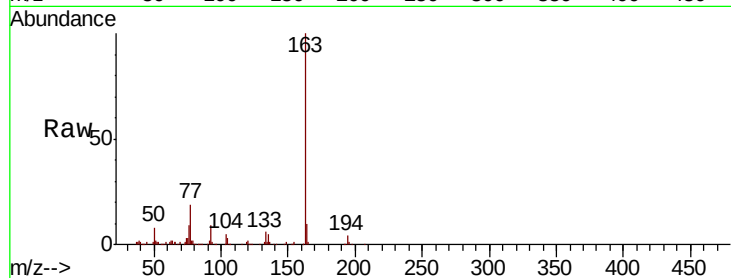
Tot Ion:163 Resp: 130937

Ion Ratio Lower Upper

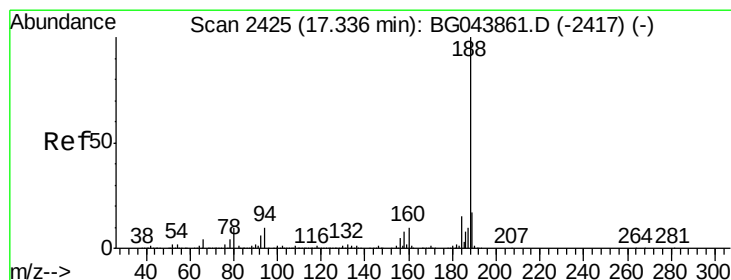
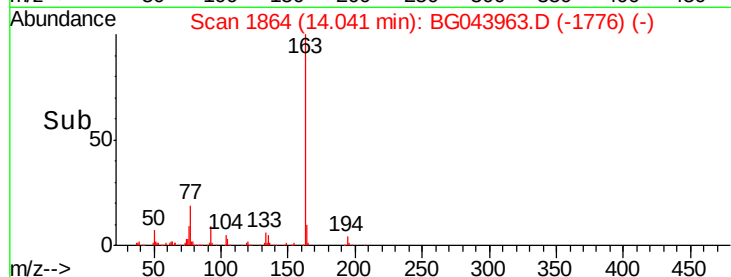
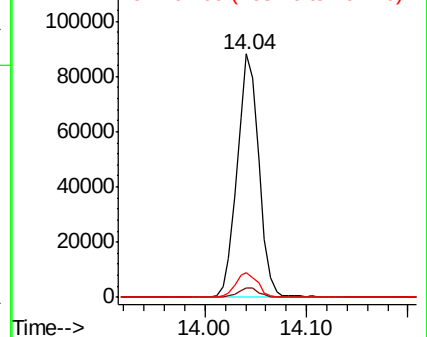
163 100

194 3.6 3.7 5.5#

164 10.4 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

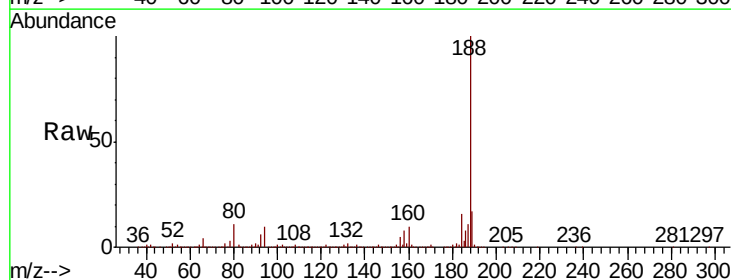
Tgt Ion:188 Resp: 834392

Ion Ratio Lower Upper

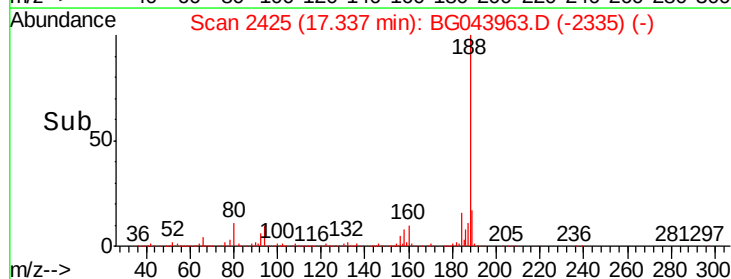
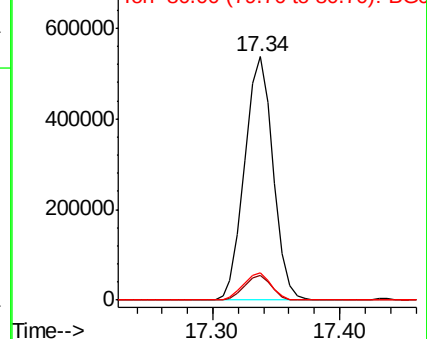
188 100

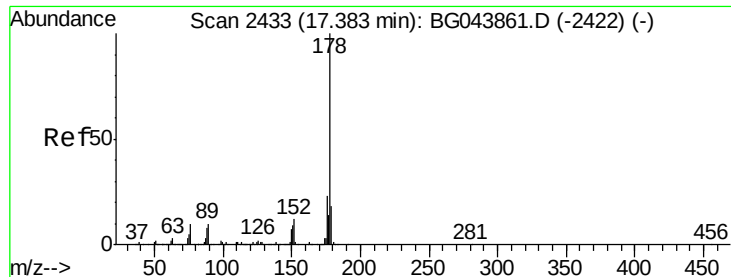
94 10.0 7.9 11.9

80 11.1 8.2 12.4



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: 2.759 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TR-04-010620

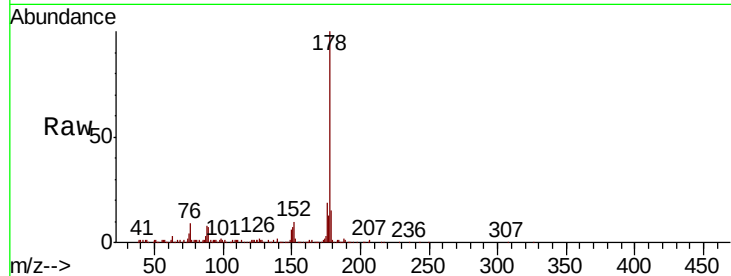
Tot Ion:178 Resp: 110426

Ion Ratio Lower Upper

178 100

176 19.0 18.6 28.0

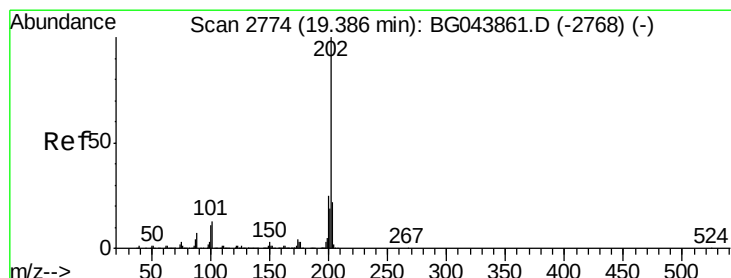
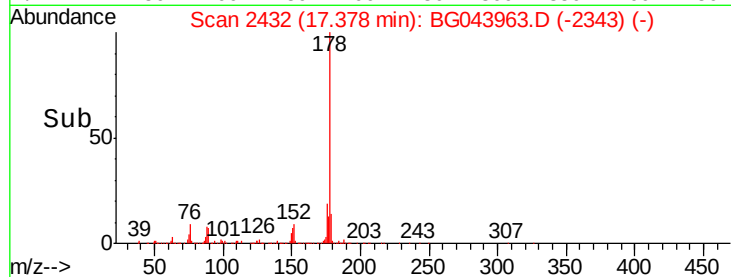
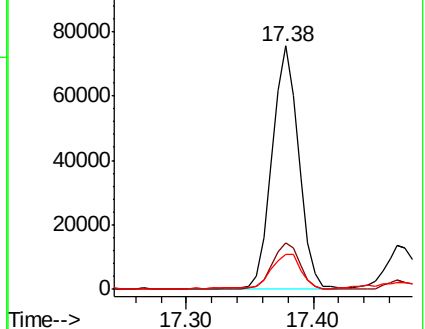
179 14.5 14.4 21.6



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: 4.922 ng

RT: 19.39 min Scan# 2774

Delta R.T. 0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

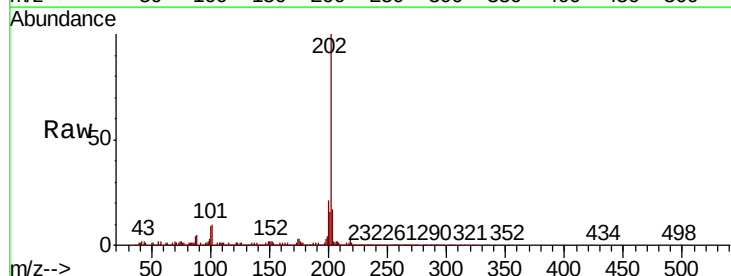
Tgt Ion:202 Resp: 225300

Ion Ratio Lower Upper

202 100

101 10.5 0.0 33.3

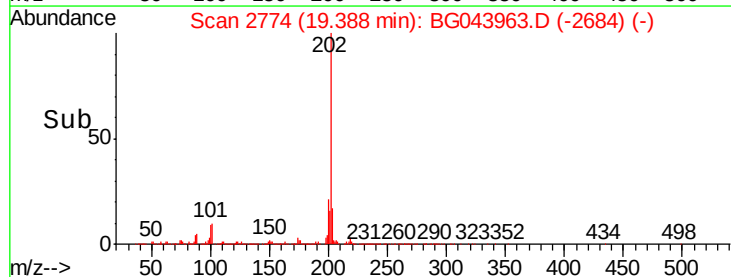
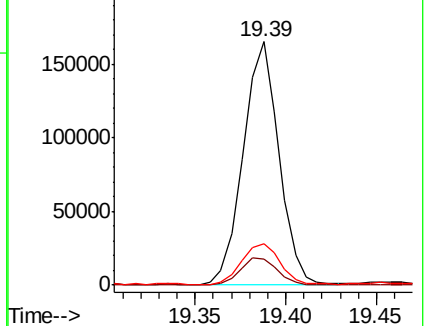
203 17.1 1.6 41.6

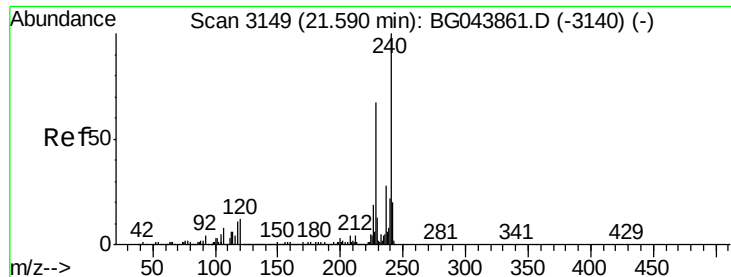


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.59 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TR-04-010620

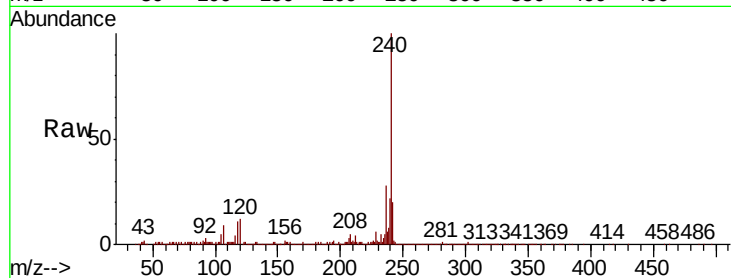
Tot Ion:240 Resp: 680344

Ion Ratio Lower Upper

240 100

120 12.1 9.6 14.4

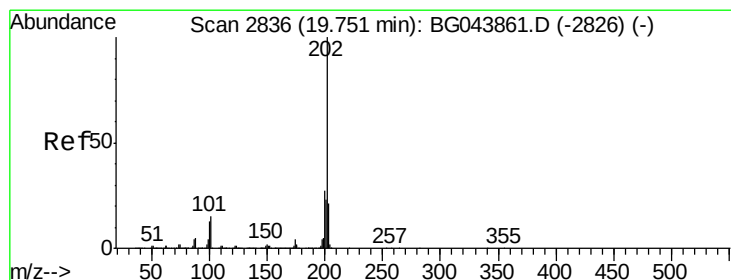
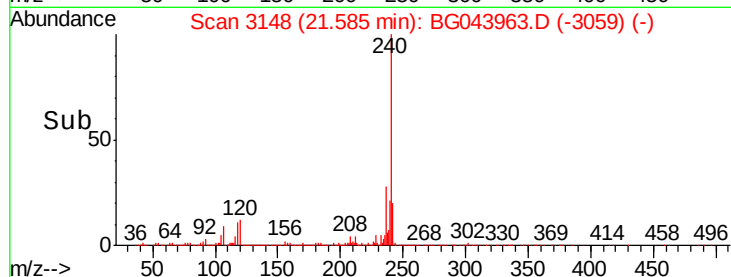
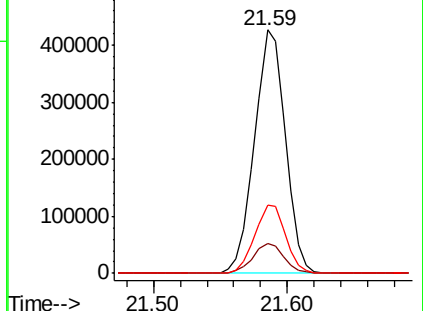
236 28.1 22.2 33.2



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: 5.559 ng

RT: 19.75 min Scan# 2835

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

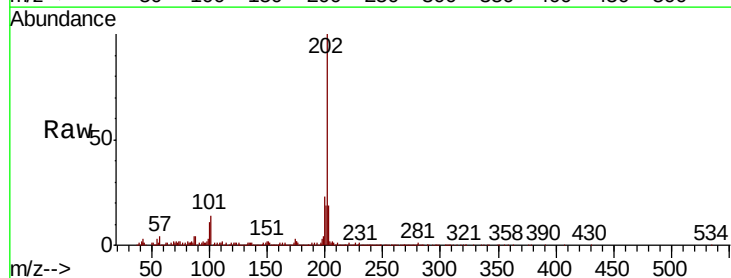
Tgt Ion:202 Resp: 246857

Ion Ratio Lower Upper

202 100

200 23.3 21.7 32.5

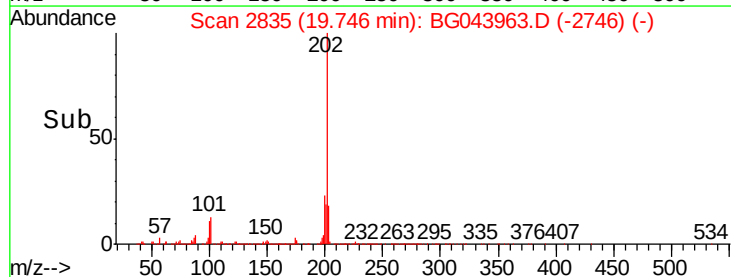
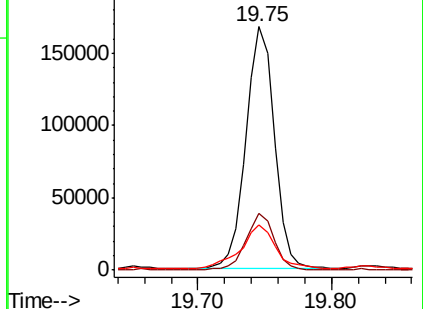
203 18.5 17.0 25.6

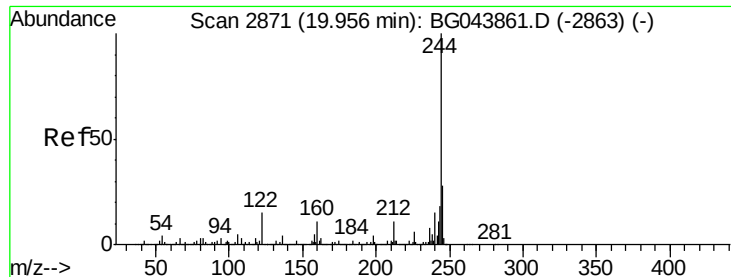


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.908 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TR-04-010620

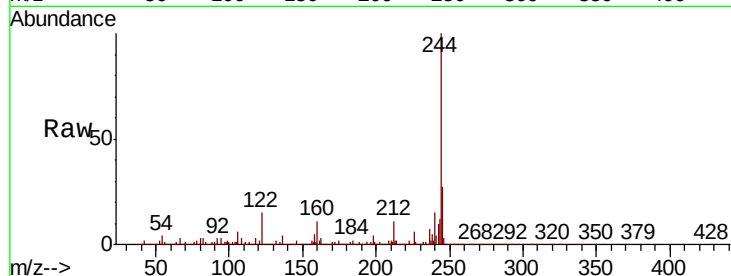
Tot Ion:244 Resp: 2117406

Ion Ratio Lower Upper

244 100

212 10.7 8.6 13.0

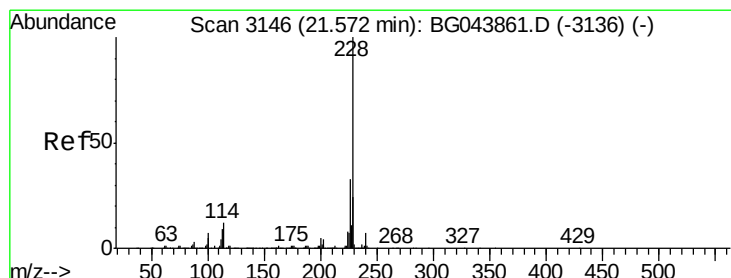
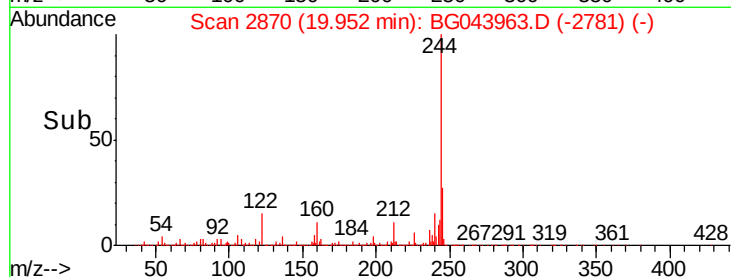
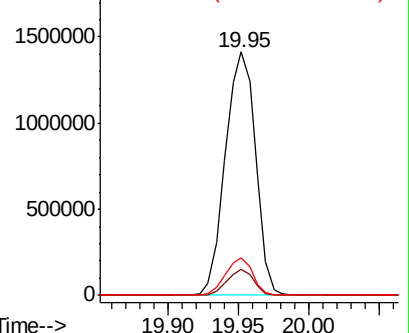
122 15.4 11.9 17.9



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: 2.822 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

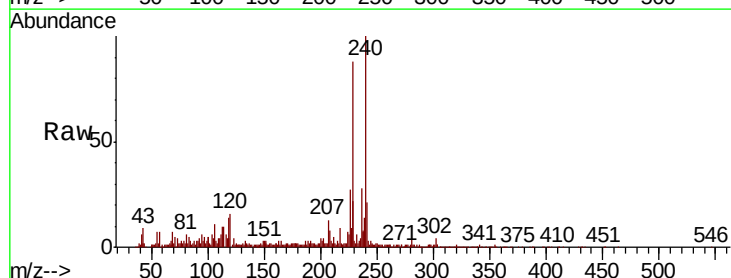
Tgt Ion:228 Resp: 119064

Ion Ratio Lower Upper

228 100

226 30.4 26.2 39.4

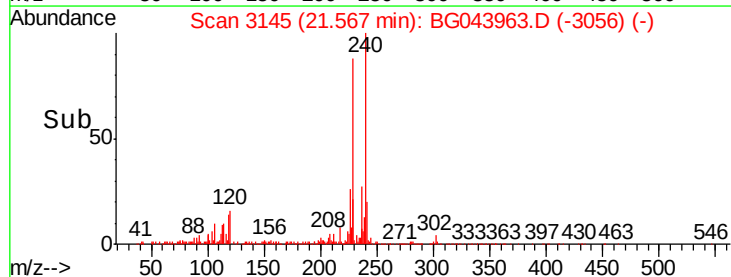
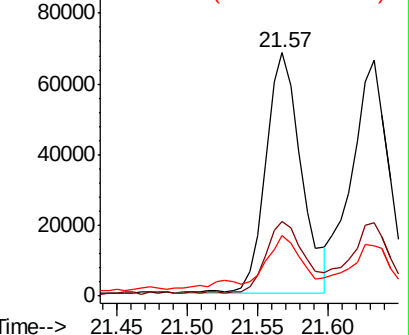
229 25.1 18.9 28.3

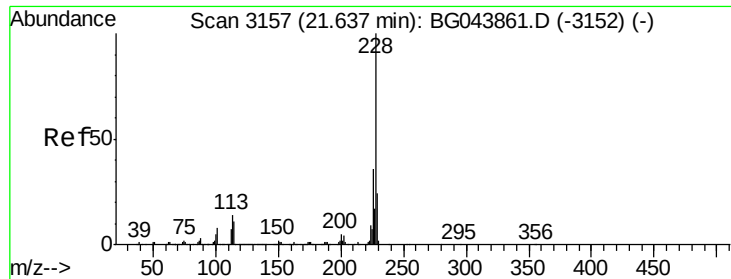


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.998 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TR-04-010620

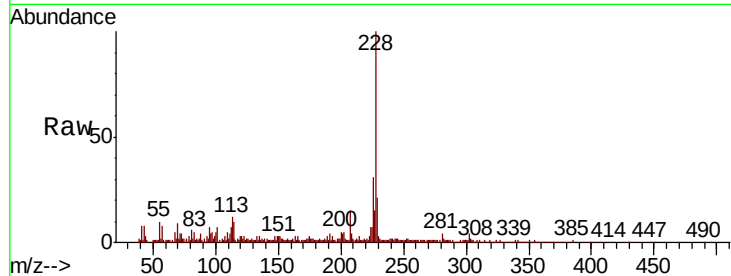
Tot Ion:228 Resp: 120162

Ion Ratio Lower Upper

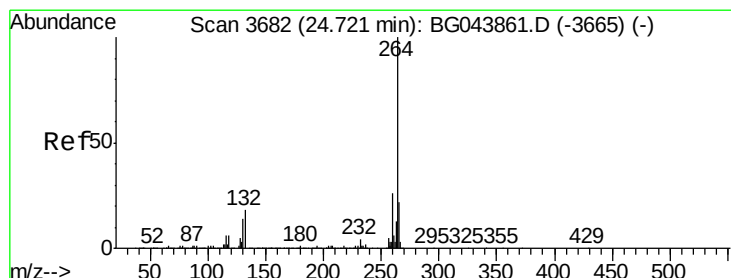
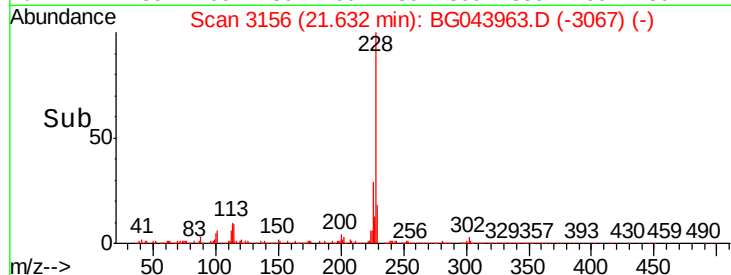
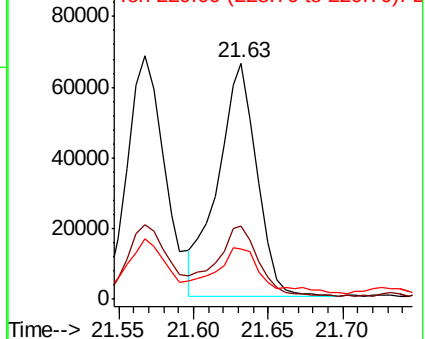
228 100

226 30.8 28.8 43.2

229 21.2 19.0 28.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.72 min Scan# 3682

Delta R.T. 0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

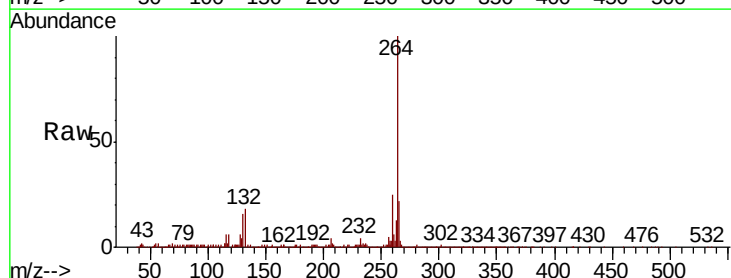
Tgt Ion:264 Resp: 772838

Ion Ratio Lower Upper

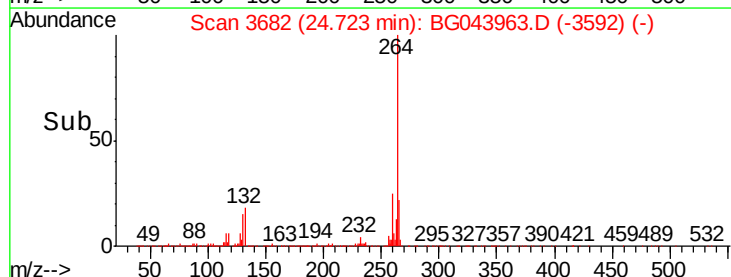
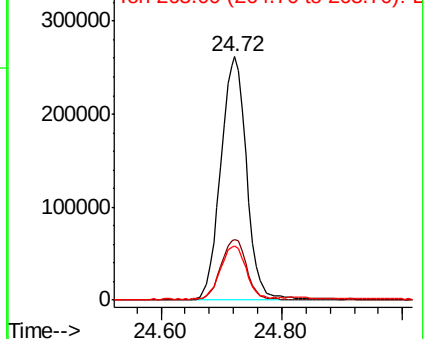
264 100

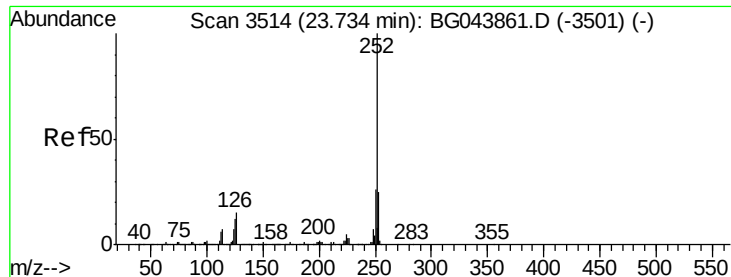
260 24.8 20.4 30.6

265 22.2 17.4 26.2



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: 2.700 ng

RT: 23.73 min Scan# 3513

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TR-04-010620

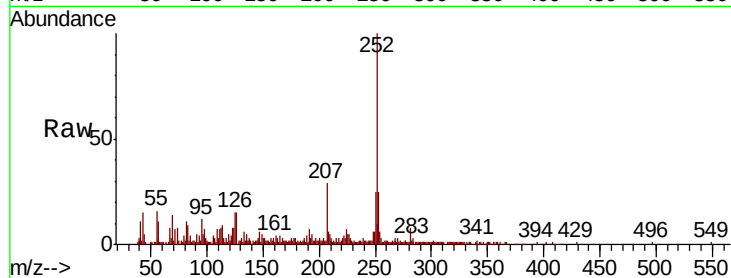
Tot Ion:252 Resp: 123376

Ion Ratio Lower Upper

252 100

253 25.3 19.7 29.5

125 15.3 9.4 14.2#

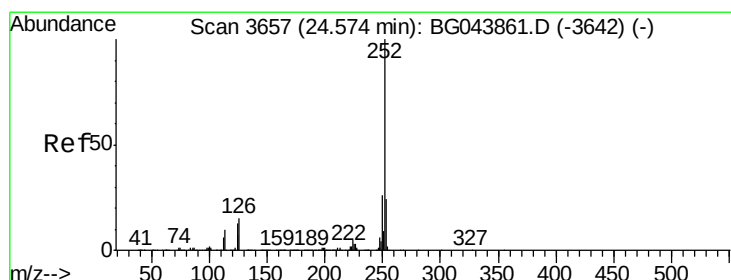
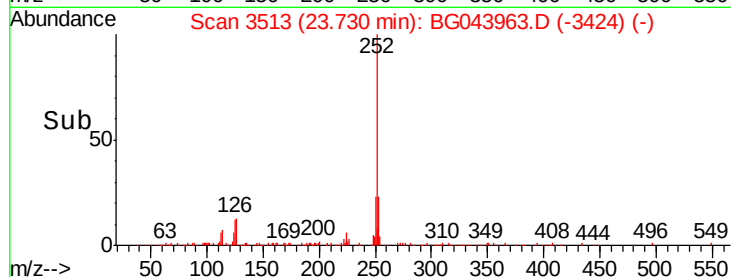
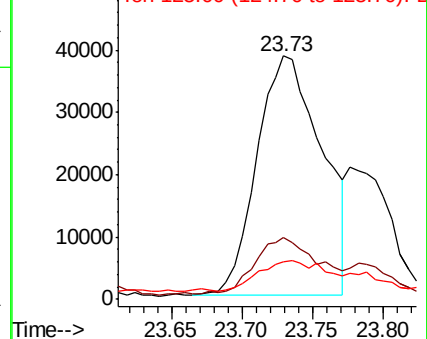


Abundance

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: 2.314 ng

RT: 24.57 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

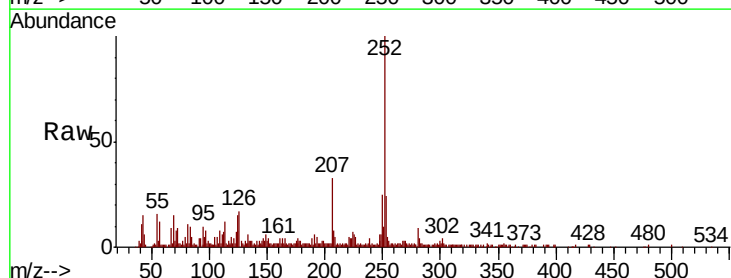
Tgt Ion:252 Resp: 99802

Ion Ratio Lower Upper

252 100

253 24.0 19.3 28.9

125 14.6 10.4 15.6



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

