

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045484.D
 Acq On : 27 May 2020 20:18
 Operator : CG/JU
 Sample : L2744-19
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 28 00:44:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 13:40:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	101893	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	401410	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	270136	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	556366	20.00	ng	0.00
76) Chrysene-d12	21.61	240	494336	20.00	ng	0.00
87) Perylene-d12	24.76	264	536161	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	363470	69.71	ng	0.00
7) Phenol-d6	7.17	99	557819	75.17	ng	0.00
23) Nitrobenzene-d5	9.12	82	399093	54.22	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	259994	75.26	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	936047	58.78	ng	0.00
79) Terphenyl-d14	19.96	244	1262367	59.56	ng	0.00

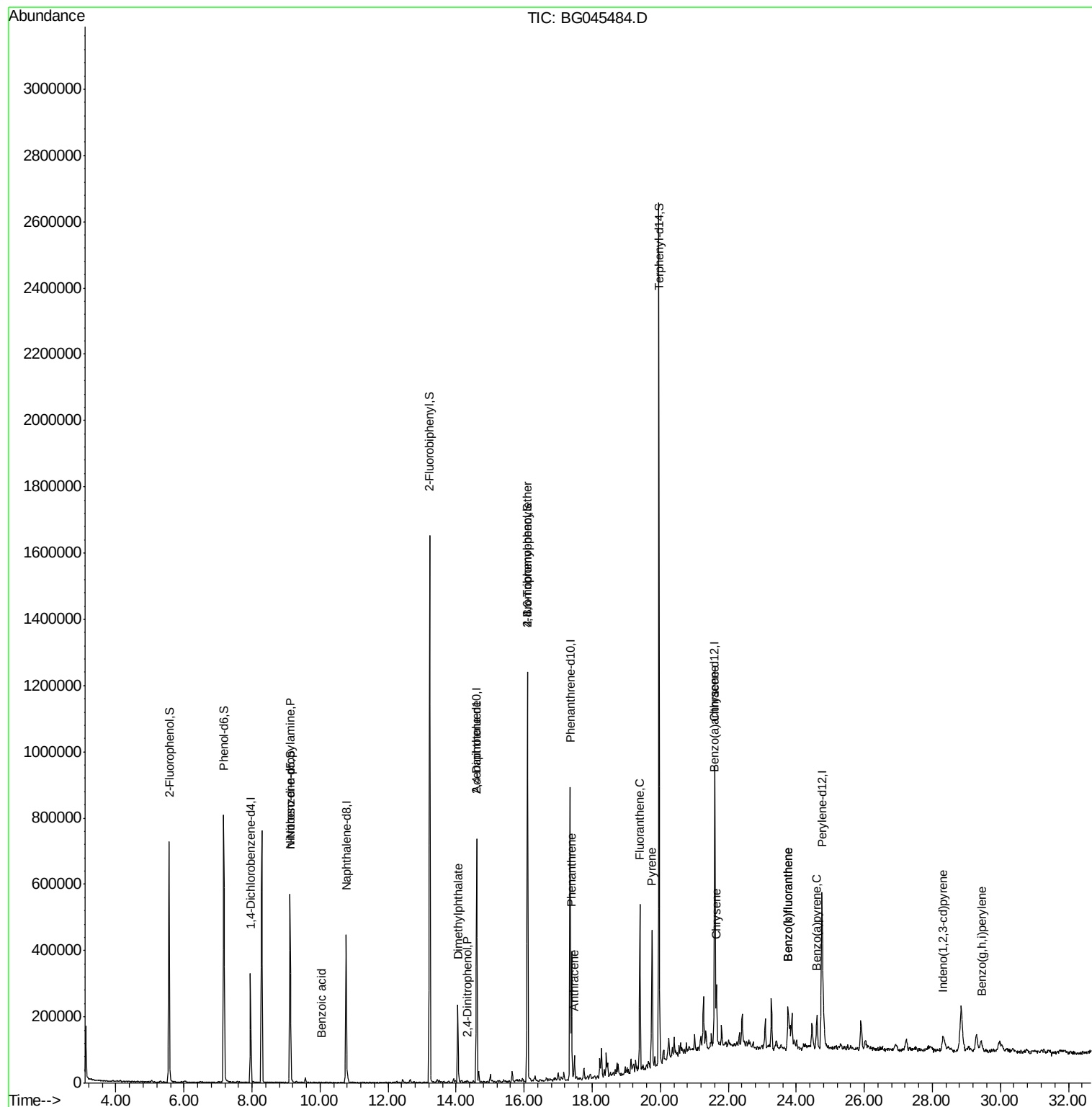
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.12	70	54518	10.624	ng	# 78
32) Benzoic acid	10.04	122	63	10.037	ng	# 1
50) Dimethylphthalate	14.05	163	170585	9.205	ng	100
54) 2,4-Dinitrophenol	14.34	184	60	5.479	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	35508	5.863	ng	# 23
67) 4-Bromophenyl-phenylether	16.10	248	17793	2.953	ng	# 1
71) Phenanthrene	17.39	178	251974	10.374	ng	97
72) Anthracene	17.48	178	51000	2.091	ng	96
75) Fluoranthene	19.40	202	322864	10.451	ng	99
78) Pyrene	19.76	202	283104	10.047	ng	98
81) Benzo(a)anthracene	21.59	228	140884	5.116	ng	97
83) Chrysene	21.65	228	138357	5.225	ng	96
86) Indeno(1,2,3-cd)pyrene	28.32	276	83540	2.413	ng	# 90
88) Benzo(b)fluoranthene	23.77	252	167283	5.818	ng	98
89) Benzo(k)fluoranthene	23.77	252	167283	6.192	ng	99
90) Benzo(a)pyrene	24.61	252	123830	4.624	ng	98
92) Benzo(a,h,i)perylene	29.44	276	77588	2.883	ng	97

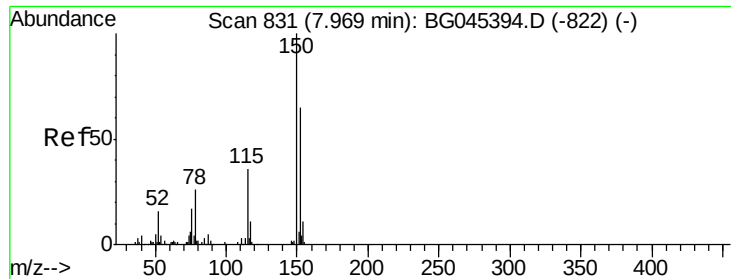
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
Data File : BG045484.D
Acq On : 27 May 2020 20:18
Operator : CG/JU
Sample : L2744-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 28 00:44:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 27 13:40:45 2020
Response via : Initial Calibration



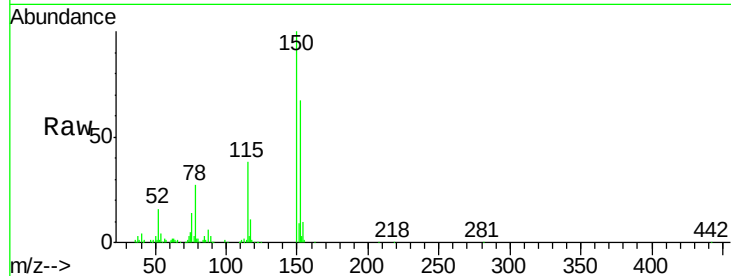


#1

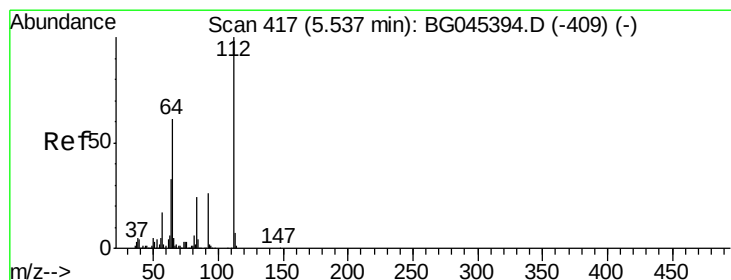
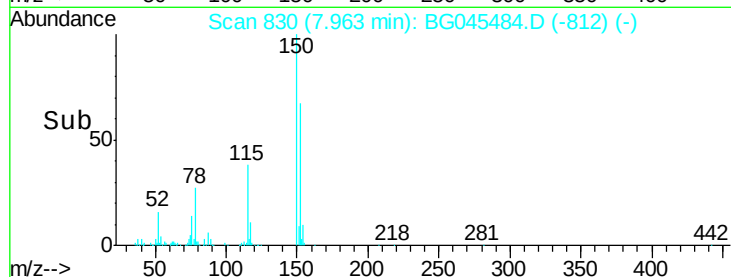
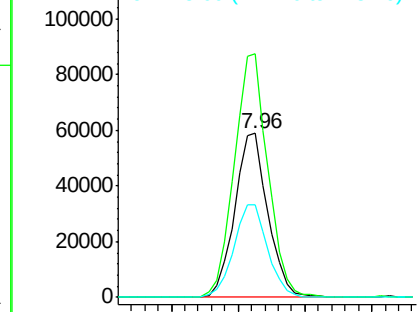
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.3	122.4	183.6
115	56.7	44.2	66.4



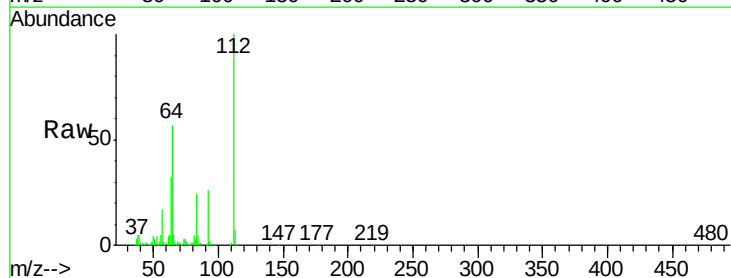
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



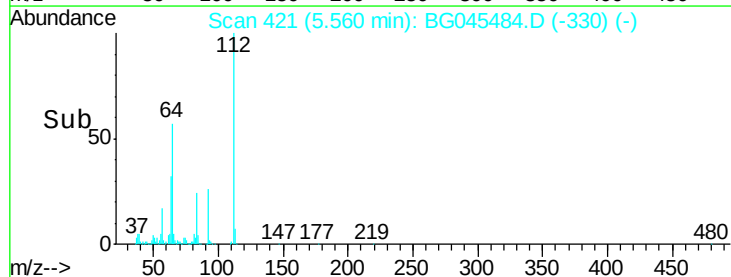
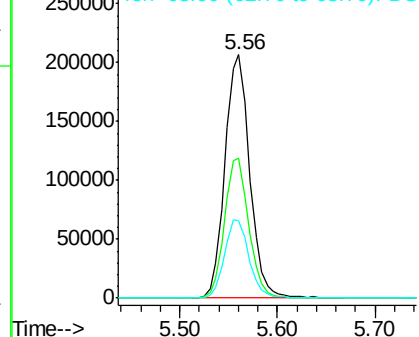
#5

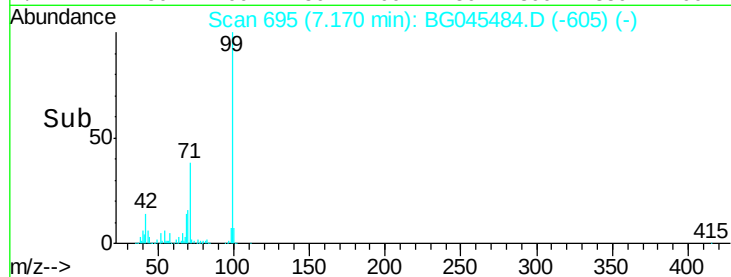
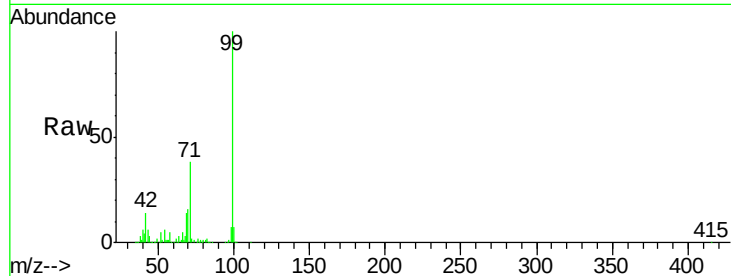
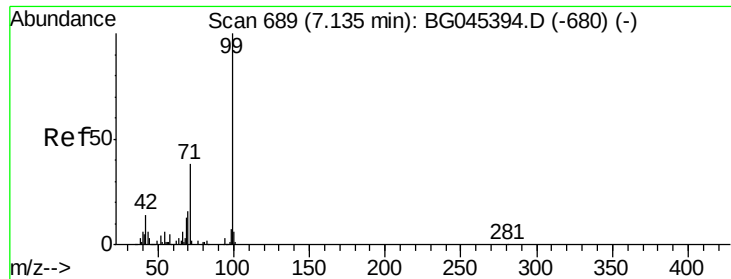
2-Fluorophenol
Concen: 69.713 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	48.6	72.8
63	31.7	26.5	39.7



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: 75.170 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

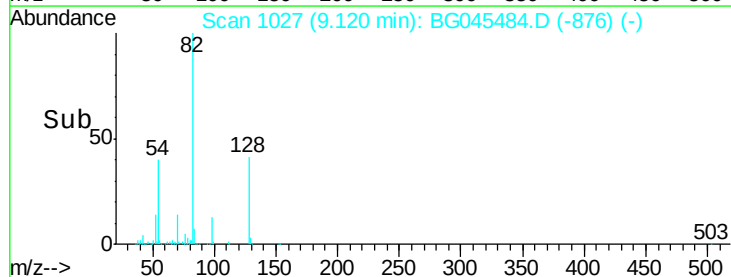
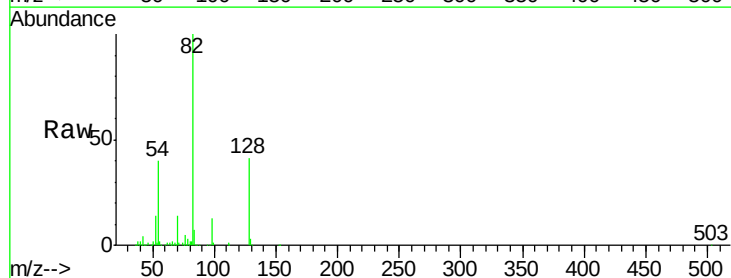
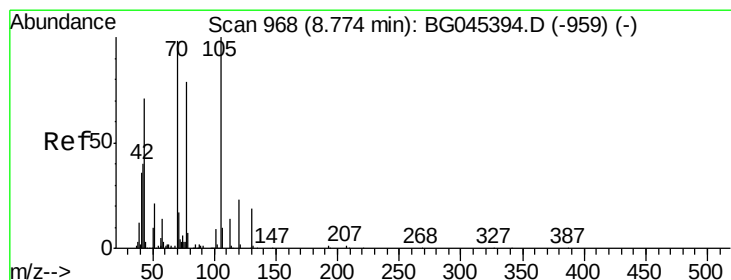
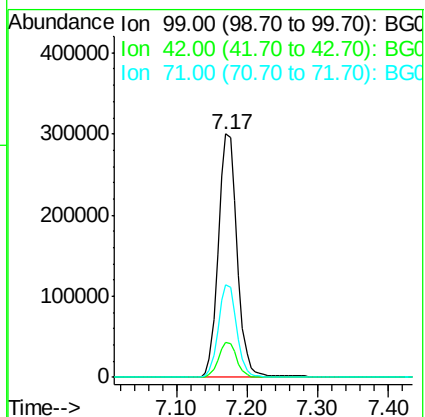
Tot Ion: 99 Resp: 557819

Ion Ratio Lower Upper

99 100

42 14.4 11.3 16.9

71 38.0 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.624 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Tgt Ion: 70 Resp: 54518

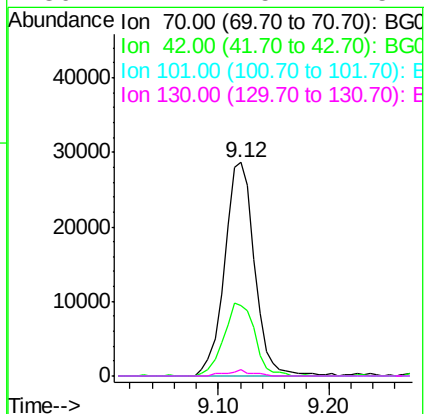
Ion Ratio Lower Upper

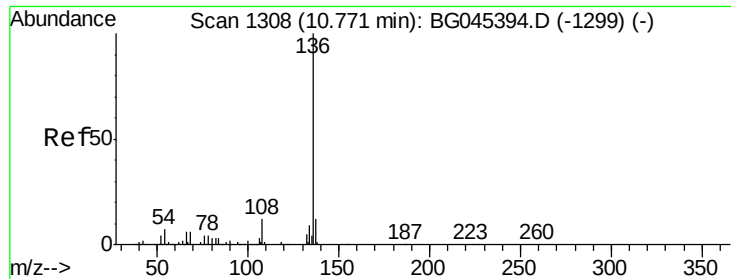
70 100

42 32.9 33.2 49.8#

101 0.0 7.8 11.6#

130 2.7 15.4 23.2#

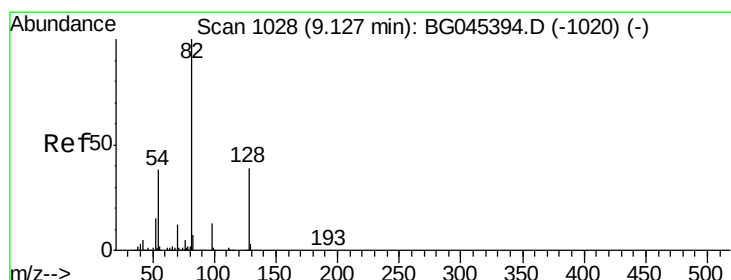
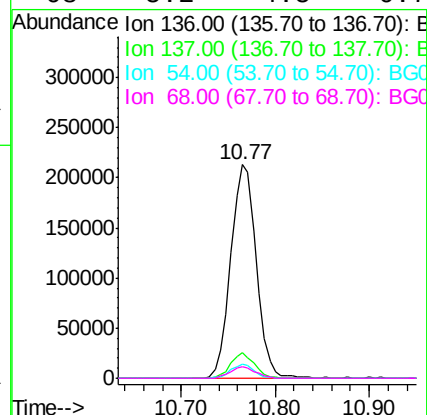
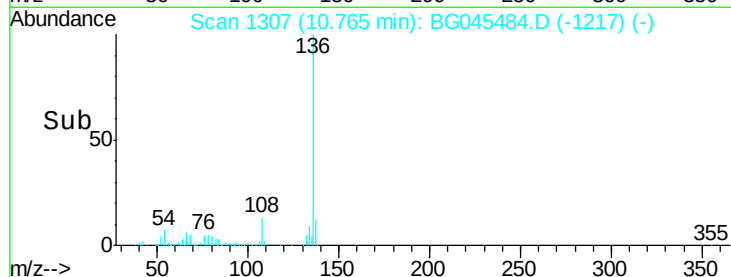
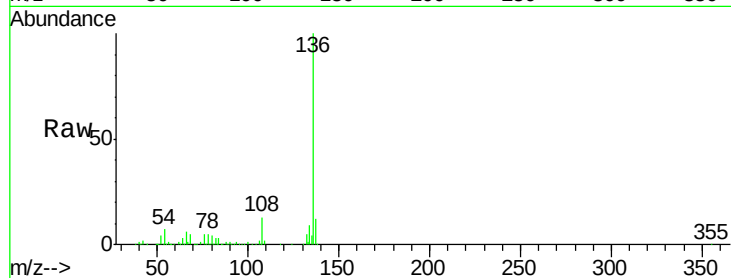




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

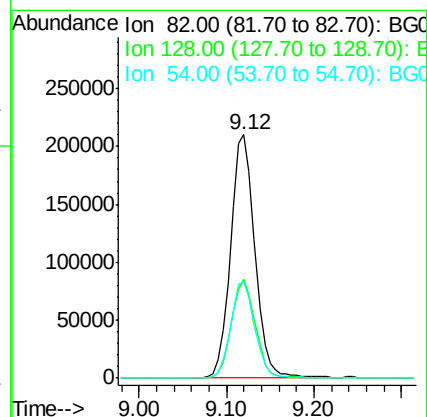
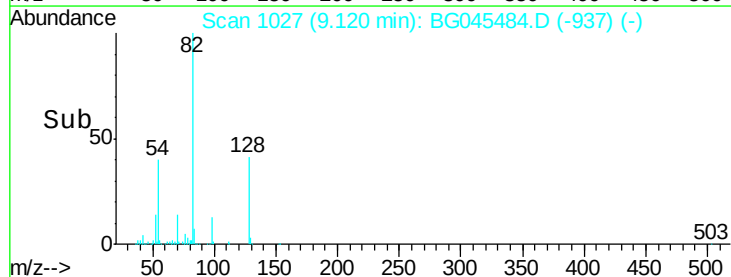
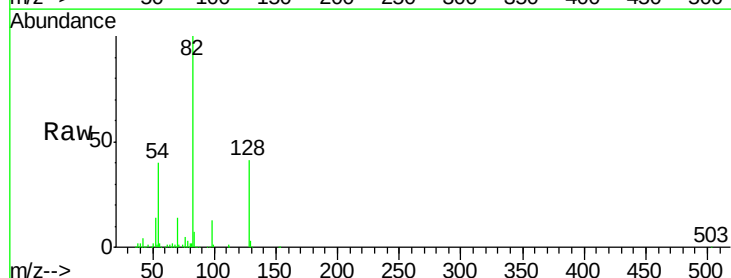
Instrument :
BNA_G
ClientSampleId :

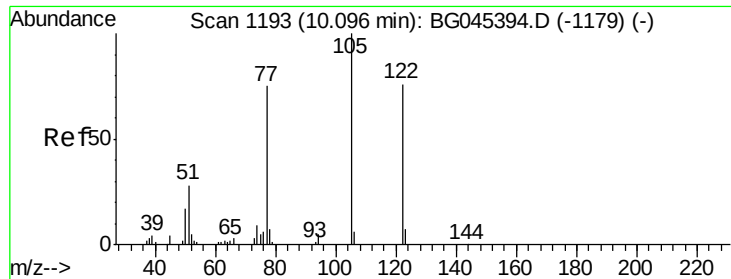
Tot Ion:136	Resp:	401410
Ion Ratio	Lower	Upper
136 100		
137 11.7	9.4	14.2
54 6.8	5.8	8.6
68 5.2	4.5	6.7



#23
Nitrobenzene-d5
Concen: 54.217 ng
RT: 9.12 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Tgt	Ion: 82	Resp:	399093
Ion	Ratio	Lower	Upper
82	100		
128	40.9	30.9	46.3
54	39.8	30.3	45.5

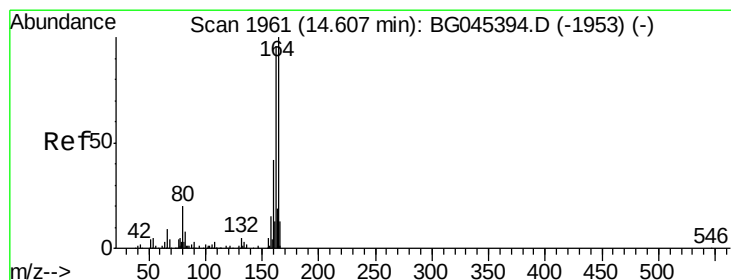
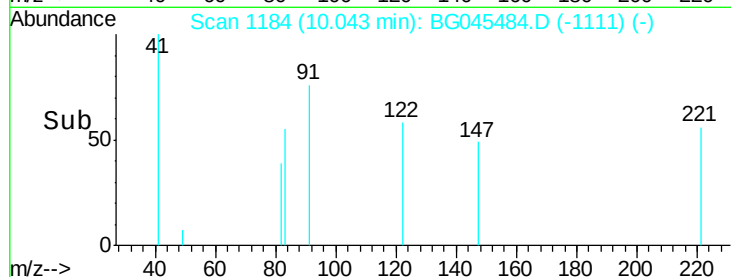
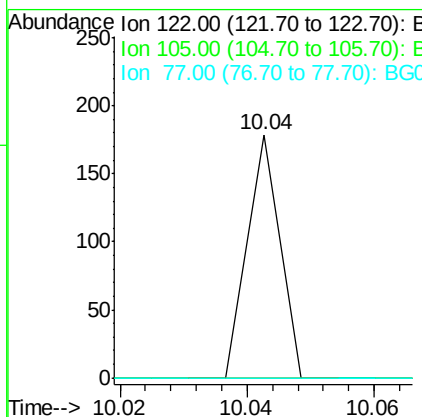
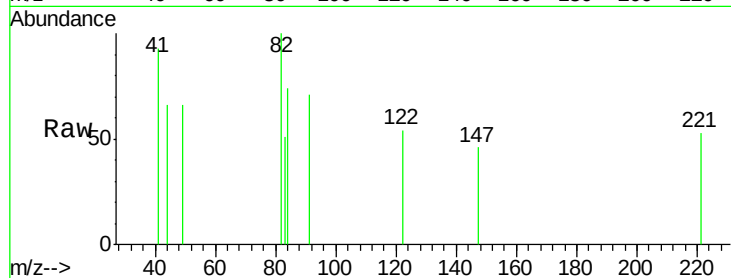




#32
Benzoic acid
Concen: 10.037 ng
RT: 10.04 min Scan# 1184
Delta R.T. -0.10 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

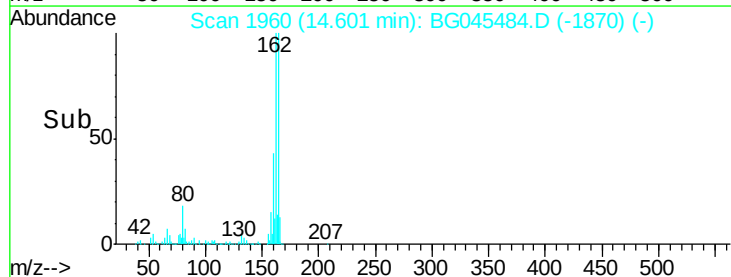
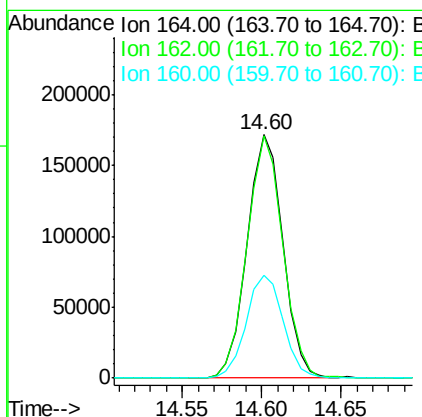
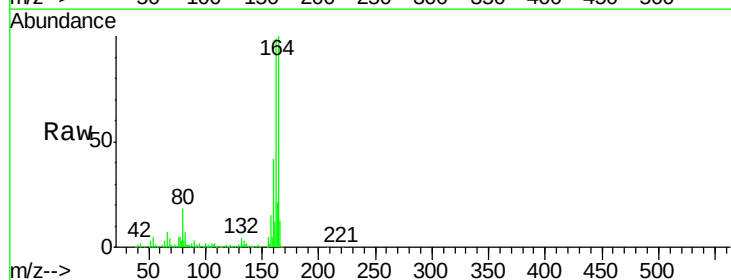
Instrument :
BNA_G
ClientSampleId :

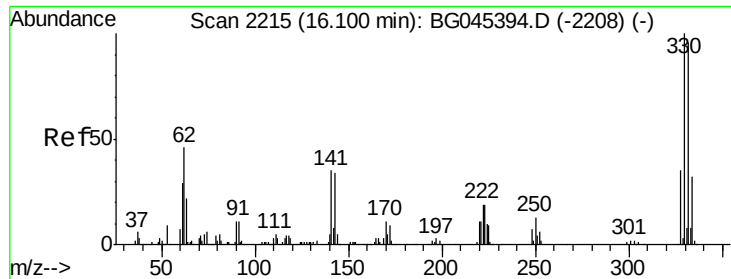
Tot Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Tgt Ion:164 Resp: 270136
Ion Ratio Lower Upper
164 100
162 99.4 76.9 115.3
160 42.4 33.8 50.8

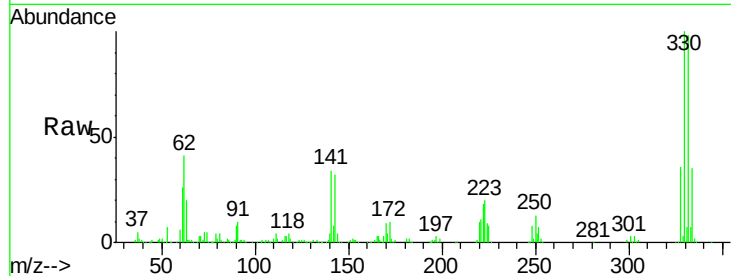




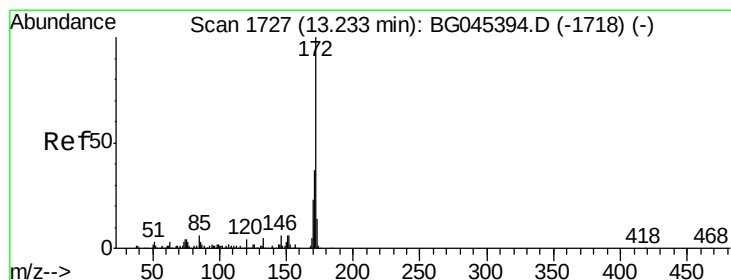
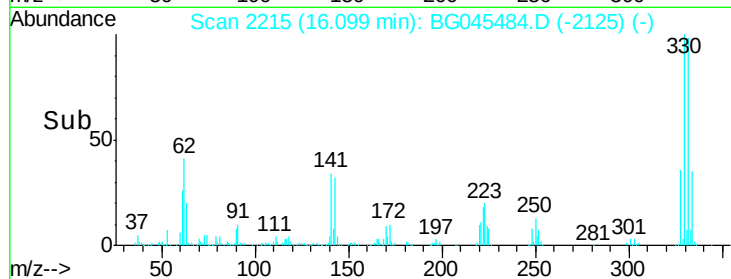
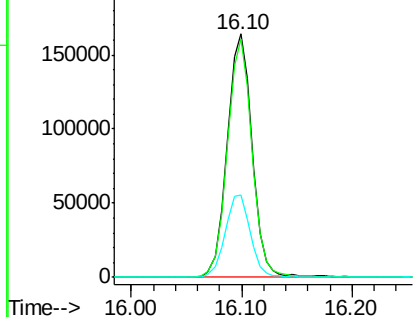
#42
 2,4,6-Tribromophenol
 Concen: 75.257 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.2	117.4
141	34.2	28.2	42.4

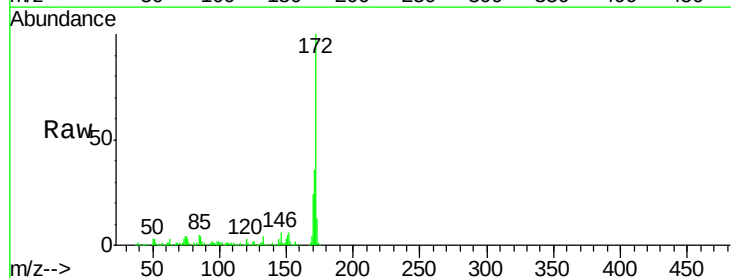


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

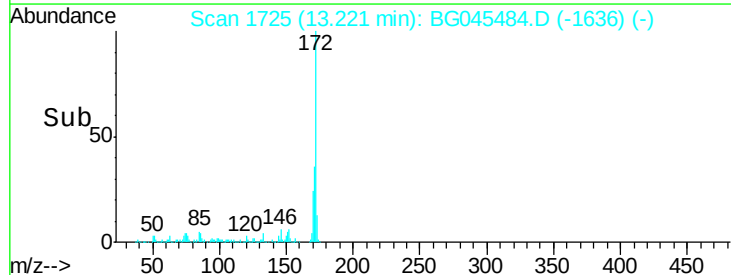
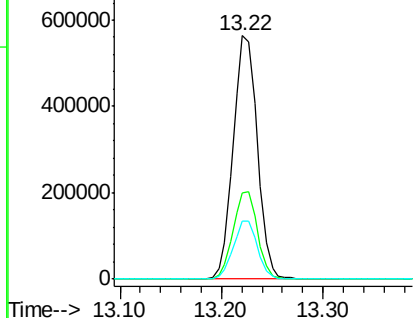


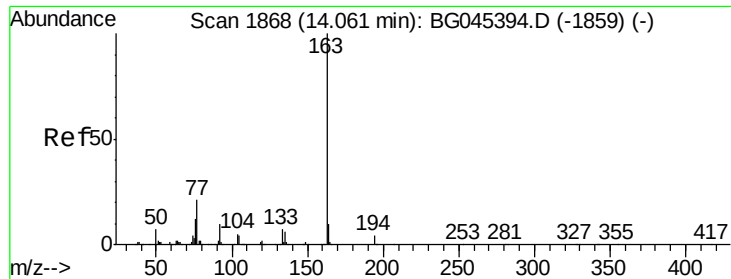
#45
 2-Fluorobiphenyl
 Concen: 58.775 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.5	44.3
170	24.0	18.5	27.7



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: 9.205 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampled :

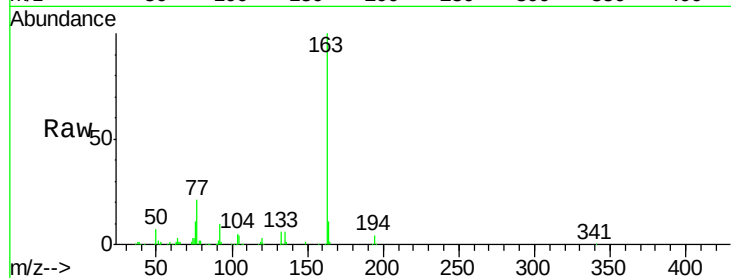
Tot Ion:163 Resp: 170585

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

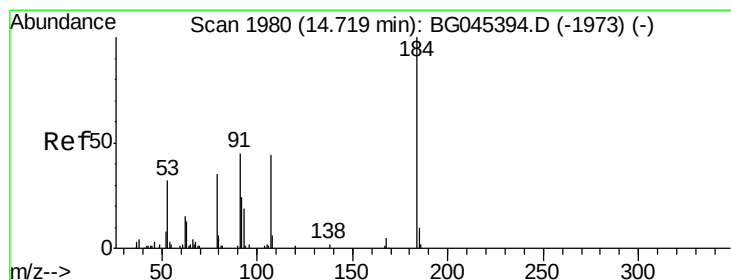
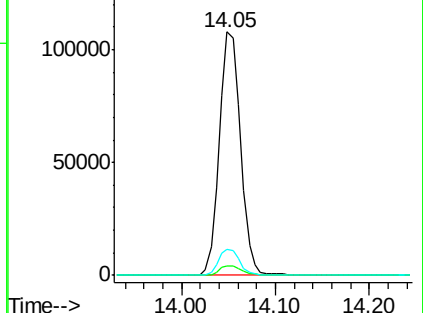
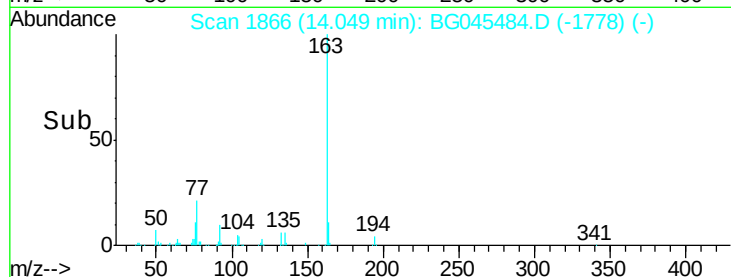
164 10.6 8.3 12.5



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



#54

2,4-Dinitrophenol

Concen: 5.479 ng

RT: 14.34 min Scan# 1916

Delta R.T. -0.38 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

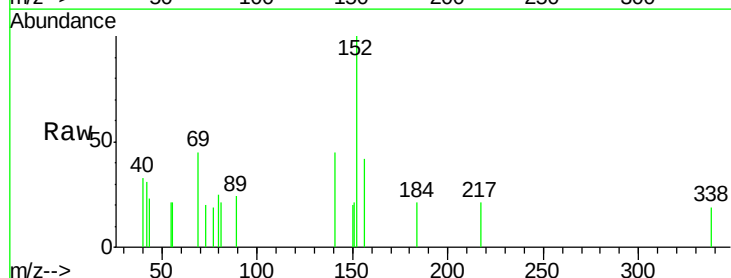
Tgt Ion:184 Resp: 60

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

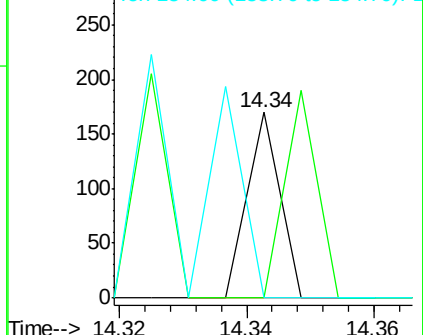
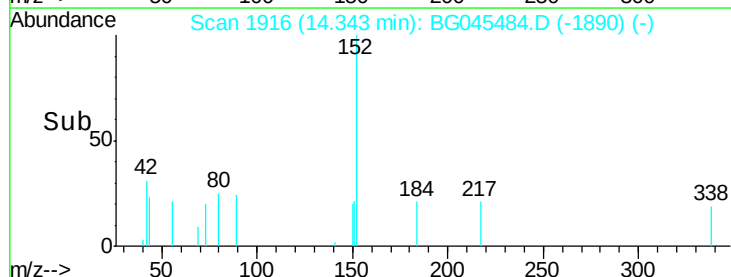
154 0.0 58.3 87.5#

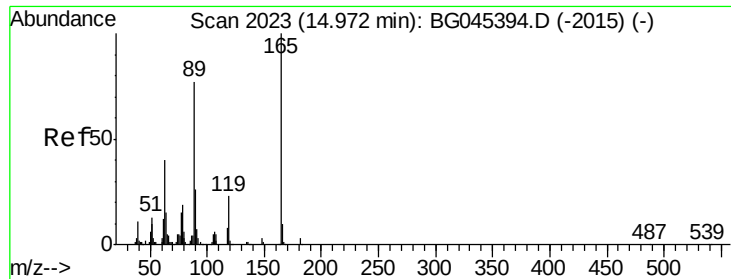


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

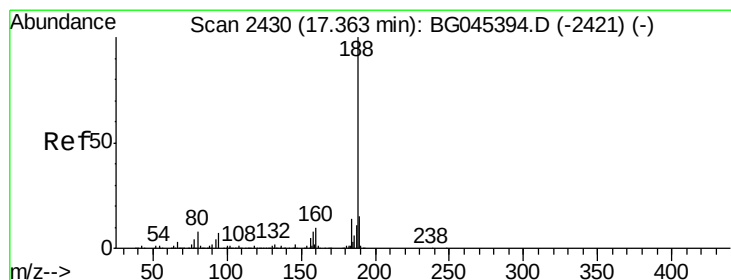
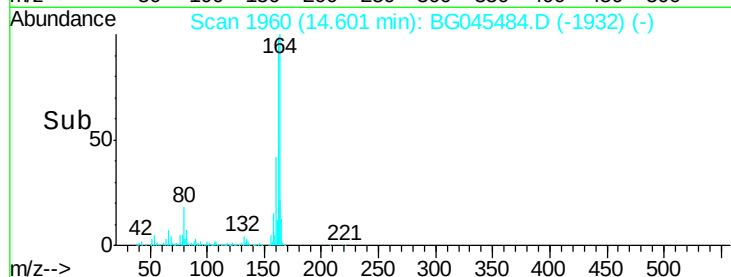
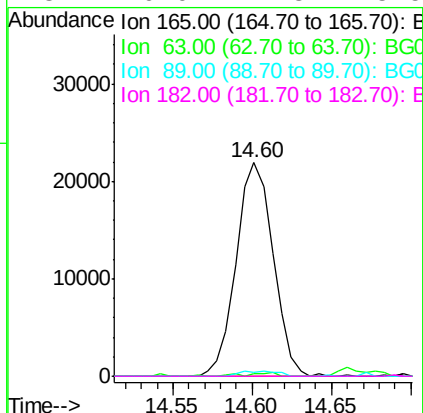
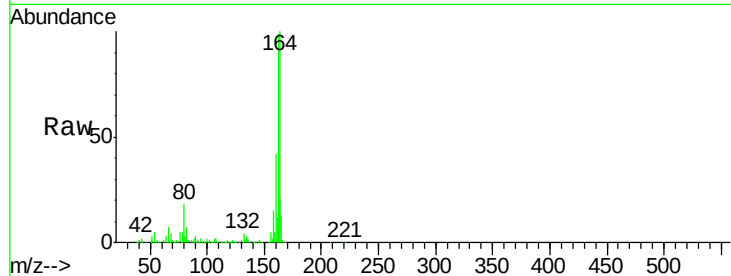




#57
 2,4-Dinitrotoluene
 Concen: 5.863 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.36 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

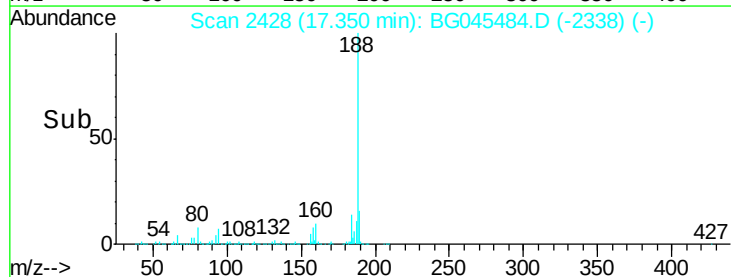
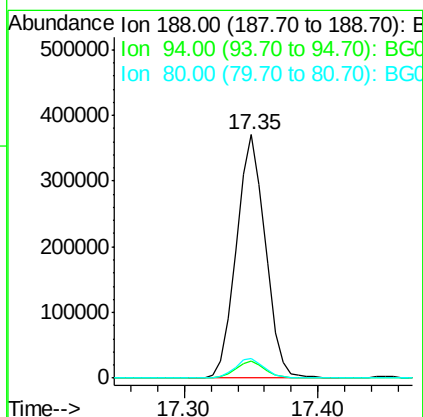
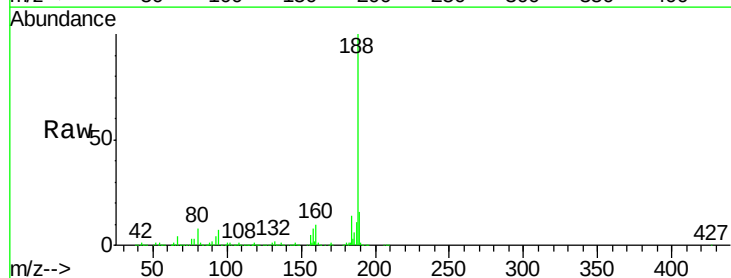
Instrument :
 BNA_G
 ClientSampleId :

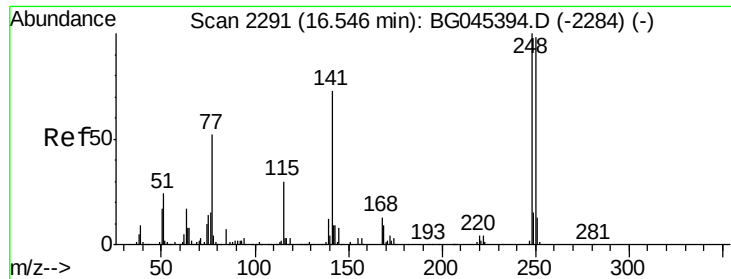
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.5	48.7#
89	2.1	61.8	92.6#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.5	8.3
80	7.8	6.6	10.0

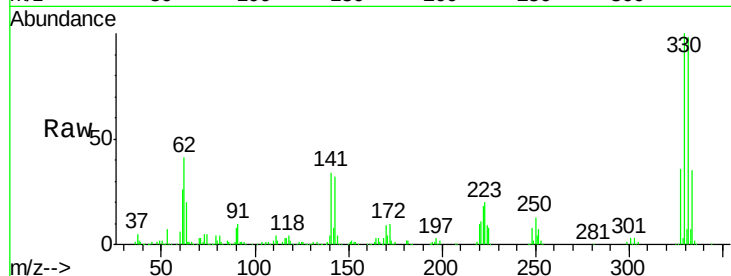




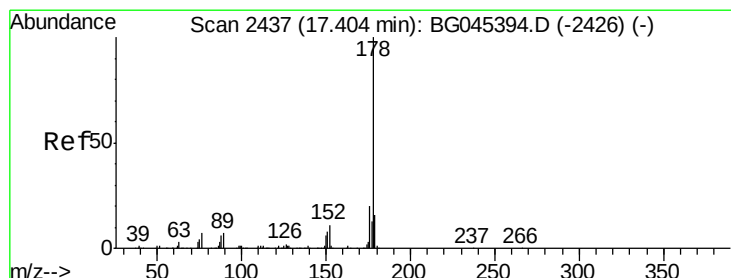
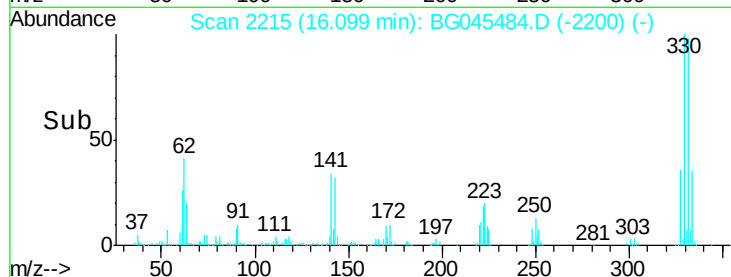
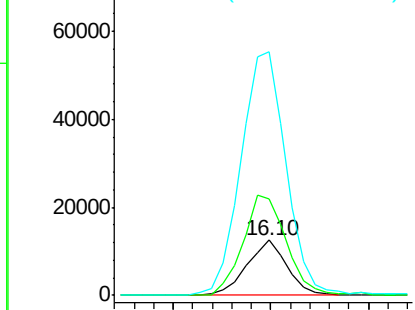
#67
 4-Bromophenyl-phenylether
 Concen: 2.953 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.44 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 17793
 Ion Ratio Lower Upper
 248 100
 250 175.1 78.6 117.8#
 141 443.2 58.2 87.2#

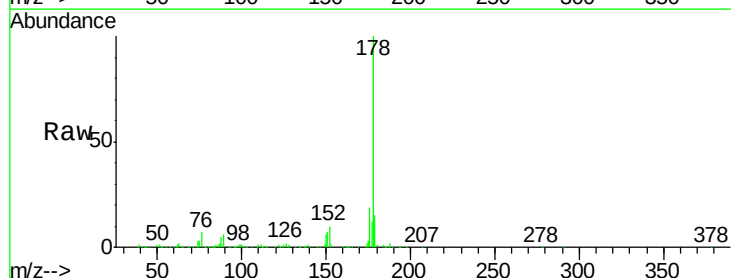


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

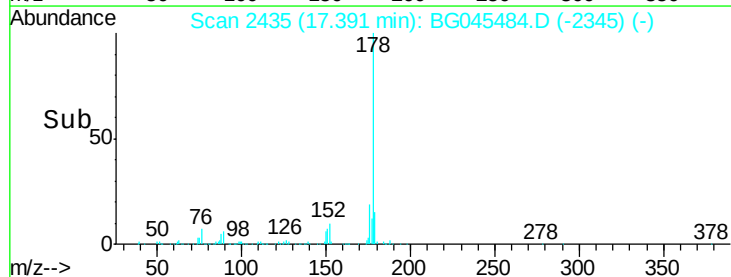
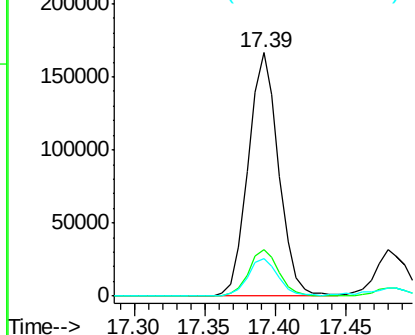


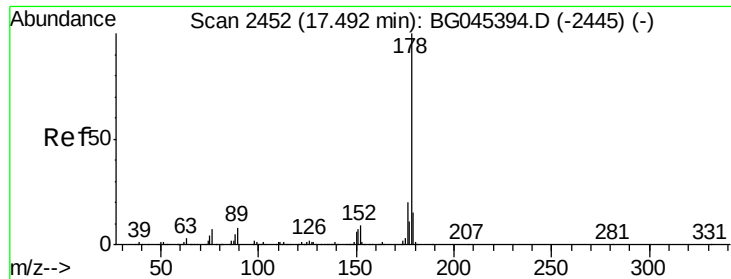
#71
 Phenanthrene
 Concen: 10.374 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

Tgt Ion:178 Resp: 251974
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.2 13.1 19.7



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

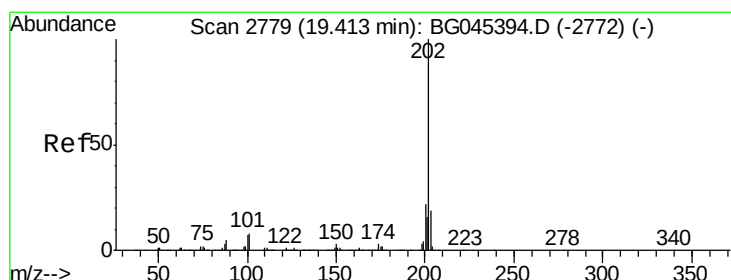
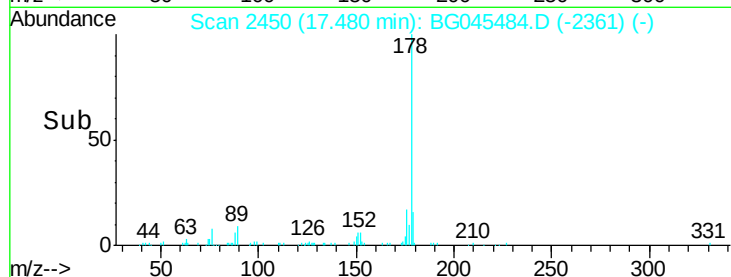
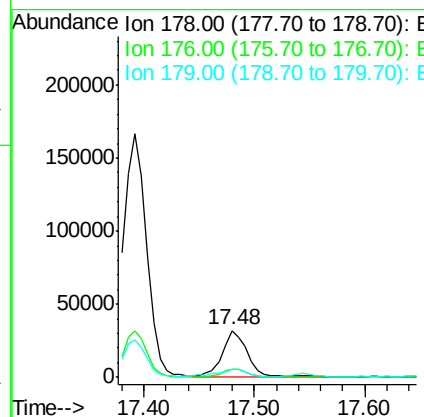
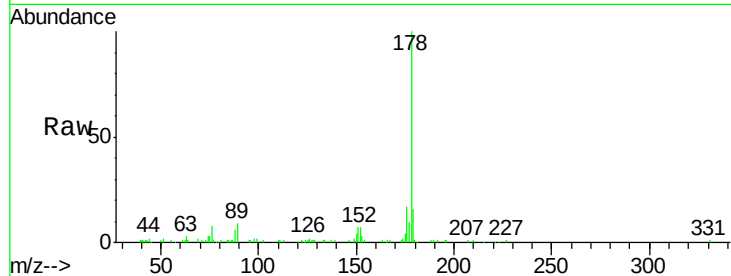




#72
 Anthracene
 Concen: 2.091 ng
 RT: 17.48 min Scan# 2450
 Delta R.T. -0.01 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

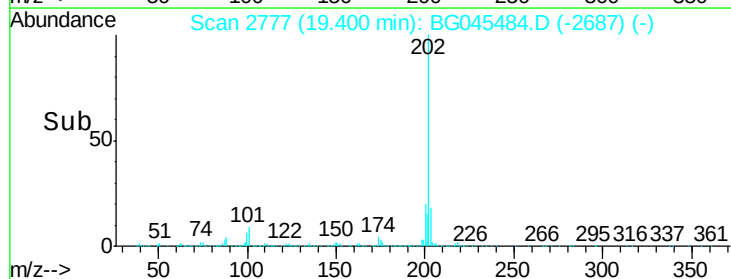
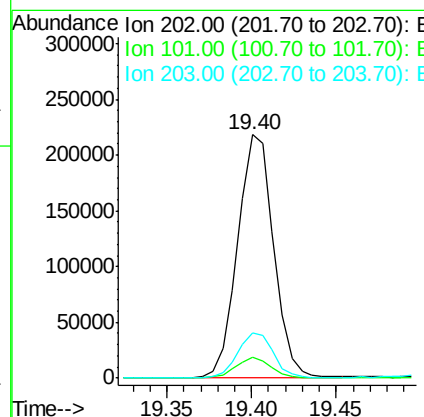
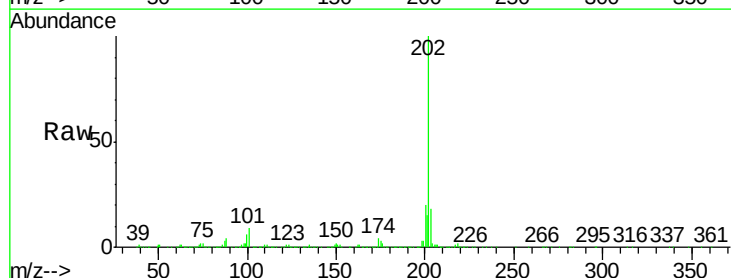
Instrument :
 BNA_G
 ClientSampleId :

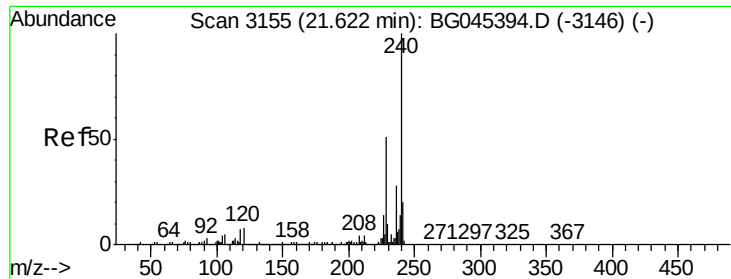
Tot Ion:178 Resp: 51000
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.8 23.6
 179 16.1 12.2 18.4



#75
 Fluoranthene
 Concen: 10.451 ng
 RT: 19.40 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: BG045484.D
 Acq: 27 May 2020 20:18

Tgt Ion:202 Resp: 322864
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 28.3
 203 18.5 0.0 39.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

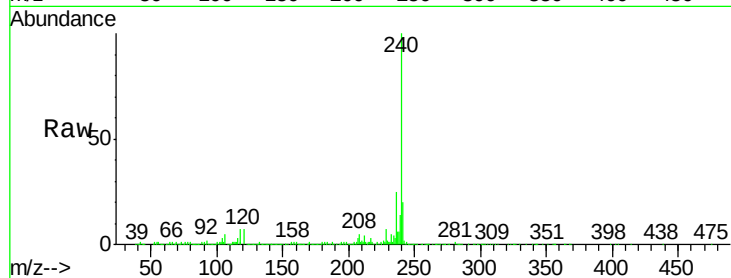
Tot Ion:240 Resp: 494336

Ion Ratio Lower Upper

240 100

120 7.0 6.1 9.1

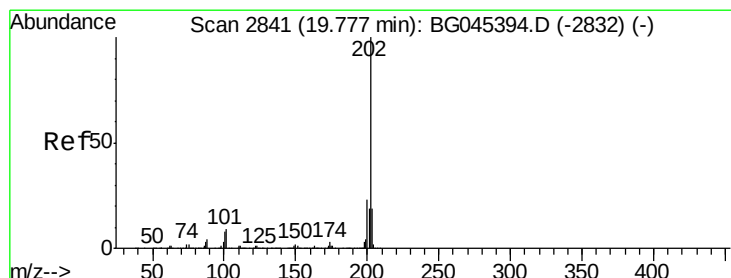
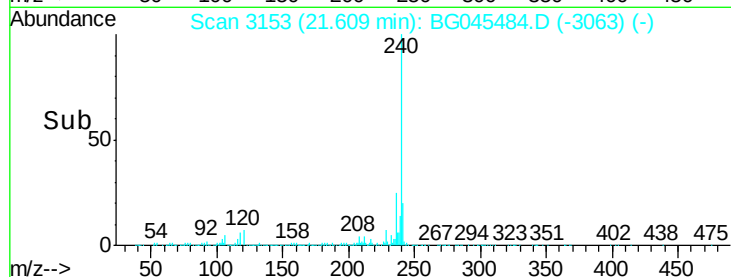
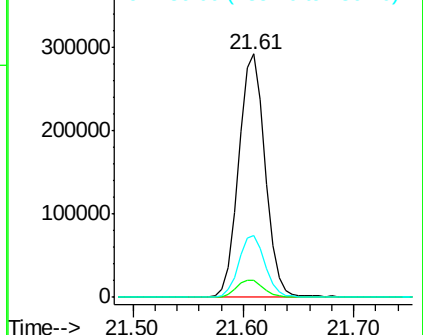
236 25.3 22.3 33.5



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: 10.047 ng

RT: 19.76 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

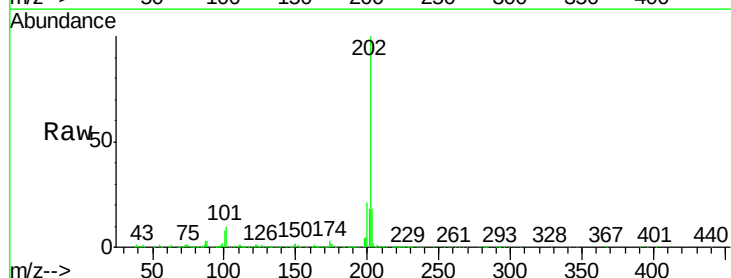
Tgt Ion:202 Resp: 283104

Ion Ratio Lower Upper

202 100

200 21.4 18.2 27.2

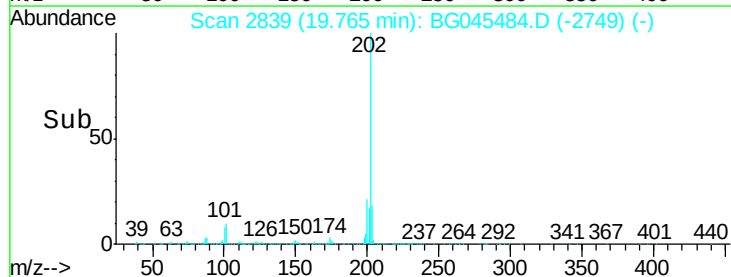
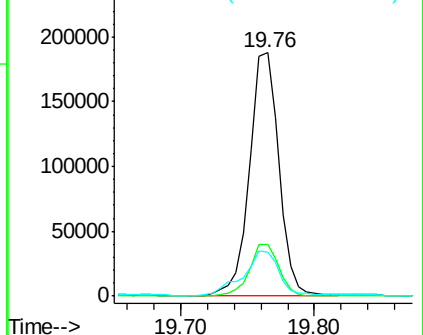
203 17.9 15.1 22.7

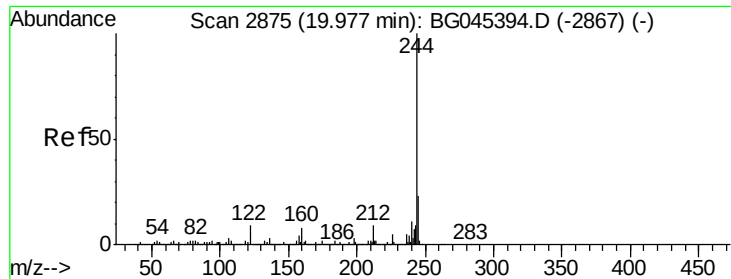


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 59.559 ng

RT: 19.96 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

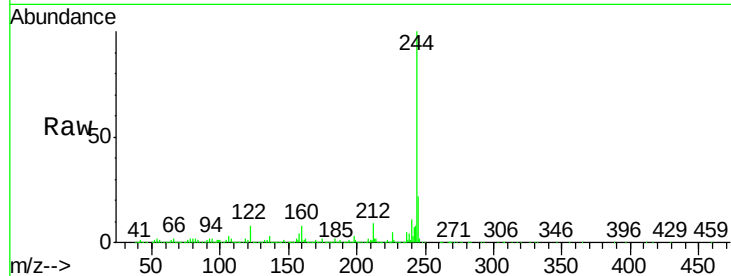
Tot Ion:244 Resp: 1262367

Ion Ratio Lower Upper

244 100

212 8.8 7.4 11.0

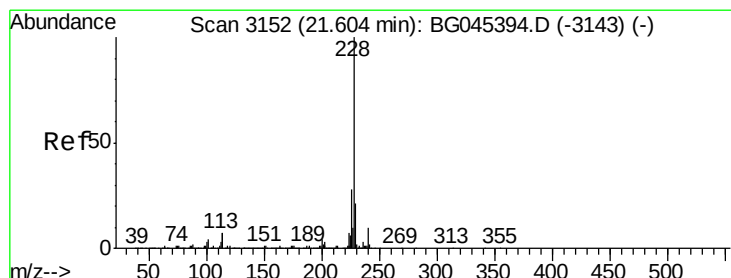
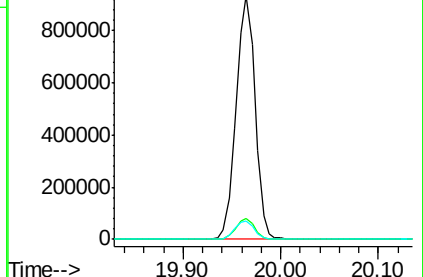
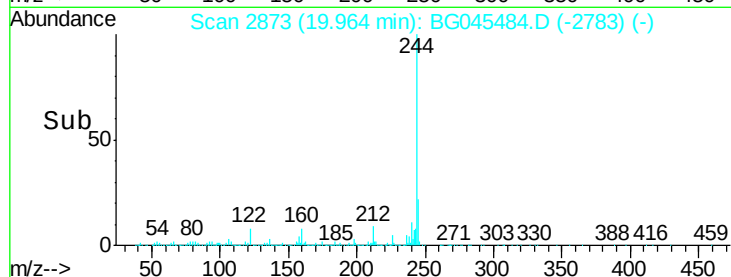
122 7.7 6.8 10.2



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: 5.116 ng

RT: 21.59 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

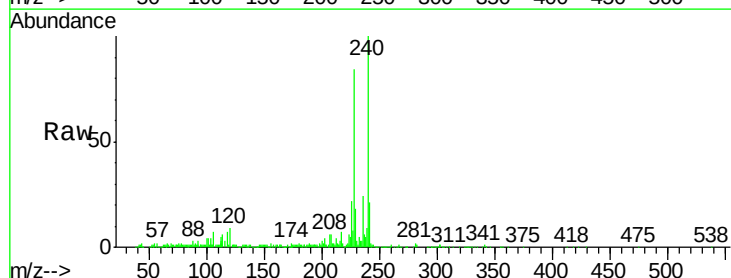
Tgt Ion:228 Resp: 140884

Ion Ratio Lower Upper

228 100

226 26.5 22.7 34.1

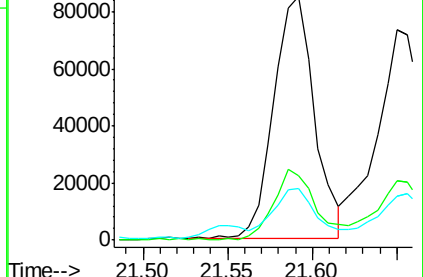
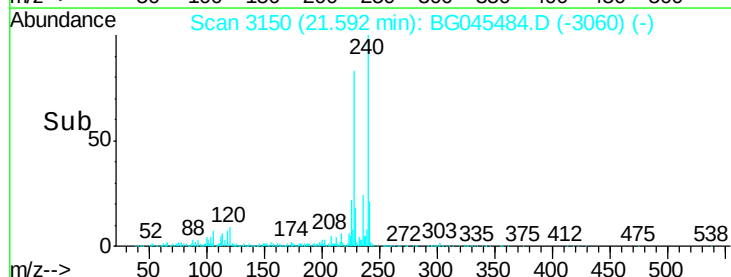
229 21.4 16.7 25.1

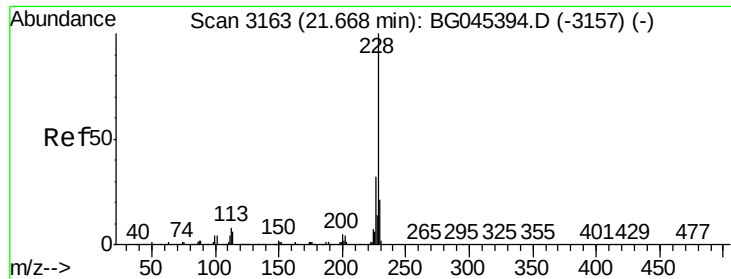


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.225 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

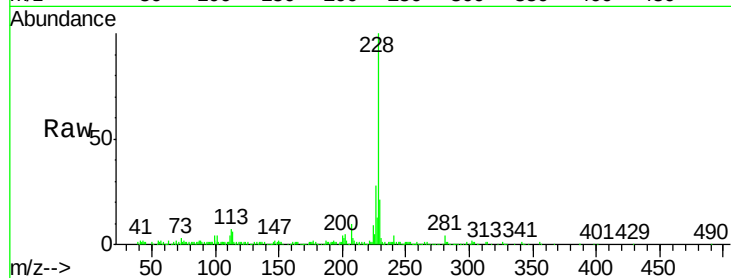
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 138357

Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.2	37.8
229	20.7	16.7	25.1

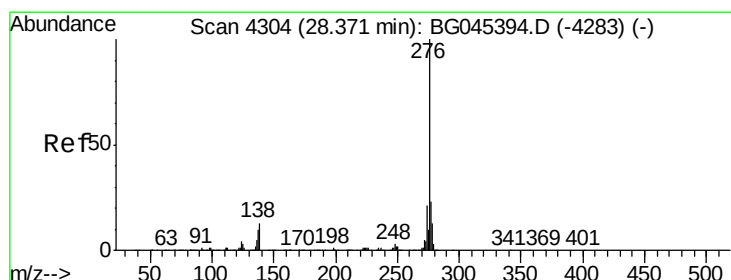
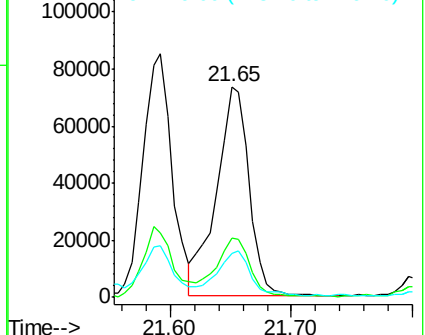
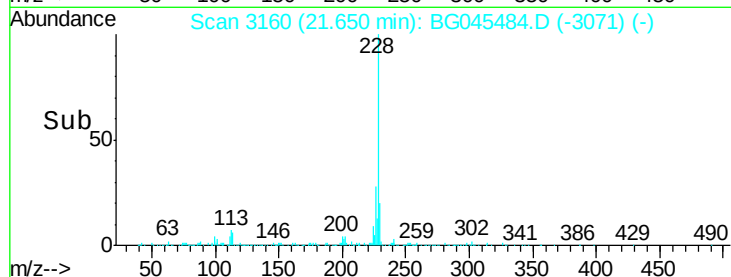


Abundance

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

Indeno(1,2,3-cd)pyrene

Concen: 2.413 ng

RT: 28.32 min Scan# 4296

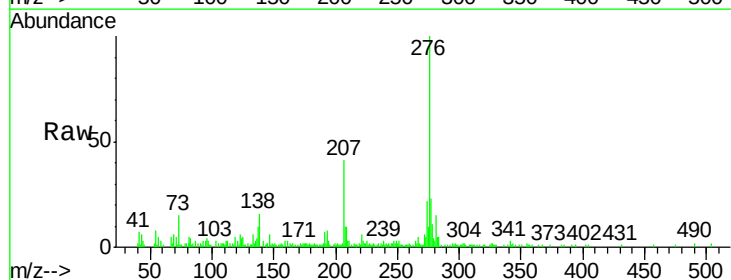
Delta R.T. -0.00 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Tgt Ion:276 Resp: 83540

Ion	Ratio	Lower	Upper
276	100		
138	1.7	8.6	12.8#
277	23.6	20.2	30.4

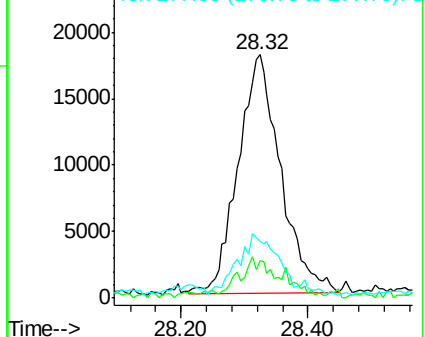
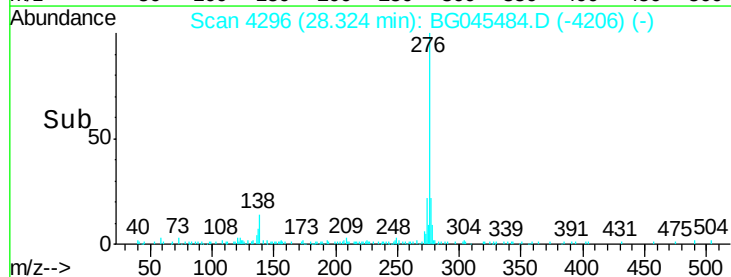


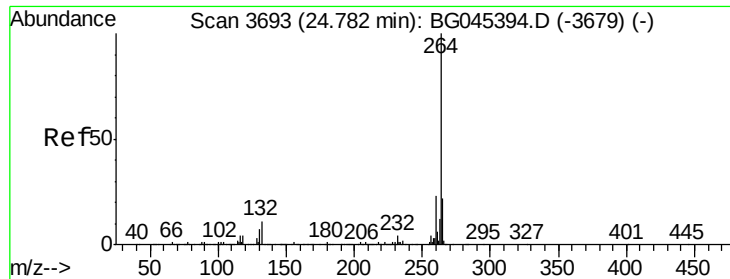
Abundance

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

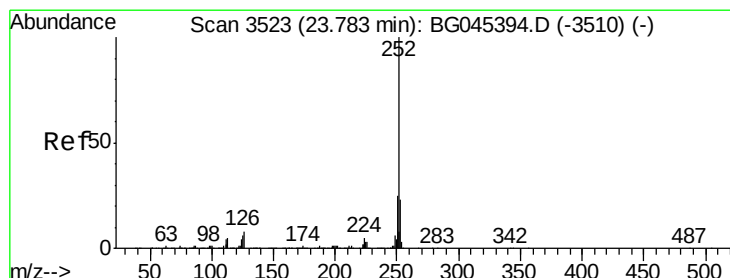
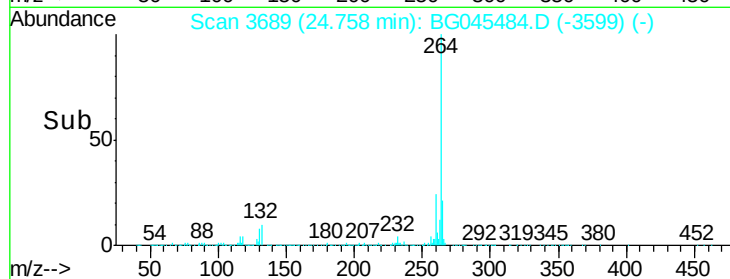
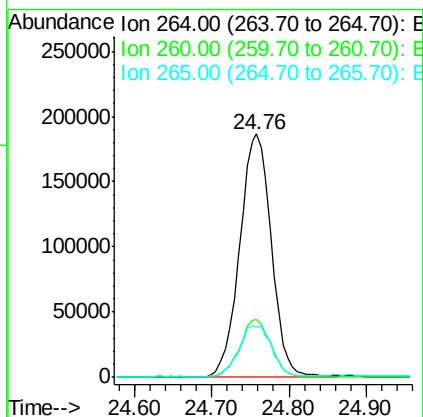
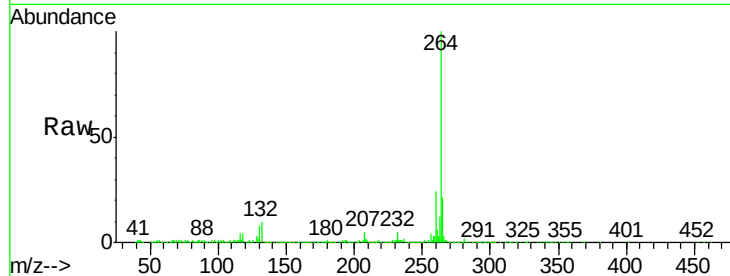




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.76 min Scan# 3689
Delta R.T. -0.00 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

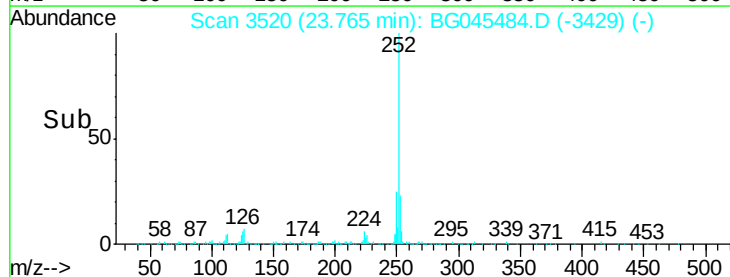
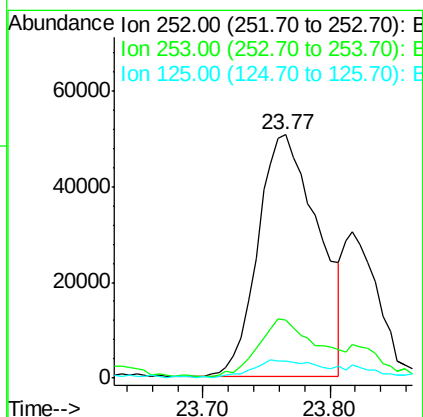
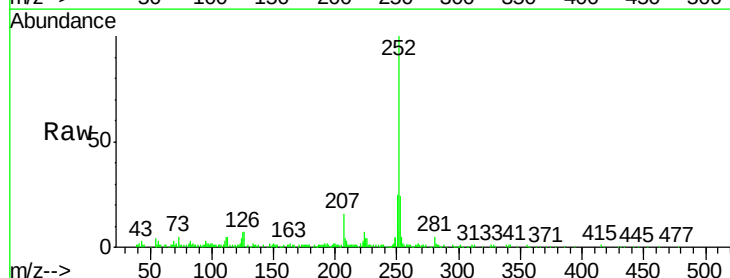
Instrument :
BNA_G
ClientSampled :

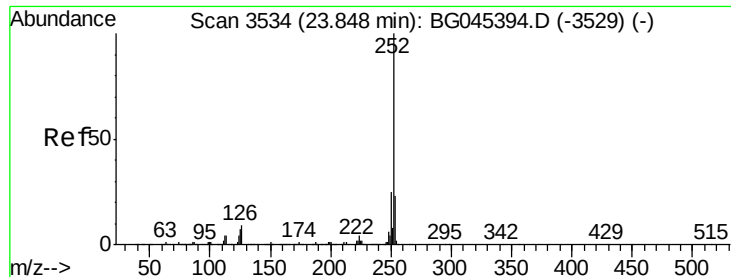
Tot Ion:264 Resp: 536161
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.4
265 20.9 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 5.818 ng
RT: 23.77 min Scan# 3520
Delta R.T. 0.01 min
Lab File: BG045484.D
Acq: 27 May 2020 20:18

Tgt Ion:252 Resp: 167283
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 6.9 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 6.192 ng

RT: 23.77 min Scan# 3520

Delta R.T. -0.06 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

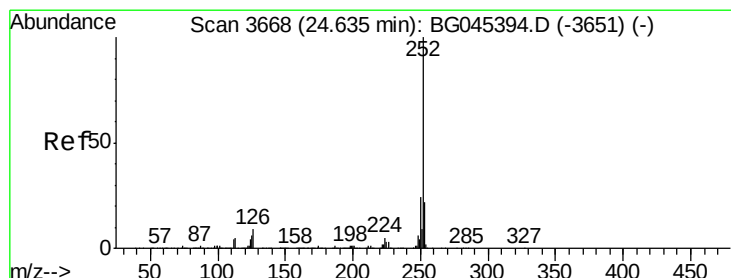
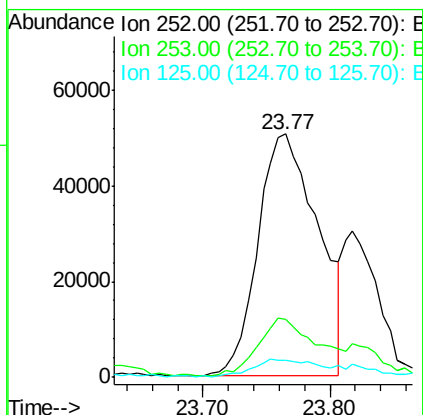
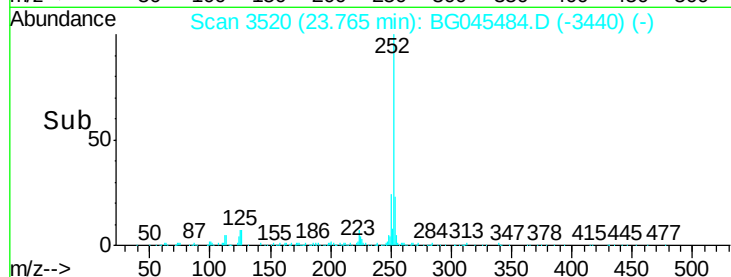
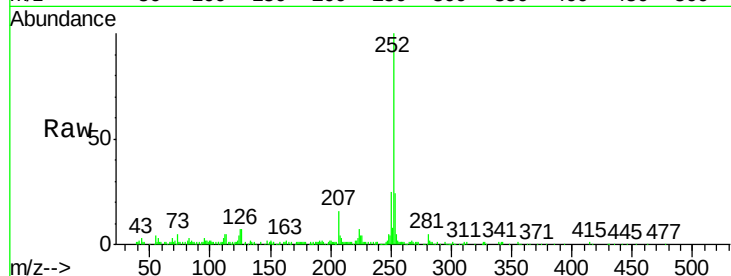
Tot Ion:252 Resp: 167283

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

125 6.9 5.7 8.5



#90

Benzo(a)pyrene

Concen: 4.624 ng

RT: 24.61 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

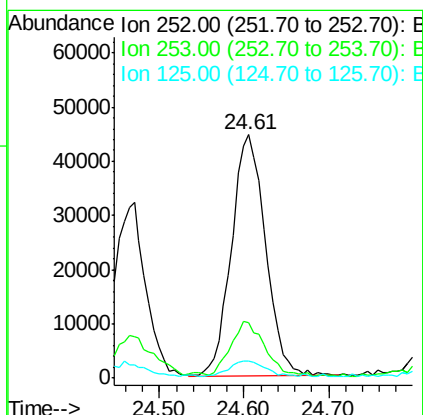
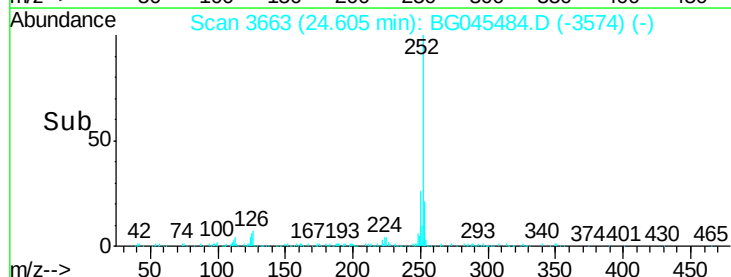
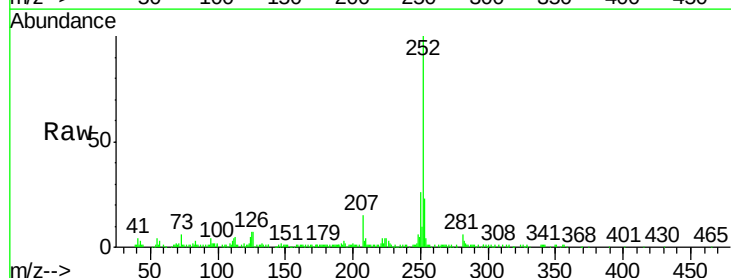
Tgt Ion:252 Resp: 123830

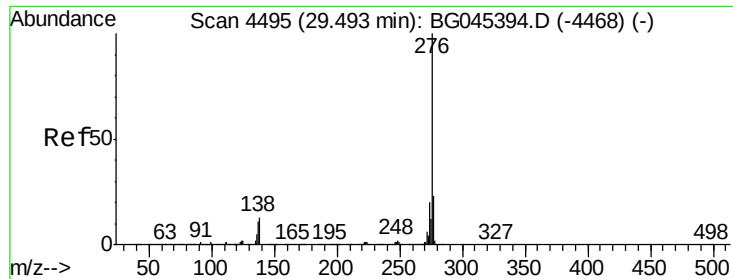
Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 6.8 5.0 7.6





#92

Benzo(a,h,i)perylene

Concen: 2.883 ng

RT: 29.44 min Scan# 4486

Delta R.T. -0.01 min

Lab File: BG045484.D

Acq: 27 May 2020 20:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 77588

Ion Ratio Lower Upper

276 100

277 24.2 18.1 27.1

138 13.9 10.2 15.4

