

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052620\
 Data File : BG045471.D
 Acq On : 27 May 2020 00:21
 Operator : CG/JU
 Sample : L2744-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 27 01:00:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 14:16:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	89676	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	364078	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	244449	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	517938	20.00	ng	0.00
76) Chrysene-d12	21.61	240	465281	20.00	ng	0.00
87) Perylene-d12	24.76	264	507299	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	409985	89.35	ng	0.00
7) Phenol-d6	7.18	99	619210	94.81	ng	0.00
23) Nitrobenzene-d5	9.12	82	437398	65.51	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	287421	91.94	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1011244	70.17	ng	0.00
79) Terphenyl-d14	19.97	244	1403992	70.38	ng	0.00

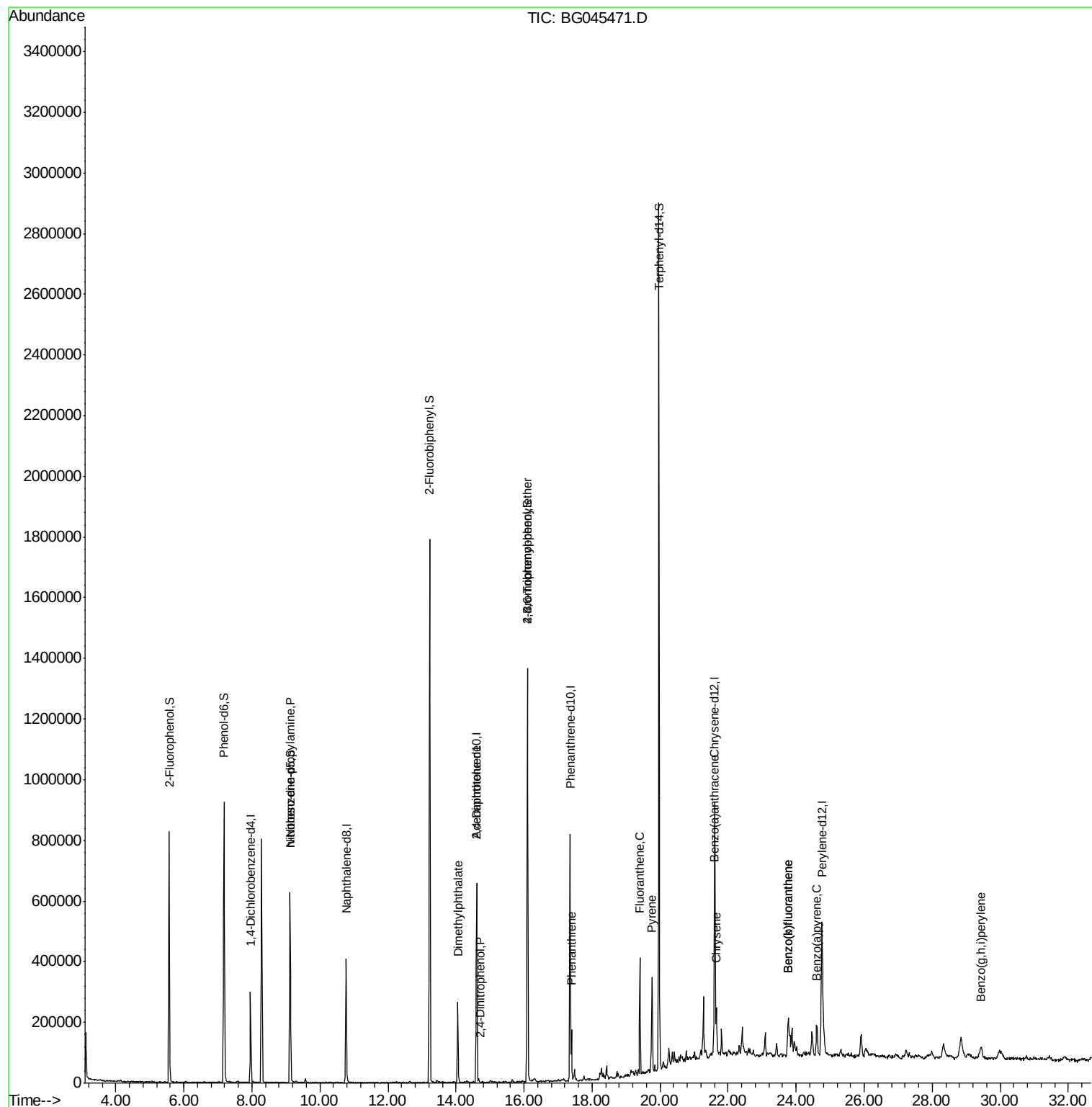
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.12	70	57419	12.714	ng	# 81
50) Dimethylphthalate	14.05	163	178814	10.663	ng	98
54) 2,4-Dinitrophenol	14.71	184	63	5.483	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	32271	5.889	ng	# 23
67) 4-Bromophenyl-phenylether	16.10	248	19156	3.416	ng	# 1
71) Phenanthrene	17.39	178	108391	4.794	ng	97
75) Fluoranthene	19.40	202	246559	8.573	ng	97
78) Pyrene	19.76	202	219478	8.275	ng	98
81) Benzo(a)anthracene	21.59	228	126750	4.890	ng	99
83) Chrysene	21.65	228	113570	4.557	ng	93
88) Benzo(b)fluoranthene	23.77	252	157901	5.804	ng	# 97
89) Benzo(k)fluoranthene	23.77	252	157901	6.178	ng	98
90) Benzo(a)pyrene	24.61	252	119039	4.698	ng	# 97
92) Benzo(a,h,i)perylene	29.43	276	84460	3.317	ng	95

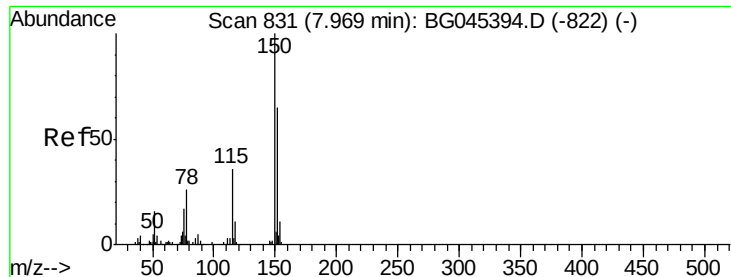
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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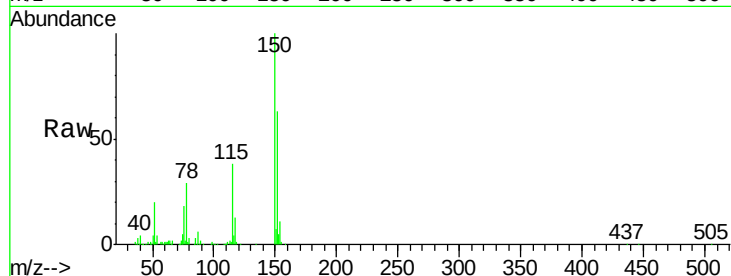


#1

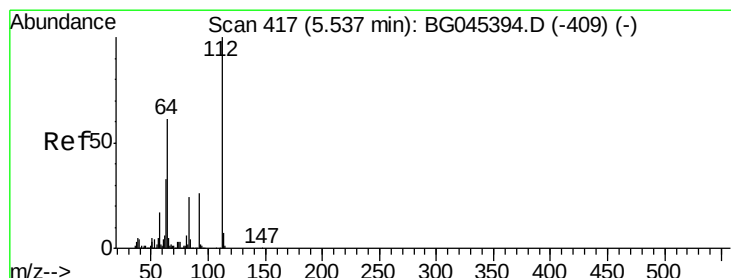
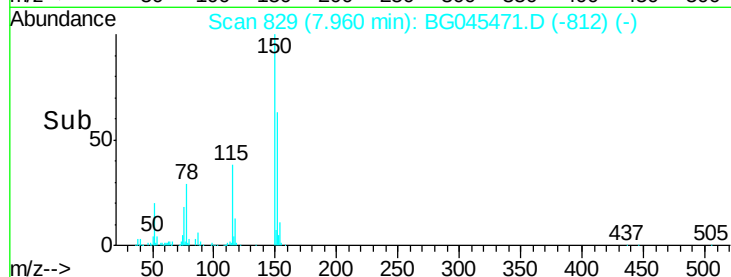
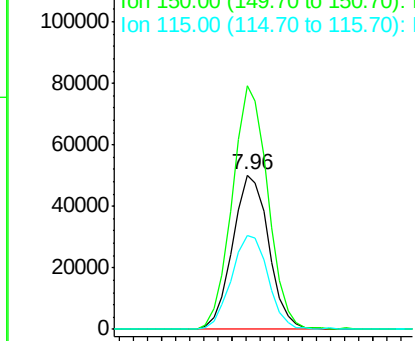
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045471.D
Acq: 27 May 2020 00:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 89676
Ion Ratio Lower Upper
152 100
150 157.6 122.4 183.6
115 60.6 44.2 66.4



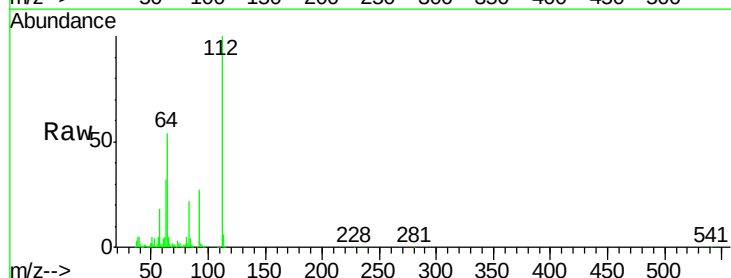
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



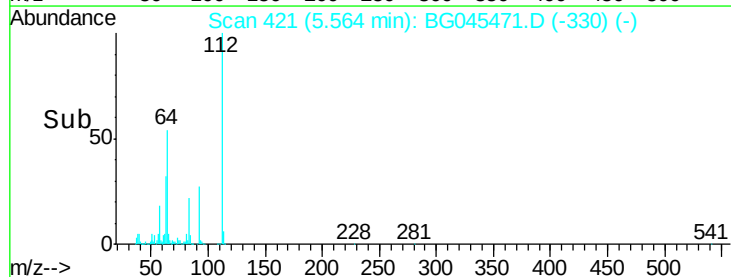
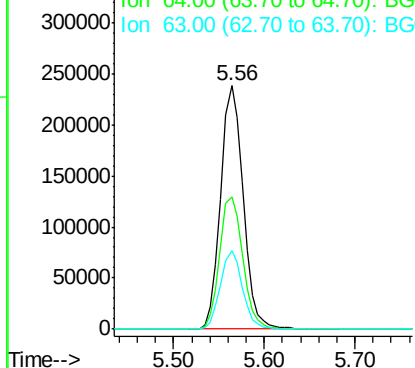
#5

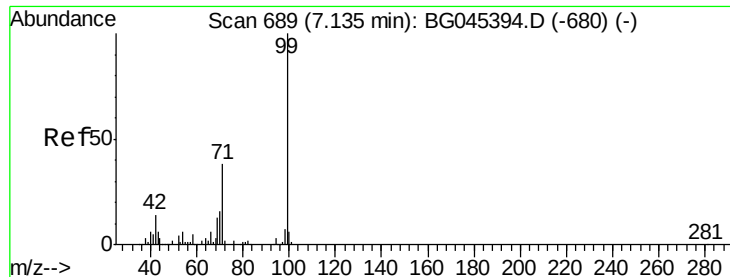
2-Fluorophenol
Concen: 89.347 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045471.D
Acq: 27 May 2020 00:21

Tgt Ion:112 Resp: 409985
Ion Ratio Lower Upper
112 100
64 54.4 48.6 72.8
63 32.4 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 94.810 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

Instrument :

BNA_G

ClientSampleId :

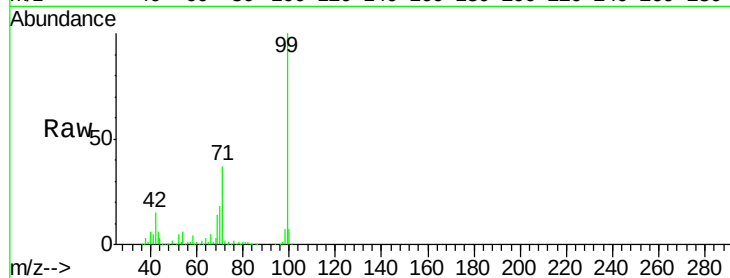
Tot Ion: 99 Resp: 619210

Ion Ratio Lower Upper

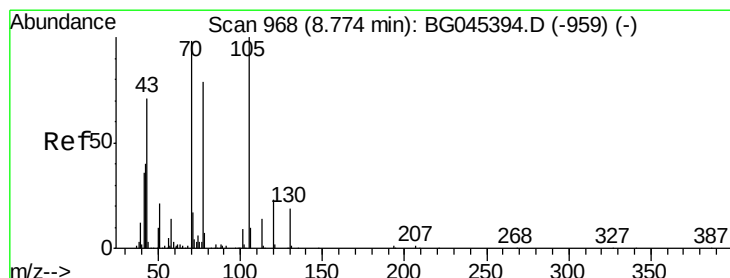
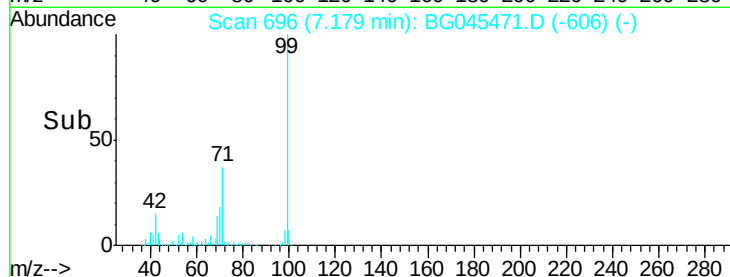
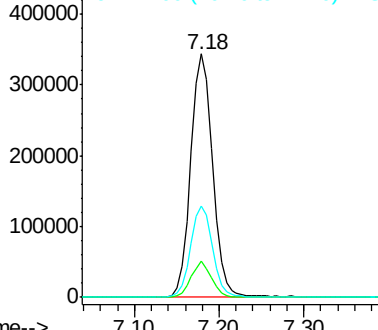
99 100

42 14.8 11.3 16.9

71 37.5 30.8 46.2



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: 12.714 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.36 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

Tgt Ion: 70 Resp: 57419

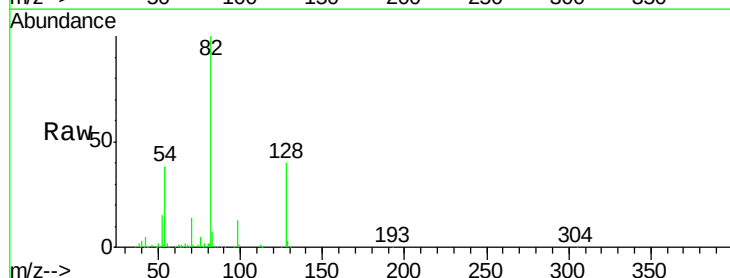
Ion Ratio Lower Upper

70 100

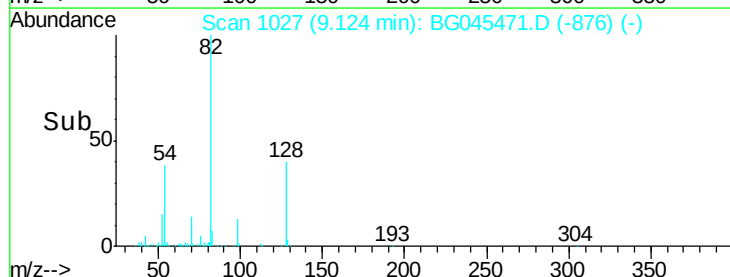
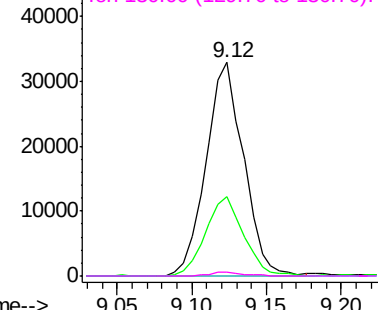
42 37.0 33.2 49.8

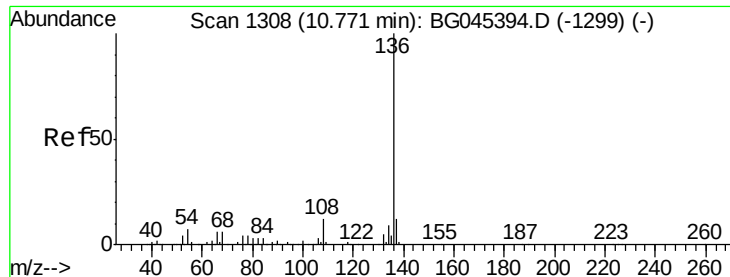
101 0.0 7.8 11.6#

130 1.6 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

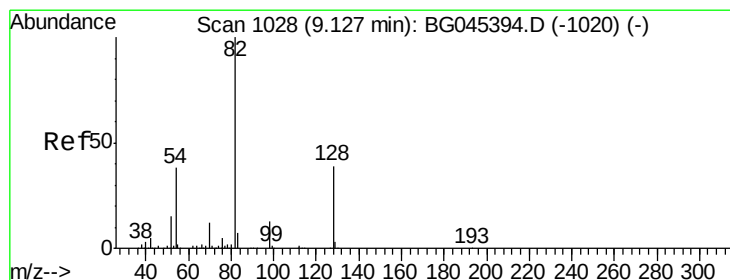
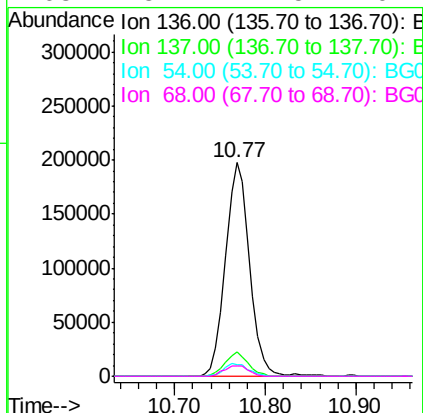
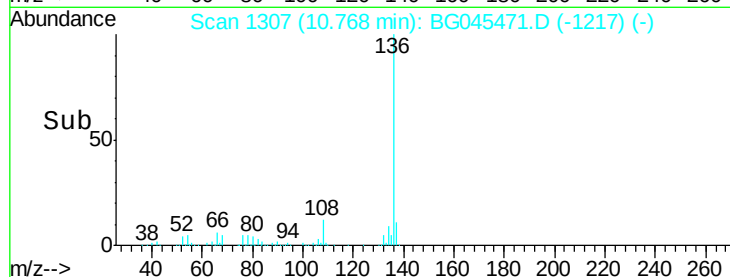
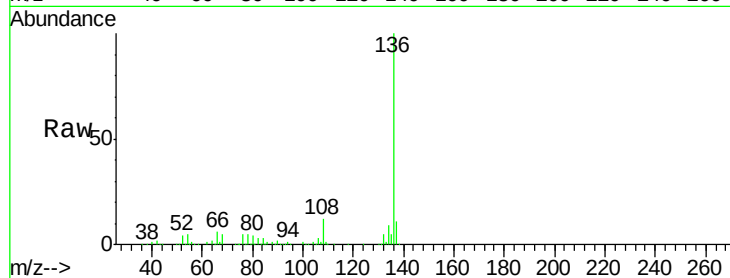




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG045471.D
Acq: 27 May 2020 00:21

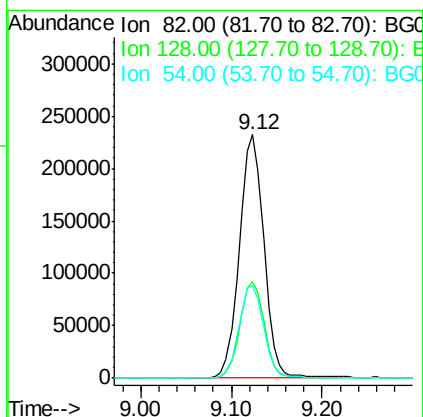
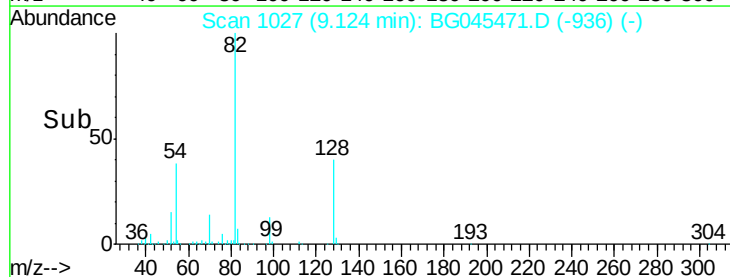
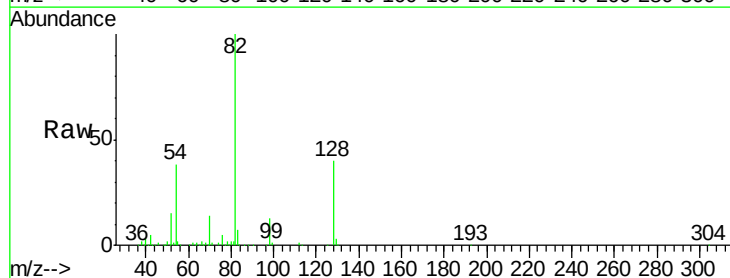
Instrument :
BNA_G
ClientSampleId :

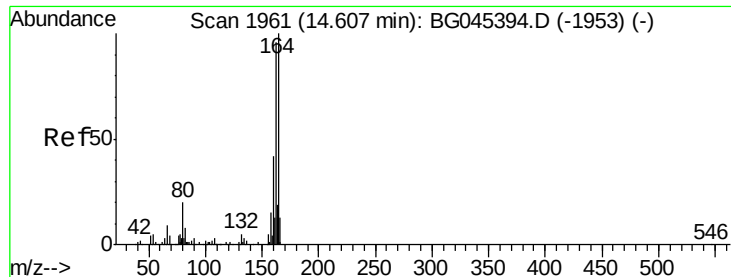
Tot Ion:136	Resp:	364078
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.4	14.2
54 5.5	5.8	8.6#
68 5.1	4.5	6.7



#23
Nitrobenzene-d5
Concen: 65.513 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG045471.D
Acq: 27 May 2020 00:21

Tgt	Ion: 82	Resp:	437398
Ion	Ratio	Lower	Upper
82	100		
128	39.6	30.9	46.3
54	37.8	30.3	45.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

Instrument :

BNA_G

ClientSampleId :

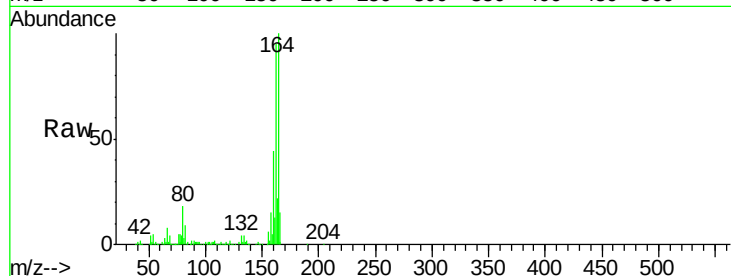
Tot Ion:164 Resp: 244449

Ion Ratio Lower Upper

164 100

162 94.7 76.9 115.3

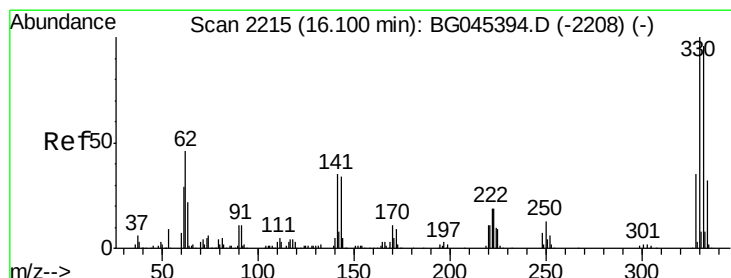
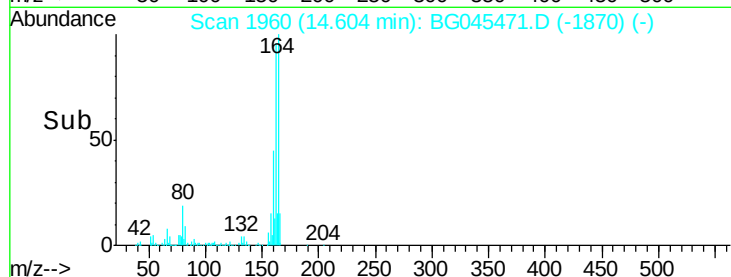
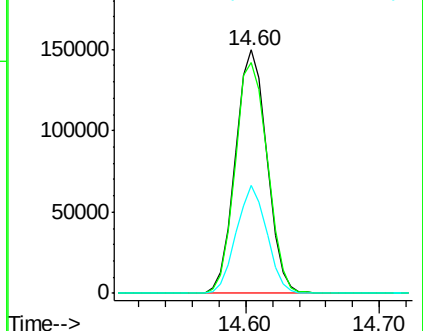
160 44.4 33.8 50.8



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: 91.939 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

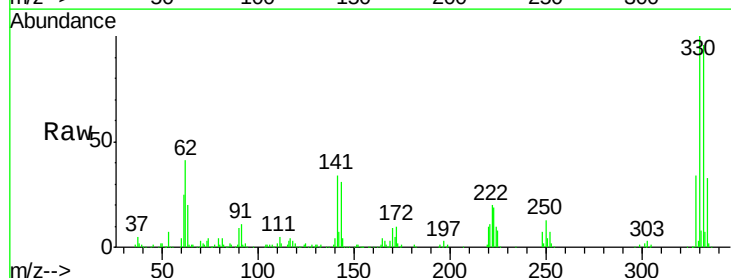
Tgt Ion:330 Resp: 287421

Ion Ratio Lower Upper

330 100

332 98.6 78.2 117.4

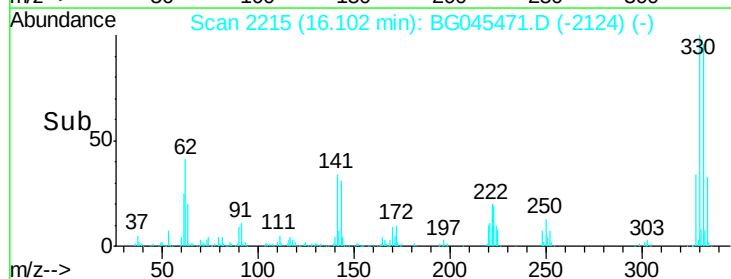
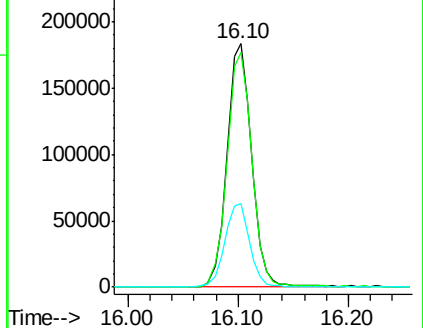
141 34.8 28.2 42.4

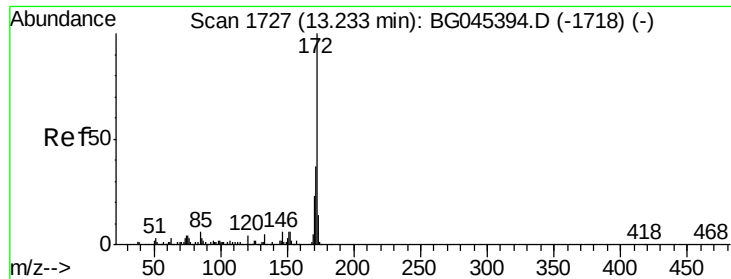


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

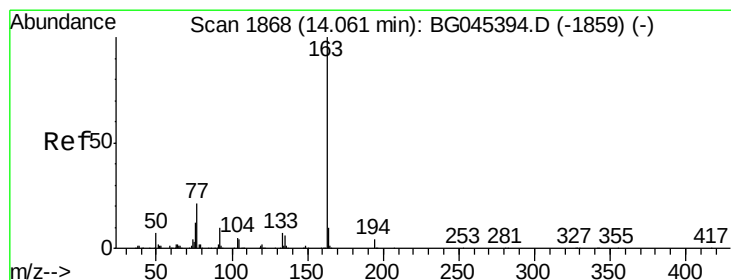
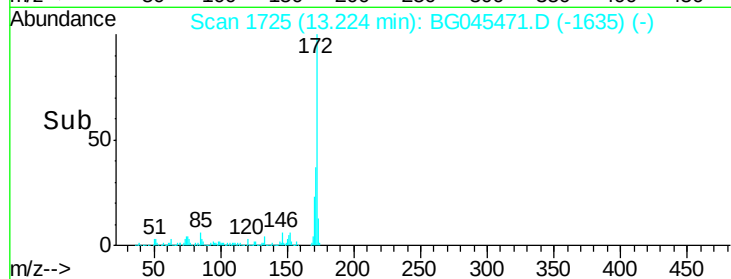
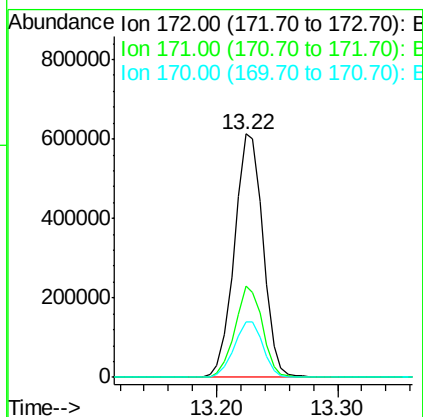
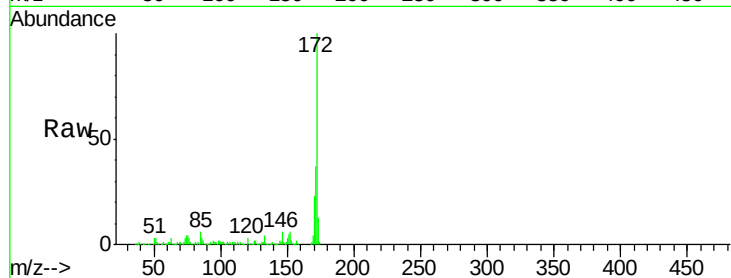




#45
2-Fluorobiphenyl
Concen: 70.169 ng
RT: 13.22 min Scan# 1725
Delta R.T. -0.00 min
Lab File: BG045471.D
Acq: 27 May 2020 00:21

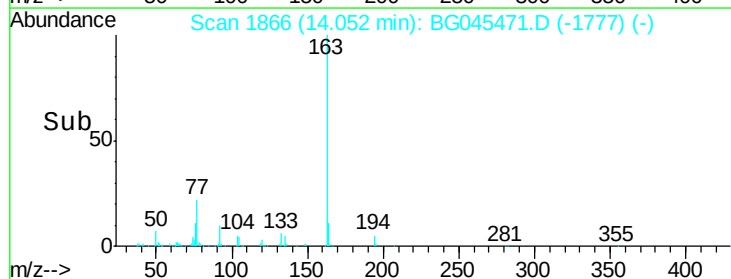
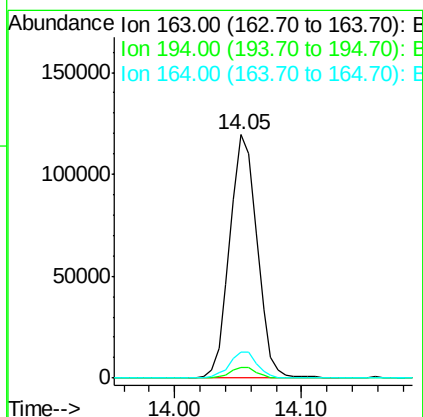
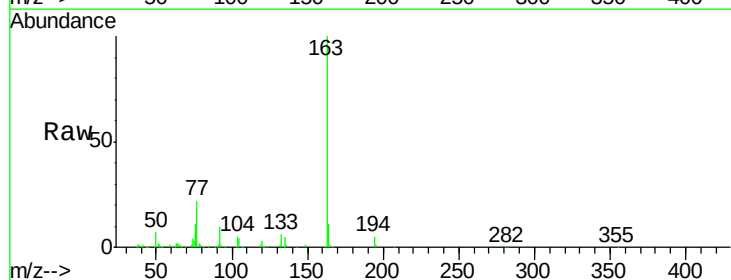
Instrument :
BNA_G
ClientSampleId :

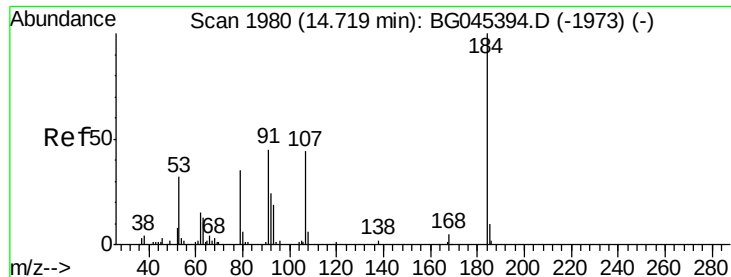
Tot Ion:172 Resp: 1011244
Ion Ratio Lower Upper
172 100
171 37.4 29.5 44.3
170 22.8 18.5 27.7



#50
Dimethylphthalate
Concen: 10.663 ng
RT: 14.05 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BG045471.D
Acq: 27 May 2020 00:21

Tgt Ion:163 Resp: 178814
Ion Ratio Lower Upper
163 100
194 4.6 3.2 4.8
164 10.9 8.3 12.5

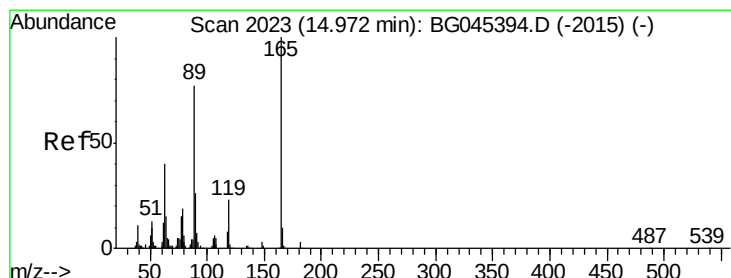
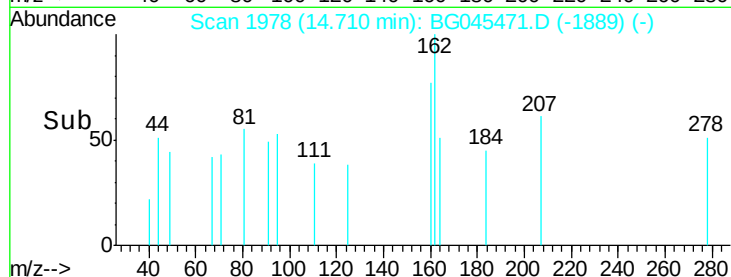
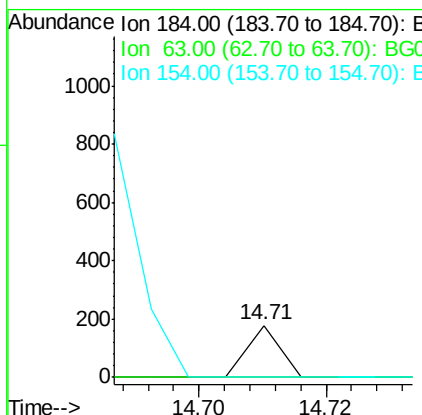
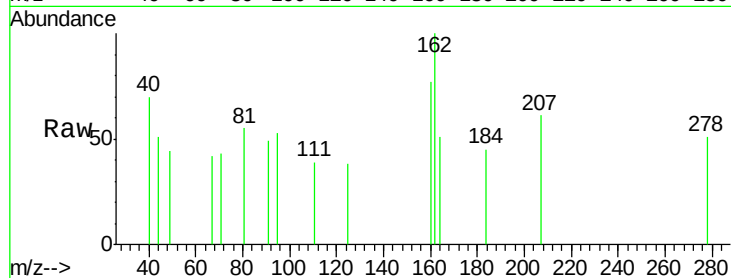




#54
 2,4-Dinitrophenol
 Concen: 5.483 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: BG045471.D
 Acq: 27 May 2020 00:21

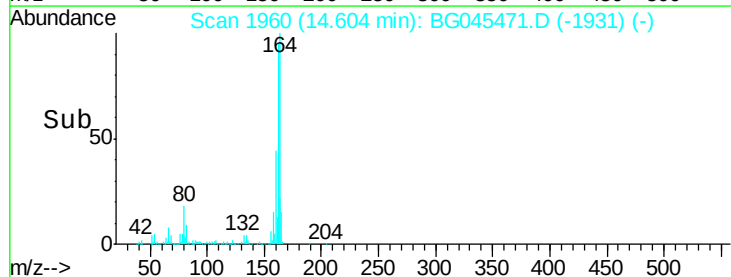
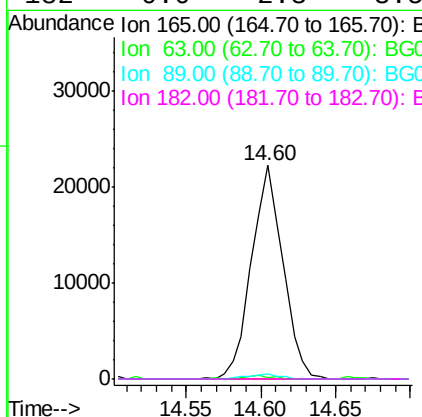
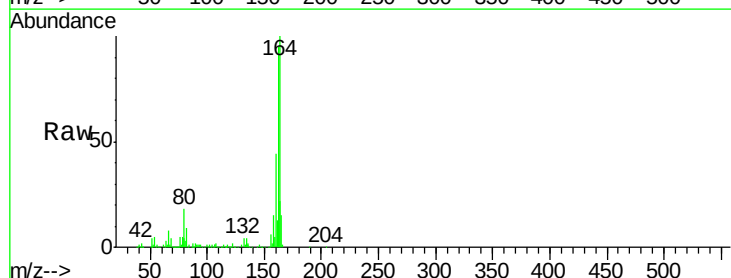
Instrument :
 BNA_G
 ClientSampleId :

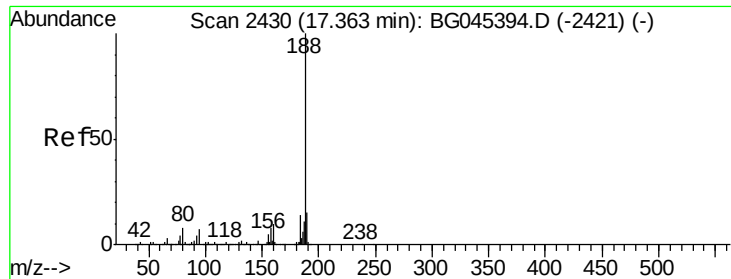
Tot Ion:184 Resp: 63
 Ion Ratio Lower Upper
 184 100
 63 0.0 47.8 71.6#
 154 0.0 58.3 87.5#



#57
 2,4-Dinitrotoluene
 Concen: 5.889 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.36 min
 Lab File: BG045471.D
 Acq: 27 May 2020 00:21

Tgt Ion:165 Resp: 32271
 Ion Ratio Lower Upper
 165 100
 63 0.9 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: BG045471.D

Acq: 27 May 2020 00:21

Instrument :

BNA_G

ClientSampleId :

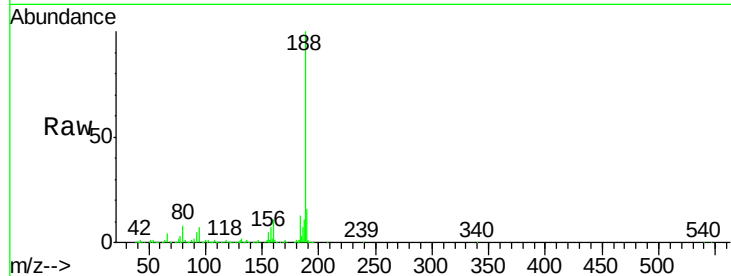
Tot Ion:188 Resp: 517938

Ion Ratio Lower Upper

188 100

94 7.3 5.5 8.3

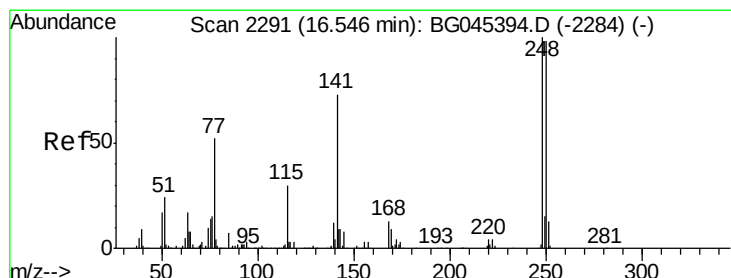
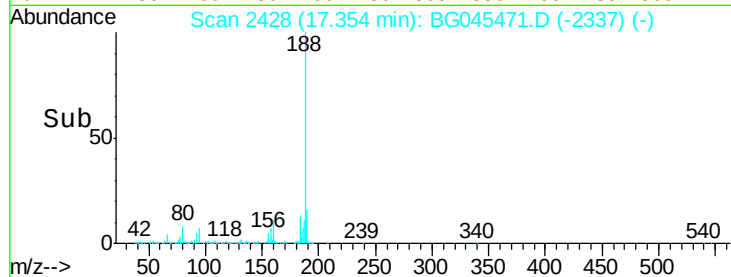
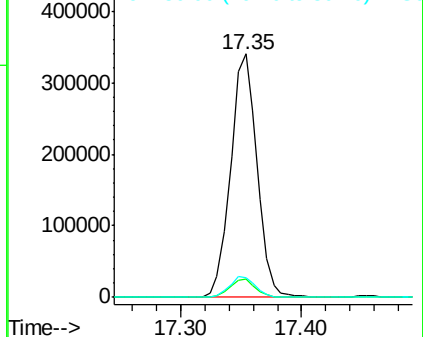
80 8.2 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 3.416 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

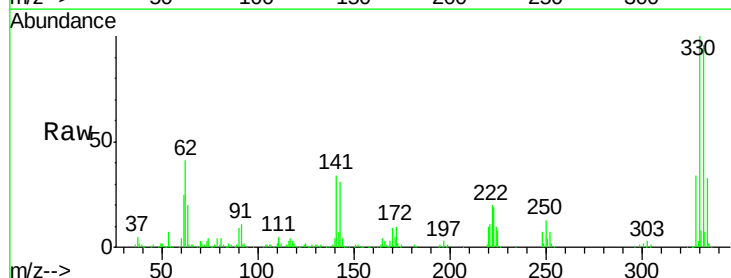
Tgt Ion:248 Resp: 19156

Ion Ratio Lower Upper

248 100

250 198.7 78.6 117.8#

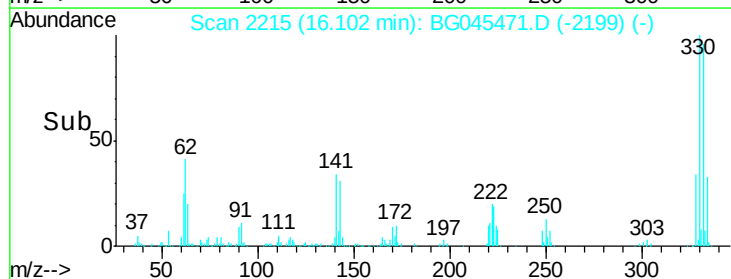
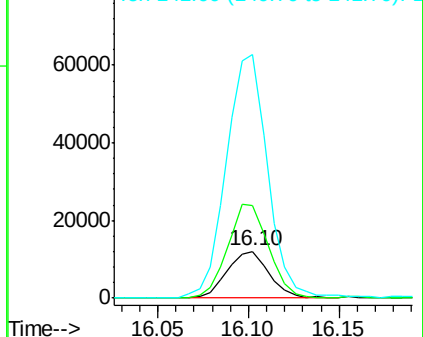
141 520.7 58.2 87.2#

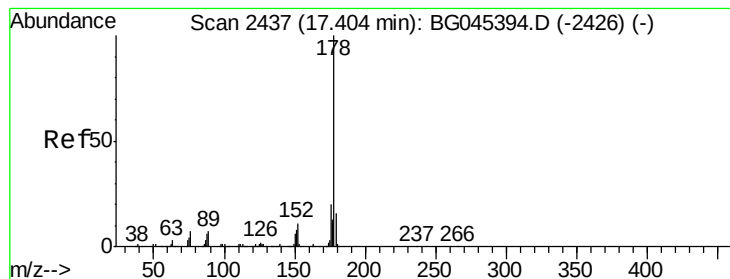


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.794 ng

RT: 17.39 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

Instrument :

BNA_G

ClientSampleId :

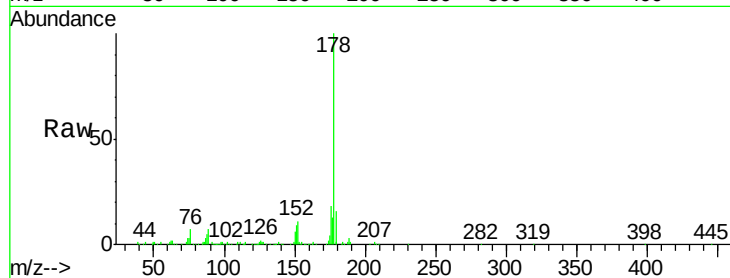
Tot Ion:178 Resp: 108391

Ion Ratio Lower Upper

178 100

176 18.0 16.2 24.4

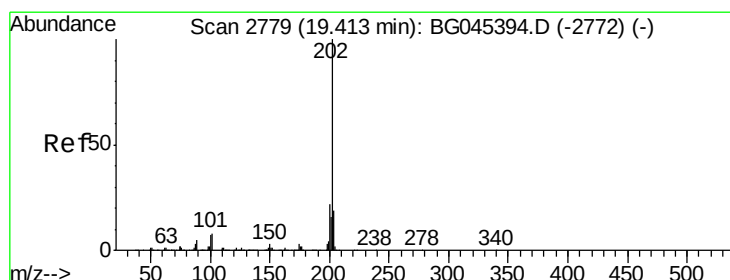
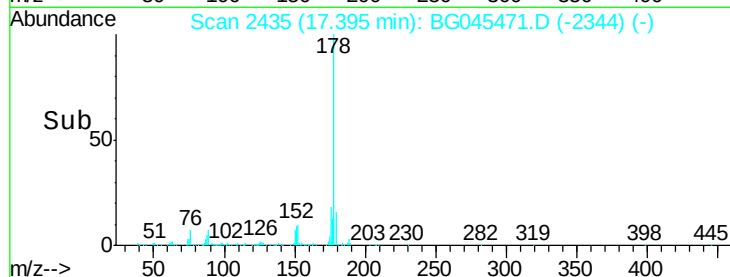
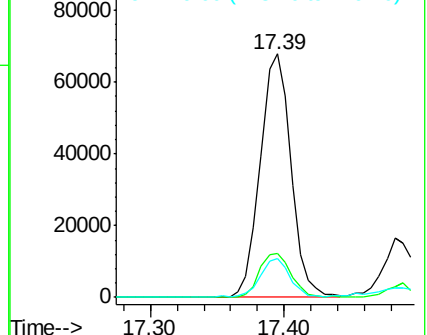
179 16.1 13.1 19.7



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



#75

Fluoranthene

Concen: 8.573 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

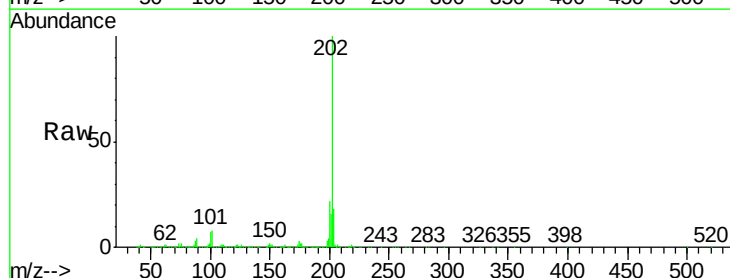
Tgt Ion:202 Resp: 246559

Ion Ratio Lower Upper

202 100

101 7.6 0.0 28.3

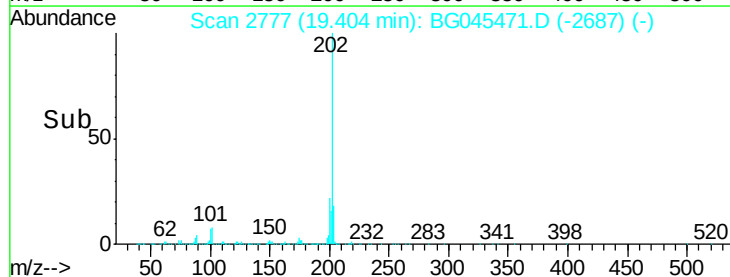
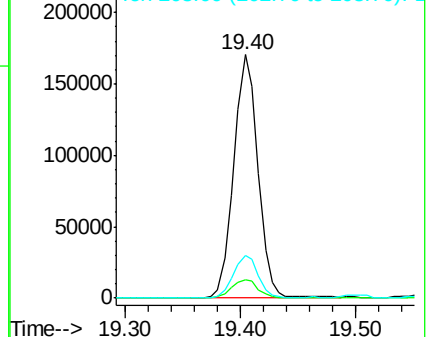
203 17.5 0.0 39.0

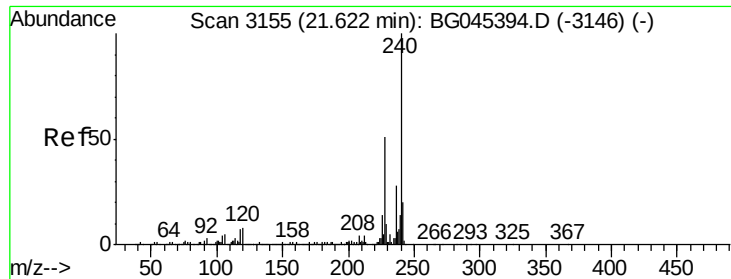


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.61 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

Instrument :

BNA_G

ClientSampleId :

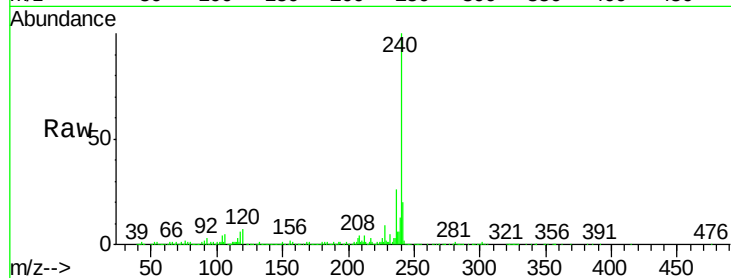
Tot Ion:240 Resp: 465281

Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

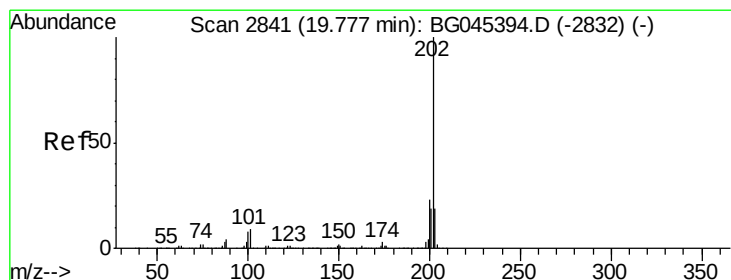
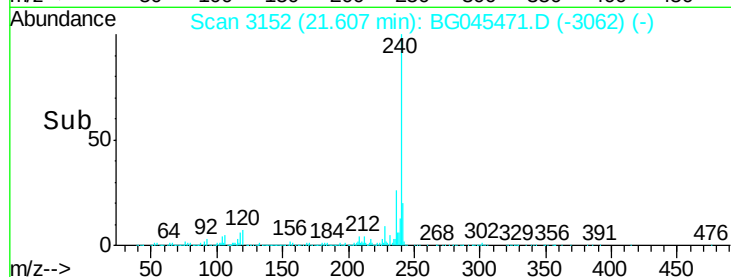
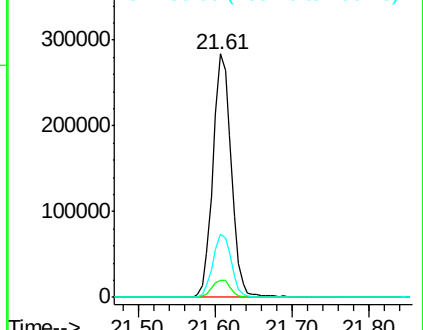
236 25.8 22.3 33.5



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: 8.275 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

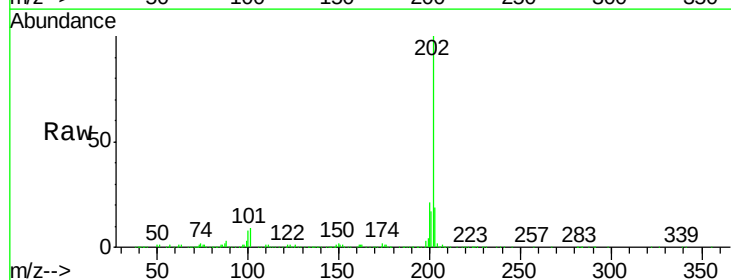
Tgt Ion:202 Resp: 219478

Ion Ratio Lower Upper

202 100

200 21.3 18.2 27.2

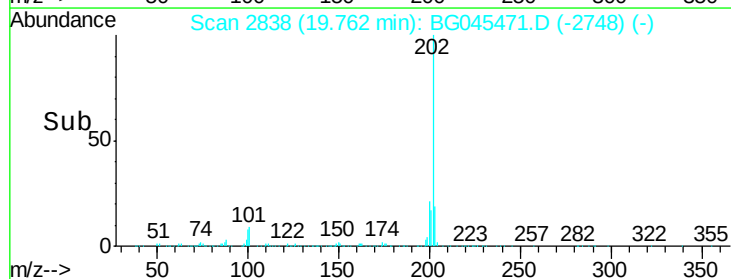
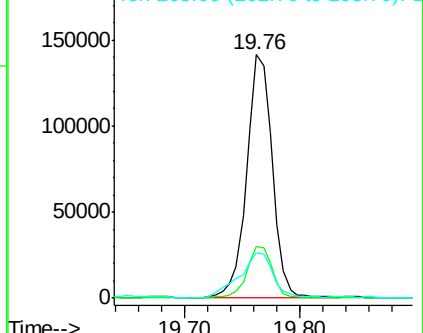
203 18.8 15.1 22.7

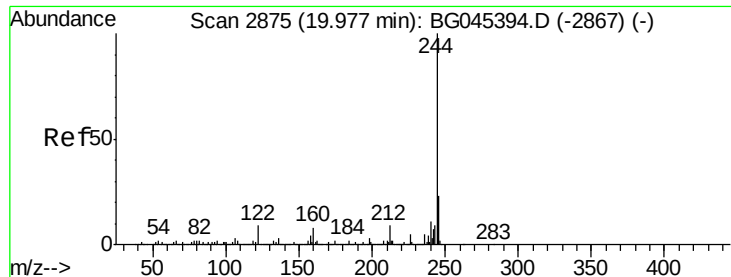


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 70.377 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

Instrument :

BNA_G

ClientSampleId :

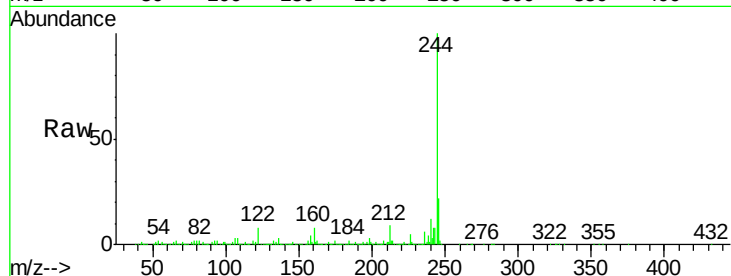
Tot Ion:244 Resp: 1403992

Ion Ratio Lower Upper

244 100

212 8.7 7.4 11.0

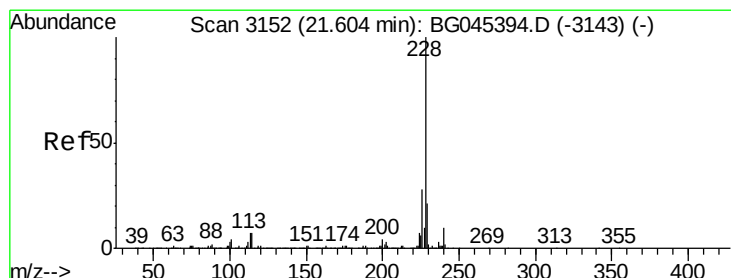
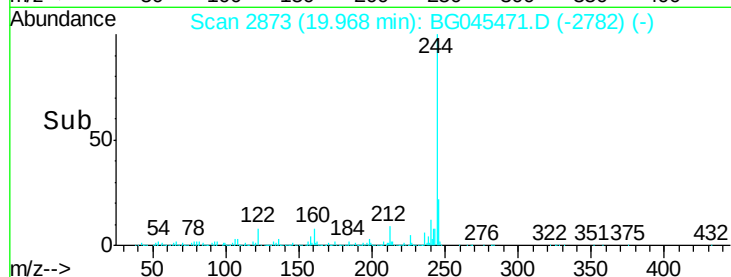
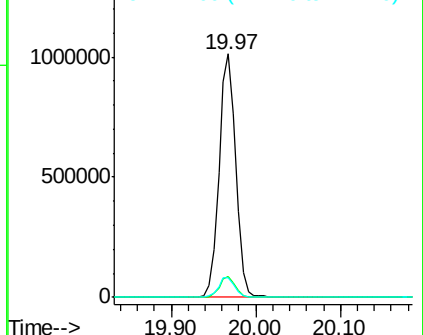
122 8.1 6.8 10.2



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: 4.890 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

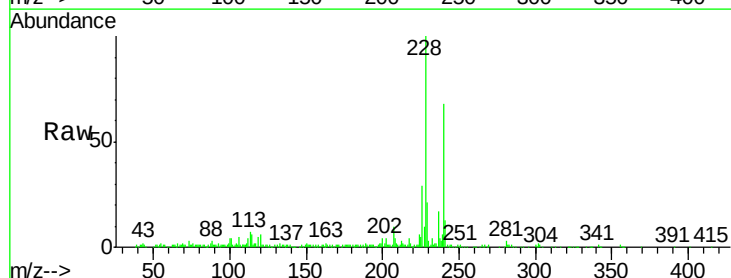
Tgt Ion:228 Resp: 126750

Ion Ratio Lower Upper

228 100

226 28.9 22.7 34.1

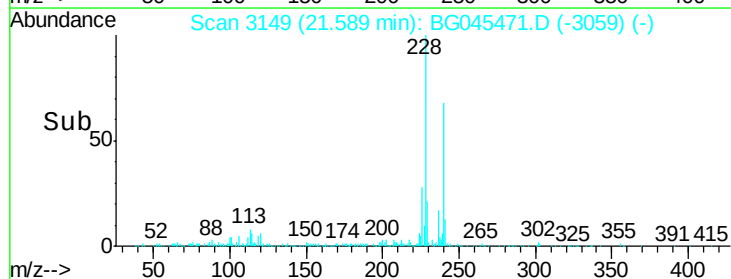
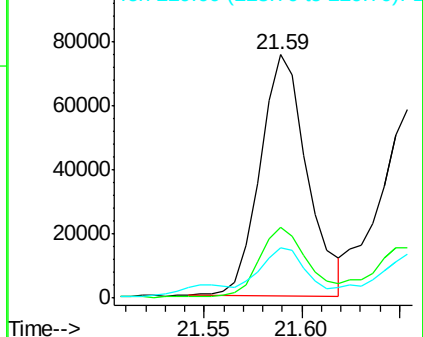
229 20.6 16.7 25.1

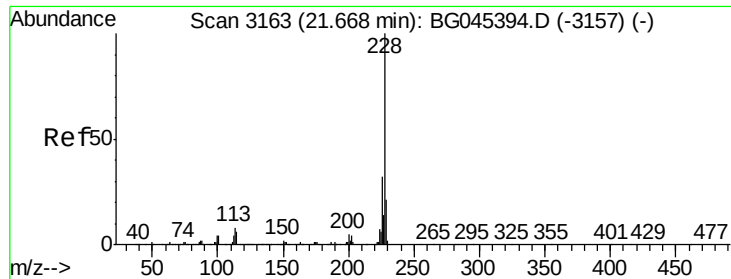


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.557 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

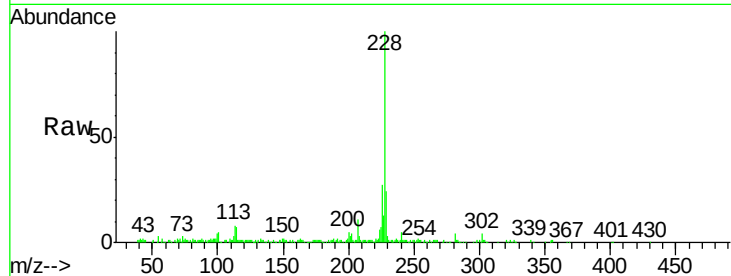
Instrument :

BNA_G

ClientSampled :

Tot Ion:228 Resp: 113570

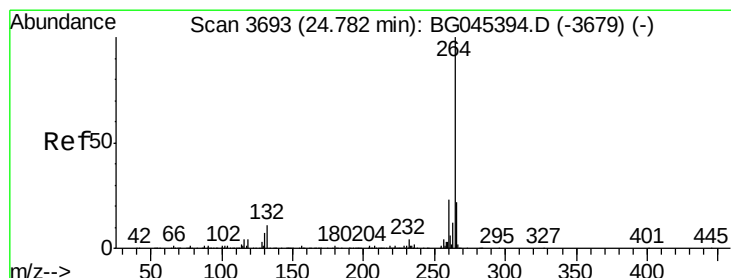
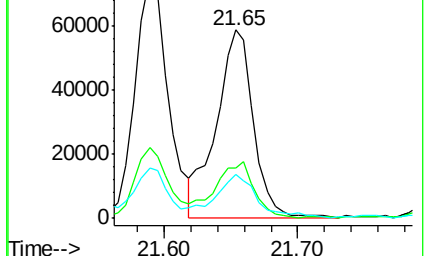
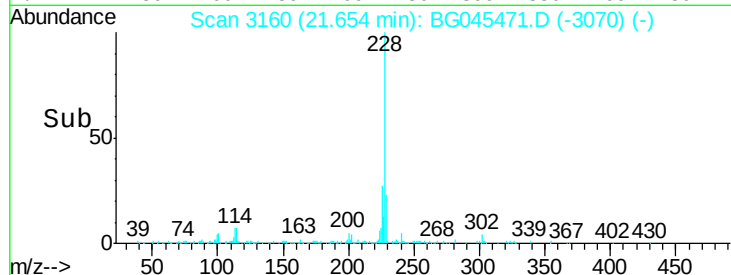
Ion	Ratio	Lower	Upper
228	100		
226	27.0	25.2	37.8
229	23.5	16.7	25.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3689

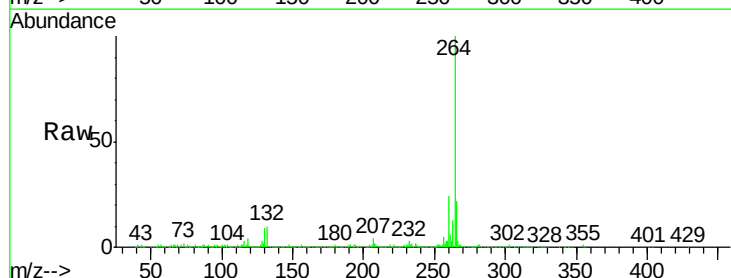
Delta R.T. 0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

Tgt Ion:264 Resp: 507299

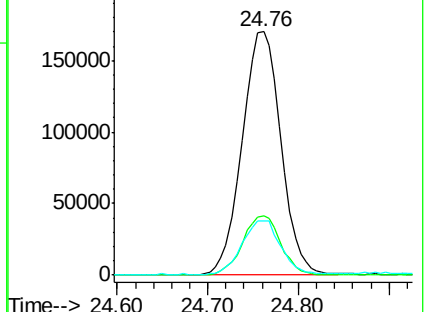
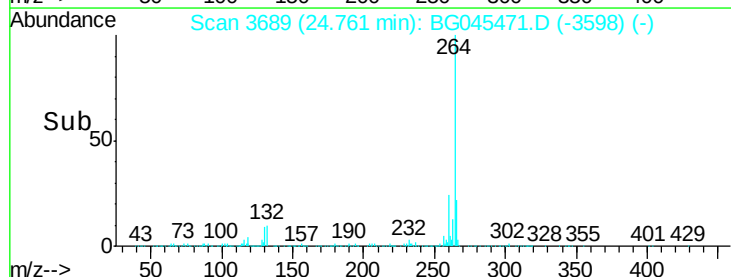
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	22.4	17.6	26.4

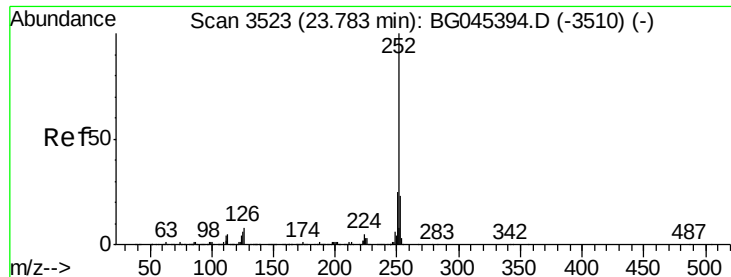


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.804 ng

RT: 23.77 min Scan# 3520

Delta R.T. 0.00 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

Instrument :

BNA_G

ClientSampleId :

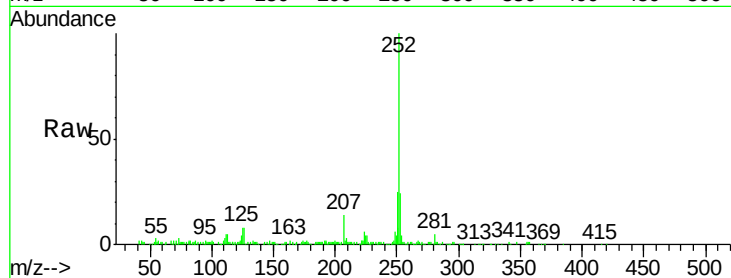
Tot Ion:252 Resp: 157901

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

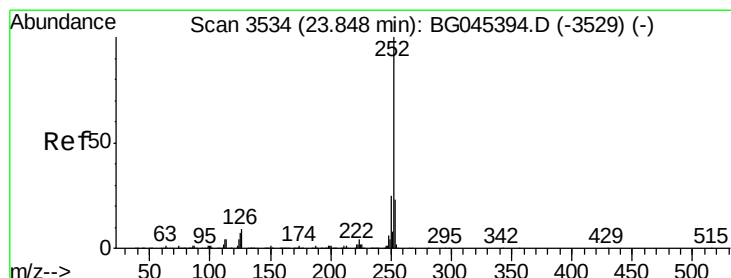
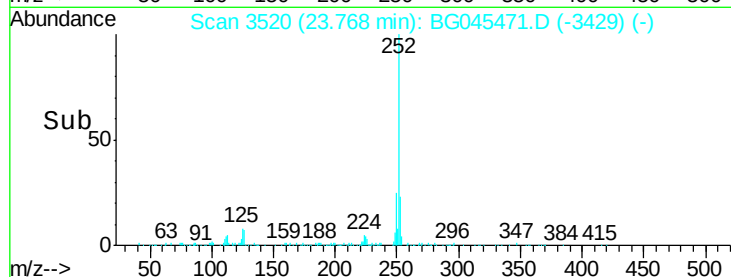
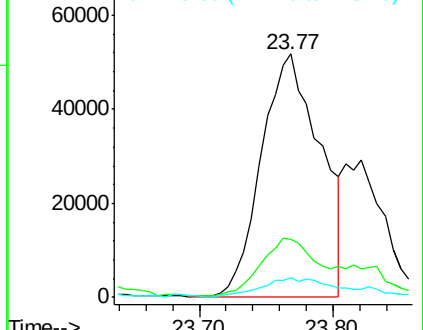
125 7.9 5.0 7.6#



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



#89

Benzo(k)fluoranthene

Concen: 6.178 ng

RT: 23.77 min Scan# 3520

Delta R.T. -0.07 min

Lab File: BG045471.D

Acq: 27 May 2020 00:21

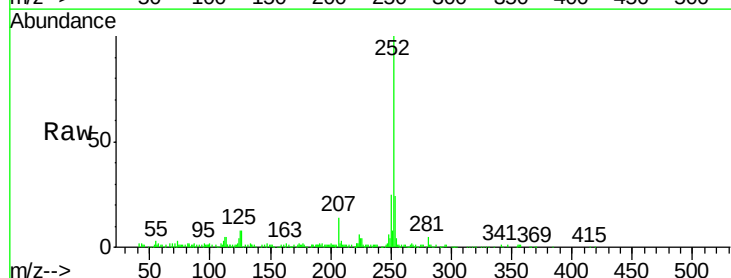
Tgt Ion:252 Resp: 157901

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

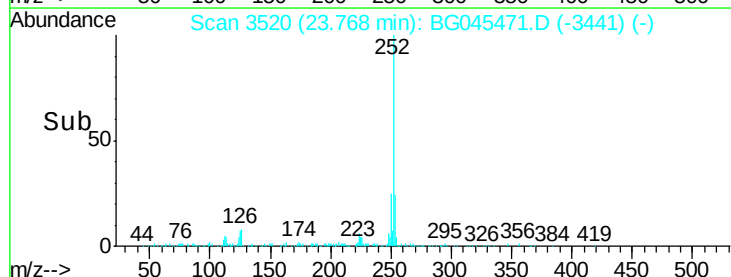
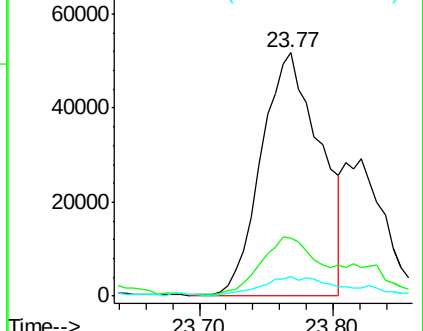
125 7.9 5.7 8.5

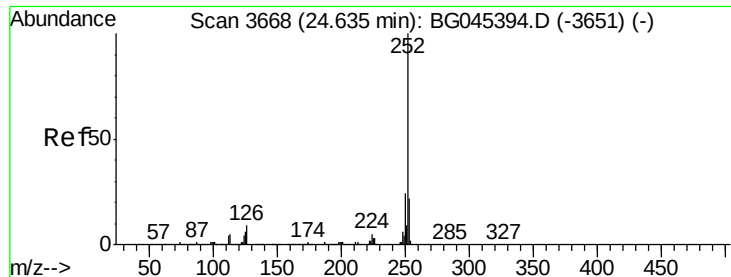


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

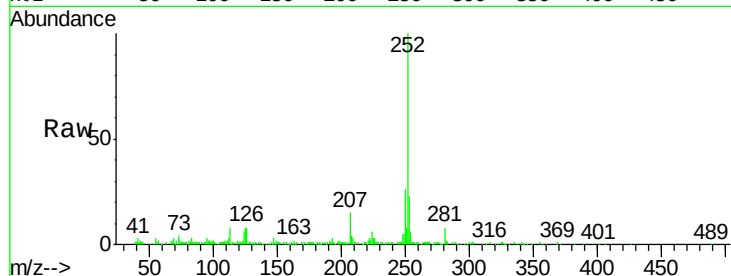




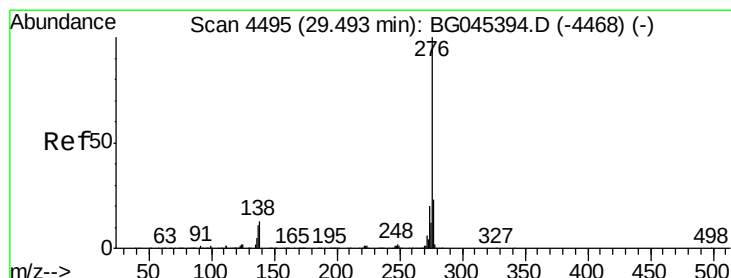
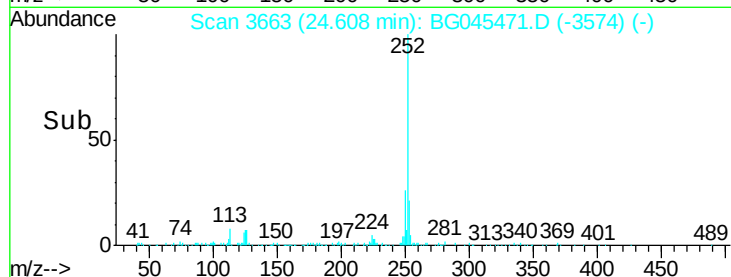
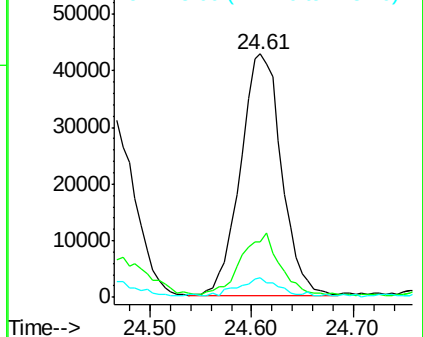
#90
Benzo(a)pyrene
Concen: 4.698 ng
RT: 24.61 min Scan# 3663
Delta R.T. -0.01 min
Lab File: BG045471.D
Acq: 27 May 2020 00:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 119039
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 8.1 5.0 7.6#

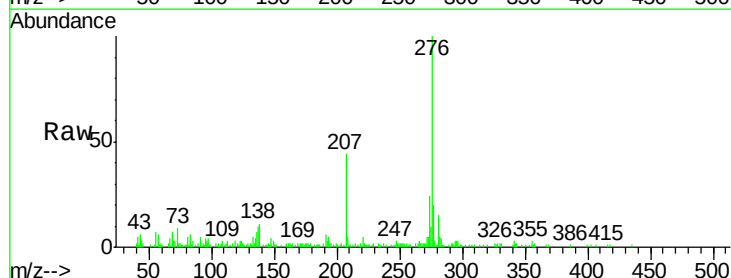


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.317 ng
RT: 29.43 min Scan# 4484
Delta R.T. -0.03 min
Lab File: BG045471.D
Acq: 27 May 2020 00:21

Tgt Ion:276 Resp: 84460
Ion Ratio Lower Upper
276 100
277 20.0 18.1 27.1
138 11.2 10.2 15.4



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

