

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052620\
 Data File : BG045469.D
 Acq On : 26 May 2020 22:59
 Operator : CG/JU
 Sample : L2744-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

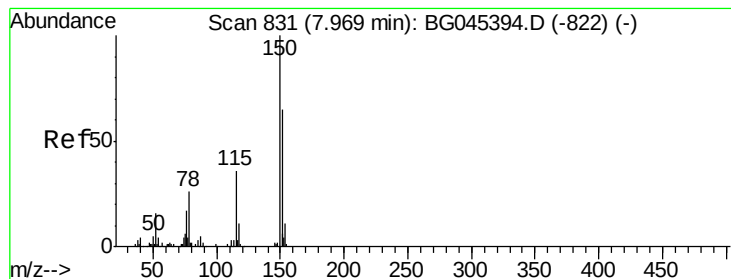
Quant Time: May 27 00:59:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 14:16:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	91571	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	368544	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	247392	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	529790	20.00	ng	0.00
76) Chrysene-d12	21.61	240	484261	20.00	ng	0.00
87) Perylene-d12	24.76	264	530904	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	419448	89.52	ng	0.00
7) Phenol-d6	7.18	99	648909	97.30	ng	0.00
23) Nitrobenzene-d5	9.12	82	468614	69.34	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	309272	97.75	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1077018	73.84	ng	0.00
79) Terphenyl-d14	19.97	244	1543516	74.34	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.12	70	64054	13.889	ng	# 79
32) Benzoic acid	10.18	122	70	10.040	ng	# 1
50) Dimethylphthalate	14.06	163	139508	8.220	ng	98
54) 2,4-Dinitrophenol	14.49	184	57	5.480	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	32278	5.820	ng	# 24
67) 4-Bromophenyl-phenylether	16.10	248	21879	3.814	ng	# 1
71) Phenanthrene	17.39	178	111394	4.816	ng	98
75) Fluoranthene	19.40	202	209626	7.126	ng	96
77) Benzidine	19.97	184	29162	2.144	ng	# 91
78) Pyrene	19.76	202	179904	6.517	ng	98
81) Benzo(a)anthracene	21.59	228	99597	3.692	ng	98
83) Chrysene	21.65	228	91826	3.540	ng	94
86) Indeno(1,2,3-cd)pyrene	28.33	276	71248	2.100	ng	# 87
88) Benzo(b)fluoranthene	23.77	252	124562	4.375	ng	# 97
89) Benzo(k)fluoranthene	23.77	252	124562	4.657	ng	# 97
90) Benzo(a)pyrene	24.61	252	87974	3.318	ng	# 96
92) Benzo(a,h,i)perylene	29.43	276	61906	2.323	ng	96

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

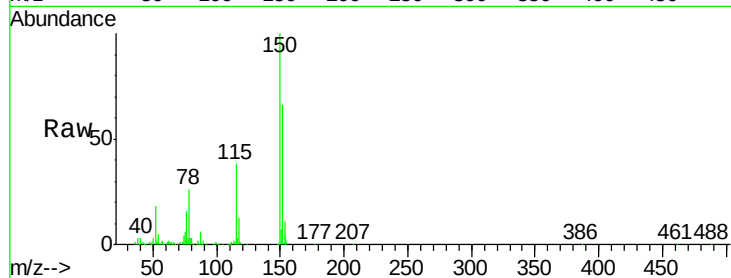


#1

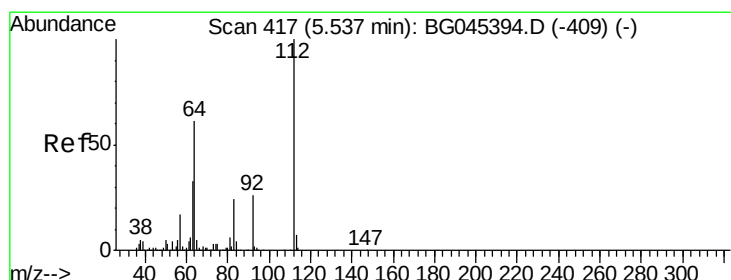
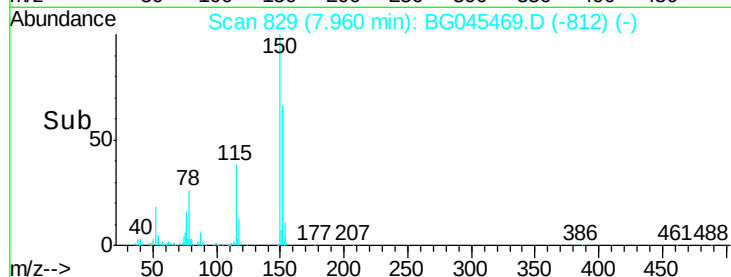
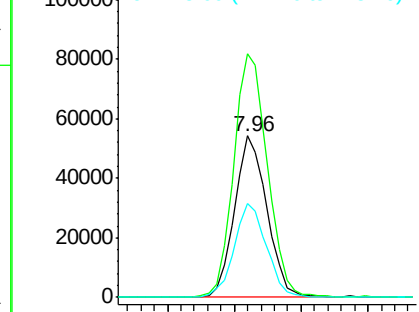
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 91571
Ion Ratio Lower Upper
152 100
150 150.6 122.4 183.6
115 58.0 44.2 66.4



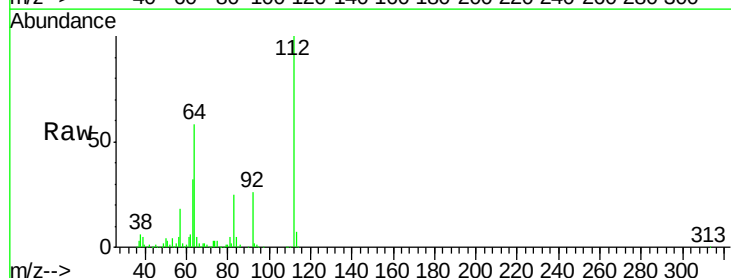
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



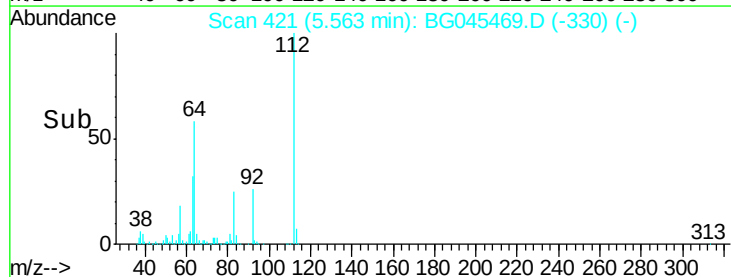
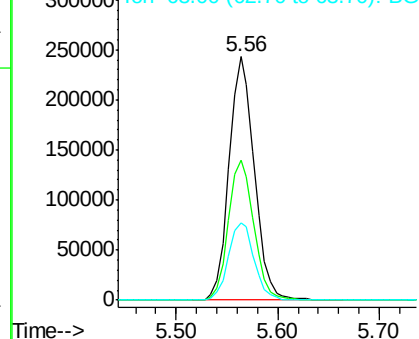
#5

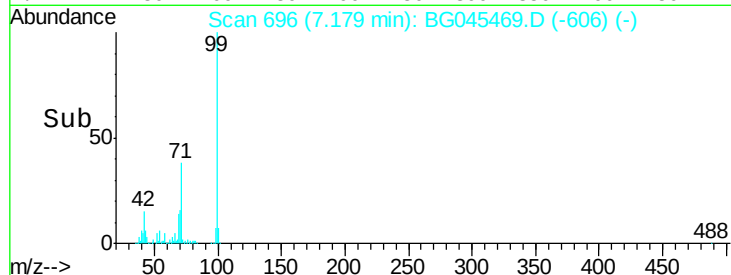
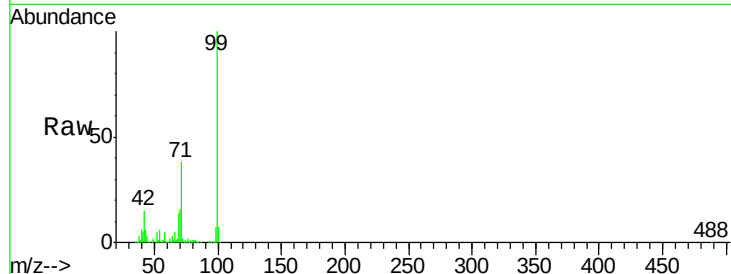
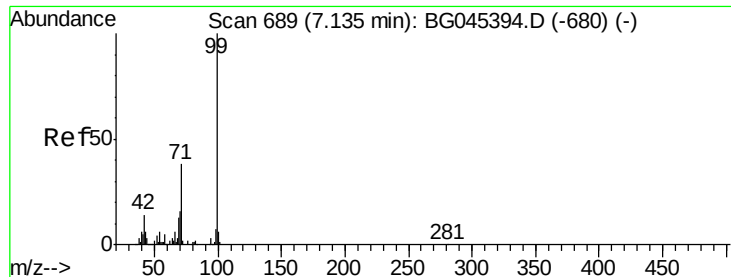
2-Fluorophenol
Concen: 89.518 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

Tgt Ion:112 Resp: 419448
Ion Ratio Lower Upper
112 100
64 57.6 48.6 72.8
63 31.9 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: 97.302 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

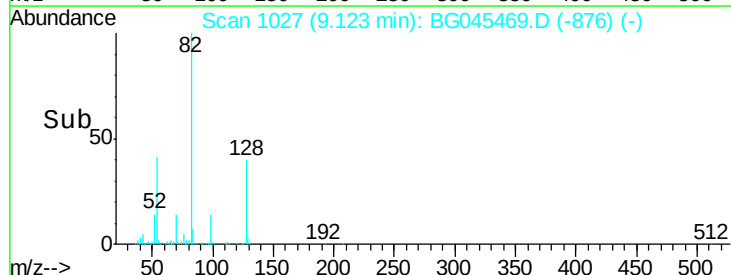
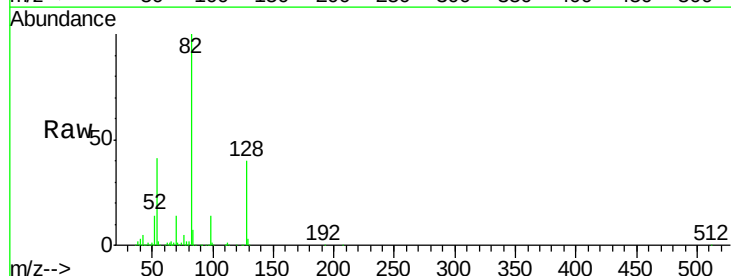
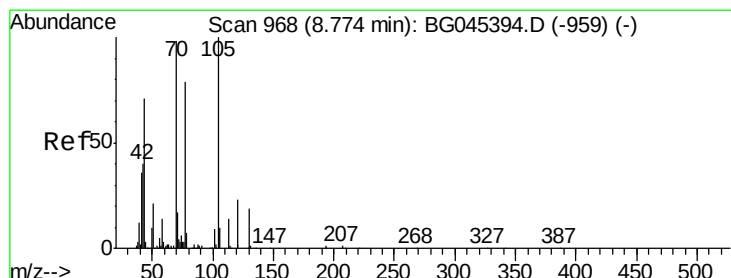
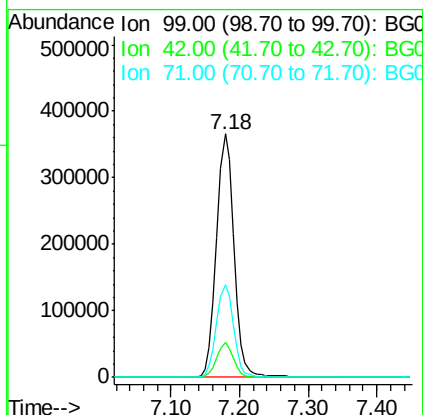
Tot Ion: 99 Resp: 648909

Ion Ratio Lower Upper

99 100

42 14.5 11.3 16.9

71 37.9 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.889 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.35 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Tgt Ion: 70 Resp: 64054

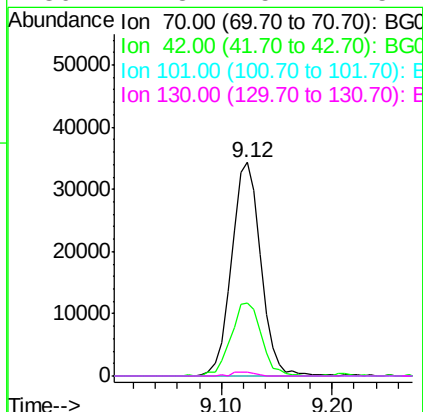
Ion Ratio Lower Upper

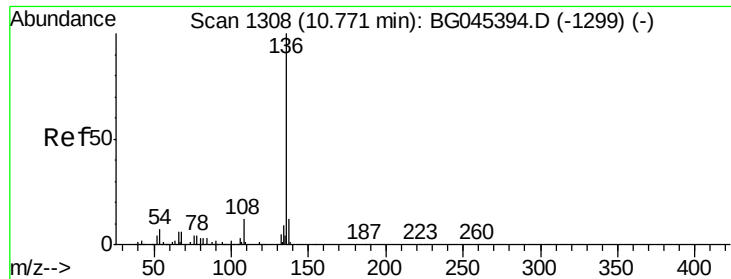
70 100

42 34.5 33.2 49.8

101 0.0 7.8 11.6#

130 1.8 15.4 23.2#

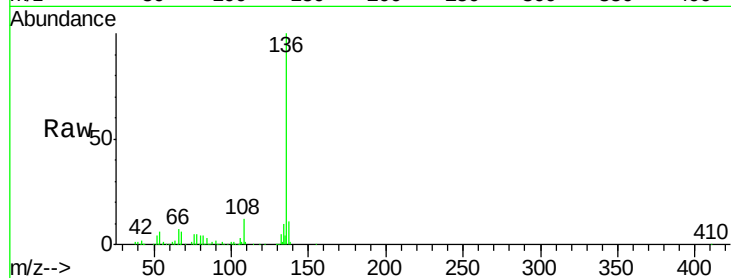




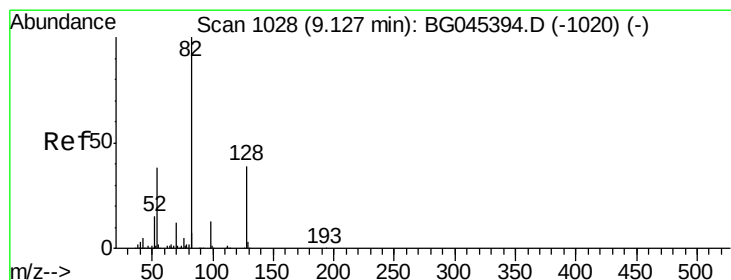
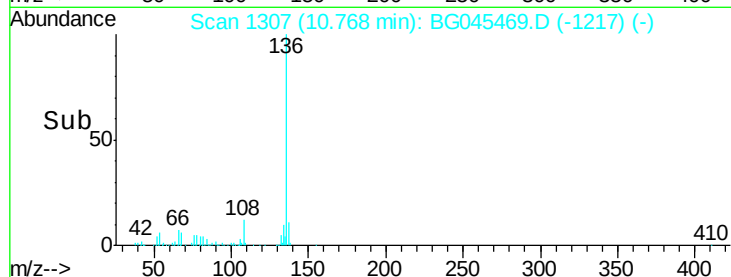
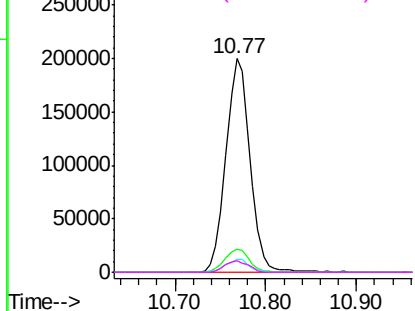
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	368544	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	9.4	14.2	
54 5.9	5.8	8.6	
68 5.5	4.5	6.7	

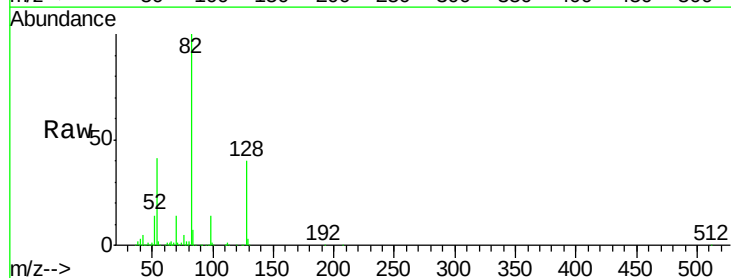


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

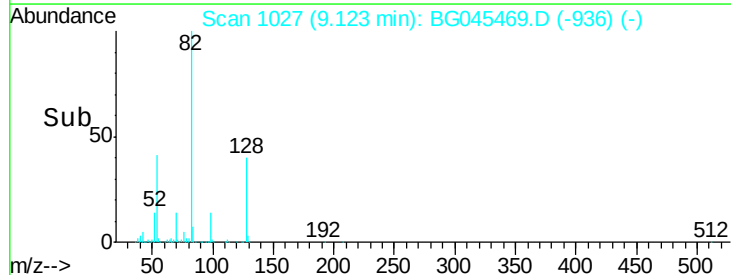
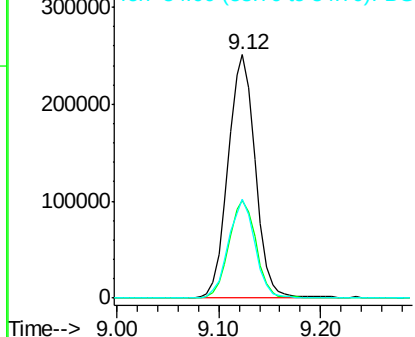


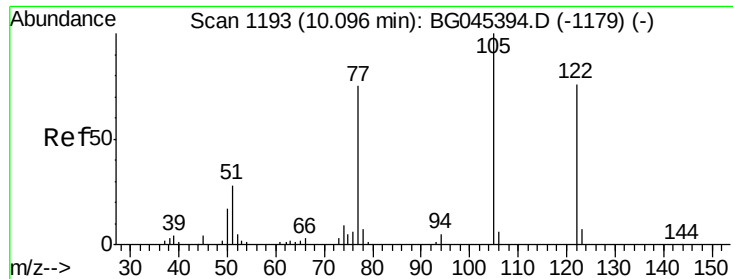
#23
Nitrobenzene-d5
Concen: 69.338 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

Tgt Ion: 82	Resp: 468614
Ion Ratio	Lower Upper
82 100	
128 40.2	30.9 46.3
54 40.9	30.3 45.5



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





#32

Benzoic acid

Concen: 10.040 ng

RT: 10.18 min Scan# 1207

Delta R.T. 0.03 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampled :

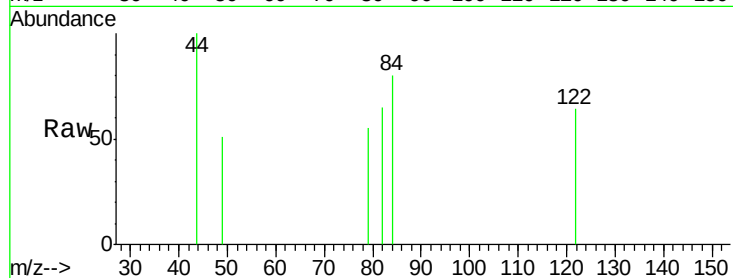
Tot Ion:122 Resp: 70

Ion Ratio Lower Upper

122 100

105 0.0 107.9 147.9#

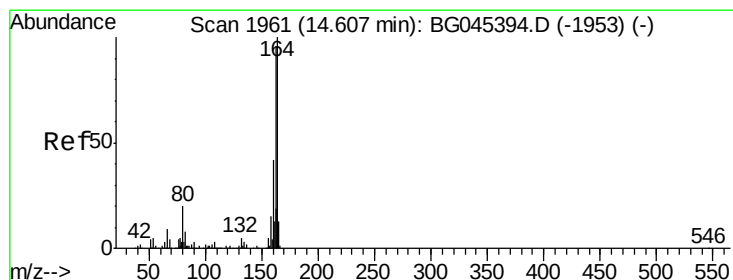
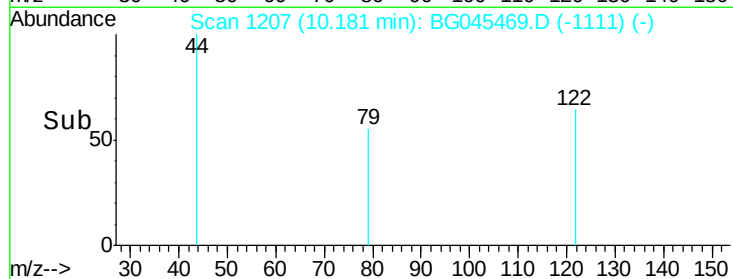
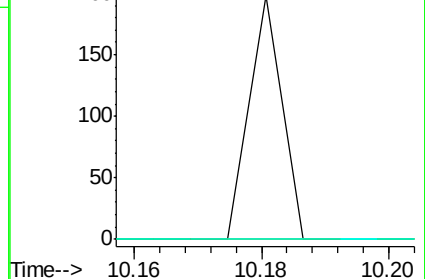
77 0.0 78.9 118.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

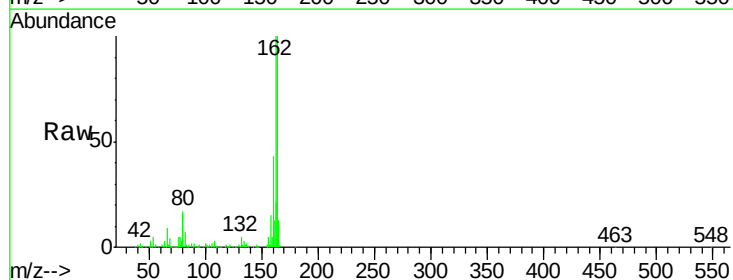
Tgt Ion:164 Resp: 247392

Ion Ratio Lower Upper

164 100

162 100.2 76.9 115.3

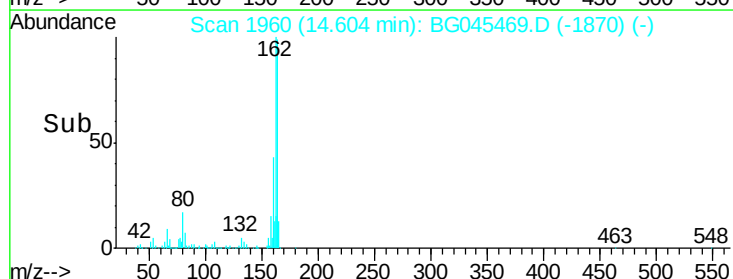
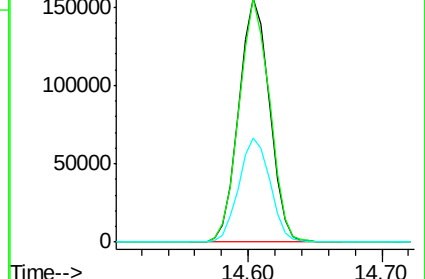
160 42.8 33.8 50.8

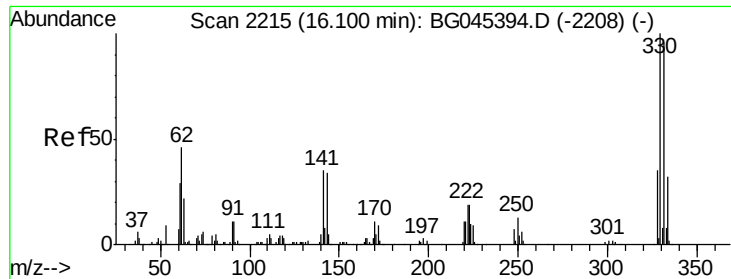


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 97.751 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampled :

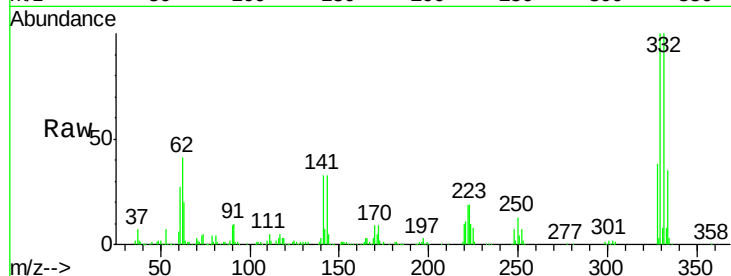
Tot Ion:330 Resp: 309272

Ion Ratio Lower Upper

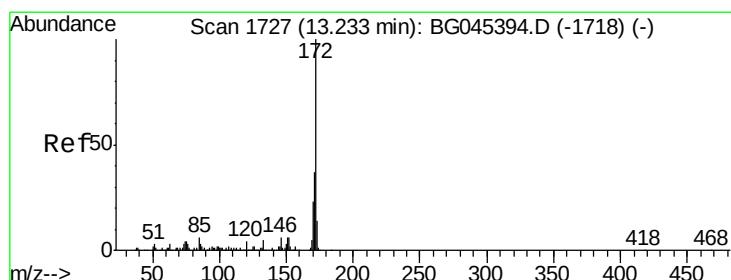
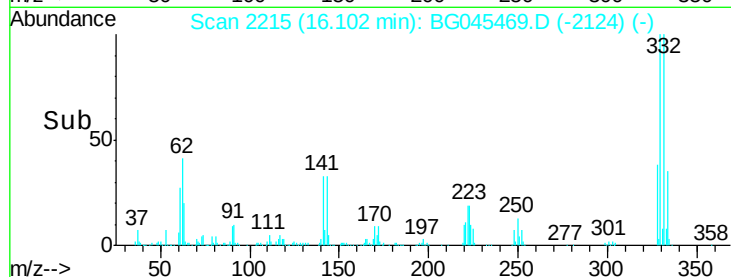
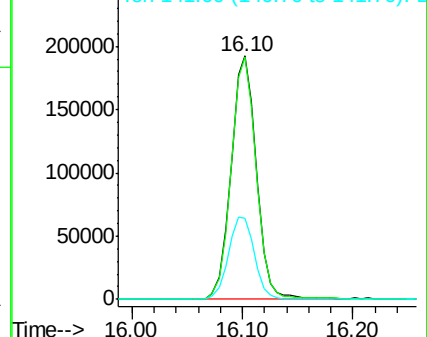
330 100

332 98.7 78.2 117.4

141 34.5 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: 73.844 ng

RT: 13.23 min Scan# 1726

Delta R.T. 0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

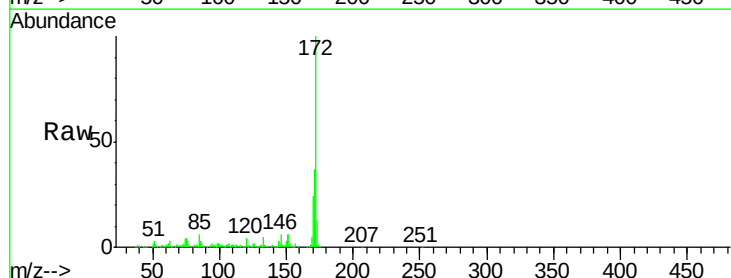
Tgt Ion:172 Resp: 1077018

Ion Ratio Lower Upper

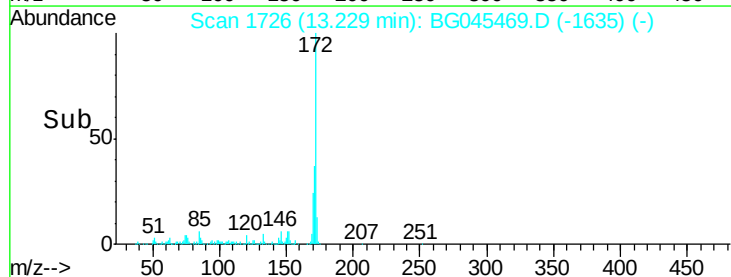
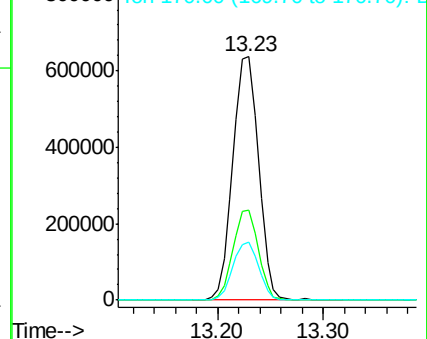
172 100

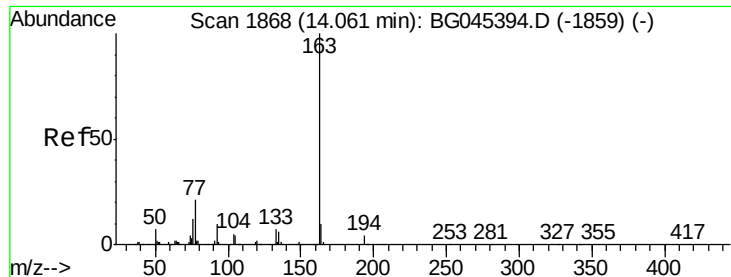
171 36.9 29.5 44.3

170 23.9 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: 8.220 ng

RT: 14.06 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

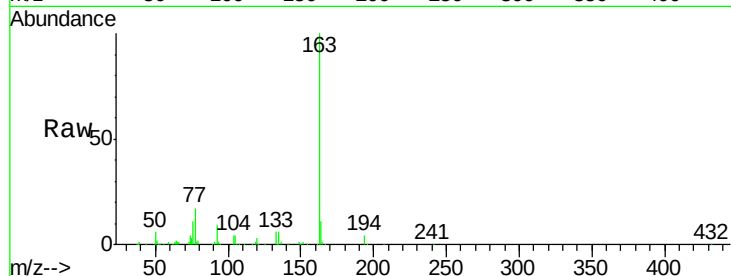
Tot Ion:163 Resp: 139508

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

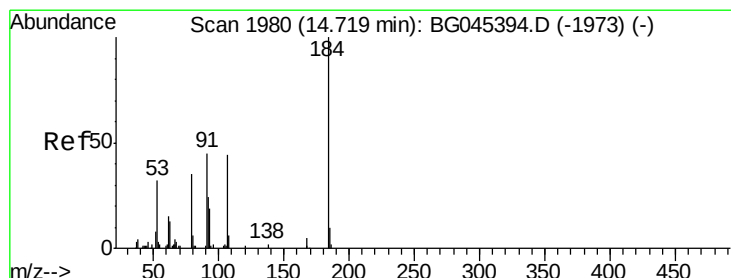
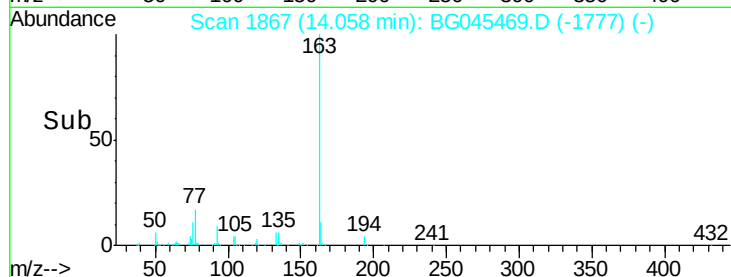
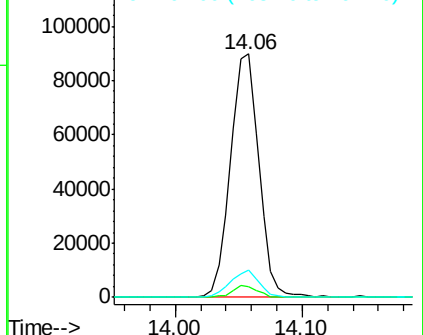
164 11.2 8.3 12.5



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: 5.480 ng

RT: 14.49 min Scan# 1940

Delta R.T. -0.23 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

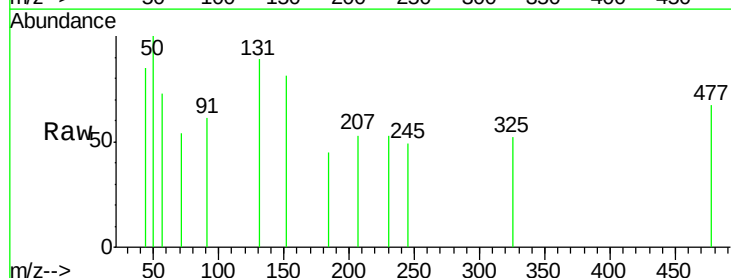
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

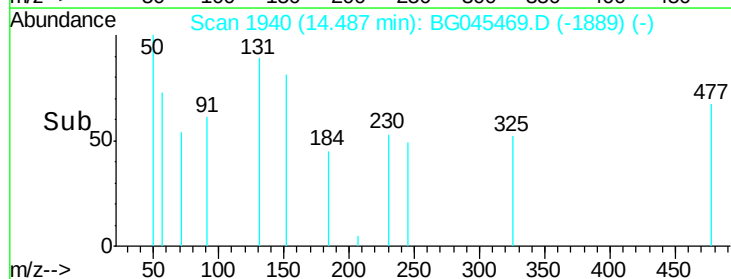
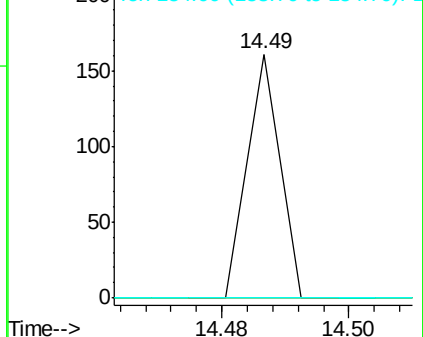
154 0.0 58.3 87.5#

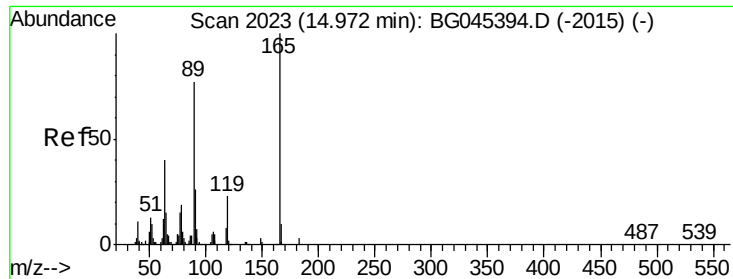


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

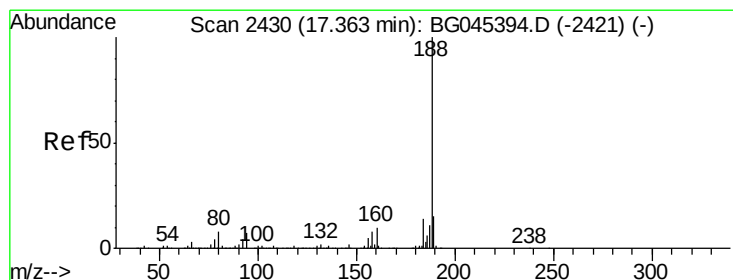
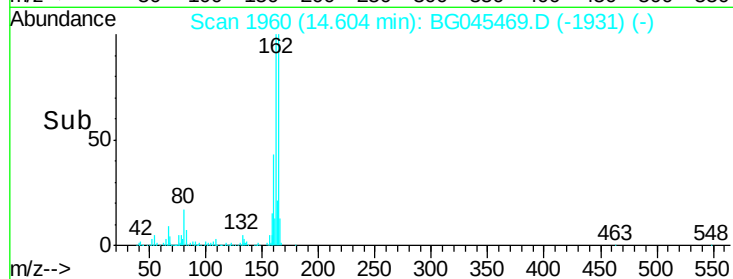
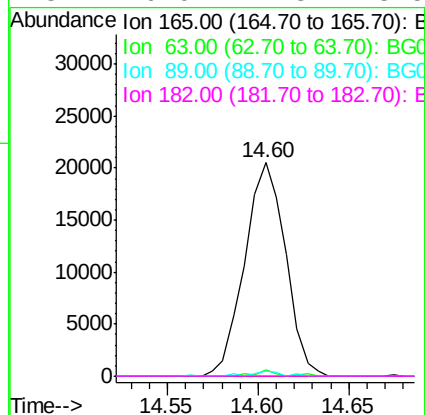
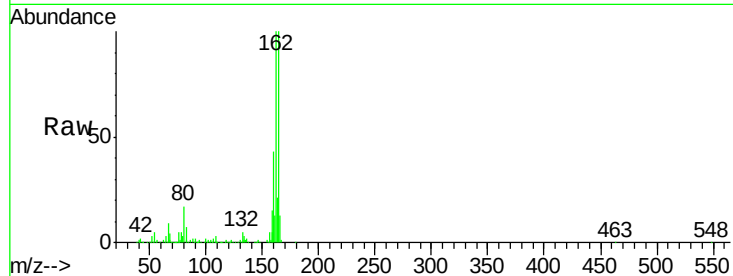




#57
 2,4-Dinitrotoluene
 Concen: 5.820 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.36 min
 Lab File: BG045469.D
 Acq: 26 May 2020 22:59

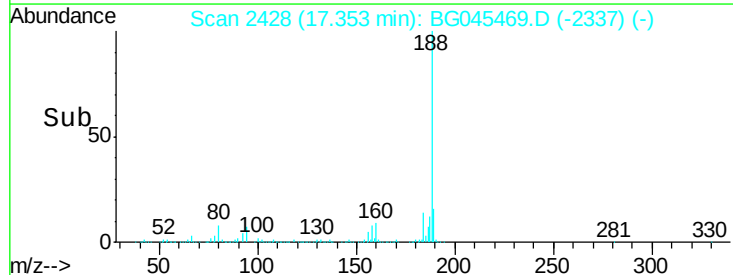
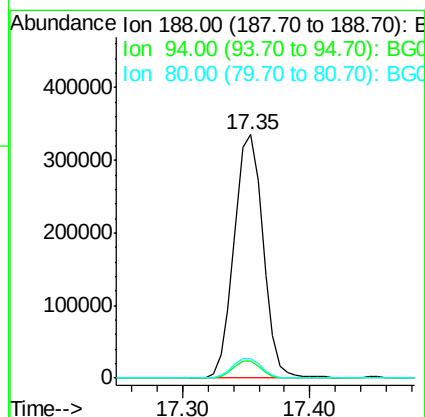
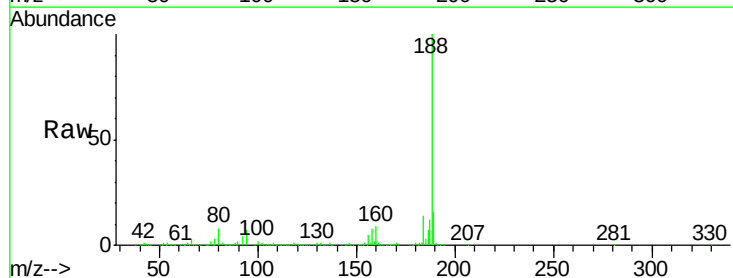
Instrument :
 BNA_G
 ClientSampleId :

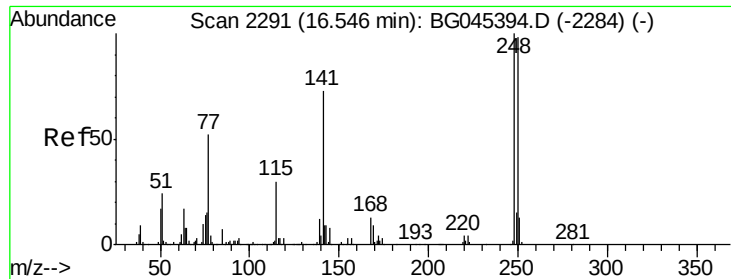
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	32.5	48.7#
89	2.5	61.8	92.6#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG045469.D
 Acq: 26 May 2020 22:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.5	8.3
80	7.9	6.6	10.0

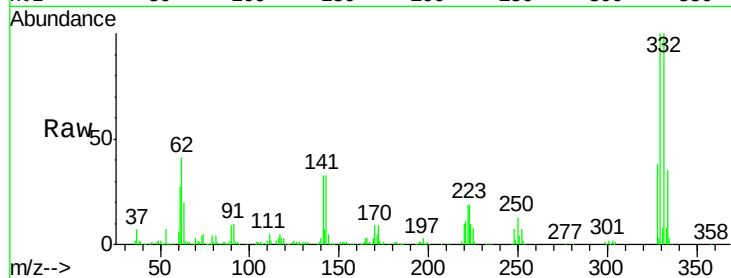




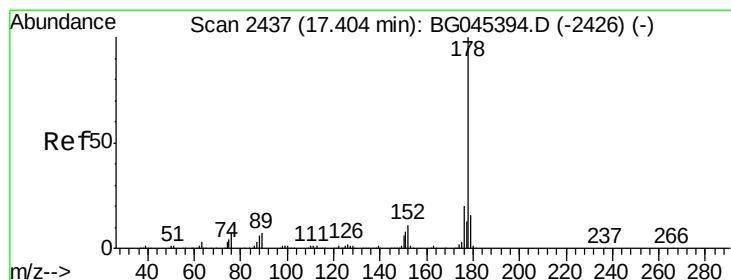
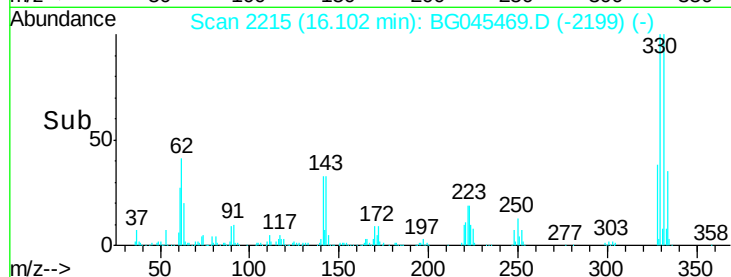
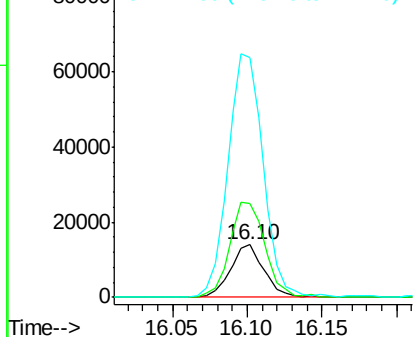
#67
 4-Bromophenyl-phenylether
 Concen: 3.814 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.44 min
 Lab File: BG045469.D
 Acq: 26 May 2020 22:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 21879
 Ion Ratio Lower Upper
 248 100
 250 179.0 78.6 117.8#
 141 457.3 58.2 87.2#

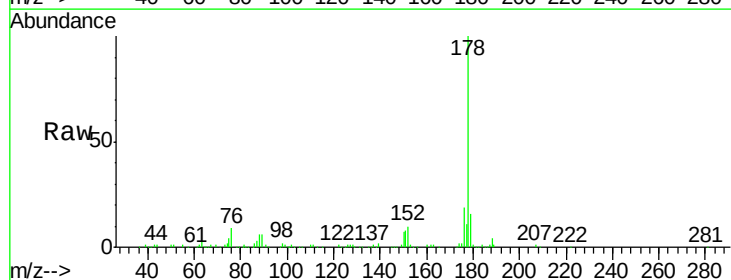


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

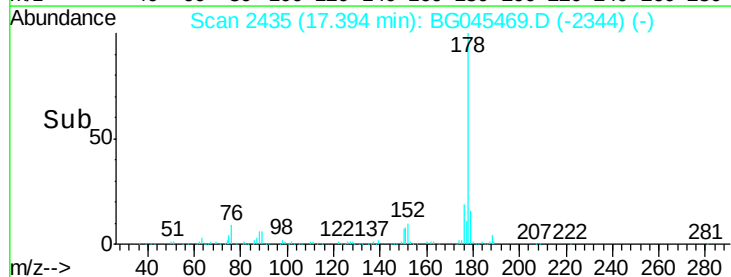
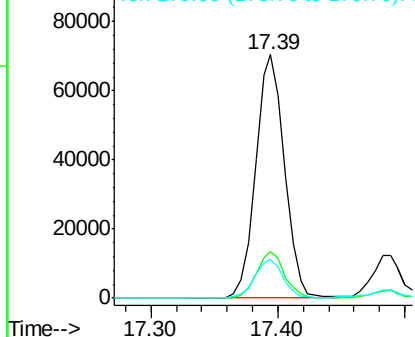


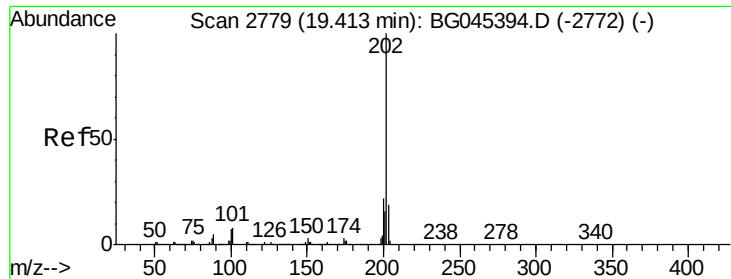
#71
 Phenanthrene
 Concen: 4.816 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: BG045469.D
 Acq: 26 May 2020 22:59

Tgt Ion:178 Resp: 111394
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.8 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: 7.126 ng

RT: 19.40 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG045469.D

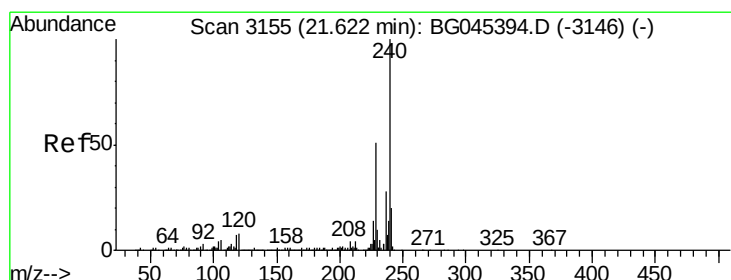
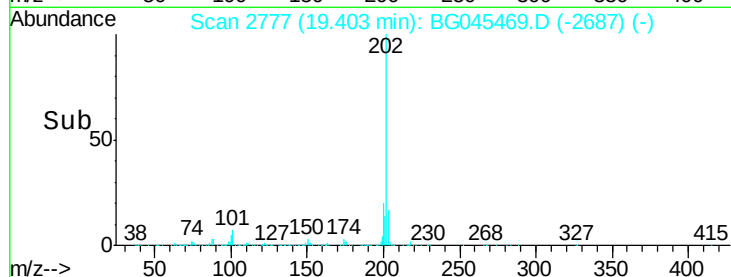
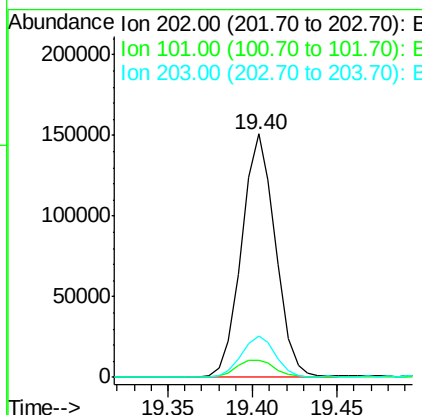
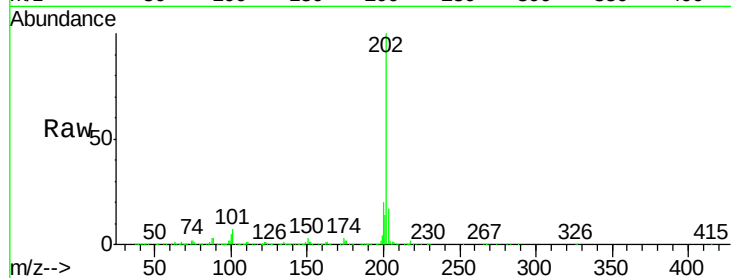
Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	209626
Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	28.3
203	16.8	0.0	39.0



#76

Chrysene-d12

Concen: 20.000 ng

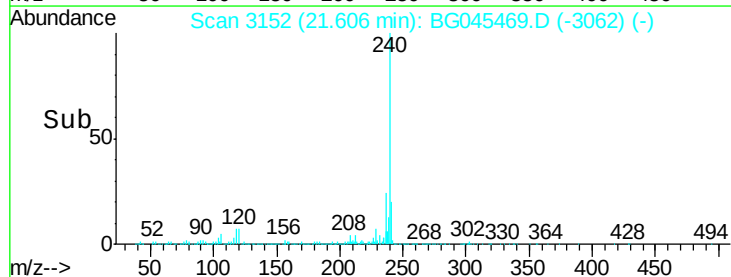
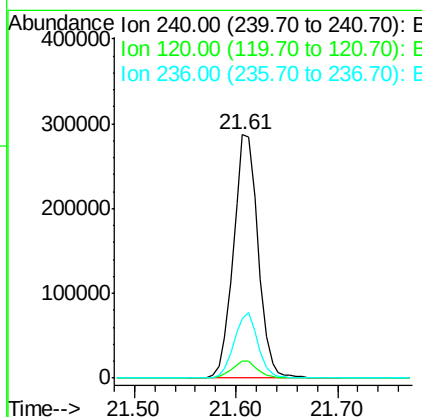
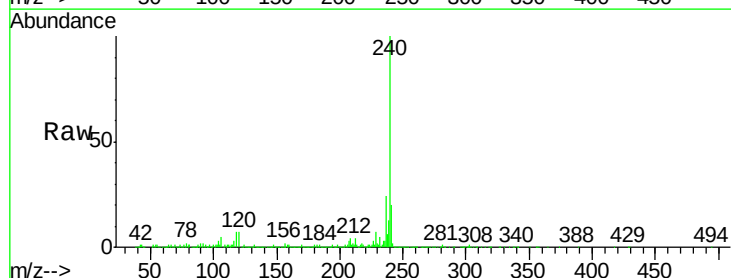
RT: 21.61 min Scan# 3152

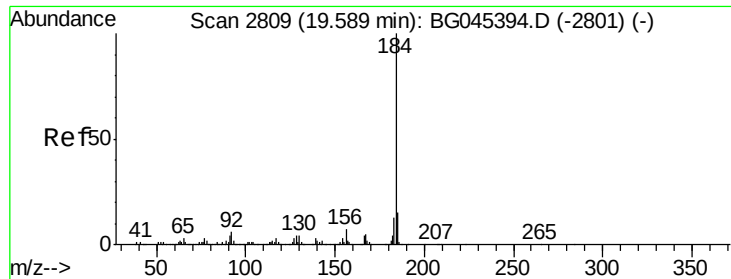
Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Tgt Ion:	240	Resp:	484261
Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.1	9.1
236	24.2	22.3	33.5





#77

Benzidine

Concen: 2.144 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

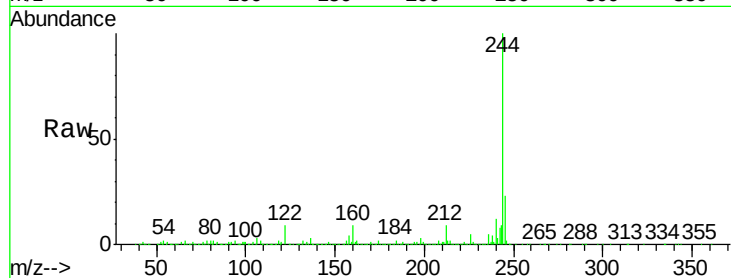
Tot Ion:184 Resp: 29162

Ion Ratio Lower Upper

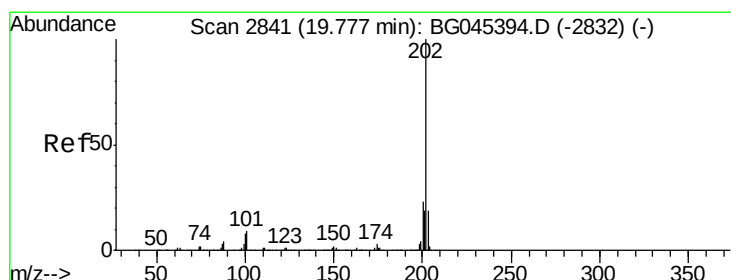
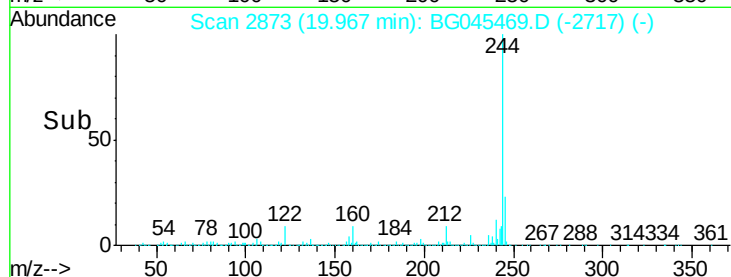
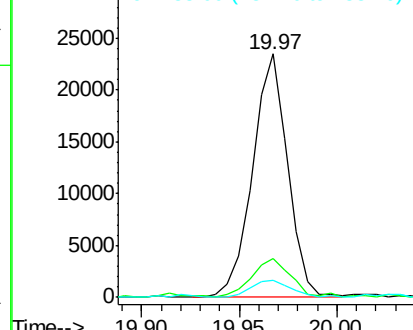
184 100

185 15.9 11.7 17.5

183 6.8 10.2 15.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 6.517 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

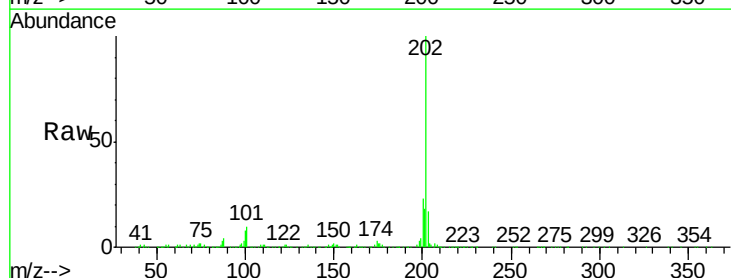
Tgt Ion:202 Resp: 179904

Ion Ratio Lower Upper

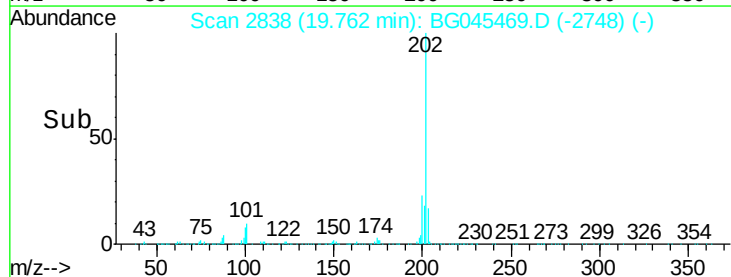
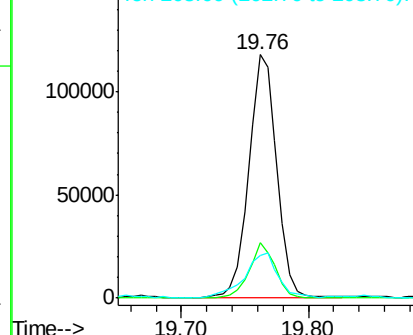
202 100

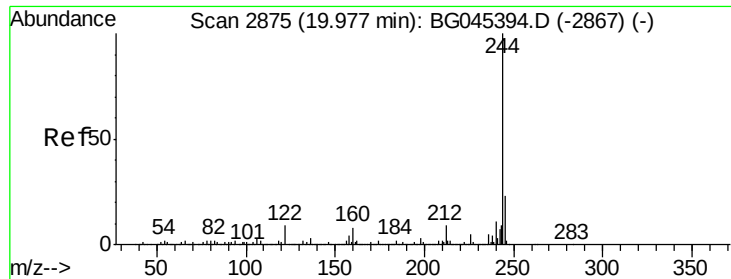
200 22.8 18.2 27.2

203 17.3 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: 74.339 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

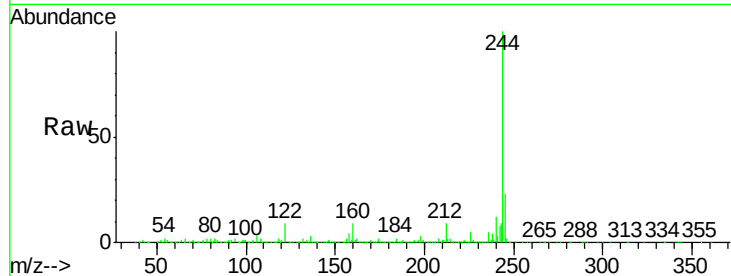
Tot Ion:244 Resp: 1543516

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.0

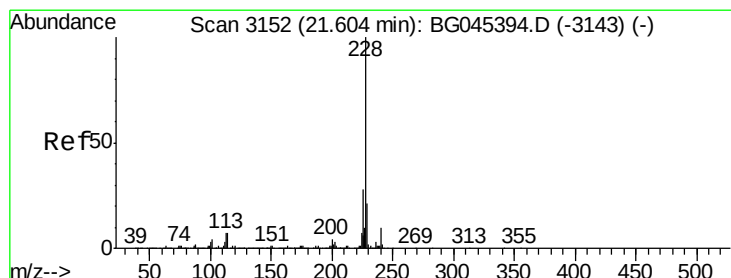
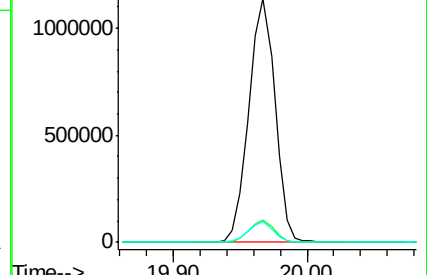
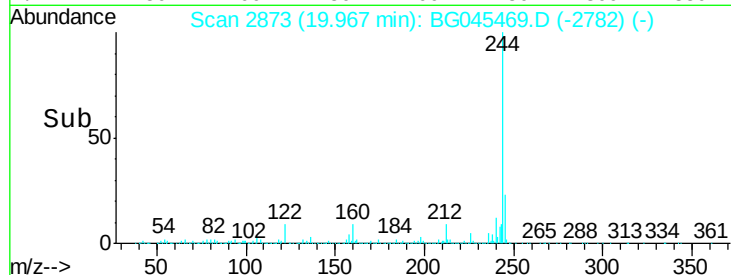
122 8.7 6.8 10.2



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: 3.692 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

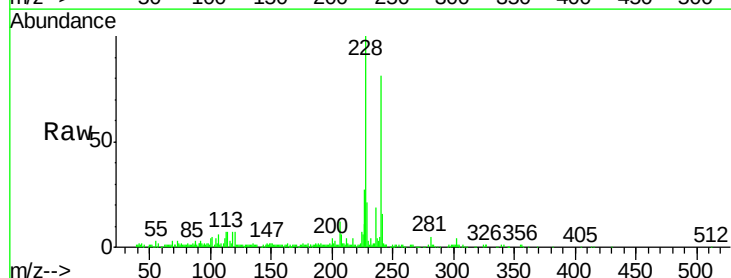
Tgt Ion:228 Resp: 99597

Ion Ratio Lower Upper

228 100

226 26.8 22.7 34.1

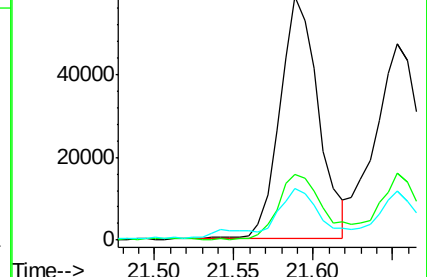
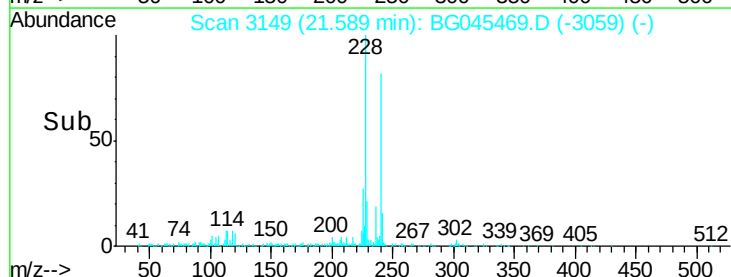
229 21.1 16.7 25.1

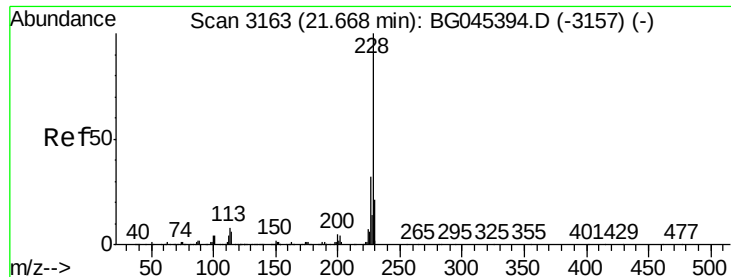


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.540 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

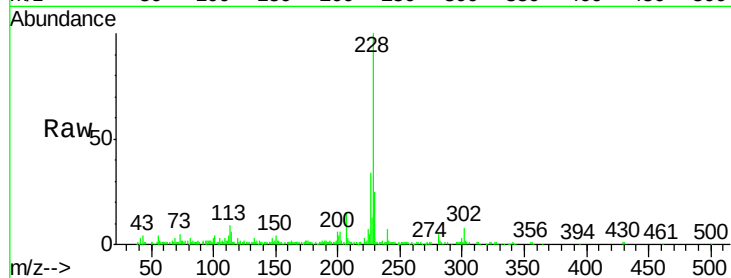
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 91826

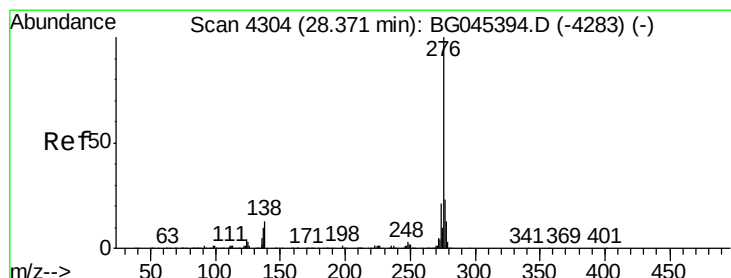
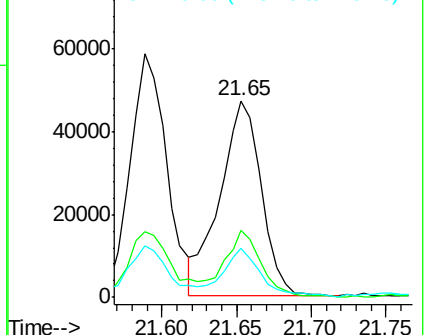
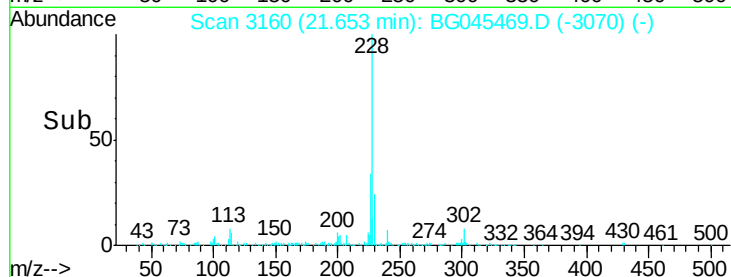
Ion	Ratio	Lower	Upper
228	100		
226	34.1	25.2	37.8
229	24.6	16.7	25.1



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.100 ng

RT: 28.33 min Scan# 4296

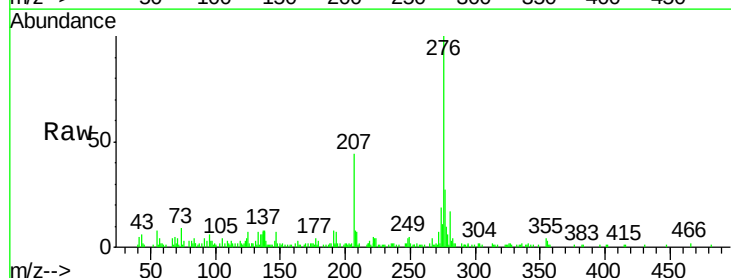
Delta R.T. -0.02 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Tgt Ion:276 Resp: 71248

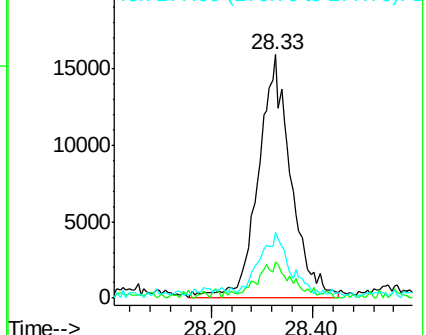
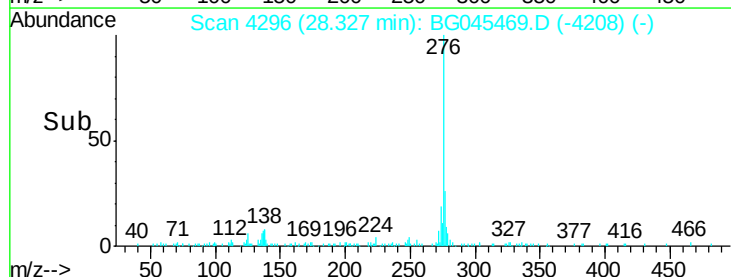
Ion	Ratio	Lower	Upper
276	100		
138	5.6	8.6	12.8#
277	18.9	20.2	30.4#

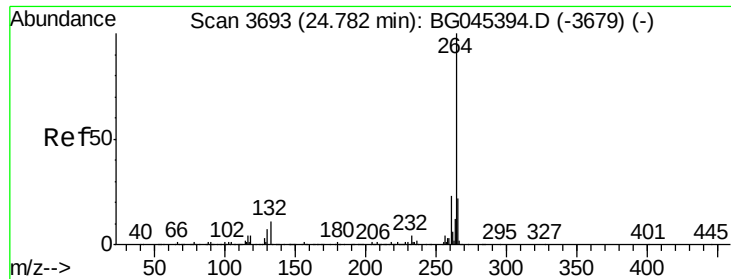


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

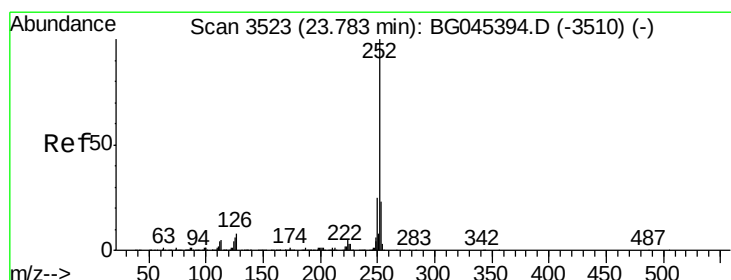
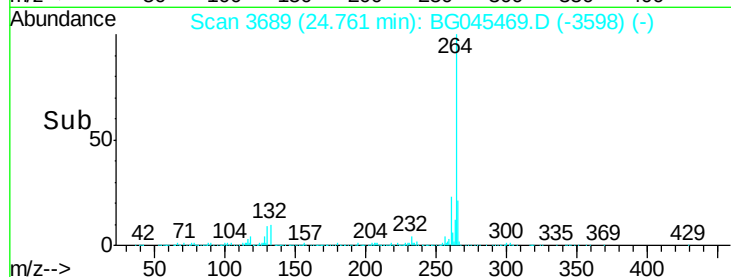
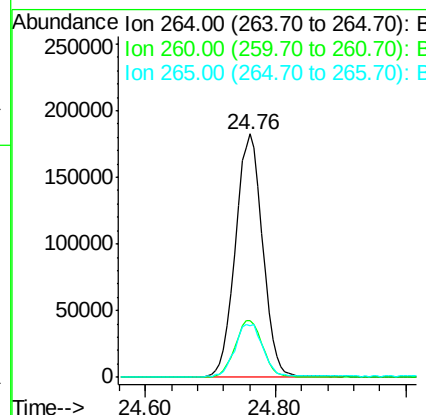
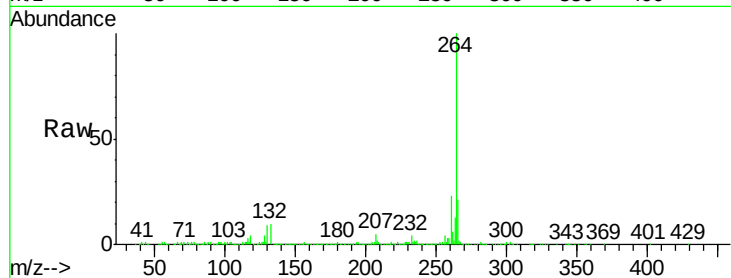




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.76 min Scan# 3689
Delta R.T. 0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

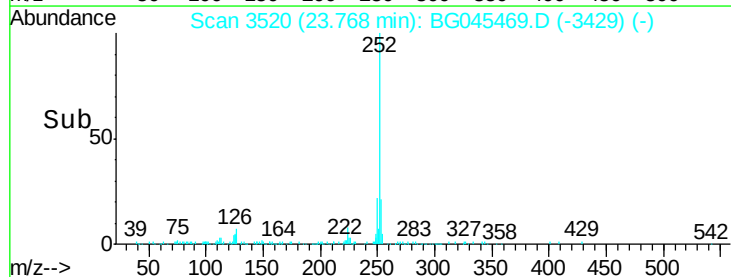
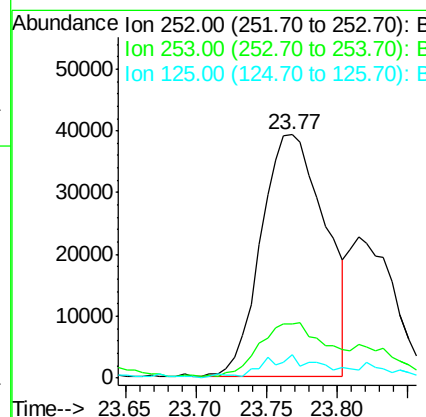
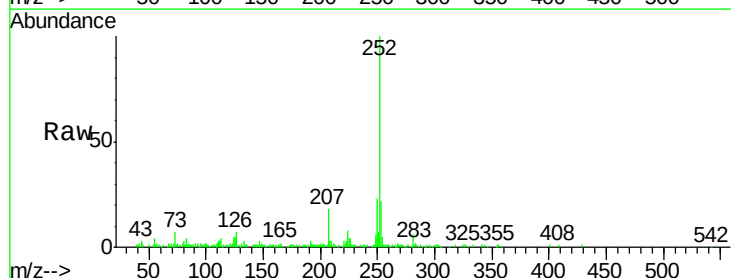
Instrument :
BNA_G
ClientSampleId :

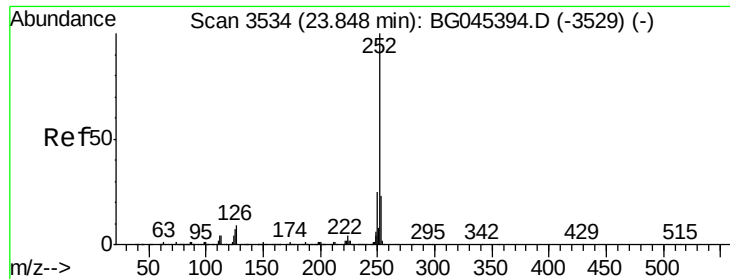
Tot Ion:264 Resp: 530904
Ion Ratio Lower Upper
264 100
260 23.3 18.2 27.4
265 21.2 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 4.375 ng
RT: 23.77 min Scan# 3520
Delta R.T. 0.00 min
Lab File: BG045469.D
Acq: 26 May 2020 22:59

Tgt Ion:252 Resp: 124562
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 9.8 5.0 7.6#





#89

Benzo(k)fluoranthene

Concen: 4.657 ng

RT: 23.77 min Scan# 3520

Delta R.T. -0.07 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

Instrument :

BNA_G

ClientSampleId :

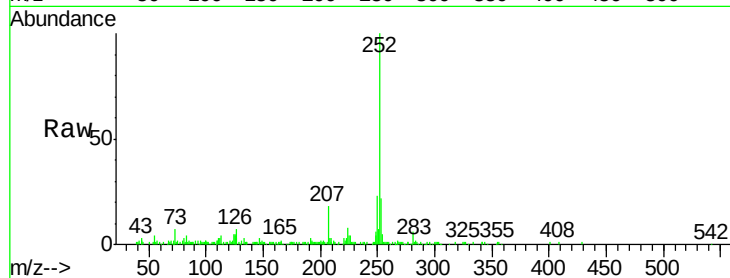
Tot Ion:252 Resp: 124562

Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

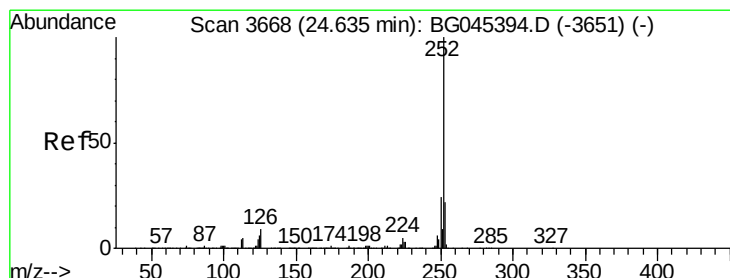
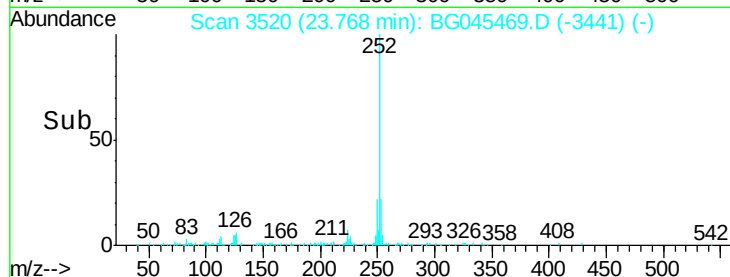
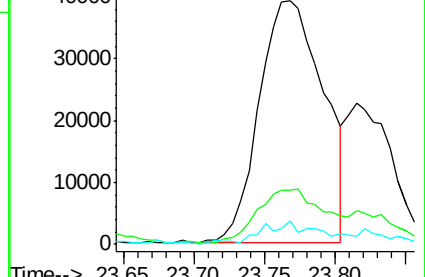
125 9.8 5.7 8.5#



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: 3.318 ng

RT: 24.61 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG045469.D

Acq: 26 May 2020 22:59

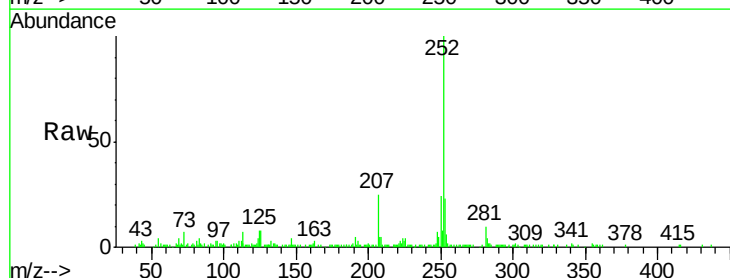
Tgt Ion:252 Resp: 87974

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

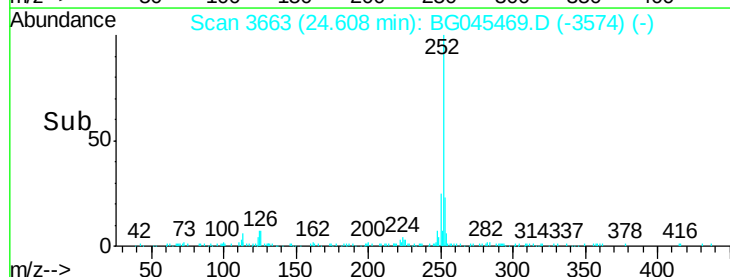
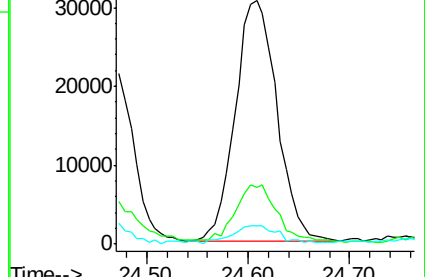
125 7.7 5.0 7.6#

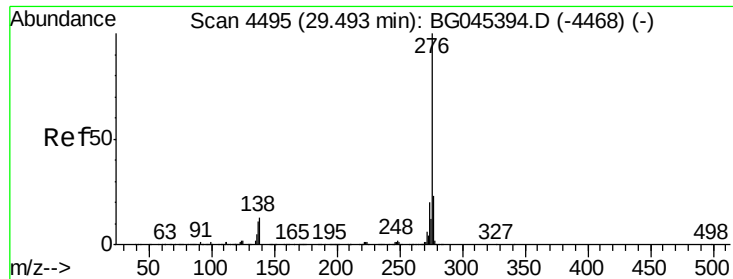


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 2.323 ng
 RT: 29.43 min Scan# 4483
 Delta R.T. -0.03 min
 Lab File: BG045469.D
 Acq: 26 May 2020 22:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	276	Resp:	61906
Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.1	27.1
138	15.2	10.2	15.4

