

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
 Data File : BG044475.D
 Acq On : 18 Feb 2020 16:41
 Operator : CG/JU
 Sample : L1365-09 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 19 01:18:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	73917	20.00	ng	-0.01
21) Naphthalene-d8	10.70	136	316954	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	209626	20.00	ng	-0.01
64) Phenanthrene-d10	17.28	188	432608	20.00	ng	-0.01
76) Chrysene-d12	21.53	240	393899	20.00	ng	-0.01
87) Perylene-d12	24.61	264	435250	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	221771	52.95	ng	0.00
7) Phenol-d6	7.07	99	294188	52.31	ng	0.00
23) Nitrobenzene-d5	9.05	82	174744	31.13	ng	-0.01
42) 2,4,6-Tribromophenol	16.03	330	118039	47.97	ng	0.00
45) 2-Fluorobiphenyl	13.15	172	404277	32.29	ng	-0.01
79) Terphenyl-d14	19.89	244	579617	30.27	ng	-0.01

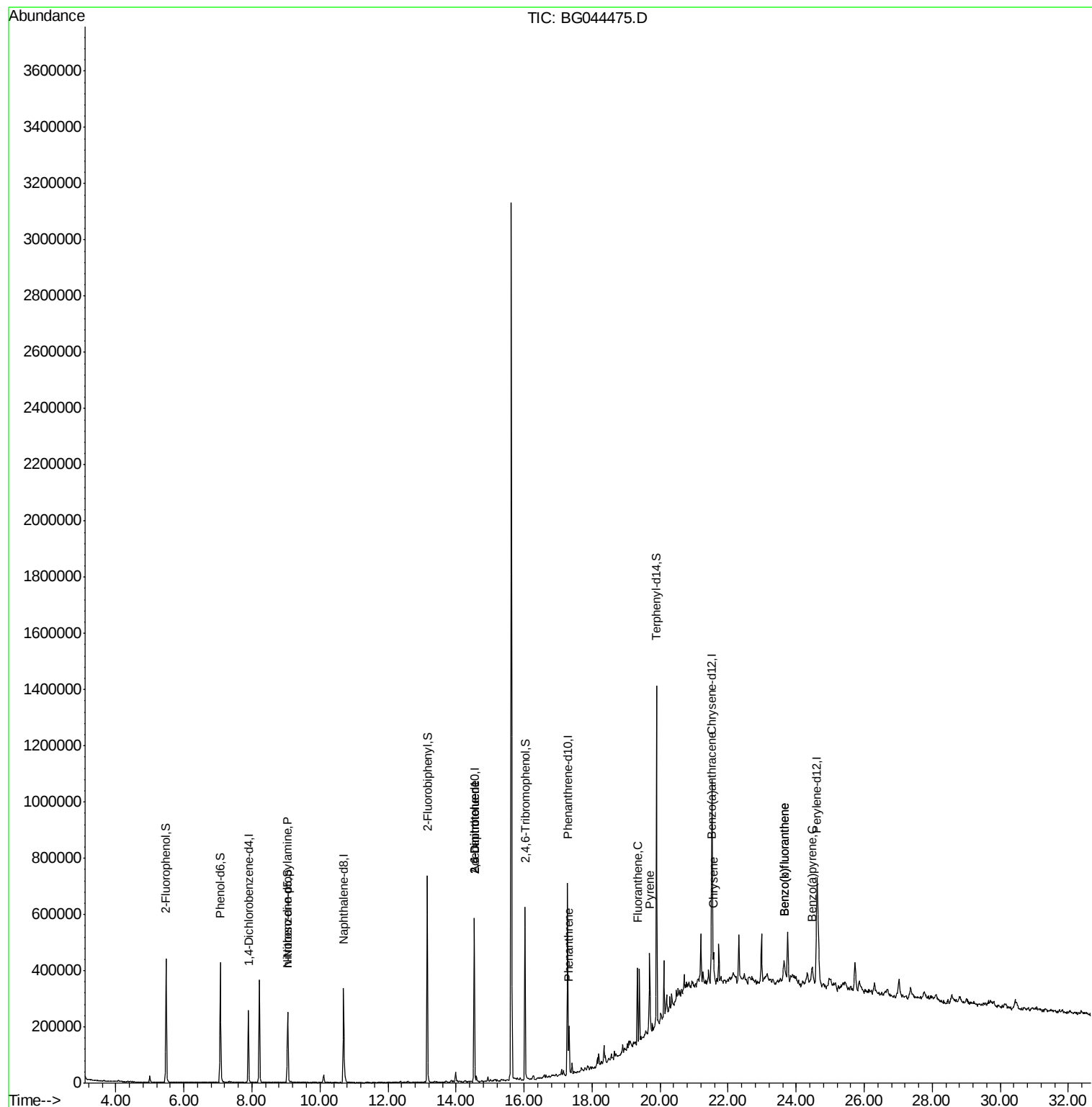
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.05	70	22801	6.083	ng	# 73
51) 2,6-Dinitrotoluene	14.53	165	28132	8.373	ng	# 30
57) 2,4-Dinitrotoluene	14.53	165	28132	5.974	ng	# 27
71) Phenanthrene	17.32	178	111669	5.331	ng	93
75) Fluoranthene	19.33	202	171424	7.074	ng	98
78) Pyrene	19.69	202	177984	7.036	ng	95
81) Benzo(a)anthracene	21.50	228	70319	2.897	ng	99
83) Chrysene	21.57	228	71743	3.057	ng	98
88) Benzo(b)fluoranthene	23.64	252	81712	3.258	ng	# 92
89) Benzo(k)fluoranthene	23.64	252	81712	3.343	ng	# 92
90) Benzo(a)pyrene	24.46	252	67648	2.853	ng	# 90

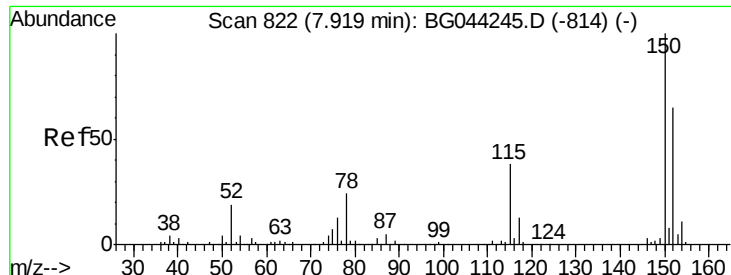
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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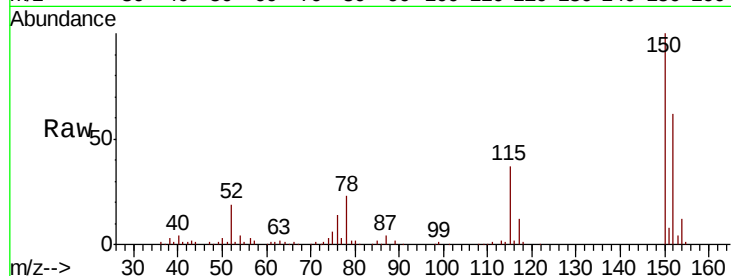


#1

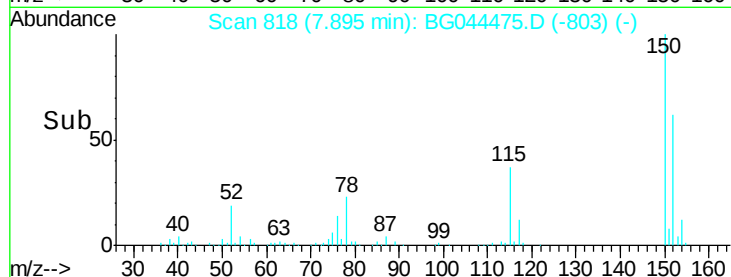
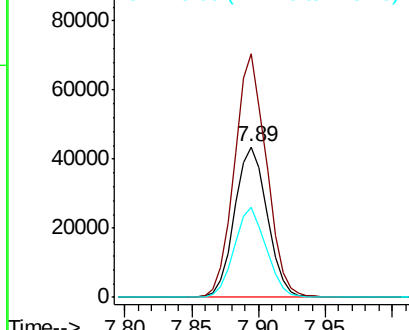
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BG044475.D
 Acq: 18 Feb 2020 16:41

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	122.6	183.8
115	60.2	46.0	69.0



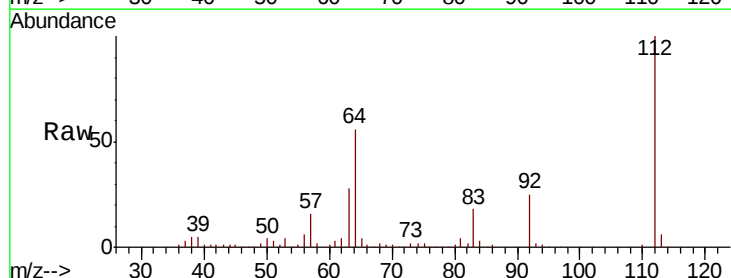
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



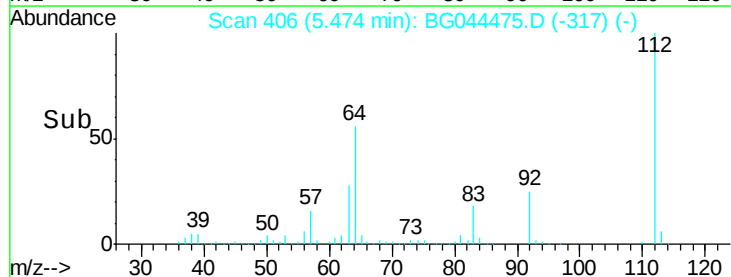
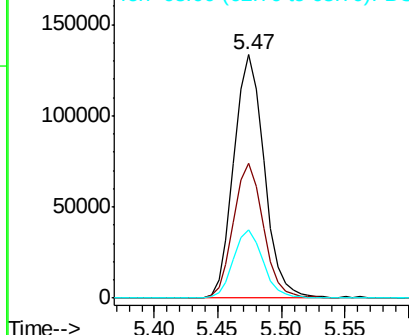
#5

2-Fluorophenol
 Concen: 52.950 ng
 RT: 5.47 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: BG044475.D
 Acq: 18 Feb 2020 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.4	68.2
63	28.1	22.9	34.3



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: 52.307 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

Instrument :

BNA_G

ClientSampleId :

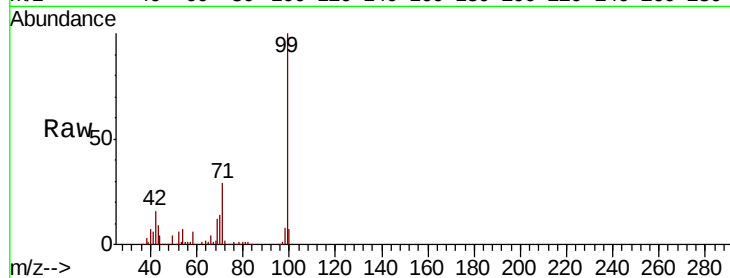
Tot Ion: 99 Resp: 294188

Ion Ratio Lower Upper

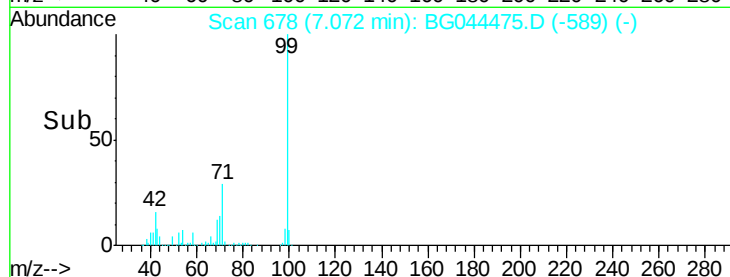
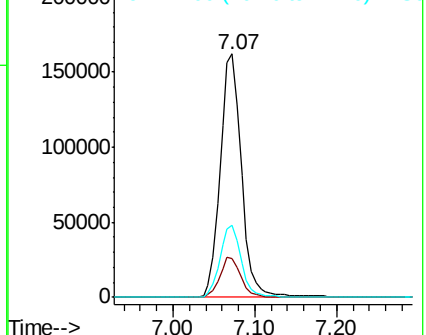
99 100

42 15.8 13.8 20.6

71 29.4 25.5 38.3



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: 6.083 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.34 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

Tgt Ion: 70 Resp: 22801

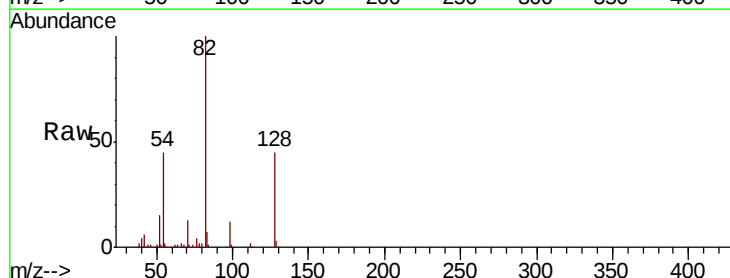
Ion Ratio Lower Upper

70 100

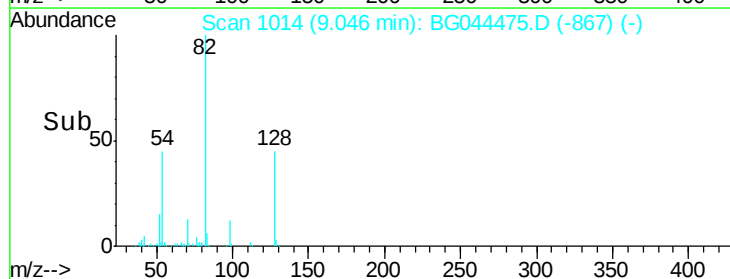
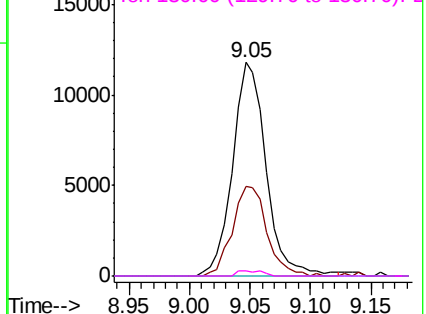
42 42.3 46.2 69.2#

101 0.0 8.4 12.6#

130 2.4 17.8 26.8#



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: 10.70 min Scan# 1295

Delta R.T. -0.00 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 316954

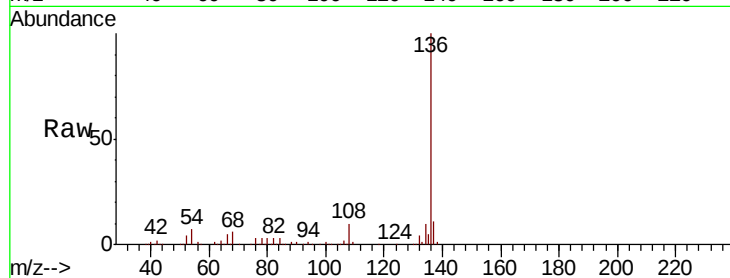
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.7 5.8 8.8

68 6.1 4.6 6.8

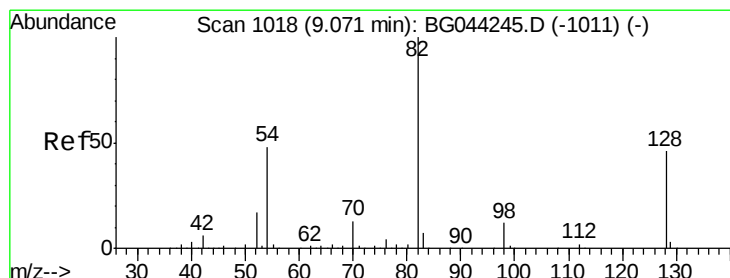
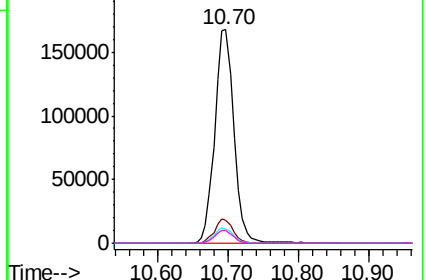
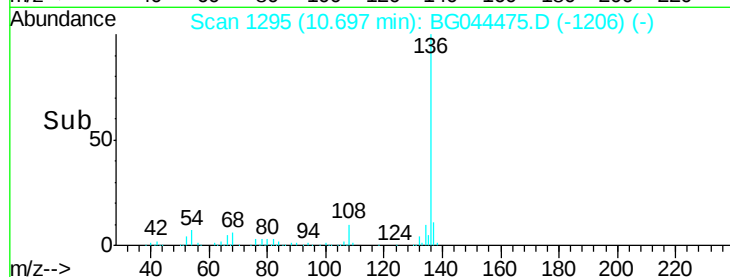


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 31.126 ng

RT: 9.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

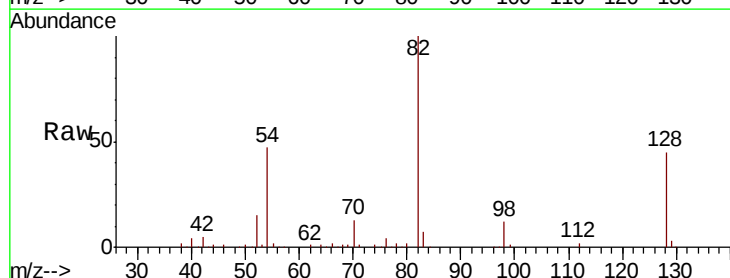
Tgt Ion: 82 Resp: 174744

Ion Ratio Lower Upper

82 100

128 45.1 36.5 54.7

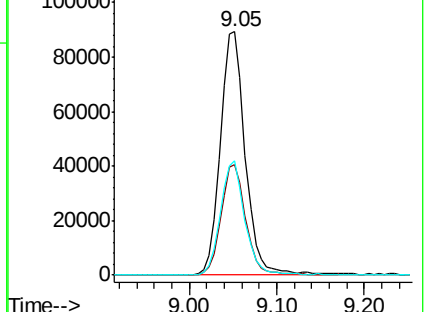
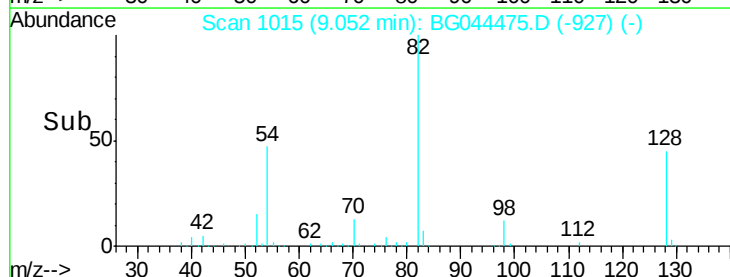
54 46.9 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

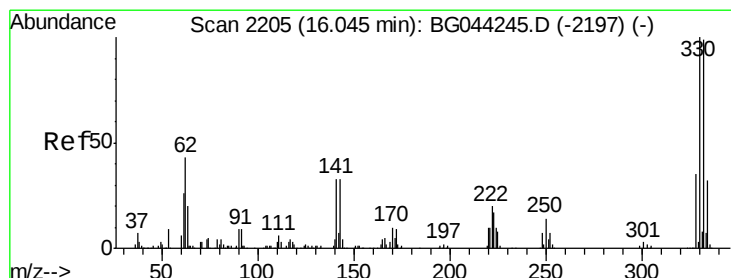
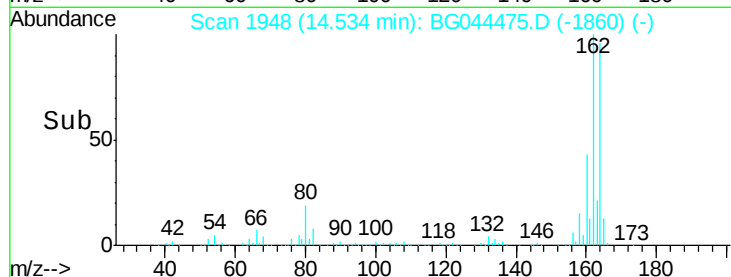
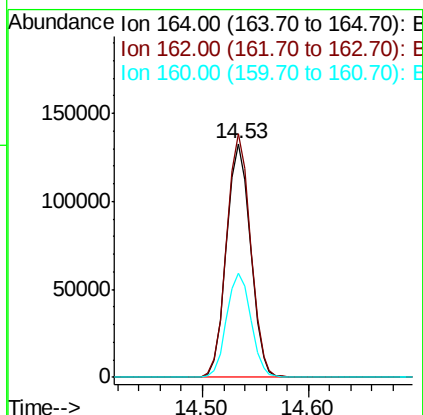
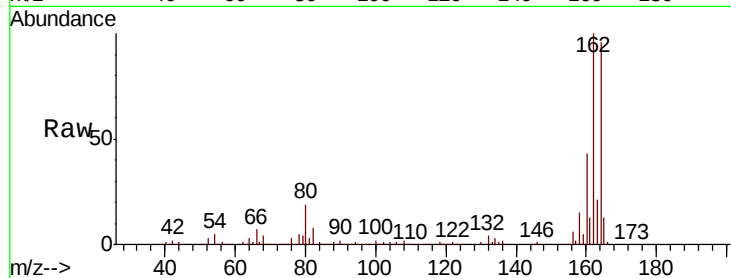




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

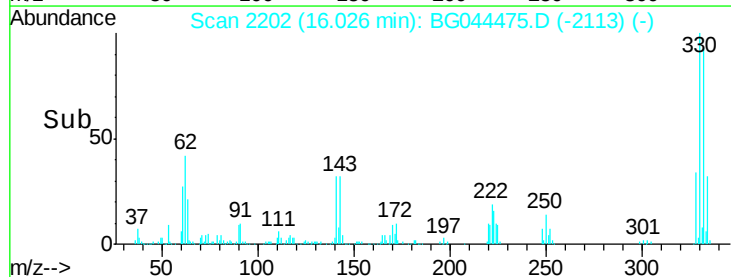
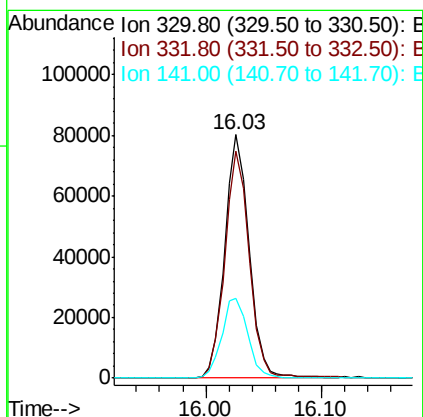
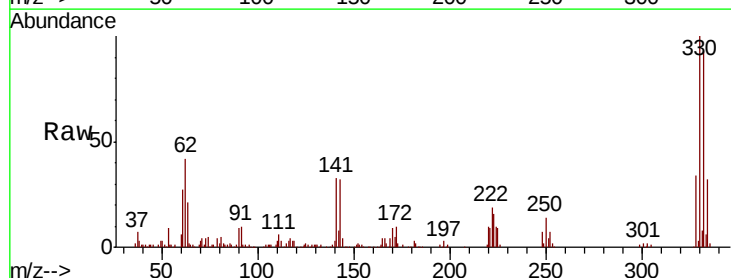
Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 209626
Ion Ratio Lower Upper
164 100
162 104.2 80.7 121.1
160 44.4 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 47.966 ng
RT: 16.03 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:330 Resp: 118039
Ion Ratio Lower Upper
330 100
332 93.0 77.2 115.8
141 35.1 28.3 42.5

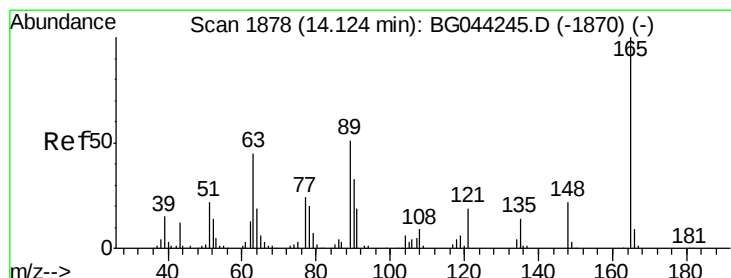
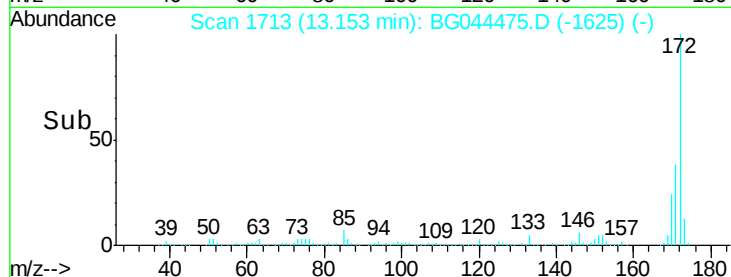
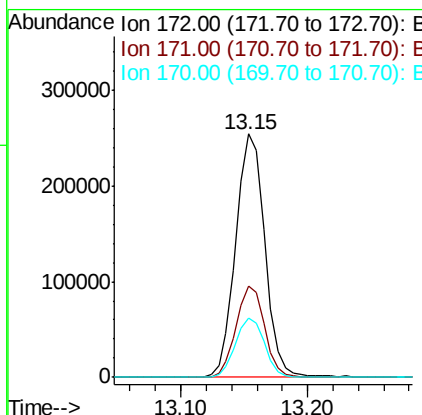
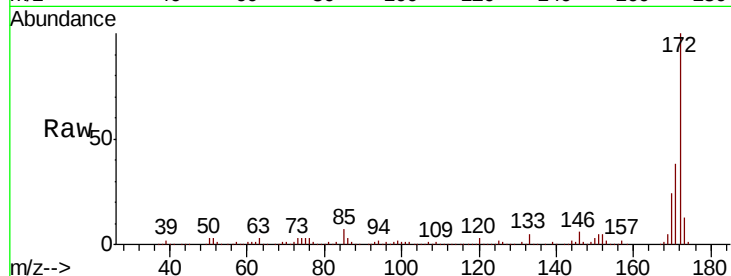




#45
 2-Fluorobiphenyl
 Concen: 32.295 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG044475.D
 Acq: 18 Feb 2020 16:41

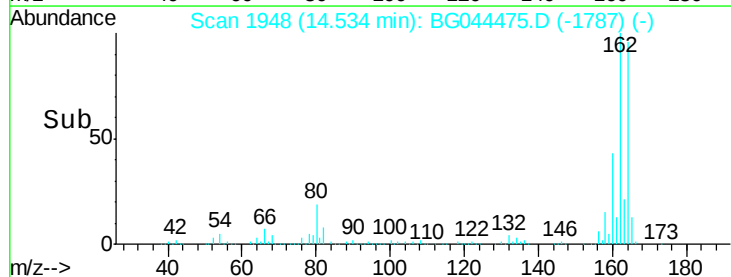
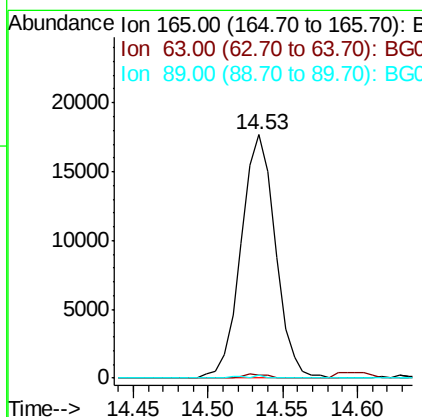
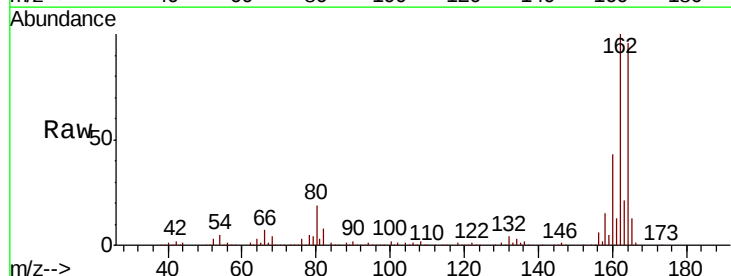
Instrument :
 BNA_G
 ClientSampleId :

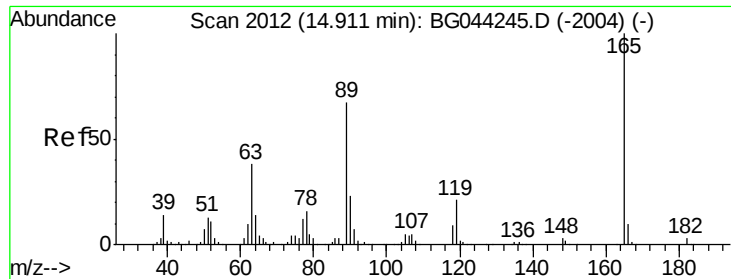
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	32.9	49.3
170	24.3	22.0	33.0



#51
 2,6-Dinitrotoluene
 Concen: 8.373 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG044475.D
 Acq: 18 Feb 2020 16:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	38.7	58.1#
89	1.1	40.4	60.6#

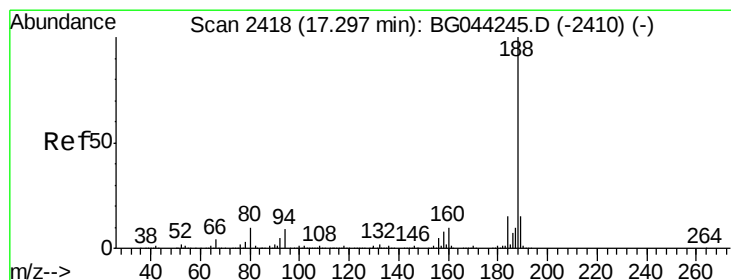
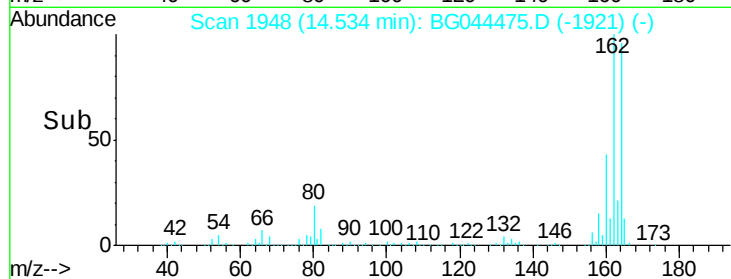
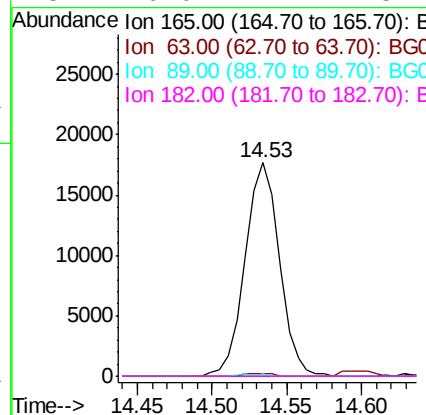
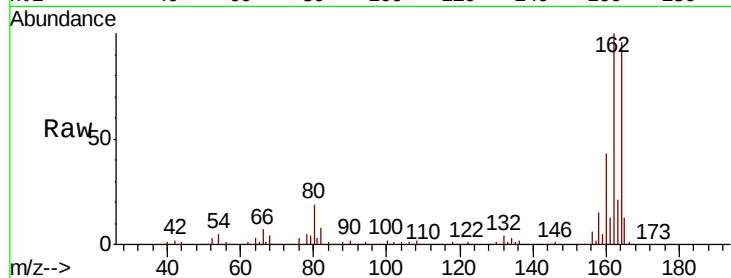




#57
 2,4-Dinitrotoluene
 Concen: 5.974 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG044475.D
 Acq: 18 Feb 2020 16:41

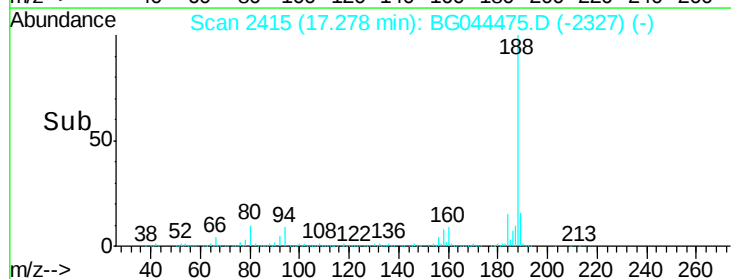
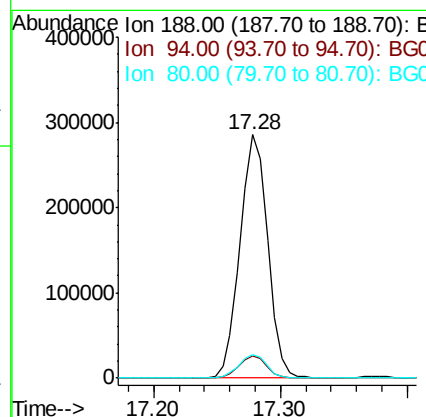
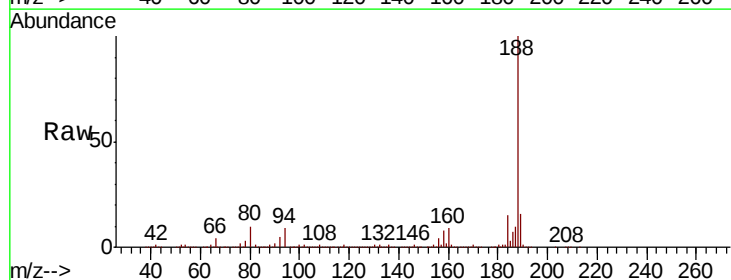
Instrument :
 BNA_G
 ClientSampled :

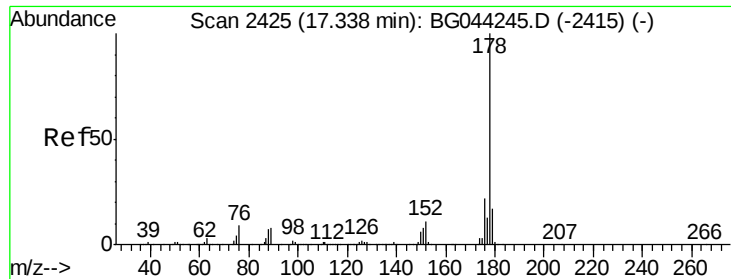
Tot Ion:165	Resp: 28132
Ion Ratio	Lower Upper
165 100	
63 1.4	30.3 45.5#
89 1.1	53.4 80.2#
182 0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.28 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BG044475.D
 Acq: 18 Feb 2020 16:41

Tgt	Ion:188	Resp:	432608
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	9.9	7.7	11.5





#71

Phenanthrene

Concen: 5.331 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

Instrument :

BNA_G

ClientSampleId :

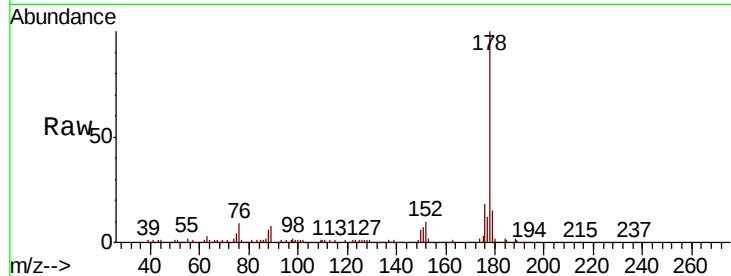
Tot Ion:178 Resp: 111669

Ion Ratio Lower Upper

178 100

176 18.4 17.7 26.5

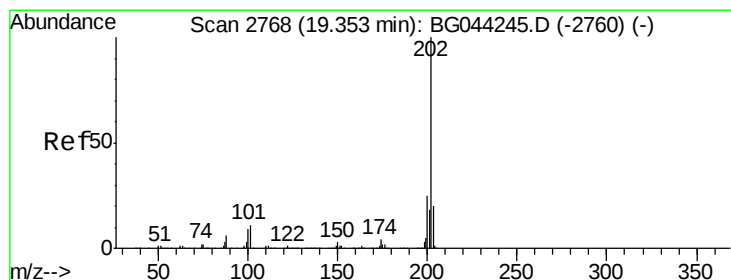
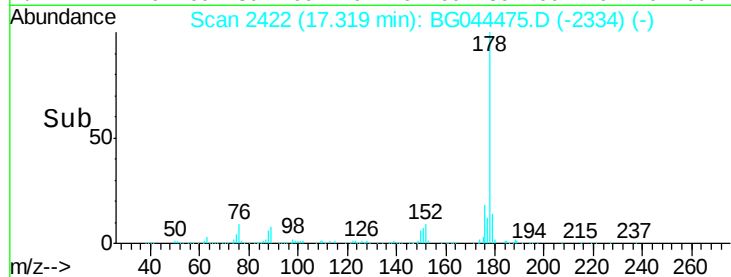
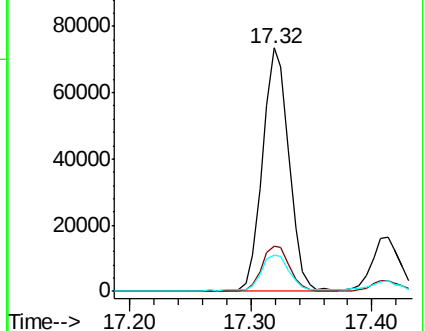
179 14.6 13.7 20.5



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: 7.074 ng

RT: 19.33 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

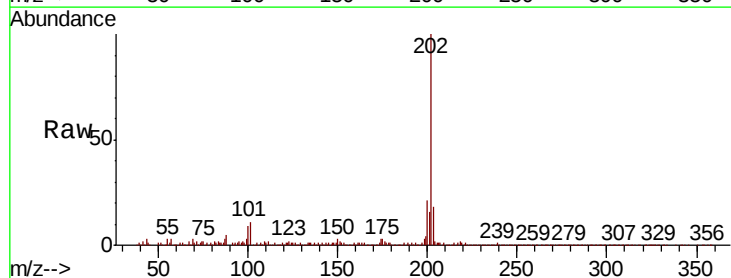
Tgt Ion:202 Resp: 171424

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.3

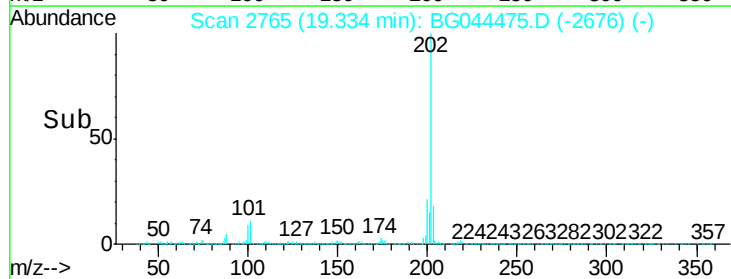
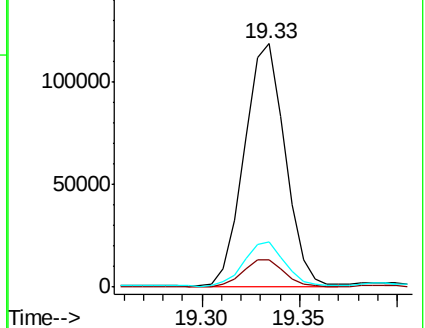
203 18.3 0.0 39.9

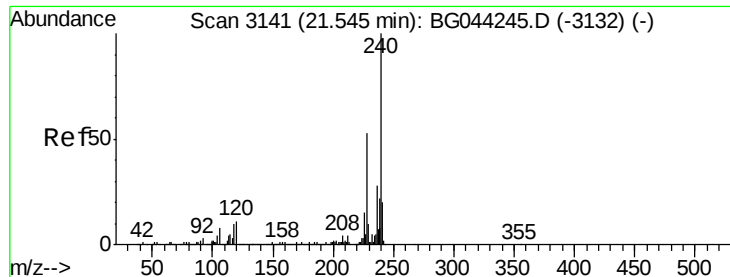


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

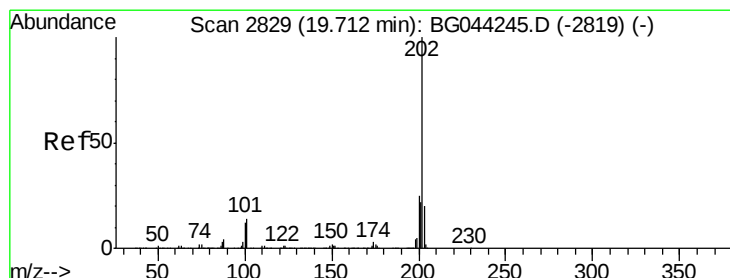
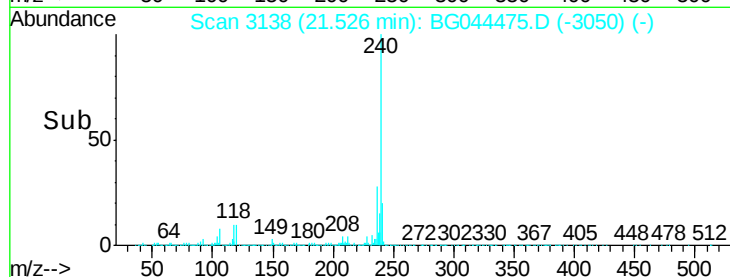
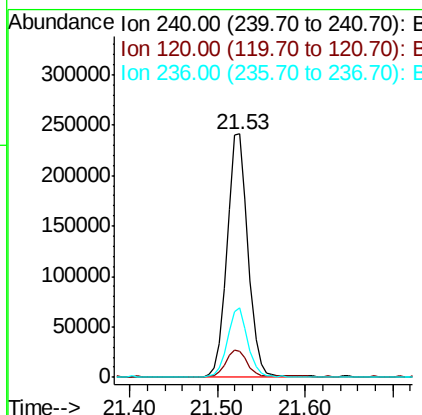
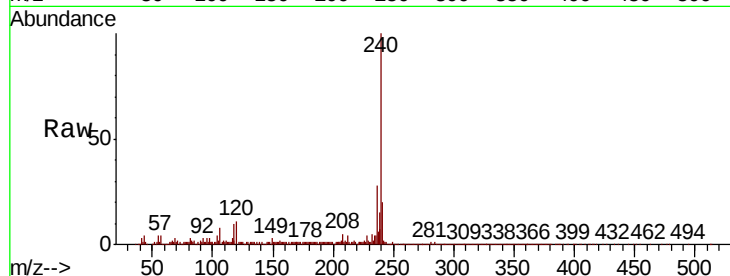




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.53 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

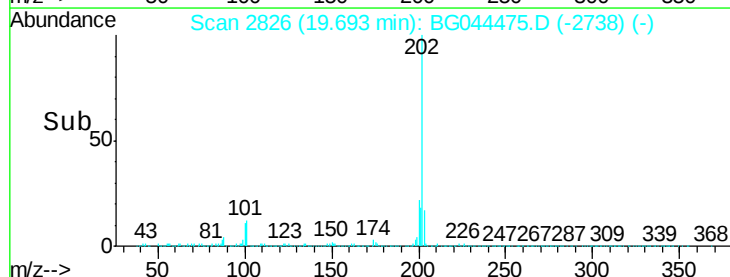
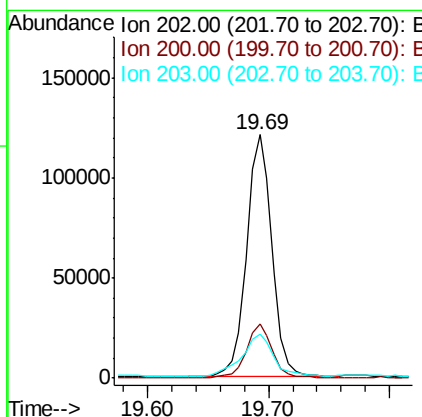
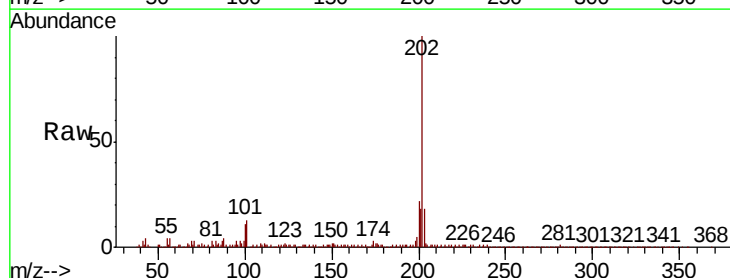
Instrument :
BNA_G
ClientSampleId :

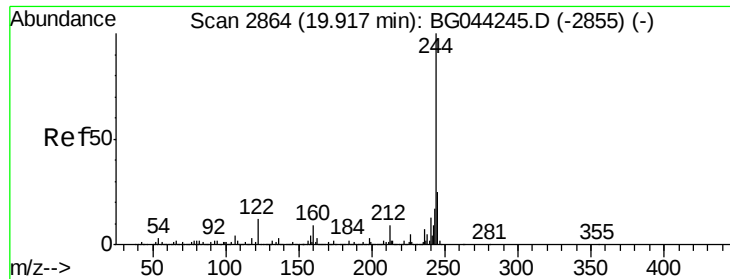
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.4	12.6
236	28.4	22.1	33.1



#78
Pyrene
Concen: 7.036 ng
RT: 19.69 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	20.0	30.0
203	17.9	16.2	24.2





#79

Terphenyl-d14

Concen: 30.267 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

Instrument :

BNA_G

ClientSampleId :

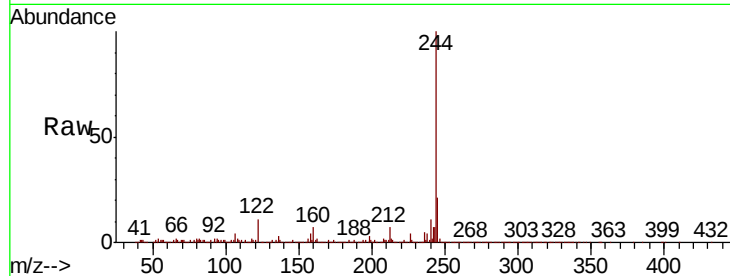
Tot Ion:244 Resp: 579617

Ion Ratio Lower Upper

244 100

212 7.1 7.4 11.2#

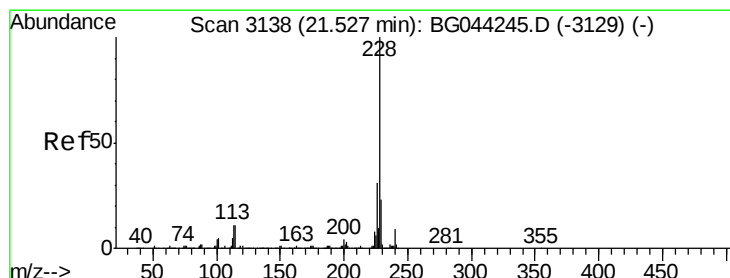
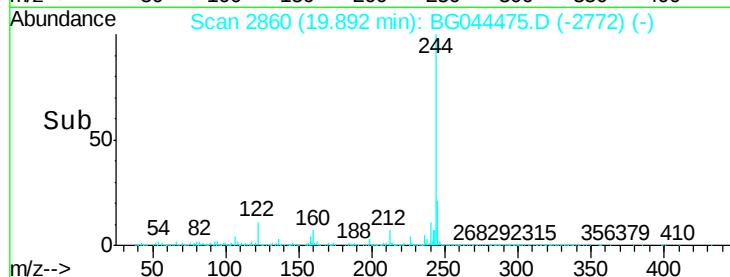
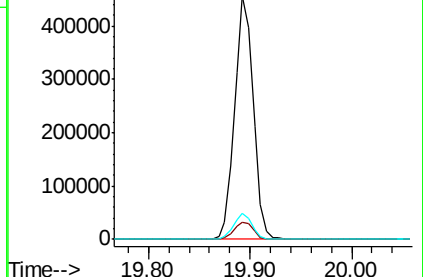
122 10.7 9.8 14.6



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: 2.897 ng

RT: 21.50 min Scan# 3134

Delta R.T. -0.01 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

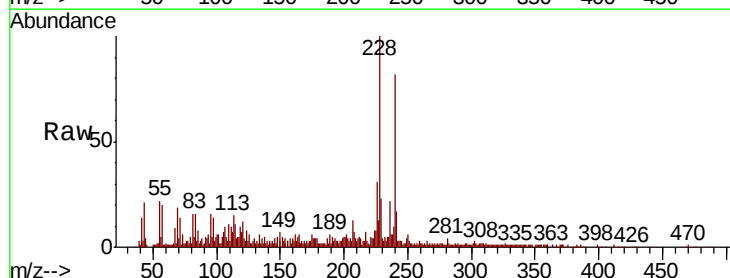
Tgt Ion:228 Resp: 70319

Ion Ratio Lower Upper

228 100

226 31.0 24.7 37.1

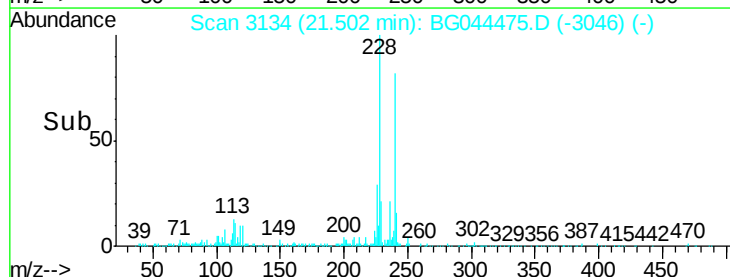
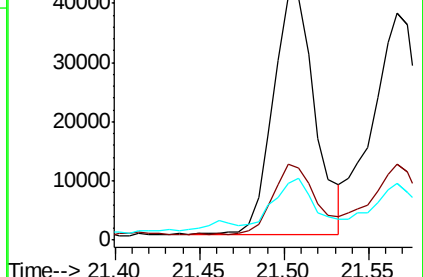
229 23.5 18.2 27.4

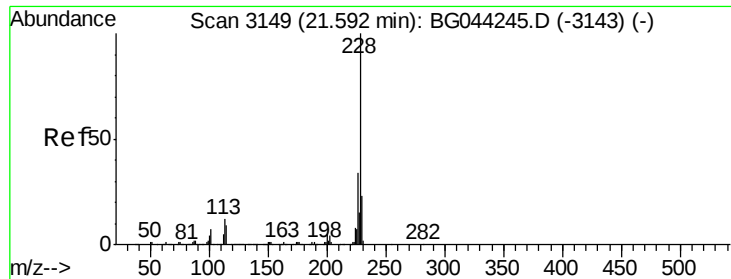


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

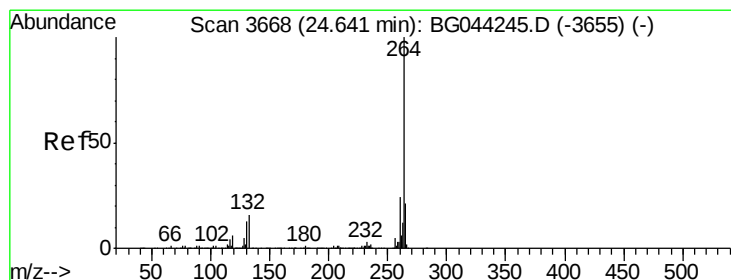
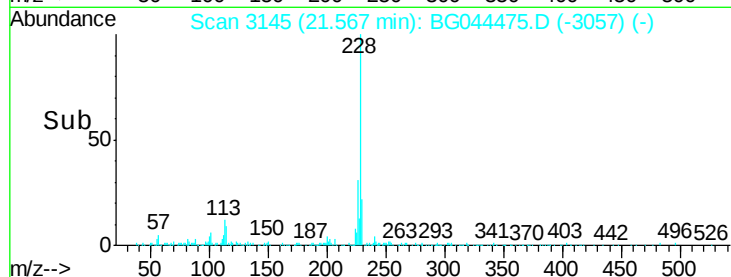
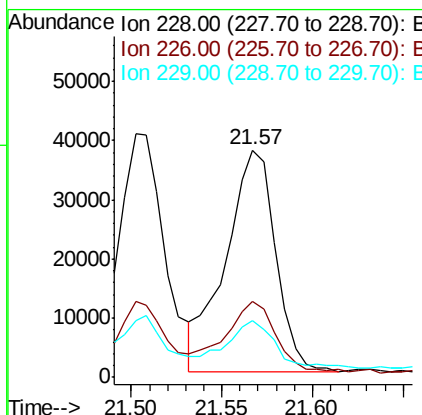
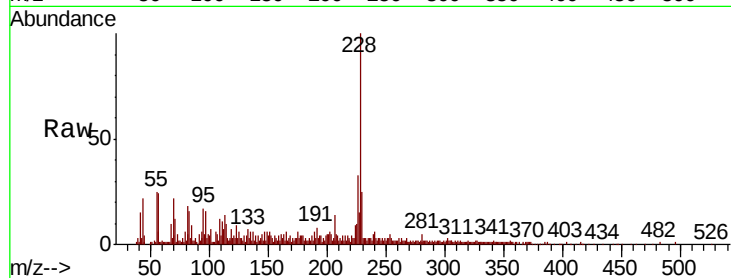




#83
Chrysene
Concen: 3.057 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

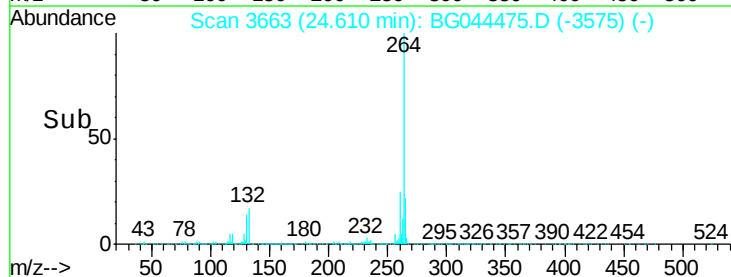
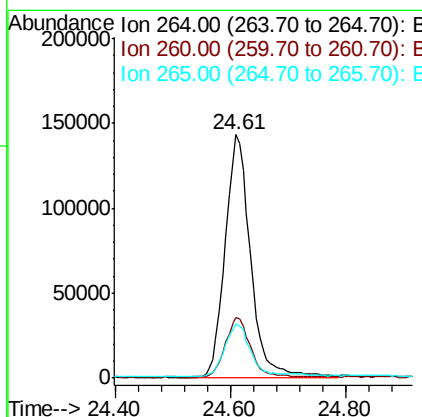
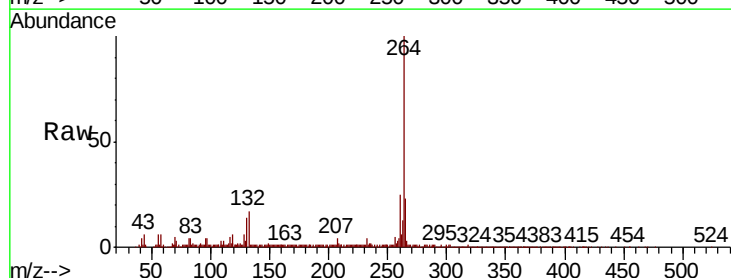
Instrument :
BNA_G
ClientSampled :

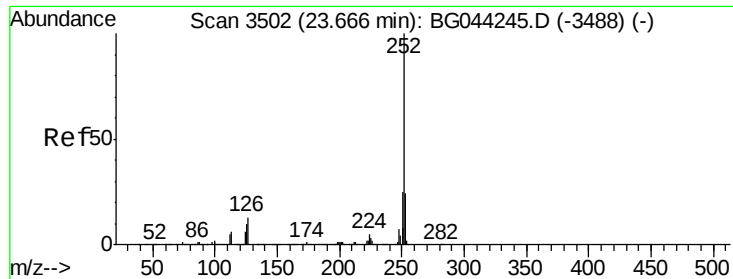
Tot Ion:228 Resp: 71743
Ion Ratio Lower Upper
228 100
226 33.4 27.1 40.7
229 24.7 17.9 26.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.61 min Scan# 3663
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:264 Resp: 435250
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 22.5 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 3.258 ng

RT: 23.64 min Scan# 3497

Delta R.T. -0.01 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

Instrument :

BNA_G

ClientSampleId :

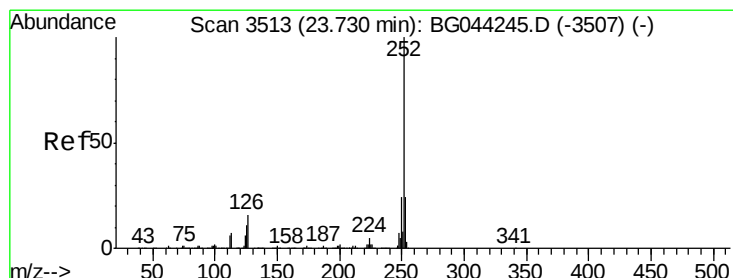
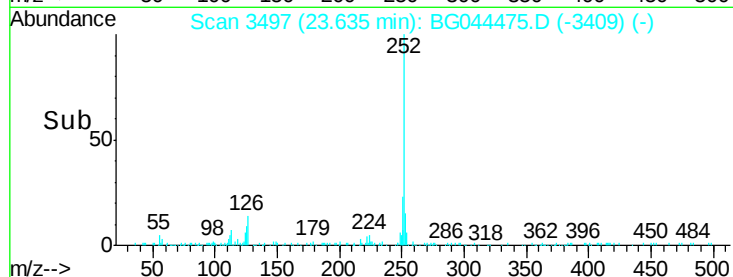
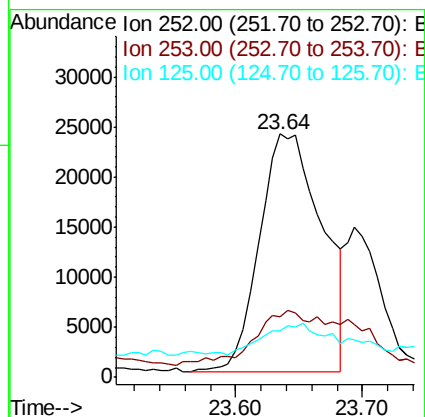
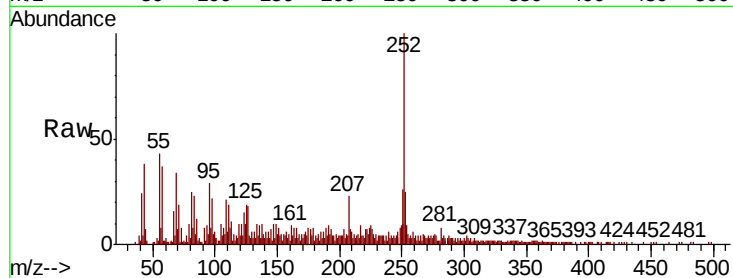
Tot Ion:252 Resp: 81712

Ion Ratio Lower Upper

252 100

253 25.0 19.2 28.8

125 18.9 8.4 12.6#



#89

Benzo(k)fluoranthene

Concen: 3.343 ng

RT: 23.64 min Scan# 3497

Delta R.T. -0.08 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

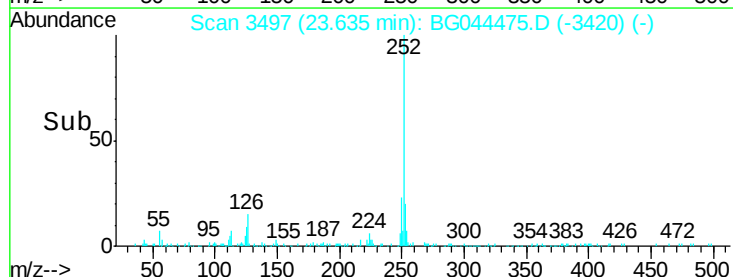
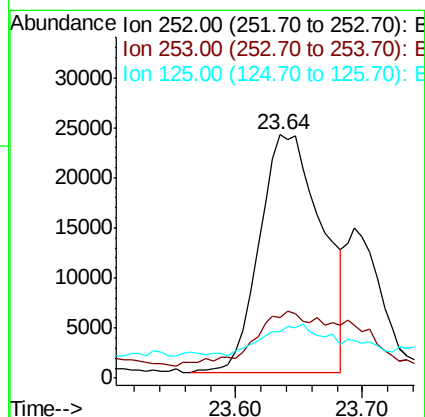
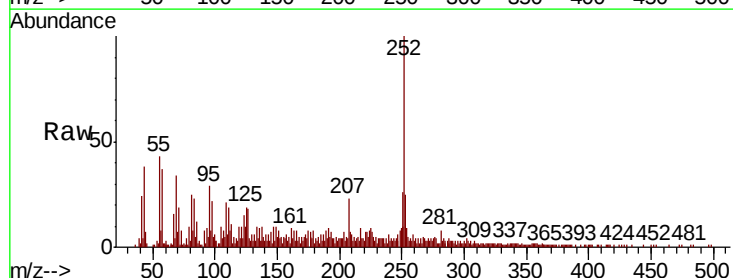
Tgt Ion:252 Resp: 81712

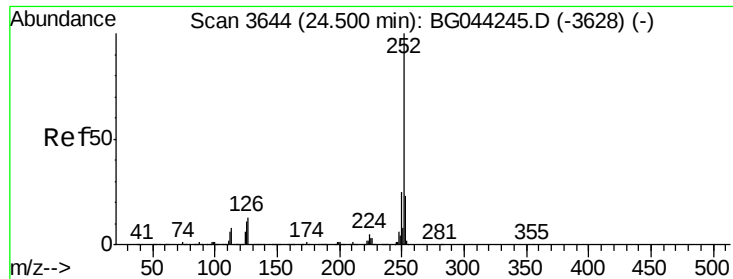
Ion Ratio Lower Upper

252 100

253 25.0 19.1 28.7

125 18.9 8.6 12.8#





#90

Benzo(a)pyrene

Concen: 2.853 ng

RT: 24.46 min Scan# 3638

Delta R.T. -0.01 min

Lab File: BG044475.D

Acq: 18 Feb 2020 16:41

Instrument :

BNA_G

ClientSampleId :

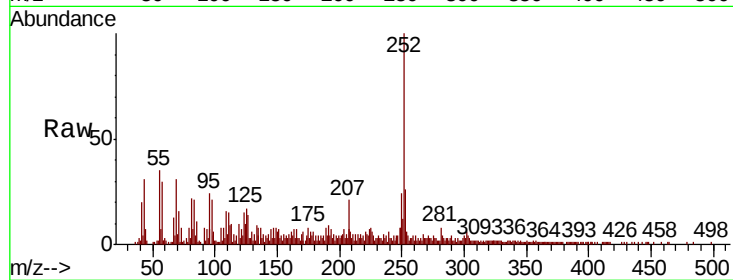
Tot Ion:252 Resp: 67648

Ion Ratio Lower Upper

252 100

253 26.1 18.1 27.1

125 17.2 8.6 13.0#



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

