

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062620\
 Data File : BG045872.D
 Acq On : 26 Jun 2020 14:02
 Operator : CG/JU
 Sample : L3094-01RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BRENNAN-FL-001

Quant Time: Jun 26 15:23:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 15:44:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	64134	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	255188	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	172002	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	374599	20.00	ng	0.00
76) Chrysene-d12	21.57	240	318408	20.00	ng	0.00
86) Perylene-d12	24.70	264	358622	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	346876	91.36	ng	0.00
7) Phenol-d6	7.13	99	512373	88.72	ng	0.00
23) Nitrobenzene-d5	9.08	82	345725	61.89	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	236257	90.98	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	778970	66.55	ng	0.00
79) Terphenyl-d14	19.93	244	1119117	71.23	ng	0.00

Target Compounds

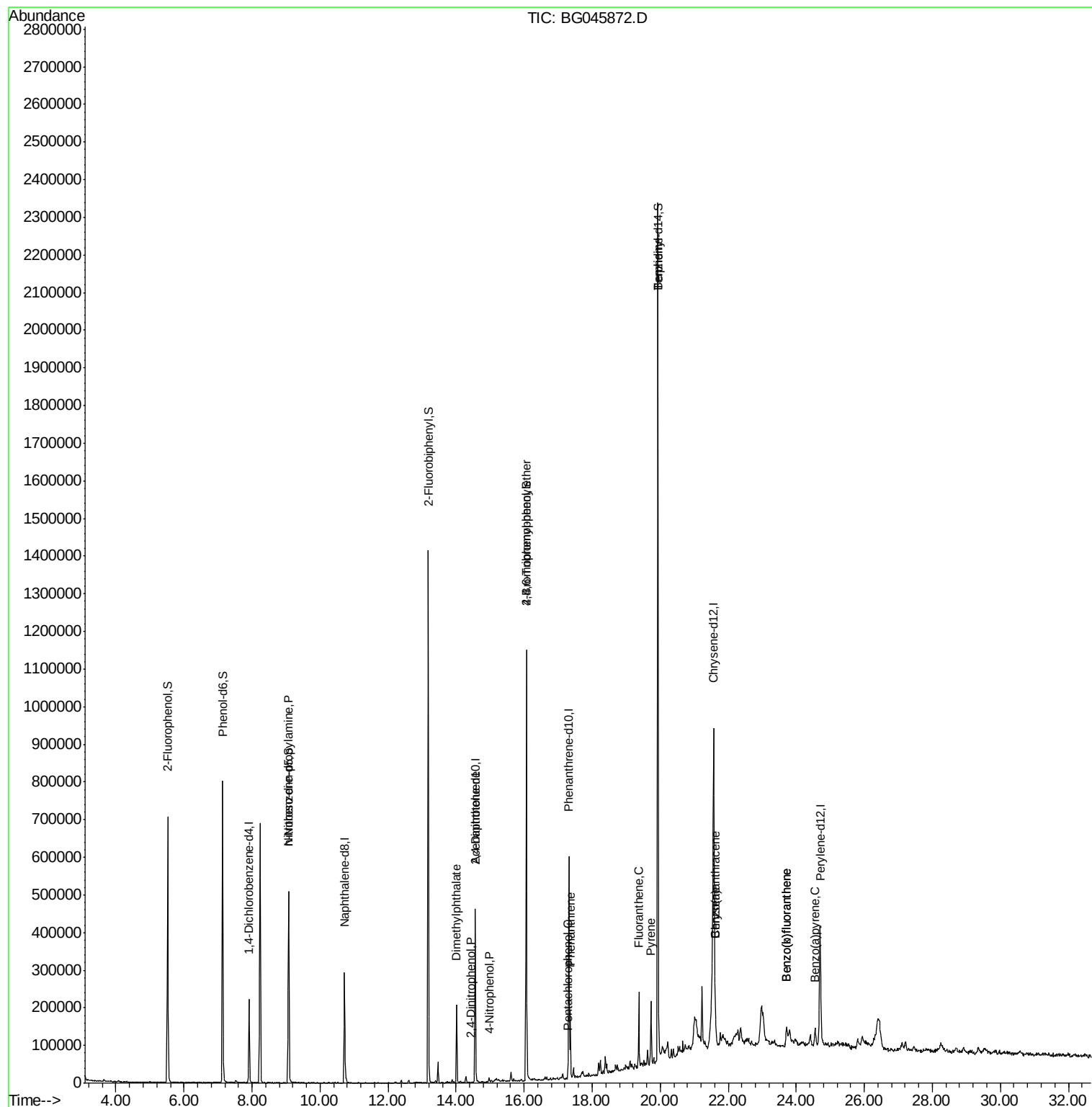
						Qvalue
19) n-Nitroso-di-n-propylamine	9.08	70	49034	12.915	ng	# 79
50) Dimethylphthalate	14.01	163	137810	10.227	ng	98
54) 2,4-Dinitrophenol	14.44	184	65	9.859	ng	# 17
56) 4-Nitrophenol	14.97	139	1998	4.850	ng	# 8
57) 2,4-Dinitrotoluene	14.57	165	22106	5.098	ng	# 23
67) 4-Bromophenyl-phenylether	16.06	248	15785	3.243	ng	# 1
70) Pentachlorophenol	17.28	266	62	7.655	ng	# 17
71) Phenanthrene	17.36	178	109375	5.661	ng	99
75) Fluoranthene	19.37	202	119892	5.047	ng	99
77) Benzidine	19.93	184	20052	2.422	ng	# 81
78) Pyrene	19.73	202	112525	5.277	ng	97
81) Benzo(a)anthracene	21.61	228	46986	2.276	ng	97
83) Chrysene	21.61	228	46986	2.353	ng	97
88) Benzo(b)fluoranthene	23.71	252	55721	2.478	ng	93
89) Benzo(k)fluoranthene	23.71	252	55721	2.589	ng	# 92
90) Benzo(a)pyrene	24.56	252	44166	2.103	ng	97

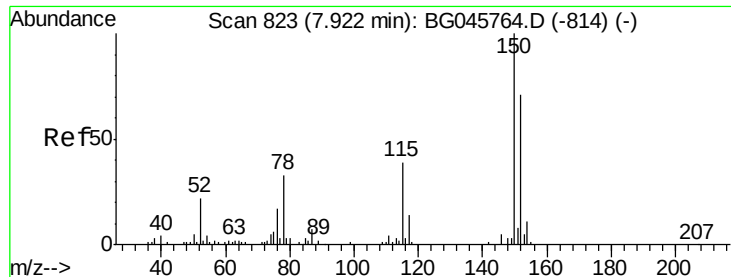
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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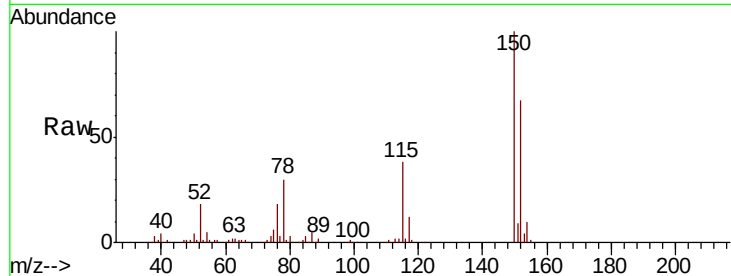


#1

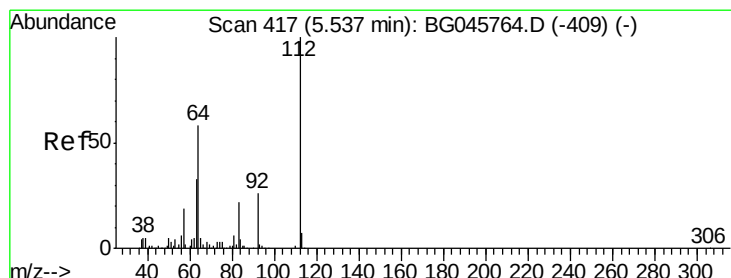
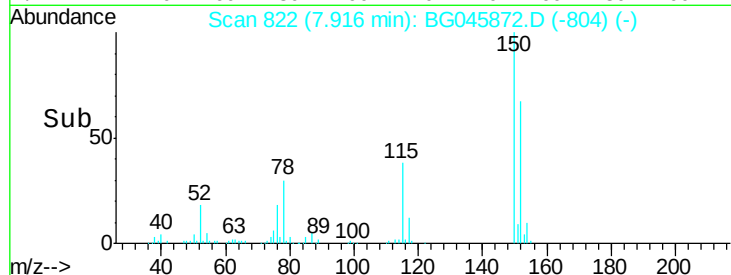
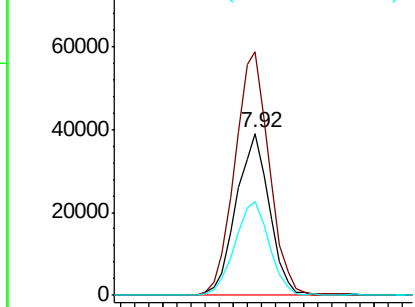
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. 0.01 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Instrument :
BNA_G
ClientSampleId :
BRENNAN-FL-001

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	113.1	169.7
115	57.6	43.8	65.6



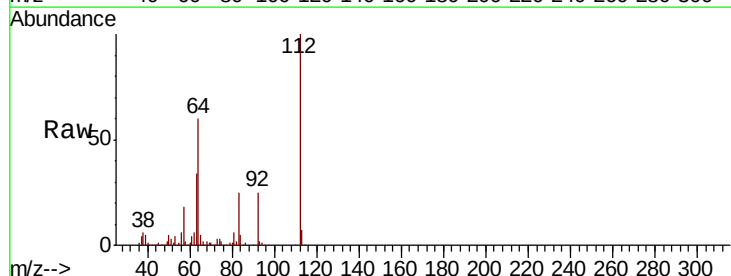
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



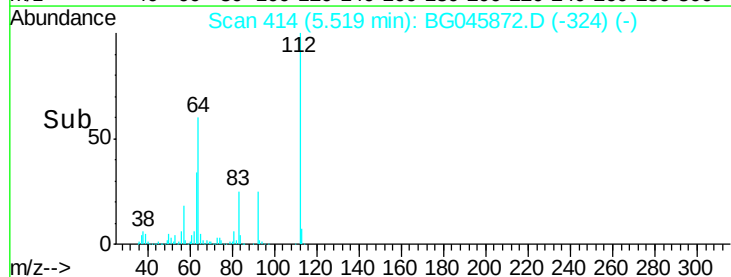
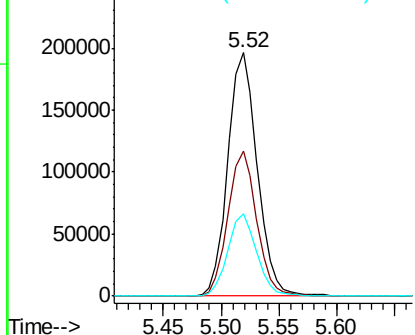
#5

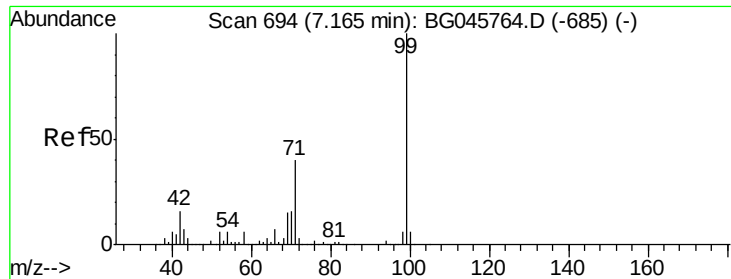
2-Fluorophenol
Concen: 91.364 ng
RT: 5.52 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.6	69.8
63	33.8	26.3	39.5



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: 88.723 ng

RT: 7.13 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

Instrument :

BNA_G

ClientSampleId :

BRENNAN-FL-001

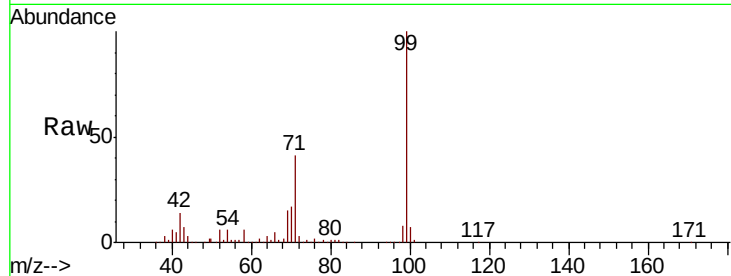
Tot Ion: 99 Resp: 512373

Ion Ratio Lower Upper

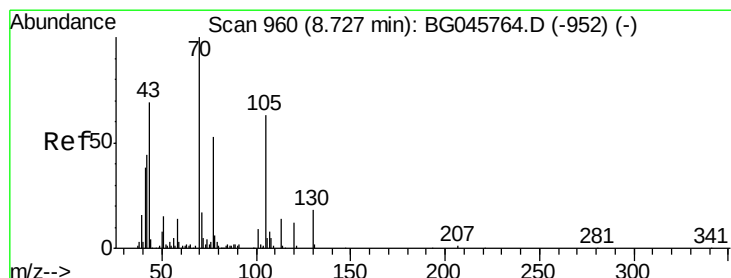
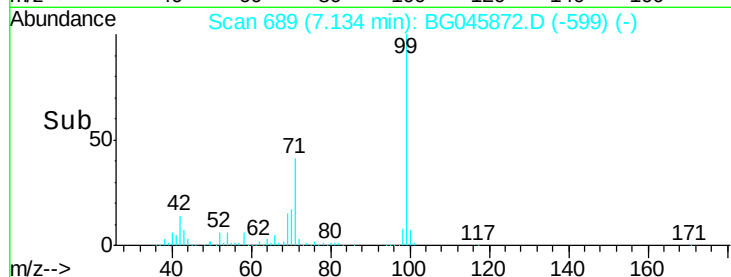
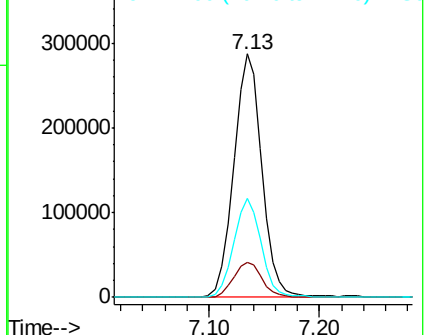
99 100

42 14.2 12.4 18.6

71 40.5 32.1 48.1



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: 12.915 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

Tgt Ion: 70 Resp: 49034

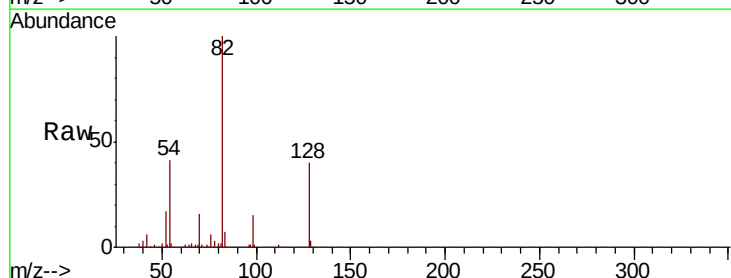
Ion Ratio Lower Upper

70 100

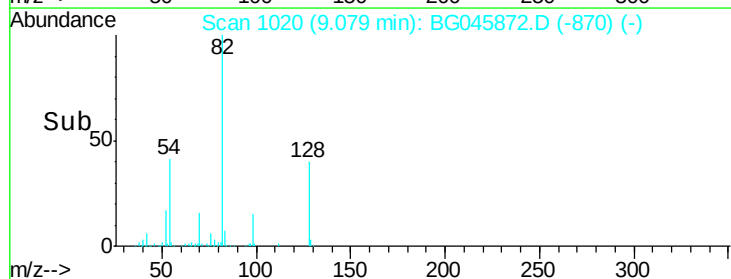
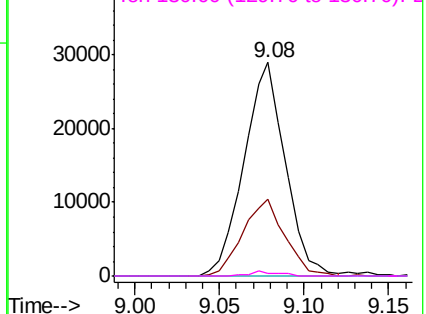
42 35.8 35.1 52.7

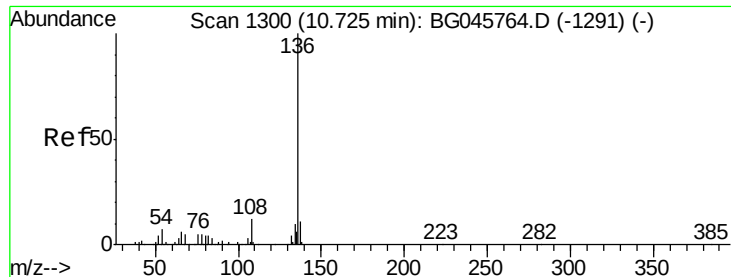
101 0.0 7.4 11.0#

130 1.5 14.6 21.8#



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

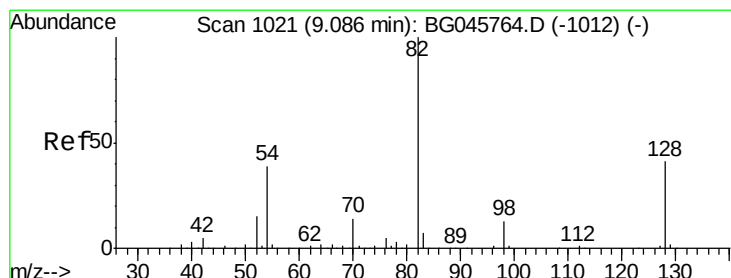
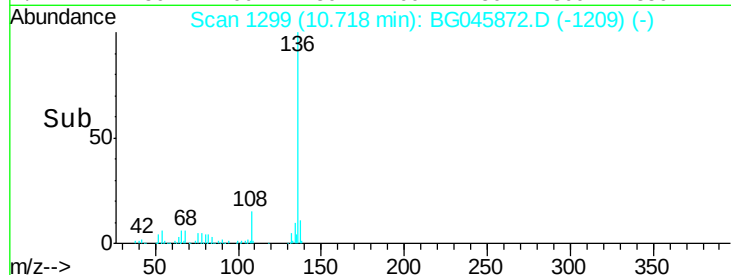
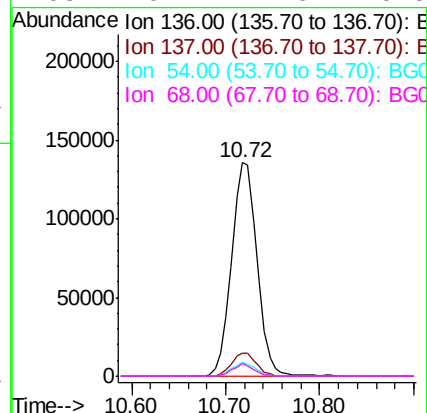
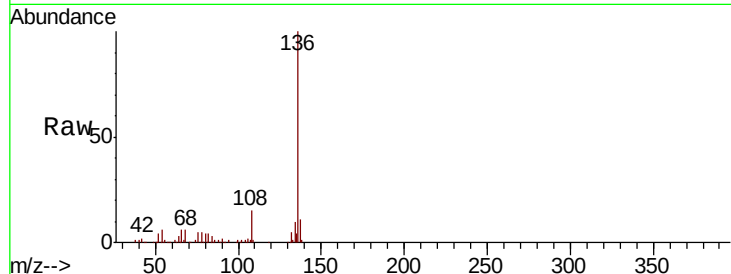




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

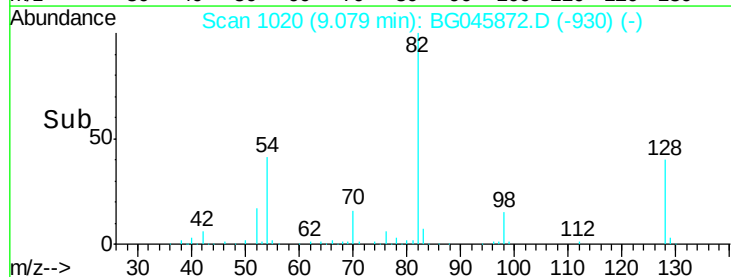
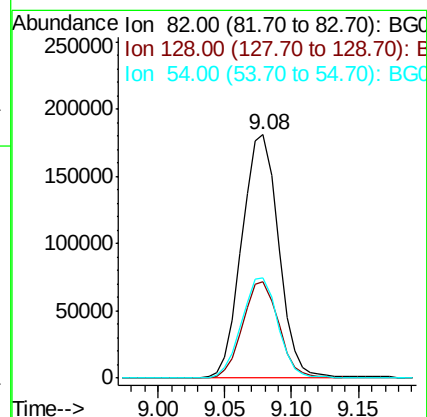
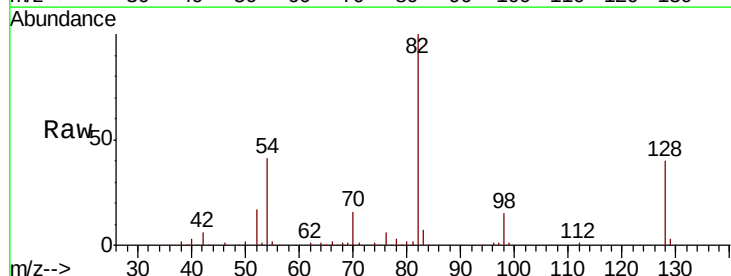
Instrument :
BNA_G
ClientSampleId :
BRENNAN-FL-001

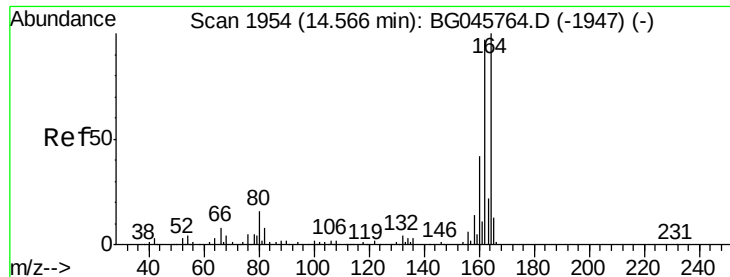
Tot Ion:	136	Resp:	255188
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.5	5.8	8.6
68	6.2	4.0	6.0#



#23
Nitrobenzene-d5
Concen: 61.891 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Tgt Ion:	82	Resp:	345725
Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.5	48.7
54	41.0	31.2	46.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

Instrument :

BNA_G

ClientSampleId :

BRENNAN-FL-001

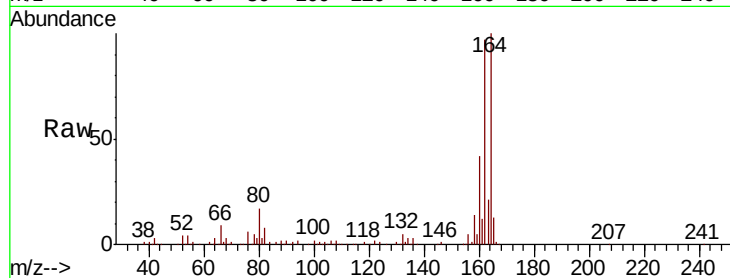
Tot Ion:164 Resp: 172002

Ion Ratio Lower Upper

164 100

162 96.5 77.4 116.0

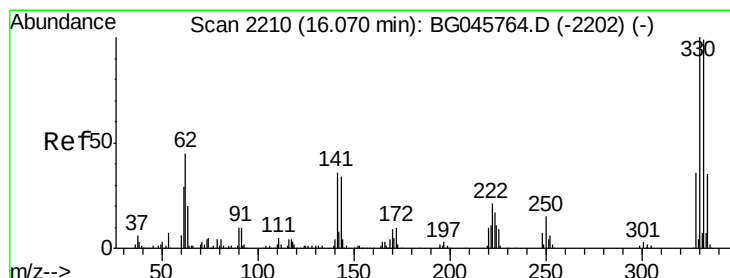
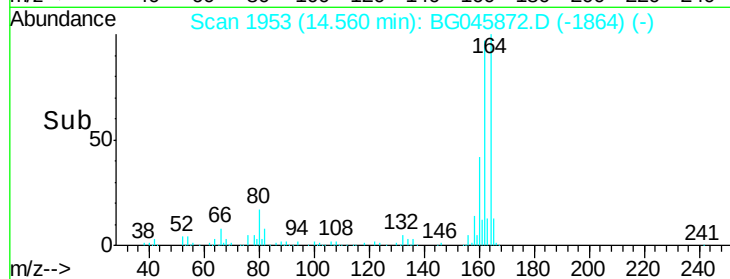
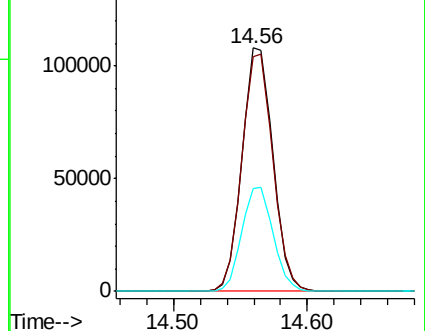
160 42.1 33.3 49.9



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: 90.981 ng

RT: 16.06 min Scan# 2209

Delta R.T. 0.00 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

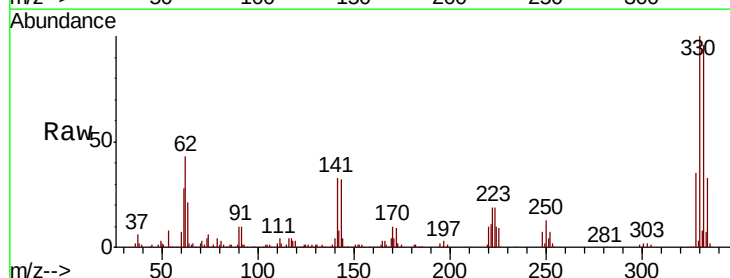
Tgt Ion:330 Resp: 236257

Ion Ratio Lower Upper

330 100

332 95.9 78.6 117.8

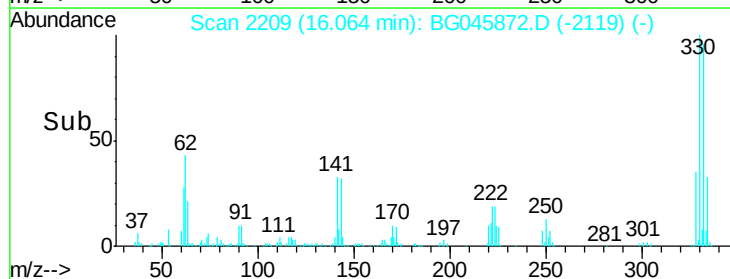
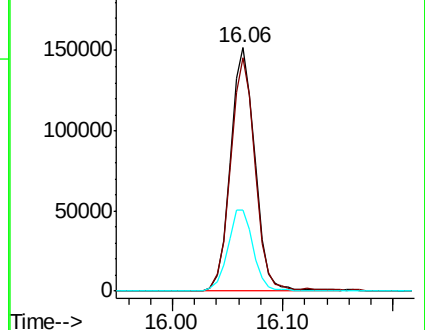
141 34.4 28.2 42.4

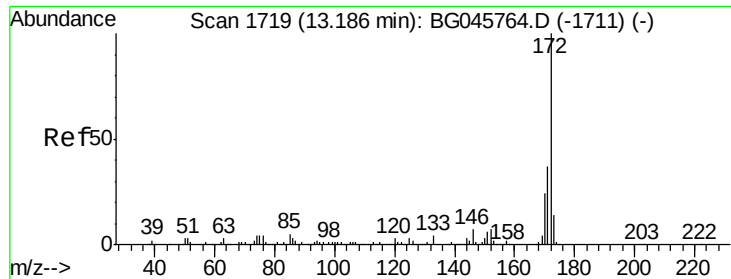


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

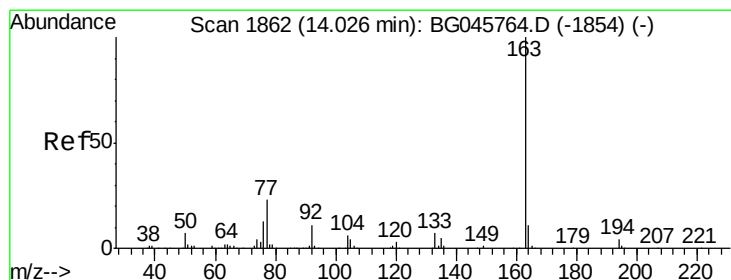
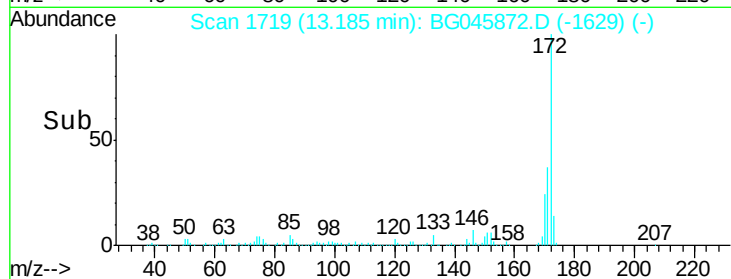
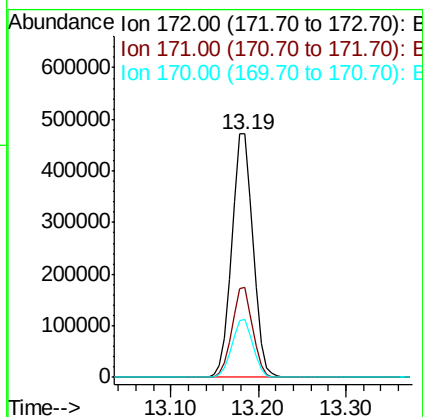
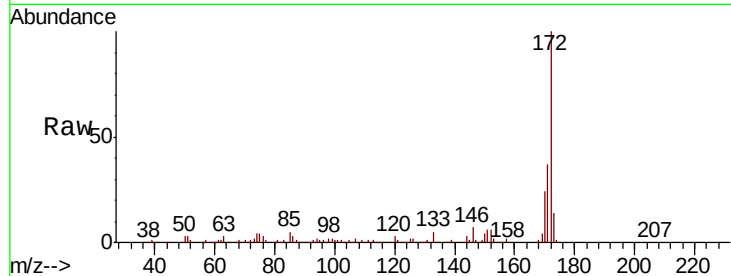




#45
2-Fluorobiphenyl
Concen: 66.554 ng
RT: 13.19 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

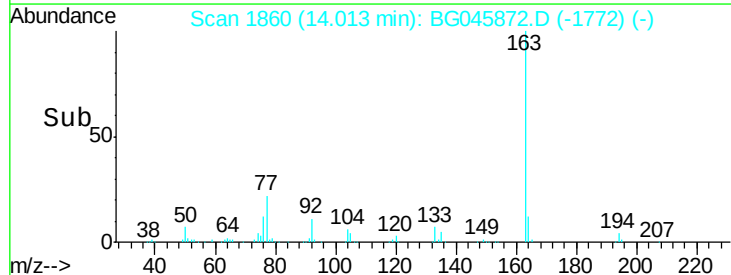
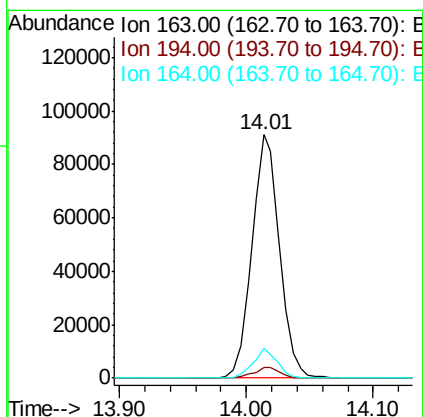
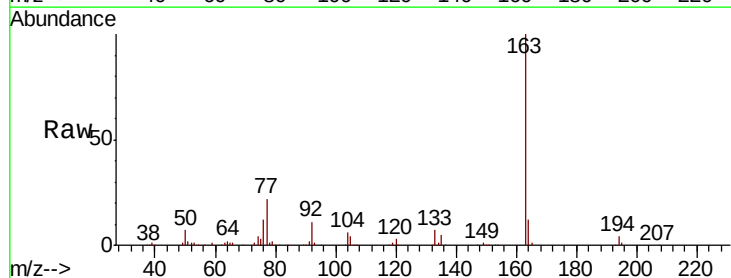
Instrument :
BNA_G
ClientSampleId :
BRENNAN-FL-001

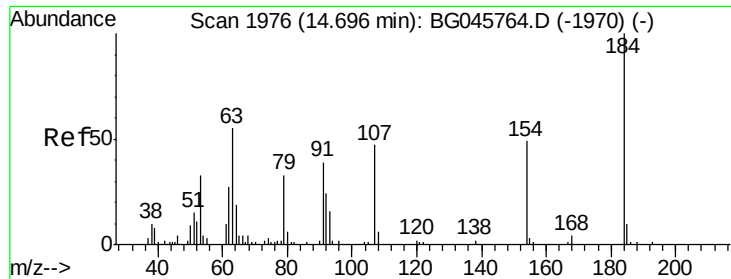
Tot Ion:172 Resp: 778970
Ion Ratio Lower Upper
172 100
171 37.1 29.9 44.9
170 23.7 19.3 28.9



#50
Dimethylphthalate
Concen: 10.227 ng
RT: 14.01 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Tgt Ion:163 Resp: 137810
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 12.0 8.9 13.3

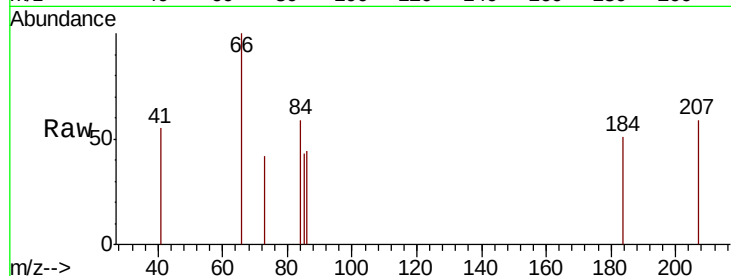




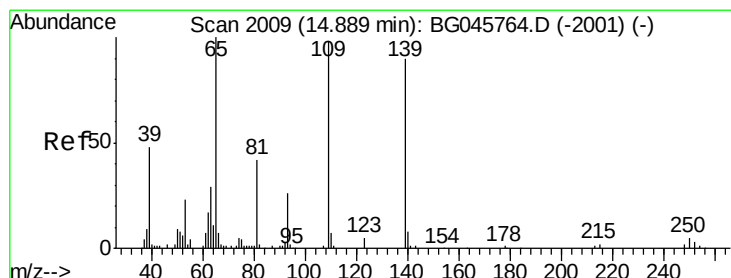
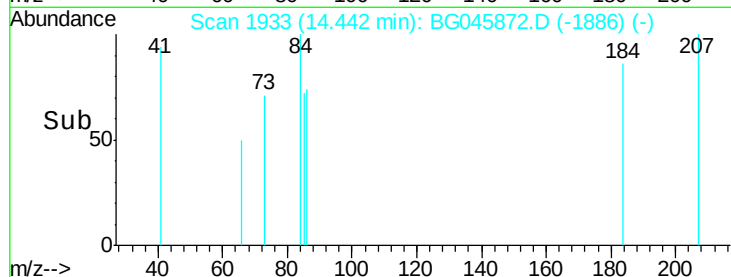
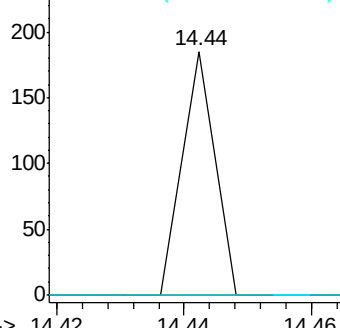
#54
 2,4-Dinitrophenol
 Concen: 9.859 ng
 RT: 14.44 min Scan# 1933
 Delta R.T. -0.25 min
 Lab File: BG045872.D
 Acq: 26 Jun 2020 14:02

Instrument :
 BNA_G
 ClientSampleId :
 BRENNAN-FL-001

Tot Ion:184 Resp: 65
 Ion Ratio Lower Upper
 184 100
 63 0.0 46.6 70.0#
 154 0.0 58.6 87.8#

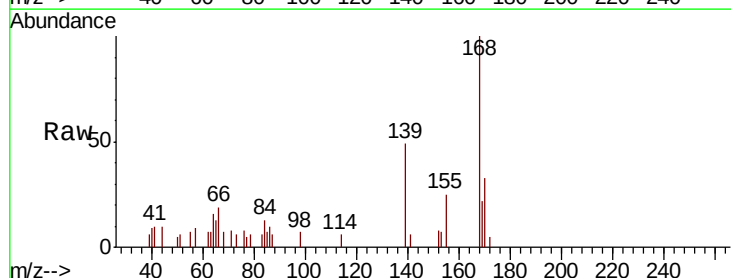


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

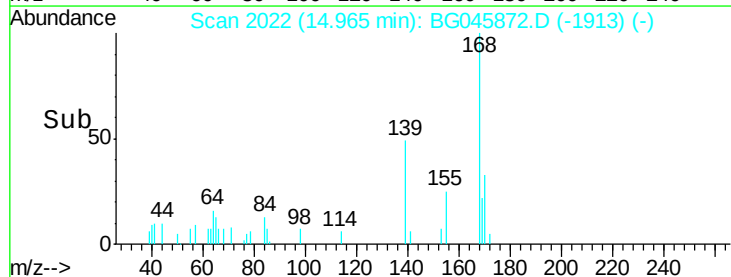
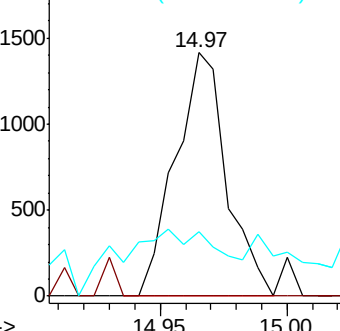


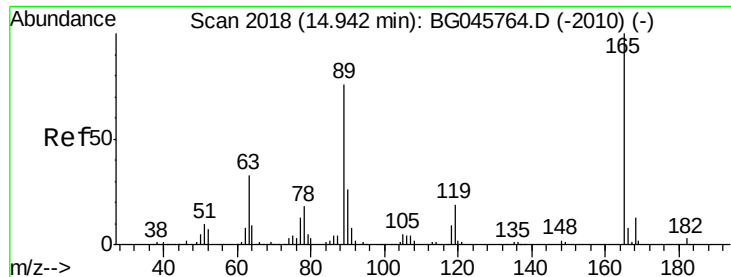
#56
 4-Nitrophenol
 Concen: 4.850 ng
 RT: 14.97 min Scan# 2022
 Delta R.T. 0.11 min
 Lab File: BG045872.D
 Acq: 26 Jun 2020 14:02

Tgt Ion:139 Resp: 1998
 Ion Ratio Lower Upper
 139 100
 109 0.0 88.9 128.9#
 65 26.3 92.3 132.3#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BG

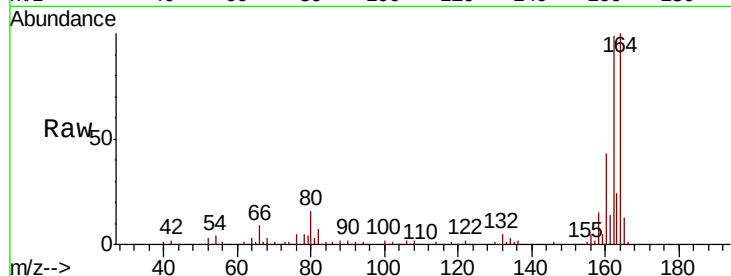




#57
2,4-Dinitrotoluene
Concen: 5.098 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.37 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Instrument :
BNA_G
ClientSampleId :
BRENNAN-FL-001

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.8	50.8#
89	1.9	60.4	90.6#
182	0.0	2.6	3.8#



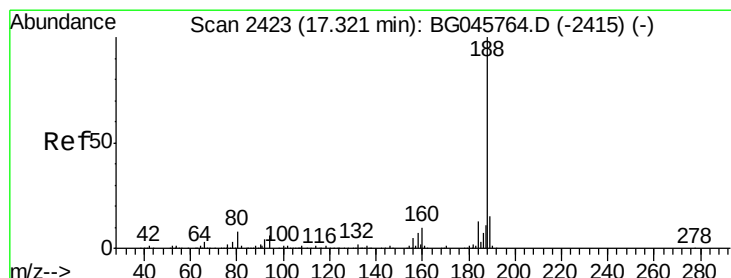
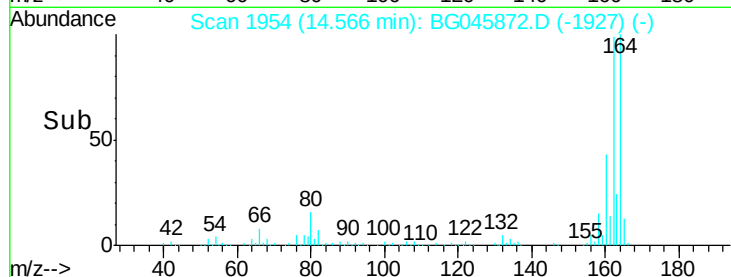
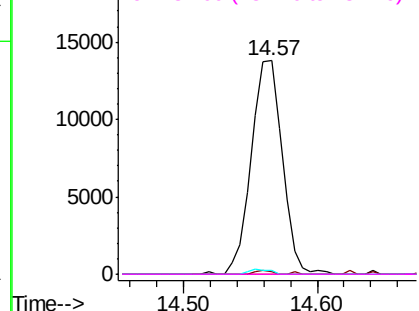
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

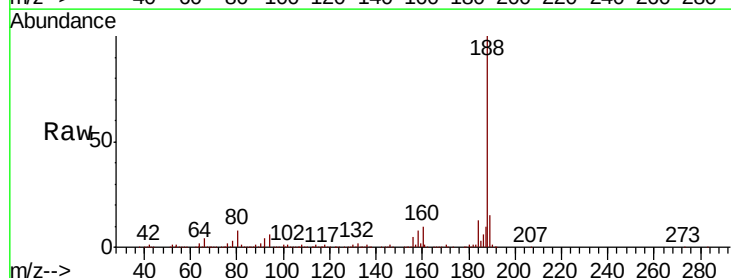
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.1	7.7
80	7.6	6.2	9.4

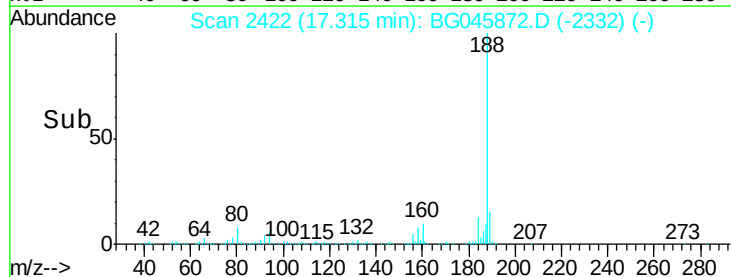
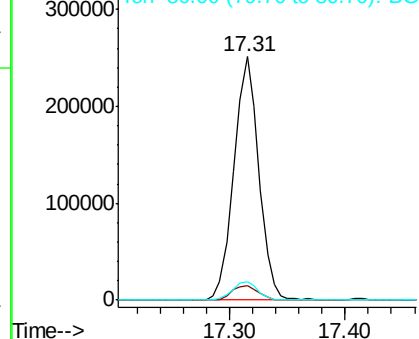


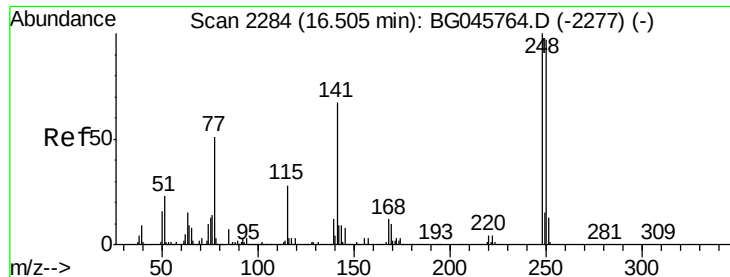
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

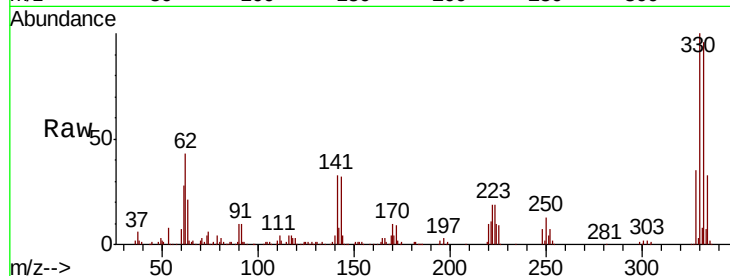




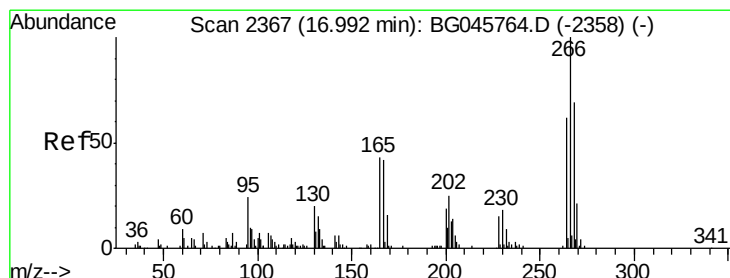
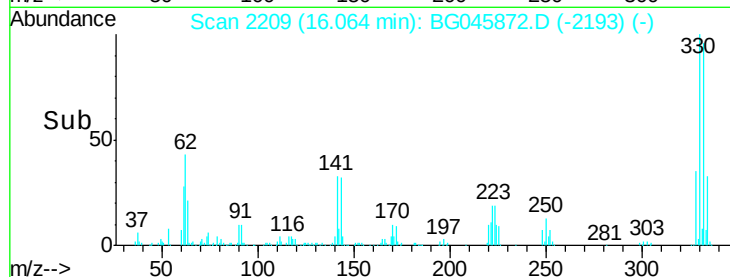
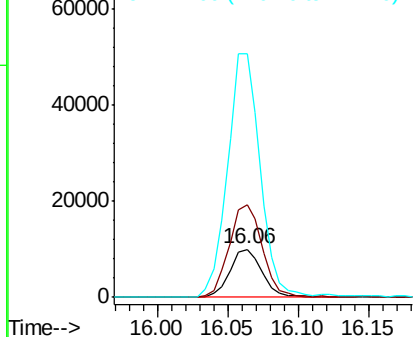
#67
4-Bromophenyl-phenylether
Concen: 3.243 ng
RT: 16.06 min Scan# 2209
Delta R.T. -0.43 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Instrument :
BNA_G
ClientSampleId :
BRENNAN-FL-001

Tot Ion:248 Resp: 15785
Ion Ratio Lower Upper
248 100
250 193.6 78.0 117.0#
141 508.2 53.9 80.9#

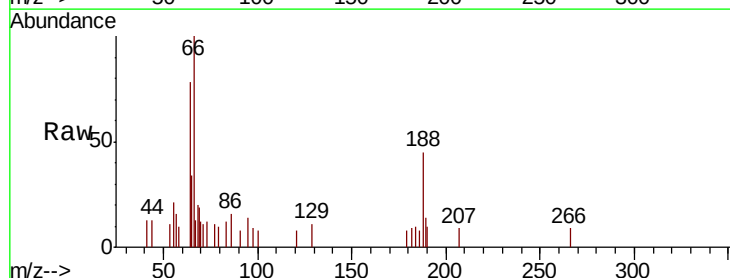


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

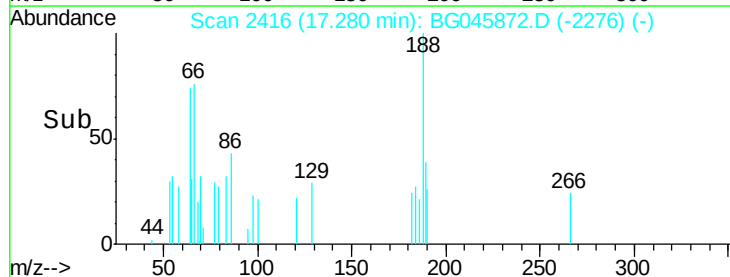
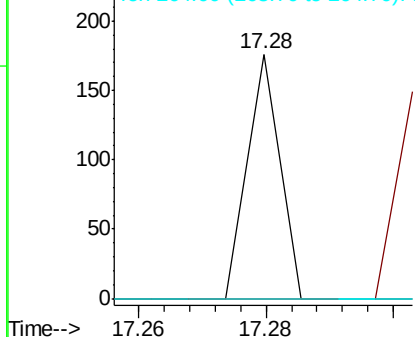


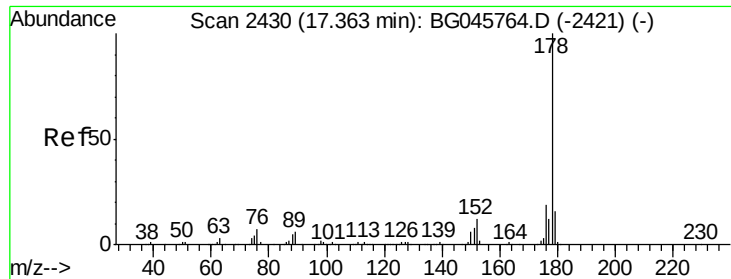
#70
Pentachlorophenol
Concen: 7.655 ng
RT: 17.28 min Scan# 2416
Delta R.T. 0.29 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Tgt Ion:266 Resp: 62
Ion Ratio Lower Upper
266 100
268 0.0 55.4 83.0#
264 0.0 49.8 74.6#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 5.661 ng

RT: 17.36 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

Instrument :

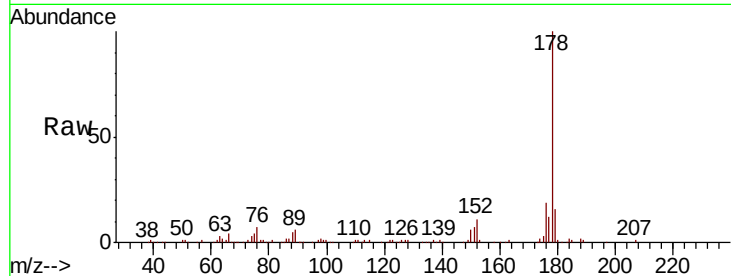
BNA_G

ClientSampleId :

BRENNAN-FL-001

Tot Ion:178 Resp: 109375

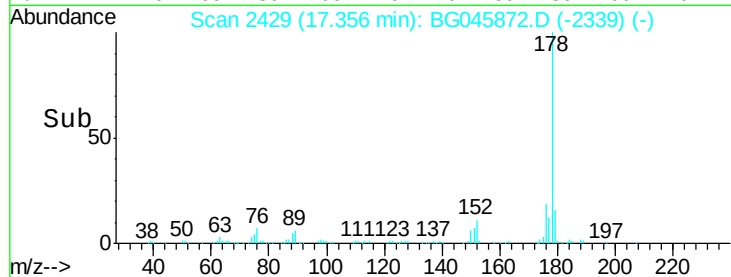
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.5	13.2	19.8



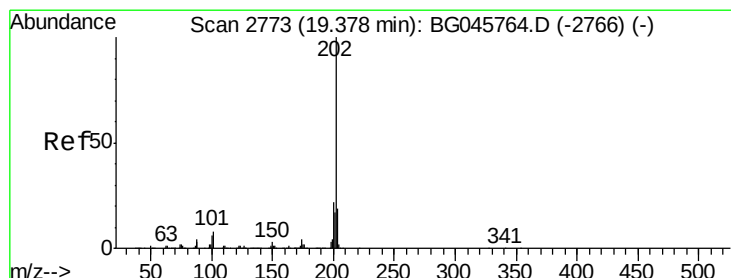
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 5.047 ng

RT: 19.37 min Scan# 2772

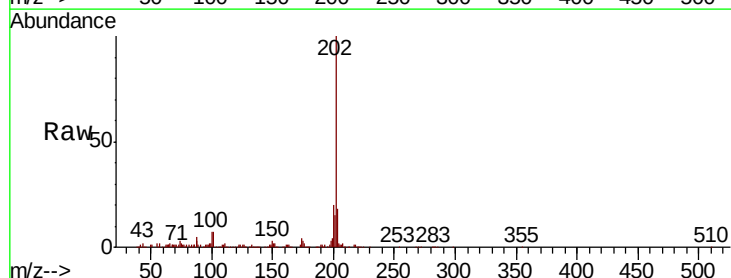
Delta R.T. 0.00 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

Tgt Ion:202 Resp: 119892

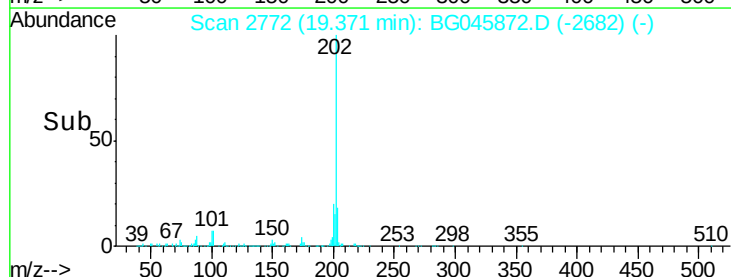
Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	27.7
203	18.3	0.0	38.7



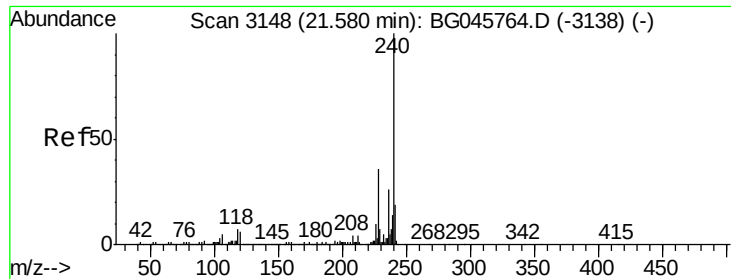
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



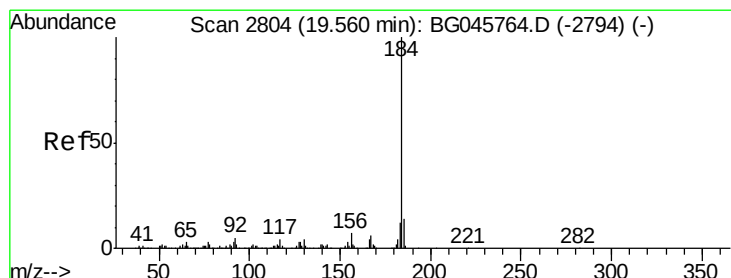
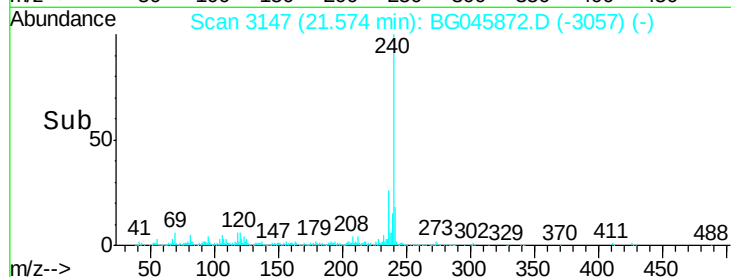
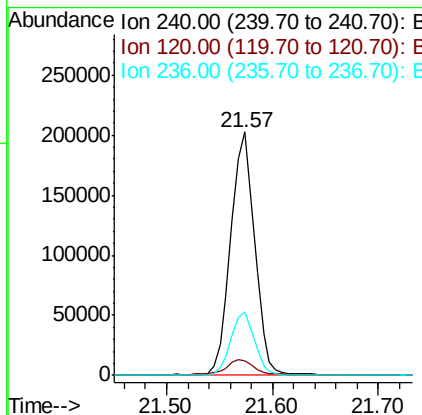
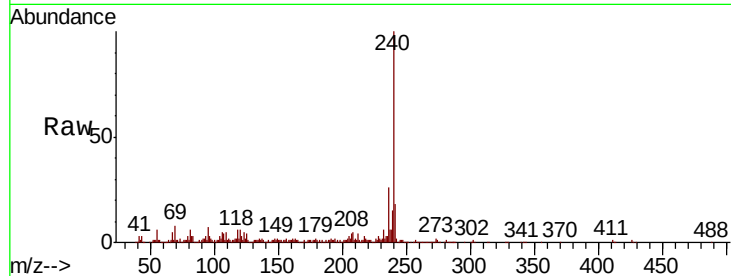
Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3147
Delta R.T. 0.00 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

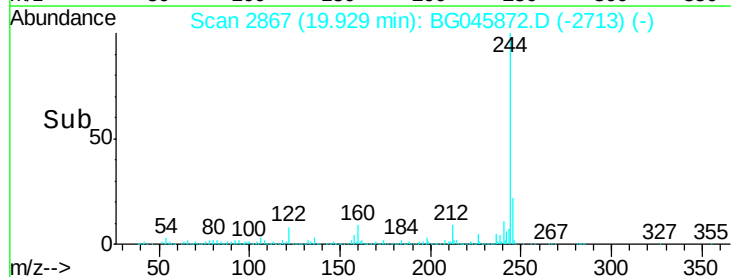
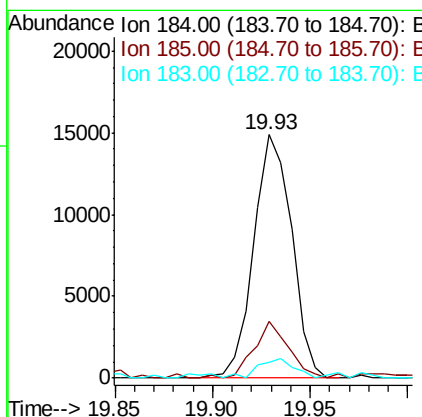
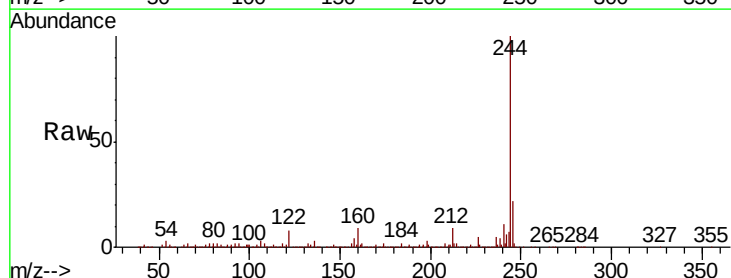
Instrument :
BNA_G
ClientSampleId :
BRENNAN-FL-001

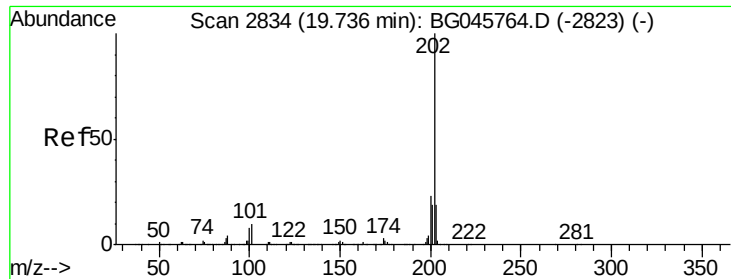
Tot Ion:240 Resp: 318408
Ion Ratio Lower Upper
240 100
120 6.0 5.0 7.4
236 26.1 20.6 30.8



#77
Benzidine
Concen: 2.422 ng
RT: 19.93 min Scan# 2867
Delta R.T. 0.38 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Tgt Ion:184 Resp: 20052
Ion Ratio Lower Upper
184 100
185 23.3 11.1 16.7#
183 6.4 9.7 14.5#

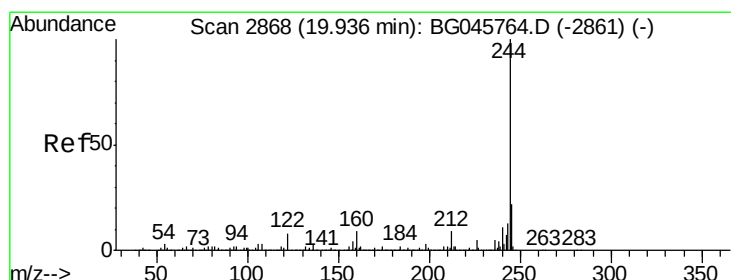
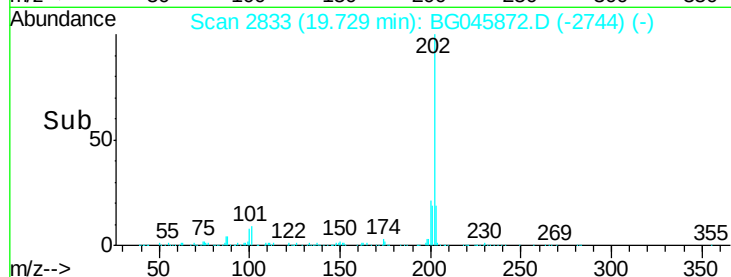
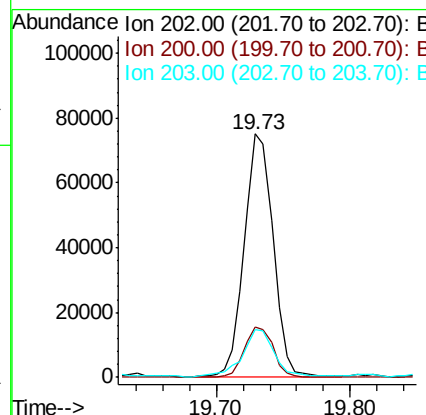
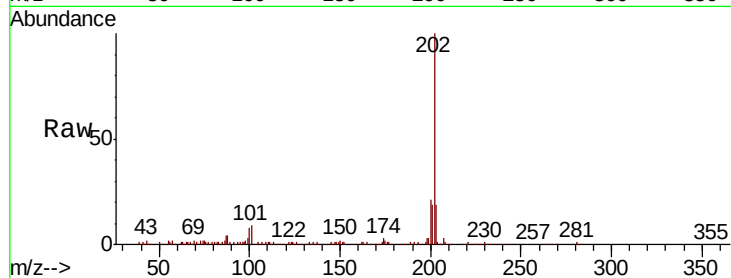




#78
Pvrene
Concen: 5.277 ng
RT: 19.73 min Scan# 2833
Delta R.T. -0.01 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

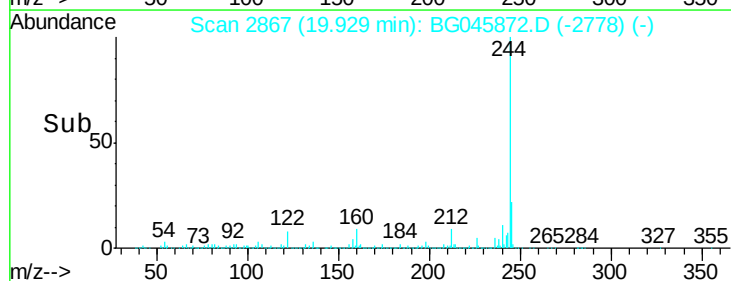
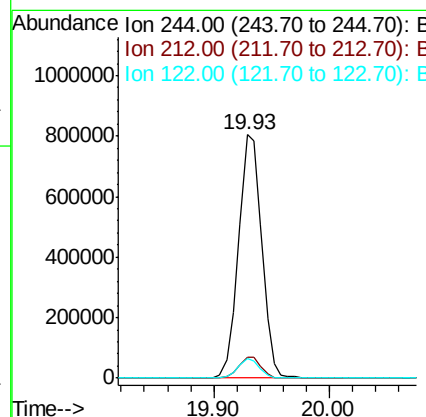
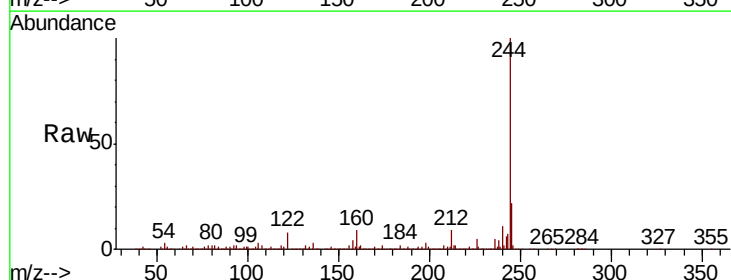
Instrument :
BNA_G
ClientSampleId :
BRENNAN-FL-001

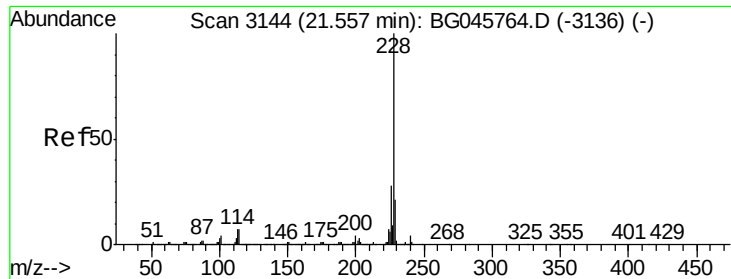
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.2	27.2
203	19.4	14.8	22.2



#79
Terphenyl-d14
Concen: 71.229 ng
RT: 19.93 min Scan# 2867
Delta R.T. -0.01 min
Lab File: BG045872.D
Acq: 26 Jun 2020 14:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.2	10.8
122	8.0	6.4	9.6





#81

Benzo(a)anthracene

Concen: 2.276 ng

RT: 21.61 min Scan# 3154

Delta R.T. 0.06 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

Instrument :

BNA_G

ClientSampleId :

BRENNAN-FL-001

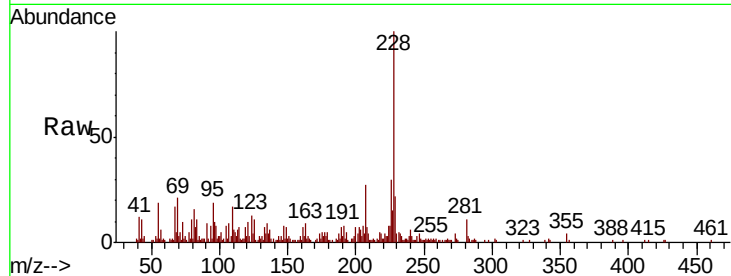
Tot Ion:228 Resp: 46986

Ion Ratio Lower Upper

228 100

226 29.6 22.7 34.1

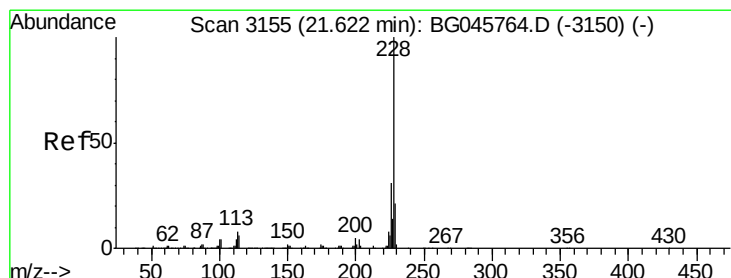
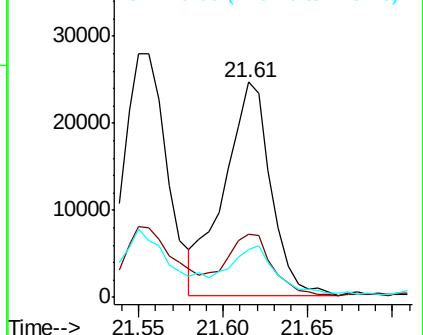
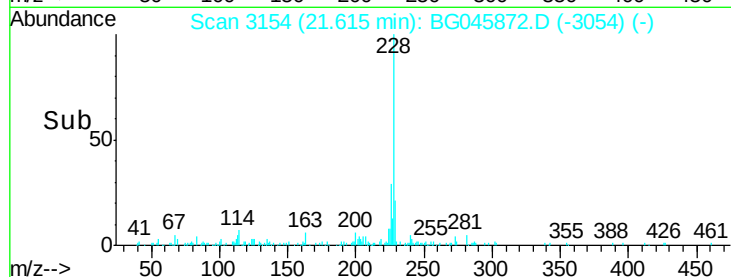
229 22.0 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.353 ng

RT: 21.61 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

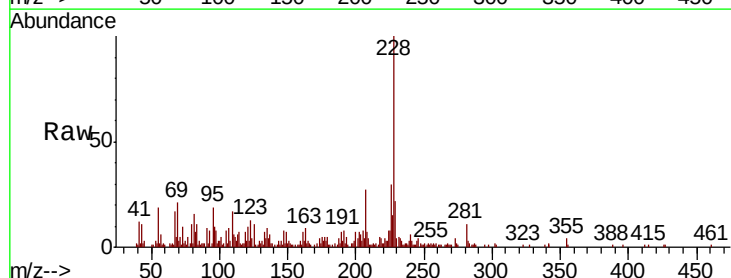
Tgt Ion:228 Resp: 46986

Ion Ratio Lower Upper

228 100

226 29.6 25.1 37.7

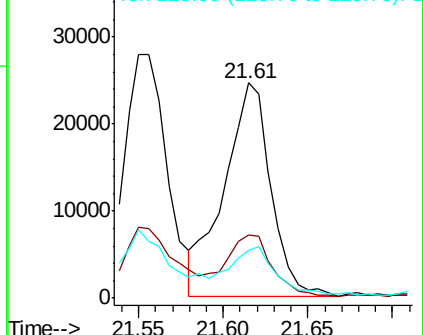
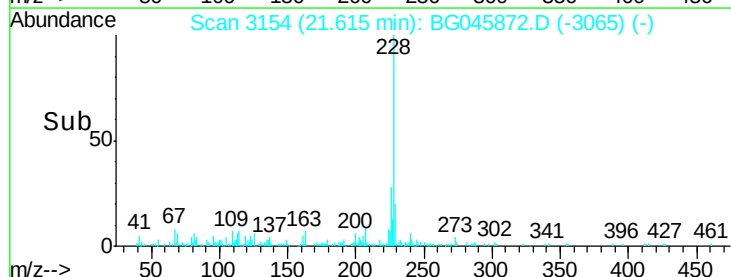
229 22.0 16.4 24.6

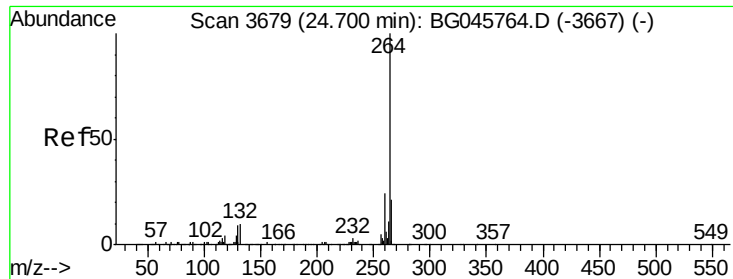


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3680

Delta R.T. 0.01 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

Instrument :

BNA_G

ClientSampleId :

BRENNAN-FL-001

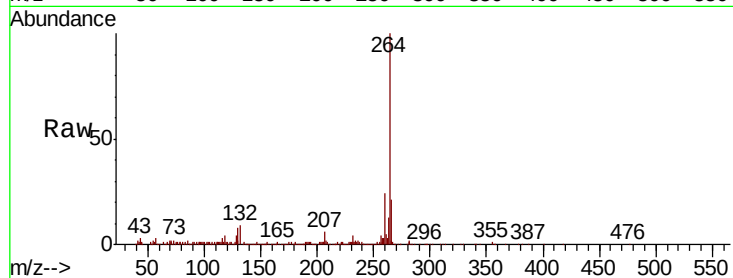
Tot Ion:264 Resp: 358622

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

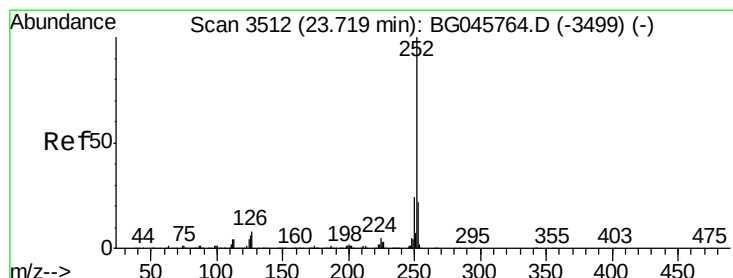
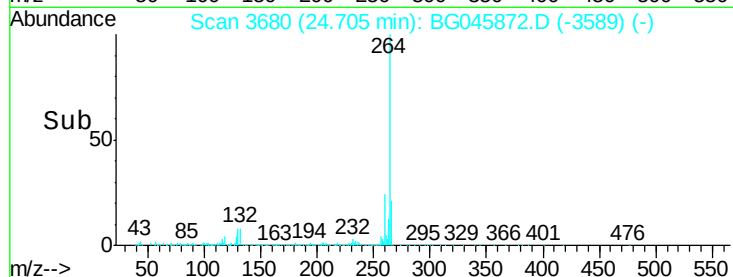
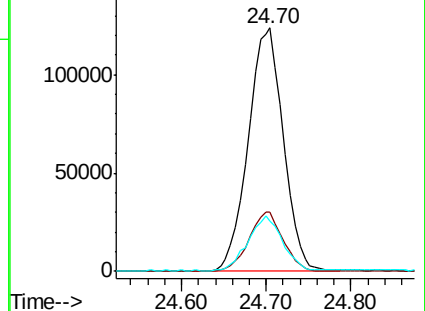
265 20.8 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 2.478 ng

RT: 23.71 min Scan# 3511

Delta R.T. -0.01 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

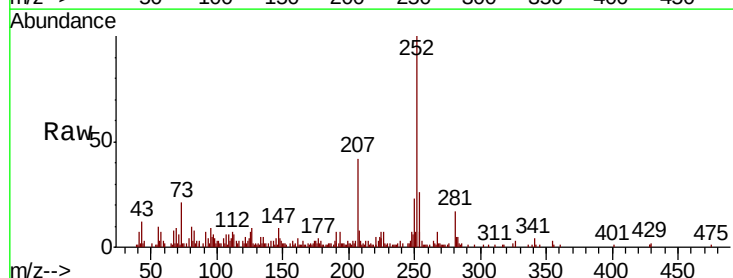
Tgt Ion:252 Resp: 55721

Ion Ratio Lower Upper

252 100

253 26.0 17.4 26.0

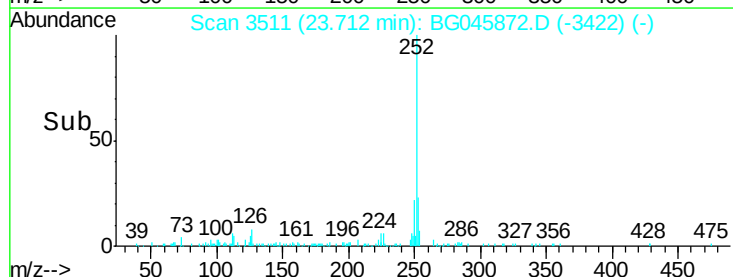
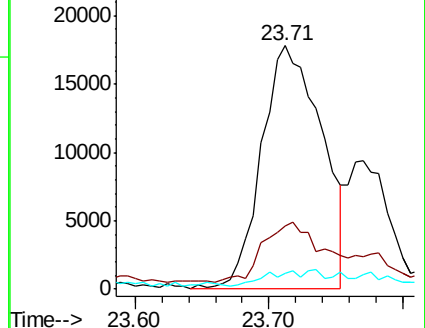
125 6.7 5.0 7.4

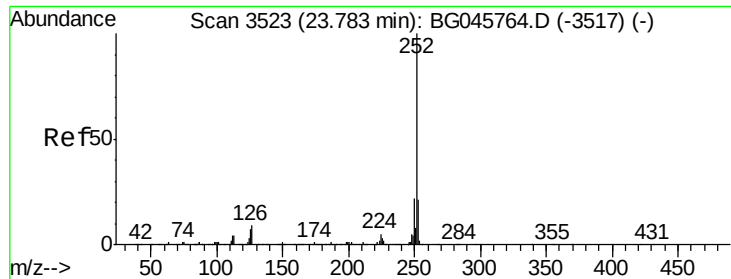


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.589 ng

RT: 23.71 min Scan# 3511

Delta R.T. -0.07 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

Instrument :

BNA_G

ClientSampleId :

BRENNAN-FL-001

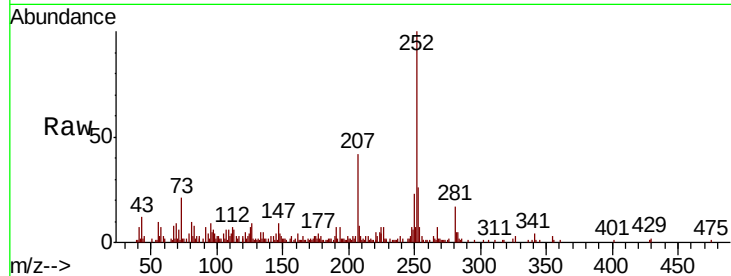
Tot Ion:252 Resp: 55721

Ion Ratio Lower Upper

252 100

253 26.0 17.2 25.8#

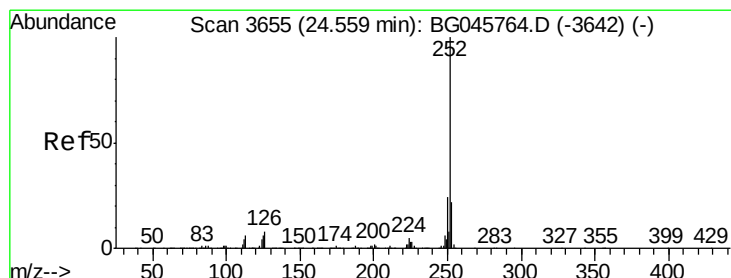
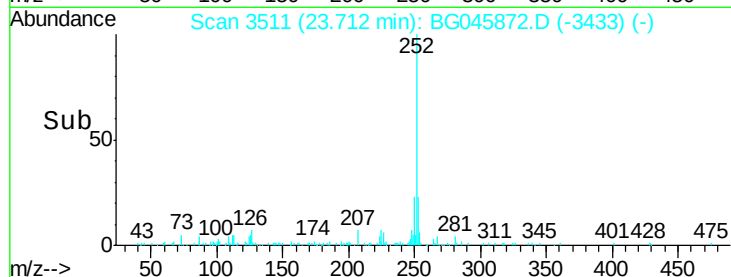
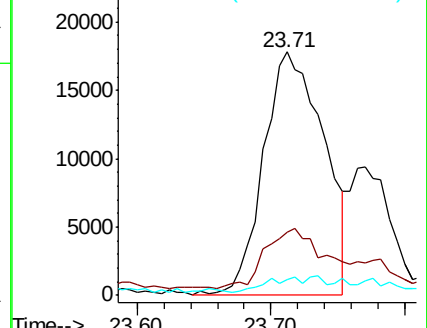
125 6.7 5.2 7.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 2.103 ng

RT: 24.56 min Scan# 3655

Delta R.T. 0.00 min

Lab File: BG045872.D

Acq: 26 Jun 2020 14:02

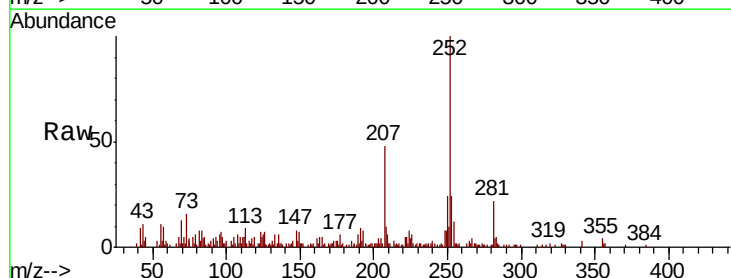
Tgt Ion:252 Resp: 44166

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 6.1 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

