

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
 Data File : BG045897.D
 Acq On : 30 Jun 2020 23:28
 Operator : CG/JU
 Sample : L2819-06RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-062620

Quant Time: Jul 01 00:32:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 16:34:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	67880	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	263263	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	175281	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	351678	20.00	ng	0.00
76) Chrysene-d12	21.56	240	312955	20.00	ng	0.00
86) Perylene-d12	24.67	264	326162	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	388075	96.57	ng	0.00
7) Phenol-d6	7.12	99	559332	91.51	ng	0.00
23) Nitrobenzene-d5	9.06	82	378382	65.66	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	225865	85.35	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	845573	70.89	ng	0.00
79) Terphenyl-d14	19.92	244	1124459	72.82	ng	0.00

Target Compounds

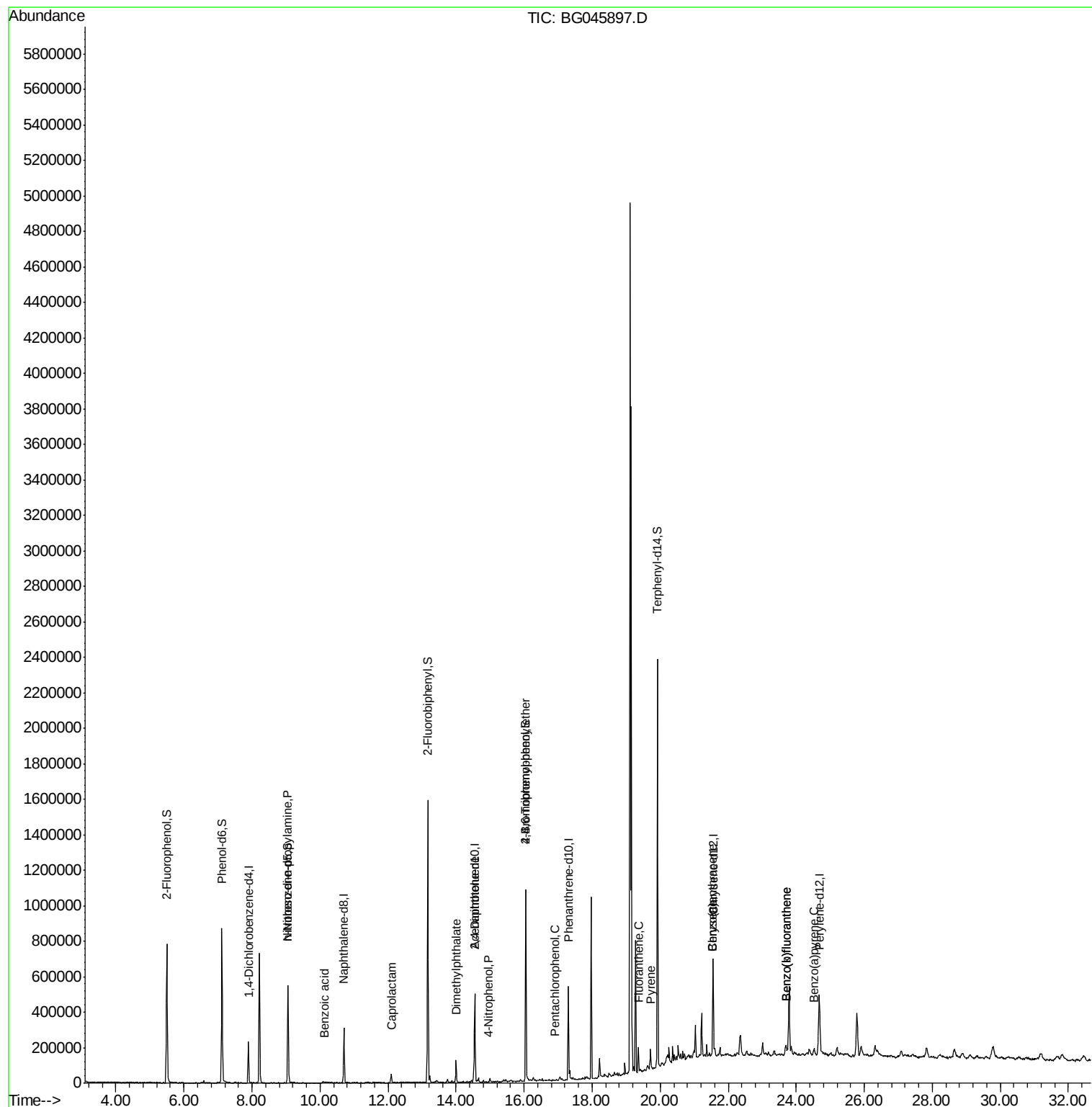
						Qvalue
19) n-Nitroso-di-n-propylamine	9.06	70	52186	12.987	ng	# 84
32) Benzoic acid	10.12	122	580	9.164	ng	91
35) Caprolactam	12.10	113	20246	13.721	ng	# 1
50) Dimethylphthalate	14.00	163	82617	6.017	ng	97
56) 4-Nitrophenol	14.95	139	314	4.108	ng	# 1
57) 2,4-Dinitrotoluene	14.55	165	23281	5.269	ng	# 22
67) 4-Bromophenyl-phenylether	16.05	248	14683	3.213	ng	# 1
70) Pentachlorophenol	16.89	266	68	7.659	ng	# 19
75) Fluoranthene	19.35	202	82873	3.716	ng	98
78) Pyrene	19.72	202	73292	3.497	ng	96
81) Benzo(a)anthracene	21.54	228	42469	2.093	ng	96
83) Chrysene	21.54	228	42469	2.164	ng	93
88) Benzo(b)fluoranthene	23.70	252	66109	3.233	ng	# 90
89) Benzo(k)fluoranthene	23.70	252	66109	3.378	ng	# 90
90) Benzo(a)pyrene	24.52	252	42683	2.234	ng	# 92

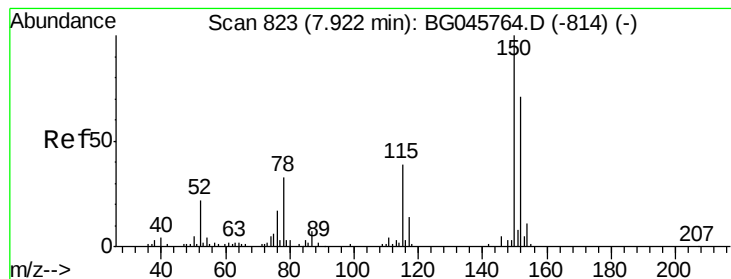
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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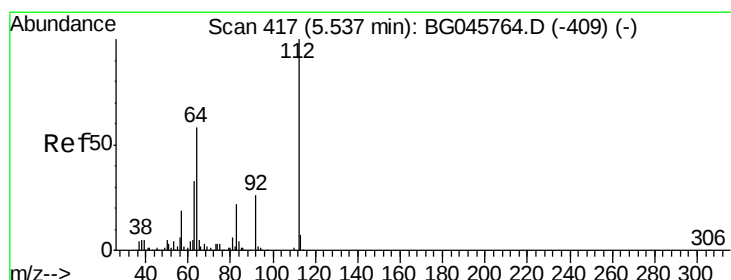
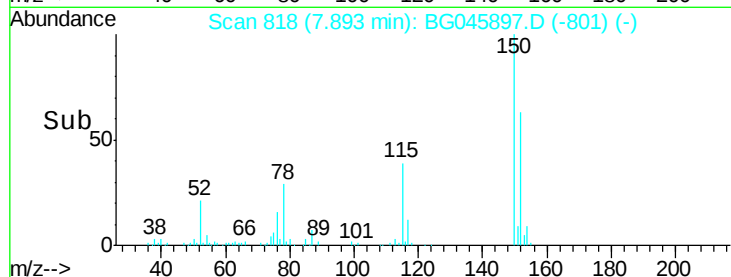
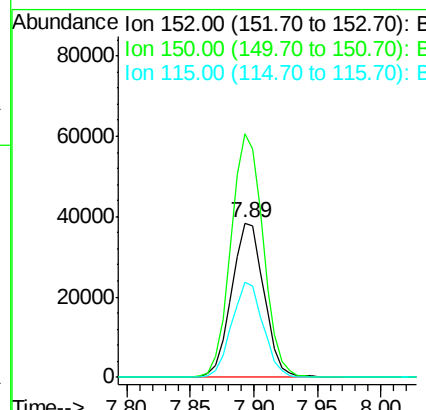
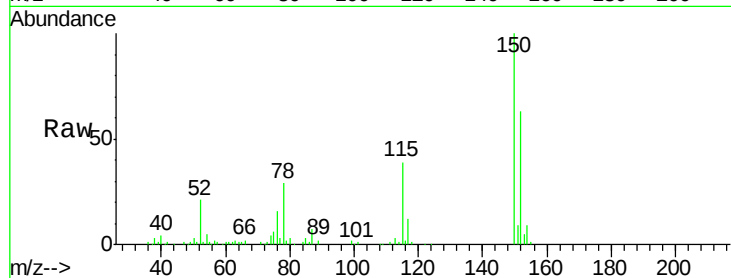


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 818
Delta R.T. -0.00 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

Instrument :
BNA_G
ClientSampleId :
BU-03-062620

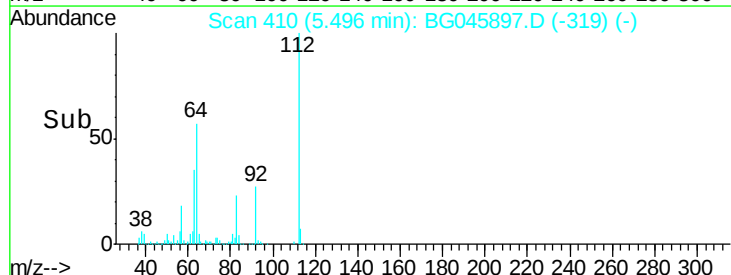
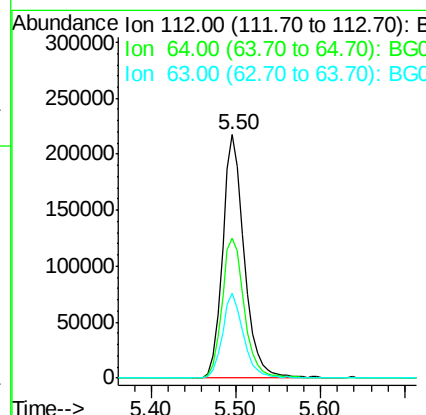
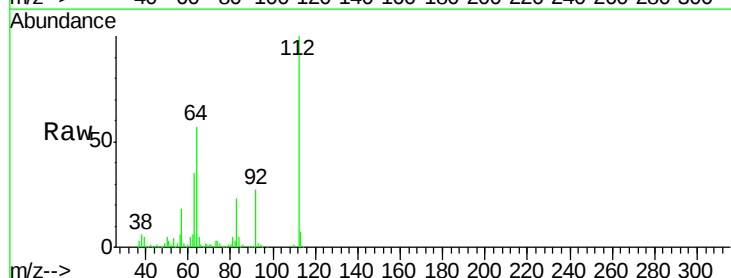
Tot Ion	152	Resp	67880
Ion	Ratio	Lower	Upper
152	100		
150	157.6	121.2	181.8
115	61.3	47.5	71.3

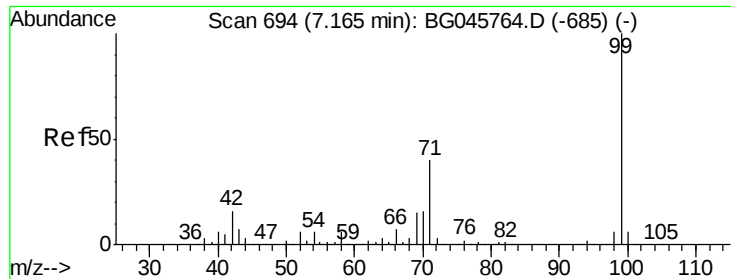


#5

2-Fluorophenol
Concen: 96.575 ng
RT: 5.50 min Scan# 410
Delta R.T. 0.00 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

Tgt Ion	112	Resp	388075
Ion	Ratio	Lower	Upper
112	100		
64	57.3	48.5	72.7
63	34.6	26.5	39.7





#7

Phenol-d6

Concen: 91.509 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.00 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Instrument :

BNA_G

ClientSampleId :

BU-03-062620

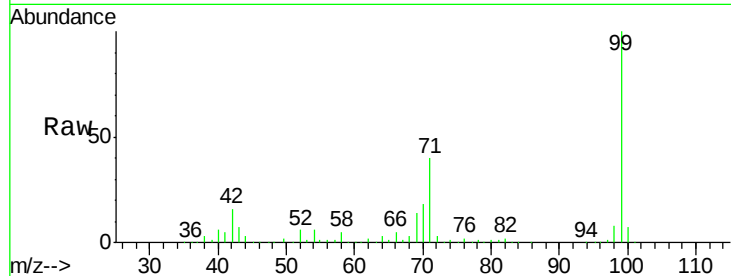
Tot Ion: 99 Resp: 559332

Ion Ratio Lower Upper

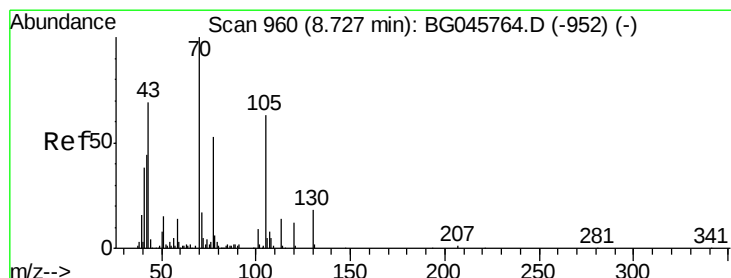
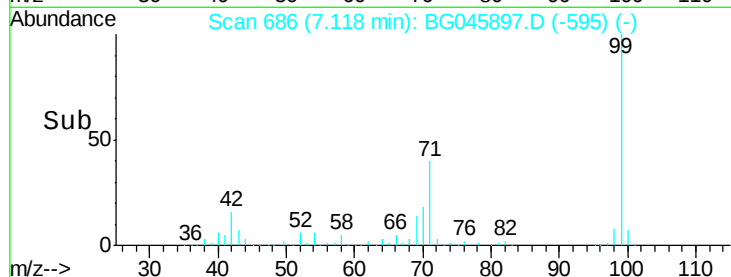
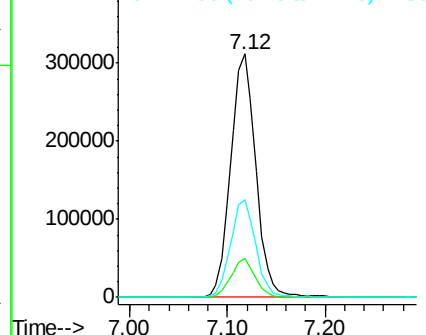
99 100

42 15.8 12.0 18.0

71 40.4 31.0 46.4



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: 12.987 ng

RT: 9.06 min Scan# 1017

Delta R.T. 0.36 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Tgt Ion: 70 Resp: 52186

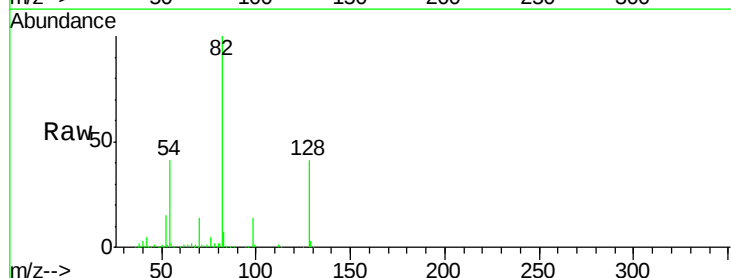
Ion Ratio Lower Upper

70 100

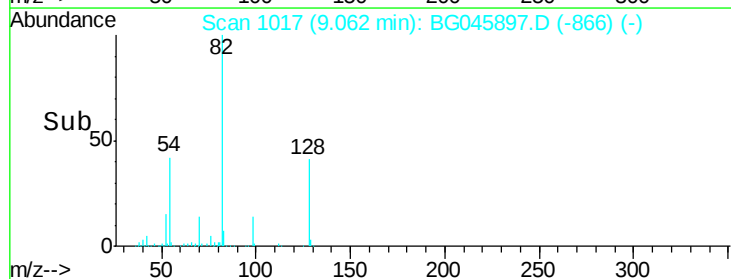
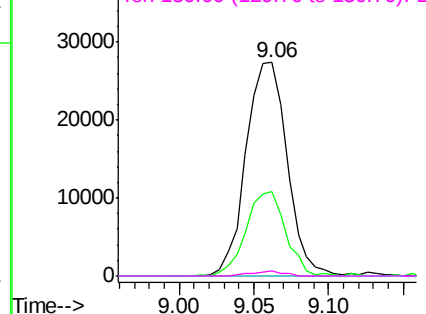
42 39.4 33.9 50.9

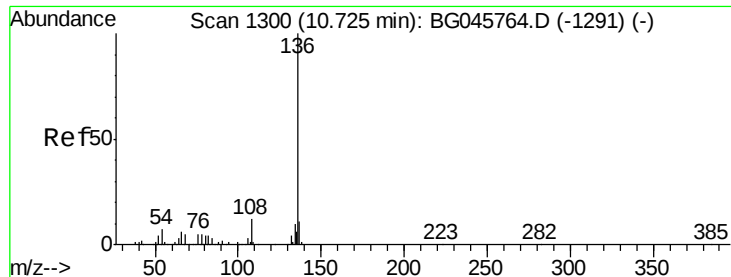
101 0.0 8.0 12.0#

130 2.5 14.9 22.3#



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

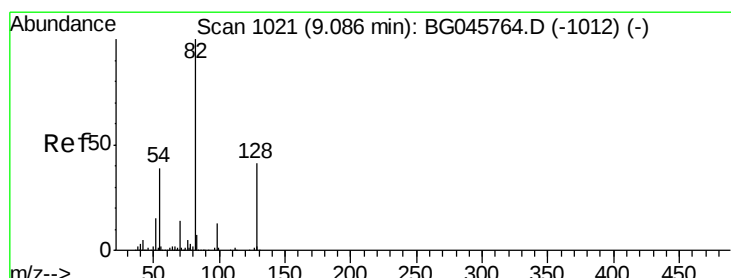
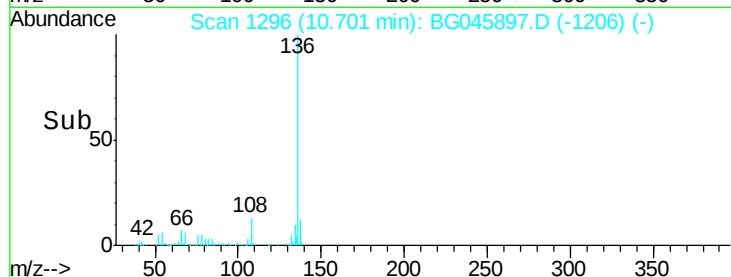
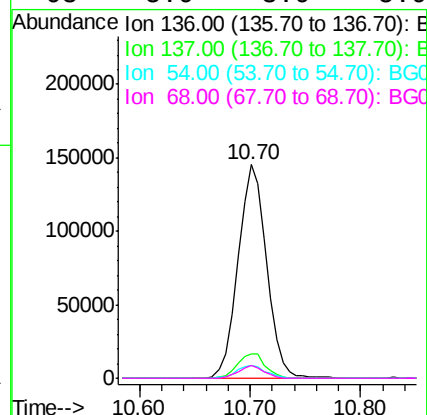
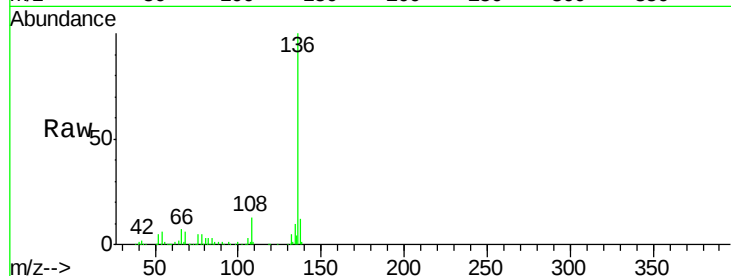




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

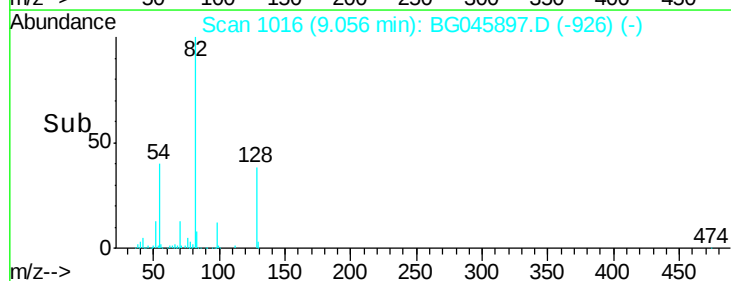
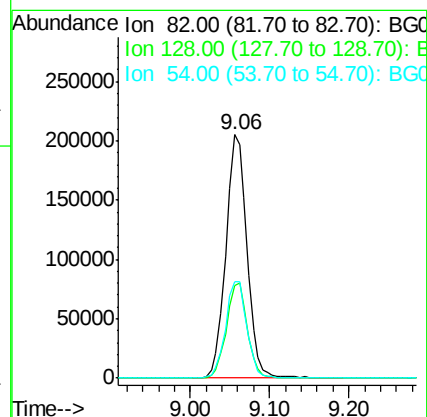
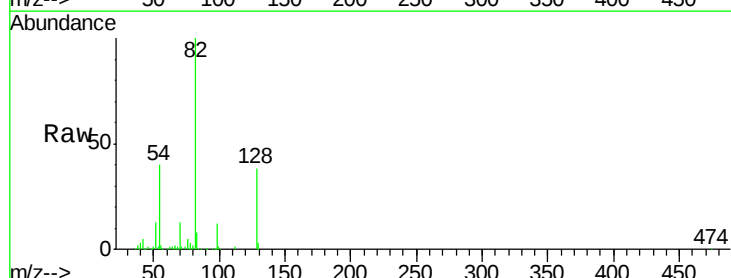
Instrument :
BNA_G
ClientSampleId :
BU-03-062620

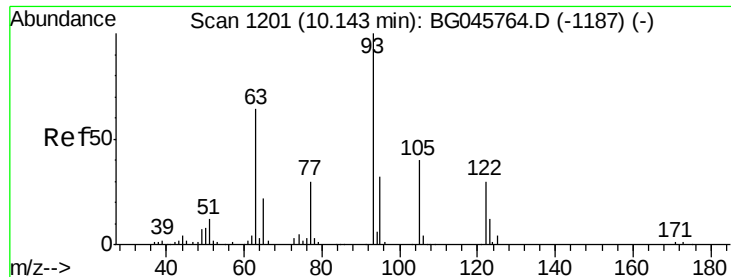
Tot Ion:136	Resp:	263263
Ion Ratio	Lower	Upper
136 100		
137 11.6	9.4	14.0
54 5.9	4.9	7.3
68 5.9	3.9	5.9#



#23
Nitrobenzene-d5
Concen: 65.660 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

Tgt Ion: 82	Resp: 378382
Ion Ratio	Lower Upper
82 100	
128 37.8	31.3 46.9
54 39.5	32.6 49.0





#32

Benzoic acid

Concen: 9.164 ng

RT: 10.12 min Scan# 1197

Delta R.T. 0.02 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Instrument :

BNA_G

ClientSampleId :

BU-03-062620

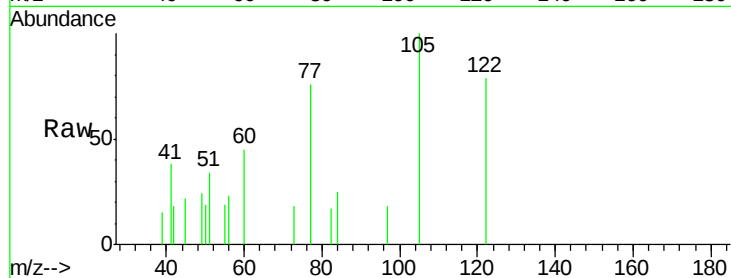
Tot Ion:122 Resp: 580

Ion Ratio Lower Upper

122 100

105 126.5 110.1 150.1

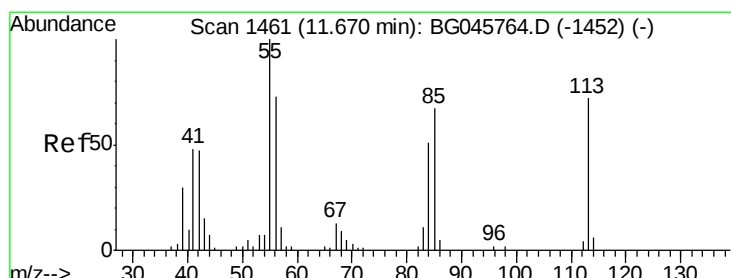
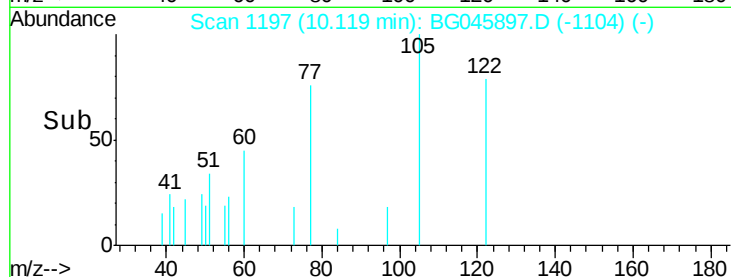
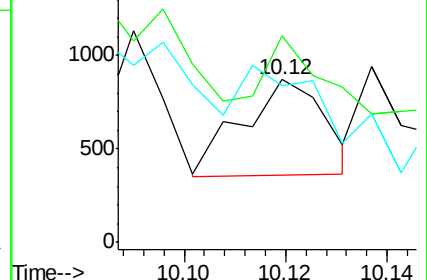
77 96.4 94.1 134.1



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): BGC



#35

Caprolactam

Concen: 13.721 ng

RT: 12.10 min Scan# 1534

Delta R.T. 0.46 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

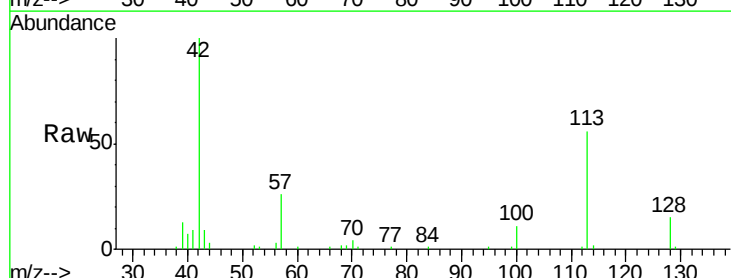
Tgt Ion:113 Resp: 20246

Ion Ratio Lower Upper

113 100

55 0.0 126.8 166.8#

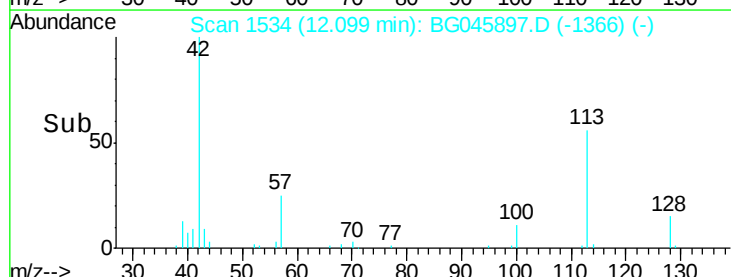
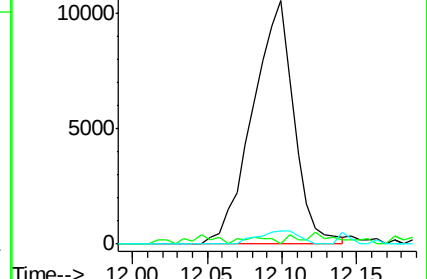
56 5.2 95.8 135.8#

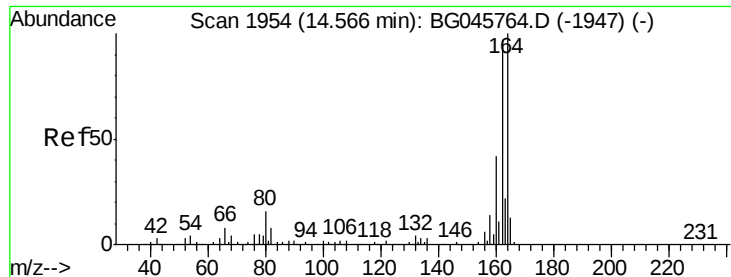


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Instrument :

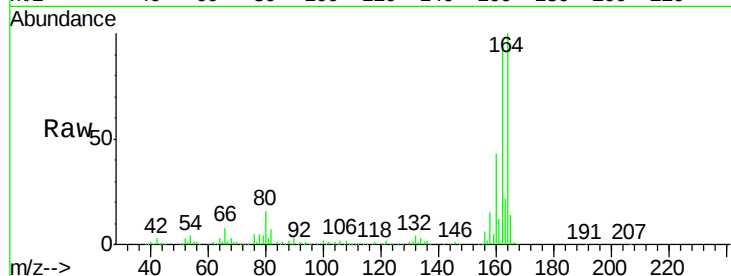
BNA_G

ClientSampleId :

BU-03-062620

Tot Ion:164 Resp: 175281

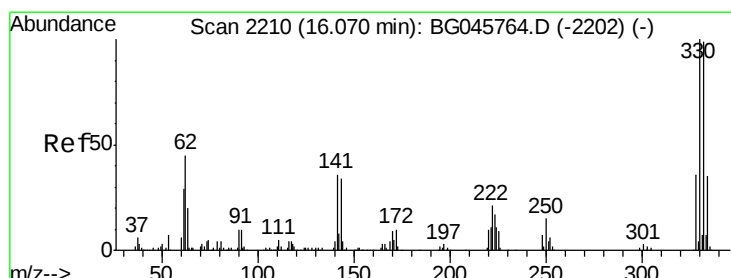
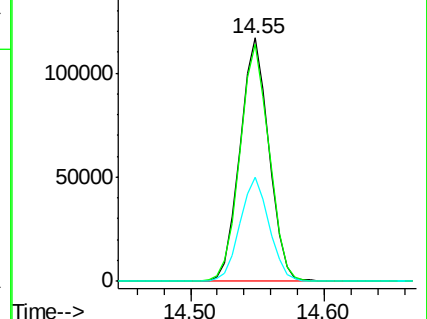
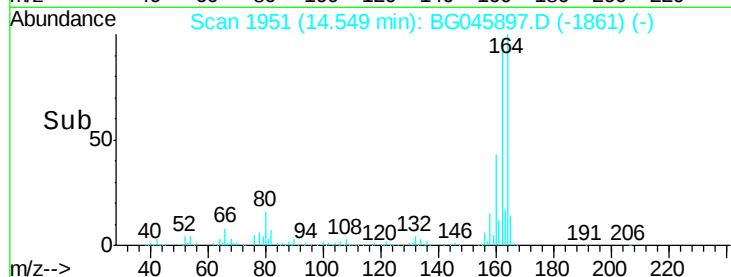
Ion	Ratio	Lower	Upper
164	100		
162	97.4	80.6	120.8
160	42.7	35.0	52.4



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: 85.352 ng

RT: 16.05 min Scan# 2206

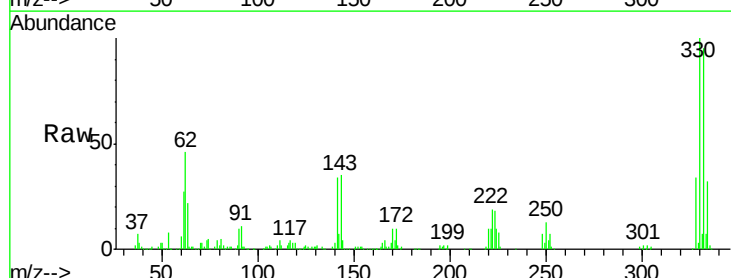
Delta R.T. -0.00 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Tgt Ion:330 Resp: 225865

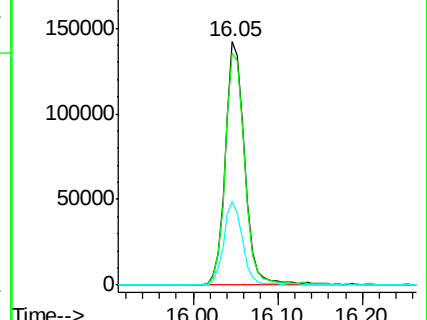
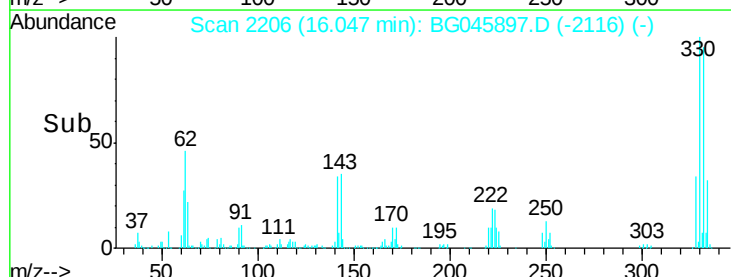
Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	33.8	27.7	41.5

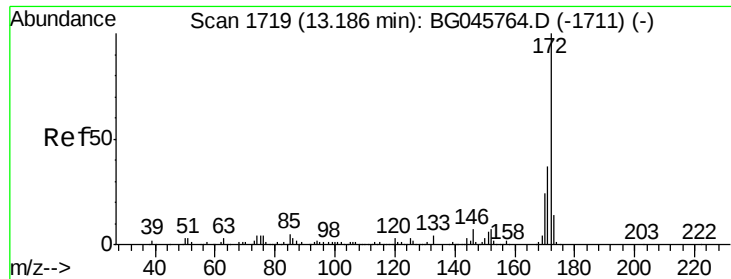


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

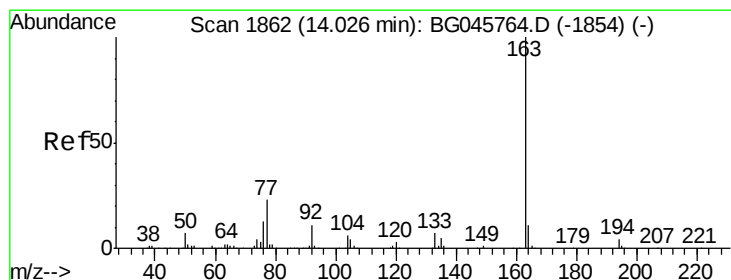
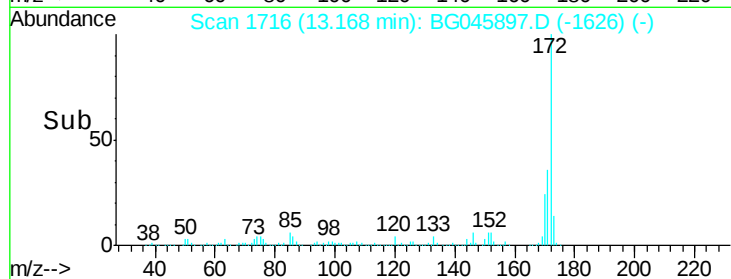
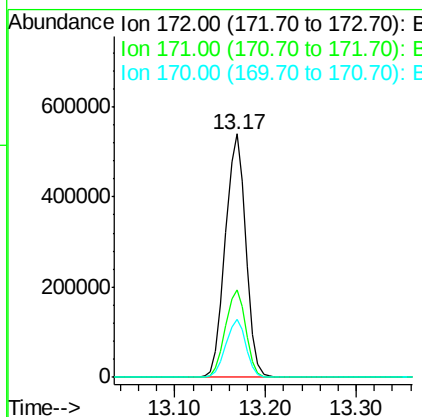
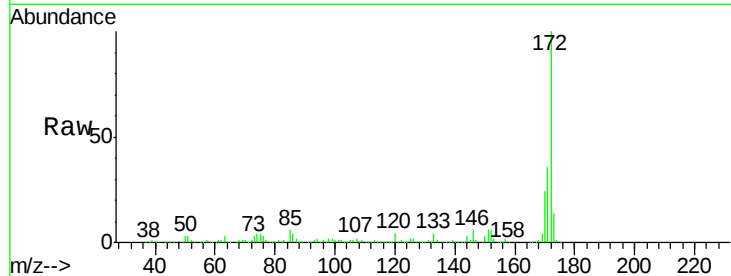




#45
2-Fluorobiphenyl
Concen: 70.893 ng
RT: 13.17 min Scan# 1716
Delta R.T. -0.00 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

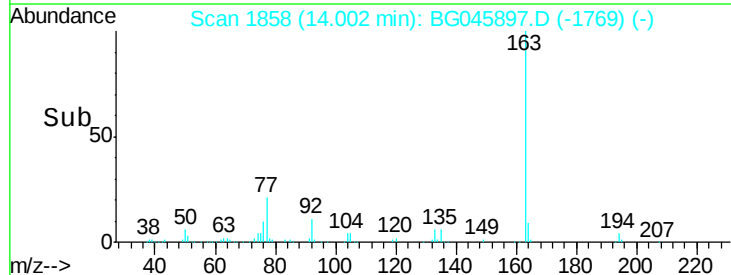
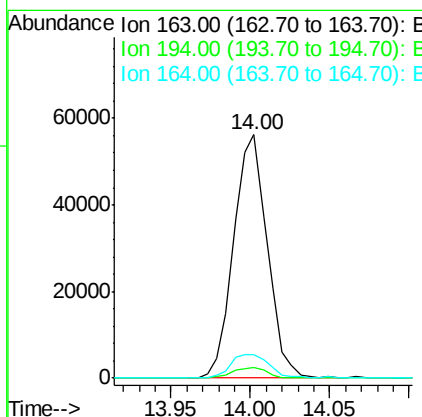
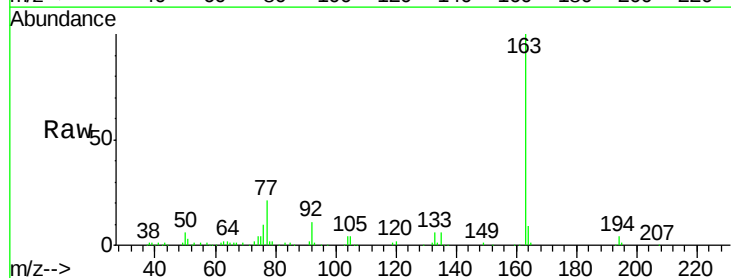
Instrument :
BNA_G
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BU-03-062620

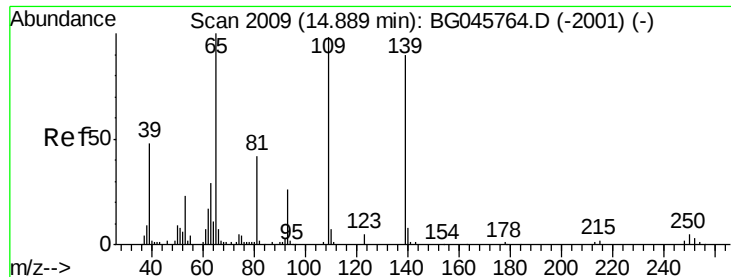
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	23.6	19.1	28.7



#50
Dimethylphthalate
Concen: 6.017 ng
RT: 14.00 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	9.4	8.8	13.2





#56

4-Nitrophenol

Concen: 4.108 ng

RT: 14.95 min Scan# 2020

Delta R.T. 0.12 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Instrument :

BNA_G

ClientSampleId :

BU-03-062620

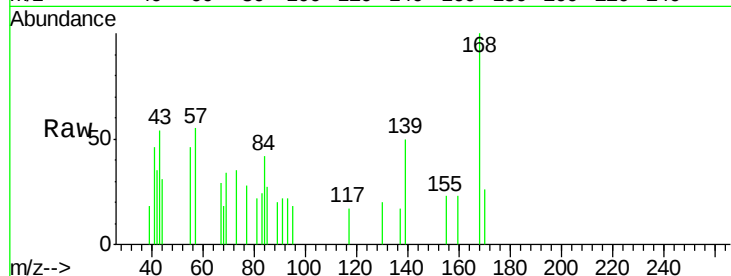
Tot Ion:139 Resp: 314

Ion Ratio Lower Upper

139 100

109 0.0 83.9 123.9#

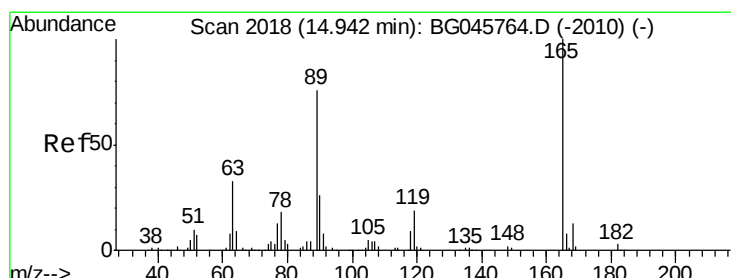
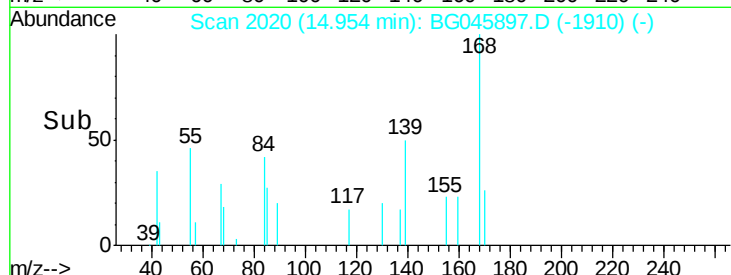
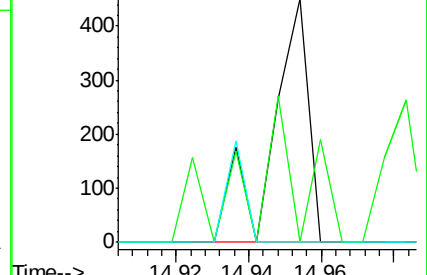
65 0.0 87.8 127.8#



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): BGC



#57

2,4-Dinitrotoluene

Concen: 5.269 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.37 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Tgt Ion:165 Resp: 23281

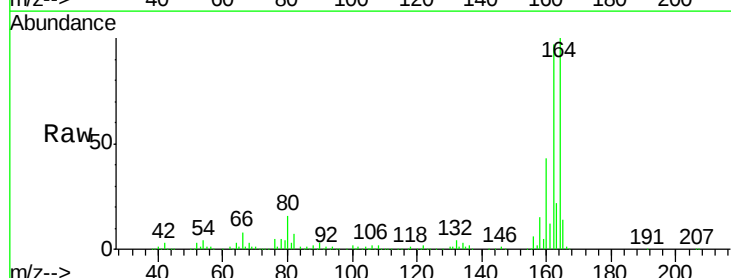
Ion Ratio Lower Upper

165 100

63 1.8 35.2 52.8#

89 1.6 61.4 92.2#

182 0.0 2.3 3.5#

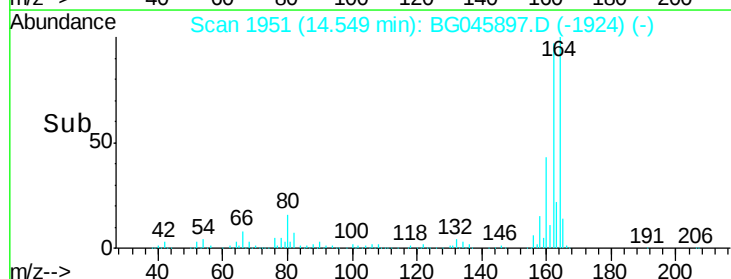
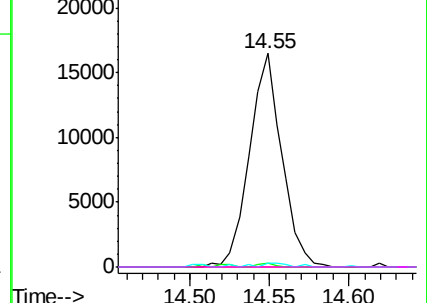


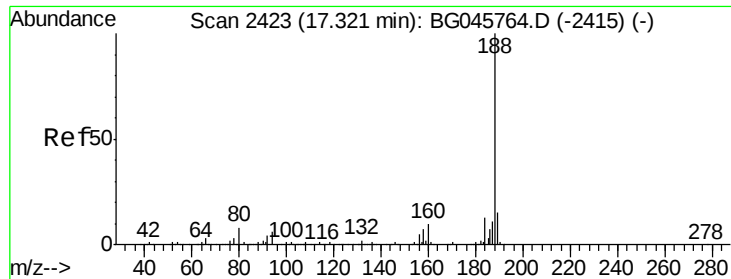
Abundance Ion 165.00 (164.70 to 165.70): E

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

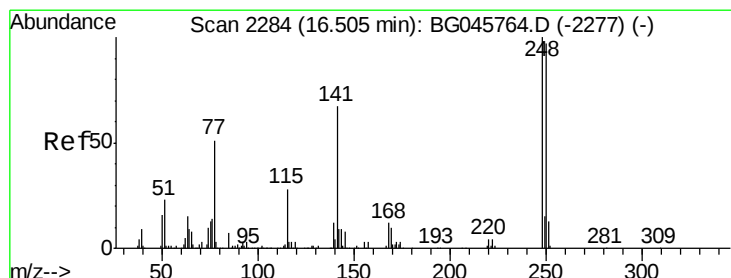
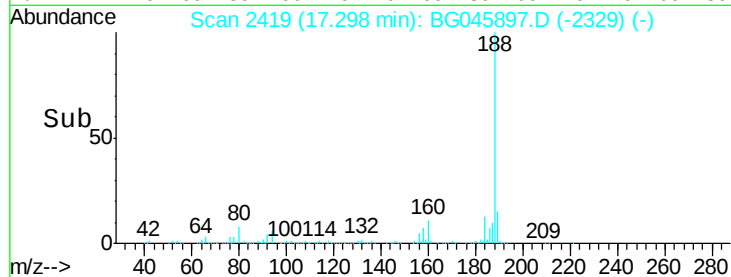
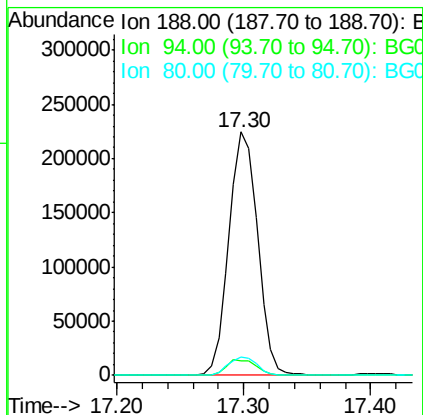
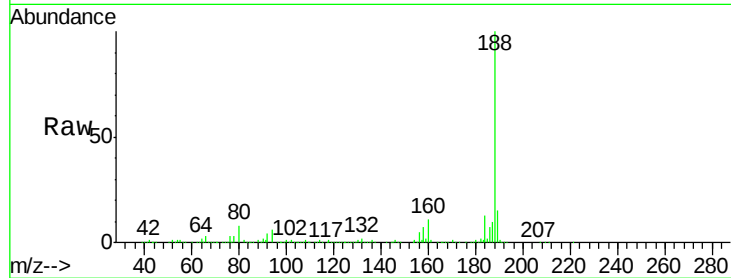




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2419
Delta R.T. -0.00 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

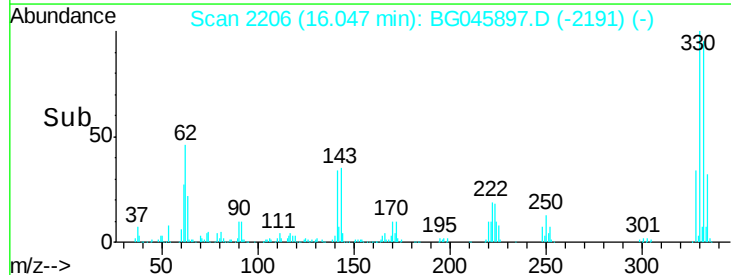
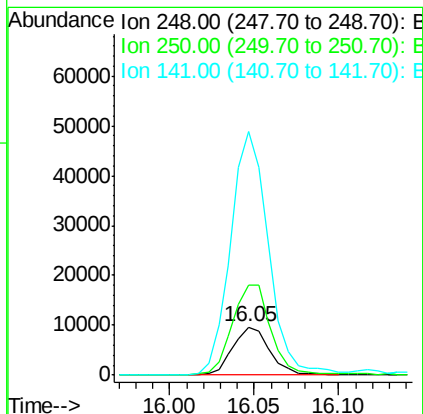
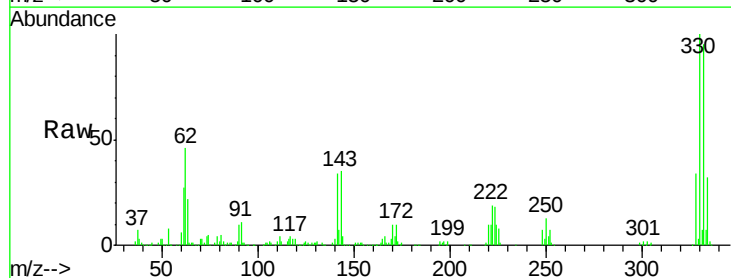
Instrument :
BNA_G
ClientSampleId :
BU-03-062620

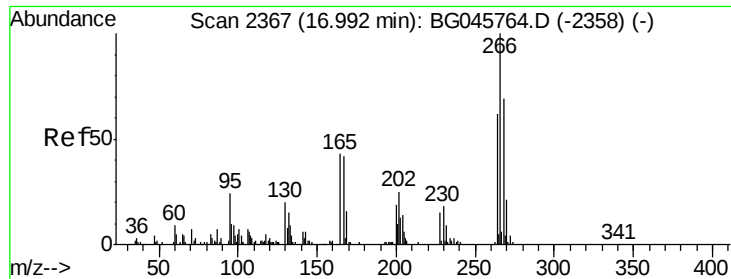
Tot Ion:188 Resp: 351678
Ion Ratio Lower Upper
188 100
94 6.2 5.7 8.5
80 7.6 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 3.213 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.44 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

Tgt Ion:248 Resp: 14683
Ion Ratio Lower Upper
248 100
250 188.3 76.8 115.2#
141 505.9 52.6 79.0#

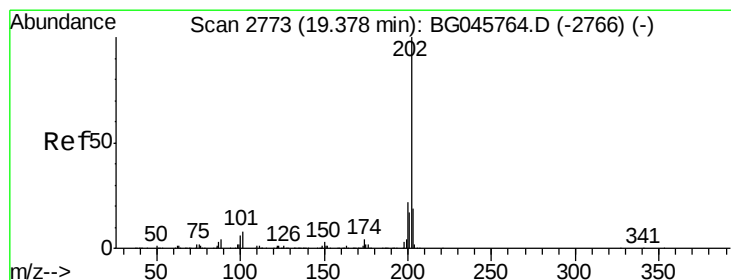
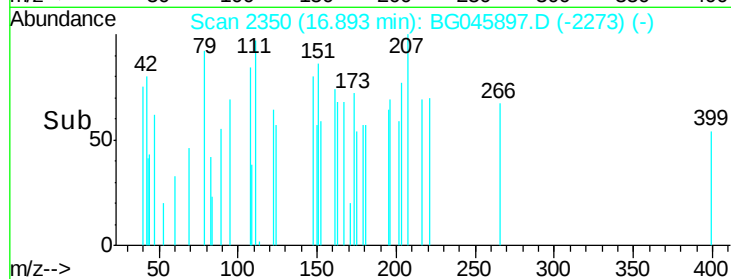
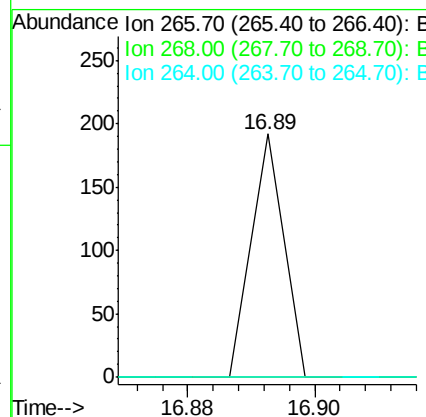
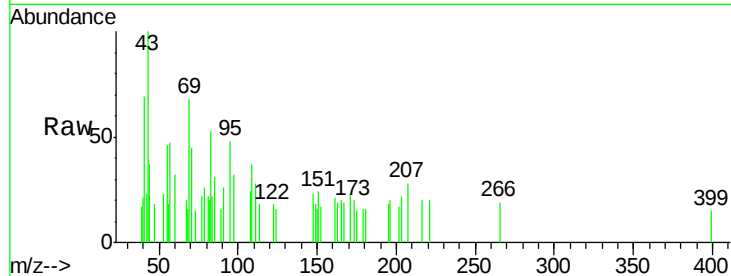




#70
 Pentachlorophenol
 Concen: 7.659 ng
 RT: 16.89 min Scan# 2350
 Delta R.T. -0.08 min
 Lab File: BG045897.D
 Acq: 30 Jun 2020 23:28

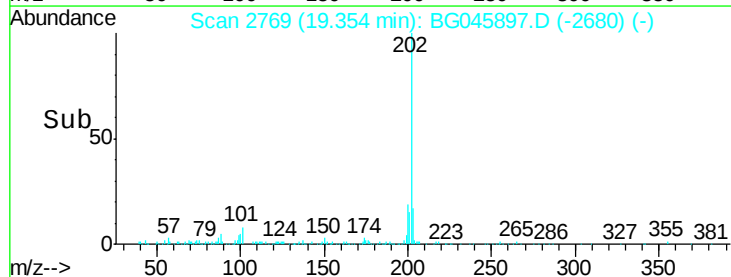
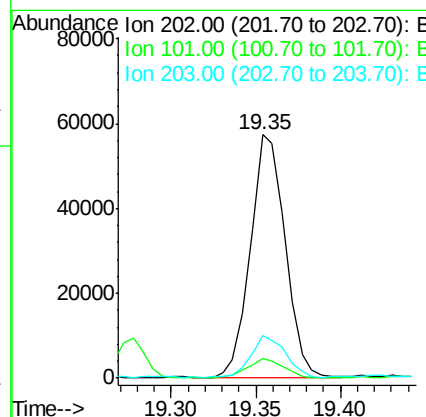
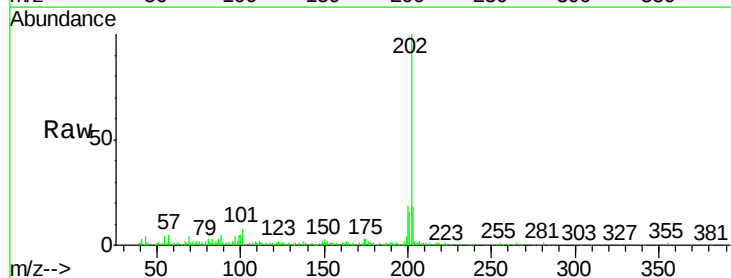
Instrument :
 BNA_G
 ClientSampleId :
 BU-03-062620

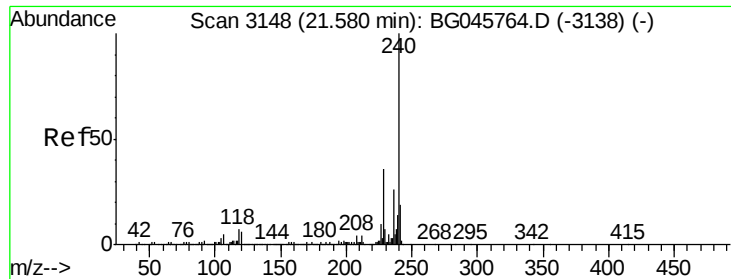
Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	50.9	76.3#
264	0.0	49.8	74.8#



#75
 Fluoranthene
 Concen: 3.716 ng
 RT: 19.35 min Scan# 2769
 Delta R.T. -0.01 min
 Lab File: BG045897.D
 Acq: 30 Jun 2020 23:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.0
203	17.6	0.0	38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Instrument :

BNA_G

ClientSampleId :

BU-03-062620

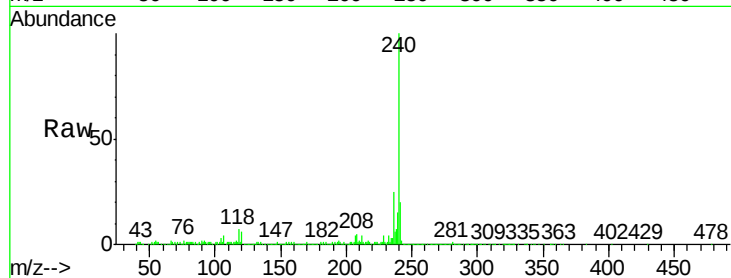
Tot Ion:240 Resp: 312955

Ion Ratio Lower Upper

240 100

120 5.8 5.6 8.4

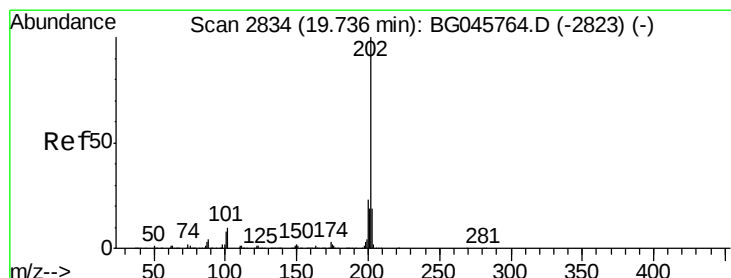
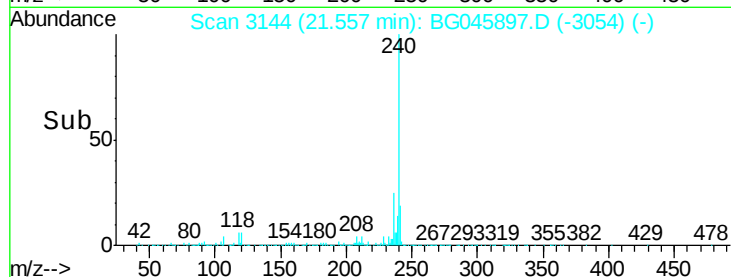
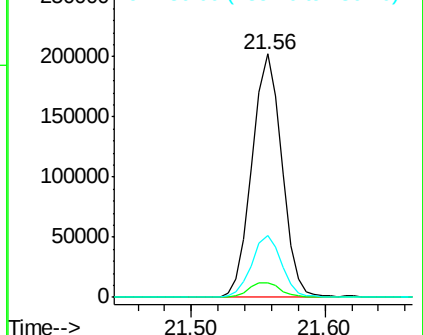
236 25.2 21.3 31.9



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: 3.497 ng

RT: 19.72 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

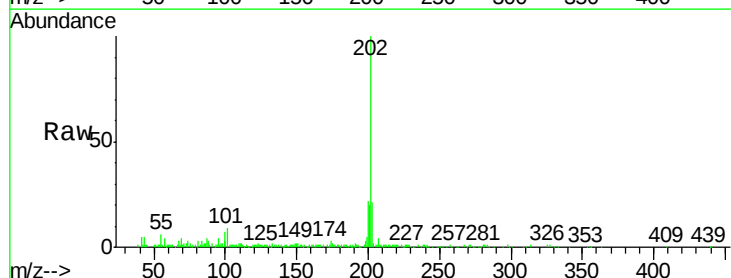
Tgt Ion:202 Resp: 73292

Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

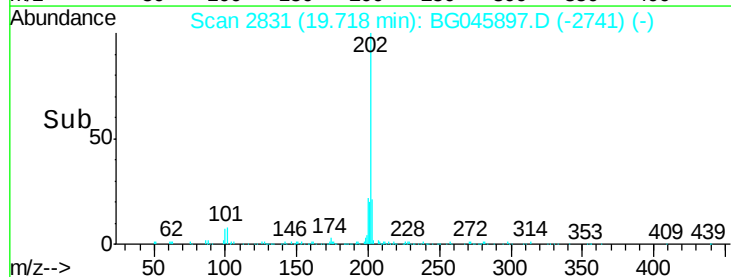
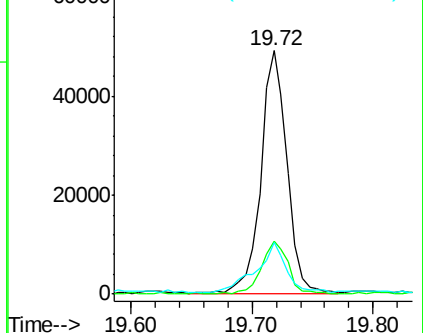
203 21.1 14.8 22.2

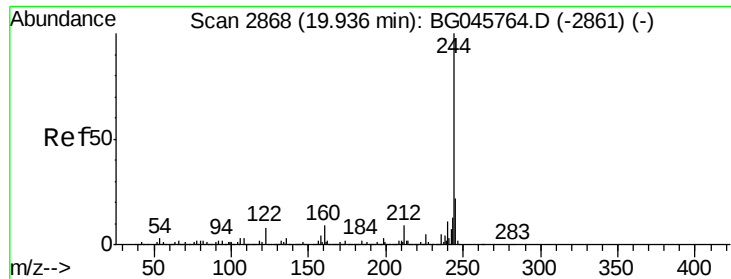


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 72.816 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Instrument :

BNA_G

ClientSampleId :

BU-03-062620

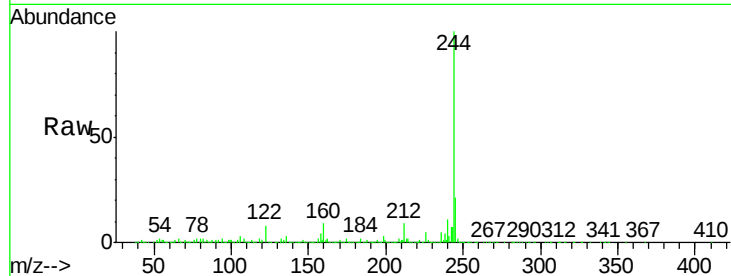
Tot Ion:244 Resp: 1124459

Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

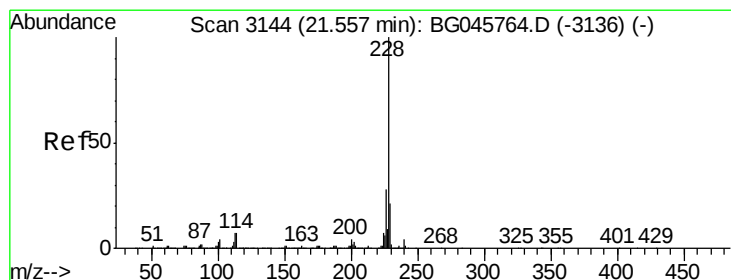
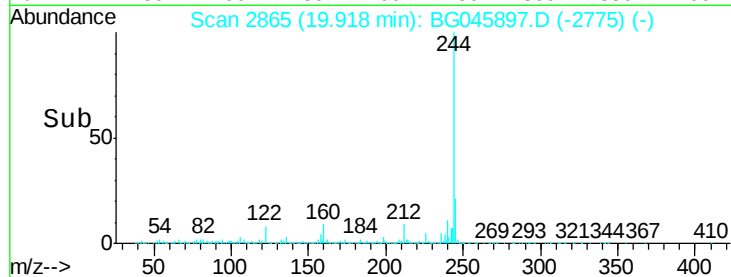
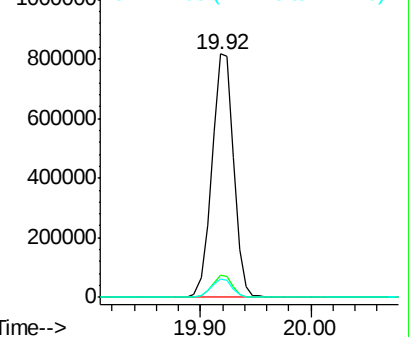
122 7.8 6.9 10.3



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: 2.093 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

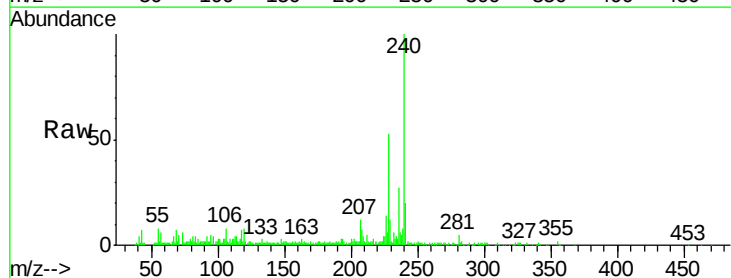
Tgt Ion:228 Resp: 42469

Ion Ratio Lower Upper

228 100

226 26.6 23.2 34.8

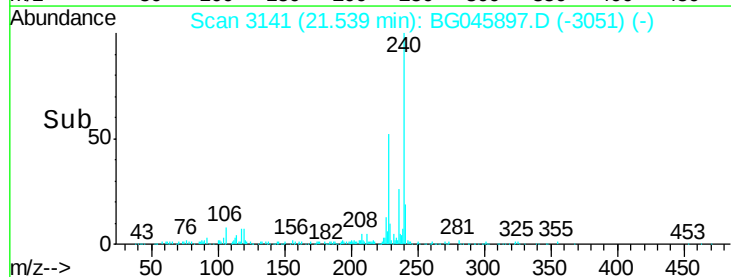
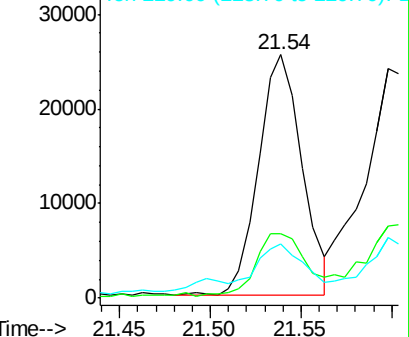
229 22.3 16.6 25.0

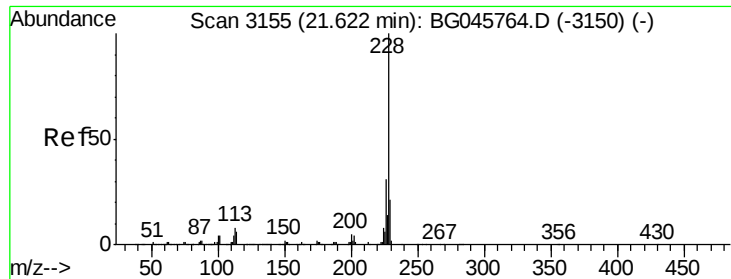


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

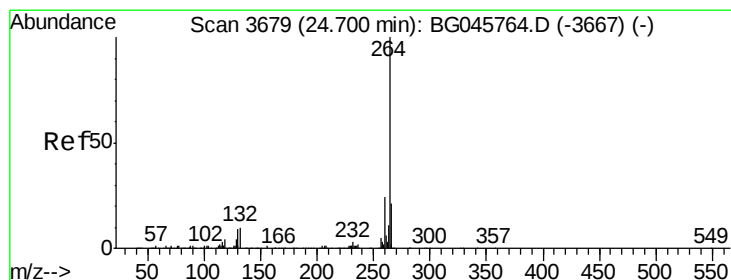
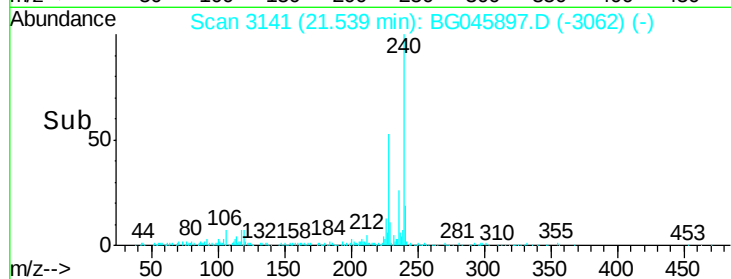
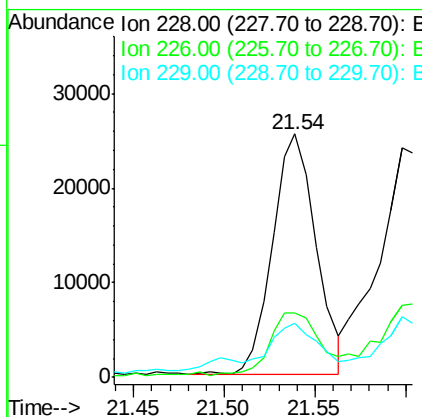
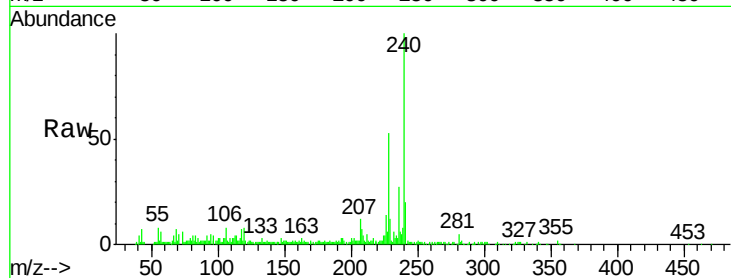




#83
Chrysene
Concen: 2.164 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.07 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

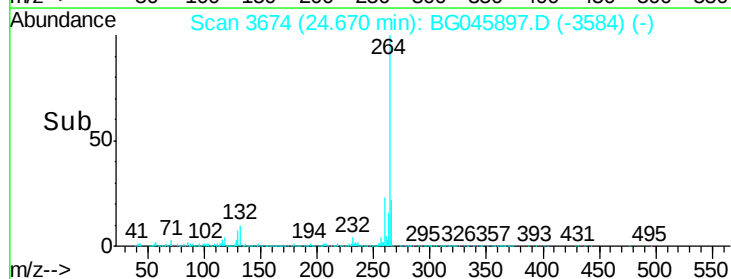
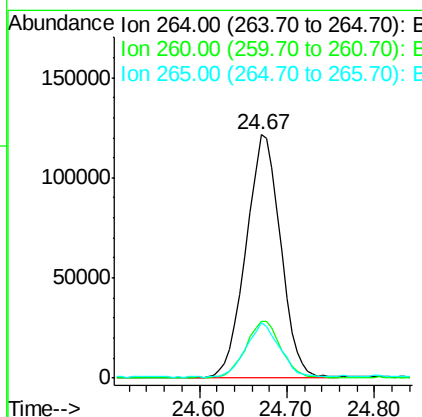
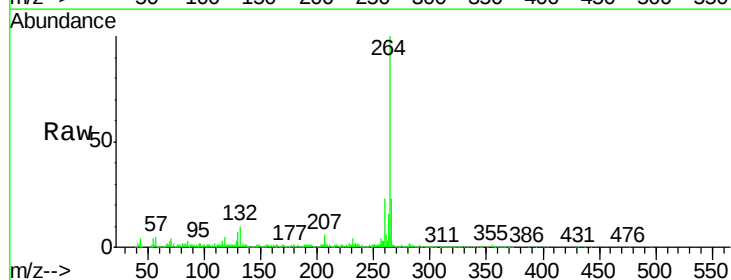
Instrument :
BNA_G
ClientSampleId :
BU-03-062620

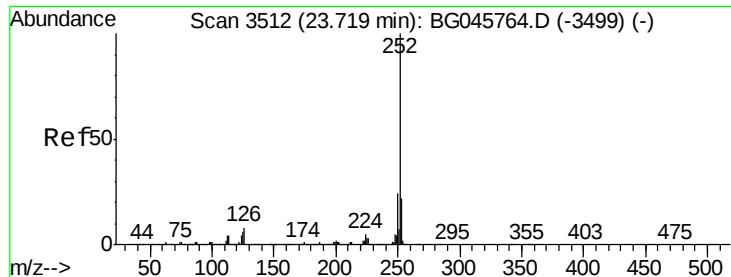
Tot Ion:228 Resp: 42469
Ion Ratio Lower Upper
228 100
226 26.6 25.4 38.0
229 22.3 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.67 min Scan# 3674
Delta R.T. -0.00 min
Lab File: BG045897.D
Acq: 30 Jun 2020 23:28

Tgt Ion:264 Resp: 326162
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 22.6 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 3.233 ng

RT: 23.70 min Scan# 3508

Delta R.T. 0.00 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Instrument :

BNA_G

ClientSampleId :

BU-03-062620

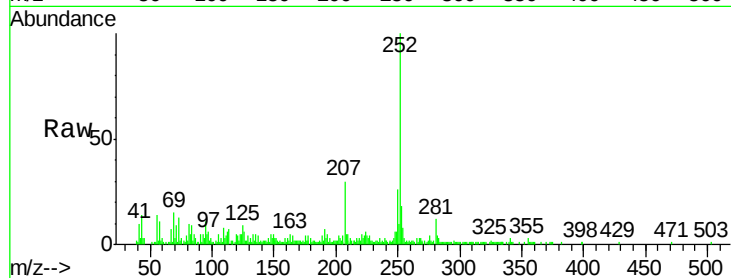
Tot Ion:252 Resp: 66109

Ion Ratio Lower Upper

252 100

253 18.1 18.5 27.7#

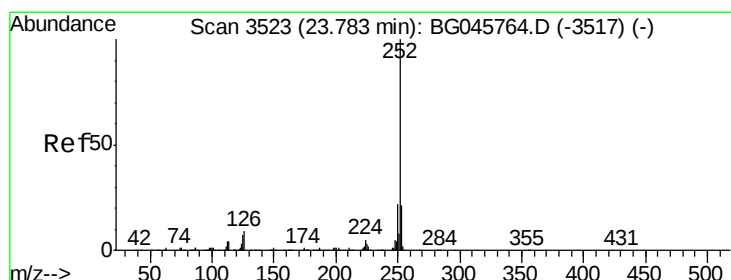
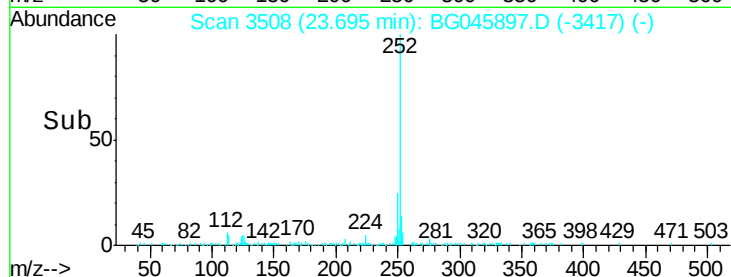
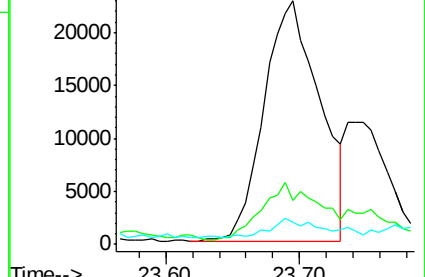
125 9.3 5.4 8.0#



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



#89

Benzo(k)fluoranthene

Concen: 3.378 ng

RT: 23.70 min Scan# 3508

Delta R.T. -0.06 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

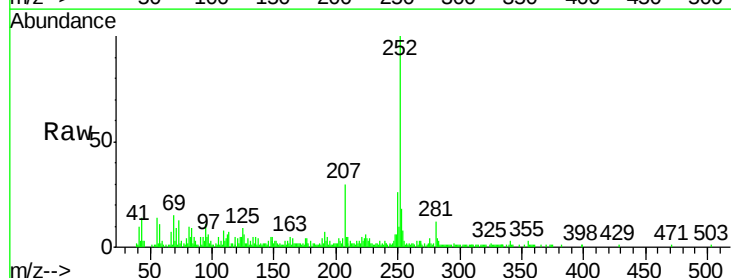
Tgt Ion:252 Resp: 66109

Ion Ratio Lower Upper

252 100

253 18.1 18.8 28.2#

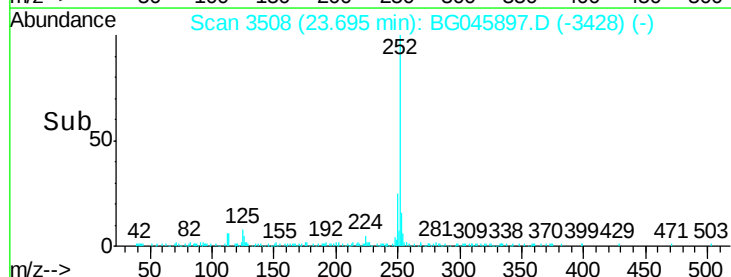
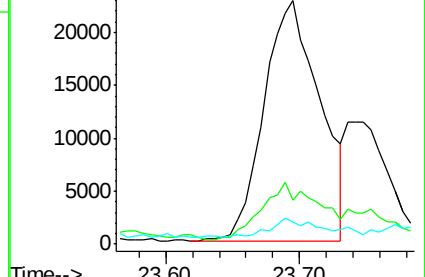
125 9.3 5.2 7.8#

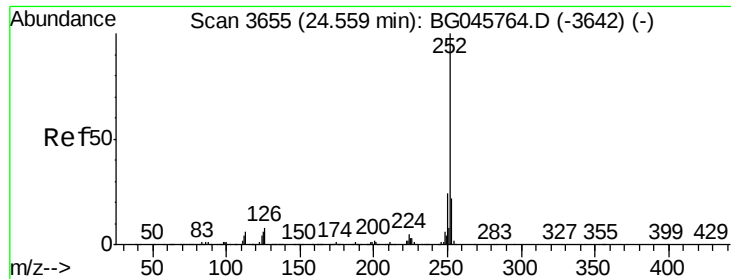


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.234 ng

RT: 24.52 min Scan# 3649

Delta R.T. -0.01 min

Lab File: BG045897.D

Acq: 30 Jun 2020 23:28

Instrument :

BNA_G

ClientSampleId :

BU-03-062620

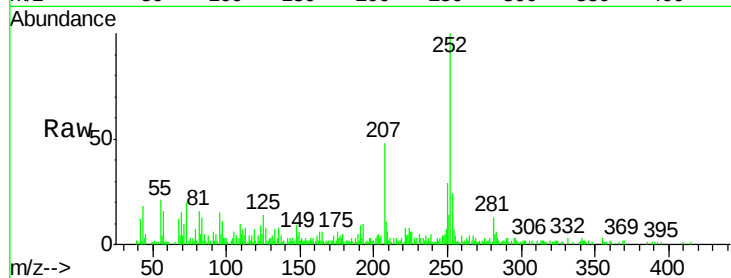
Tot Ion:252 Resp: 42683

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 14.5 5.9 8.9#



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

