

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051420\
 Data File : BG045386.D
 Acq On : 14 May 2020 20:30
 Operator : CG/JU
 Sample : L2605-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 15 00:39:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 13:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	73868	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	305928	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	229534	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	542541	20.00	ng	0.00
76) Chrysene-d12	21.63	240	525697	20.00	ng	0.00
87) Perylene-d12	24.79	264	548475	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	396348	88.58	ng	0.00
7) Phenol-d6	7.14	99	499089	75.08	ng	0.00
23) Nitrobenzene-d5	9.13	82	489109	72.95	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	376556	106.19	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1155525	73.82	ng	0.00
79) Terphenyl-d14	19.98	244	1989917	82.50	ng	0.00

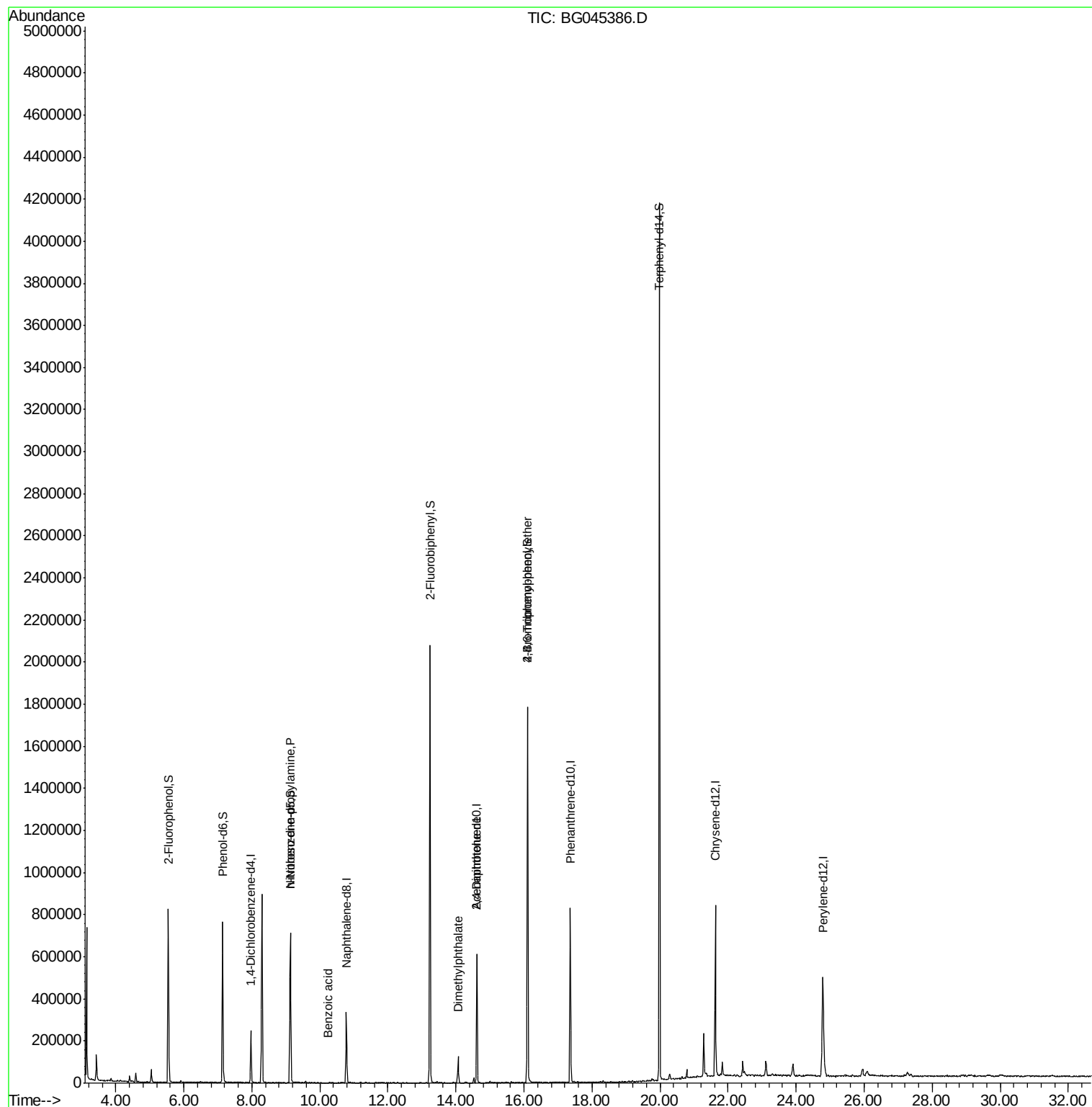
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.08	77	61	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	66042	14.048	ng	80
32) Benzoic acid	10.24	122	79	6.392	ng	1
50) Dimethylphthalate	14.06	163	92249	4.936	ng	97
57) 2,4-Dinitrotoluene	14.61	165	30200	4.943	ng	23
67) 4-Bromophenyl-phenylether	16.10	248	25450	3.636	ng	1
69) Atrazine	16.95	200	57	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	5615	Below Cal	#	93
75) Fluoranthene	19.42	202	381	Below Cal	#	62
77) Benzidine	19.98	184	37706	Below Cal	#	91

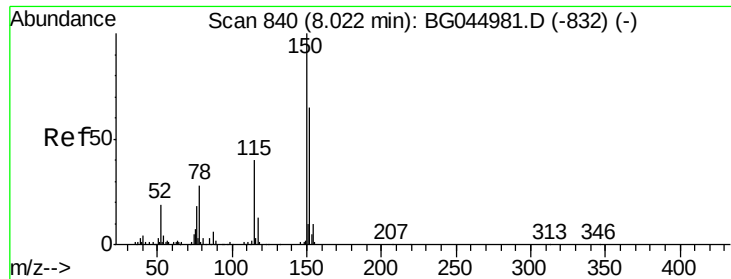
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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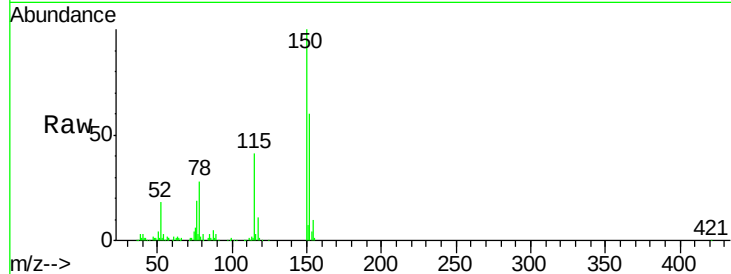


#1

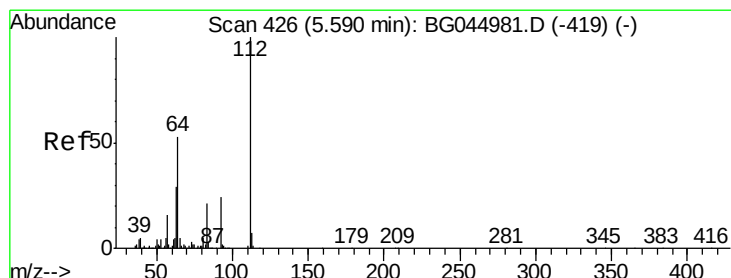
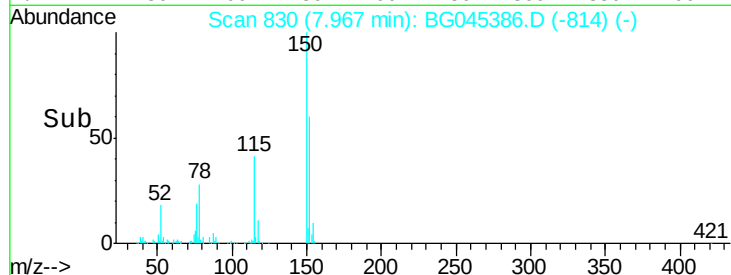
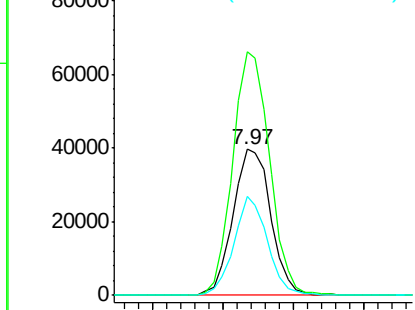
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BG045386.D
 Acq: 14 May 2020 20:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 73868
 Ion Ratio Lower Upper
 152 100
 150 167.0 123.6 185.4
 115 67.9 49.1 73.7



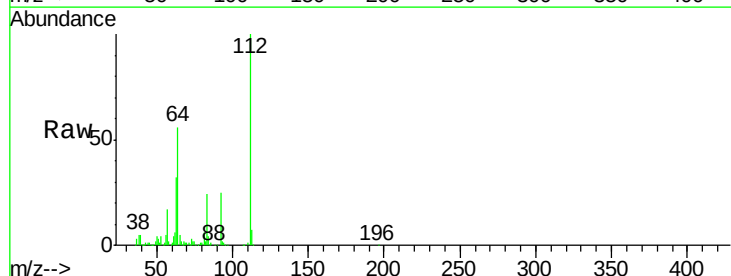
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



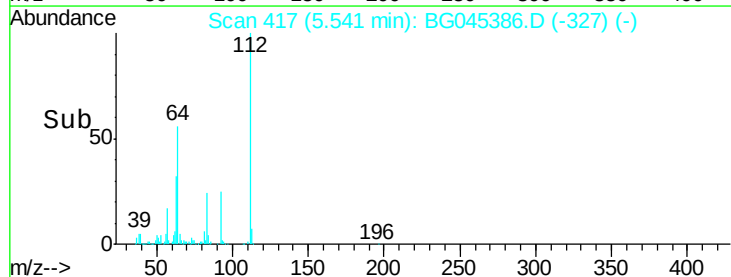
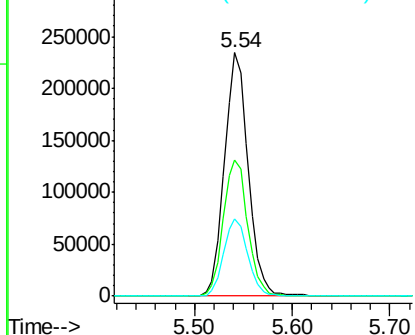
#5

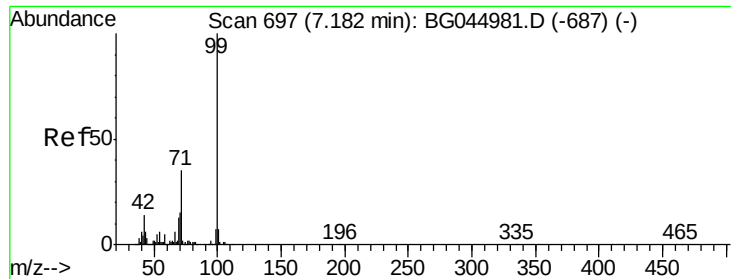
2-Fluorophenol
 Concen: 88.584 ng
 RT: 5.54 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: BG045386.D
 Acq: 14 May 2020 20:30

Tgt Ion:112 Resp: 396348
 Ion Ratio Lower Upper
 112 100
 64 56.0 42.4 63.6
 63 31.9 23.1 34.7



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: 75.077 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

Instrument :

BNA_G

ClientSampleId :

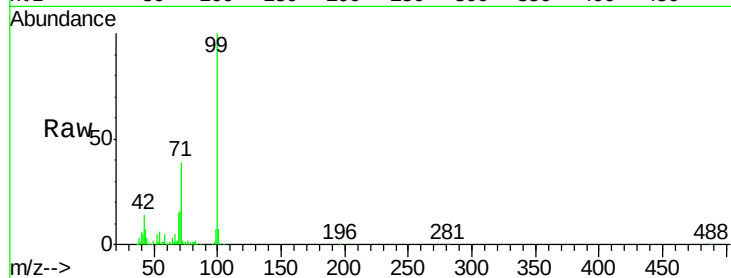
Tot Ion: 99 Resp: 499089

Ion Ratio Lower Upper

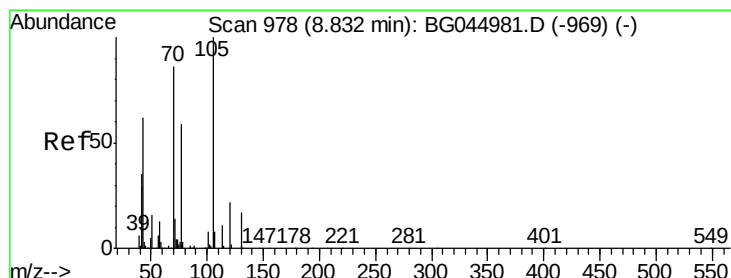
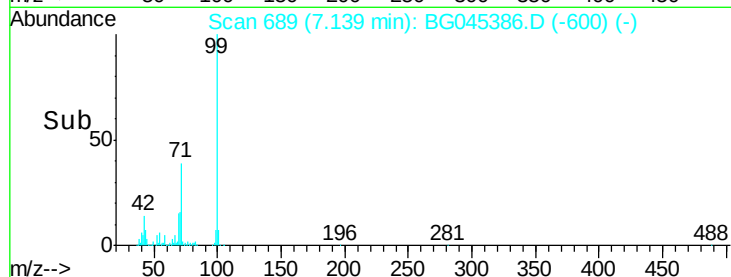
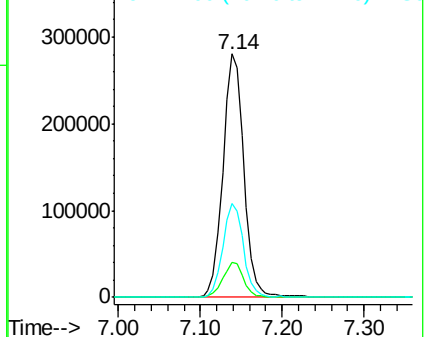
99 100

42 14.2 11.3 16.9

71 38.5 28.3 42.5



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: 14.048 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

Tgt Ion: 70 Resp: 66042

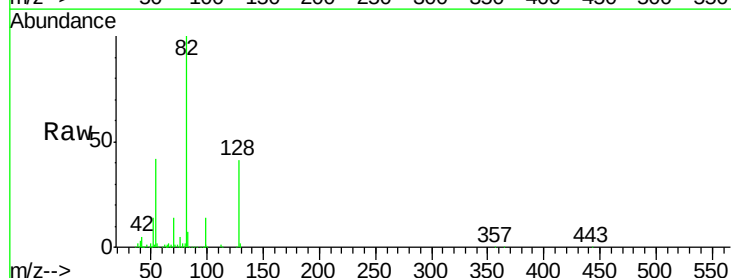
Ion Ratio Lower Upper

70 100

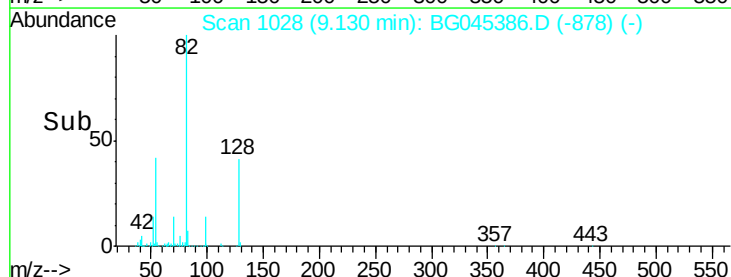
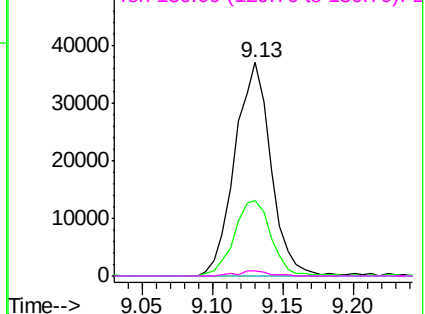
42 35.5 33.3 49.9

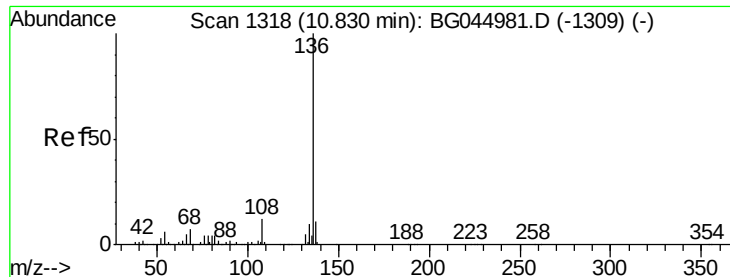
101 0.0 7.8 11.8#

130 2.2 15.8 23.6#



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: 10.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 305928

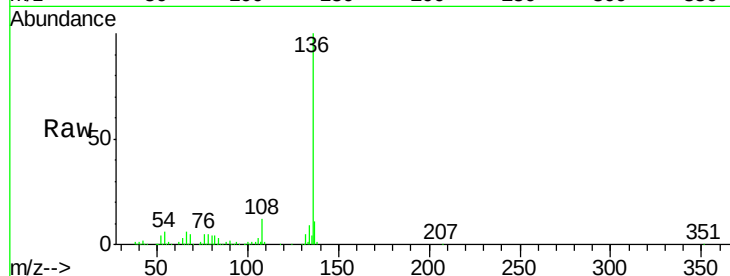
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 6.1 4.8 7.2

68 5.4 5.2 7.8

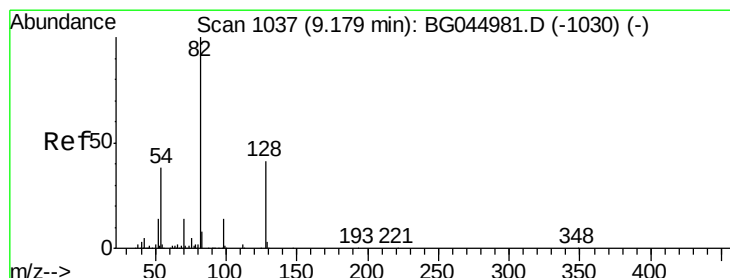
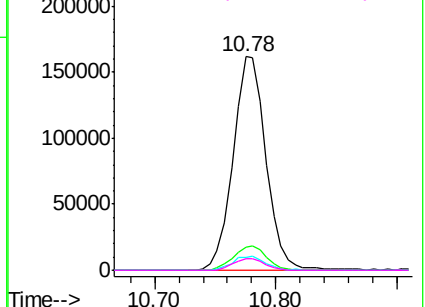
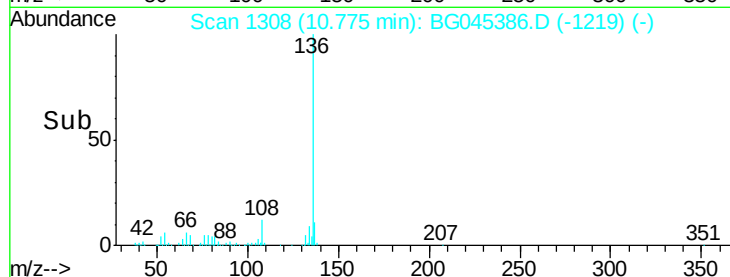


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.950 ng

RT: 9.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

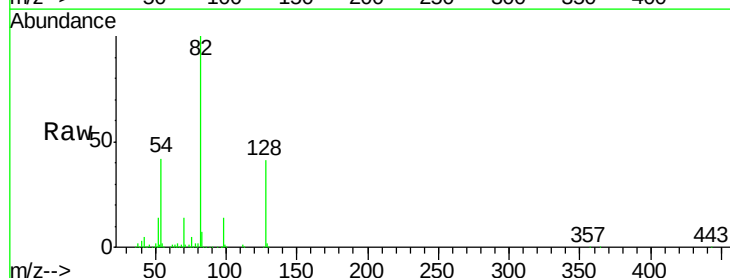
Tgt Ion: 82 Resp: 489109

Ion Ratio Lower Upper

82 100

128 41.2 33.0 49.4

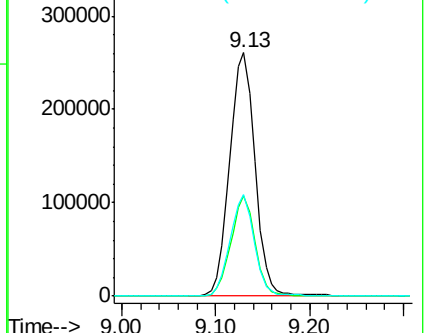
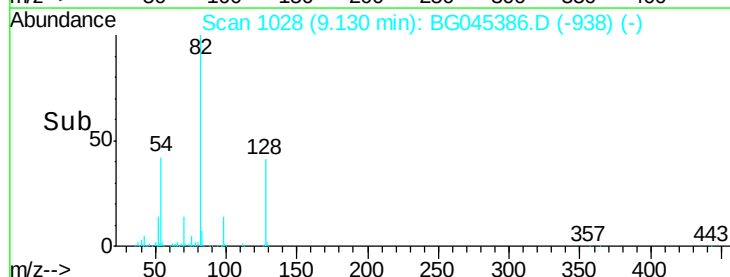
54 41.6 30.4 45.6

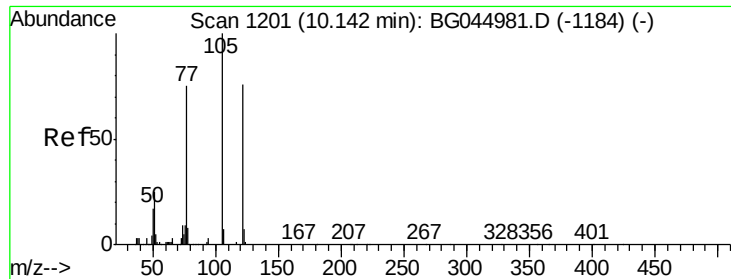


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.392 ng

RT: 10.24 min Scan# 1217

Delta R.T. 0.13 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

Instrument :

BNA_G

ClientSampleId :

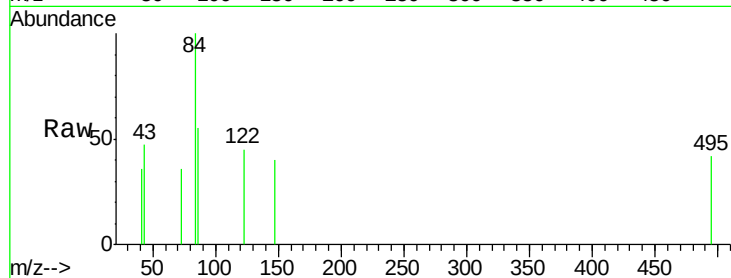
Tot Ion:122 Resp: 79

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

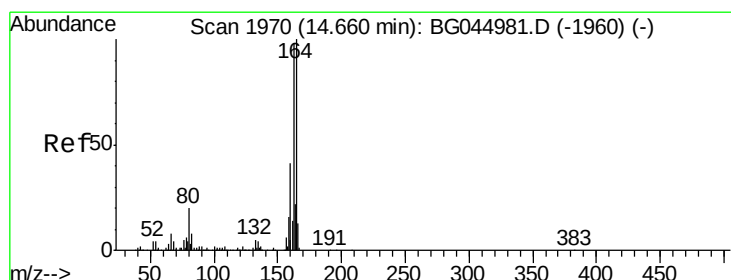
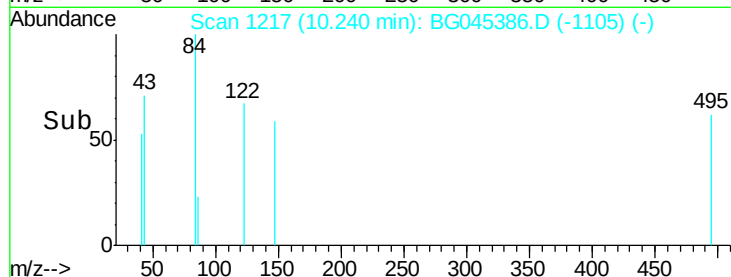
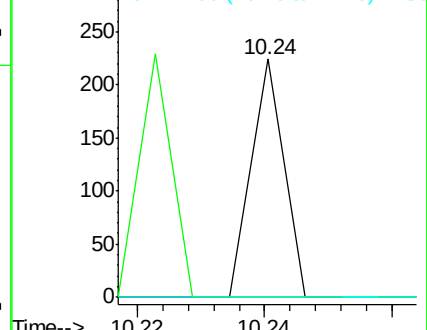
77 0.0 78.8 118.8#



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: 14.62 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

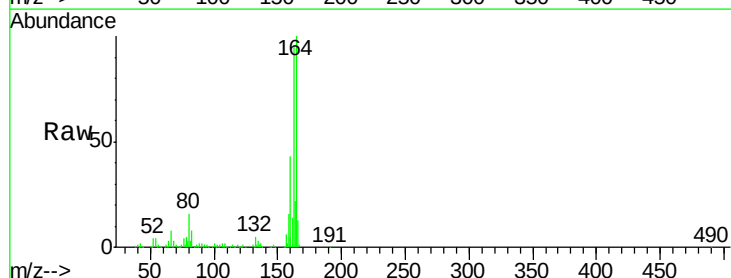
Tgt Ion:164 Resp: 229534

Ion Ratio Lower Upper

164 100

162 96.4 78.7 118.1

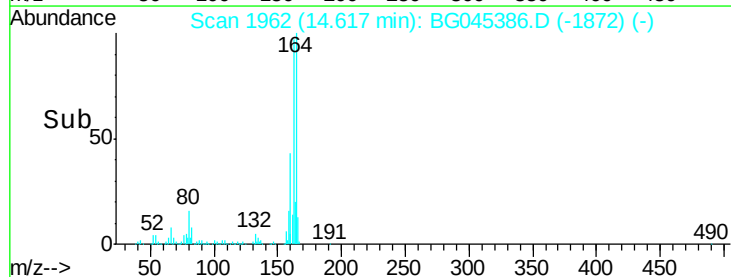
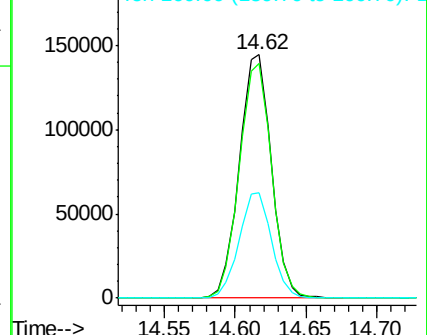
160 43.3 32.8 49.2

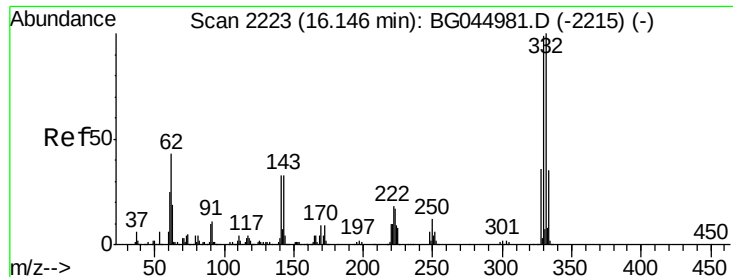


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

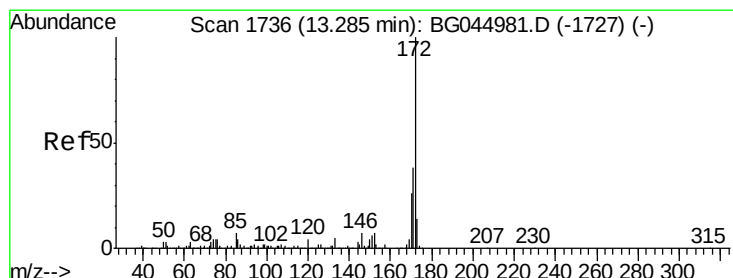
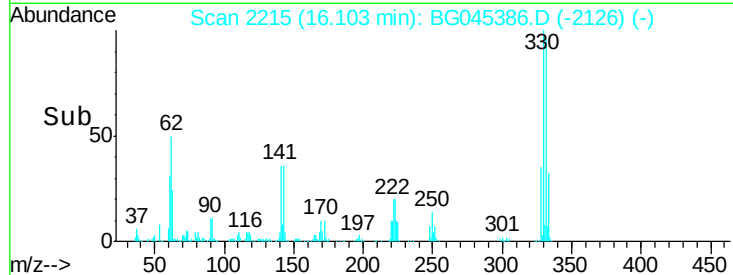
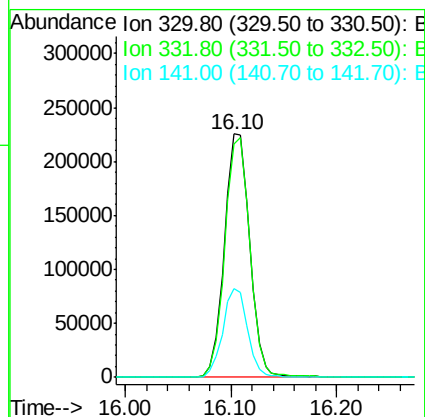
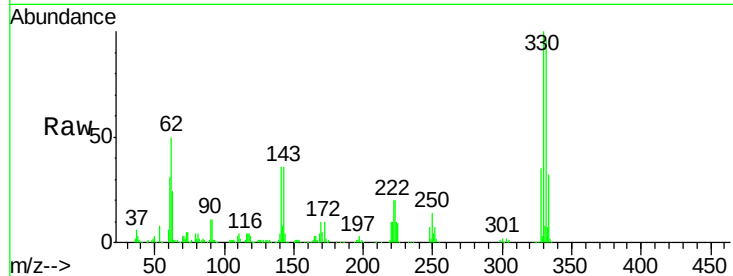




#42
 2,4,6-Tribromophenol
 Concen: 106.192 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: BG045386.D
 Acq: 14 May 2020 20:30

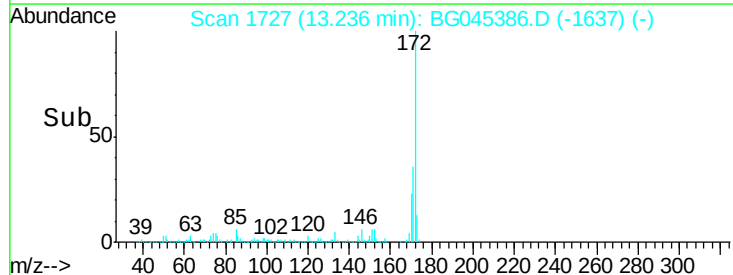
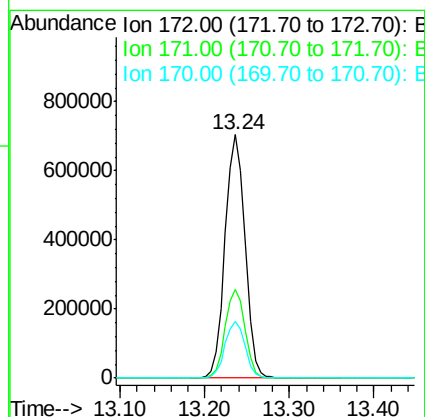
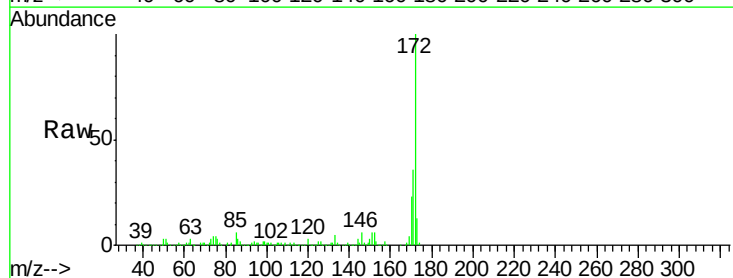
Instrument :
 BNA_G
 ClientSampleId :

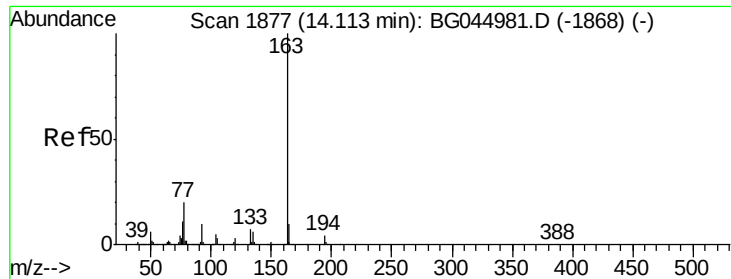
Tot Ion:	330	Resp:	376556
Ion	Ratio	Lower	Upper
330	100		
332	97.4	79.1	118.7
141	36.1	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 73.818 ng
 RT: 13.24 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG045386.D
 Acq: 14 May 2020 20:30

Tgt Ion:	172	Resp:	1155525
Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.6	46.0
170	23.5	20.5	30.7





#50

Dimethylphthalate

Concen: 4.936 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

Instrument :

BNA_G

ClientSampleId :

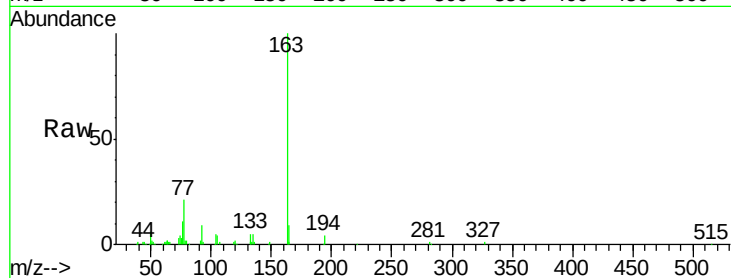
Tot Ion:163 Resp: 92249

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

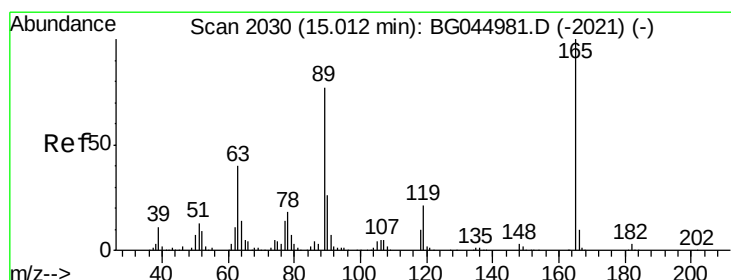
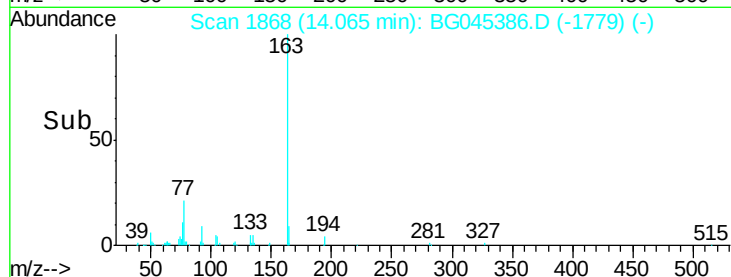
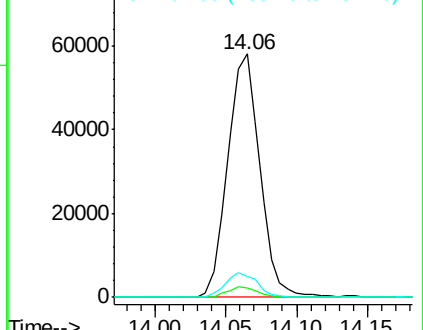
164 8.7 8.2 12.4



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



#57

2,4-Dinitrotoluene

Concen: 4.943 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.37 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

Tgt Ion:165 Resp: 30200

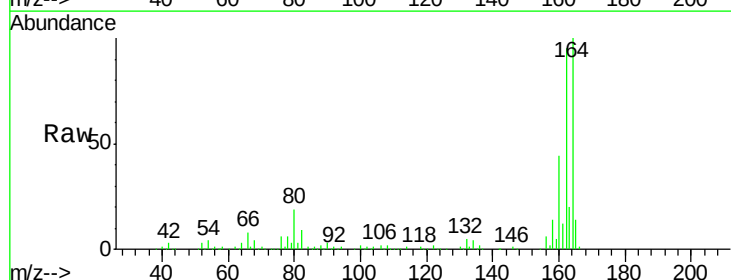
Ion Ratio Lower Upper

165 100

63 1.7 32.2 48.2#

89 1.9 61.7 92.5#

182 0.0 2.0 3.0#

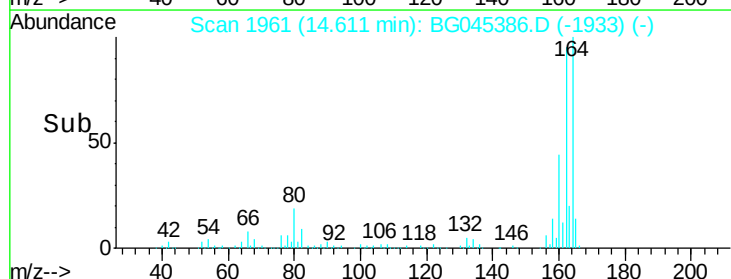
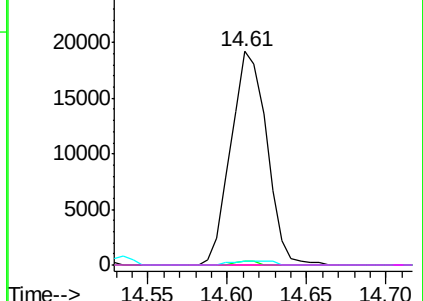


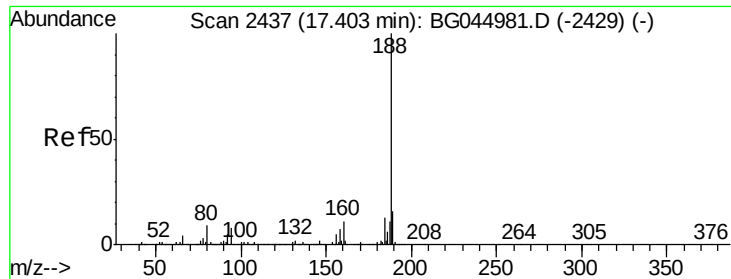
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.36 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

Instrument :

BNA_G

ClientSampleId :

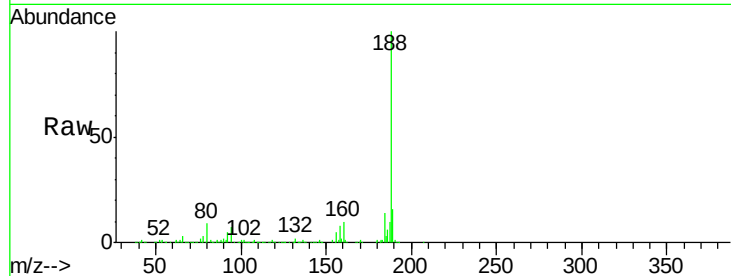
Tot Ion:188 Resp: 542541

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

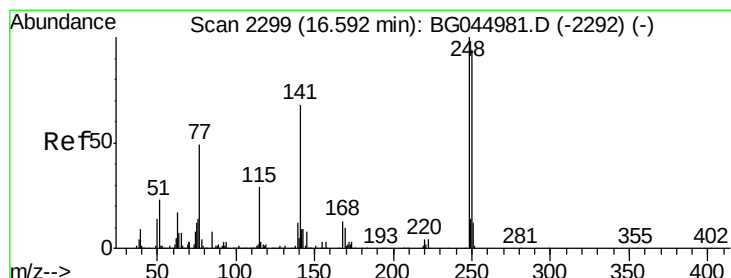
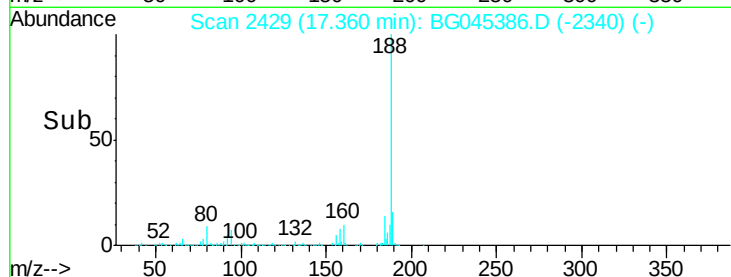
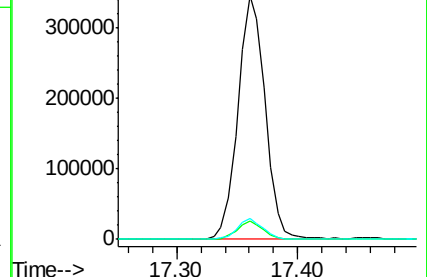
80 8.5 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.636 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.45 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

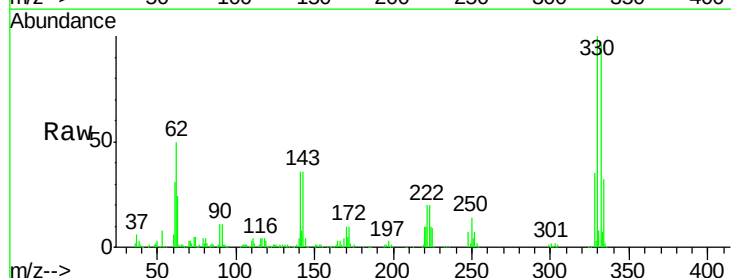
Tgt Ion:248 Resp: 25450

Ion Ratio Lower Upper

248 100

250 202.9 75.4 113.2#

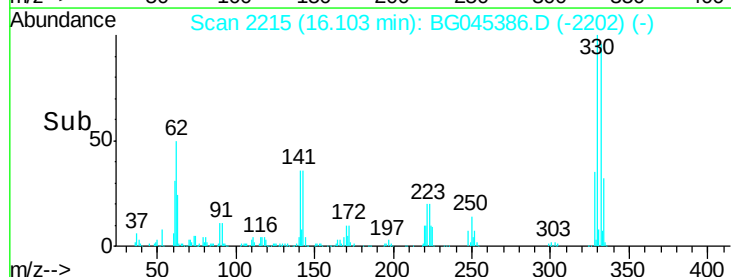
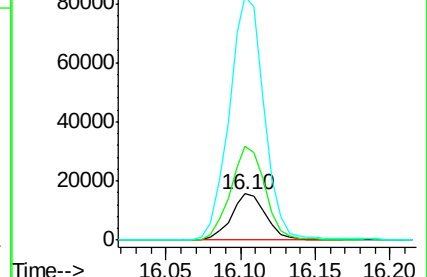
141 525.1 54.4 81.6#

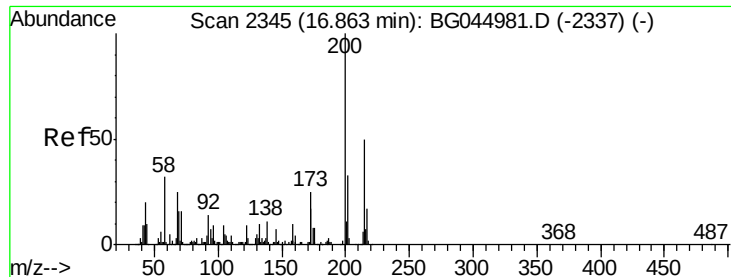


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

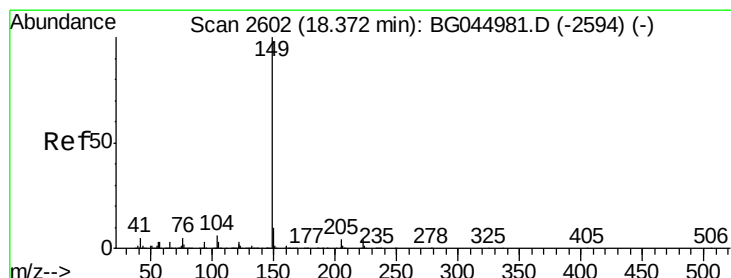
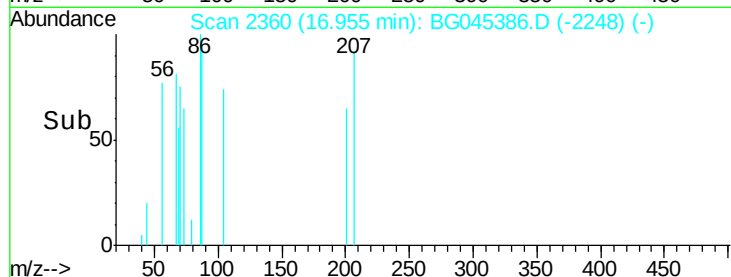
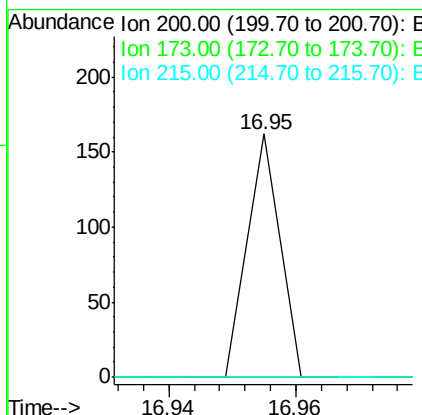
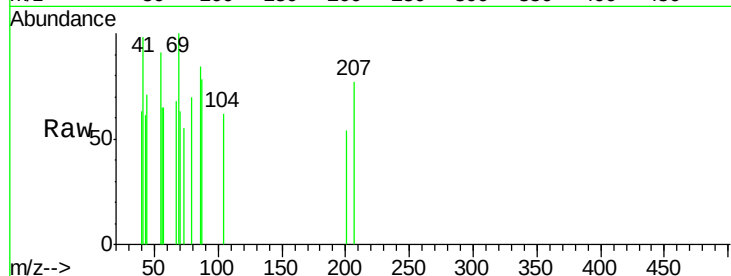




#69
 Atrazine
 Concen: Below Cal
 RT: 16.95 min Scan# 2360
 Delta R.T. 0.13 min
 Lab File: BG045386.D
 Acq: 14 May 2020 20:30

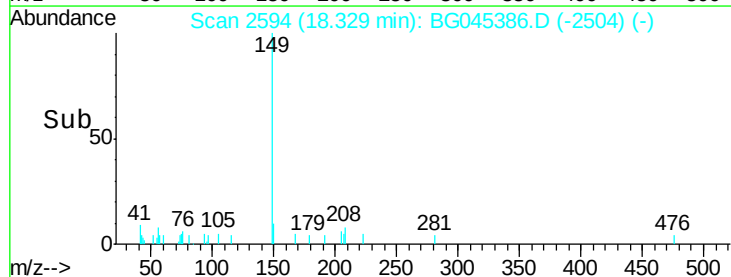
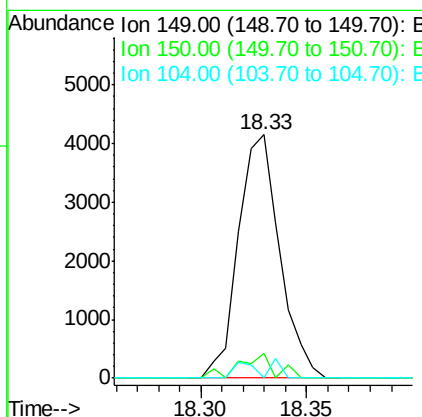
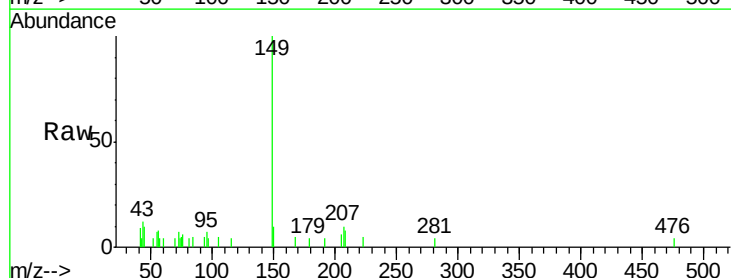
Instrument :
 BNA_G
 ClientSampleId :

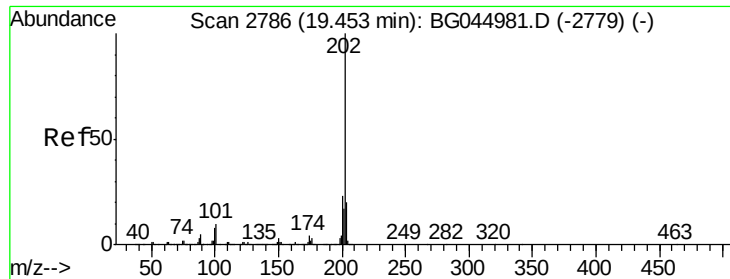
Tot Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#



#74
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 18.33 min Scan# 2594
 Delta R.T. -0.00 min
 Lab File: BG045386.D
 Acq: 14 May 2020 20:30

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.2	8.2	12.2
104	0.0	4.8	7.2#





#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2779

Delta R.T. -0.00 min

Lab File: BG045386.D

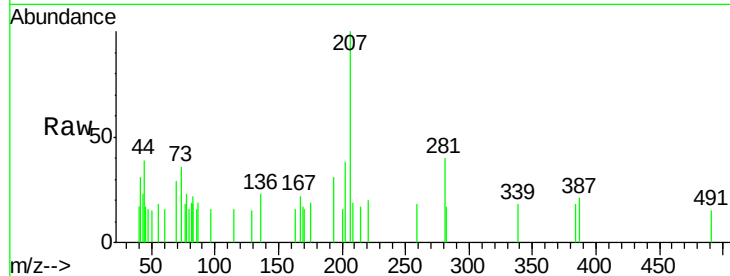
Acq: 14 May 2020 20:30

Instrument :

BNA_G

ClientSampleId :

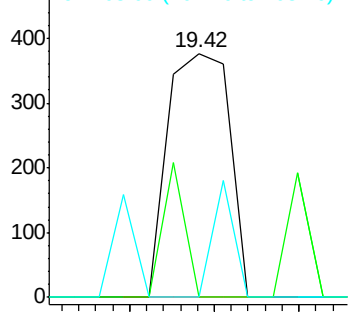
Tot Ion:	202	Resp:	381
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



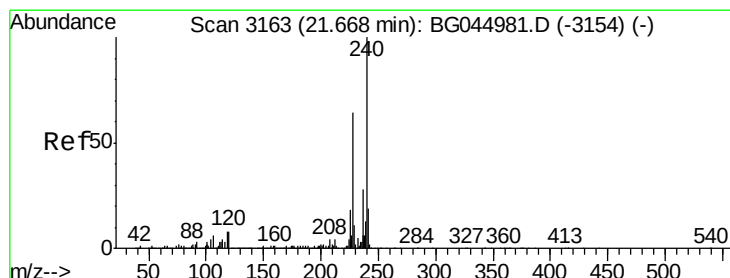
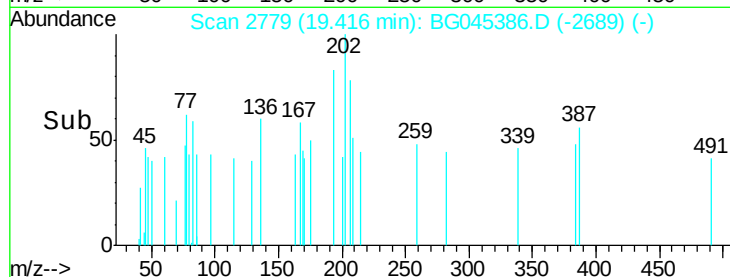
Abundance Ion 202.00 (201.70 to 202.70): E

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

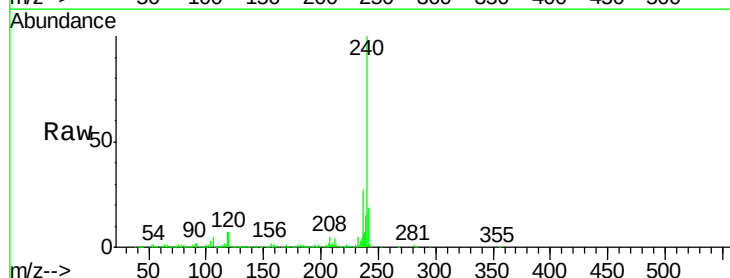
RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

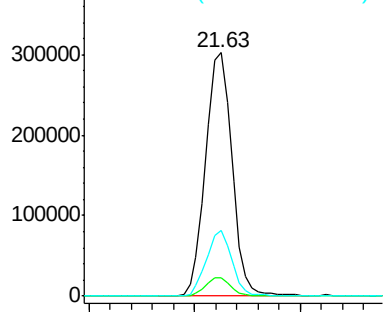
Tgt Ion:	240	Resp:	525697
Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.6	10.0
236	27.1	22.2	33.2



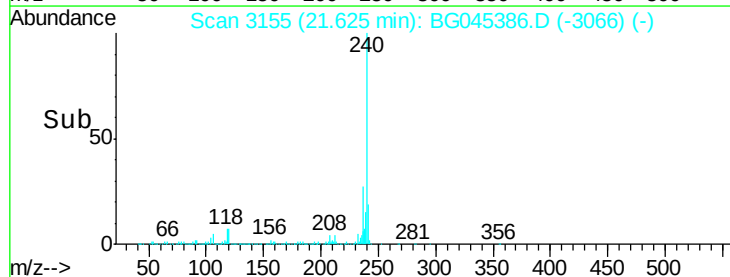
Abundance Ion 240.00 (239.70 to 240.70): E

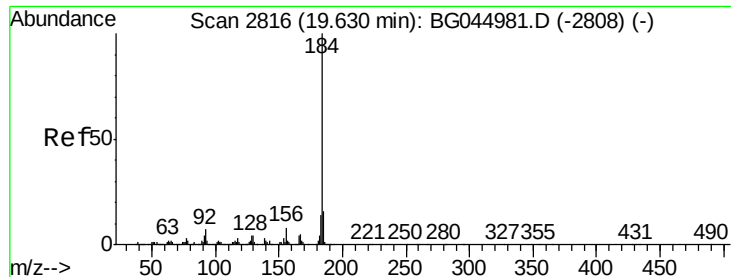
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2875

Delta R.T. 0.39 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

Instrument :

BNA_G

ClientSampleId :

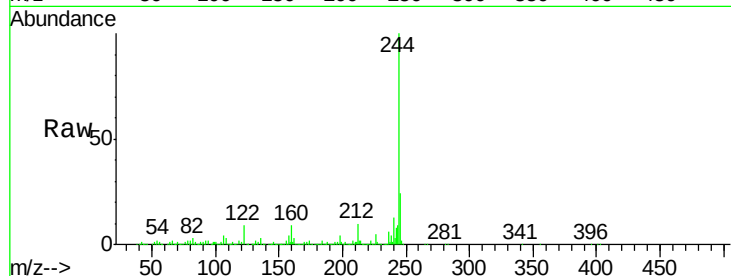
Tot Ion:184 Resp: 37706

Ion Ratio Lower Upper

184 100

185 16.1 12.6 19.0

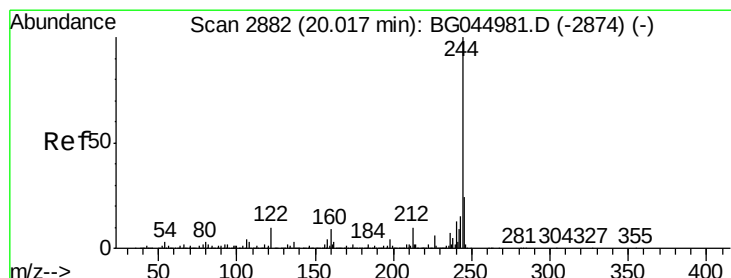
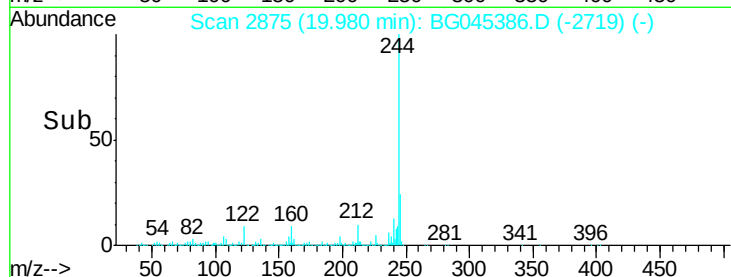
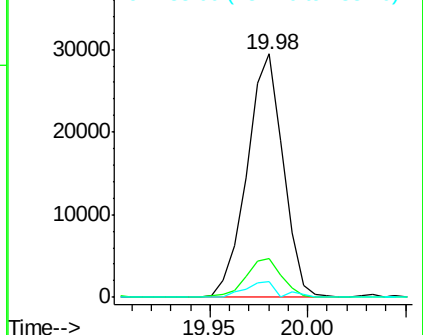
183 6.4 11.3 16.9#



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



#79

Terphenyl-d14

Concen: 82.503 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG045386.D

Acq: 14 May 2020 20:30

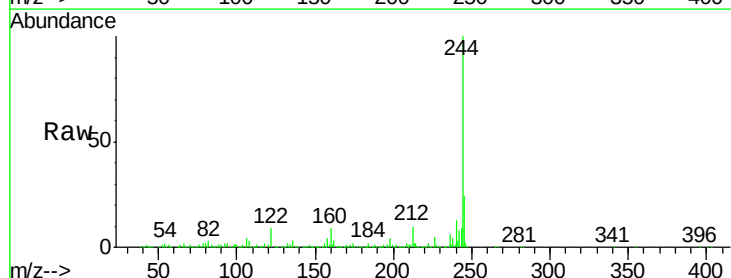
Tgt Ion:244 Resp: 1989917

Ion Ratio Lower Upper

244 100

212 9.8 7.9 11.9

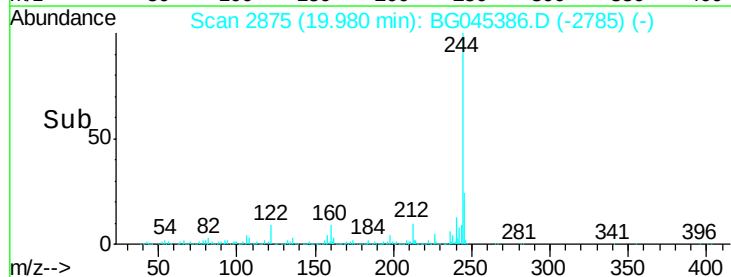
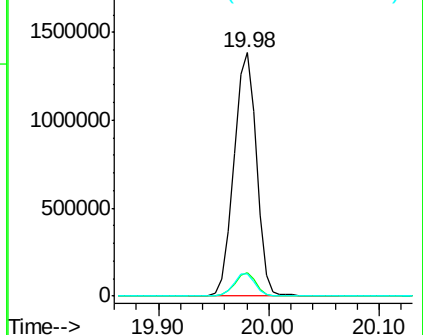
122 8.9 7.7 11.5

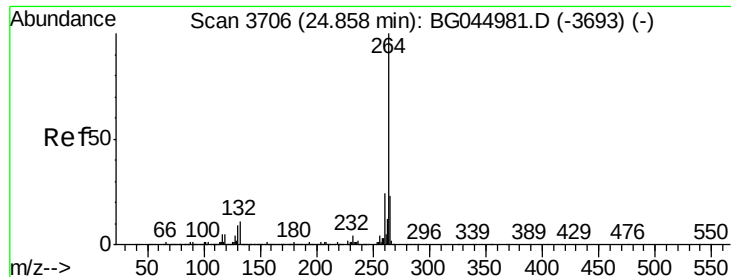


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.79 min Scan# 3693
 Delta R.T. -0.01 min
 Lab File: BG045386.D
 Acq: 14 May 2020 20:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.0	19.0	28.4

