

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045084.D
 Acq On : 19 Apr 2020 2:20
 Operator : CG/JU
 Sample : L2279-07
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-WATER

Quant Time: Apr 20 00:27:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

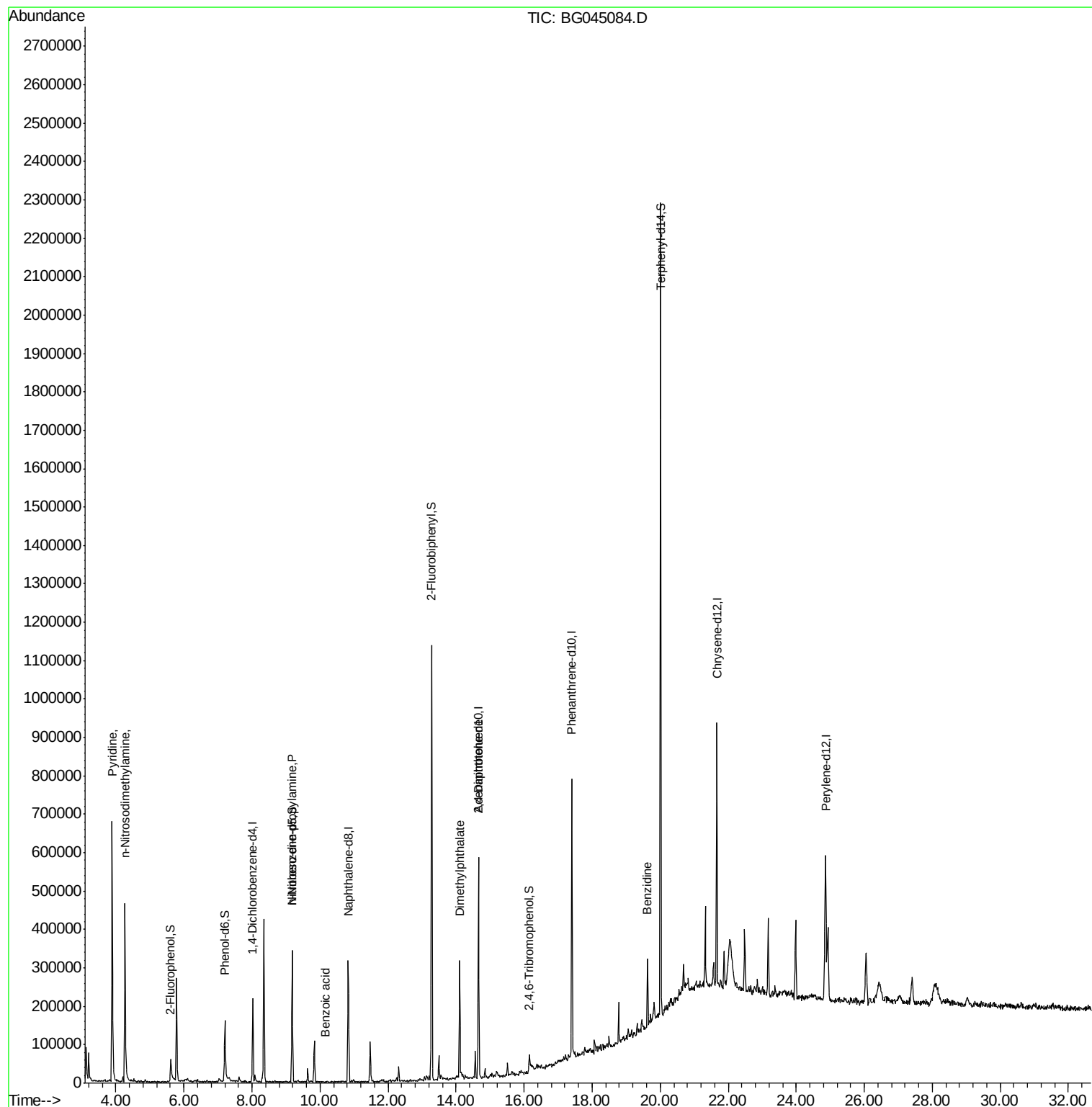
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	63427	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	283671	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	213892	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	474217	20.00	ng	0.00
76) Chrysene-d12	21.66	240	421715	20.00	ng	0.00
87) Perylene-d12	24.86	264	452350	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	48221	12.55	ng	0.02
7) Phenol-d6	7.20	99	139604	24.46	ng	0.02
23) Nitrobenzene-d5	9.18	82	230026	37.00	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	15651	4.74	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	639090	43.81	ng	0.00
79) Terphenyl-d14	20.01	244	985446	50.93	ng	0.00
Target Compounds						
3) Pyridine	3.89	79	481139	91.524	ng	98
4) n-Nitrosodimethylamine	4.27	42	95263	59.154	ng	# 1
9) Benzaldehyde	7.16	77	410	Below Cal	#	74
19) n-Nitroso-di-n-propylamine	9.19	70	31942	7.913	ng	# 73
32) Benzoic acid	10.14	122	67	6.390	ng	# 1
50) Dimethylphthalate	14.11	163	203397	11.679	ng	100
57) 2,4-Dinitrotoluene	14.66	165	26837	4.714	ng	# 22
69) Atrazine	16.87	200	380	Below Cal	#	64
74) Di-n-butylphthalate	18.37	149	3300	Below Cal	#	64
75) Fluoranthene	19.45	202	14448	Below Cal		96
77) Benzydine	19.63	184	118668	4.333	ng	96

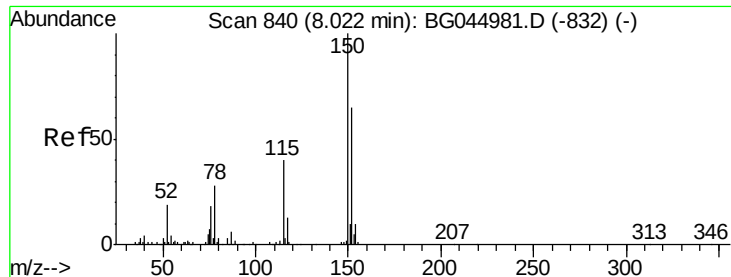
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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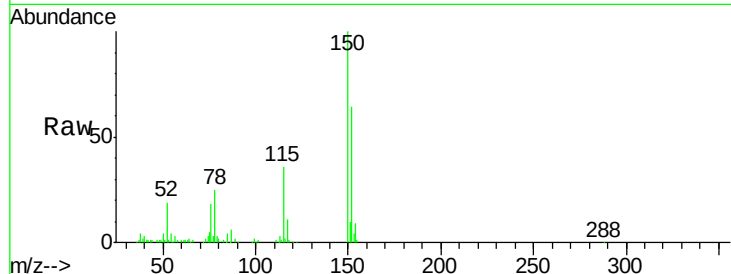


#1

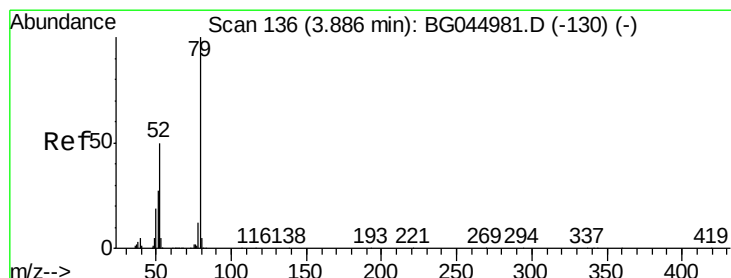
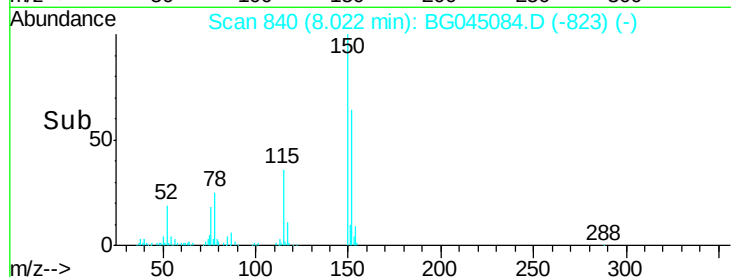
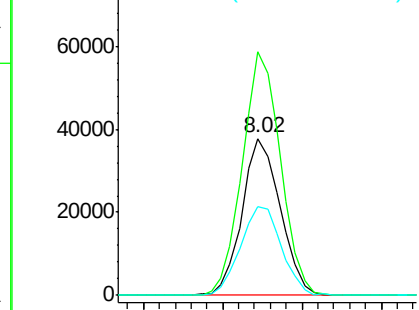
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG045084.D
 Acq: 19 Apr 2020 2:20

Instrument :
 BNA_G
 ClientSampleId :
 OILY-WATER

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.6	185.4
115	56.3	49.1	73.7



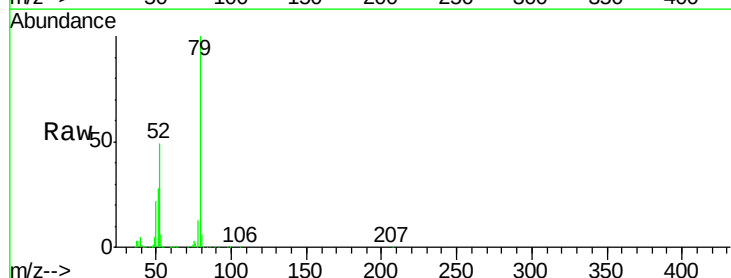
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



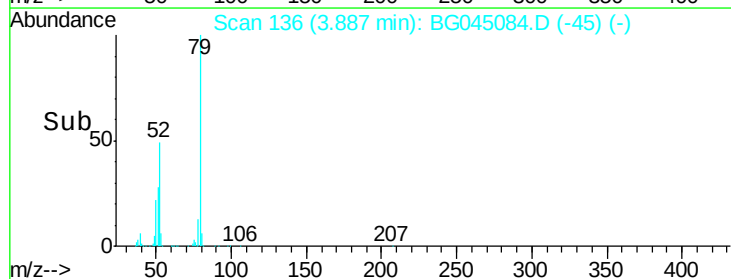
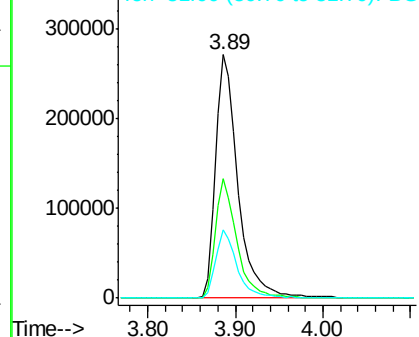
#3

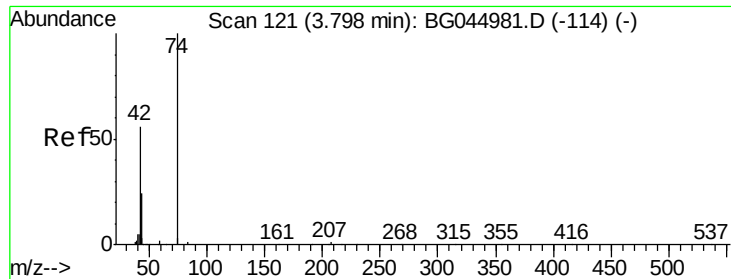
Pyridine
 Concen: 91.524 ng
 RT: 3.89 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: BG045084.D
 Acq: 19 Apr 2020 2:20

Tgt Ion	Ratio	Lower	Upper
79	100		
52	49.0	39.8	59.6
51	28.1	21.4	32.2



Abundance Ion 79.00 (78.70 to 79.70): BGC
 Ion 52.00 (51.70 to 52.70): BGC
 Ion 51.00 (50.70 to 51.70): BGC



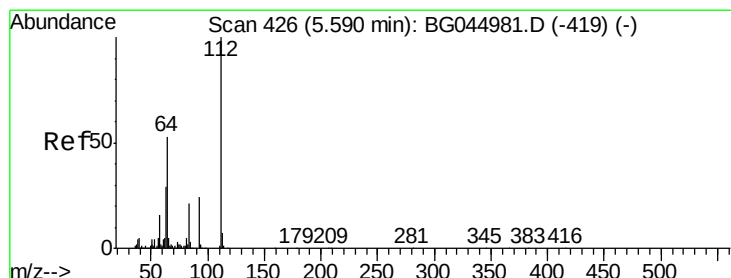
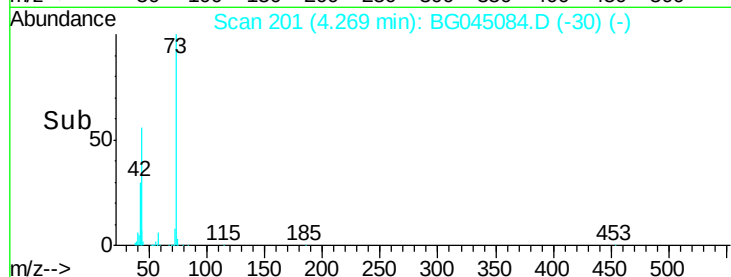
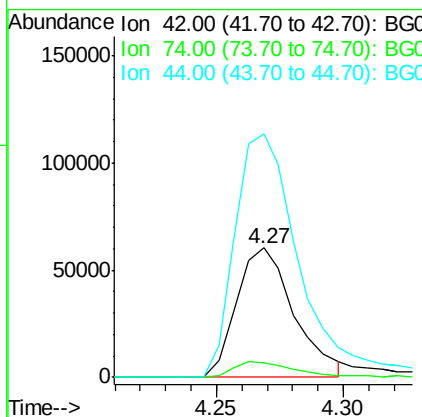
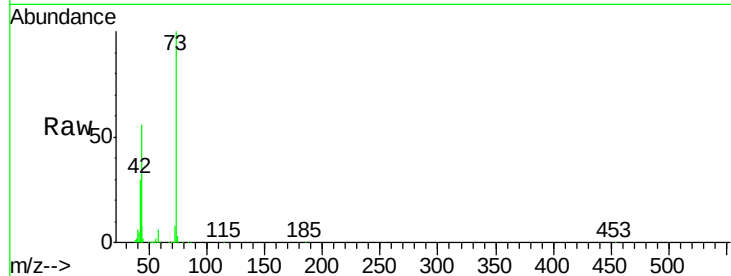


#4

n-Nitrosodimethylamine
 Concen: 59.154 ng
 RT: 4.27 min Scan# 201
 Delta R.T. 0.47 min
 Lab File: BG045084.D
 Acq: 19 Apr 2020 2:20

Instrument :
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 OILY-WATER

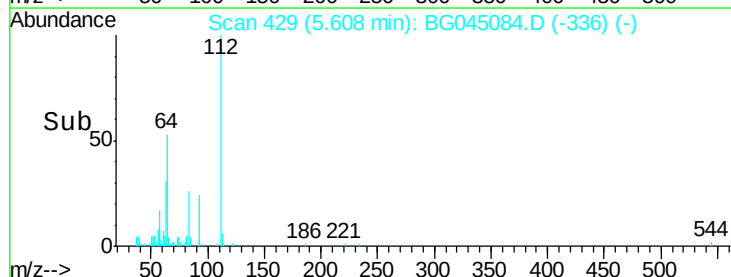
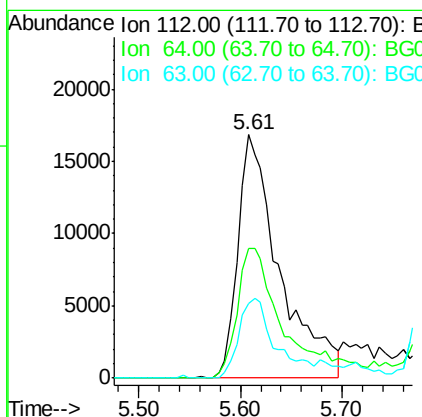
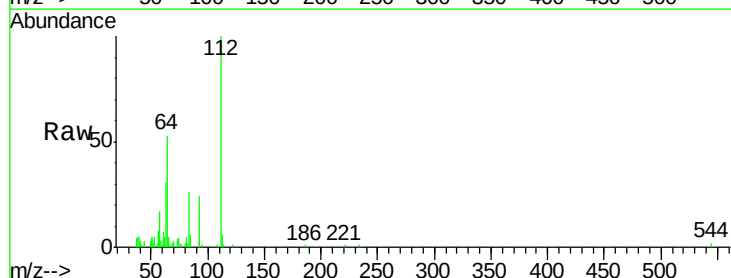
Tot Ion	Ratio	Lower	Upper
42	100		
74	10.9	143.0	214.6#
44	187.9	4.6	6.8#

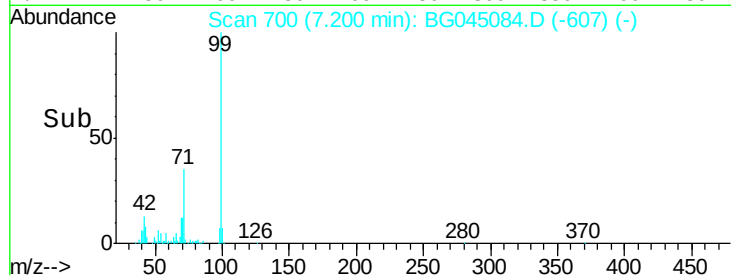
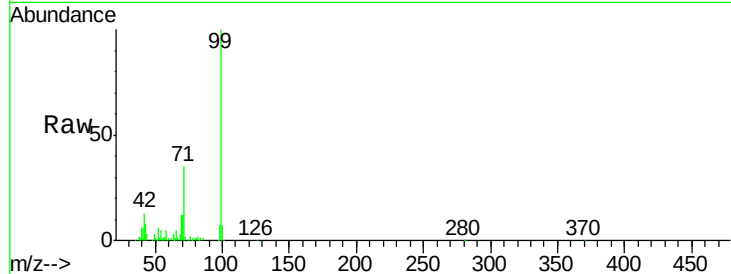
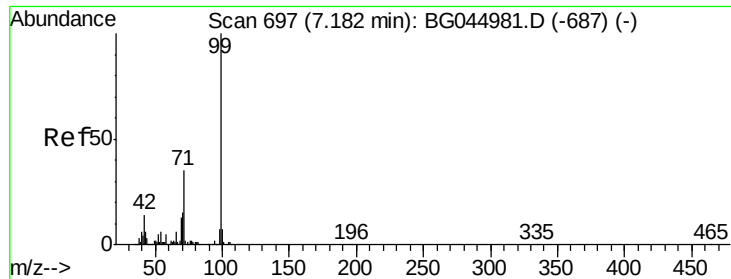


#5

2-Fluorophenol
 Concen: 12.551 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.02 min
 Lab File: BG045084.D
 Acq: 19 Apr 2020 2:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	42.4	63.6
63	30.9	23.1	34.7





#7

Phenol-d6

Concen: 24.457 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.02 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

Instrument :

BNA_G

ClientSampleId :

OILY-WATER

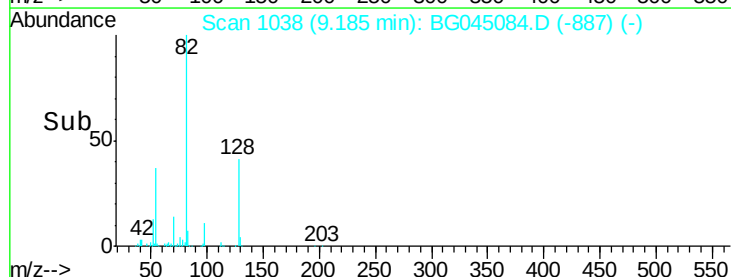
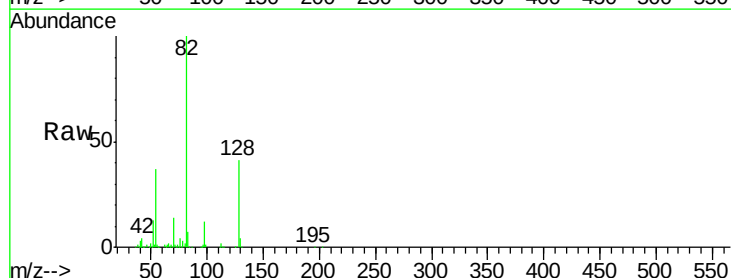
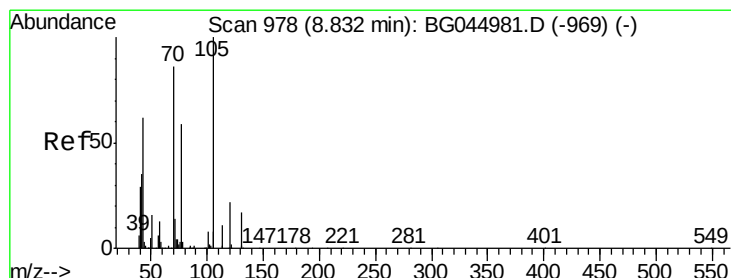
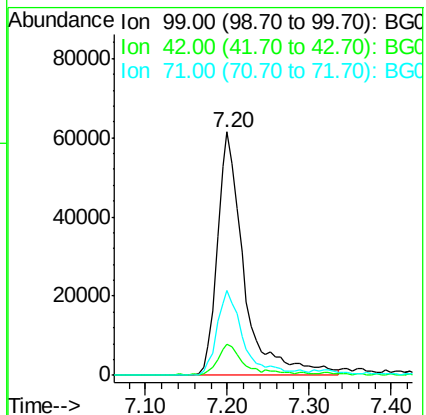
Tot Ion: 99 Resp: 139604

Ion Ratio Lower Upper

99 100

42 12.8 11.3 16.9

71 35.1 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 7.913 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

Tgt Ion: 70 Resp: 31942

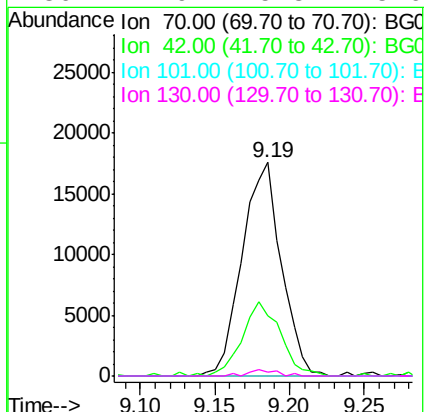
Ion Ratio Lower Upper

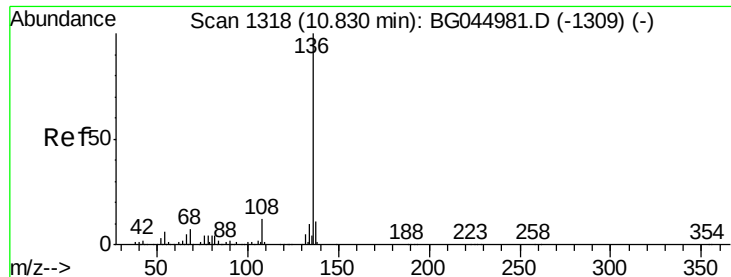
70 100

42 28.4 33.3 49.9#

101 0.0 7.8 11.8#

130 1.9 15.8 23.6#

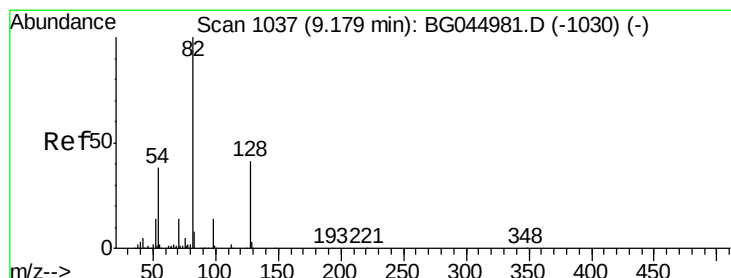
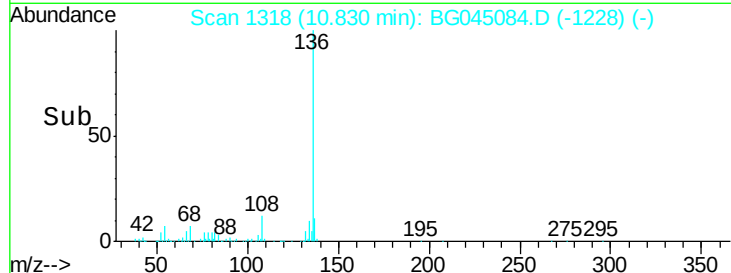
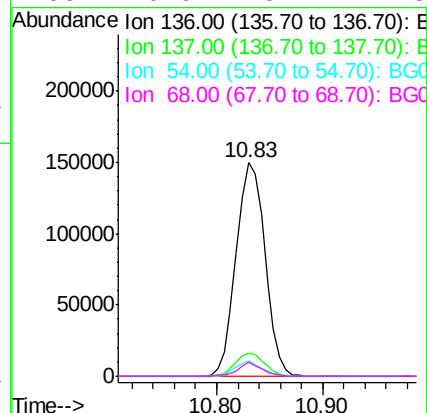
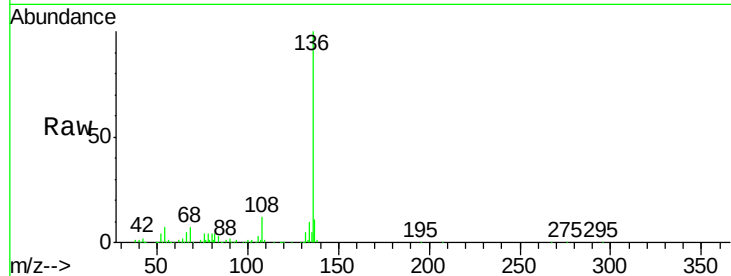




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045084.D
Acq: 19 Apr 2020 2:20

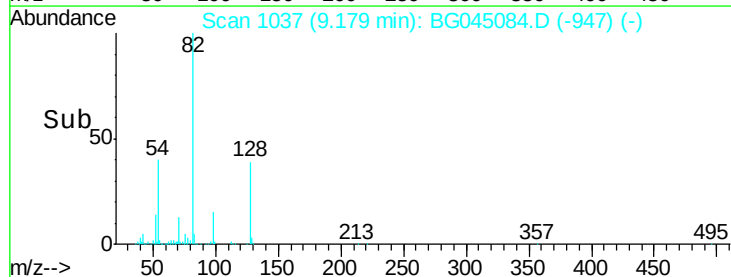
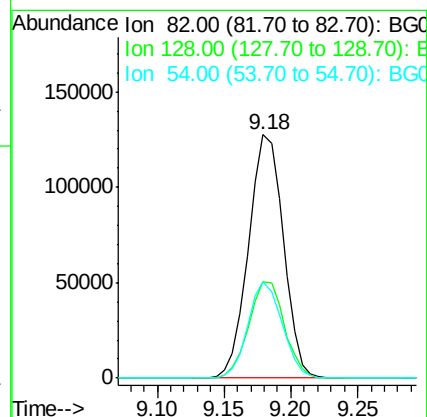
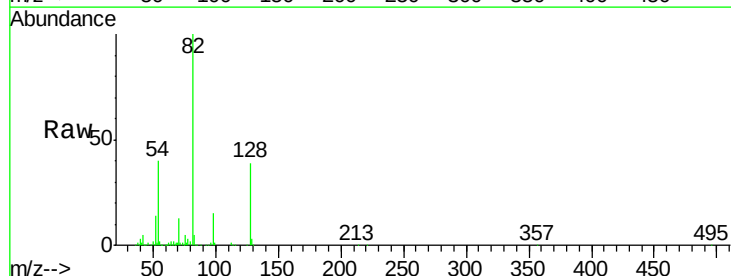
Instrument :
BNA_G
ClientSampleId :
OILY-WATER

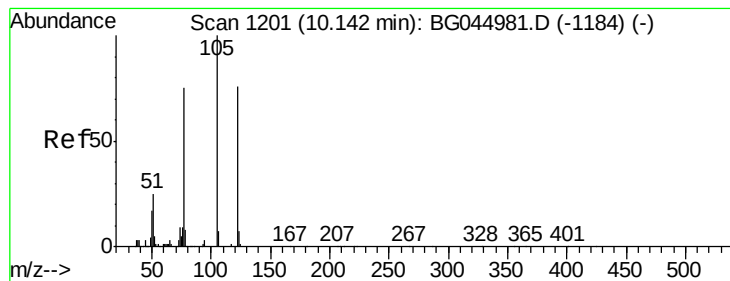
Tot Ion:136	Resp:	283671
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.6 13.0
54	7.0	4.8 7.2
68	6.9	5.2 7.8



#23
Nitrobenzene-d5
Concen: 37.000 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045084.D
Acq: 19 Apr 2020 2:20

Tgt Ion: 82	Resp:	230026
Ion Ratio	Lower	Upper
82	100	
128	39.5	33.0 49.4
54	39.6	30.4 45.6





#32

Benzoic acid

Concen: 6.390 ng

RT: 10.14 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

Instrument :

BNA_G

ClientSampleId :

OILY-WATER

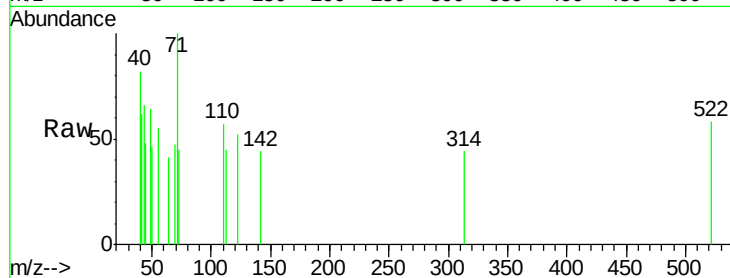
Tot Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

77 0.0 78.8 118.8#

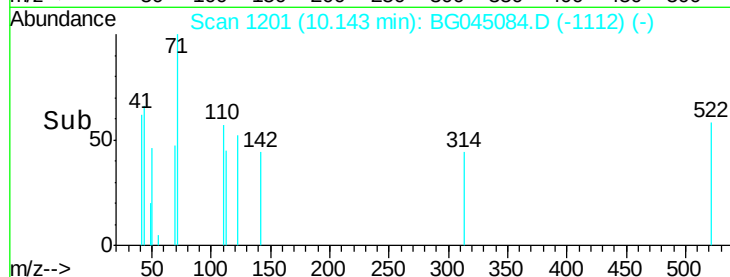


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

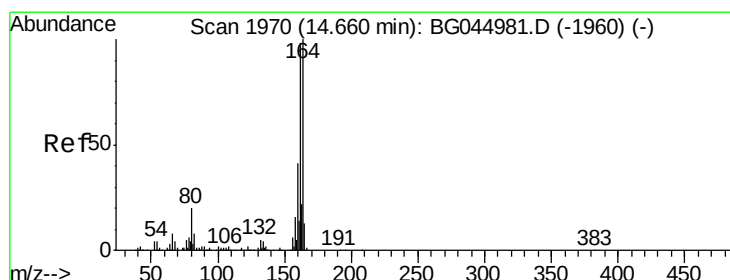
Time-->



10.14

10.16

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

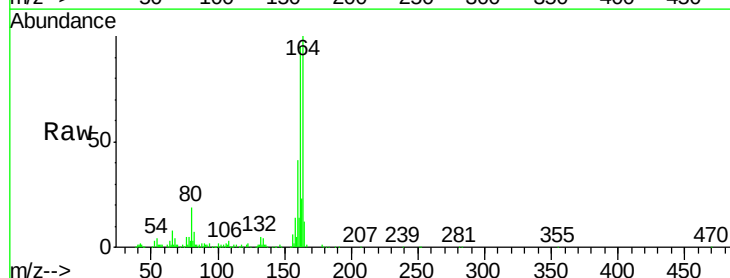
Tgt Ion:164 Resp: 213892

Ion Ratio Lower Upper

164 100

162 95.2 78.7 118.1

160 40.7 32.8 49.2

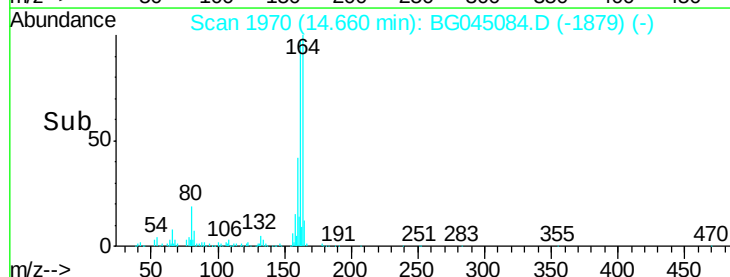


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

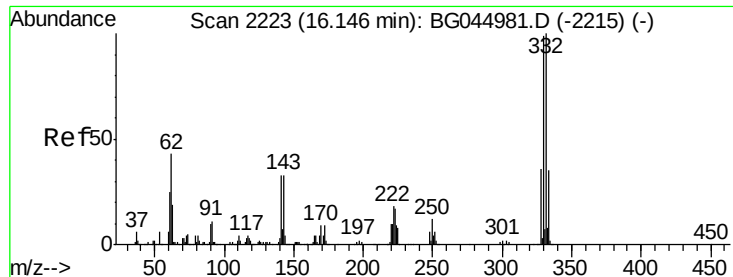
Time-->



14.66

14.70

Time-->



#42

2,4,6-Tribromophenol

Concen: 4.736 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

Instrument :

BNA_G

ClientSampled :

OILY-WATER

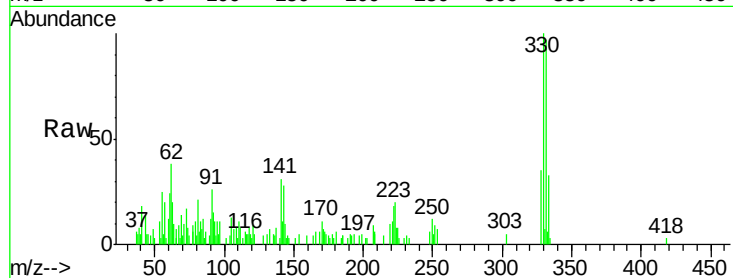
Tot Ion:330 Resp: 15651

Ion Ratio Lower Upper

330 100

332 105.1 79.1 118.7

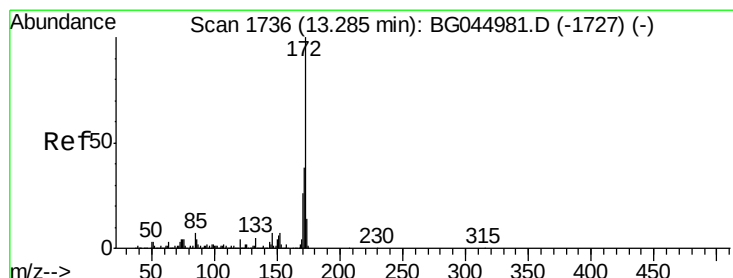
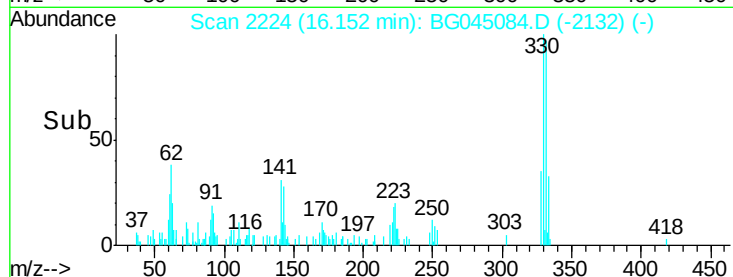
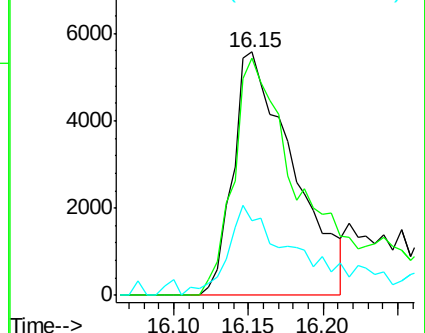
141 40.3 27.1 40.7



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: 43.812 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

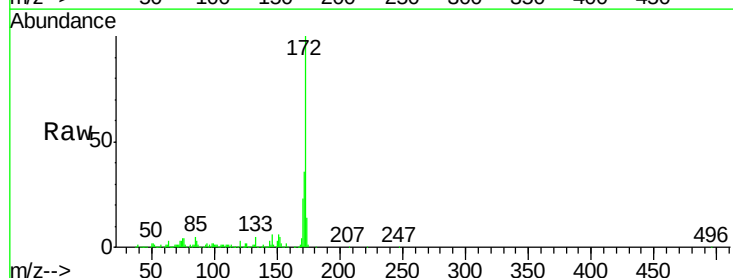
Tgt Ion:172 Resp: 639090

Ion Ratio Lower Upper

172 100

171 35.6 30.6 46.0

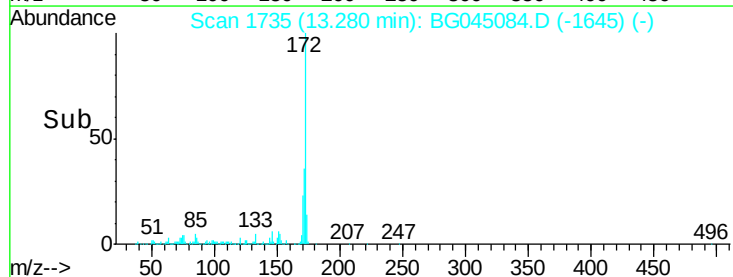
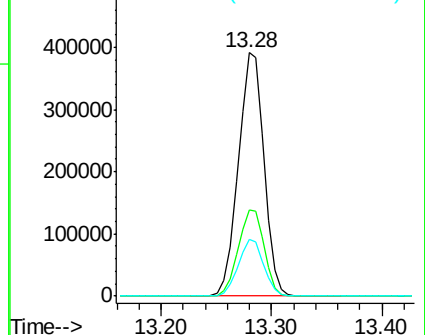
170 23.3 20.5 30.7

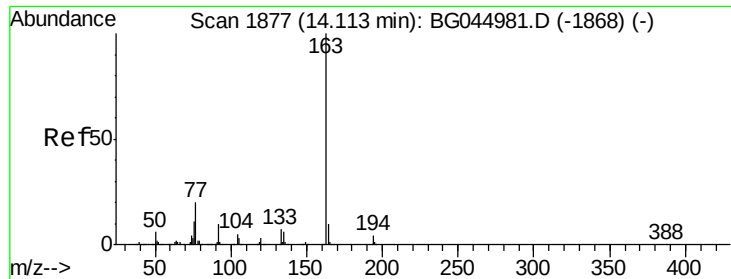


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.679 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

Instrument :

BNA_G

ClientSampleId :

OILY-WATER

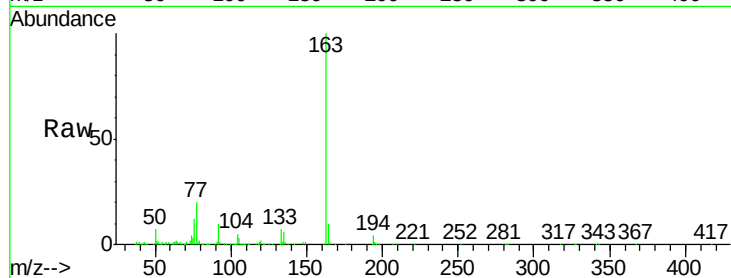
Tot Ion:163 Resp: 203397

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

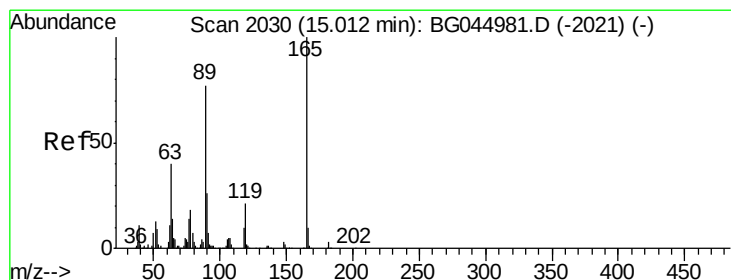
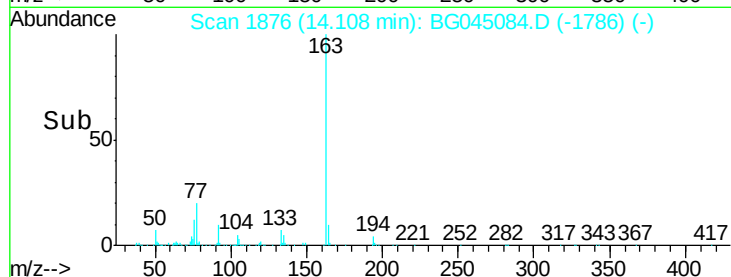
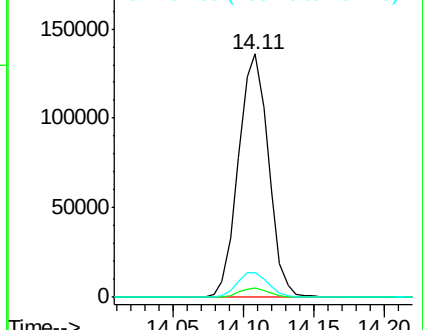
164 10.4 8.2 12.4



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: 4.714 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.35 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

Tgt Ion:165 Resp: 26837

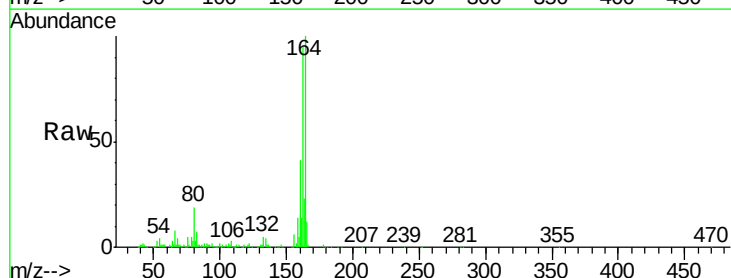
Ion Ratio Lower Upper

165 100

63 1.3 32.2 48.2#

89 1.3 61.7 92.5#

182 0.0 2.0 3.0#

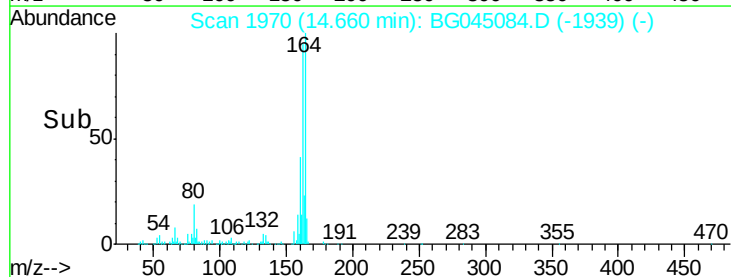
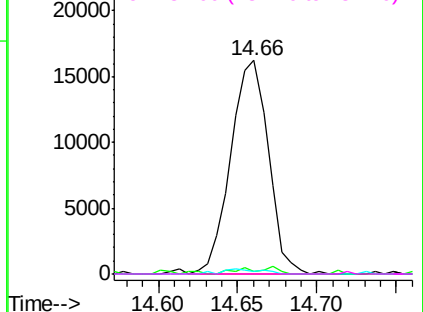


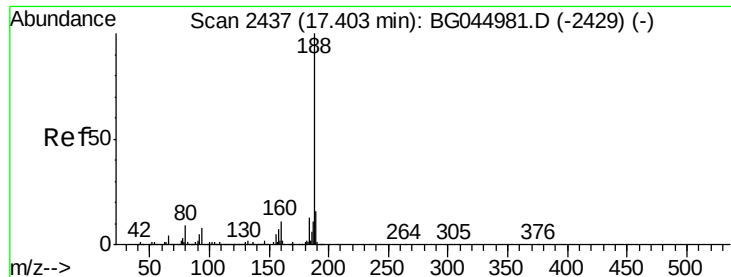
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

Instrument :

BNA_G

ClientSampleId :

OILY-WATER

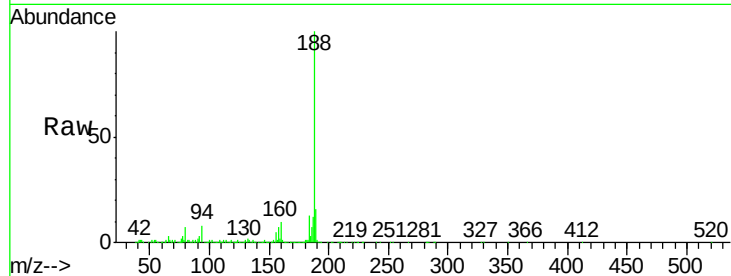
Tot Ion:188 Resp: 474217

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.4

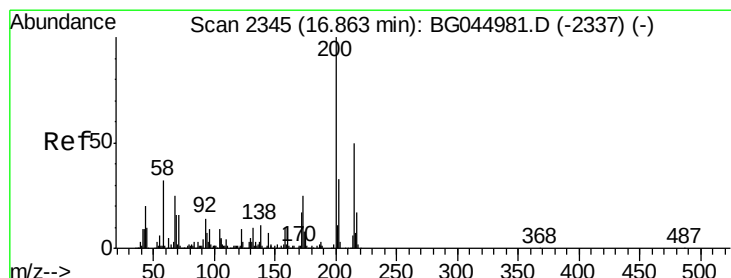
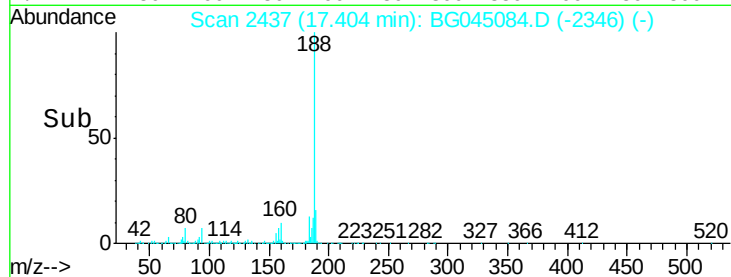
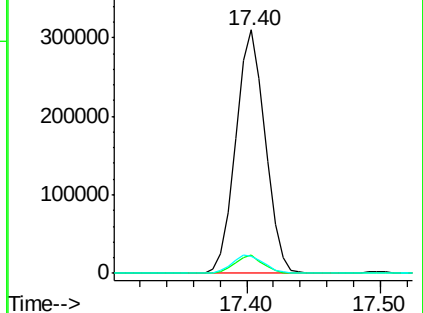
80 6.9 7.0 10.6#



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



#69

Atrazine

Concen: Below Cal

RT: 16.87 min Scan# 2346

Delta R.T. 0.01 min

Lab File: BG045084.D

Acq: 19 Apr 2020 2:20

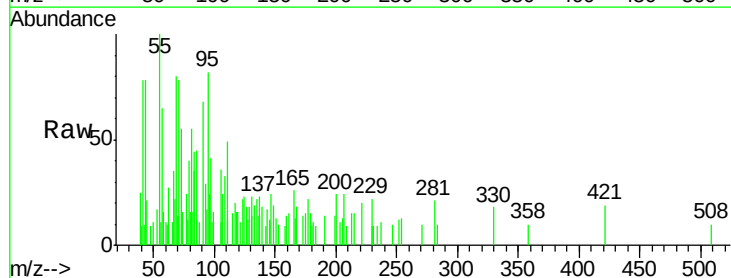
Tgt Ion:200 Resp: 380

Ion Ratio Lower Upper

200 100

173 59.4 4.5 44.5#

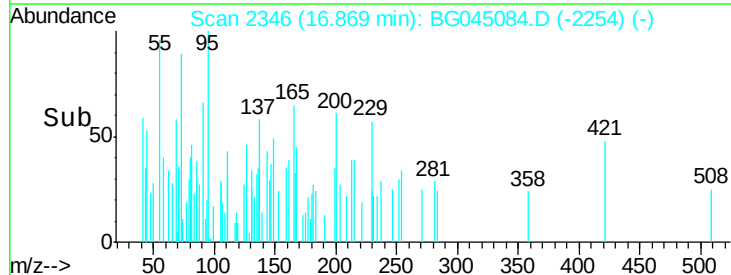
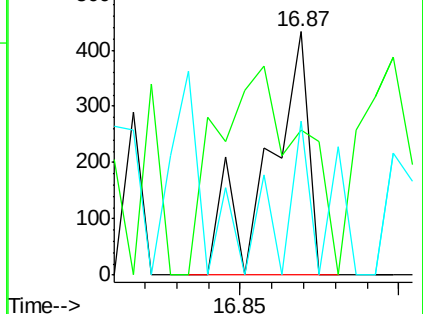
215 63.3 30.0 70.0

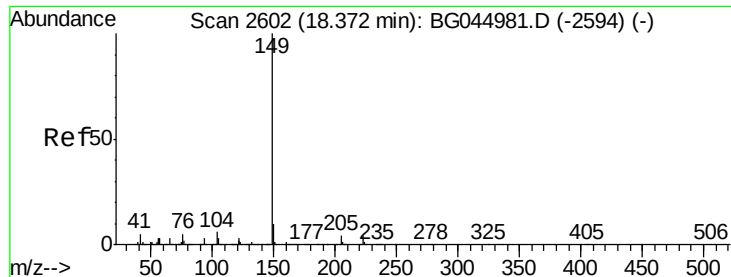


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

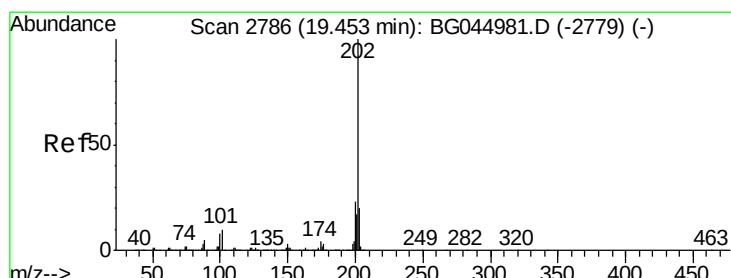
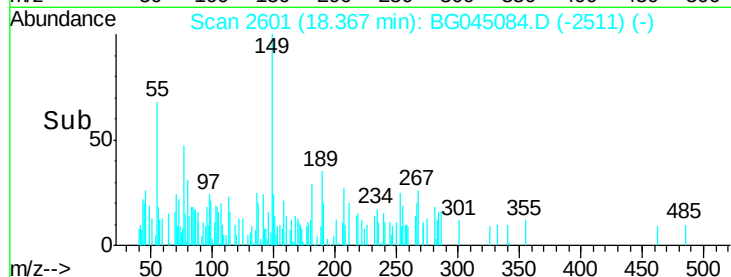
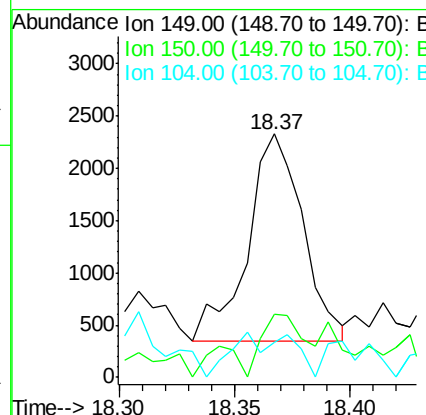
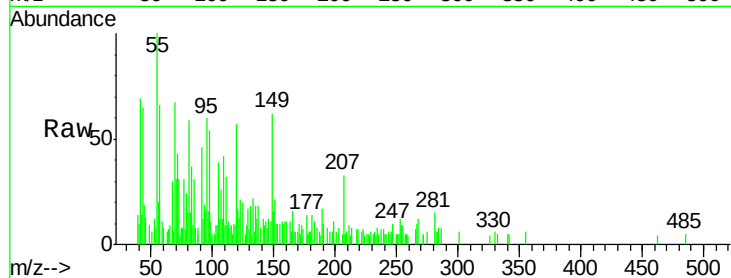




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.37 min Scan# 2601
Delta R.T. -0.00 min
Lab File: BG045084.D
Acq: 19 Apr 2020 2:20

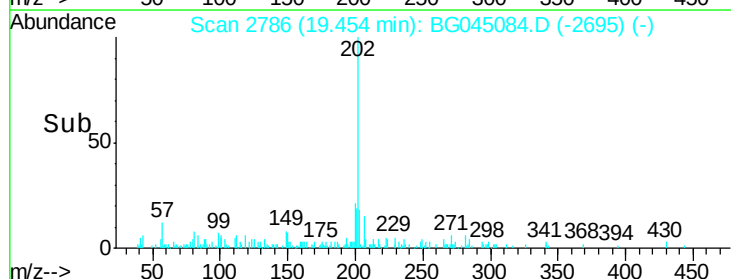
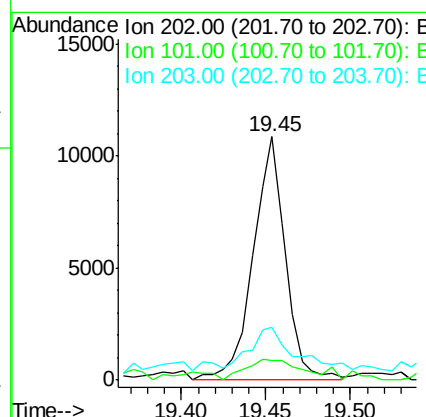
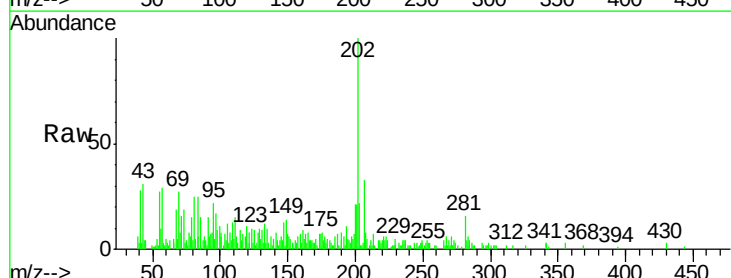
Instrument :
BNA_G
ClientSampleId :
OILY-WATER

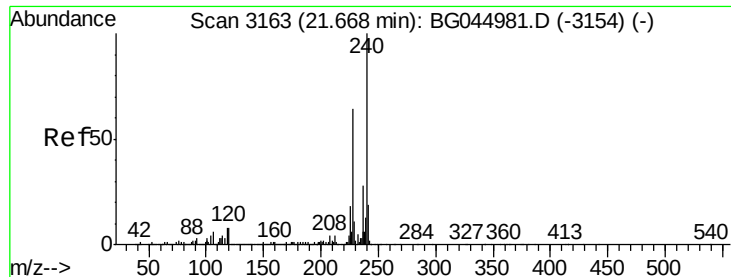
Tot Ion:149 Resp: 3300
Ion Ratio Lower Upper
149 100
150 26.1 8.2 12.2#
104 14.2 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.45 min Scan# 2786
Delta R.T. 0.00 min
Lab File: BG045084.D
Acq: 19 Apr 2020 2:20

Tgt Ion:202 Resp: 14448
Ion Ratio Lower Upper
202 100
101 8.0 0.0 29.6
203 21.6 0.0 39.7

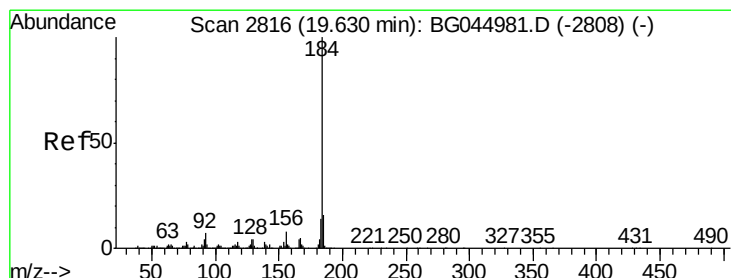
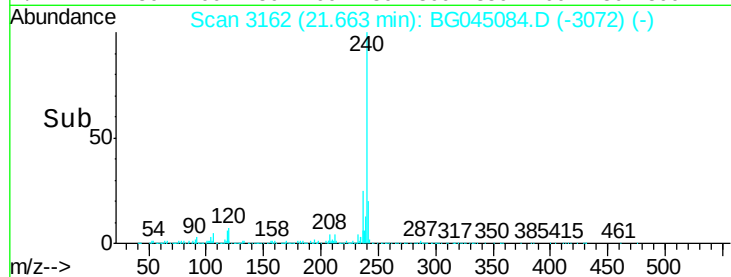
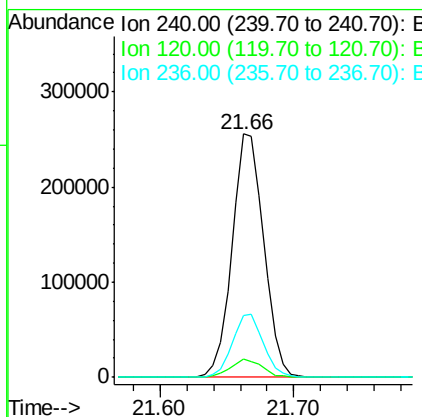
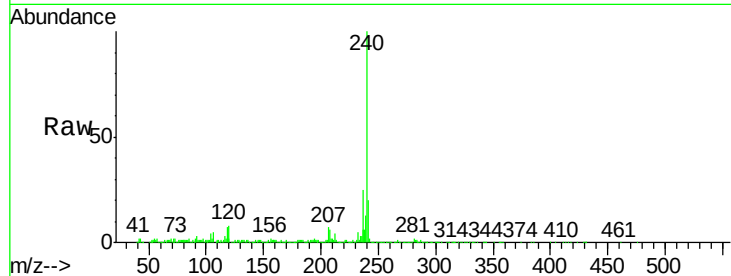




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BG045084.D
Acq: 19 Apr 2020 2:20

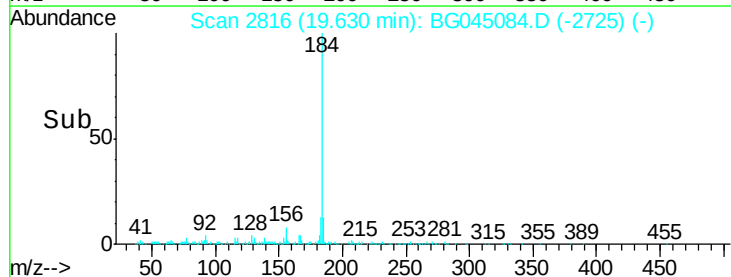
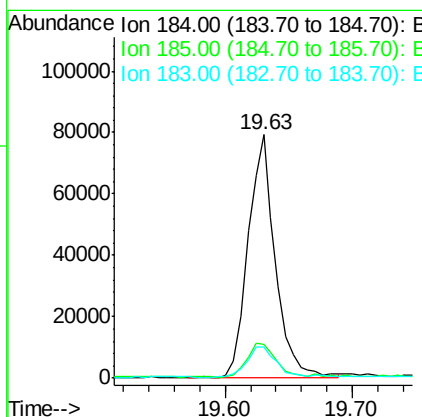
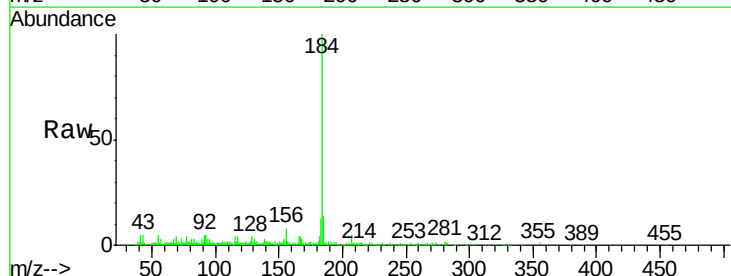
Instrument :
BNA_G
ClientSampleId :
OILY-WATER

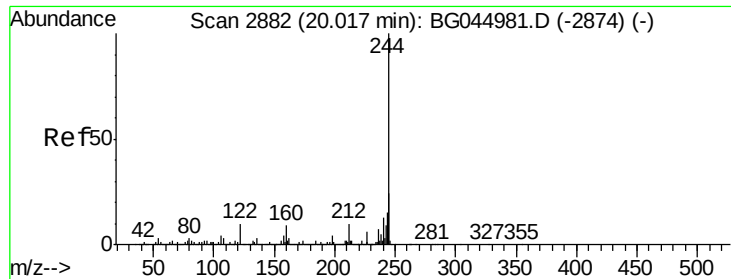
Tot Ion:240 Resp: 421715
Ion Ratio Lower Upper
240 100
120 7.5 6.6 10.0
236 25.5 22.2 33.2



#77
Benzidine
Concen: 4.333 ng
RT: 19.63 min Scan# 2816
Delta R.T. 0.00 min
Lab File: BG045084.D
Acq: 19 Apr 2020 2:20

Tgt Ion:184 Resp: 118668
Ion Ratio Lower Upper
184 100
185 13.8 12.6 19.0
183 12.9 11.3 16.9

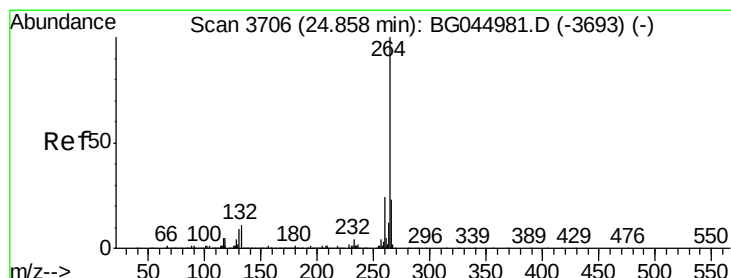
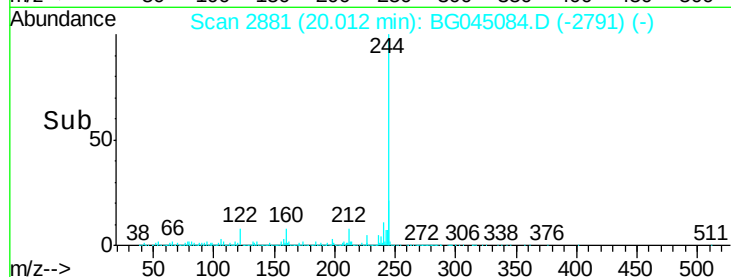
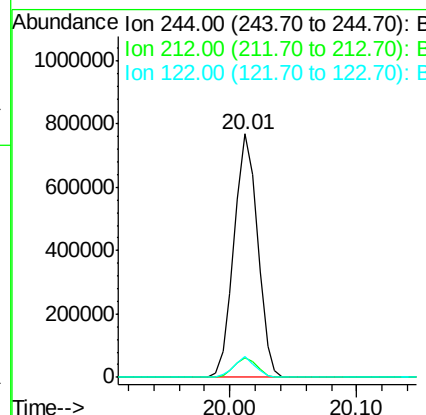
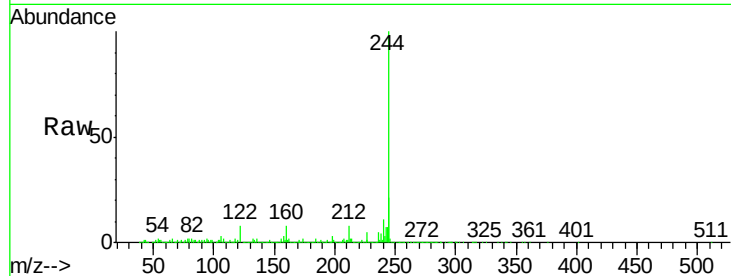




#79
 Terphenyl-d14
 Concen: 50.931 ng
 RT: 20.01 min Scan# 2881
 Delta R.T. -0.00 min
 Lab File: BG045084.D
 Acq: 19 Apr 2020 2:20

Instrument :
 BNA_G
 ClientSampleId :
 OILY-WATER

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.9	11.9
122	8.5	7.7	11.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3707
 Delta R.T. 0.01 min
 Lab File: BG045084.D
 Acq: 19 Apr 2020 2:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	21.2	19.0	28.4

