

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045076.D
 Acq On : 18 Apr 2020 21:00
 Operator : CG/JU
 Sample : L2271-08
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-2020-04-13

Quant Time: Apr 20 00:23:34 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	62912	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	269577	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	214927	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	497760	20.00	ng	0.00
76) Chrysene-d12	21.66	240	457852	20.00	ng	0.00
87) Perylene-d12	24.85	264	497131	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	503467	132.12	ng	0.00
7) Phenol-d6	7.18	99	799283	141.17	ng	0.00
23) Nitrobenzene-d5	9.17	82	549646	93.03	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	500026	150.59	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1387486	94.66	ng	0.00
79) Terphenyl-d14	20.01	244	2183802	103.96	ng	0.00

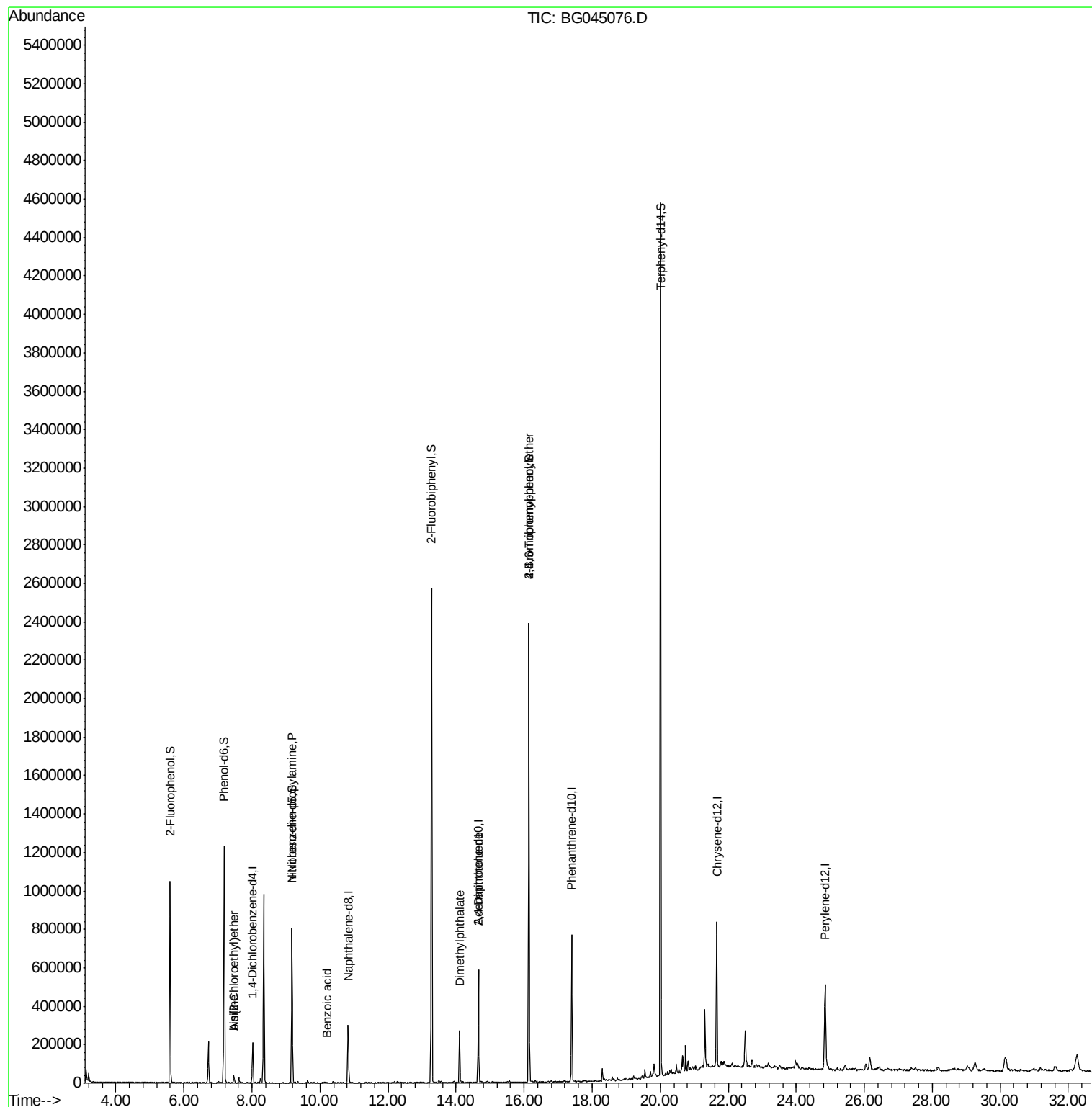
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.47	93	17835	2.423	ng	# 51
9) Benzaldehyde	7.18	77	2086	Below Cal		# 4
11) bis(2-Chloroethyl)ether	7.47	93	17835	3.954	ng	# 26
19) n-Nitroso-di-n-propylamine	9.17	70	75564	18.872	ng	# 76
32) Benzoic acid	10.22	122	59	6.389	ng	# 1
50) Dimethylphthalate	14.10	163	185222	10.584	ng	# 98
57) 2,4-Dinitrotoluene	14.65	165	26548	4.641	ng	# 22
67) 4-Bromophenyl-phenylether	16.14	248	35104	5.467	ng	# 1
69) Atrazine	16.95	200	59	Below Cal		# 35
74) Di-n-butylphthalate	18.36	149	1147	Below Cal		# 69
75) Fluoranthene	19.51	202	113	Below Cal		# 62
77) Benzidine	20.01	184	44544	Below Cal		# 90

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

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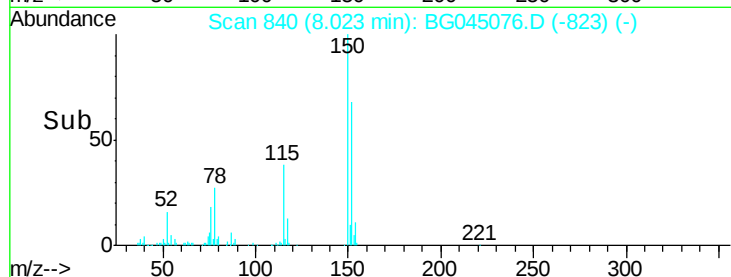
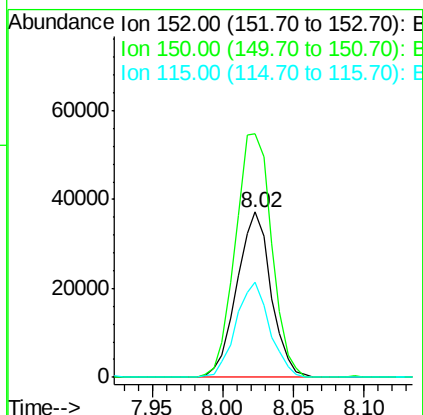
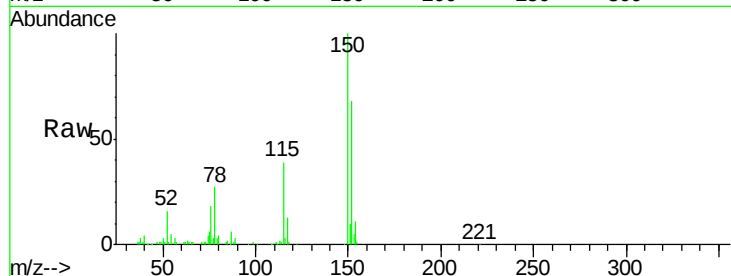


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045076.D
Acq: 18 Apr 2020 21:00

Instrument :
BNA_G
ClientSampleId :
DUP-2020-04-13

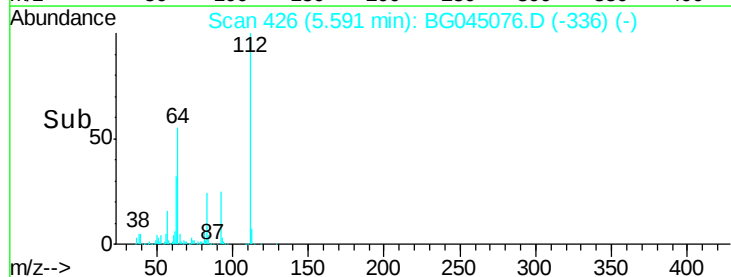
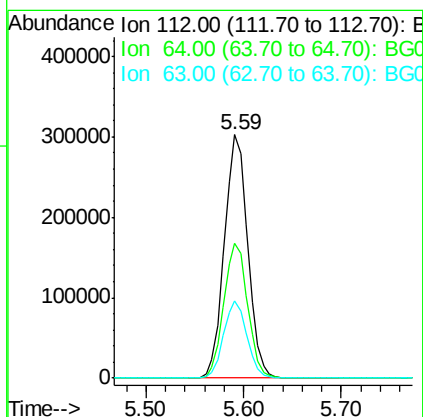
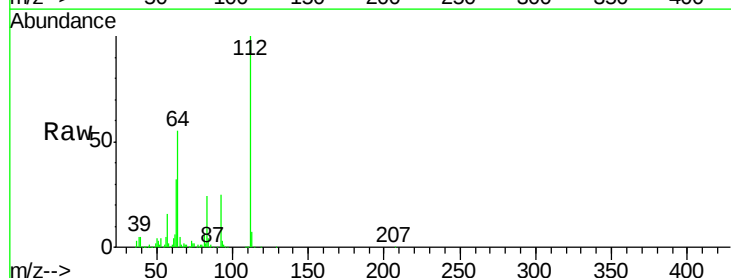
Tot Ion:152 Resp: 62912
Ion Ratio Lower Upper
152 100
150 147.4 123.6 185.4
115 57.7 49.1 73.7

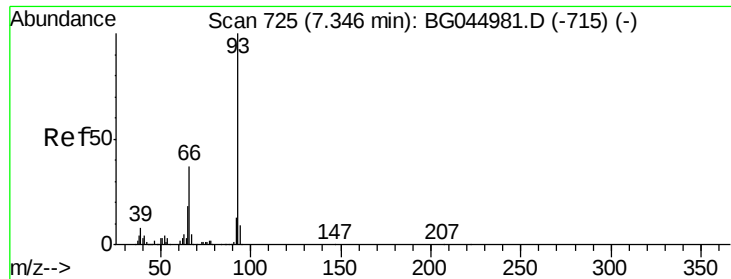


#5

2-Fluorophenol
Concen: 132.121 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045076.D
Acq: 18 Apr 2020 21:00

Tgt Ion:112 Resp: 503467
Ion Ratio Lower Upper
112 100
64 55.4 42.4 63.6
63 31.9 23.1 34.7





#6

Aniline

Concen: 2.423 ng

RT: 7.47 min Scan# 746

Delta R.T. 0.13 min

Lab File: BG045076.D

Acq: 18 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

DUP-2020-04-13

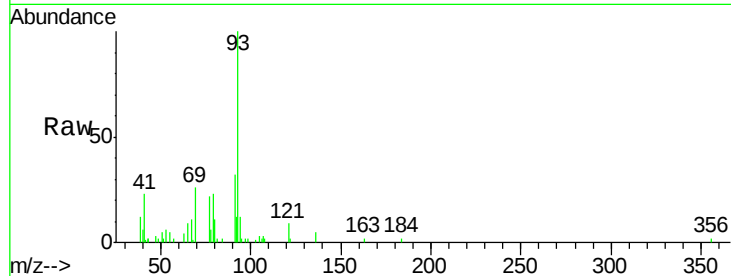
Tot Ion: 93 Resp: 17835

Ion Ratio Lower Upper

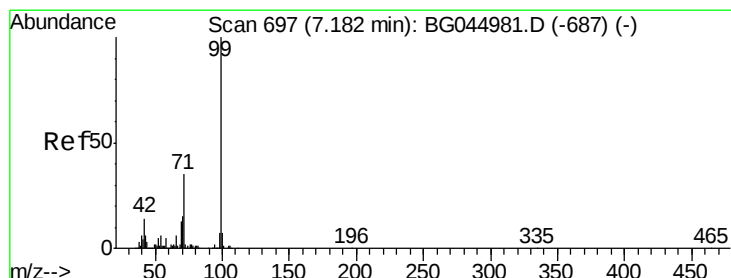
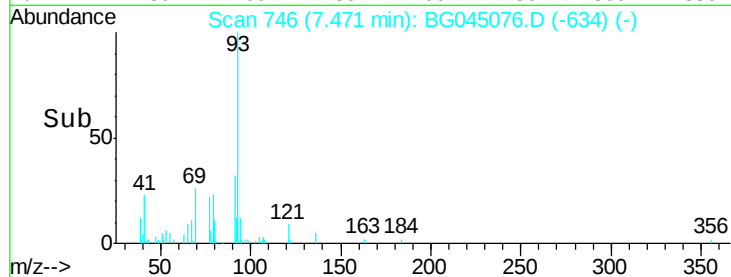
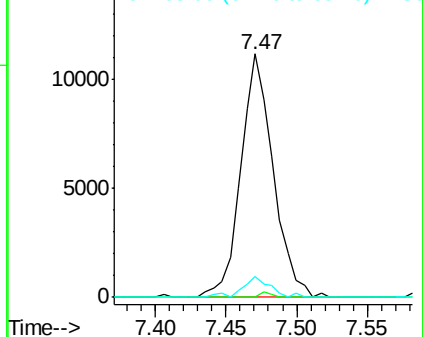
93 100

66 0.0 29.8 44.8#

65 8.7 14.6 22.0#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 141.174 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045076.D

Acq: 18 Apr 2020 21:00

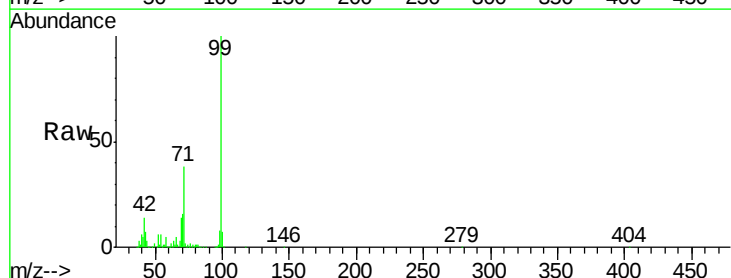
Tgt Ion: 99 Resp: 799283

Ion Ratio Lower Upper

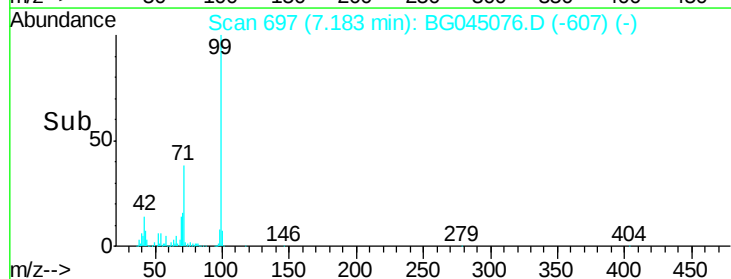
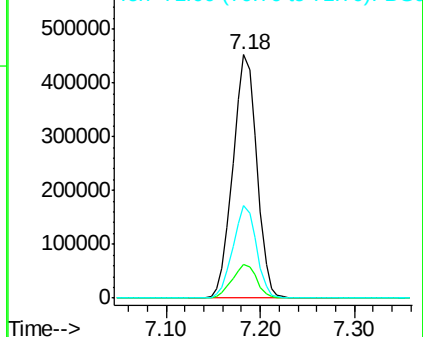
99 100

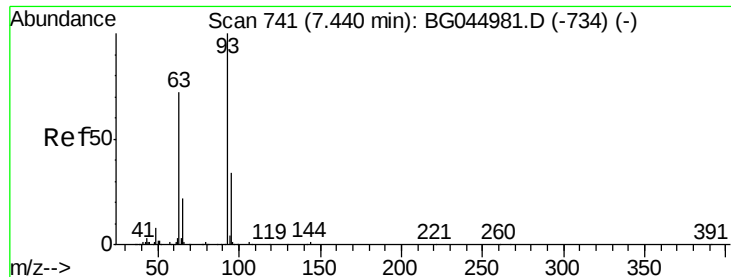
42 14.1 11.3 16.9

71 38.2 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

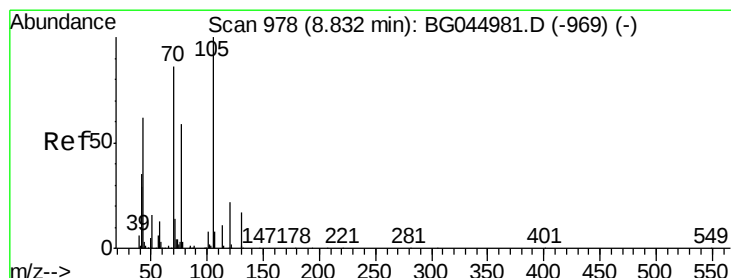
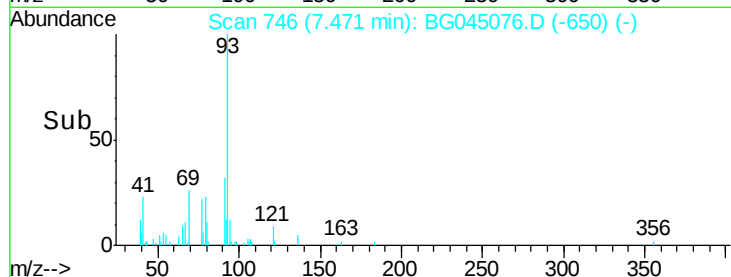
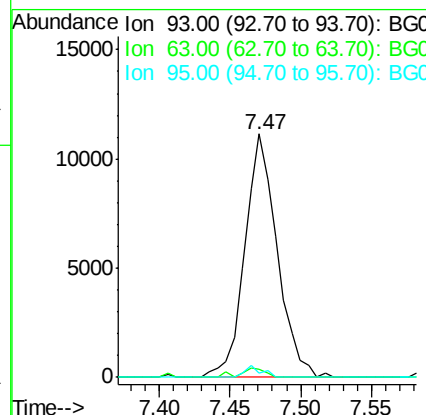
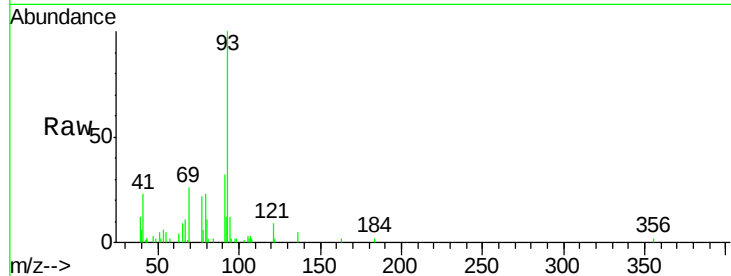




#11
bis(2-Chloroethyl)ether
Concen: 3.954 ng
RT: 7.47 min Scan# 746
Delta R.T. 0.03 min
Lab File: BG045076.D
Acq: 18 Apr 2020 21:00

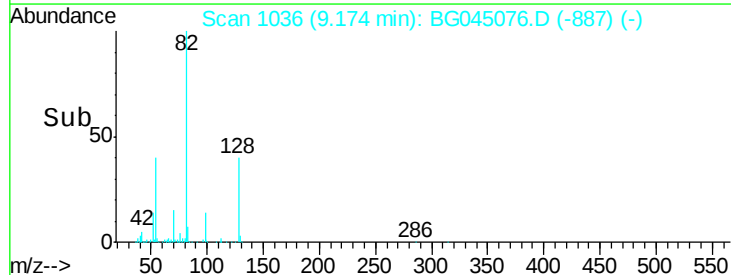
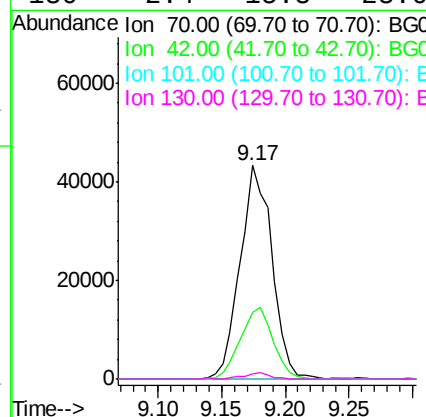
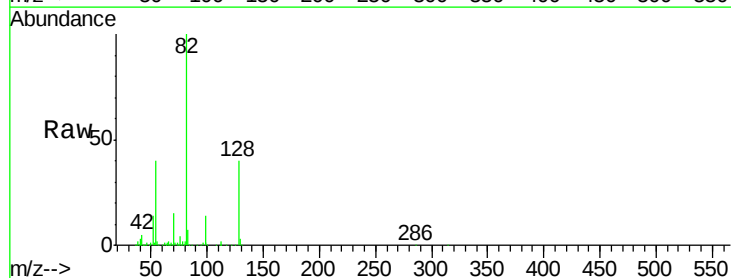
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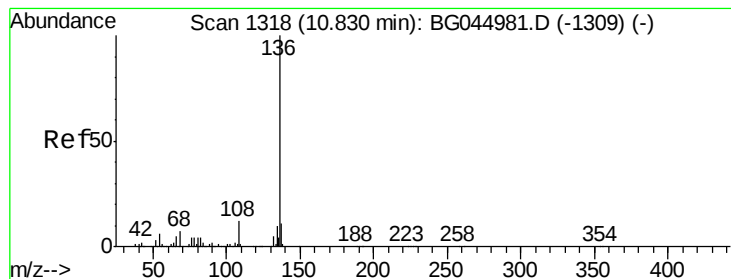
Tot Ion	Ratio	Lower	Upper
93	100		
63	3.5	51.8	91.8#
95	1.6	13.8	53.8#



#19
n-Nitroso-di-n-propylamine
Concen: 18.872 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.34 min
Lab File: BG045076.D
Acq: 18 Apr 2020 21:00

Tgt Ion	Ratio	Lower	Upper
70	100		
42	31.5	33.3	49.9#
101	0.0	7.8	11.8#
130	2.4	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: BG045076.D

Acq: 18 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

DUP-2020-04-13

Tot Ion:136 Resp: 269577

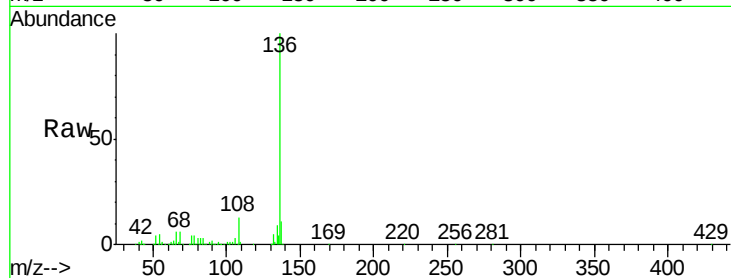
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 5.3 4.8 7.2

68 6.3 5.2 7.8

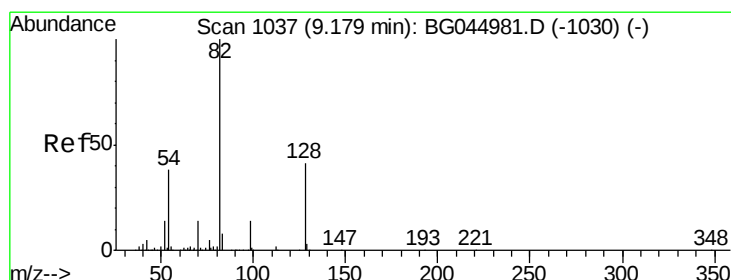
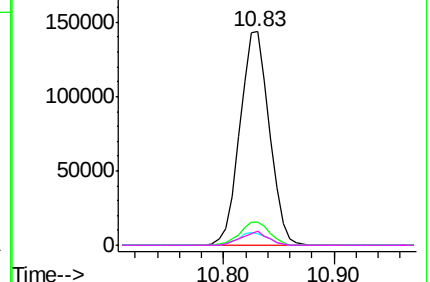
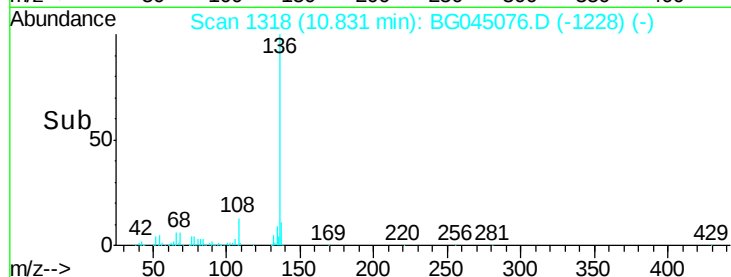


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.034 ng

RT: 9.17 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BG045076.D

Acq: 18 Apr 2020 21:00

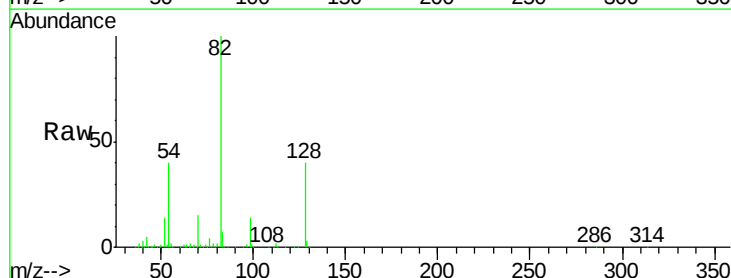
Tgt Ion: 82 Resp: 549646

Ion Ratio Lower Upper

82 100

128 40.0 33.0 49.4

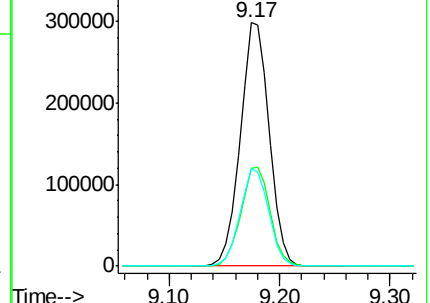
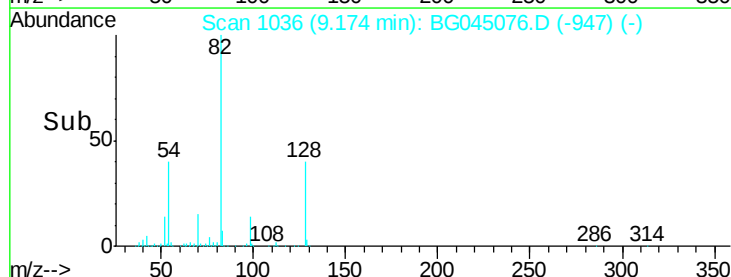
54 39.9 30.4 45.6

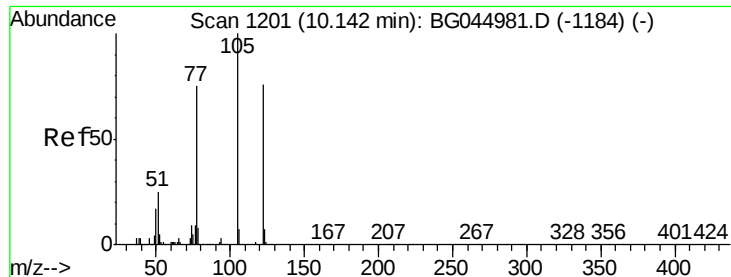


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

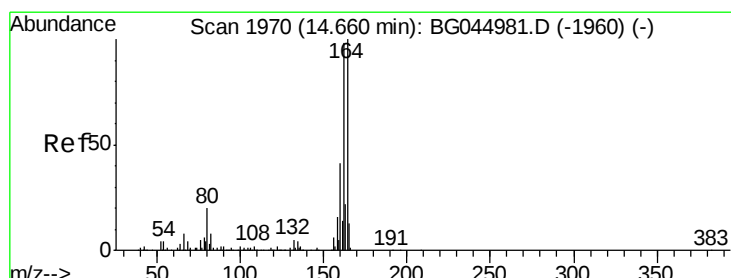
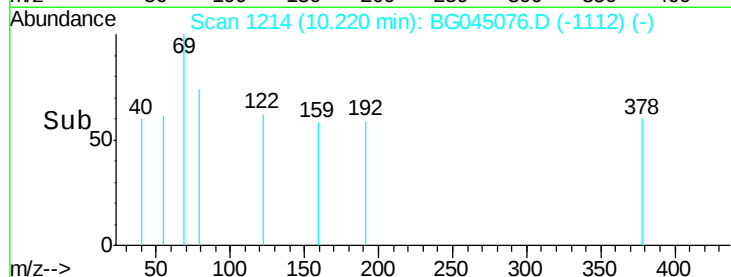
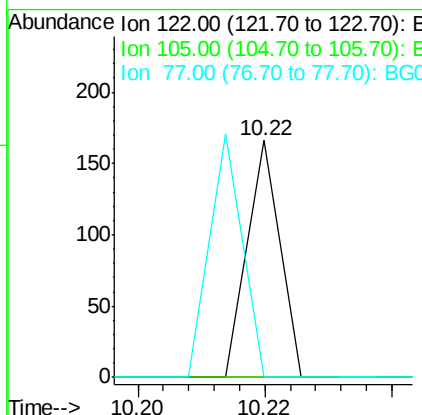
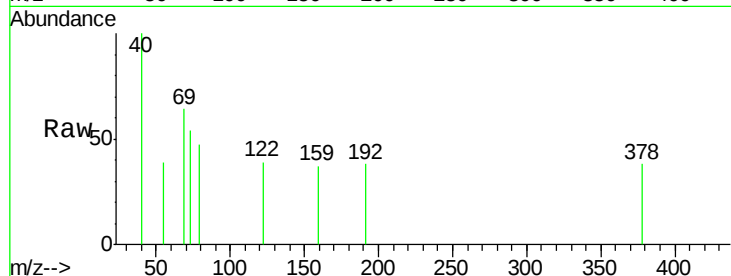




#32
Benzoic acid
Concen: 6.389 ng
RT: 10.22 min Scan# 1214
Delta R.T. 0.07 min
Lab File: BG045076.D
Acq: 18 Apr 2020 21:00

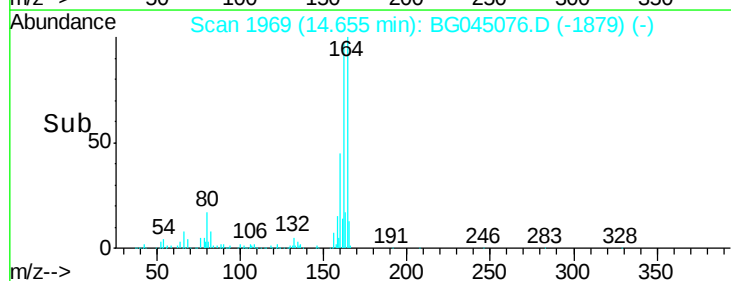
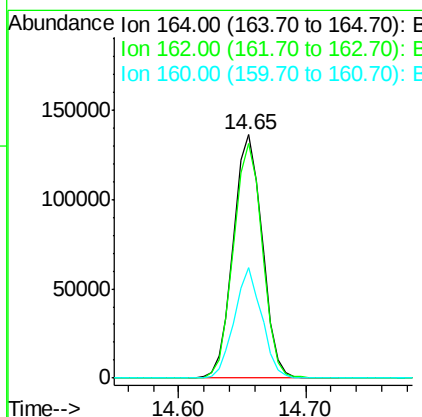
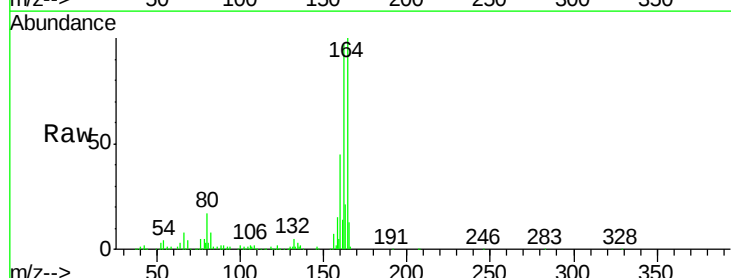
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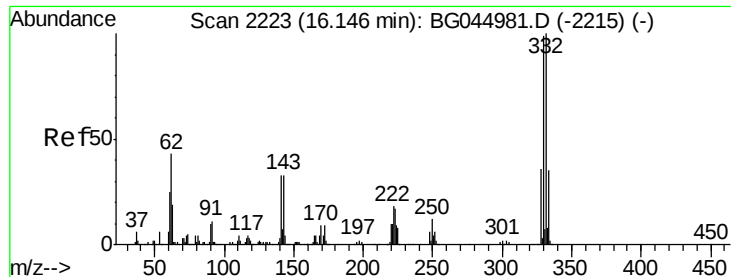
Tot Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045076.D
Acq: 18 Apr 2020 21:00

Tgt Ion:164 Resp: 214927
Ion Ratio Lower Upper
164 100
162 96.6 78.7 118.1
160 45.1 32.8 49.2

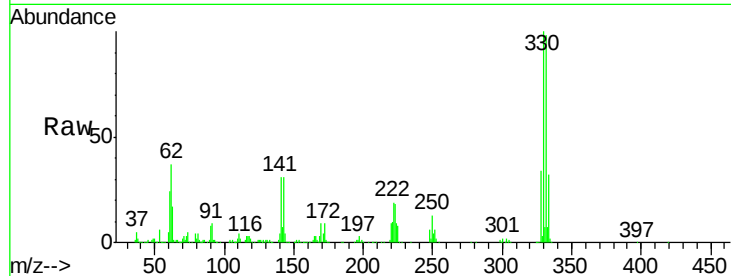




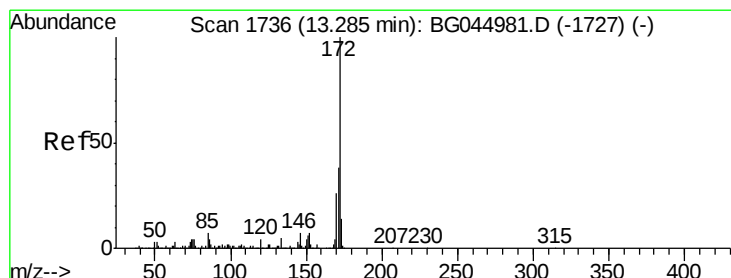
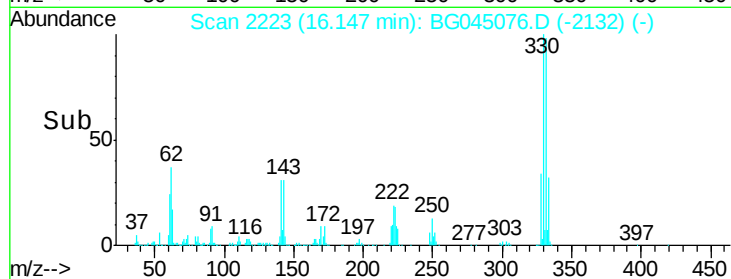
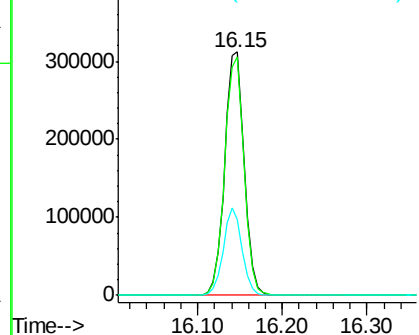
#42
 2,4,6-Tribromophenol
 Concen: 150.595 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045076.D
 Acq: 18 Apr 2020 21:00

Instrument :
 BNA_G
 ClientSampleId :
 DUP-2020-04-13

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.1	118.7
141	34.3	27.1	40.7

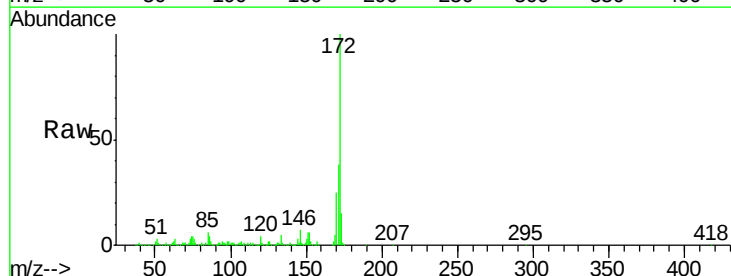


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

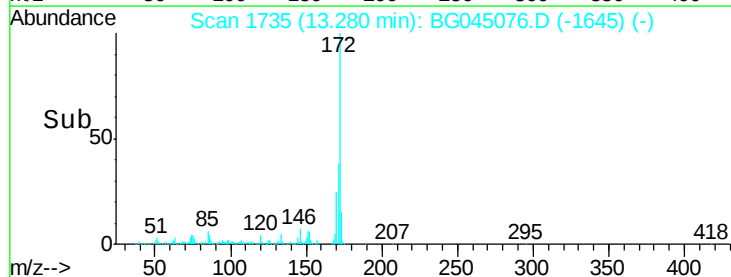
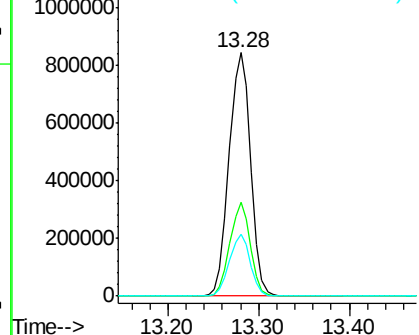


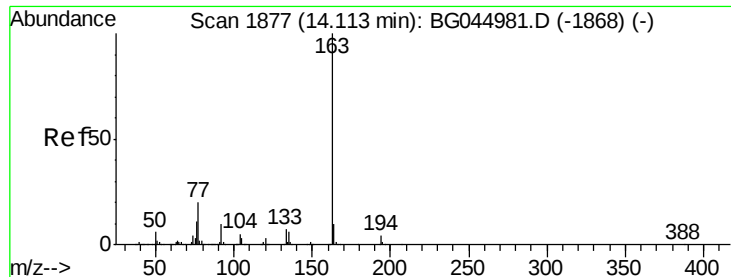
#45
 2-Fluorobiphenyl
 Concen: 94.660 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045076.D
 Acq: 18 Apr 2020 21:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.6	46.0
170	25.4	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

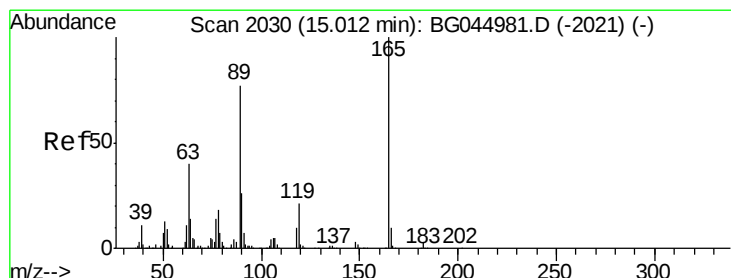
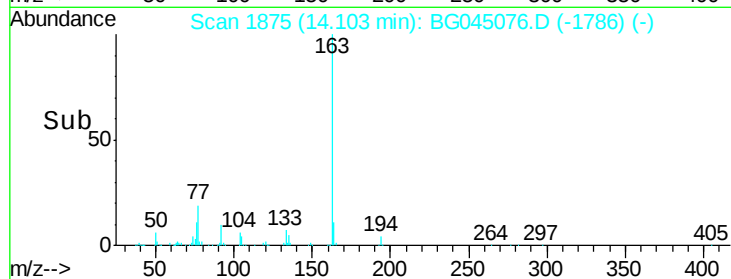
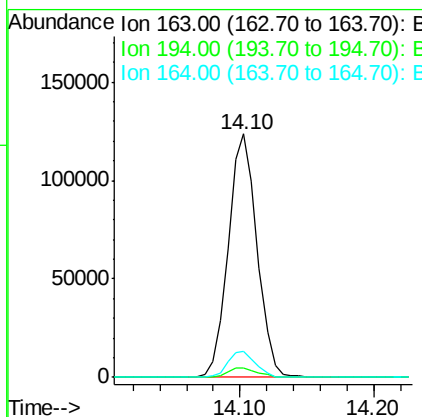
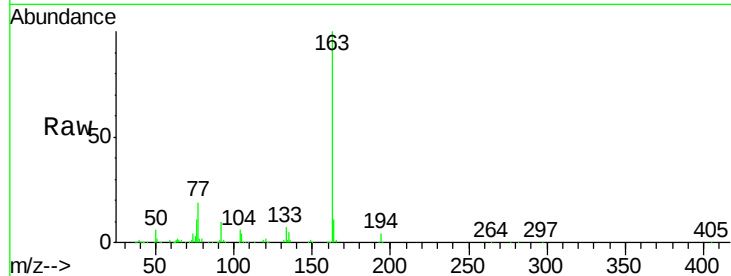




#50
Dimethylphthalate
Concen: 10.584 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG045076.D
Acq: 18 Apr 2020 21:00

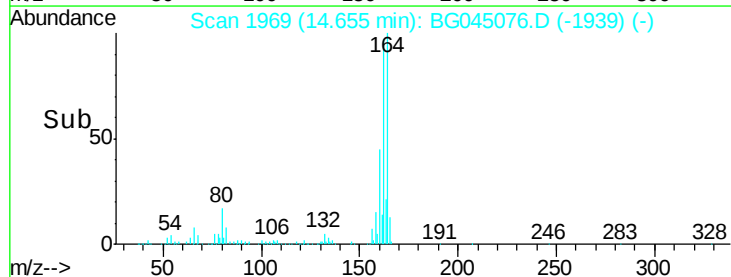
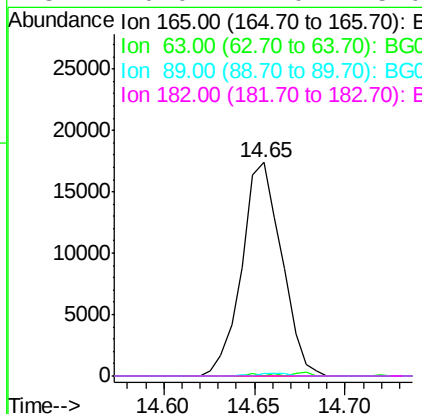
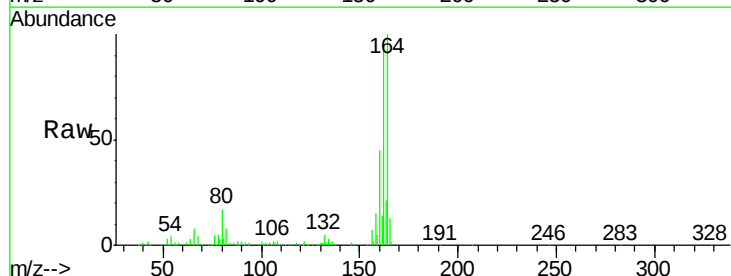
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BNA_G
ClientSampleId :
DUP-2020-04-13

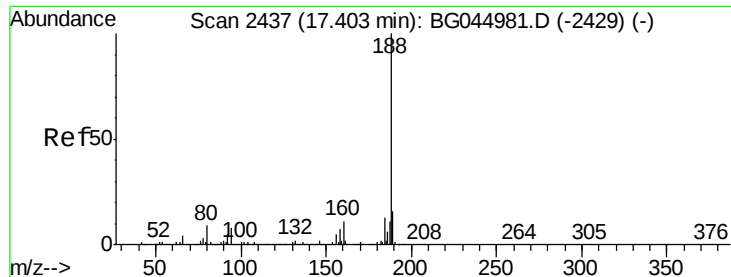
Tot Ion:163 Resp: 185222
Ion Ratio Lower Upper
163 100
194 3.6 3.5 5.3
164 10.9 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 4.641 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.35 min
Lab File: BG045076.D
Acq: 18 Apr 2020 21:00

Tgt Ion:165 Resp: 26548
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.4 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045076.D

Acq: 18 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

DUP-2020-04-13

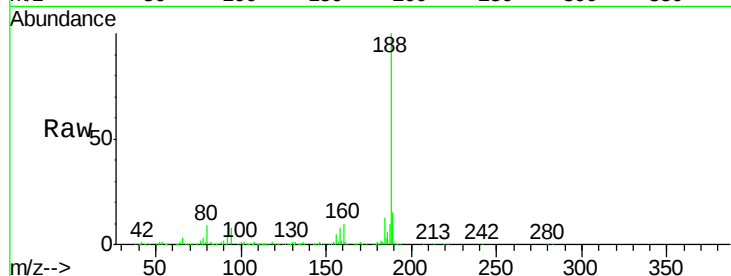
Tot Ion:188 Resp: 497760

Ion Ratio Lower Upper

188 100

94 7.7 6.2 9.4

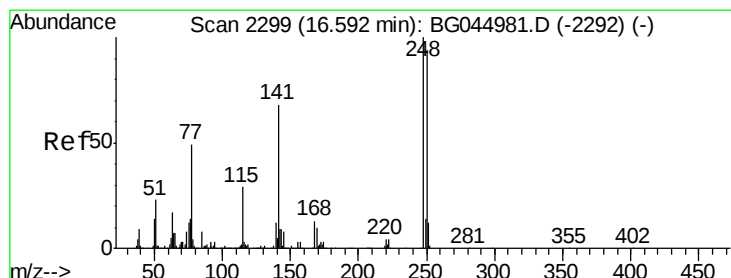
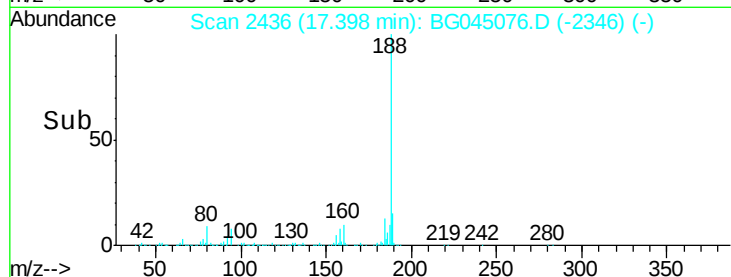
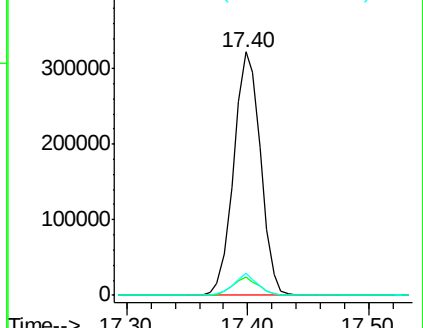
80 9.0 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 5.467 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045076.D

Acq: 18 Apr 2020 21:00

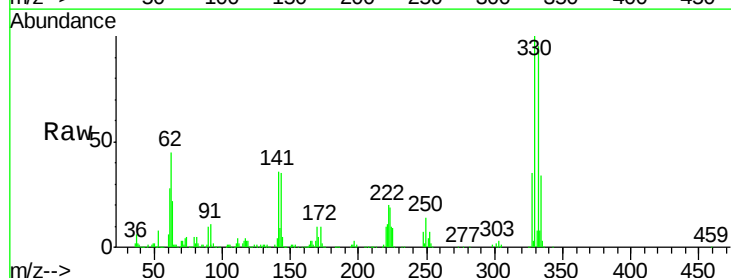
Tgt Ion:248 Resp: 35104

Ion Ratio Lower Upper

248 100

250 198.4 75.4 113.2#

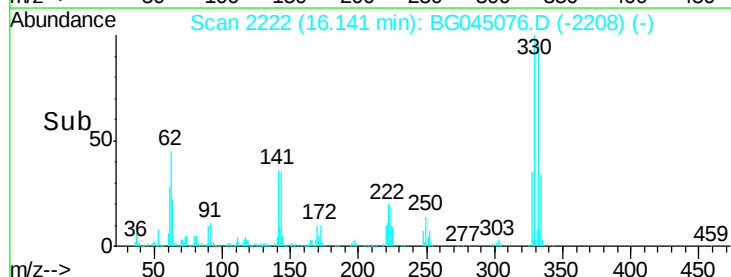
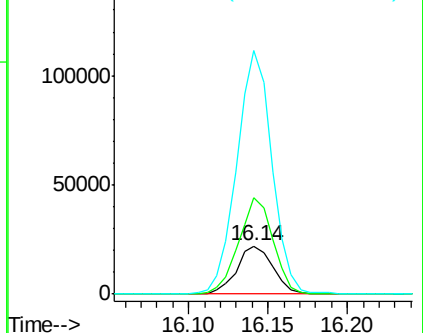
141 503.6 54.4 81.6#

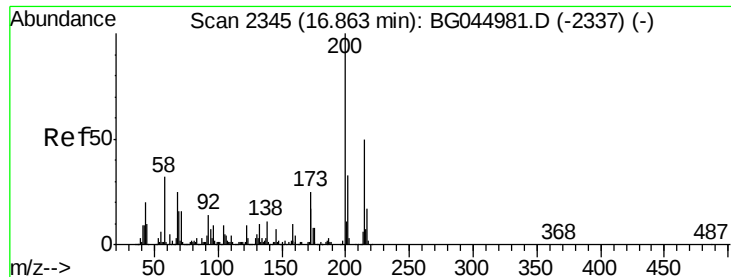


Abundance Ion 248.00 (247.70 to 248.70): E

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. 0.09 min

Lab File: BG045076.D

Acq: 18 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

DUP-2020-04-13

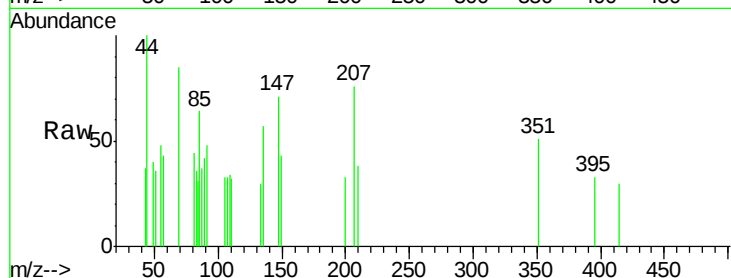
Tot Ion:200 Resp: 59

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

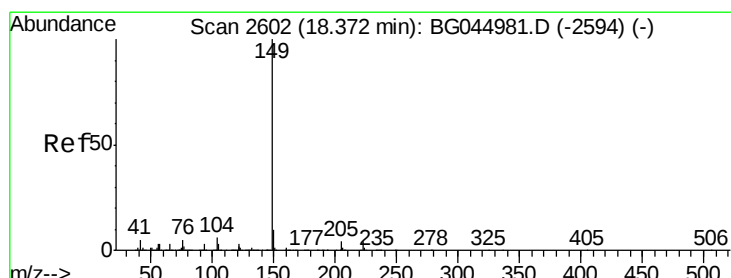
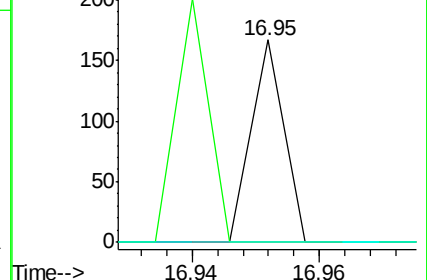
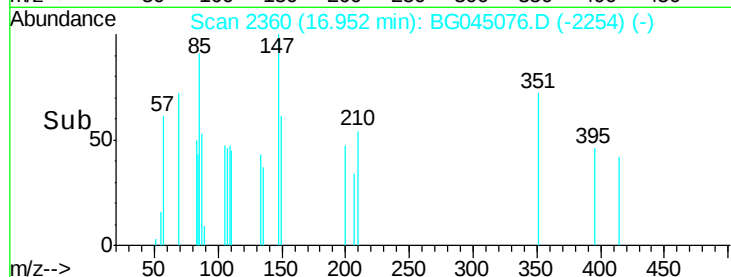
215 0.0 30.0 70.0#



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: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045076.D

Acq: 18 Apr 2020 21:00

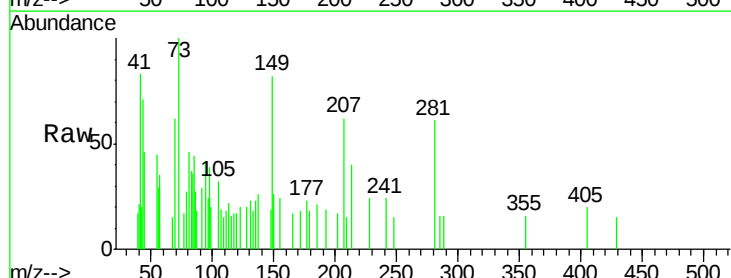
Tgt Ion:149 Resp: 1147

Ion Ratio Lower Upper

149 100

150 24.8 8.2 12.2#

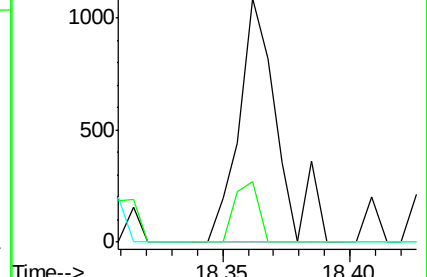
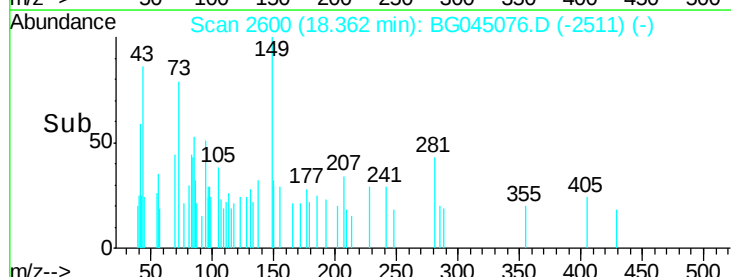
104 0.0 4.8 7.2#

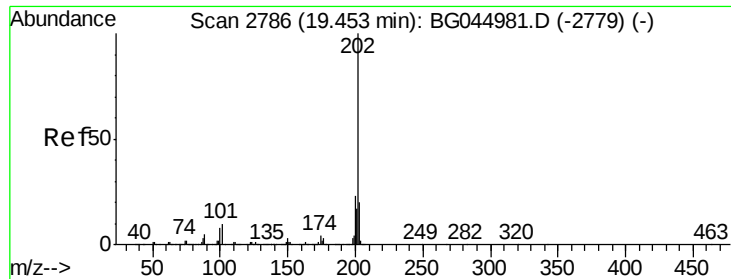


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

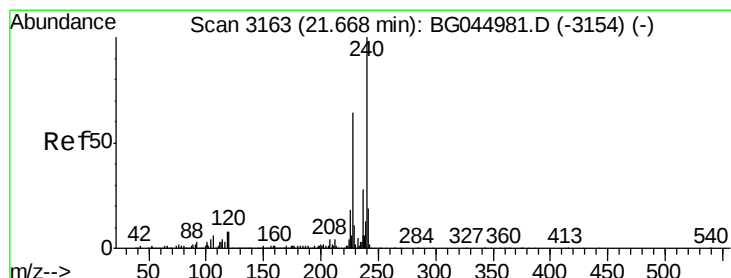
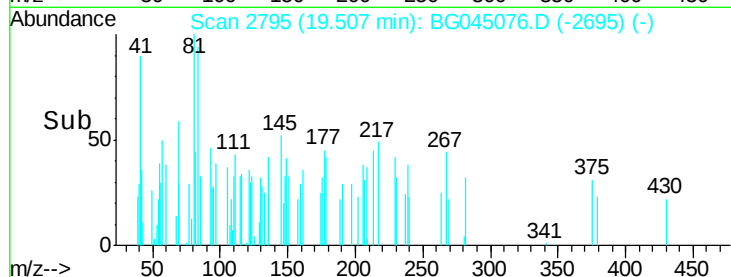
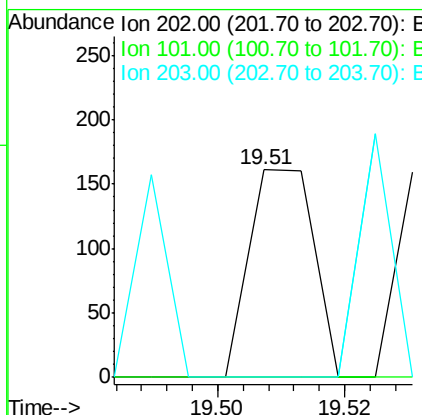
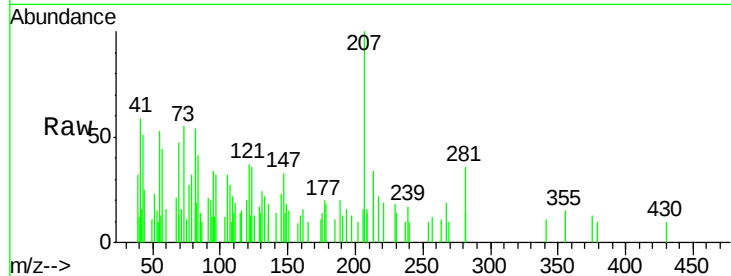




#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.51 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: BG045076.D
 Acq: 18 Apr 2020 21:00

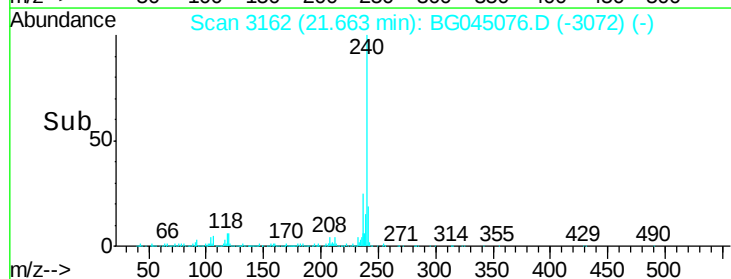
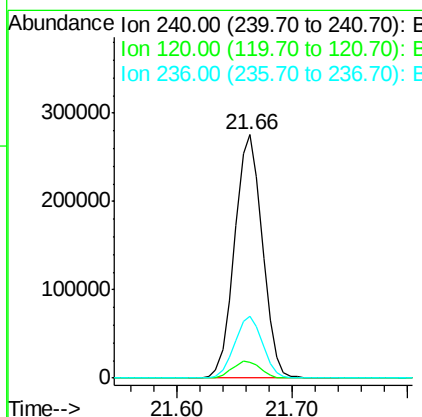
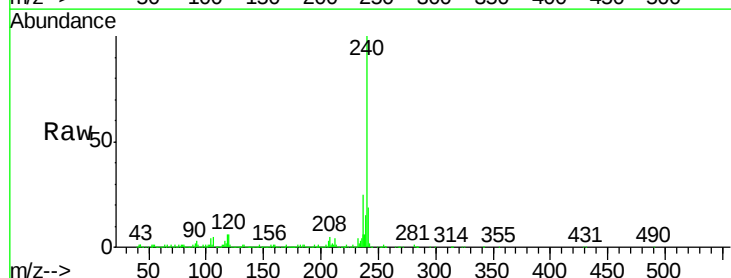
Instrument :
 BNA_G
 ClientSampleId :
 DUP-2020-04-13

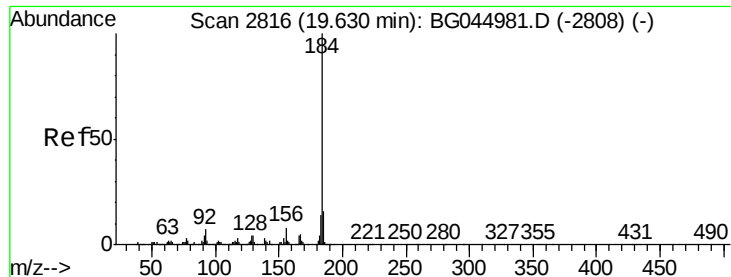
Tot Ion:	202	Resp:	113
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3162
 Delta R.T. -0.00 min
 Lab File: BG045076.D
 Acq: 18 Apr 2020 21:00

Tgt Ion:	240	Resp:	457852
Ion	Ratio	Lower	Upper
240	100		
120	6.5	6.6	10.0#
236	25.5	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045076.D

Acq: 18 Apr 2020 21:00

Instrument :

BNA_G

ClientSampleId :

DUP-2020-04-13

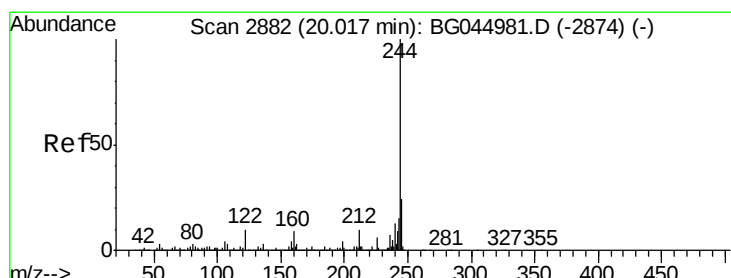
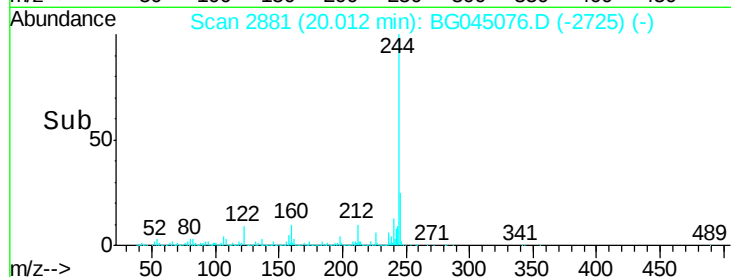
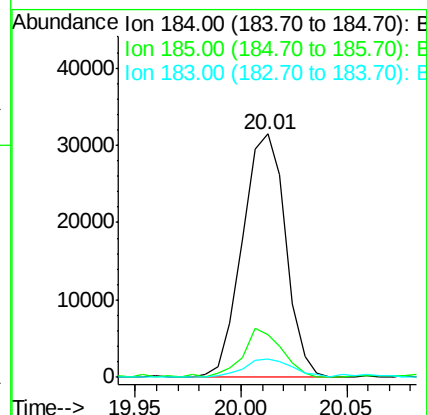
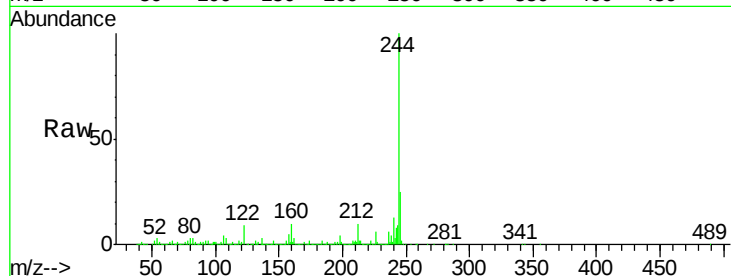
Tot Ion:184 Resp: 44544

Ion Ratio Lower Upper

184 100

185 17.5 12.6 19.0

183 7.3 11.3 16.9#



#79

Terphenyl-d14

Concen: 103.958 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045076.D

Acq: 18 Apr 2020 21:00

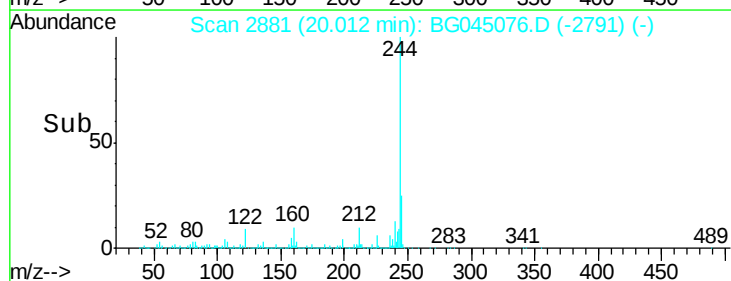
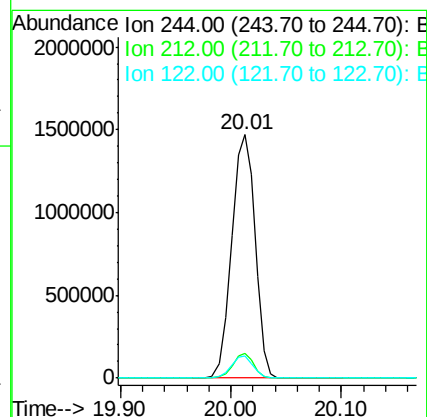
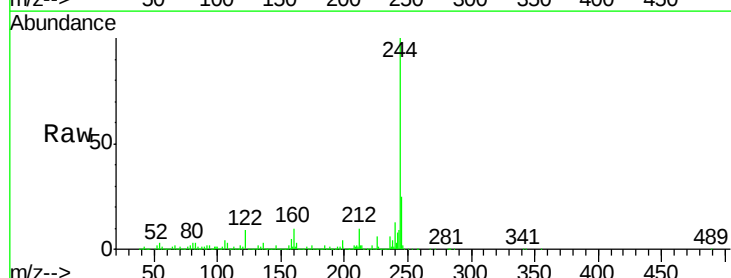
Tgt Ion:244 Resp: 2183802

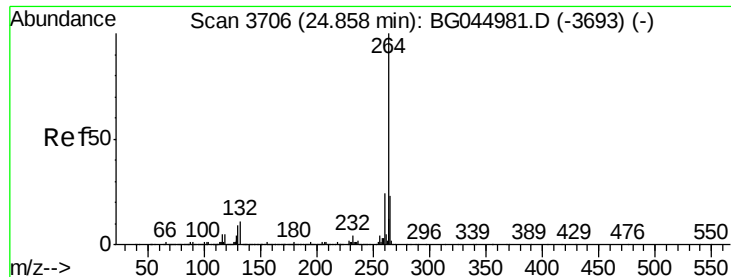
Ion Ratio Lower Upper

244 100

212 10.2 7.9 11.9

122 9.1 7.7 11.5

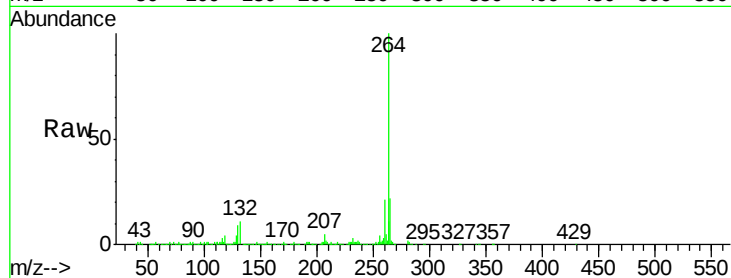




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG045076.D
Acq: 18 Apr 2020 21:00

Instrument :
BNA_G
ClientSampleId :
DUP-2020-04-13

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	19.2	28.8
265	21.9	19.0	28.4



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

