

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045049.D
 Acq On : 18 Apr 2020 3:07
 Operator : CG/JU
 Sample : L2304-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-F2

Quant Time: Apr 18 04:26:13 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	8.03	152	63971	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	269527	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	210694	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	478087	20.00	ng	0.00
76) Chrysene-d12	21.67	240	447629	20.00	ng	0.00
87) Perylene-d12	24.86	264	482242	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	616718	159.16	ng	0.00
7) Phenol-d6	7.19	99	892946	155.11	ng	0.00
23) Nitrobenzene-d5	9.18	82	647805	109.67	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	525588	161.47	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1489377	103.65	ng	0.00
79) Terphenyl-d14	20.01	244	2272295	110.64	ng	0.00

Target Compounds

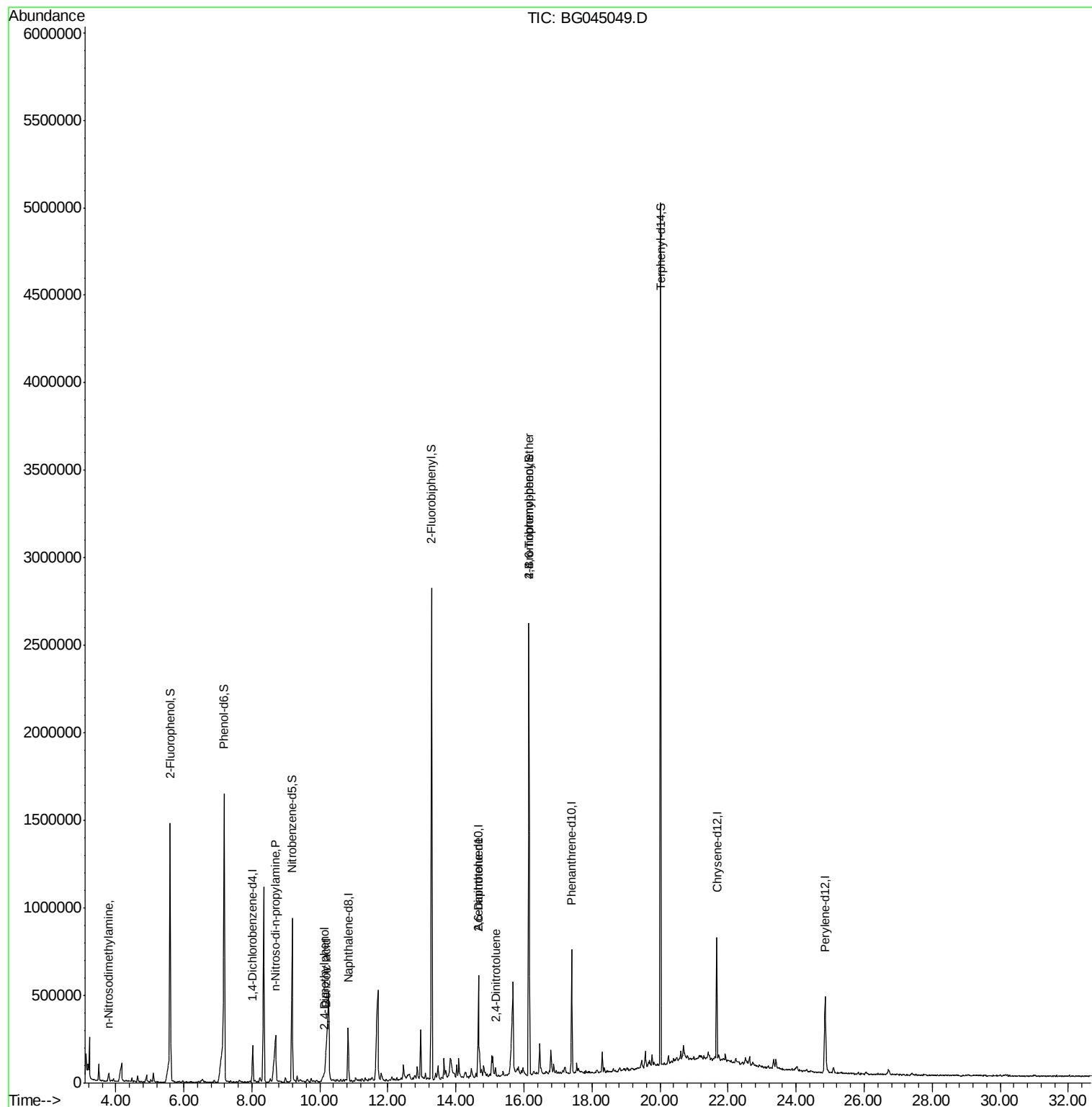
						Qvalue
4) n-Nitrosodimethylamine	3.79	42	4372	2.692	ng	# 1
9) Benzaldehyde	7.19	77	2838	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	8.70	70	32712	8.035	ng	# 39
27) 2,4-Dimethylphenol	10.12	122	19666	4.752	ng	# 2
32) Benzoic acid	10.17	122	39821	16.703	ng	# 98
51) 2,6-Dinitrotoluene	14.66	165	27497	7.166	ng	# 26
57) 2,4-Dinitrotoluene	15.16	165	15546	2.772	ng	# 27
67) 4-Bromophenyl-phenylether	16.14	248	36045	5.844	ng	# 1
69) Atrazine	16.87	200	169	Below Cal		# 35
74) Di-n-butylphthalate	18.36	149	13694	Below Cal		# 99
75) Fluoranthene	19.45	202	1398	Below Cal		# 1
77) Benzidine	20.01	184	47660	Below Cal		# 88

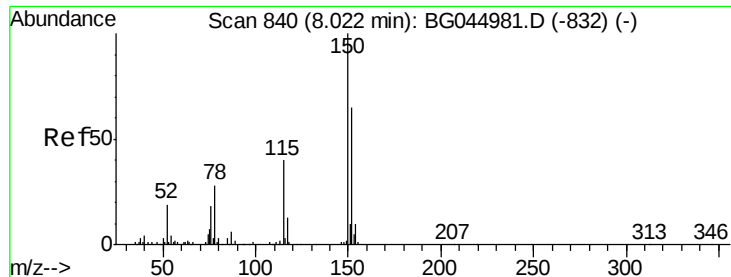
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
Data File : BG045049.D
Acq On : 18 Apr 2020 3:07
Operator : CG/JU
Sample : L2304-14
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-F2

Quant Time: Apr 18 04:26:13 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



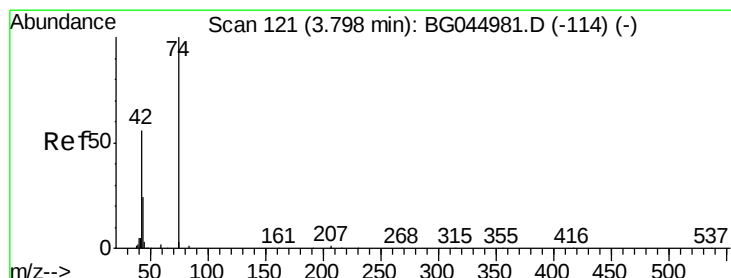
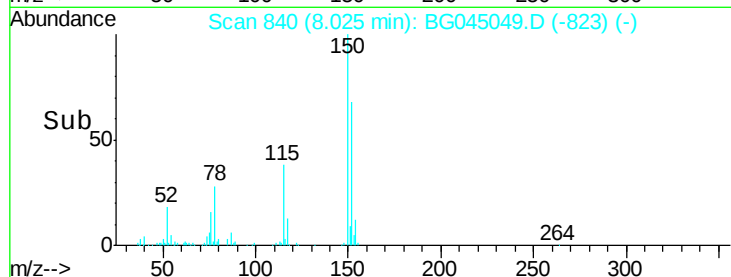
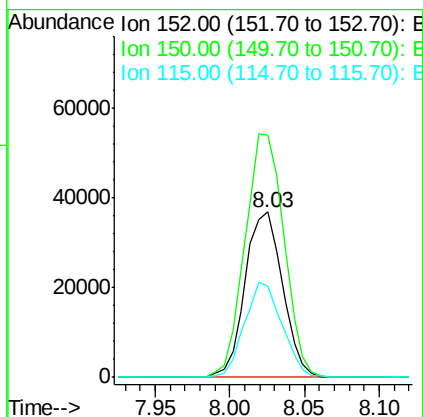
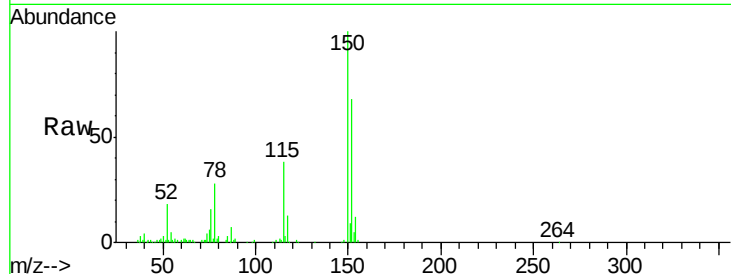


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BG045049.D
Acq: 18 Apr 2020 3:07

Instrument :
BNA_G
ClientSampleId :
WC-F2

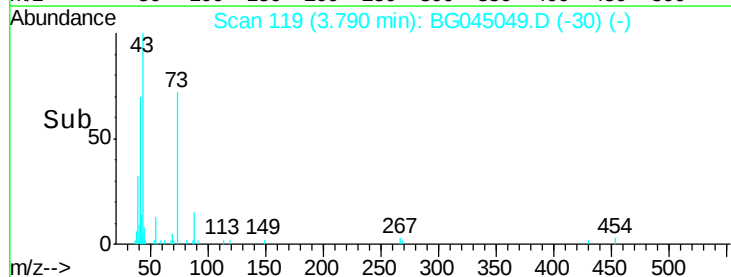
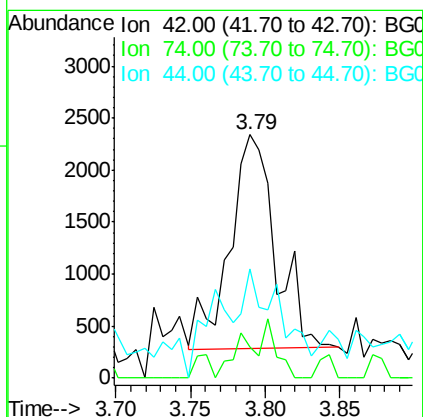
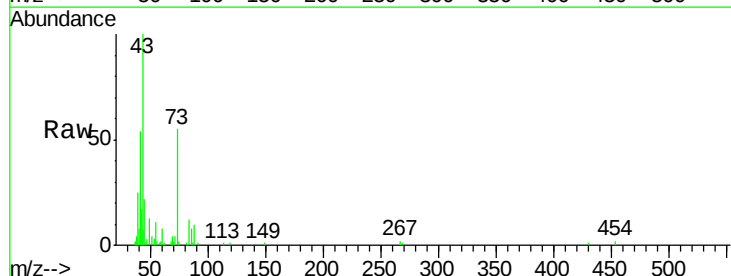
Tot Ion:152 Resp: 63971
Ion Ratio Lower Upper
152 100
150 146.6 123.6 185.4
115 55.4 49.1 73.7

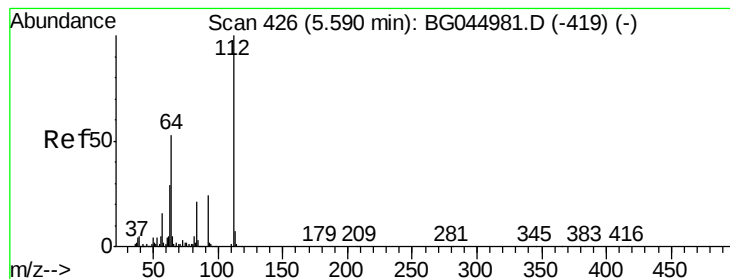


#4

n-Nitrosodimethylamine
Concen: 2.692 ng
RT: 3.79 min Scan# 119
Delta R.T. -0.01 min
Lab File: BG045049.D
Acq: 18 Apr 2020 3:07

Tgt Ion: 42 Resp: 4372
Ion Ratio Lower Upper
42 100
74 12.6 143.0 214.6#
44 45.0 4.6 6.8#





#5

2-Fluorophenol

Concen: 159.161 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

Instrument :

BNA_G

ClientSampleId :

WC-F2

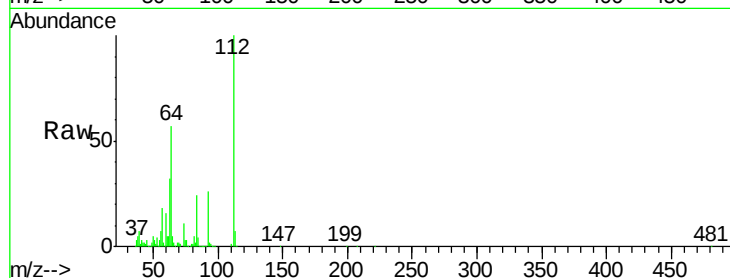
Tot Ion:112 Resp: 616718

Ion Ratio Lower Upper

112 100

64 57.2 42.4 63.6

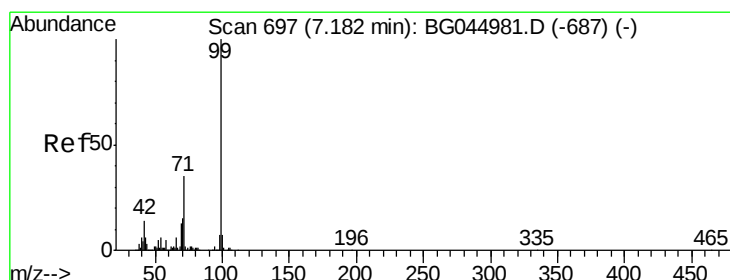
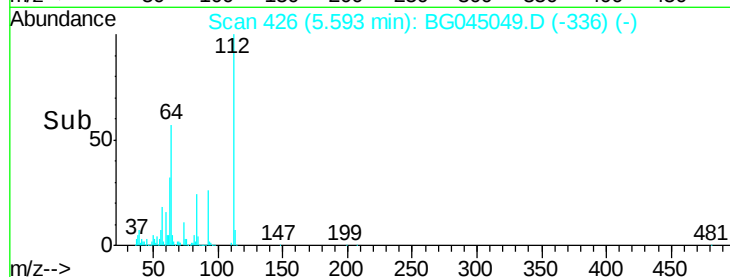
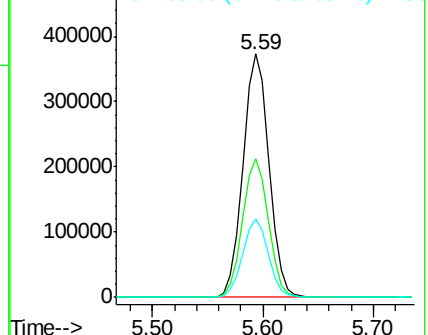
63 32.4 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 155.106 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

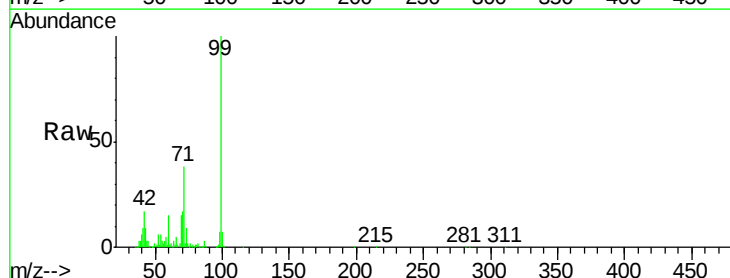
Tgt Ion: 99 Resp: 892946

Ion Ratio Lower Upper

99 100

42 16.6 11.3 16.9

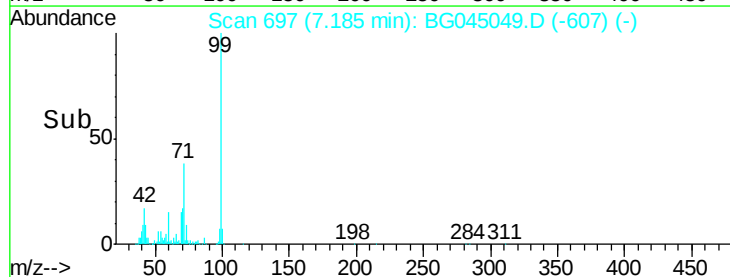
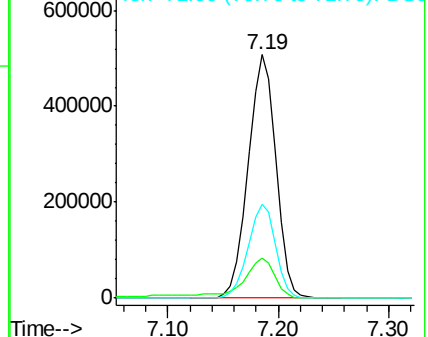
71 38.4 28.3 42.5

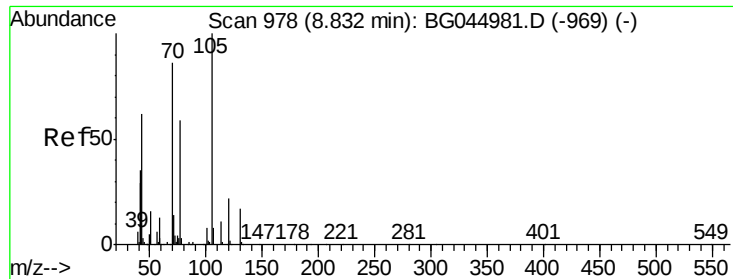


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

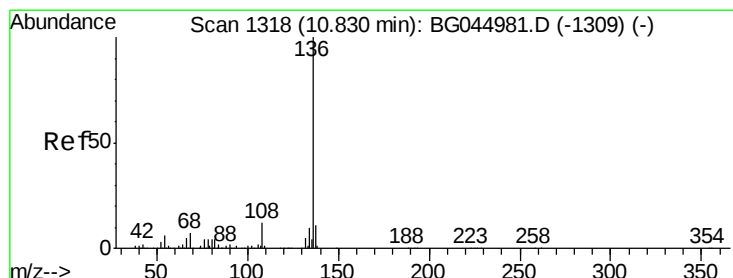
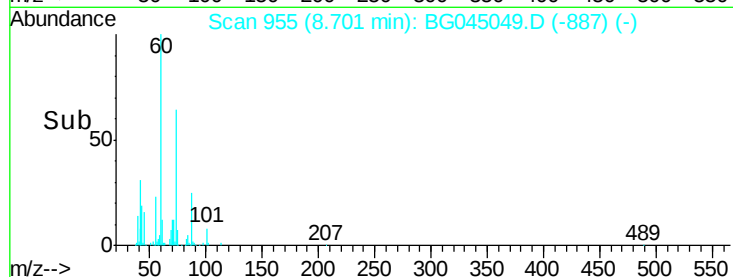
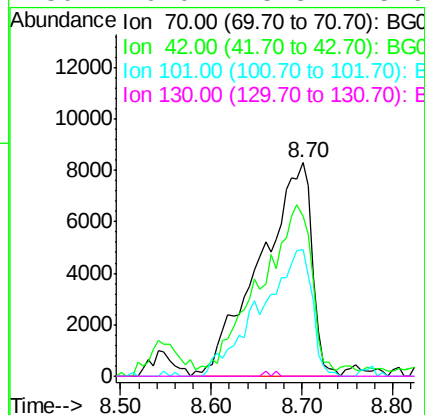
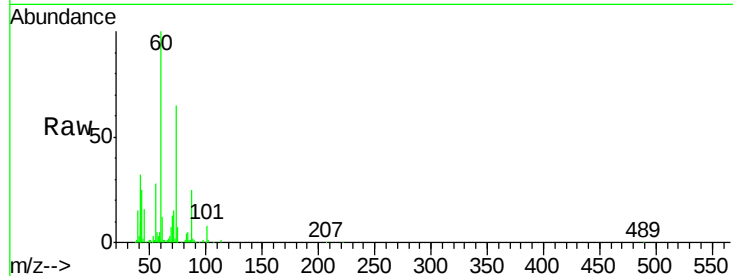




#19
n-Nitroso-di-n-propylamine
Concen: 8.035 ng
RT: 8.70 min Scan# 955
Delta R.T. -0.13 min
Lab File: BG045049.D
Acq: 18 Apr 2020 3:07

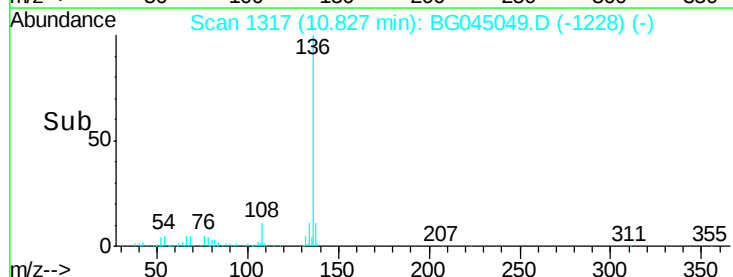
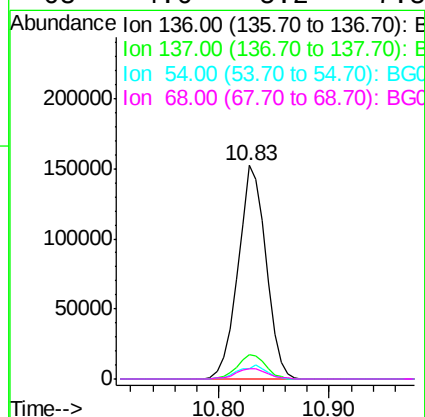
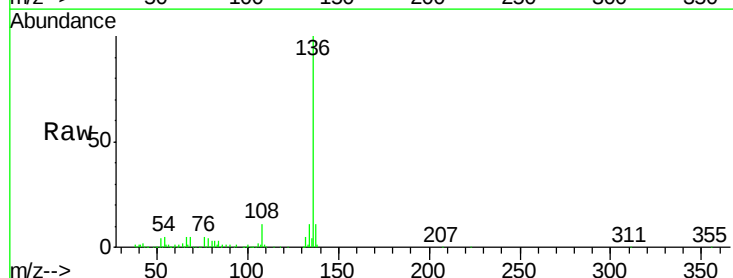
Instrument :
BNA_G
ClientSampleId :
WC-F2

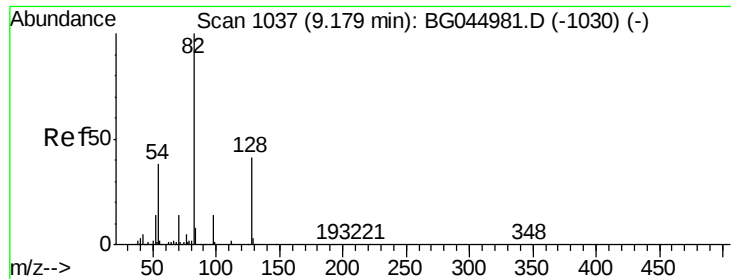
Tot Ion:	70	Resp:	32712
Ion	Ratio	Lower	Upper
70	100		
42	74.8	33.3	49.9#
101	59.2	7.8	11.8#
130	0.0	15.8	23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045049.D
Acq: 18 Apr 2020 3:07

Tgt Ion:	136	Resp:	269527
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	4.9	4.8	7.2
68	4.6	5.2	7.8#

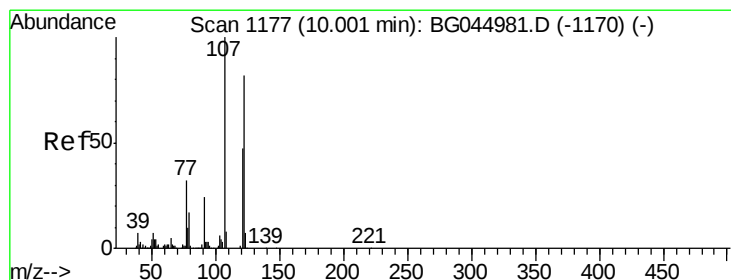
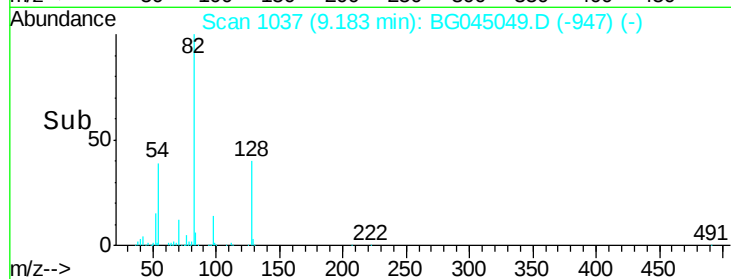
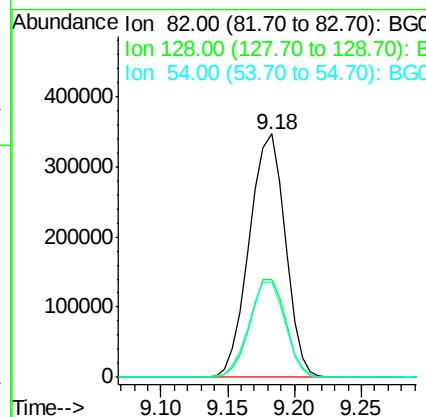
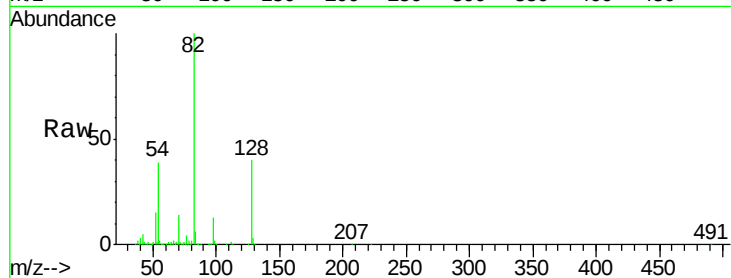




#23
 Nitrobenzene-d5
 Concen: 109.668 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BG045049.D
 Acq: 18 Apr 2020 3:07

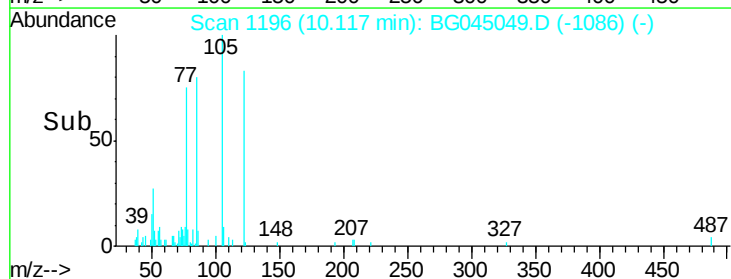
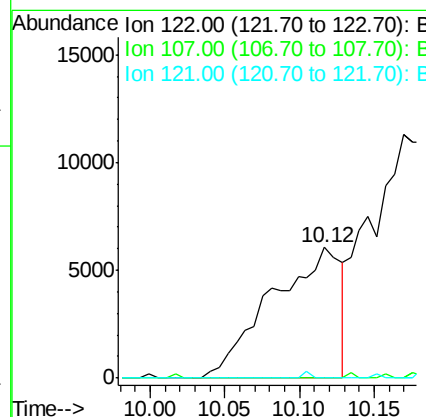
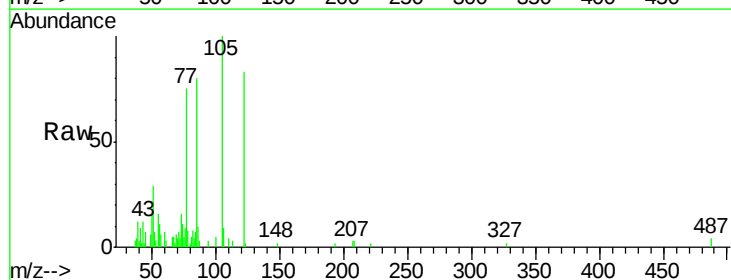
Instrument :
 BNA_G
 ClientSampleId :
 WC-F2

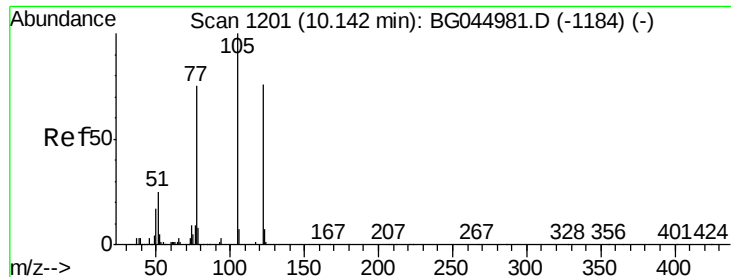
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.2	33.0	49.4
54	39.2	30.4	45.6



#27
 2,4-Dimethylphenol
 Concen: 4.752 ng
 RT: 10.12 min Scan# 1196
 Delta R.T. 0.12 min
 Lab File: BG045049.D
 Acq: 18 Apr 2020 3:07

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	96.8	145.2#
121	0.0	45.6	68.4#

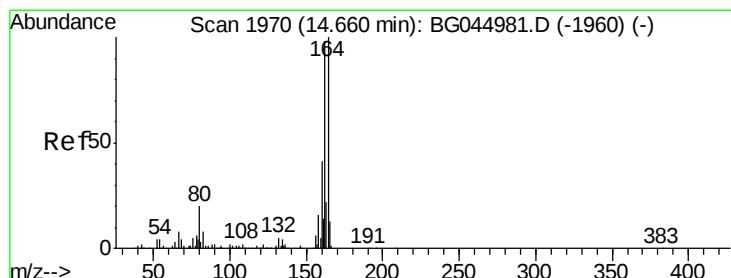
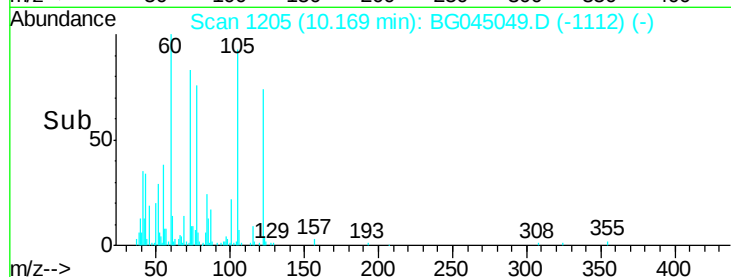
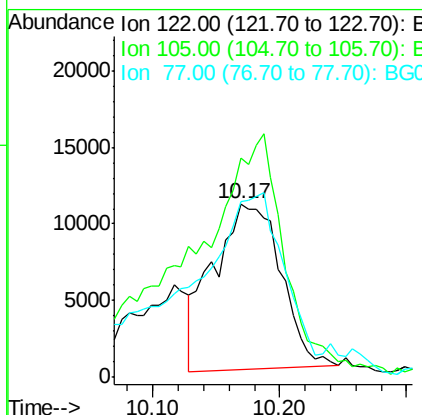
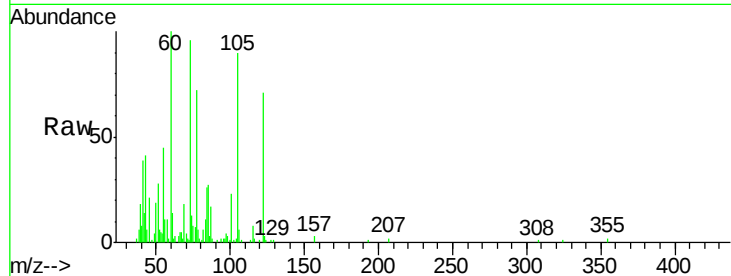




#32
Benzoic acid
Concen: 16.703 ng
RT: 10.17 min Scan# 1205
Delta R.T. 0.02 min
Lab File: BG045049.D
Acq: 18 Apr 2020 3:07

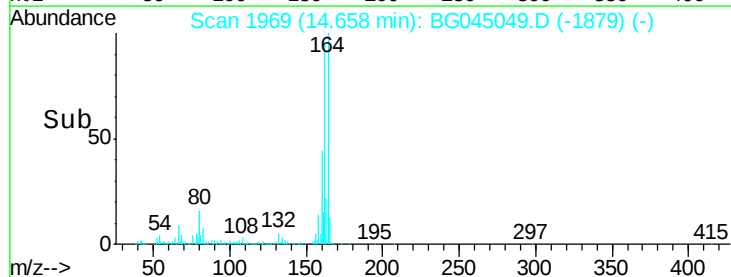
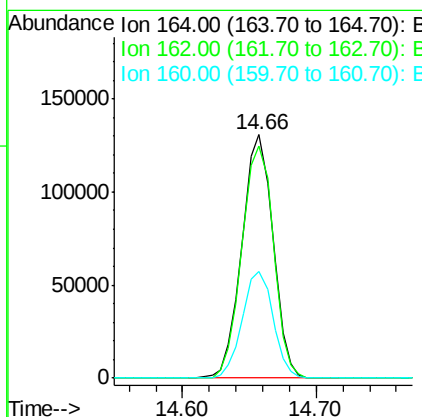
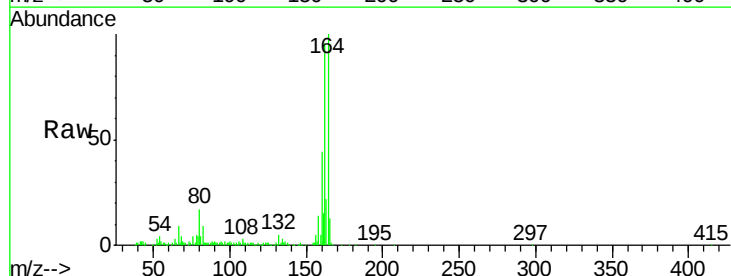
Instrument :
BNA_G
ClientSampleId :
WC-F2

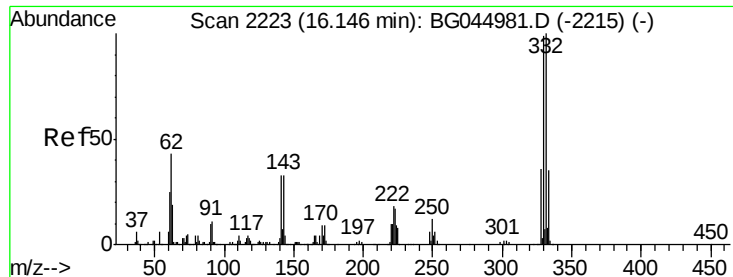
Tot Ion:122 Resp: 39821
Ion Ratio Lower Upper
122 100
105 126.5 108.4 148.4
77 101.6 78.8 118.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BG045049.D
Acq: 18 Apr 2020 3:07

Tgt Ion:164 Resp: 210694
Ion Ratio Lower Upper
164 100
162 95.5 78.7 118.1
160 44.0 32.8 49.2

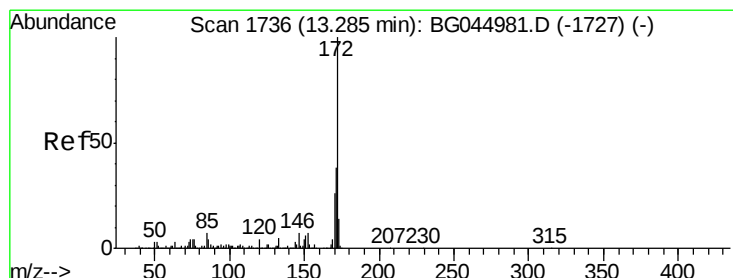
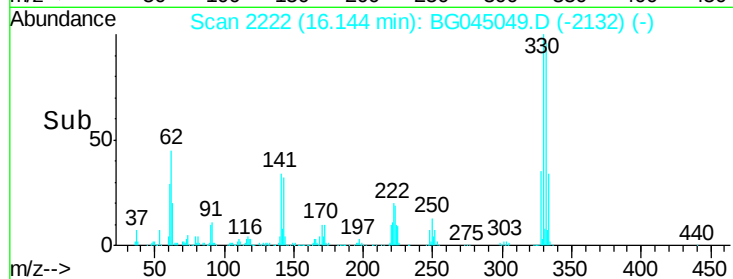
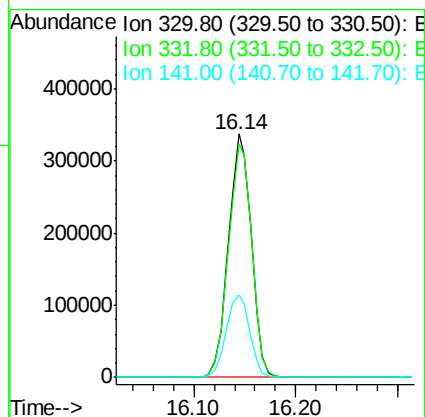
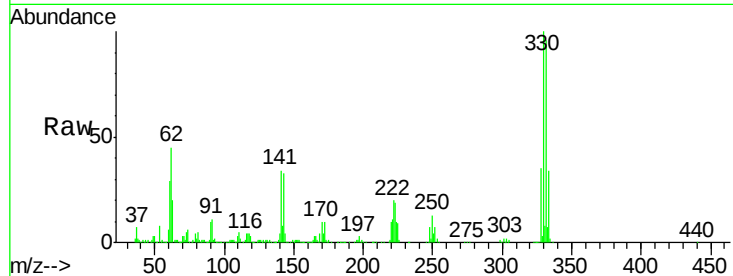




#42
 2,4,6-Tribromophenol
 Concen: 161.474 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. 0.00 min
 Lab File: BG045049.D
 Acq: 18 Apr 2020 3:07

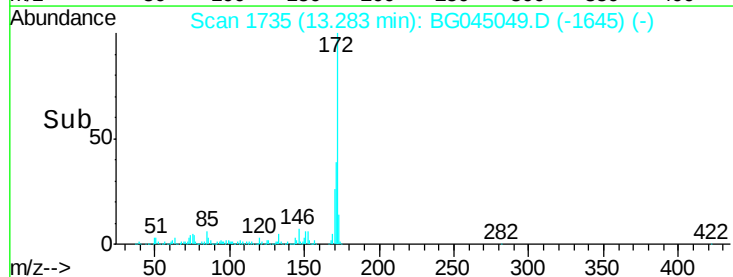
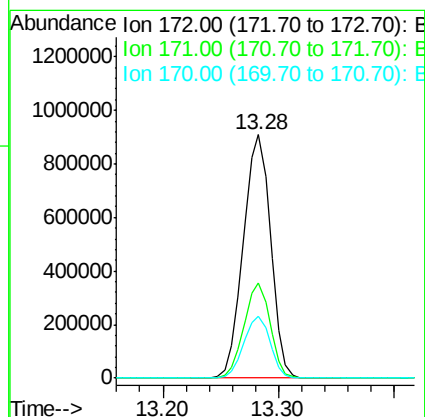
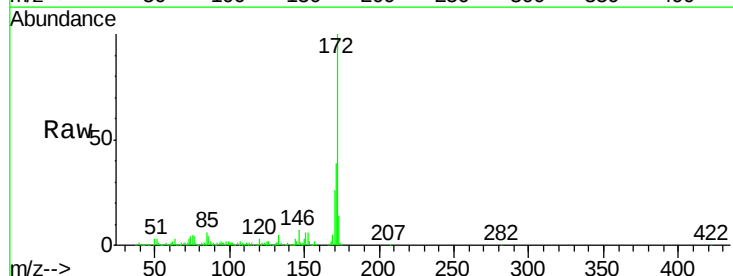
Instrument :
 BNA_G
 ClientSampleId :
 WC-F2

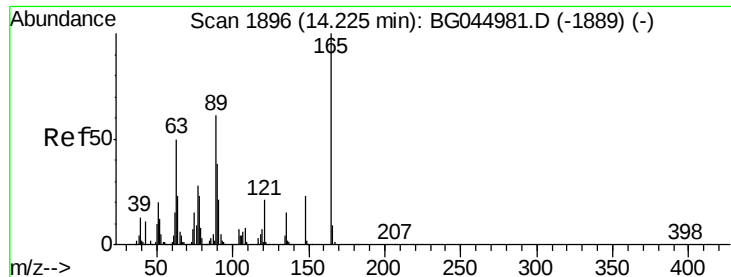
Tot Ion:330 Resp: 525588
 Ion Ratio Lower Upper
 330 100
 332 97.6 79.1 118.7
 141 35.1 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 103.653 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BG045049.D
 Acq: 18 Apr 2020 3:07

Tgt Ion:172 Resp: 1489377
 Ion Ratio Lower Upper
 172 100
 171 38.9 30.6 46.0
 170 25.6 20.5 30.7





#51

2,6-Dinitrotoluene

Concen: 7.166 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.44 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

Instrument :

BNA_G

ClientSampleId :

WC-F2

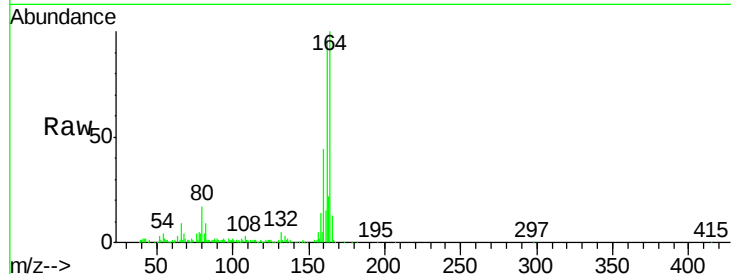
Tot Ion:165 Resp: 27497

Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

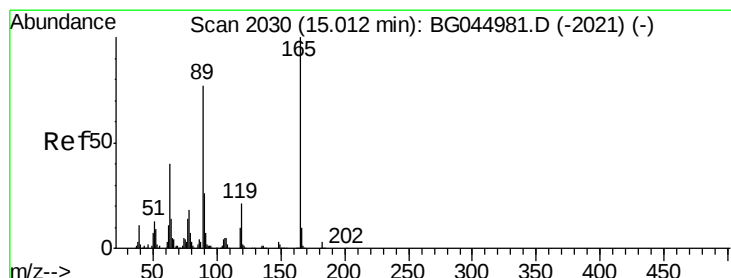
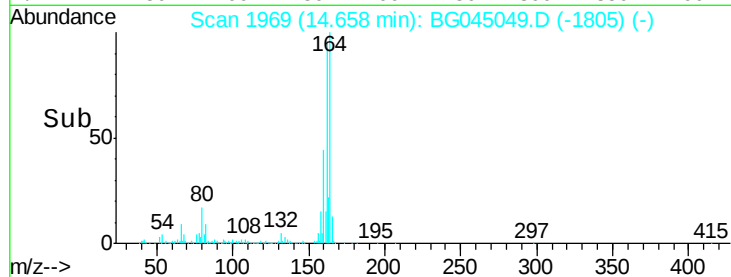
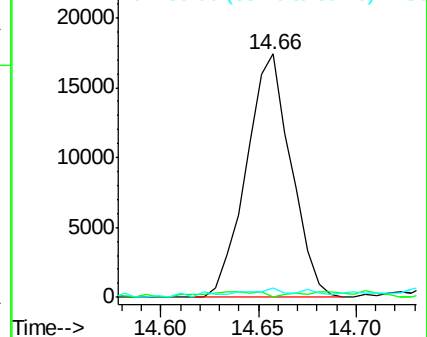
89 4.1 49.1 73.7#



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



#57

2,4-Dinitrotoluene

Concen: 2.772 ng

RT: 15.16 min Scan# 2055

Delta R.T. 0.15 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

Tgt Ion:165 Resp: 15546

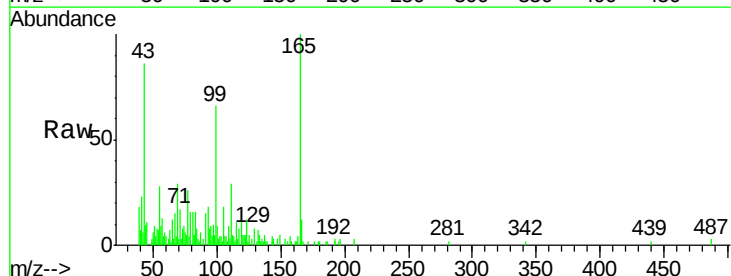
Ion Ratio Lower Upper

165 100

63 7.1 32.2 48.2#

89 3.2 61.7 92.5#

182 0.0 2.0 3.0#

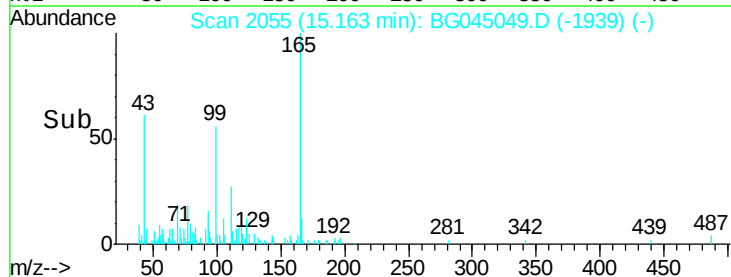
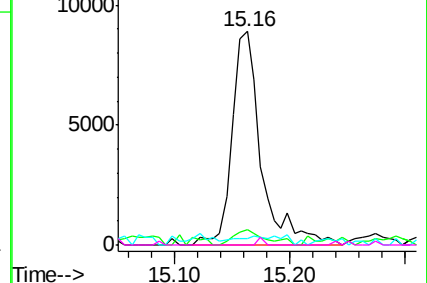


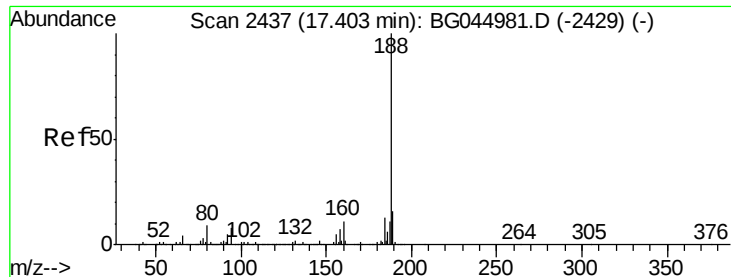
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2436

Delta R.T. 0.00 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

Instrument :

BNA_G

ClientSampleId :

WC-F2

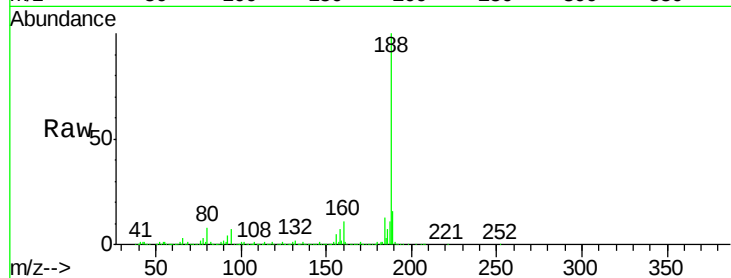
Tot Ion:188 Resp: 478087

Ion Ratio Lower Upper

188 100

94 7.4 6.2 9.4

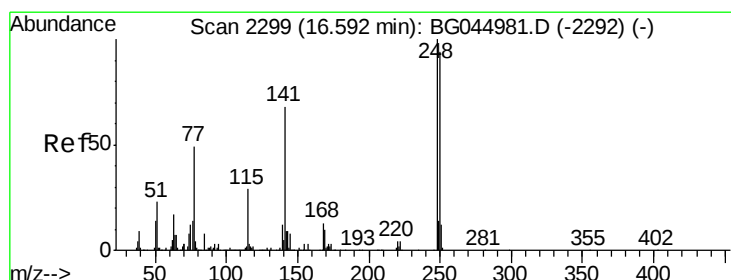
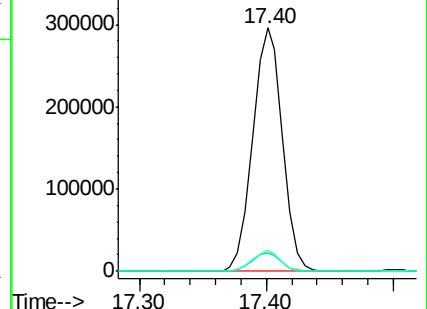
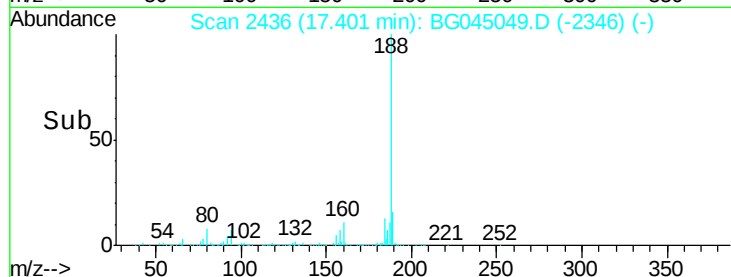
80 8.4 7.0 10.6



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: 5.844 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

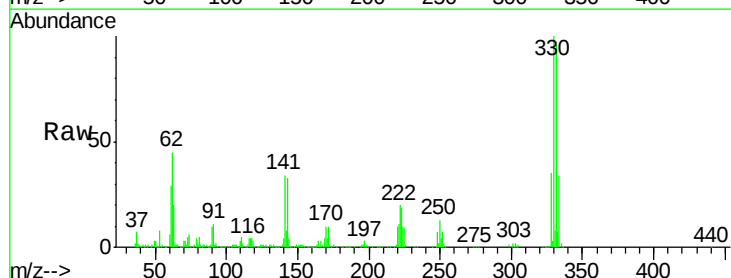
Tgt Ion:248 Resp: 36045

Ion Ratio Lower Upper

248 100

250 191.7 75.4 113.2#

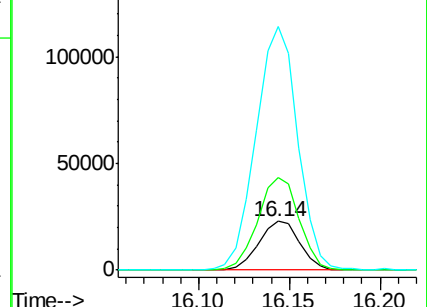
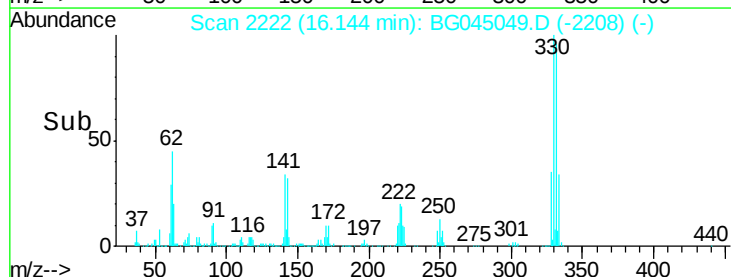
141 500.9 54.4 81.6#

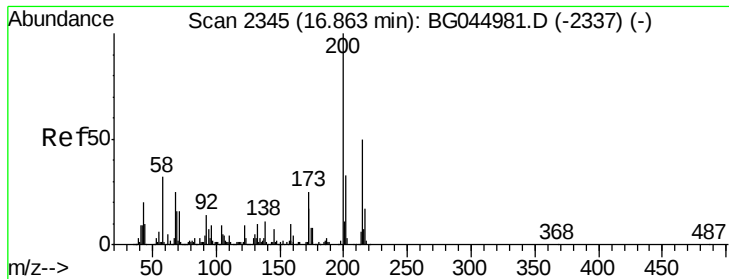


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.87 min Scan# 2345

Delta R.T. 0.01 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

Instrument :

BNA_G

ClientSampleId :

WC-F2

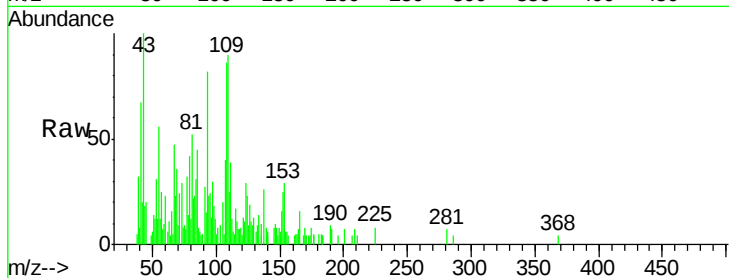
Tot Ion:200 Resp: 169

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

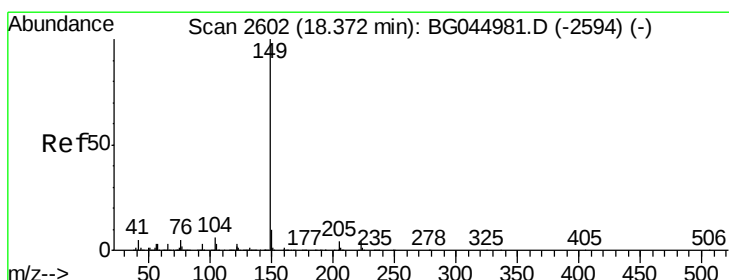
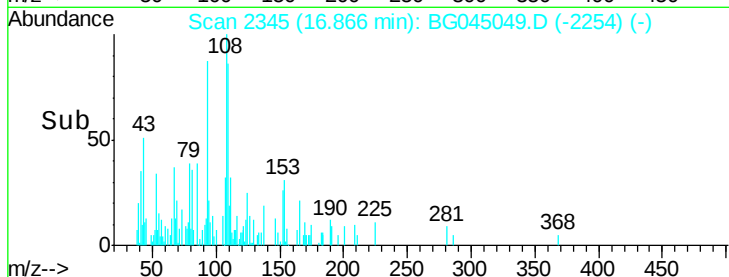
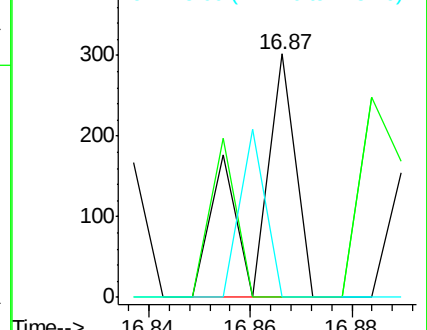
215 0.0 30.0 70.0#



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: BG045049.D

Acq: 18 Apr 2020 3:07

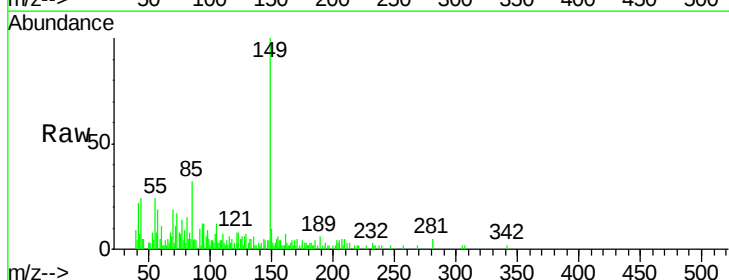
Tgt Ion:149 Resp: 13694

Ion Ratio Lower Upper

149 100

150 9.9 8.2 12.2

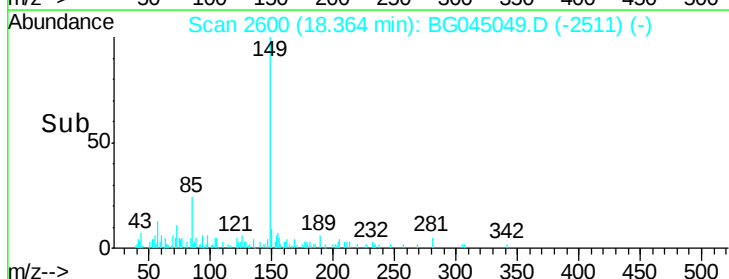
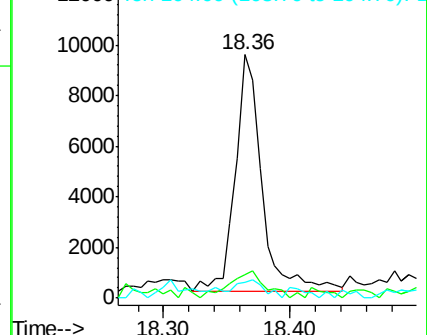
104 6.7 4.8 7.2

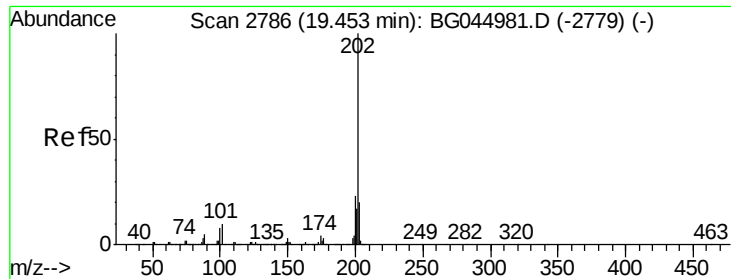


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

Instrument :

BNA_G

ClientSampleId :

WC-F2

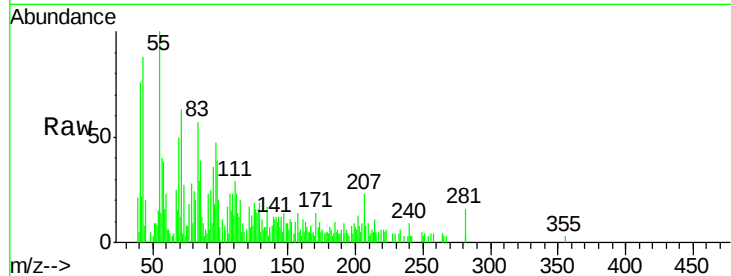
Tot Ion:202 Resp: 1398

Ion Ratio Lower Upper

202 100

101 91.1 0.0 29.6#

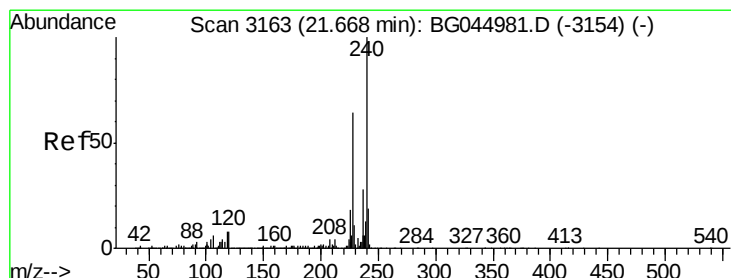
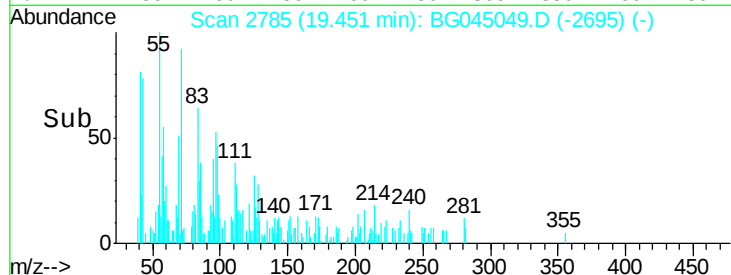
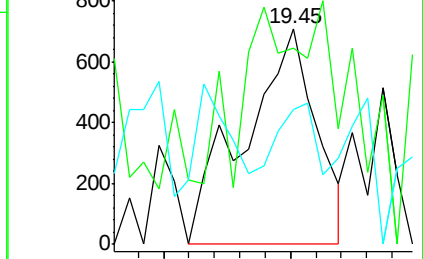
203 62.6 0.0 39.7#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3162

Delta R.T. 0.00 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

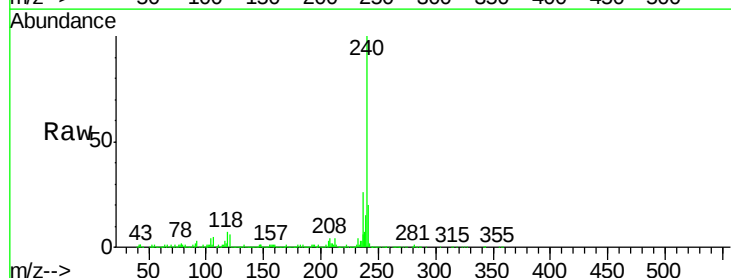
Tgt Ion:240 Resp: 447629

Ion Ratio Lower Upper

240 100

120 6.5 6.6 10.0#

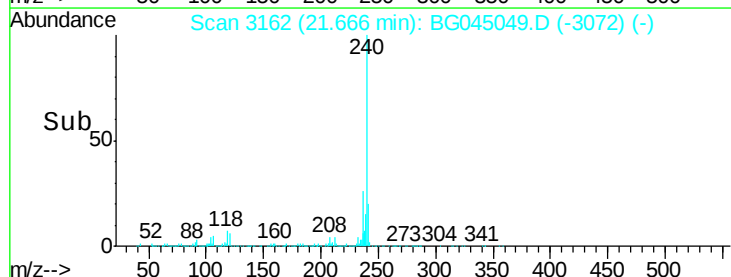
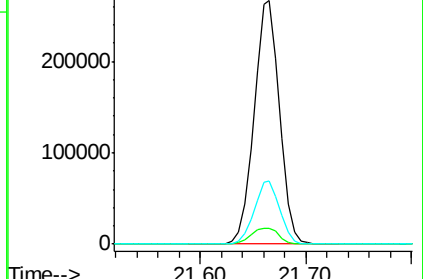
236 26.1 22.2 33.2

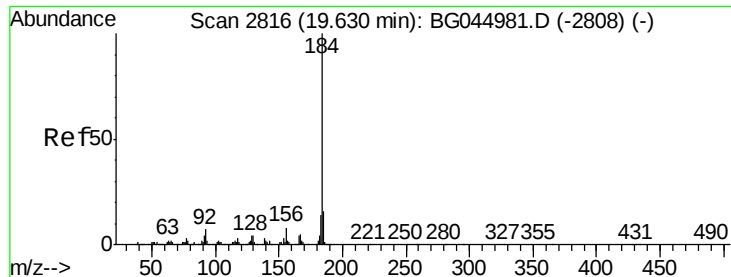


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

Instrument :

BNA_G

ClientSampleId :

WC-F2

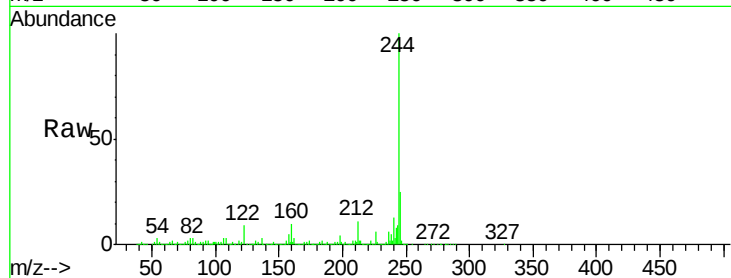
Tot Ion:184 Resp: 47660

Ion Ratio Lower Upper

184 100

185 18.7 12.6 19.0

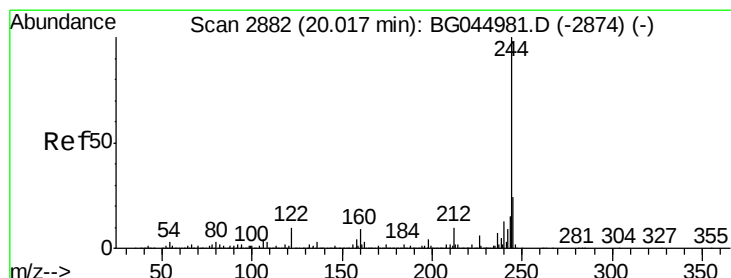
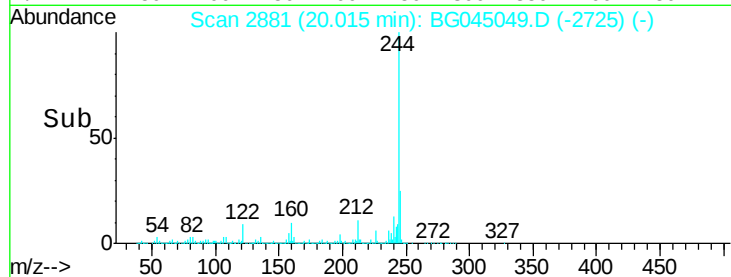
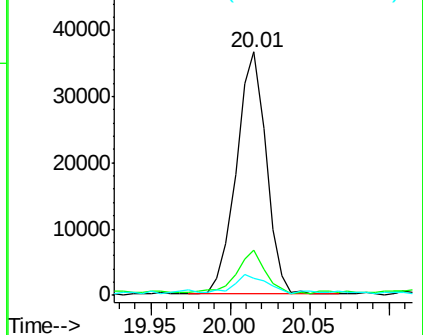
183 7.1 11.3 16.9#



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: 110.641 ng

RT: 20.01 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG045049.D

Acq: 18 Apr 2020 3:07

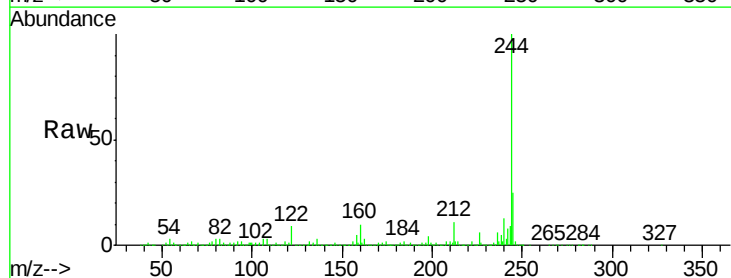
Tgt Ion:244 Resp: 2272295

Ion Ratio Lower Upper

244 100

212 10.6 7.9 11.9

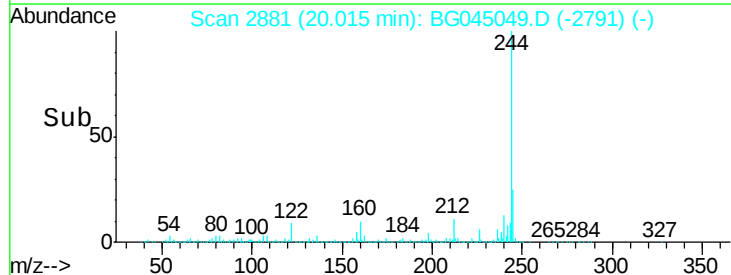
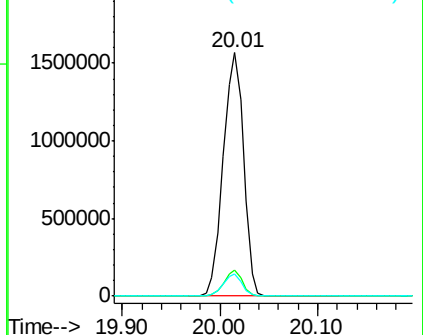
122 9.3 7.7 11.5

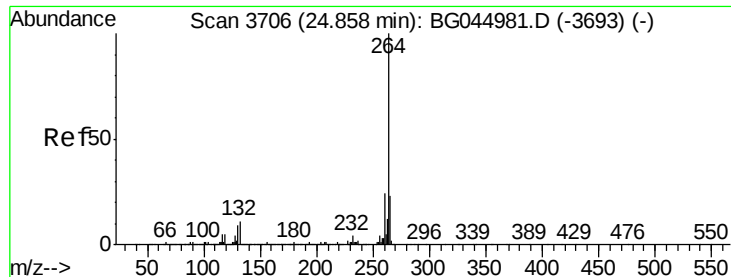


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.86 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BG045049.D
 Acq: 18 Apr 2020 3:07

Instrument :
 BNA_G
 ClientSampleId :
 WC-F2

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.8	19.0	28.4

