

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045339.D
 Acq On : 12 May 2020 21:45
 Operator : CG/JU
 Sample : L2571-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 13 01:05:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 15:48:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	61473	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	237050	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	172347	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	426249	20.00	ng	0.00
76) Chrysene-d12	21.62	240	441561	20.00	ng	0.00
87) Perylene-d12	24.79	264	472608	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	431308	115.83	ng	0.00
7) Phenol-d6	7.14	99	547498	98.97	ng	0.00
23) Nitrobenzene-d5	9.13	82	443093	85.29	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	352154	132.26	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1006274	85.61	ng	0.00
79) Terphenyl-d14	19.98	244	1920128	94.78	ng	0.00

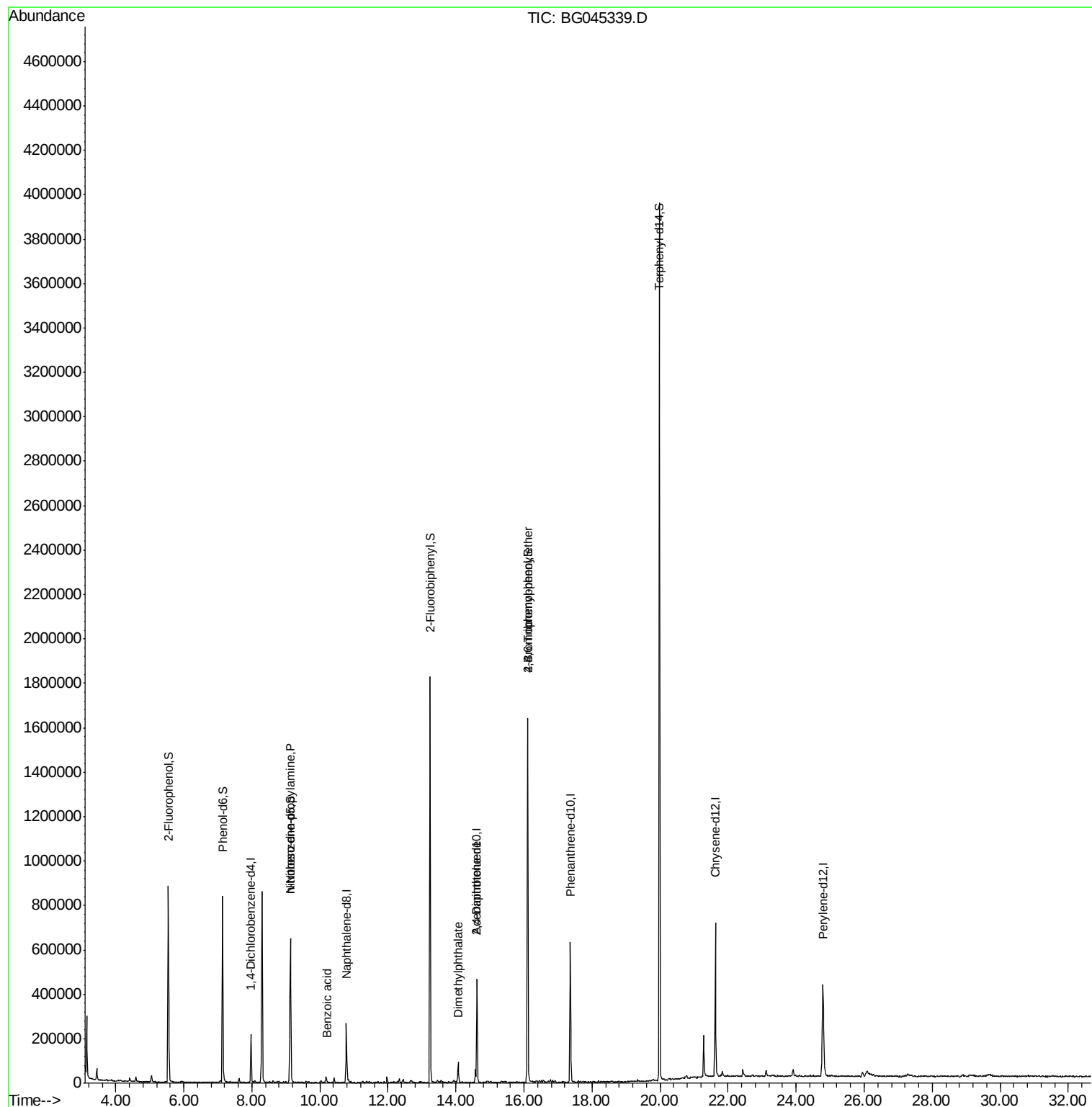
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.13	77	1271	Below Cal	#	24
19) n-Nitroso-di-n-propylamine	9.13	70	58818	15.034	ng	# 79
32) Benzoic acid	10.22	122	55	6.390	ng	# 1
50) Dimethylphthalate	14.06	163	64023	4.562	ng	# 98
57) 2,4-Dinitrotoluene	14.62	165	23218	5.062	ng	# 24
67) 4-Bromophenyl-phenylether	16.10	248	24252	4.410	ng	# 1
69) Atrazine	16.85	200	60	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	2882	Below Cal	#	84
75) Fluoranthene	19.41	202	55	Below Cal	#	62
77) Benzidine	19.34	184	2572	Below Cal	#	72

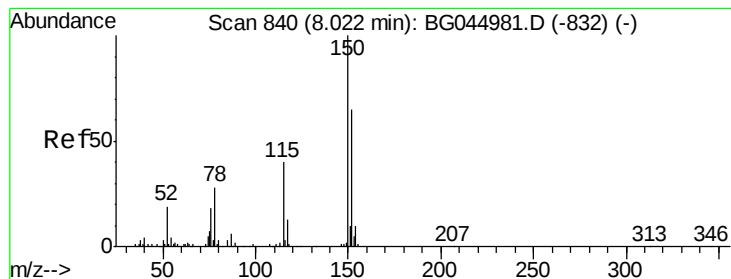
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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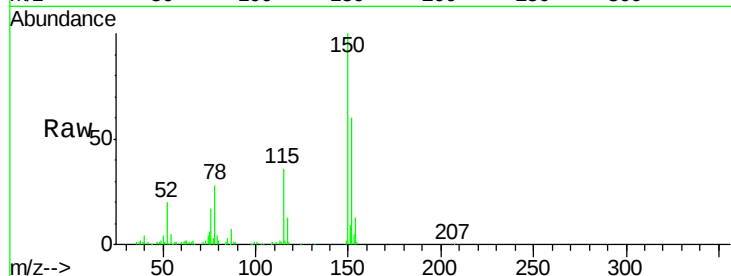


#1

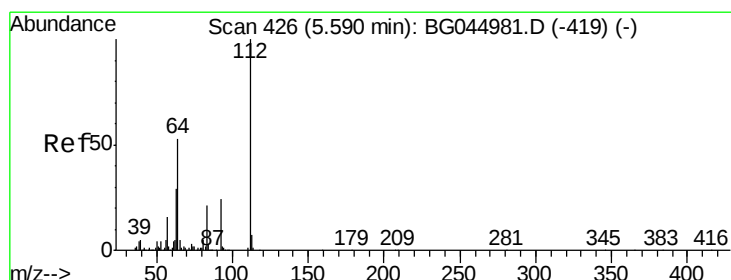
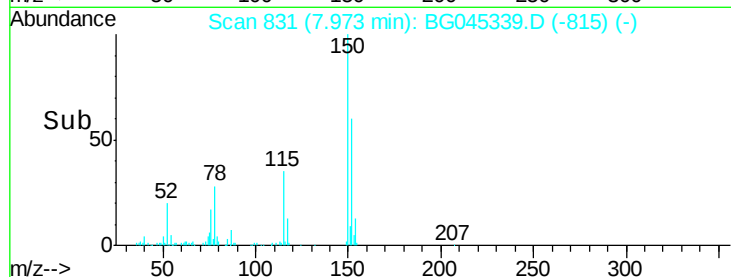
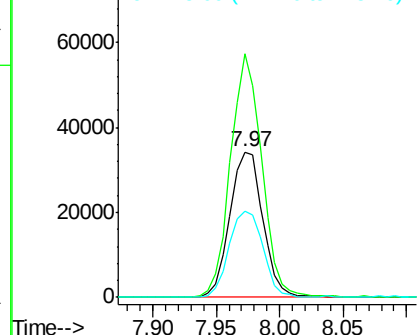
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045339.D
Acq: 12 May 2020 21:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	167.6	123.6	185.4
115	59.6	49.1	73.7



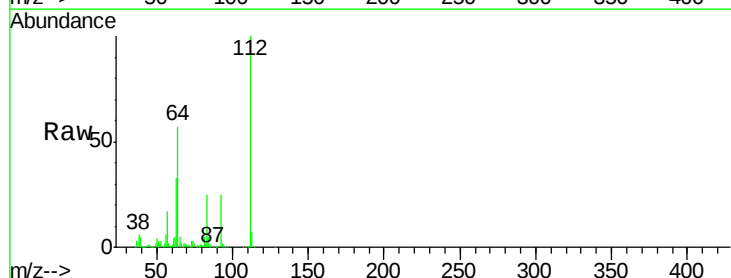
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



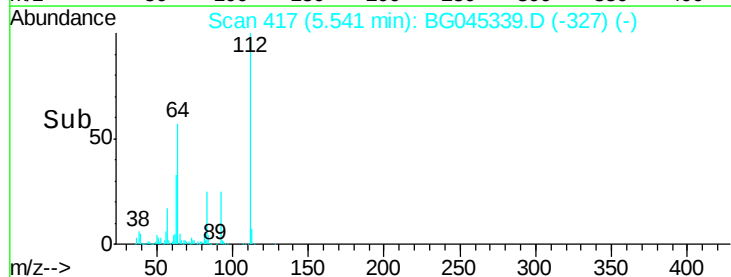
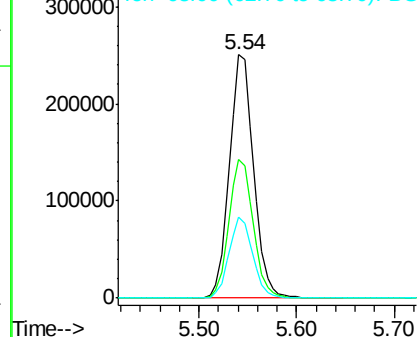
#5

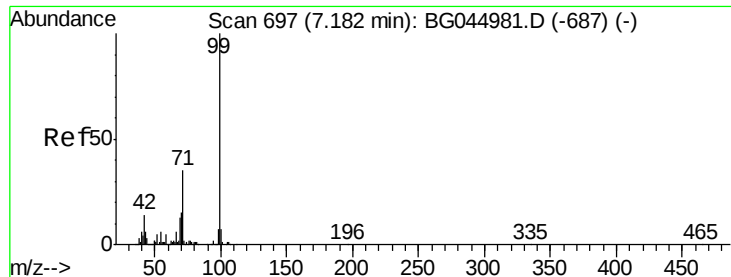
2-Fluorophenol
Concen: 115.834 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045339.D
Acq: 12 May 2020 21:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	42.4	63.6
63	33.3	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 98.966 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

Instrument :

BNA_G

ClientSampleId :

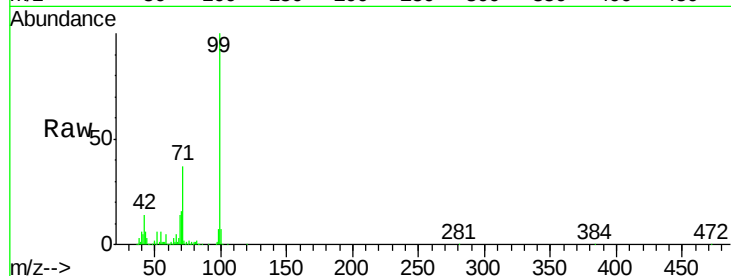
Tot Ion: 99 Resp: 547498

Ion Ratio Lower Upper

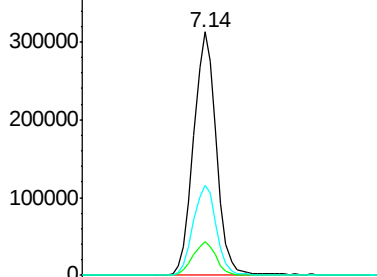
99 100

42 13.6 11.3 16.9

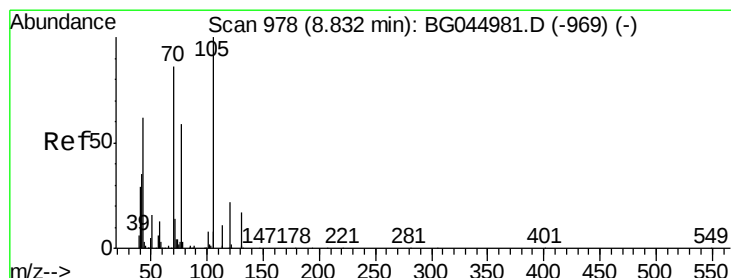
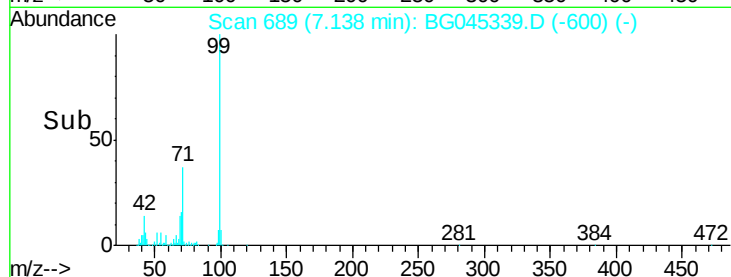
71 36.9 28.3 42.5



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



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 15.034 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

Tgt Ion: 70 Resp: 58818

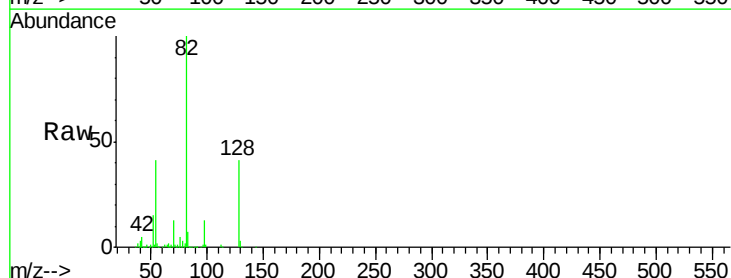
Ion Ratio Lower Upper

70 100

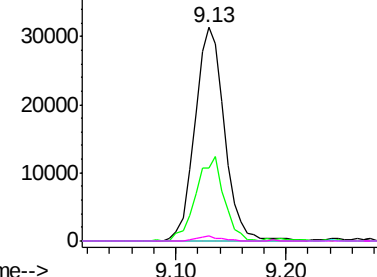
42 34.2 33.3 49.9

101 0.0 7.8 11.8#

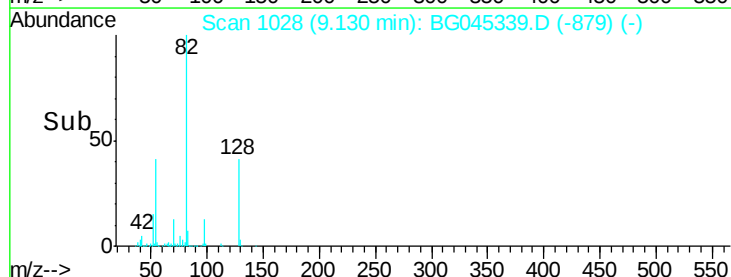
130 2.3 15.8 23.6#

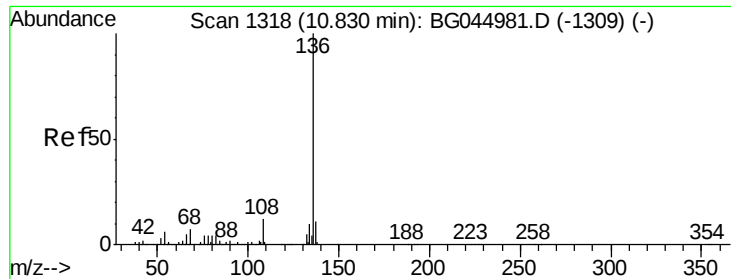


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



Time-->

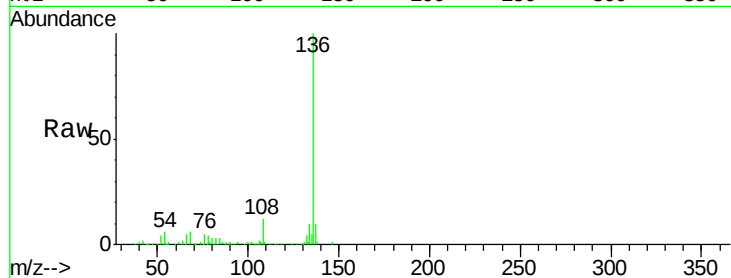




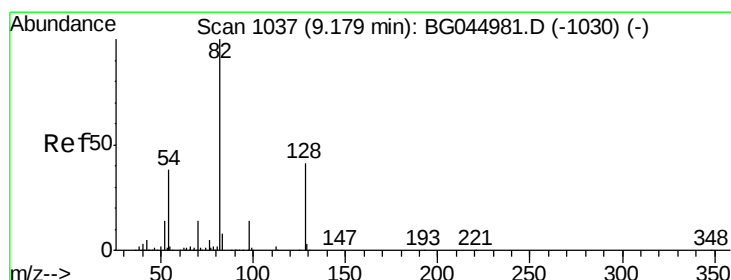
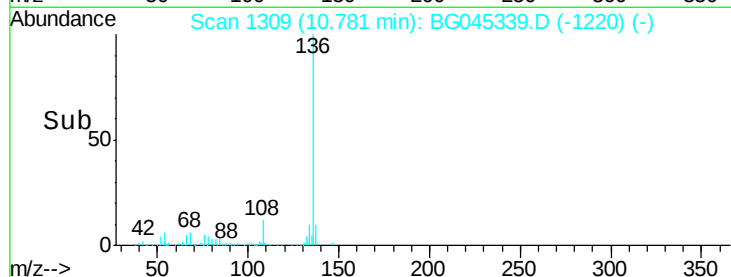
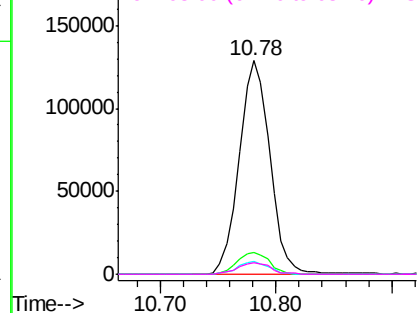
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BG045339.D
Acq: 12 May 2020 21:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 237050
Ion Ratio	Lower Upper
136 100	
137 10.2	8.6 13.0
54 6.1	4.8 7.2
68 5.7	5.2 7.8

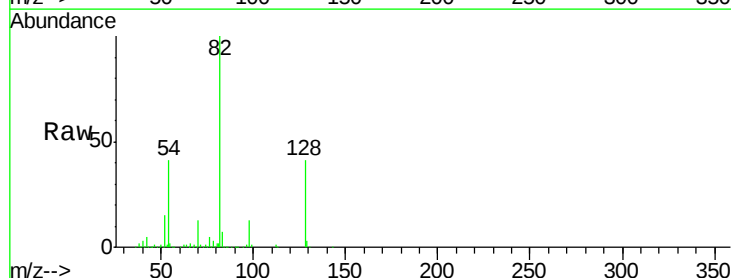


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

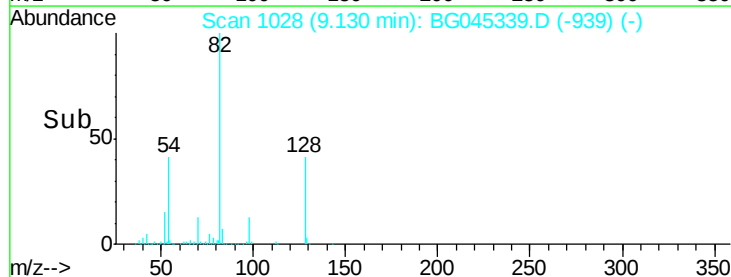
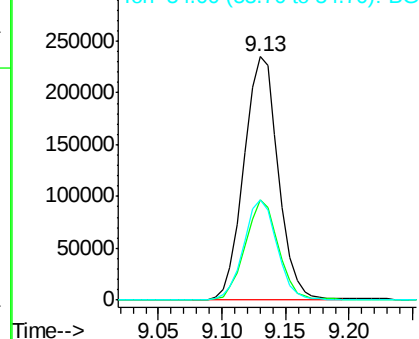


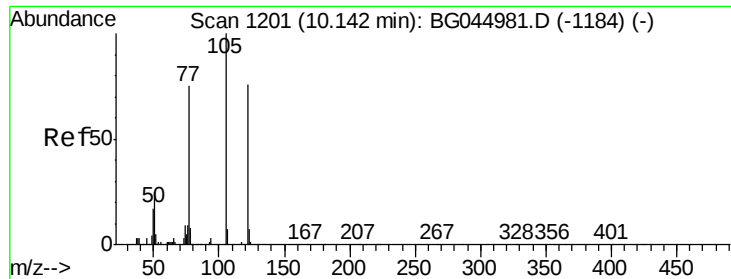
#23
Nitrobenzene-d5
Concen: 85.289 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG045339.D
Acq: 12 May 2020 21:45

Tgt	Ion: 82	Resp:	443093
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.0	49.4
54	41.1	30.4	45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
300000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.390 ng

RT: 10.22 min Scan# 1214

Delta R.T. 0.12 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

Instrument :

BNA_G

ClientSampleId :

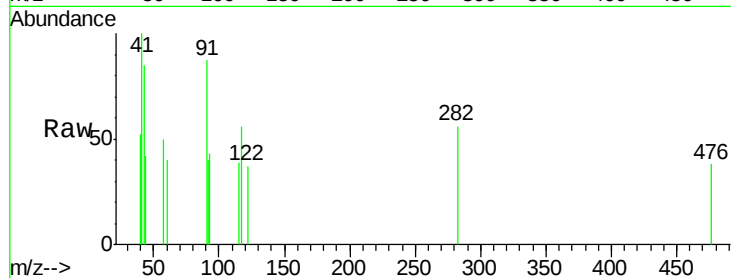
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

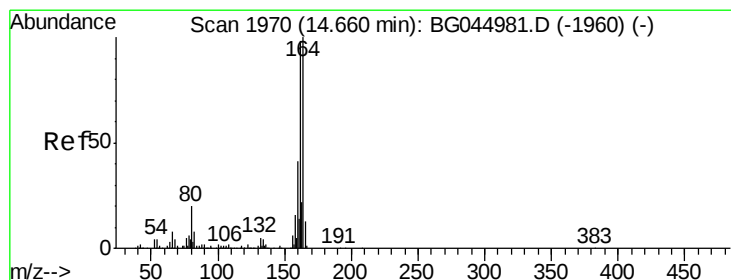
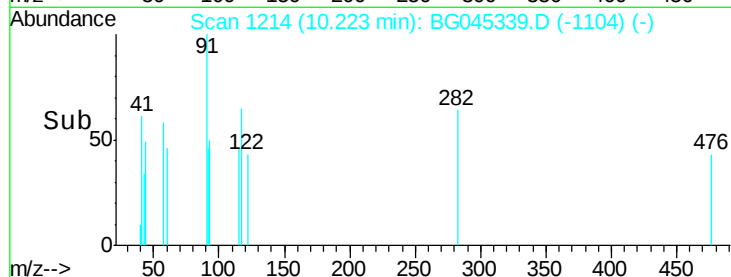
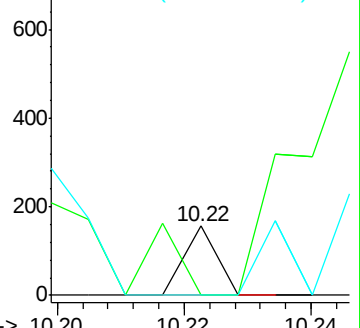
77 0.0 78.8 118.8#



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. -0.01 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

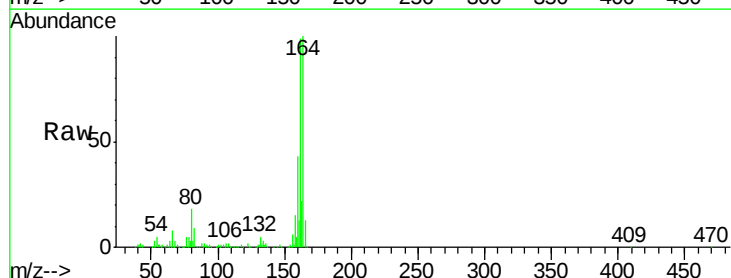
Tgt Ion:164 Resp: 172347

Ion Ratio Lower Upper

164 100

162 98.6 78.7 118.1

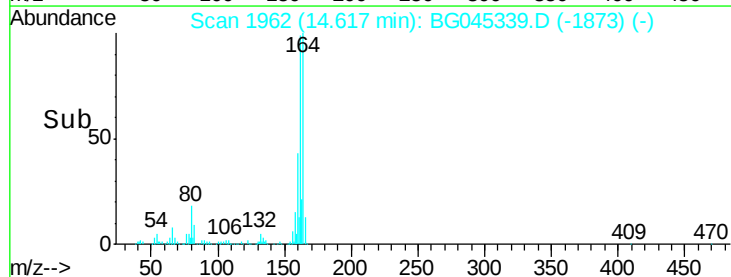
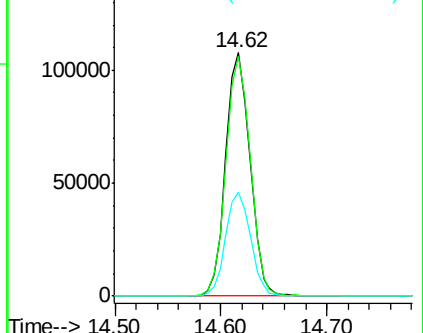
160 42.7 32.8 49.2

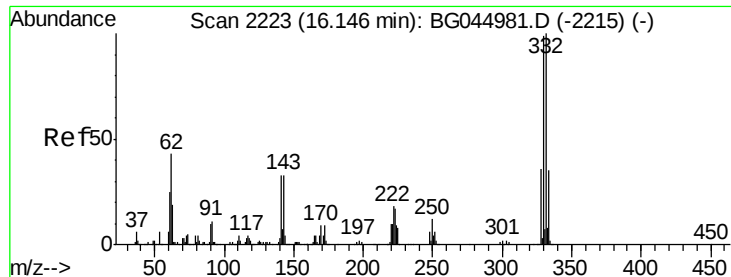


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

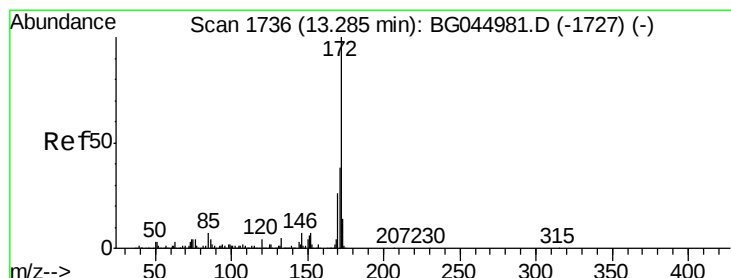
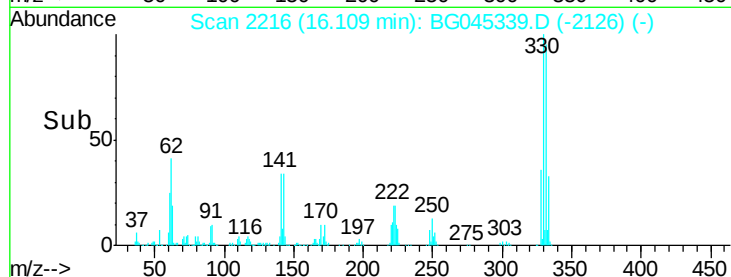
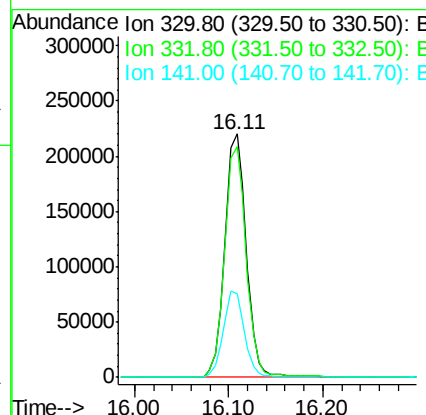
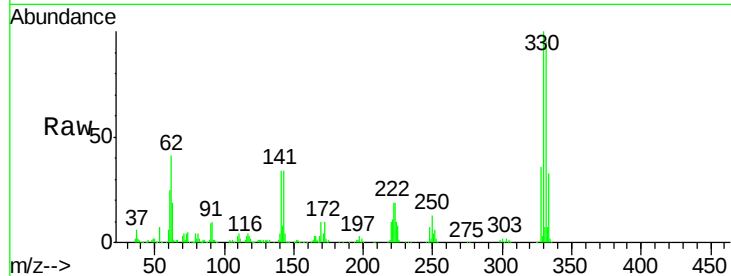




#42
 2,4,6-Tribromophenol
 Concen: 132.263 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. 0.00 min
 Lab File: BG045339.D
 Acq: 12 May 2020 21:45

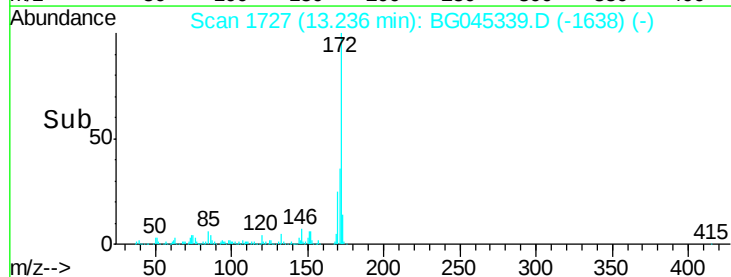
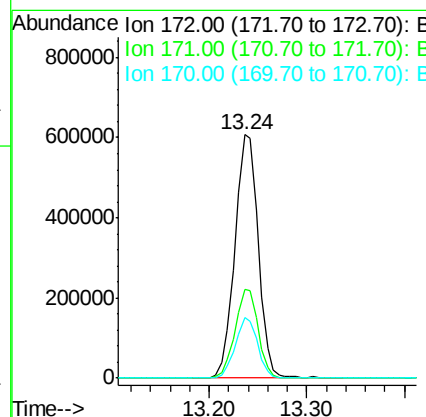
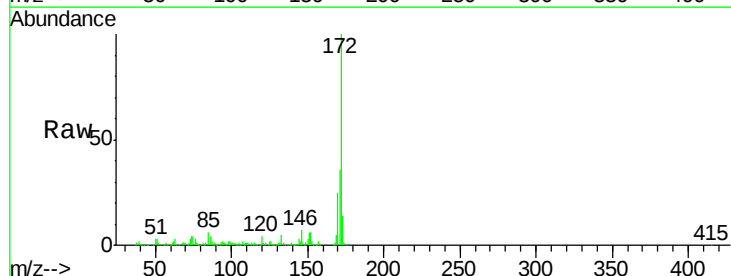
Instrument :
 BNA_G
 ClientSampleId :

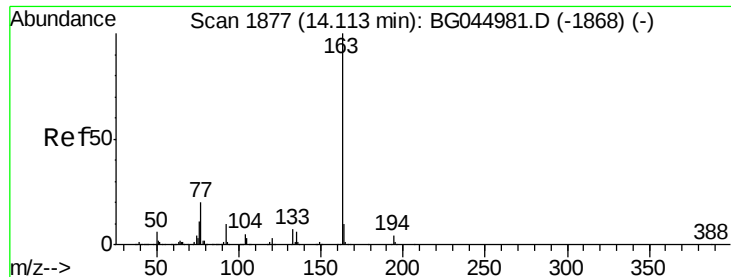
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	79.1	118.7
141	35.0	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 85.613 ng
 RT: 13.24 min Scan# 1727
 Delta R.T. -0.01 min
 Lab File: BG045339.D
 Acq: 12 May 2020 21:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.6	46.0
170	24.9	20.5	30.7





#50

Dimethylphthalate

Concen: 4.562 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

Instrument :

BNA_G

ClientSampled :

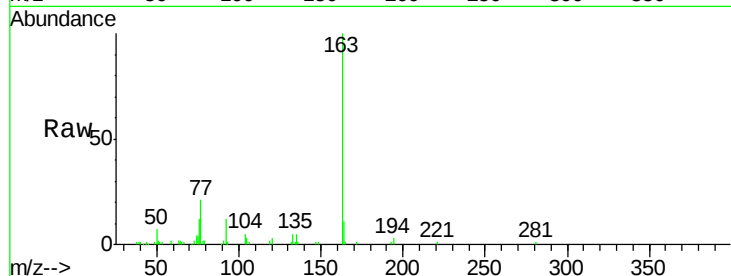
Tot Ion:163 Resp: 64023

Ion Ratio Lower Upper

163 100

194 3.5 3.5 5.3#

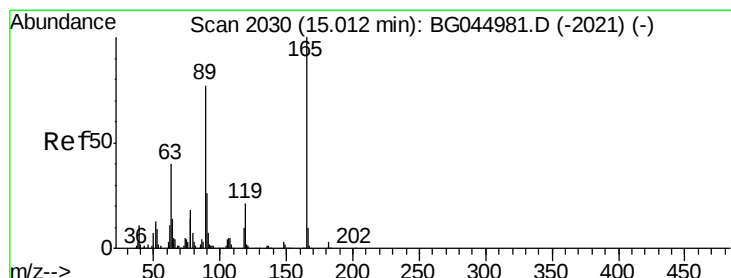
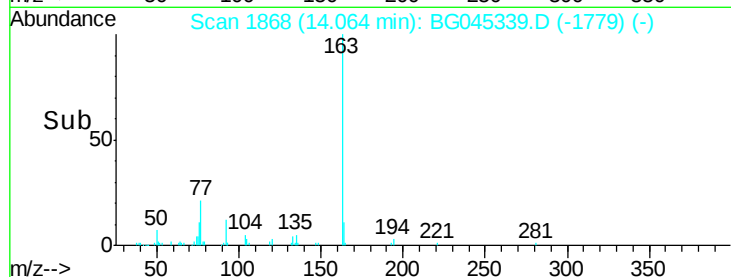
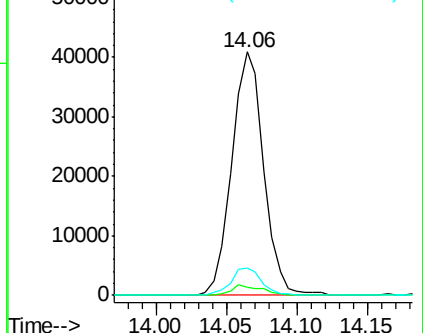
164 11.1 8.2 12.4



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: 5.062 ng

RT: 14.62 min Scan# 1962

Delta R.T. -0.36 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

Tgt Ion:165 Resp: 23218

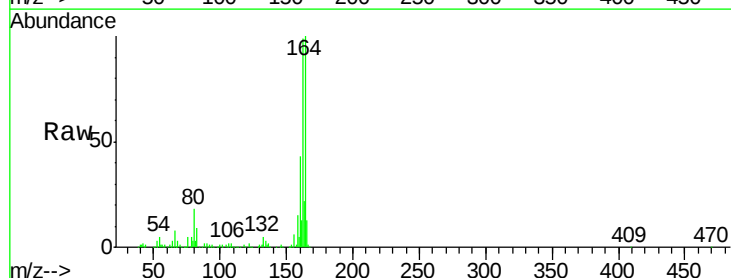
Ion Ratio Lower Upper

165 100

63 2.2 32.2 48.2#

89 2.5 61.7 92.5#

182 0.0 2.0 3.0#

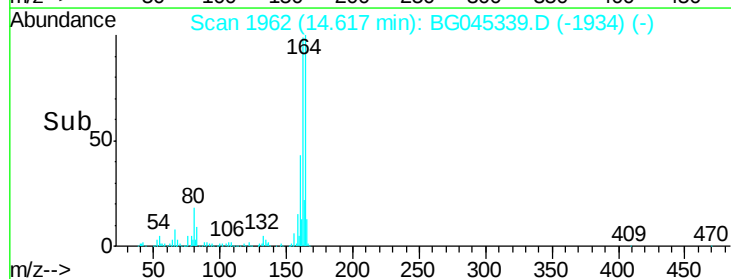
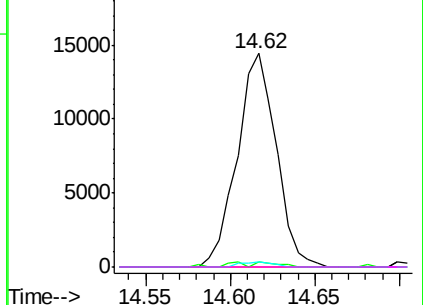


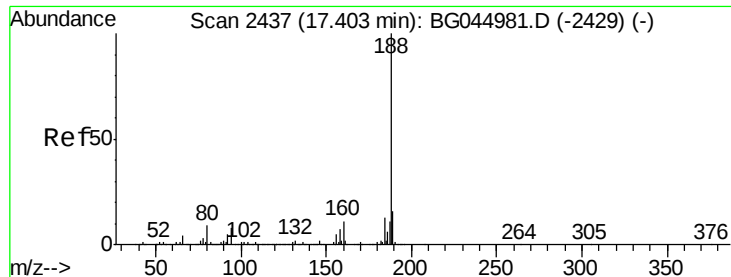
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

Instrument :

BNA_G

ClientSampleId :

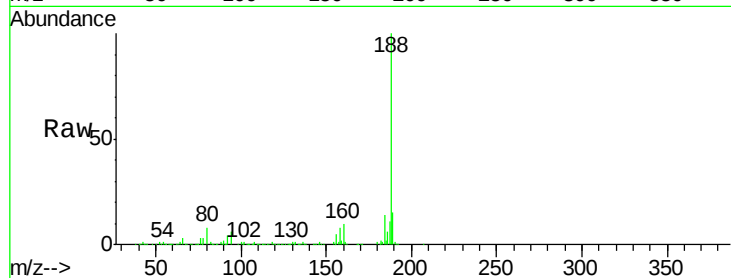
Tot Ion:188 Resp: 426249

Ion Ratio Lower Upper

188 100

94 6.5 6.2 9.4

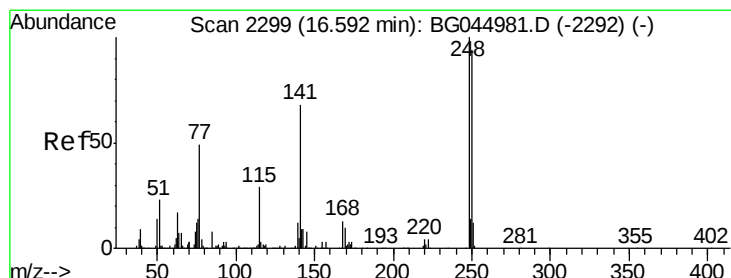
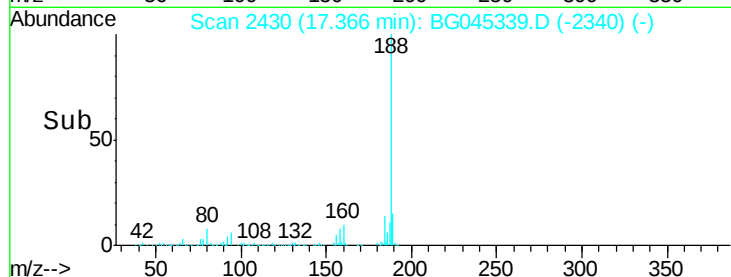
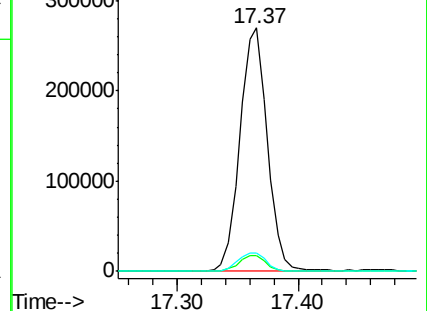
80 7.7 7.0 10.6



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: 4.410 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.45 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

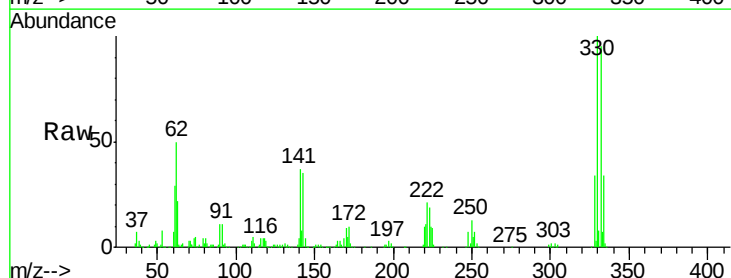
Tgt Ion:248 Resp: 24252

Ion Ratio Lower Upper

248 100

250 180.1 75.4 113.2#

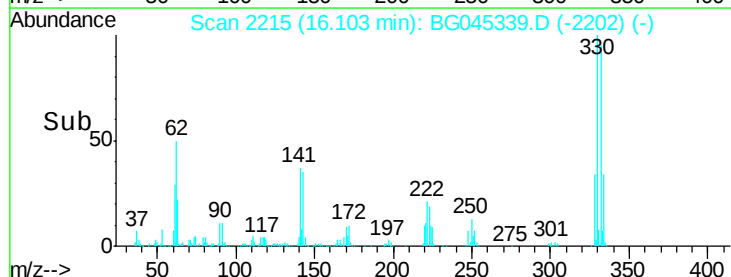
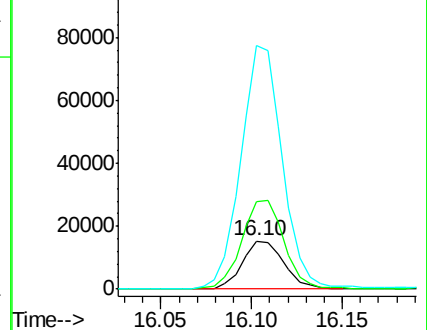
141 503.3 54.4 81.6#

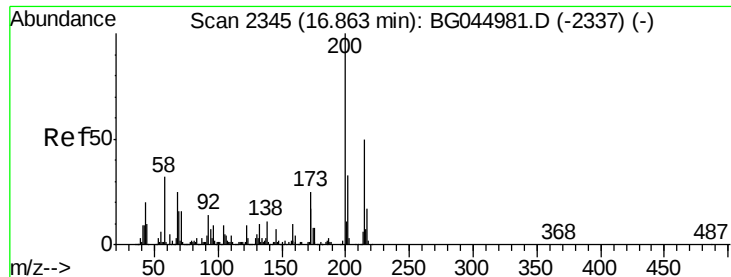


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2343

Delta R.T. 0.03 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

Instrument :

BNA_G

ClientSampleId :

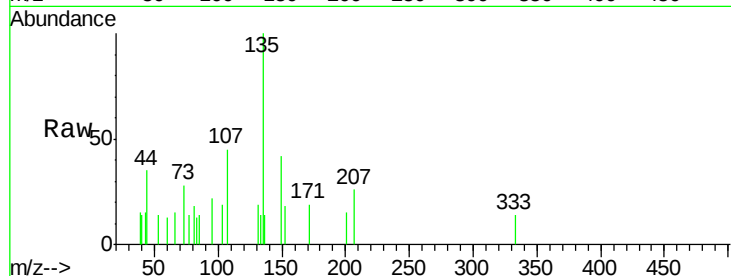
Tot Ion:200 Resp: 60

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

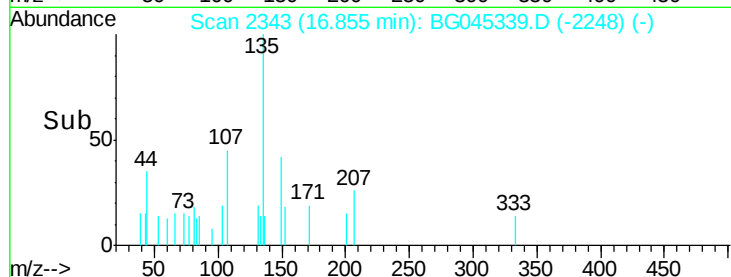
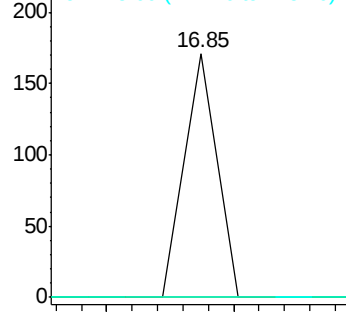
215 0.0 30.0 70.0#



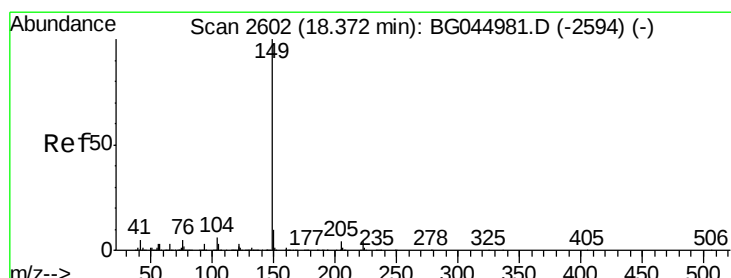
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2594

Delta R.T. -0.01 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

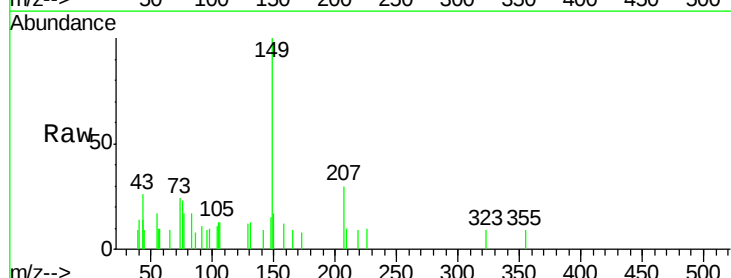
Tgt Ion:149 Resp: 2882

Ion Ratio Lower Upper

149 100

150 16.6 8.2 12.2#

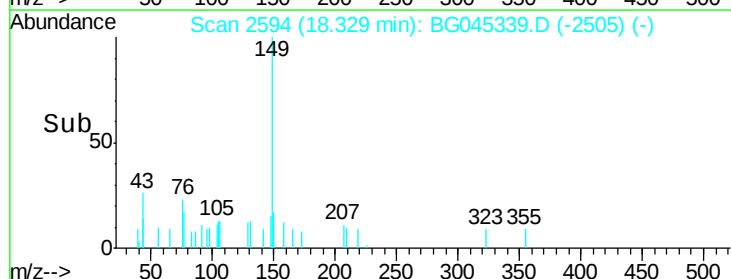
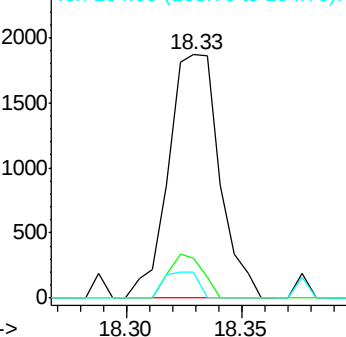
104 10.6 4.8 7.2#



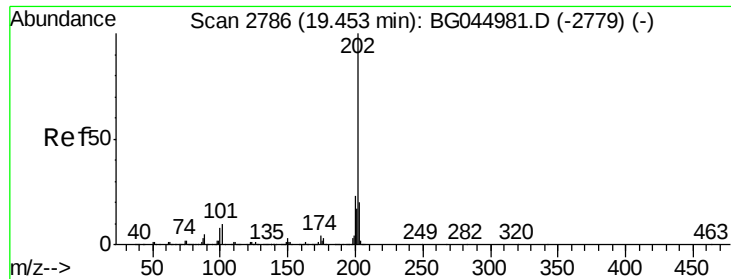
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



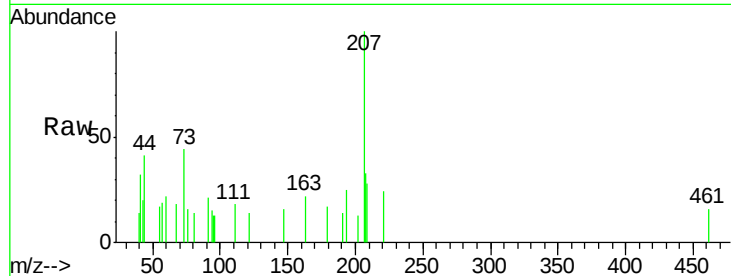
Time-->



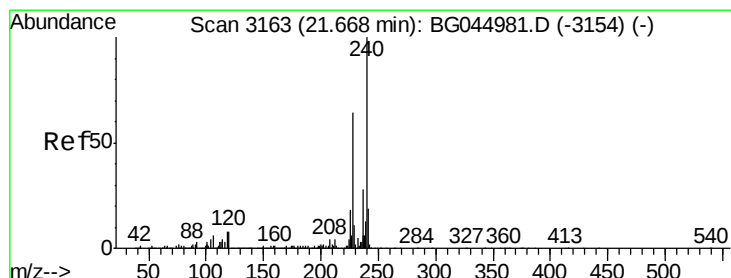
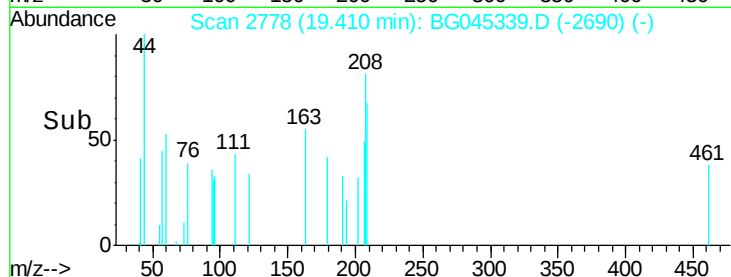
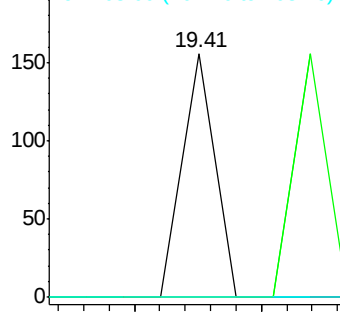
#75
Fluoranthene
Concen: Below Cal
RT: 19.41 min Scan# 2778
Delta R.T. -0.01 min
Lab File: BG045339.D
Acq: 12 May 2020 21:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	202	Resp:	55
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7

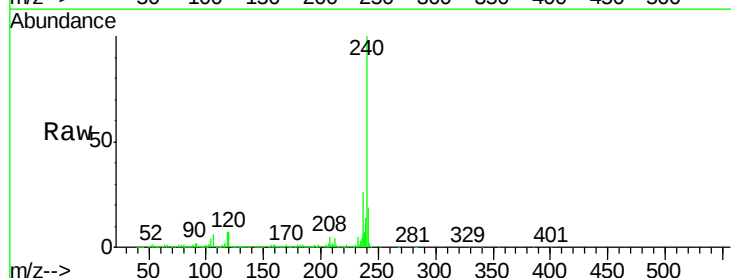


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

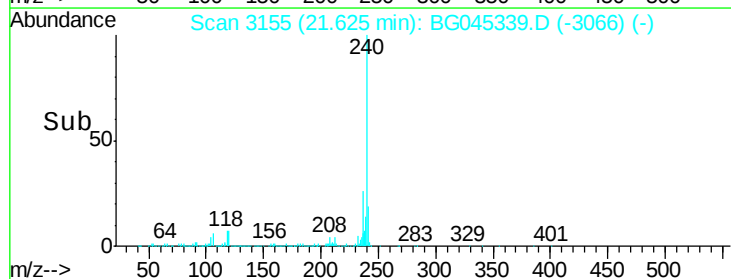
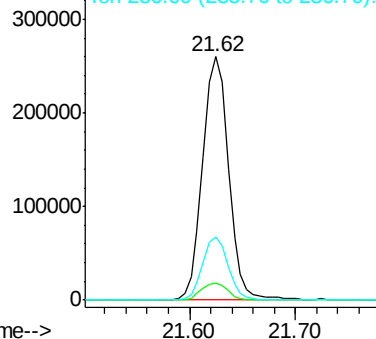


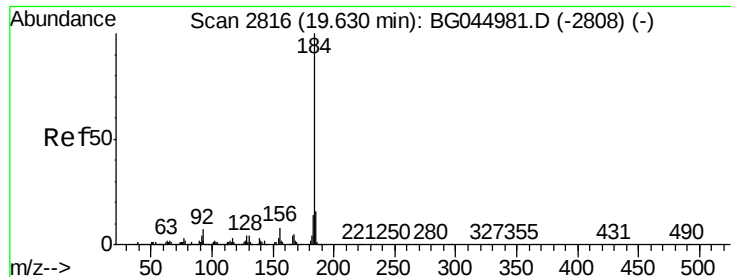
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG045339.D
Acq: 12 May 2020 21:45

Tgt Ion:	240	Resp:	441561
Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.6	10.0
236	25.7	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: 19.34 min Scan# 2766

Delta R.T. -0.26 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

Instrument :

BNA_G

ClientSampled :

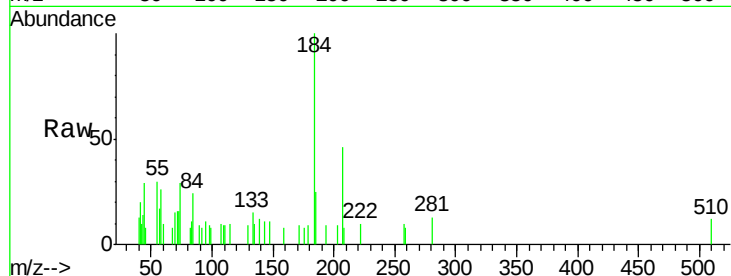
Tot Ion:184 Resp: 2572

Ion Ratio Lower Upper

184 100

185 25.0 12.6 19.0#

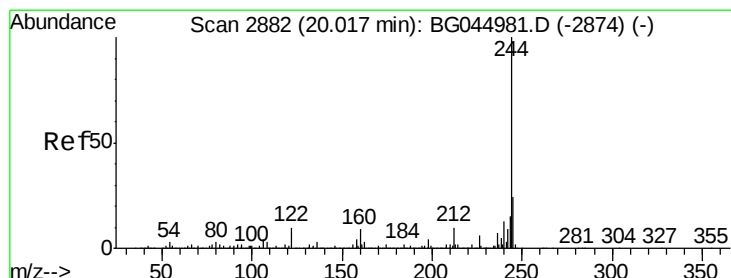
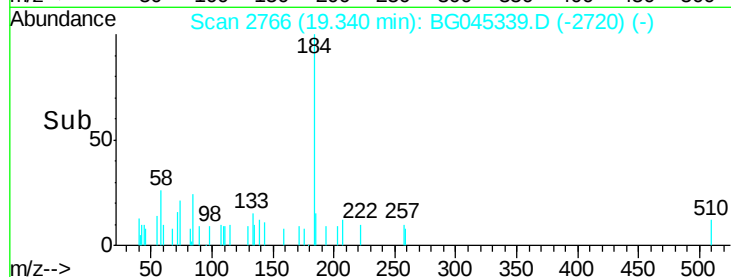
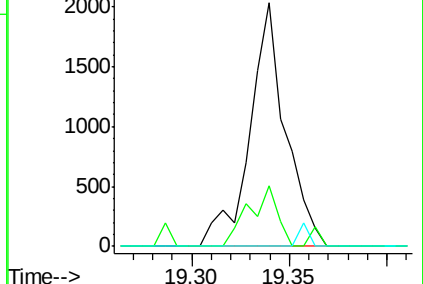
183 0.0 11.3 16.9#



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: 94.778 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.00 min

Lab File: BG045339.D

Acq: 12 May 2020 21:45

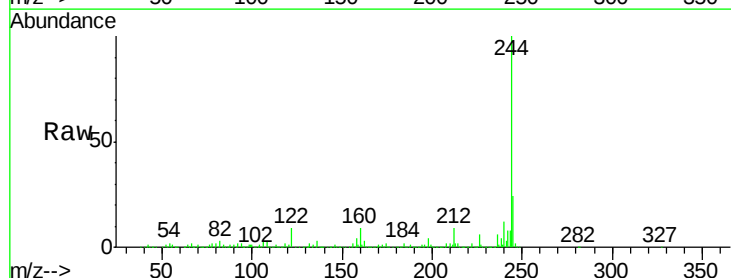
Tgt Ion:244 Resp: 1920128

Ion Ratio Lower Upper

244 100

212 9.4 7.9 11.9

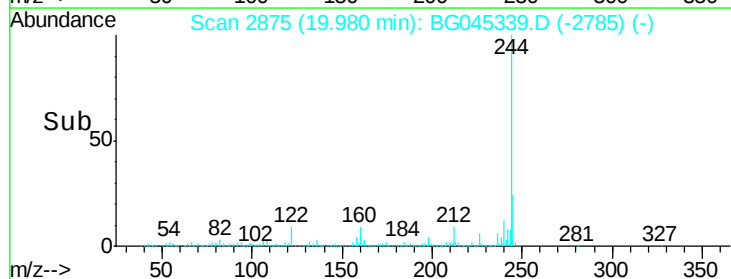
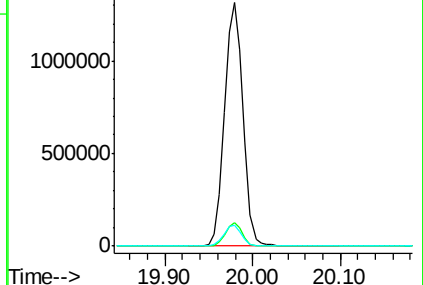
122 8.7 7.7 11.5

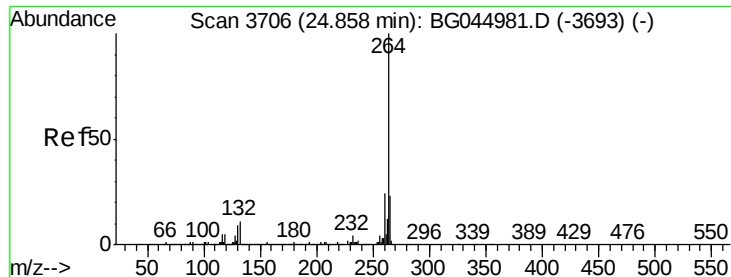


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3694
 Delta R.T. -0.01 min
 Lab File: BG045339.D
 Acq: 12 May 2020 21:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.1	19.0	28.4

