

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
 Data File : BG045170.D
 Acq On : 24 Apr 2020 21:03
 Operator : CG/JU
 Sample : L2120-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:22:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	64072	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	248565	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	170855	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	398518	20.00	ng	0.00
76) Chrysene-d12	21.64	240	408374	20.00	ng	-0.02
87) Perylene-d12	24.82	264	434739	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	526650	135.70	ng	0.00
7) Phenol-d6	7.17	99	650113	112.75	ng	0.00
23) Nitrobenzene-d5	9.16	82	542146	99.52	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	394253	149.37	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1222094	104.88	ng	0.00
79) Terphenyl-d14	20.00	244	2052659	109.55	ng	0.00

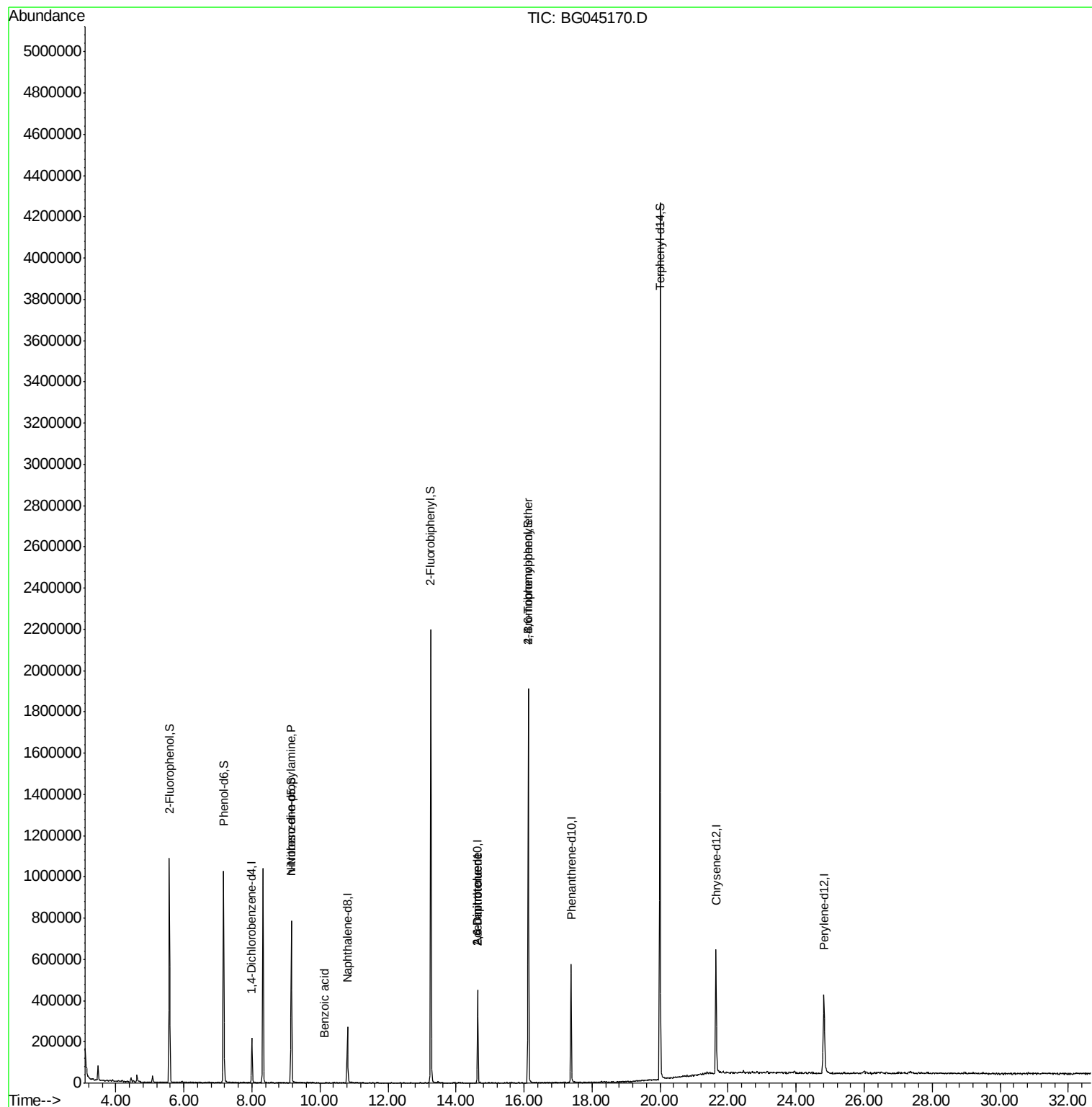
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	1366	Below Cal	#	16
19) n-Nitroso-di-n-propylamine	9.16	70	72832	17.861	ng	# 79
32) Benzoic acid	10.12	122	219	6.435	ng	# 24
51) 2,6-Dinitrotoluene	14.63	165	22656	7.281	ng	# 25
57) 2,4-Dinitrotoluene	14.63	165	22656	4.982	ng	# 23
67) 4-Bromophenyl-phenylether	16.13	248	26889	5.230	ng	# 1
69) Atrazine	16.50	200	125	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	3191	Below Cal	#	76
75) Fluoranthene	19.43	202	682	Below Cal	#	62
77) Benzidine	20.00	184	41480	Below Cal	#	89

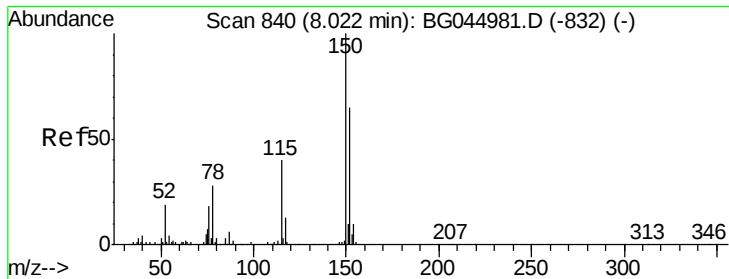
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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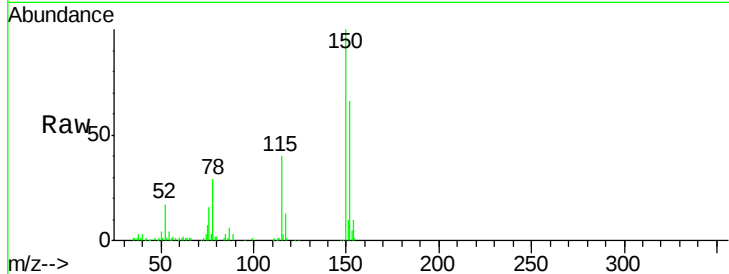


#1

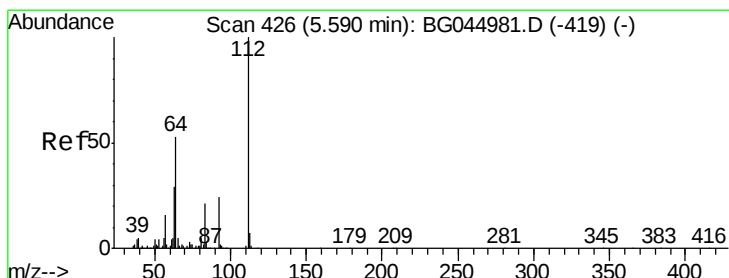
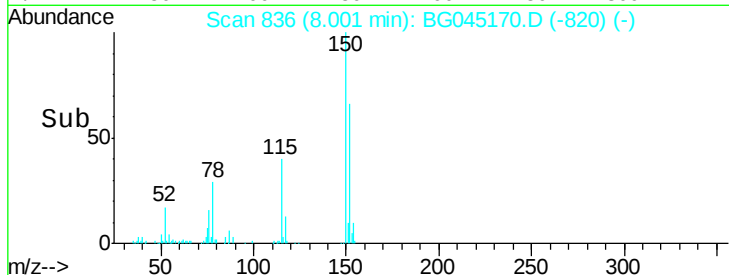
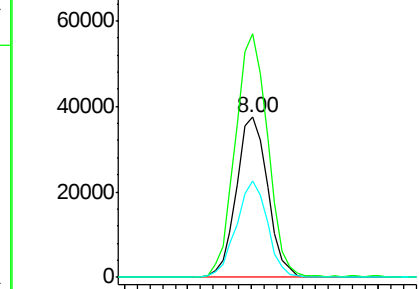
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG045170.D
Acq: 24 Apr 2020 21:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64072
Ion Ratio Lower Upper
152 100
150 152.3 123.6 185.4
115 60.4 49.1 73.7



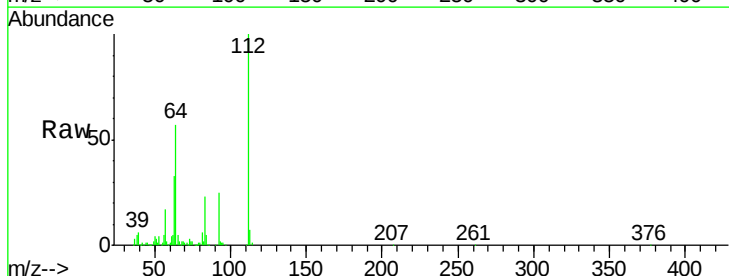
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



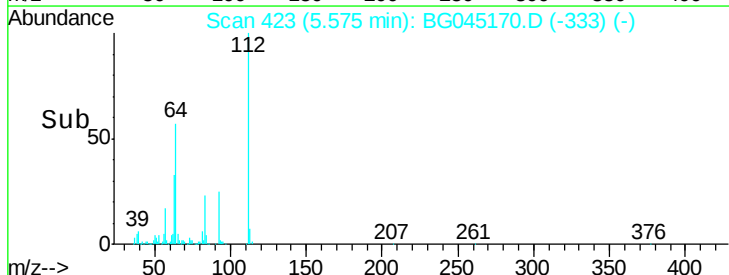
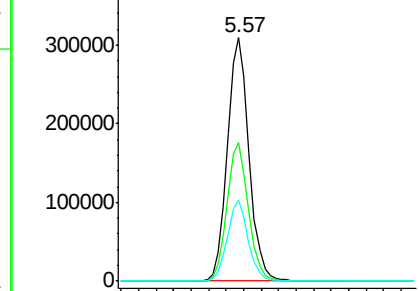
#5

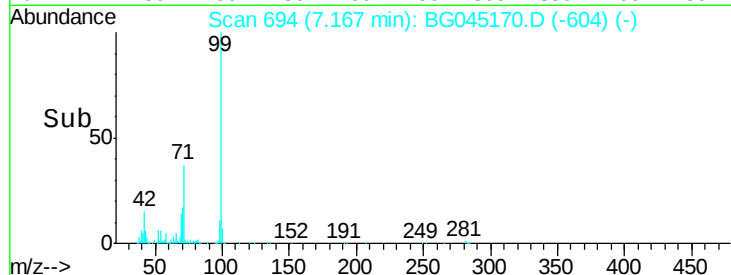
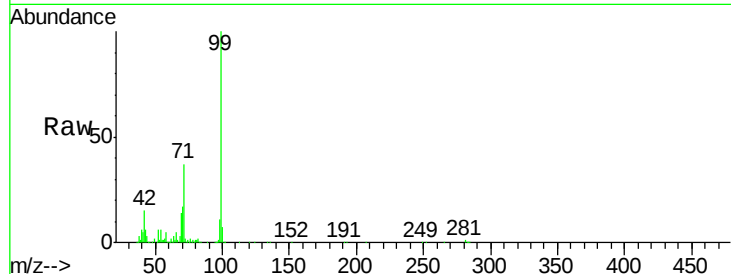
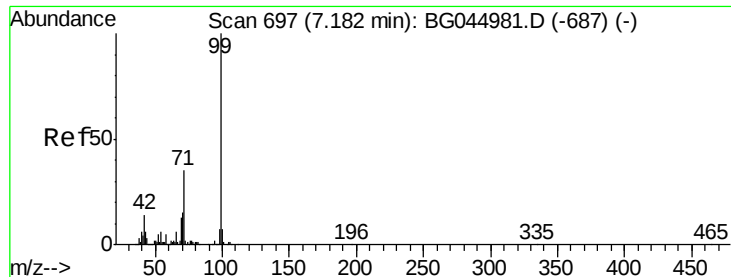
2-Fluorophenol
Concen: 135.702 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG045170.D
Acq: 24 Apr 2020 21:03

Tgt Ion:112 Resp: 526650
Ion Ratio Lower Upper
112 100
64 57.1 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 112.748 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Instrument :

BNA_G

ClientSampleId :

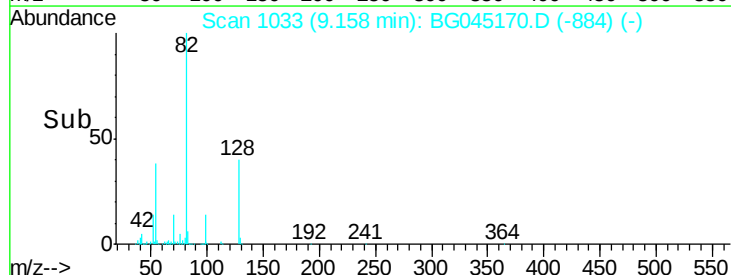
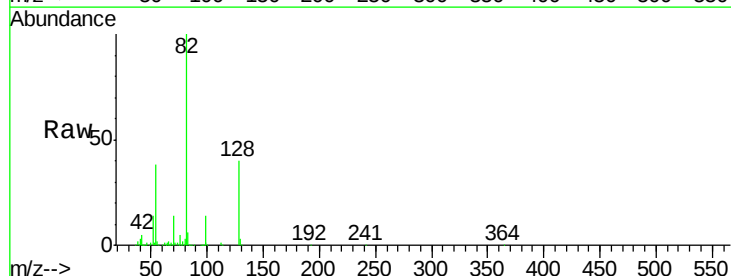
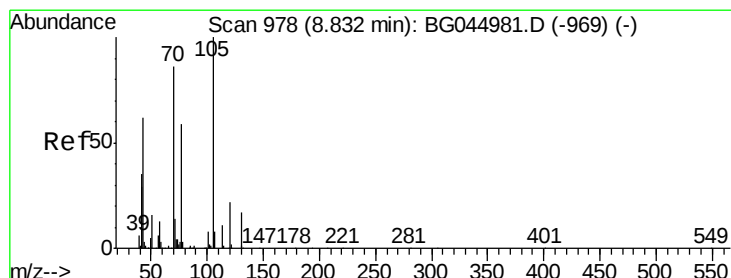
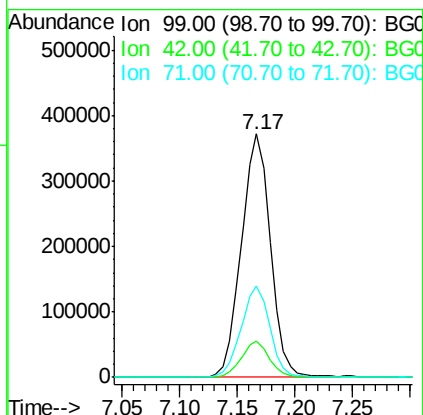
Tot Ion: 99 Resp: 650113

Ion Ratio Lower Upper

99 100

42 14.9 11.3 16.9

71 37.5 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 17.861 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Tgt Ion: 70 Resp: 72832

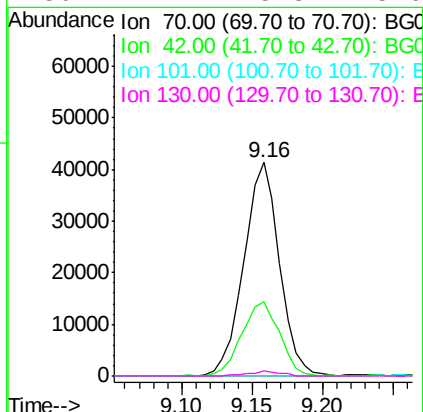
Ion Ratio Lower Upper

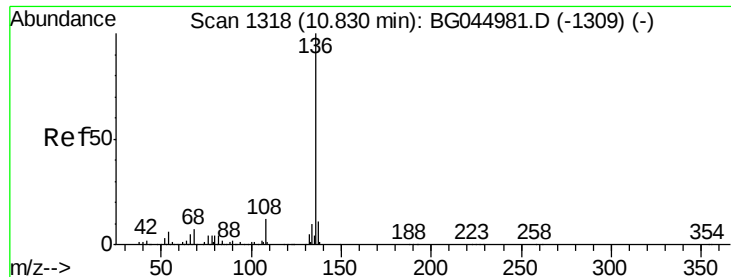
70 100

42 34.7 33.3 49.9

101 0.0 7.8 11.8#

130 2.2 15.8 23.6#

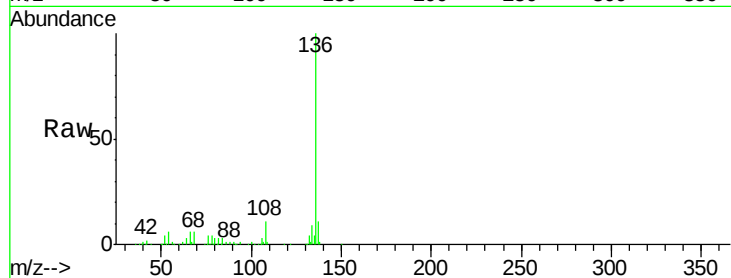




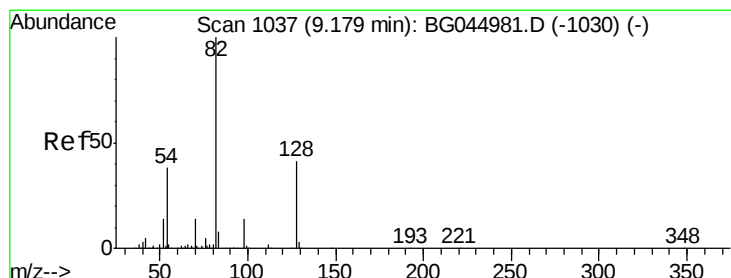
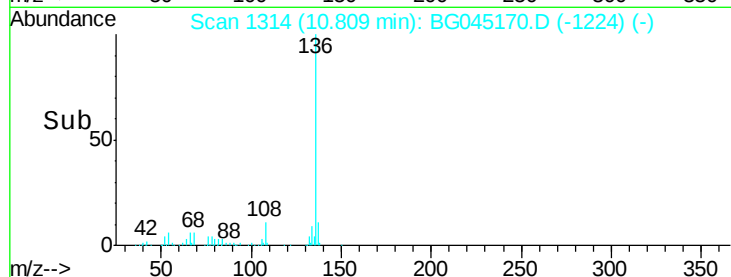
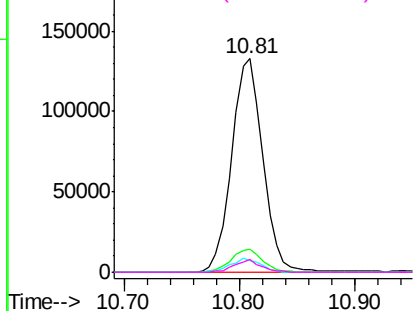
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045170.D
Acq: 24 Apr 2020 21:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	248565
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.6	13.0
54 5.6	4.8	7.2
68 5.9	5.2	7.8

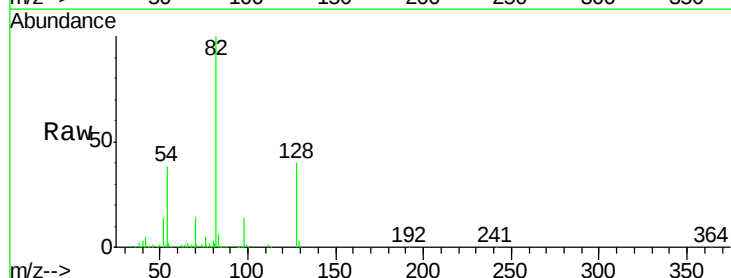


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

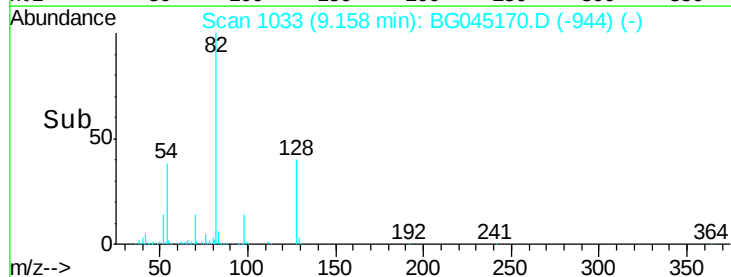
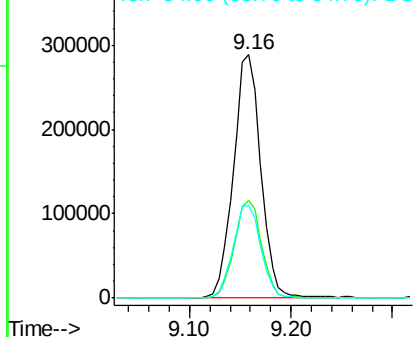


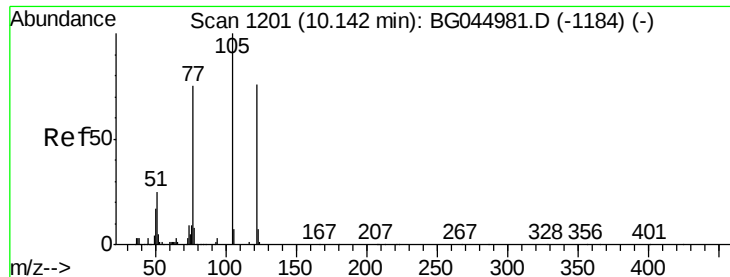
#23
Nitrobenzene-d5
Concen: 99.521 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045170.D
Acq: 24 Apr 2020 21:03

Tgt	Ion: 82	Resp:	542146
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.0	49.4
54	38.0	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: 6.435 ng

RT: 10.12 min Scan# 1196

Delta R.T. -0.02 min

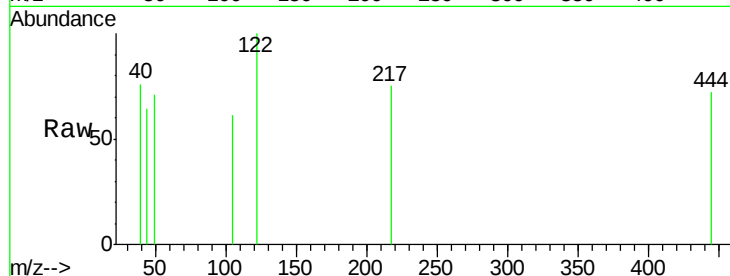
Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Instrument :

BNA_G

ClientSampleId :



Tot Ion:122 Resp: 219

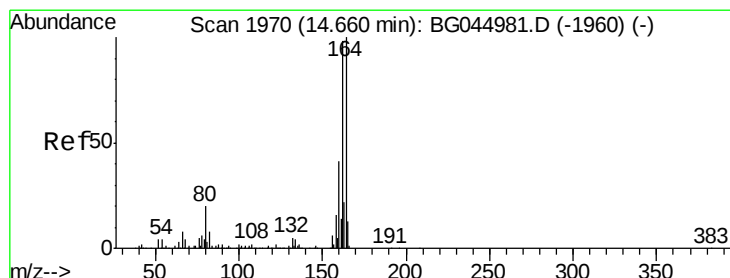
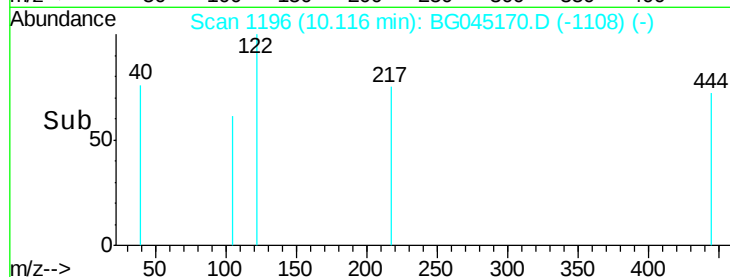
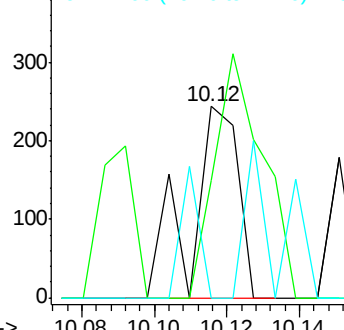
Ion Ratio Lower Upper

122 100

105 61.5 108.4 148.4#

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: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Tgt Ion:164 Resp: 170855

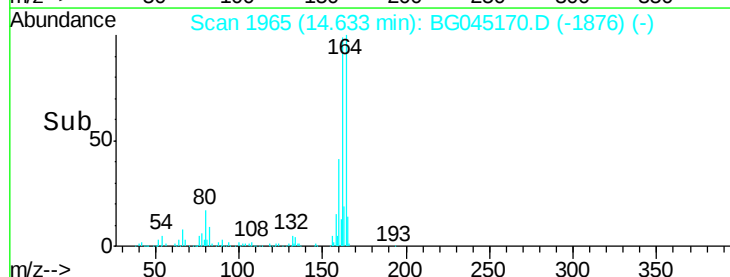
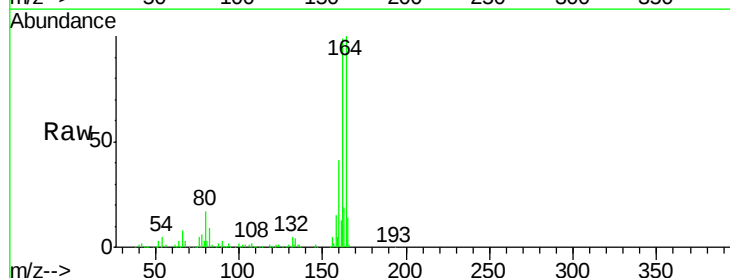
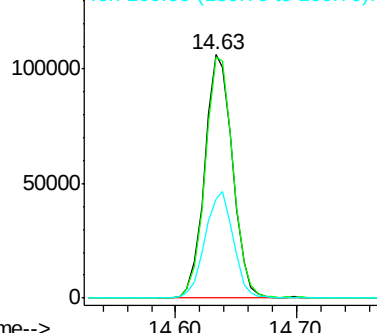
Ion Ratio Lower Upper

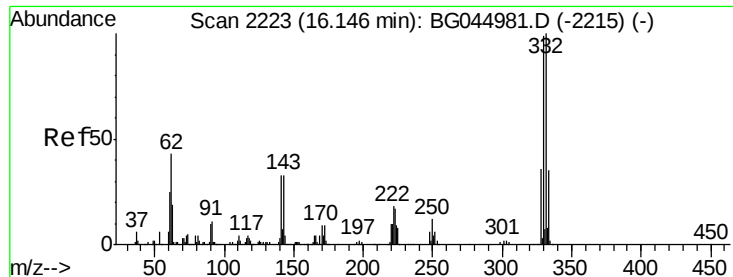
164 100

162 98.8 78.7 118.1

160 40.9 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

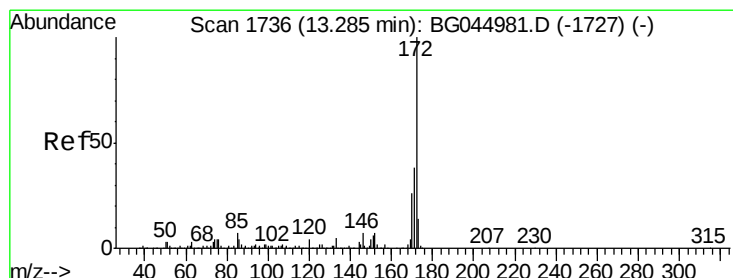
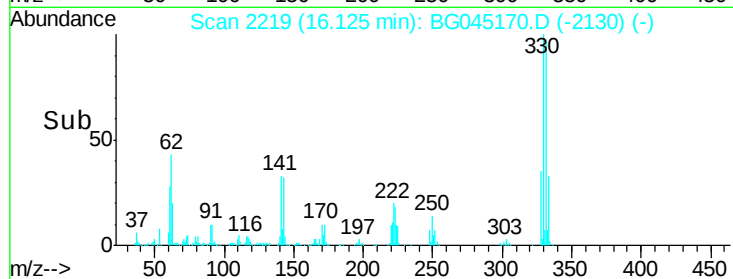
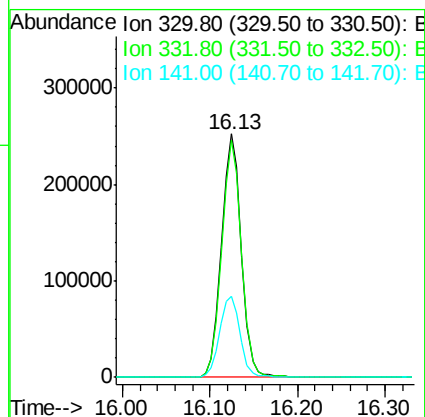
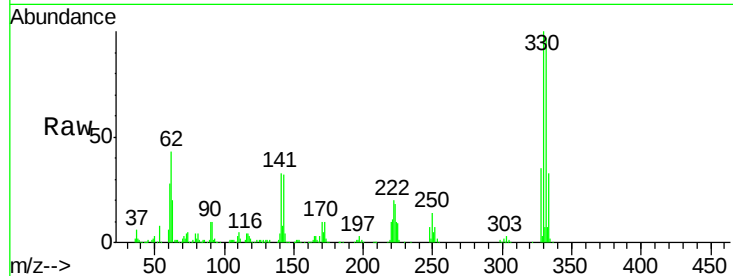




#42
 2,4,6-Tribromophenol
 Concen: 149.367 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG045170.D
 Acq: 24 Apr 2020 21:03

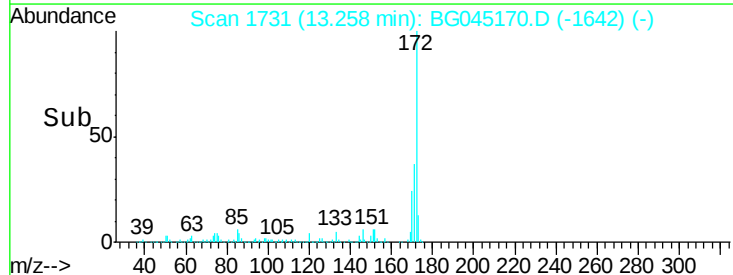
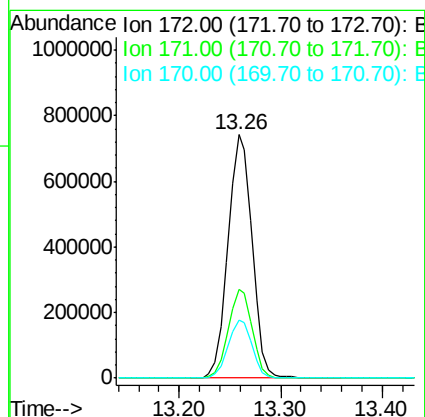
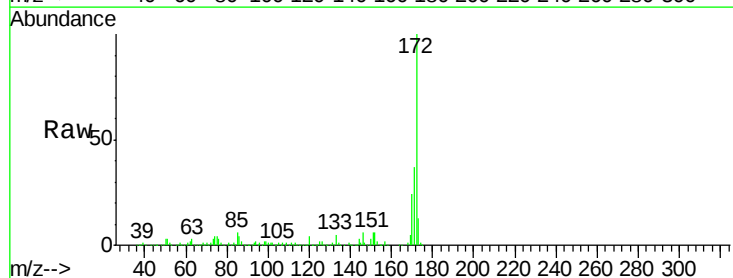
Instrument :
 BNA_G
 ClientSampleId :

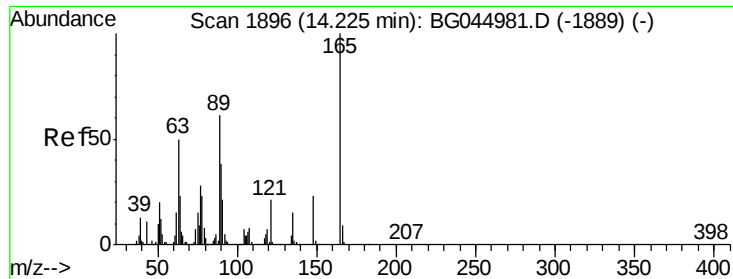
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.1	118.7
141	34.6	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 104.883 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG045170.D
 Acq: 24 Apr 2020 21:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	46.0
170	23.6	20.5	30.7





#51

2,6-Dinitrotoluene

Concen: 7.281 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.42 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Instrument :

BNA_G

ClientSampleId :

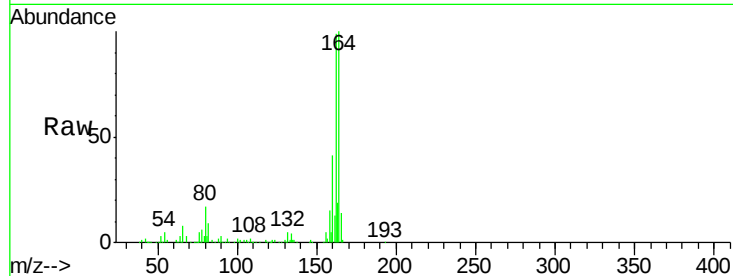
Tot Ion:165 Resp: 22656

Ion Ratio Lower Upper

165 100

63 1.1 40.4 60.6#

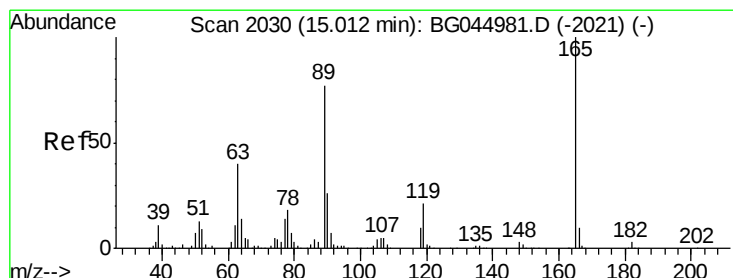
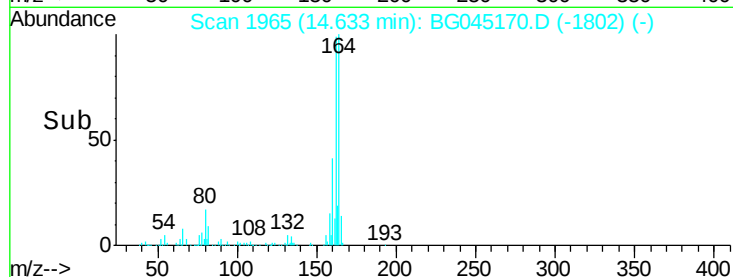
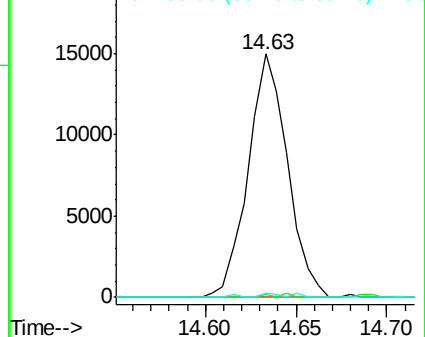
89 1.8 49.1 73.7#



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: 4.982 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.37 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Tgt Ion:165 Resp: 22656

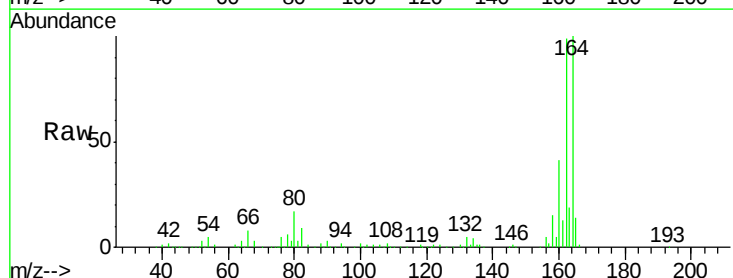
Ion Ratio Lower Upper

165 100

63 1.1 32.2 48.2#

89 1.8 61.7 92.5#

182 0.0 2.0 3.0#

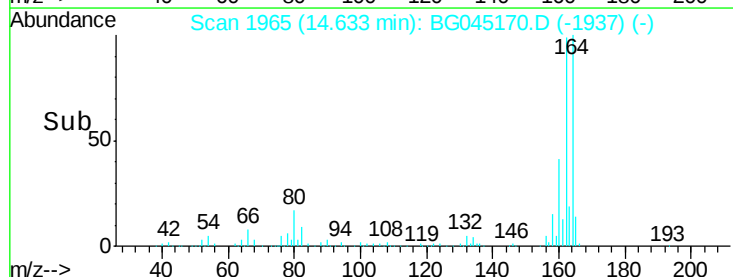
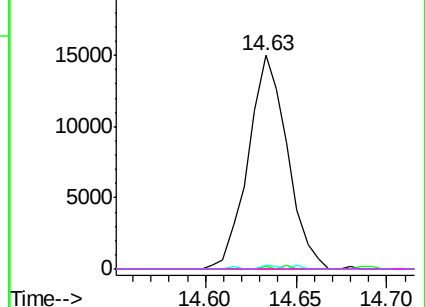


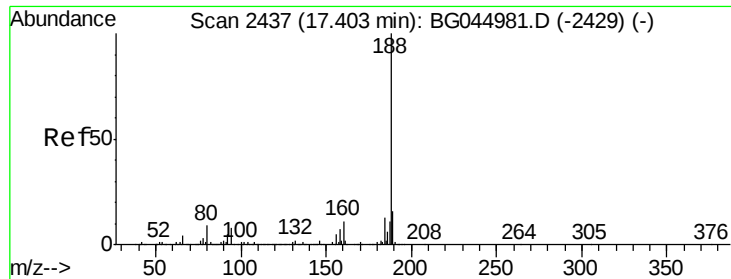
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Instrument :

BNA_G

ClientSampleId :

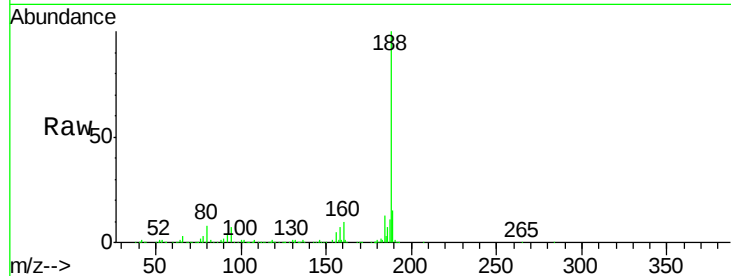
Tot Ion:188 Resp: 398518

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.4

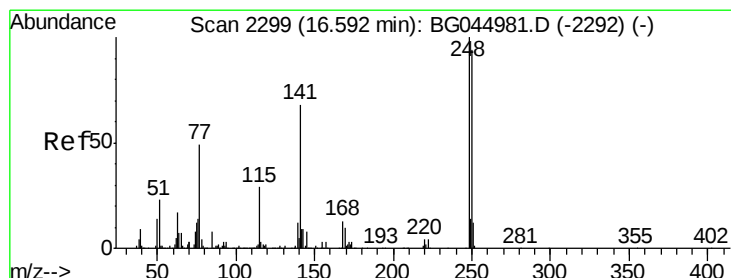
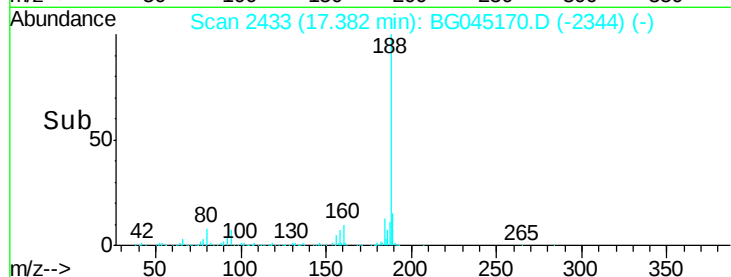
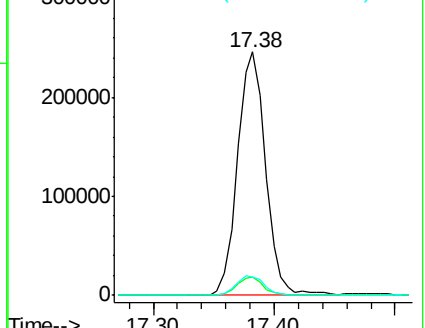
80 7.6 7.0 10.6



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: 5.230 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.46 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

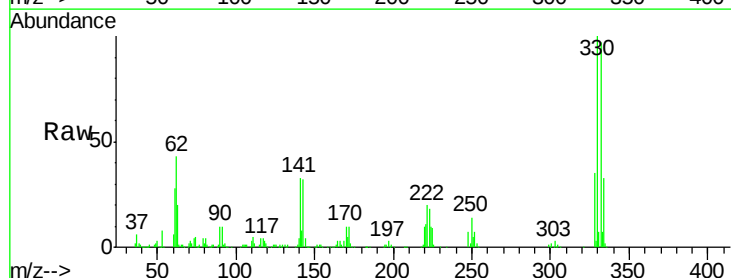
Tgt Ion:248 Resp: 26889

Ion Ratio Lower Upper

248 100

250 193.1 75.4 113.2#

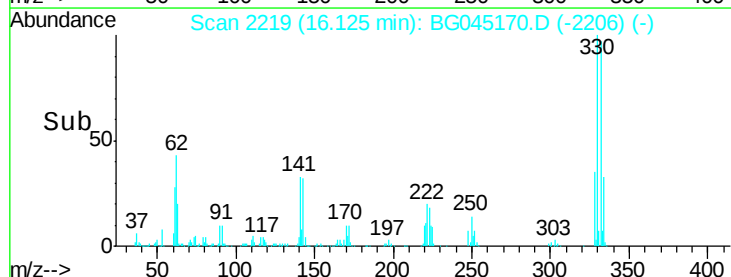
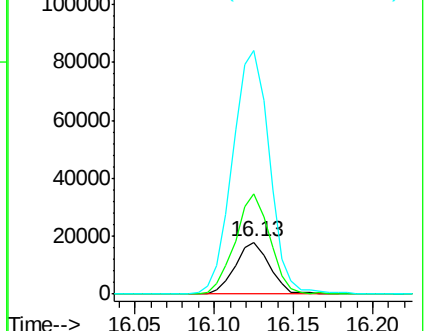
141 469.7 54.4 81.6#

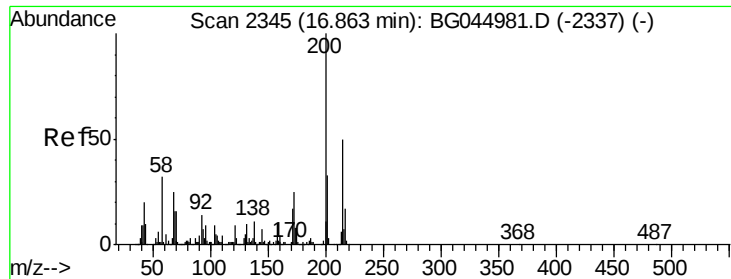


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.50 min Scan# 2283

Delta R.T. -0.34 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Instrument :

BNA_G

ClientSampleId :

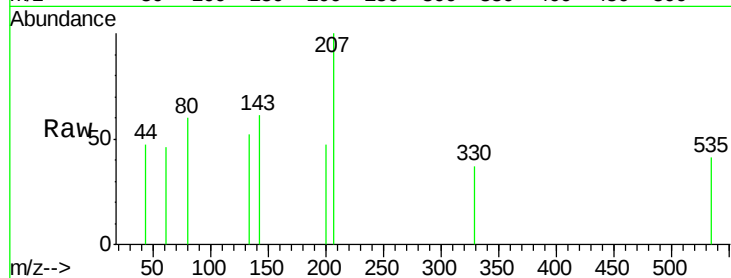
Tot Ion:200 Resp: 125

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#



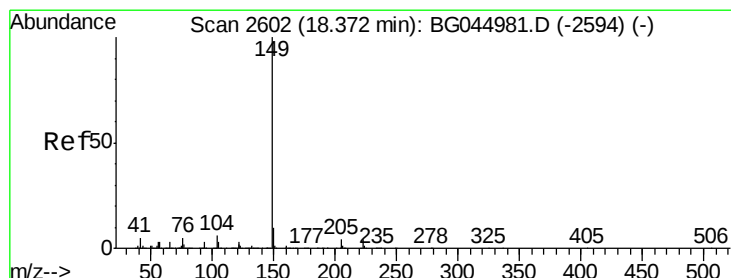
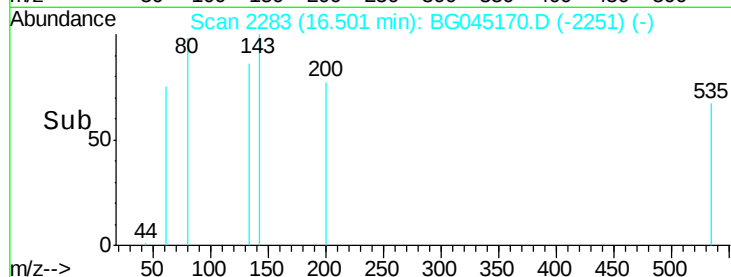
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.50

Time--> 16.48 16.50 16.52



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2596

Delta R.T. -0.02 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

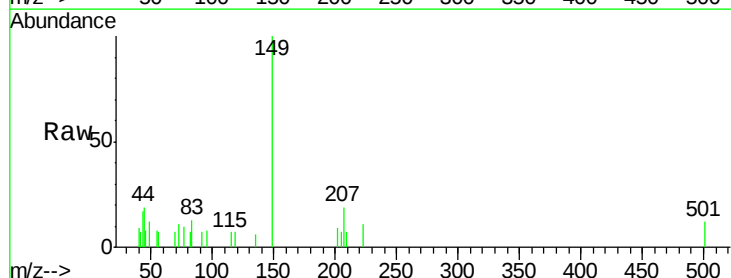
Tgt Ion:149 Resp: 3191

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 0.0 4.8 7.2#



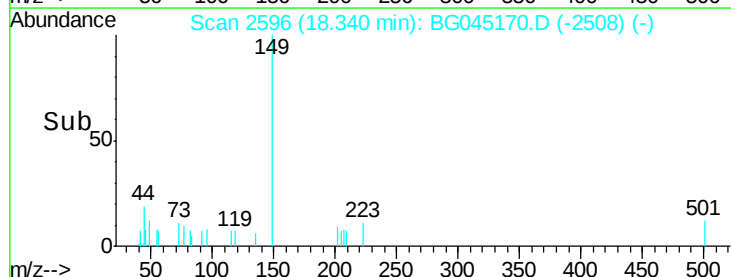
Abundance Ion 149.00 (148.70 to 149.70): E

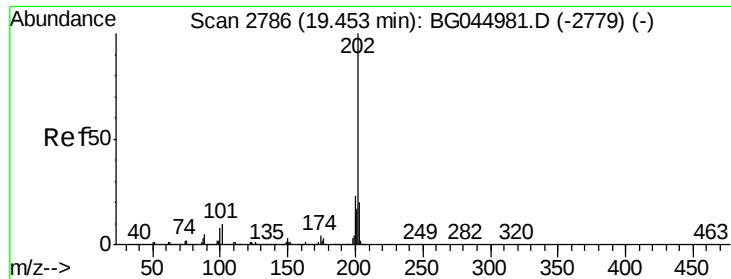
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.34

Time--> 18.30 18.35 18.40





#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2781

Delta R.T. -0.02 min

Lab File: BG045170.D

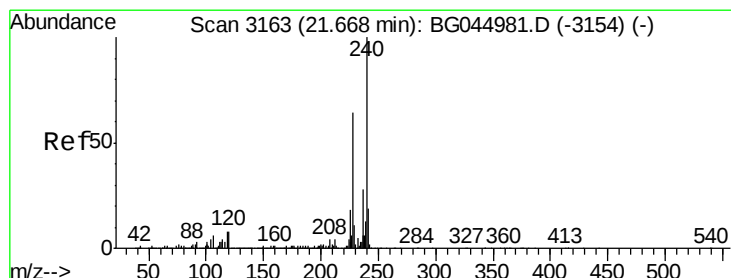
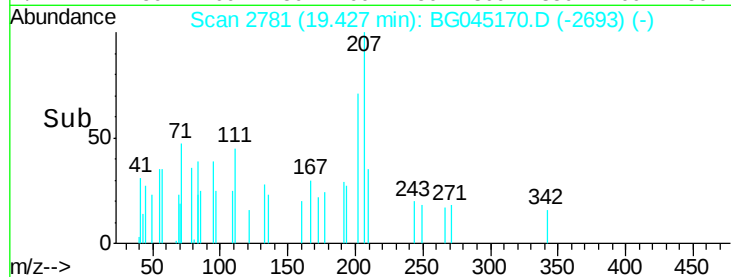
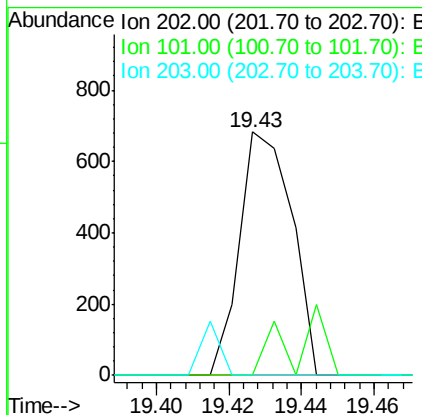
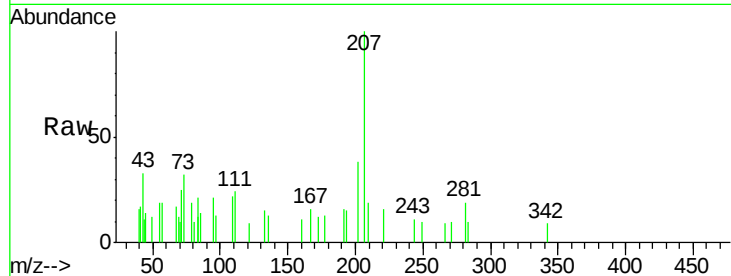
Acq: 24 Apr 2020 21:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	682
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

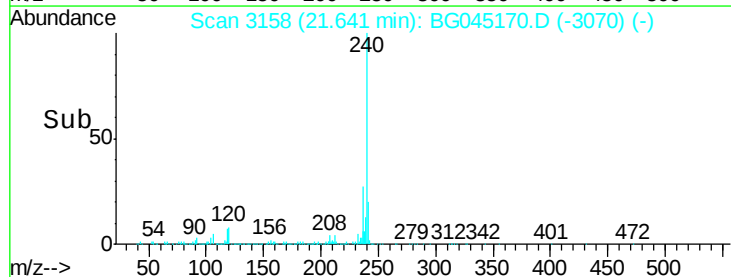
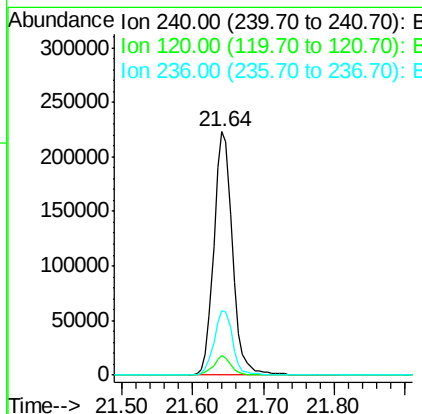
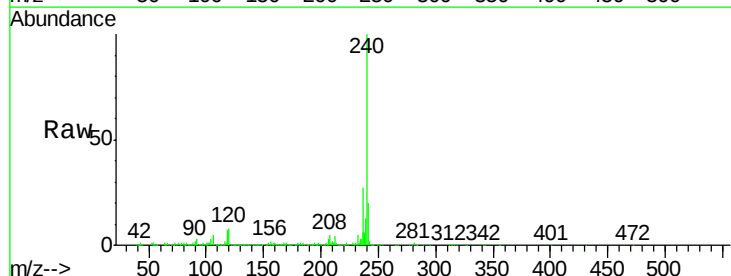
RT: 21.64 min Scan# 3158

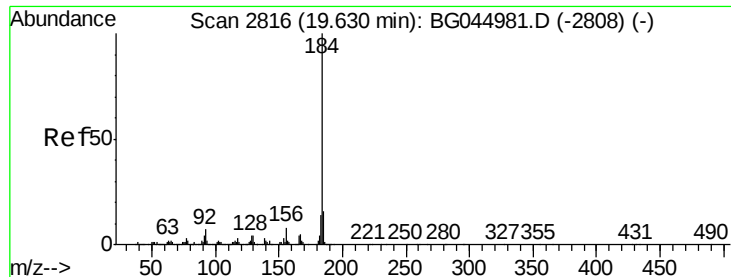
Delta R.T. -0.02 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Tgt Ion:	240	Resp:	408374
Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.6	10.0
236	26.6	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.00 min Scan# 2878

Delta R.T. 0.38 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

Instrument :

BNA_G

ClientSampleId :

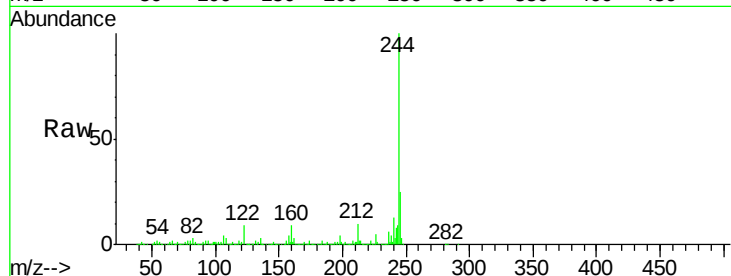
Tot Ion:184 Resp: 41480

Ion Ratio Lower Upper

184 100

185 16.3 12.6 19.0

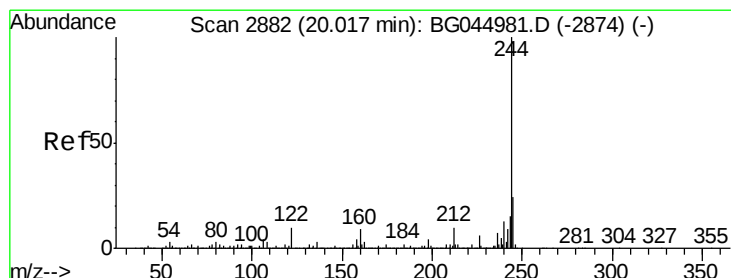
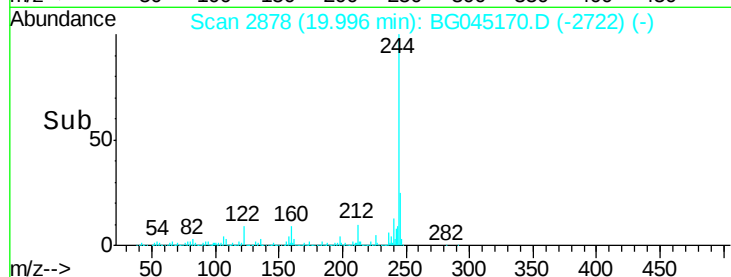
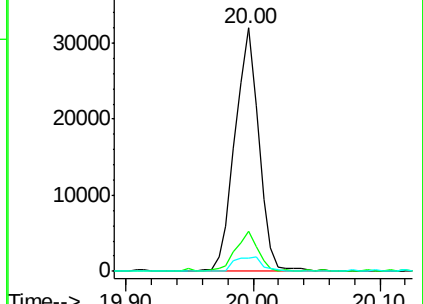
183 5.5 11.3 16.9#



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: 109.554 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG045170.D

Acq: 24 Apr 2020 21:03

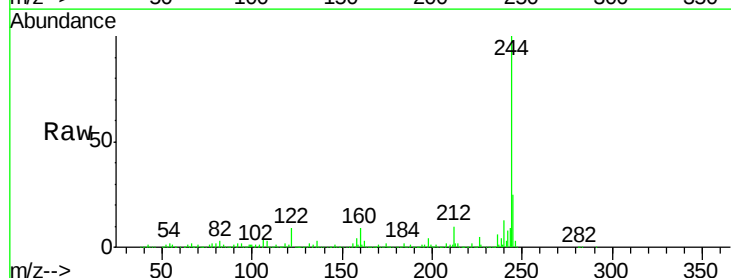
Tgt Ion:244 Resp: 2052659

Ion Ratio Lower Upper

244 100

212 9.7 7.9 11.9

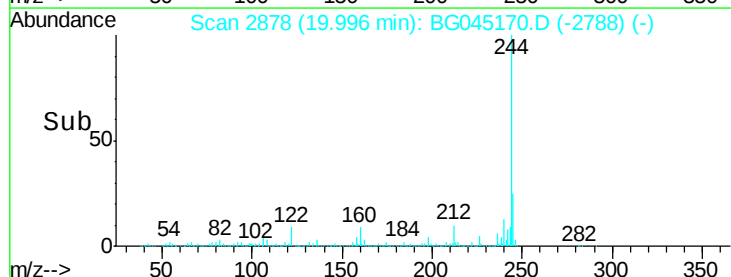
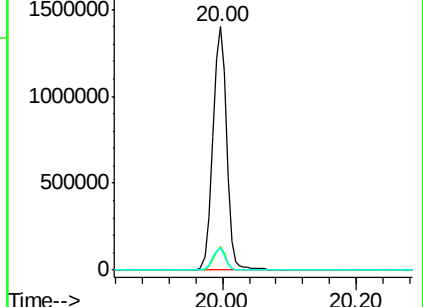
122 9.0 7.7 11.5

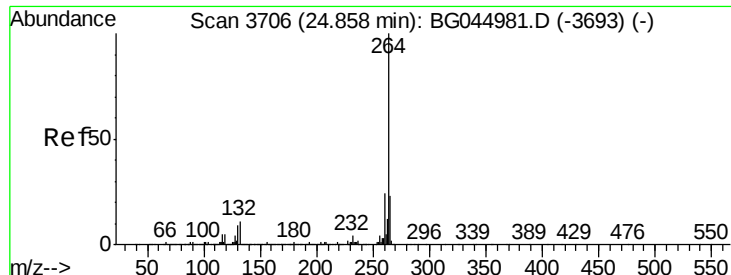


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.82 min Scan# 3699
Delta R.T. -0.02 min
Lab File: BG045170.D
Acq: 24 Apr 2020 21:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	19.8	19.0	28.4

