

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045068.D
 Acq On : 18 Apr 2020 15:43
 Operator : CG/JU
 Sample : L2283-02
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PA-3

Quant Time: Apr 20 00:17:33 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	59216	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	263752	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	200967	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	497719	20.00	ng	0.00
76) Chrysene-d12	21.66	240	485078	20.00	ng	0.00
87) Perylene-d12	24.85	264	533292	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	406061	113.21	ng	0.00
7) Phenol-d6	7.18	99	625082	117.30	ng	0.00
23) Nitrobenzene-d5	9.18	82	433702	75.03	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	401417	129.29	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1070166	78.08	ng	0.00
79) Terphenyl-d14	20.01	244	1894601	85.13	ng	0.00

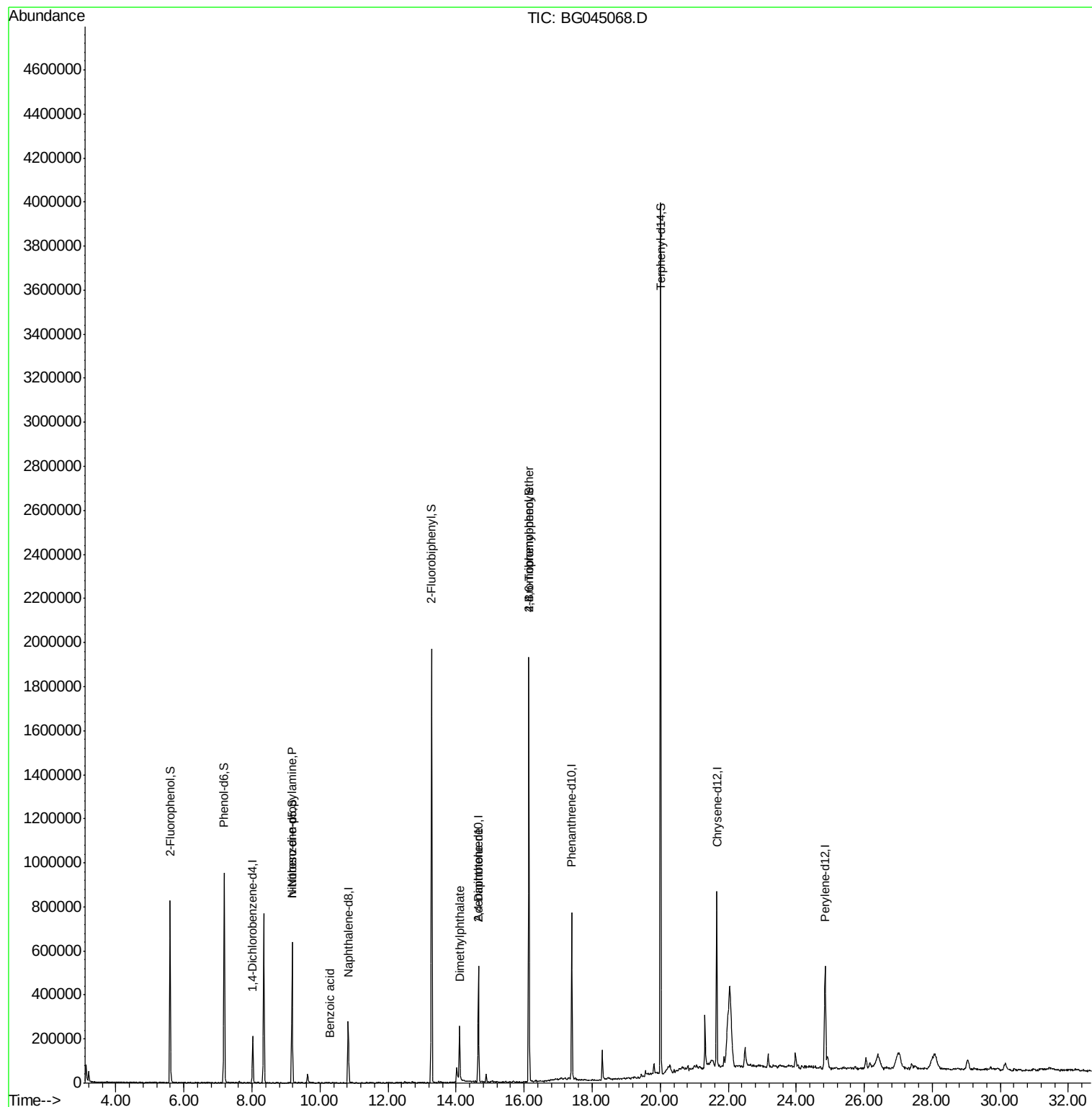
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	1399	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	59209	15.711	ng	# 78
32) Benzoic acid	10.30	122	62	6.390	ng	# 36
50) Dimethylphthalate	14.10	163	157050	9.598	ng	# 97
57) 2,4-Dinitrotoluene	14.65	165	27229	5.091	ng	# 22
67) 4-Bromophenyl-phenylether	16.14	248	26166	4.075	ng	# 1
69) Atrazine	16.95	200	80	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1150	Below Cal	#	76
75) Fluoranthene	19.45	202	5201	Below Cal	#	90
77) Benzidine	20.01	184	35789	Below Cal	#	89

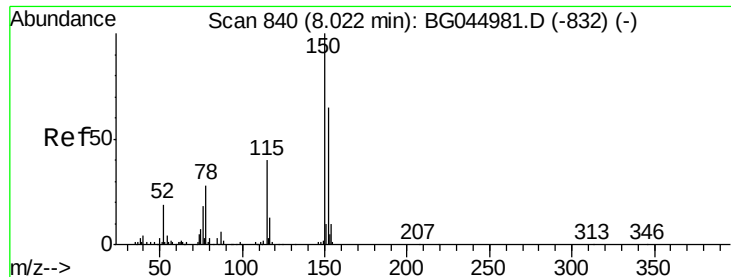
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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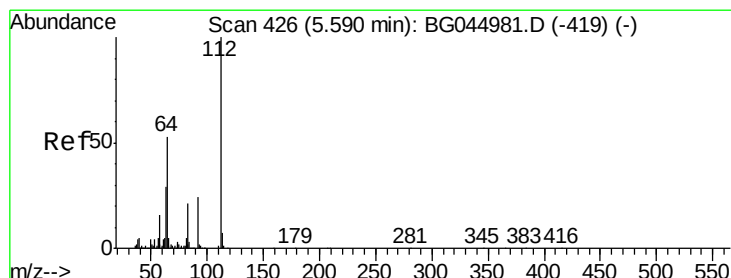
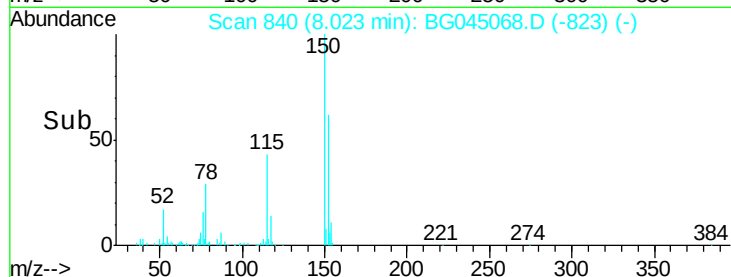
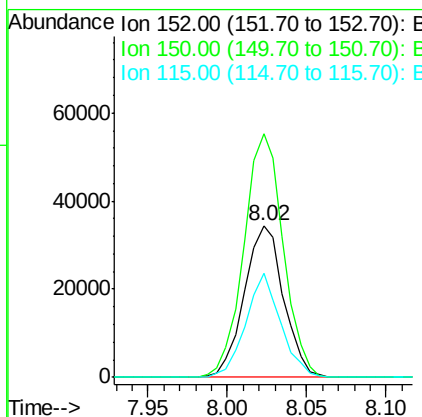
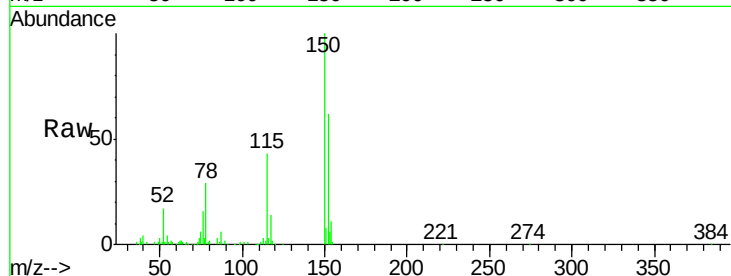


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045068.D
Acq: 18 Apr 2020 15:43

Instrument :
BNA_G
ClientSampleId :
PA-3

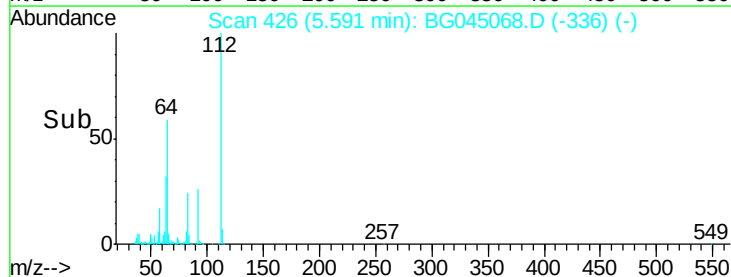
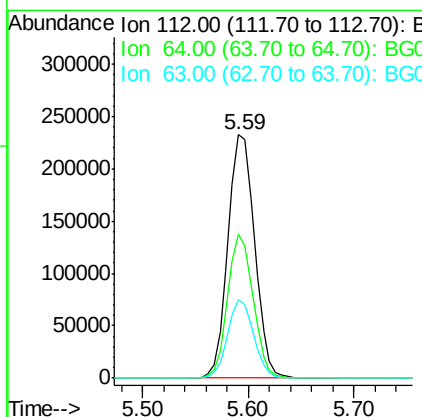
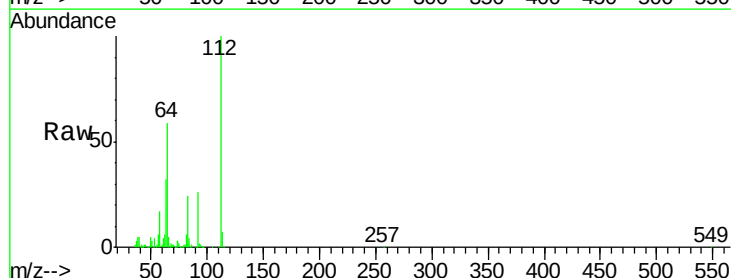
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	123.6	185.4
115	68.4	49.1	73.7

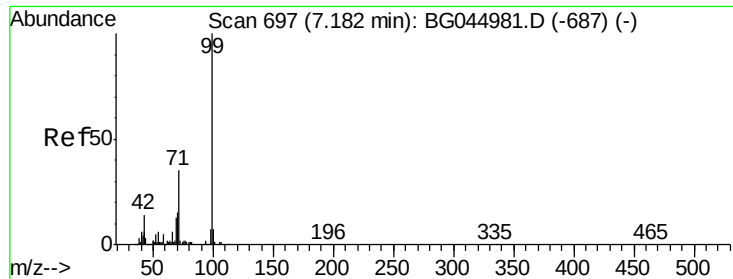


#5

2-Fluorophenol
Concen: 113.210 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045068.D
Acq: 18 Apr 2020 15:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	42.4	63.6
63	32.4	23.1	34.7





#7

Phenol-d6

Concen: 117.297 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045068.D

Acq: 18 Apr 2020 15:43

Instrument :

BNA_G

ClientSampleId :

PA-3

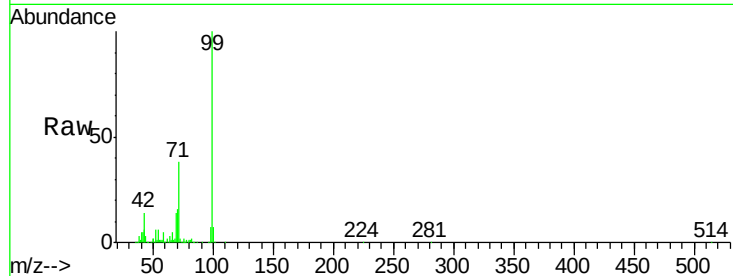
Tot Ion: 99 Resp: 625082

Ion Ratio Lower Upper

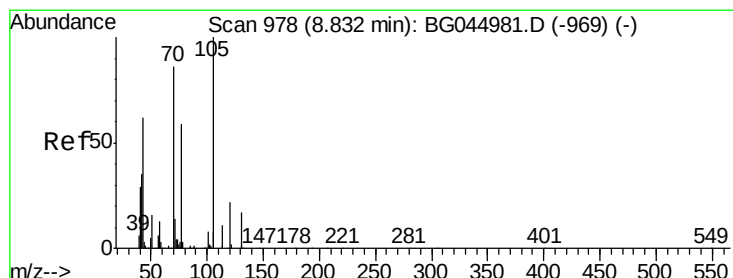
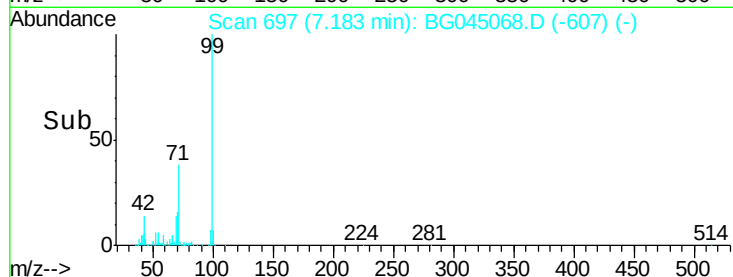
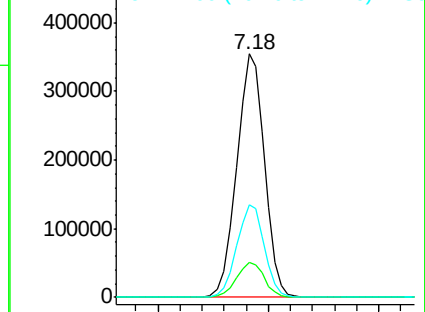
99 100

42 14.4 11.3 16.9

71 38.1 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: 15.711 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045068.D

Acq: 18 Apr 2020 15:43

Tgt Ion: 70 Resp: 59209

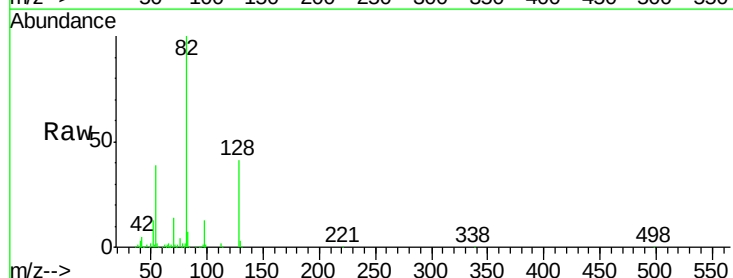
Ion Ratio Lower Upper

70 100

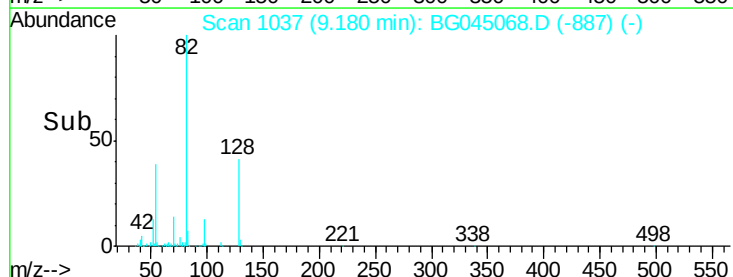
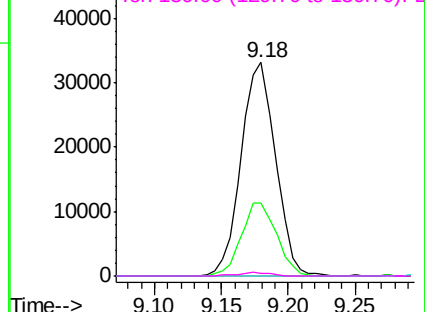
42 34.5 33.3 49.9

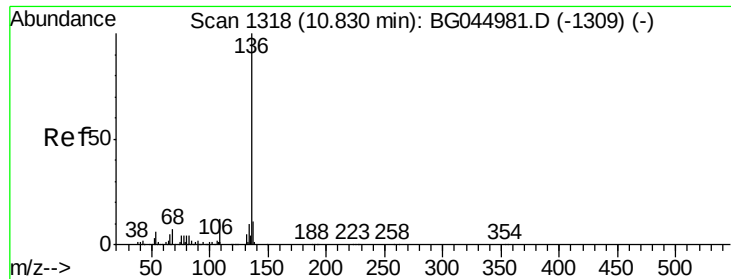
101 0.0 7.8 11.8#

130 1.1 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

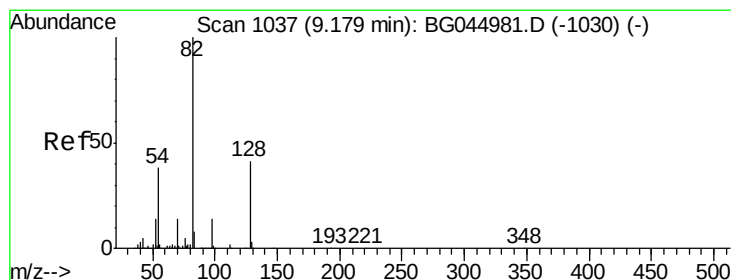
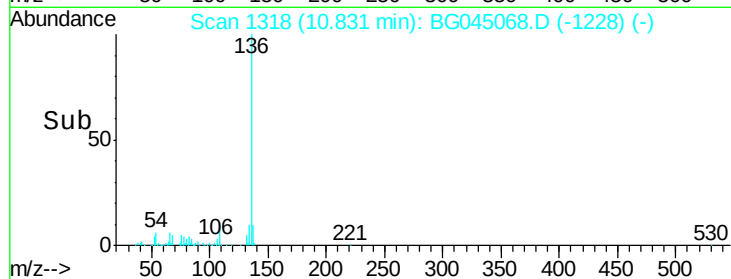
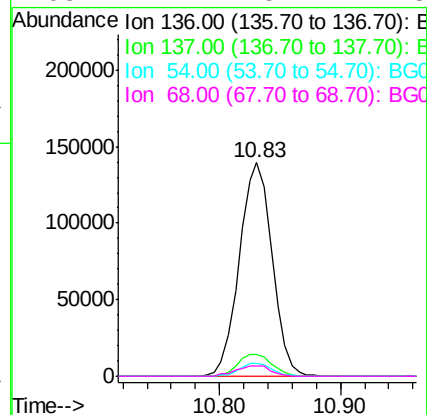
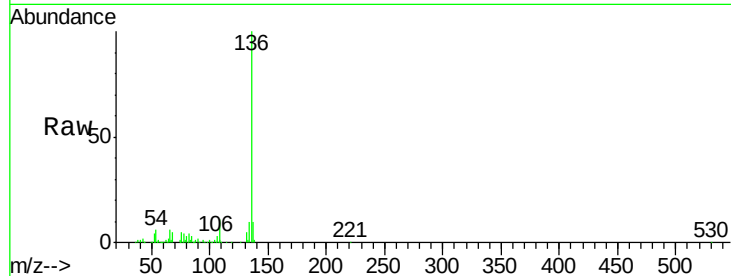




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045068.D
Acq: 18 Apr 2020 15:43

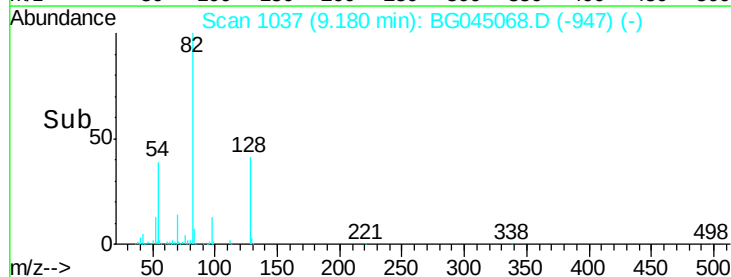
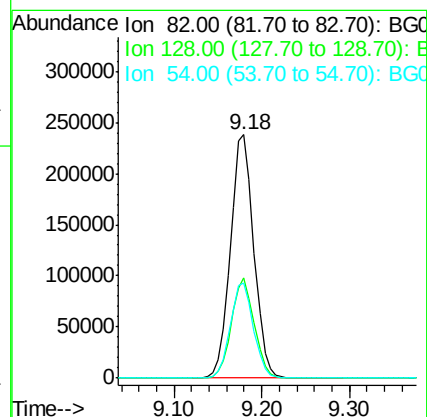
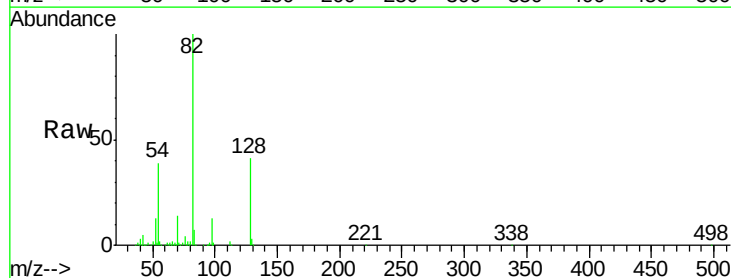
Instrument :
BNA_G
ClientSampleId :
PA-3

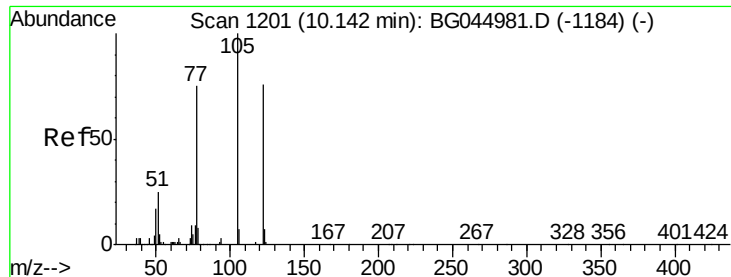
Tot Ion:136	Resp:	263752
Ion Ratio	Lower	Upper
136 100		
137 9.9	8.6	13.0
54 5.8	4.8	7.2
68 4.7	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 75.030 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045068.D
Acq: 18 Apr 2020 15:43

Tgt Ion: 82	Resp: 433702
Ion Ratio	Lower Upper
82 100	
128 41.1	33.0 49.4
54 39.1	30.4 45.6





#32

Benzoic acid

Concen: 6.390 ng

RT: 10.30 min Scan# 1227

Delta R.T. 0.14 min

Lab File: BG045068.D

Acq: 18 Apr 2020 15:43

Instrument :

BNA_G

ClientSampleId :

PA-3

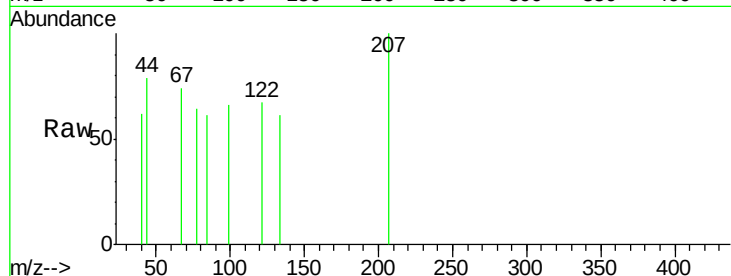
Tot Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

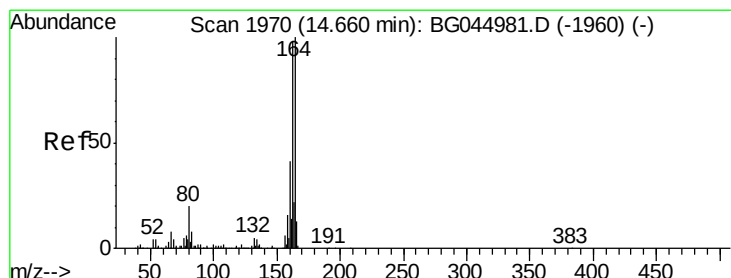
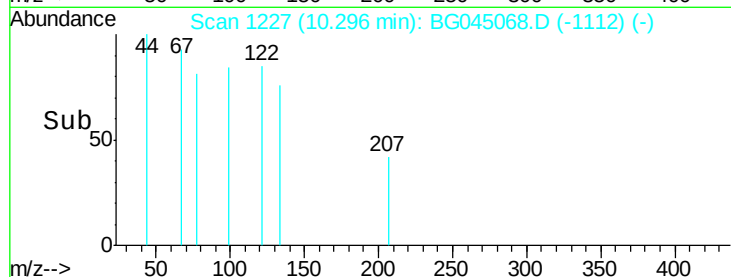
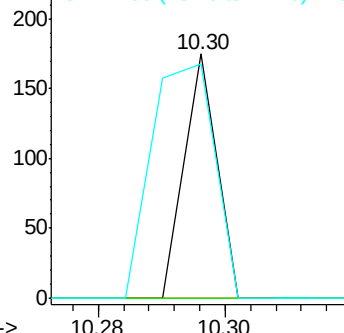
77 96.0 78.8 118.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045068.D

Acq: 18 Apr 2020 15:43

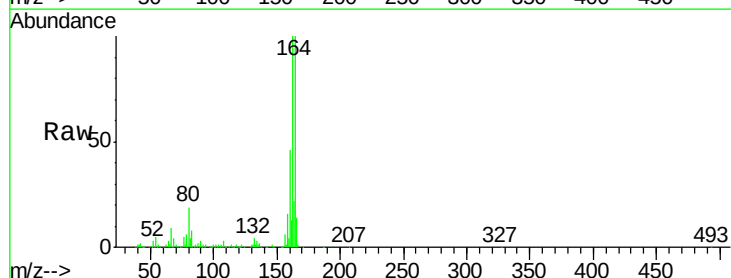
Tgt Ion:164 Resp: 200967

Ion Ratio Lower Upper

164 100

162 100.5 78.7 118.1

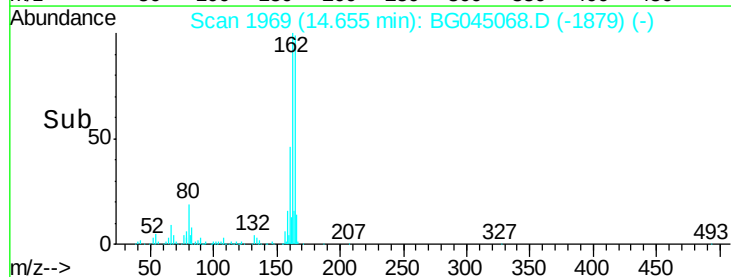
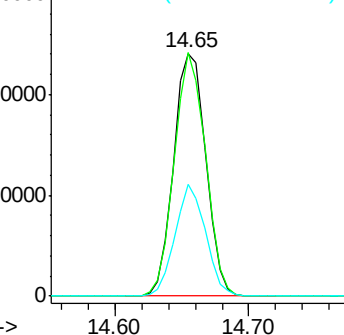
160 45.9 32.8 49.2

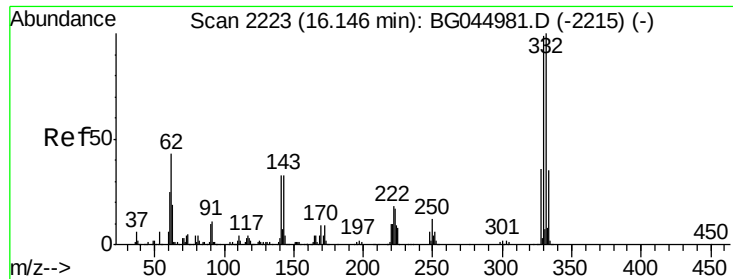


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

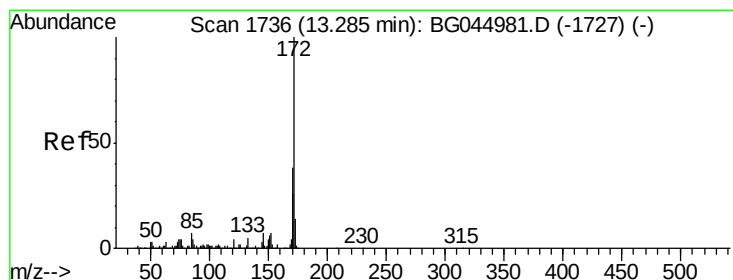
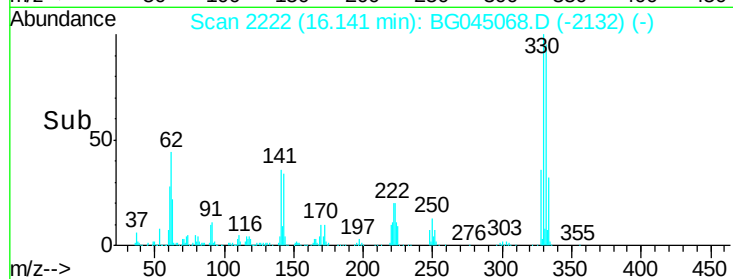
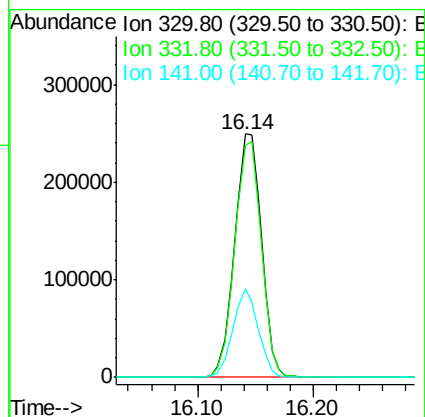
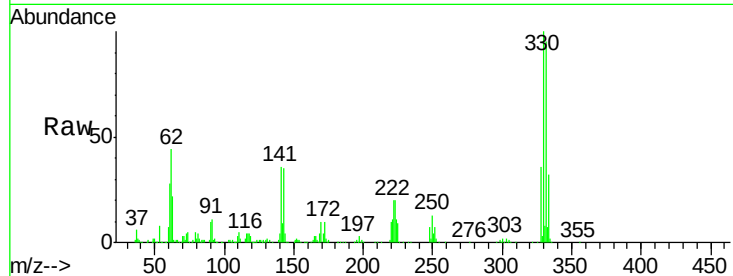




#42
 2,4,6-Tribromophenol
 Concen: 129.294 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045068.D
 Acq: 18 Apr 2020 15:43

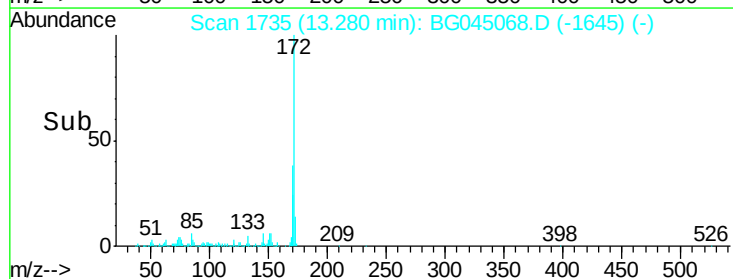
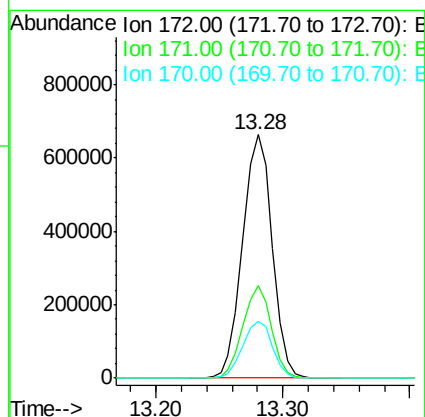
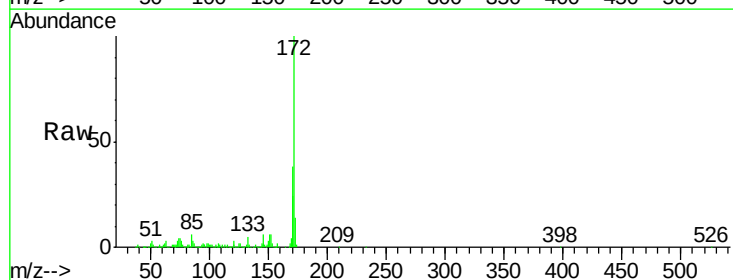
Instrument :
 BNA_G
 ClientSampleId :
 PA-3

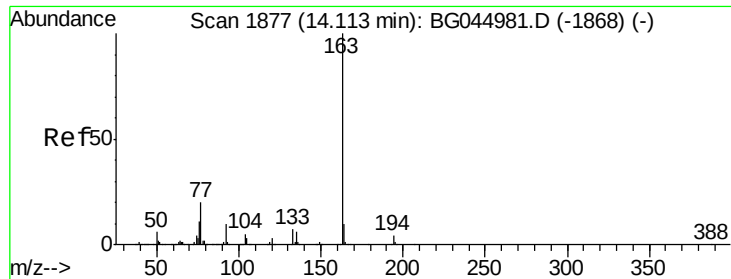
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.1	118.7
141	34.2	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 78.083 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045068.D
 Acq: 18 Apr 2020 15:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.6	46.0
170	23.5	20.5	30.7





#50

Dimethylphthalate

Concen: 9.598 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045068.D

Acq: 18 Apr 2020 15:43

Instrument :

BNA_G

ClientSampleId :

PA-3

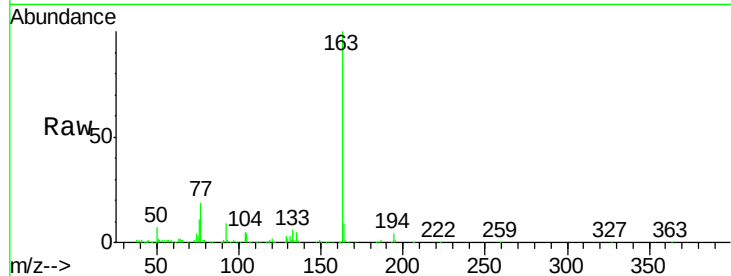
Tot Ion:163 Resp: 157050

Ion Ratio Lower Upper

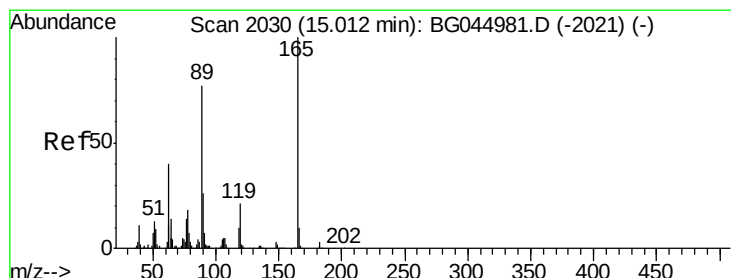
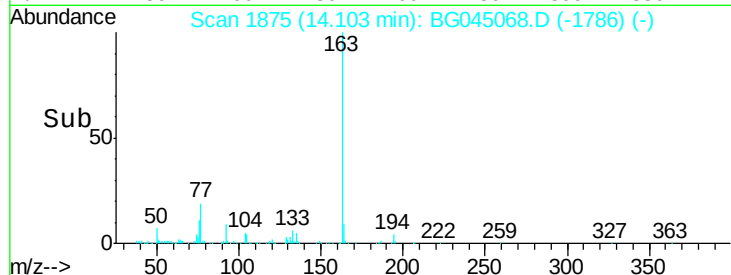
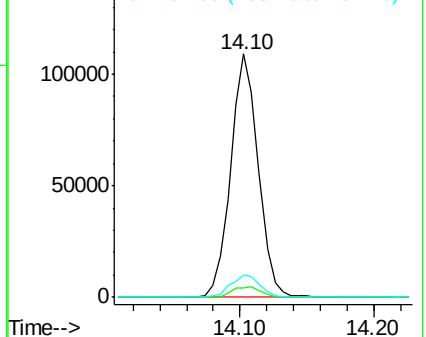
163 100

194 3.8 3.5 5.3

164 9.0 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: 5.091 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.35 min

Lab File: BG045068.D

Acq: 18 Apr 2020 15:43

Tgt Ion:165 Resp: 27229

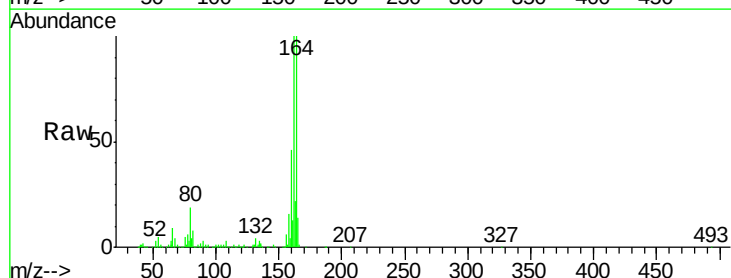
Ion Ratio Lower Upper

165 100

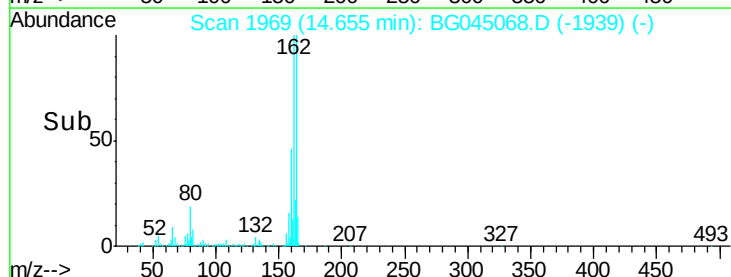
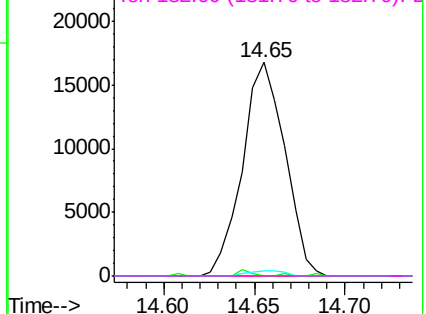
63 0.0 32.2 48.2#

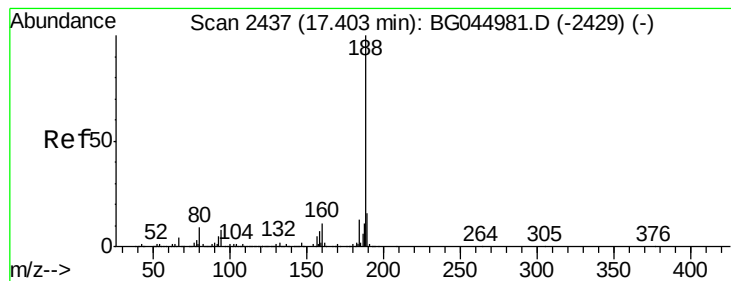
89 2.1 61.7 92.5#

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: BG045068.D

Acq: 18 Apr 2020 15:43

Instrument :

BNA_G

ClientSampleId :

PA-3

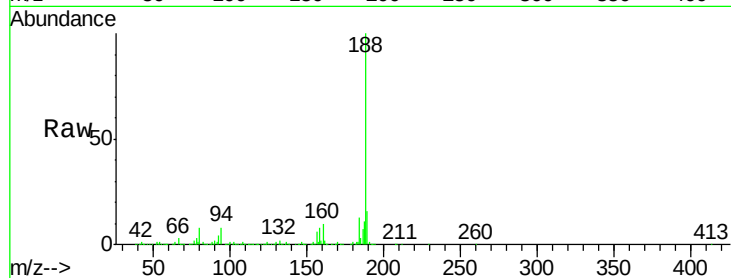
Tot Ion:188 Resp: 497719

Ion Ratio Lower Upper

188 100

94 8.1 6.2 9.4

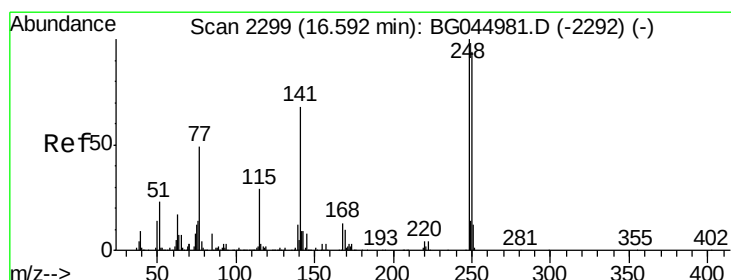
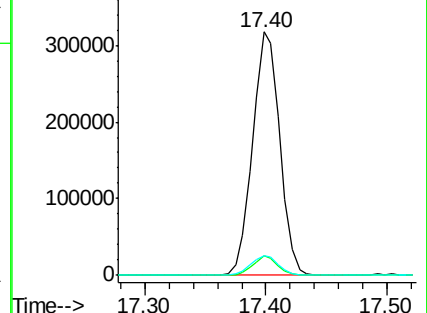
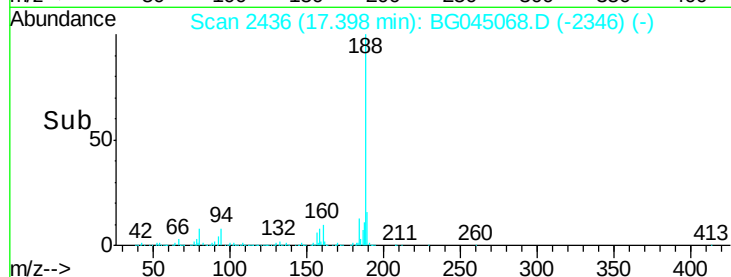
80 8.1 7.0 10.6



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: 4.075 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045068.D

Acq: 18 Apr 2020 15:43

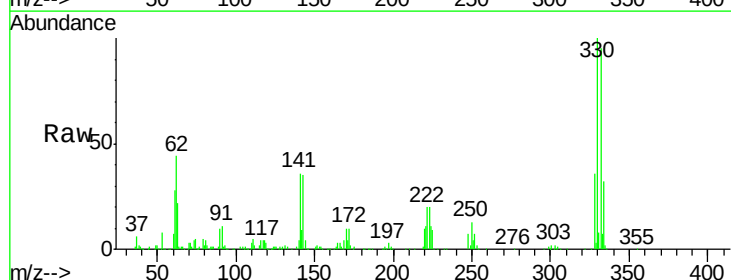
Tgt Ion:248 Resp: 26166

Ion Ratio Lower Upper

248 100

250 193.8 75.4 113.2#

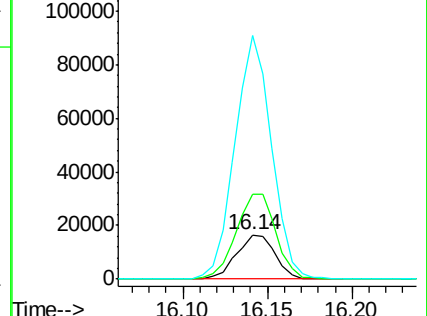
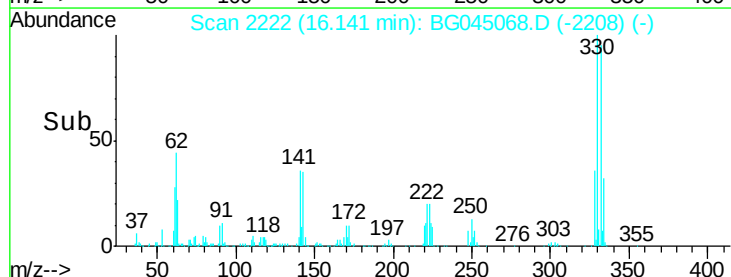
141 553.9 54.4 81.6#

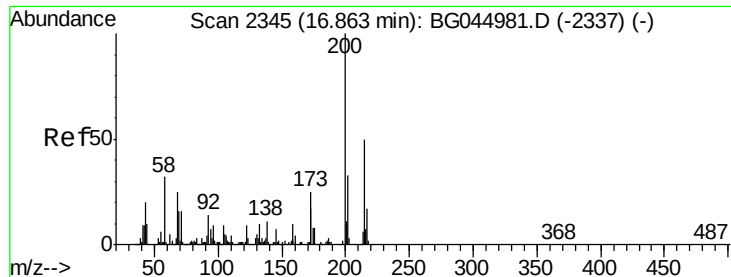


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.95 min Scan# 2359

Delta R.T. 0.09 min

Lab File: BG045068.D

Acq: 18 Apr 2020 15:43

Instrument :

BNA_G

ClientSampleId :

PA-3

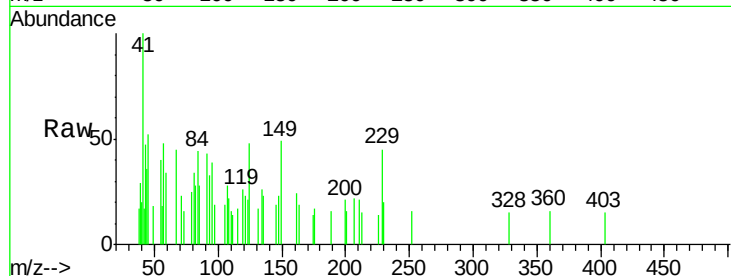
Tot Ion:200 Resp: 80

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

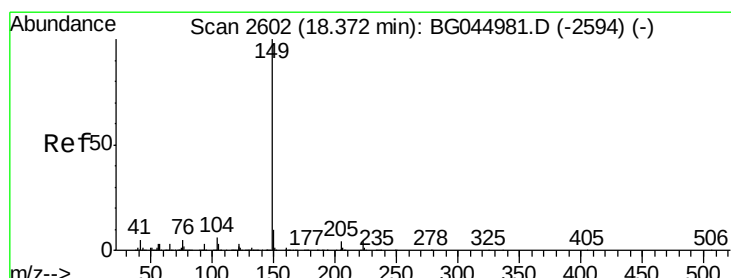
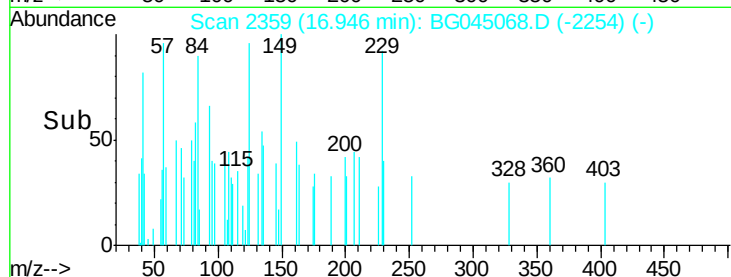
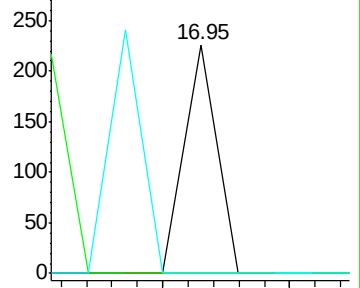
215 0.0 30.0 70.0#



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: BG045068.D

Acq: 18 Apr 2020 15:43

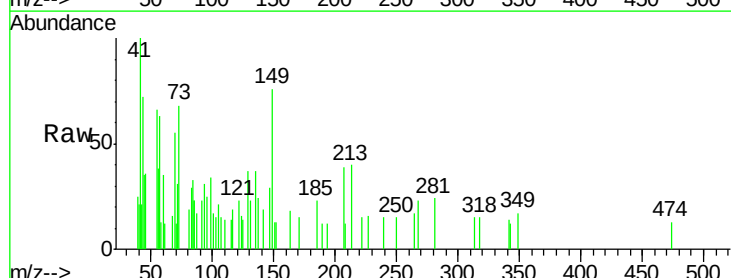
Tgt Ion:149 Resp: 1150

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

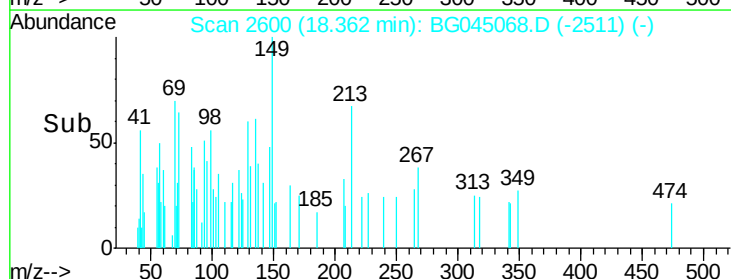
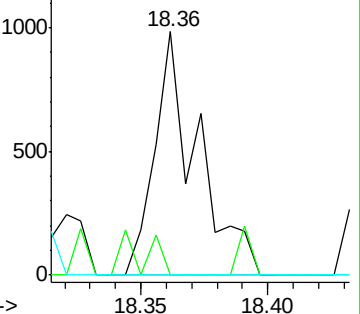
104 0.0 4.8 7.2#

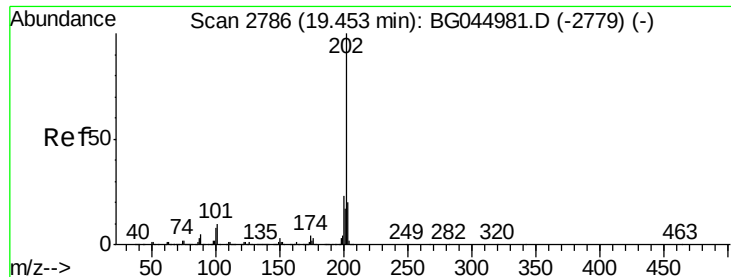


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

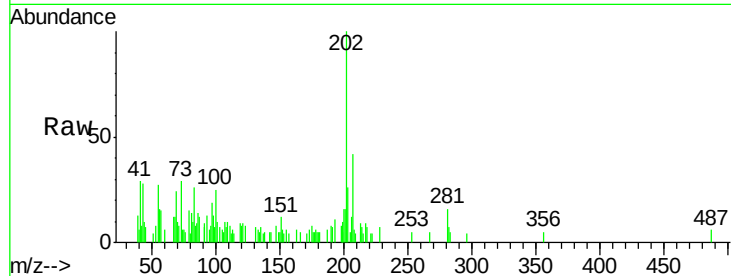




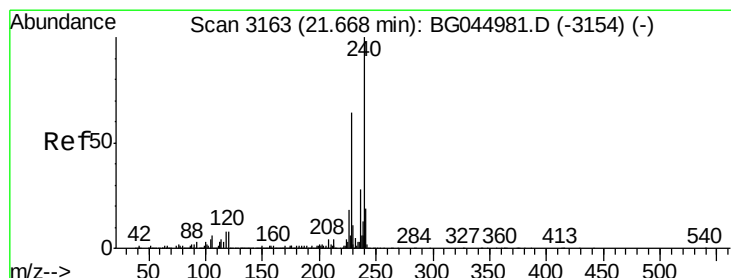
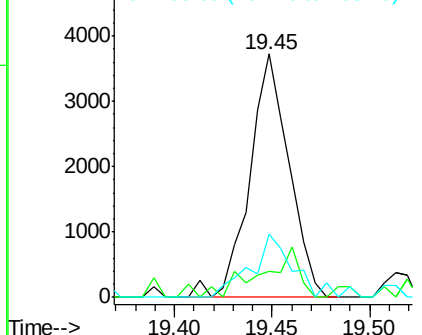
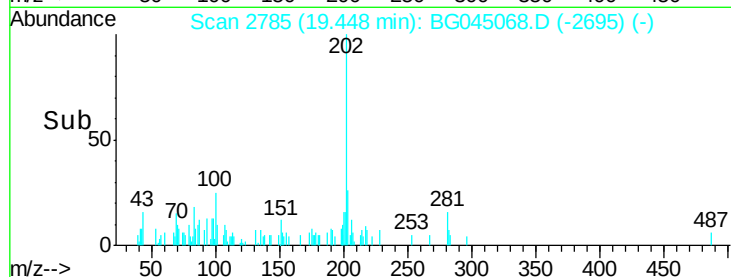
#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.45 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: BG045068.D
 Acq: 18 Apr 2020 15:43

Instrument :
 BNA_G
 ClientSampleId :
 PA-3

Tot Ion:	202	Resp:	5201
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	29.6
203	26.1	0.0	39.7

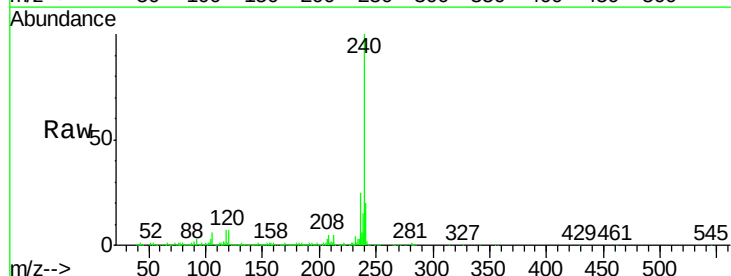


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

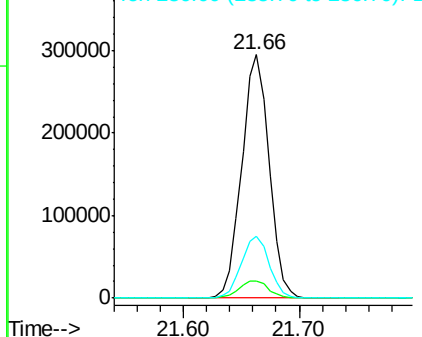
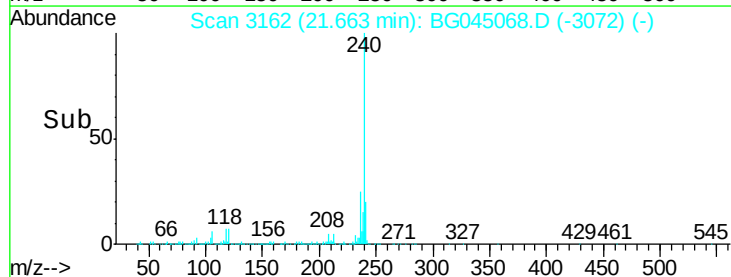


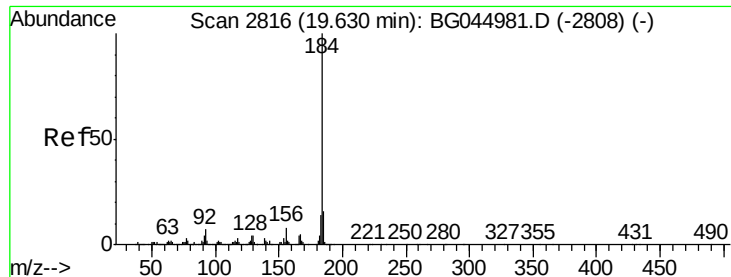
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3162
 Delta R.T. -0.00 min
 Lab File: BG045068.D
 Acq: 18 Apr 2020 15:43

Tgt Ion:	240	Resp:	485078
Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.6	10.0
236	25.2	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: BG045068.D

Acq: 18 Apr 2020 15:43

Instrument :

BNA_G

ClientSampleId :

PA-3

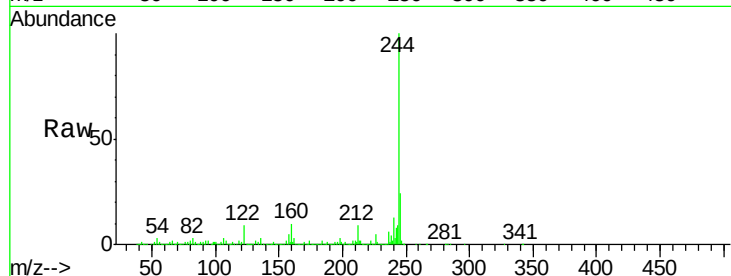
Tot Ion:184 Resp: 35789

Ion Ratio Lower Upper

184 100

185 18.3 12.6 19.0

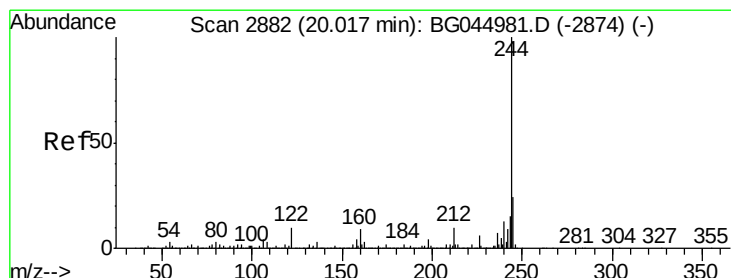
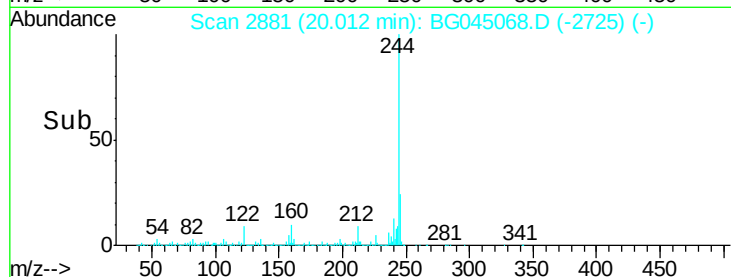
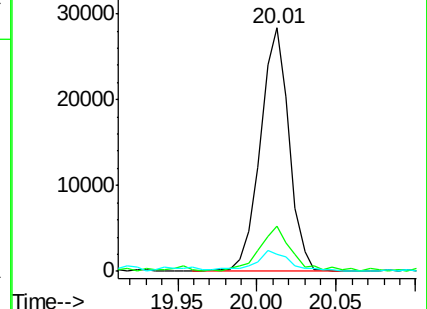
183 7.0 11.3 16.9#



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: 85.129 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045068.D

Acq: 18 Apr 2020 15:43

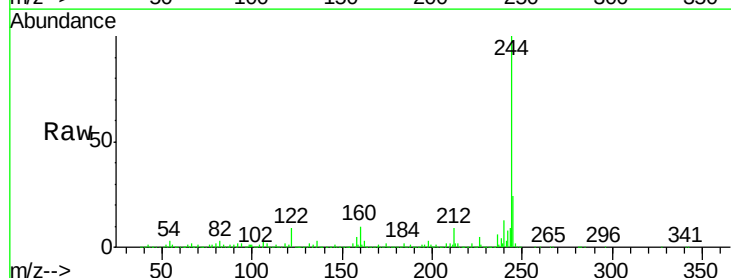
Tgt Ion:244 Resp: 1894601

Ion Ratio Lower Upper

244 100

212 9.4 7.9 11.9

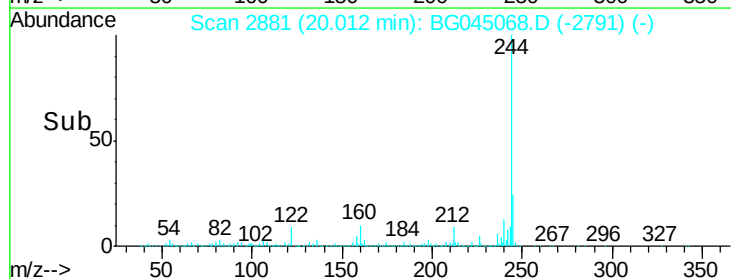
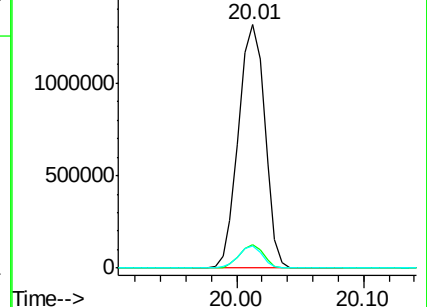
122 9.2 7.7 11.5

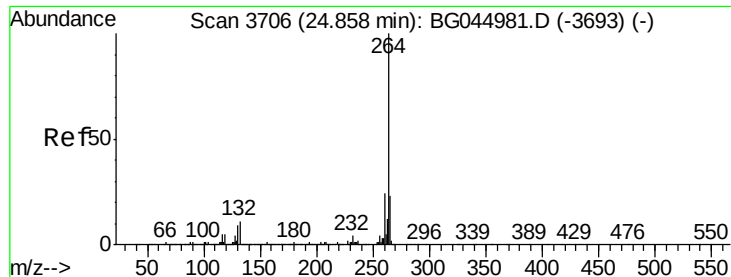


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG045068.D
Acq: 18 Apr 2020 15:43

Instrument :
BNA_G
ClientSampleId :
PA-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.2	19.0	28.4

