

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045066.D
 Acq On : 18 Apr 2020 14:24
 Operator : CG/JU
 Sample : L2271-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-2

Quant Time: Apr 20 00:16:47 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	52930	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	234735	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	181292	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	451656	20.00	ng	0.00
76) Chrysene-d12	21.66	240	433461	20.00	ng	0.00
87) Perylene-d12	24.85	264	468004	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	165168	51.52	ng	0.00
7) Phenol-d6	7.18	99	290797	61.05	ng	0.00
23) Nitrobenzene-d5	9.17	82	202511	39.36	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	218915	78.16	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	496400	40.15	ng	0.00
79) Terphenyl-d14	20.01	244	1204787	60.58	ng	0.00

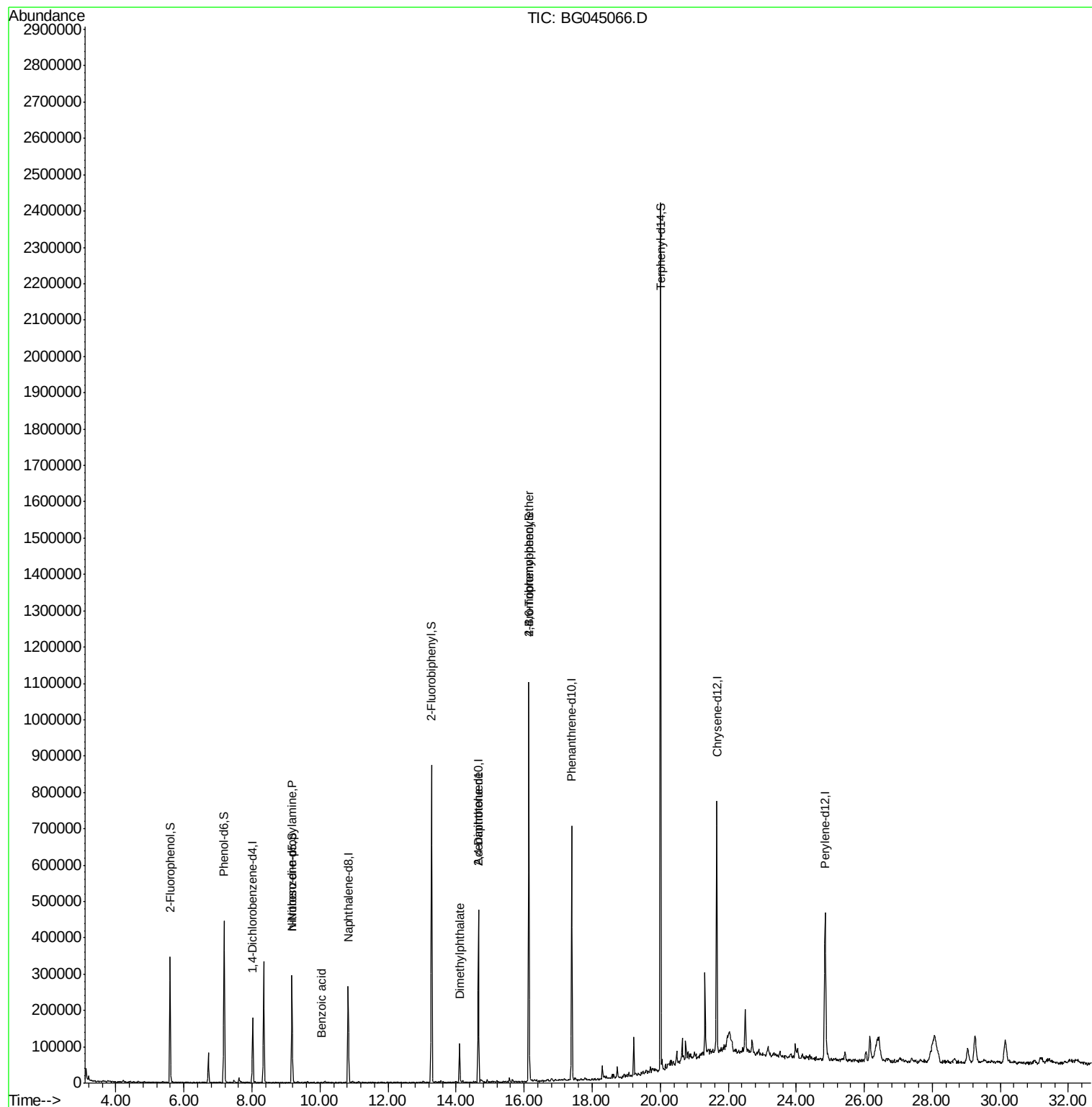
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	581	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.17	70	28059	8.329 ng	#	74
32) Benzoic acid	10.04	122	73	6.396 ng	#	1
50) Dimethylphthalate	14.10	163	70836	4.799 ng	#	96
57) 2,4-Dinitrotoluene	14.66	165	23132	4.794 ng	#	23
67) 4-Bromophenyl-phenylether	16.14	248	15321	2.629 ng	#	1
69) Atrazine	17.15	200	66	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1169	Below Cal	#	76
75) Fluoranthene	19.45	202	1831	Below Cal	#	76
77) Benzidine	20.01	184	21468	Below Cal	#	93

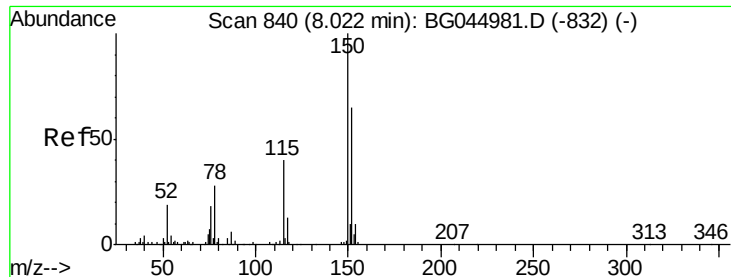
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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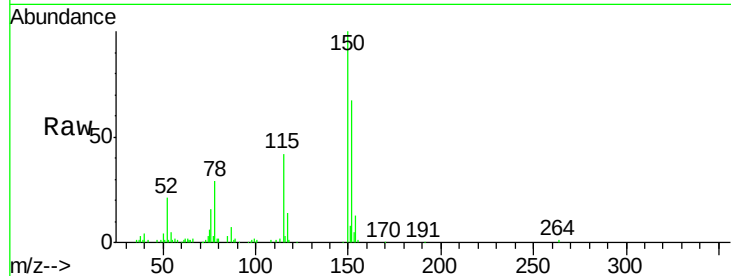


#1

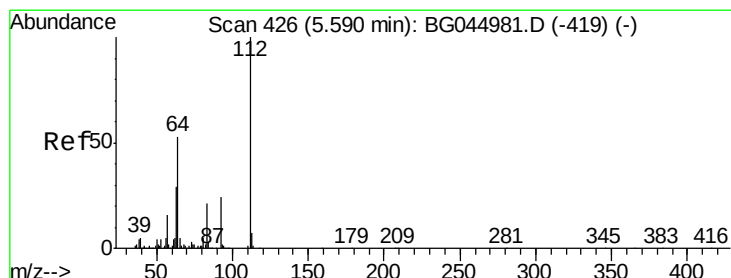
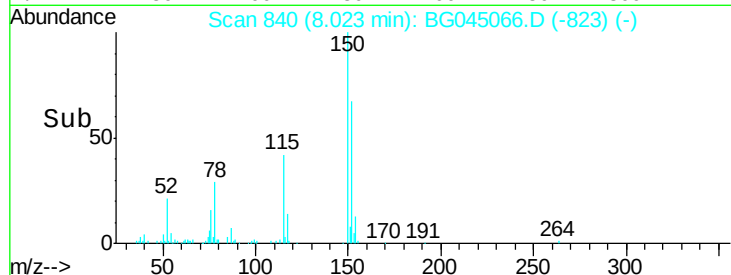
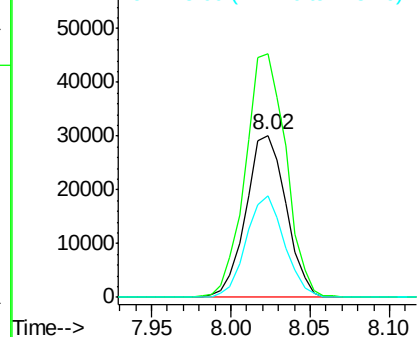
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG045066.D
Acq: 18 Apr 2020 14:24

Instrument :
BNA_G
ClientSampleId :
BG-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	123.6	185.4
115	63.0	49.1	73.7



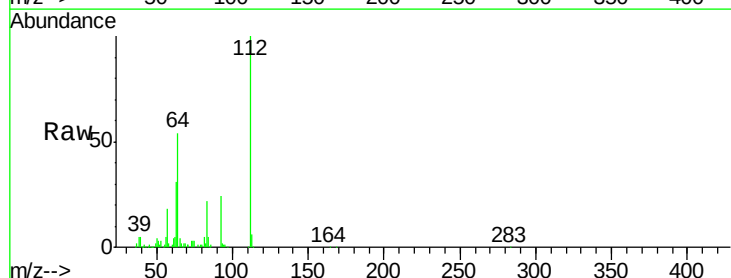
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



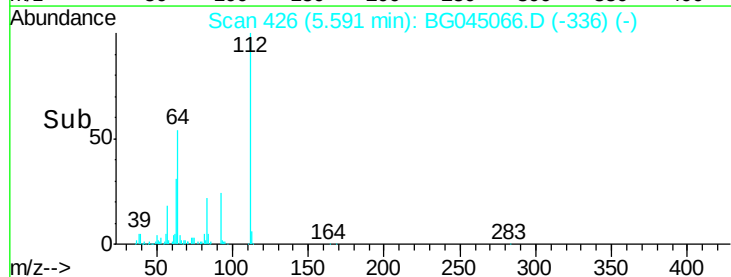
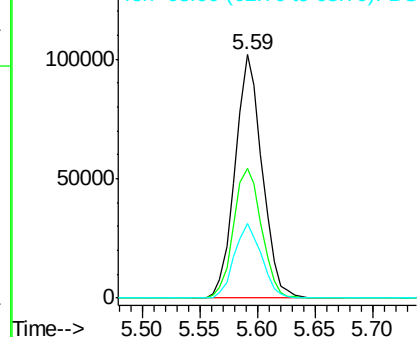
#5

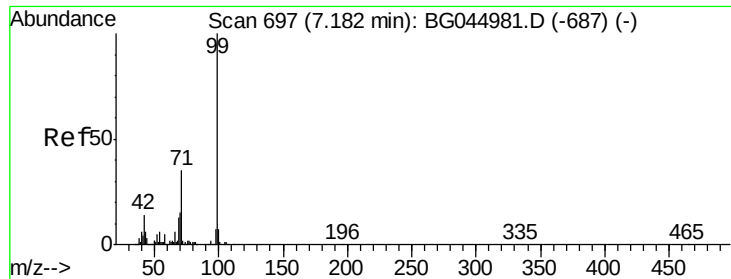
2-Fluorophenol
Concen: 51.518 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045066.D
Acq: 18 Apr 2020 14:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.4	63.6
63	30.8	23.1	34.7



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





#7

Phenol-d6

Concen: 61.049 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

Instrument :

BNA_G

ClientSampleId :

BG-2

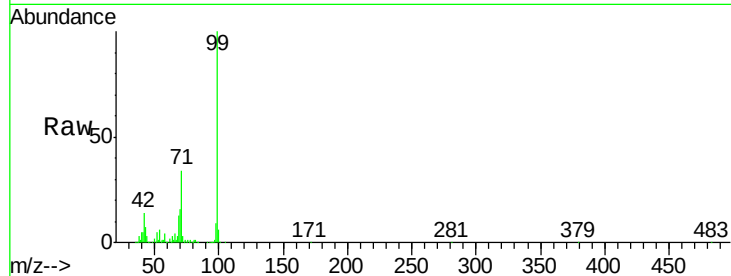
Tot Ion: 99 Resp: 290797

Ion Ratio Lower Upper

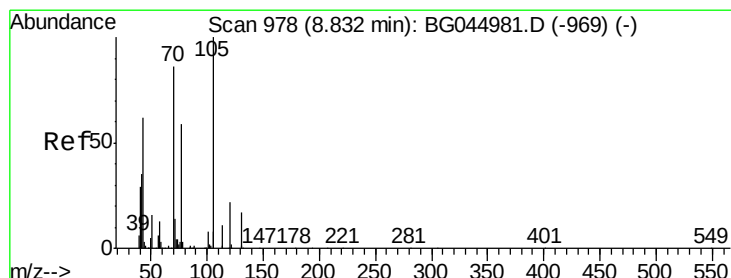
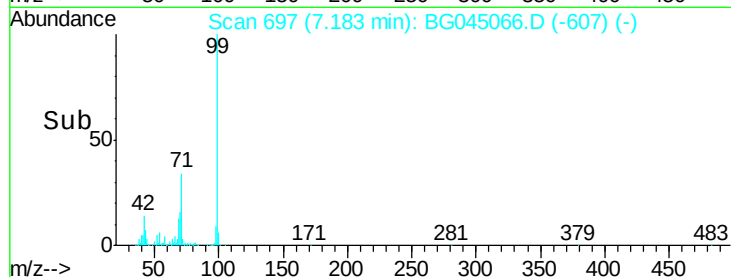
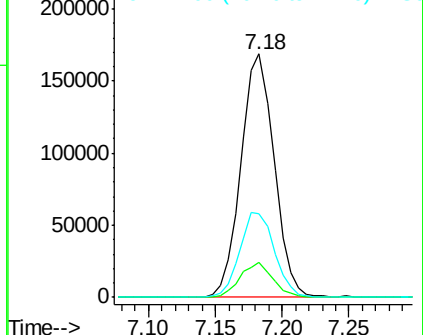
99 100

42 14.4 11.3 16.9

71 34.2 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 8.329 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

Tgt Ion: 70 Resp: 28059

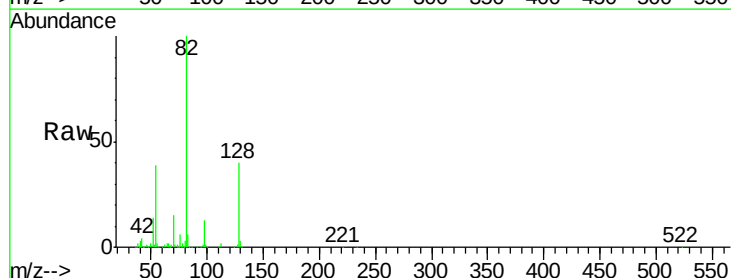
Ion Ratio Lower Upper

70 100

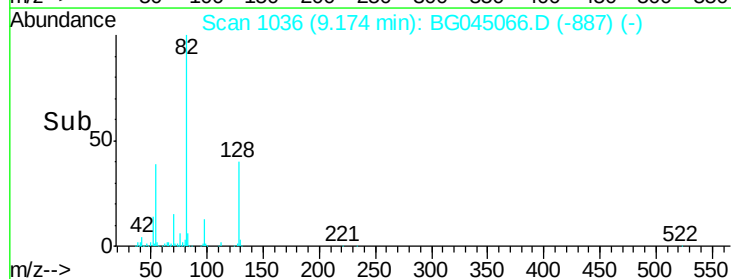
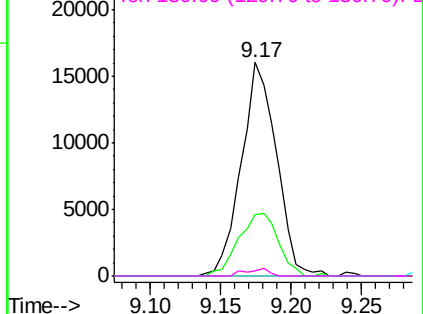
42 29.0 33.3 49.9#

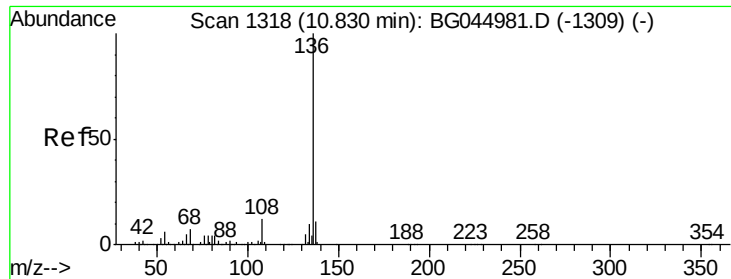
101 0.0 7.8 11.8#

130 2.4 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

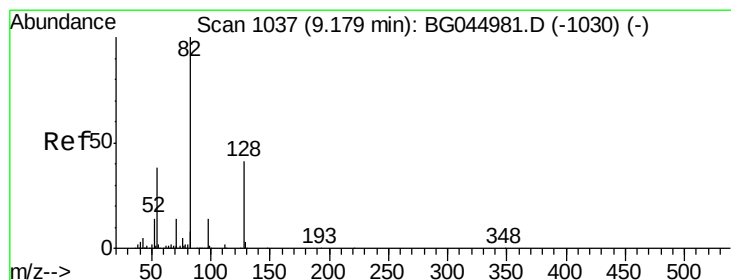
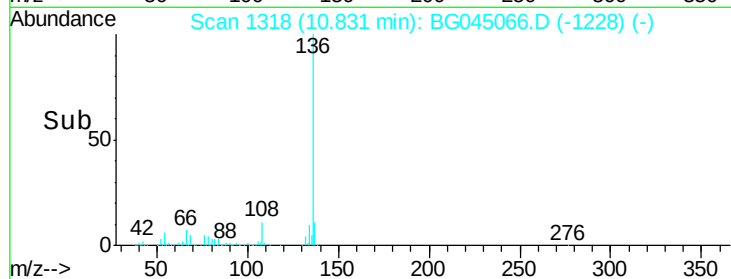
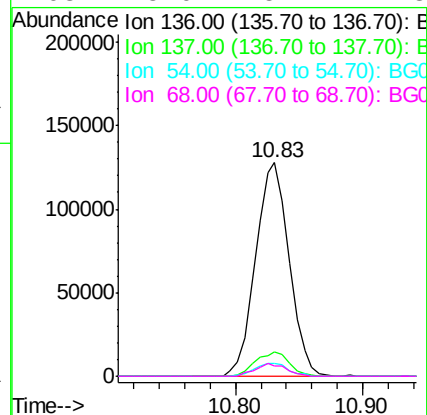
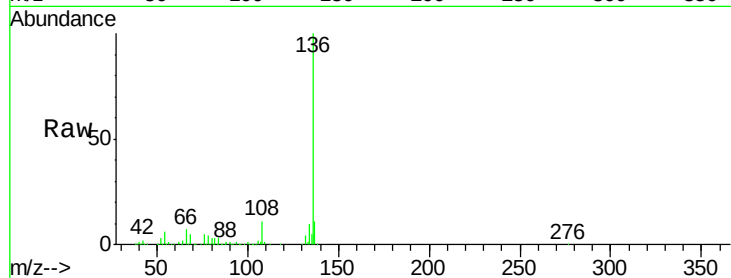




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045066.D
Acq: 18 Apr 2020 14:24

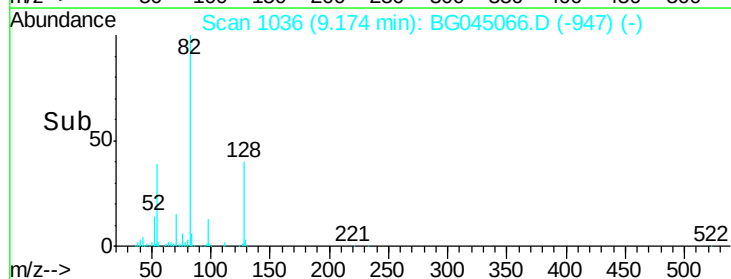
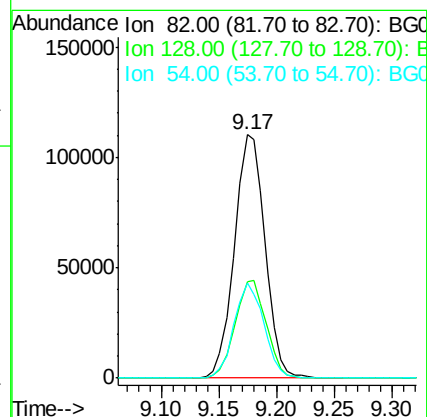
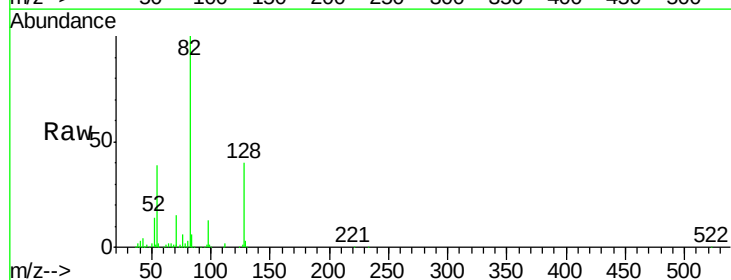
Instrument :
BNA_G
ClientSampleId :
BG-2

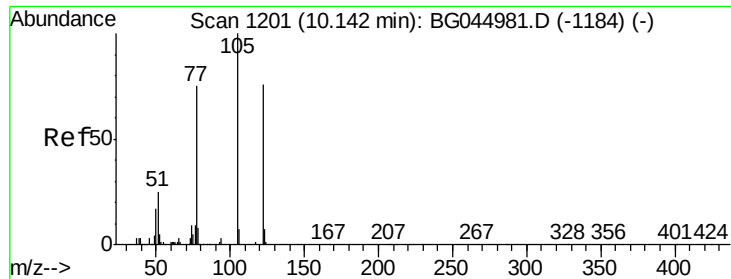
Tot Ion:136	Resp:	234735
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.6 13.0
54	6.1	4.8 7.2
68	5.0	5.2 7.8#



#23
Nitrobenzene-d5
Concen: 39.365 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045066.D
Acq: 18 Apr 2020 14:24

Tgt Ion: 82	Resp:	202511
Ion Ratio	Lower	Upper
82	100	
128	39.8	33.0 49.4
54	39.2	30.4 45.6

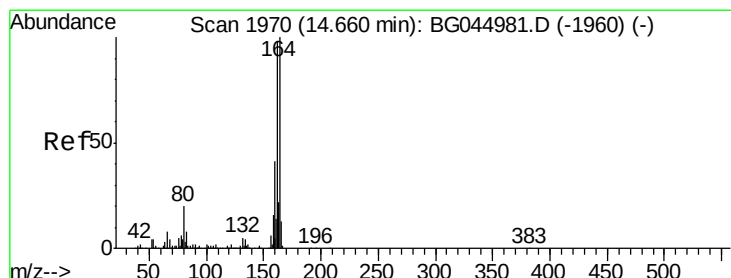
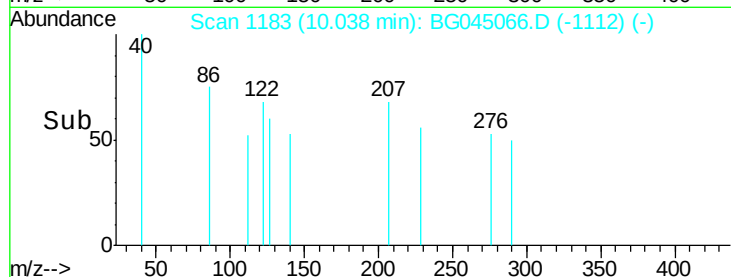
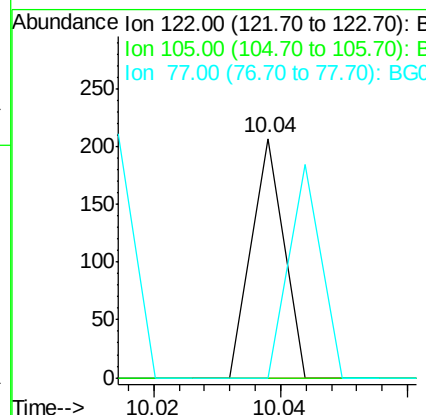
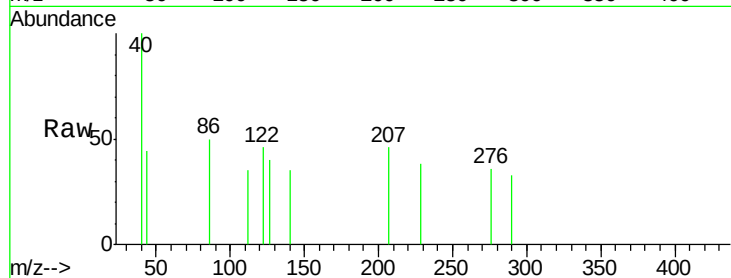




#32
Benzoic acid
Concen: 6.396 ng
RT: 10.04 min Scan# 1183
Delta R.T. -0.11 min
Lab File: BG045066.D
Acq: 18 Apr 2020 14:24

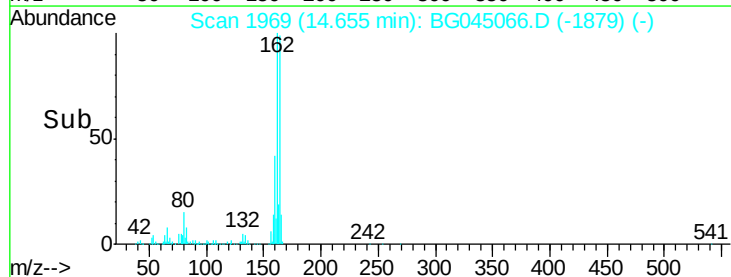
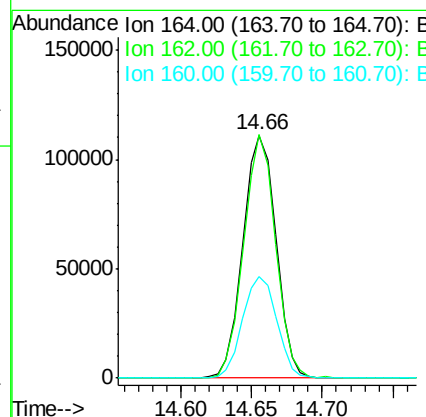
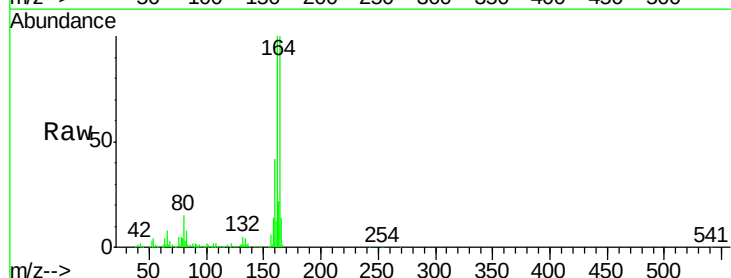
Instrument :
BNA_G
ClientSampleId :
BG-2

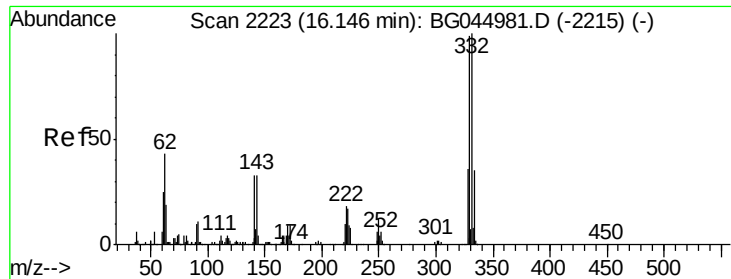
Tot Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045066.D
Acq: 18 Apr 2020 14:24

Tgt Ion:164 Resp: 181292
Ion Ratio Lower Upper
164 100
162 100.4 78.7 118.1
160 41.7 32.8 49.2

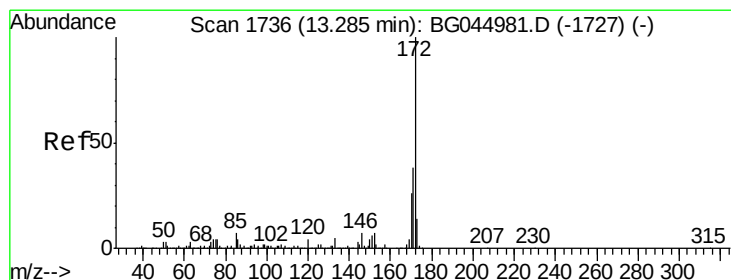
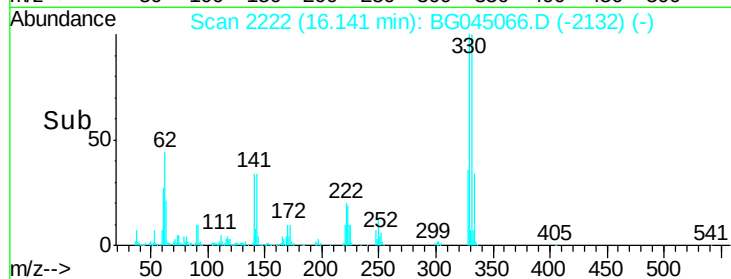
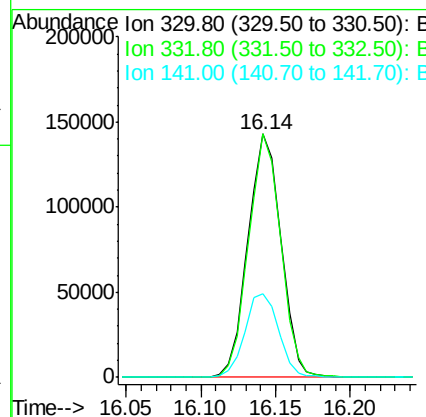
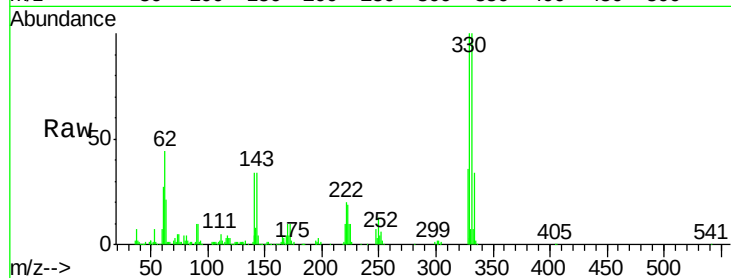




#42
 2,4,6-Tribromophenol
 Concen: 78.164 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045066.D
 Acq: 18 Apr 2020 14:24

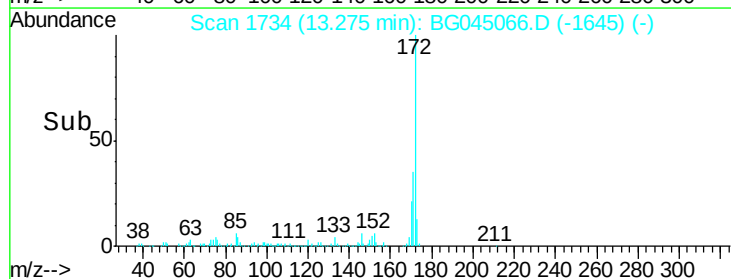
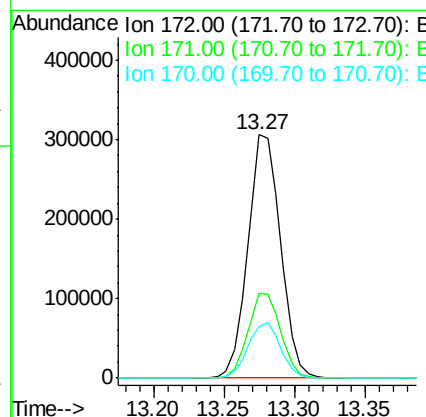
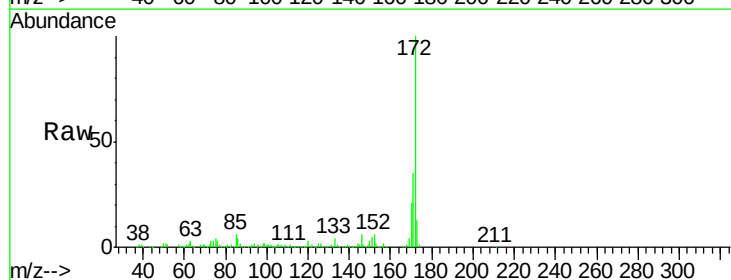
Instrument :
 BNA_G
 ClientSampled :
 BG-2

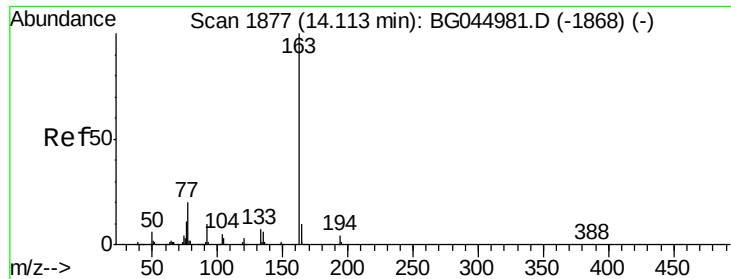
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.1	118.7
141	35.2	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 40.150 ng
 RT: 13.27 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG045066.D
 Acq: 18 Apr 2020 14:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.6	46.0
170	21.0	20.5	30.7





#50

Dimethylphthalate

Concen: 4.799 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

Instrument :

BNA_G

ClientSampleId :

BG-2

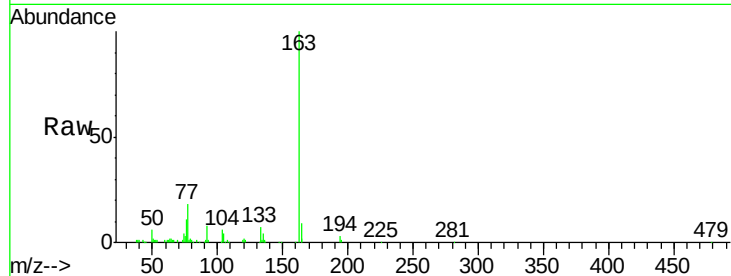
Tot Ion:163 Resp: 70836

Ion Ratio Lower Upper

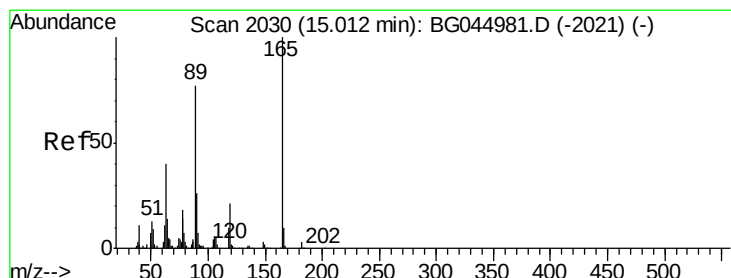
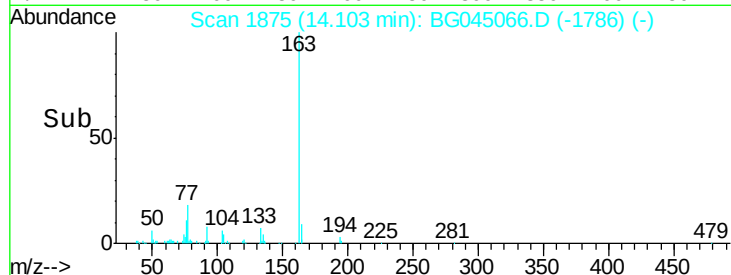
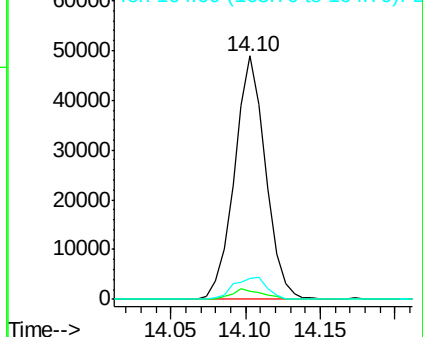
163 100

194 3.5 3.5 5.3#

164 8.5 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: 4.794 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.35 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

Tgt Ion:165 Resp: 23132

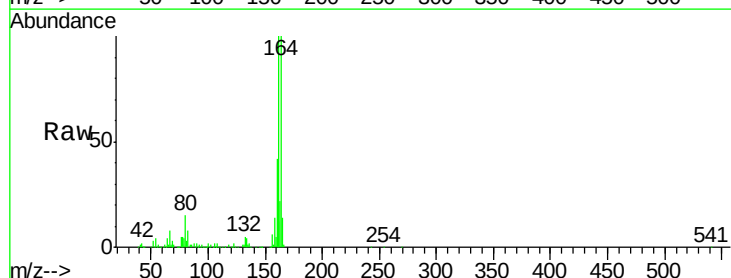
Ion Ratio Lower Upper

165 100

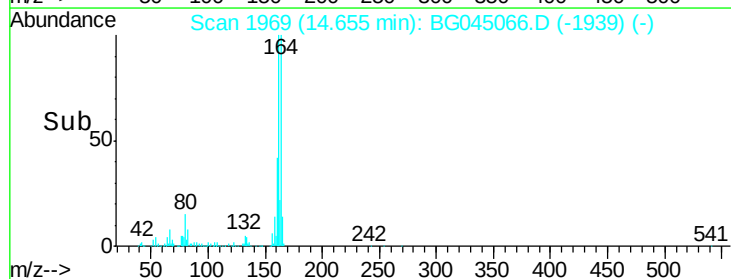
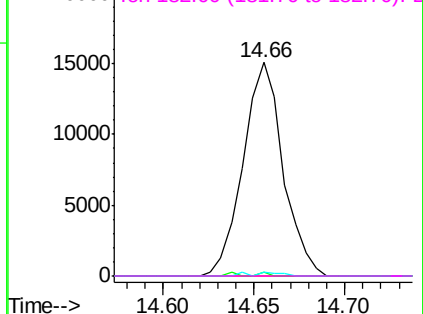
63 1.5 32.2 48.2#

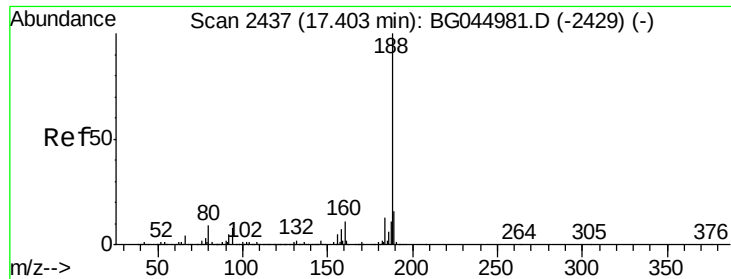
89 1.9 61.7 92.5#

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: BG045066.D

Acq: 18 Apr 2020 14:24

Instrument :

BNA_G

ClientSampleId :

BG-2

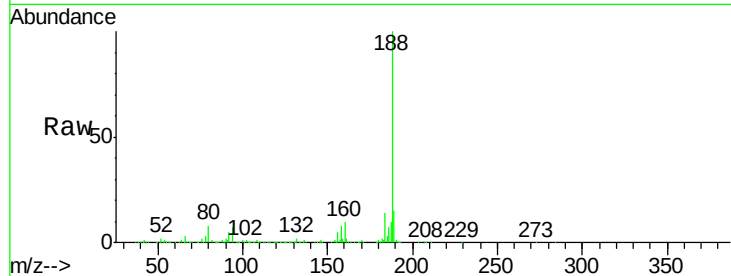
Tot Ion:188 Resp: 451656

Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.4

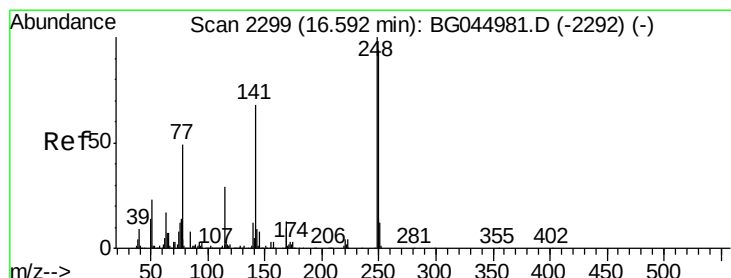
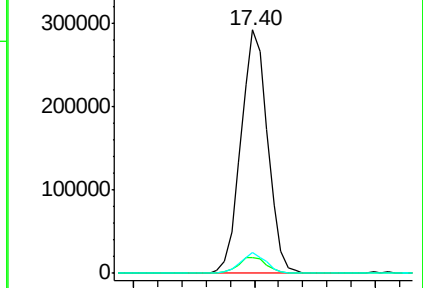
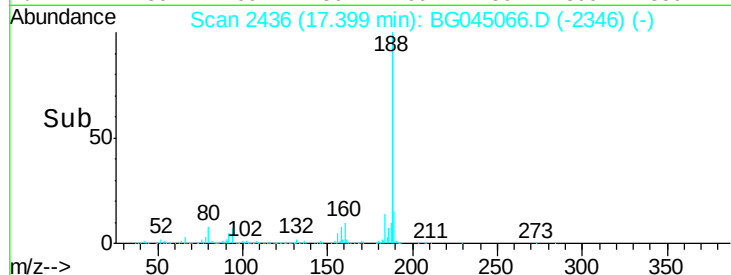
80 8.3 7.0 10.6



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: 2.629 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

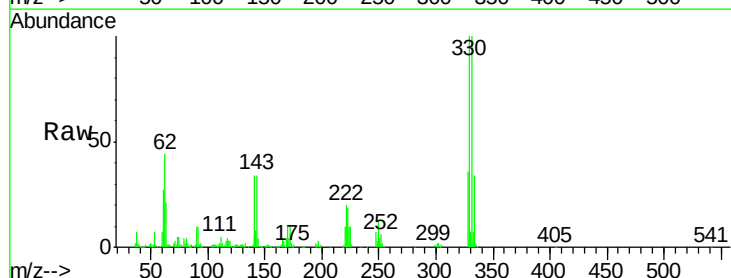
Tgt Ion:248 Resp: 15321

Ion Ratio Lower Upper

248 100

250 197.4 75.4 113.2#

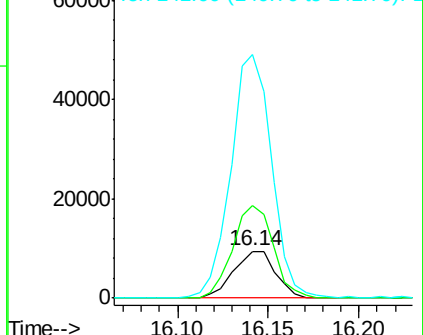
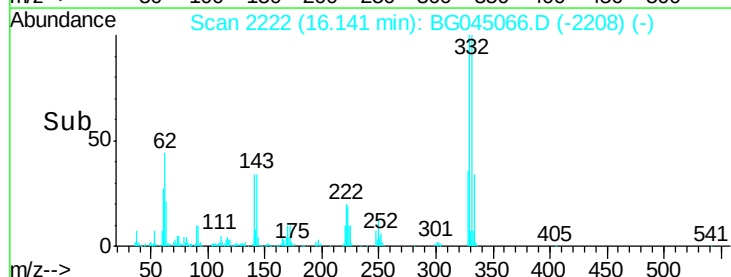
141 517.0 54.4 81.6#

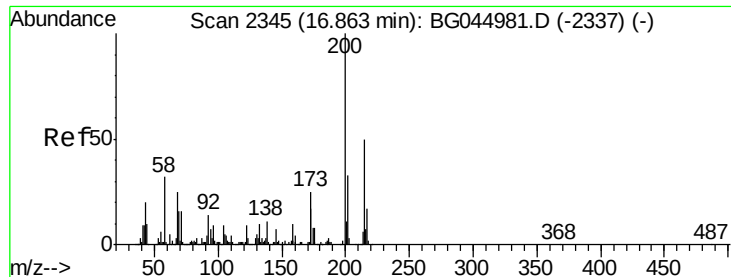


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.15 min Scan# 2393

Delta R.T. 0.29 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

Instrument :

BNA_G

ClientSampleId :

BG-2

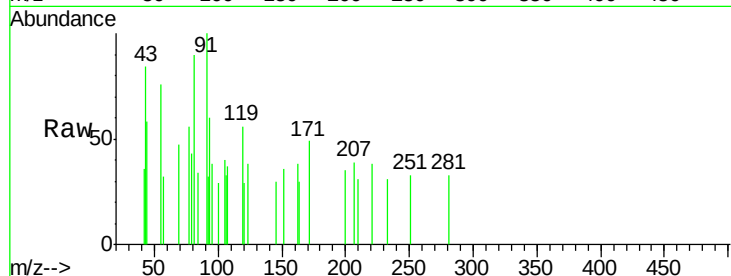
Tot Ion:200 Resp: 66

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

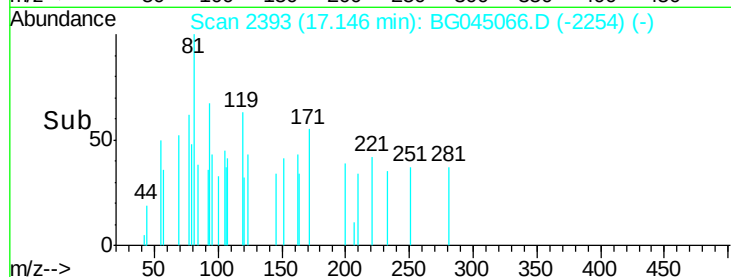
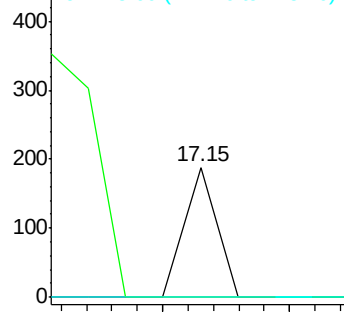
215 0.0 30.0 70.0#



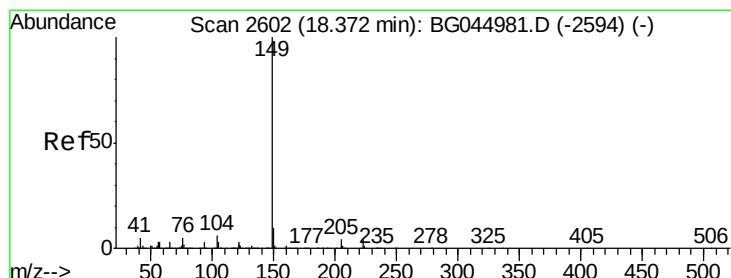
Abundance Ion 200.00 (199.70 to 200.70): E

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: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

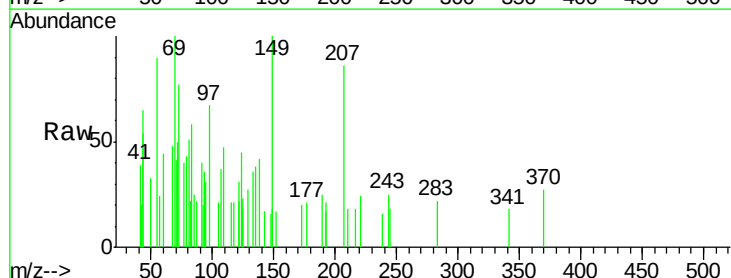
Tgt Ion:149 Resp: 1169

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

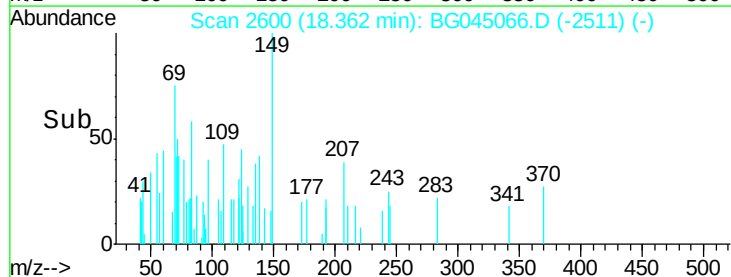
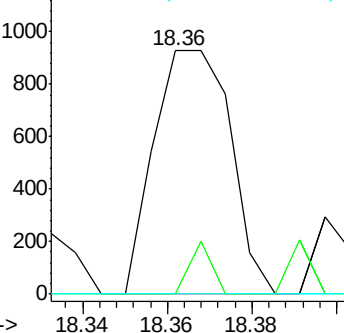
104 0.0 4.8 7.2#

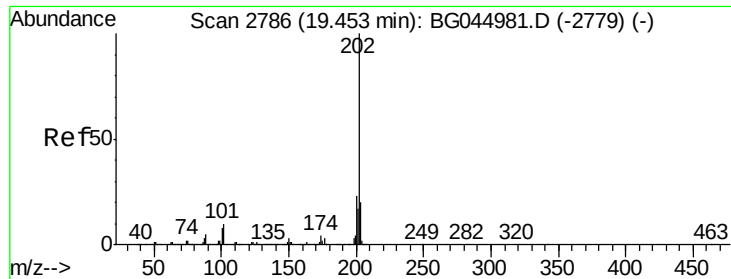


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2786

Delta R.T. 0.00 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

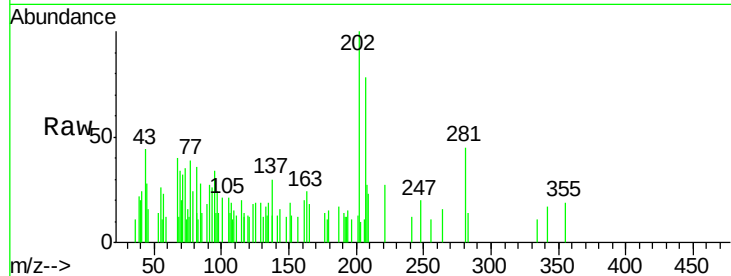
Instrument :

BNA_G

ClientSampleId :

BG-2

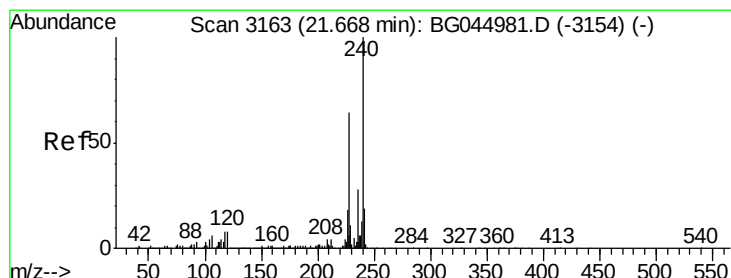
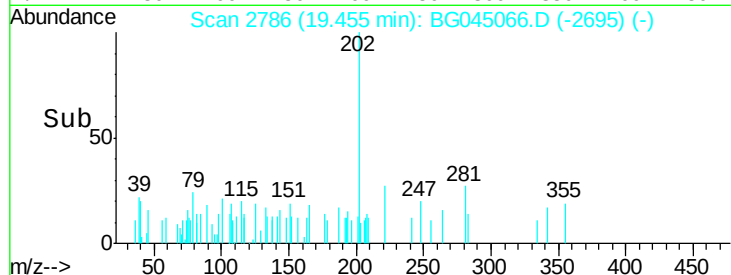
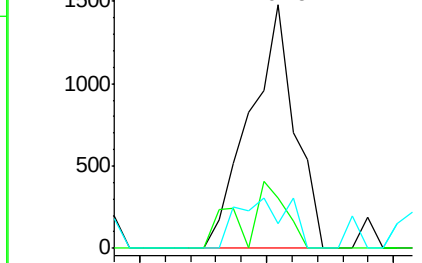
Tot Ion:	202	Resp:	1831
Ion	Ratio	Lower	Upper
202	100		
101	20.6	0.0	29.6
203	10.2	0.0	39.7



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

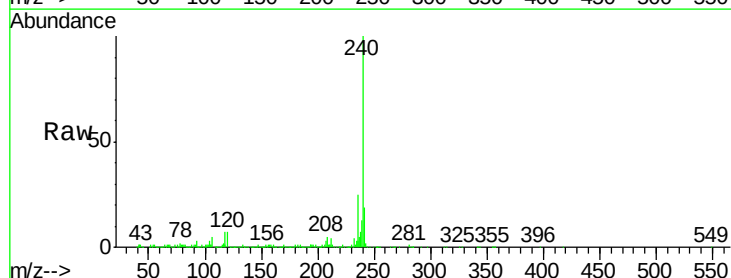
RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

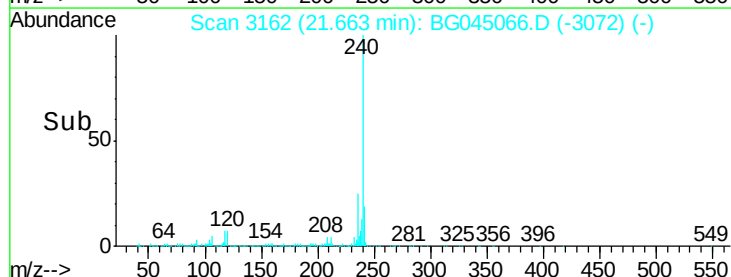
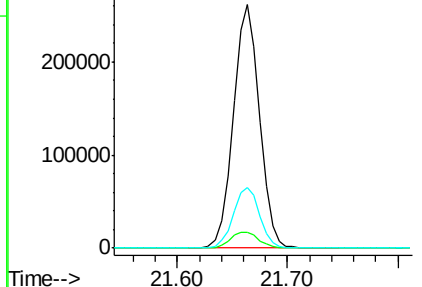
Tgt Ion:	240	Resp:	433461
Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.6	10.0#
236	25.0	22.2	33.2

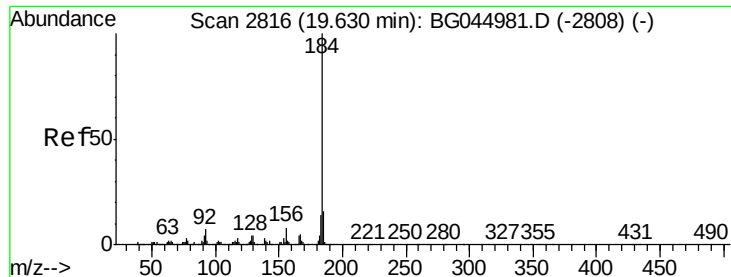


Abundance Ion 240.00 (239.70 to 240.70): E

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: BG045066.D

Acq: 18 Apr 2020 14:24

Instrument :

BNA_G

ClientSampleId :

BG-2

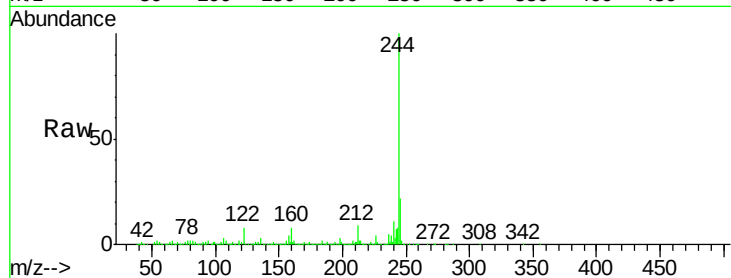
Tot Ion:184 Resp: 21468

Ion Ratio Lower Upper

184 100

185 16.7 12.6 19.0

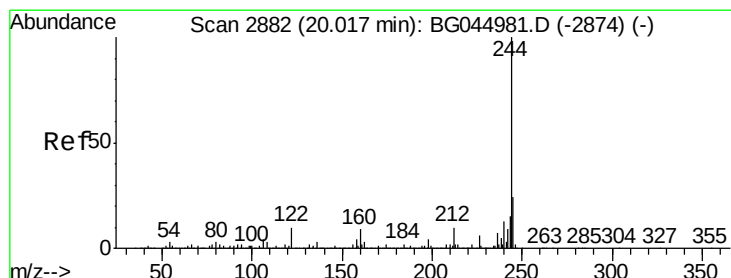
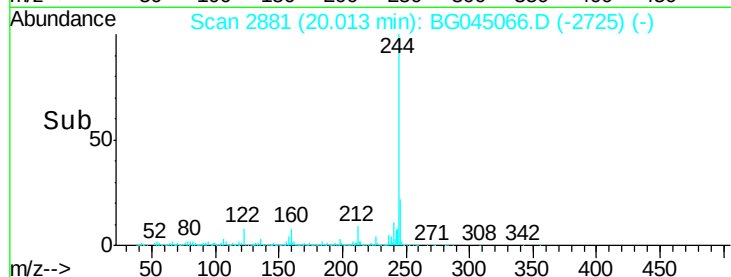
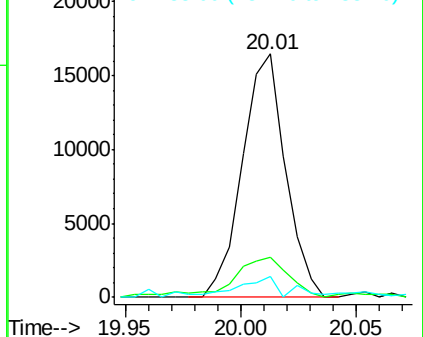
183 8.8 11.3 16.9#



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: 60.580 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045066.D

Acq: 18 Apr 2020 14:24

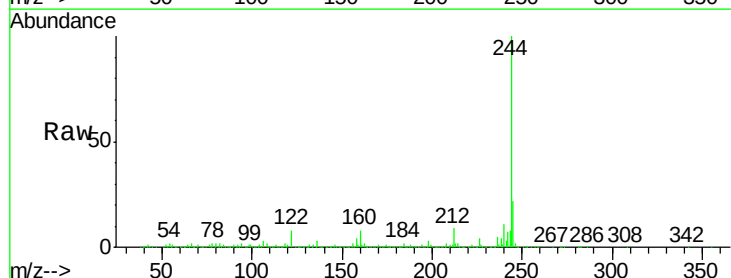
Tgt Ion:244 Resp: 1204787

Ion Ratio Lower Upper

244 100

212 8.5 7.9 11.9

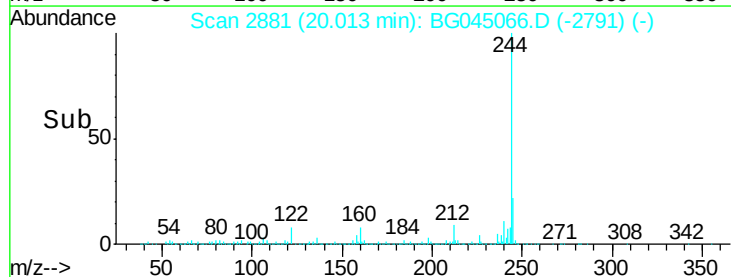
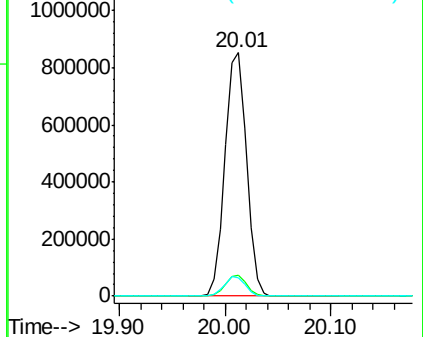
122 7.6 7.7 11.5#

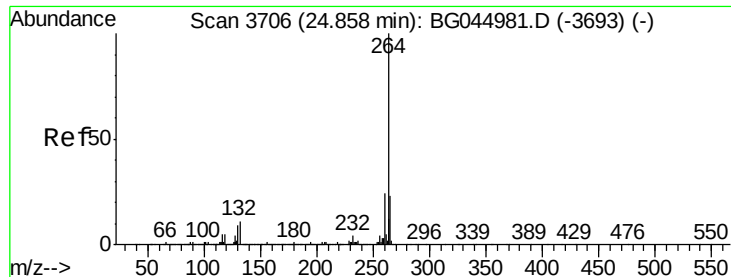


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG045066.D
Acq: 18 Apr 2020 14:24

Instrument :
BNA_G
ClientSampleId :
BG-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	23.1	19.0	28.4

