

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045083.D
 Acq On : 19 Apr 2020 1:41
 Operator : CG/JU
 Sample : L2271-10
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-6

Quant Time: Apr 20 00:27:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	77329	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	332621	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	229330	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	470928	20.00	ng	0.00
76) Chrysene-d12	21.67	240	399697	20.00	ng	0.00
87) Perylene-d12	24.86	264	431161	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	564102	120.43	ng	0.01
7) Phenol-d6	7.20	99	922034	132.49	ng	0.02
23) Nitrobenzene-d5	9.19	82	606392	83.18	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	435897	123.04	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1429705	91.41	ng	0.00
79) Terphenyl-d14	20.02	244	1845930	100.66	ng	0.00

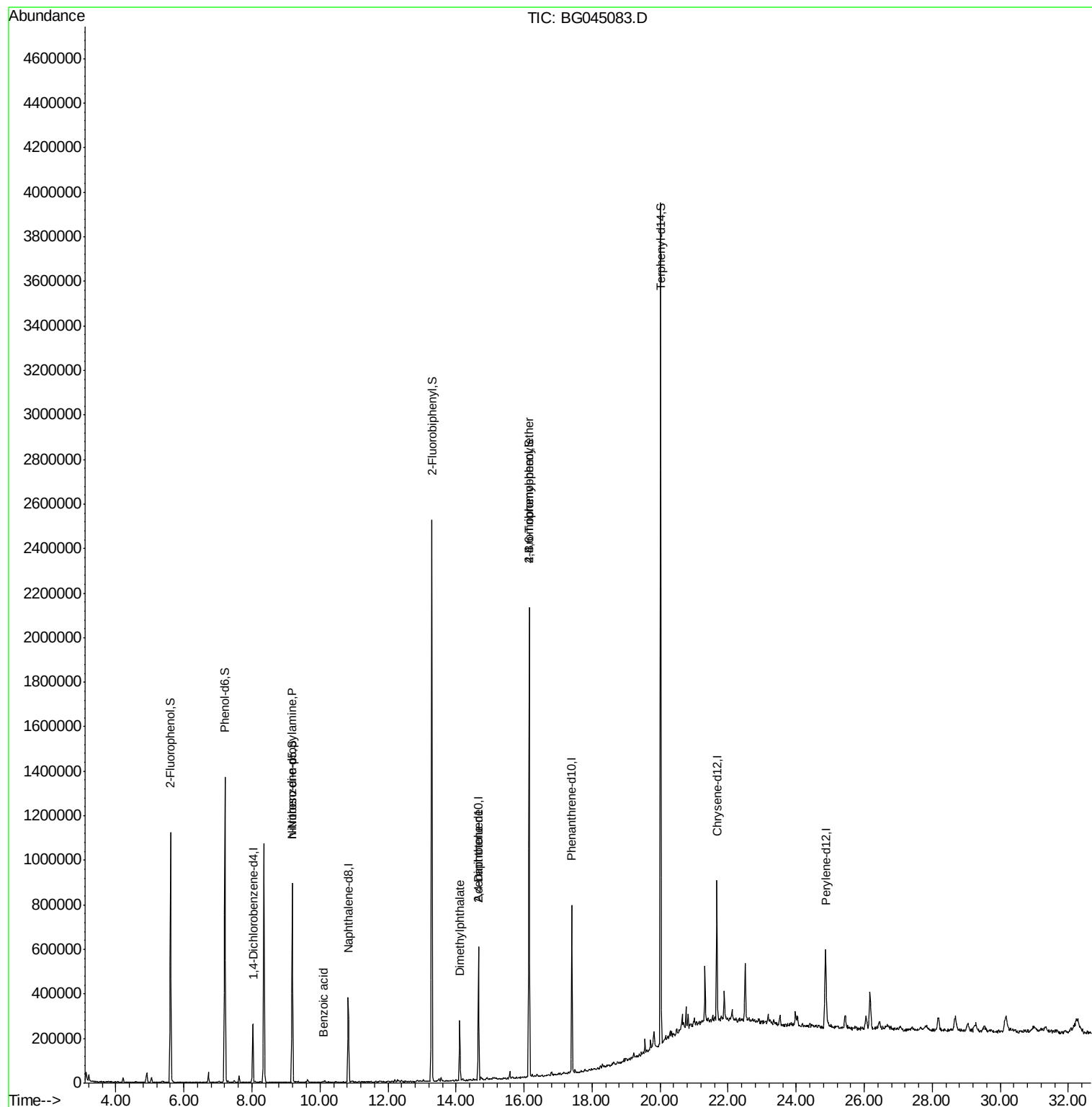
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	148	Below Cal	#	41
19) n-Nitroso-di-n-propylamine	9.18	70	82102	16.682 ng	#	81
32) Benzoic acid	10.10	122	300	6.437 ng	#	53
50) Dimethylphthalate	14.11	163	177028	9.480 ng	#	99
57) 2,4-Dinitrotoluene	14.66	165	31353	5.137 ng	#	23
67) 4-Bromophenyl-phenylether	16.15	248	29466	4.850 ng	#	1
69) Atrazine	16.86	200	134	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	1643	Below Cal	#	21
75) Fluoranthene	19.45	202	7566	Below Cal	#	87
77) Benzidine	20.01	184	36082	Below Cal	#	93

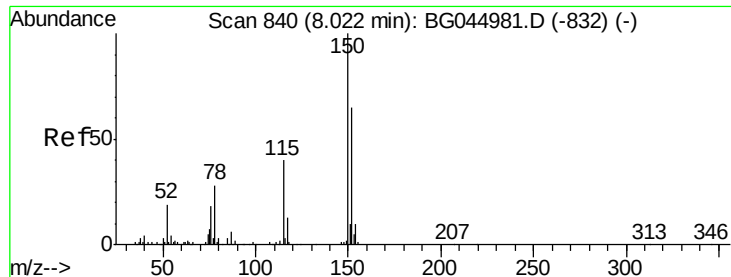
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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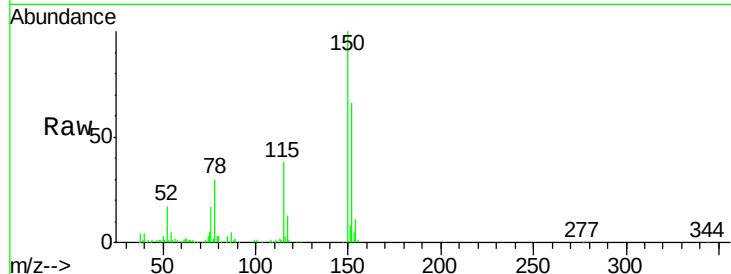


#1

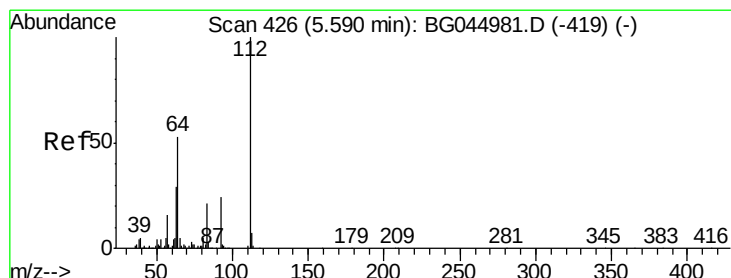
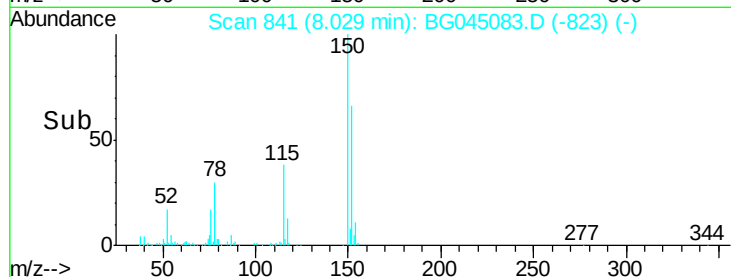
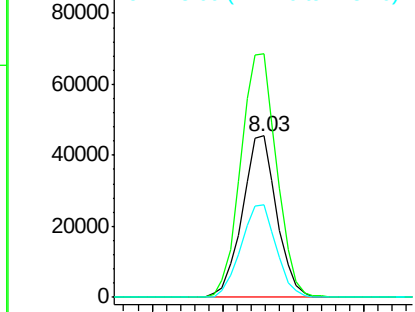
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. 0.00 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Instrument :
BNA_G
ClientSampleId :
BG-6

Tot Ion:152 Resp: 77329
Ion Ratio Lower Upper
152 100
150 150.8 123.6 185.4
115 57.1 49.1 73.7



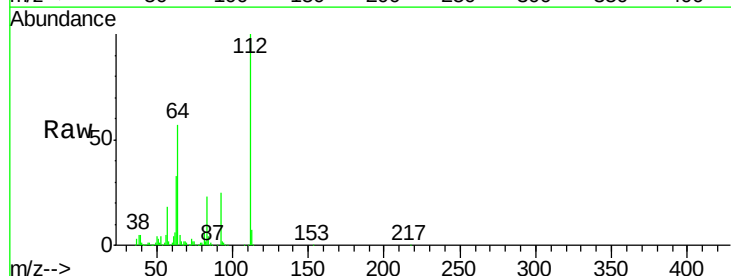
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



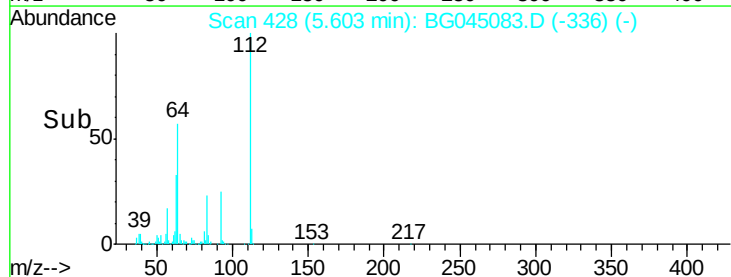
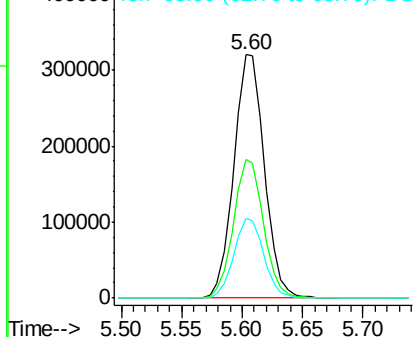
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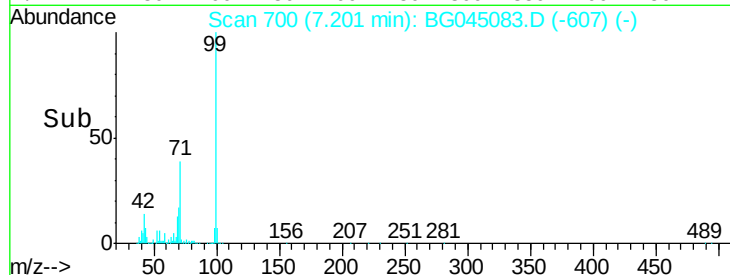
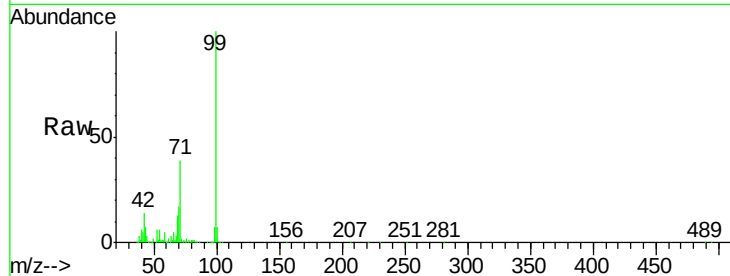
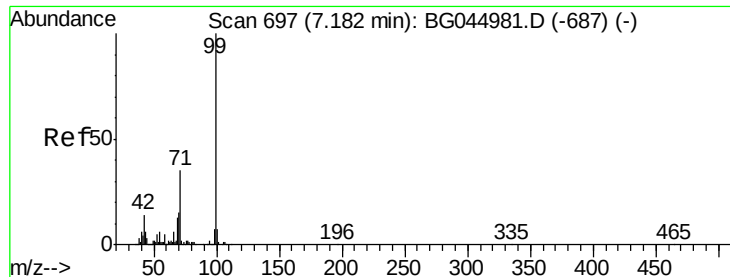
2-Fluorophenol
Concen: 120.434 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Tgt Ion:112 Resp: 564102
Ion Ratio Lower Upper
112 100
64 56.9 42.4 63.6
63 32.5 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: 132.493 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.02 min

Lab File: BG045083.D

Acq: 19 Apr 2020 1:41

Instrument :

BNA_G

ClientSampleId :

BG-6

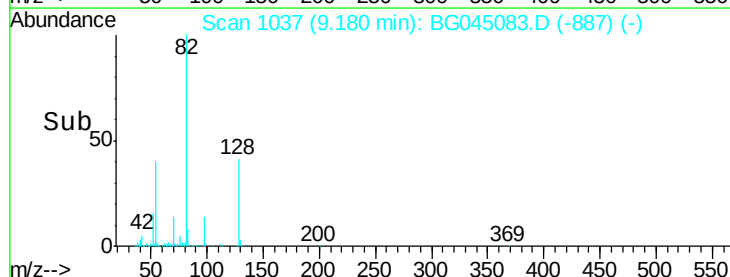
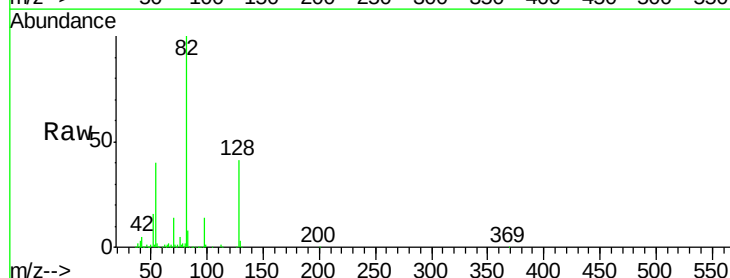
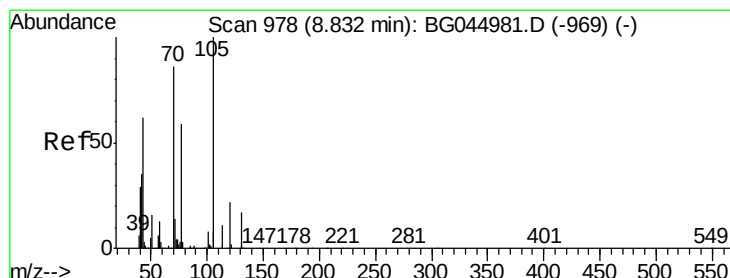
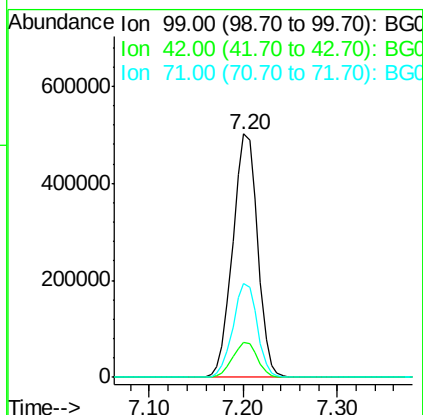
Tot Ion: 99 Resp: 922034

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 38.7 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.682 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045083.D

Acq: 19 Apr 2020 1:41

Tgt Ion: 70 Resp: 82102

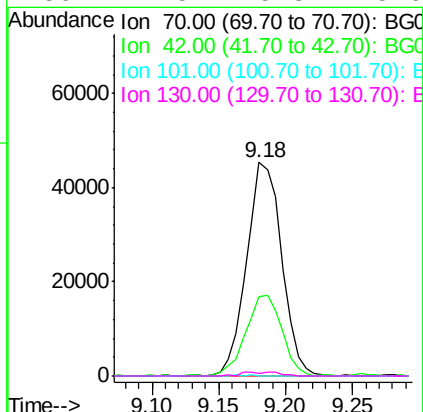
Ion Ratio Lower Upper

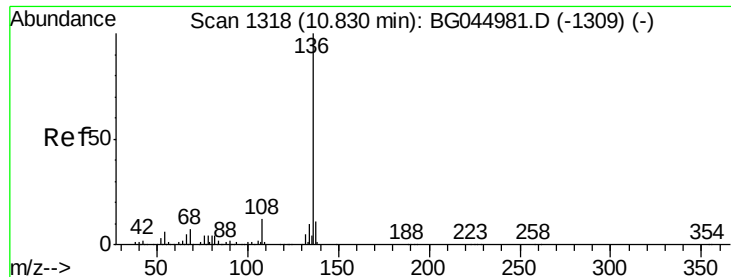
70 100

42 37.1 33.3 49.9

101 0.0 7.8 11.8#

130 1.5 15.8 23.6#

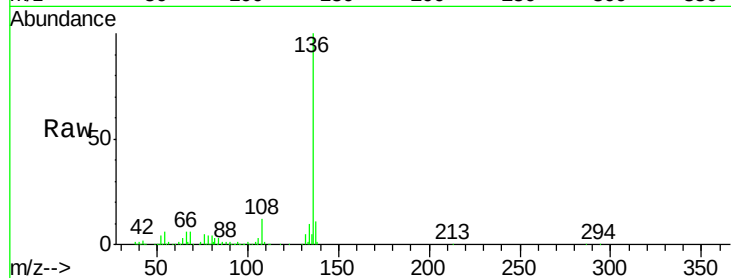




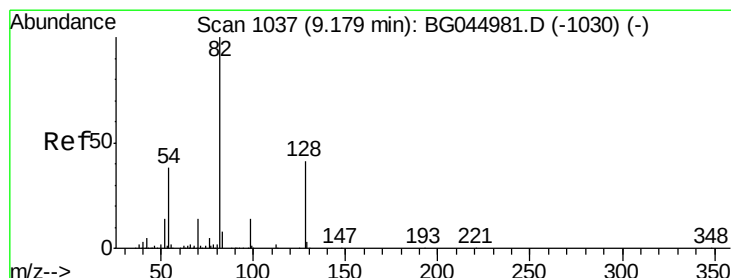
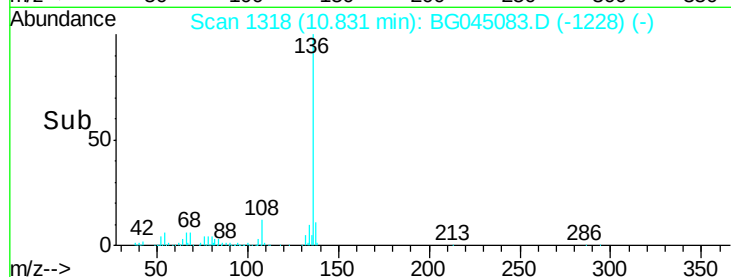
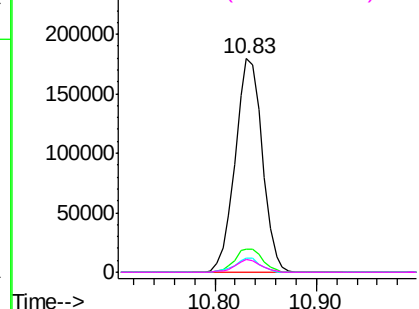
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Instrument :
BNA_G
ClientSampleId :
BG-6

Tot Ion:136	Resp:	332621
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 13.0
54	6.3	4.8 7.2
68	6.2	5.2 7.8

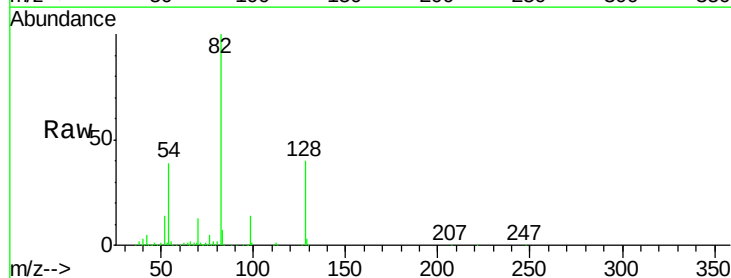


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

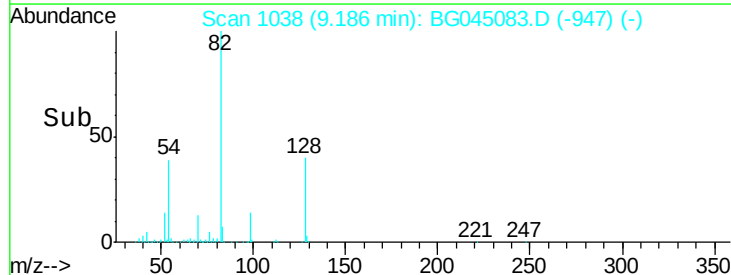
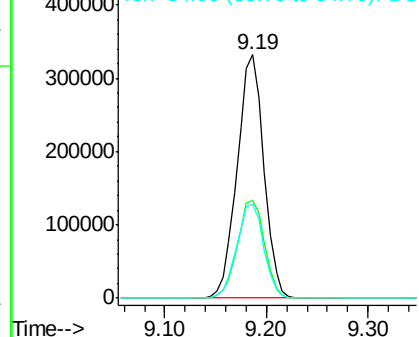


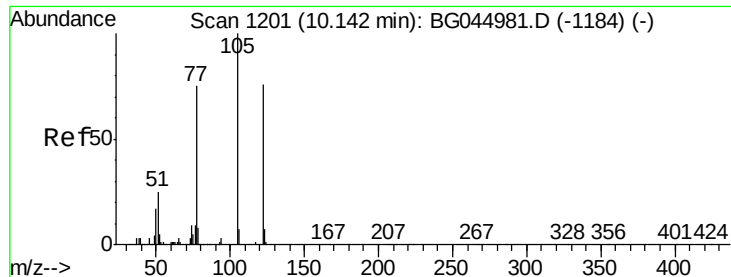
#23
Nitrobenzene-d5
Concen: 83.185 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Tgt Ion: 82	Resp:	606392
Ion Ratio	Lower	Upper
82	100	
128	40.2	33.0 49.4
54	38.6	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

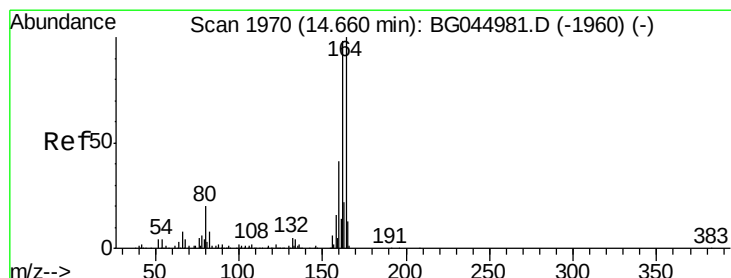
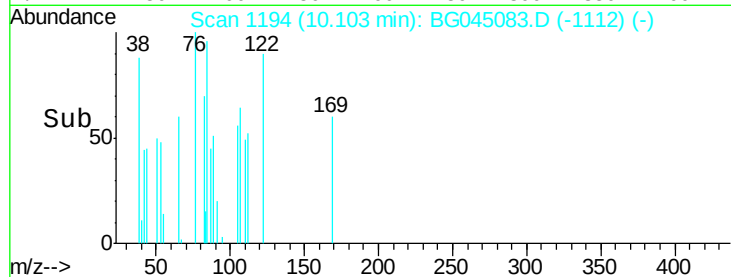
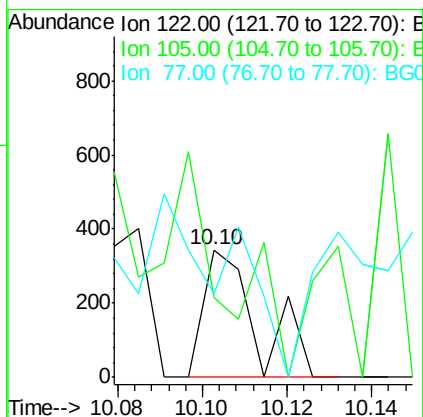
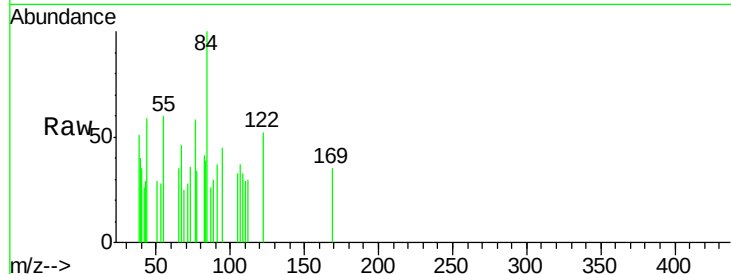




#32
Benzoic acid
Concen: 6.437 ng
RT: 10.10 min Scan# 1194
Delta R.T. -0.05 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

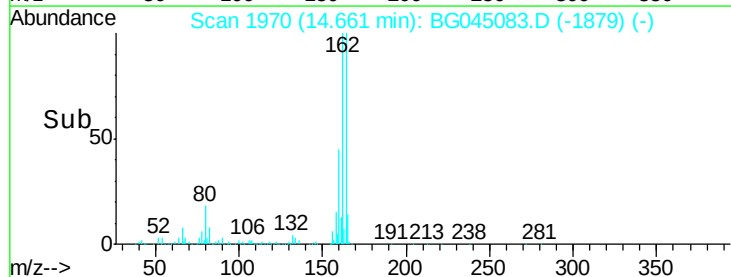
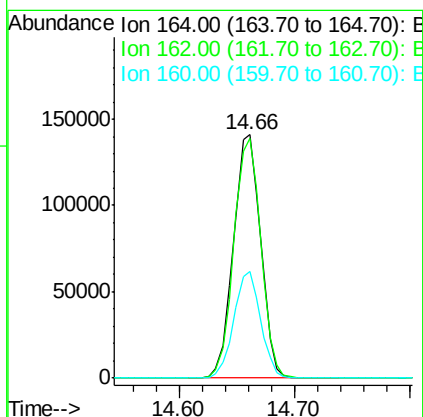
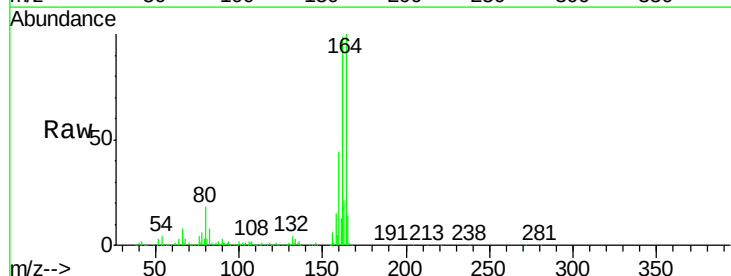
Instrument :
BNA_G
ClientSampled :
BG-6

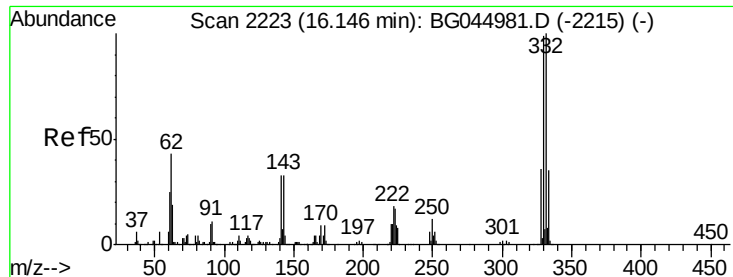
Tot Ion:122 Resp: 300
Ion Ratio Lower Upper
122 100
105 62.7 108.4 148.4#
77 65.3 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Tgt Ion:164 Resp: 229330
Ion Ratio Lower Upper
164 100
162 98.6 78.7 118.1
160 44.0 32.8 49.2

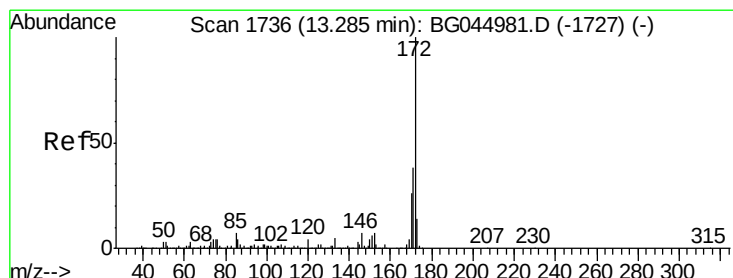
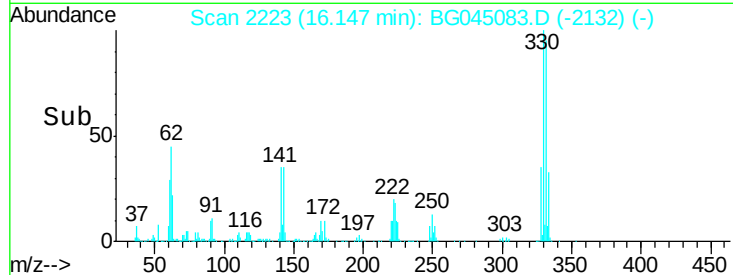
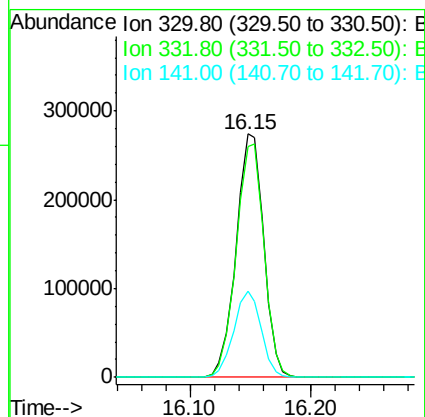
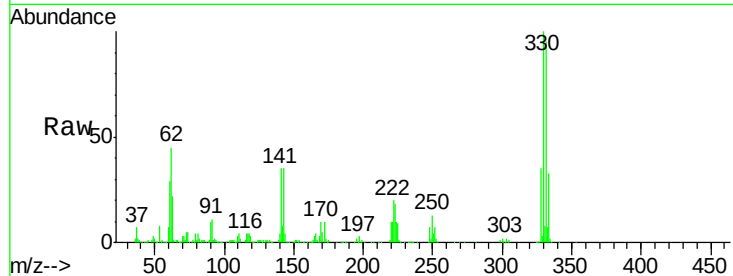




#42
 2,4,6-Tribromophenol
 Concen: 123.036 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045083.D
 Acq: 19 Apr 2020 1:41

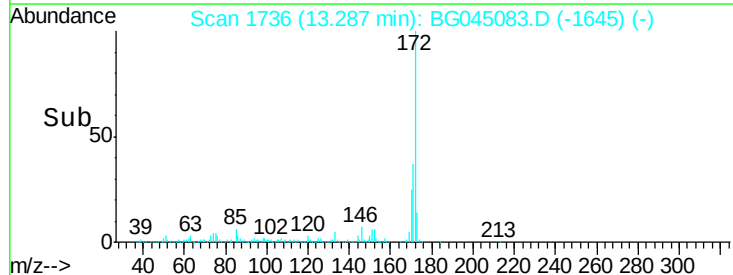
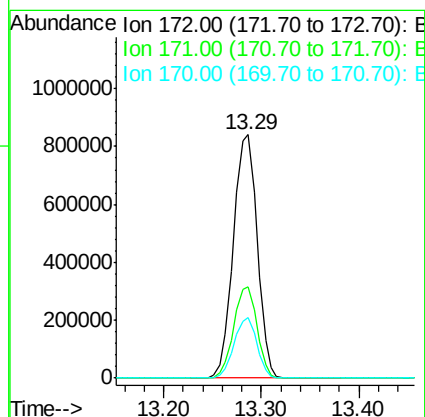
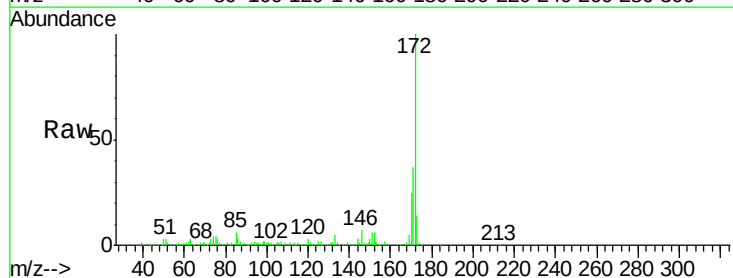
Instrument :
 BNA_G
 ClientSampleId :
 BG-6

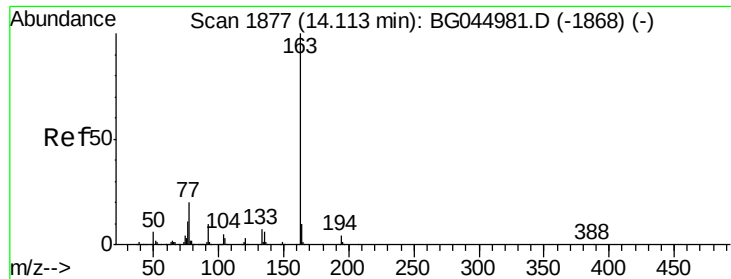
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.1	118.7
141	35.2	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 91.414 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: BG045083.D
 Acq: 19 Apr 2020 1:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.6	46.0
170	24.7	20.5	30.7

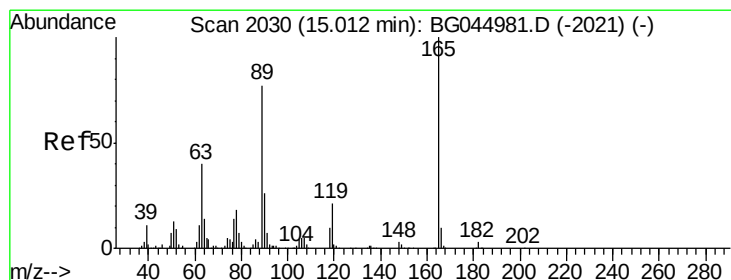
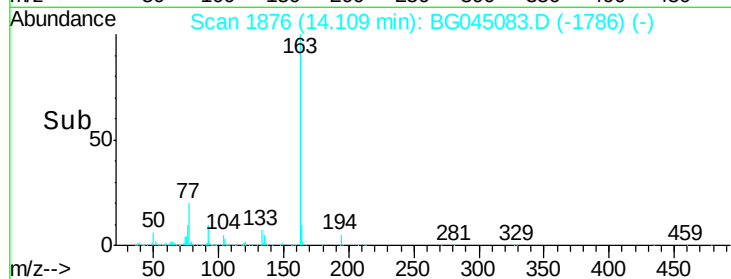
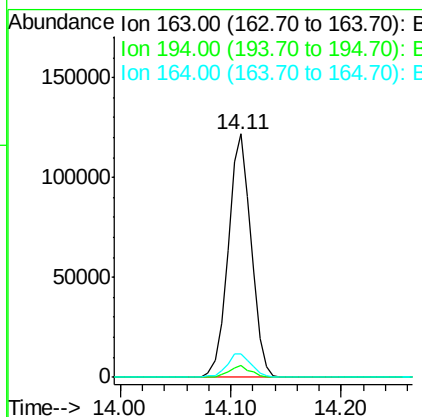
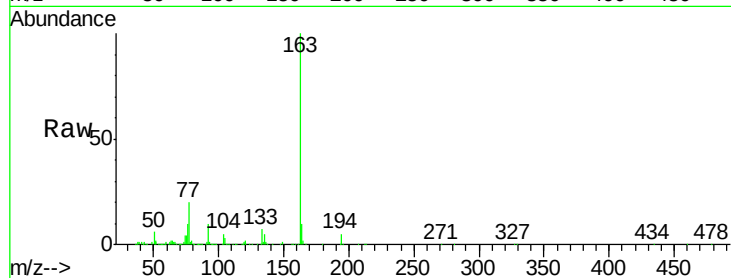




#50
Dimethylphthalate
Concen: 9.480 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

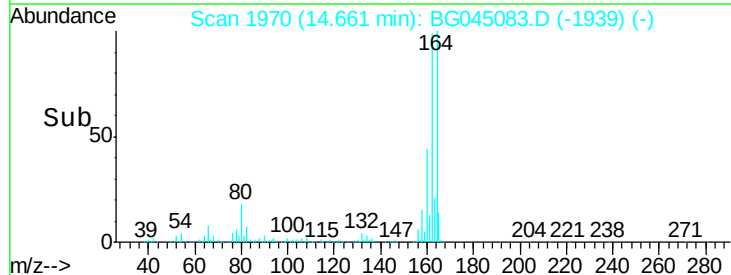
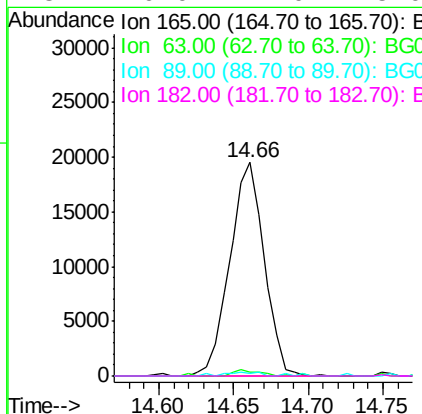
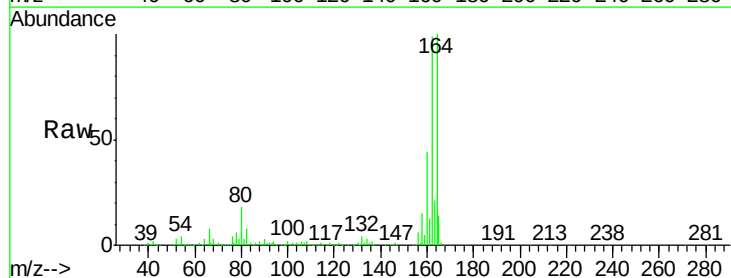
Instrument :
BNA_G
ClientSampleId :
BG-6

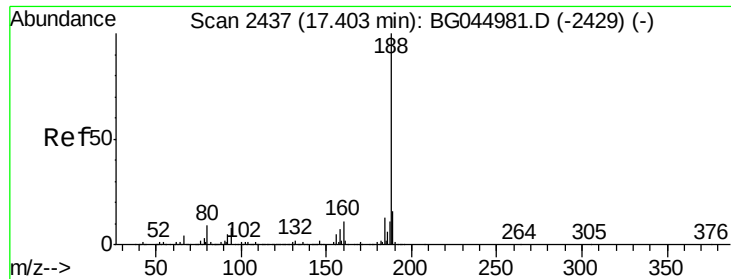
Tot Ion:163 Resp: 177028
Ion Ratio Lower Upper
163 100
194 4.9 3.5 5.3
164 9.8 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 5.137 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.35 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Tgt Ion:165 Resp: 31353
Ion Ratio Lower Upper
165 100
63 2.1 32.2 48.2#
89 1.0 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG045083.D

Acq: 19 Apr 2020 1:41

Instrument :

BNA_G

ClientSampleId :

BG-6

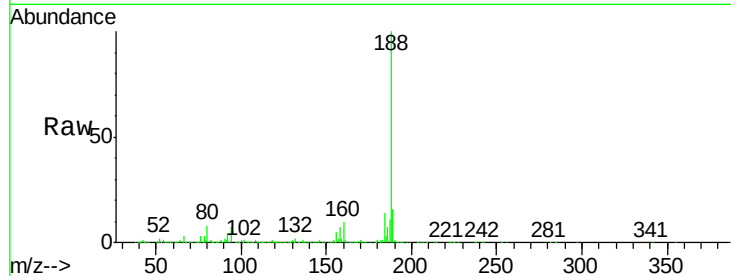
Tot Ion:188 Resp: 470928

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

80 8.1 7.0 10.6

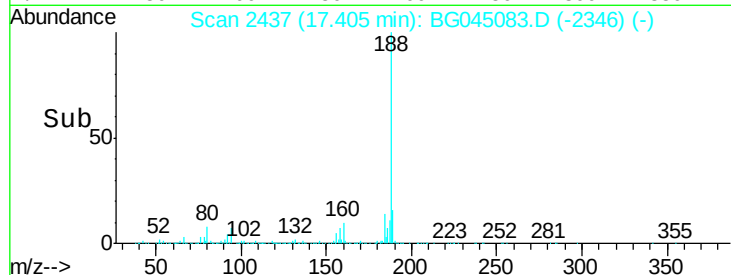


Abundance Ion 188.00 (187.70 to 188.70): E

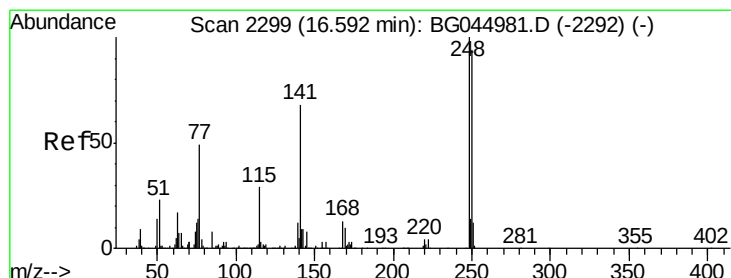
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.850 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG045083.D

Acq: 19 Apr 2020 1:41

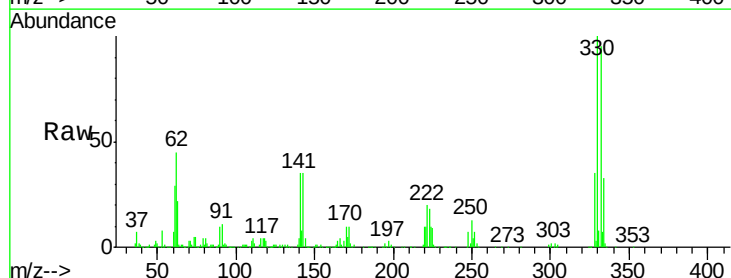
Tgt Ion:248 Resp: 29466

Ion Ratio Lower Upper

248 100

250 191.1 75.4 113.2#

141 532.6 54.4 81.6#

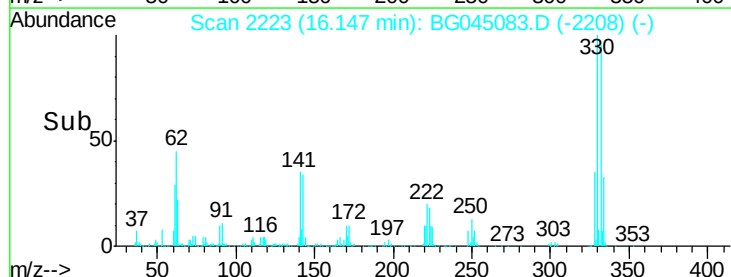


Abundance Ion 248.00 (247.70 to 248.70): E

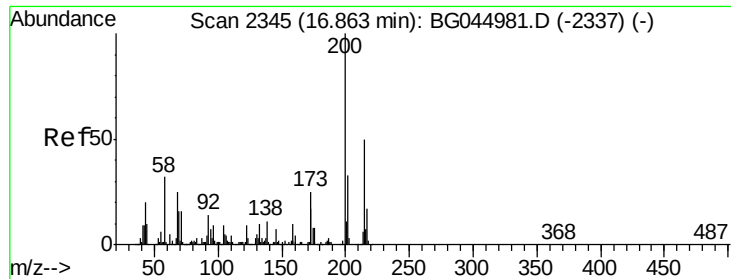
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



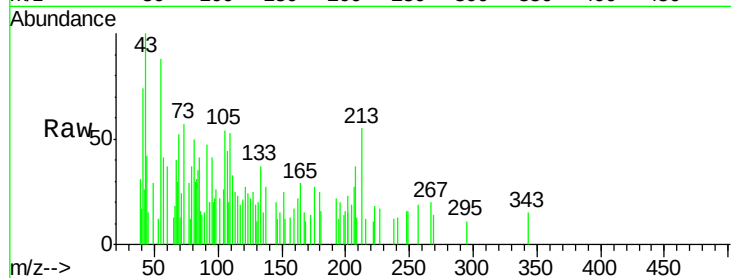
Time-->



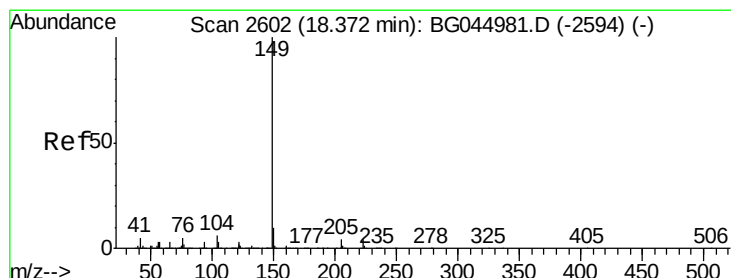
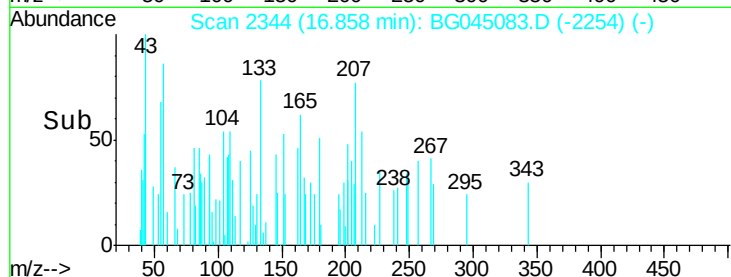
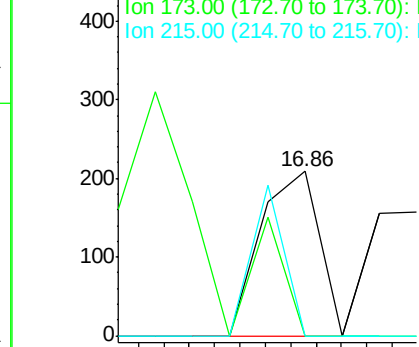
#69
Atrazine
Concen: Below Cal
RT: 16.86 min Scan# 2344
Delta R.T. -0.00 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Instrument :
BNA_G
ClientSampleId :
BG-6

Tot Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#

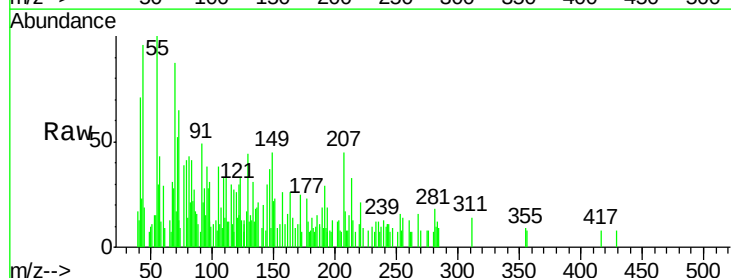


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

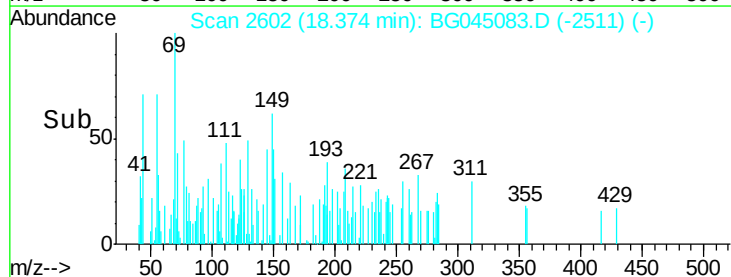
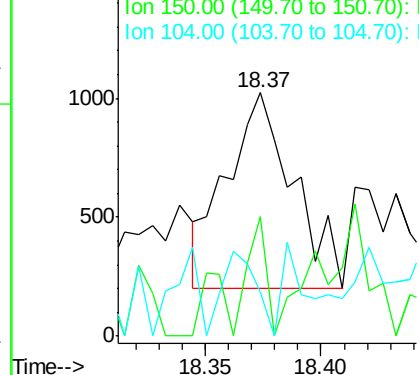


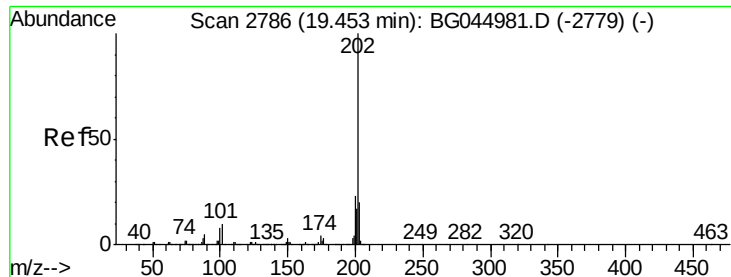
#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.37 min Scan# 2602
Delta R.T. 0.00 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Tgt Ion	Ratio	Lower	Upper
149	100		
150	49.2	8.2	12.2#
104	17.8	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

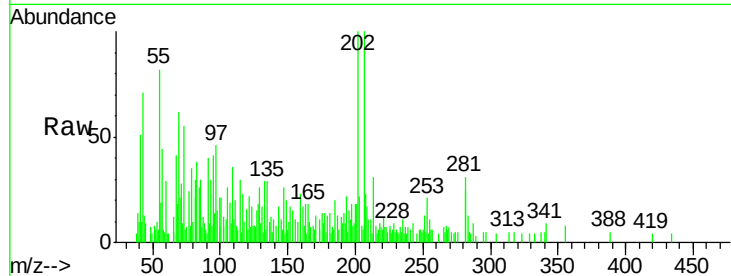




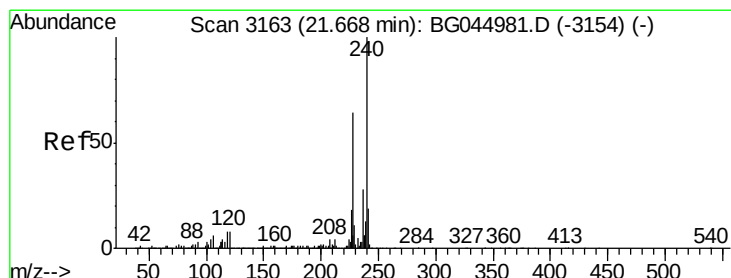
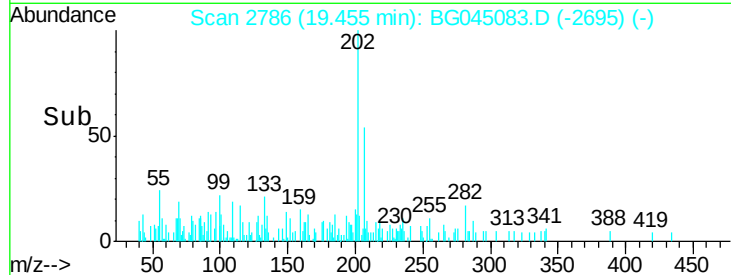
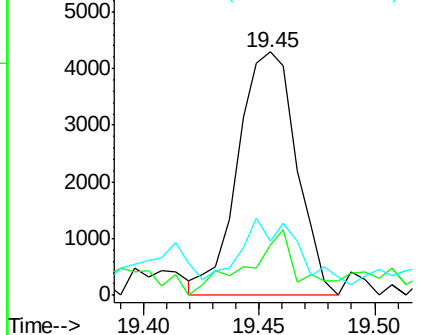
#75
Fluoranthene
Concen: Below Cal
RT: 19.45 min Scan# 2786
Delta R.T. 0.00 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Instrument :
BNA_G
ClientSampleId :
BG-6

Tot Ion:	202	Resp:	7566
Ion	Ratio	Lower	Upper
202	100		
101	20.8	0.0	29.6
203	22.0	0.0	39.7

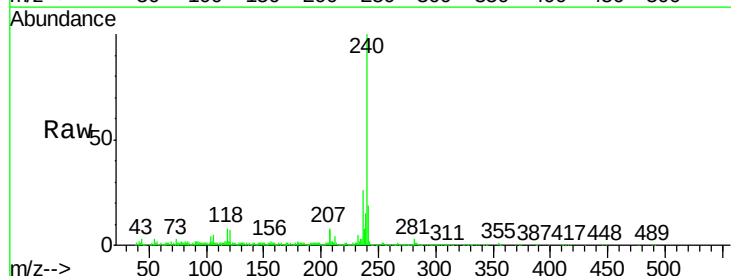


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

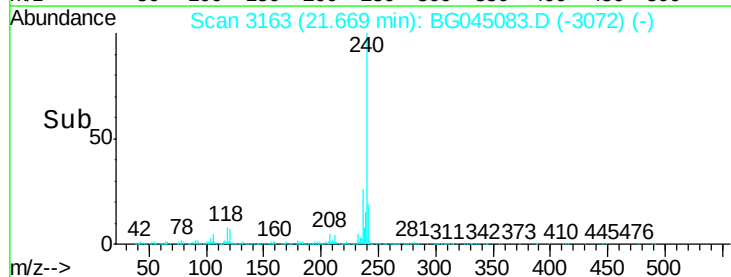
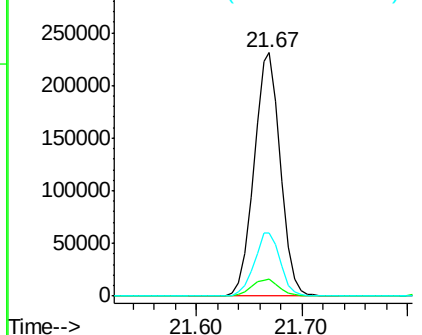


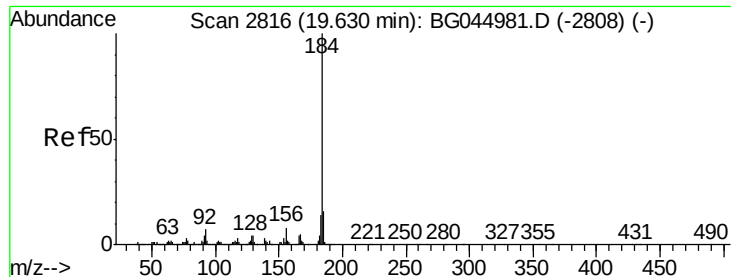
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3163
Delta R.T. 0.00 min
Lab File: BG045083.D
Acq: 19 Apr 2020 1:41

Tgt Ion:	240	Resp:	399697
Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.6	10.0
236	26.1	22.2	33.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045083.D

Acq: 19 Apr 2020 1:41

Instrument :

BNA_G

ClientSampleId :

BG-6

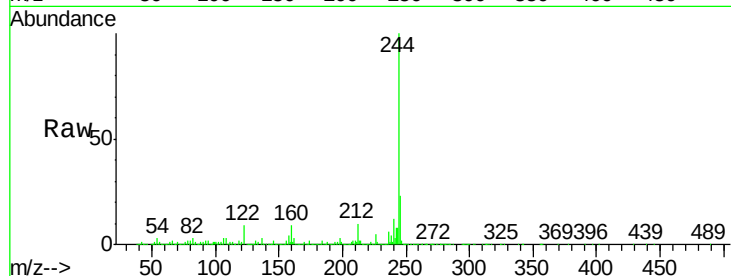
Tot Ion:184 Resp: 36082

Ion Ratio Lower Upper

184 100

185 19.1 12.6 19.0#

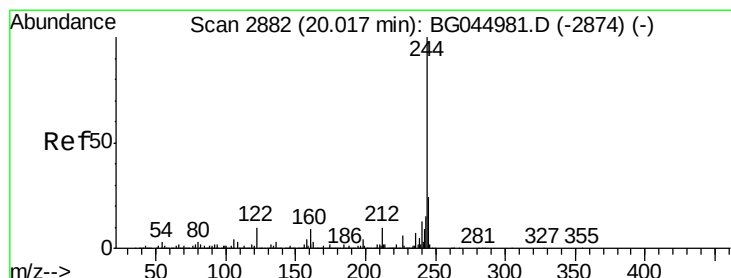
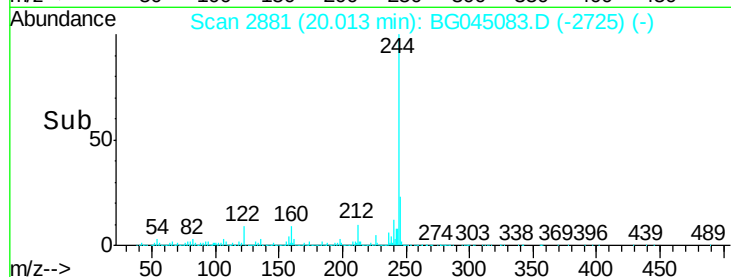
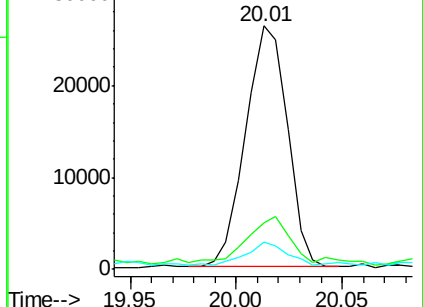
183 11.2 11.3 16.9#



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: 100.659 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG045083.D

Acq: 19 Apr 2020 1:41

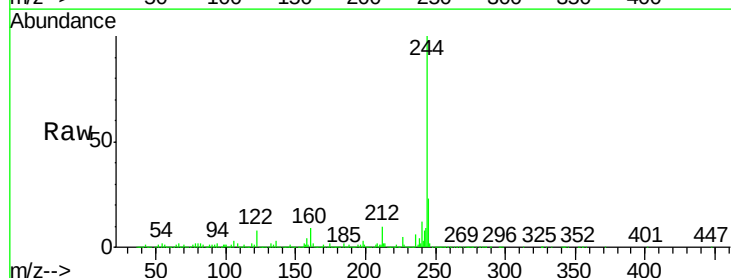
Tgt Ion:244 Resp: 1845930

Ion Ratio Lower Upper

244 100

212 9.6 7.9 11.9

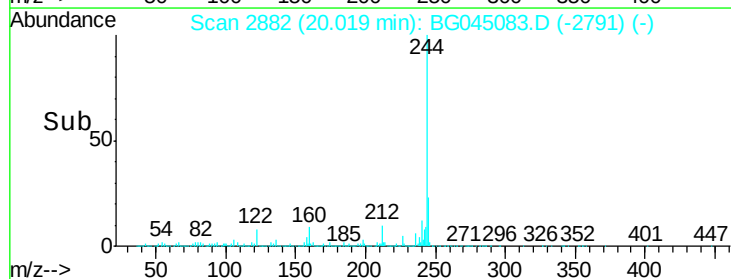
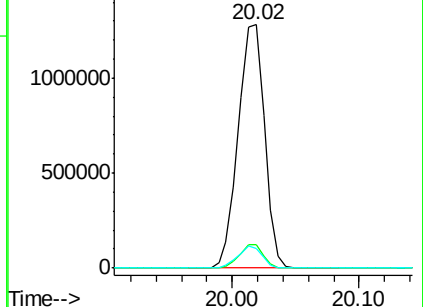
122 8.2 7.7 11.5

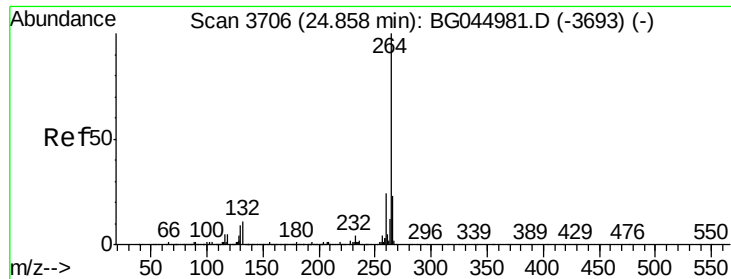


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.86 min Scan# 3706
 Delta R.T. 0.00 min
 Lab File: BG045083.D
 Acq: 19 Apr 2020 1:41

Instrument :
 BNA_G
 ClientSampleId :
 BG-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.0	19.0	28.4

