

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045056.D
 Acq On : 18 Apr 2020 7:46
 Operator : CG/JU
 Sample : L2283-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB-2020-04-14

Quant Time: Apr 18 08:23:35 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	66060	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	280997	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	223868	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	532724	20.00	ng	0.00
76) Chrysene-d12	21.66	240	501092	20.00	ng	0.00
87) Perylene-d12	24.85	264	538361	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	208130	52.02	ng	0.00
7) Phenol-d6	7.18	99	197732	33.26	ng	0.00
23) Nitrobenzene-d5	9.18	82	555836	90.26	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	483243	139.73	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1367806	89.59	ng	0.00
79) Terphenyl-d14	20.02	244	2294928	99.82	ng	0.00

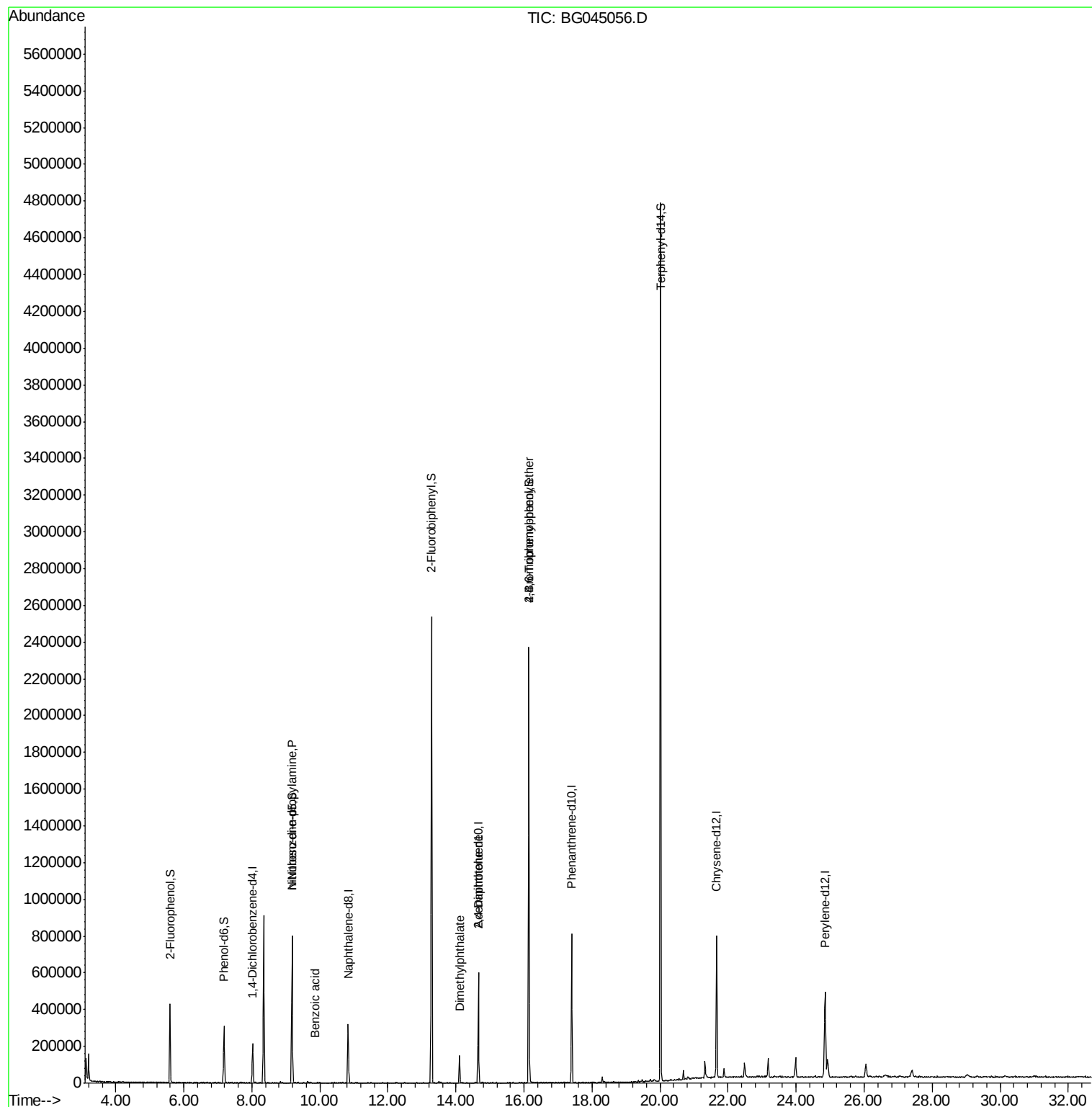
Target Compounds				Qvalue		
9) Benzaldehyde	7.16	77	142	Below Cal		87
19) n-Nitroso-di-n-propylamine	9.18	70	74798	17.791 ng	#	81
32) Benzoic acid	9.85	122	57	6.388 ng	#	1
50) Dimethylphthalate	14.11	163	100464	5.511 ng		98
57) 2,4-Dinitrotoluene	14.66	165	29603	4.968 ng	#	22
67) 4-Bromophenyl-phenylether	16.14	248	31108	4.526 ng	#	1
69) Atrazine	16.81	200	77	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	902	Below Cal	#	76
75) Fluoranthene	19.44	202	108	Below Cal		62
77) Benzidine	20.02	184	44369	Below Cal	#	89

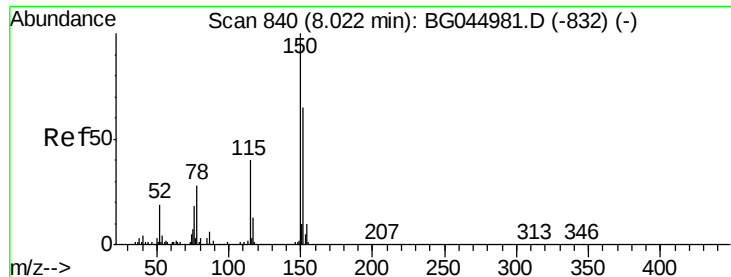
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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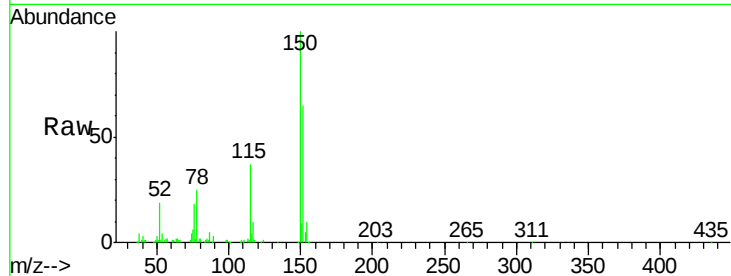


#1

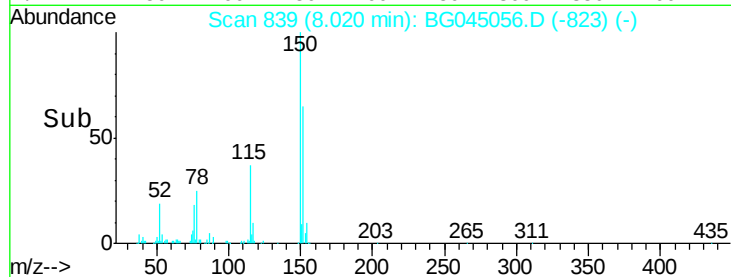
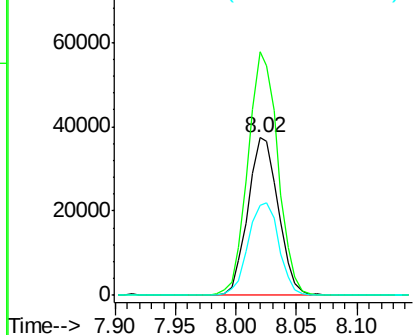
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG045056.D
Acq: 18 Apr 2020 7:46

Instrument :
BNA_G
ClientSampleId :
FB-2020-04-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.6	185.4
115	57.5	49.1	73.7



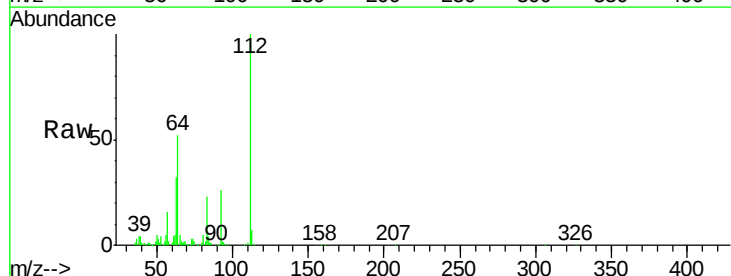
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



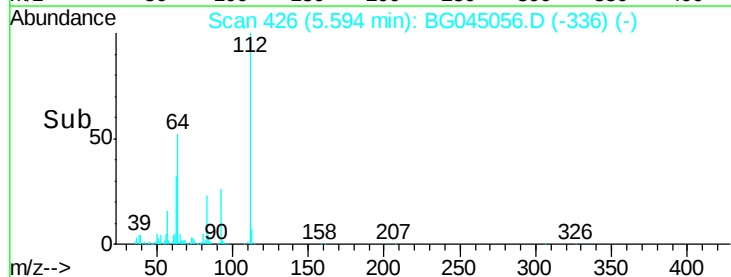
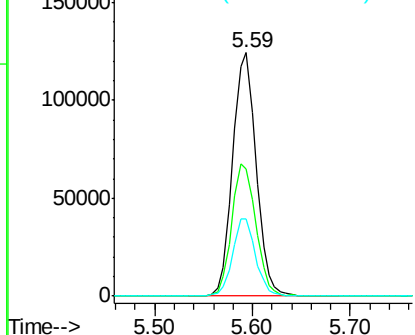
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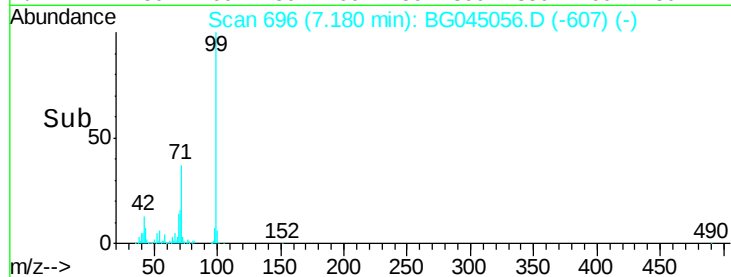
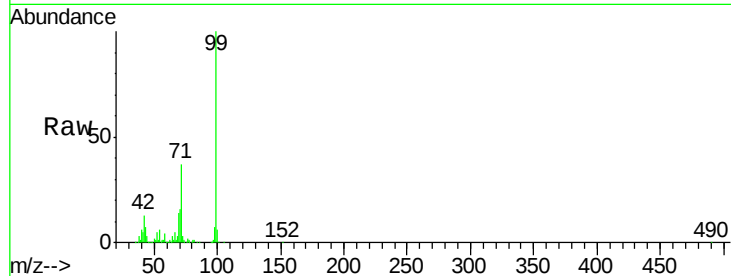
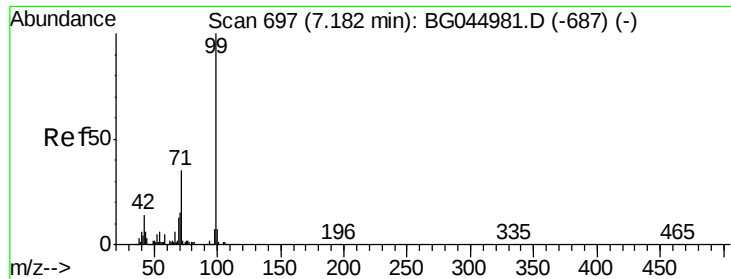
2-Fluorophenol
Concen: 52.015 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG045056.D
Acq: 18 Apr 2020 7:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.4	63.6
63	31.5	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: 33.260 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-14

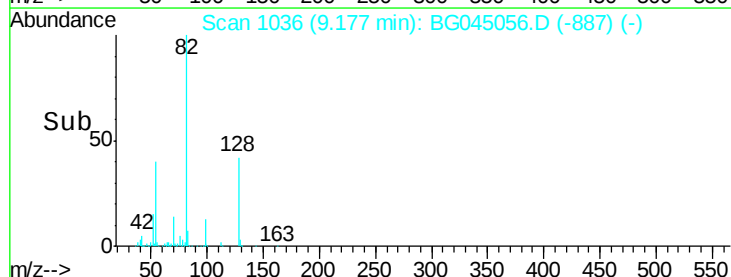
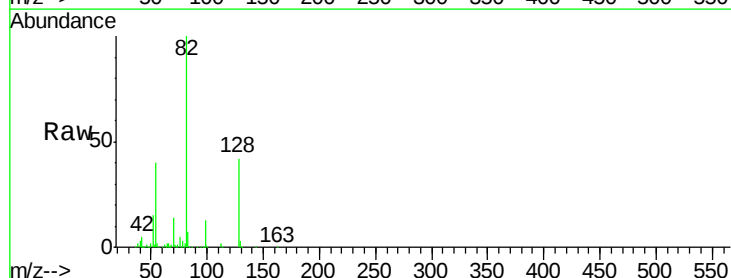
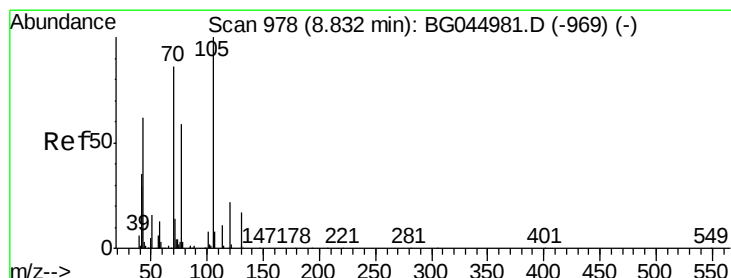
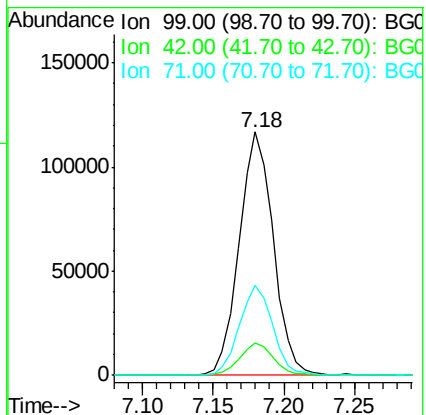
Tot Ion: 99 Resp: 197732

Ion Ratio Lower Upper

99 100

42 13.2 11.3 16.9

71 36.8 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 17.791 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

Tgt Ion: 70 Resp: 74798

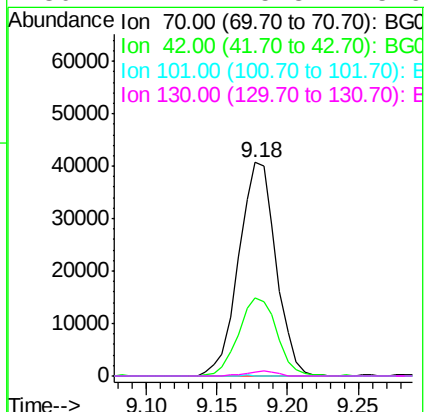
Ion Ratio Lower Upper

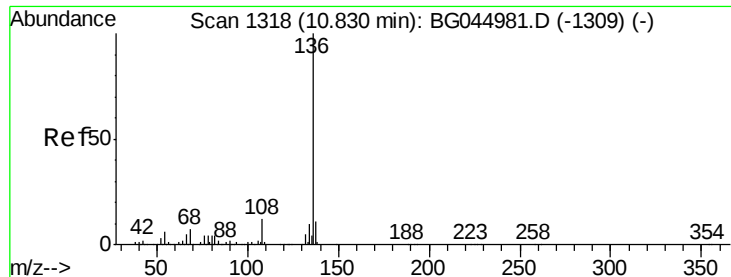
70 100

42 36.3 33.3 49.9

101 0.0 7.8 11.8#

130 1.7 15.8 23.6#

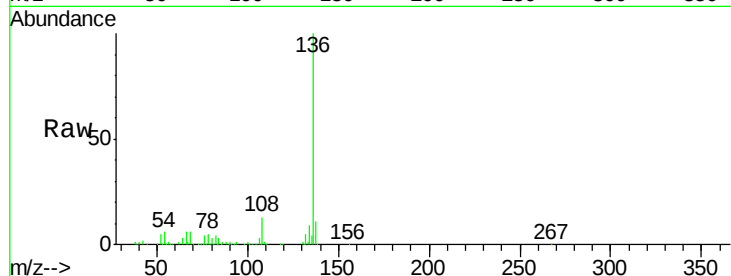




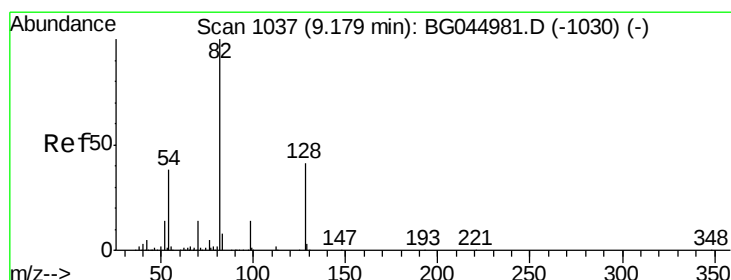
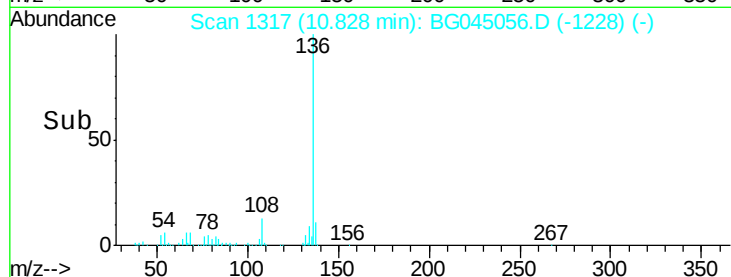
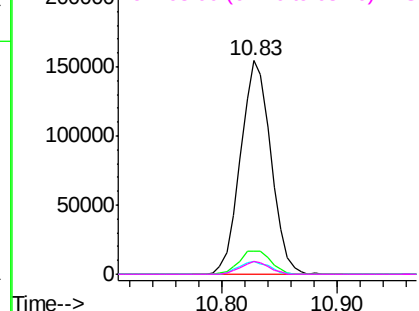
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045056.D
Acq: 18 Apr 2020 7:46

Instrument :
BNA_G
ClientSampleId :
FB-2020-04-14

Tot Ion:136	Resp: 280997
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 5.9	4.8 7.2
68 5.9	5.2 7.8

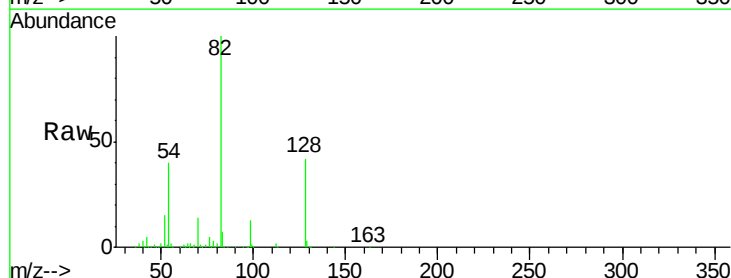


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

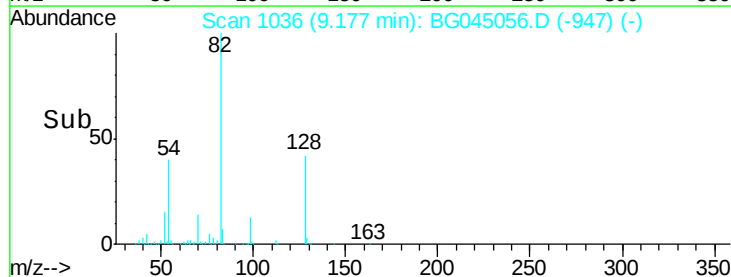
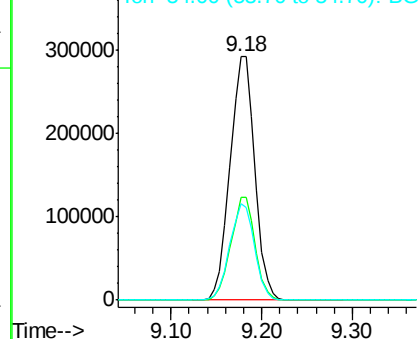


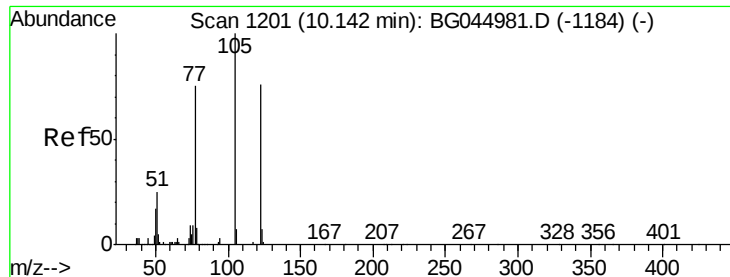
#23
Nitrobenzene-d5
Concen: 90.258 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045056.D
Acq: 18 Apr 2020 7:46

Tgt Ion	82	Resp: Lower	555836 Upper
	Ratio 100		
128	42.4	33.0	49.4
54	39.8	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

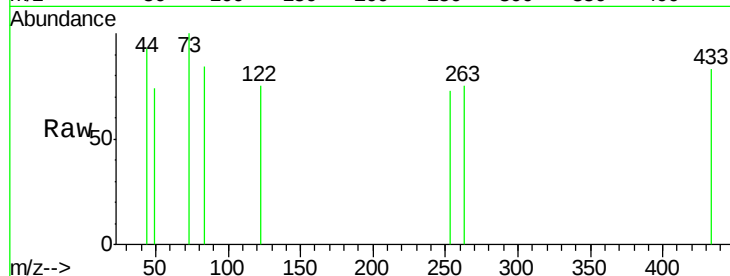




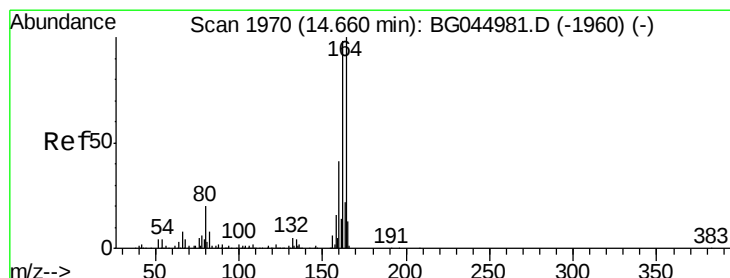
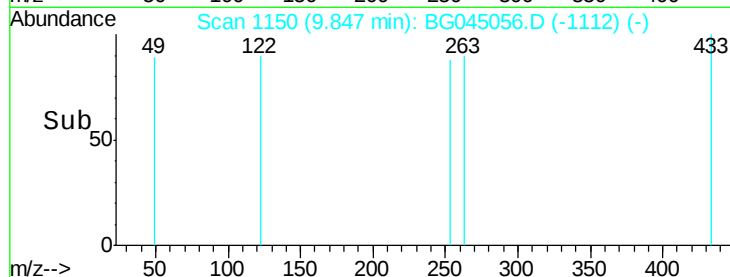
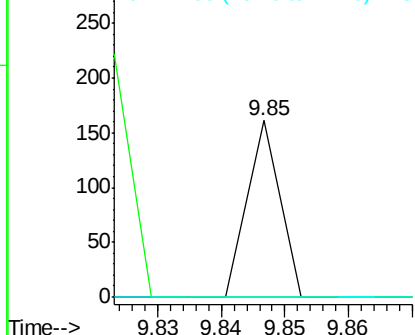
#32
Benzoic acid
Concen: 6.388 ng
RT: 9.85 min Scan# 1150
Delta R.T. -0.30 min
Lab File: BG045056.D
Acq: 18 Apr 2020 7:46

Instrument :
BNA_G
ClientSampleId :
FB-2020-04-14

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

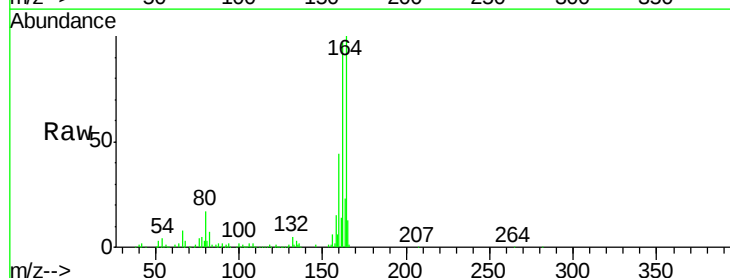


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

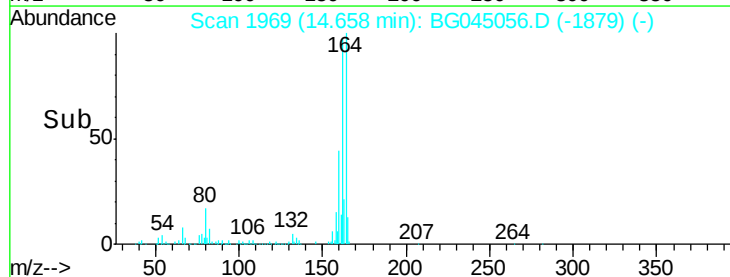
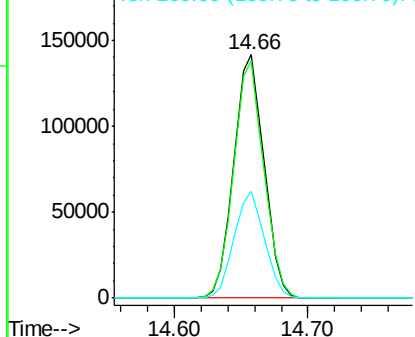


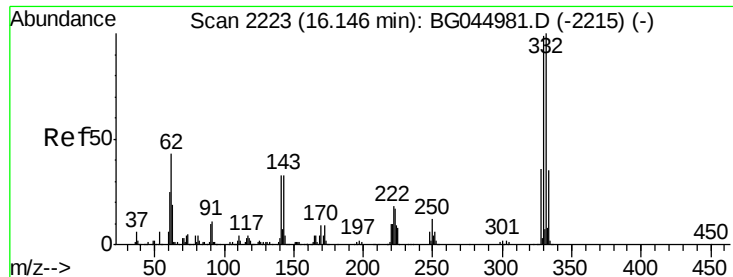
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BG045056.D
Acq: 18 Apr 2020 7:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.3	78.7	118.1
160	43.6	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

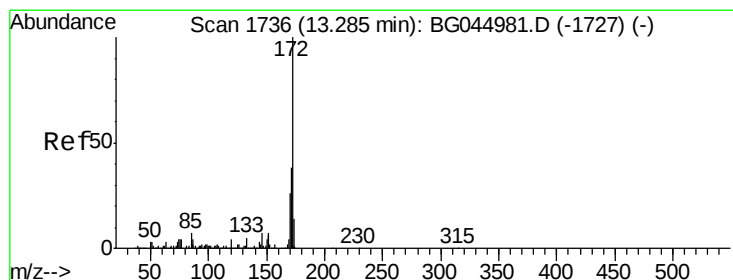
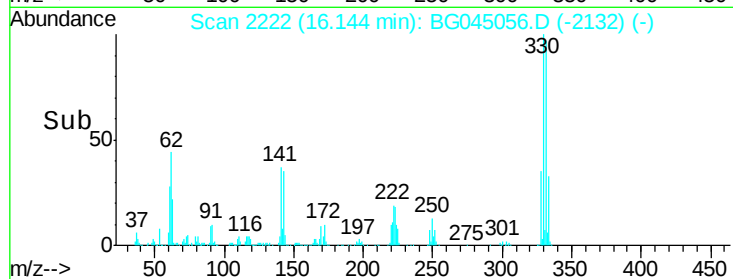
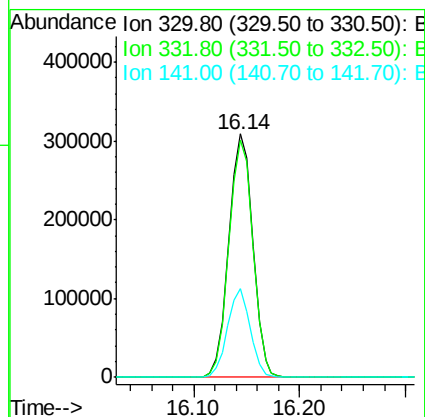
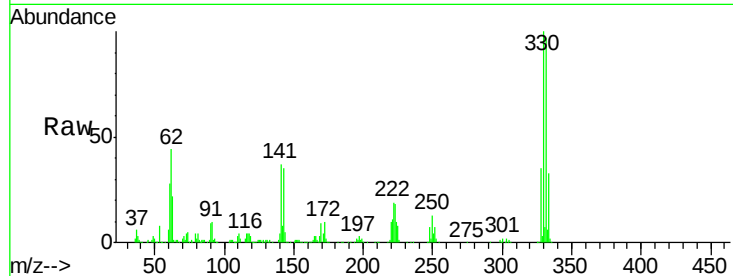




#42
 2,4,6-Tribromophenol
 Concen: 139.727 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. 0.00 min
 Lab File: BG045056.D
 Acq: 18 Apr 2020 7:46

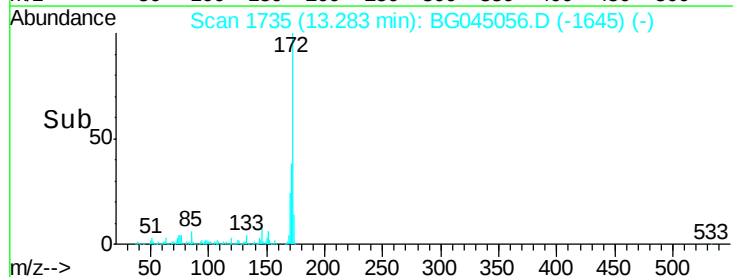
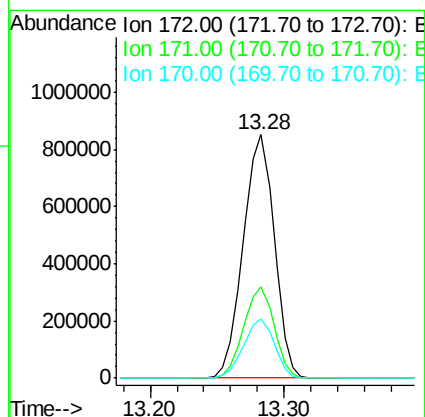
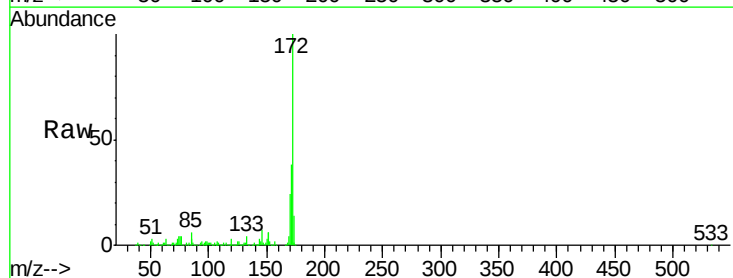
Instrument :
 BNA_G
 ClientSampleId :
 FB-2020-04-14

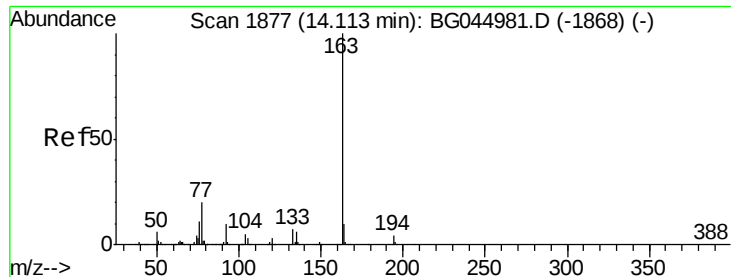
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	79.1	118.7
141	35.0	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 89.590 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BG045056.D
 Acq: 18 Apr 2020 7:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.6	46.0
170	24.3	20.5	30.7





#50

Dimethylphthalate

Concen: 5.511 ng

RT: 14.11 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-14

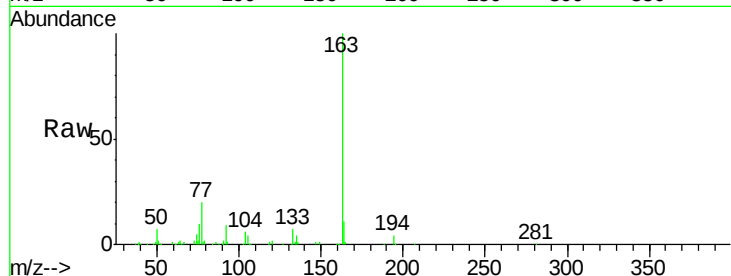
Tot Ion:163 Resp: 100464

Ion Ratio Lower Upper

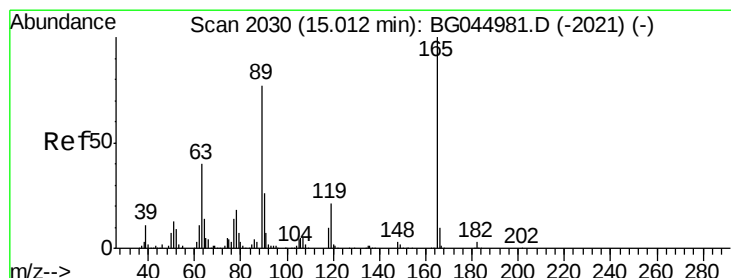
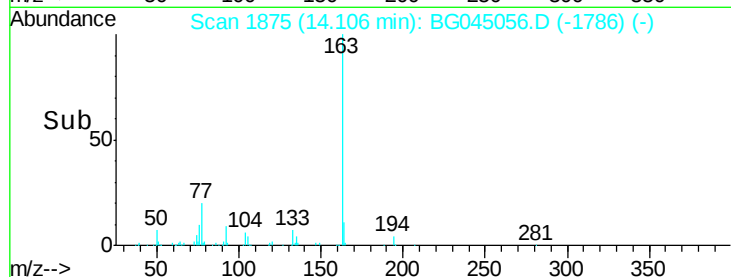
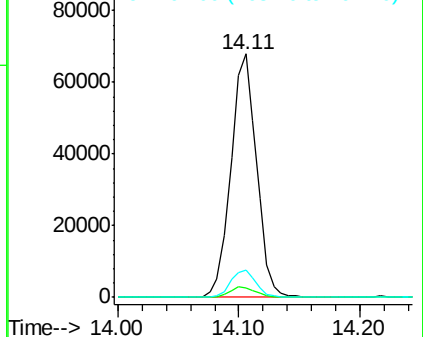
163 100

194 3.9 3.5 5.3

164 11.2 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: 4.968 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.35 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

Tgt Ion:165 Resp: 29603

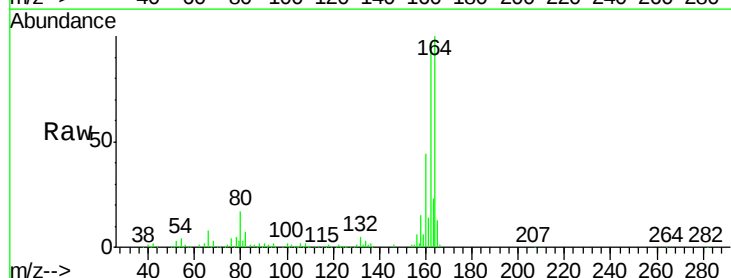
Ion Ratio Lower Upper

165 100

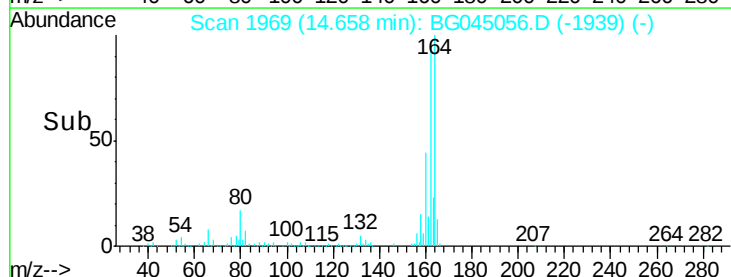
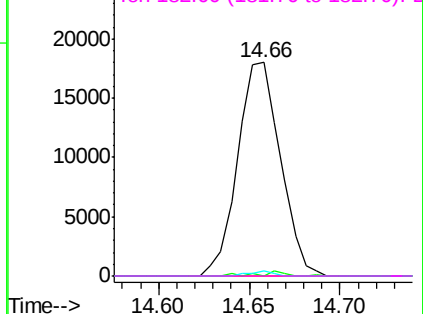
63 0.0 32.2 48.2#

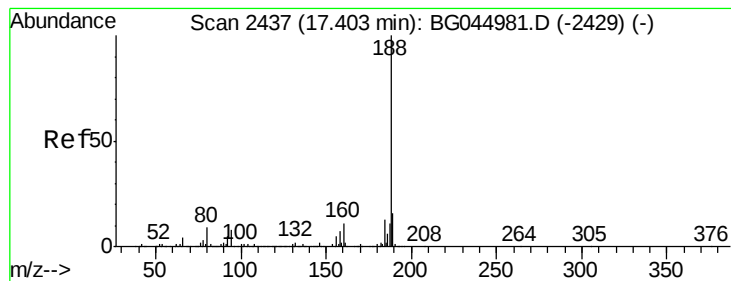
89 2.4 61.7 92.5#

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: BG045056.D

Acq: 18 Apr 2020 7:46

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-14

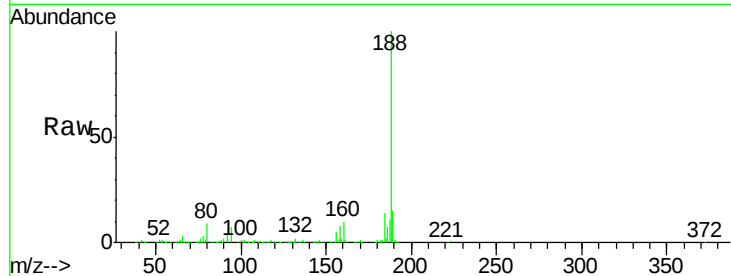
Tot Ion:188 Resp: 532724

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

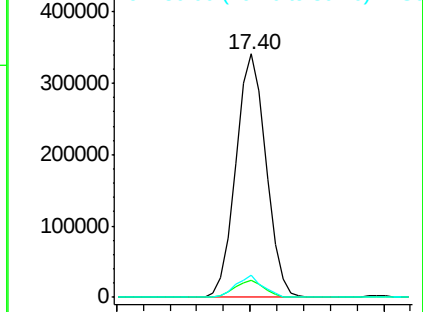
80 8.9 7.0 10.6



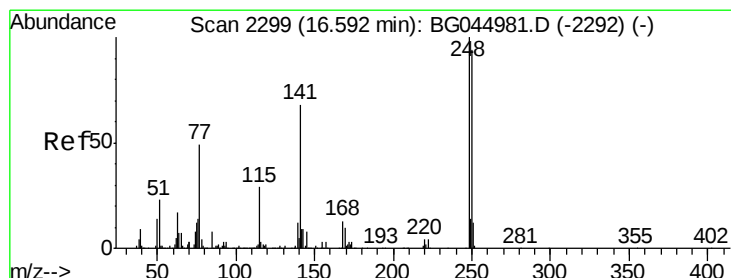
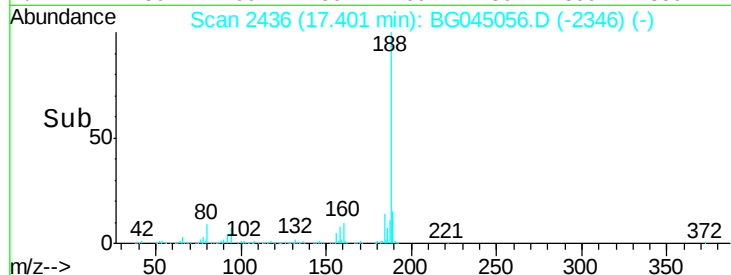
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.30 17.40 17.50



#67

4-Bromophenyl-phenylether

Concen: 4.526 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

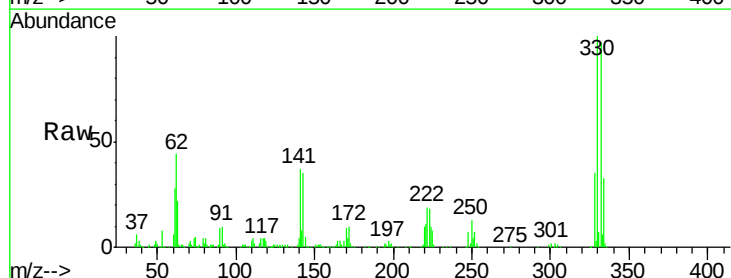
Tgt Ion:248 Resp: 31108

Ion Ratio Lower Upper

248 100

250 176.7 75.4 113.2#

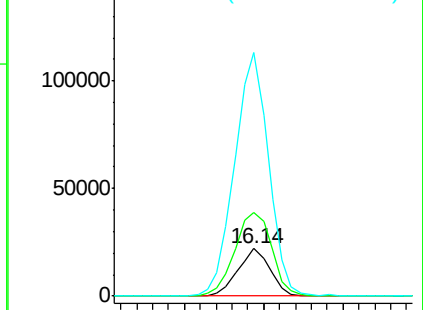
141 515.8 54.4 81.6#



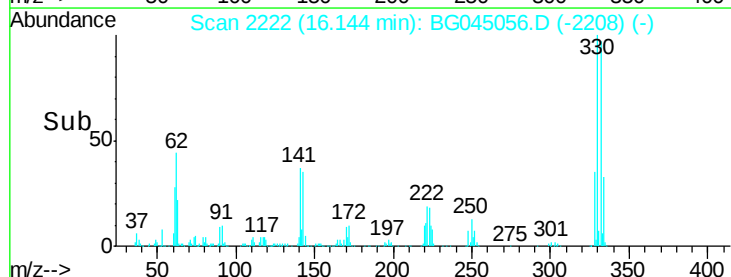
Abundance Ion 248.00 (247.70 to 248.70): E

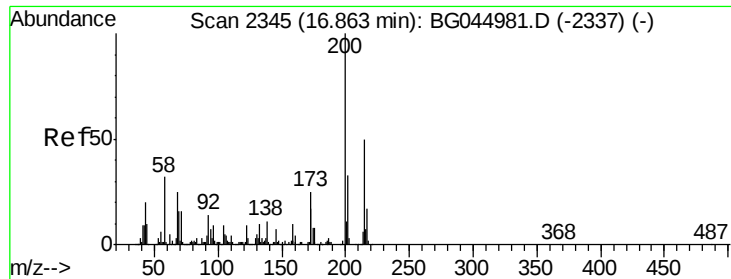
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.10 16.15 16.20





#69

Atrazine

Concen: Below Cal

RT: 16.81 min Scan# 2335

Delta R.T. -0.05 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-14

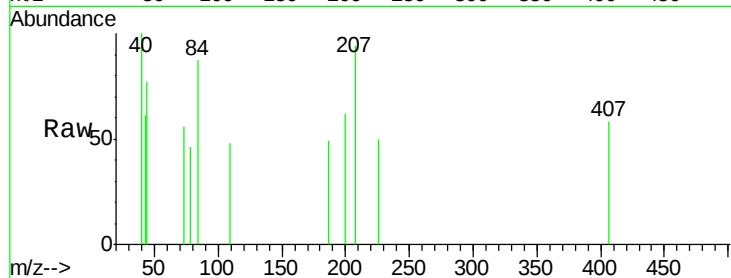
Tot Ion:200 Resp: 77

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

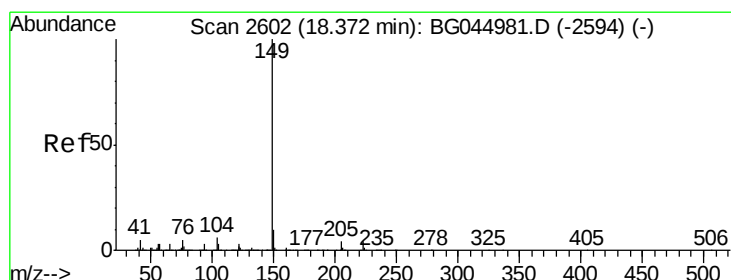
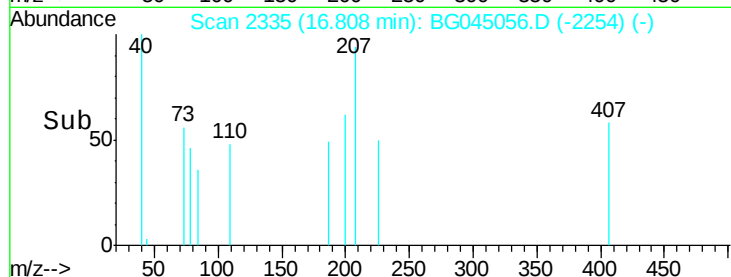
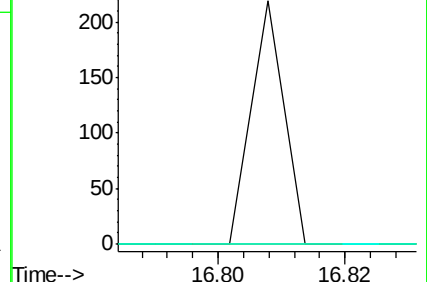
215 0.0 30.0 70.0#



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# 2601

Delta R.T. 0.00 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

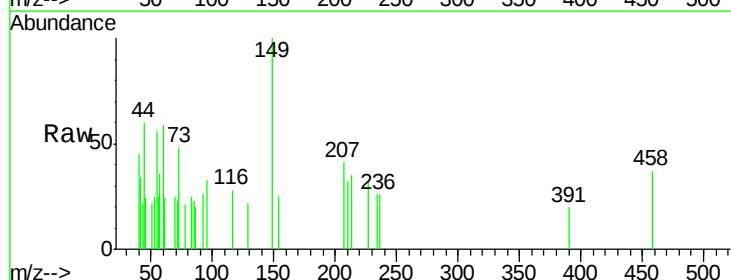
Tgt Ion:149 Resp: 902

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

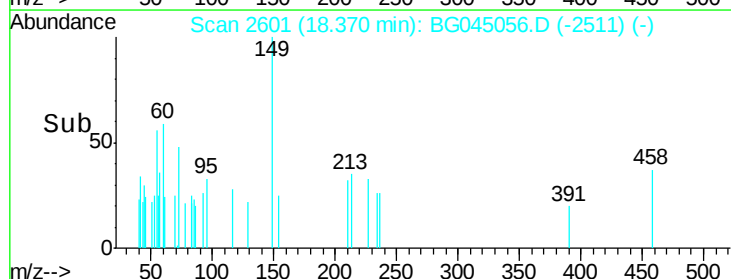
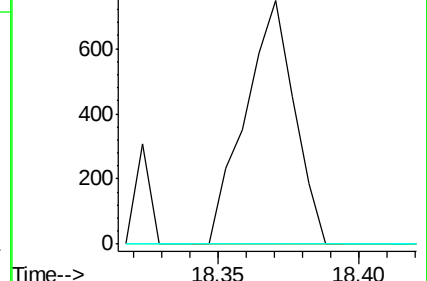
104 0.0 4.8 7.2#

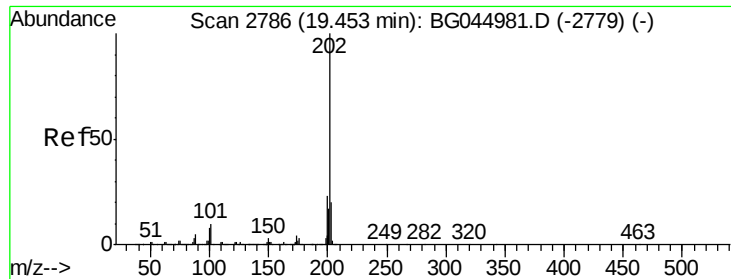


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.44 min Scan# 2783

Delta R.T. -0.01 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-14

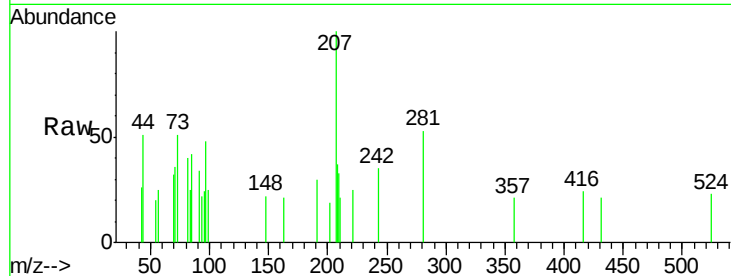
Tot Ion:202 Resp: 108

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

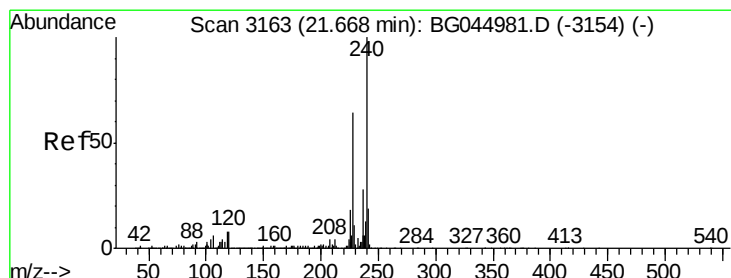
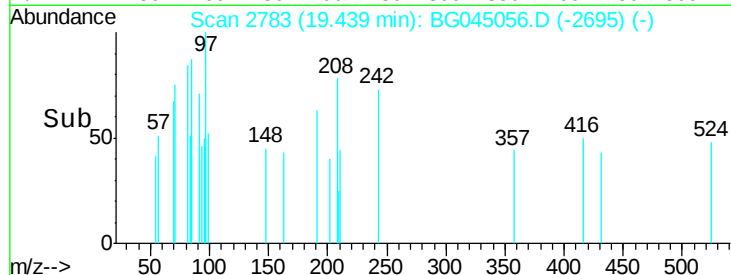
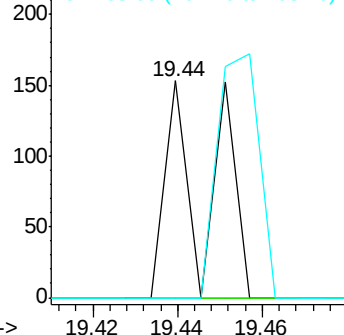
203 0.0 0.0 39.7



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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

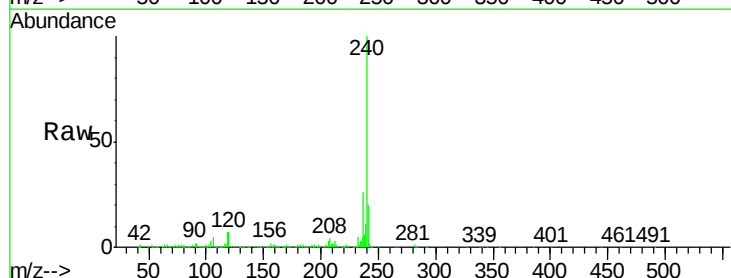
Tgt Ion:240 Resp: 501092

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

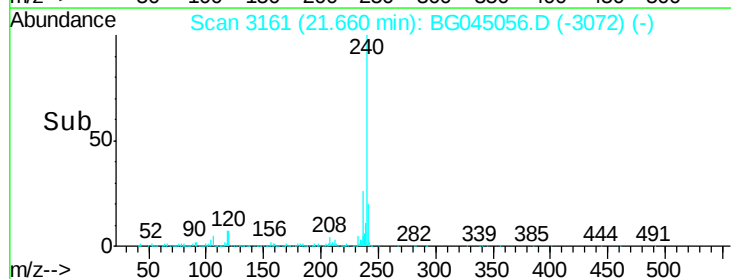
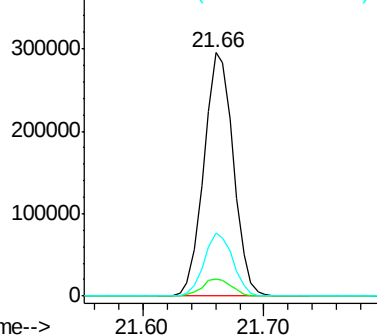
236 25.8 22.2 33.2



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: 20.02 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-14

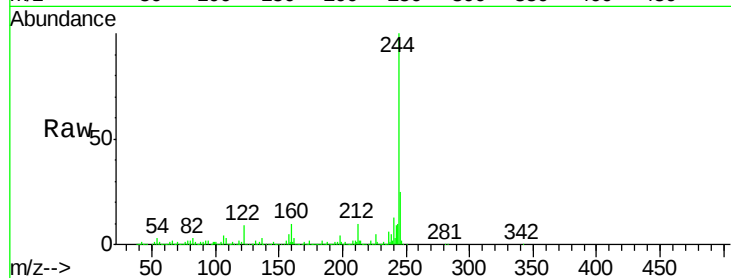
Tot Ion:184 Resp: 44369

Ion Ratio Lower Upper

184 100

185 18.3 12.6 19.0

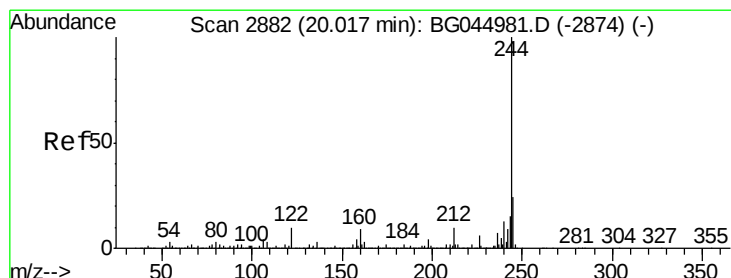
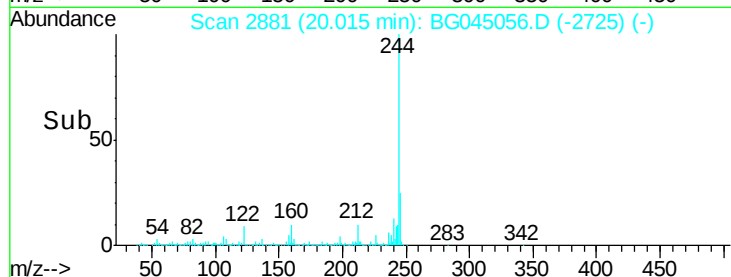
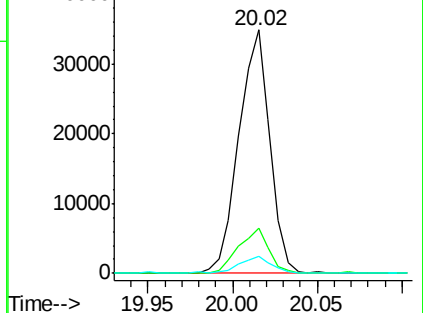
183 6.9 11.3 16.9#



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: 99.821 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG045056.D

Acq: 18 Apr 2020 7:46

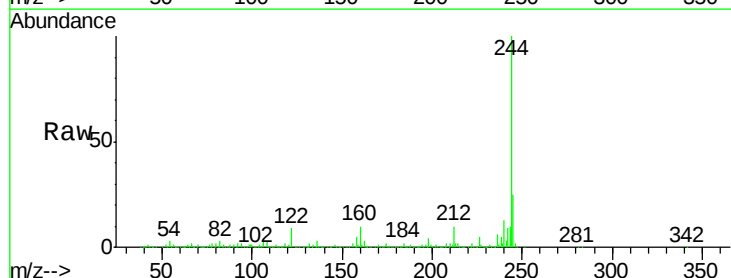
Tgt Ion:244 Resp: 2294928

Ion Ratio Lower Upper

244 100

212 10.5 7.9 11.9

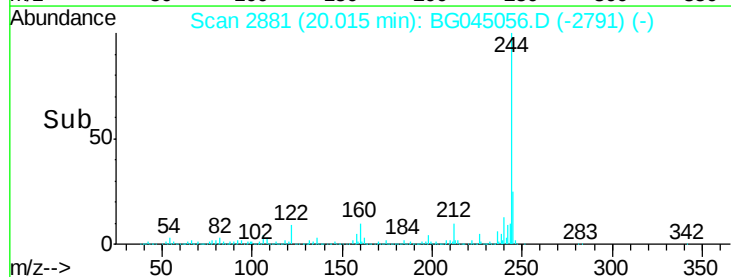
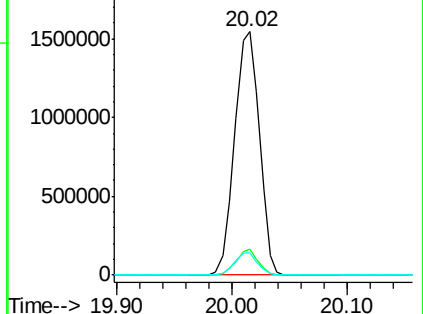
122 9.1 7.7 11.5

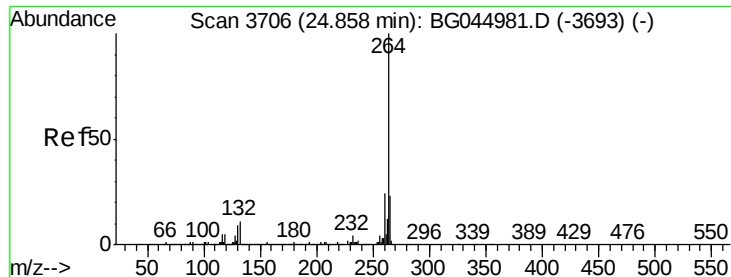


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG045056.D
 Acq: 18 Apr 2020 7:46

Instrument :
 BNA_G
 ClientSampleId :
 FB-2020-04-14

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.2	19.0	28.4

