

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045055.D
 Acq On : 18 Apr 2020 7:06
 Operator : CG/JU
 Sample : L2271-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB-2020-04-13

Quant Time: Apr 18 08:23:23 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	63663	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	282807	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	217191	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	523071	20.00	ng	0.00
76) Chrysene-d12	21.66	240	494794	20.00	ng	0.00
87) Perylene-d12	24.85	264	523433	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	200599	52.02	ng	0.00
7) Phenol-d6	7.18	99	194560	33.96	ng	0.00
23) Nitrobenzene-d5	9.18	82	546397	88.16	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	472397	140.79	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1357436	91.64	ng	0.00
79) Terphenyl-d14	20.01	244	2289931	100.87	ng	0.00

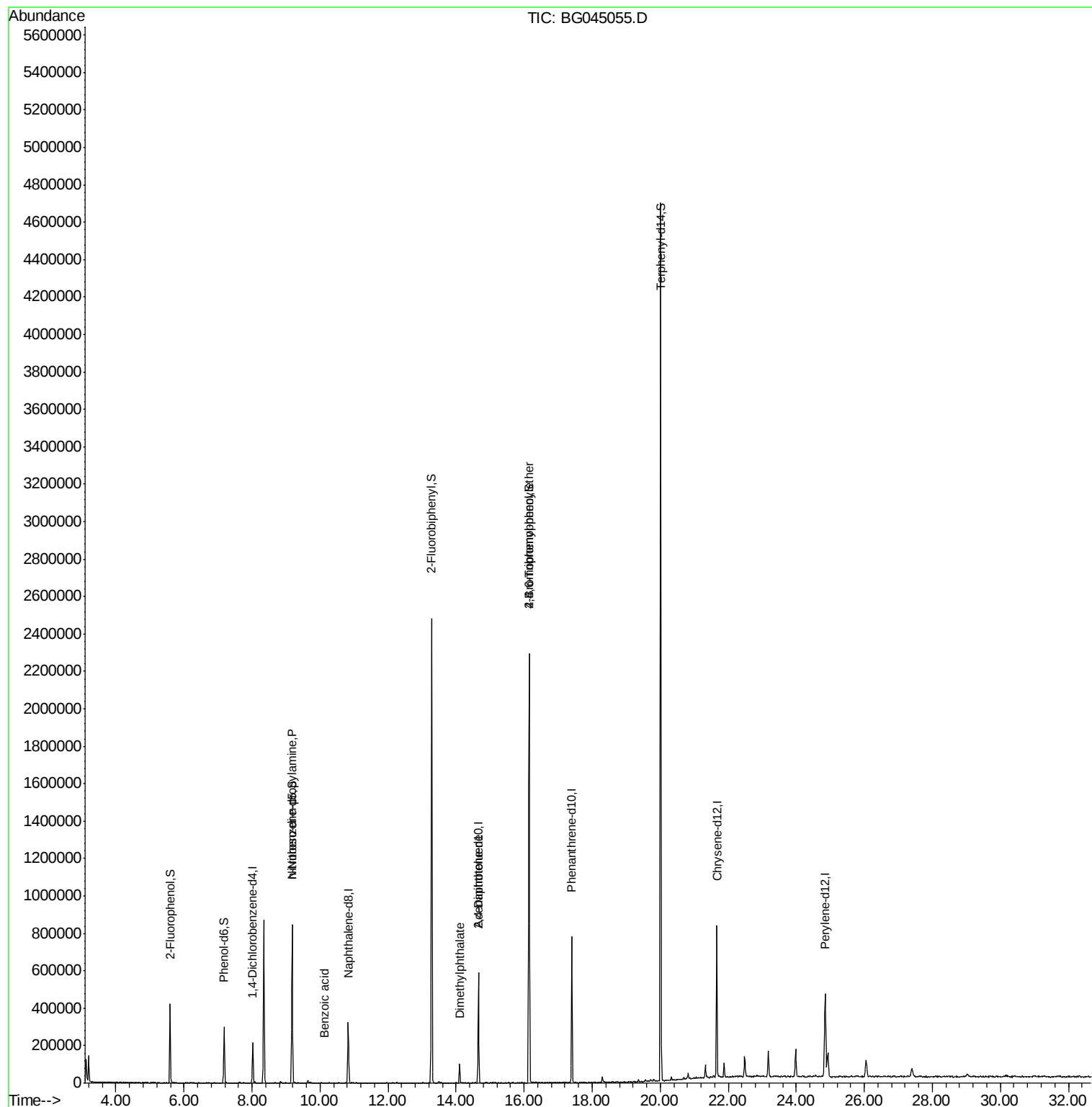
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	64	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	74680	18.432	ng	77
32) Benzoic acid	10.14	122	72	6.392	ng	1
50) Dimethylphthalate	14.10	163	70480	3.985	ng	99
57) 2,4-Dinitrotoluene	14.65	165	28211	4.880	ng	23
67) 4-Bromophenyl-phenylether	16.15	248	32030	4.747	ng	1
69) Atrazine	16.85	200	66	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	1681	Below Cal	#	76
75) Fluoranthene	19.52	202	57	Below Cal	#	62
77) Benzidine	20.02	184	45127	Below Cal	#	90

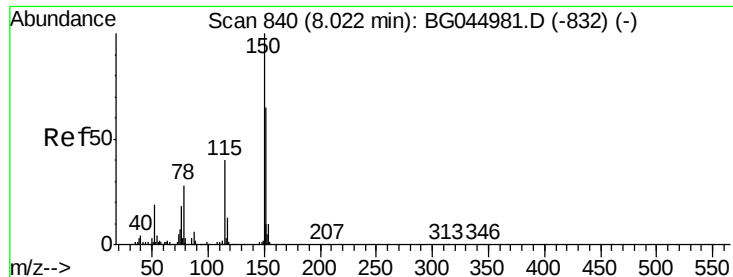
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG045055.D

Acq: 18 Apr 2020 7:06

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-13

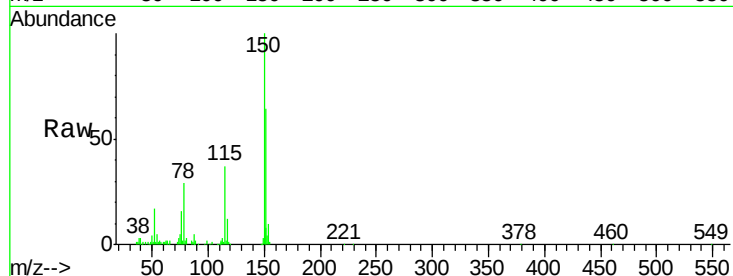
Tot Ion:152 Resp: 63663

Ion Ratio Lower Upper

152 100

150 156.5 123.6 185.4

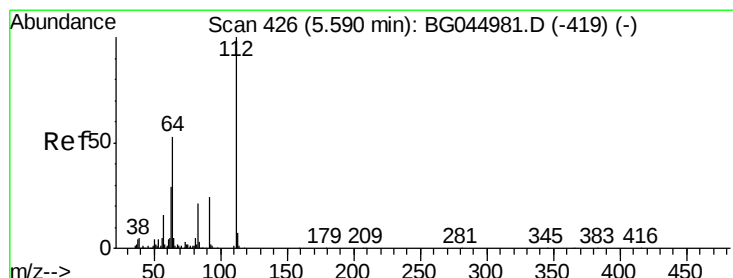
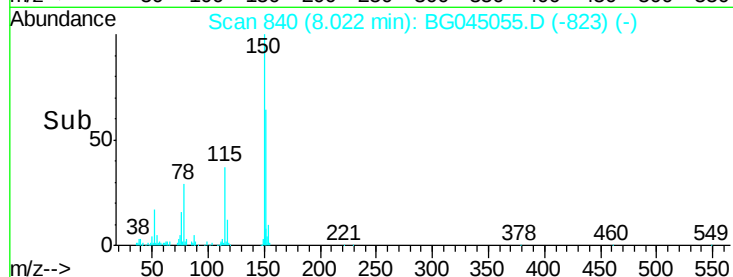
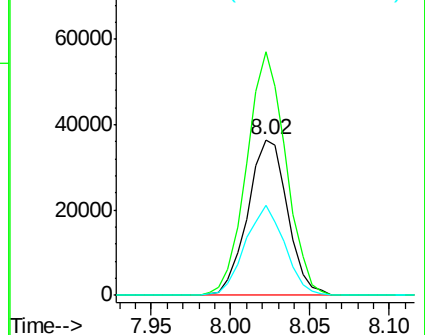
115 57.9 49.1 73.7



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: 52.020 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

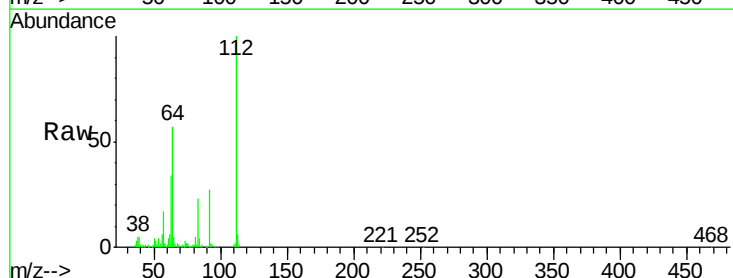
Tgt Ion:112 Resp: 200599

Ion Ratio Lower Upper

112 100

64 57.1 42.4 63.6

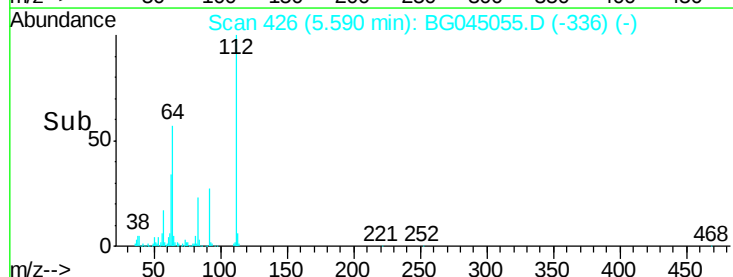
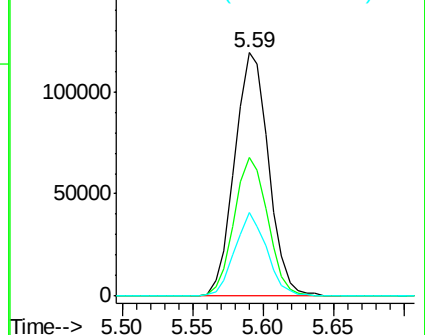
63 34.4 23.1 34.7

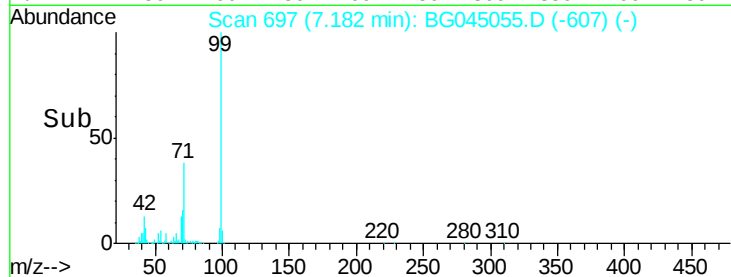
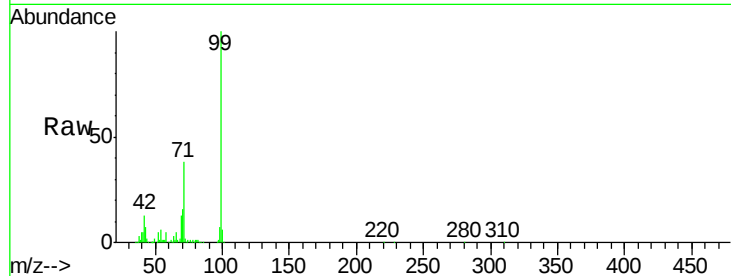


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 33.959 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-13

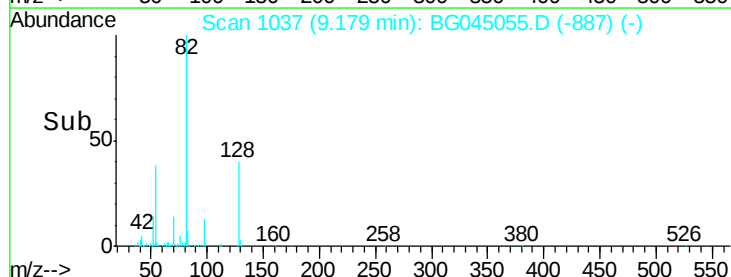
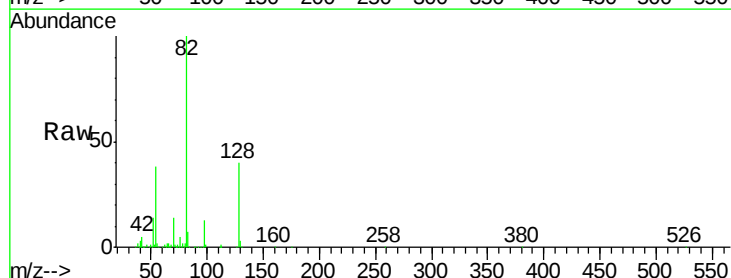
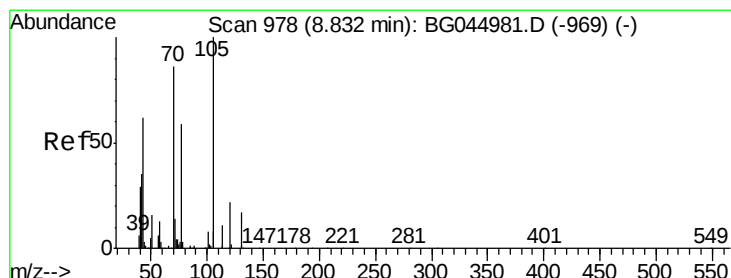
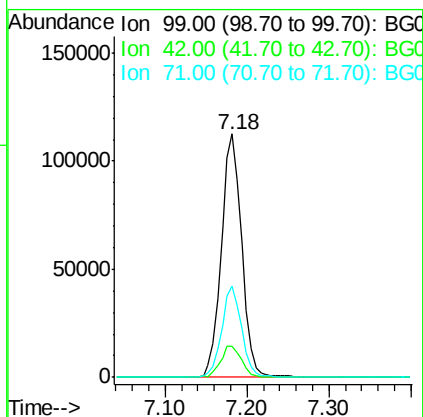
Tot Ion: 99 Resp: 194560

Ion Ratio Lower Upper

99 100

42 12.8 11.3 16.9

71 37.6 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 18.432 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

Tgt Ion: 70 Resp: 74680

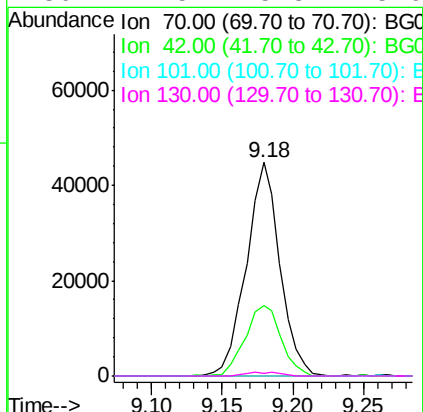
Ion Ratio Lower Upper

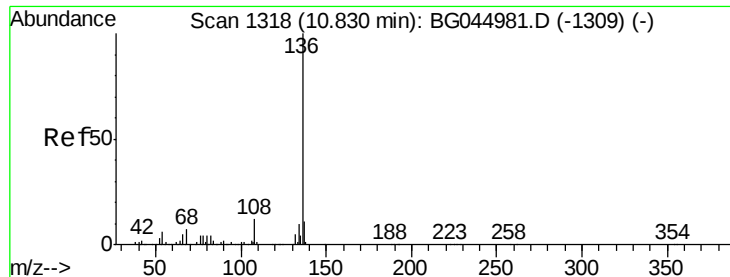
70 100

42 33.1 33.3 49.9#

101 0.0 7.8 11.8#

130 1.5 15.8 23.6#

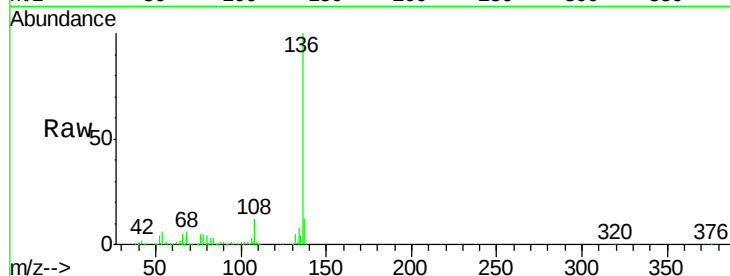




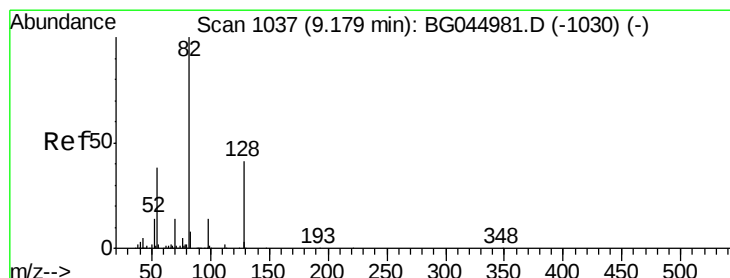
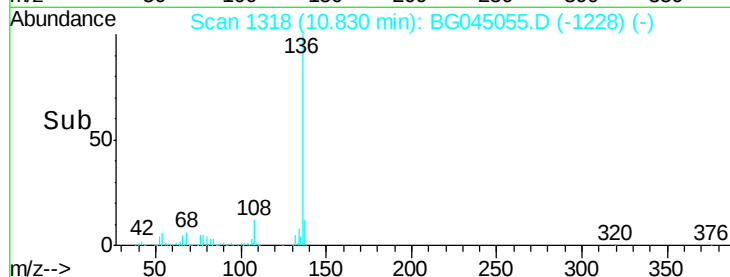
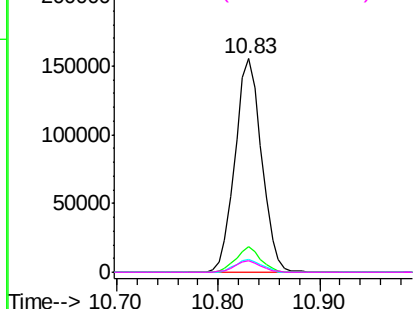
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045055.D
Acq: 18 Apr 2020 7:06

Instrument :
BNA_G
ClientSampleId :
FB-2020-04-13

Tot Ion:136	Resp:	282807
Ion Ratio	Lower	Upper
136	100	
137	11.9	8.6 13.0
54	5.9	4.8 7.2
68	5.7	5.2 7.8

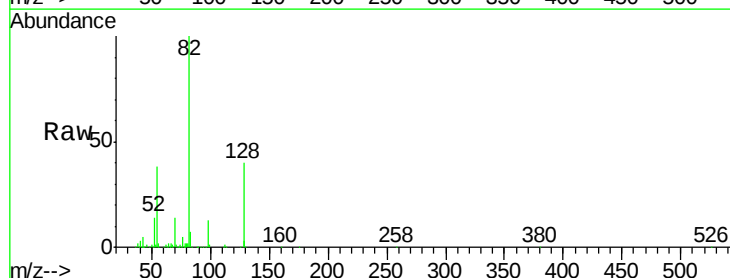


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

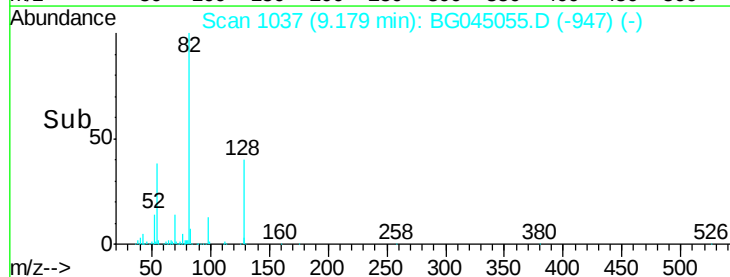
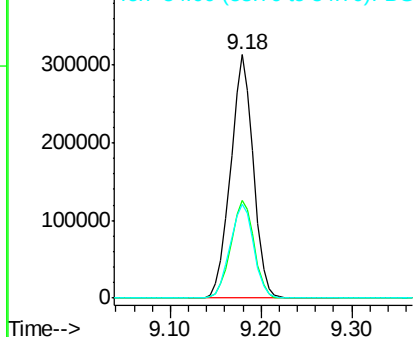


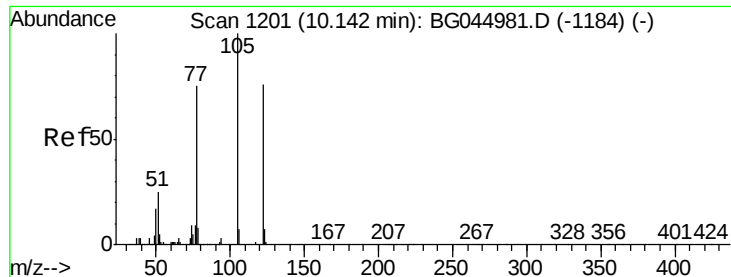
#23
Nitrobenzene-d5
Concen: 88.157 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045055.D
Acq: 18 Apr 2020 7:06

Tgt Ion: 82	Resp:	546397
Ion Ratio	Lower	Upper
82	100	
128	40.2	33.0 49.4
54	38.5	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

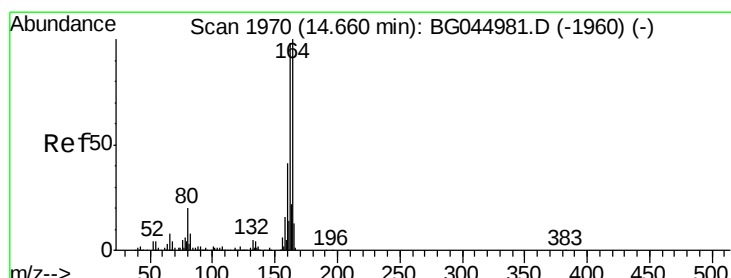
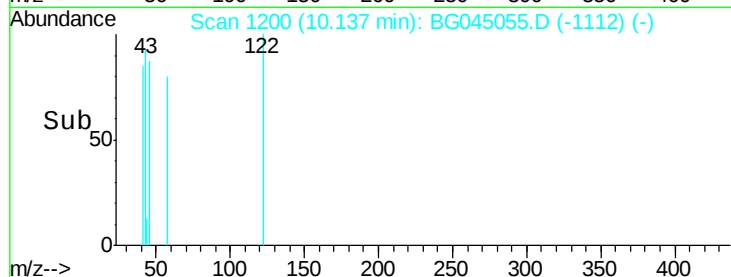
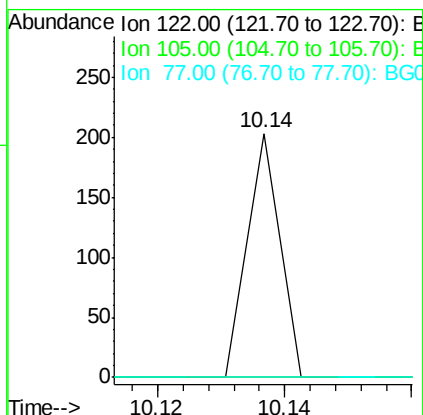
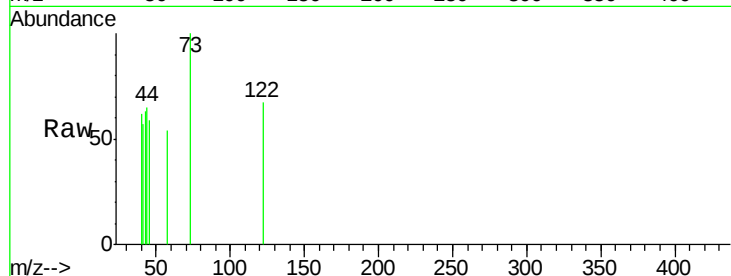




#32
Benzoic acid
Concen: 6.392 ng
RT: 10.14 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BG045055.D
Acq: 18 Apr 2020 7:06

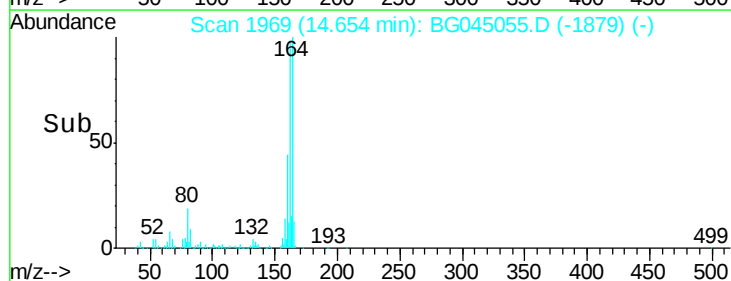
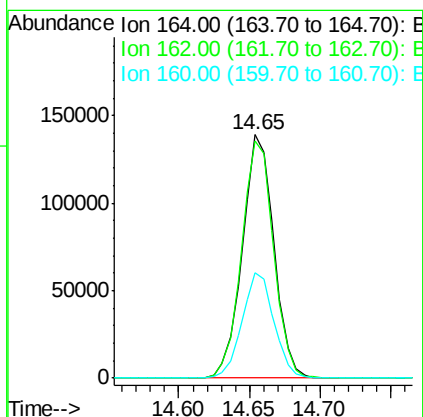
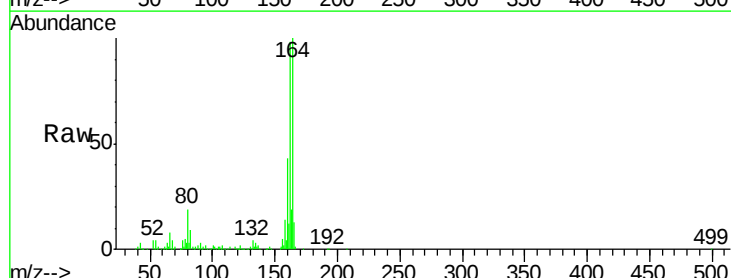
Instrument :
BNA_G
ClientSampleId :
FB-2020-04-13

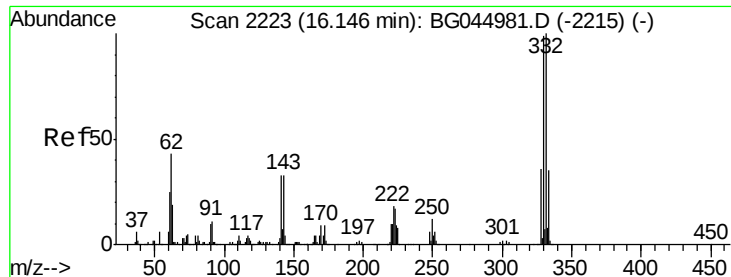
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045055.D
Acq: 18 Apr 2020 7:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.5	78.7	118.1
160	43.3	32.8	49.2

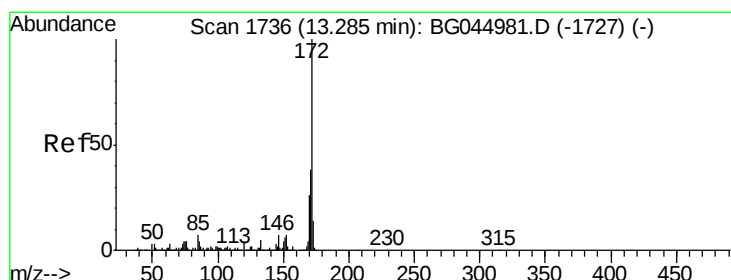
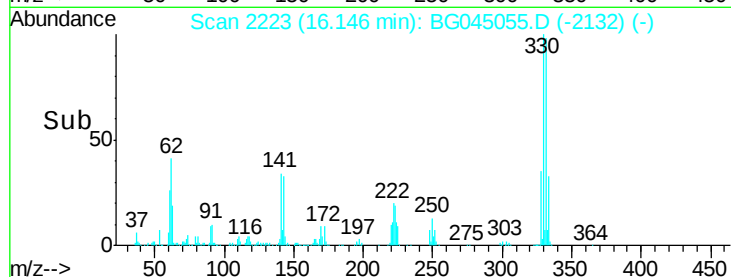
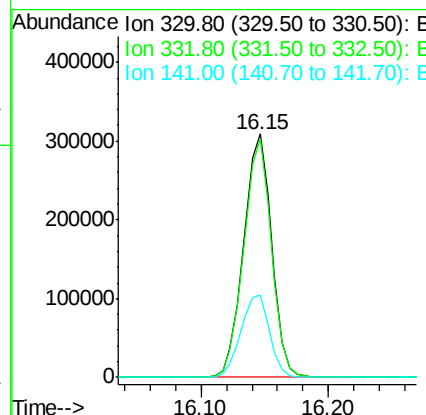
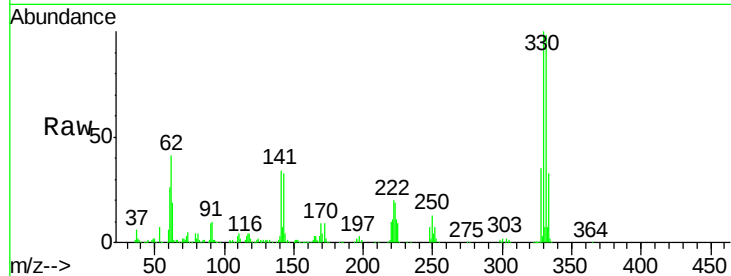




#42
 2,4,6-Tribromophenol
 Concen: 140.791 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045055.D
 Acq: 18 Apr 2020 7:06

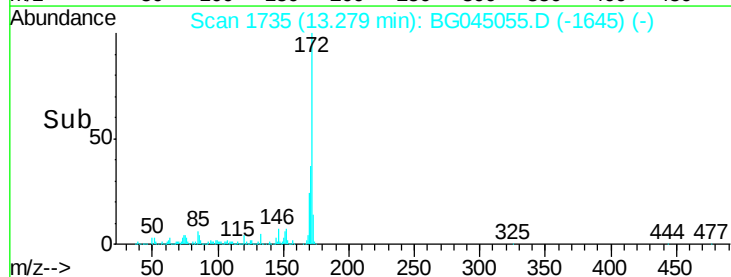
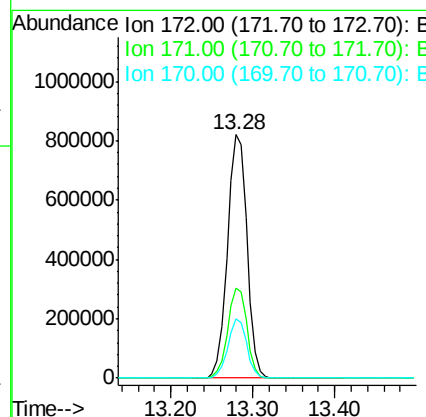
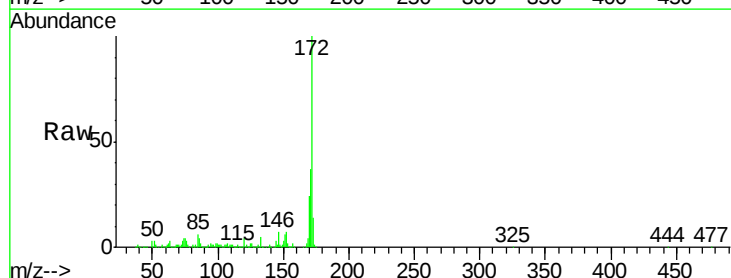
Instrument :
 BNA_G
 ClientSampleId :
 FB-2020-04-13

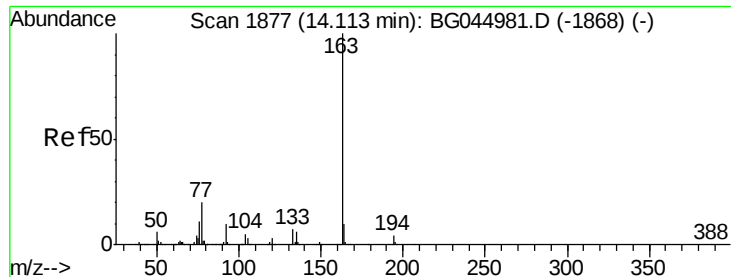
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	79.1	118.7
141	34.6	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 91.644 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045055.D
 Acq: 18 Apr 2020 7:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.6	46.0
170	24.2	20.5	30.7





#50

Dimethylphthalate

Concen: 3.985 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-13

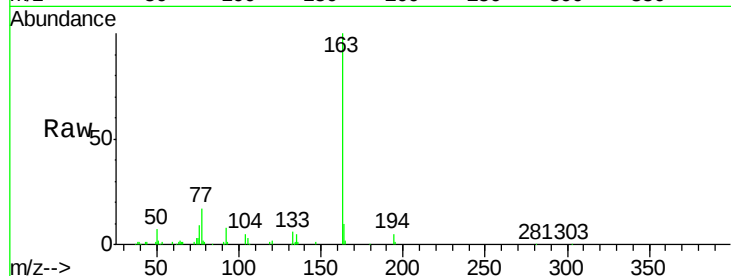
Tot Ion:163 Resp: 70480

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

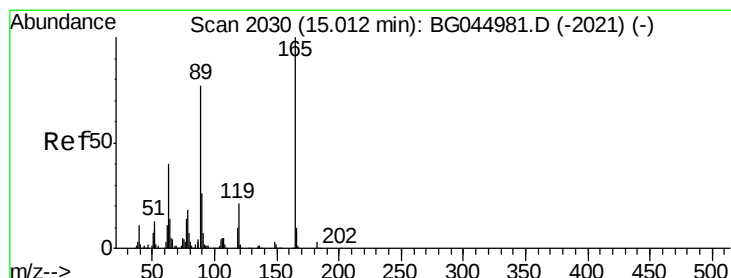
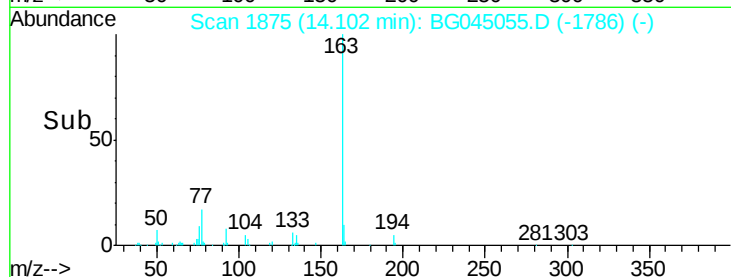
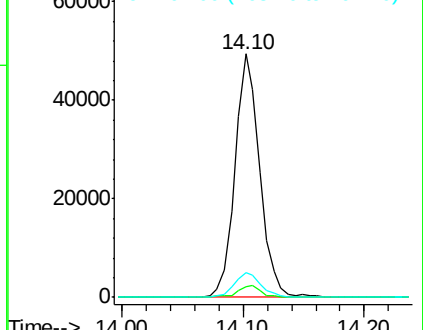
164 10.0 8.2 12.4



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: 4.880 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.36 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

Tgt Ion:165 Resp: 28211

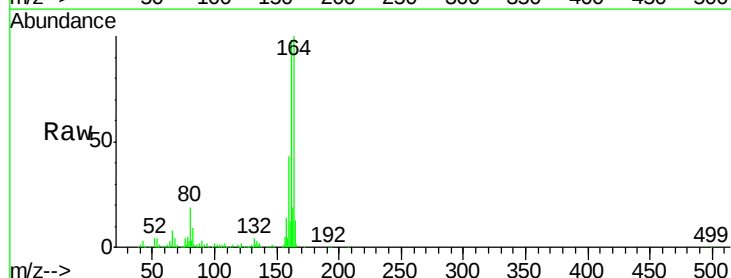
Ion Ratio Lower Upper

165 100

63 1.7 32.2 48.2#

89 1.7 61.7 92.5#

182 0.0 2.0 3.0#

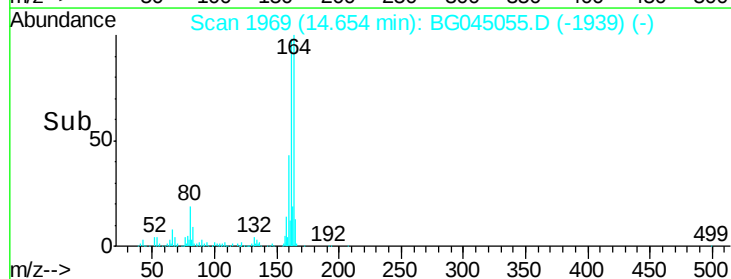
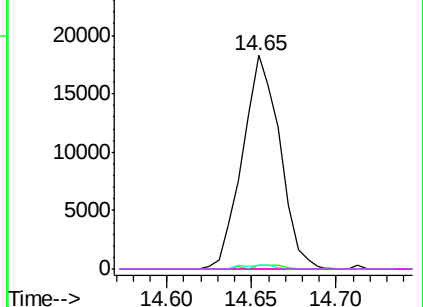


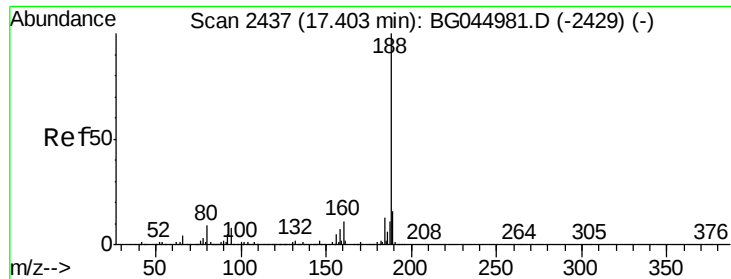
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2437

Delta R.T. 0.00 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-13

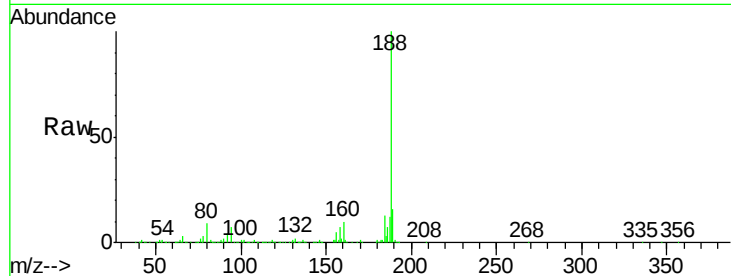
Tot Ion:188 Resp: 523071

Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.4

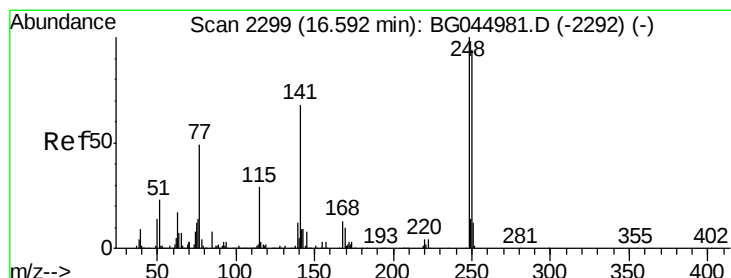
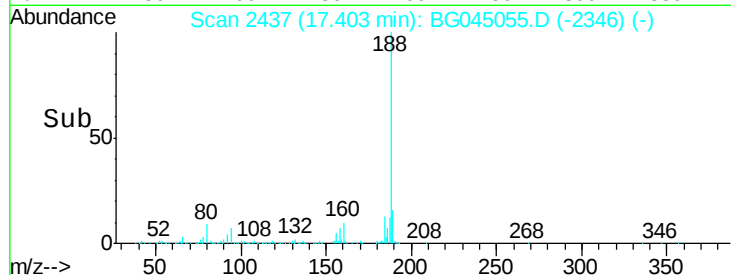
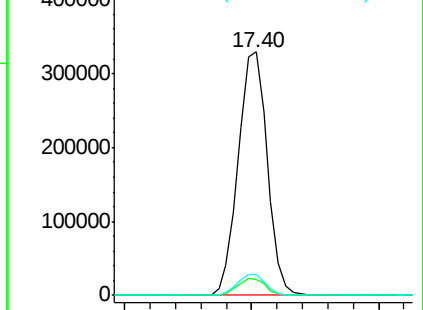
80 8.5 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.747 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

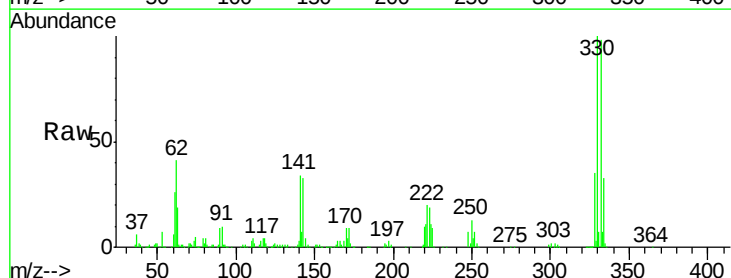
Tgt Ion:248 Resp: 32030

Ion Ratio Lower Upper

248 100

250 193.5 75.4 113.2#

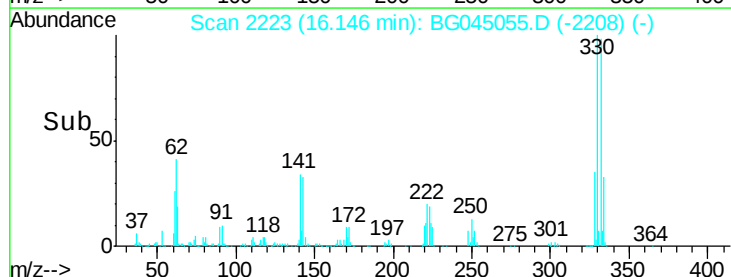
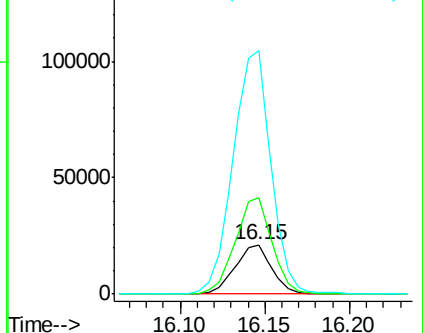
141 491.4 54.4 81.6#

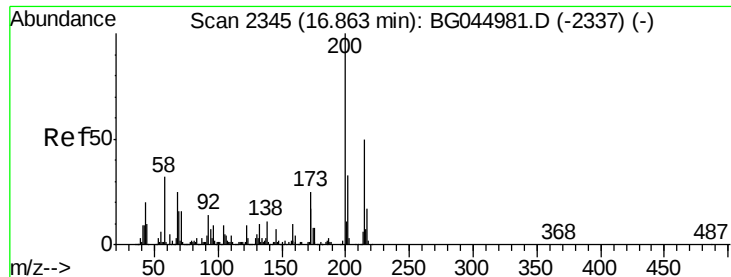


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2343

Delta R.T. -0.01 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-13

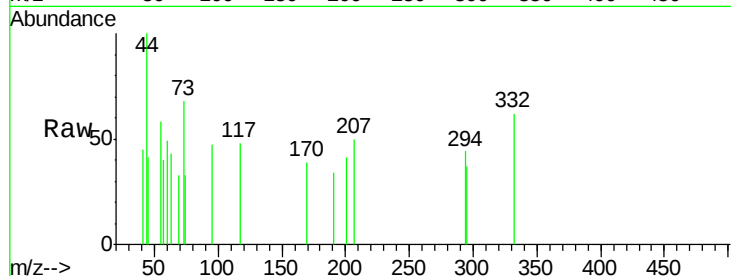
Tot Ion:200 Resp: 66

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

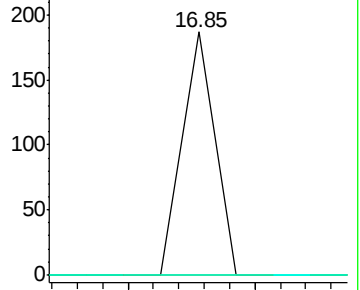
215 0.0 30.0 70.0#



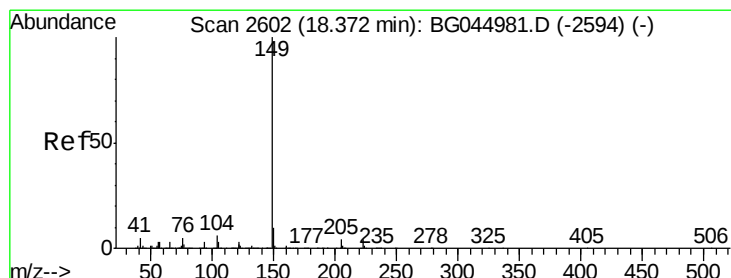
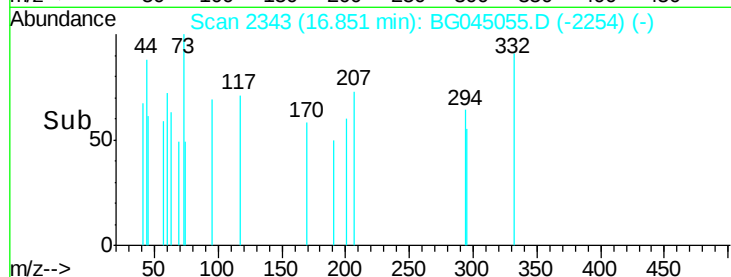
Abundance Ion 200.00 (199.70 to 200.70): E

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: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

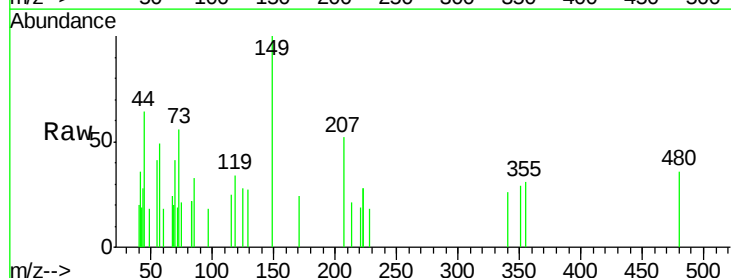
Tgt Ion:149 Resp: 1681

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

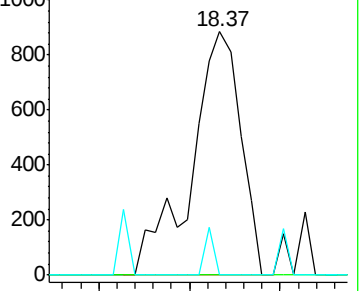
104 0.0 4.8 7.2#



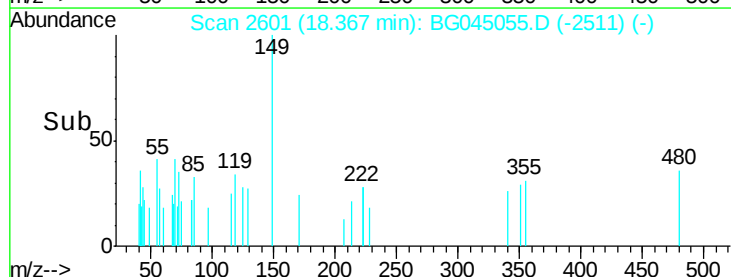
Abundance Ion 149.00 (148.70 to 149.70): E

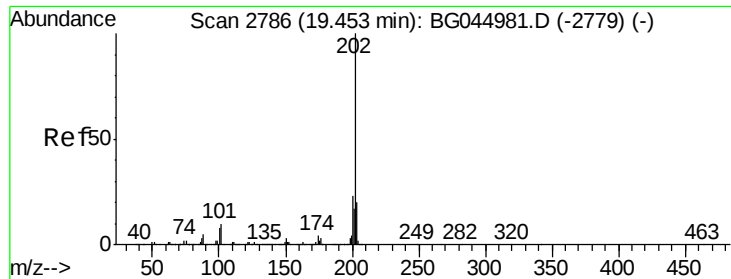
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.52 min Scan# 2797

Delta R.T. 0.07 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

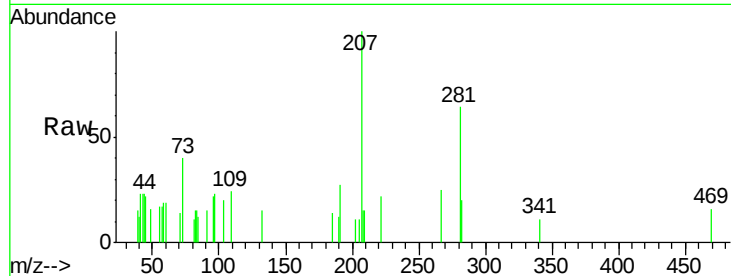
Instrument :

BNA_G

ClientSampleId :

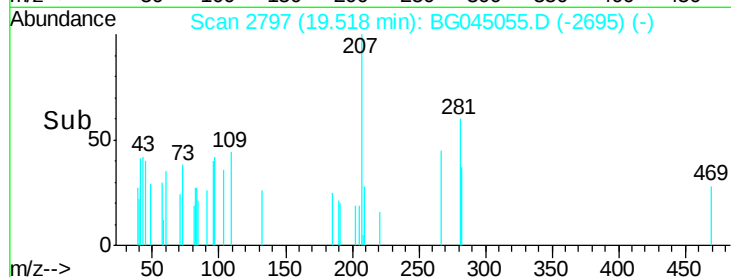
FB-2020-04-13

Tot Ion:	202	Resp:	57
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7

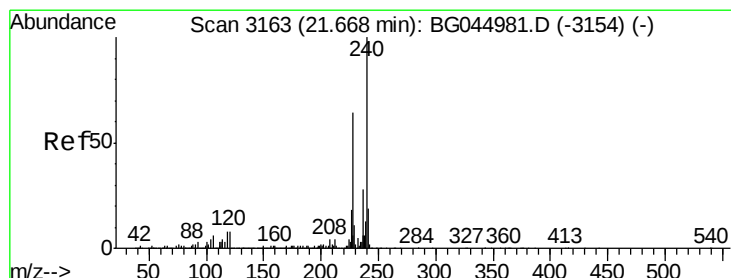


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

19.52



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

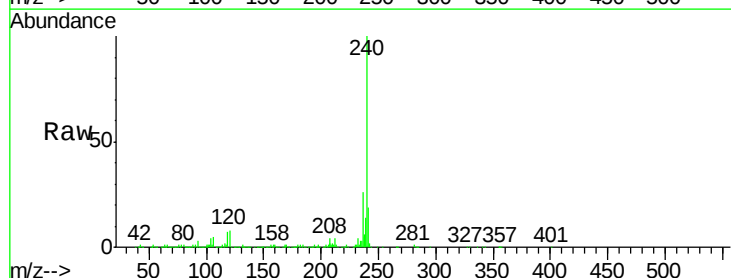
RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045055.D

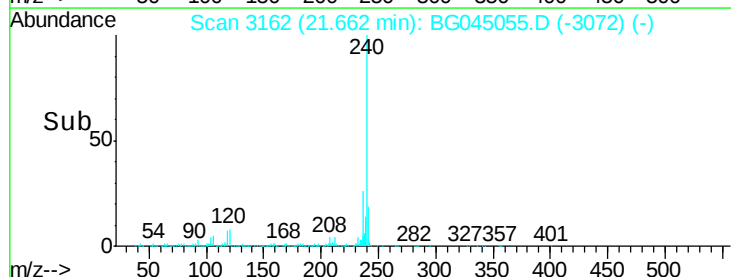
Acq: 18 Apr 2020 7:06

Tgt Ion:	240	Resp:	494794
Ion	Ratio	Lower	Upper
240	100		
120	8.0	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

21.66



Time-->



#77

Benzidine

Concen: Below Cal

RT: 20.02 min Scan# 2882

Delta R.T. 0.39 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-13

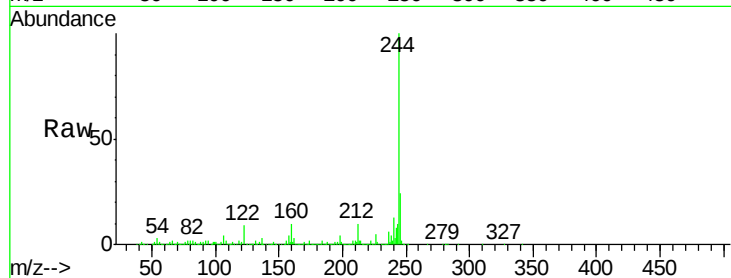
Tot Ion:184 Resp: 45127

Ion Ratio Lower Upper

184 100

185 16.7 12.6 19.0

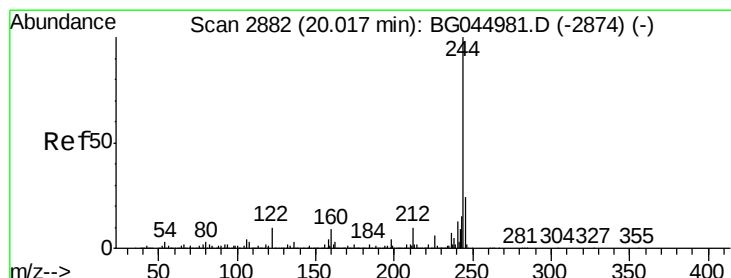
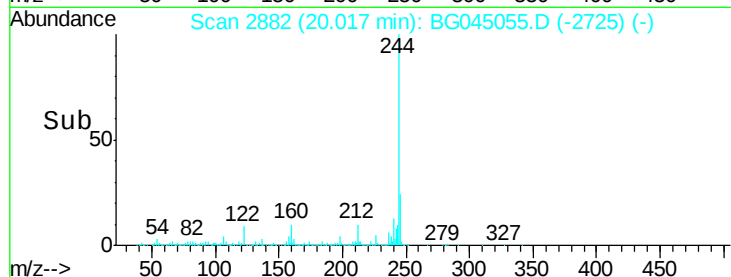
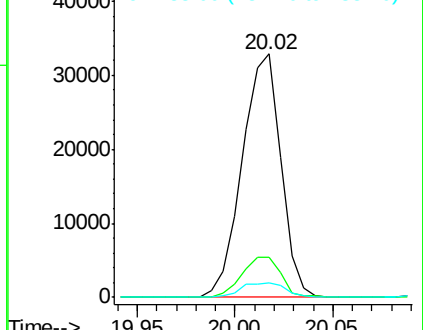
183 6.2 11.3 16.9#



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: 100.871 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

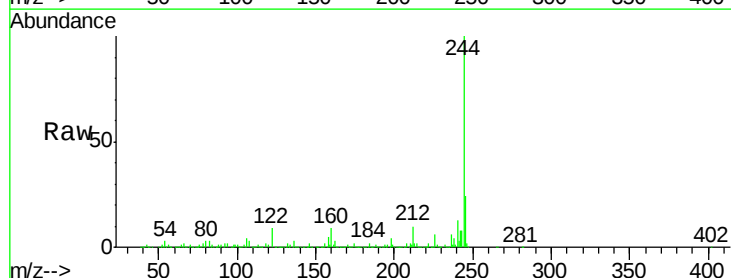
Tgt Ion:244 Resp: 2289931

Ion Ratio Lower Upper

244 100

212 9.7 7.9 11.9

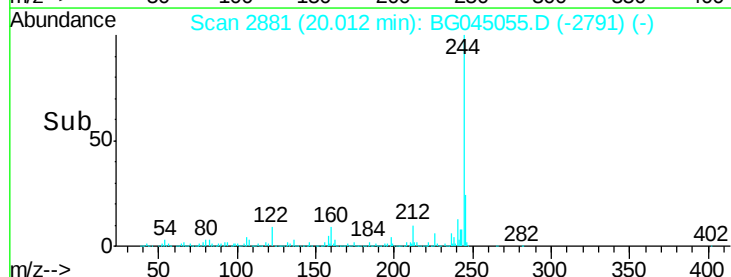
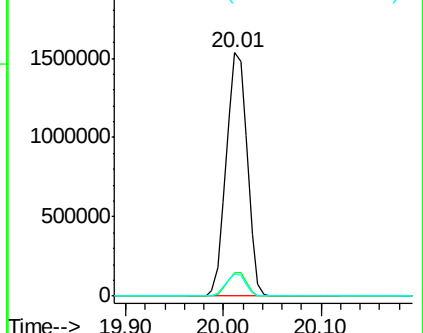
122 9.1 7.7 11.5

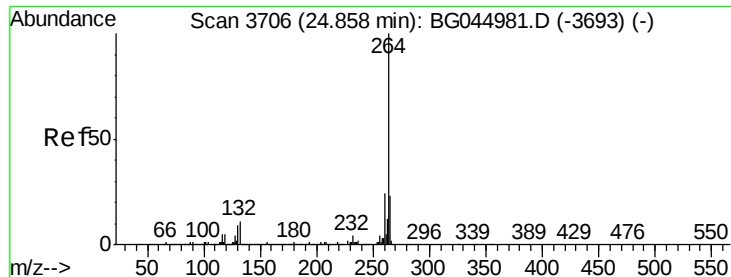


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3705

Delta R.T. -0.00 min

Lab File: BG045055.D

Acq: 18 Apr 2020 7:06

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-13

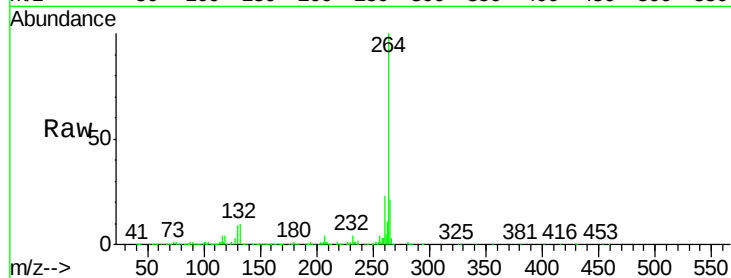
Tot Ion:264 Resp: 523433

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.2 19.0 28.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

