

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045057.D
 Acq On : 18 Apr 2020 8:25
 Operator : CG/JU
 Sample : L2314-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB-2020-04-15

Quant Time: Apr 18 09:13:32 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	61242	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	271132	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	211269	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	514561	20.00	ng	0.00
76) Chrysene-d12	21.66	240	478588	20.00	ng	0.00
87) Perylene-d12	24.85	264	518550	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	219788	59.25	ng	0.00
7) Phenol-d6	7.18	99	211549	38.38	ng	0.00
23) Nitrobenzene-d5	9.18	82	566564	95.35	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	484266	148.37	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1390153	96.48	ng	0.00
79) Terphenyl-d14	20.01	244	2294372	104.49	ng	0.00

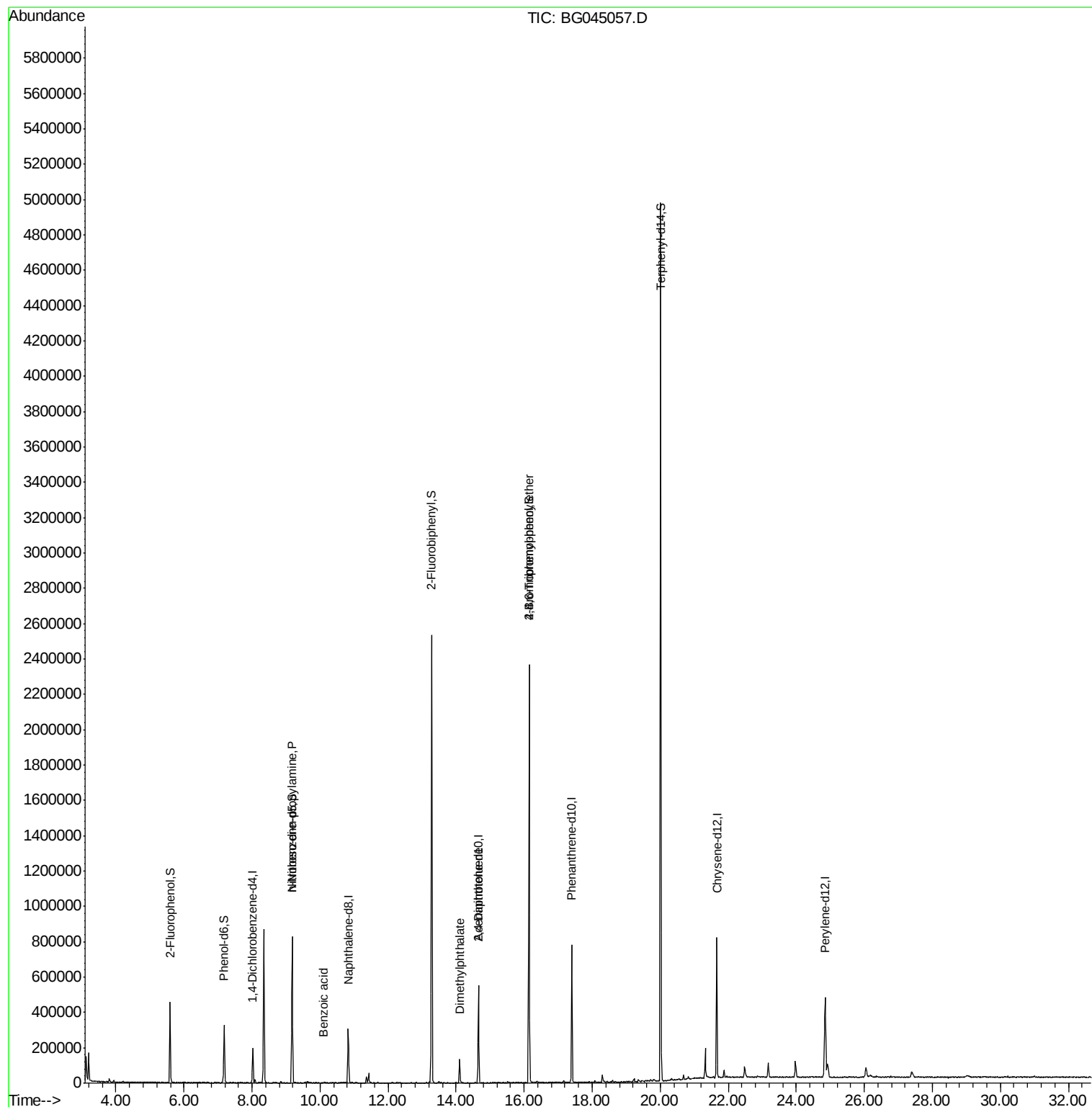
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	2529	Below Cal		97
19) n-Nitroso-di-n-propylamine	9.18	70	77103	19.782 ng	#	78
32) Benzoic acid	10.11	122	54	6.388 ng	#	1
50) Dimethylphthalate	14.10	163	94352	5.485 ng		98
57) 2,4-Dinitrotoluene	14.65	165	29245	5.201 ng	#	23
67) 4-Bromophenyl-phenylether	16.15	248	32699	4.926 ng	#	1
69) Atrazine	16.73	200	107	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	1403	Below Cal	#	76
75) Fluoranthene	19.39	202	63	Below Cal		62
77) Benzidine	20.01	184	48130	Below Cal	#	90

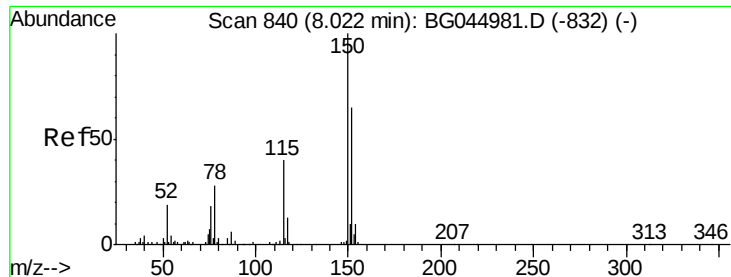
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG045057.D

Acq: 18 Apr 2020 8:25

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-15

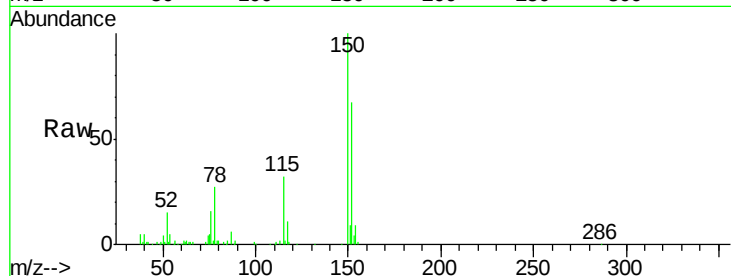
Tot Ion:152 Resp: 61242

Ion Ratio Lower Upper

152 100

150 150.1 123.6 185.4

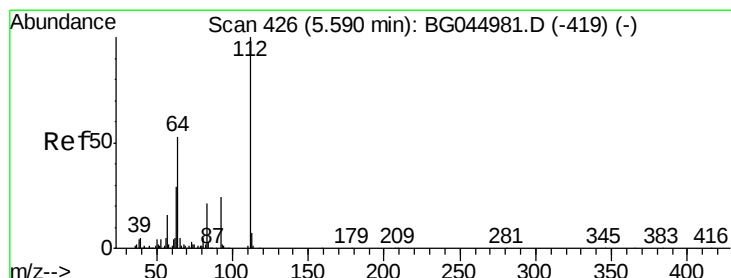
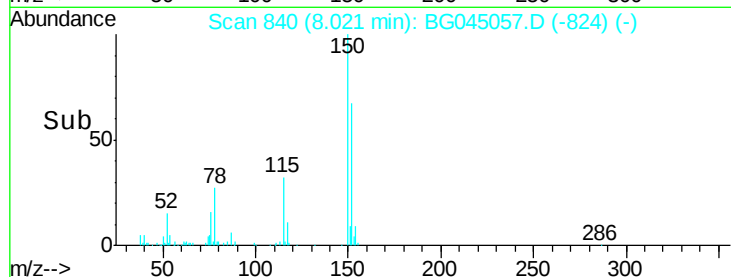
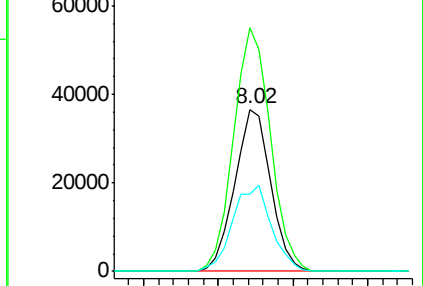
115 47.9 49.1 73.7#



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: 59.250 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

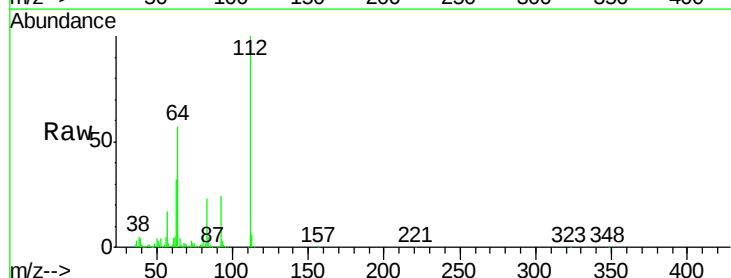
Tgt Ion:112 Resp: 219788

Ion Ratio Lower Upper

112 100

64 56.9 42.4 63.6

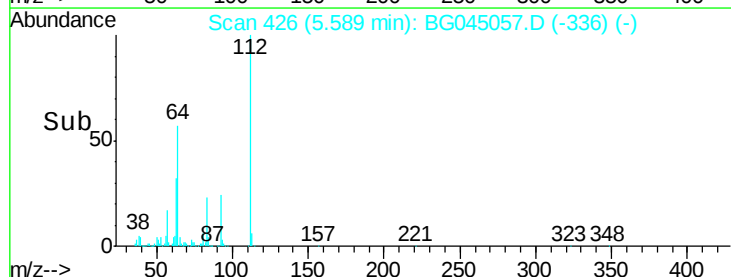
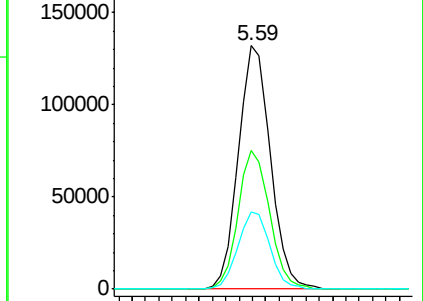
63 31.7 23.1 34.7

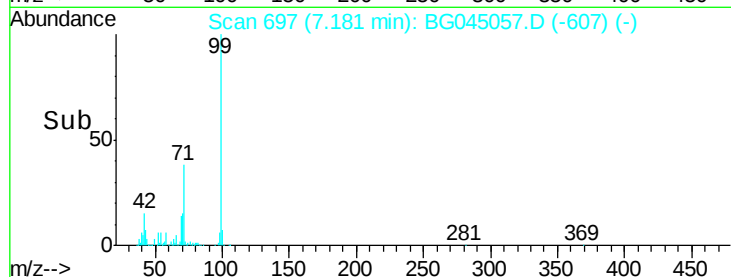
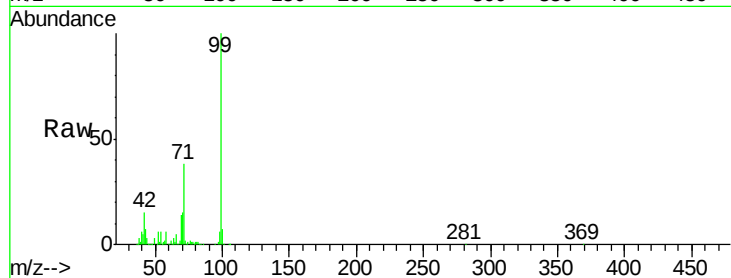
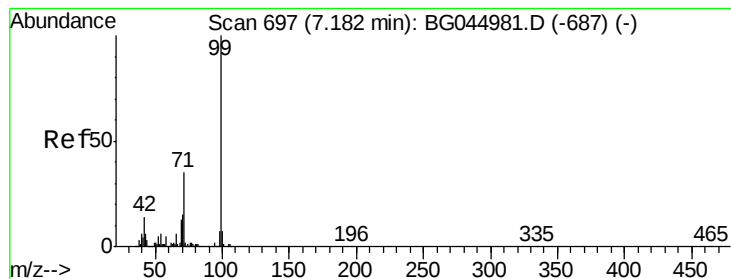


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 38.384 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-15

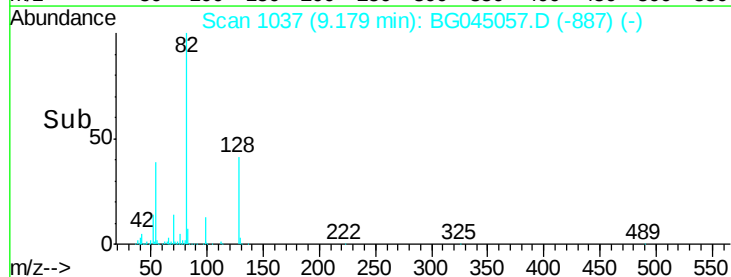
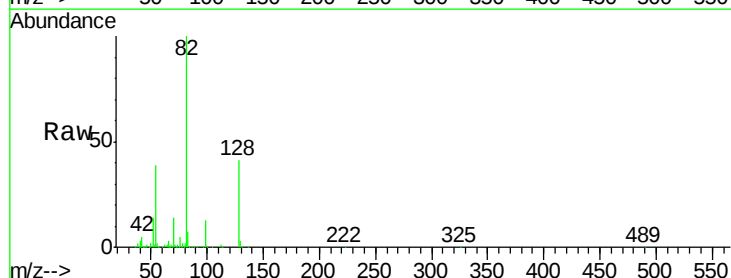
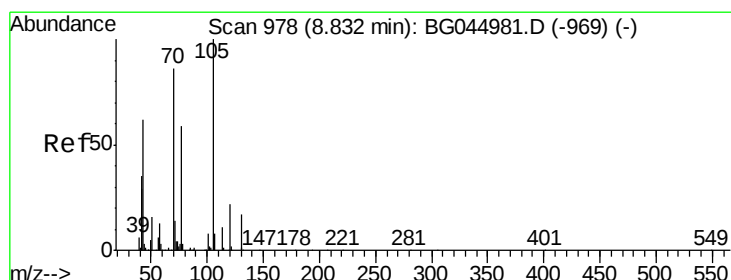
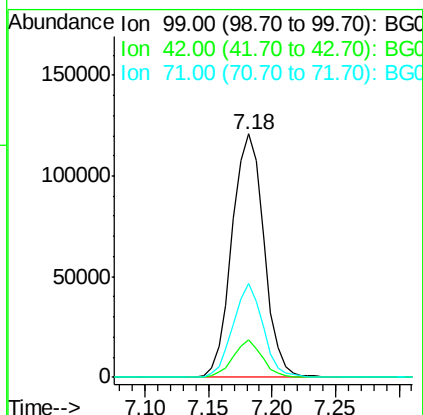
Tot Ion: 99 Resp: 211549

Ion Ratio Lower Upper

99 100

42 15.5 11.3 16.9

71 38.5 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 19.782 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

Tgt Ion: 70 Resp: 77103

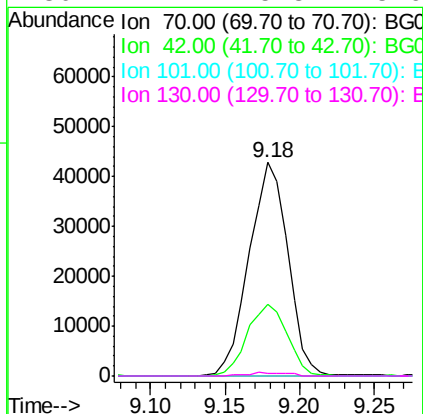
Ion Ratio Lower Upper

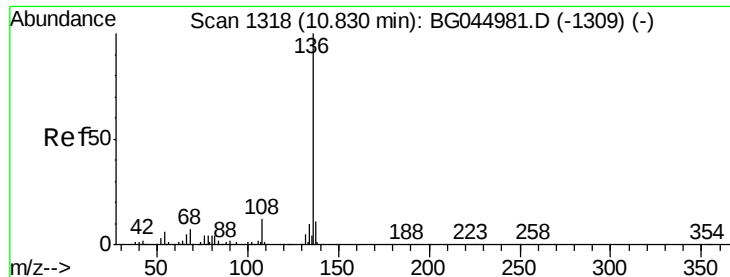
70 100

42 33.5 33.3 49.9

101 0.0 7.8 11.8#

130 1.4 15.8 23.6#

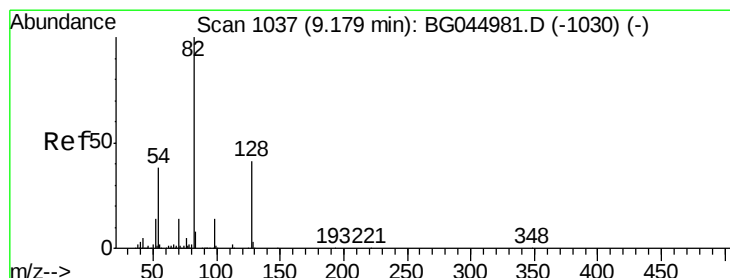
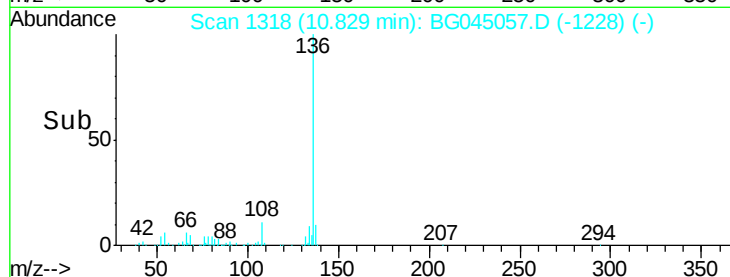
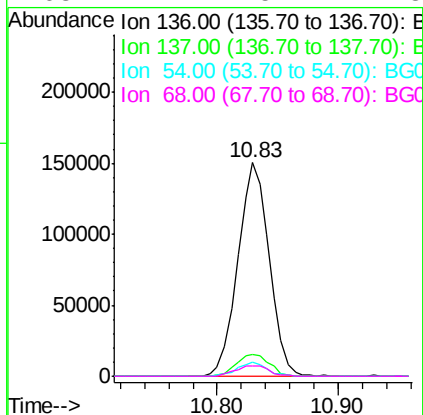
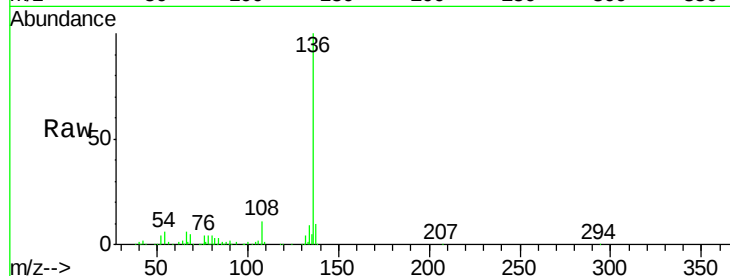




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045057.D
Acq: 18 Apr 2020 8:25

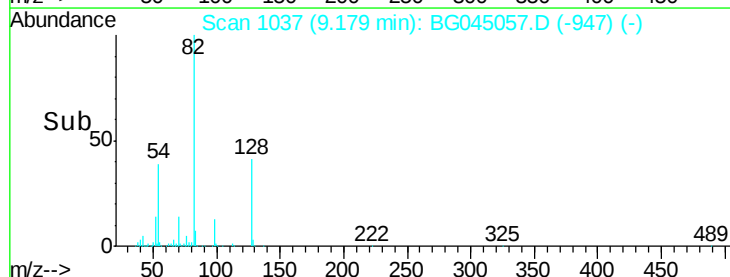
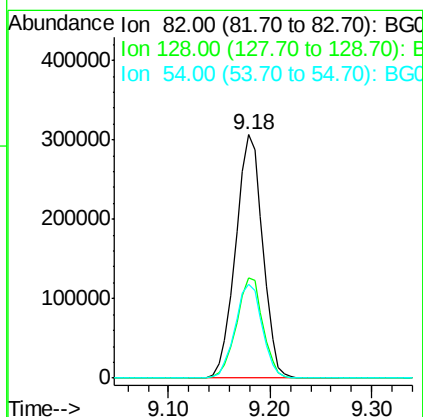
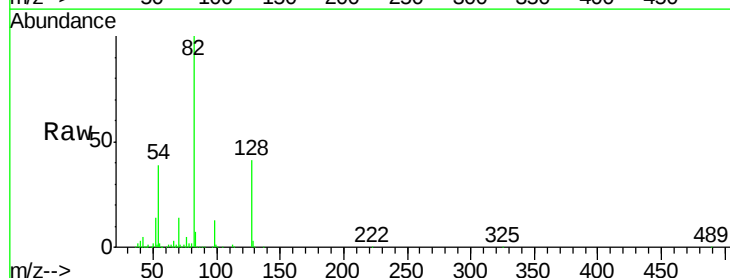
Instrument :
BNA_G
ClientSampleId :
FB-2020-04-15

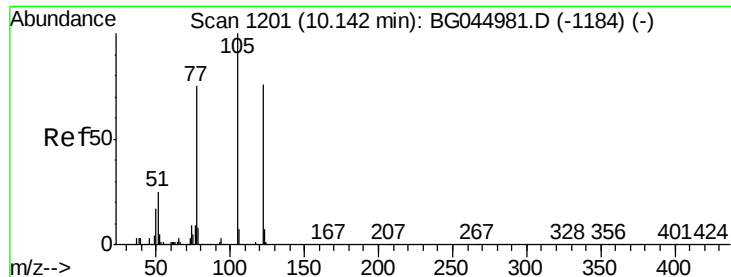
Tot Ion:136	Resp:	271132
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.6 13.0
54	6.4	4.8 7.2
68	4.7	5.2 7.8#



#23
Nitrobenzene-d5
Concen: 95.347 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045057.D
Acq: 18 Apr 2020 8:25

Tgt Ion: 82	Resp:	566564
Ion Ratio	Lower	Upper
82	100	
128	41.1	33.0 49.4
54	38.7	30.4 45.6





#32

Benzoic acid

Concen: 6.388 ng

RT: 10.11 min Scan# 1195

Delta R.T. -0.04 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-15

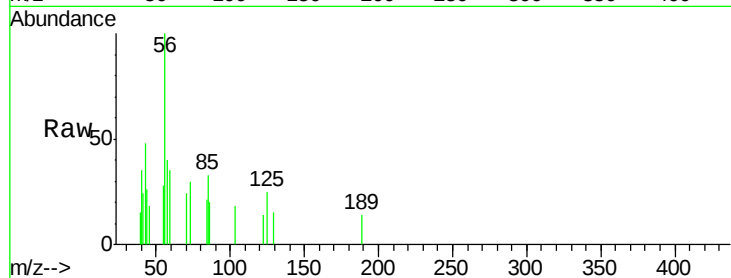
Tot Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

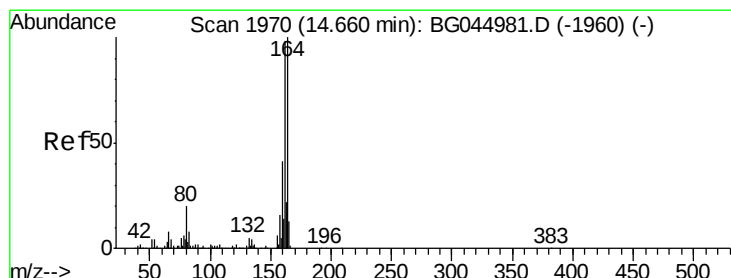
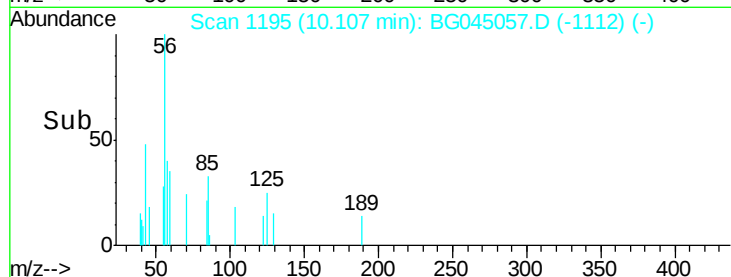
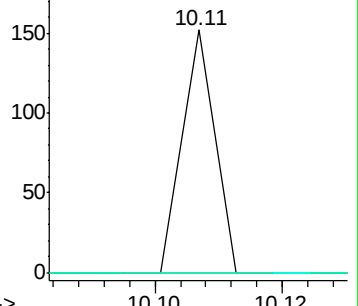
77 0.0 78.8 118.8#



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# 1970

Delta R.T. 0.00 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

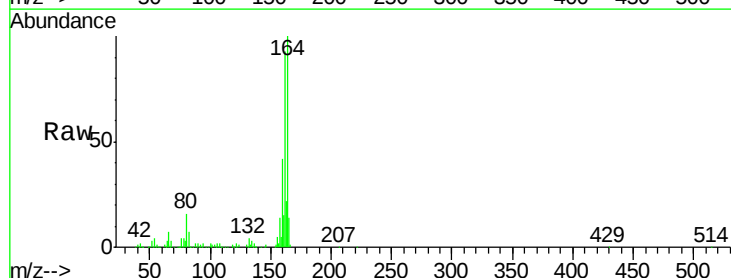
Tgt Ion:164 Resp: 211269

Ion Ratio Lower Upper

164 100

162 92.7 78.7 118.1

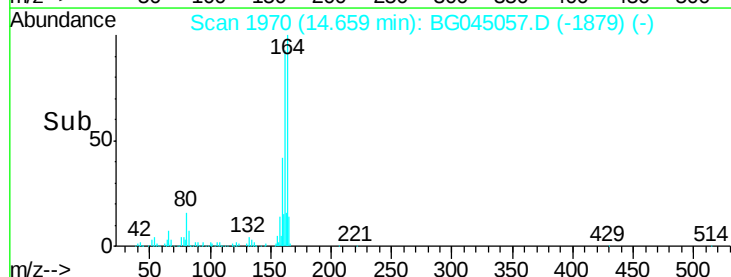
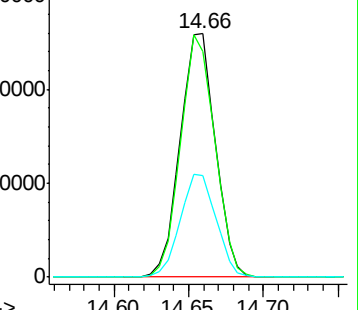
160 41.6 32.8 49.2

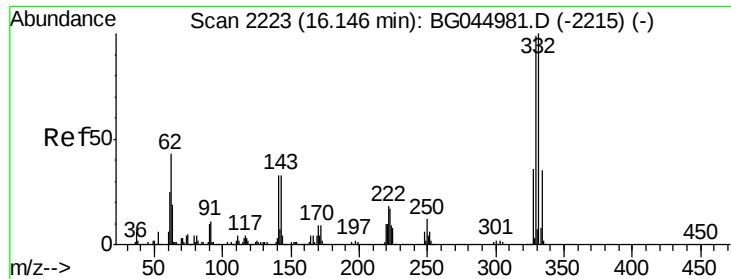


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

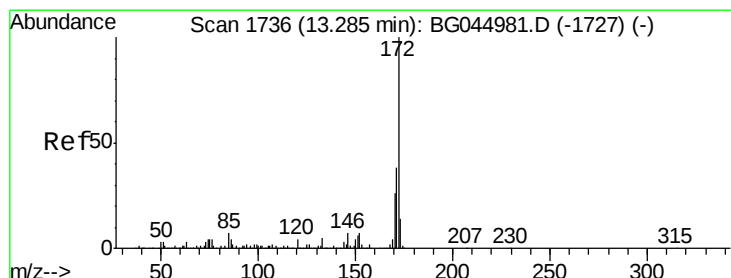
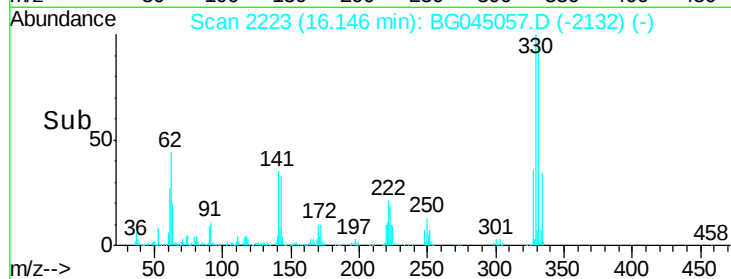
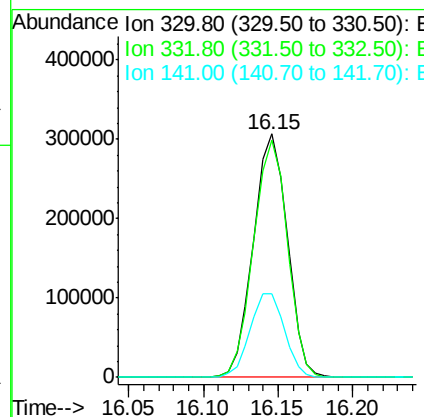
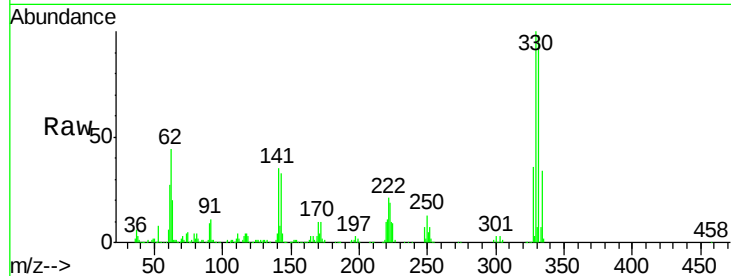




#42
 2,4,6-Tribromophenol
 Concen: 148.374 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045057.D
 Acq: 18 Apr 2020 8:25

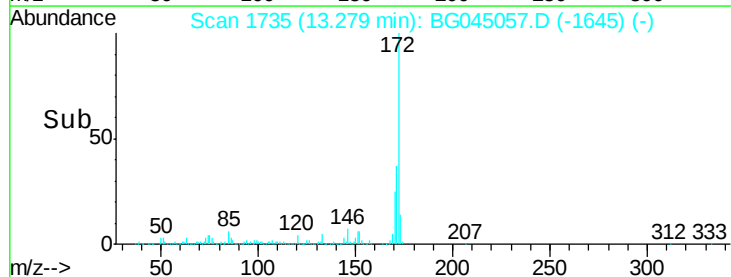
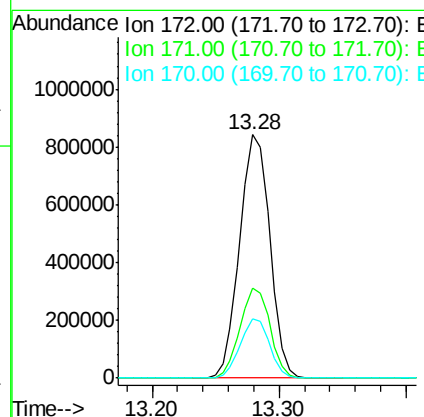
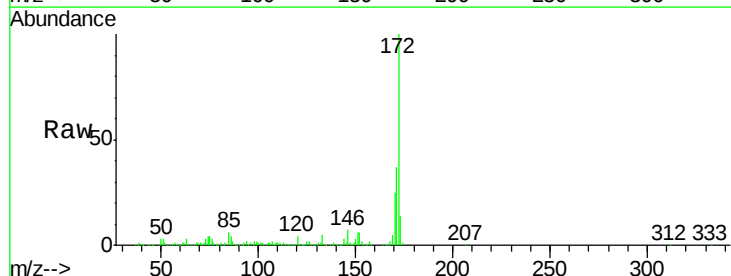
Instrument :
 BNA_G
 ClientSampleId :
 FB-2020-04-15

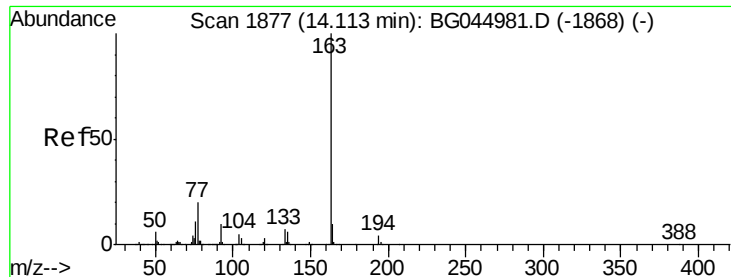
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.1	118.7
141	34.9	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 96.484 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045057.D
 Acq: 18 Apr 2020 8:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.6	46.0
170	24.6	20.5	30.7





#50

Dimethylphthalate

Concen: 5.485 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-15

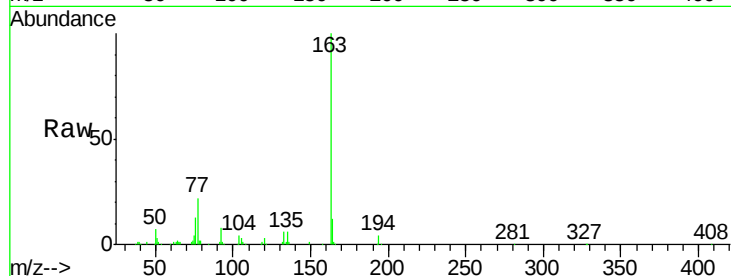
Tot Ion:163 Resp: 94352

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

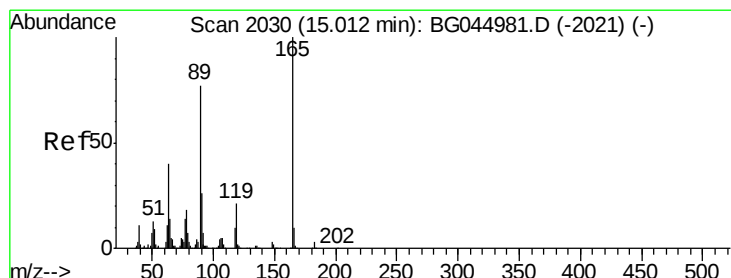
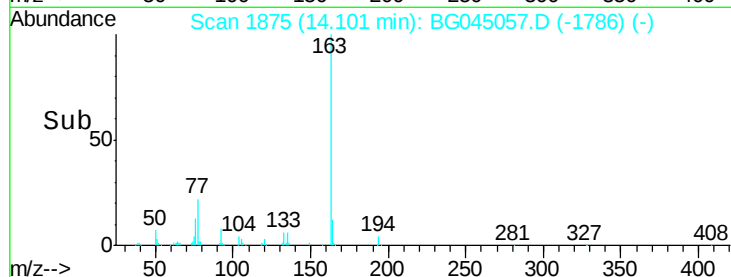
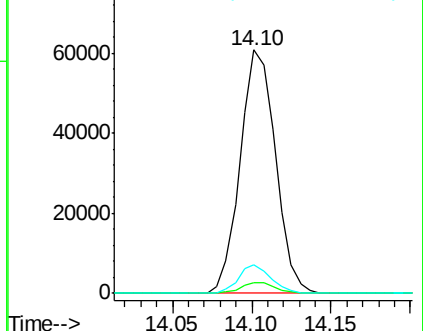
164 11.6 8.2 12.4



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: 5.201 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.36 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

Tgt Ion:165 Resp: 29245

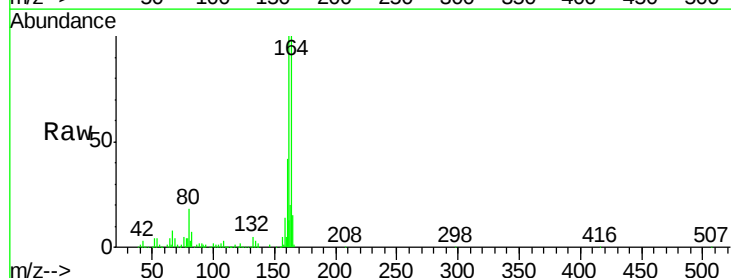
Ion Ratio Lower Upper

165 100

63 1.5 32.2 48.2#

89 1.9 61.7 92.5#

182 0.0 2.0 3.0#

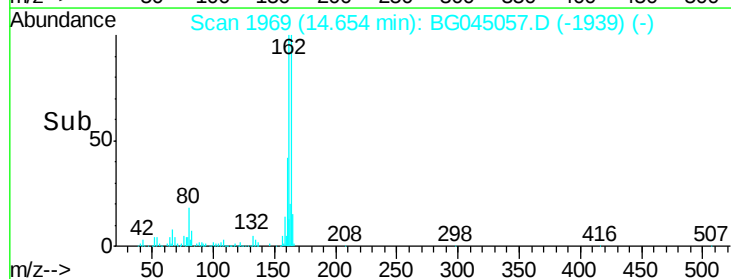
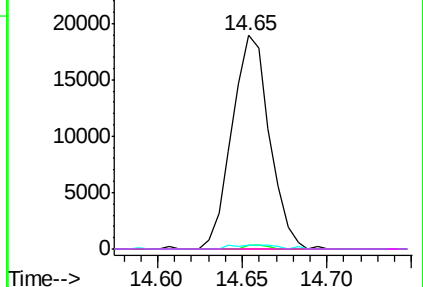


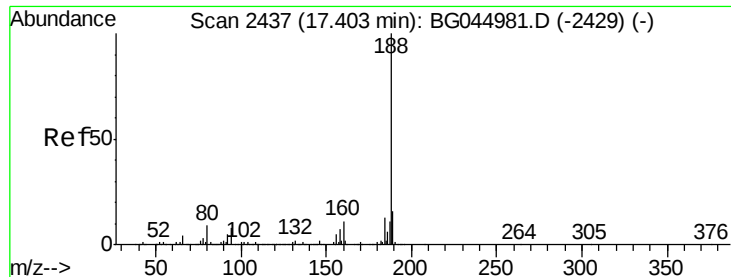
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2437

Delta R.T. 0.00 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-15

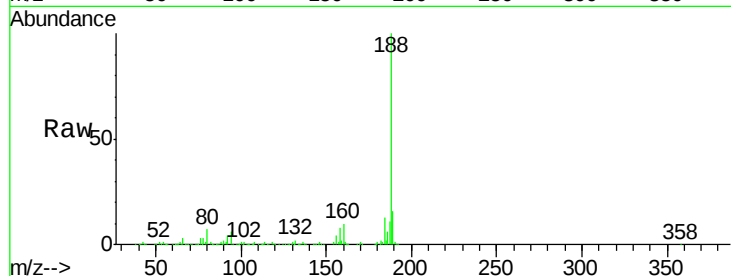
Tot Ion:188 Resp: 514561

Ion Ratio Lower Upper

188 100

94 6.3 6.2 9.4

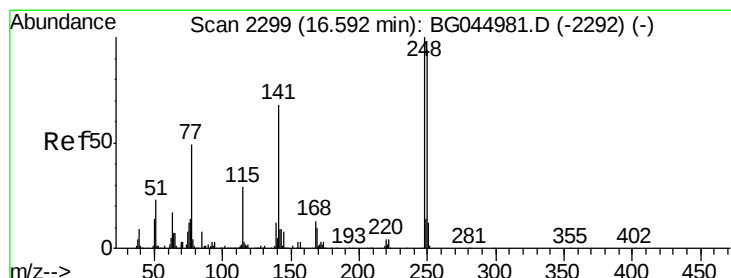
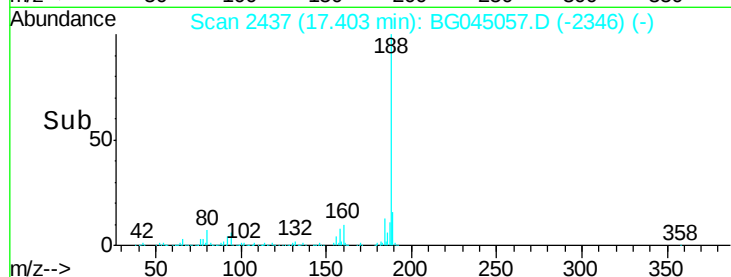
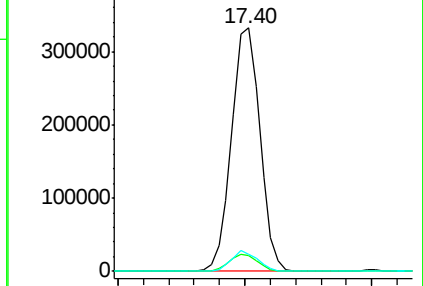
80 7.2 7.0 10.6



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: 4.926 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

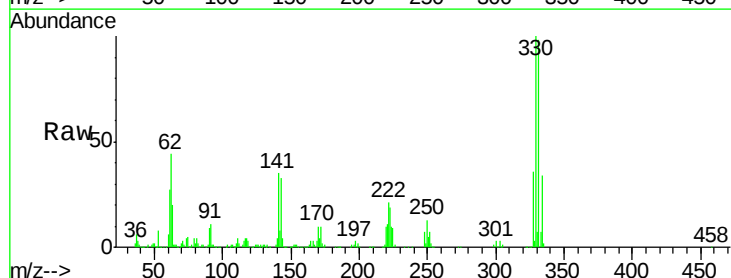
Tgt Ion:248 Resp: 32699

Ion Ratio Lower Upper

248 100

250 188.5 75.4 113.2#

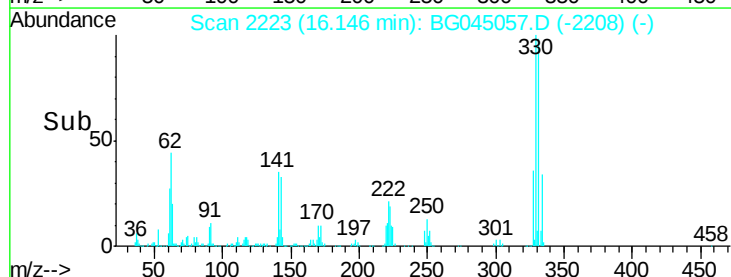
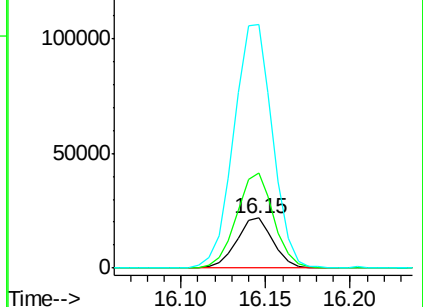
141 484.5 54.4 81.6#

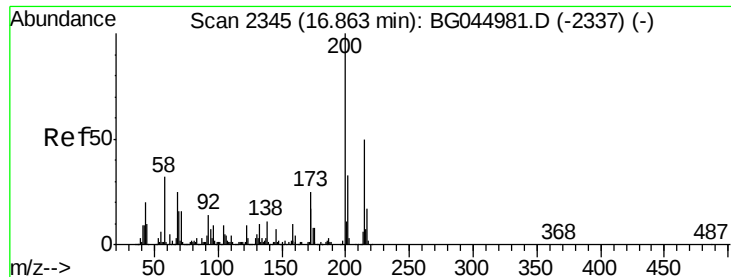


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.73 min Scan# 2323

Delta R.T. -0.13 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-15

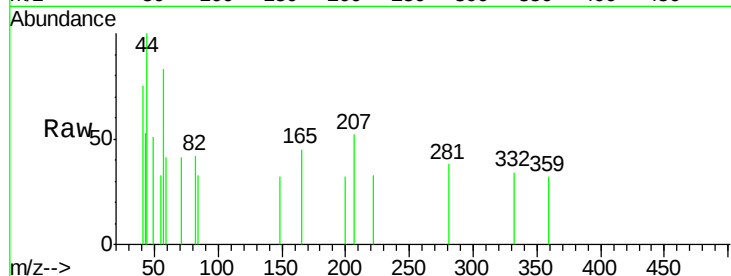
Tot Ion:200 Resp: 107

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

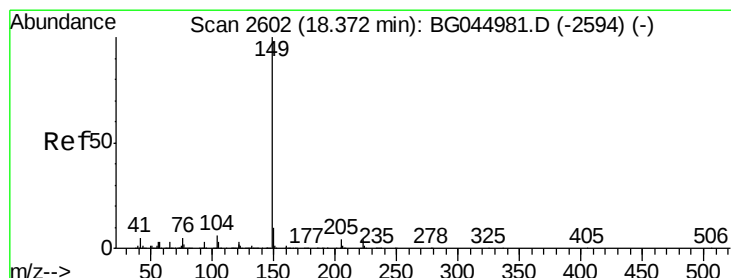
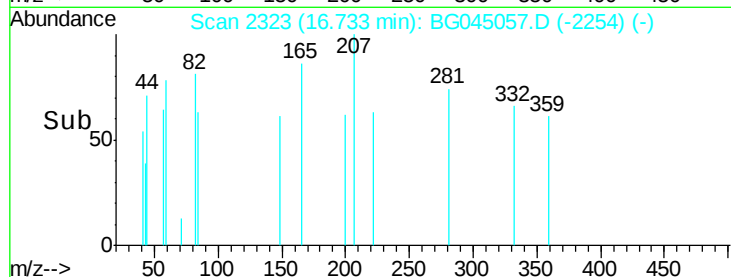
Ion 215.00 (214.70 to 215.70): E

16.73

16.74

16.76

Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

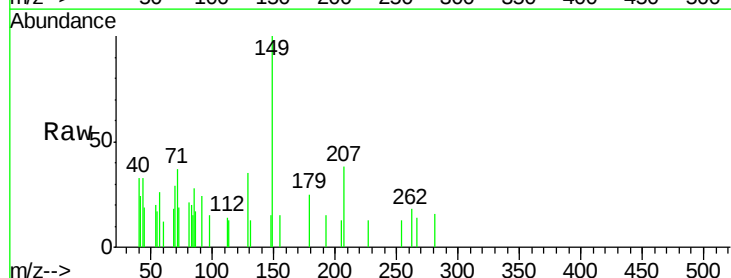
Tgt Ion:149 Resp: 1403

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

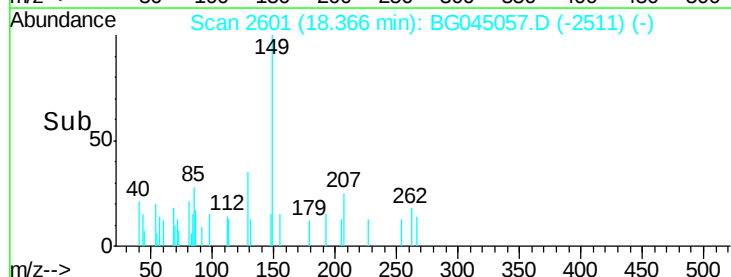
Ion 104.00 (103.70 to 104.70): E

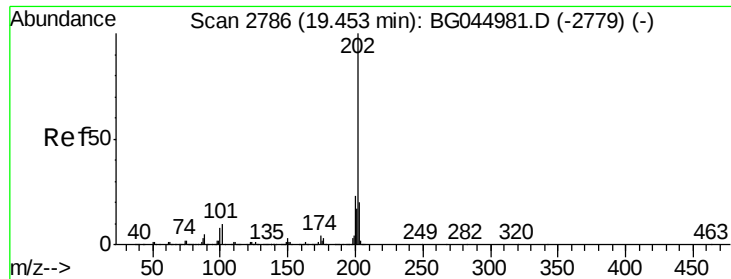
18.37

18.35

18.40

Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.39 min Scan# 2776

Delta R.T. -0.06 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

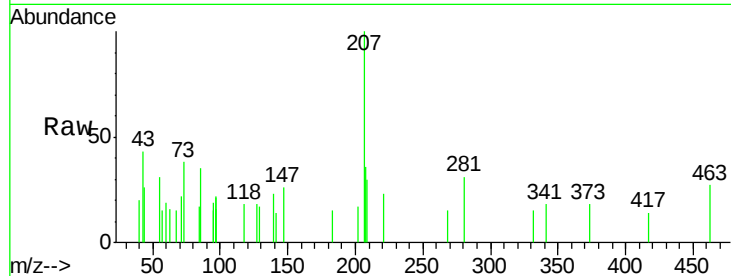
Instrument :

BNA_G

ClientSampleId :

FB-2020-04-15

Tot Ion:	202	Resp:	63
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



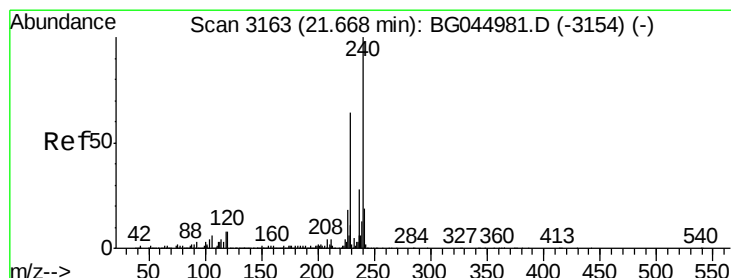
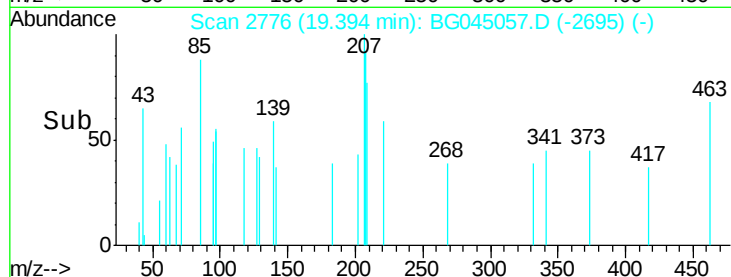
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.39

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

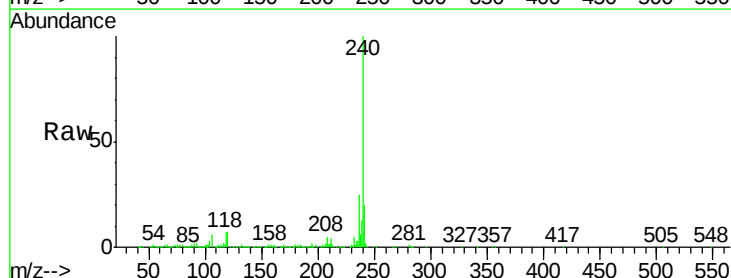
RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

Tgt Ion:	240	Resp:	478588
Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.6	10.0
236	25.1	22.2	33.2



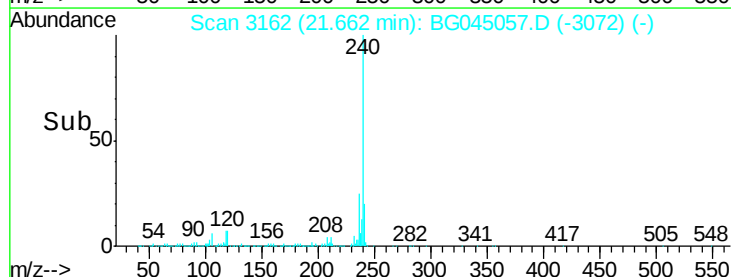
Abundance Ion 240.00 (239.70 to 240.70): E

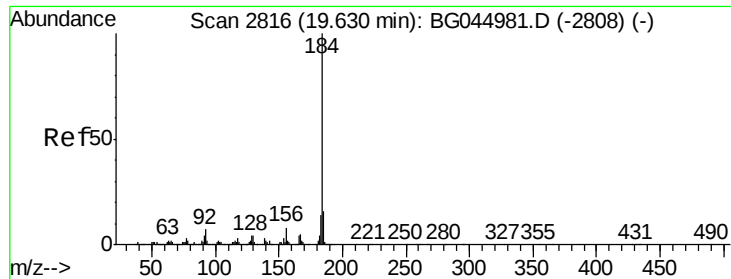
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.66

Time-->





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.38 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

Instrument :

BNA_G

ClientSampleId :

FB-2020-04-15

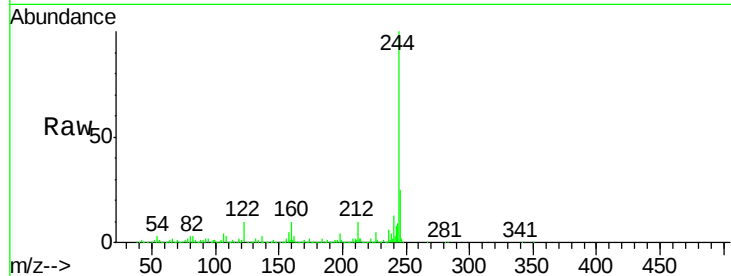
Tot Ion:184 Resp: 48130

Ion Ratio Lower Upper

184 100

185 14.8 12.6 19.0

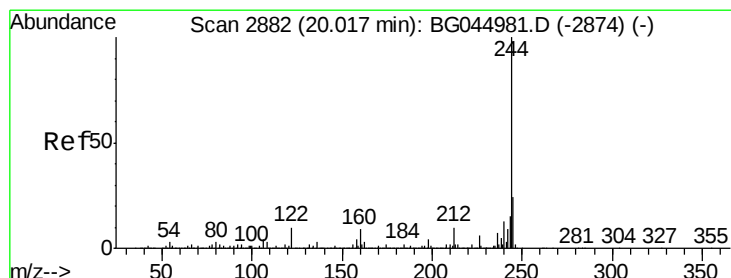
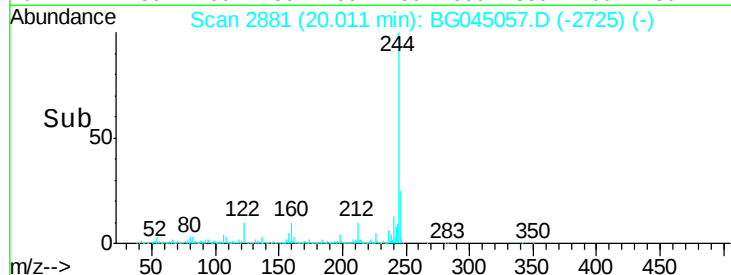
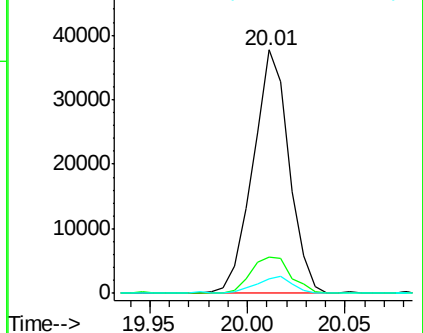
183 6.2 11.3 16.9#



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: 104.489 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045057.D

Acq: 18 Apr 2020 8:25

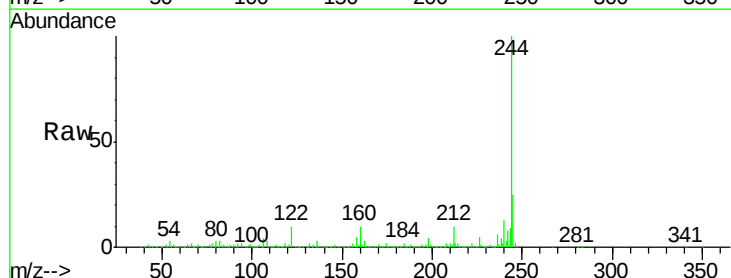
Tgt Ion:244 Resp: 2294372

Ion Ratio Lower Upper

244 100

212 10.3 7.9 11.9

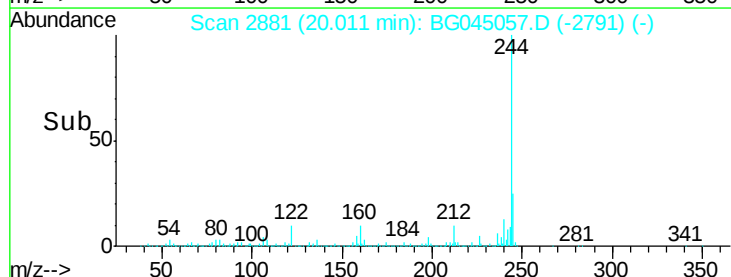
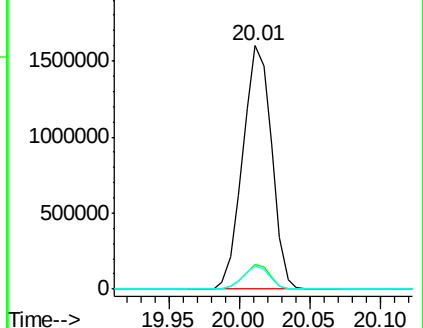
122 9.5 7.7 11.5

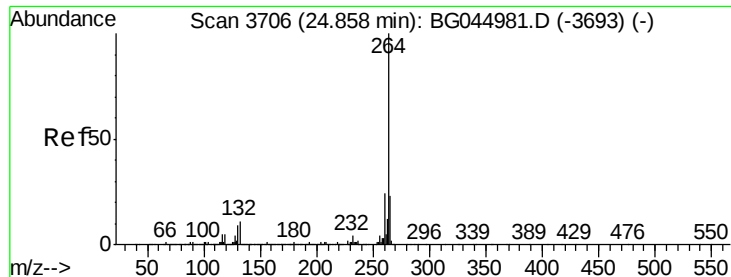


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG045057.D
Acq: 18 Apr 2020 8:25

Instrument :
BNA_G
ClientSampleId :
FB-2020-04-15

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	19.0	28.4

