

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060920\
 Data File : BG045684.D
 Acq On : 10 Jun 2020 8:20
 Operator : CG/JU
 Sample : L2946-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CUTTINGS

Quant Time: Jun 10 09:00:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

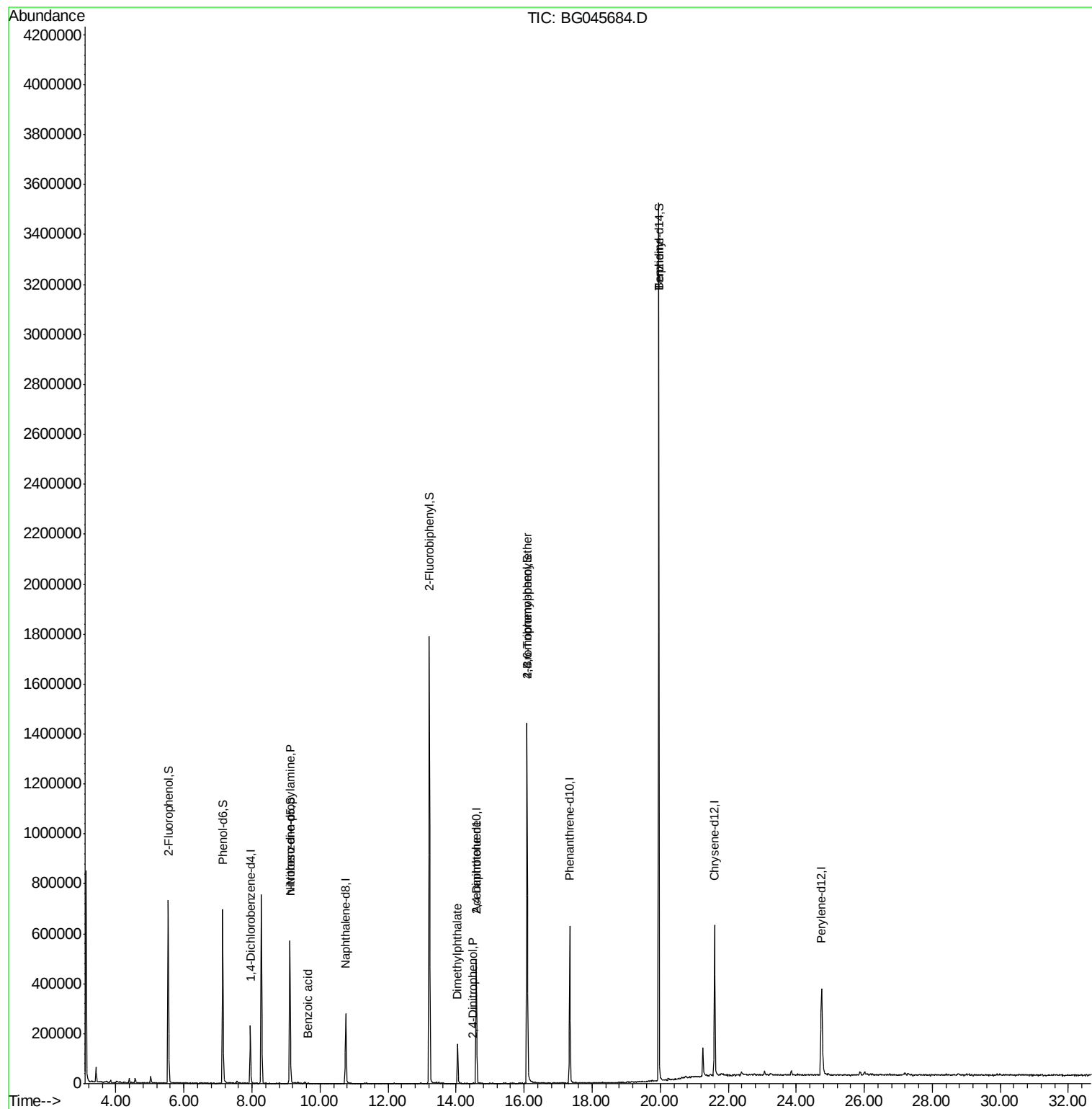
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	65766	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	258117	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	188122	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	426419	20.00	ng	0.00
76) Chrysene-d12	21.60	240	413710	20.00	ng	0.00
87) Perylene-d12	24.75	264	438071	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	358902	106.65	ng	0.00
7) Phenol-d6	7.14	99	457783	95.58	ng	0.00
23) Nitrobenzene-d5	9.12	82	410733	86.77	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	299875	124.64	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	972865	87.72	ng	0.00
79) Terphenyl-d14	19.96	244	1629105	91.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	55984	16.903	ng	Qvalue # 78
32) Benzoic acid	9.63	122	62	10.045	ng	# 1
50) Dimethylphthalate	14.05	163	118561	9.187	ng	99
54) 2,4-Dinitrophenol	14.50	184	83	5.499	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	24807	5.882	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	20878	4.522	ng	# 1
77) Benzidine	19.96	184	31574	2.717	ng	# 93

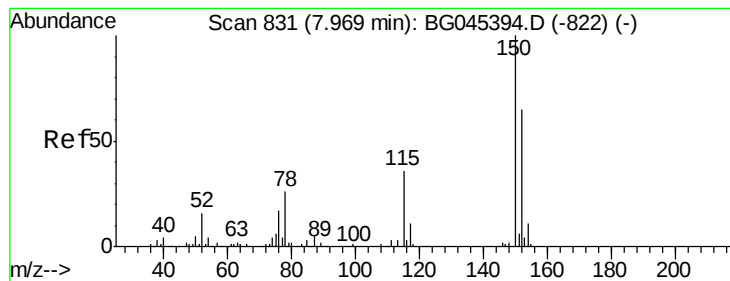
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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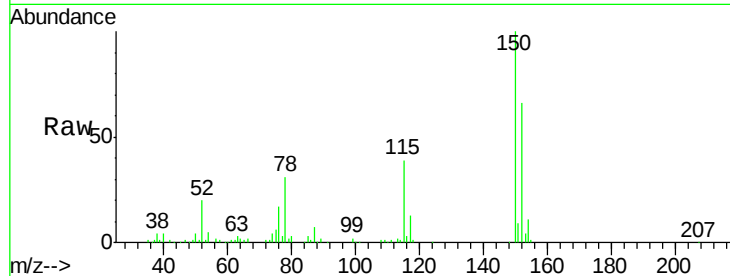


#1

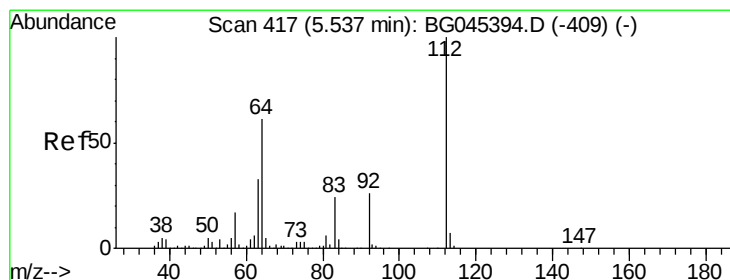
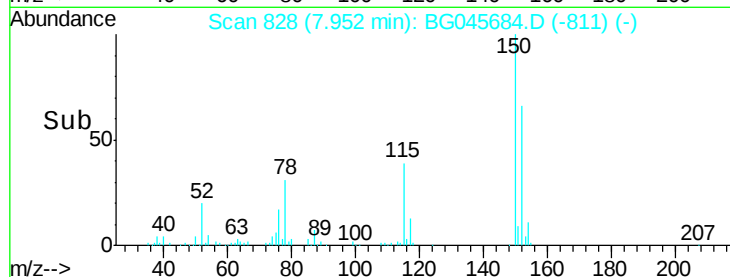
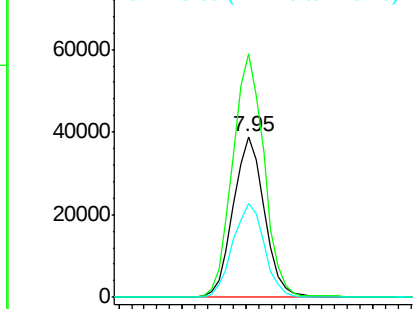
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045684.D
Acq: 10 Jun 2020 8:20

Instrument :
BNA_G
ClientSampleId :
CUTTINGS

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	122.4	183.6
115	58.7	44.2	66.4



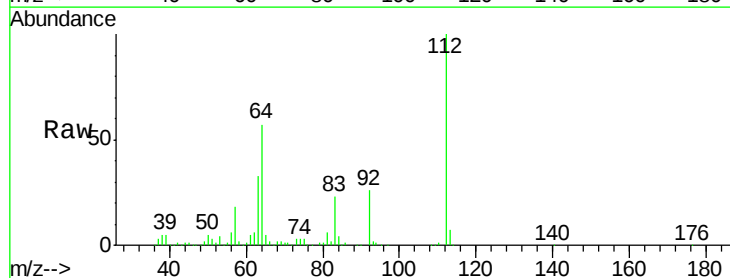
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



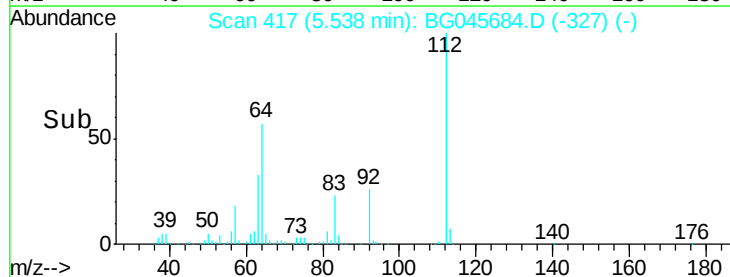
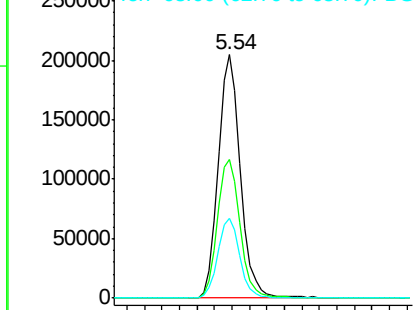
#5

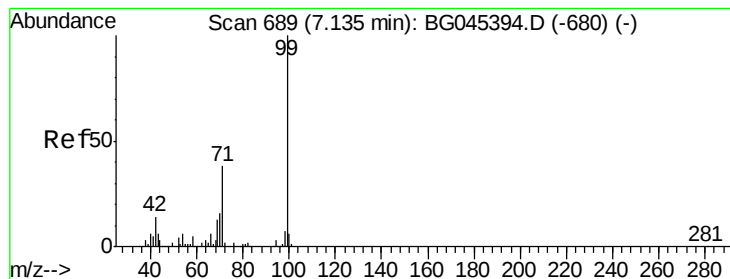
2-Fluorophenol
Concen: 106.651 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045684.D
Acq: 10 Jun 2020 8:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	48.6	72.8
63	32.8	26.5	39.7



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: 95.577 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045684.D

Acq: 10 Jun 2020 8:20

Instrument :

BNA_G

ClientSampleId :

CUTTINGS

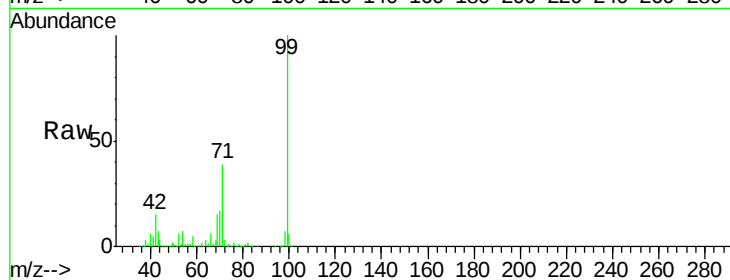
Tot Ion: 99 Resp: 457783

Ion Ratio Lower Upper

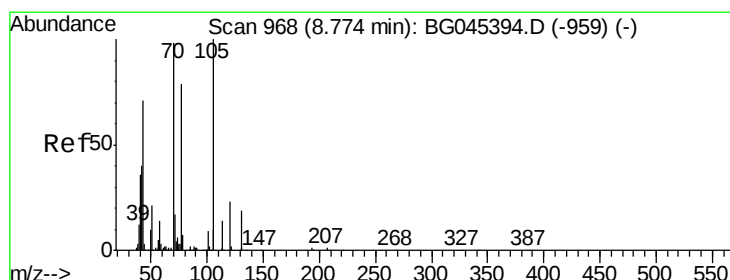
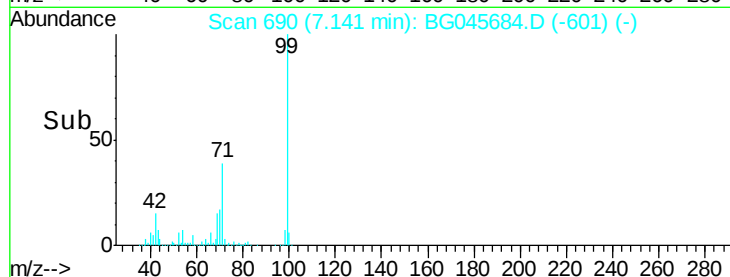
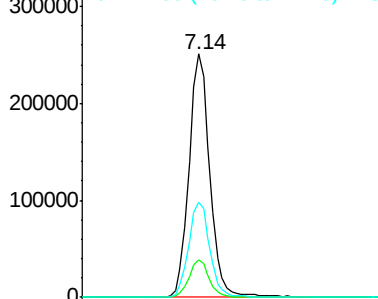
99 100

42 15.4 11.3 16.9

71 39.2 30.8 46.2



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: 16.903 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.35 min

Lab File: BG045684.D

Acq: 10 Jun 2020 8:20

Tgt Ion: 70 Resp: 55984

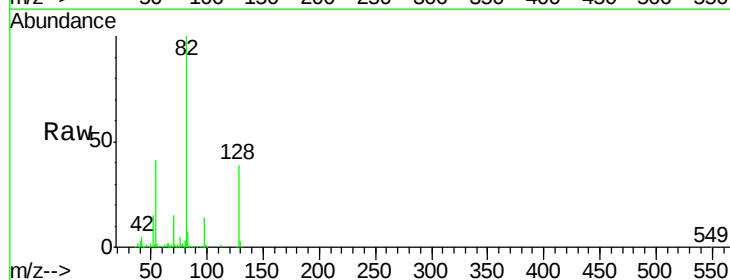
Ion Ratio Lower Upper

70 100

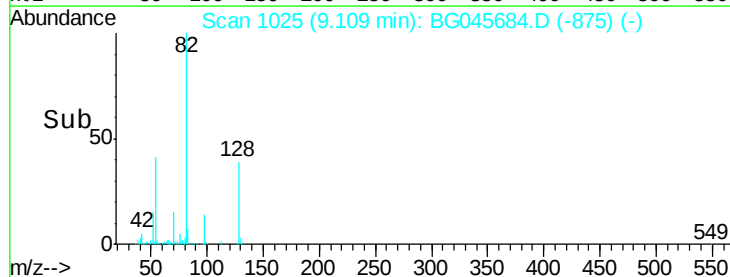
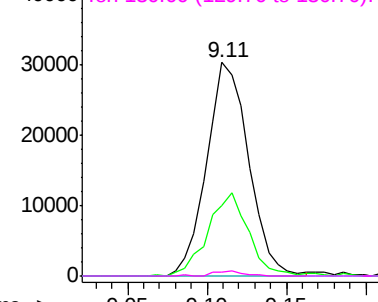
42 33.3 33.2 49.8

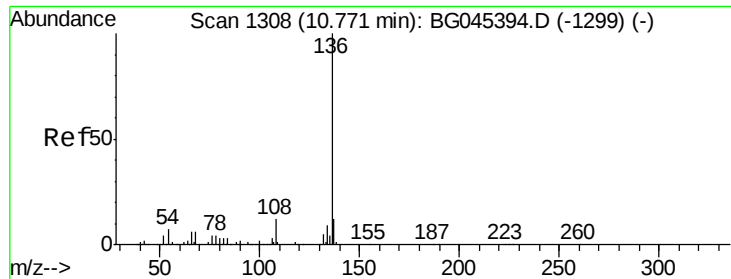
101 0.0 7.8 11.6#

130 1.6 15.4 23.2#



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

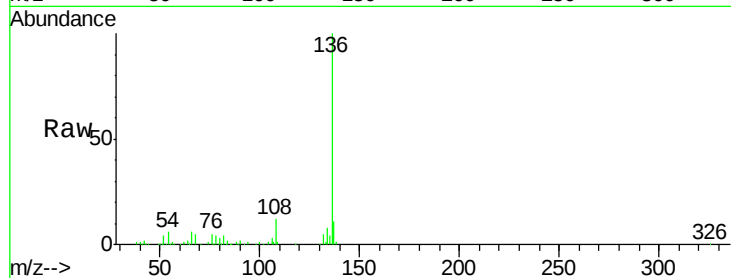




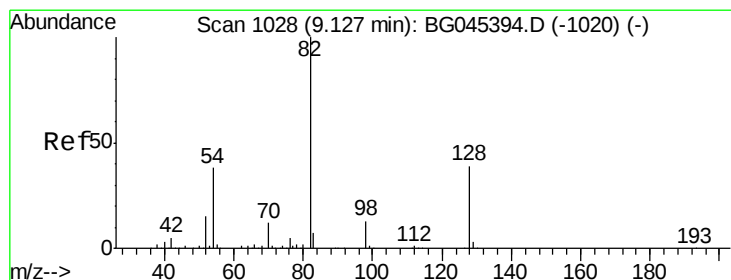
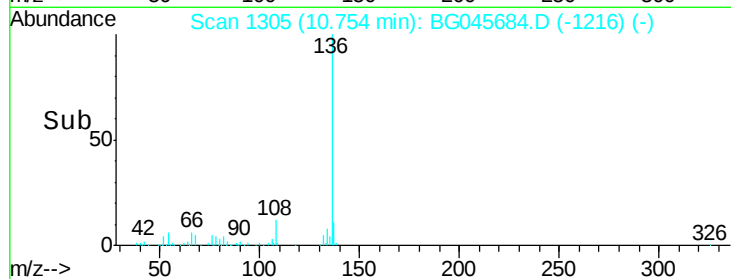
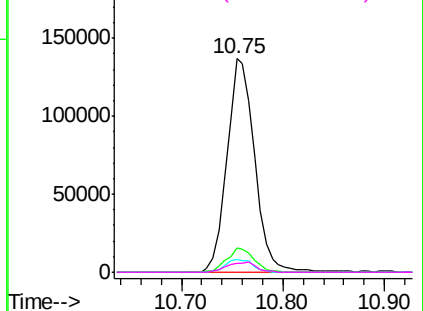
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045684.D
Acq: 10 Jun 2020 8:20

Instrument :
BNA_G
ClientSampleId :
CUTTINGS

Tot Ion:136	Resp:	258117
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.4 14.2
54	6.2	5.8 8.6
68	4.5	4.5 6.7

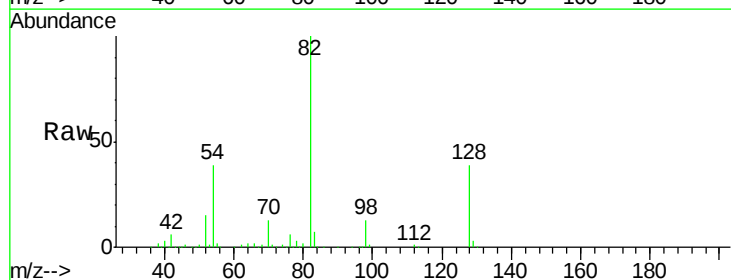


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

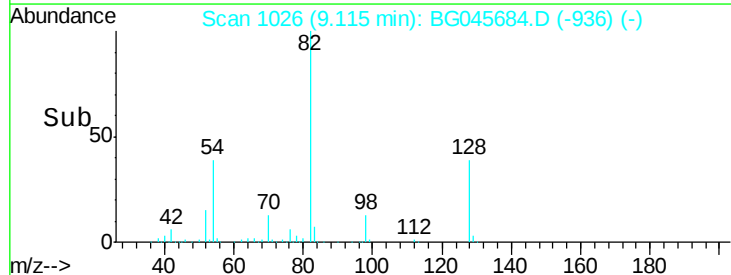
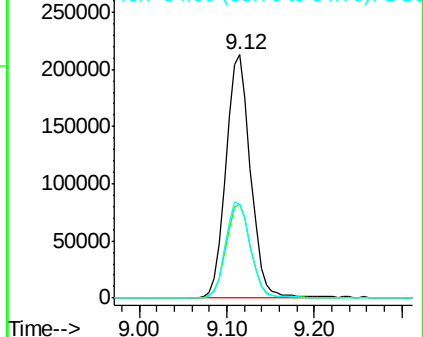


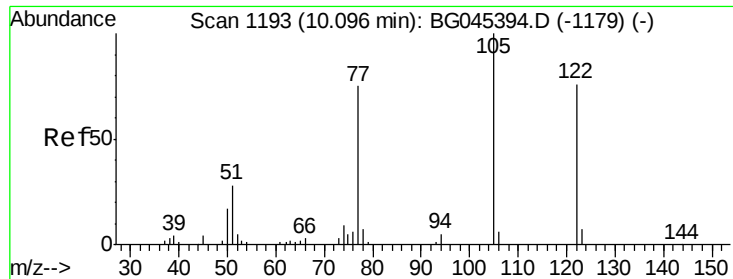
#23
Nitrobenzene-d5
Concen: 86.774 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG045684.D
Acq: 10 Jun 2020 8:20

Tgt Ion: 82	Resp:	410733
Ion	Ratio	Lower Upper
82	100	
128	38.5	30.9 46.3
54	38.8	30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

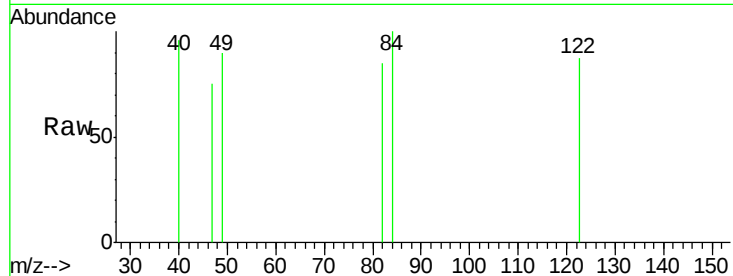




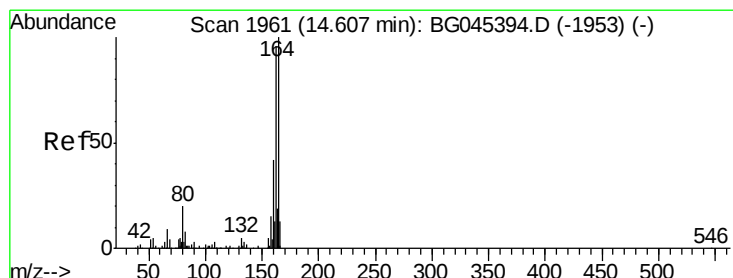
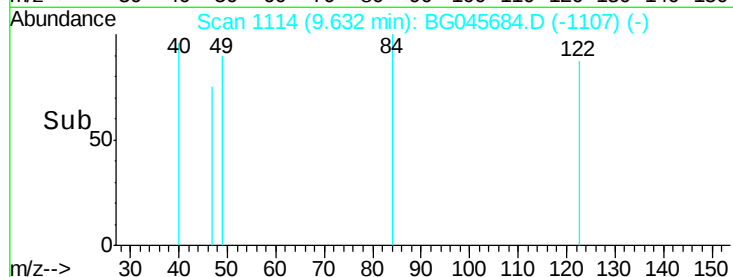
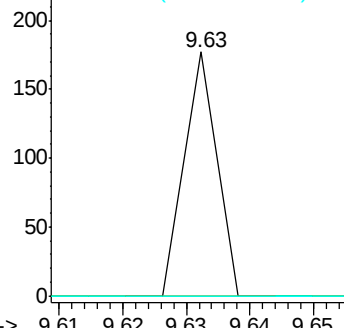
#32
Benzoic acid
Concen: 10.045 ng
RT: 9.63 min Scan# 1114
Delta R.T. -0.49 min
Lab File: BG045684.D
Acq: 10 Jun 2020 8:20

Instrument :
BNA_G
ClientSampleId :
CUTTINGS

Tot Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#

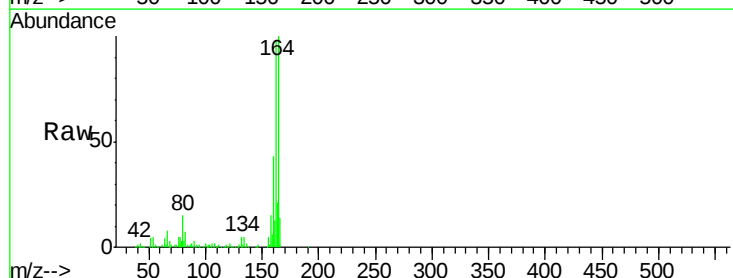


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

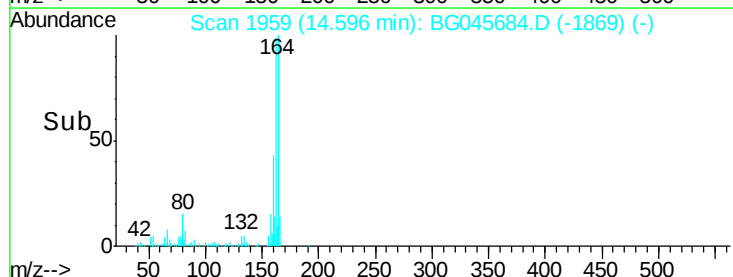
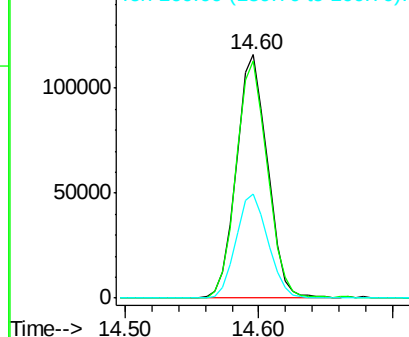


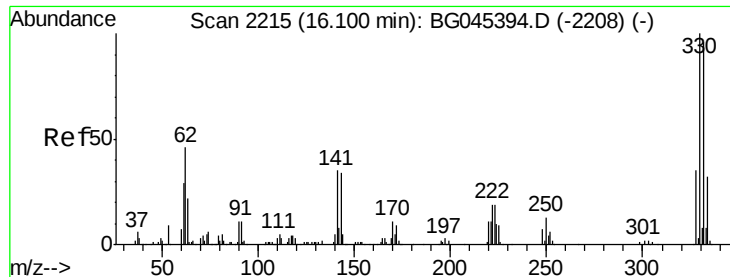
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BG045684.D
Acq: 10 Jun 2020 8:20

Tgt Ion:164 Resp: 188122
Ion Ratio Lower Upper
164 100
162 97.5 76.9 115.3
160 42.7 33.8 50.8



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: 124.643 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BG045684.D

Acq: 10 Jun 2020 8:20

Instrument :

BNA_G

ClientSampled :

CUTTINGS

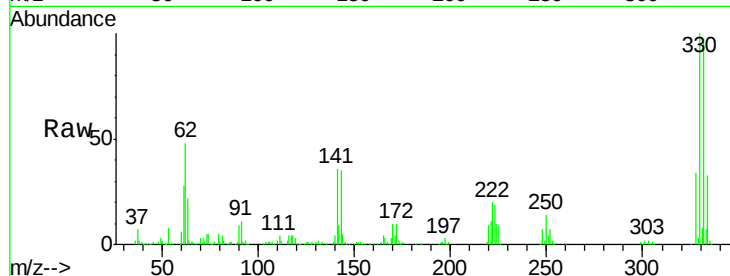
Tot Ion:330 Resp: 299875

Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.4

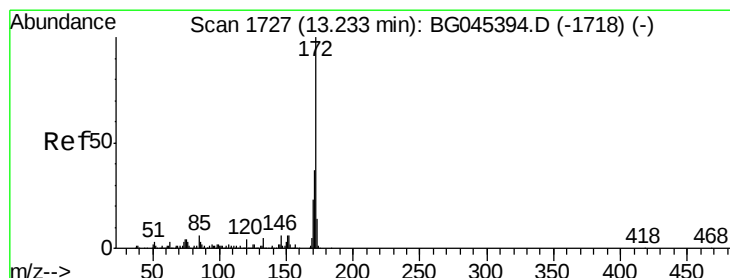
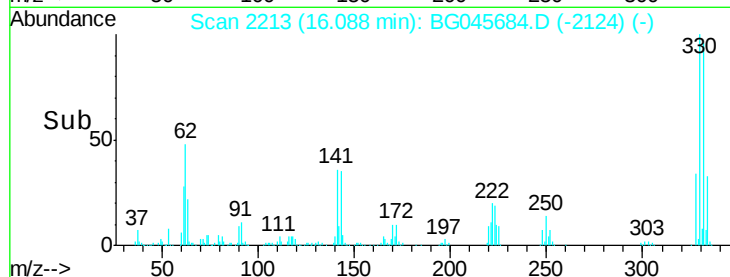
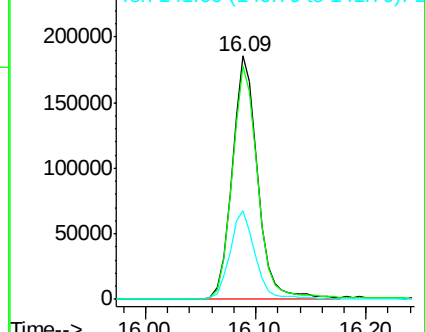
141 36.3 28.2 42.4



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 87.719 ng

RT: 13.22 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BG045684.D

Acq: 10 Jun 2020 8:20

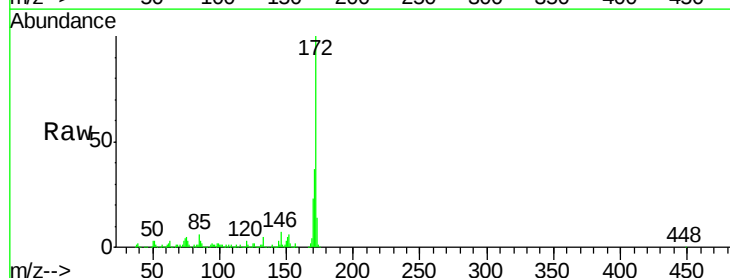
Tgt Ion:172 Resp: 972865

Ion Ratio Lower Upper

172 100

171 36.9 29.5 44.3

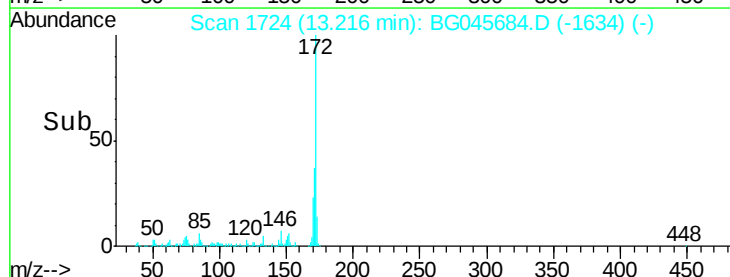
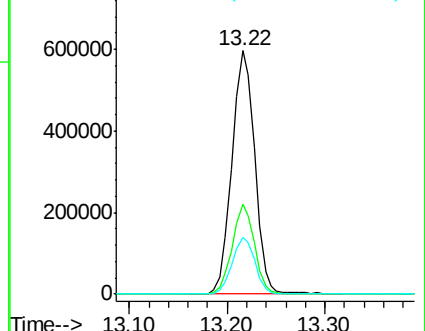
170 23.5 18.5 27.7

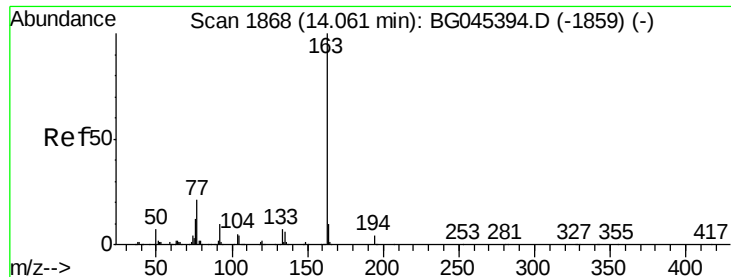


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.187 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045684.D

Acq: 10 Jun 2020 8:20

Instrument :

BNA_G

ClientSampleId :

CUTTINGS

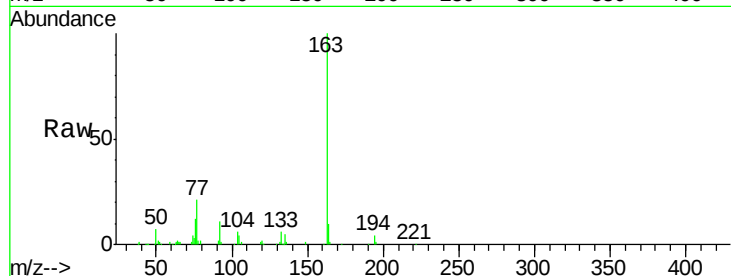
Tot Ion:163 Resp: 118561

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

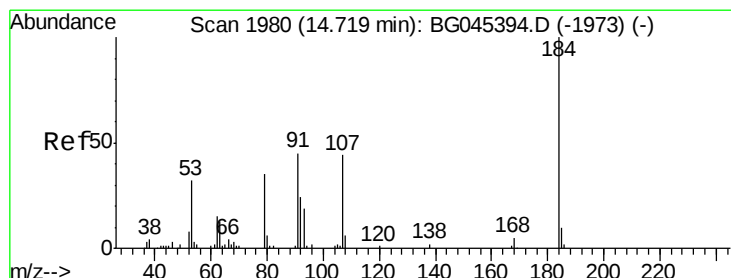
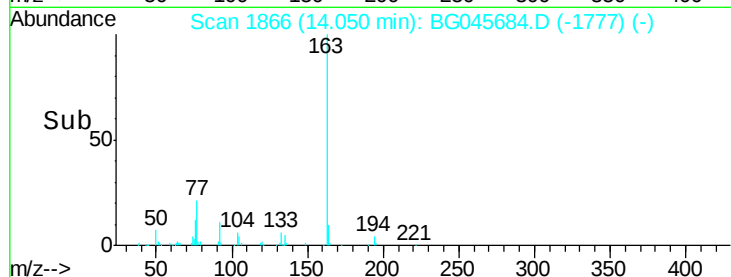
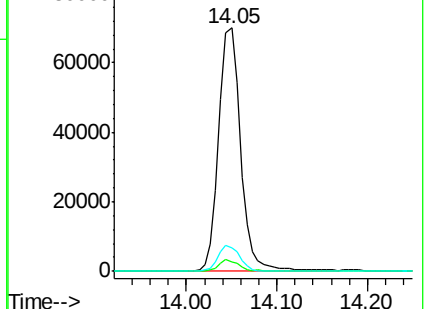
164 9.7 8.3 12.5



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



#54

2,4-Dinitrophenol

Concen: 5.499 ng

RT: 14.50 min Scan# 1943

Delta R.T. -0.21 min

Lab File: BG045684.D

Acq: 10 Jun 2020 8:20

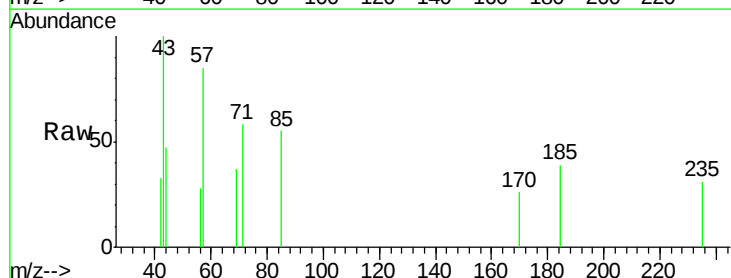
Tgt Ion:184 Resp: 83

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

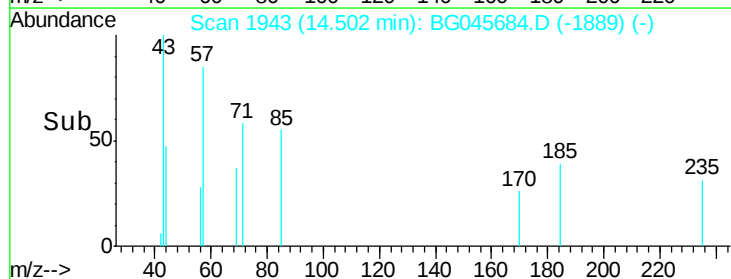
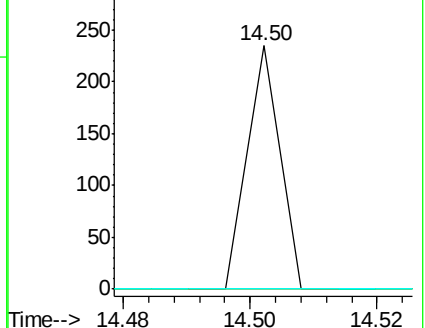
154 0.0 58.3 87.5#

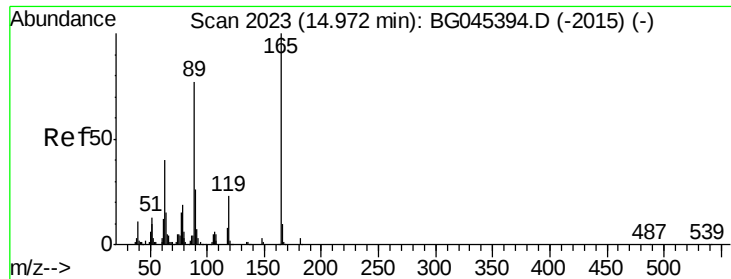


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

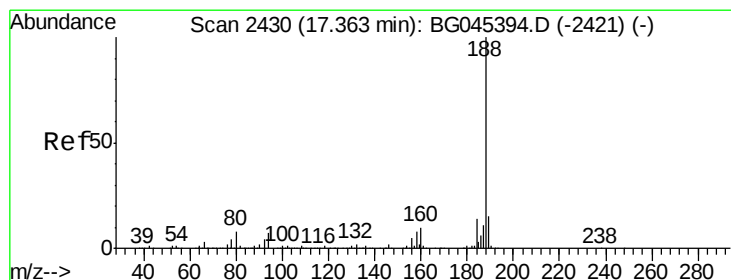
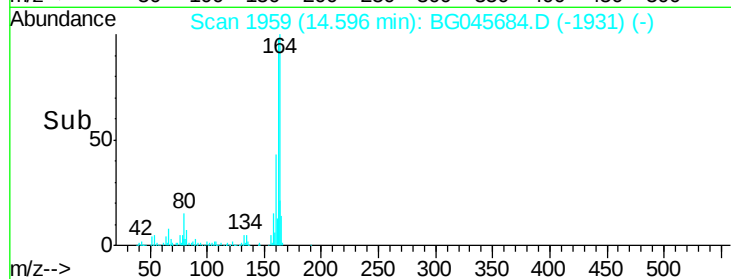
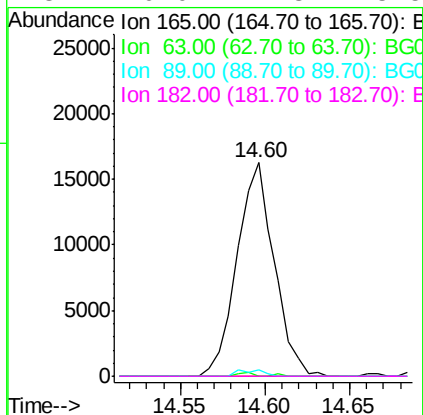
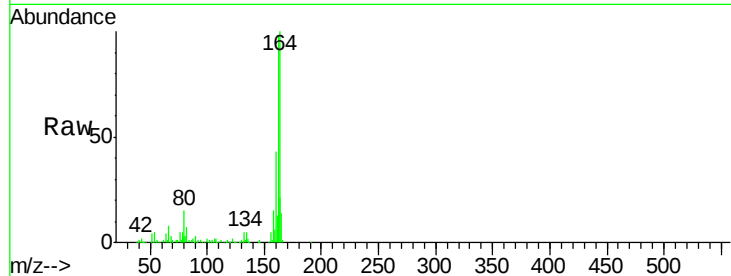




#57
2,4-Dinitrotoluene
Concen: 5.882 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.36 min
Lab File: BG045684.D
Acq: 10 Jun 2020 8:20

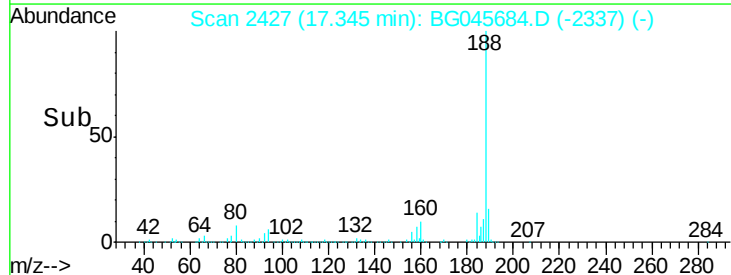
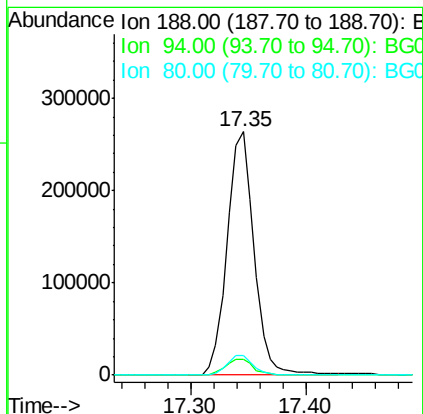
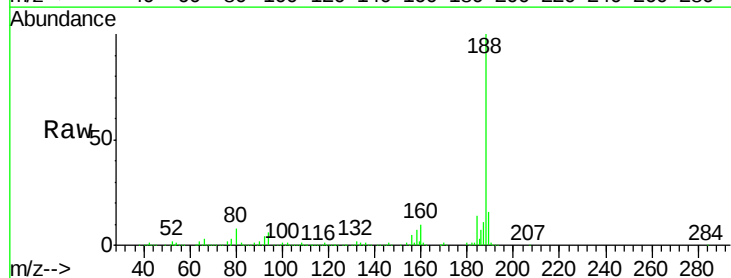
Instrument :
BNA_G
ClientSampleId :
CUTTINGS

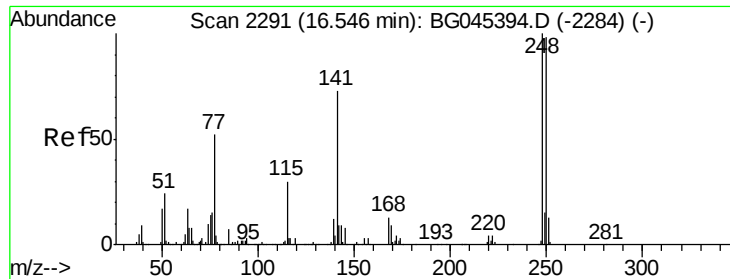
Tot Ion:165 Resp: 24807
Ion Ratio Lower Upper
165 100
63 0.0 32.5 48.7#
89 2.8 61.8 92.6#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BG045684.D
Acq: 10 Jun 2020 8:20

Tgt Ion:188 Resp: 426419
Ion Ratio Lower Upper
188 100
94 6.3 5.5 8.3
80 8.1 6.6 10.0

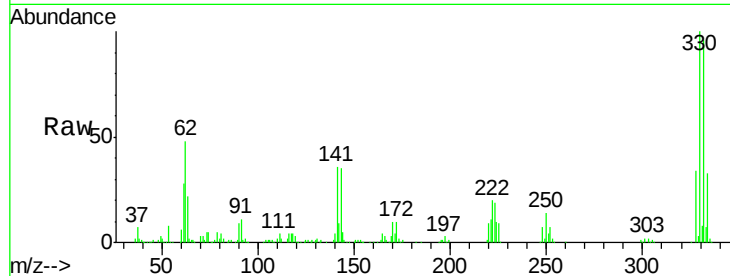




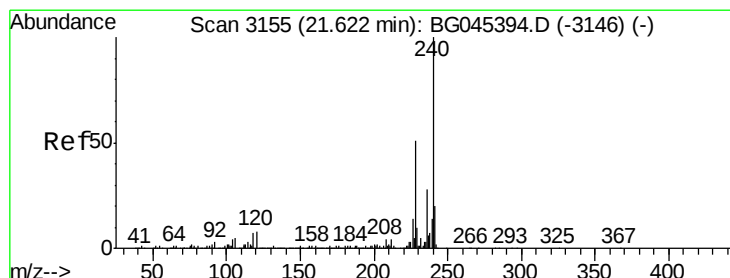
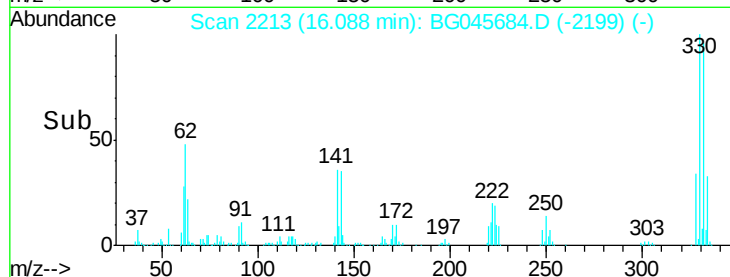
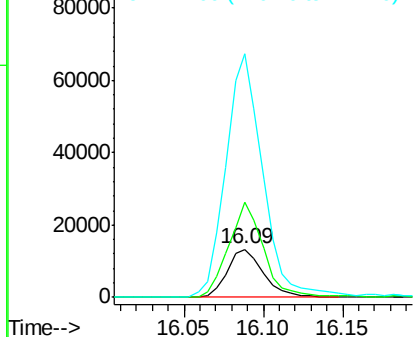
#67
 4-Bromophenyl-phenylether
 Concen: 4.522 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.45 min
 Lab File: BG045684.D
 Acq: 10 Jun 2020 8:20

Instrument :
 BNA_G
 ClientSampleId :
 CUTTINGS

Tot Ion:248 Resp: 20878
 Ion Ratio Lower Upper
 248 100
 250 196.9 78.6 117.8#
 141 507.2 58.2 87.2#

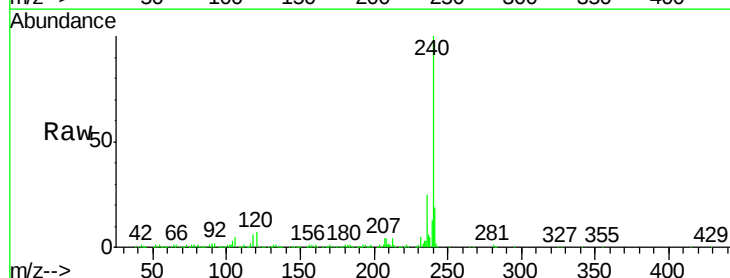


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

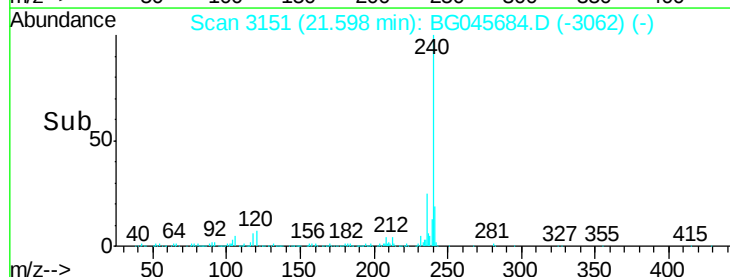
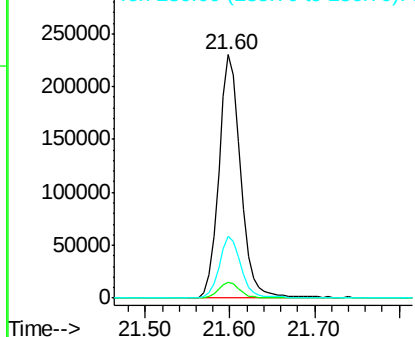


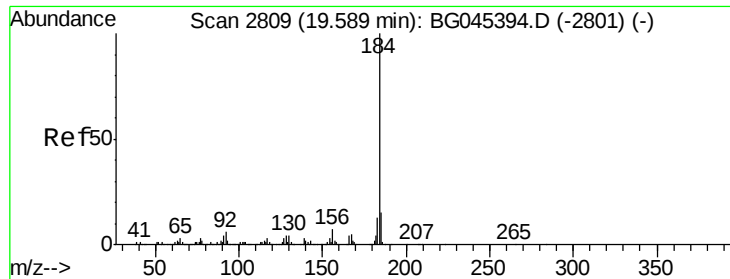
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.60 min Scan# 3151
 Delta R.T. -0.01 min
 Lab File: BG045684.D
 Acq: 10 Jun 2020 8:20

Tgt Ion:240 Resp: 413710
 Ion Ratio Lower Upper
 240 100
 120 6.5 6.1 9.1
 236 25.4 22.3 33.5



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: 2.717 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045684.D

Acq: 10 Jun 2020 8:20

Instrument :

BNA_G

ClientSampleId :

CUTTINGS

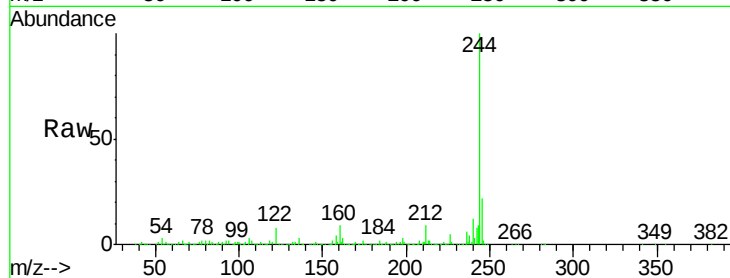
Tot Ion:184 Resp: 31574

Ion Ratio Lower Upper

184 100

185 14.7 11.7 17.5

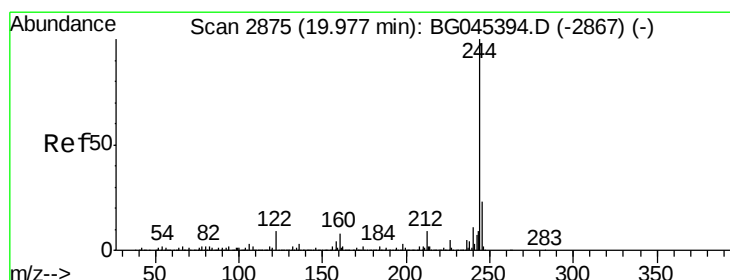
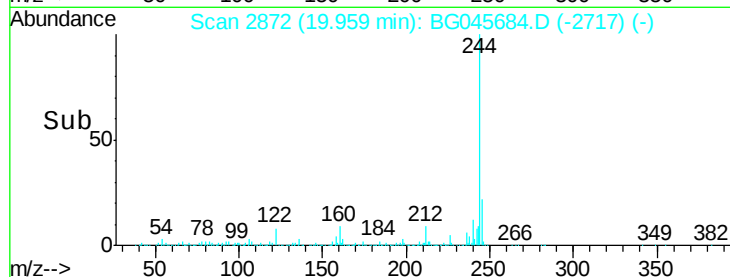
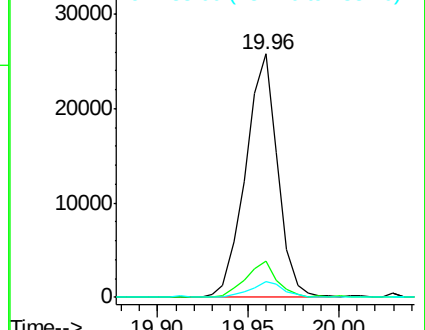
183 6.6 10.2 15.4#



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: 91.841 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045684.D

Acq: 10 Jun 2020 8:20

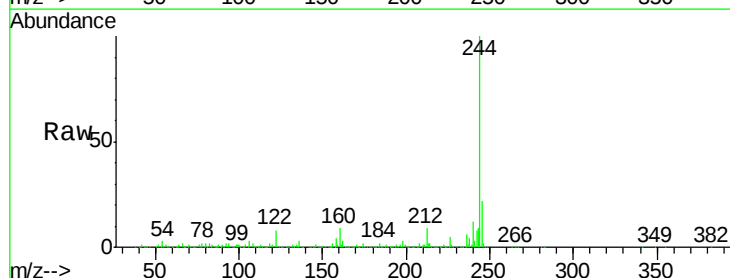
Tgt Ion:244 Resp: 1629105

Ion Ratio Lower Upper

244 100

212 9.4 7.4 11.0

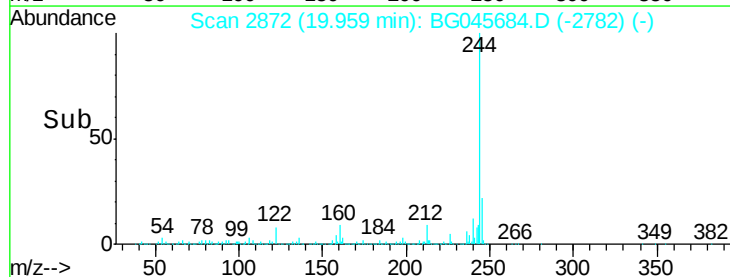
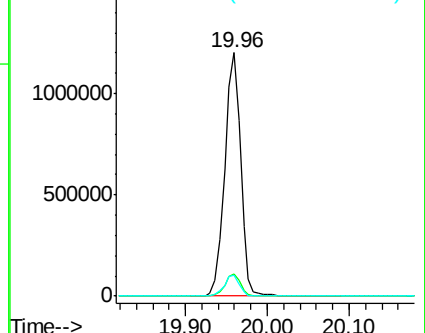
122 8.5 6.8 10.2

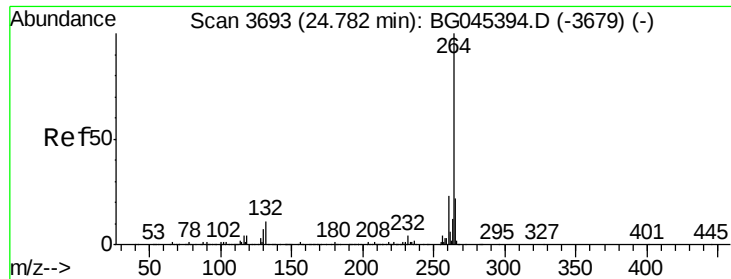


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.75 min Scan# 3687
 Delta R.T. -0.01 min
 Lab File: BG045684.D
 Acq: 10 Jun 2020 8:20

Instrument :
 BNA_G
 ClientSampleId :
 CUTTINGS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	21.7	17.6	26.4

