

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052120\
 Data File : BG045447.D
 Acq On : 21 May 2020 19:42
 Operator : CG/JU
 Sample : L2727-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 22 00:59:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 14:43:36 2020
 Response via : Initial Calibration

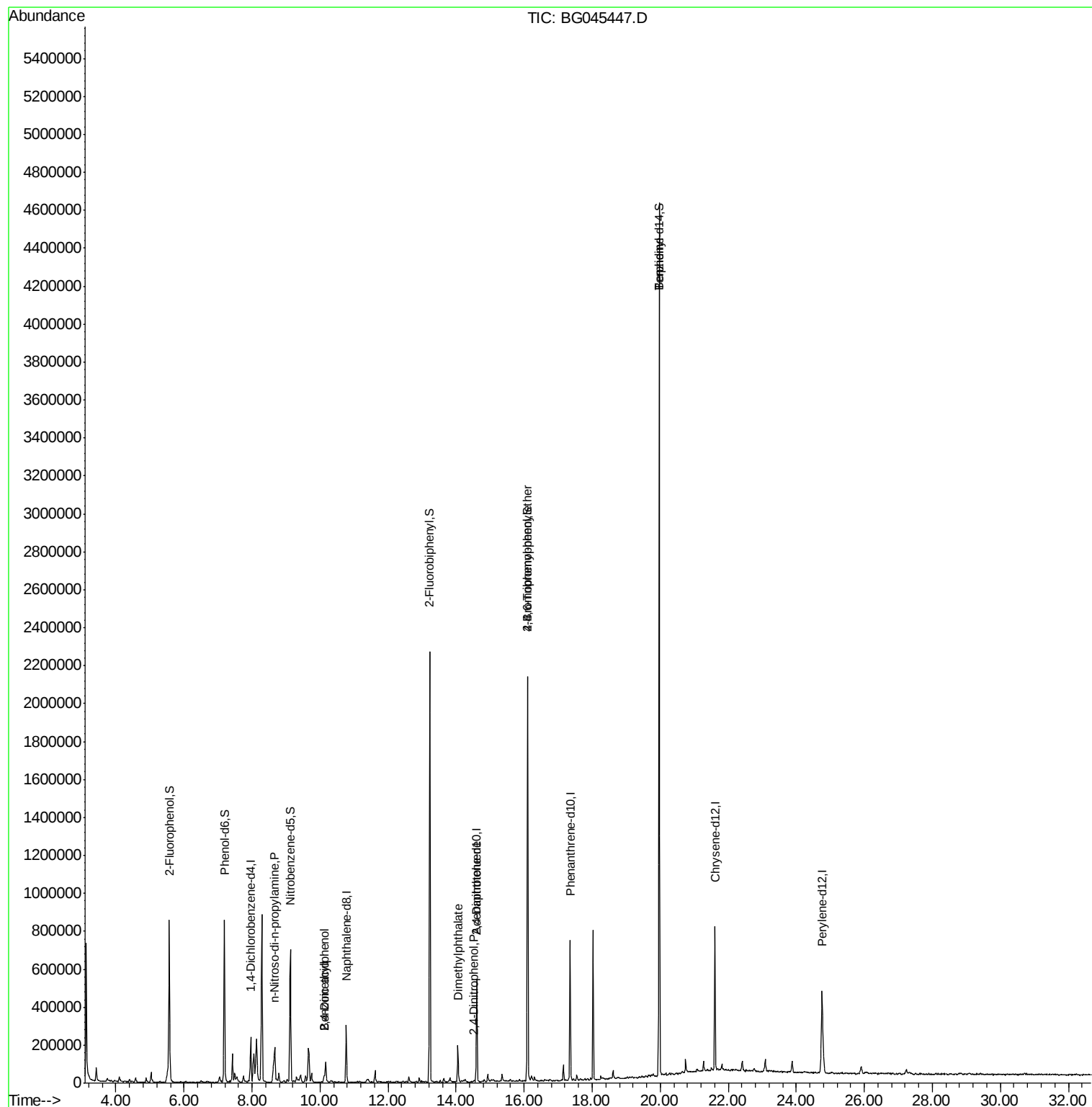
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	66982	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	269797	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	203500	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	475826	20.00	ng	0.00
76) Chrysene-d12	21.61	240	459150	20.00	ng	0.00
87) Perylene-d12	24.76	264	495303	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	428771	125.10	ng	0.00
7) Phenol-d6	7.19	99	589072	120.75	ng	0.00
23) Nitrobenzene-d5	9.13	82	479426	96.90	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	455426	174.99	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1211235	100.96	ng	0.00
79) Terphenyl-d14	19.97	244	2182452	110.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.66	70	20210	5.991	ng	Qvalue # 50
27) 2,4-Dimethylphenol	10.12	122	17570	5.224	ng	# 1
32) Benzoic acid	10.12	122	17570	16.100	ng	94
50) Dimethylphthalate	14.05	163	131203	9.399	ng	98
54) 2,4-Dinitrophenol	14.54	184	62	5.487	ng	# 17
57) 2,4-Dinitrotoluene	14.61	165	25532	5.597	ng	# 23
67) 4-Bromophenyl-phenylether	16.10	248	30226	5.866	ng	# 1
77) Benzidine	19.97	184	42868	3.324	ng	# 95

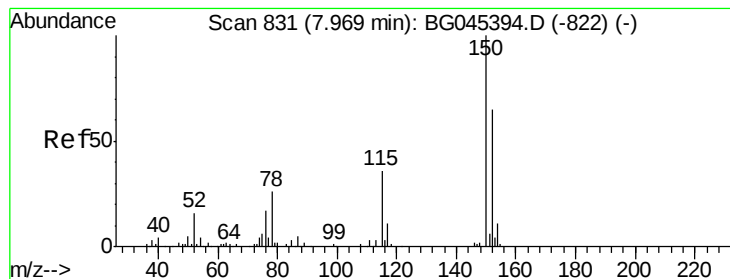
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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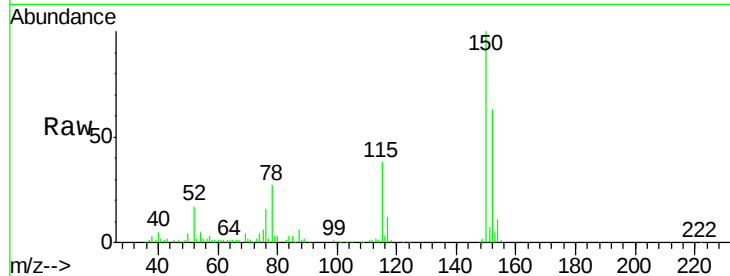


#1

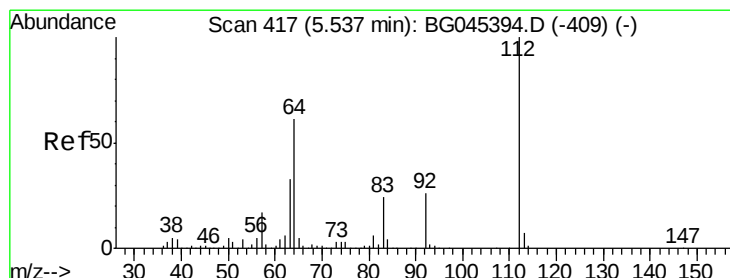
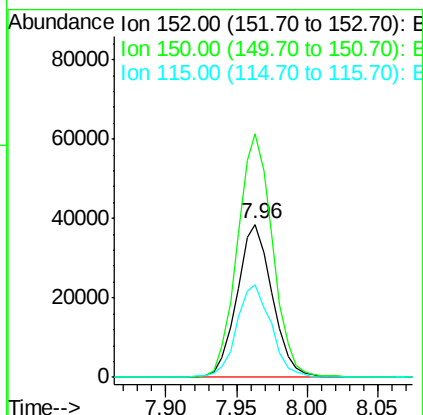
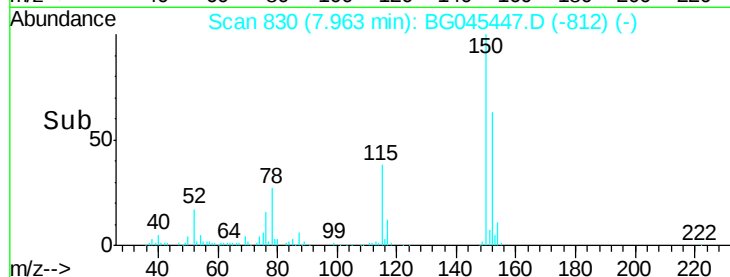
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG045447.D
Acq: 21 May 2020 19:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 66982
Ion Ratio Lower Upper
152 100
150 158.9 122.4 183.6
115 60.1 44.2 66.4



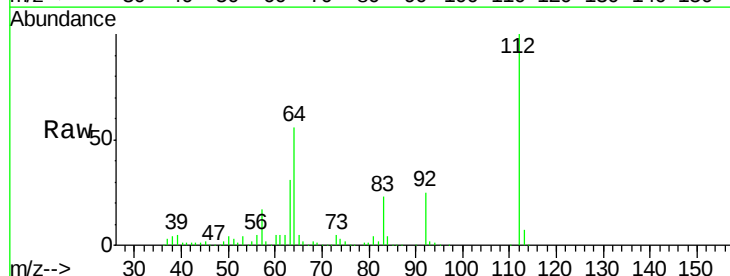
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



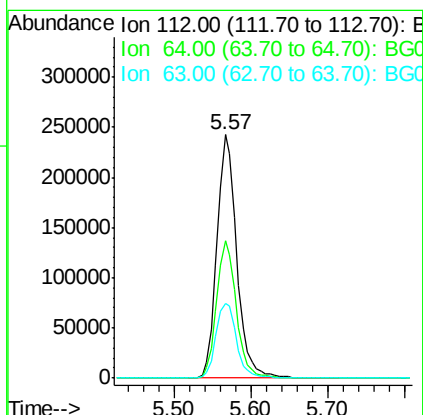
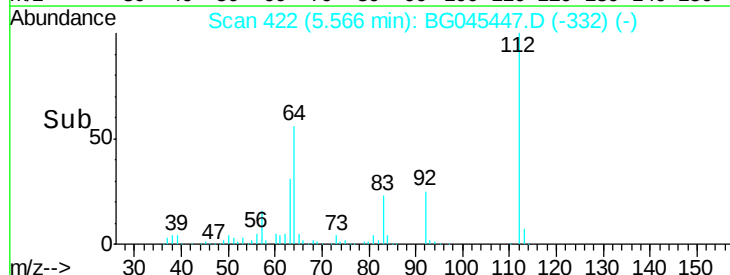
#5

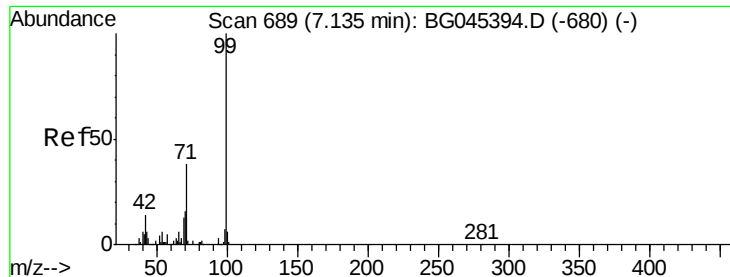
2-Fluorophenol
Concen: 125.100 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.00 min
Lab File: BG045447.D
Acq: 21 May 2020 19:42

Tgt Ion:112 Resp: 428771
Ion Ratio Lower Upper
112 100
64 56.3 48.6 72.8
63 30.8 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: 120.755 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

Instrument :

BNA_G

ClientSampleId :

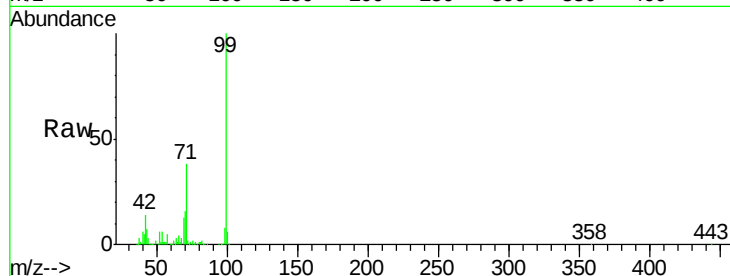
Tot Ion: 99 Resp: 589072

Ion Ratio Lower Upper

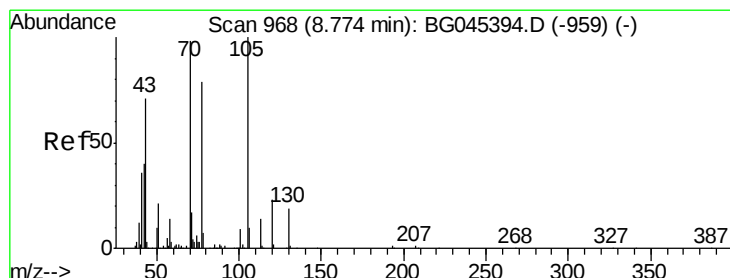
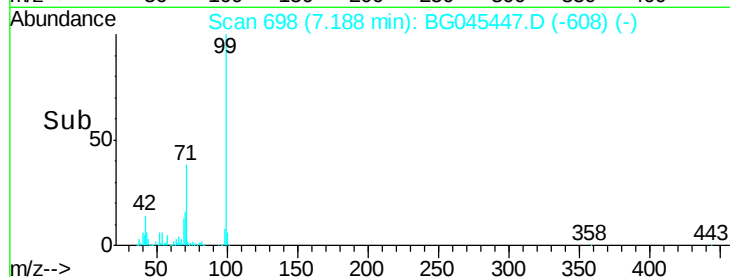
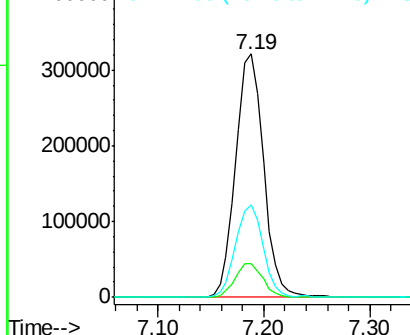
99 100

42 13.7 11.3 16.9

71 38.2 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: 5.991 ng

RT: 8.66 min Scan# 949

Delta R.T. -0.11 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

Tgt Ion: 70 Resp: 20210

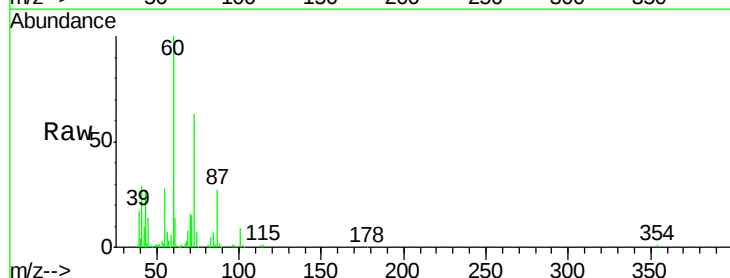
Ion Ratio Lower Upper

70 100

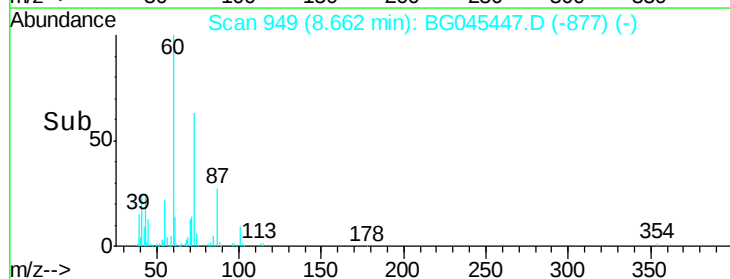
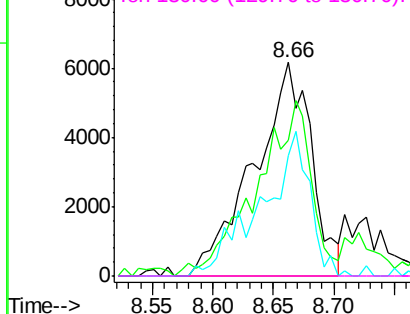
42 63.7 33.2 49.8#

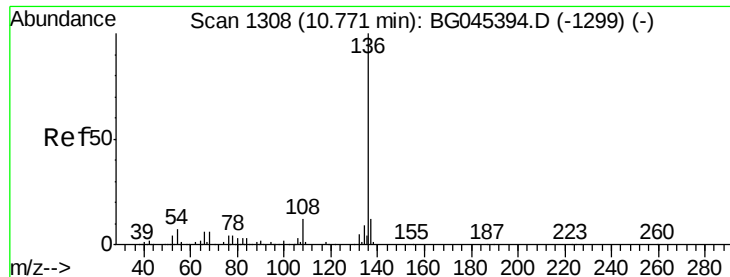
101 56.1 7.8 11.6#

130 0.0 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: 10.77 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BG045447.D

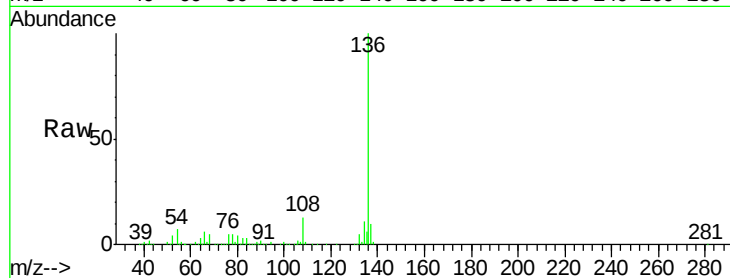
Acq: 21 May 2020 19:42

Instrument :

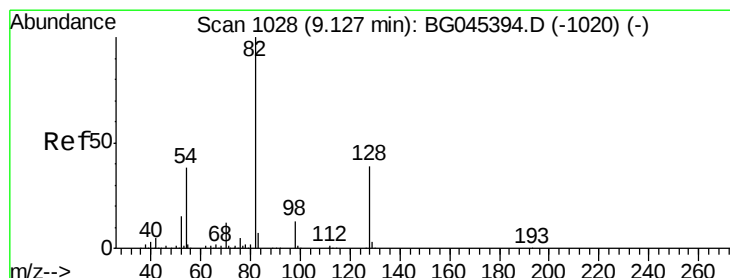
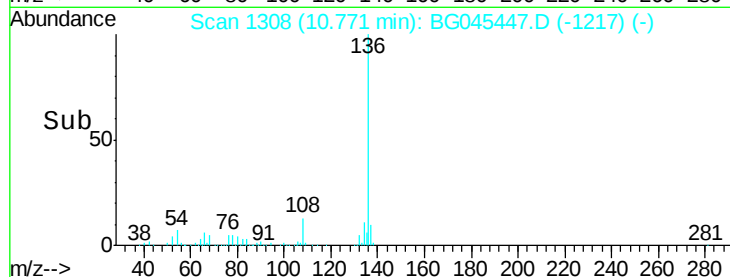
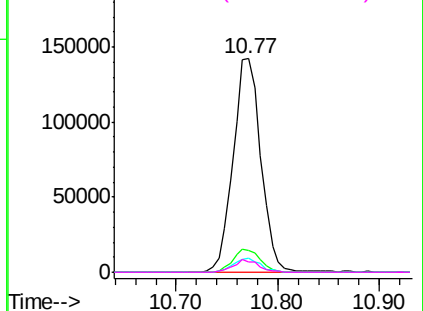
BNA_G

ClientSampleId :

Tot Ion:136	Resp:	269797
Ion Ratio	Lower	Upper
136 100		
137 10.2	9.4	14.2
54 6.8	5.8	8.6
68 4.7	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: 96.902 ng

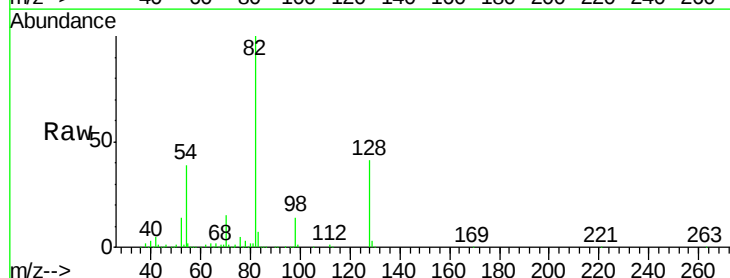
RT: 9.13 min Scan# 1028

Delta R.T. 0.00 min

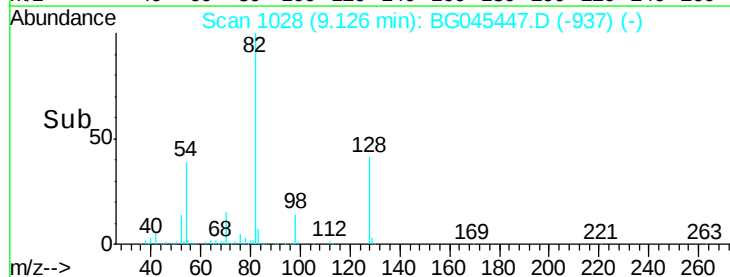
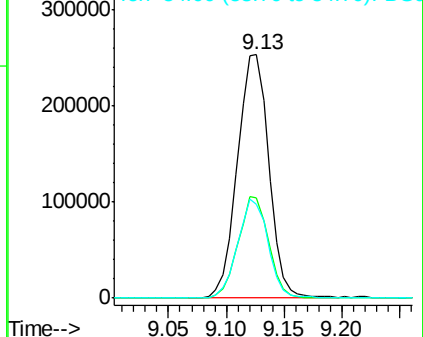
Lab File: BG045447.D

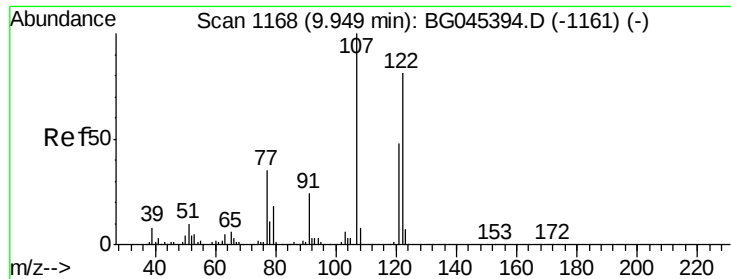
Acq: 21 May 2020 19:42

Tgt	Ion: 82	Resp:	479426
Ion	Ratio	Lower	Upper
82	100		
128	41.0	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

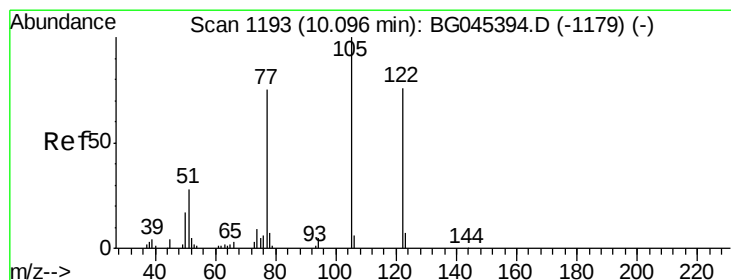
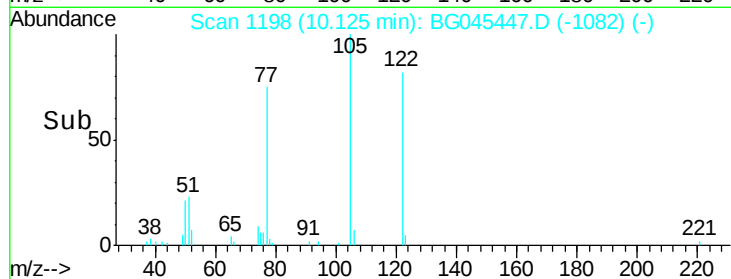
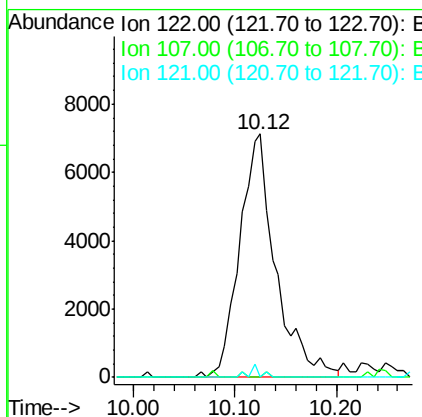
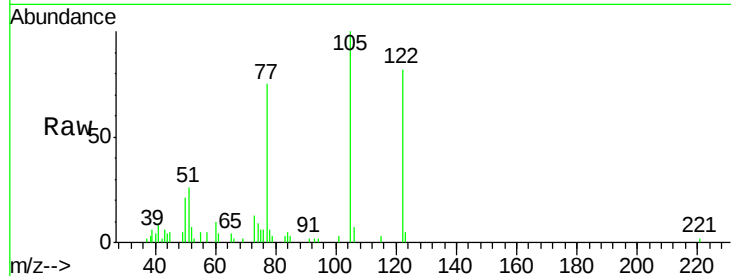




#27
 2,4-Dimethylphenol
 Concen: 5.224 ng
 RT: 10.12 min Scan# 1198
 Delta R.T. 0.15 min
 Lab File: BG045447.D
 Acq: 21 May 2020 19:42

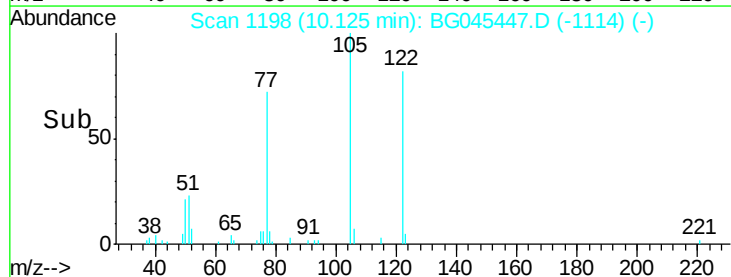
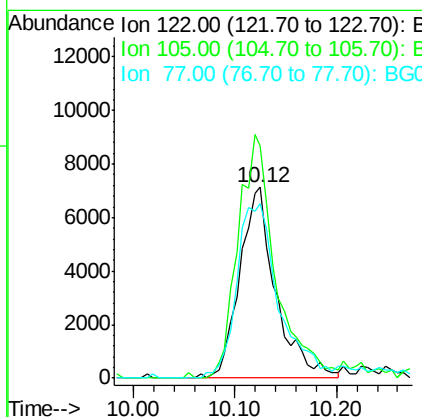
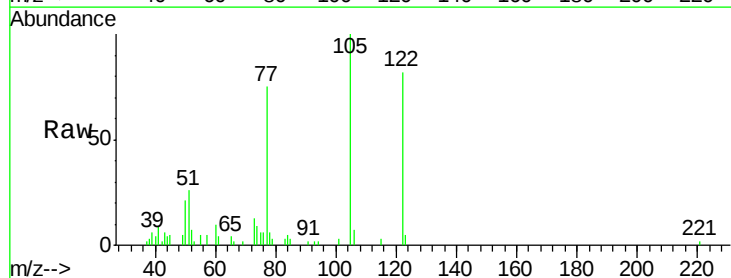
Instrument :
 BNA_G
 ClientSampleId :

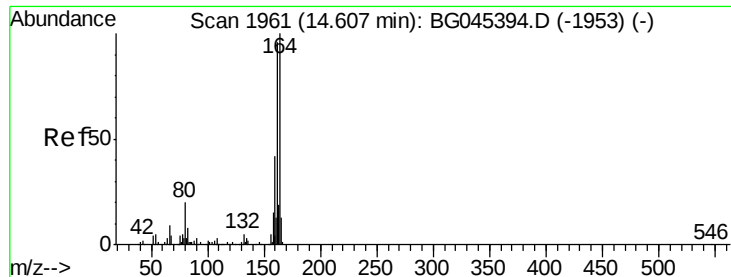
Tot Ion:122 Resp: 17570
 Ion Ratio Lower Upper
 122 100
 107 0.0 99.0 148.4#
 121 0.0 47.7 71.5#



#32
 Benzoic acid
 Concen: 16.100 ng
 RT: 10.12 min Scan# 1198
 Delta R.T. -0.04 min
 Lab File: BG045447.D
 Acq: 21 May 2020 19:42

Tgt Ion:122 Resp: 17570
 Ion Ratio Lower Upper
 122 100
 105 121.6 107.9 147.9
 77 91.5 78.9 118.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

Instrument :

BNA_G

ClientSampleId :

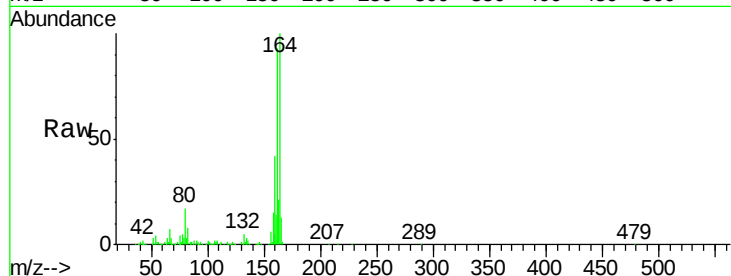
Tot Ion:164 Resp: 203500

Ion Ratio Lower Upper

164 100

162 93.1 76.9 115.3

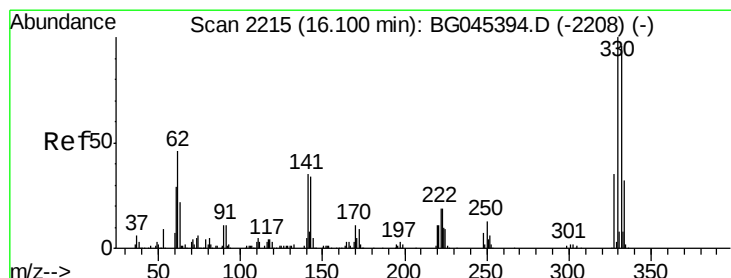
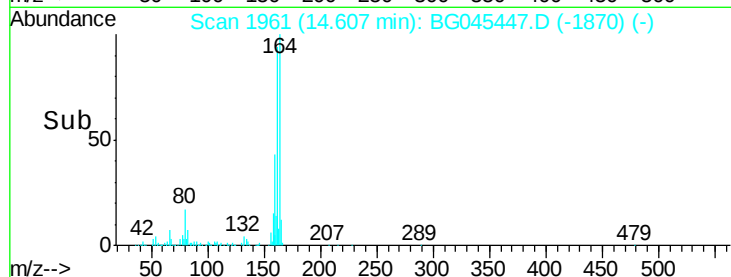
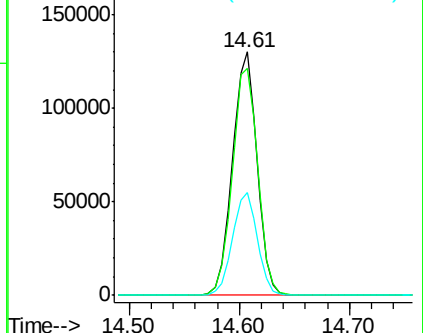
160 42.3 33.8 50.8



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: 174.993 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

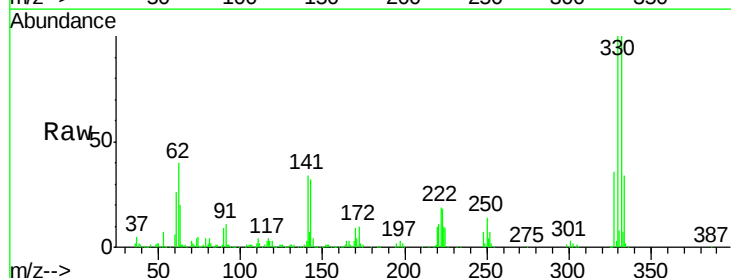
Tgt Ion:330 Resp: 455426

Ion Ratio Lower Upper

330 100

332 97.9 78.2 117.4

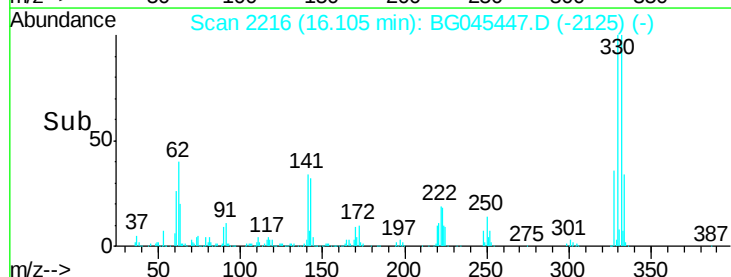
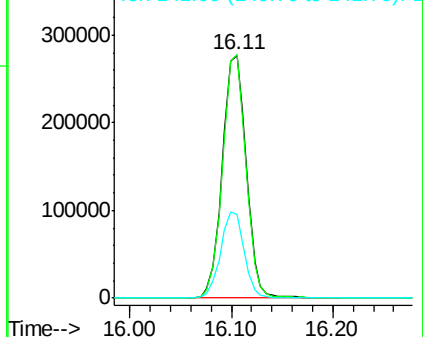
141 35.1 28.2 42.4

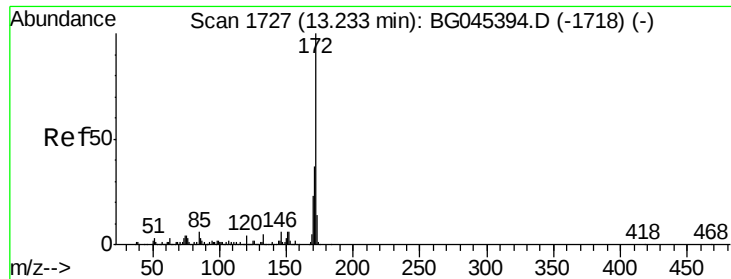


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

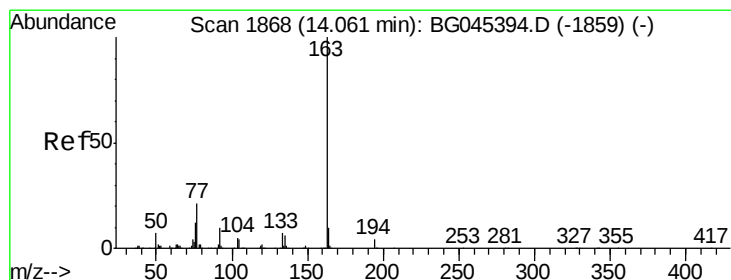
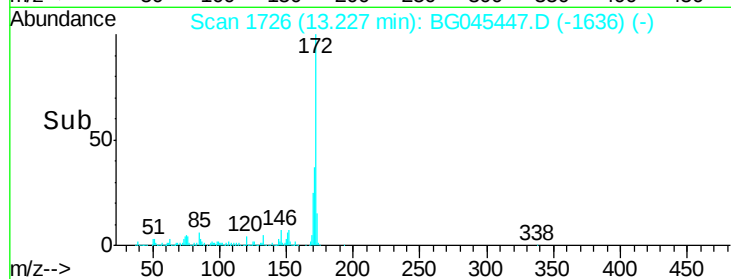
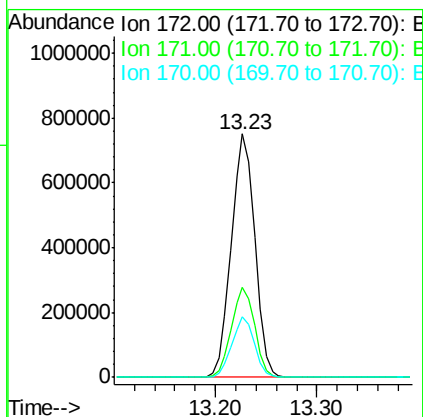
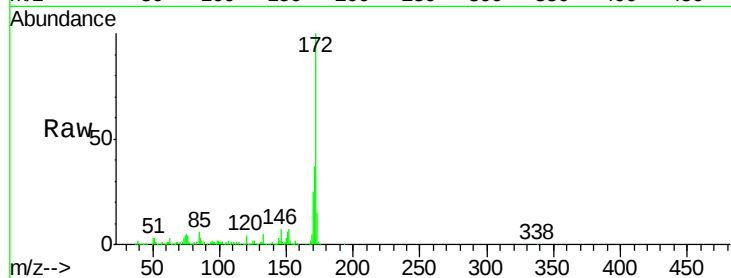




#45
2-Fluorobiphenyl
Concen: 100.958 ng
RT: 13.23 min Scan# 1726
Delta R.T. -0.00 min
Lab File: BG045447.D
Acq: 21 May 2020 19:42

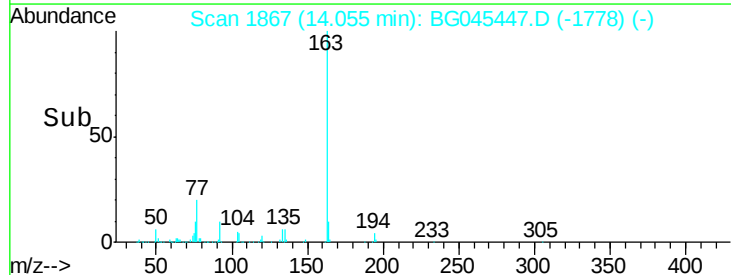
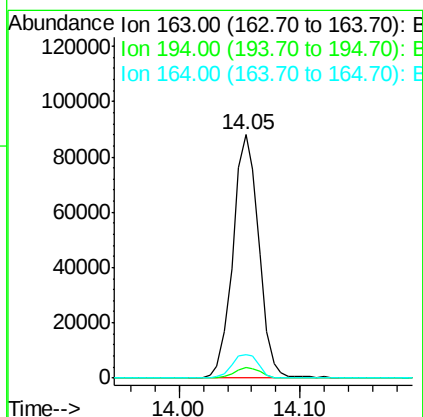
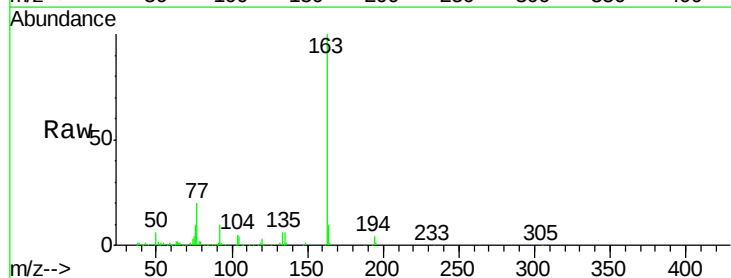
Instrument :
BNA_G
ClientSampled :

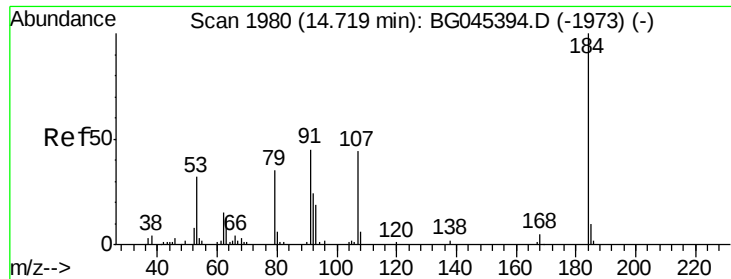
Tot Ion:172 Resp: 1211235
Ion Ratio Lower Upper
172 100
171 36.8 29.5 44.3
170 24.7 18.5 27.7



#50
Dimethylphthalate
Concen: 9.399 ng
RT: 14.05 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BG045447.D
Acq: 21 May 2020 19:42

Tgt Ion:163 Resp: 131203
Ion Ratio Lower Upper
163 100
194 4.5 3.2 4.8
164 9.7 8.3 12.5

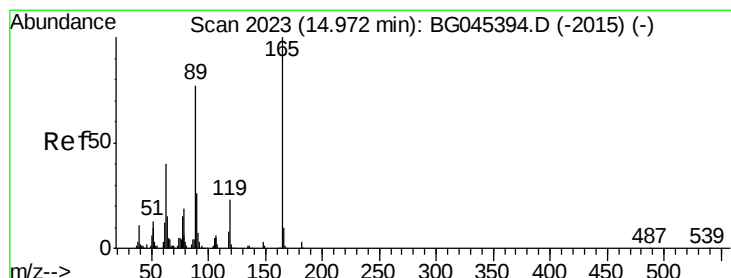
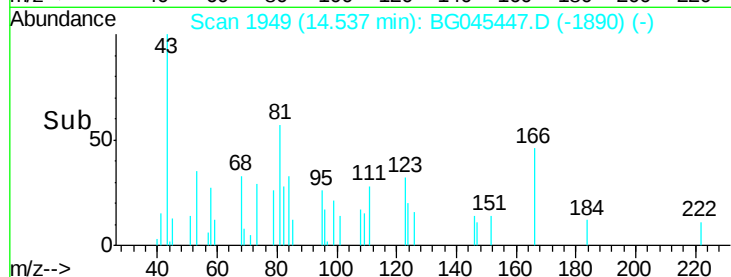
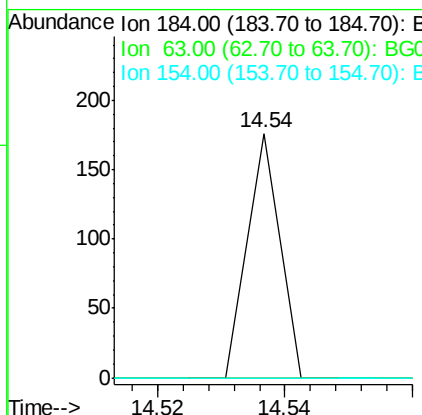
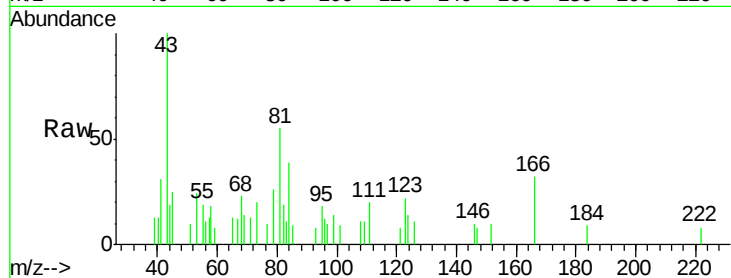




#54
 2,4-Dinitrophenol
 Concen: 5.487 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.18 min
 Lab File: BG045447.D
 Acq: 21 May 2020 19:42

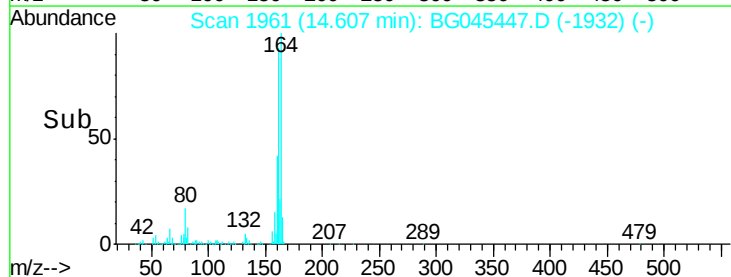
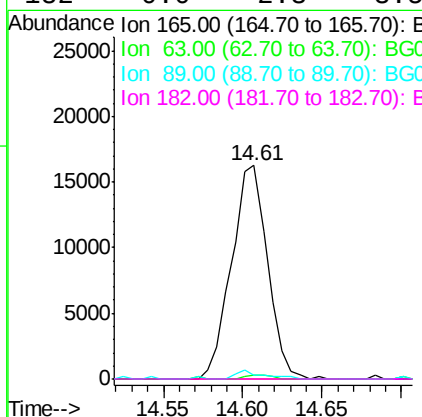
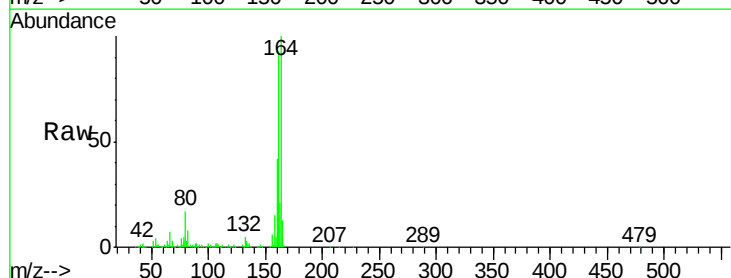
Instrument :
 BNA_G
 ClientSampled :

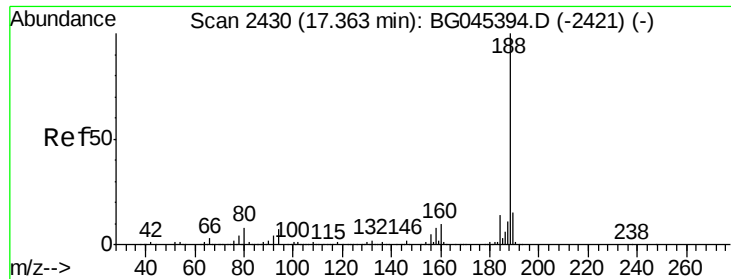
Tot Ion:184 Resp: 62
 Ion Ratio Lower Upper
 184 100
 63 0.0 47.8 71.6#
 154 0.0 58.3 87.5#



#57
 2,4-Dinitrotoluene
 Concen: 5.597 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.36 min
 Lab File: BG045447.D
 Acq: 21 May 2020 19:42

Tgt Ion:165 Resp: 25532
 Ion Ratio Lower Upper
 165 100
 63 2.0 32.5 48.7#
 89 1.7 61.8 92.6#
 182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

Instrument :

BNA_G

ClientSampleId :

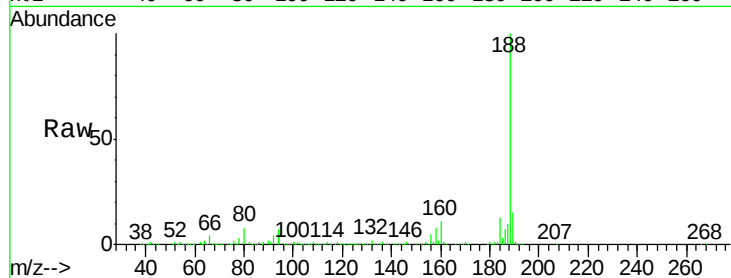
Tot Ion:188 Resp: 475826

Ion Ratio Lower Upper

188 100

94 7.2 5.5 8.3

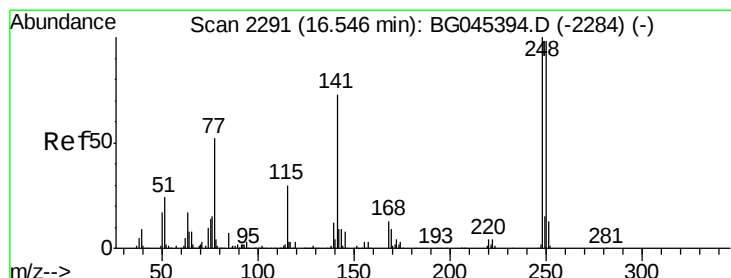
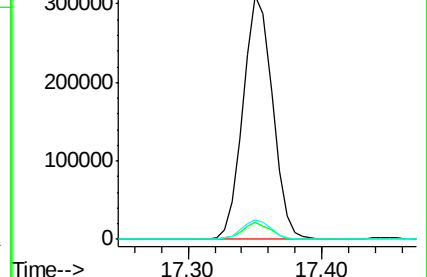
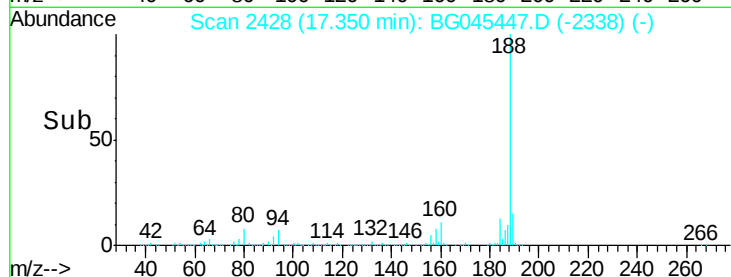
80 7.9 6.6 10.0



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: 5.866 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

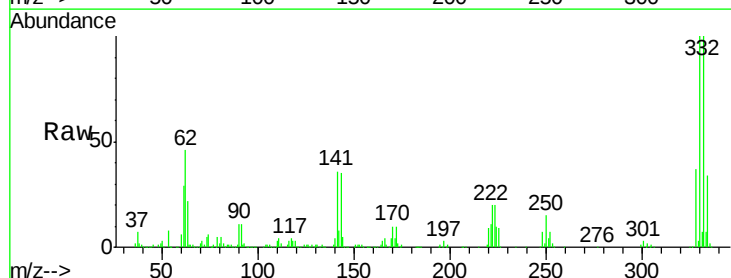
Tgt Ion:248 Resp: 30226

Ion Ratio Lower Upper

248 100

250 202.1 78.6 117.8#

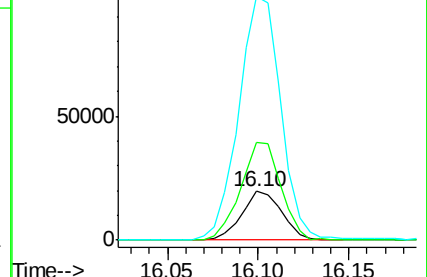
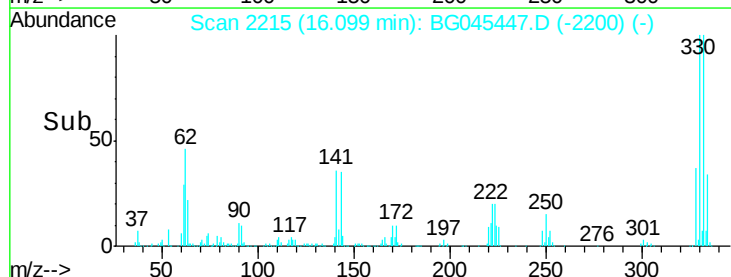
141 502.1 58.2 87.2#

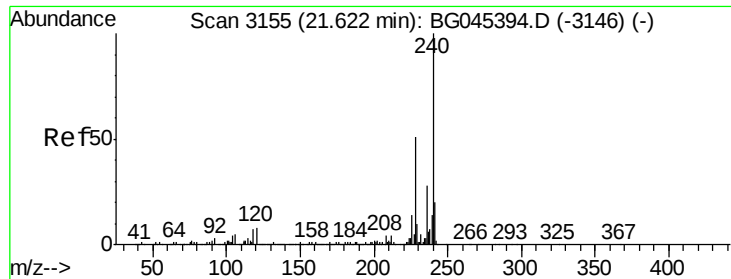


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

Instrument :

BNA_G

ClientSampleId :

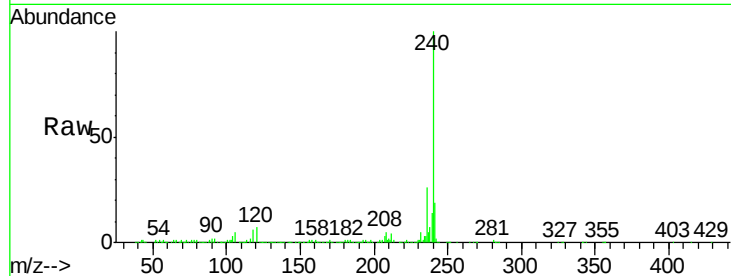
Tot Ion:240 Resp: 459150

Ion Ratio Lower Upper

240 100

120 6.7 6.1 9.1

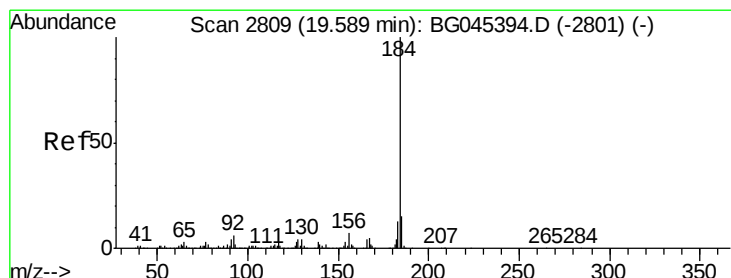
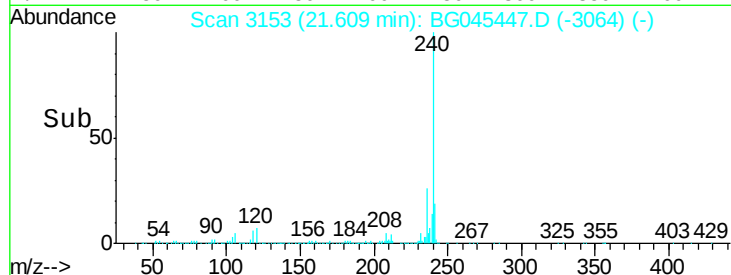
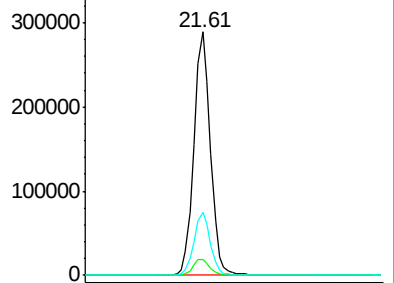
236 26.0 22.3 33.5



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: 3.324 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.39 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

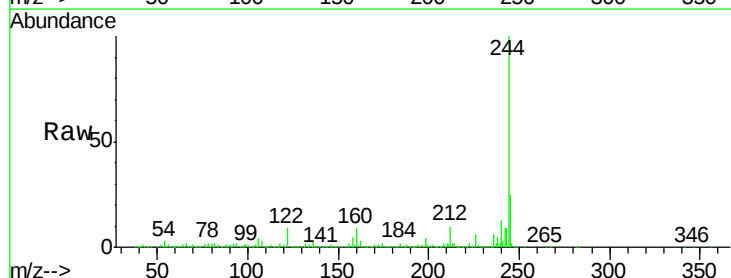
Tgt Ion:184 Resp: 42868

Ion Ratio Lower Upper

184 100

185 14.6 11.7 17.5

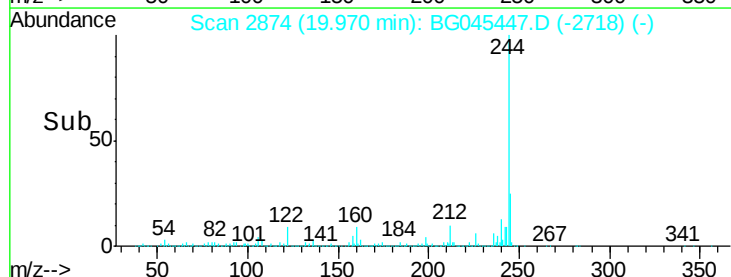
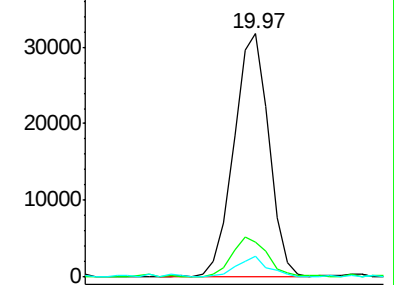
183 8.8 10.2 15.4#

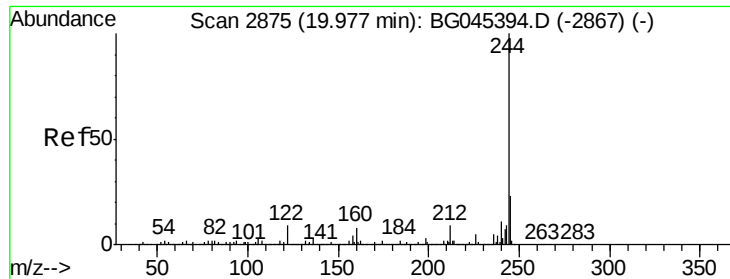


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 110.860 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.00 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

Instrument :

BNA_G

ClientSampleId :

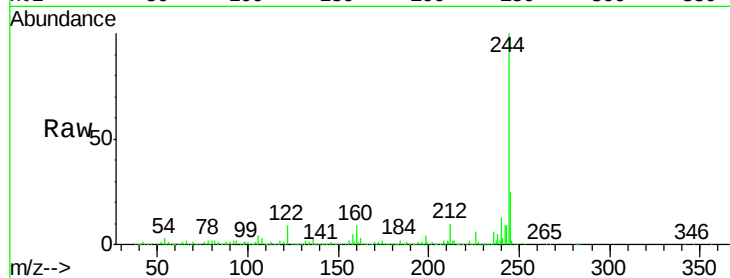
Tot Ion:244 Resp: 2182452

Ion Ratio Lower Upper

244 100

212 10.1 7.4 11.0

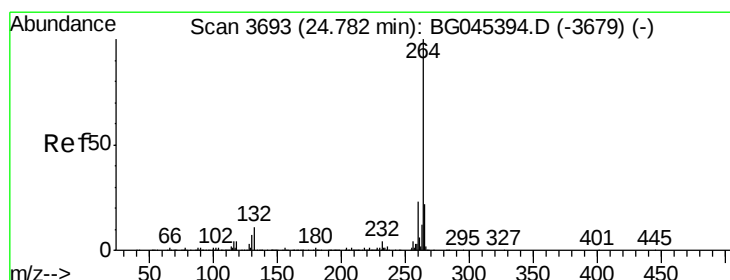
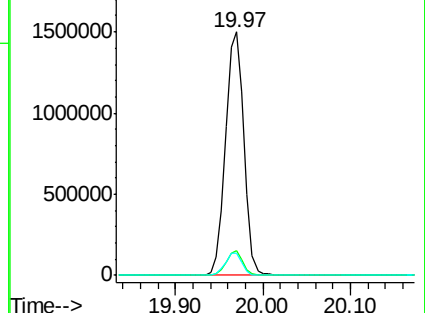
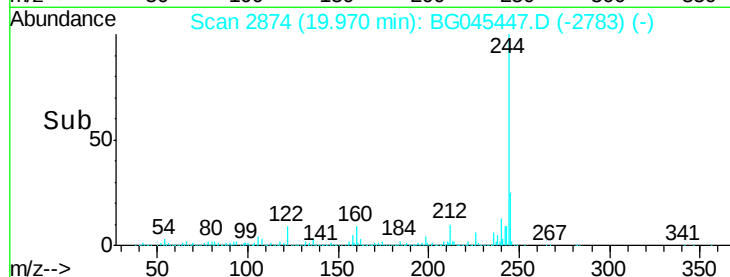
122 9.2 6.8 10.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.76 min Scan# 3689

Delta R.T. -0.01 min

Lab File: BG045447.D

Acq: 21 May 2020 19:42

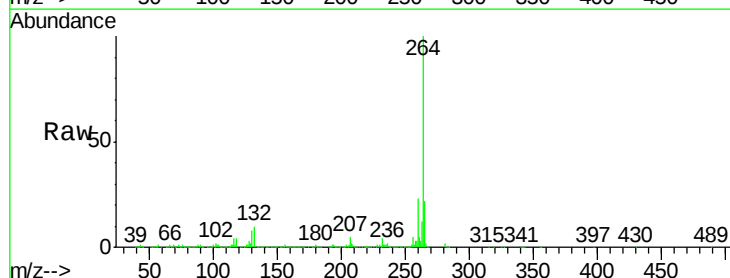
Tgt Ion:264 Resp: 495303

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 22.4 17.6 26.4



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

