

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051820\
 Data File : BG045416.D
 Acq On : 18 May 2020 17:08
 Operator : CG/JU
 Sample : PB128957TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128957TB

Quant Time: May 18 17:43:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 18 15:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	68803	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	282704	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	210681	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	502861	20.00	ng	0.00
76) Chrysene-d12	21.62	240	515178	20.00	ng	-0.01
87) Perylene-d12	24.78	264	525266	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	483071	137.21	ng	0.00
7) Phenol-d6	7.20	99	685950	136.89	ng	-0.01
23) Nitrobenzene-d5	9.13	82	484631	93.48	ng	-0.01
42) 2,4,6-Tribromophenol	16.11	330	372228	138.15	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1155690	93.05	ng	0.00
79) Terphenyl-d14	19.97	244	2198811	99.54	ng	0.00

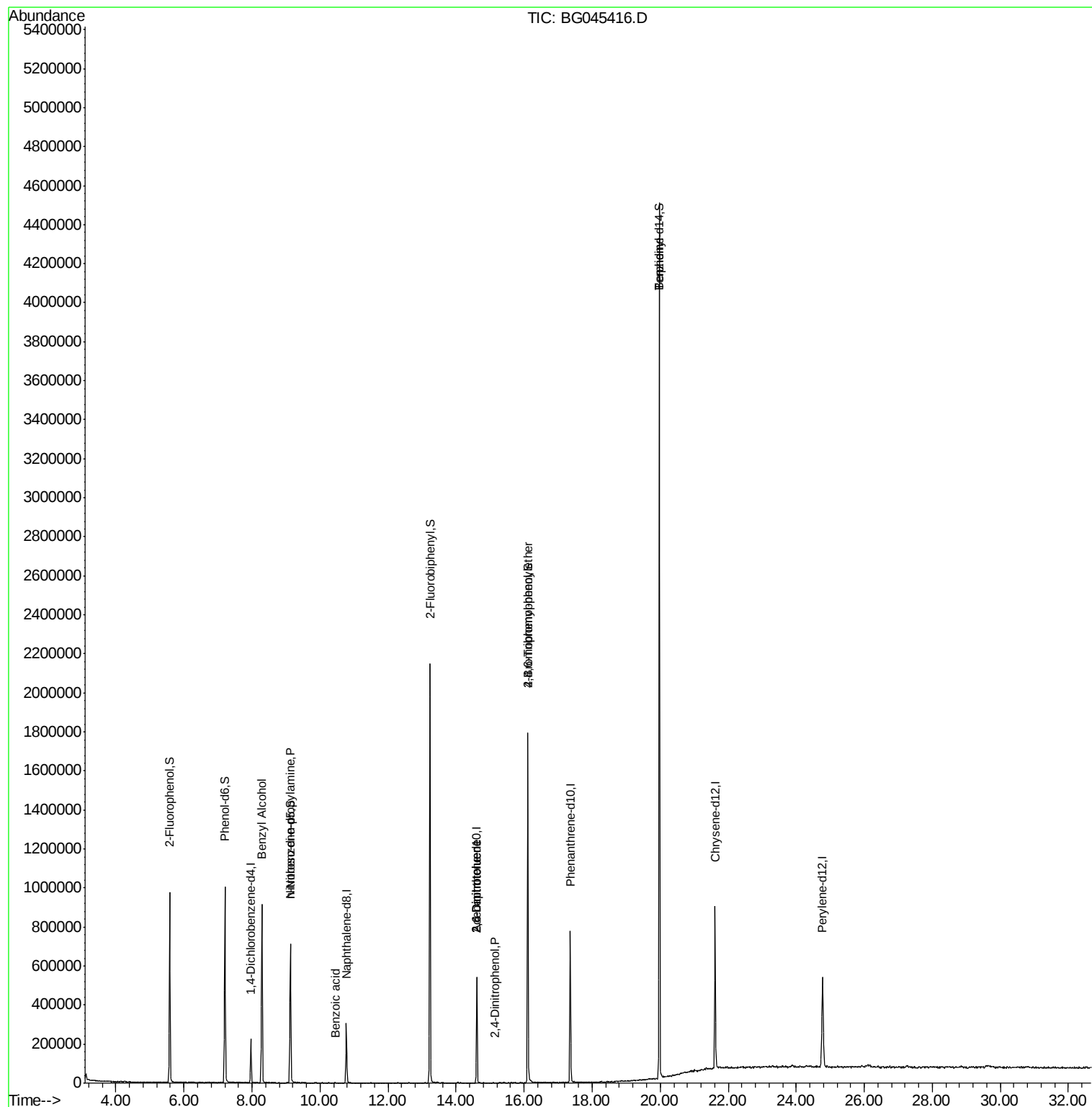
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.29	79	8994	2.173	ng	# 47
19) n-Nitroso-di-n-propylamine	9.13	70	66405	19.164	ng	# 83
32) Benzoic acid	10.45	122	63	10.043	ng	# 1
51) 2,6-Dinitrotoluene	14.61	165	27656	8.480	ng	# 21
54) 2,4-Dinitrophenol	15.14	184	61	5.486	ng	# 17
57) 2,4-Dinitrotoluene	14.61	165	27656	5.855	ng	# 21
67) 4-Bromophenyl-phenylether	16.11	248	25438	4.672	ng	# 1
77) Benzidine	19.97	184	43391	2.999	ng	# 93

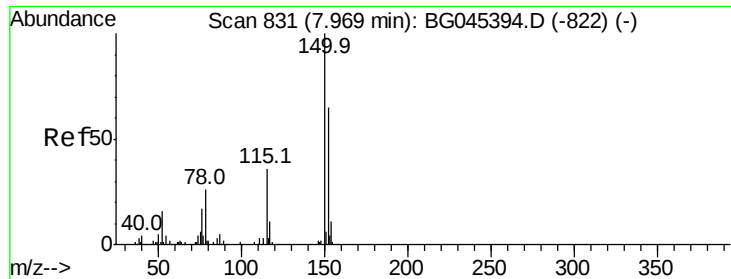
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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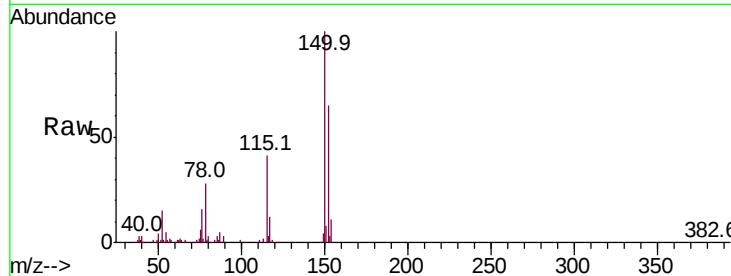


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG045416.D
Acq: 18 May 2020 17:08

Instrument :
BNA_G
ClientSampleId :
PB128957TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	122.4	183.6
115	62.5	44.2	66.4

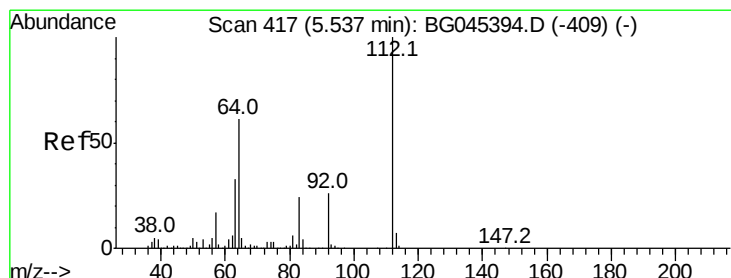
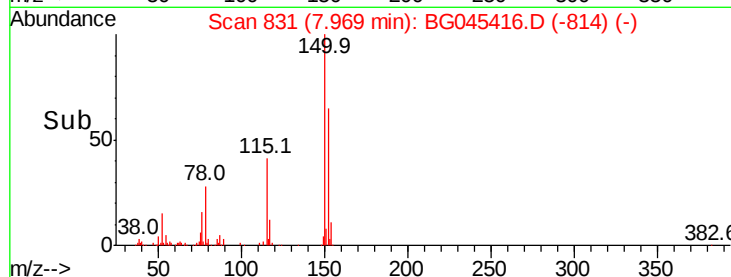
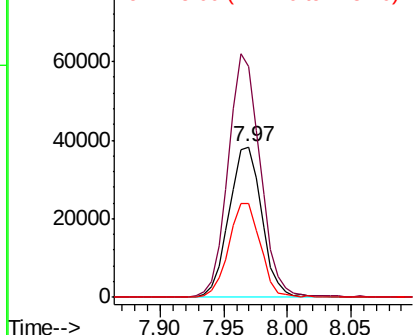


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

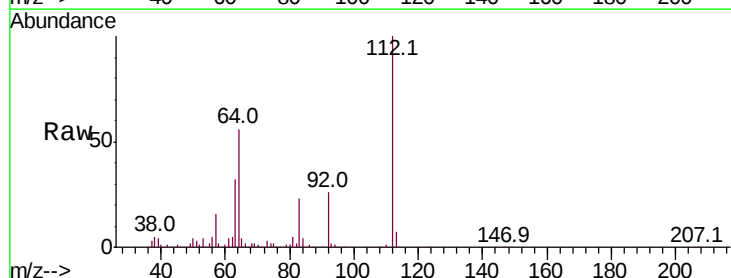
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 137.213 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.01 min
Lab File: BG045416.D
Acq: 18 May 2020 17:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	48.6	72.8
63	32.0	26.5	39.7

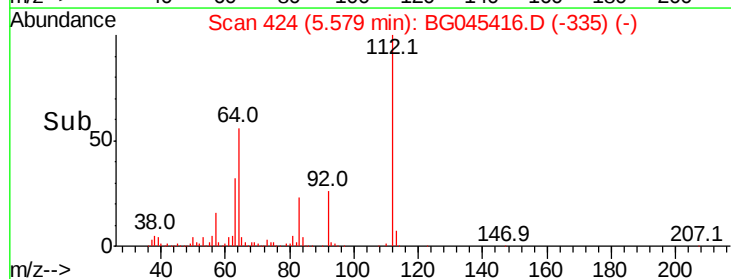
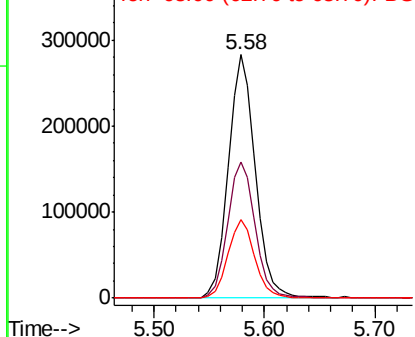


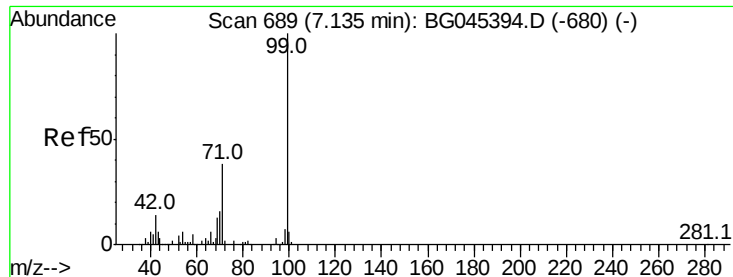
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 136.892 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

Instrument :

BNA_G

ClientSampleId :

PB128957TB

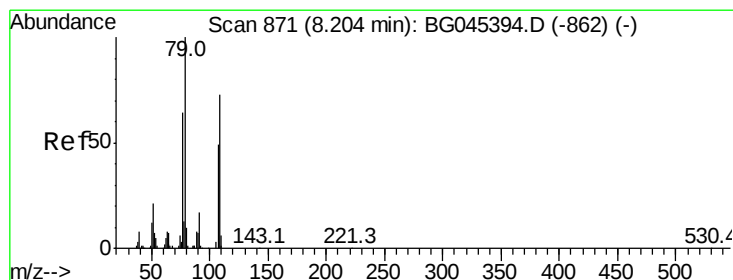
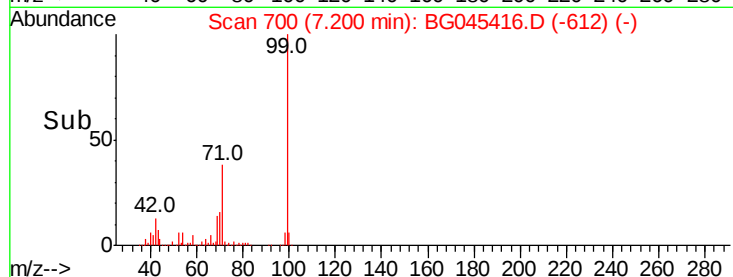
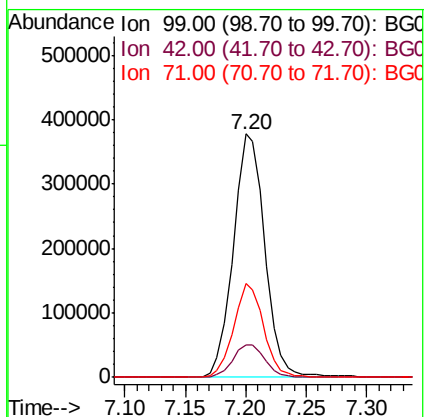
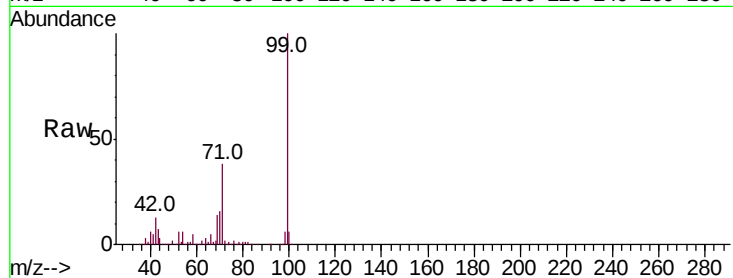
Tot Ion: 99 Resp: 685950

Ion Ratio Lower Upper

99 100

42 13.4 11.3 16.9

71 38.3 30.8 46.2



#15

Benzyl Alcohol

Concen: 2.173 ng

RT: 8.29 min Scan# 886

Delta R.T. 0.06 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

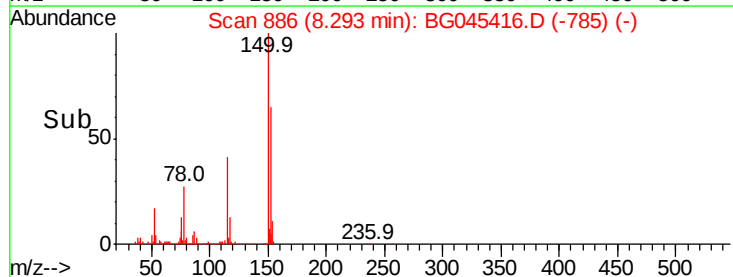
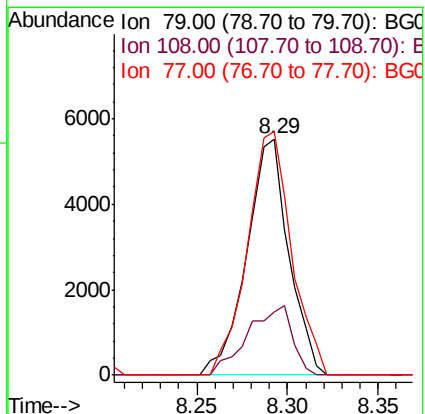
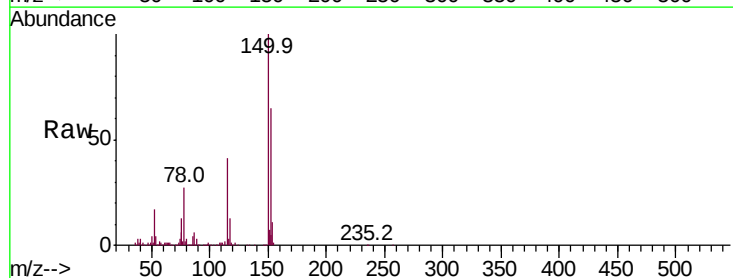
Tgt Ion: 79 Resp: 8994

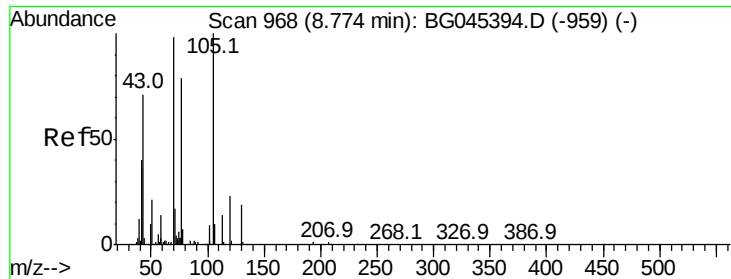
Ion Ratio Lower Upper

79 100

108 26.9 58.2 87.4#

77 103.0 51.0 76.4#

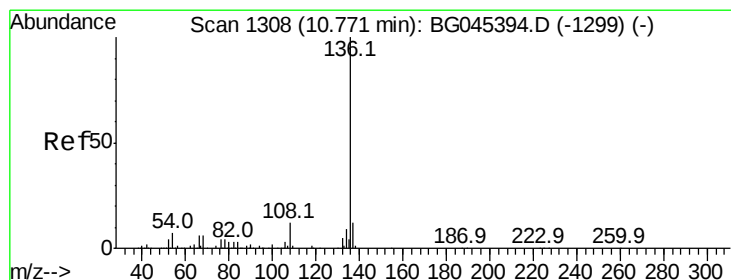
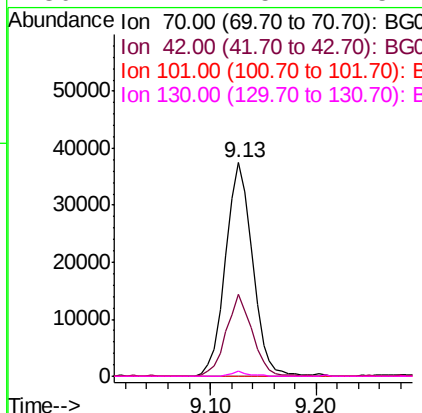
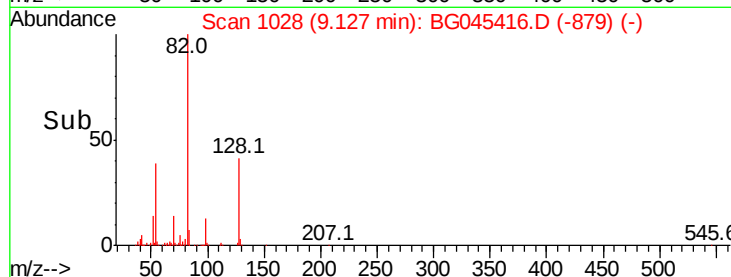
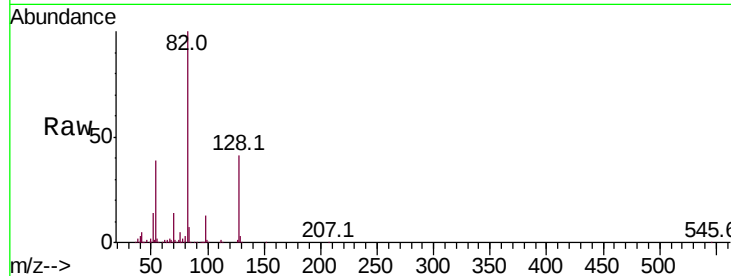




#19
n-Nitroso-di-n-propylamine
Concen: 19.164 ng
RT: 9.13 min Scan# 1028
Delta R.T. 0.35 min
Lab File: BG045416.D
Acq: 18 May 2020 17:08

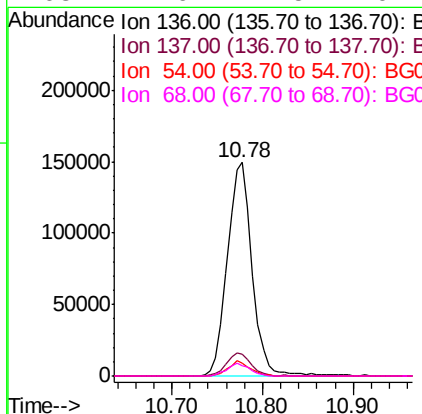
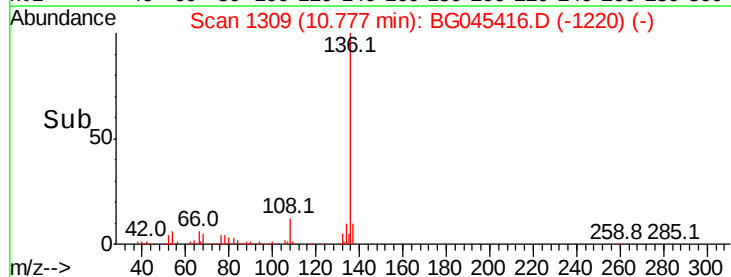
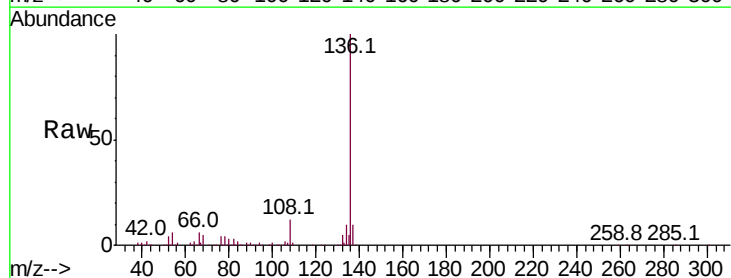
Instrument :
BNA_G
ClientSampleId :
PB128957TB

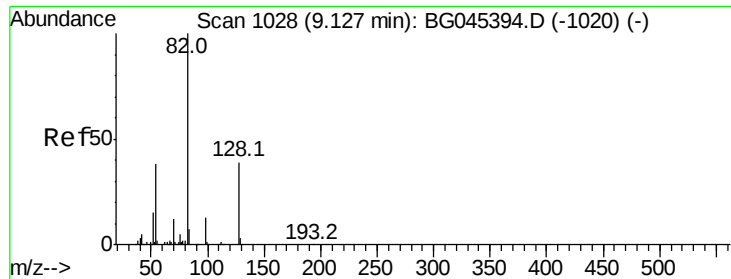
Tot Ion: 70 Resp: 66405
Ion Ratio Lower Upper
70 100
42 38.1 33.2 49.8
101 0.0 7.8 11.6#
130 2.1 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BG045416.D
Acq: 18 May 2020 17:08

Tgt Ion: 136 Resp: 282704
Ion Ratio Lower Upper
136 100
137 10.0 9.4 14.2
54 5.9 5.8 8.6
68 4.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 93.482 ng

RT: 9.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

Instrument :

BNA_G

ClientSampleId :

PB128957TB

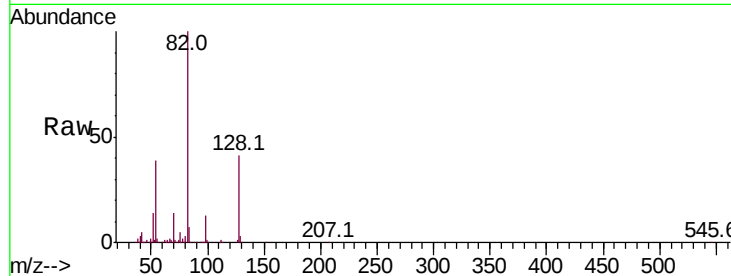
Tot Ion: 82 Resp: 484631

Ion Ratio Lower Upper

82 100

128 41.0 30.9 46.3

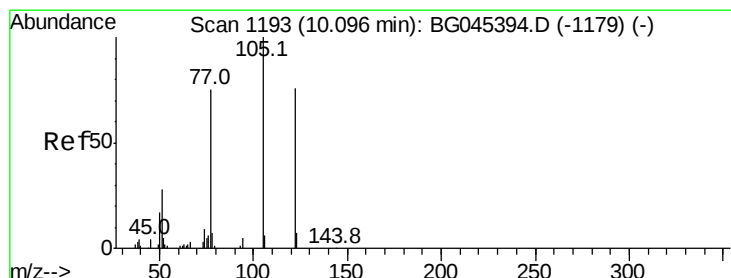
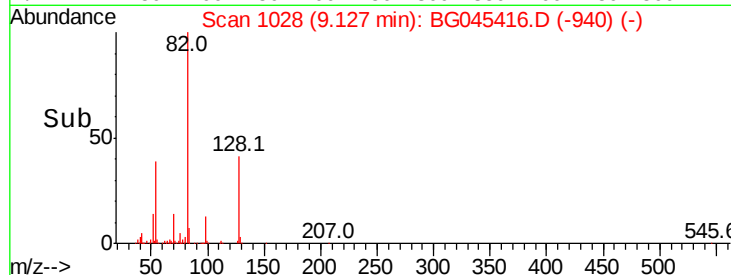
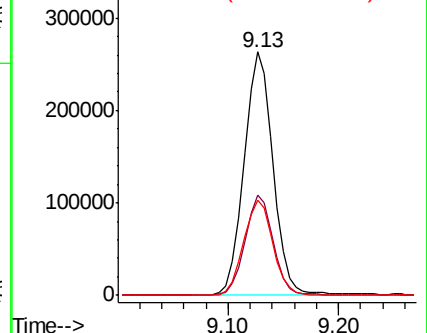
54 39.0 30.3 45.5



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: 10.043 ng

RT: 10.45 min Scan# 1253

Delta R.T. 0.26 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

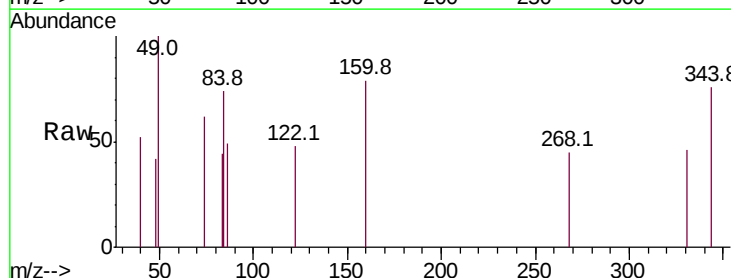
Tgt Ion: 122 Resp: 63

Ion Ratio Lower Upper

122 100

105 0.0 107.9 147.9#

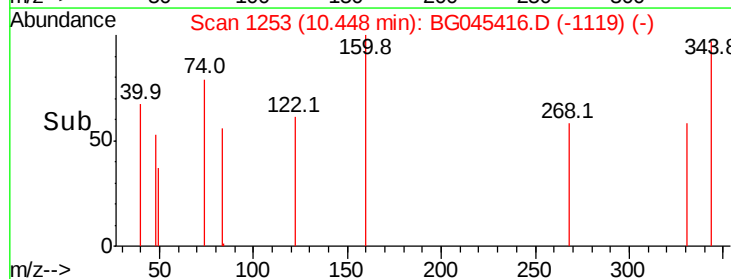
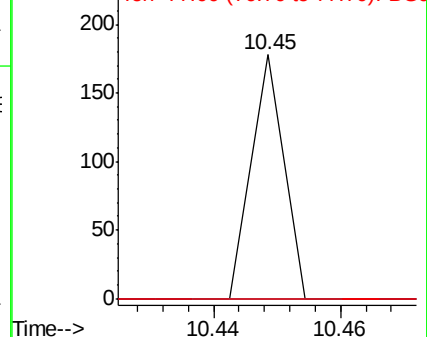
77 0.0 78.9 118.9#

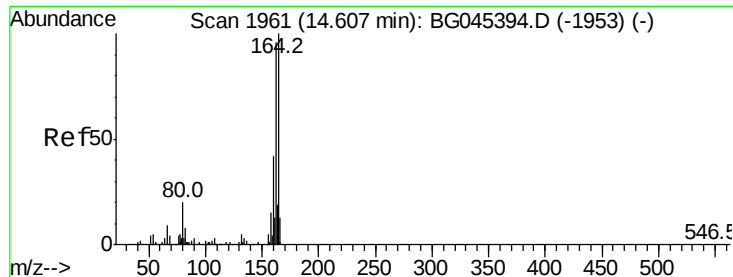


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

Instrument :

BNA_G

ClientSampleId :

PB128957TB

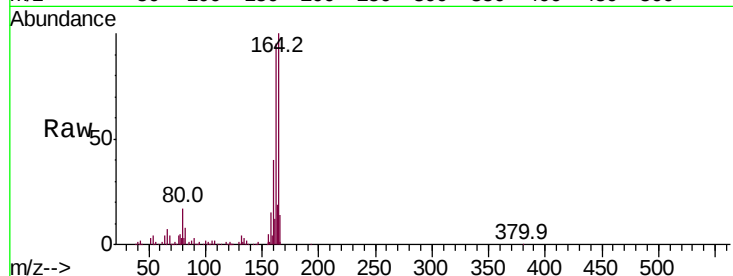
Tot Ion:164 Resp: 210681

Ion Ratio Lower Upper

164 100

162 95.2 76.9 115.3

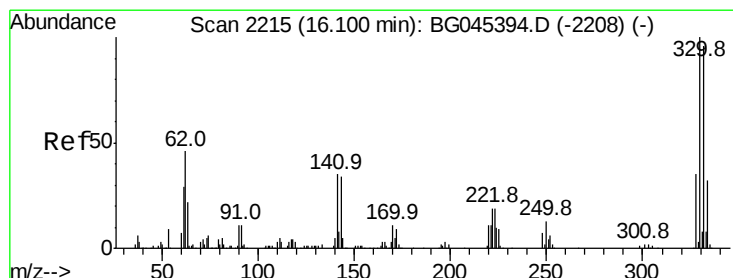
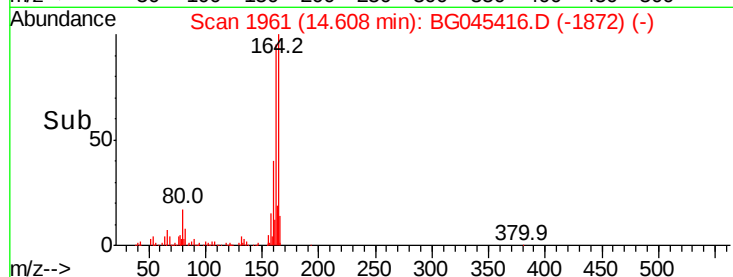
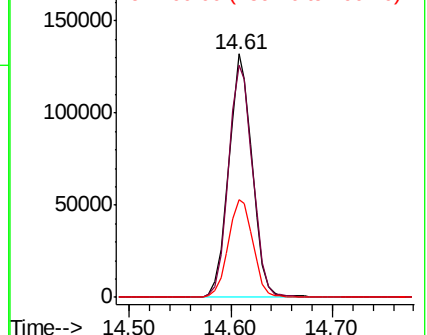
160 40.2 33.8 50.8



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: 138.150 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

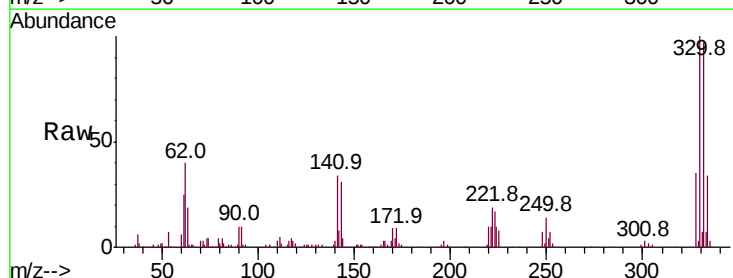
Tgt Ion:330 Resp: 372228

Ion Ratio Lower Upper

330 100

332 97.3 78.2 117.4

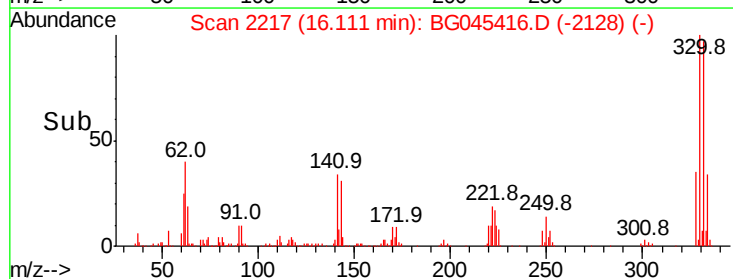
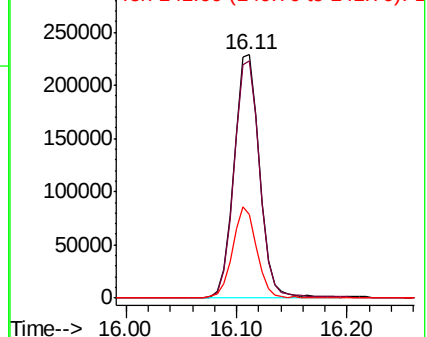
141 35.6 28.2 42.4

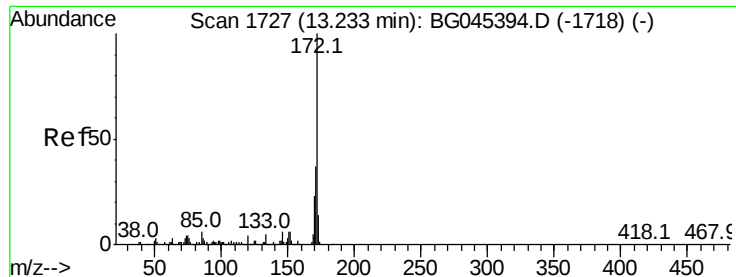


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 93.045 ng

RT: 13.23 min Scan# 1727

Delta R.T. -0.01 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

Instrument :

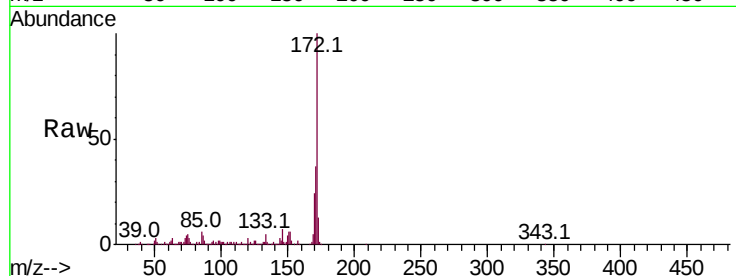
BNA_G

ClientSampleId :

PB128957TB

Tot Ion:172 Resp: 1155690

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.5	44.3
170	24.5	18.5	27.7

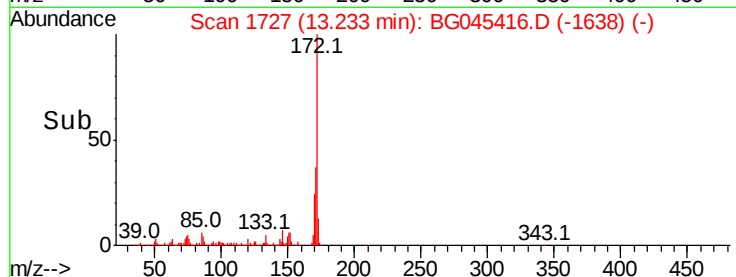
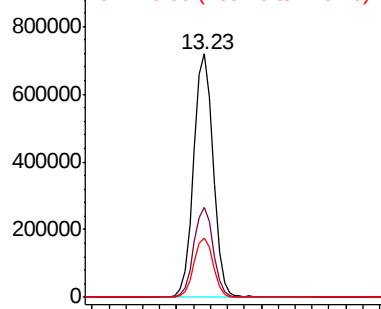


Abundance

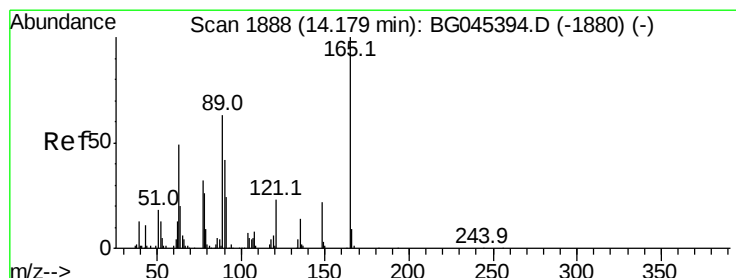
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#51

2,6-Dinitrotoluene

Concen: 8.480 ng

RT: 14.61 min Scan# 1961

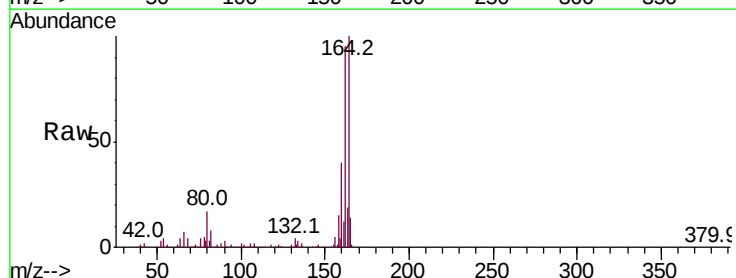
Delta R.T. 0.42 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

Tgt Ion:165 Resp: 27656

Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.4#
89	0.0	50.2	75.4#

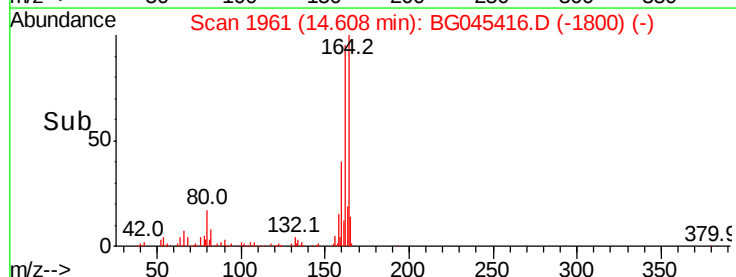
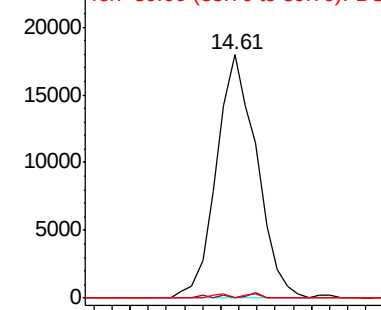


Abundance

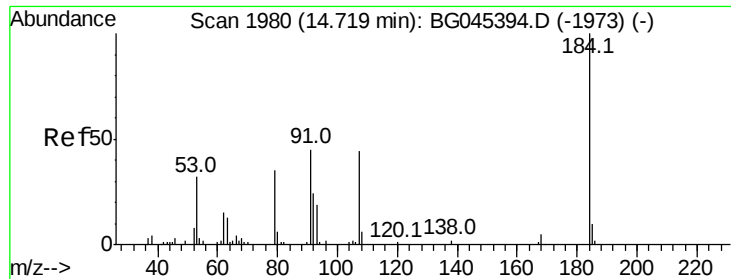
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



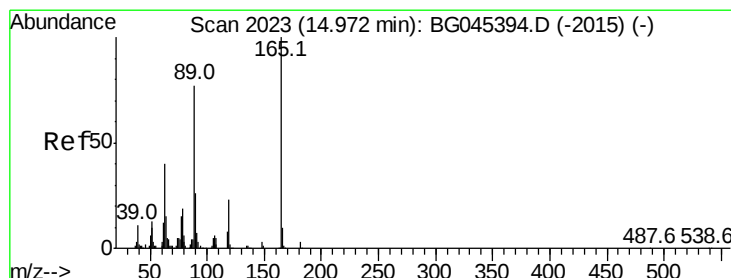
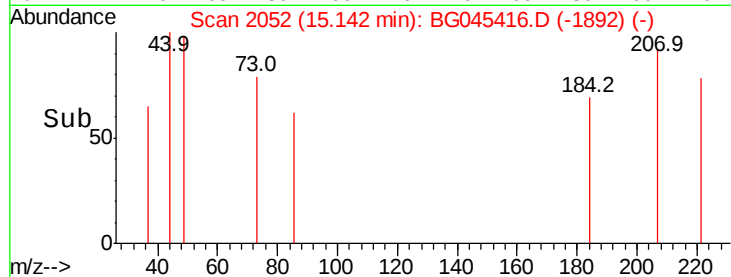
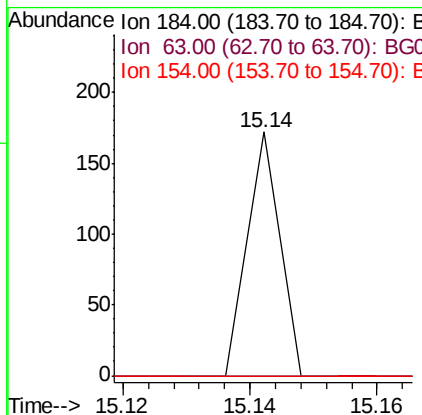
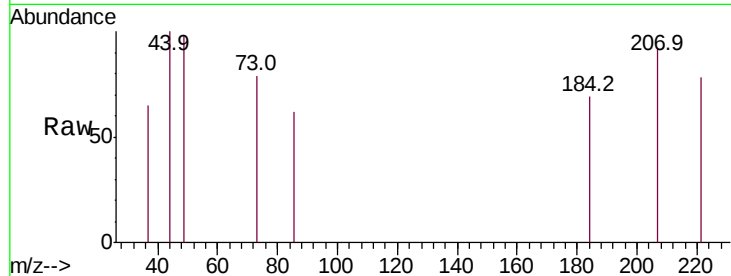
Time-->



#54
 2,4-Dinitrophenol
 Concen: 5.486 ng
 RT: 15.14 min Scan# 2052
 Delta R.T. 0.41 min
 Lab File: BG045416.D
 Acq: 18 May 2020 17:08

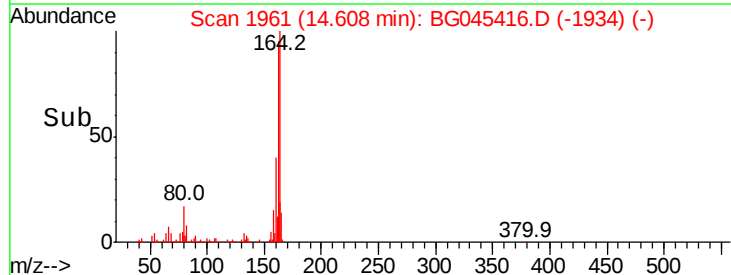
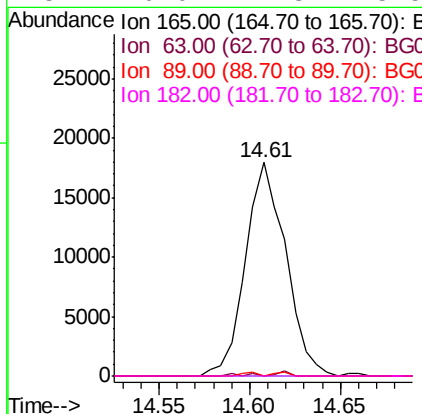
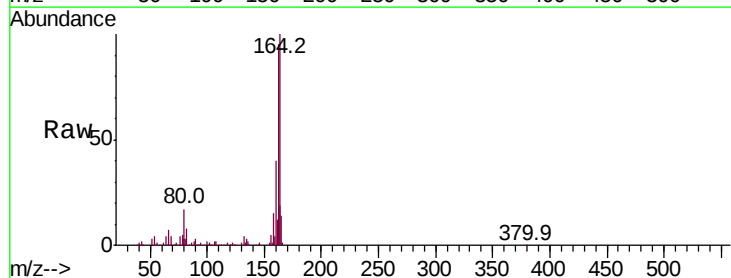
Instrument :
 BNA_G
 ClientSampleId :
 PB128957TB

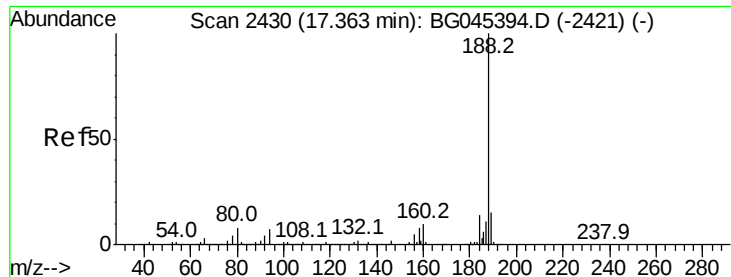
Tot Ion:184 Resp: 61
 Ion Ratio Lower Upper
 184 100
 63 0.0 47.8 71.6#
 154 0.0 58.3 87.5#



#57
 2,4-Dinitrotoluene
 Concen: 5.855 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.37 min
 Lab File: BG045416.D
 Acq: 18 May 2020 17:08

Tgt Ion:165 Resp: 27656
 Ion Ratio Lower Upper
 165 100
 63 0.0 32.5 48.7#
 89 0.0 61.8 92.6#
 182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

Instrument :

BNA_G

ClientSampleId :

PB128957TB

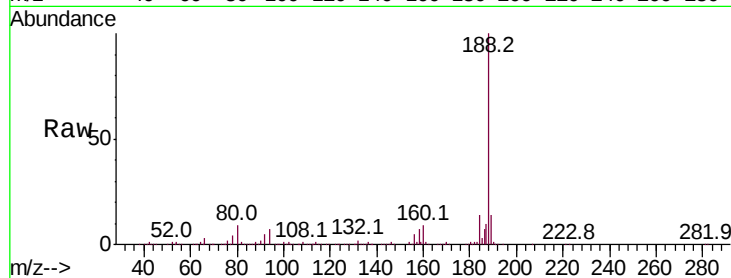
Tot Ion:188 Resp: 502861

Ion Ratio Lower Upper

188 100

94 6.6 5.5 8.3

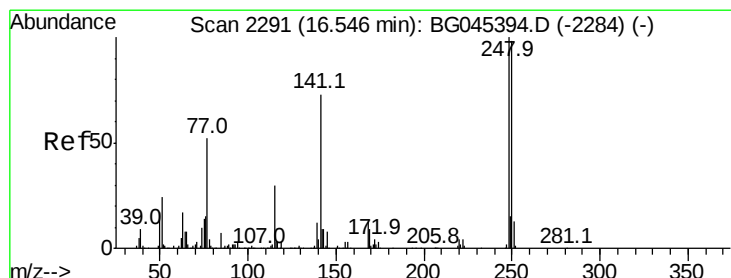
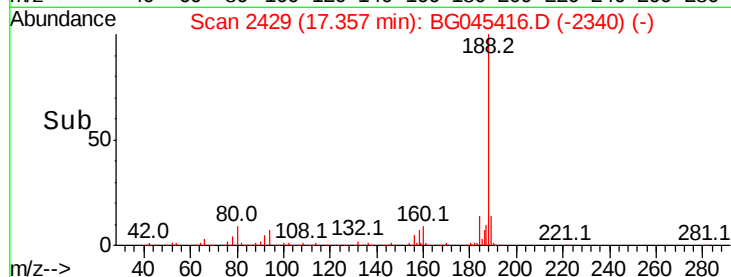
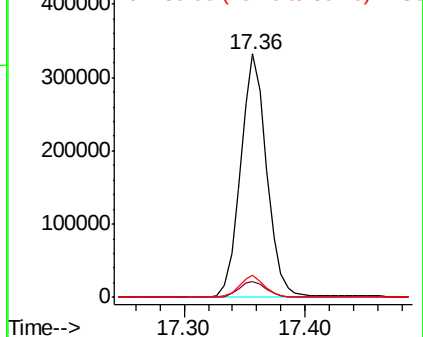
80 9.2 6.6 10.0



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: 4.672 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

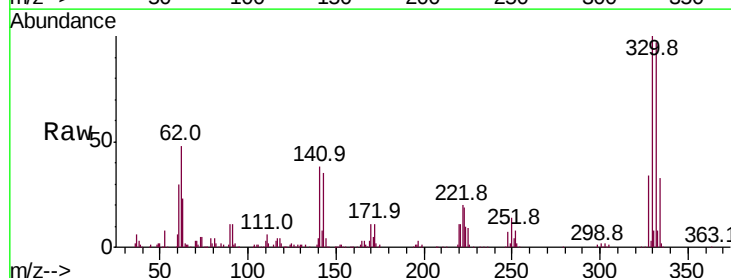
Tgt Ion:248 Resp: 25438

Ion Ratio Lower Upper

248 100

250 197.4 78.6 117.8#

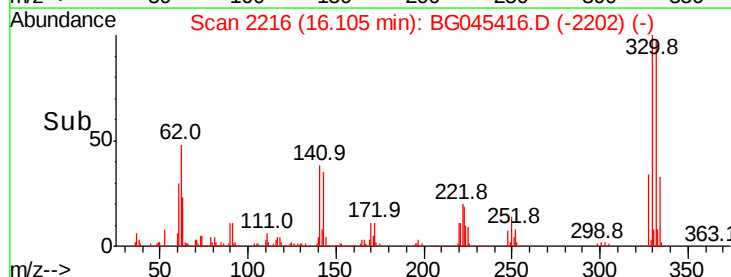
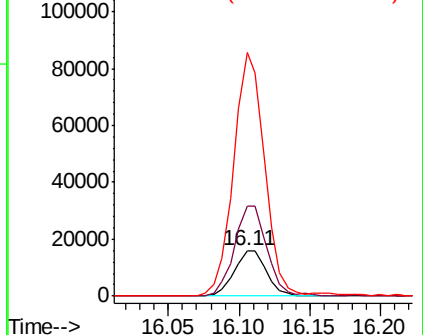
141 534.2 58.2 87.2#

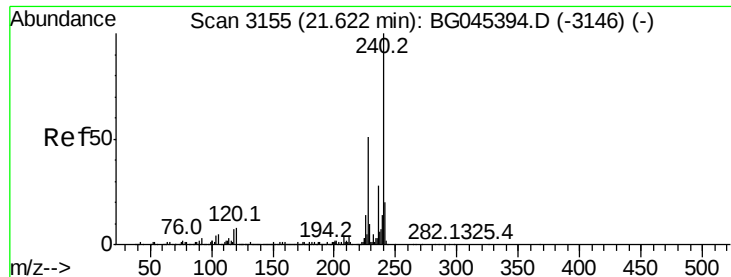


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

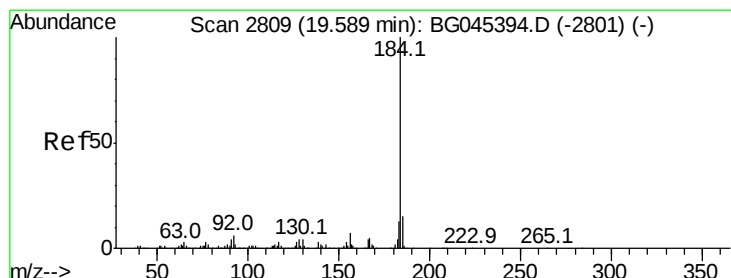
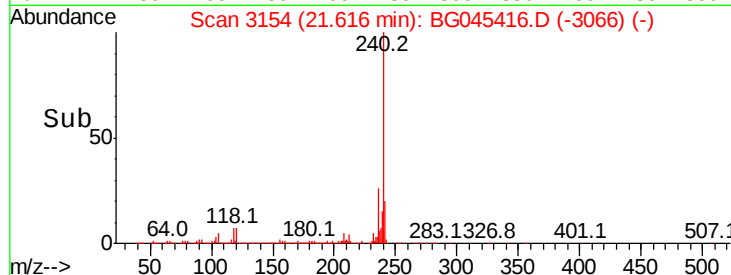
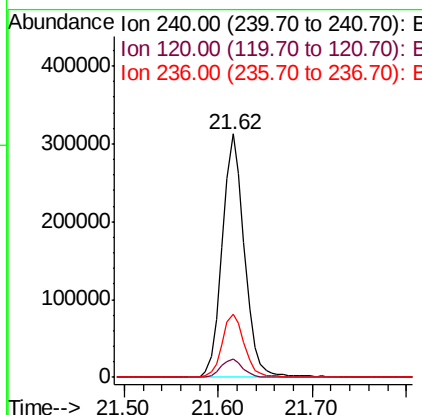
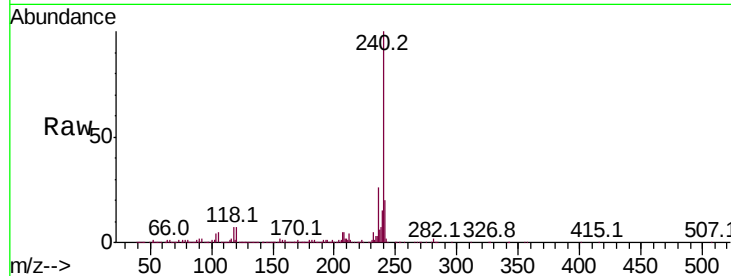




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BG045416.D
Acq: 18 May 2020 17:08

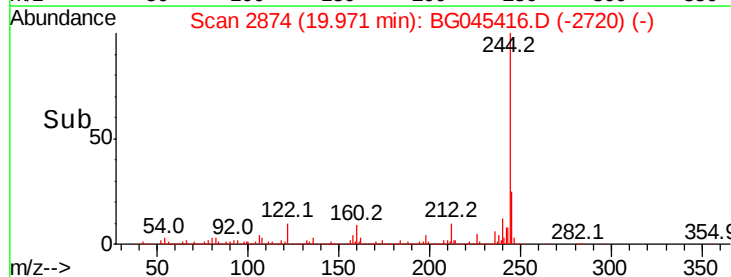
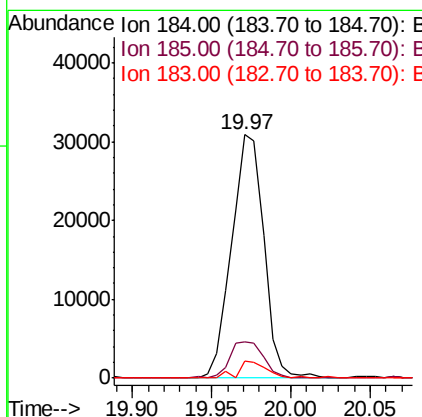
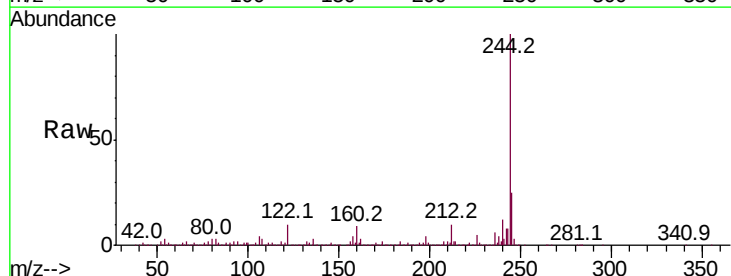
Instrument :
BNA_G
ClientSampleId :
PB128957TB

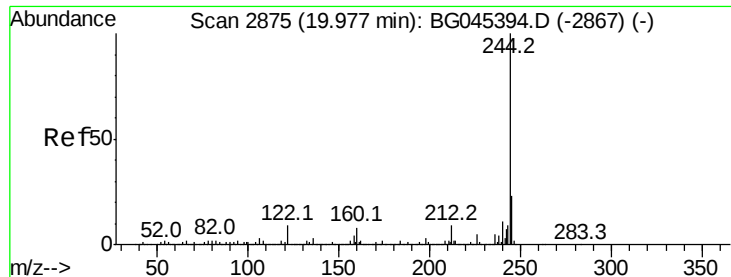
Tot Ion:240 Resp: 515178
Ion Ratio Lower Upper
240 100
120 7.4 6.1 9.1
236 25.7 22.3 33.5



#77
Benzidine
Concen: 2.999 ng
RT: 19.97 min Scan# 2874
Delta R.T. 0.38 min
Lab File: BG045416.D
Acq: 18 May 2020 17:08

Tgt Ion:184 Resp: 43391
Ion Ratio Lower Upper
184 100
185 15.0 11.7 17.5
183 7.1 10.2 15.4#





#79

Terphenyl-d14

Concen: 99.544 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

Instrument :

BNA_G

ClientSampleId :

PB128957TB

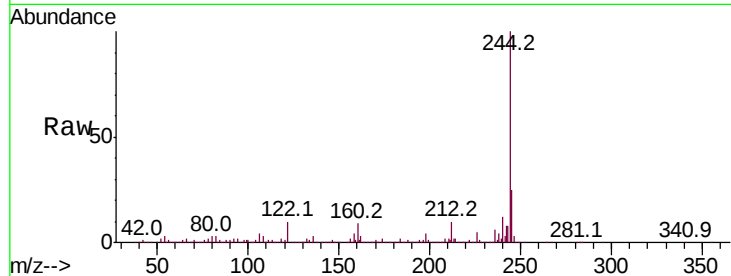
Tot Ion:244 Resp: 2198811

Ion Ratio Lower Upper

244 100

212 10.0 7.4 11.0

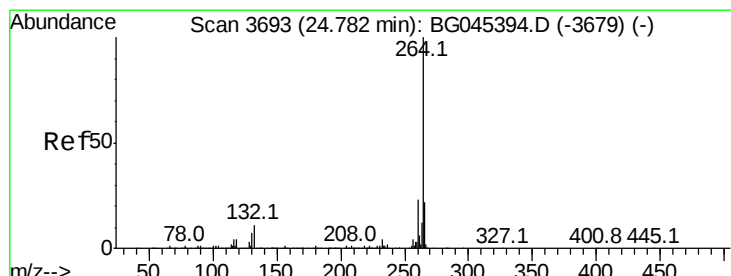
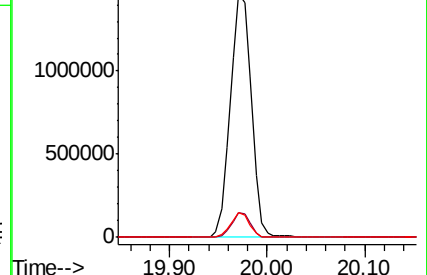
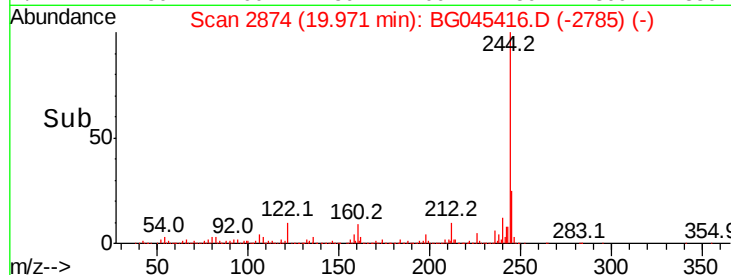
122 9.9 6.8 10.2



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: 24.78 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BG045416.D

Acq: 18 May 2020 17:08

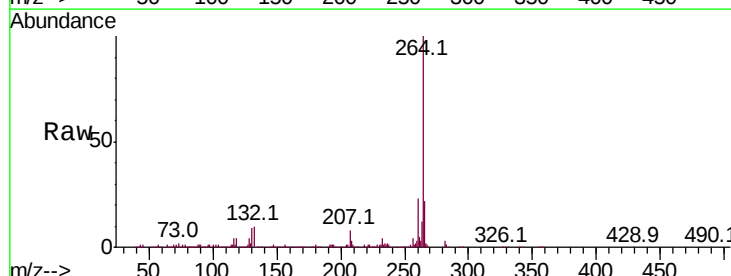
Tgt Ion:264 Resp: 525266

Ion Ratio Lower Upper

264 100

260 22.6 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

