

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052120\
 Data File : BG045442.D
 Acq On : 21 May 2020 16:21
 Operator : CG/JU
 Sample : PB129042TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129042TB

Quant Time: May 21 17:03:27 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

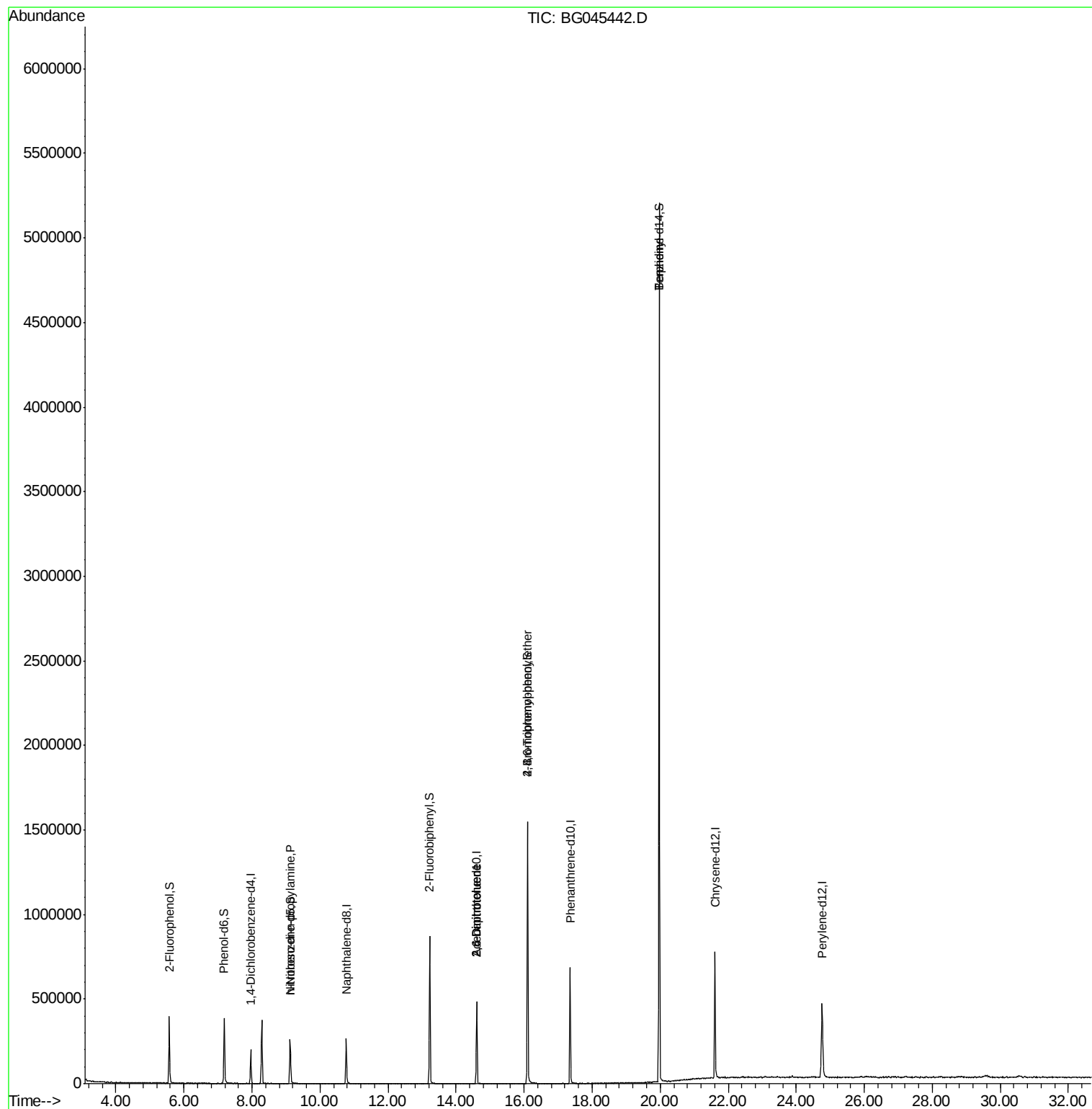
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	61705	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	251767	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	190284	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	470296	20.00	ng	0.00
76) Chrysene-d12	21.61	240	487931	20.00	ng	0.00
87) Perylene-d12	24.76	264	508903	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	199634	63.23	ng	0.00
7) Phenol-d6	7.18	99	276256	61.47	ng	0.00
23) Nitrobenzene-d5	9.12	82	187891	40.70	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	333148	136.90	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	503462	44.88	ng	0.00
79) Terphenyl-d14	19.97	244	2503694	119.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	25324	8.149	ng	# 78
51) 2,6-Dinitrotoluene	14.61	165	24469	8.307	ng	# 23
57) 2,4-Dinitrotoluene	14.61	165	24469	5.736	ng	# 22
67) 4-Bromophenyl-phenylether	16.10	248	20893	4.103	ng	# 1
77) Benzidine	19.97	184	50063	3.653	ng	# 91

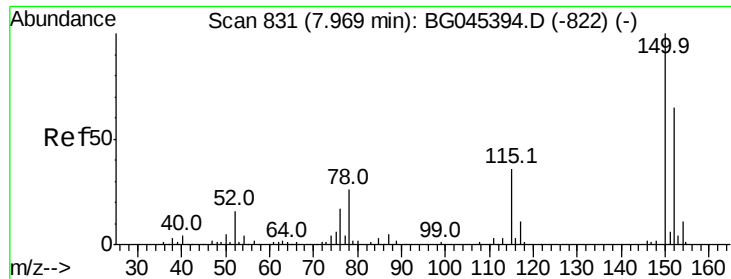
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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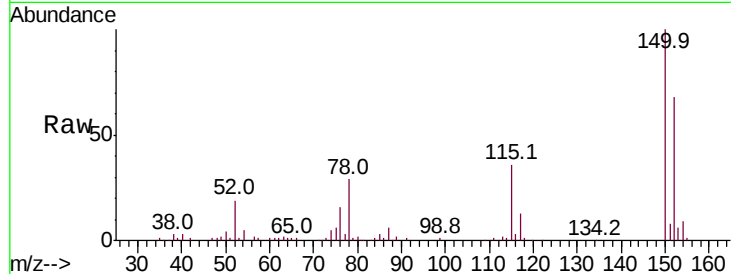


#1

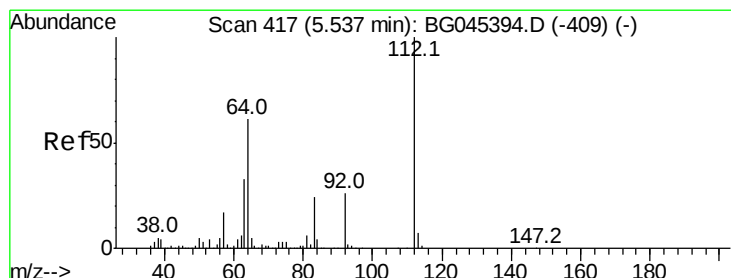
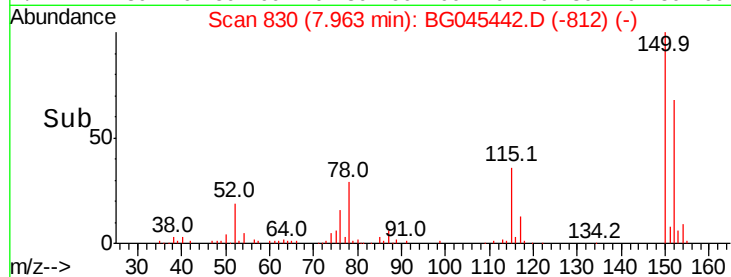
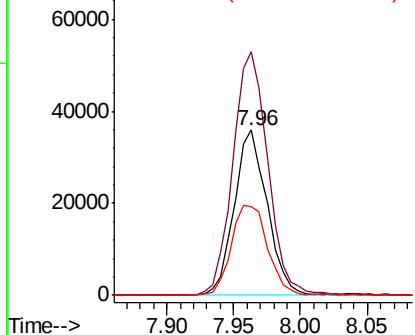
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.96 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BG045442.D
 Acq: 21 May 2020 16:21

Instrument :
 BNA_G
 ClientSampleId :
 PB129042TB

Tot Ion:152 Resp: 61705
 Ion Ratio Lower Upper
 152 100
 150 147.2 122.4 183.6
 115 53.5 44.2 66.4



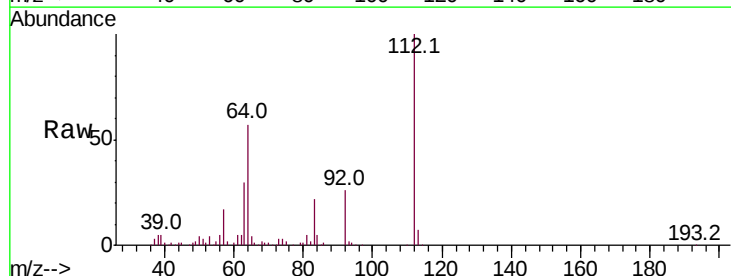
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



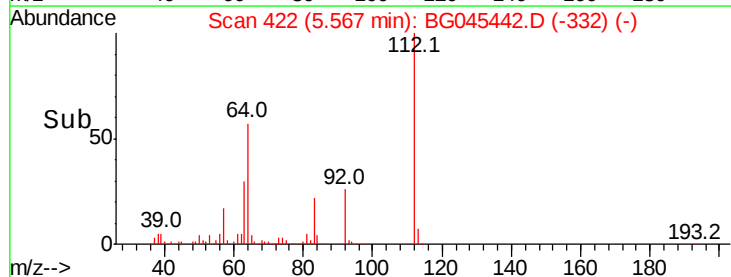
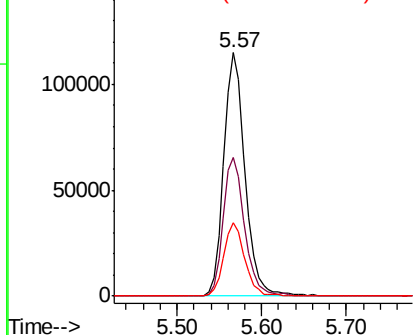
#5

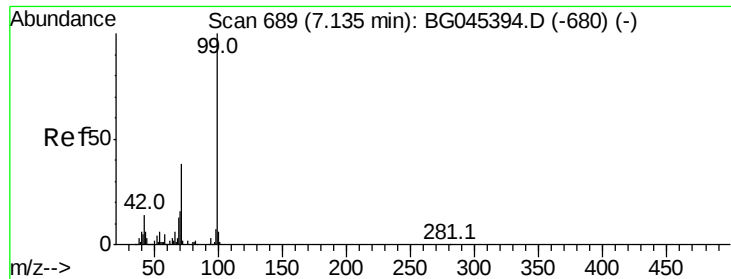
2-Fluorophenol
 Concen: 63.227 ng
 RT: 5.57 min Scan# 422
 Delta R.T. -0.00 min
 Lab File: BG045442.D
 Acq: 21 May 2020 16:21

Tgt Ion:112 Resp: 199634
 Ion Ratio Lower Upper
 112 100
 64 56.8 48.6 72.8
 63 29.9 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: 61.473 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG045442.D

Acq: 21 May 2020 16:21

Instrument :

BNA_G

ClientSampleId :

PB129042TB

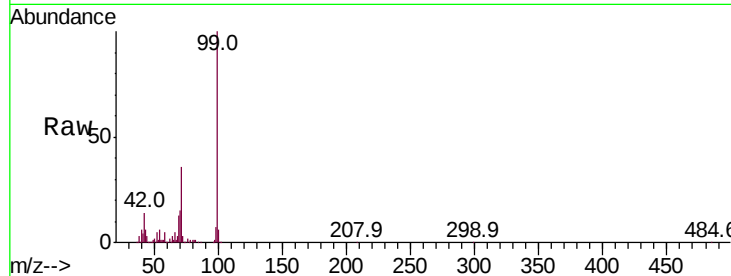
Tot Ion: 99 Resp: 276256

Ion Ratio Lower Upper

99 100

42 14.0 11.3 16.9

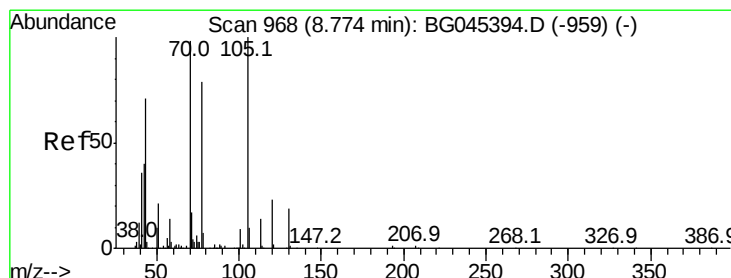
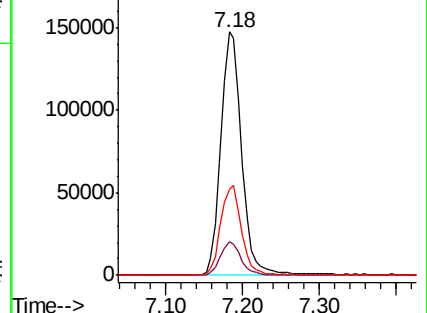
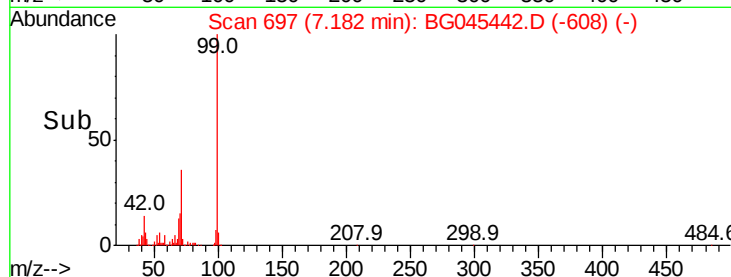
71 35.5 30.8 46.2



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: 8.149 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.35 min

Lab File: BG045442.D

Acq: 21 May 2020 16:21

Tgt Ion: 70 Resp: 25324

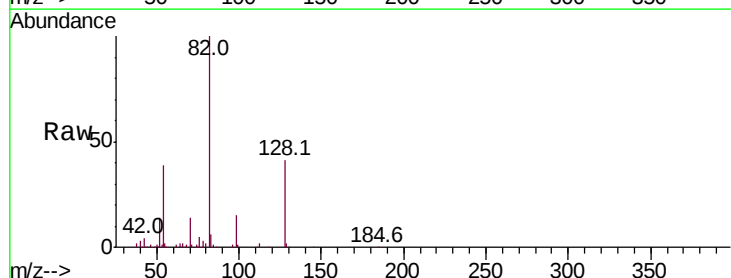
Ion Ratio Lower Upper

70 100

42 32.7 33.2 49.8#

101 0.0 7.8 11.6#

130 3.0 15.4 23.2#

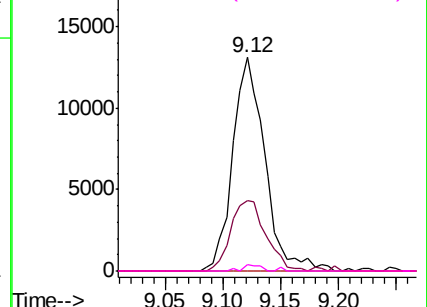
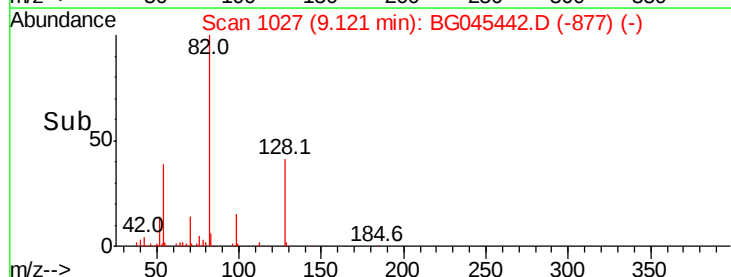


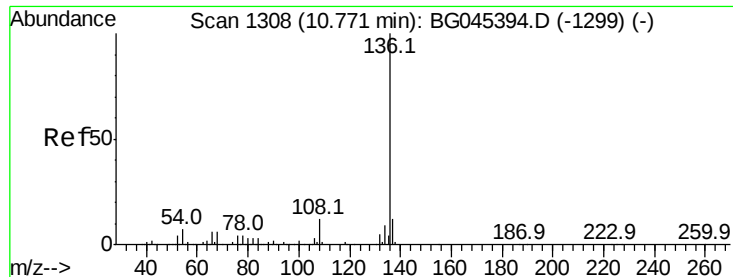
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG045442.D

Acq: 21 May 2020 16:21

Instrument :

BNA_G

ClientSampleId :

PB129042TB

Tot Ion:136 Resp: 251767

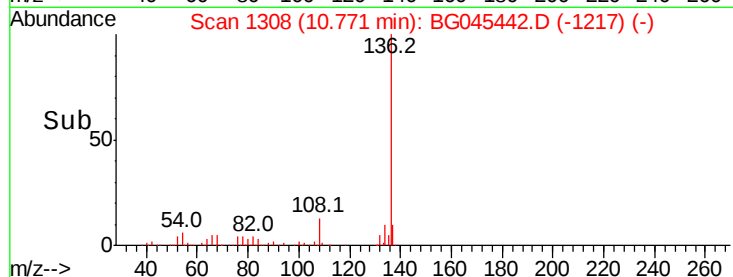
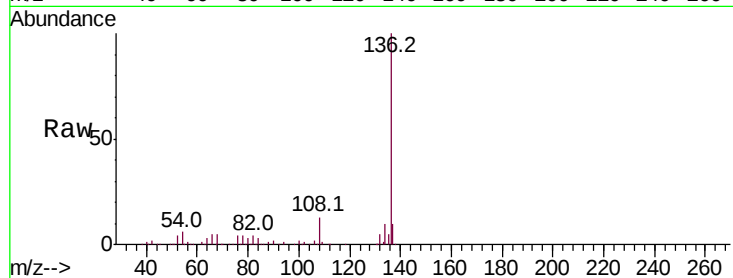
Ion Ratio Lower Upper

136 100

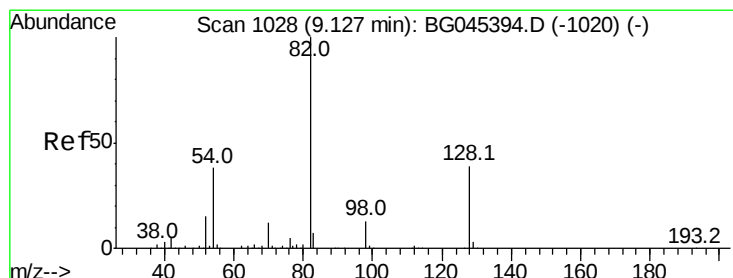
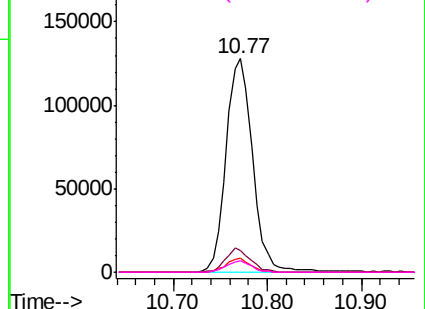
137 10.2 9.4 14.2

54 6.4 5.8 8.6

68 5.2 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: 40.696 ng

RT: 9.12 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BG045442.D

Acq: 21 May 2020 16:21

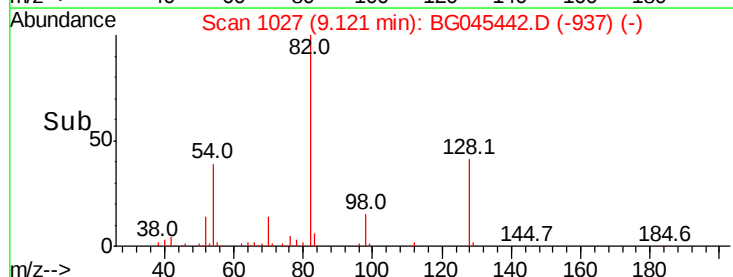
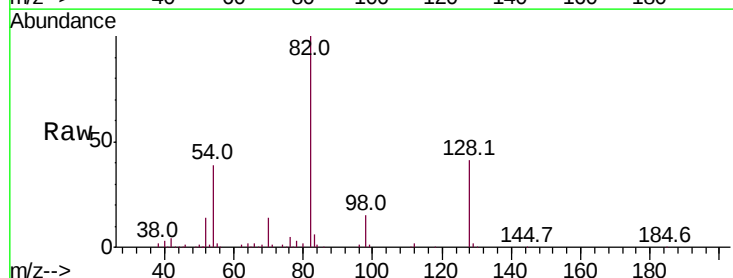
Tgt Ion: 82 Resp: 187891

Ion Ratio Lower Upper

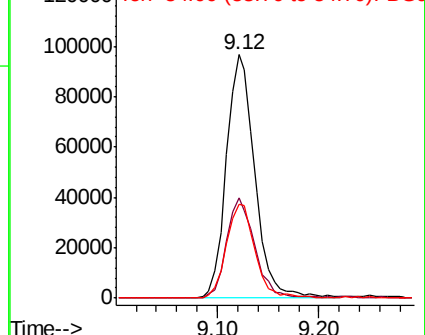
82 100

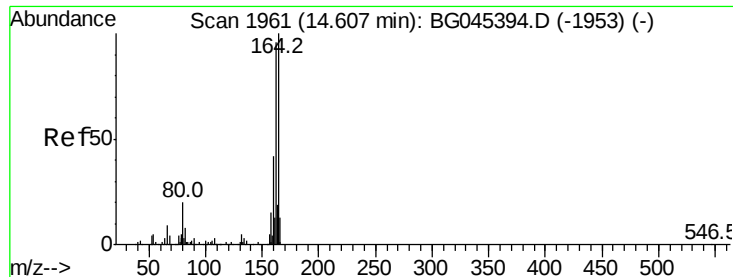
128 41.2 30.9 46.3

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BG045442.D

Acq: 21 May 2020 16:21

Instrument :

BNA_G

ClientSampleId :

PB129042TB

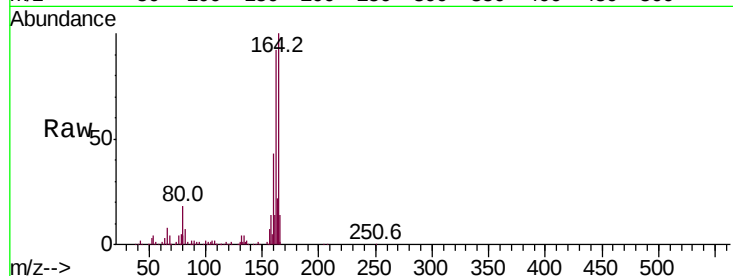
Tot Ion:164 Resp: 190284

Ion Ratio Lower Upper

164 100

162 92.2 76.9 115.3

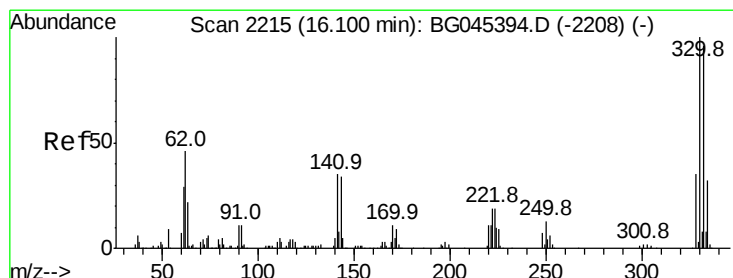
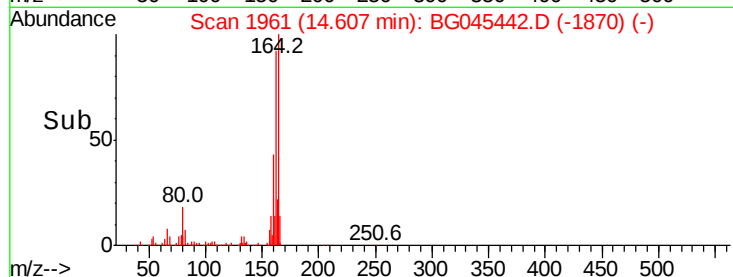
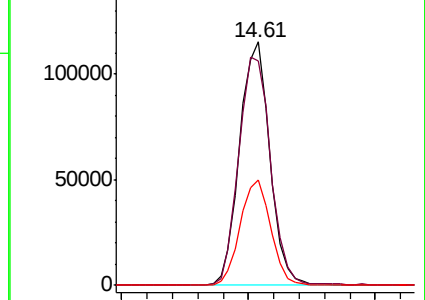
160 43.1 33.8 50.8



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: 136.900 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BG045442.D

Acq: 21 May 2020 16:21

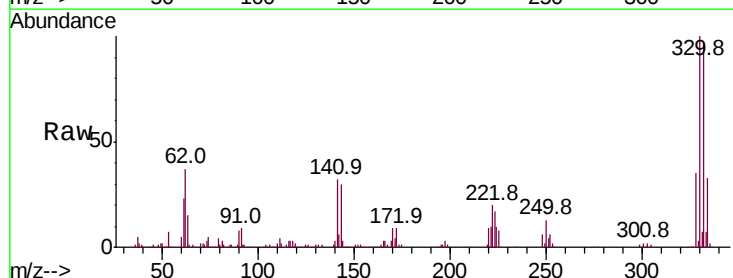
Tgt Ion:330 Resp: 333148

Ion Ratio Lower Upper

330 100

332 95.8 78.2 117.4

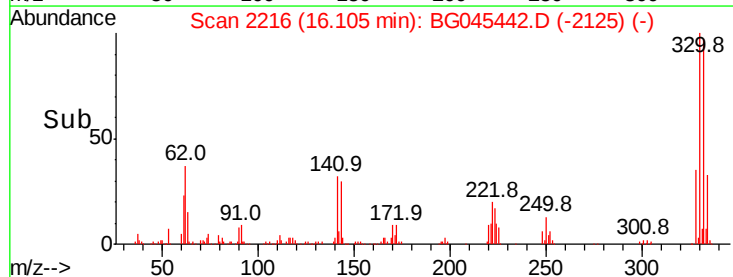
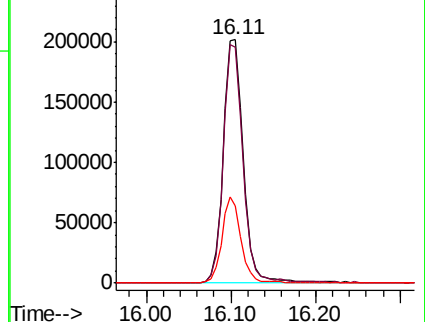
141 33.9 28.2 42.4

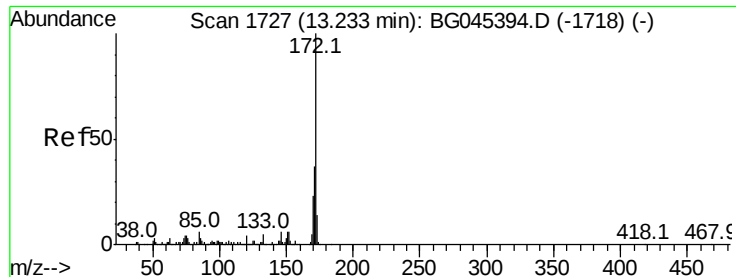


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 44.879 ng

RT: 13.23 min Scan# 1726

Delta R.T. -0.00 min

Lab File: BG045442.D

Acq: 21 May 2020 16:21

Instrument :

BNA_G

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PB129042TB

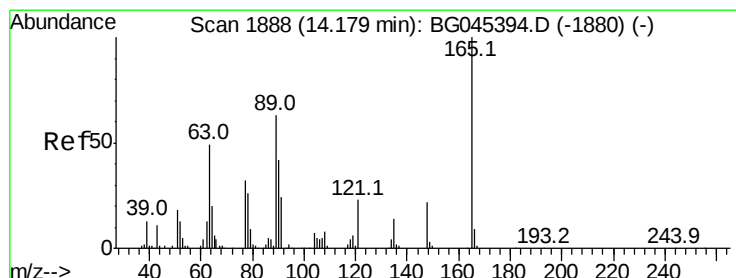
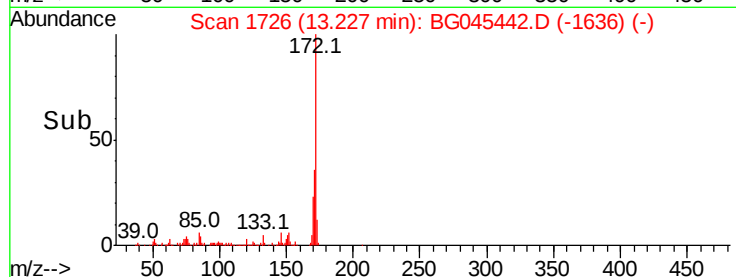
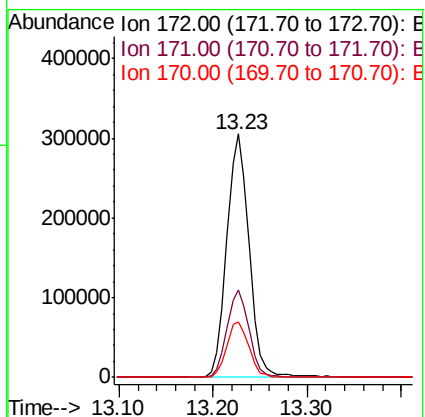
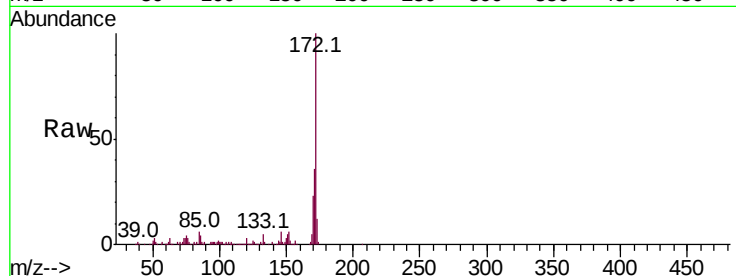
Tot Ion:172 Resp: 503462

Ion Ratio Lower Upper

172 100

171 35.9 29.5 44.3

170 22.7 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 8.307 ng

RT: 14.61 min Scan# 1961

Delta R.T. 0.43 min

Lab File: BG045442.D

Acq: 21 May 2020 16:21

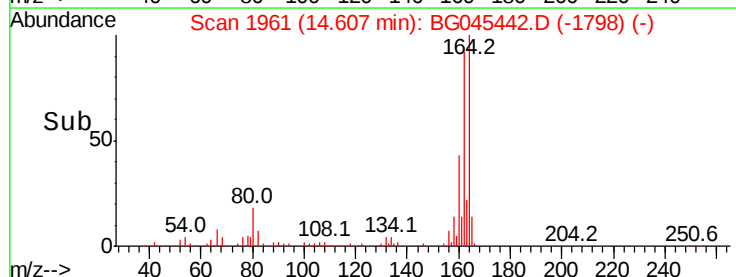
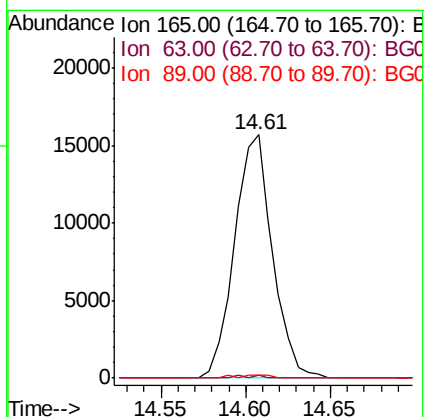
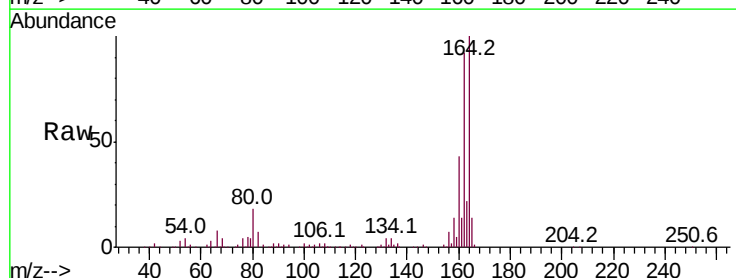
Tgt Ion:165 Resp: 24469

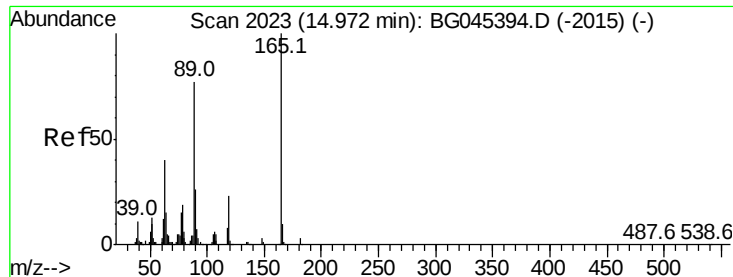
Ion Ratio Lower Upper

165 100

63 1.4 45.0 67.4#

89 1.3 50.2 75.4#

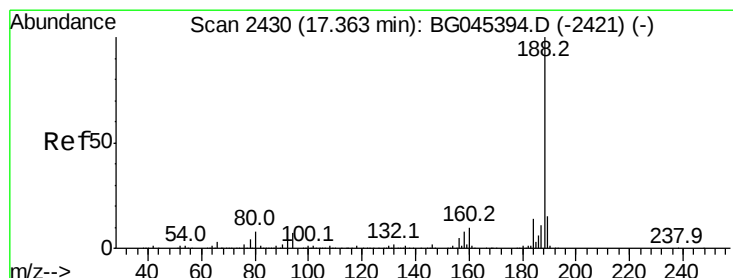
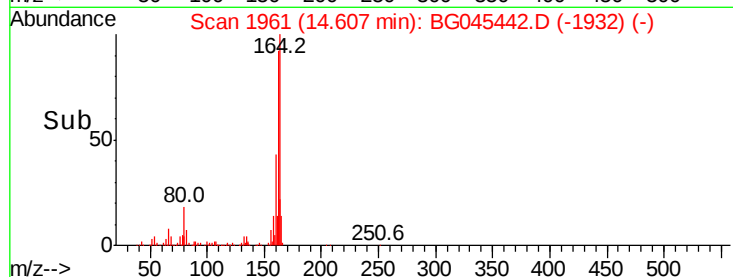
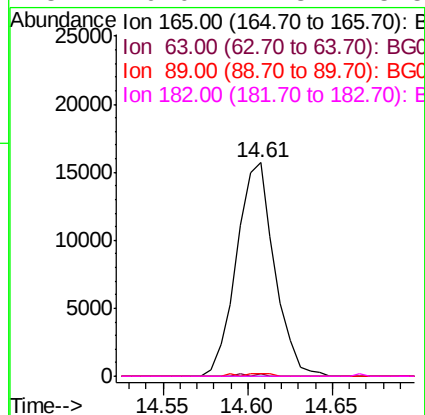
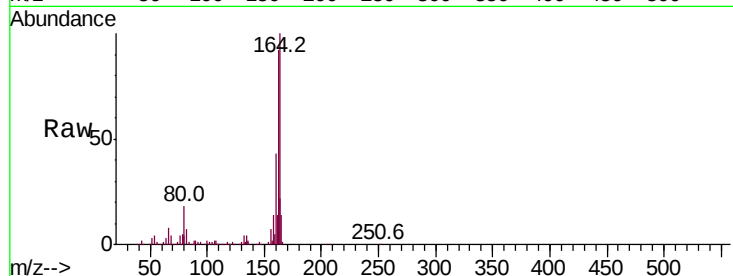




#57
 2,4-Dinitrotoluene
 Concen: 5.736 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.36 min
 Lab File: BG045442.D
 Acq: 21 May 2020 16:21

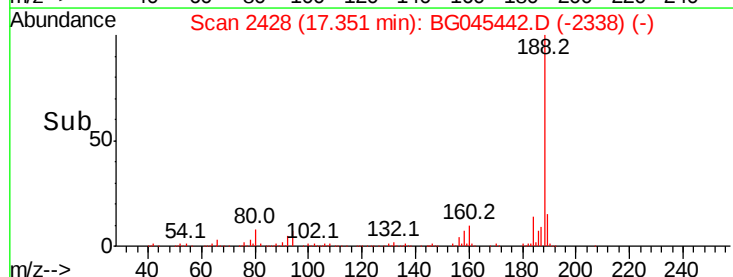
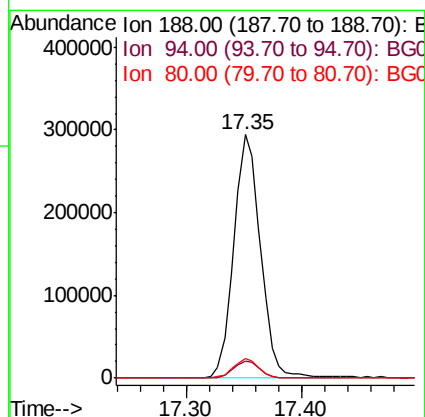
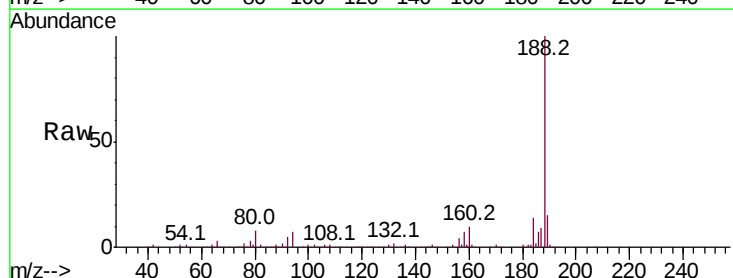
Instrument :
 BNA_G
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 PB129042TB

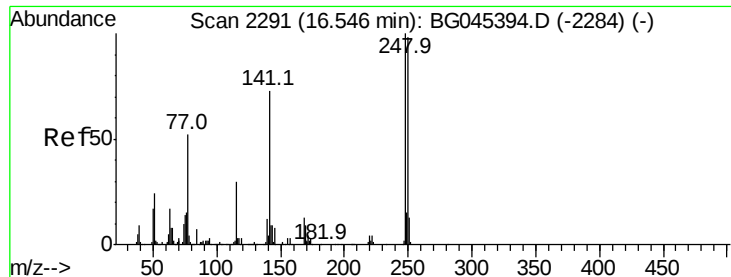
Tot Ion:165 Resp: 24469
 Ion Ratio Lower Upper
 165 100
 63 1.4 32.5 48.7#
 89 1.3 61.8 92.6#
 182 0.0 2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BG045442.D
 Acq: 21 May 2020 16:21

Tgt Ion:188 Resp: 470296
 Ion Ratio Lower Upper
 188 100
 94 7.0 5.5 8.3
 80 8.1 6.6 10.0

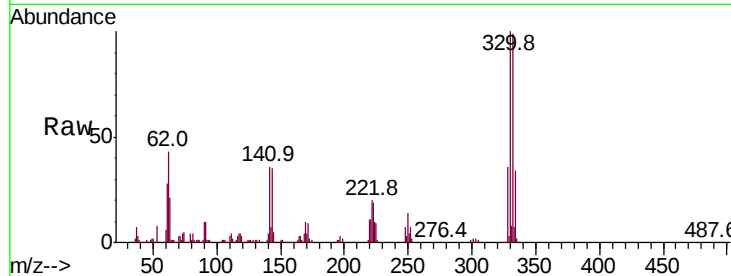




#67
 4-Bromophenyl-phenylether
 Concen: 4.103 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.44 min
 Lab File: BG045442.D
 Acq: 21 May 2020 16:21

Instrument :
 BNA_G
 ClientSampleId :
 PB129042TB

Tot Ion	Ratio	Lower	Upper
248	100		
250	197.4	78.6	117.8#
141	504.3	58.2	87.2#

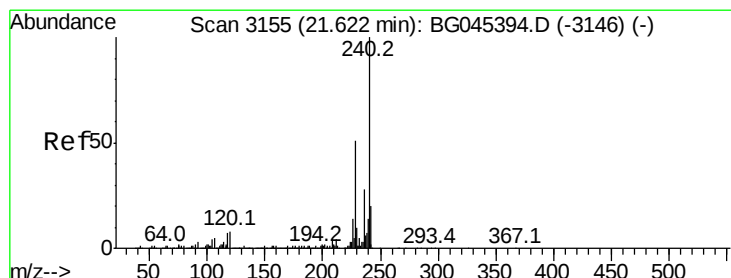
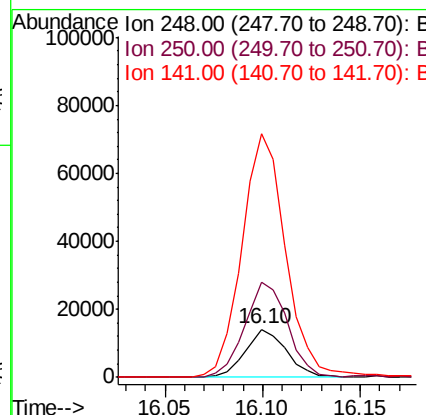
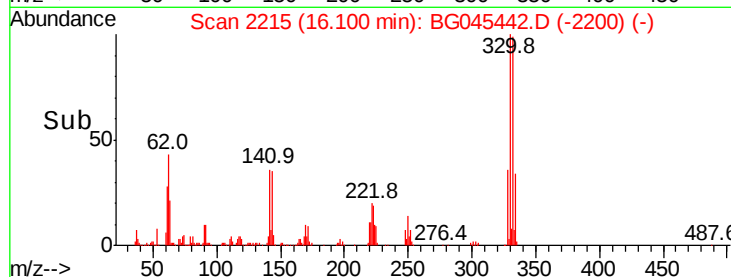


Abundance

Ion 248.00 (247.70 to 248.70): E

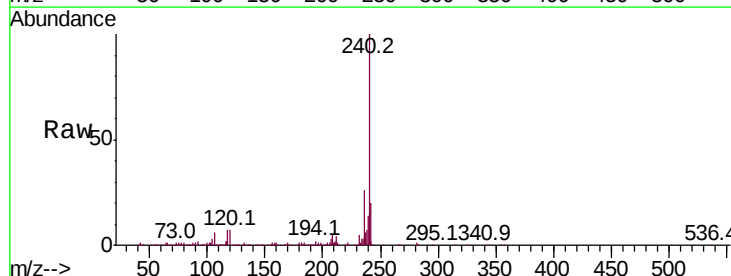
Ion 250.00 (249.70 to 250.70): E

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: BG045442.D
 Acq: 21 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.1	9.1
236	26.2	22.3	33.5

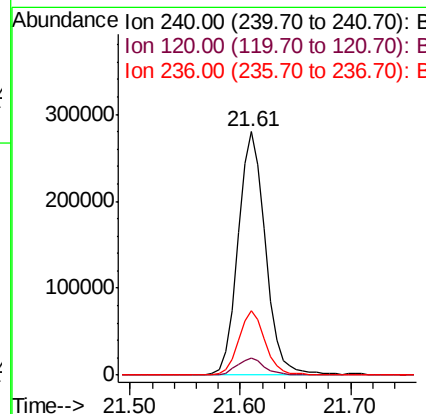
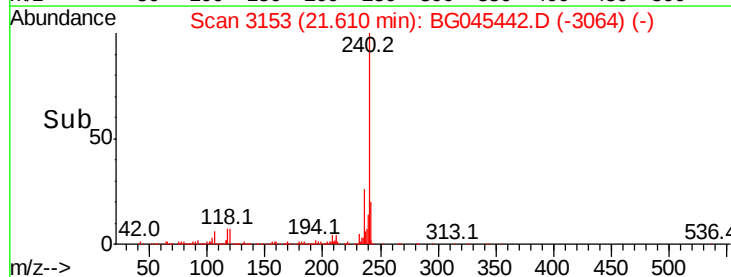


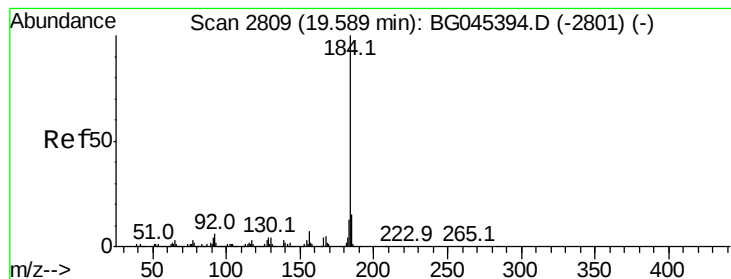
Abundance

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: 3.653 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.39 min

Lab File: BG045442.D

Acq: 21 May 2020 16:21

Instrument :

BNA_G

ClientSampleId :

PB129042TB

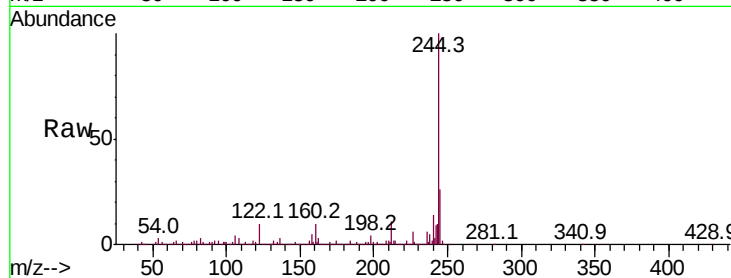
Tot Ion:184 Resp: 50063

Ion Ratio Lower Upper

184 100

185 14.6 11.7 17.5

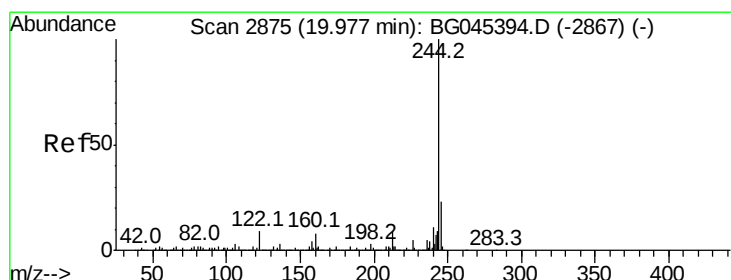
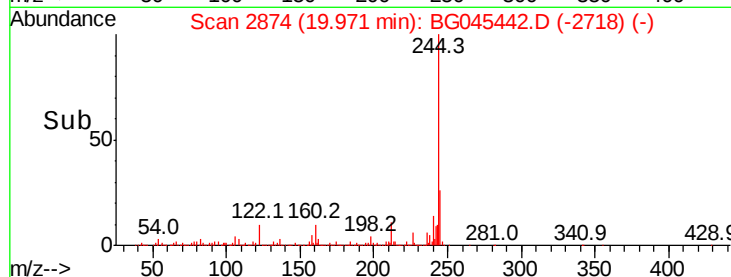
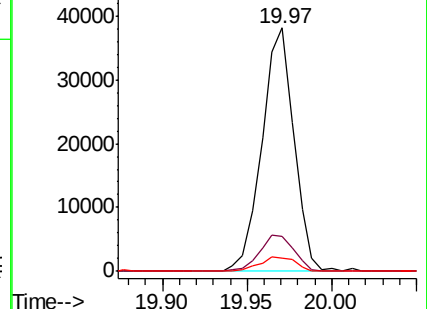
183 5.2 10.2 15.4#



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: 119.676 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.00 min

Lab File: BG045442.D

Acq: 21 May 2020 16:21

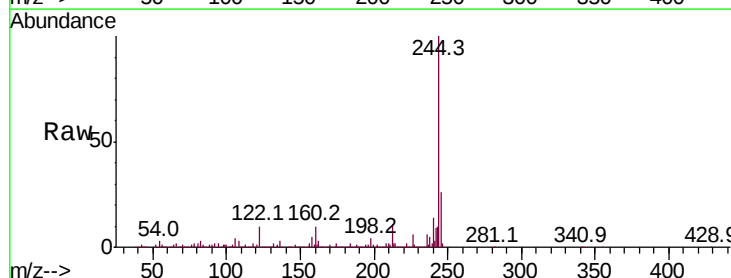
Tgt Ion:244 Resp: 2503694

Ion Ratio Lower Upper

244 100

212 10.6 7.4 11.0

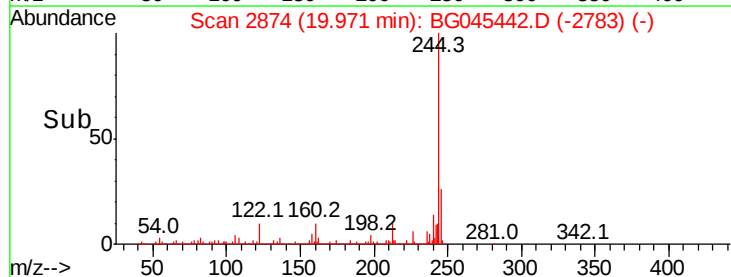
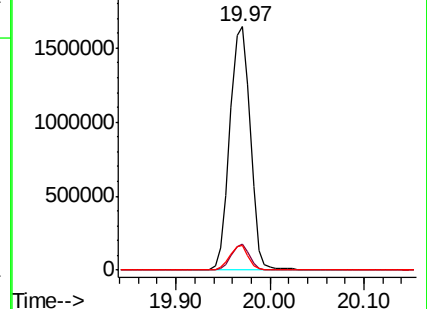
122 9.9 6.8 10.2

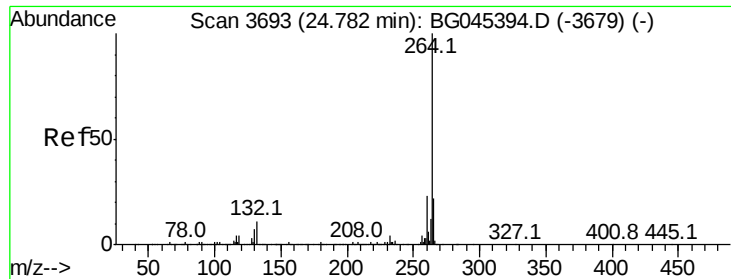


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



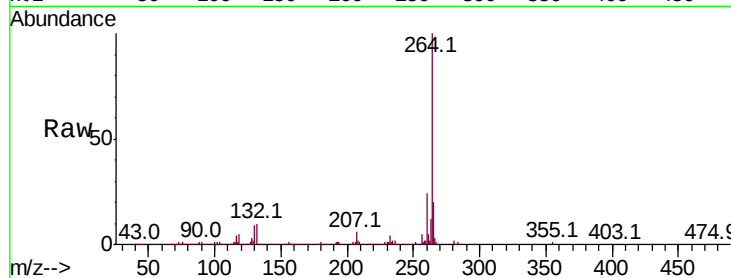


#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.76 min Scan# 3689
Delta R.T. -0.01 min
Lab File: BG045442.D
Acq: 21 May 2020 16:21

Instrument :
BNA_G
ClientSampleId :
PB129042TB

Tot Ion: 264 Resp: 508903

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.4
265	20.4	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

