

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052620\
 Data File : BG045457.D
 Acq On : 26 May 2020 14:54
 Operator : CG/JU
 Sample : PB129080BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129080BL

Quant Time: May 26 16:00:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 14:16:30 2020
 Response via : Initial Calibration

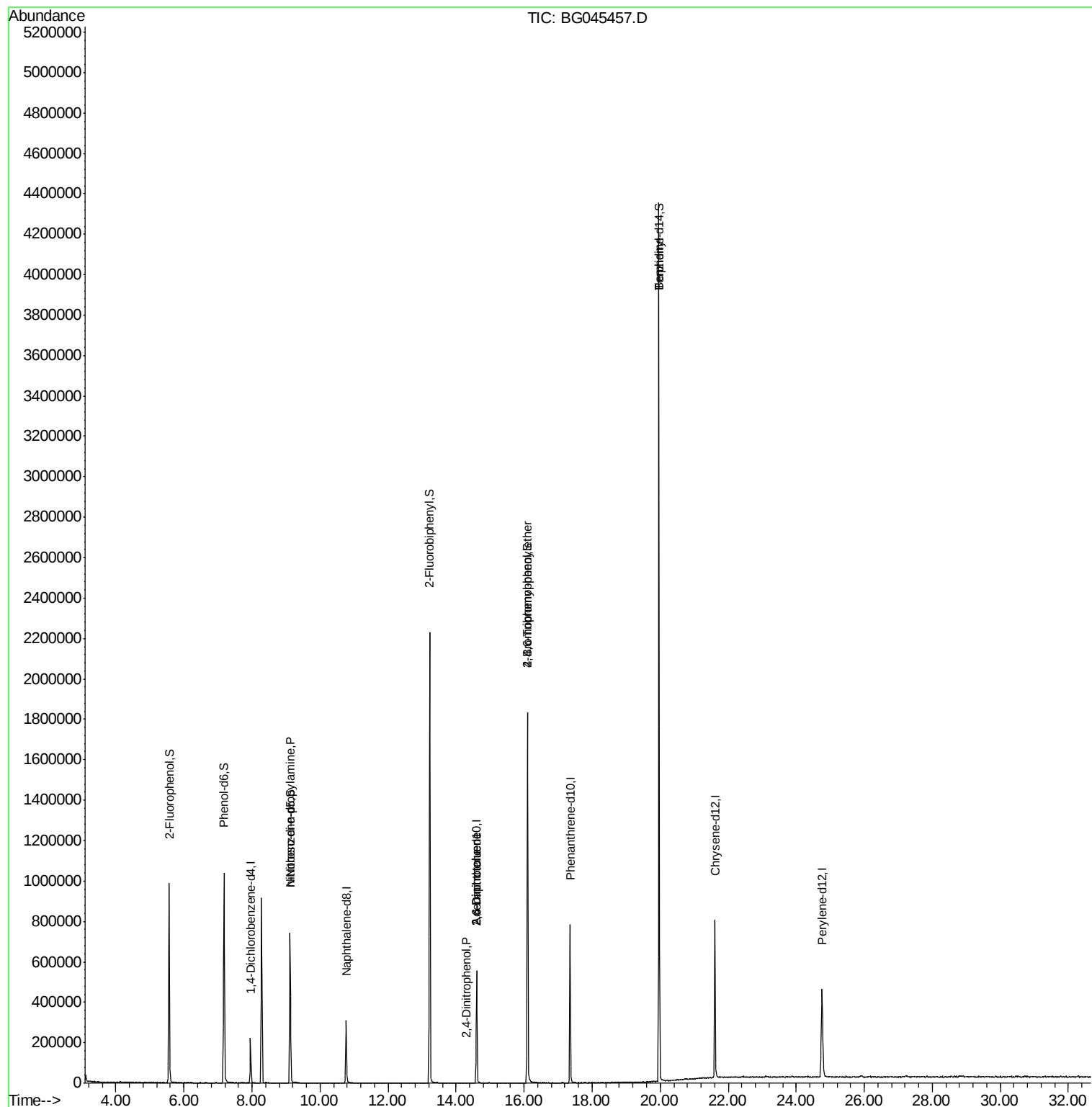
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	66132	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	287087	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	207650	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	503253	20.00	ng	0.00
76) Chrysene-d12	21.61	240	495482	20.00	ng	0.00
87) Perylene-d12	24.76	264	517860	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	486246	143.69	ng	0.00
7) Phenol-d6	7.18	99	694867	144.27	ng	0.00
23) Nitrobenzene-d5	9.12	82	501338	95.23	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	386776	145.64	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1206323	98.54	ng	0.00
79) Terphenyl-d14	19.97	244	2097829	98.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	68573	20.589	ng	# 78
51) 2,6-Dinitrotoluene	14.60	165	27167	8.452	ng	# 23
54) 2,4-Dinitrophenol	14.30	184	56	5.484	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	27167	5.836	ng	# 23
67) 4-Bromophenyl-phenylether	16.10	248	26774	4.913	ng	# 1
77) Benzidine	19.97	184	39274	2.822	ng	# 88

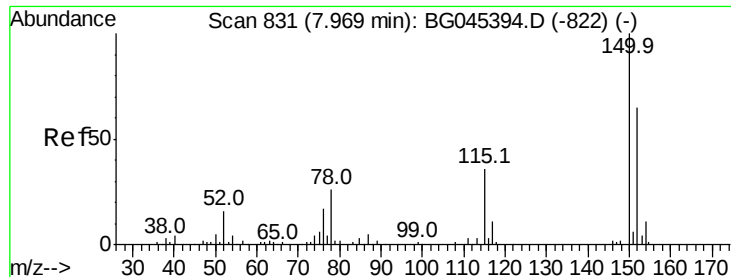
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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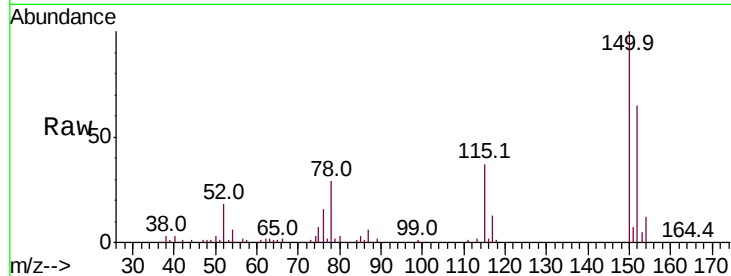


#1

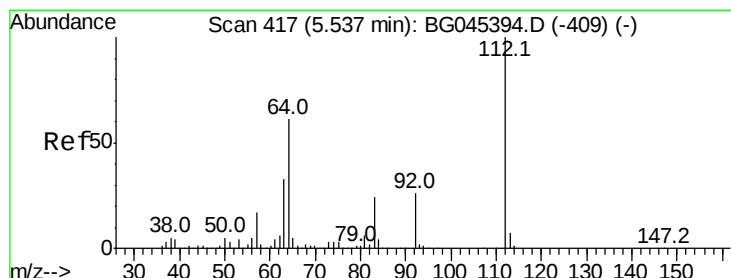
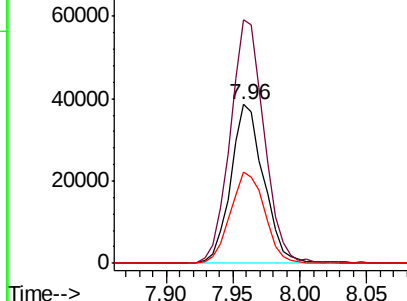
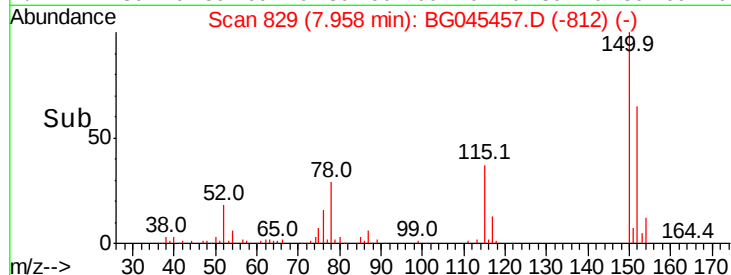
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045457.D
Acq: 26 May 2020 14:54

Instrument :
BNA_G
ClientSampleId :
PB129080BL

Tot Ion:152 Resp: 66132
Ion Ratio Lower Upper
152 100
150 153.4 122.4 183.6
115 57.4 44.2 66.4



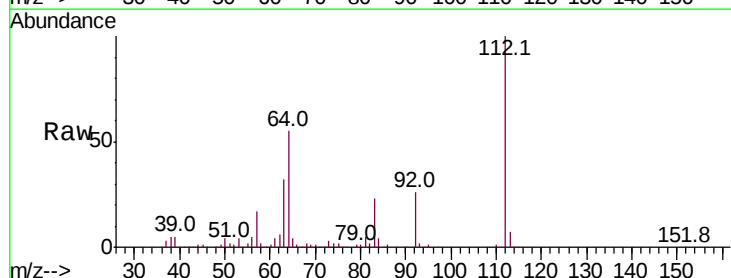
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



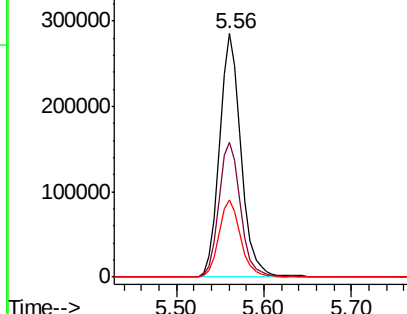
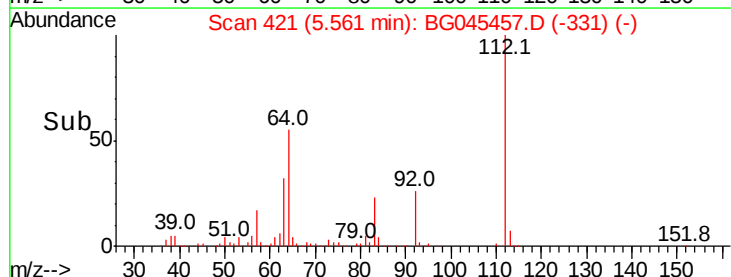
#5

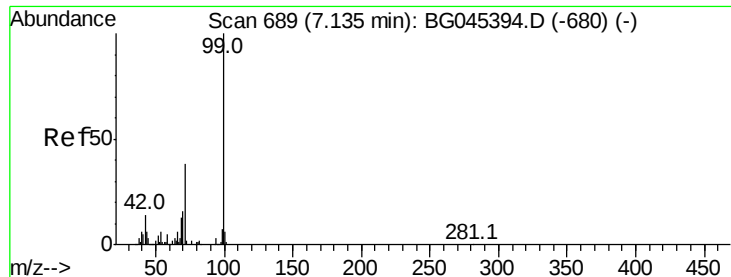
2-Fluorophenol
Concen: 143.693 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045457.D
Acq: 26 May 2020 14:54

Tgt Ion:112 Resp: 486246
Ion Ratio Lower Upper
112 100
64 55.2 48.6 72.8
63 31.9 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: 144.273 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

Instrument :

BNA_G

ClientSampleId :

PB129080BL

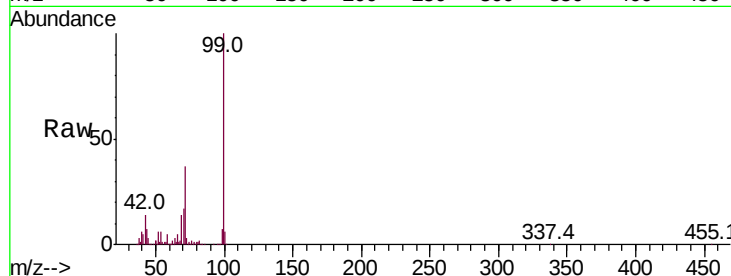
Tot Ion: 99 Resp: 694867

Ion Ratio Lower Upper

99 100

42 13.7 11.3 16.9

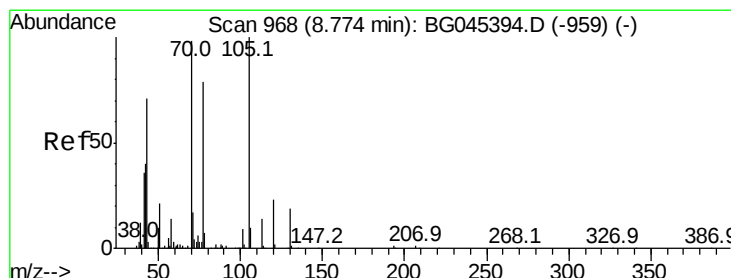
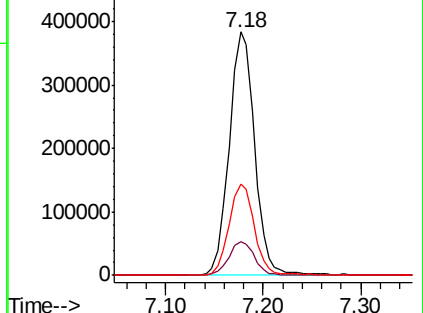
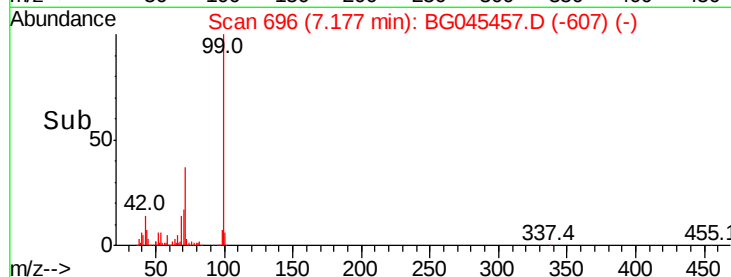
71 37.2 30.8 46.2



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: 20.589 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.35 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

Tgt Ion: 70 Resp: 68573

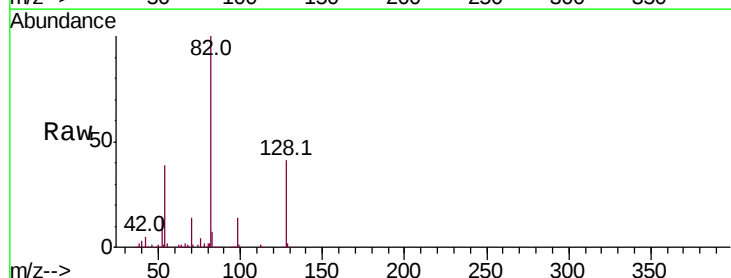
Ion Ratio Lower Upper

70 100

42 33.5 33.2 49.8

101 0.0 7.8 11.6#

130 1.6 15.4 23.2#

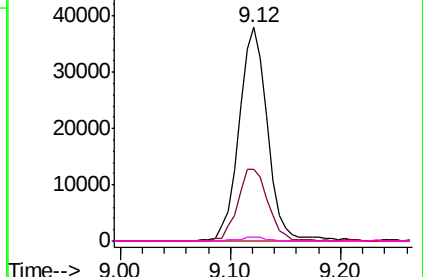
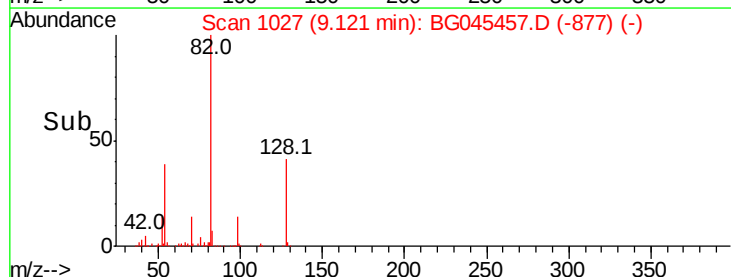


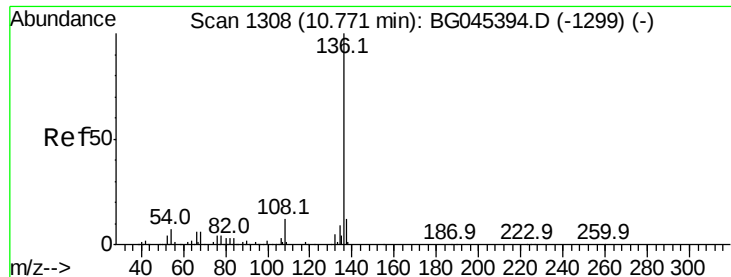
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

Instrument :

BNA_G

ClientSampleId :

PB129080BL

Tot Ion:136 Resp: 287087

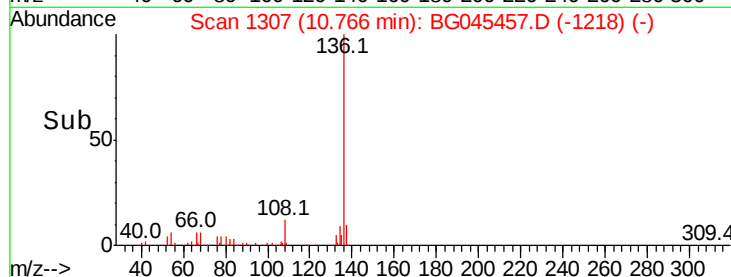
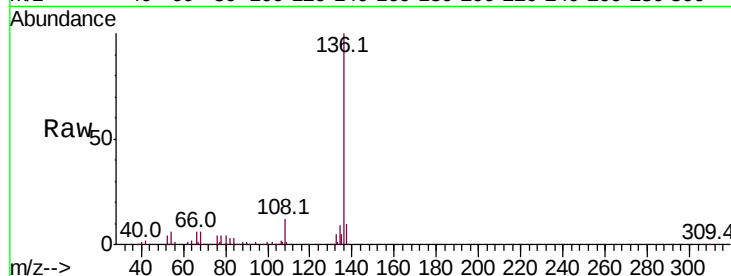
Ion Ratio Lower Upper

136 100

137 10.3 9.4 14.2

54 5.5 5.8 8.6#

68 5.6 4.5 6.7

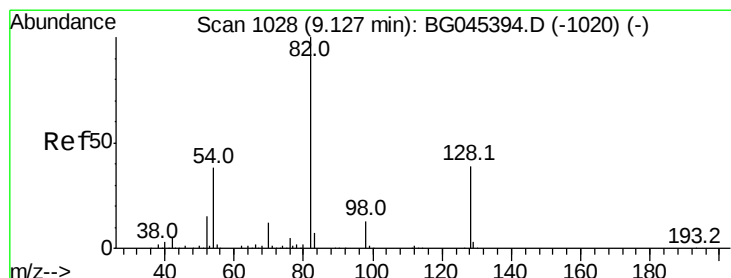
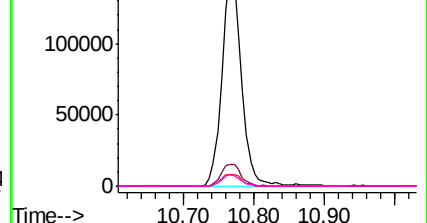


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 95.228 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

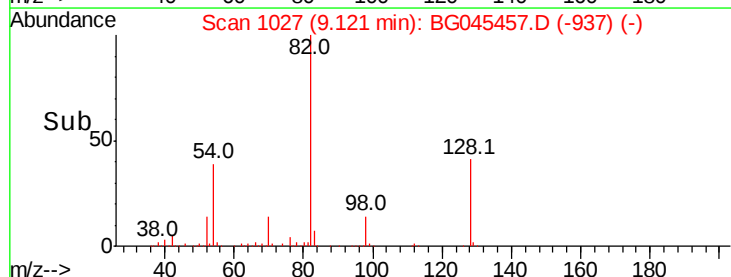
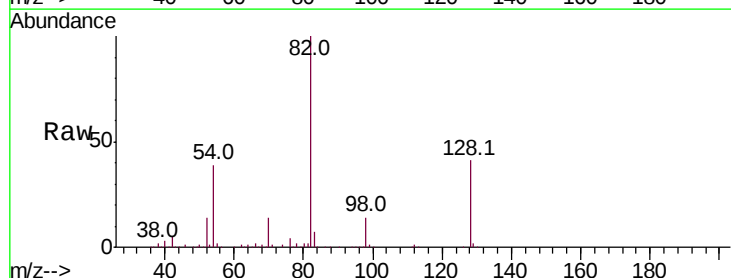
Tgt Ion: 82 Resp: 501338

Ion Ratio Lower Upper

82 100

128 40.7 30.9 46.3

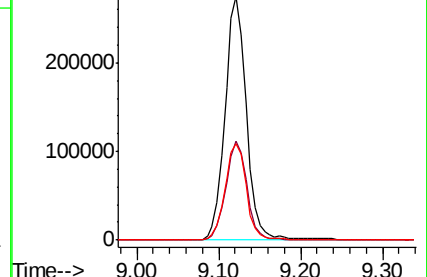
54 39.5 30.3 45.5

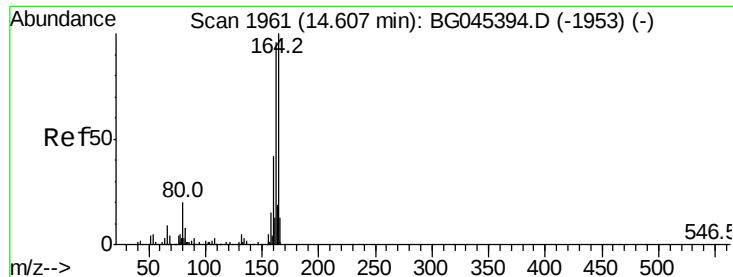


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.60 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

Instrument :

BNA_G

ClientSampleId :

PB129080BL

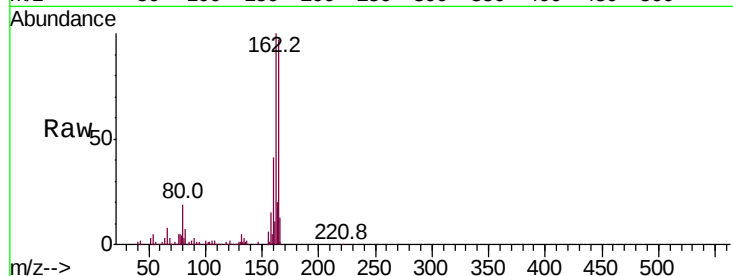
Tot Ion:164 Resp: 207650

Ion Ratio Lower Upper

164 100

162 102.8 76.9 115.3

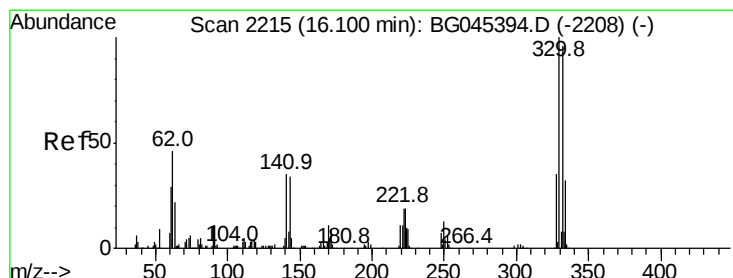
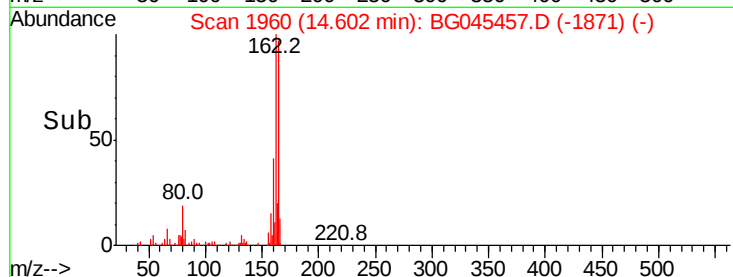
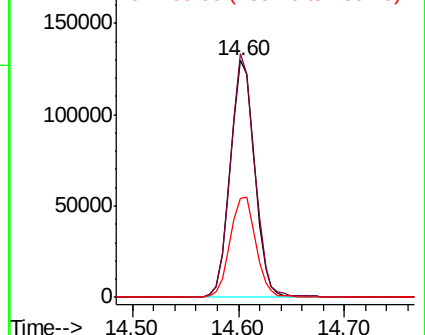
160 41.9 33.8 50.8



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: 145.645 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

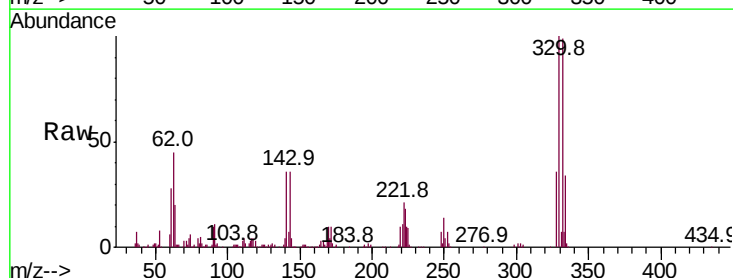
Tgt Ion:330 Resp: 386776

Ion Ratio Lower Upper

330 100

332 97.1 78.2 117.4

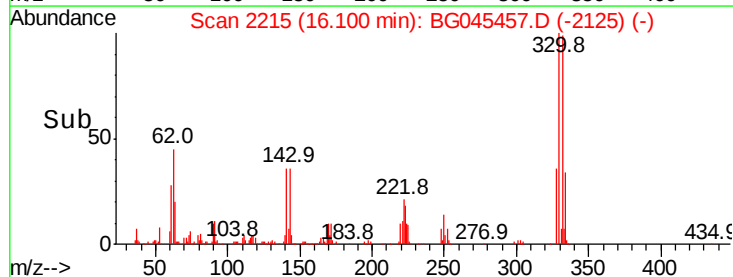
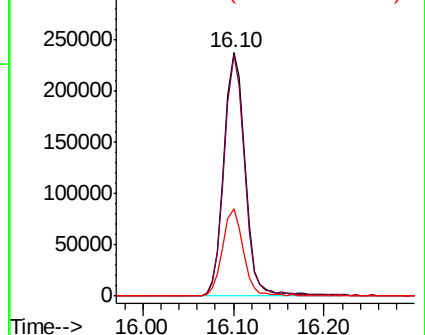
141 34.9 28.2 42.4

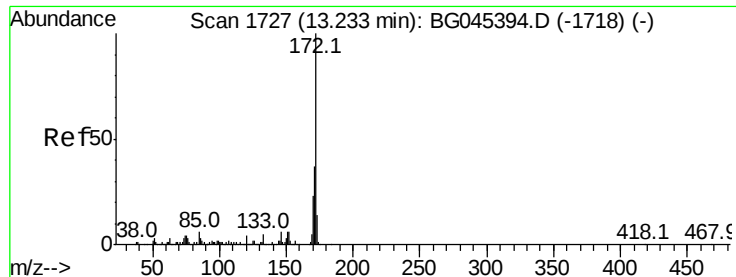


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



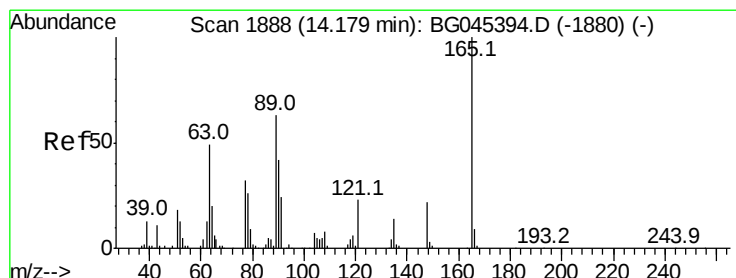
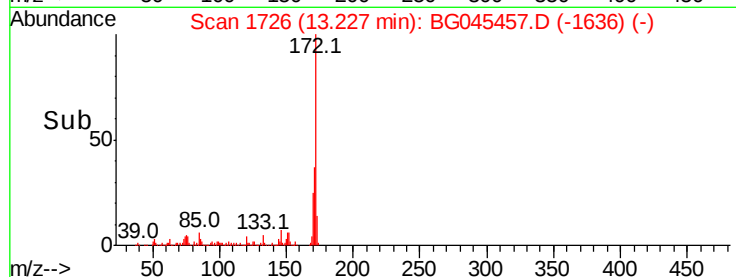
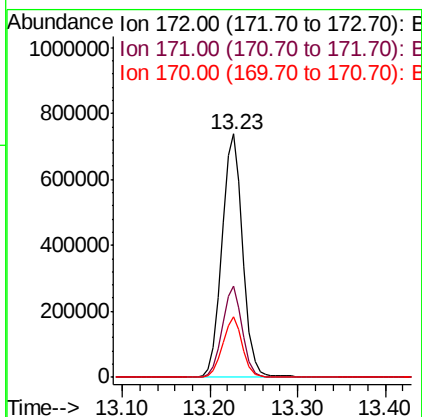
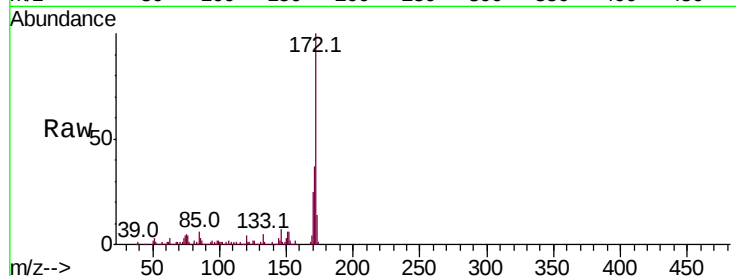


#45
 2-Fluorobiphenyl
 Concen: 98.540 ng
 RT: 13.23 min Scan# 1726
 Delta R.T. 0.00 min
 Lab File: BG045457.D
 Acq: 26 May 2020 14:54

Instrument :
 BNA_G
 ClientSampleId :
 PB129080BL

Tot Ion:172 Resp: 1206323

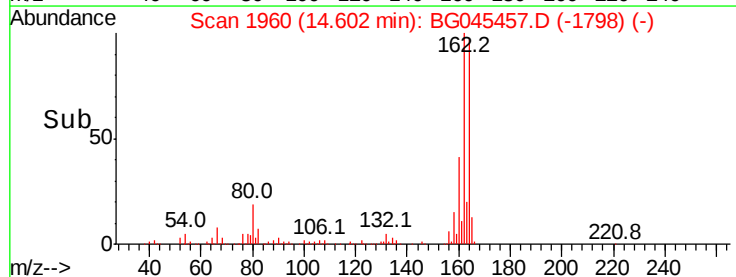
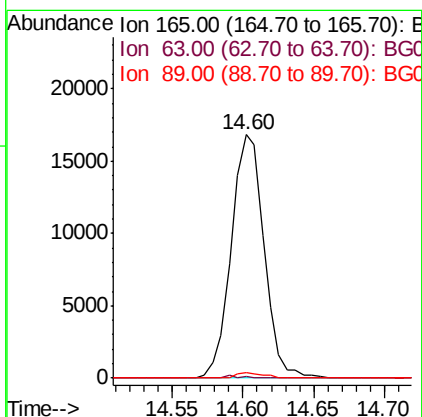
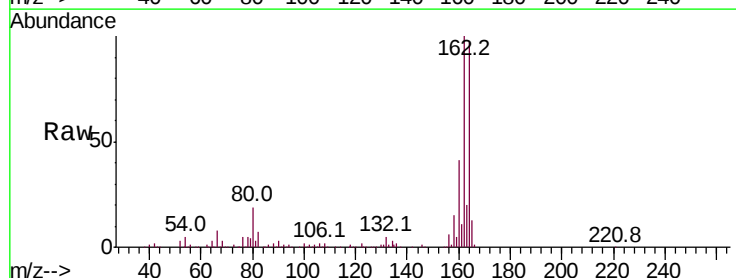
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.5	44.3
170	25.0	18.5	27.7

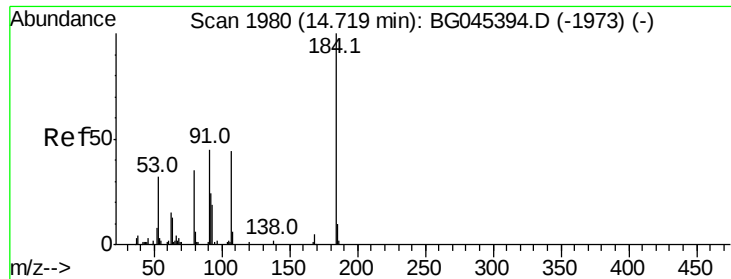


#51
 2,6-Dinitrotoluene
 Concen: 8.452 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. 0.42 min
 Lab File: BG045457.D
 Acq: 26 May 2020 14:54

Tgt Ion:165 Resp: 27167

Ion	Ratio	Lower	Upper
165	100		
63	0.9	45.0	67.4#
89	2.1	50.2	75.4#

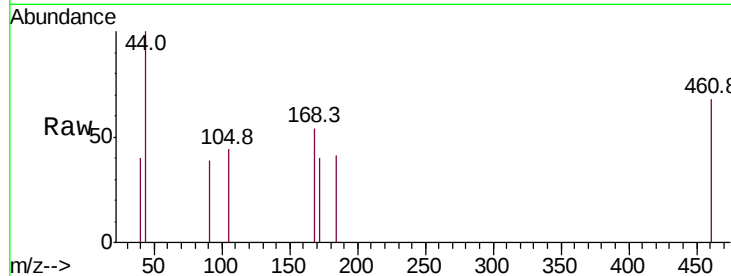




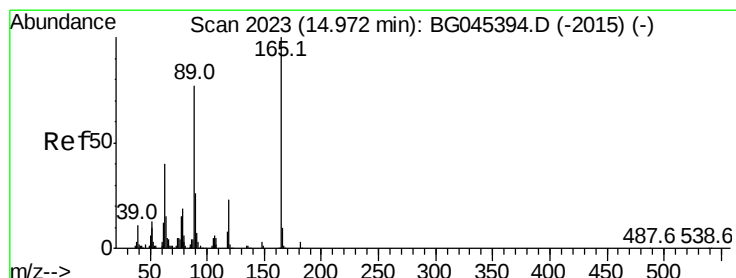
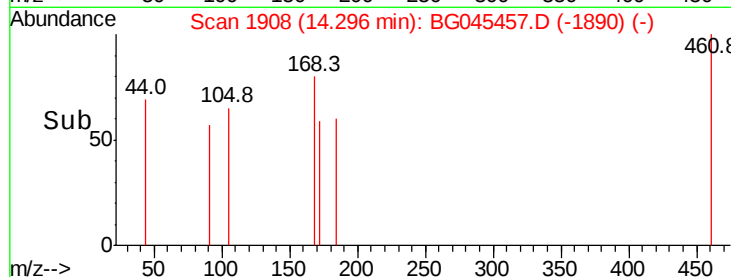
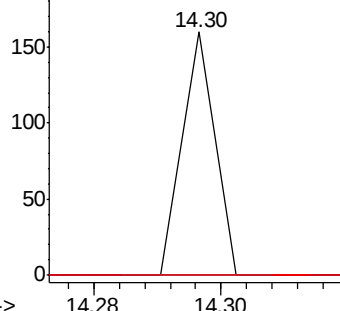
#54
 2,4-Dinitrophenol
 Concen: 5.484 ng
 RT: 14.30 min Scan# 1908
 Delta R.T. -0.42 min
 Lab File: BG045457.D
 Acq: 26 May 2020 14:54

Instrument :
 BNA_G
 ClientSampleId :
 PB129080BL

Tot Ion:184 Resp: 56
 Ion Ratio Lower Upper
 184 100
 63 0.0 47.8 71.6#
 154 0.0 58.3 87.5#

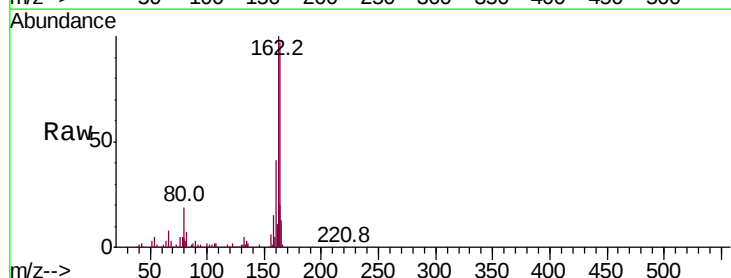


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

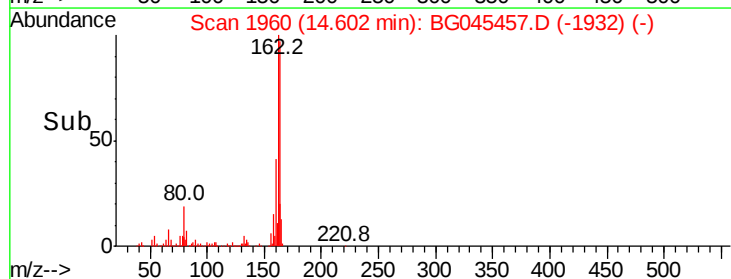
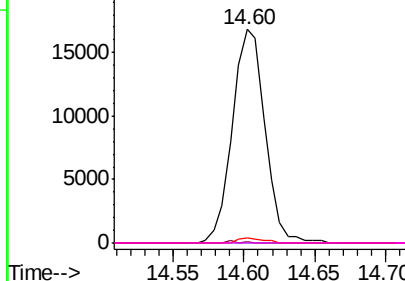


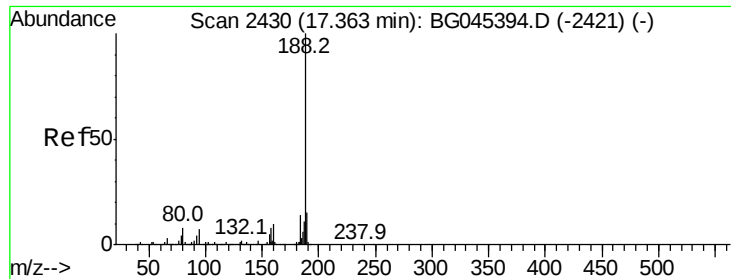
#57
 2,4-Dinitrotoluene
 Concen: 5.836 ng
 RT: 14.60 min Scan# 1960
 Delta R.T. -0.36 min
 Lab File: BG045457.D
 Acq: 26 May 2020 14:54

Tgt Ion:165 Resp: 27167
 Ion Ratio Lower Upper
 165 100
 63 0.9 32.5 48.7#
 89 2.1 61.8 92.6#
 182 0.0 2.3 3.5#



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
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

Instrument :

BNA_G

ClientSampleId :

PB129080BL

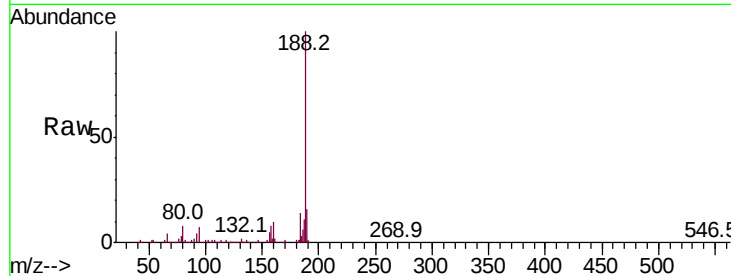
Tot Ion:188 Resp: 503253

Ion Ratio Lower Upper

188 100

94 6.9 5.5 8.3

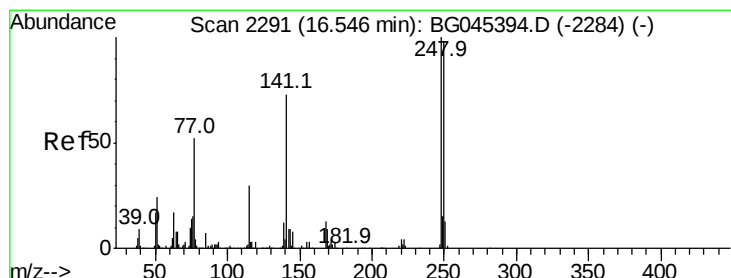
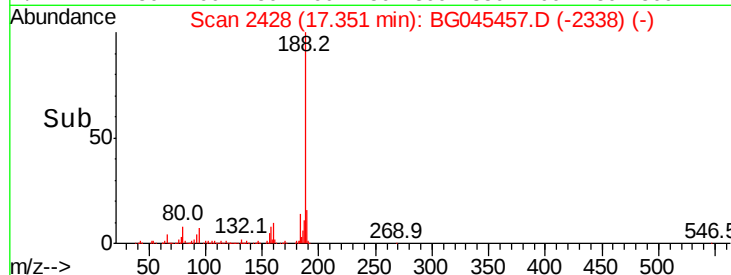
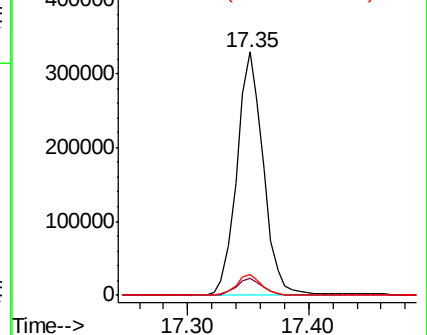
80 8.4 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.913 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.44 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

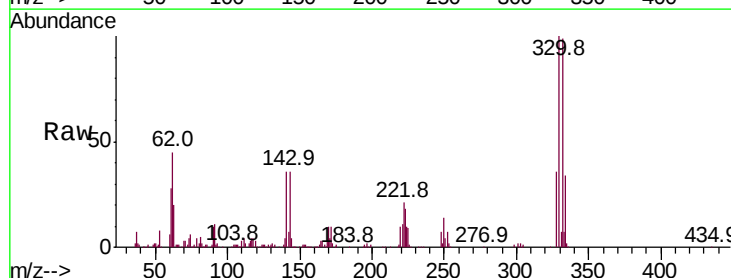
Tgt Ion:248 Resp: 26774

Ion Ratio Lower Upper

248 100

250 206.5 78.6 117.8#

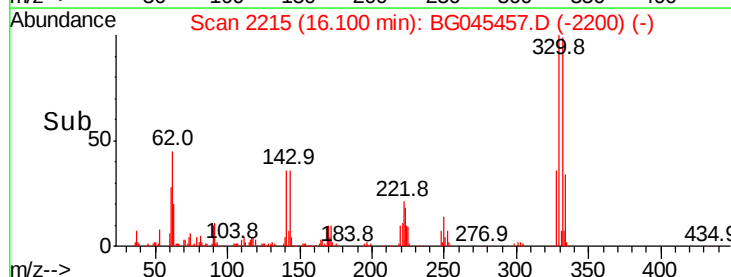
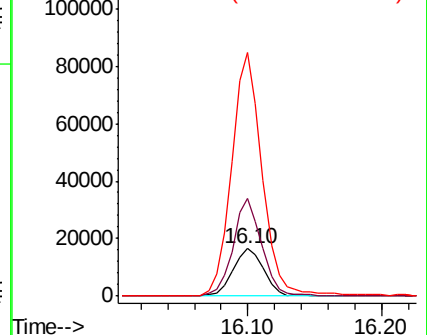
141 512.5 58.2 87.2#

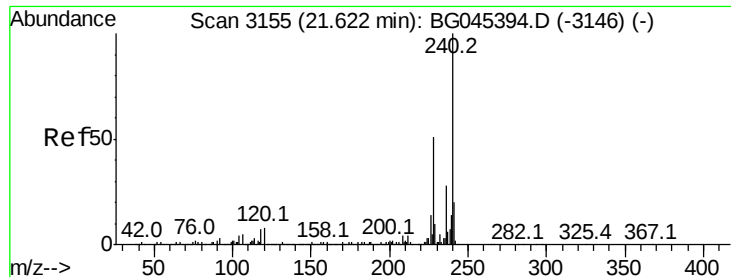


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

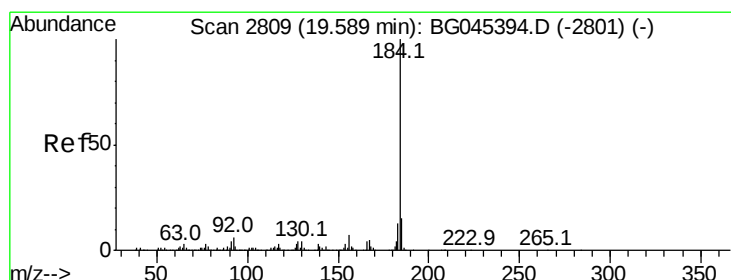
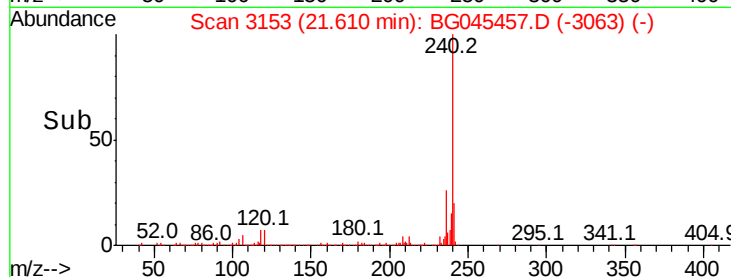
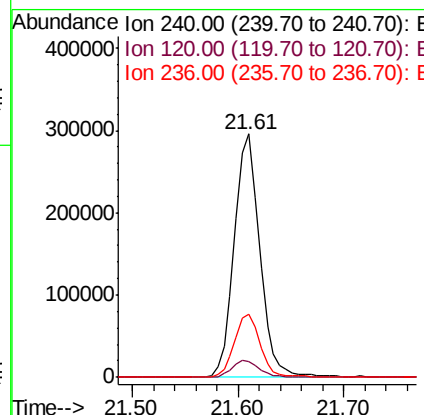
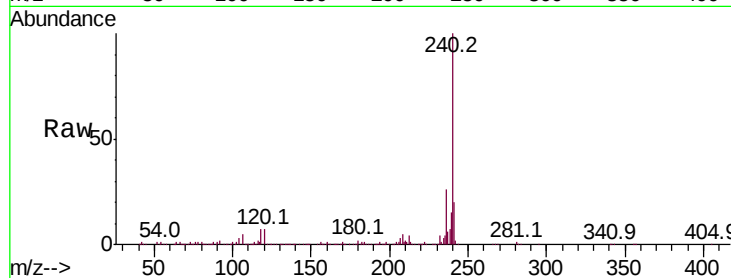




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.61 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: BG045457.D
 Acq: 26 May 2020 14:54

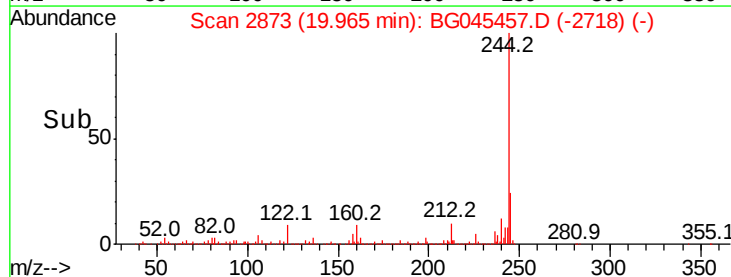
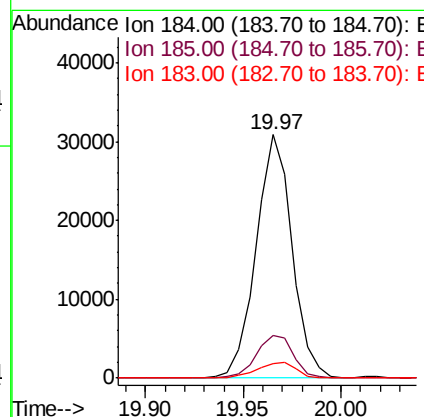
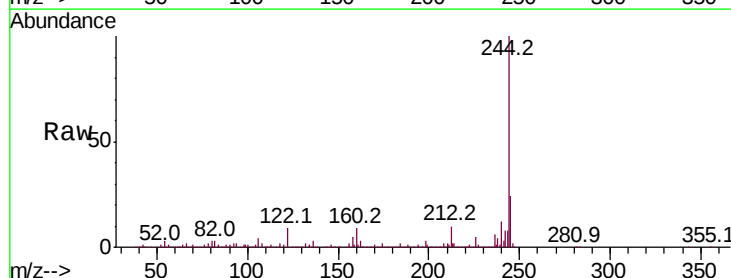
Instrument :
 BNA_G
 ClientSampleId :
 PB129080BL

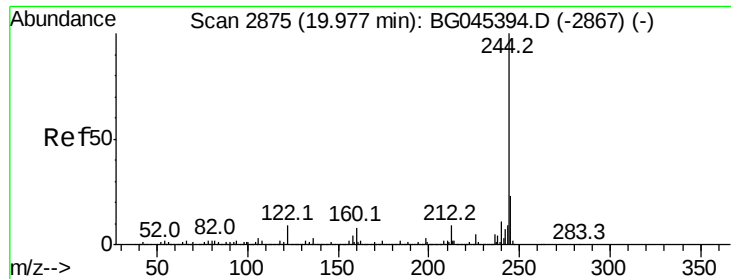
Tot Ion:240 Resp: 495482
 Ion Ratio Lower Upper
 240 100
 120 6.6 6.1 9.1
 236 25.8 22.3 33.5



#77
 Benzidine
 Concen: 2.822 ng
 RT: 19.97 min Scan# 2873
 Delta R.T. 0.38 min
 Lab File: BG045457.D
 Acq: 26 May 2020 14:54

Tgt Ion:184 Resp: 39274
 Ion Ratio Lower Upper
 184 100
 185 17.8 11.7 17.5#
 183 6.0 10.2 15.4#





#79

Terphenyl-d14

Concen: 98.748 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

Instrument :

BNA_G

ClientSampleId :

PB129080BL

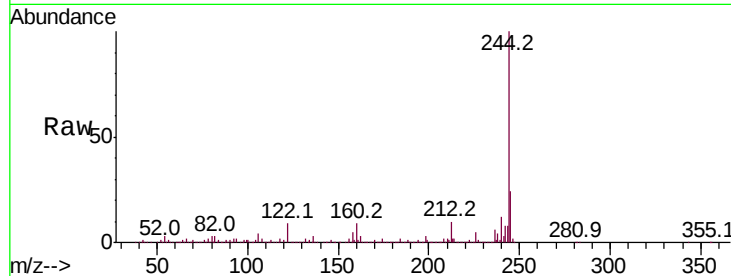
Tot Ion:244 Resp: 2097829

Ion Ratio Lower Upper

244 100

212 9.8 7.4 11.0

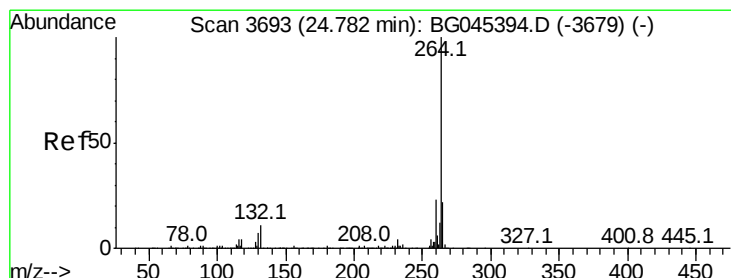
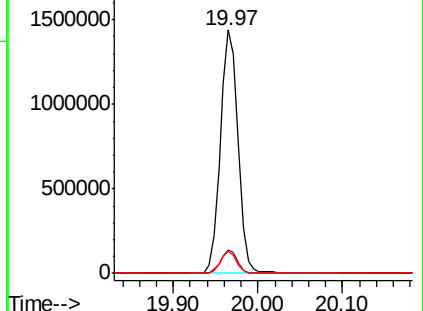
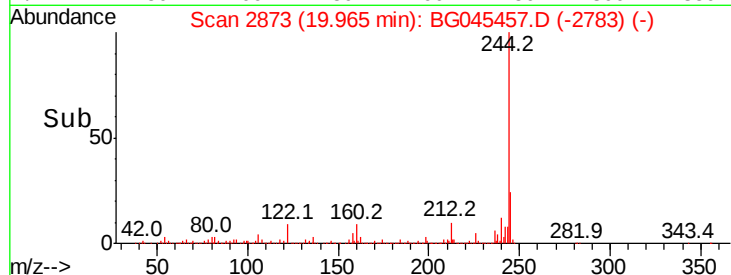
122 9.3 6.8 10.2



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. 0.00 min

Lab File: BG045457.D

Acq: 26 May 2020 14:54

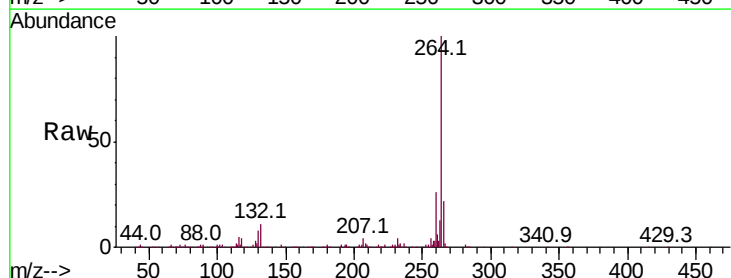
Tgt Ion:264 Resp: 517860

Ion Ratio Lower Upper

264 100

260 26.0 18.2 27.4

265 21.9 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

