

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060520\
 Data File : BG045621.D
 Acq On : 5 Jun 2020 18:10
 Operator : CG/JU
 Sample : PB129333BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129333BL

Quant Time: Jun 06 01:17:30 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

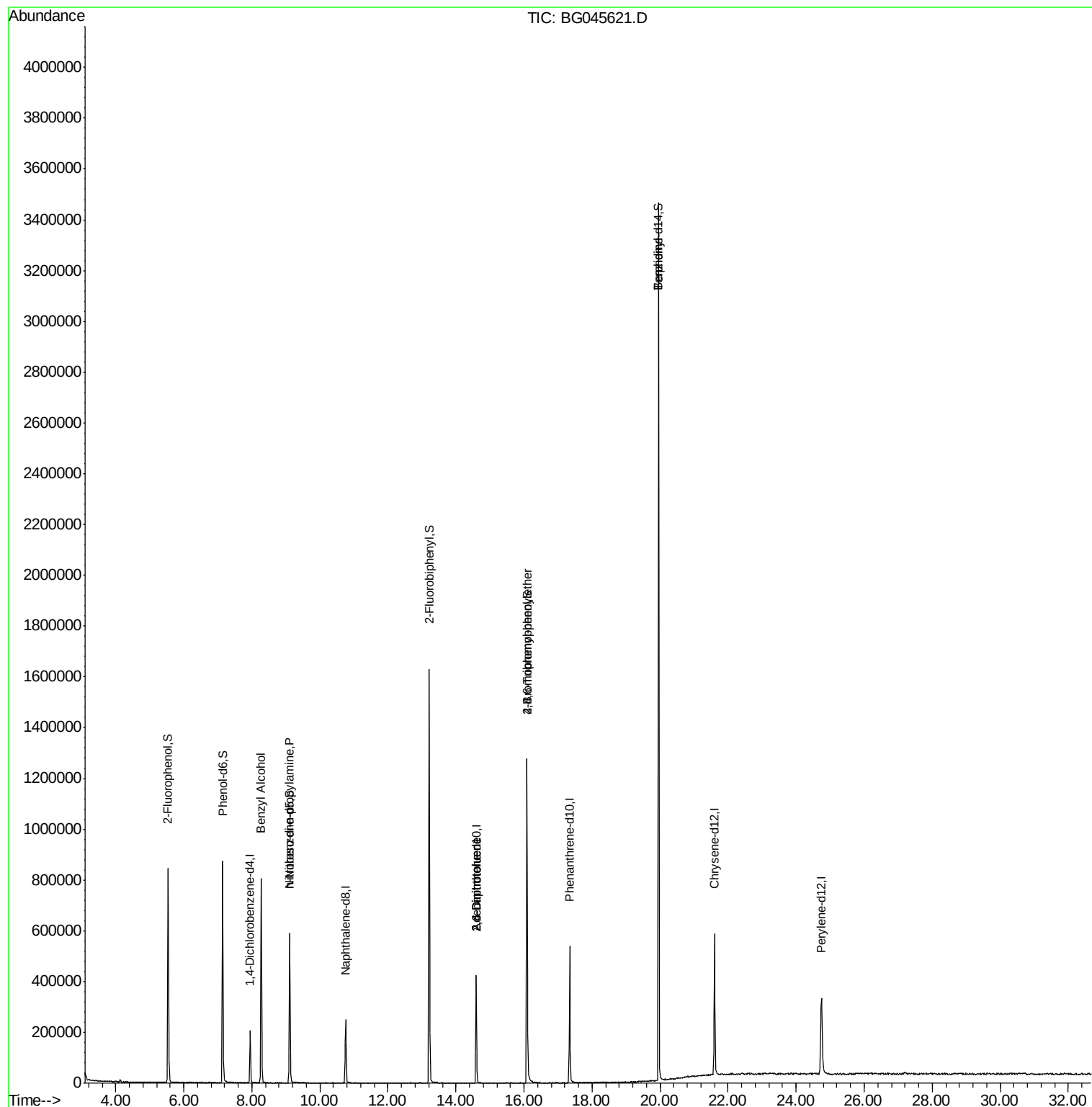
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	60463	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	230253	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	160496	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	361041	20.00	ng	0.00
76) Chrysene-d12	21.60	240	391179	20.00	ng	0.00
87) Perylene-d12	24.74	264	396047	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	431972	139.62	ng	0.00
7) Phenol-d6	7.14	99	598941	136.02	ng	0.00
23) Nitrobenzene-d5	9.11	82	412718	97.75	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	287365	140.00	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	914314	96.63	ng	0.00
79) Terphenyl-d14	19.96	244	1686457	100.55	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.28	79	7391	2.032	ng	# 41
19) n-Nitroso-di-n-propylamine	9.11	70	57150	18.768	ng	# 81
51) 2,6-Dinitrotoluene	14.59	165	20145	8.109	ng	# 23
57) 2,4-Dinitrotoluene	14.59	165	20145	5.599	ng	# 22
67) 4-Bromophenyl-phenylether	16.09	248	19206	4.913	ng	# 1
77) Benzidine	19.96	184	31533	2.870	ng	# 92

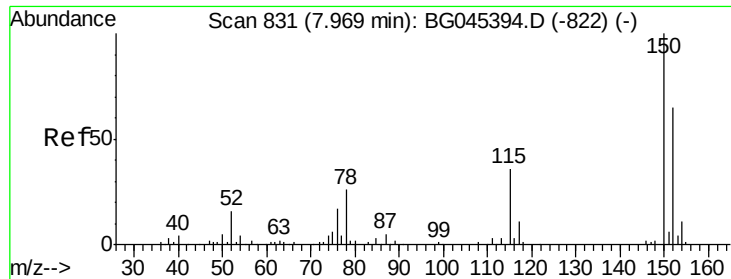
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 01 15:07:00 2020
Response via : Initial Calibration



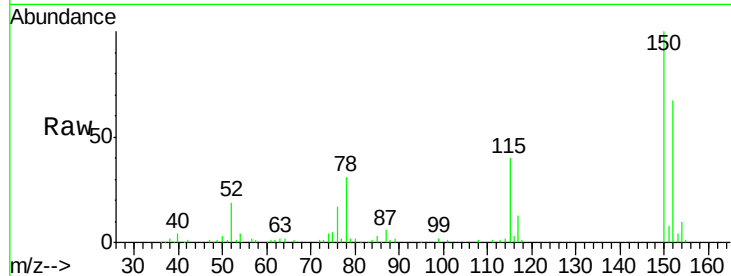


#1

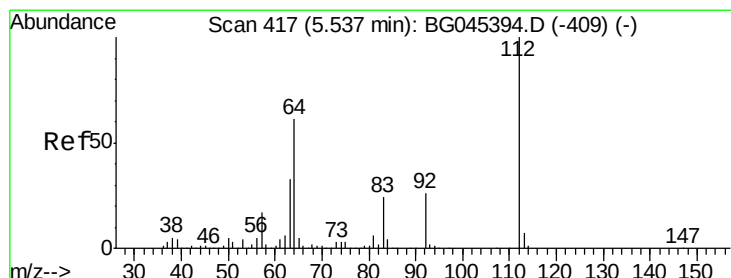
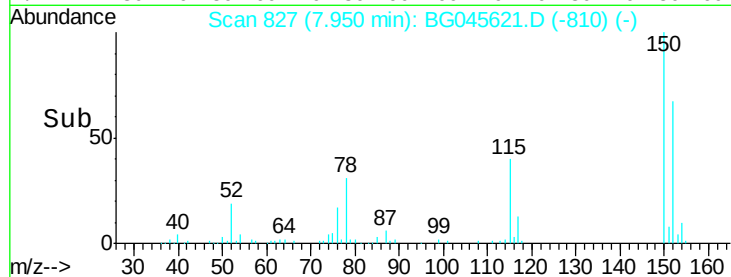
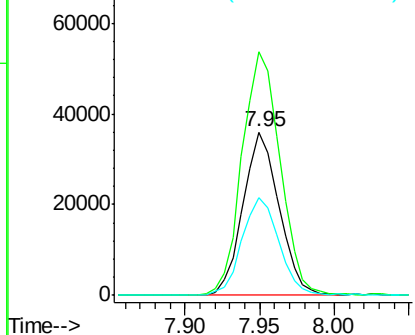
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG045621.D
Acq: 5 Jun 2020 18:10

Instrument :
BNA_G
ClientSampleId :
PB129333BL

Tot Ion:152 Resp: 60463
Ion Ratio Lower Upper
152 100
150 149.2 122.4 183.6
115 59.7 44.2 66.4



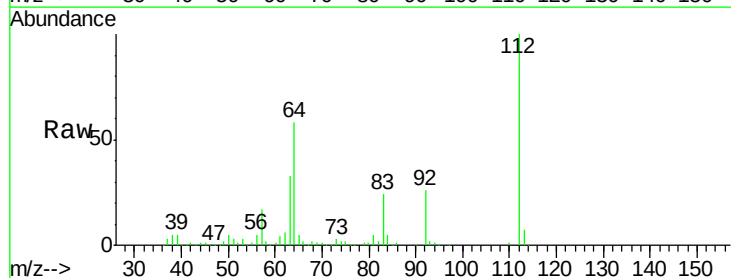
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



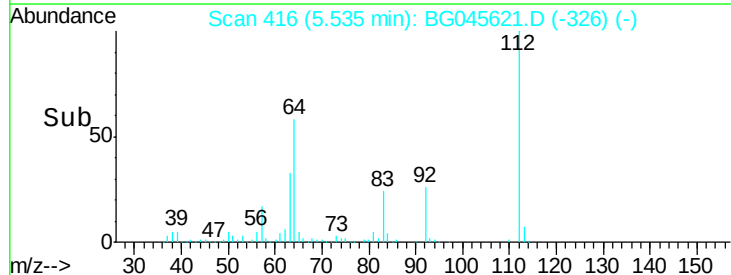
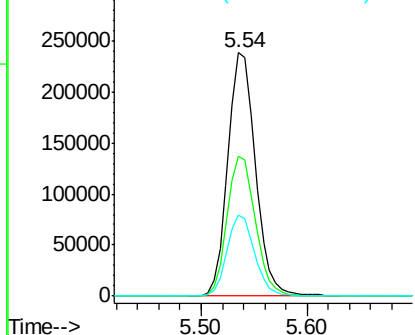
#5

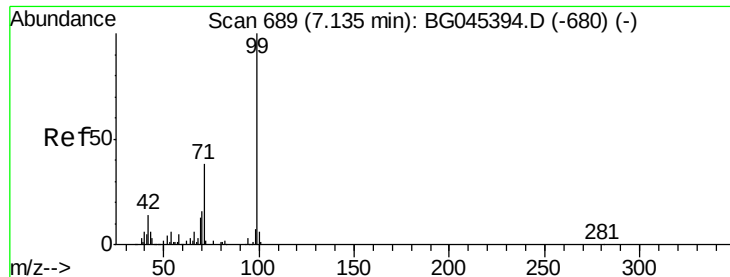
2-Fluorophenol
Concen: 139.623 ng
RT: 5.54 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG045621.D
Acq: 5 Jun 2020 18:10

Tgt Ion:112 Resp: 431972
Ion Ratio Lower Upper
112 100
64 57.6 48.6 72.8
63 33.4 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: 136.016 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045621.D

Acq: 5 Jun 2020 18:10

Instrument :

BNA_G

ClientSampleId :

PB129333BL

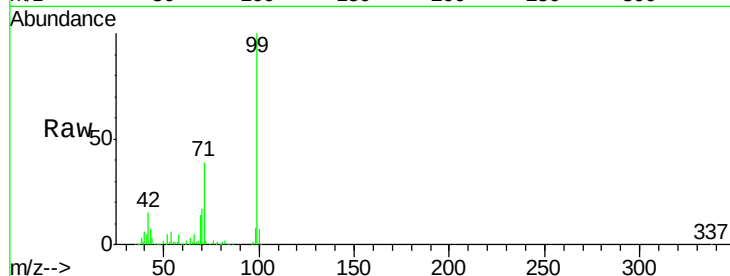
Tot Ion: 99 Resp: 598941

Ion Ratio Lower Upper

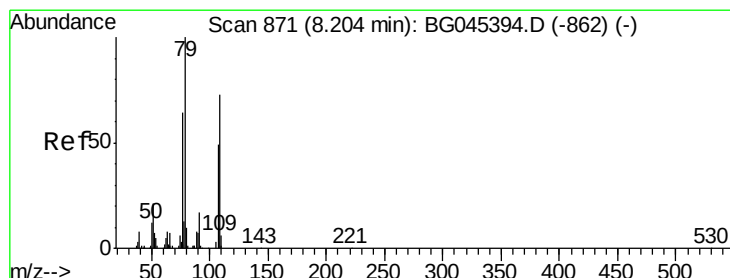
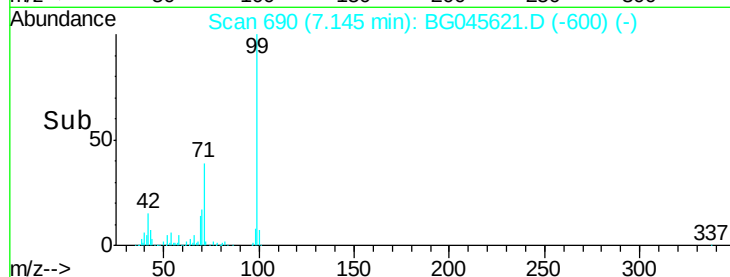
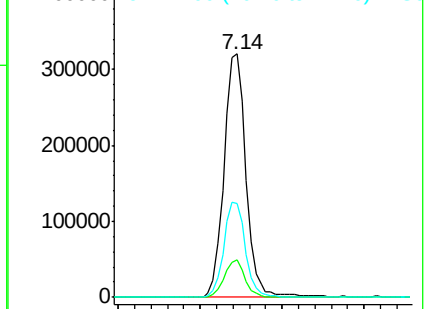
99 100

42 15.5 11.3 16.9

71 38.6 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



#15

Benzyl Alcohol

Concen: 2.032 ng

RT: 8.28 min Scan# 883

Delta R.T. 0.08 min

Lab File: BG045621.D

Acq: 5 Jun 2020 18:10

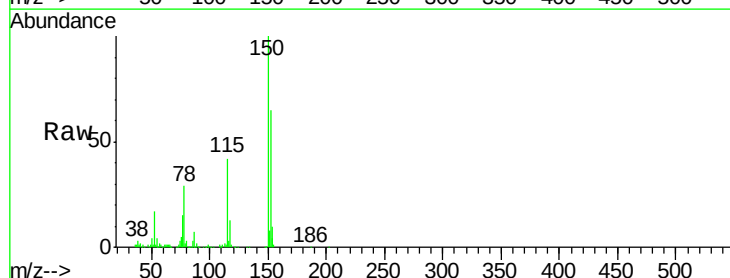
Tgt Ion: 79 Resp: 7391

Ion Ratio Lower Upper

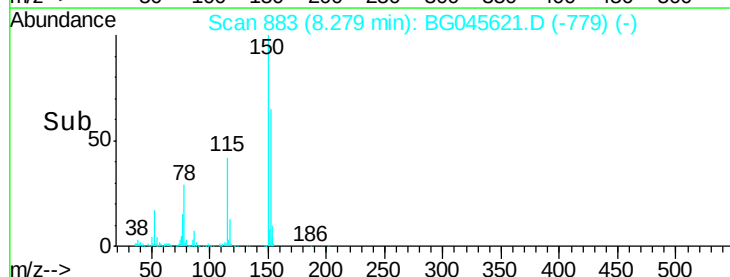
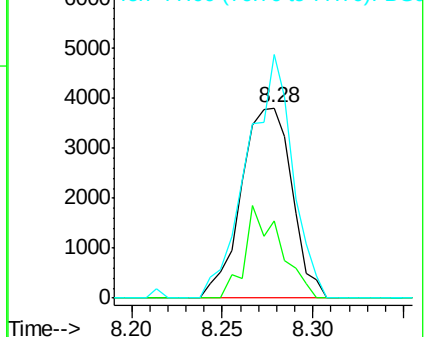
79 100

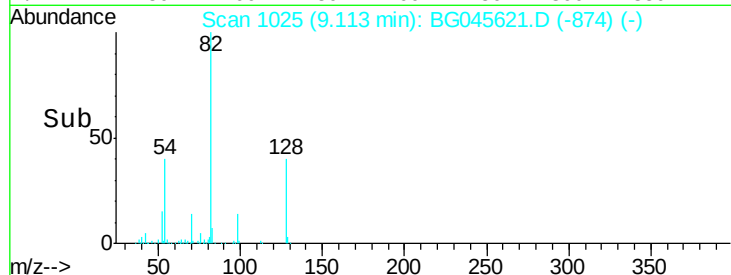
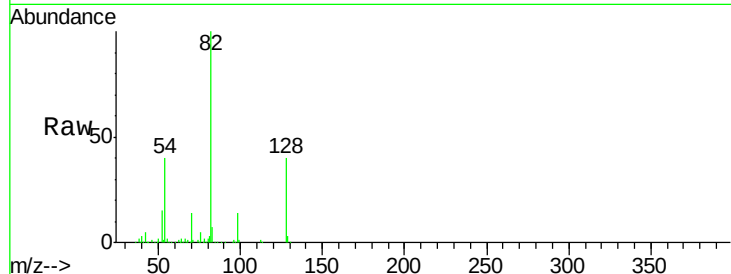
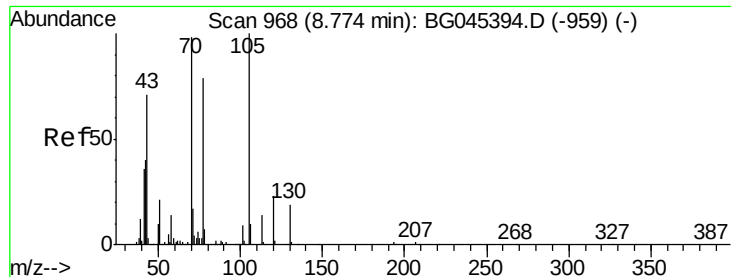
108 40.8 58.2 87.4#

77 128.1 51.0 76.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

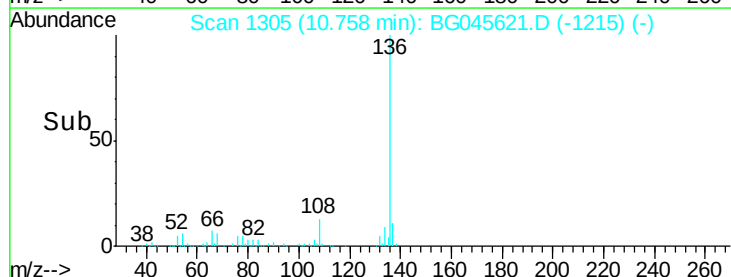
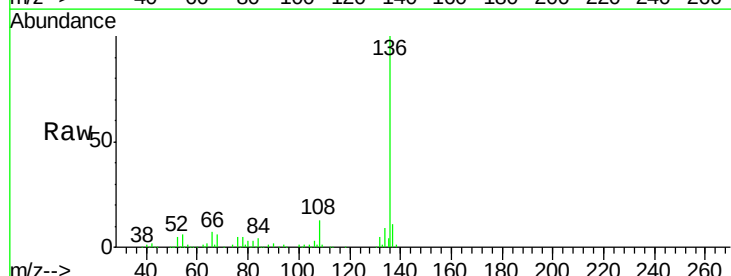
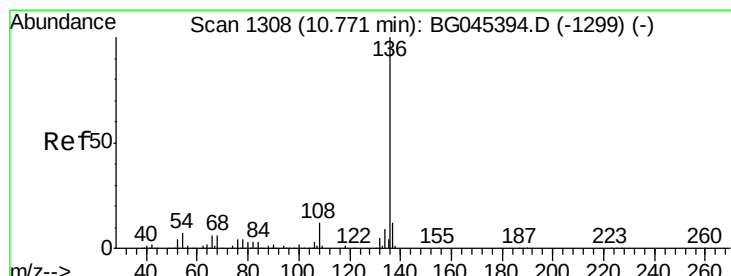
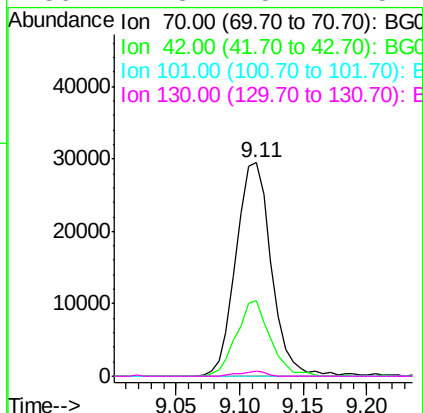




#19
n-Nitroso-di-n-propylamine
Concen: 18.768 ng
RT: 9.11 min Scan# 1025
Delta R.T. 0.36 min
Lab File: BG045621.D
Acq: 5 Jun 2020 18:10

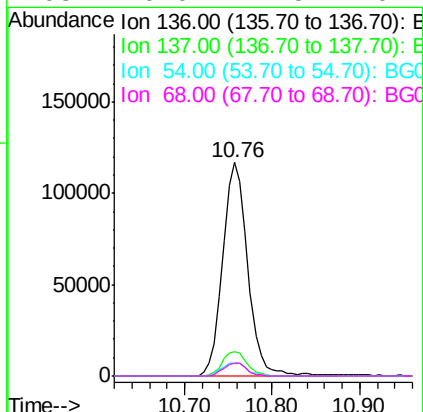
Instrument :
BNA_G
ClientSampleId :
PB129333BL

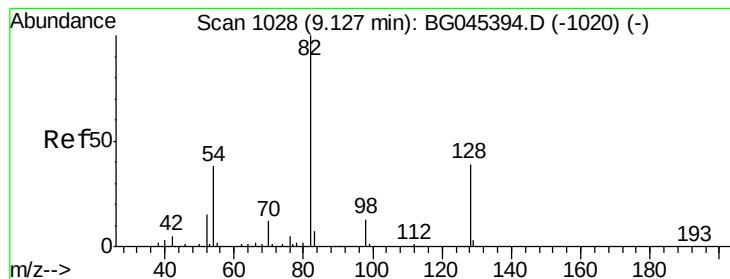
Tot Ion	Ratio	Lower	Upper
70	100		
42	35.5	33.2	49.8
101	0.0	7.8	11.6#
130	2.3	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BG045621.D
Acq: 5 Jun 2020 18:10

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.2
54	6.0	5.8	8.6
68	6.0	4.5	6.7





#23

Nitrobenzene-d5

Concen: 97.745 ng

RT: 9.11 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG045621.D

Acq: 5 Jun 2020 18:10

Instrument :

BNA_G

ClientSampleId :

PB129333BL

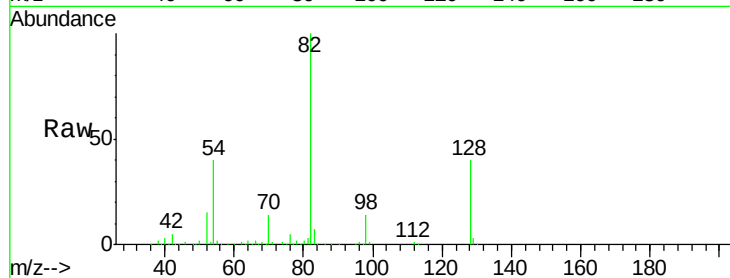
Tot Ion: 82 Resp: 412718

Ion Ratio Lower Upper

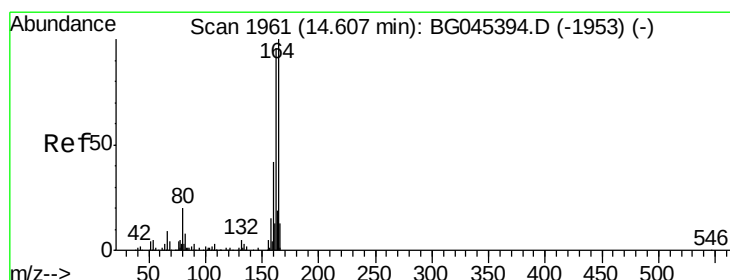
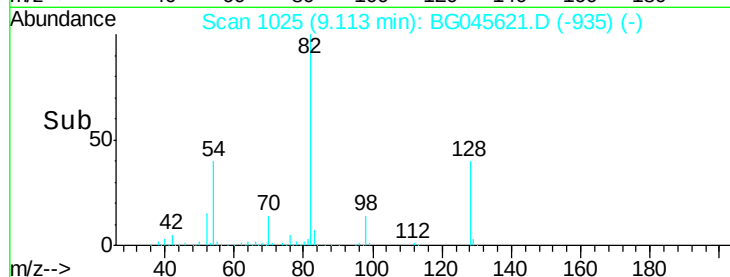
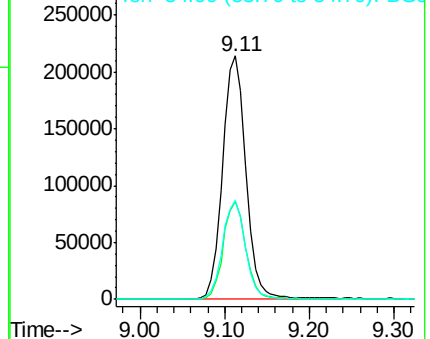
82 100

128 40.1 30.9 46.3

54 40.4 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: 14.59 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BG045621.D

Acq: 5 Jun 2020 18:10

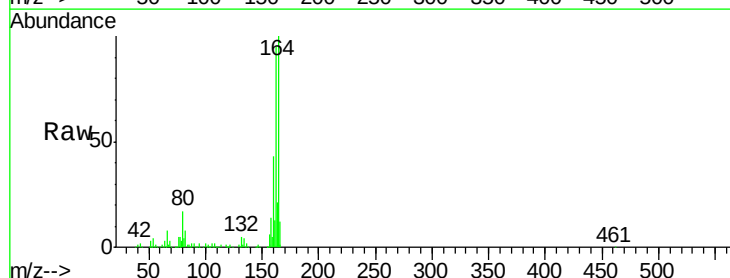
Tgt Ion: 164 Resp: 160496

Ion Ratio Lower Upper

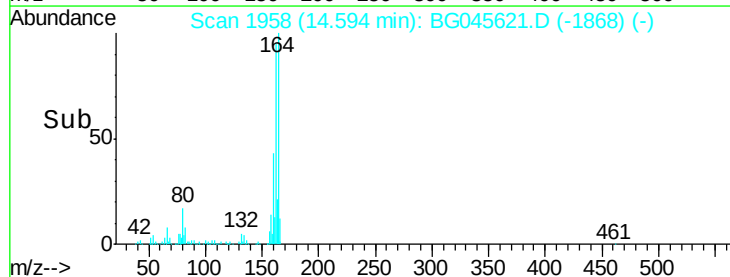
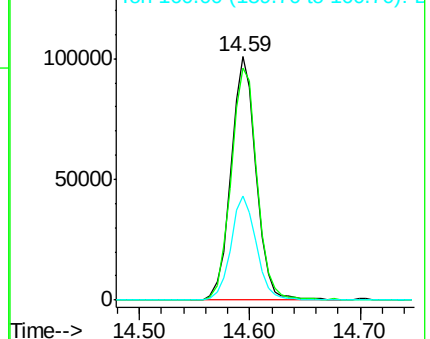
164 100

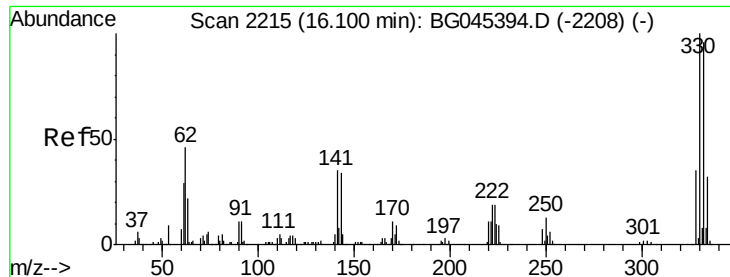
162 95.4 76.9 115.3

160 42.9 33.8 50.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

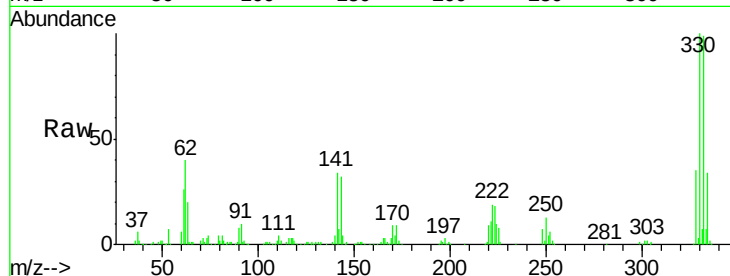




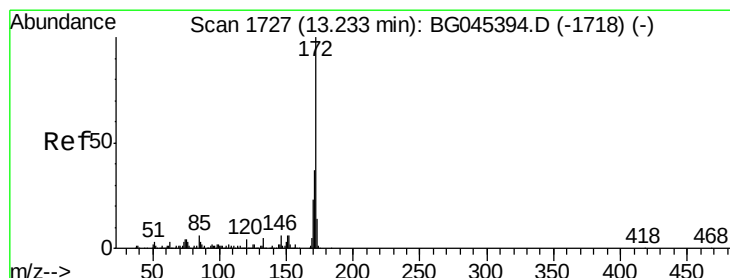
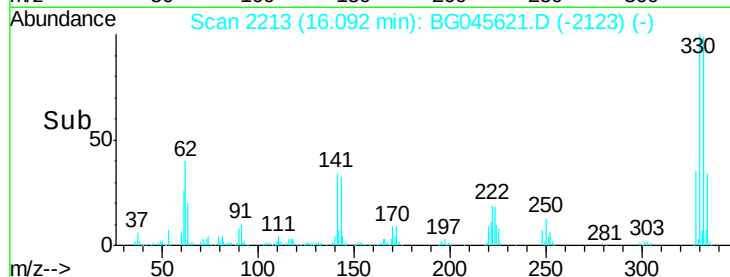
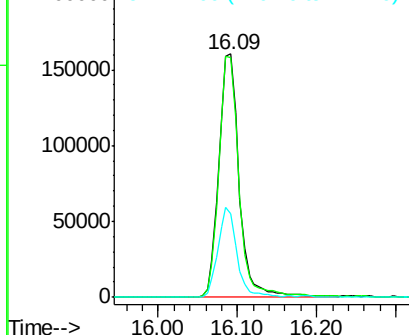
#42
 2,4,6-Tribromophenol
 Concen: 140.003 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: BG045621.D
 Acq: 5 Jun 2020 18:10

Instrument :
 BNA_G
 ClientSampleId :
 PB129333BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	34.3	28.2	42.4

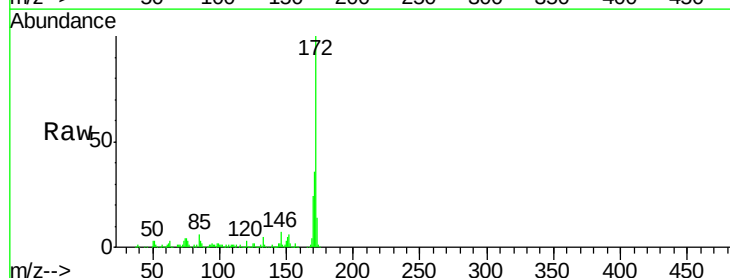


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

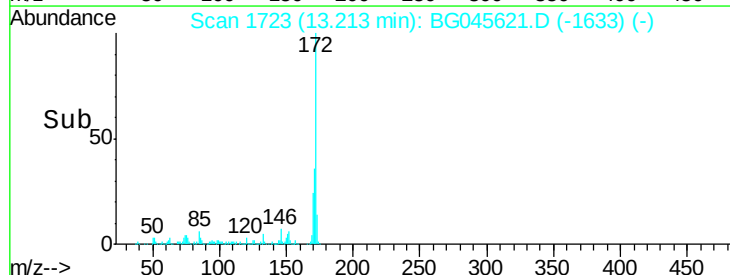
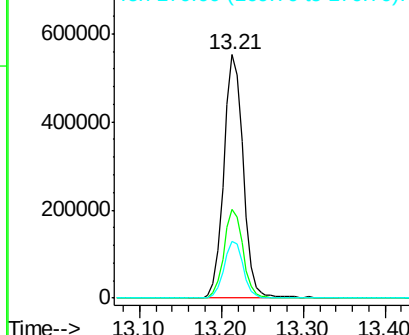


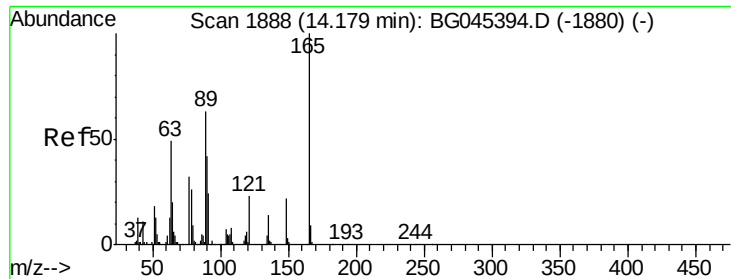
#45
 2-Fluorobiphenyl
 Concen: 96.630 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. -0.00 min
 Lab File: BG045621.D
 Acq: 5 Jun 2020 18:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	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

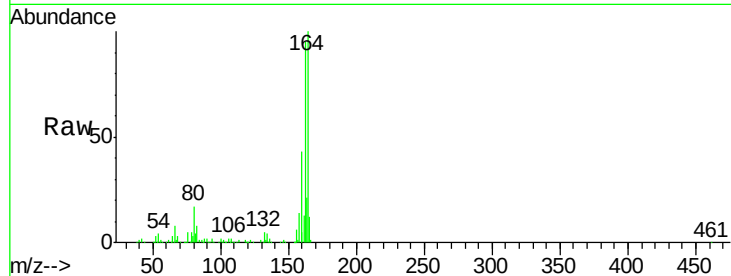




#51
 2,6-Dinitrotoluene
 Concen: 8.109 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. 0.43 min
 Lab File: BG045621.D
 Acq: 5 Jun 2020 18:10

Instrument :
 BNA_G
 ClientSampleId :
 PB129333BL

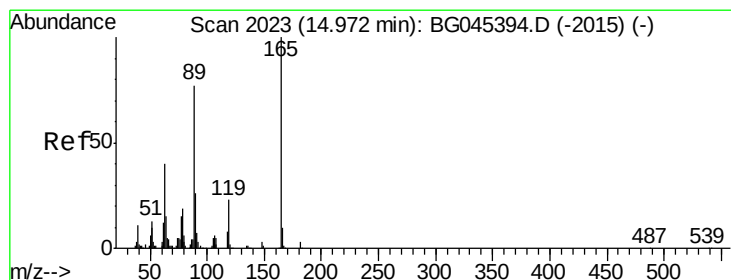
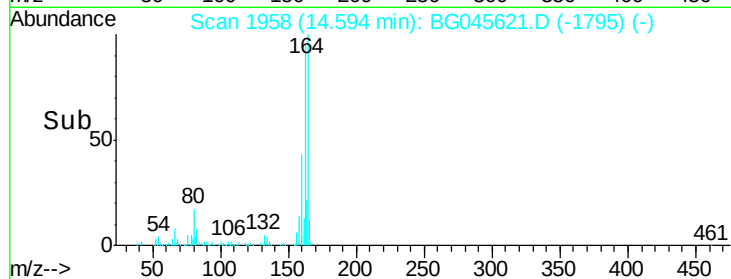
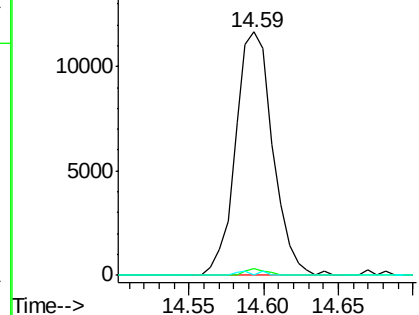
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	45.0	67.4#
89	0.0	50.2	75.4#



Abundance Ion 165.00 (164.70 to 165.70): E

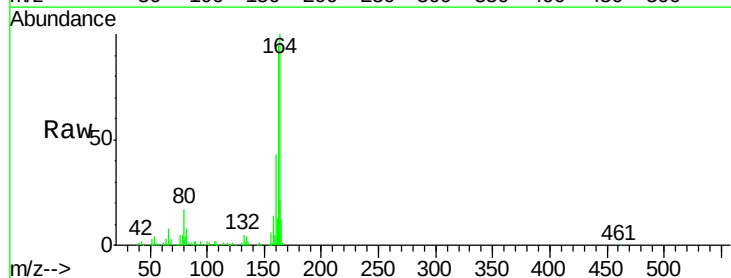
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.599 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.37 min
 Lab File: BG045621.D
 Acq: 5 Jun 2020 18:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	32.5	48.7#
89	0.0	61.8	92.6#
182	0.0	2.3	3.5#

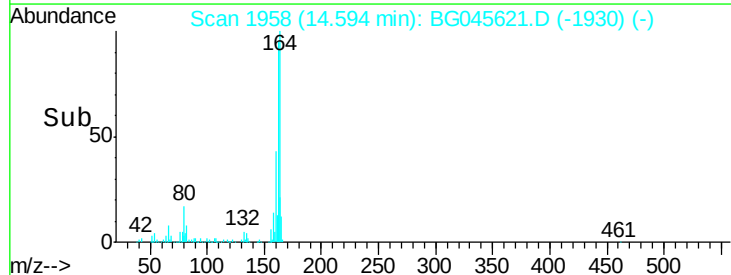
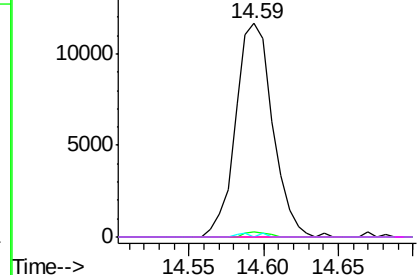


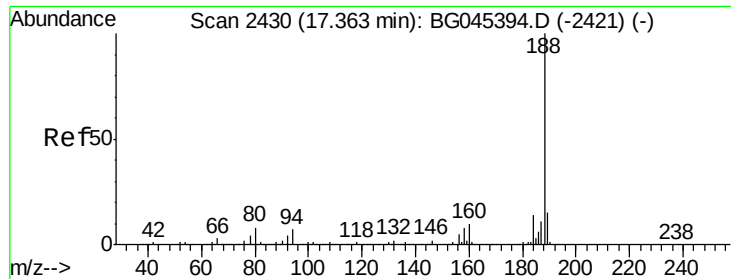
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BG045621.D

Acq: 5 Jun 2020 18:10

Instrument :

BNA_G

ClientSampleId :

PB129333BL

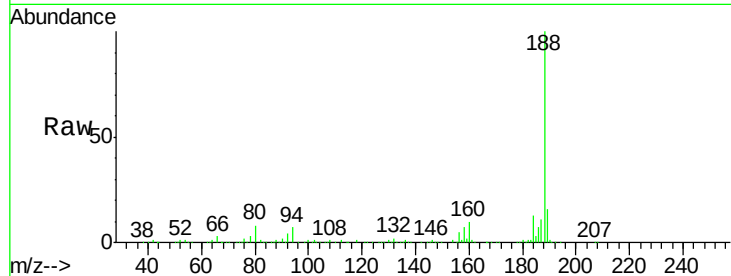
Tot Ion:188 Resp: 361041

Ion Ratio Lower Upper

188 100

94 7.2 5.5 8.3

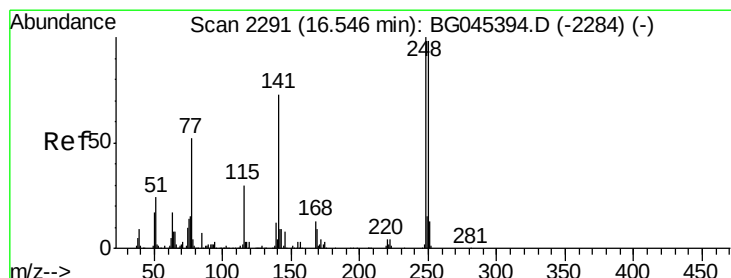
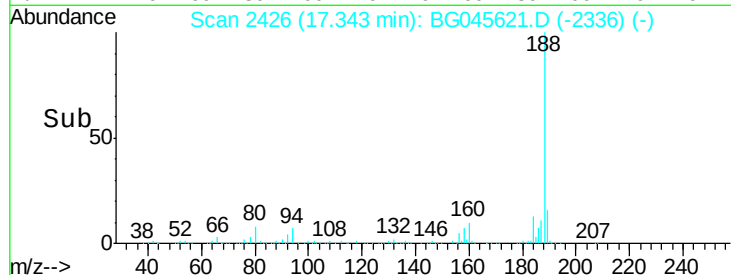
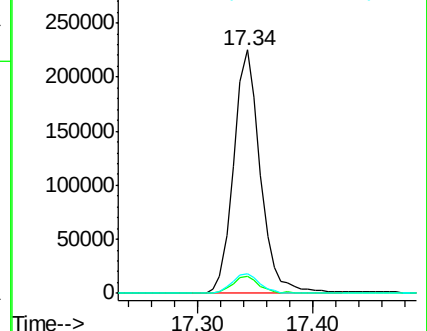
80 8.3 6.6 10.0



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: 4.913 ng

RT: 16.09 min Scan# 2212

Delta R.T. -0.45 min

Lab File: BG045621.D

Acq: 5 Jun 2020 18:10

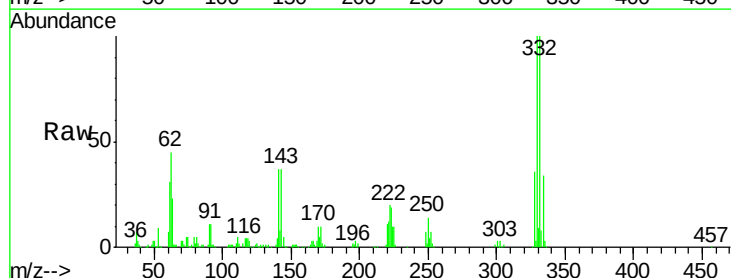
Tgt Ion:248 Resp: 19206

Ion Ratio Lower Upper

248 100

250 191.0 78.6 117.8#

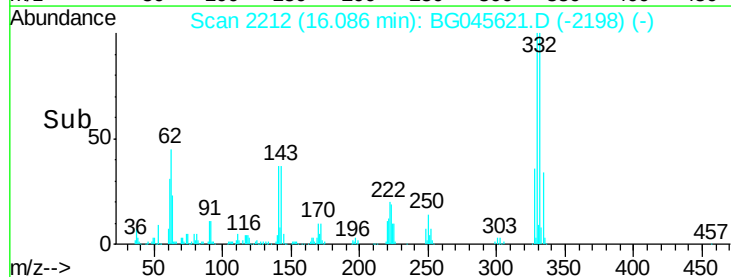
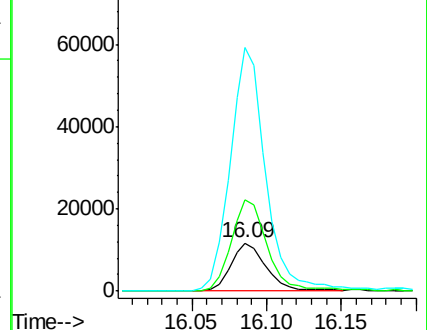
141 508.9 58.2 87.2#

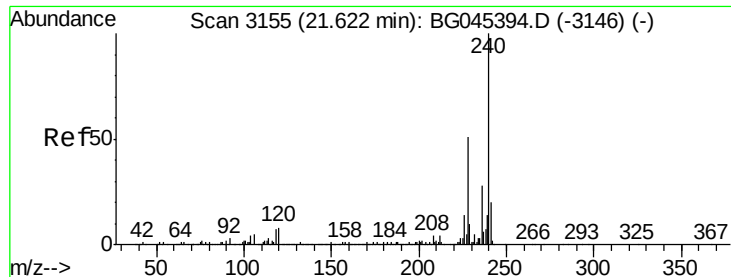


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

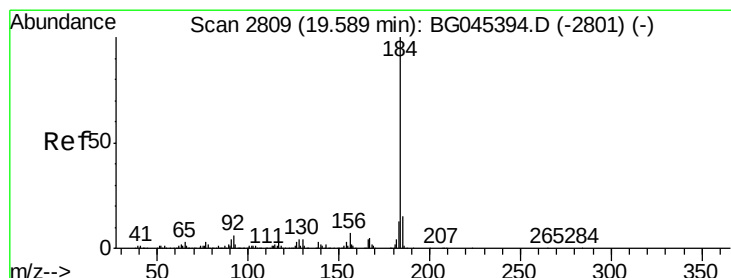
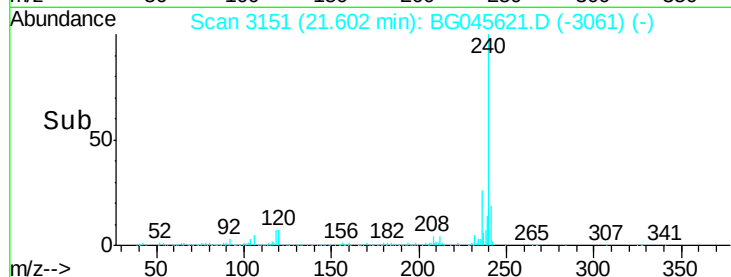
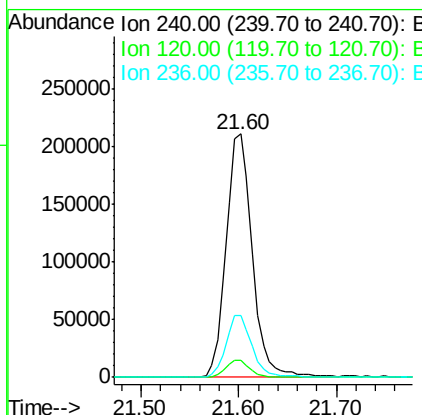
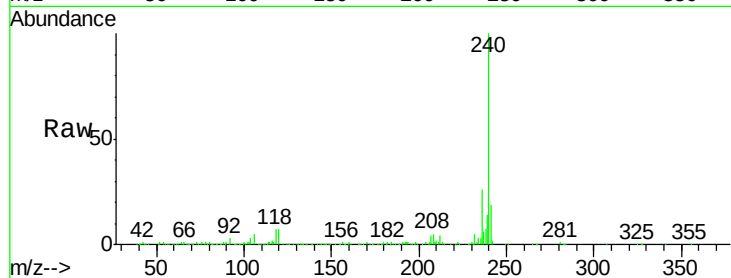




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG045621.D
Acq: 5 Jun 2020 18:10

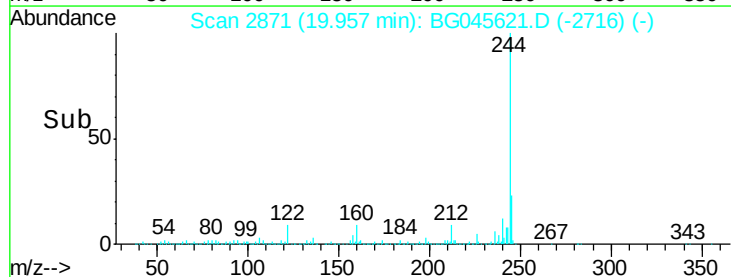
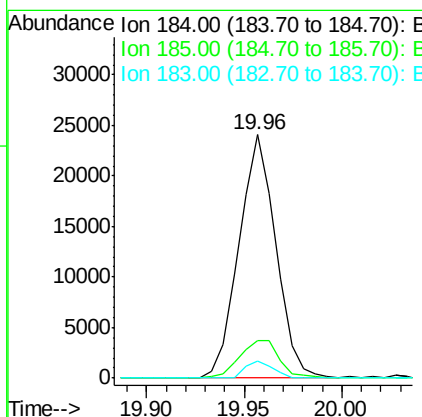
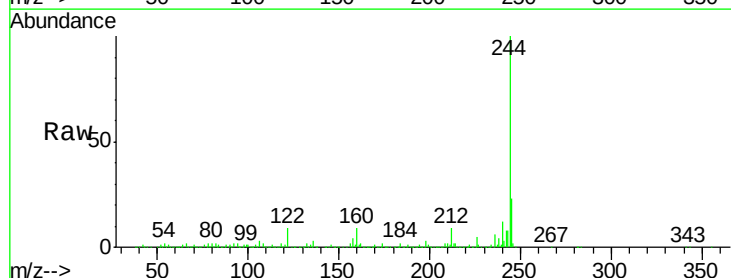
Instrument :
BNA_G
ClientSampleId :
PB129333BL

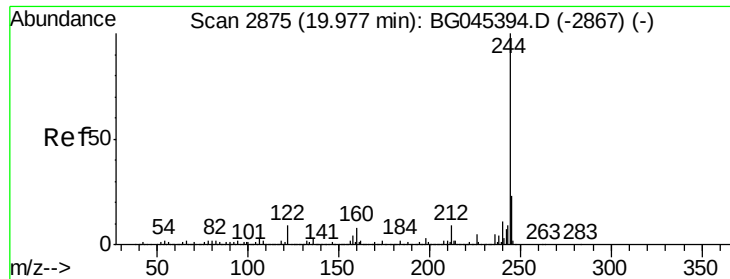
Tot Ion:240 Resp: 391179
Ion Ratio Lower Upper
240 100
120 6.8 6.1 9.1
236 25.6 22.3 33.5



#77
Benzidine
Concen: 2.870 ng
RT: 19.96 min Scan# 2871
Delta R.T. 0.38 min
Lab File: BG045621.D
Acq: 5 Jun 2020 18:10

Tgt Ion:184 Resp: 31533
Ion Ratio Lower Upper
184 100
185 15.5 11.7 17.5
183 6.8 10.2 15.4#





#79

Terphenyl-d14

Concen: 100.550 ng

RT: 19.96 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG045621.D

Acq: 5 Jun 2020 18:10

Instrument :

BNA_G

ClientSampleId :

PB129333BL

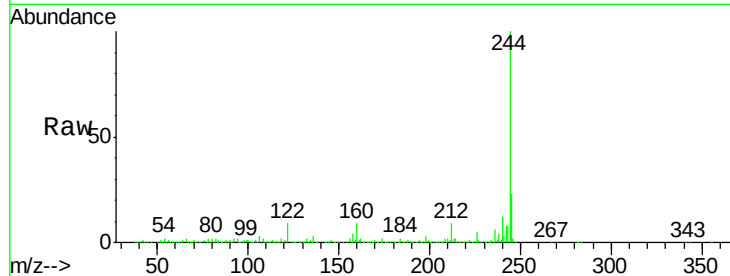
Tot Ion:244 Resp: 1686457

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.0

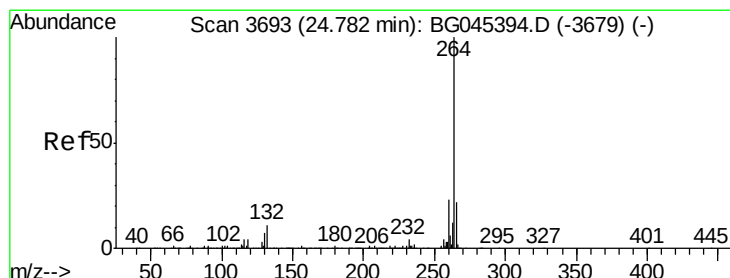
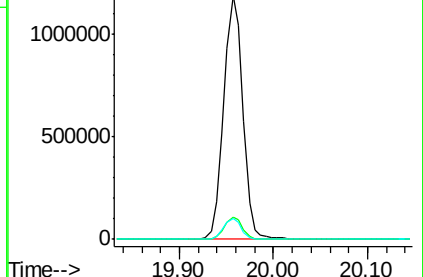
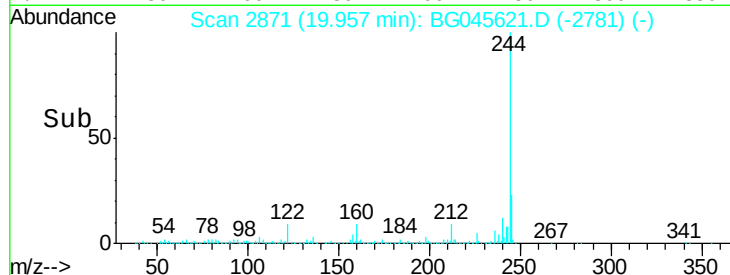
122 8.8 6.8 10.2



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: 24.74 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG045621.D

Acq: 5 Jun 2020 18:10

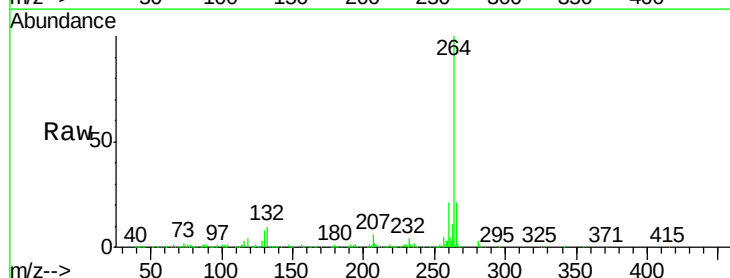
Tgt Ion:264 Resp: 396047

Ion Ratio Lower Upper

264 100

260 21.4 18.2 27.4

265 21.0 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

