

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060920\
 Data File : BG045674.D
 Acq On : 10 Jun 2020 00:34
 Operator : CG/JU
 Sample : PB129440BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129440BL

Quant Time: Jun 10 02:21:17 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

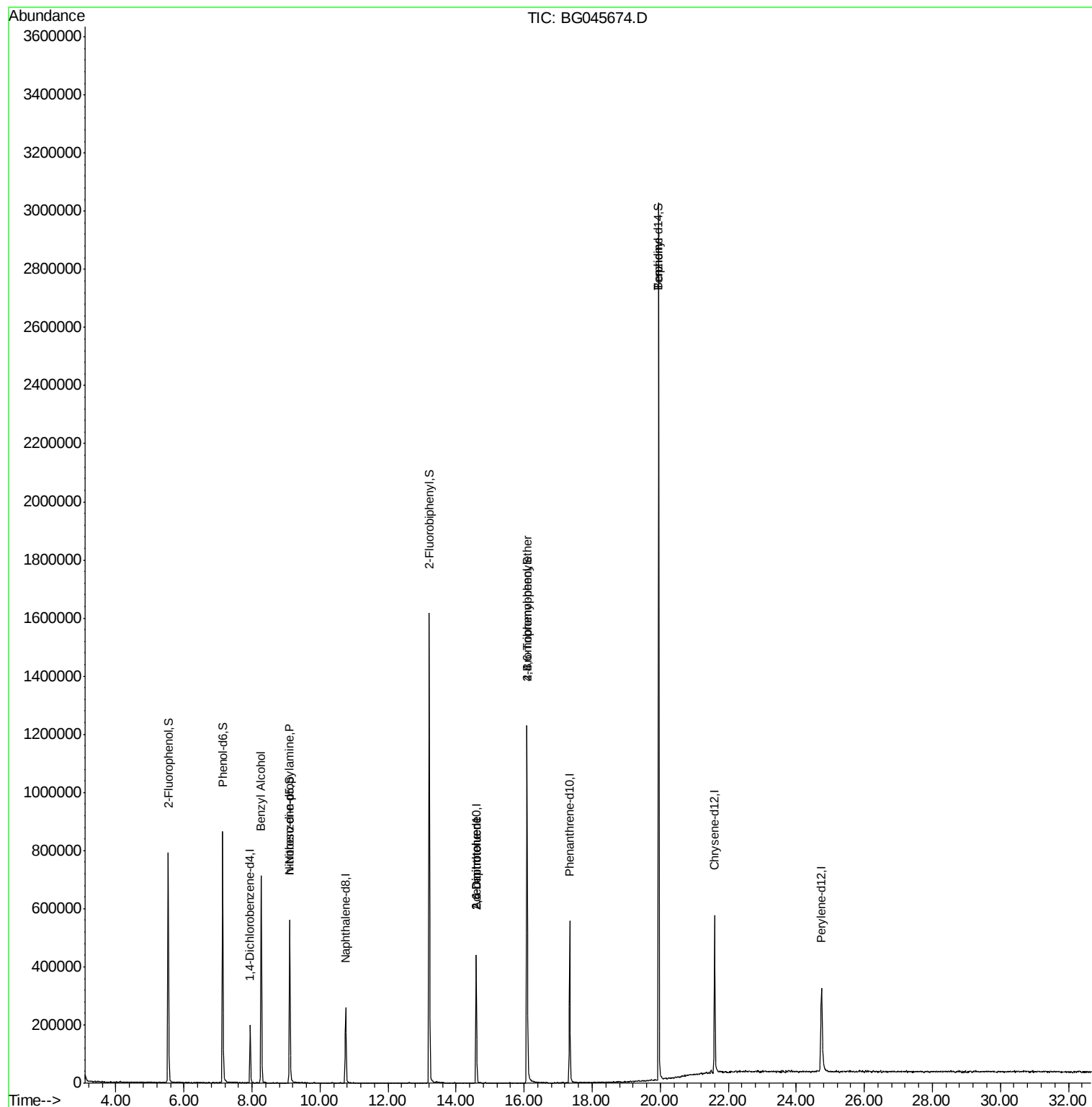
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	60309	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	241631	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	169623	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	392811	20.00	ng	0.00
76) Chrysene-d12	21.60	240	385414	20.00	ng	0.00
87) Perylene-d12	24.74	264	392096	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	404557	131.10	ng	0.00
7) Phenol-d6	7.14	99	579652	131.97	ng	0.00
23) Nitrobenzene-d5	9.11	82	397501	89.71	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	273200	125.94	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	918897	91.89	ng	0.00
79) Terphenyl-d14	19.95	244	1536102	92.96	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.27	79	7732	2.131	ng	# 53
19) n-Nitroso-di-n-propylamine	9.11	70	53611	17.651	ng	# 85
51) 2,6-Dinitrotoluene	14.59	165	22583	8.601	ng	# 21
57) 2,4-Dinitrotoluene	14.59	165	22585	5.939	ng	# 21
67) 4-Bromophenyl-phenylether	16.08	248	18723	4.402	ng	# 1
77) Benzidine	19.95	184	29163	2.694	ng	# 87

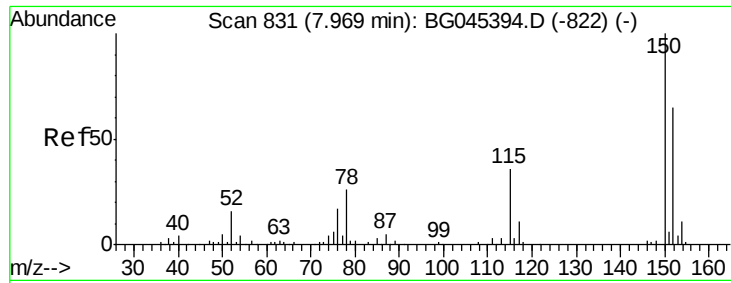
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



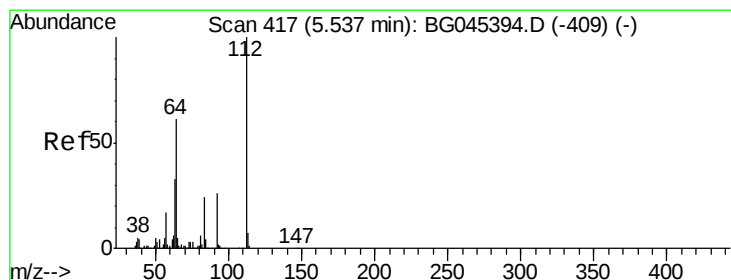
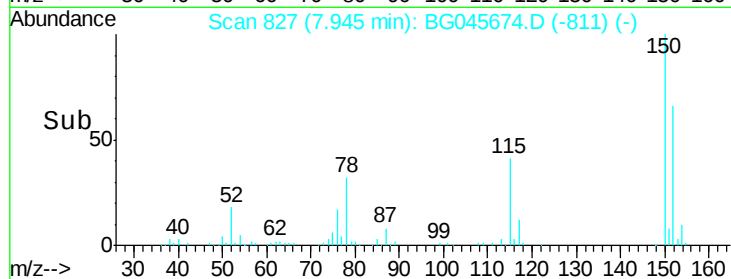
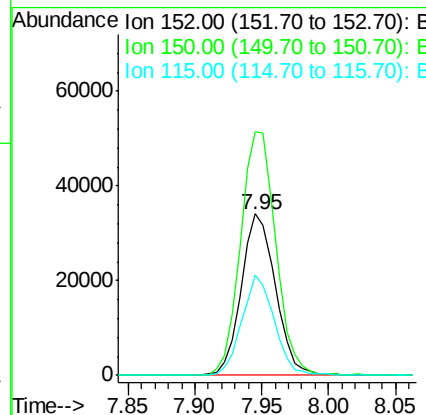
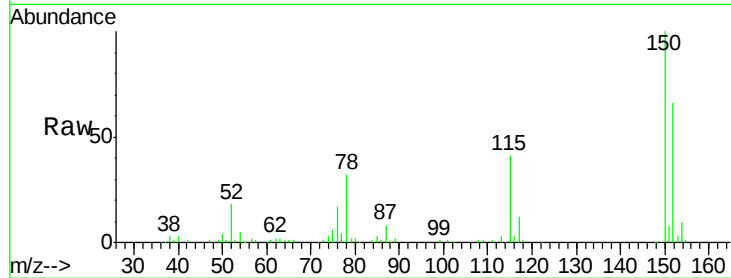


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045674.D
Acq: 10 Jun 2020 00:34

Instrument :
BNA_G
ClientSampleId :
PB129440BL

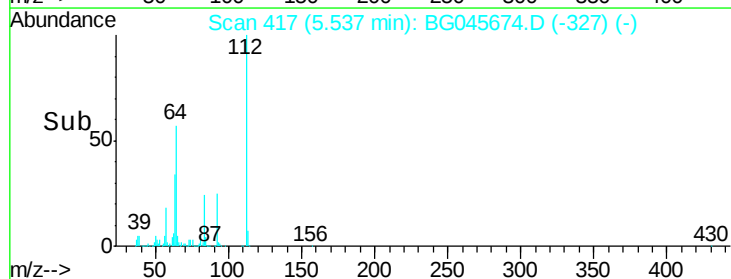
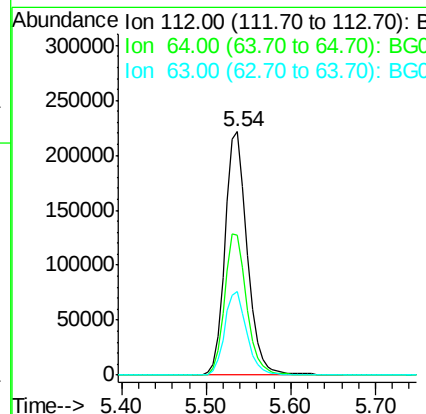
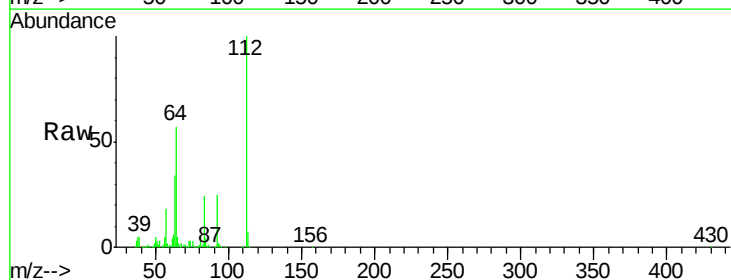
Tot Ion:152 Resp: 60309
Ion Ratio Lower Upper
152 100
150 151.1 122.4 183.6
115 62.5 44.2 66.4

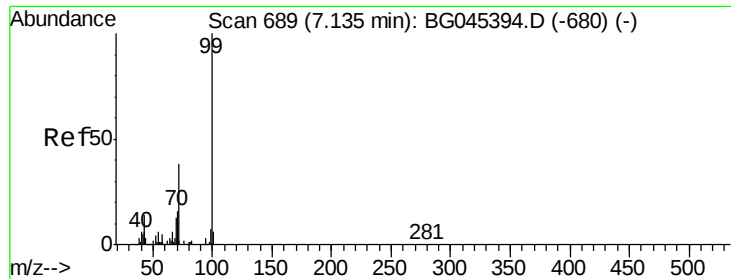


#5

2-Fluorophenol
Concen: 131.096 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG045674.D
Acq: 10 Jun 2020 00:34

Tgt Ion:112 Resp: 404557
Ion Ratio Lower Upper
112 100
64 57.5 48.6 72.8
63 34.3 26.5 39.7





#7

Phenol-d6

Concen: 131.971 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045674.D

Acq: 10 Jun 2020 00:34

Instrument :

BNA_G

ClientSampleId :

PB129440BL

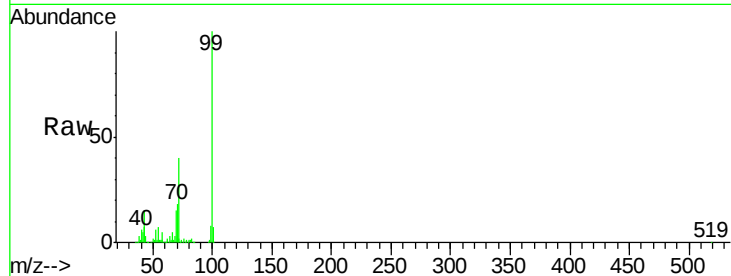
Tot Ion: 99 Resp: 579652

Ion Ratio Lower Upper

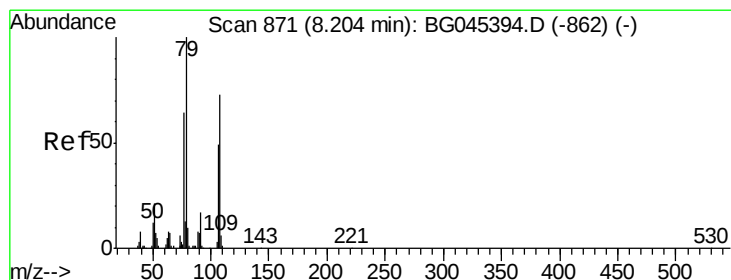
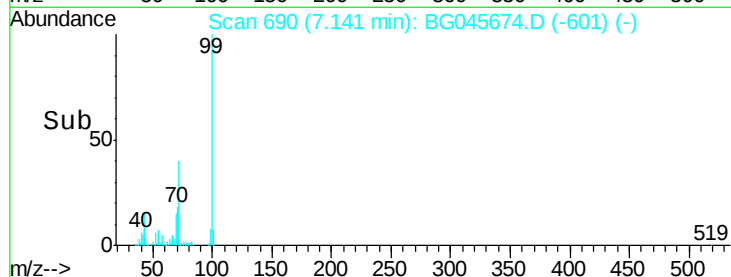
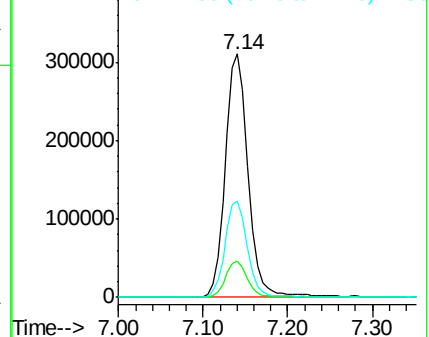
99 100

42 14.6 11.3 16.9

71 39.8 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: 2.131 ng

RT: 8.27 min Scan# 882

Delta R.T. 0.07 min

Lab File: BG045674.D

Acq: 10 Jun 2020 00:34

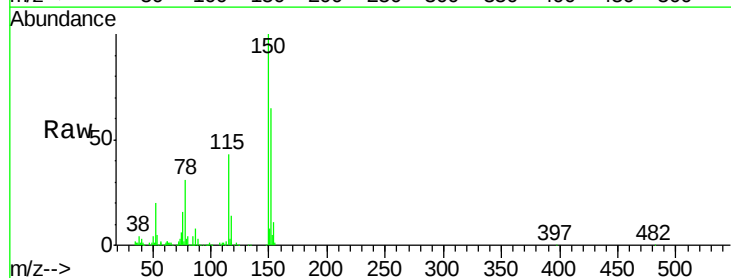
Tgt Ion: 79 Resp: 7732

Ion Ratio Lower Upper

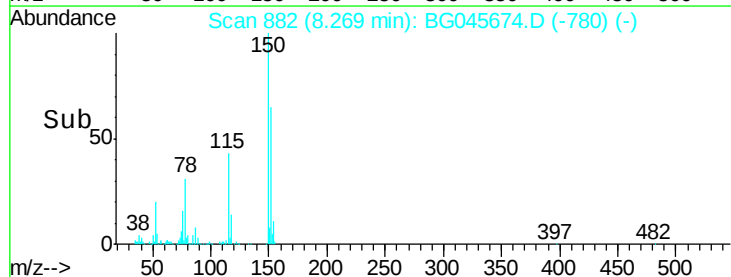
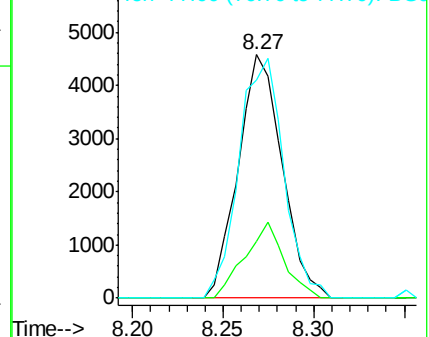
79 100

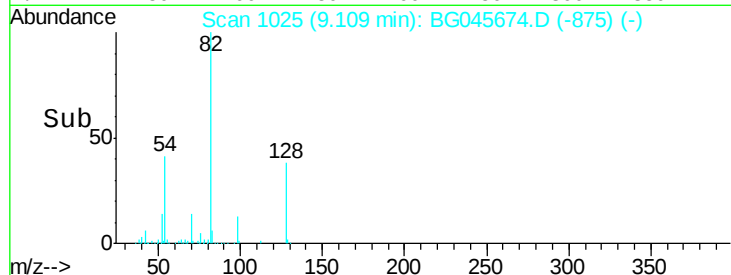
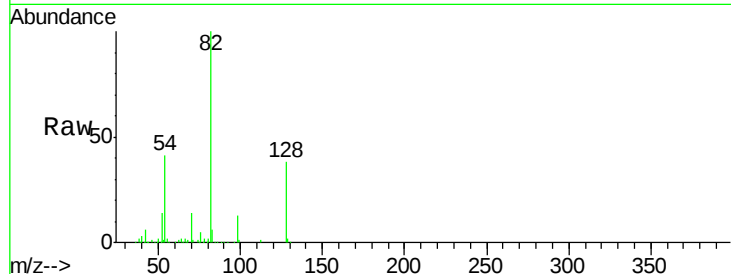
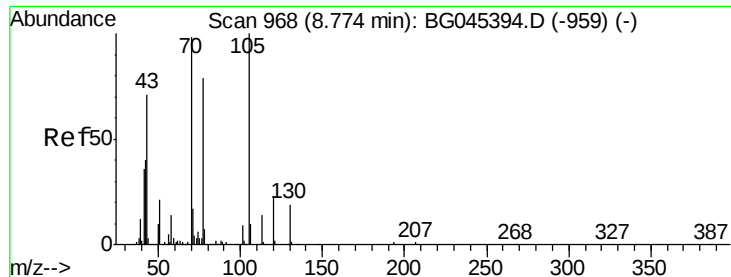
108 23.4 58.2 87.4#

77 89.6 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

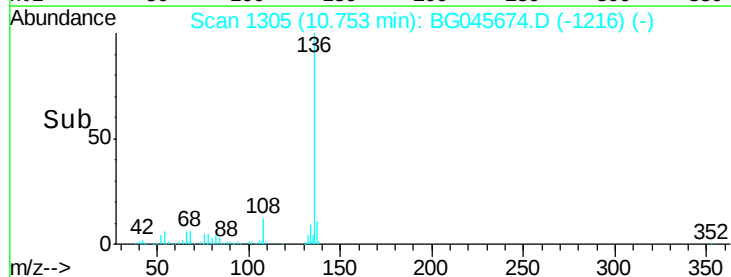
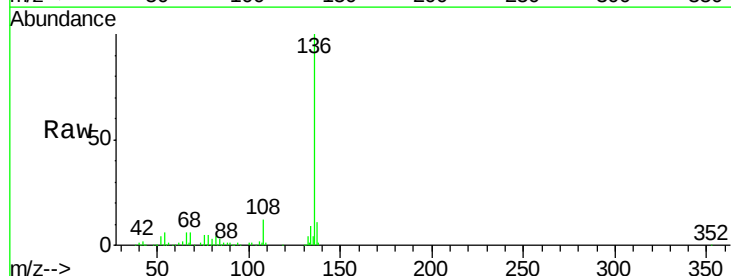
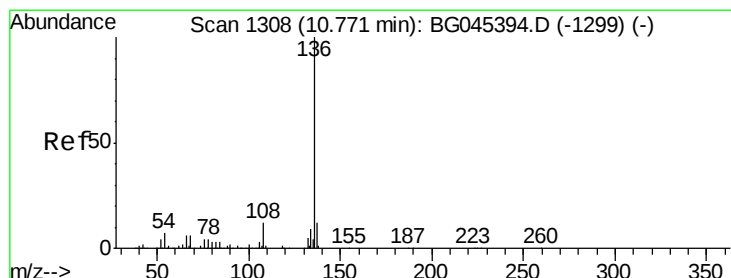
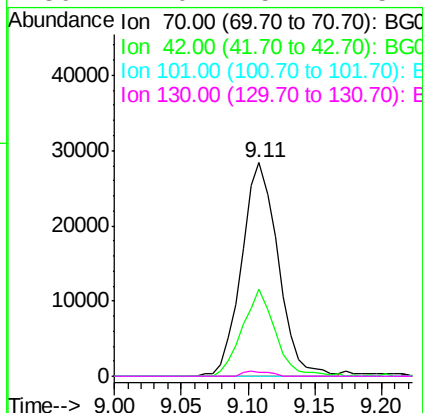




#19
n-Nitroso-di-n-propylamine
Concen: 17.651 ng
RT: 9.11 min Scan# 1025
Delta R.T. 0.35 min
Lab File: BG045674.D
Acq: 10 Jun 2020 00:34

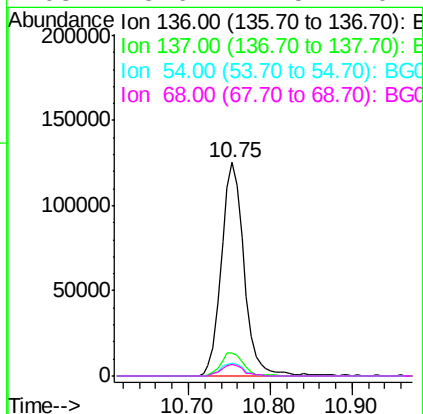
Instrument :
BNA_G
ClientSampleId :
PB129440BL

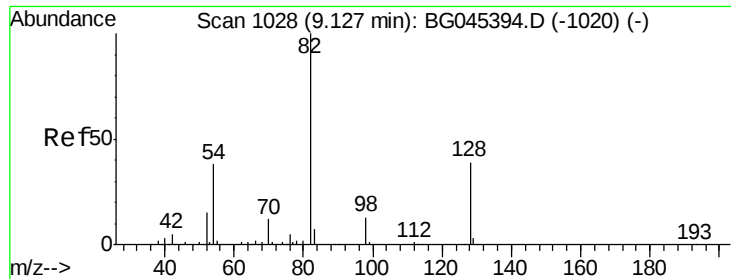
Tot Ion:	70	Resp:	53611
Ion	Ratio	Lower	Upper
70	100		
42	40.7	33.2	49.8
101	0.0	7.8	11.6#
130	2.0	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045674.D
Acq: 10 Jun 2020 00:34

Tgt Ion:	136	Resp:	241631
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.4	14.2
54	5.9	5.8	8.6
68	5.6	4.5	6.7

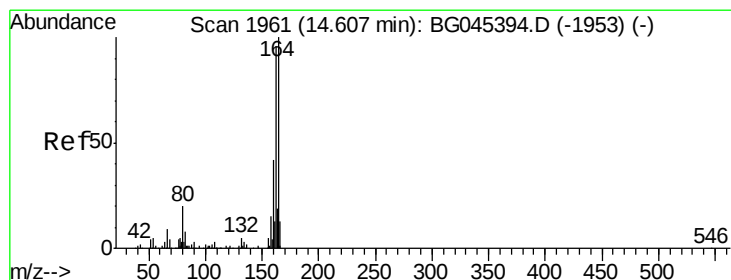
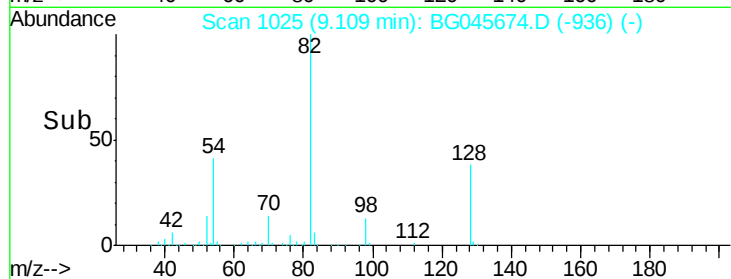
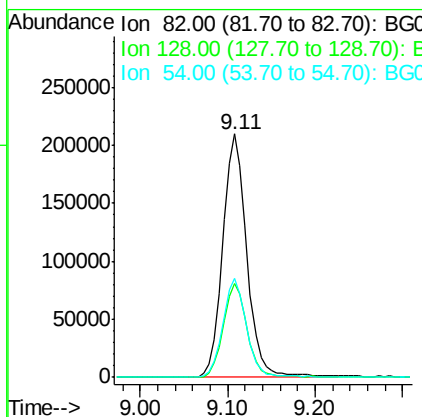
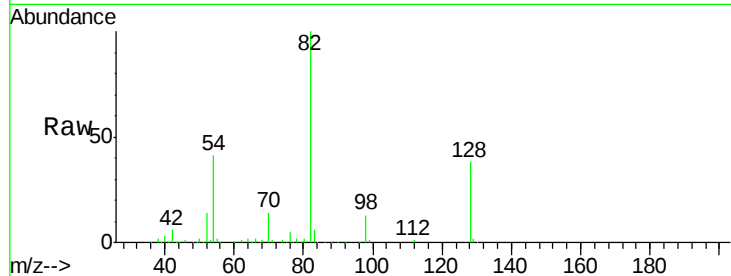




#23
Nitrobenzene-d5
Concen: 89.708 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG045674.D
Acq: 10 Jun 2020 00:34

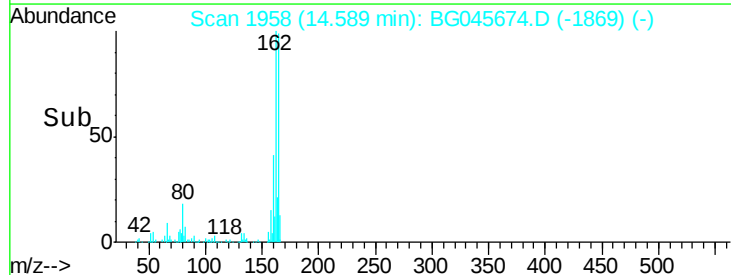
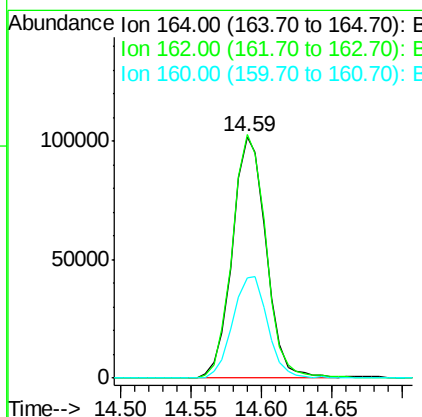
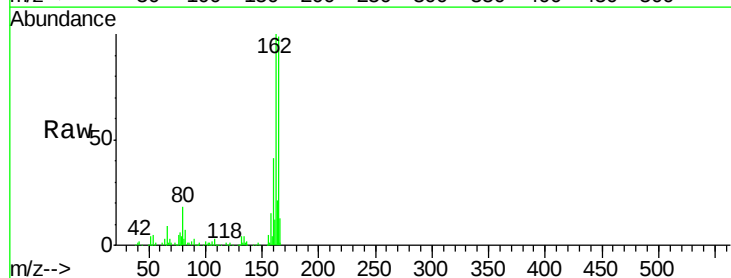
Instrument :
BNA_G
ClientSampleId :
PB129440BL

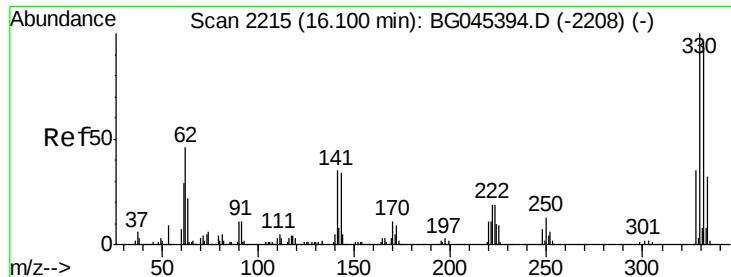
Tot Ion	82	Resp	397501
Ion Ratio	Lower	Upper	
82	100		
128	38.3	30.9	46.3
54	40.6	30.3	45.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG045674.D
Acq: 10 Jun 2020 00:34

Tgt Ion	164	Resp	169623
Ion Ratio	Lower	Upper	
164	100		
162	100.9	76.9	115.3
160	41.4	33.8	50.8

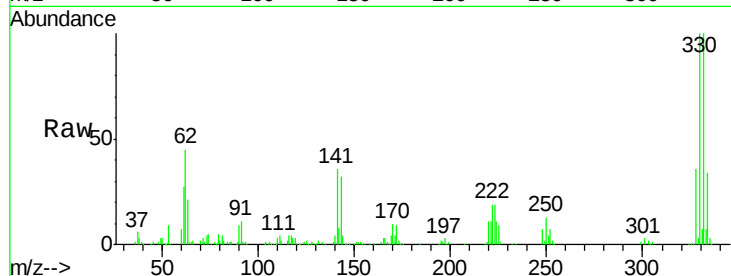




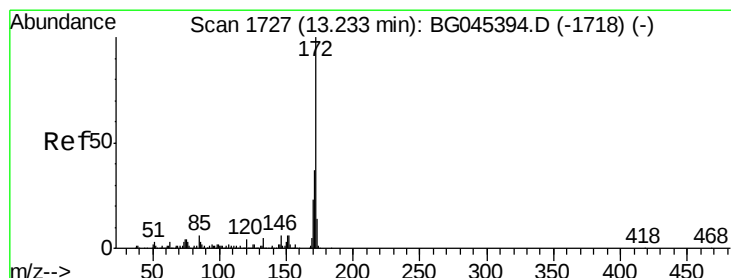
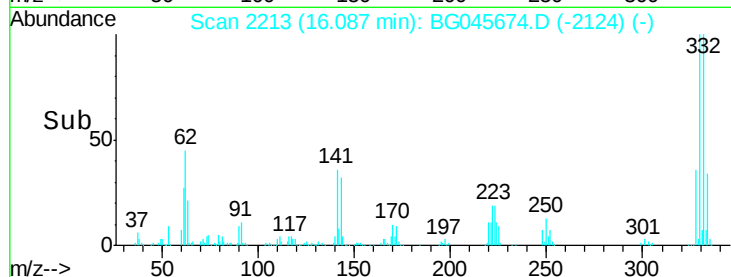
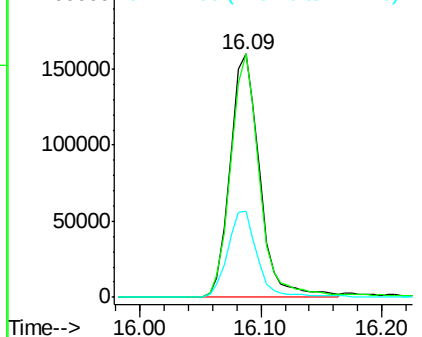
#42
 2,4,6-Tribromophenol
 Concen: 125.940 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: BG045674.D
 Acq: 10 Jun 2020 00:34

Instrument :
 BNA_G
 ClientSampleId :
 PB129440BL

Tot Ion:330 Resp: 273200
 Ion Ratio Lower Upper
 330 100
 332 99.5 78.2 117.4
 141 35.9 28.2 42.4

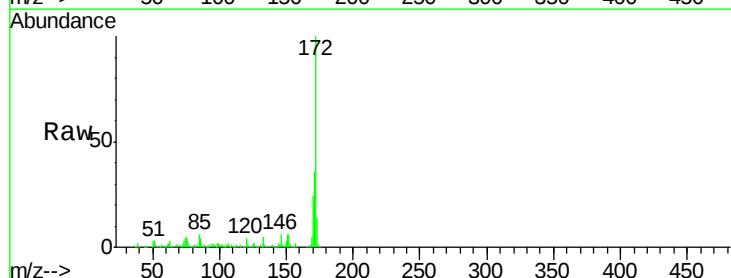


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

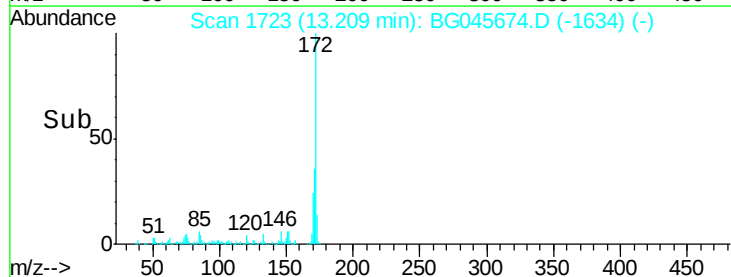
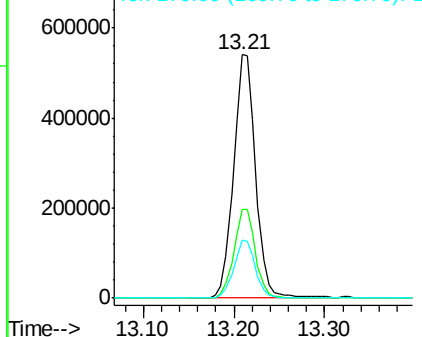


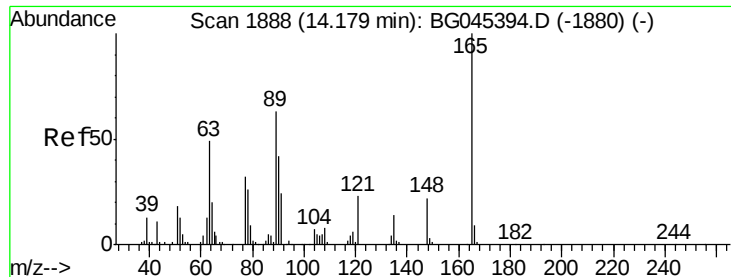
#45
 2-Fluorobiphenyl
 Concen: 91.888 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG045674.D
 Acq: 10 Jun 2020 00:34

Tgt Ion:172 Resp: 918897
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.5 44.3
 170 23.6 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: 8.601 ng

RT: 14.59 min Scan# 1958

Delta R.T. 0.42 min

Lab File: BG045674.D

Acq: 10 Jun 2020 00:34

Instrument :

BNA_G

ClientSampleId :

PB129440BL

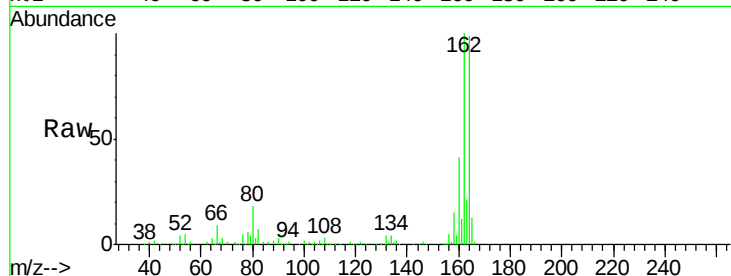
Tot Ion:165 Resp: 22583

Ion Ratio Lower Upper

165 100

63 0.0 45.0 67.4#

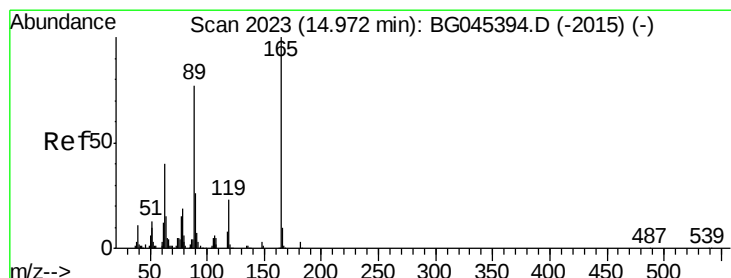
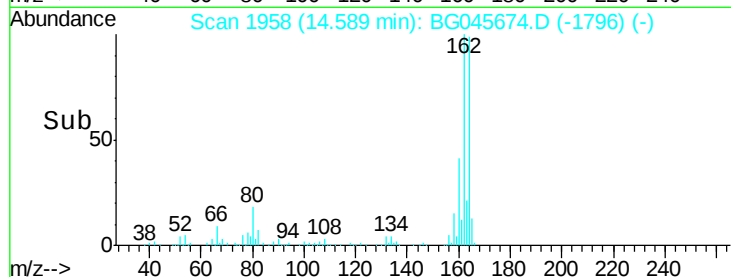
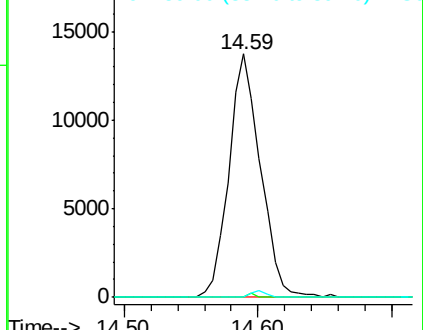
89 0.0 50.2 75.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 5.939 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.37 min

Lab File: BG045674.D

Acq: 10 Jun 2020 00:34

Tgt Ion:165 Resp: 22585

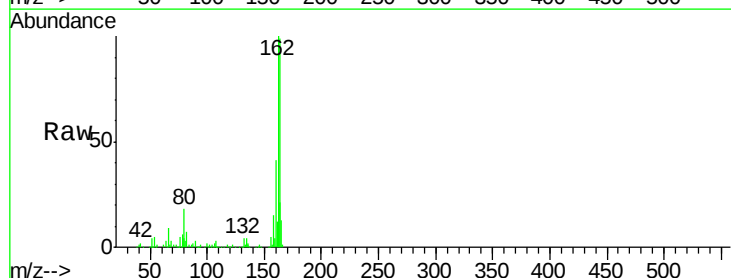
Ion Ratio Lower Upper

165 100

63 0.0 32.5 48.7#

89 0.0 61.8 92.6#

182 0.0 2.3 3.5#

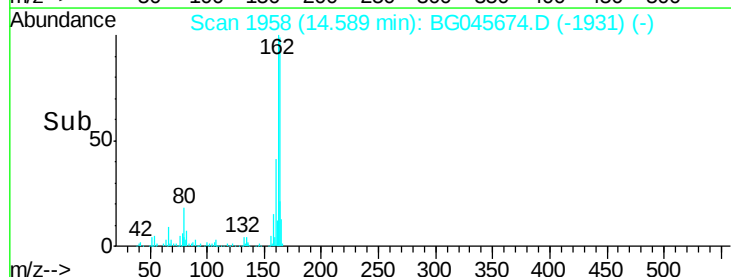
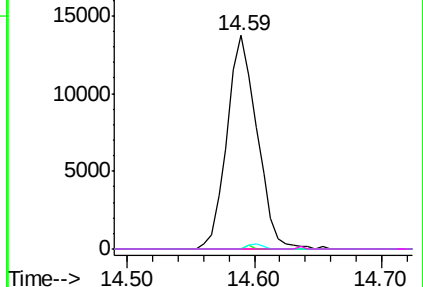


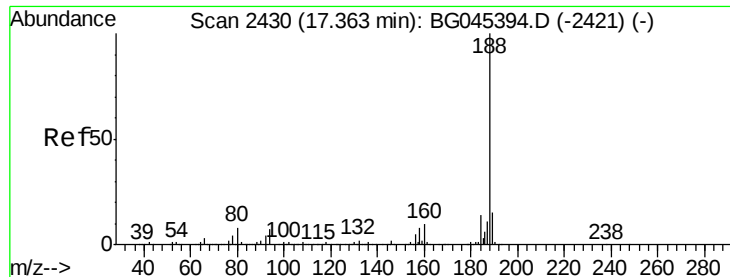
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG045674.D

Acq: 10 Jun 2020 00:34

Instrument :

BNA_G

ClientSampleId :

PB129440BL

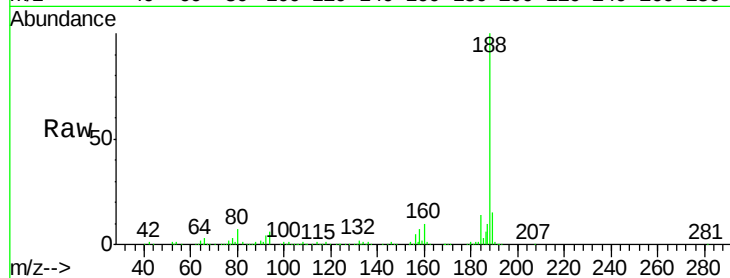
Tot Ion:188 Resp: 392811

Ion Ratio Lower Upper

188 100

94 6.3 5.5 8.3

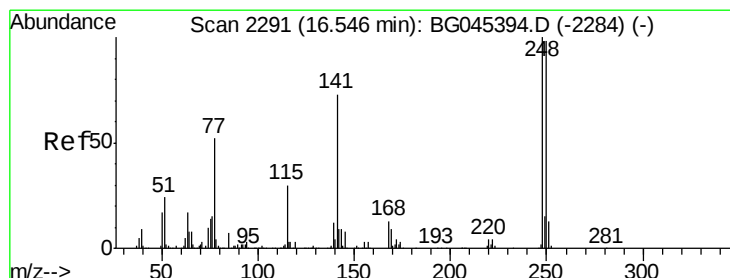
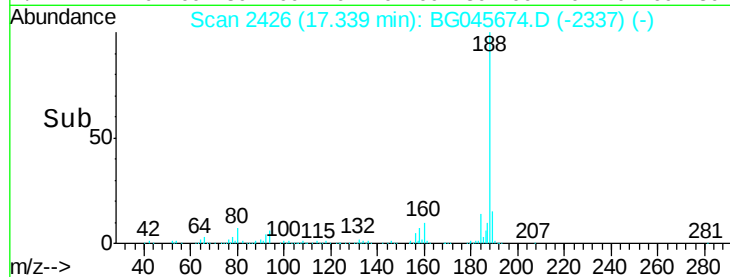
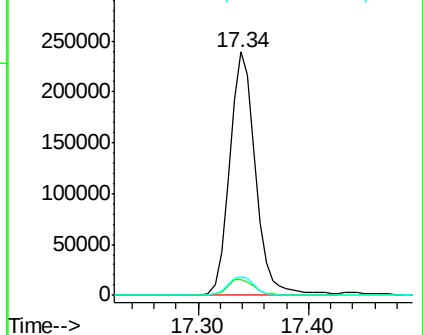
80 7.5 6.6 10.0



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: 4.402 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.45 min

Lab File: BG045674.D

Acq: 10 Jun 2020 00:34

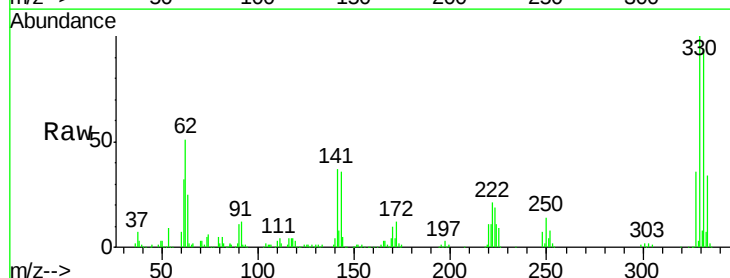
Tgt Ion:248 Resp: 18723

Ion Ratio Lower Upper

248 100

250 198.7 78.6 117.8#

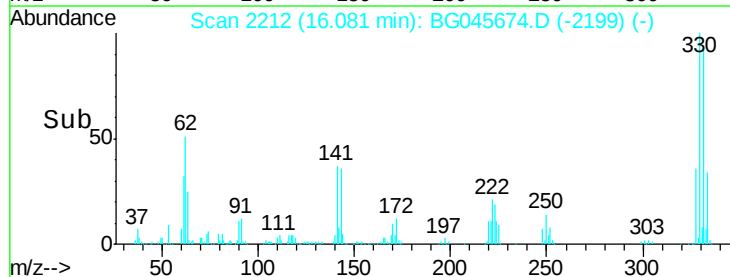
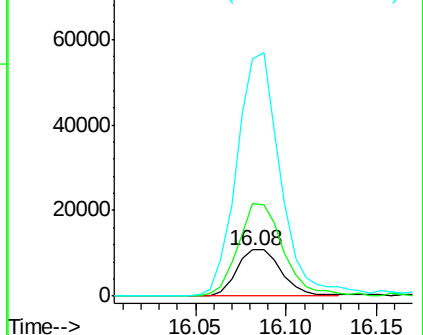
141 512.8 58.2 87.2#

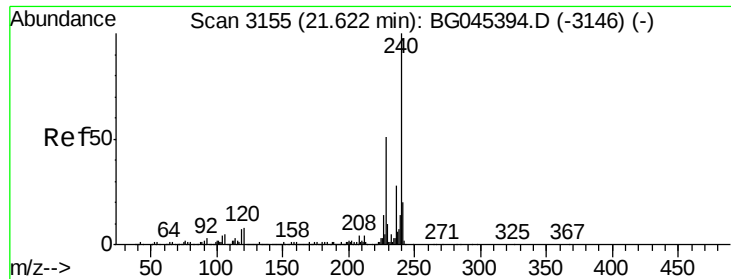


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

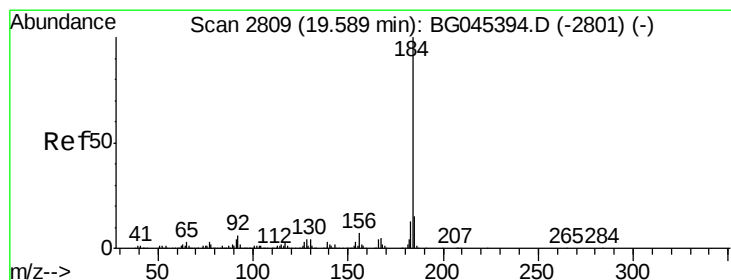
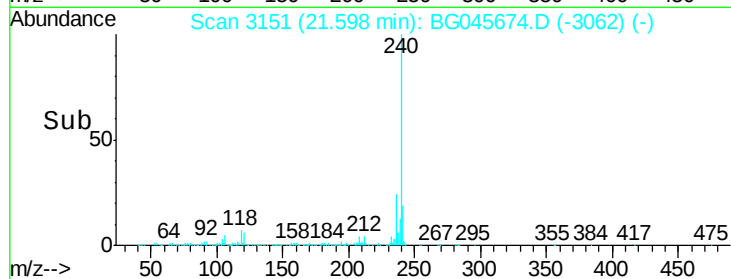
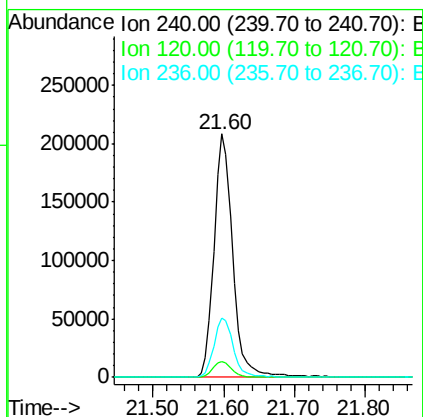
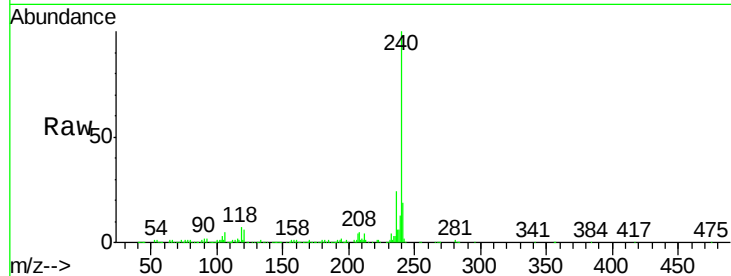




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.60 min Scan# 3151
 Delta R.T. -0.01 min
 Lab File: BG045674.D
 Acq: 10 Jun 2020 00:34

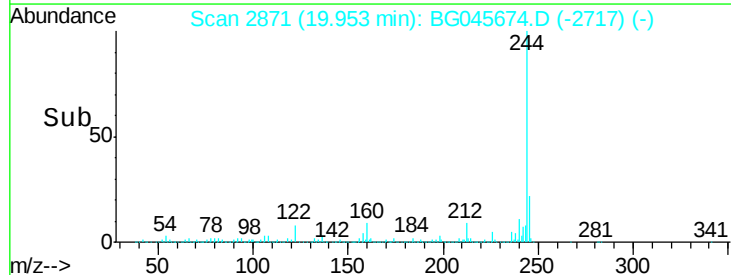
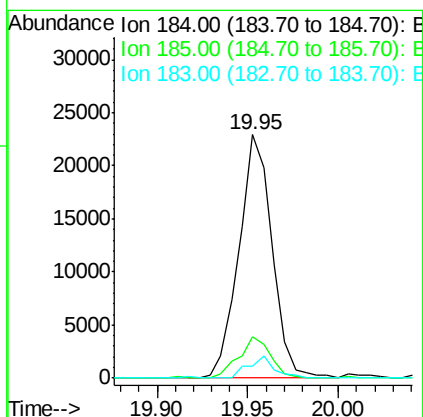
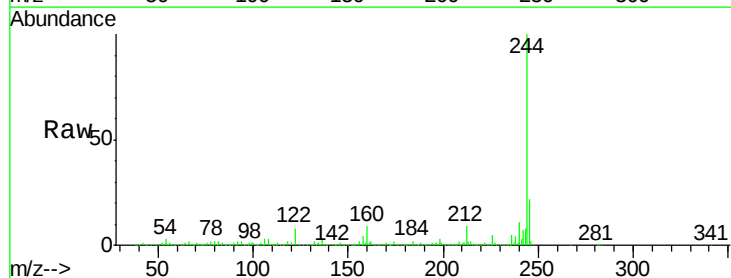
Instrument :
 BNA_G
 ClientSampleId :
 PB129440BL

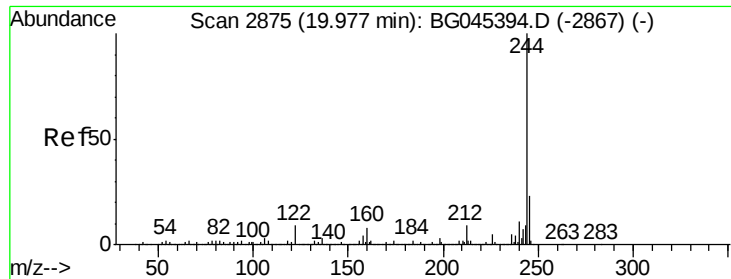
Tot Ion:240 Resp: 385414
 Ion Ratio Lower Upper
 240 100
 120 6.4 6.1 9.1
 236 24.1 22.3 33.5



#77
 Benzidine
 Concen: 2.694 ng
 RT: 19.95 min Scan# 2871
 Delta R.T. 0.38 min
 Lab File: BG045674.D
 Acq: 10 Jun 2020 00:34

Tgt Ion:184 Resp: 29163
 Ion Ratio Lower Upper
 184 100
 185 17.1 11.7 17.5
 183 4.9 10.2 15.4#





#79

Terphenyl-d14

Concen: 92.956 ng

RT: 19.95 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BG045674.D

Acq: 10 Jun 2020 00:34

Instrument :

BNA_G

ClientSampleId :

PB129440BL

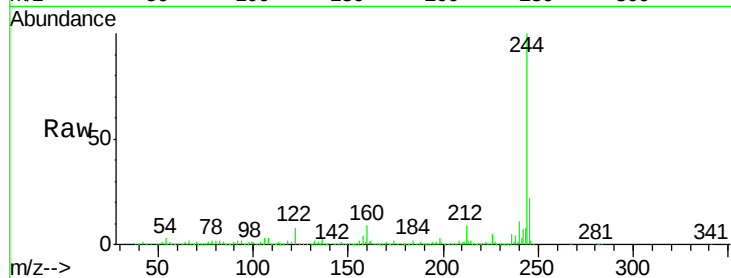
Tot Ion:244 Resp: 1536102

Ion Ratio Lower Upper

244 100

212 9.2 7.4 11.0

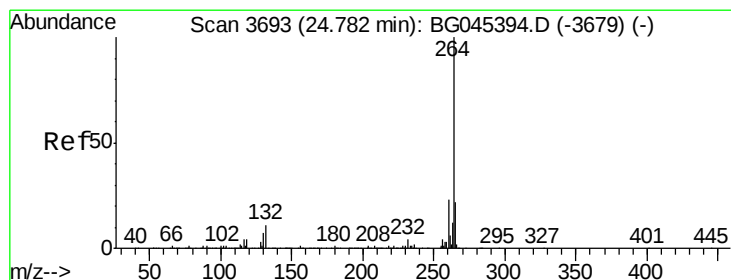
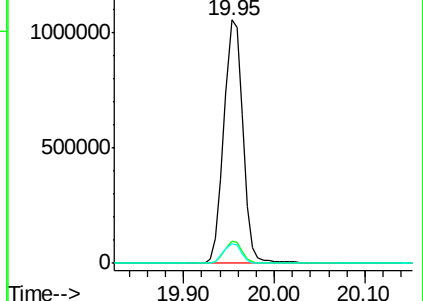
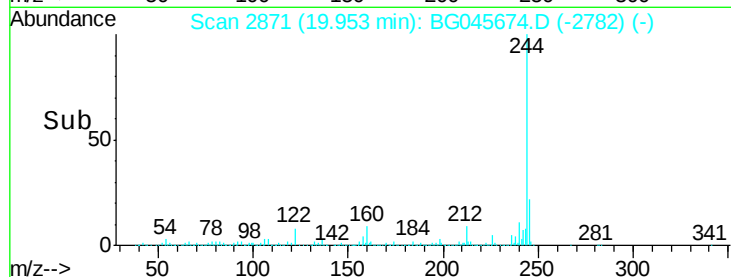
122 8.3 6.8 10.2



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: 24.74 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG045674.D

Acq: 10 Jun 2020 00:34

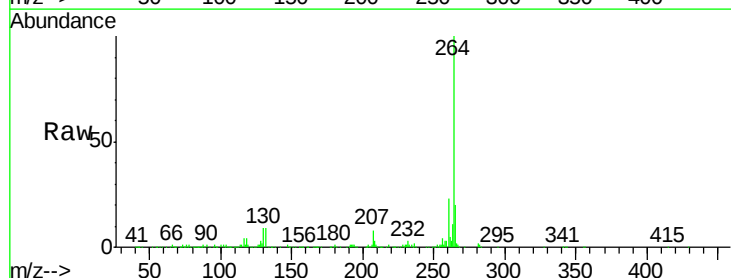
Tgt Ion:264 Resp: 392096

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

265 20.2 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

