

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060420\
 Data File : BG045606.D
 Acq On : 4 Jun 2020 15:34
 Operator : CG/JU
 Sample : PB129295BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129295BL

Quant Time: Jun 04 17:21:53 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

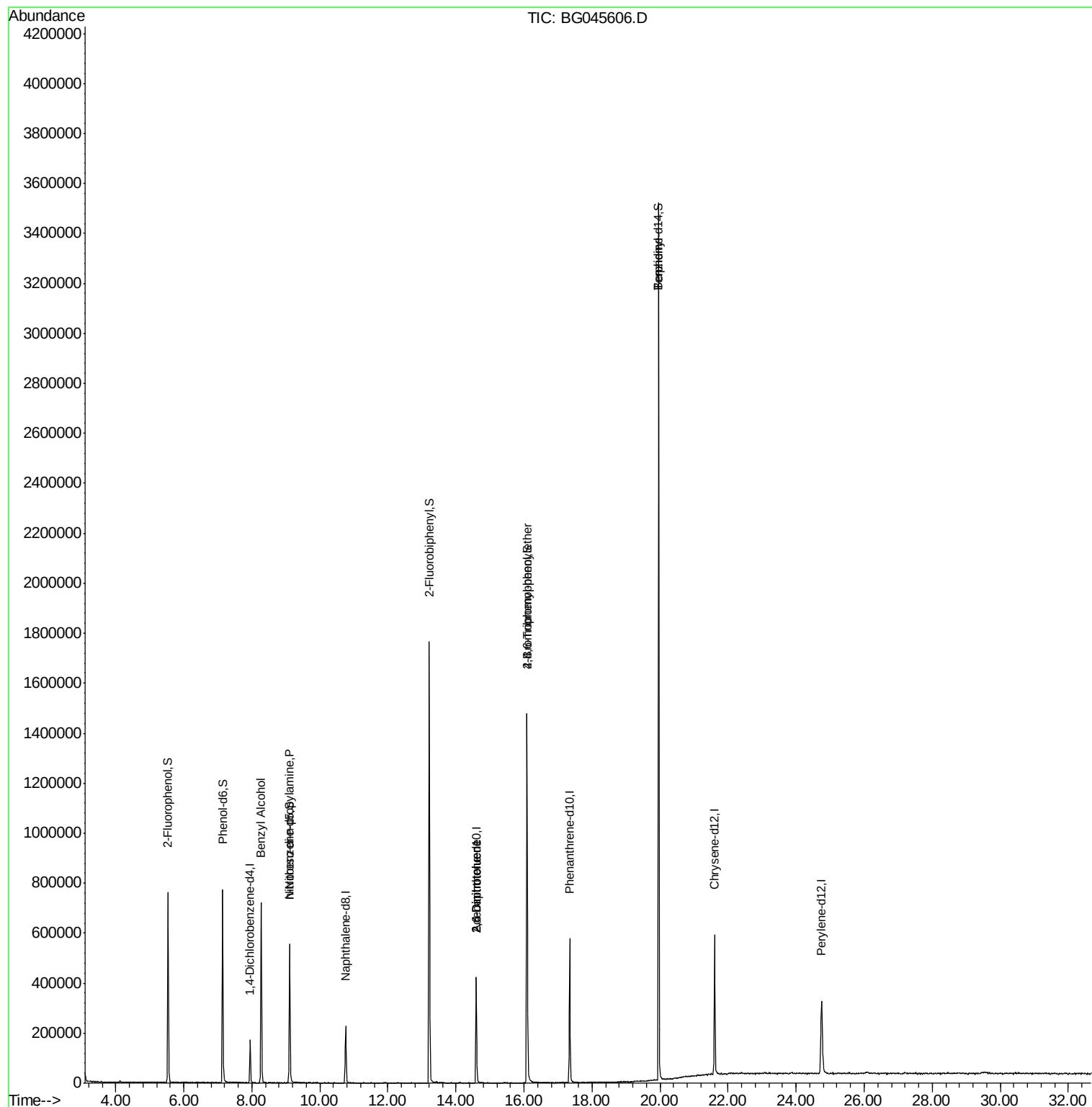
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	49142	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	208951	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	162964	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	405745	20.00	ng	0.00
76) Chrysene-d12	21.60	240	376523	20.00	ng	0.00
87) Perylene-d12	24.74	264	386937	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	366537	145.77	ng	0.00
7) Phenol-d6	7.14	99	521037	145.58	ng	0.00
23) Nitrobenzene-d5	9.11	82	394761	103.02	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	327772	157.27	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1000042	104.09	ng	0.00
79) Terphenyl-d14	19.96	244	1787012	110.69	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.28	79	6439	2.178	ng	# 55
19) n-Nitroso-di-n-propylamine	9.11	70	53870	21.766	ng	# 78
51) 2,6-Dinitrotoluene	14.60	165	22349	8.860	ng	# 22
57) 2,4-Dinitrotoluene	14.60	165	22350	6.118	ng	# 22
67) 4-Bromophenyl-phenylether	16.09	248	22096	5.029	ng	# 1
77) Benzidine	19.96	184	32949	3.116	ng	# 93

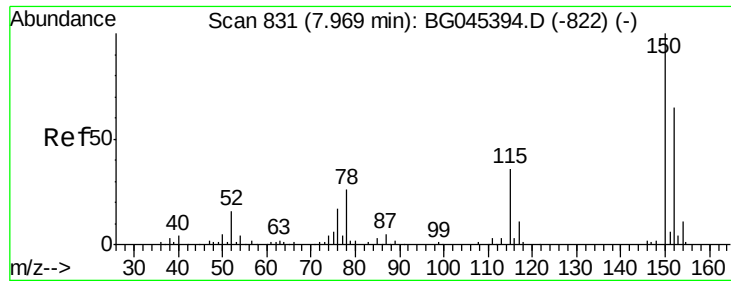
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



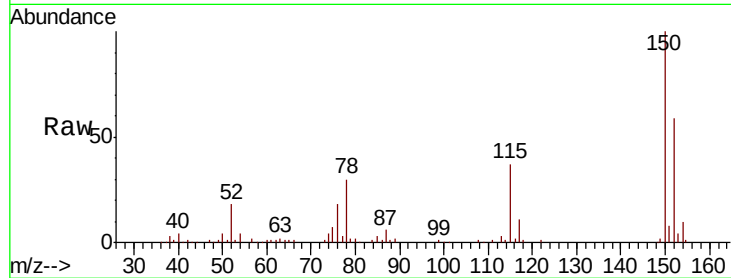


#1

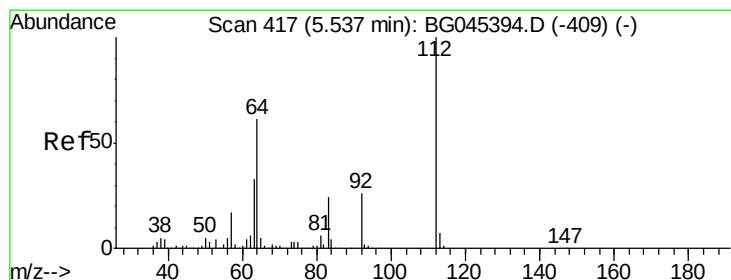
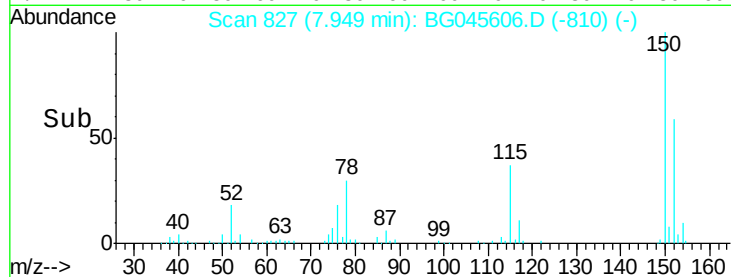
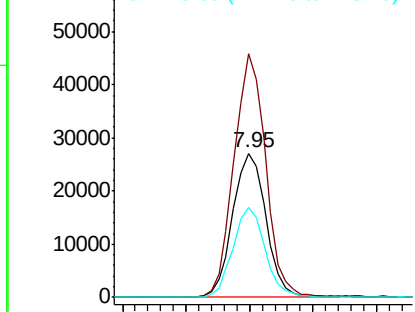
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG045606.D
Acq: 4 Jun 2020 15:34

Instrument :
BNA_G
ClientSampleId :
PB129295BL

Tot Ion:152 Resp: 49142
Ion Ratio Lower Upper
152 100
150 169.4 122.4 183.6
115 62.2 44.2 66.4



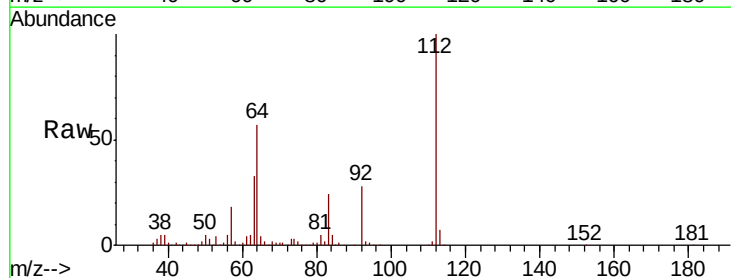
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



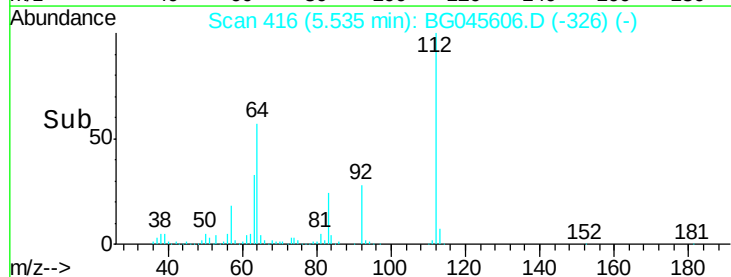
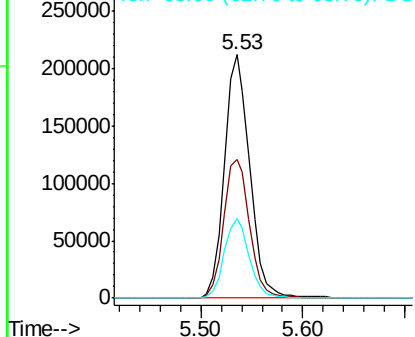
#5

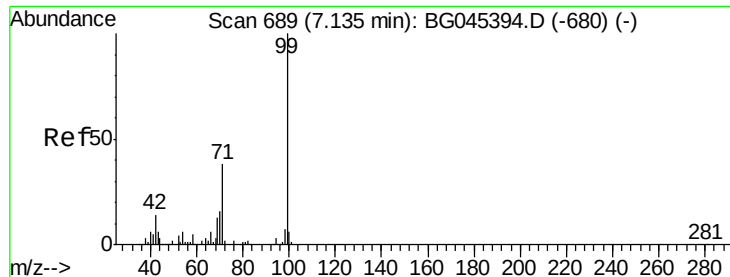
2-Fluorophenol
Concen: 145.766 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG045606.D
Acq: 4 Jun 2020 15:34

Tgt Ion:112 Resp: 366537
Ion Ratio Lower Upper
112 100
64 57.0 48.6 72.8
63 32.9 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: 145.583 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045606.D

Acq: 4 Jun 2020 15:34

Instrument :

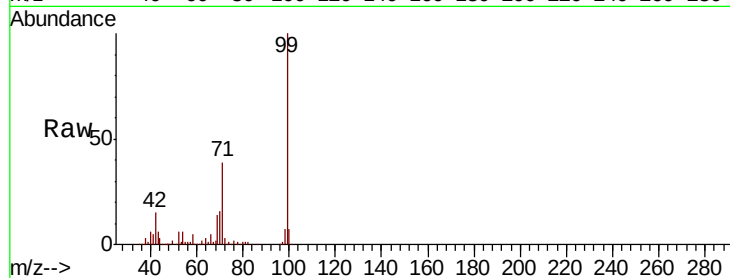
BNA_G

ClientSampleId :

PB129295BL

Tot Ion: 99 Resp: 521037

Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.3	16.9
71	39.1	30.8	46.2

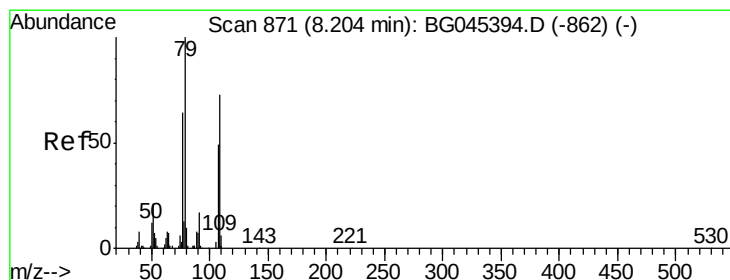
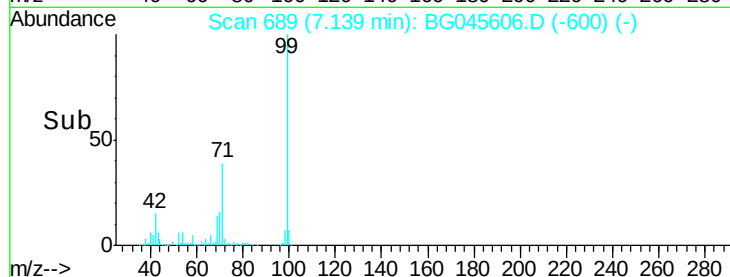
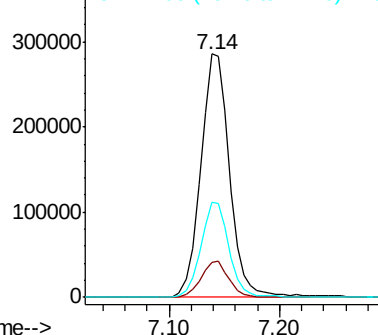


Abundance

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: 2.178 ng

RT: 8.28 min Scan# 883

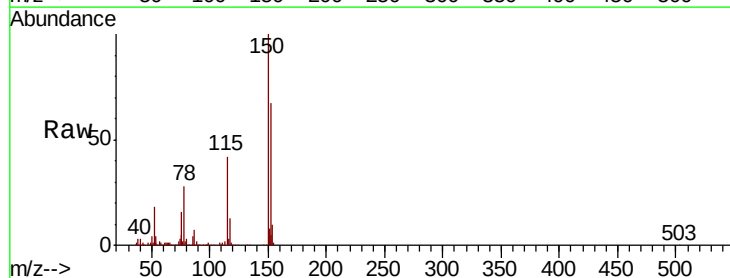
Delta R.T. 0.08 min

Lab File: BG045606.D

Acq: 4 Jun 2020 15:34

Tgt Ion: 79 Resp: 6439

Ion	Ratio	Lower	Upper
79	100		
108	33.5	58.2	87.4#
77	96.4	51.0	76.4#

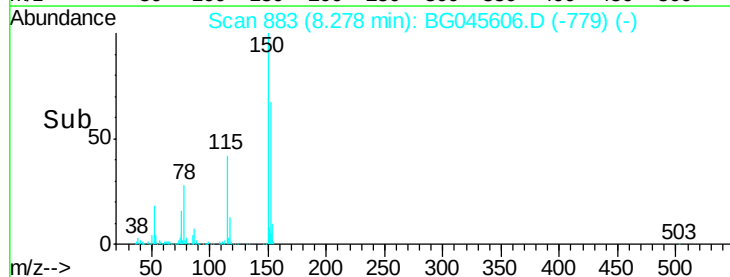
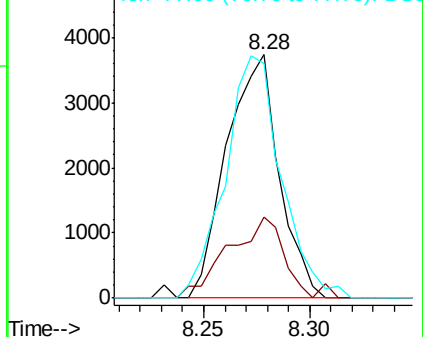


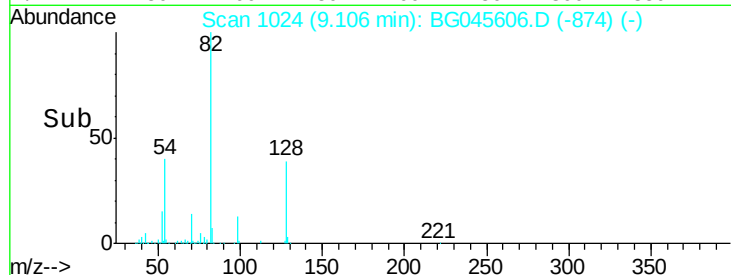
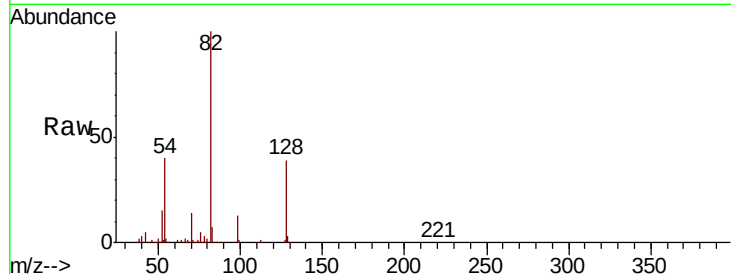
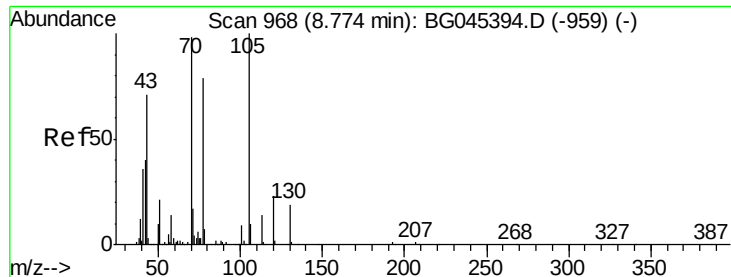
Abundance

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

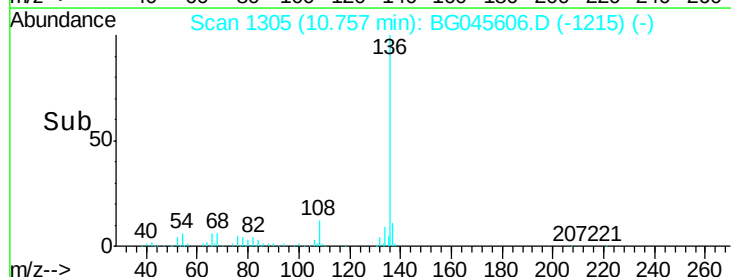
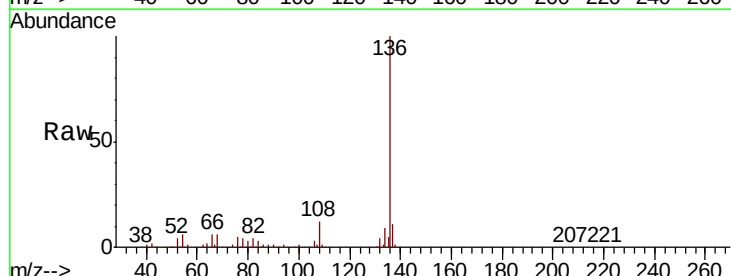
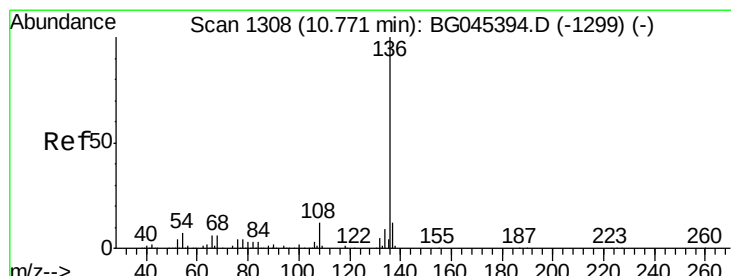
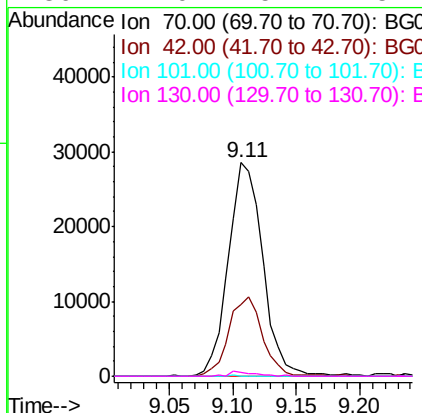




#19
n-Nitroso-di-n-propylamine
Concen: 21.766 ng
RT: 9.11 min Scan# 1024
Delta R.T. 0.35 min
Lab File: BG045606.D
Acq: 4 Jun 2020 15:34

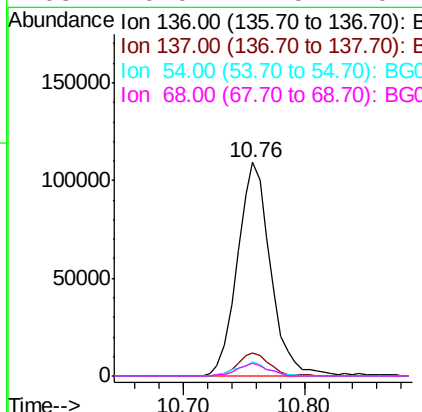
Instrument :
BNA_G
ClientSampleId :
PB129295BL

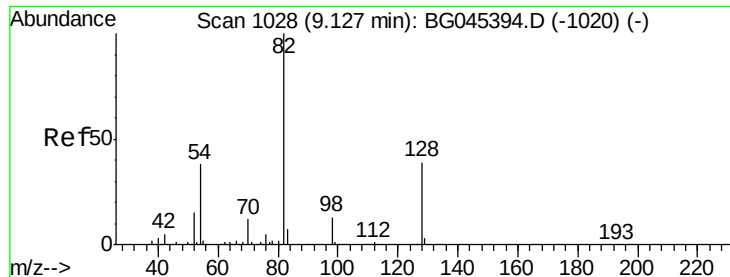
Tot Ion: 70 Resp: 53870
Ion Ratio Lower Upper
70 100
42 33.3 33.2 49.8
101 0.0 7.8 11.6#
130 2.0 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BG045606.D
Acq: 4 Jun 2020 15:34

Tgt Ion: 136 Resp: 208951
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.2
54 6.5 5.8 8.6
68 6.0 4.5 6.7

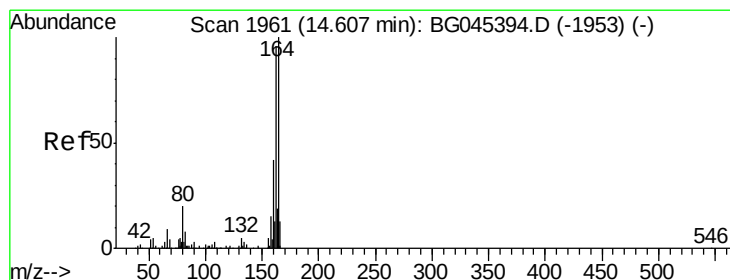
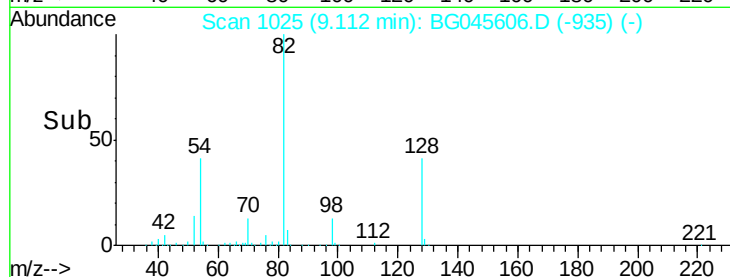
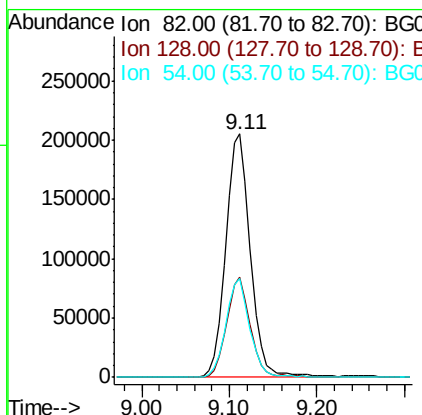
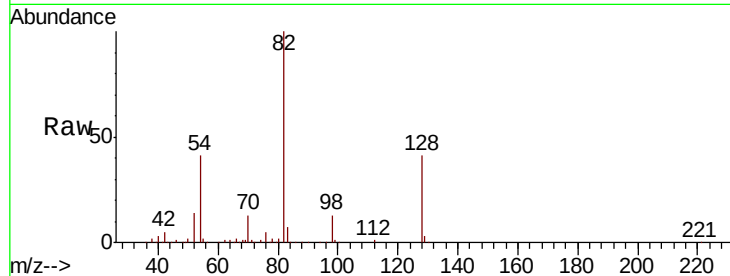




#23
 Nitrobenzene-d5
 Concen: 103.024 ng
 RT: 9.11 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BG045606.D
 Acq: 4 Jun 2020 15:34

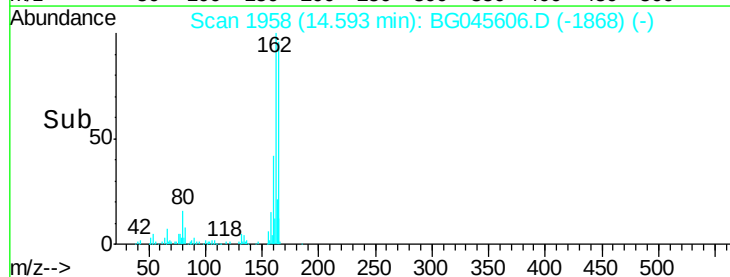
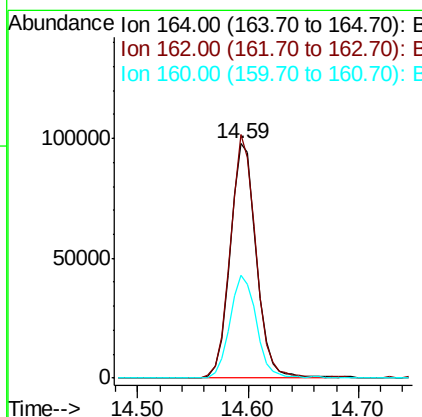
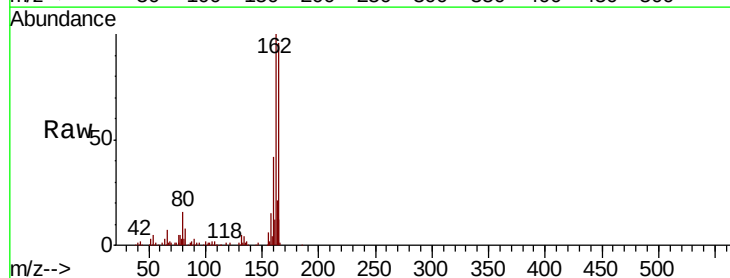
Instrument :
 BNA_G
 ClientSampleId :
 PB129295BL

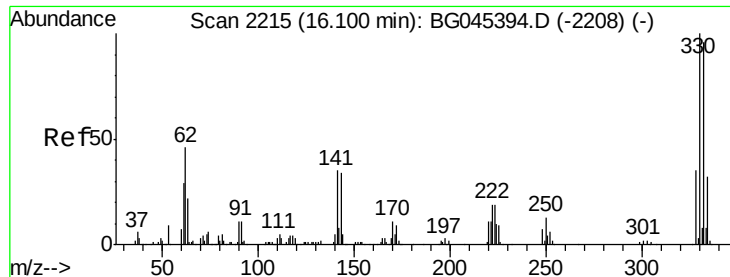
Tot Ion	82	Resp	394761
Ion Ratio	Lower	Upper	
82	100		
128	41.2	30.9	46.3
54	40.8	30.3	45.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: BG045606.D
 Acq: 4 Jun 2020 15:34

Tgt Ion	164	Resp	162964
Ion Ratio	Lower	Upper	
164	100		
162	104.0	76.9	115.3
160	44.2	33.8	50.8





#42

2,4,6-Tribromophenol

Concen: 157.271 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG045606.D

Acq: 4 Jun 2020 15:34

Instrument :

BNA_G

ClientSampleId :

PB129295BL

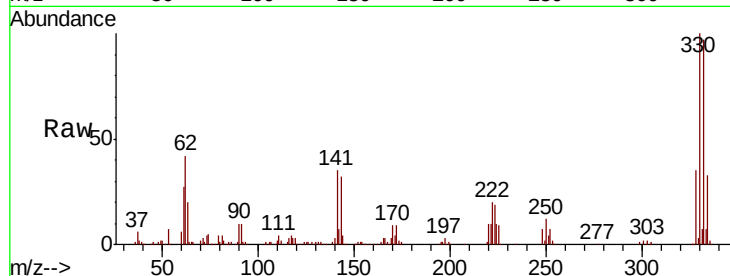
Tot Ion:330 Resp: 327772

Ion Ratio Lower Upper

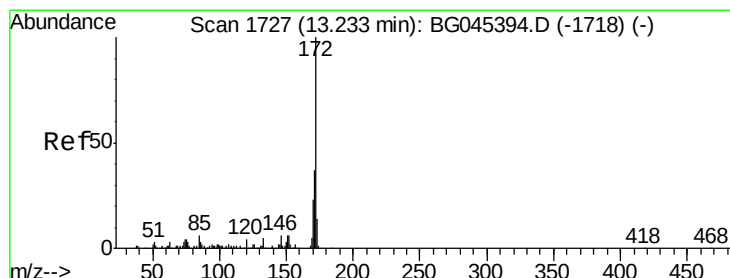
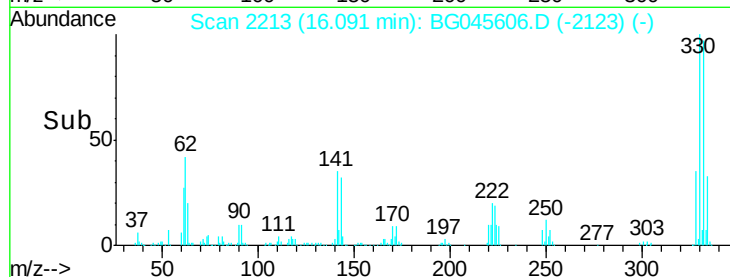
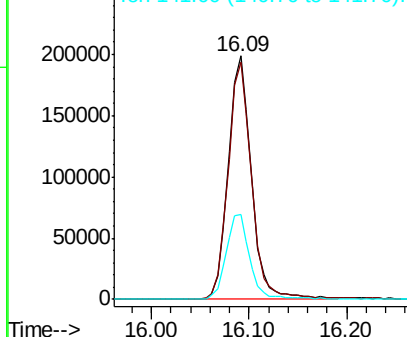
330 100

332 99.0 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: 104.089 ng

RT: 13.22 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BG045606.D

Acq: 4 Jun 2020 15:34

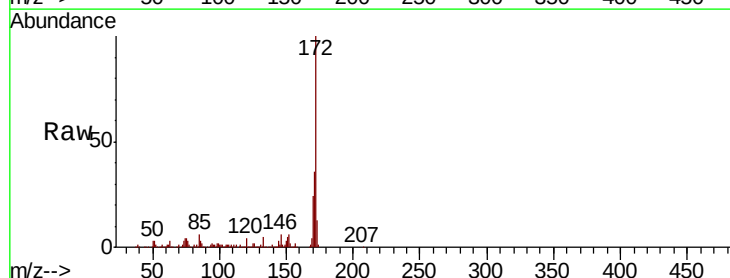
Tgt Ion:172 Resp: 1000042

Ion Ratio Lower Upper

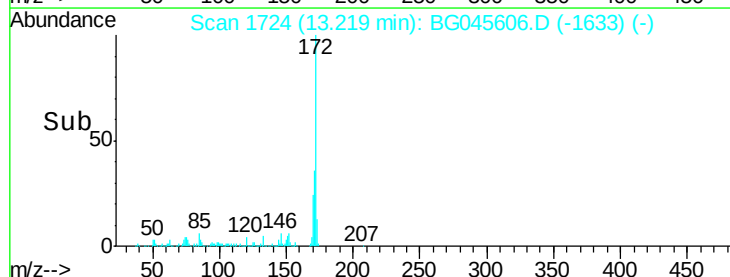
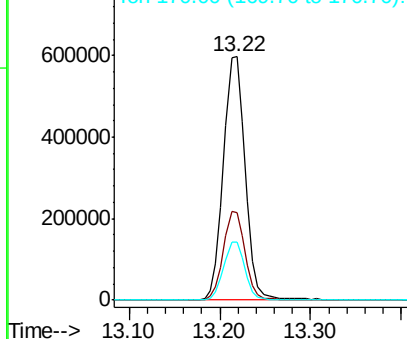
172 100

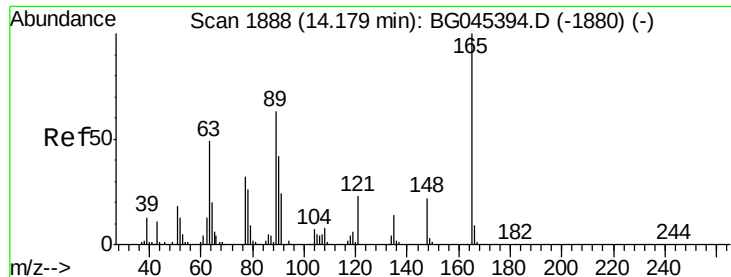
171 35.7 29.5 44.3

170 23.9 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

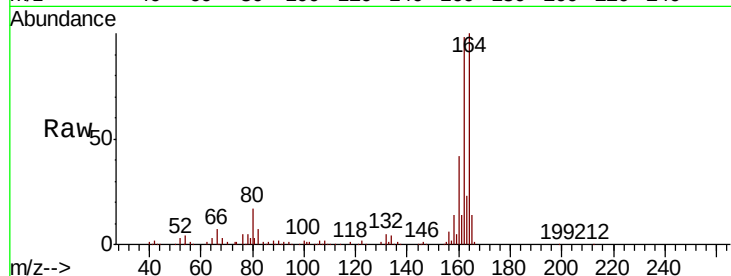




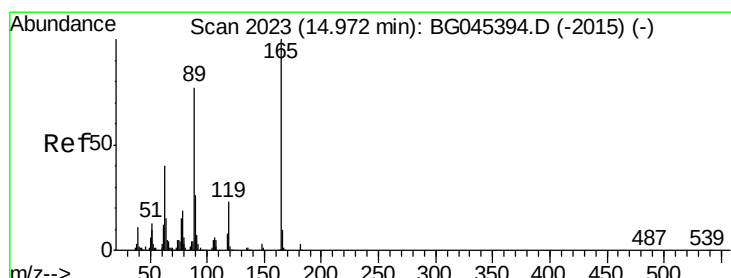
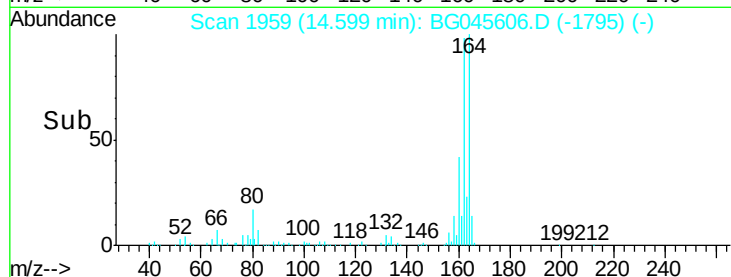
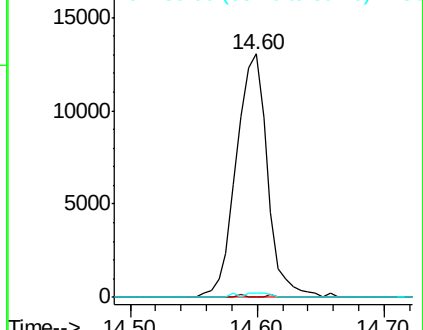
#51
 2,6-Dinitrotoluene
 Concen: 8.860 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. 0.43 min
 Lab File: BG045606.D
 Acq: 4 Jun 2020 15:34

Instrument :
 BNA_G
 ClientSampleId :
 PB129295BL

Tot Ion:165 Resp: 22349
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.0 67.4#
 89 1.5 50.2 75.4#

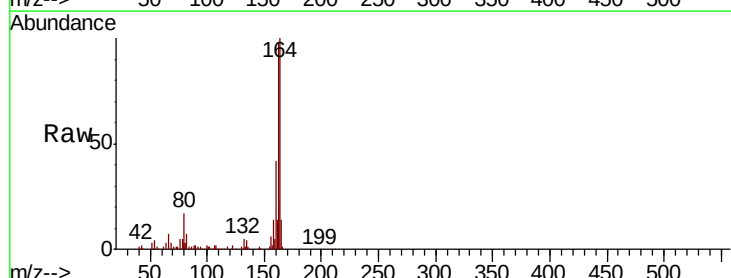


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

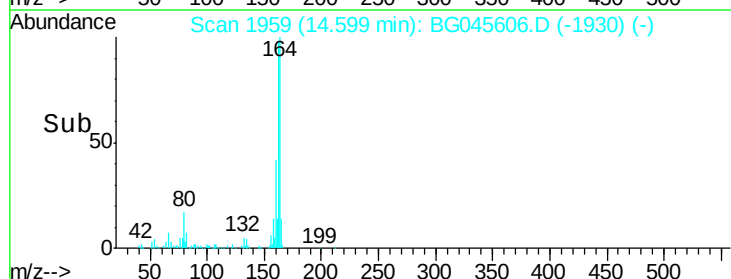
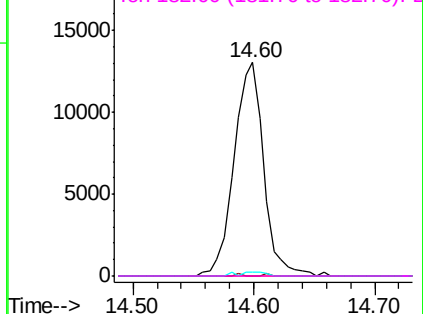


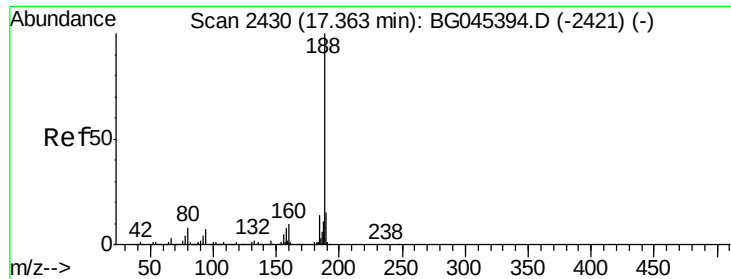
#57
 2,4-Dinitrotoluene
 Concen: 6.118 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. -0.36 min
 Lab File: BG045606.D
 Acq: 4 Jun 2020 15:34

Tgt Ion:165 Resp: 22350
 Ion Ratio Lower Upper
 165 100
 63 0.0 32.5 48.7#
 89 1.5 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: BG045606.D

Acq: 4 Jun 2020 15:34

Instrument :

BNA_G

ClientSampleId :

PB129295BL

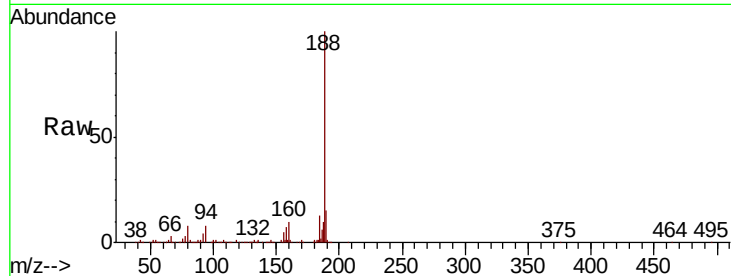
Tot Ion:188 Resp: 405745

Ion Ratio Lower Upper

188 100

94 7.7 5.5 8.3

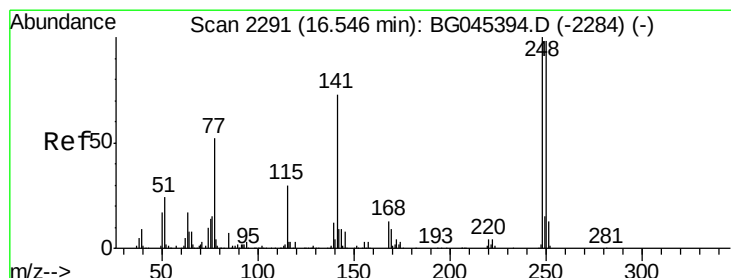
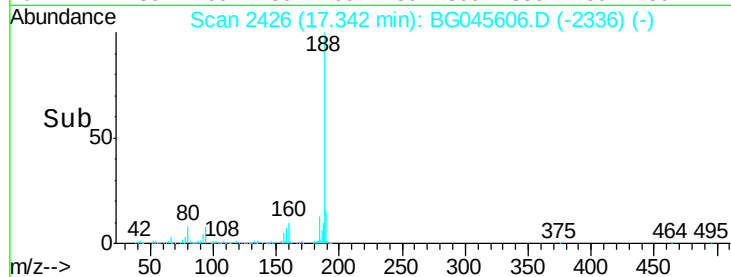
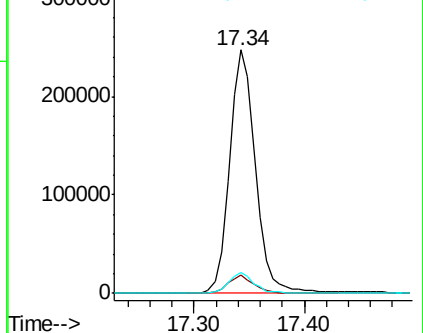
80 8.3 6.6 10.0



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: 5.029 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.44 min

Lab File: BG045606.D

Acq: 4 Jun 2020 15:34

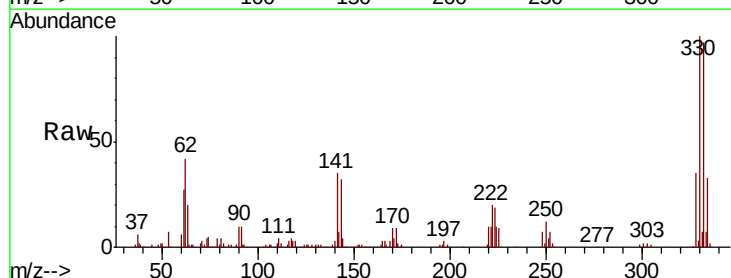
Tgt Ion:248 Resp: 22096

Ion Ratio Lower Upper

248 100

250 178.2 78.6 117.8#

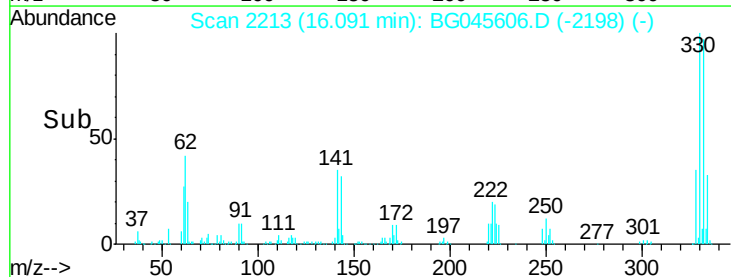
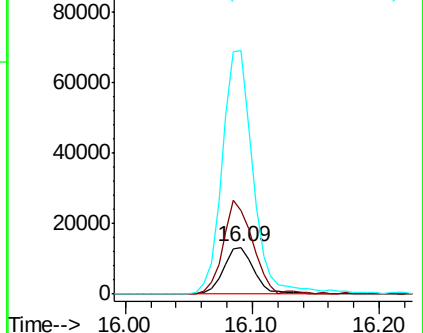
141 519.1 58.2 87.2#

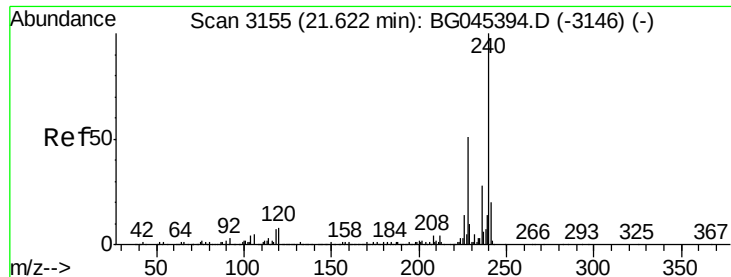


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

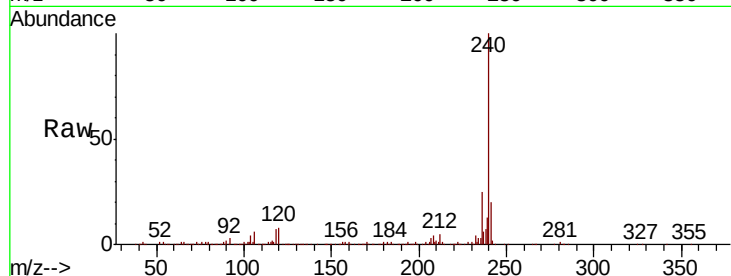




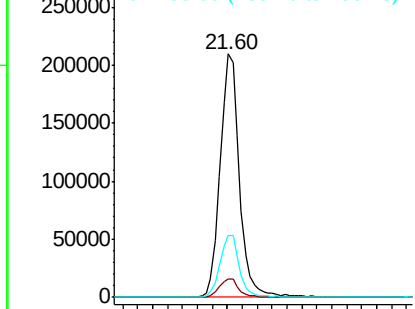
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG045606.D
Acq: 4 Jun 2020 15:34

Instrument :
BNA_G
ClientSampleId :
PB129295BL

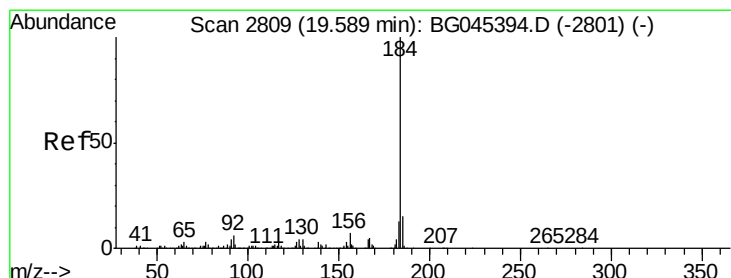
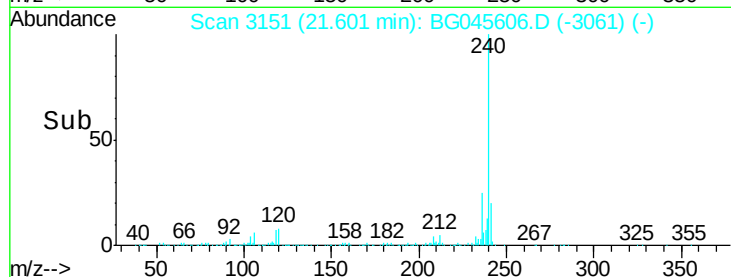
Tot Ion:240 Resp: 376523
Ion Ratio Lower Upper
240 100
120 7.6 6.1 9.1
236 25.4 22.3 33.5



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

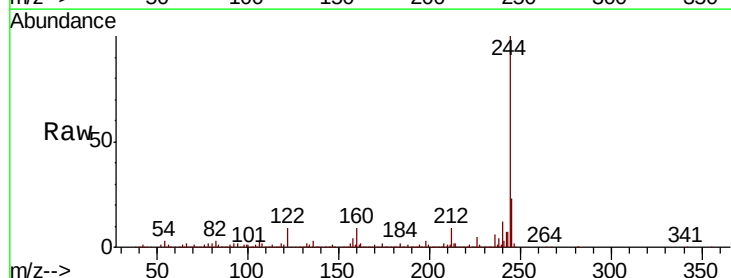


Time-->

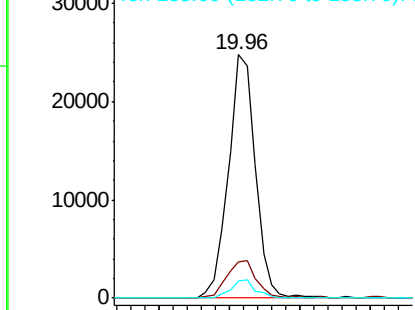


#77
Benzidine
Concen: 3.116 ng
RT: 19.96 min Scan# 2871
Delta R.T. 0.38 min
Lab File: BG045606.D
Acq: 4 Jun 2020 15:34

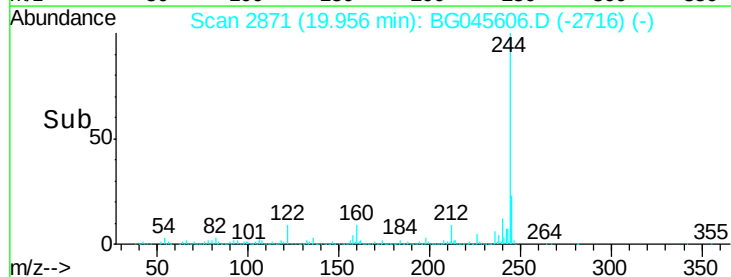
Tgt Ion:184 Resp: 32949
Ion Ratio Lower Upper
184 100
185 15.0 11.7 17.5
183 6.8 10.2 15.4#

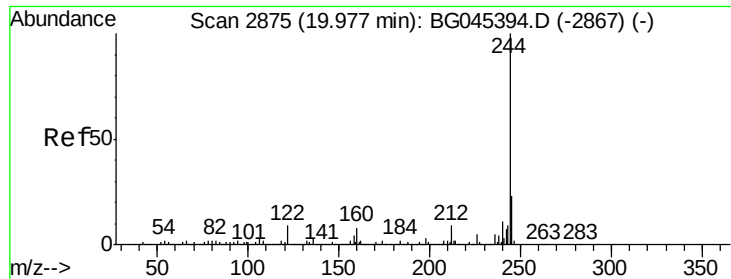


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 110.693 ng

RT: 19.96 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG045606.D

Acq: 4 Jun 2020 15:34

Instrument :

BNA_G

ClientSampleId :

PB129295BL

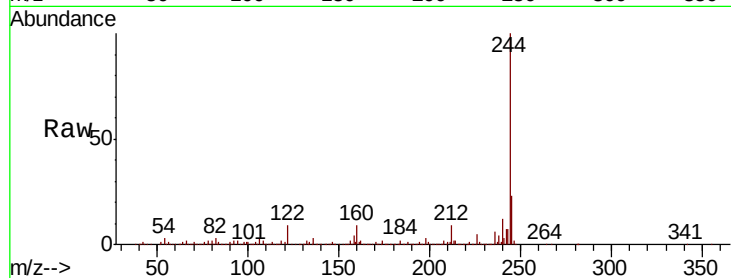
Tot Ion:244 Resp: 1787012

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.0

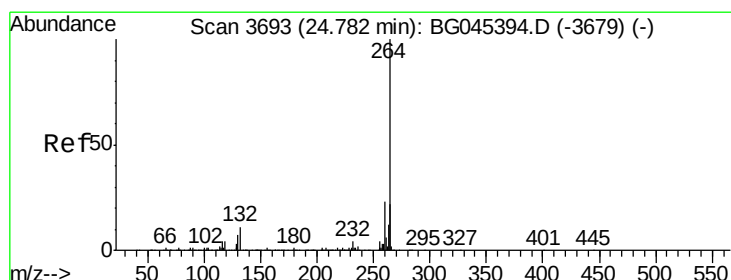
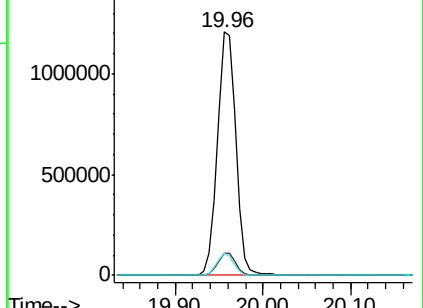
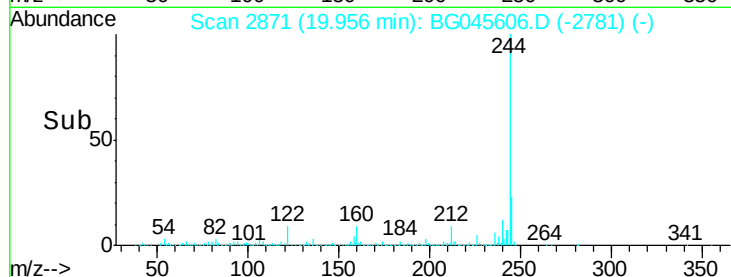
122 9.0 6.8 10.2



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: BG045606.D

Acq: 4 Jun 2020 15:34

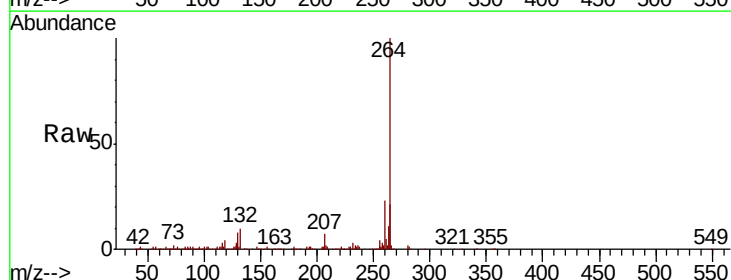
Tgt Ion:264 Resp: 386937

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 20.8 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

