

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
 Data File : BG045290.D
 Acq On : 8 May 2020 4:39
 Operator : CG/JU
 Sample : L2529-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 08 05:17:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 12:51:10 2020
 Response via : Initial Calibration

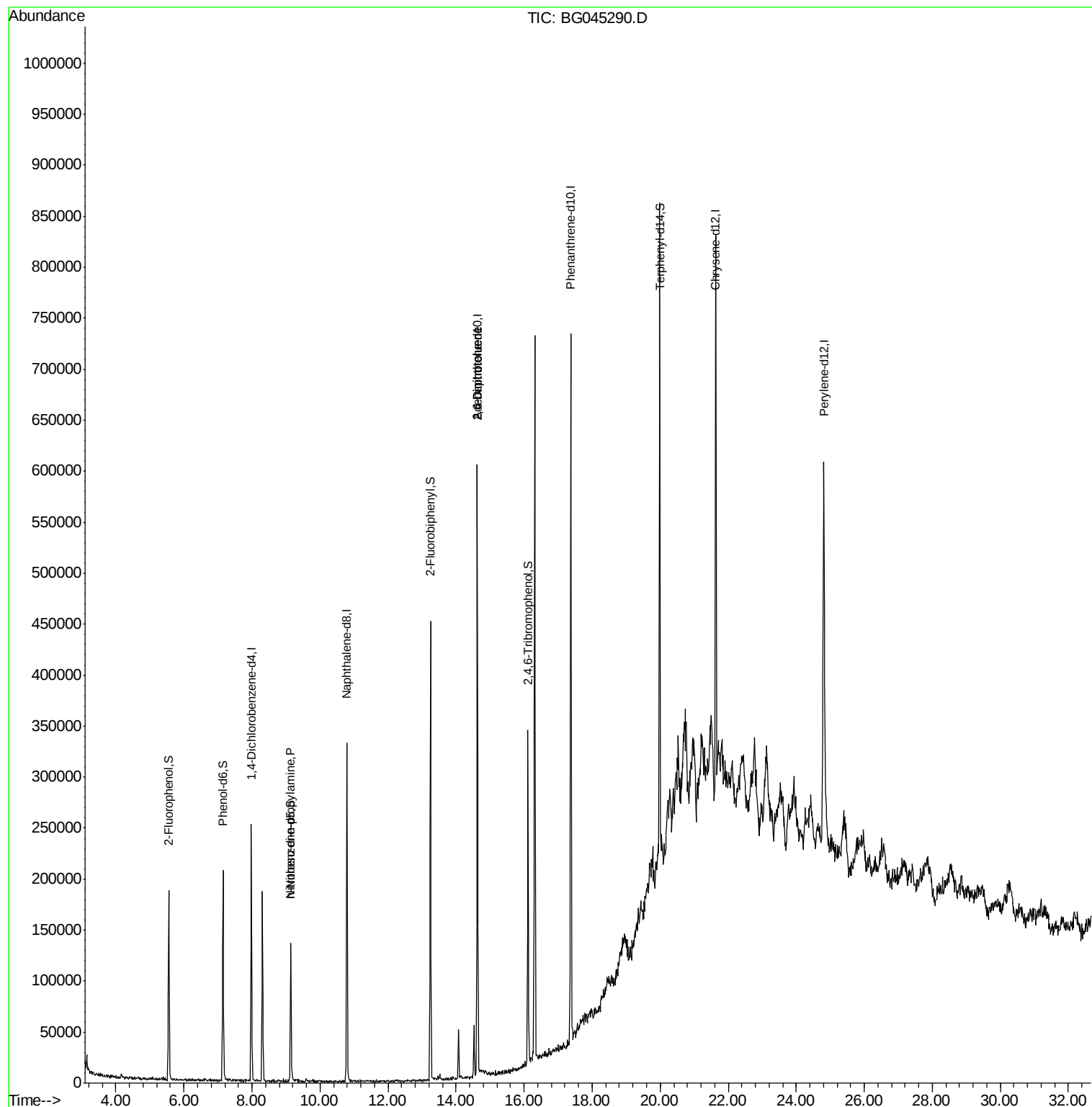
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	73616	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	301054	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	215689	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	445912	20.00	ng	0.00
76) Chrysene-d12	21.63	240	361575	20.00	ng	0.00
87) Perylene-d12	24.81	264	406080	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	94528	21.20	ng	0.00
7) Phenol-d6	7.15	99	141093	21.30	ng	0.00
23) Nitrobenzene-d5	9.14	82	92844	14.07	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	67049	20.12	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	248229	16.88	ng	0.00
79) Terphenyl-d14	19.99	244	328192	19.78	ng	0.00
Target Compounds						
9) Benzaldehyde	7.15	77	130	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	12681	2.707 ng	#	80
51) 2,6-Dinitrotoluene	14.62	165	28471	7.248 ng	#	25
57) 2,4-Dinitrotoluene	14.62	165	28471	4.960 ng	#	23
69) Atrazine	16.79	200	54	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	849	Below Cal	#	72
75) Fluoranthene	19.42	202	9878	Below Cal	#	88
77) Benzydine	19.60	184	604	Below Cal	#	1

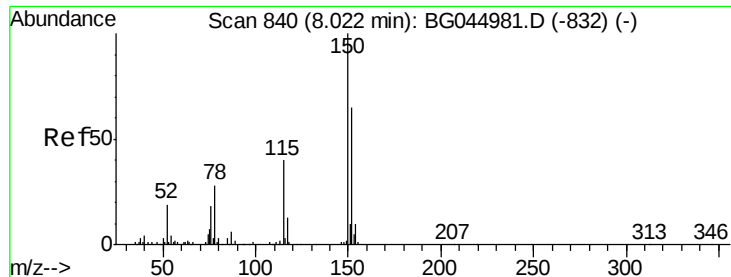
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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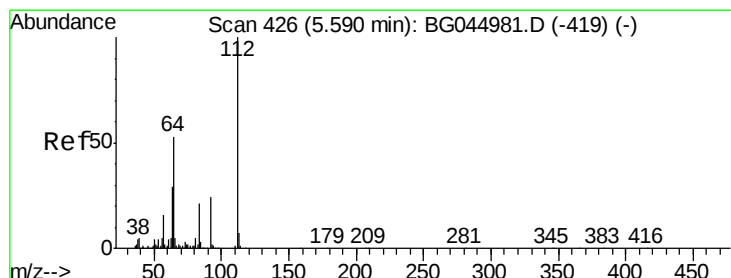
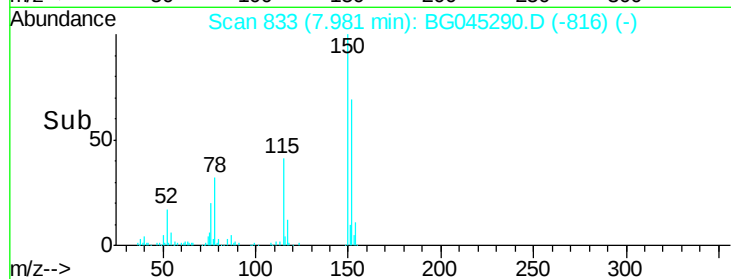
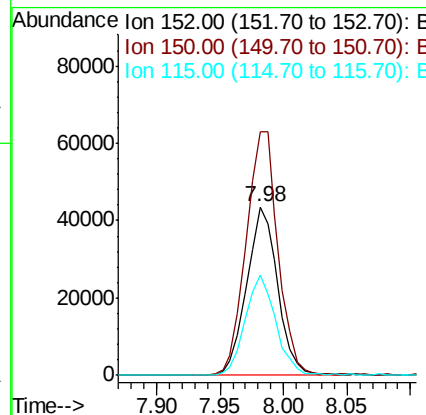
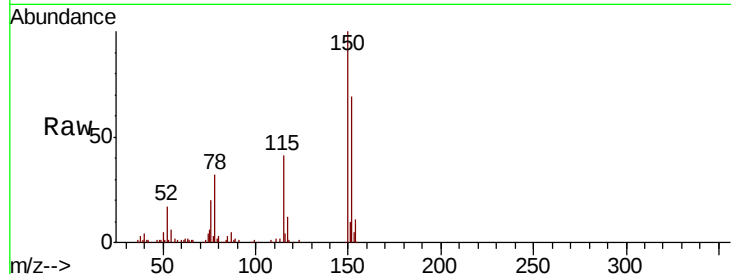


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045290.D
Acq: 8 May 2020 4:39

Instrument :
BNA_G
ClientSampleId :

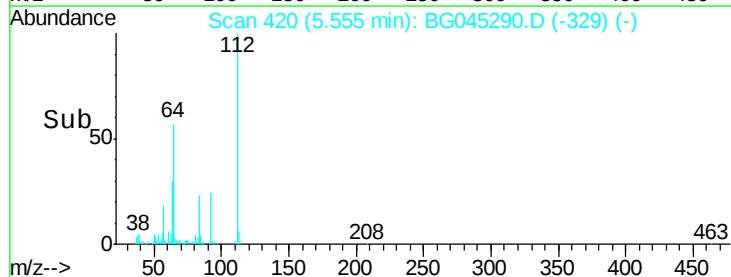
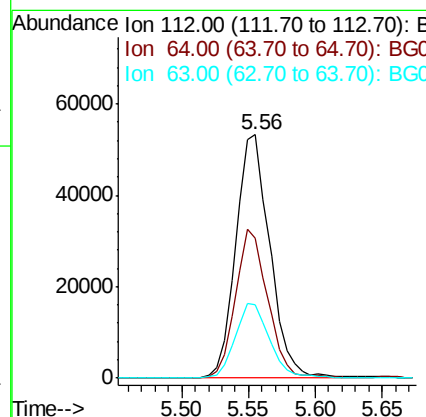
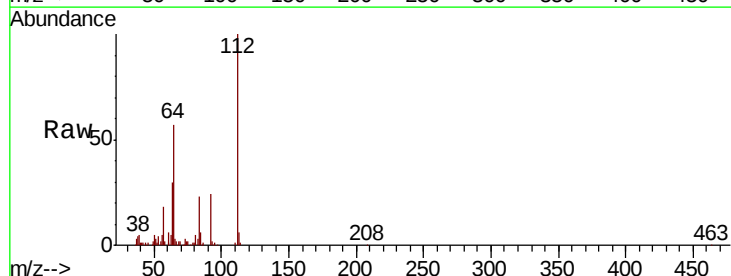
Tot Ion	Ratio	Lower	Upper
152	100		
150	144.8	123.6	185.4
115	59.9	49.1	73.7

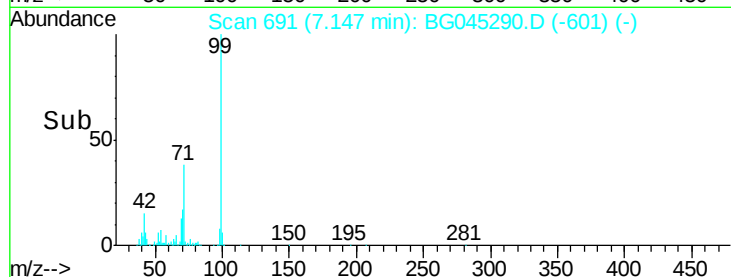
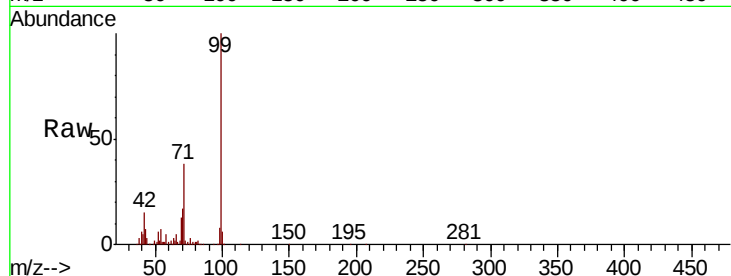
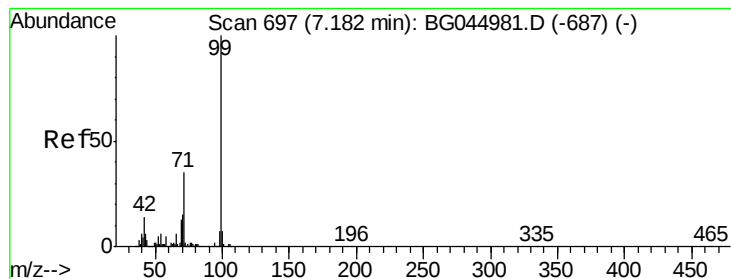


#5

2-Fluorophenol
Concen: 21.199 ng
RT: 5.56 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG045290.D
Acq: 8 May 2020 4:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	42.4	63.6
63	30.2	23.1	34.7





#7

Phenol-d6

Concen: 21.297 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

Instrument :

BNA_G

ClientSampleId :

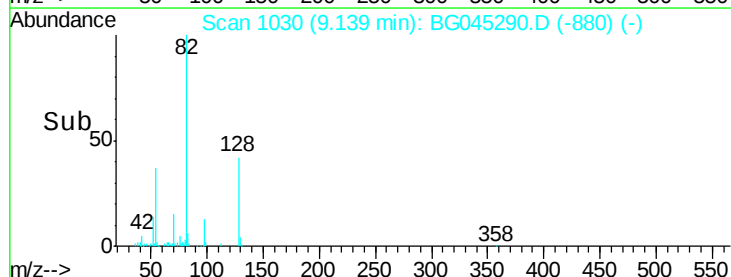
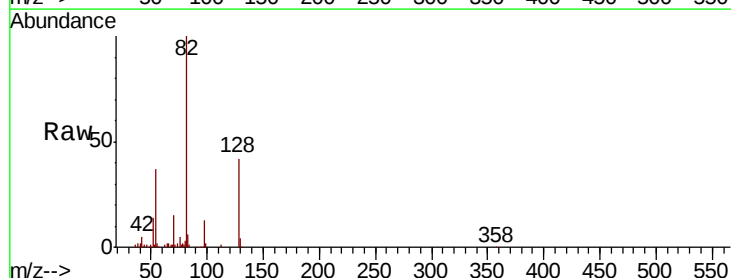
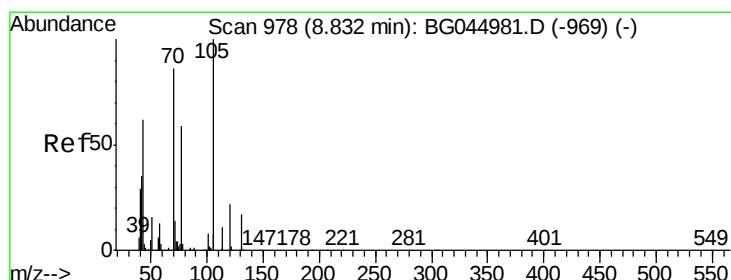
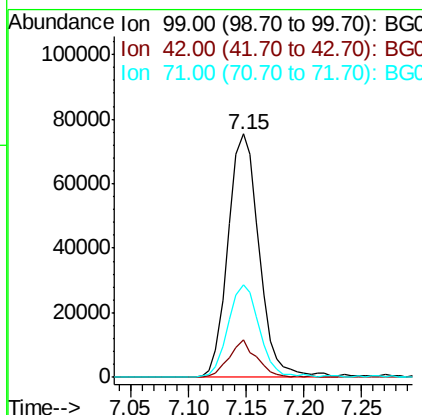
Tot Ion: 99 Resp: 141093

Ion Ratio Lower Upper

99 100

42 15.3 11.3 16.9

71 38.1 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 2.707 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.35 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

Tgt Ion: 70 Resp: 12681

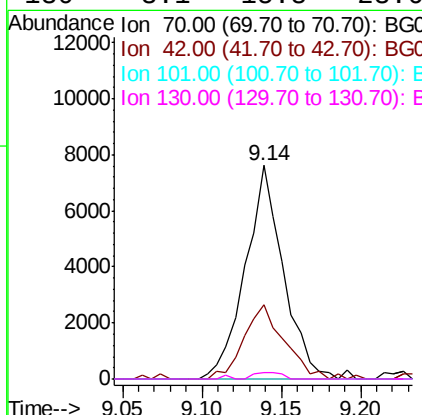
Ion Ratio Lower Upper

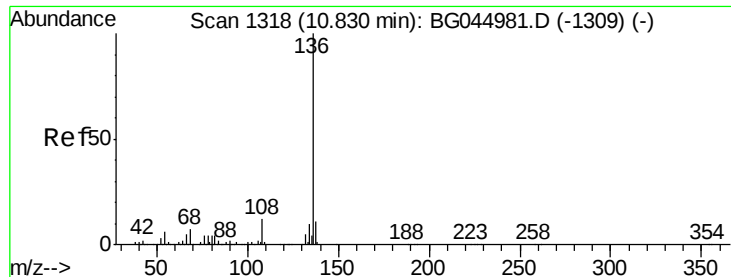
70 100

42 34.7 33.3 49.9

101 0.0 7.8 11.8#

130 3.1 15.8 23.6#

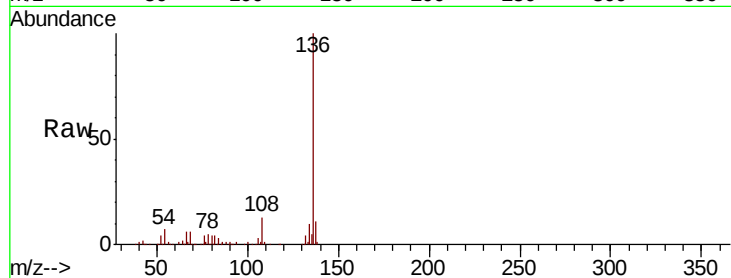




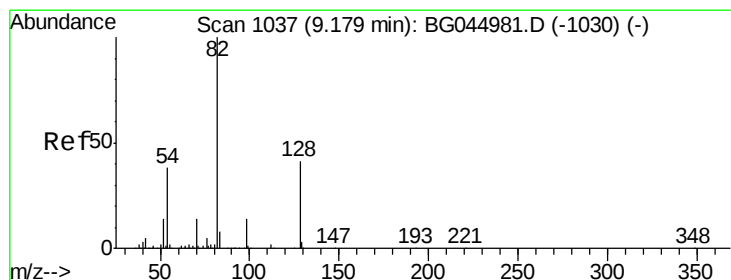
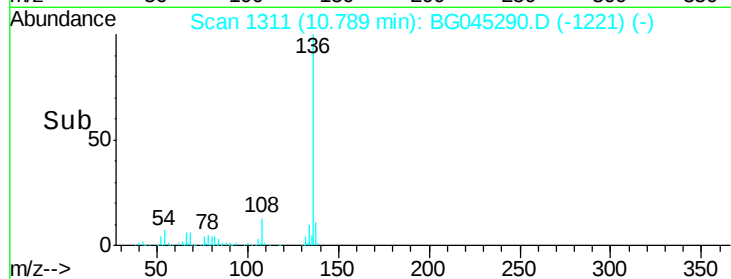
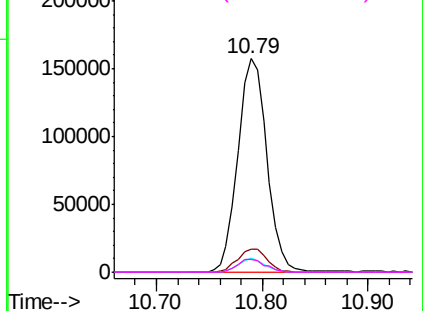
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045290.D
Acq: 8 May 2020 4:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	301054
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.6 13.0
54	6.6	4.8 7.2
68	5.8	5.2 7.8

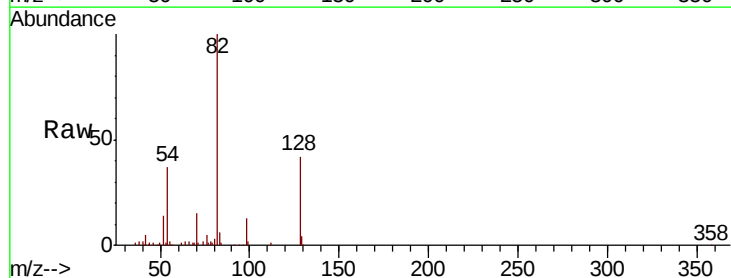


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

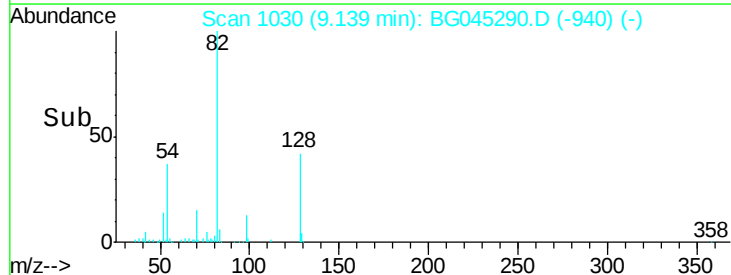
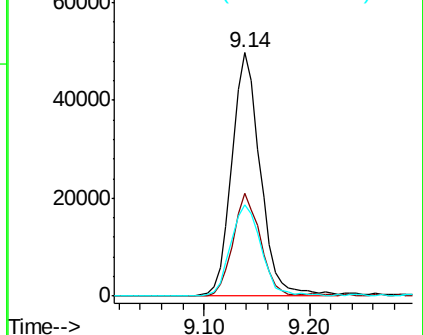


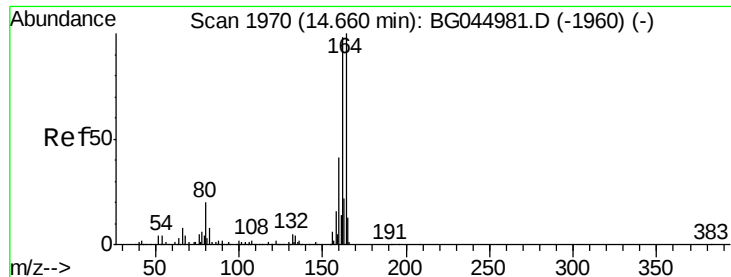
#23
Nitrobenzene-d5
Concen: 14.072 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045290.D
Acq: 8 May 2020 4:39

Tgt Ion: 82	Resp:	92844
Ion Ratio	Lower	Upper
82	100	
128	42.4	33.0 49.4
54	37.3	30.4 45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

Instrument :

BNA_G

ClientSampleId :

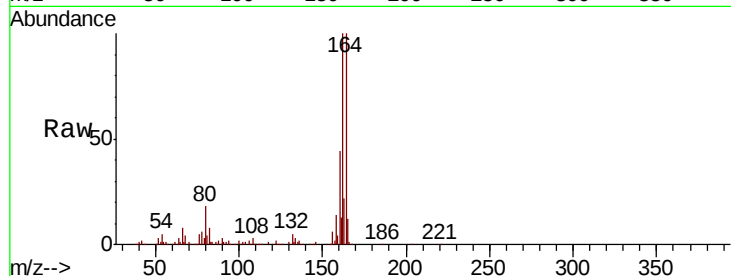
Tot Ion:164 Resp: 215689

Ion Ratio Lower Upper

164 100

162 99.6 78.7 118.1

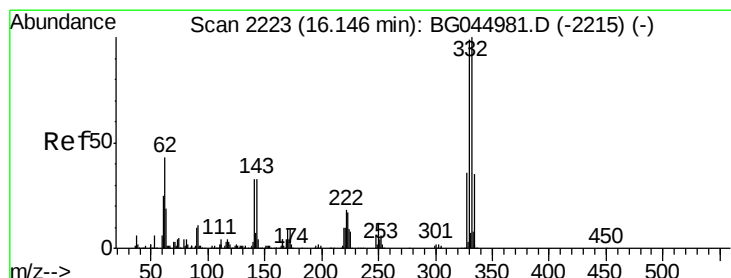
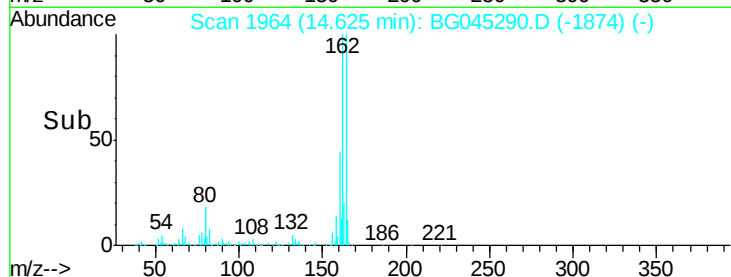
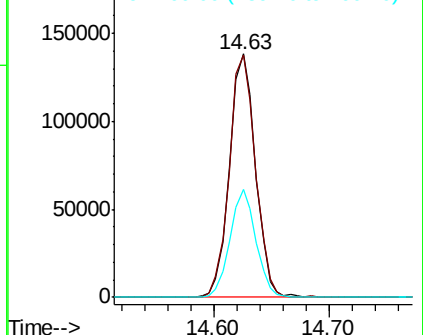
160 44.1 32.8 49.2



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: 20.122 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

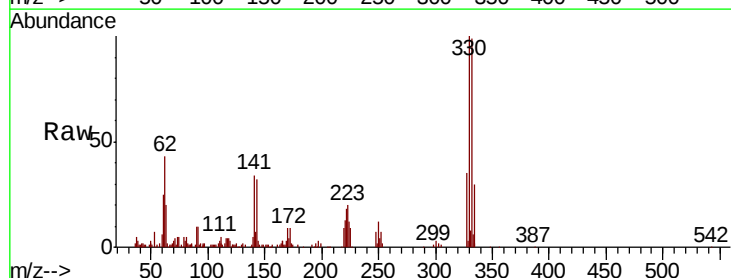
Tgt Ion:330 Resp: 67049

Ion Ratio Lower Upper

330 100

332 102.3 79.1 118.7

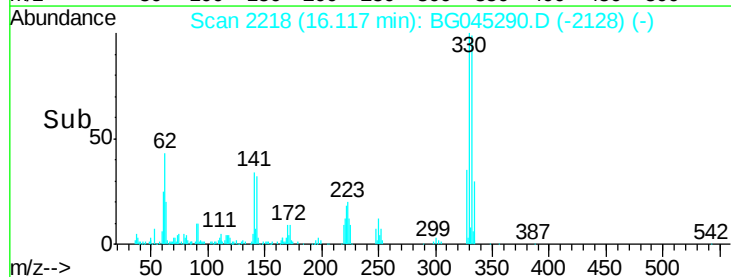
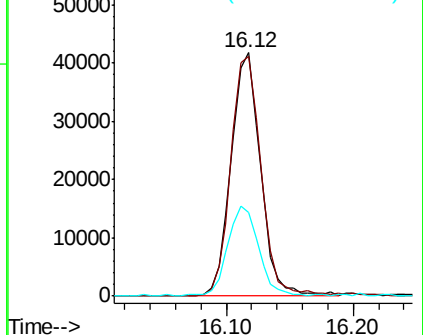
141 38.9 27.1 40.7

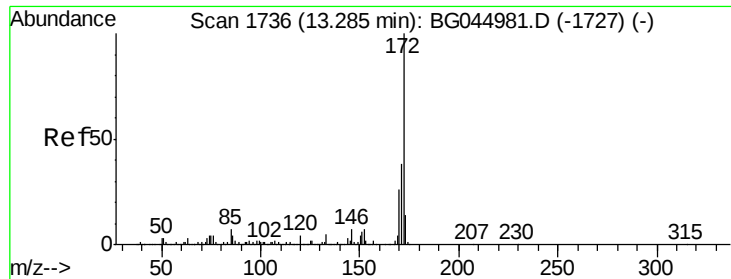


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

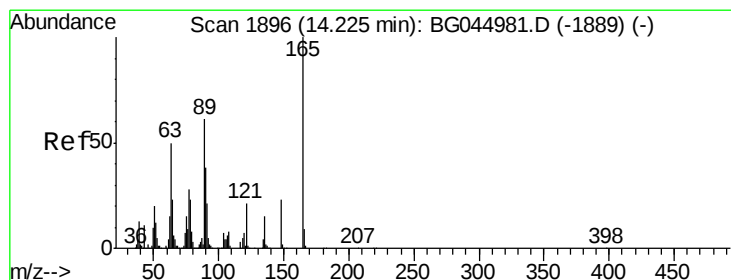
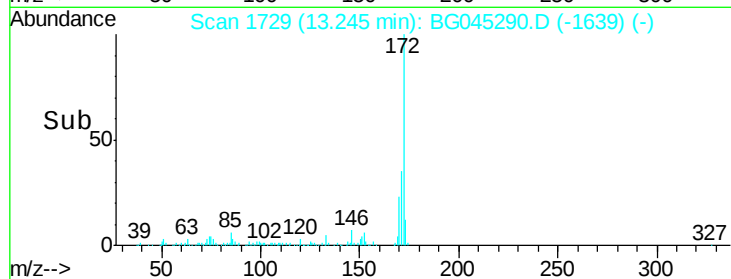
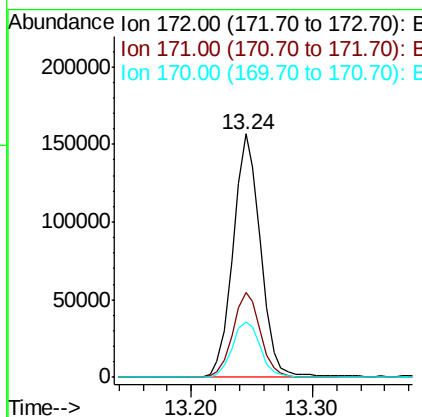
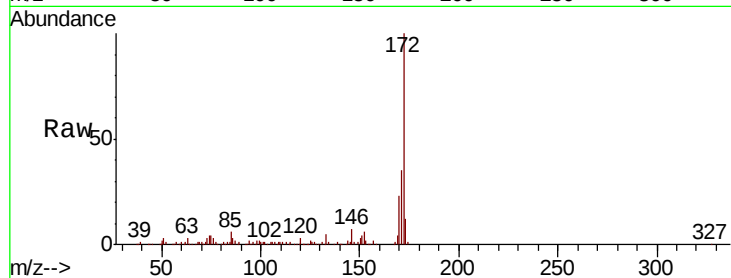




#45
 2-Fluorobiphenyl
 Concen: 16.875 ng
 RT: 13.24 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045290.D
 Acq: 8 May 2020 4:39

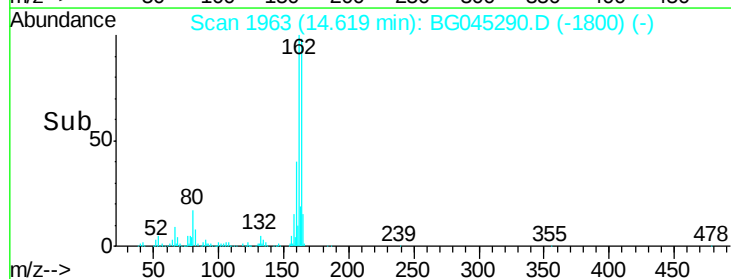
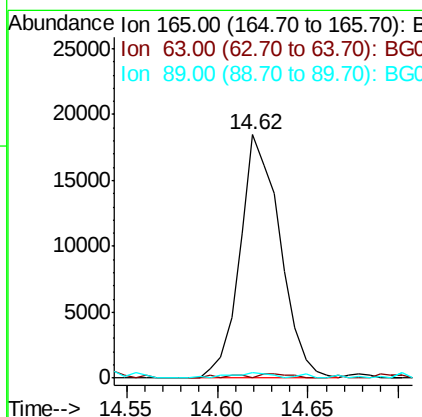
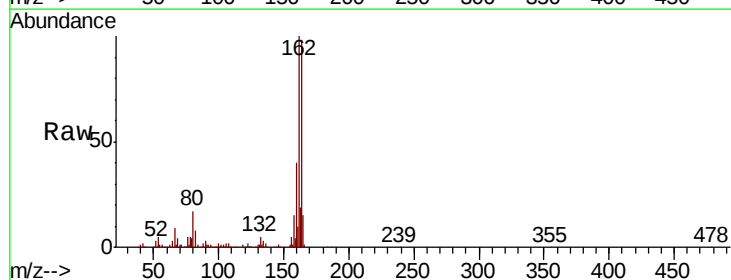
Instrument :
 BNA_G
 ClientSampleId :

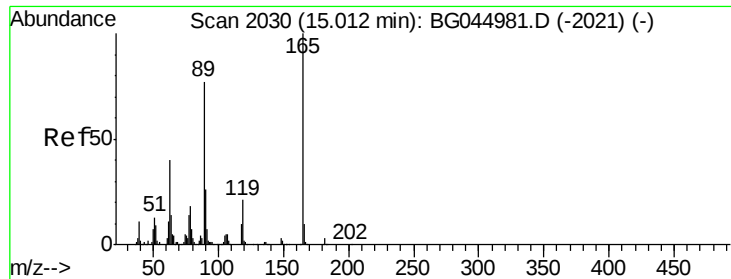
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.6	46.0
170	23.0	20.5	30.7



#51
 2,6-Dinitrotoluene
 Concen: 7.248 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.43 min
 Lab File: BG045290.D
 Acq: 8 May 2020 4:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	2.5	49.1	73.7#





#57

2,4-Dinitrotoluene

Concen: 4.960 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.37 min

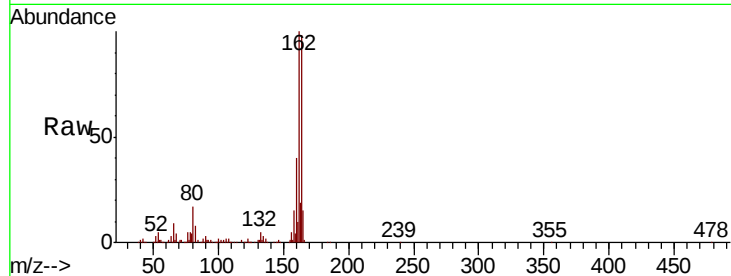
Lab File: BG045290.D

Acq: 8 May 2020 4:39

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 28471

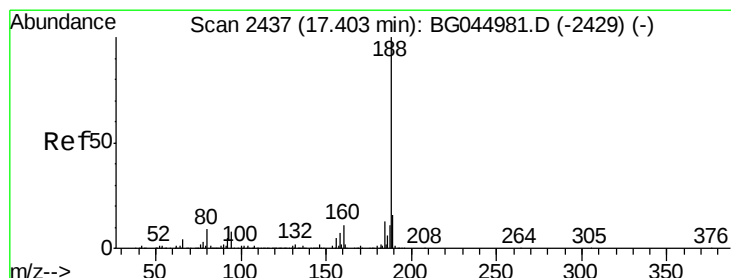
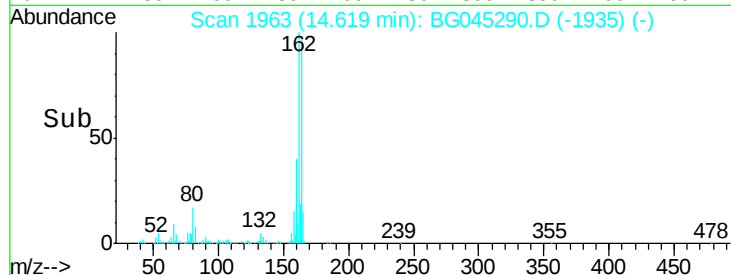
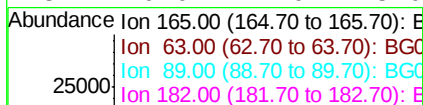
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 2.5 61.7 92.5#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

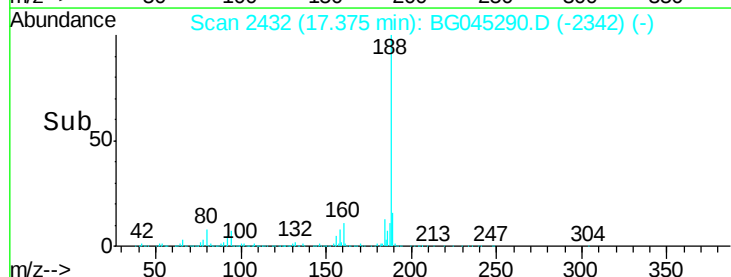
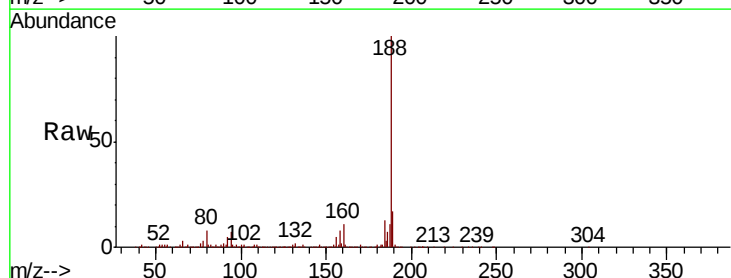
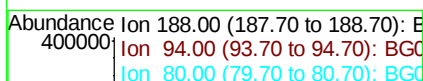
Tgt Ion:188 Resp: 445912

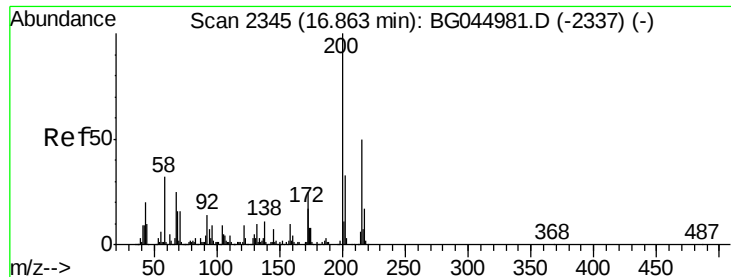
Ion Ratio Lower Upper

188 100

94 6.8 6.2 9.4

80 8.0 7.0 10.6





#69

Atrazine

Concen: Below Cal

RT: 16.79 min Scan# 2332

Delta R.T. -0.04 min

Lab File: BG045290.D

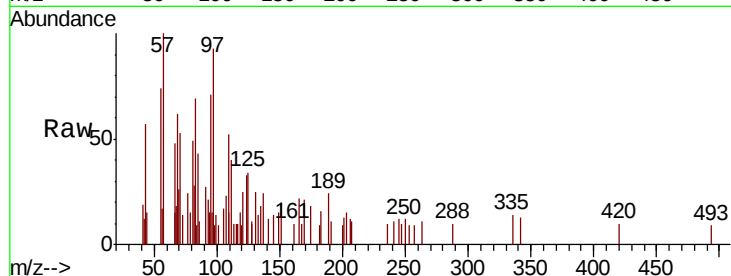
Acq: 8 May 2020 4:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	200	Resp:	54
Ion Ratio	Lower	Upper	
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

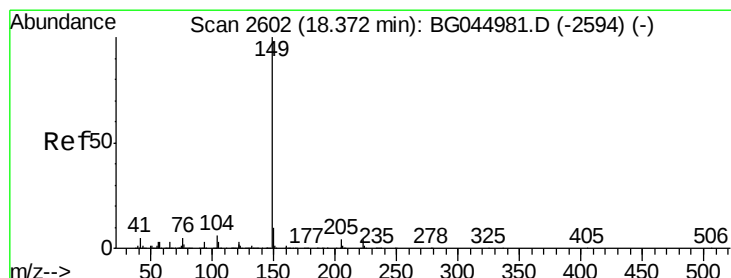
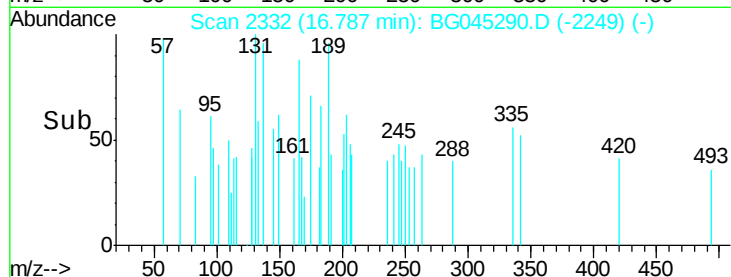
Ion 215.00 (214.70 to 215.70): E

16.79

16.78

16.80

Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

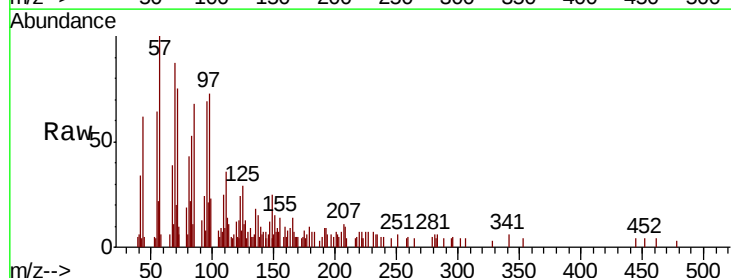
RT: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

Tgt Ion:	149	Resp:	849
Ion Ratio	Lower	Upper	
149	100		
150	22.8	8.2	12.2#
104	0.0	4.8	7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

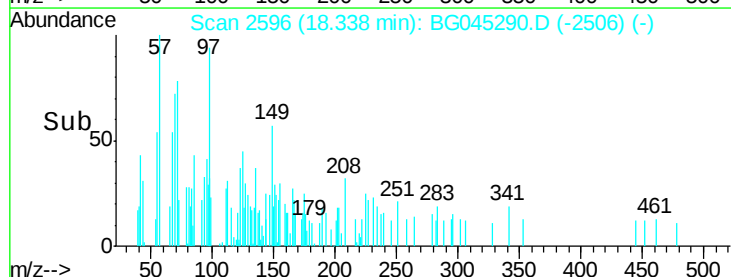
Ion 104.00 (103.70 to 104.70): E

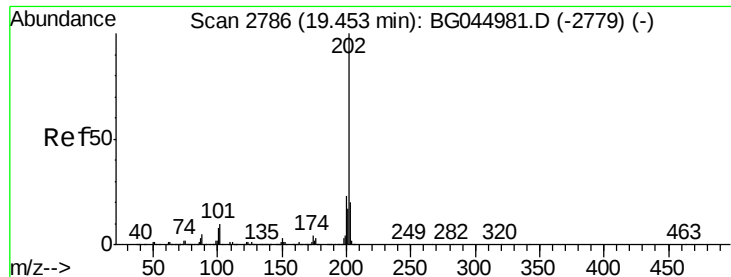
18.34

18.30

18.35

Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2781

Delta R.T. -0.00 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

Instrument :

BNA_G

ClientSampleId :

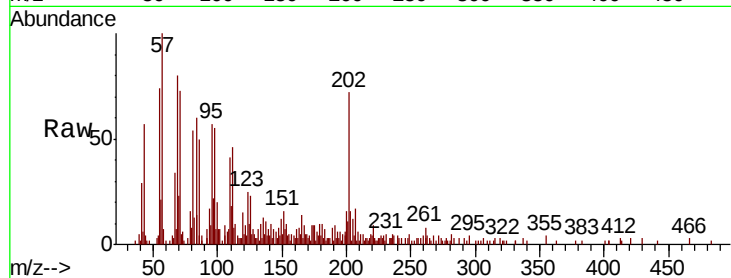
Tot Ion:202 Resp: 9878

Ion Ratio Lower Upper

202 100

101 19.6 0.0 29.6

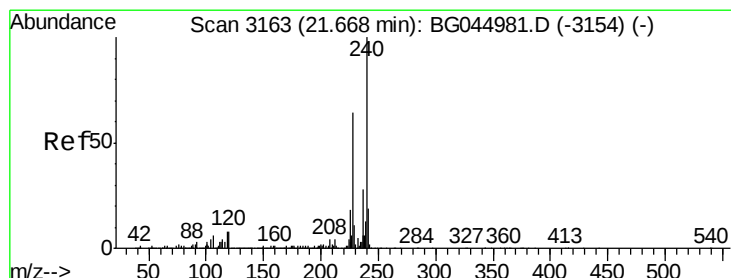
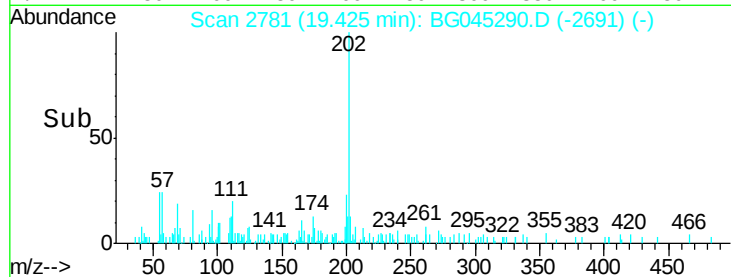
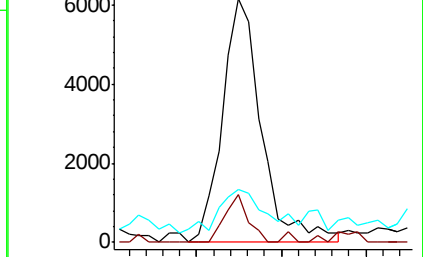
203 22.0 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

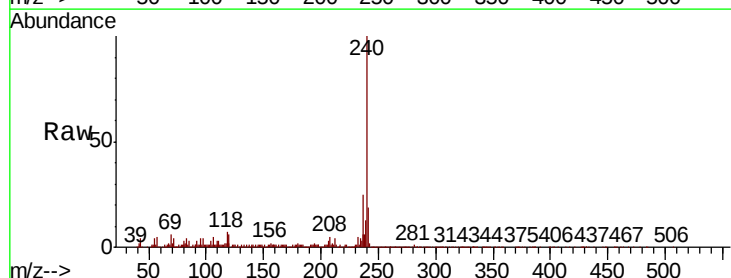
Tgt Ion:240 Resp: 361575

Ion Ratio Lower Upper

240 100

120 6.4 6.6 10.0#

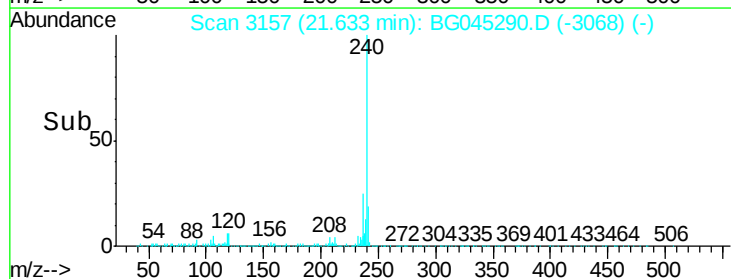
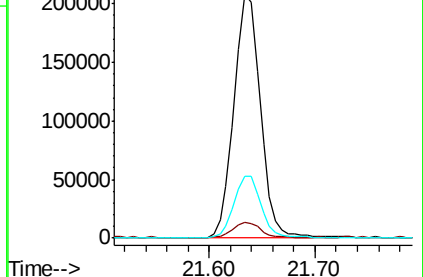
236 25.2 22.2 33.2

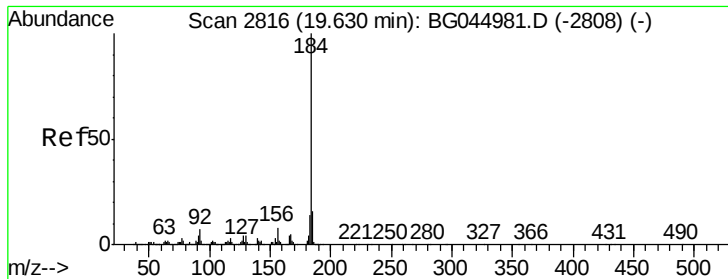


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.60 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

Instrument :

BNA_G

ClientSampled :

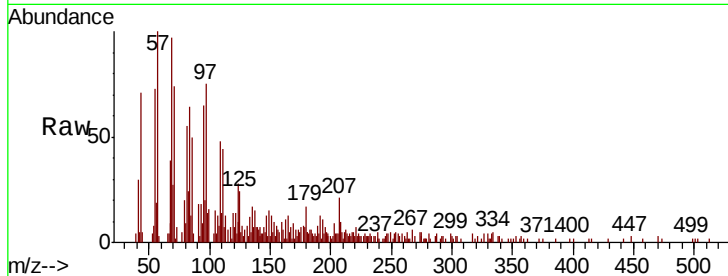
Tot Ion:184 Resp: 604

Ion Ratio Lower Upper

184 100

185 56.9 12.6 19.0#

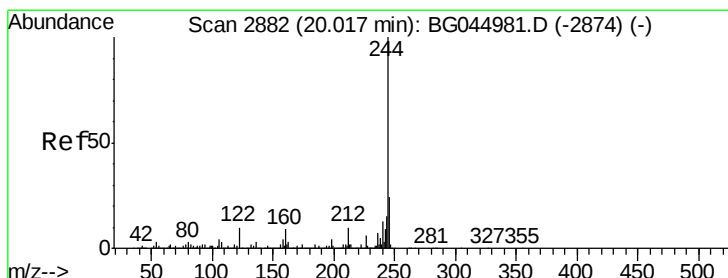
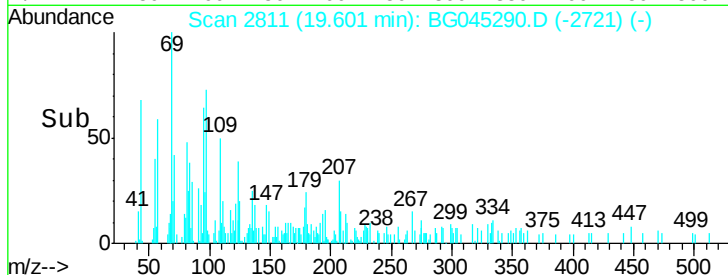
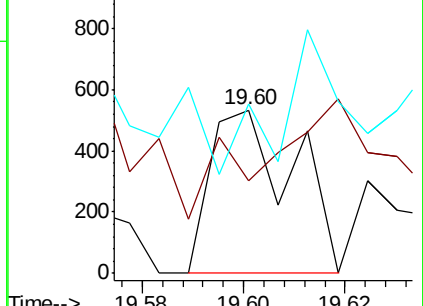
183 103.9 11.3 16.9#



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: 19.783 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045290.D

Acq: 8 May 2020 4:39

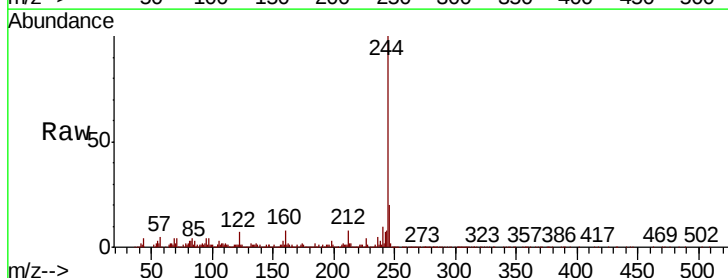
Tgt Ion:244 Resp: 328192

Ion Ratio Lower Upper

244 100

212 7.9 7.9 11.9#

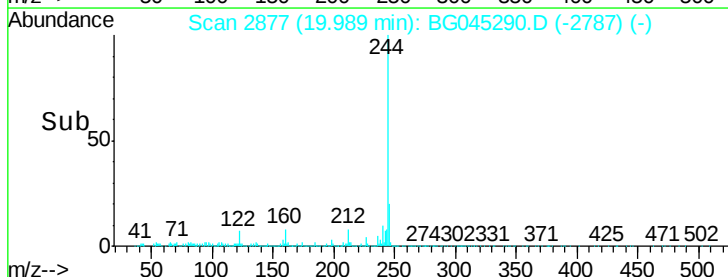
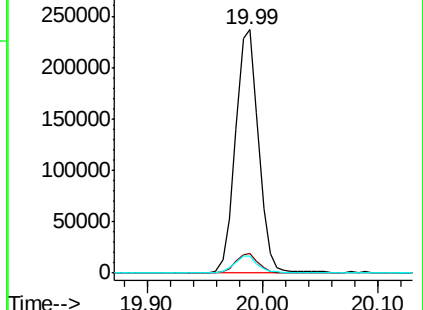
122 7.2 7.7 11.5#

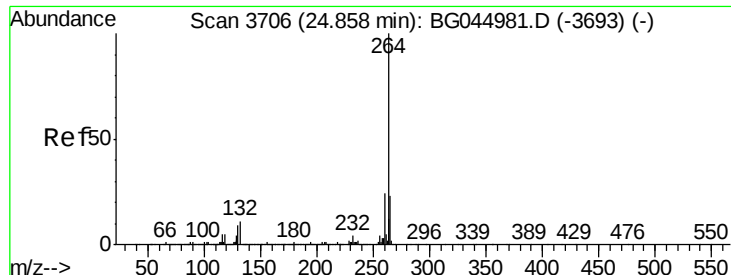


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

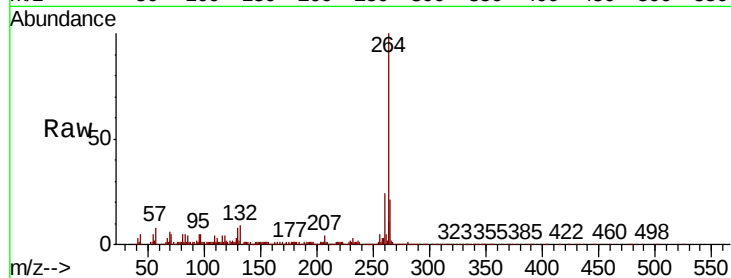




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3697
Delta R.T. -0.01 min
Lab File: BG045290.D
Acq: 8 May 2020 4:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	406080
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.0	19.0	28.4



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

