

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
 Data File : BG044313.D
 Acq On : 5 Feb 2020 20:43
 Operator : CG/JU
 Sample : PB126599BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 01:12:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

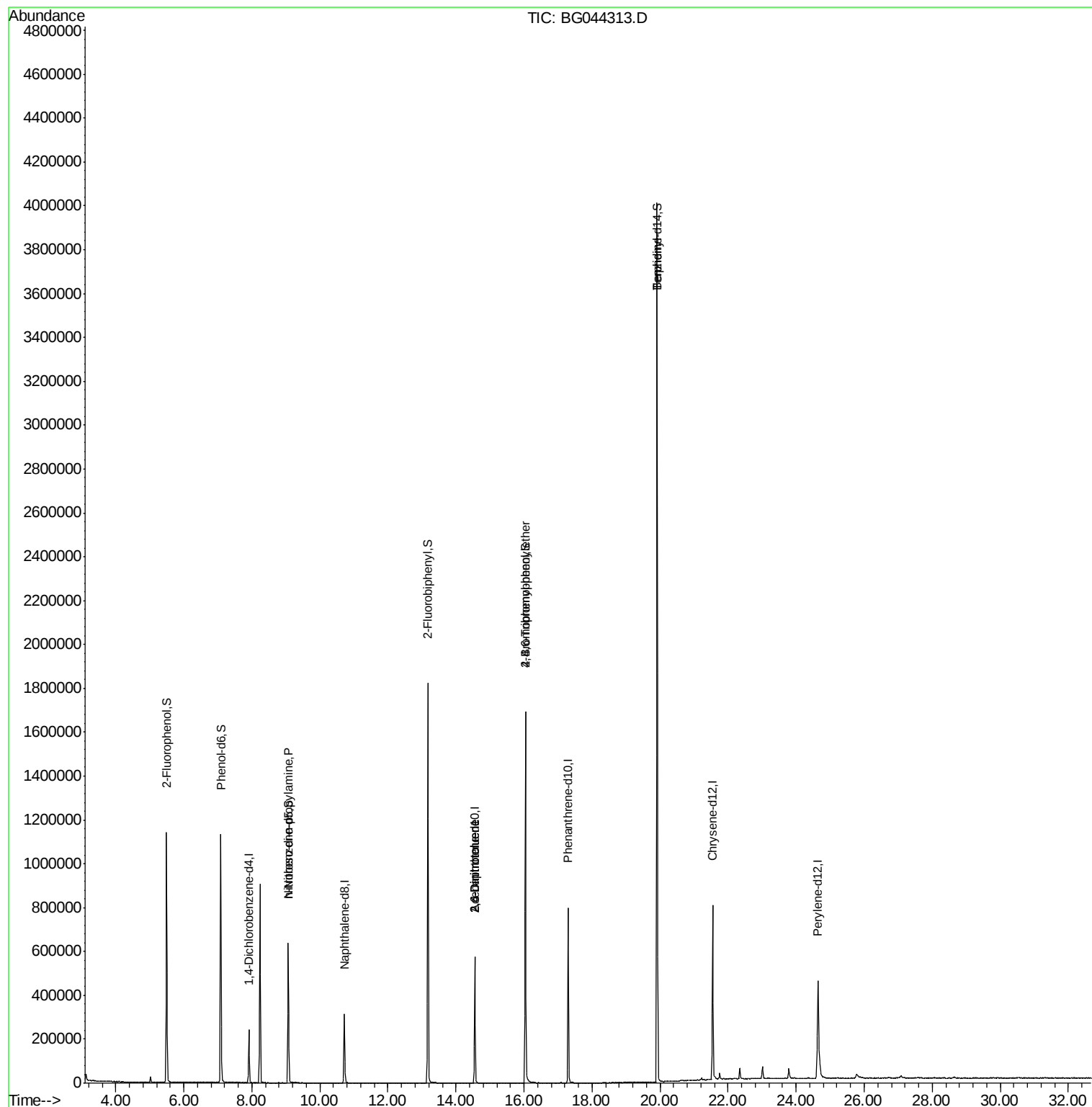
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	72027	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	297324	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	211625	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	515029	20.00	ng	0.00
76) Chrysene-d12	21.55	240	480095	20.00	ng	0.00
87) Perylene-d12	24.64	264	536495	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	552655	135.41	ng	0.00
7) Phenol-d6	7.09	99	729113	133.04	ng	0.00
23) Nitrobenzene-d5	9.07	82	430320	81.71	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	325632	131.07	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1029823	81.49	ng	0.00
79) Terphenyl-d14	19.91	244	1882620	80.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	55249	15.126	ng	# 77
51) 2,6-Dinitrotoluene	14.55	165	27545	8.121	ng	# 29
57) 2,4-Dinitrotoluene	14.55	165	27545	5.794	ng	# 27
67) 4-Bromophenyl-phenylether	16.04	248	22824	4.068	ng	# 1
77) Benzidine	19.91	184	30505	2.291	ng	# 93

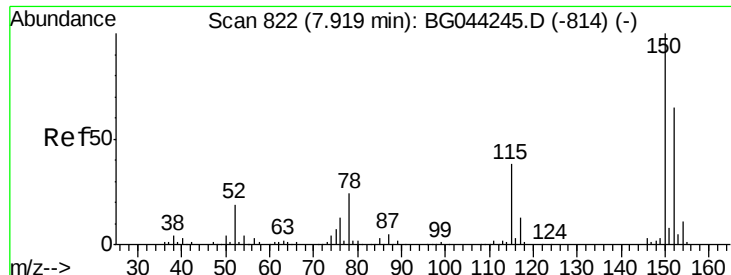
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
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QLast Update : Thu Jan 30 16:05:09 2020
Response via : Initial Calibration



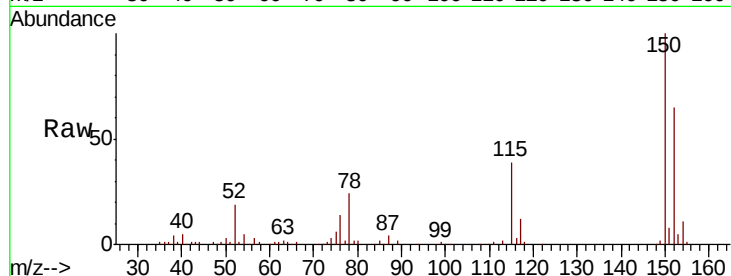


#1

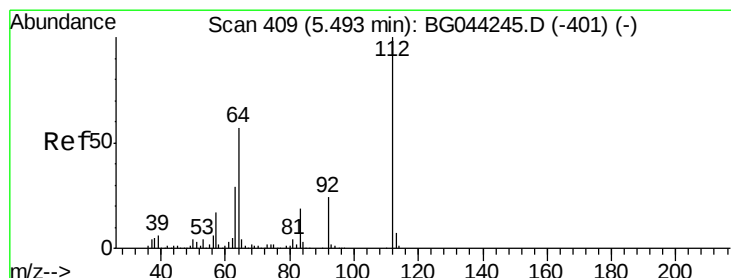
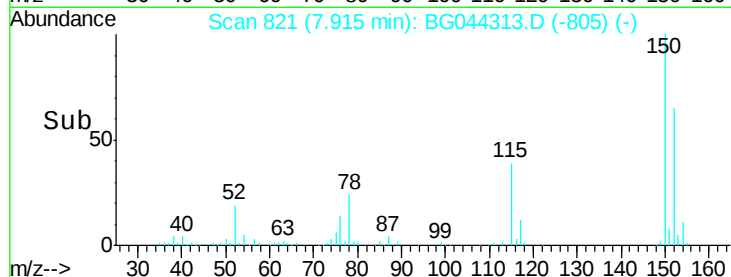
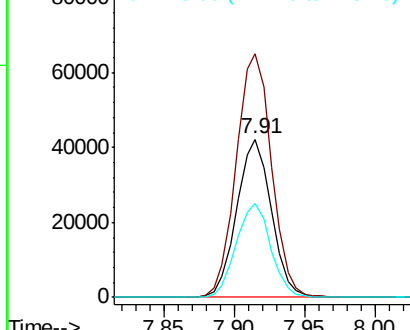
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.00 min
Lab File: BG044313.D
Acq: 5 Feb 2020 20:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.6	183.8
115	59.5	46.0	69.0



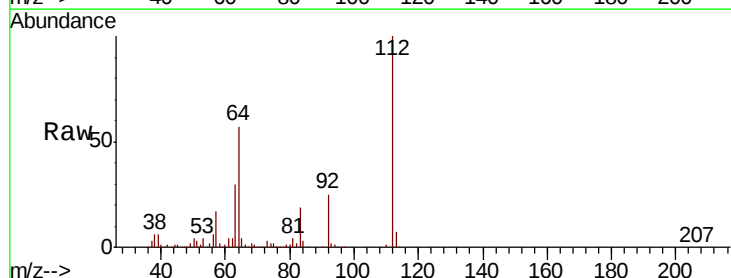
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



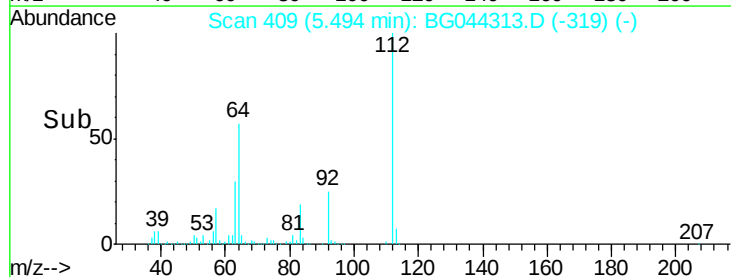
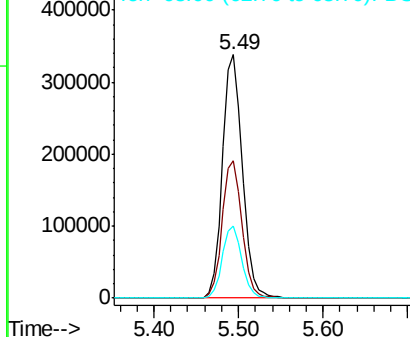
#5

2-Fluorophenol
Concen: 135.414 ng
RT: 5.49 min Scan# 409
Delta R.T. 0.00 min
Lab File: BG044313.D
Acq: 5 Feb 2020 20:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.4	68.2
63	29.7	22.9	34.3



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: 133.039 ng

RT: 7.09 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG044313.D

Acq: 5 Feb 2020 20:43

Instrument :

BNA_G

ClientSampled :

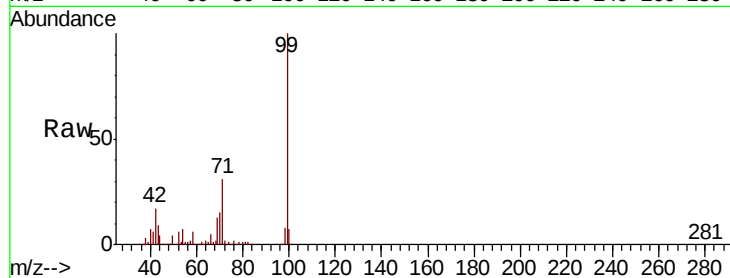
Tot Ion: 99 Resp: 729113

Ion Ratio Lower Upper

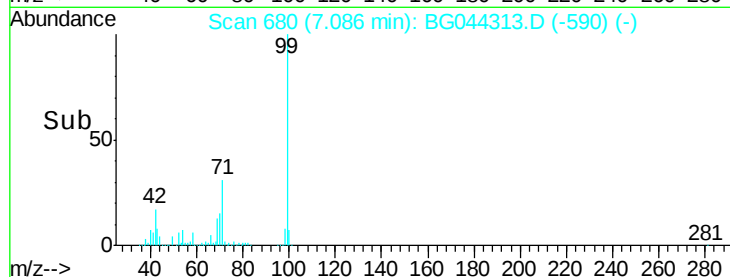
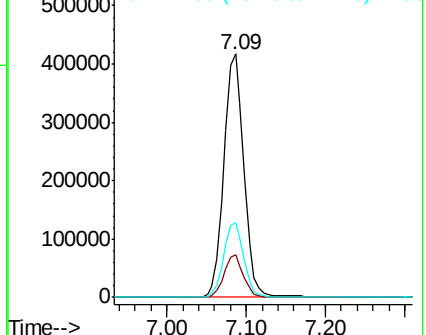
99 100

42 17.3 13.8 20.6

71 30.7 25.5 38.3



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: 15.126 ng

RT: 9.07 min Scan# 1017

Delta R.T. 0.34 min

Lab File: BG044313.D

Acq: 5 Feb 2020 20:43

Tgt Ion: 70 Resp: 55249

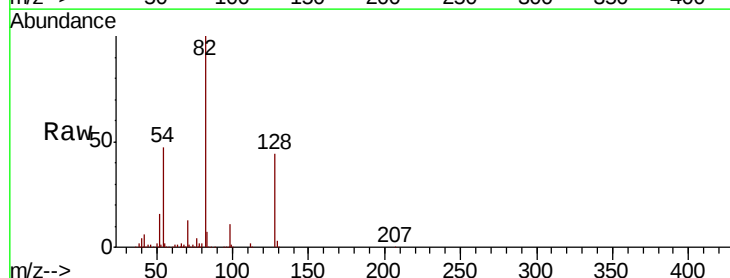
Ion Ratio Lower Upper

70 100

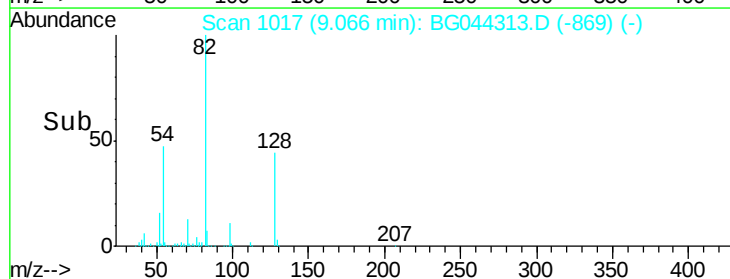
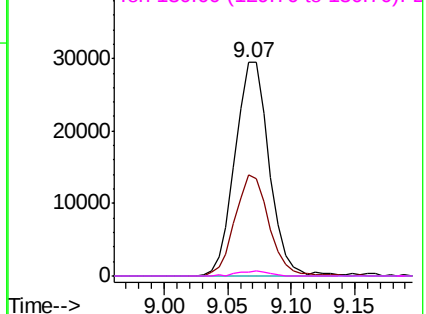
42 47.3 46.2 69.2

101 0.0 8.4 12.6#

130 1.9 17.8 26.8#



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

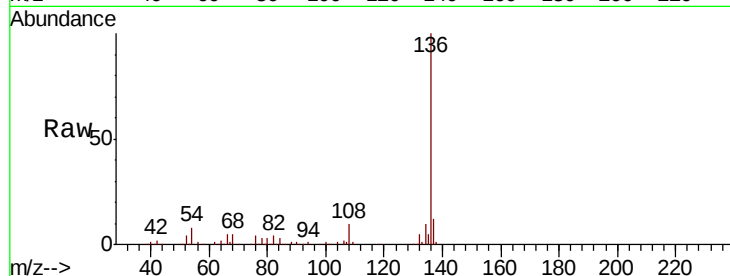




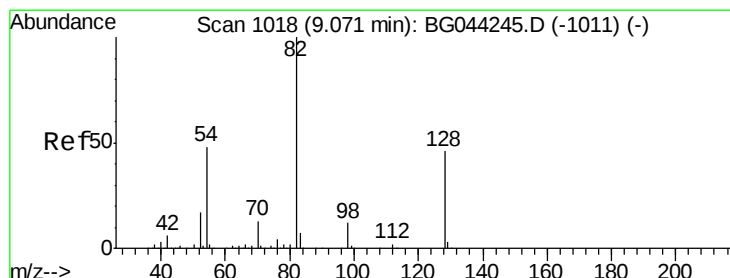
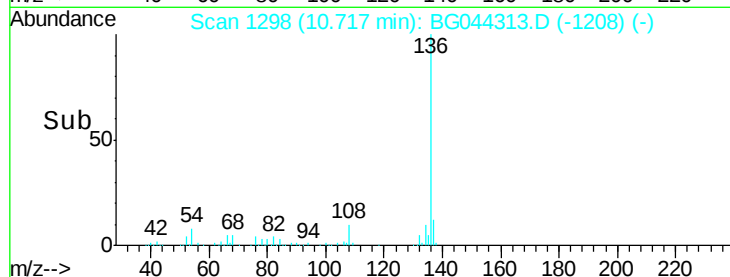
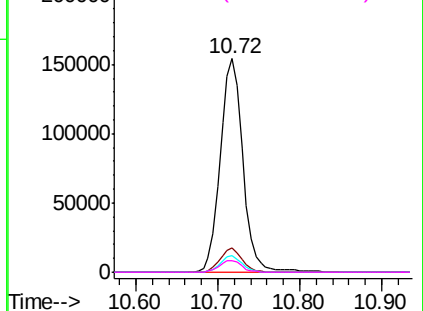
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG044313.D
Acq: 5 Feb 2020 20:43

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	297324
Ion Ratio	Lower	Upper
136 100		
137 11.7	8.8	13.2
54 7.7	5.8	8.8
68 5.3	4.6	6.8

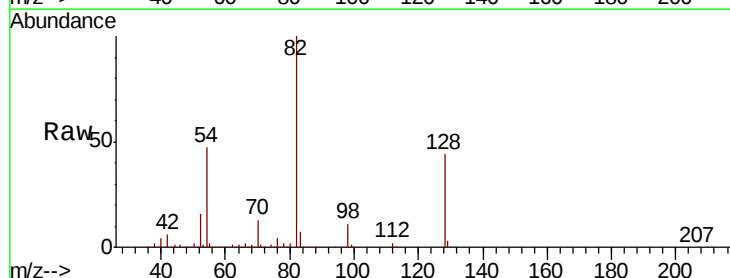


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

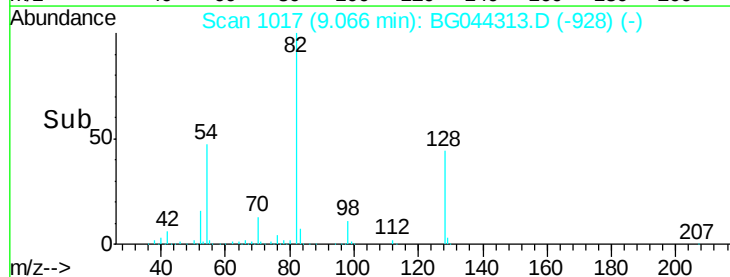
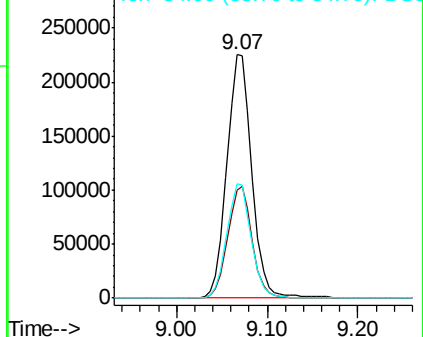


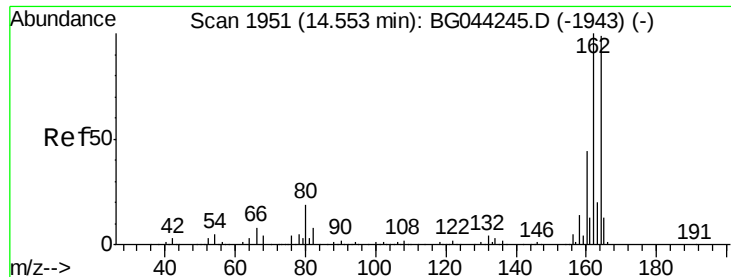
#23
Nitrobenzene-d5
Concen: 81.710 ng
RT: 9.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BG044313.D
Acq: 5 Feb 2020 20:43

Tgt Ion: 82	Resp: 430320
Ion Ratio	Lower Upper
82 100	
128 44.3	36.5 54.7
54 47.2	38.6 58.0



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

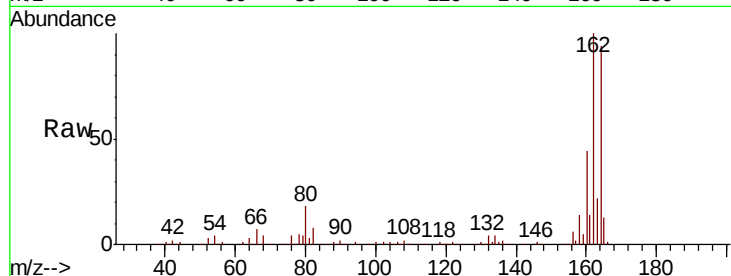




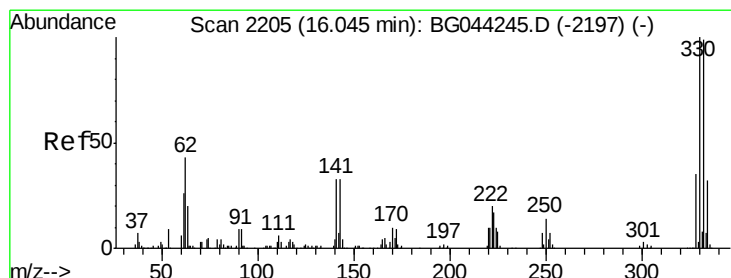
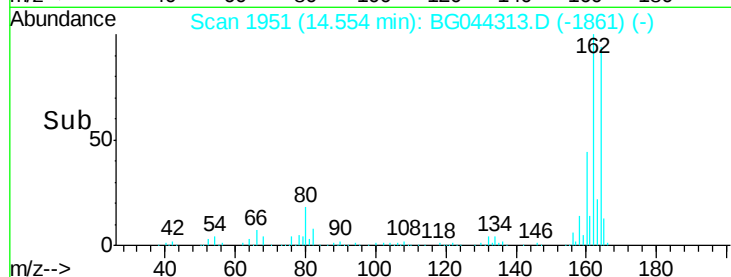
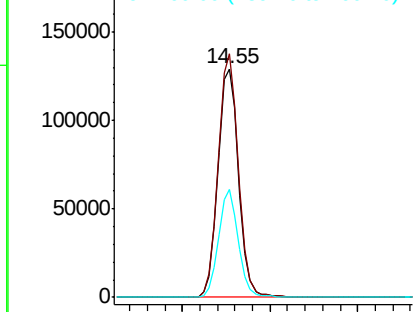
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG044313.D
Acq: 5 Feb 2020 20:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.5	80.7	121.1
160	47.1	35.3	52.9

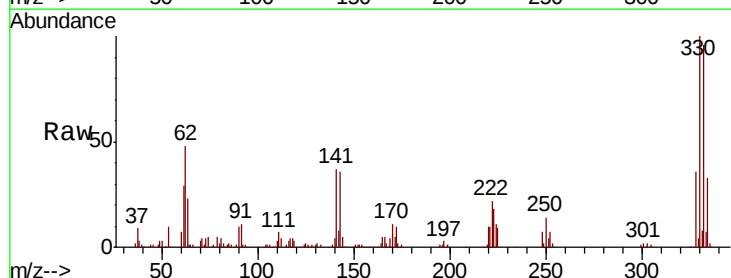


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

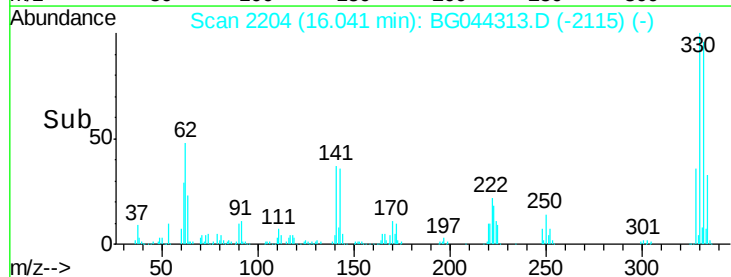
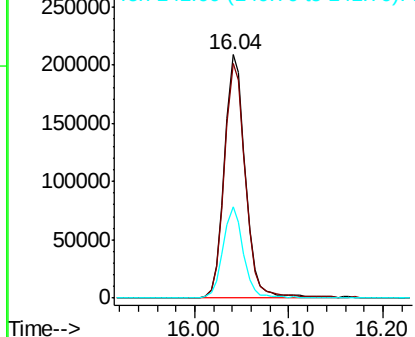


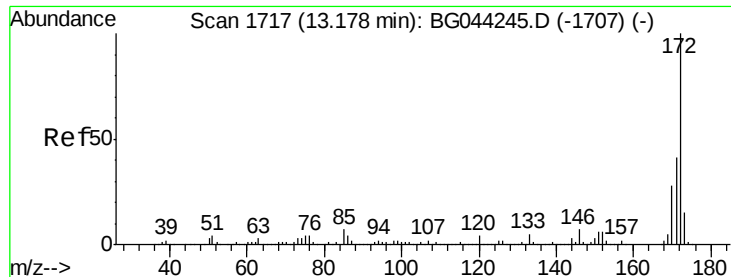
#42
2,4,6-Tribromophenol
Concen: 131.073 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BG044313.D
Acq: 5 Feb 2020 20:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.2	115.8
141	37.0	28.3	42.5



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



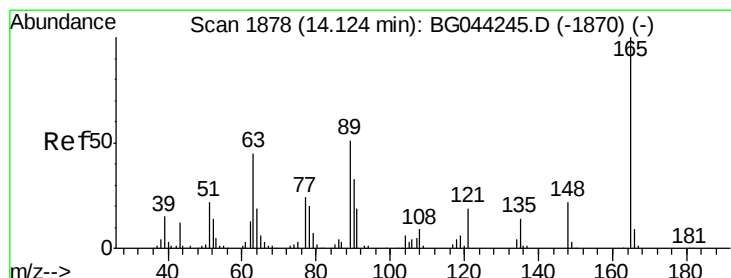
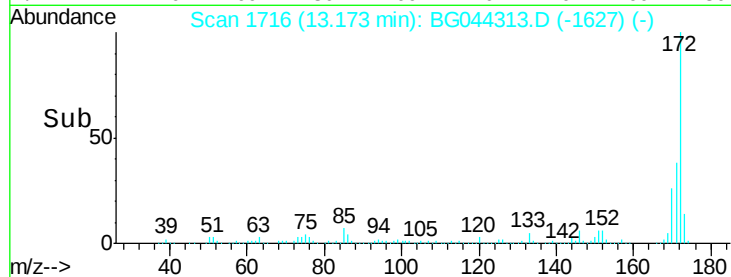
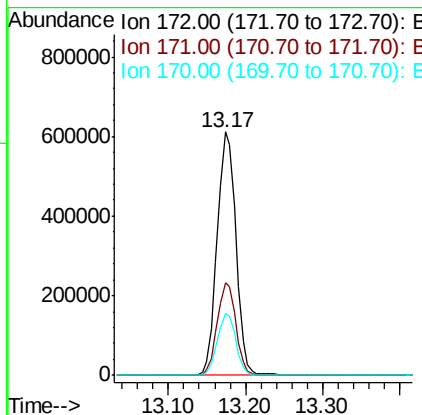
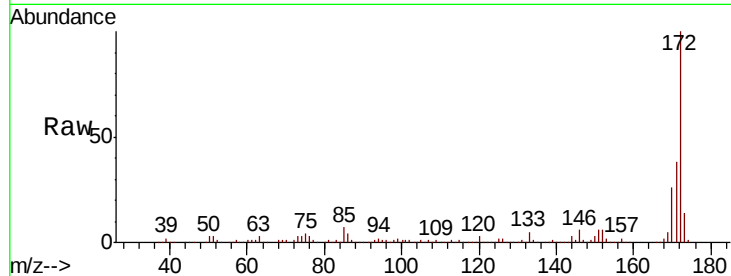


#45
 2-Fluorobiphenyl
 Concen: 81.488 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG044313.D
 Acq: 5 Feb 2020 20:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1029823

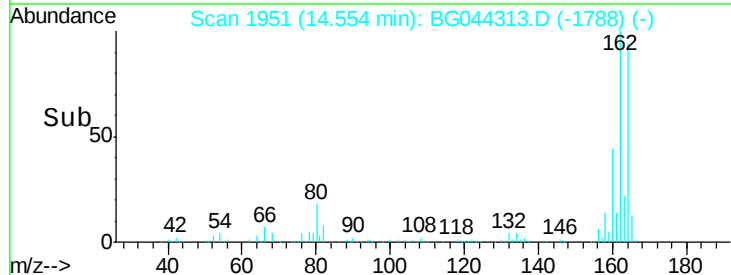
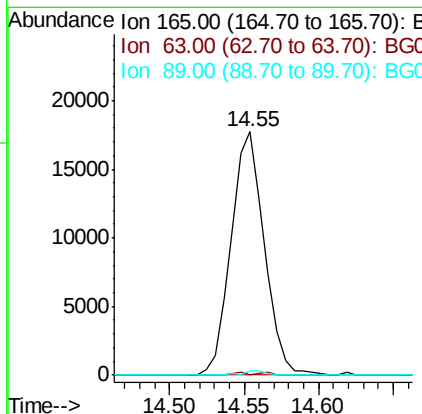
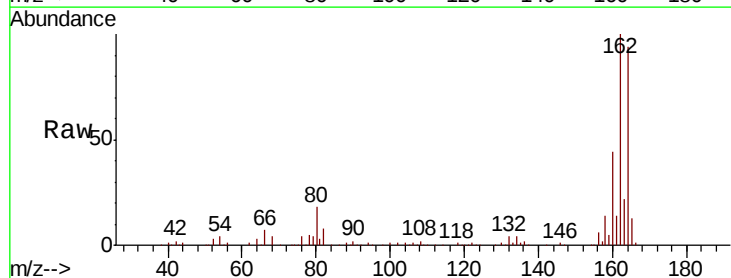
Ion	Ratio	Lower	Upper
172	100		
171	38.0	32.9	49.3
170	25.6	22.0	33.0

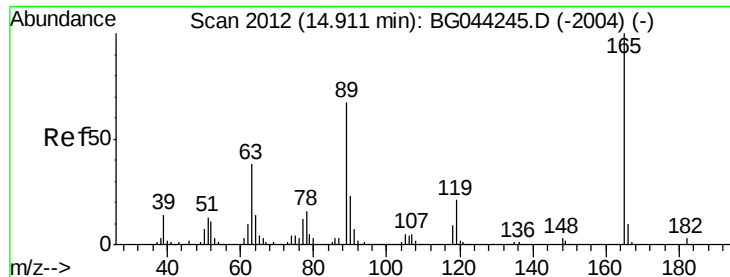


#51
 2,6-Dinitrotoluene
 Concen: 8.121 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG044313.D
 Acq: 5 Feb 2020 20:43

Tgt Ion:165 Resp: 27545

Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.7	40.4	60.6#

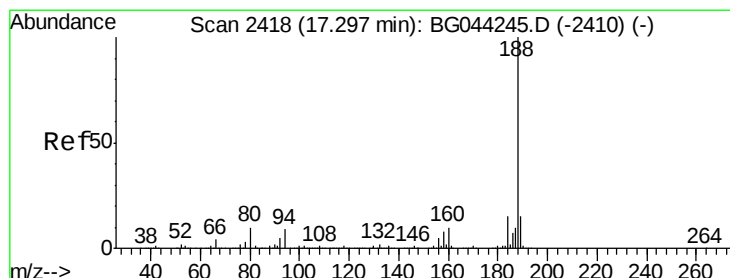
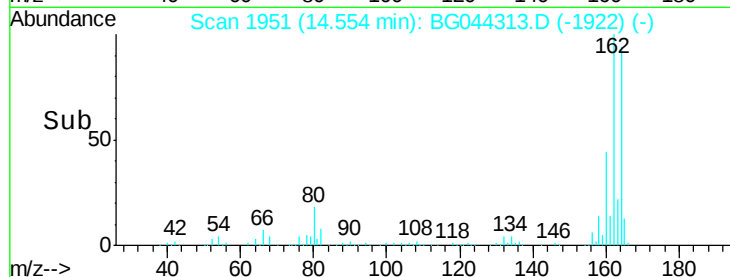
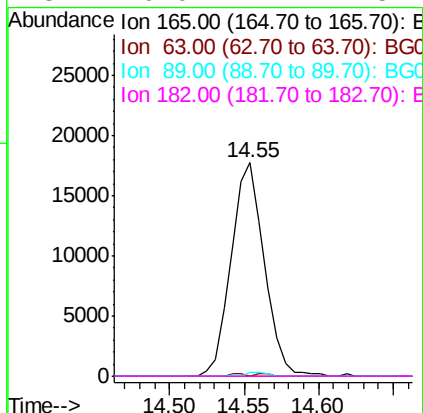
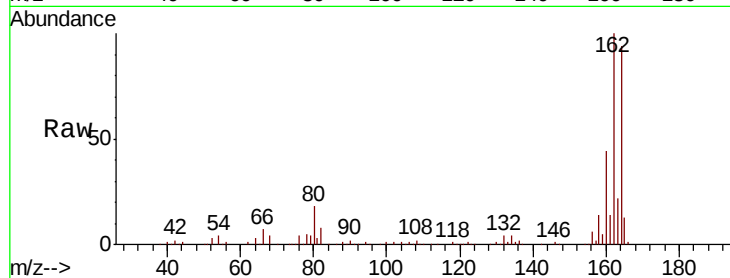




#57
 2,4-Dinitrotoluene
 Concen: 5.794 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG044313.D
 Acq: 5 Feb 2020 20:43

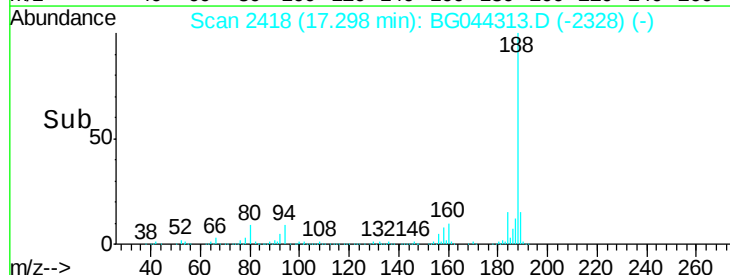
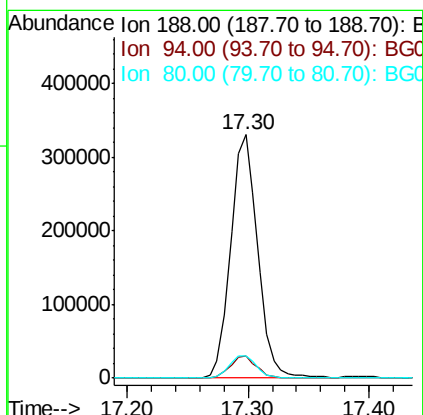
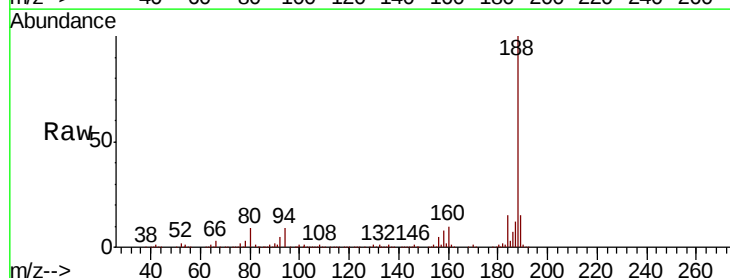
Instrument :
 BNA_G
 ClientSampleId :

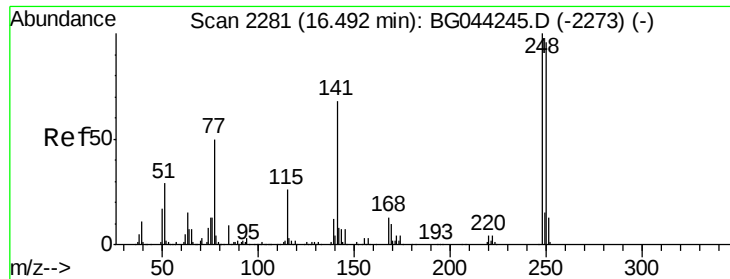
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	1.7	53.4	80.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: BG044313.D
 Acq: 5 Feb 2020 20:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	9.3	7.7	11.5





#67

4-Bromophenyl-phenylether

Concen: 4.068 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.45 min

Lab File: BG044313.D

Acq: 5 Feb 2020 20:43

Instrument :

BNA_G

ClientSampled :

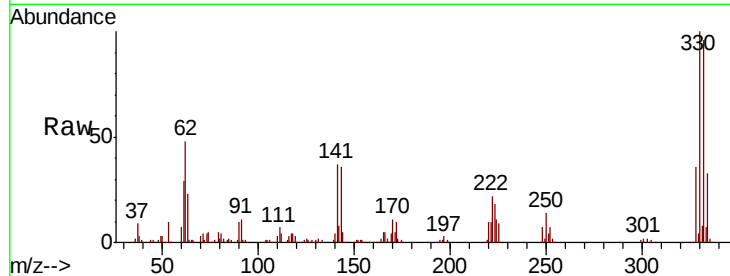
Tot Ion:248 Resp: 22824

Ion Ratio Lower Upper

248 100

250 186.2 76.6 114.8#

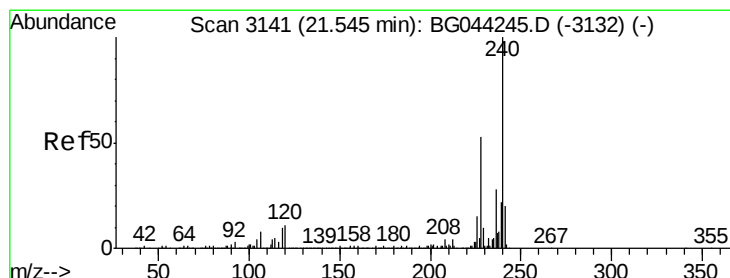
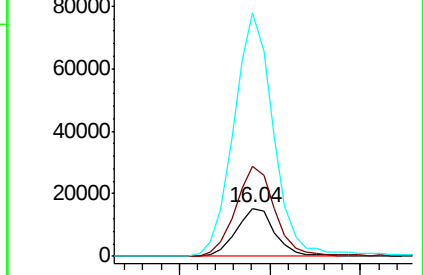
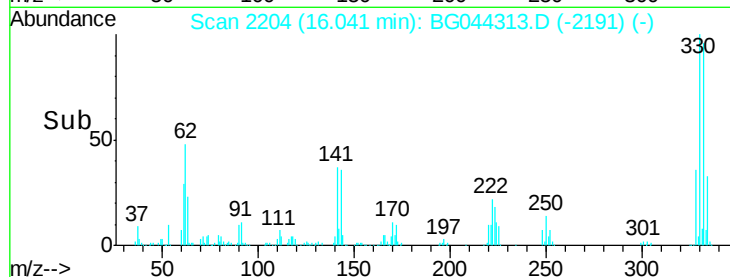
141 506.7 54.7 82.1#



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: 21.55 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG044313.D

Acq: 5 Feb 2020 20:43

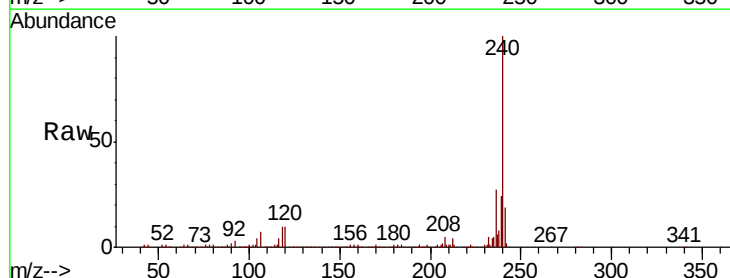
Tgt Ion:240 Resp: 480095

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

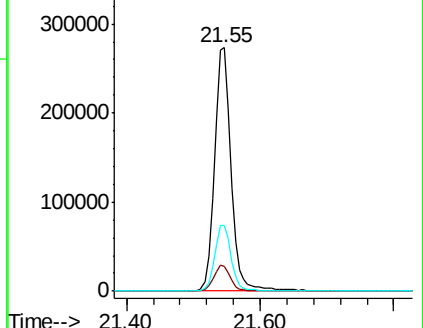
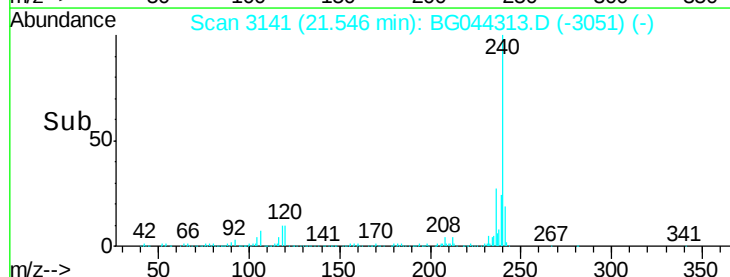
236 26.9 22.1 33.1

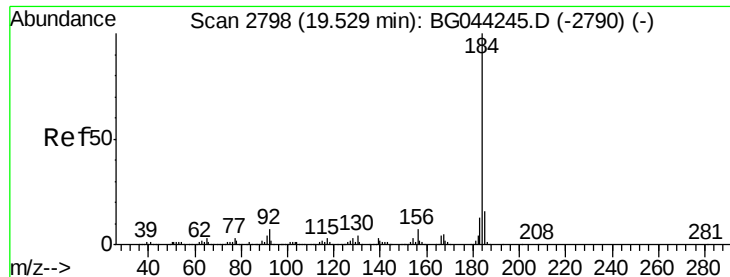


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.291 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG044313.D

Acq: 5 Feb 2020 20:43

Instrument :

BNA_G

ClientSampleId :

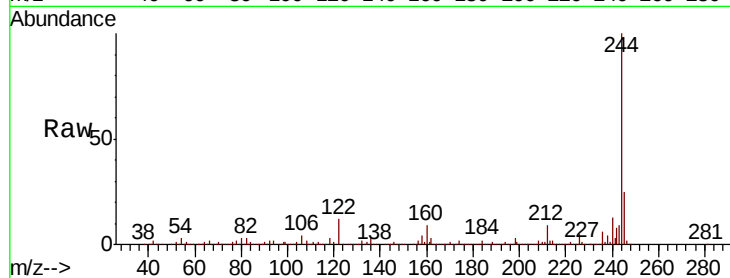
Tot Ion:184 Resp: 30505

Ion Ratio Lower Upper

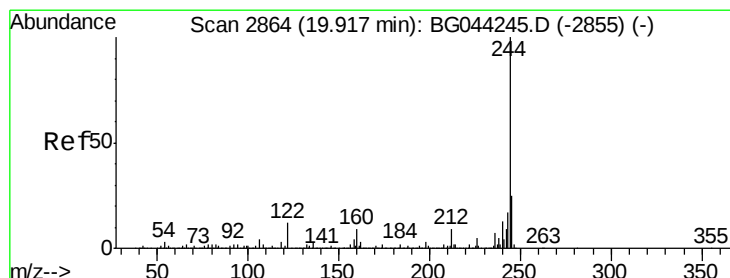
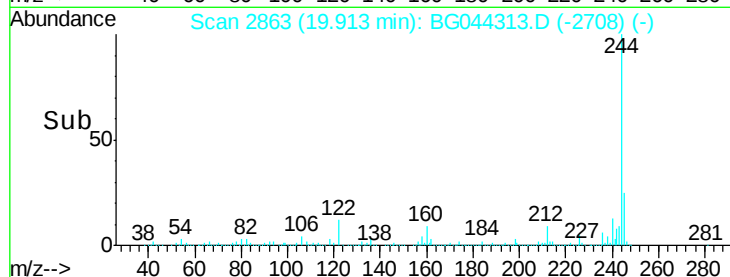
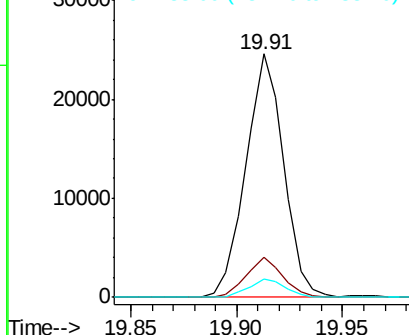
184 100

185 16.4 12.9 19.3

183 7.7 10.8 16.2#



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: 80.657 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG044313.D

Acq: 5 Feb 2020 20:43

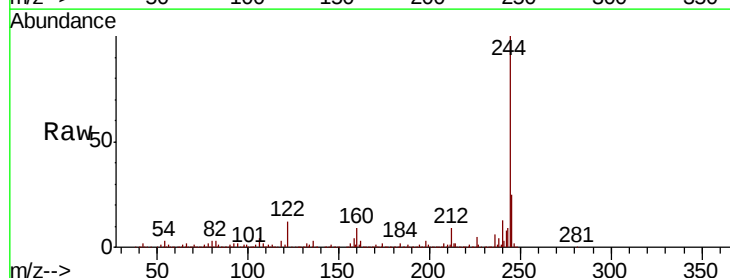
Tgt Ion:244 Resp: 1882620

Ion Ratio Lower Upper

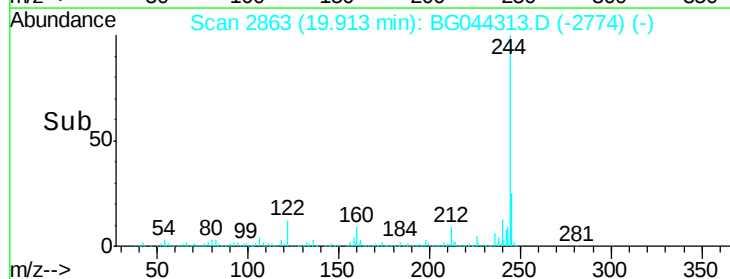
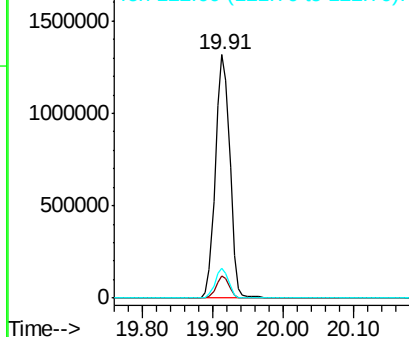
244 100

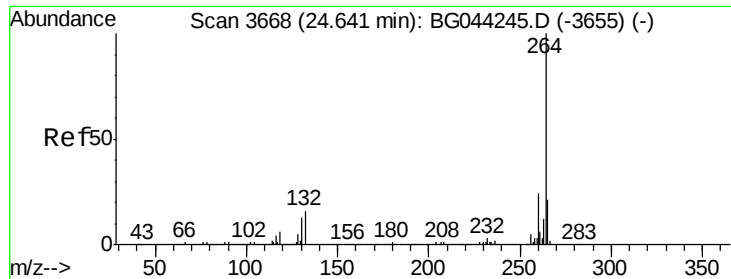
212 9.2 7.4 11.2

122 12.3 9.8 14.6



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: 24.64 min Scan# 3668
Delta R.T. 0.00 min
Lab File: BG044313.D
Acq: 5 Feb 2020 20:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.8	16.7	25.1

