

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
 Data File : BG044484.D
 Acq On : 18 Feb 2020 22:36
 Operator : CG/JU
 Sample : PB126892TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 19 01:21:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

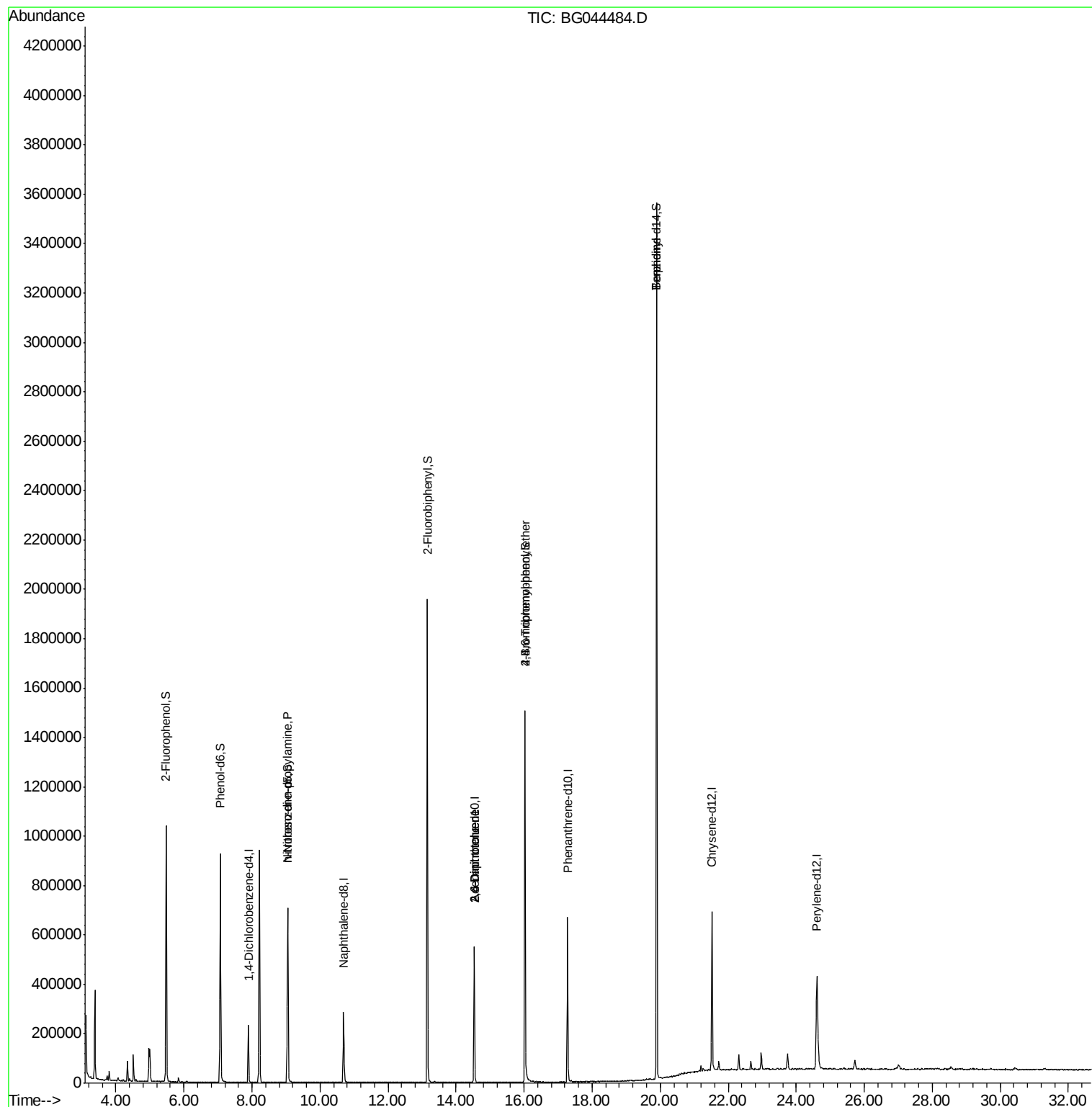
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	69056	20.00	ng	-0.01
21) Naphthalene-d8	10.69	136	284015	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	199036	20.00	ng	-0.01
64) Phenanthrene-d10	17.28	188	430251	20.00	ng	-0.01
76) Chrysene-d12	21.53	240	393632	20.00	ng	-0.01
87) Perylene-d12	24.60	264	426665	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	510245	130.40	ng	0.00
7) Phenol-d6	7.07	99	599579	114.11	ng	0.00
23) Nitrobenzene-d5	9.05	82	475888	94.60	ng	-0.01
42) 2,4,6-Tribromophenol	16.03	330	331078	141.69	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	1091645	91.84	ng	0.00
79) Terphenyl-d14	19.90	244	1739112	90.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.05	70	61279	17.499	ng	# 77
51) 2,6-Dinitrotoluene	14.53	165	25878	8.112	ng	# 29
57) 2,4-Dinitrotoluene	14.53	165	25878	5.788	ng	# 26
67) 4-Bromophenyl-phenylether	16.03	248	22779	4.859	ng	# 1
77) Benzidine	19.90	184	29231	2.677	ng	# 92

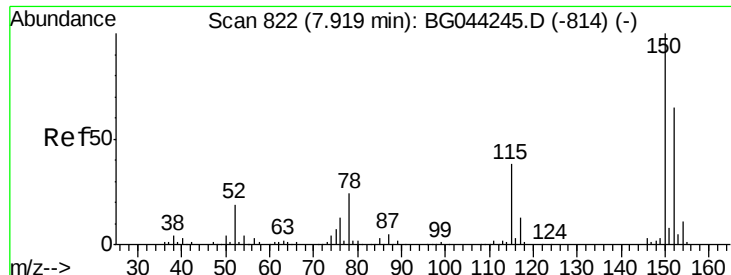
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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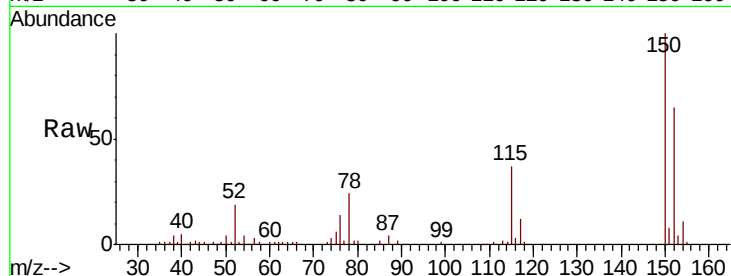




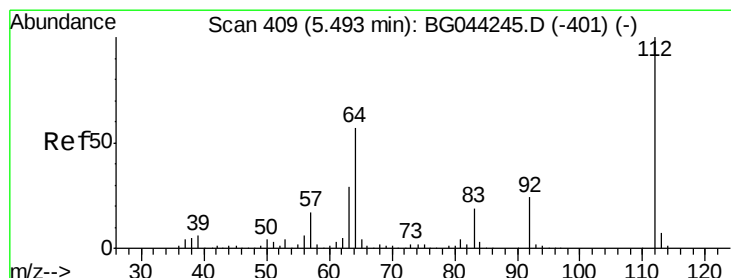
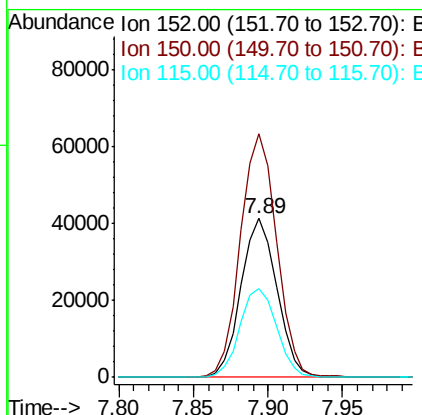
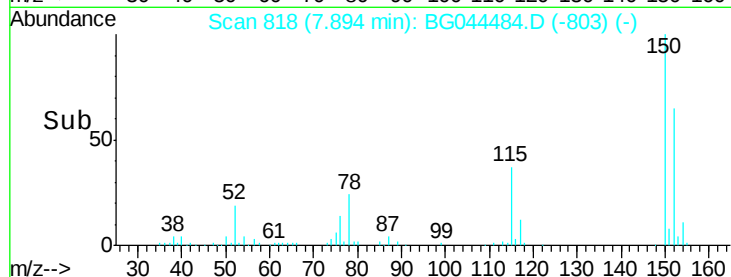
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BG044484.D
 Acq: 18 Feb 2020 22:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 69056
 Ion Ratio Lower Upper
 152 100
 150 153.5 122.6 183.8
 115 56.1 46.0 69.0

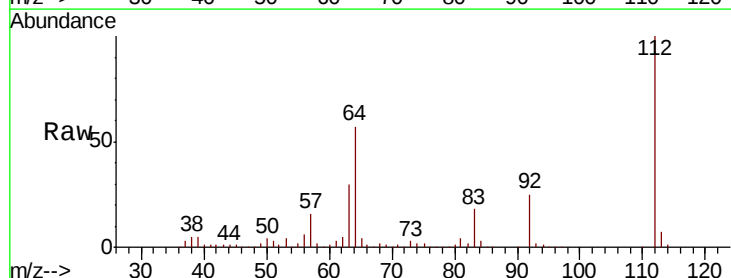


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

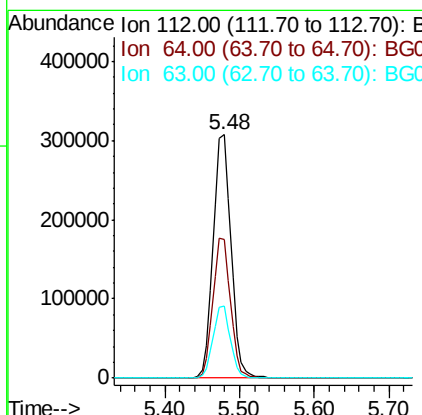
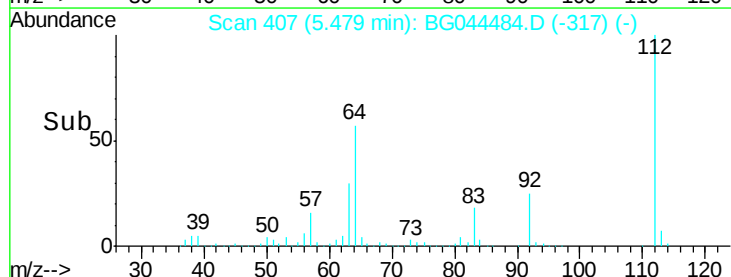


#5
 2-Fluorophenol
 Concen: 130.402 ng
 RT: 5.48 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: BG044484.D
 Acq: 18 Feb 2020 22:36

Tgt Ion:112 Resp: 510245
 Ion Ratio Lower Upper
 112 100
 64 57.1 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): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 114.110 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.01 min

Lab File: BG044484.D

Acq: 18 Feb 2020 22:36

Instrument :

BNA_G

ClientSampleId :

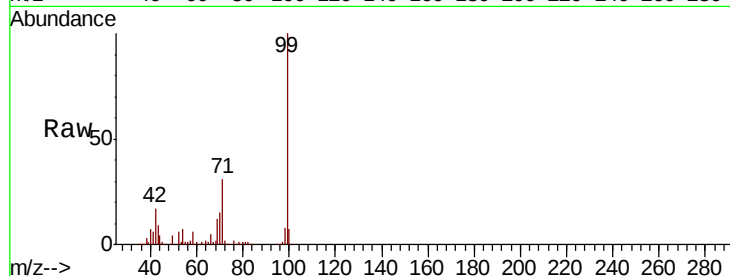
Tot Ion: 99 Resp: 599579

Ion Ratio Lower Upper

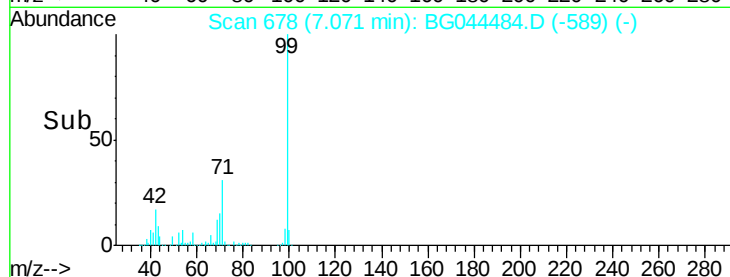
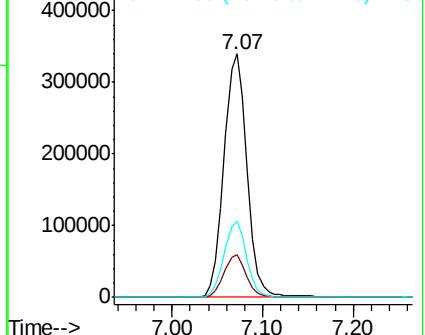
99 100

42 17.4 13.8 20.6

71 31.2 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: 17.499 ng

RT: 9.05 min Scan# 1015

Delta R.T. 0.34 min

Lab File: BG044484.D

Acq: 18 Feb 2020 22:36

Tgt Ion: 70 Resp: 61279

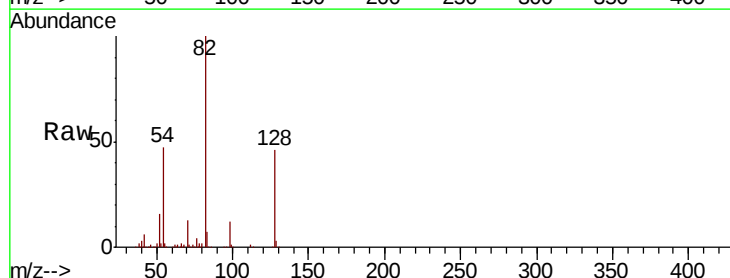
Ion Ratio Lower Upper

70 100

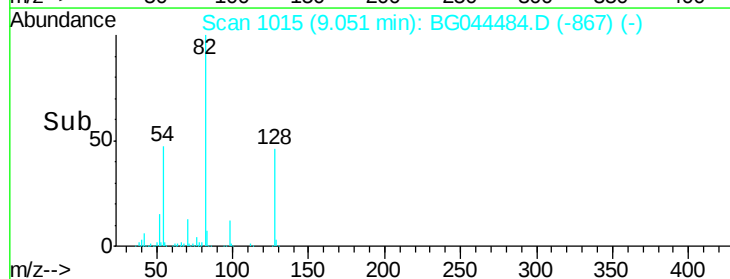
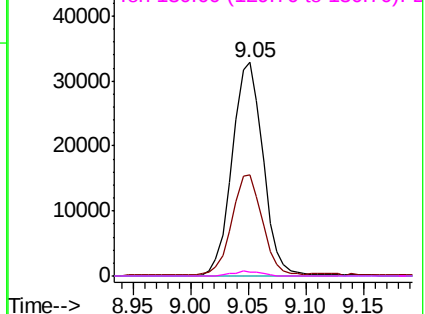
42 47.1 46.2 69.2

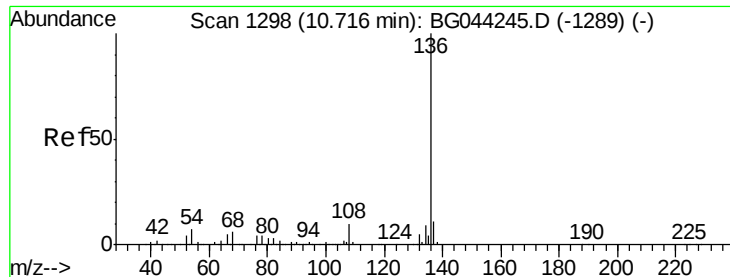
101 0.0 8.4 12.6#

130 2.0 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

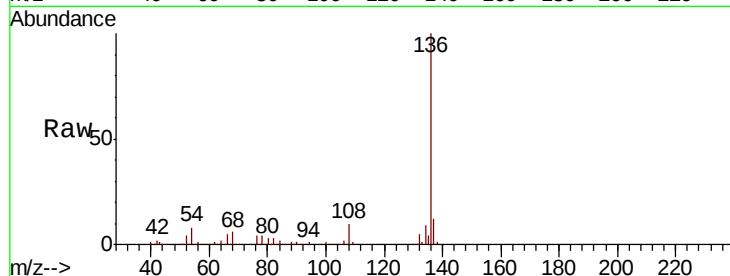




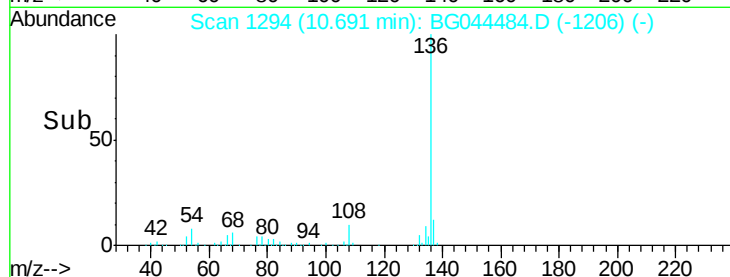
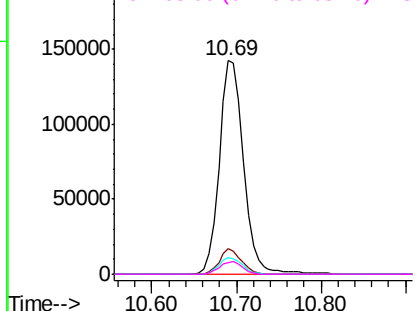
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044484.D
Acq: 18 Feb 2020 22:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	284015
Ion	Ratio	Lower Upper
136	100	
137	11.9	8.8 13.2
54	7.8	5.8 8.8
68	5.7	4.6 6.8

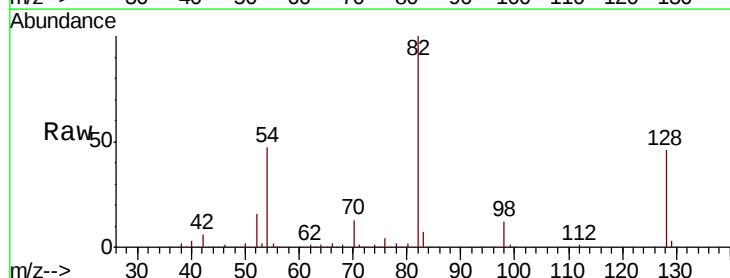


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

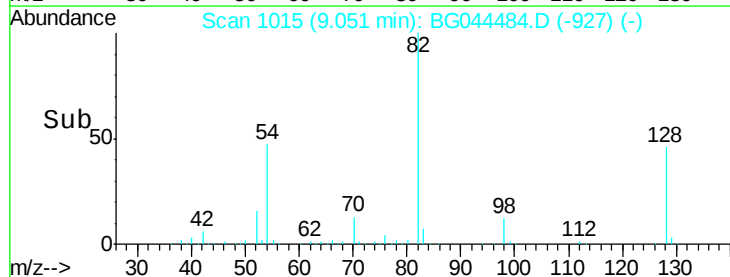
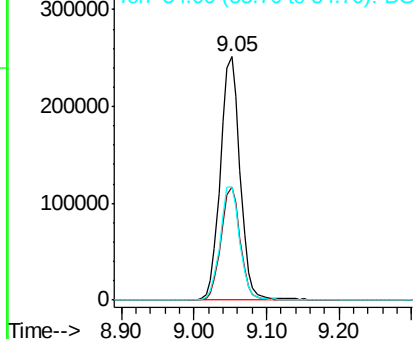


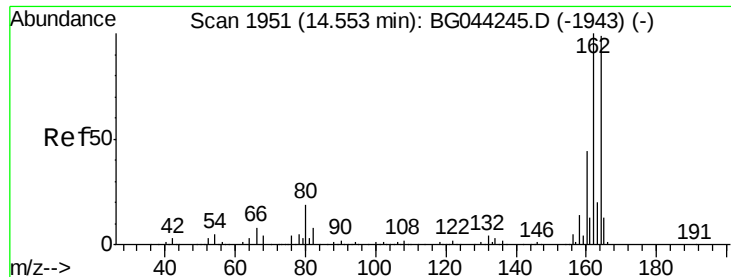
#23
Nitrobenzene-d5
Concen: 94.597 ng
RT: 9.05 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BG044484.D
Acq: 18 Feb 2020 22:36

Tgt Ion: 82	Resp:	475888
Ion	Ratio	Lower Upper
82	100	
128	46.3	36.5 54.7
54	46.5	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

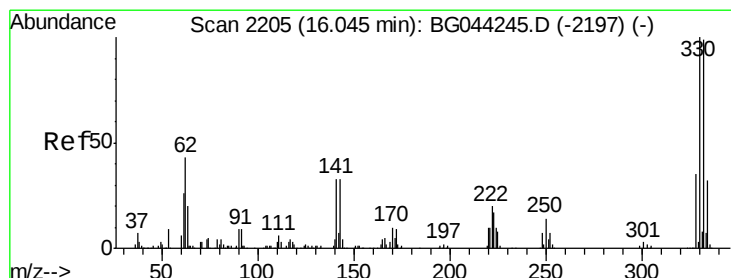
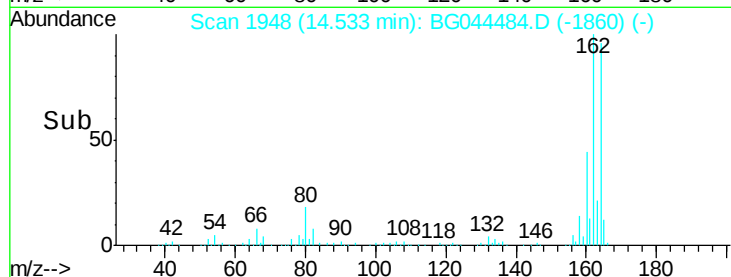
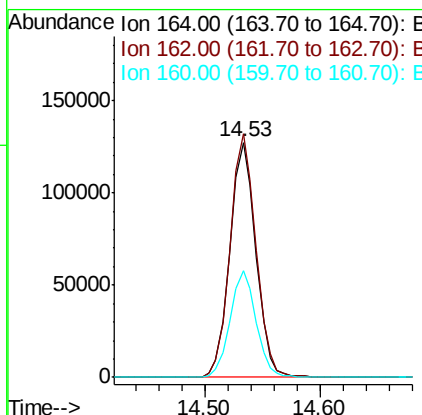
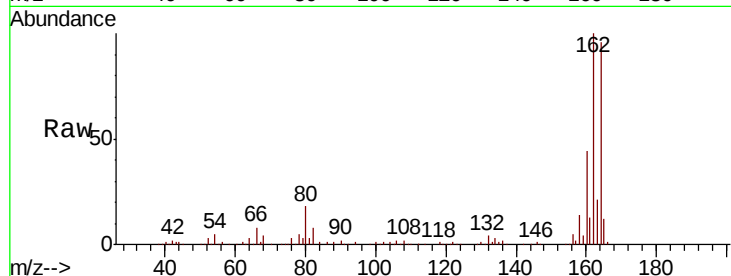




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG044484.D
Acq: 18 Feb 2020 22:36

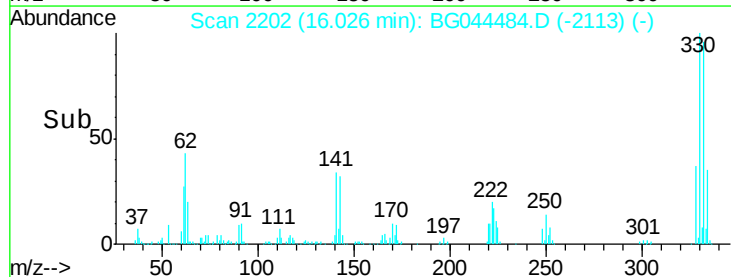
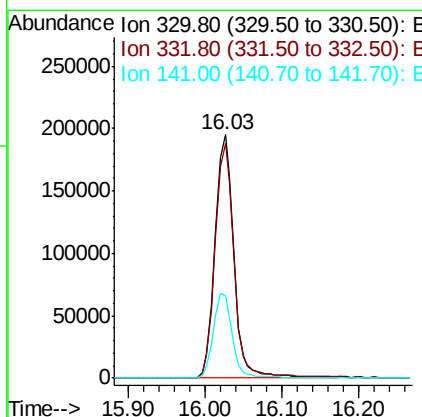
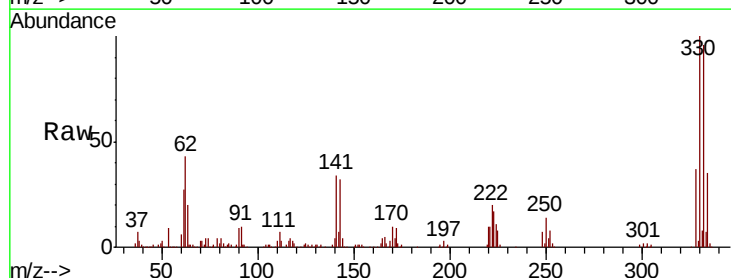
Instrument :
BNA_G
ClientSampleId :

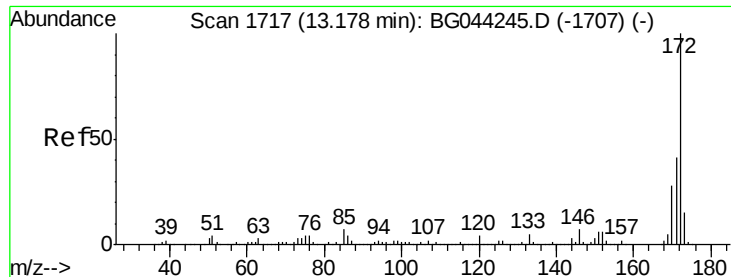
Tot Ion:164 Resp: 199036
Ion Ratio Lower Upper
164 100
162 103.7 80.7 121.1
160 45.2 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 141.694 ng
RT: 16.03 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BG044484.D
Acq: 18 Feb 2020 22:36

Tgt Ion:330 Resp: 331078
Ion Ratio Lower Upper
330 100
332 95.7 77.2 115.8
141 35.2 28.3 42.5



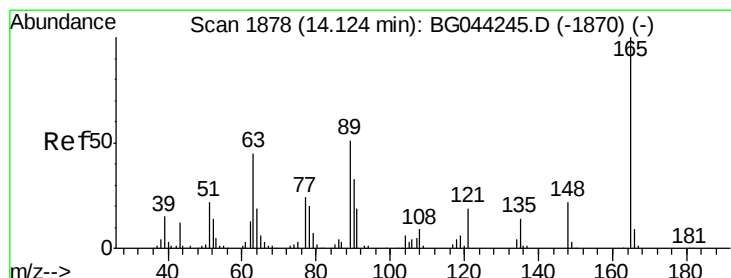
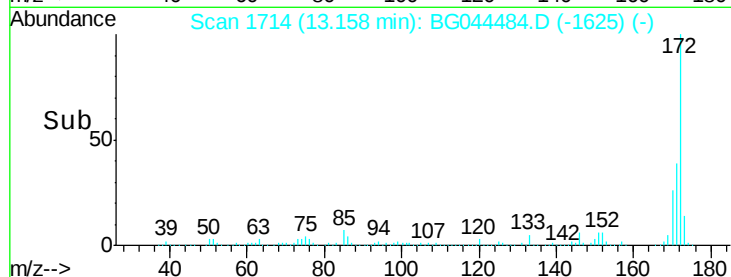
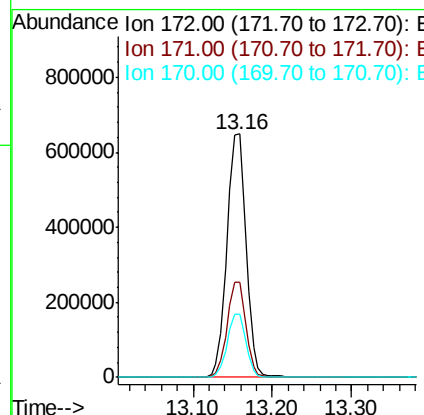
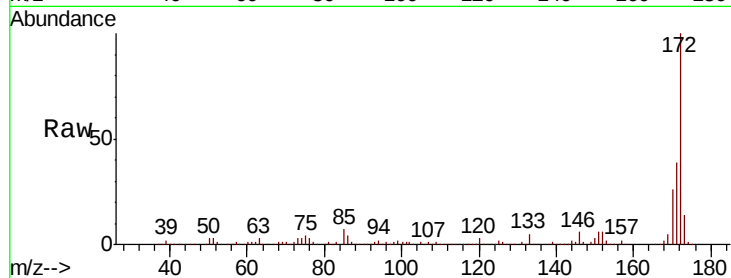


#45
 2-Fluorobiphenyl
 Concen: 91.844 ng
 RT: 13.16 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG044484.D
 Acq: 18 Feb 2020 22:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1091645

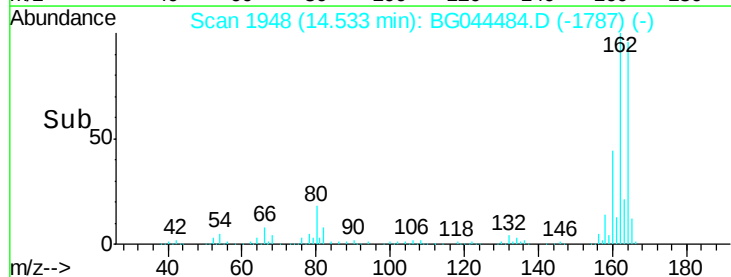
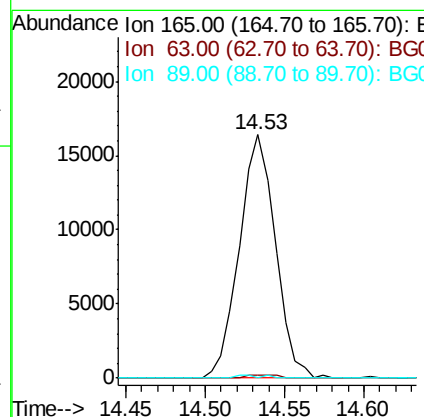
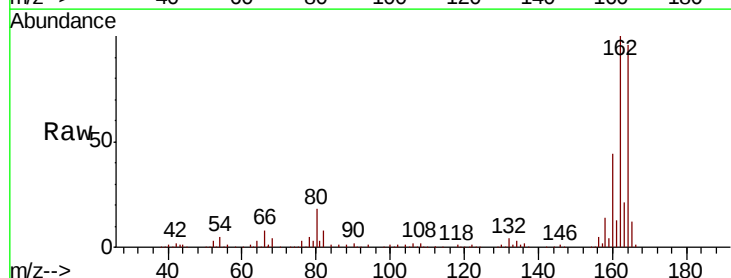
Ion	Ratio	Lower	Upper
172	100		
171	38.9	32.9	49.3
170	26.1	22.0	33.0

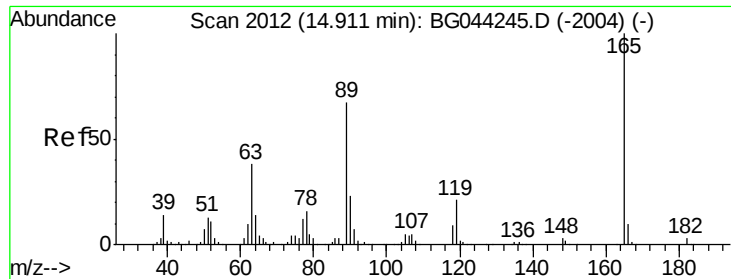


#51
 2,6-Dinitrotoluene
 Concen: 8.112 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG044484.D
 Acq: 18 Feb 2020 22:36

Tgt Ion:165 Resp: 25878

Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.7	58.1#
89	0.0	40.4	60.6#

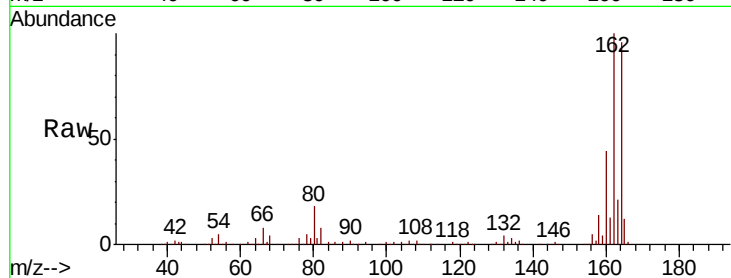




#57
 2,4-Dinitrotoluene
 Concen: 5.788 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG044484.D
 Acq: 18 Feb 2020 22:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	30.3	45.5#
89	0.0	53.4	80.2#
182	0.0	2.1	3.1#

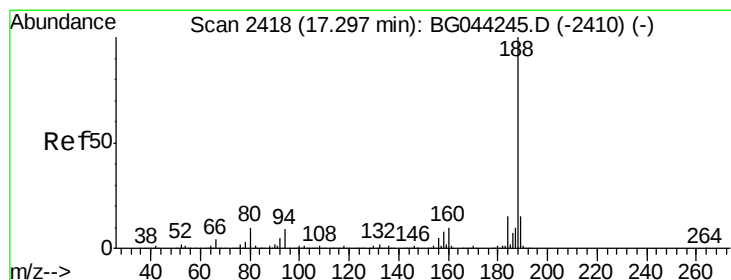
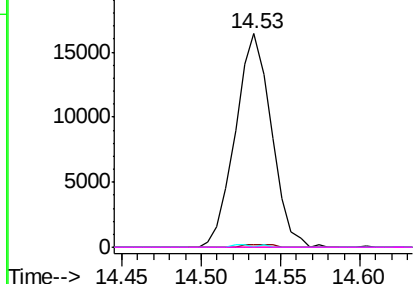
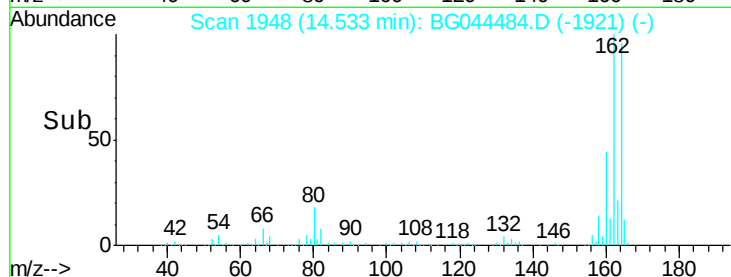


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

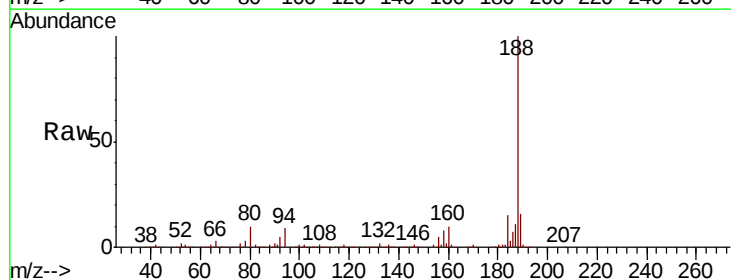
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.28 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BG044484.D
 Acq: 18 Feb 2020 22:36

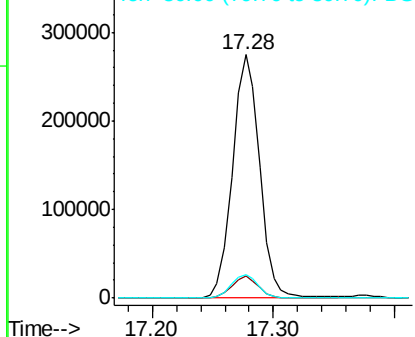
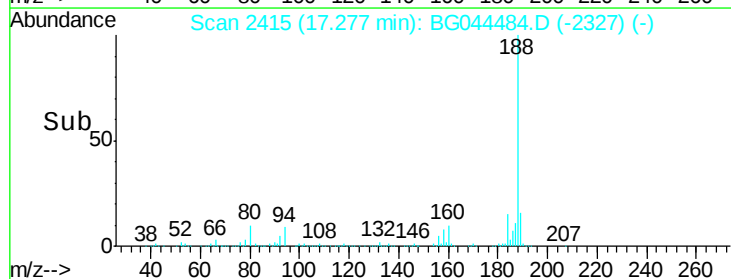
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	9.6	7.7	11.5

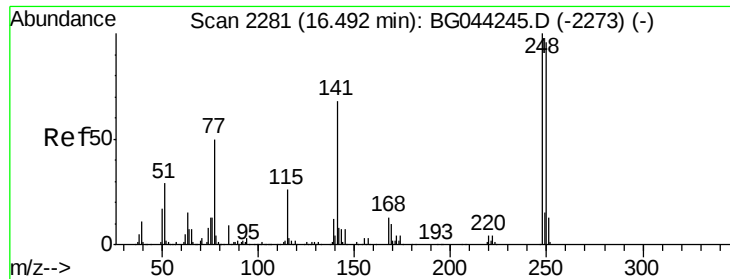


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

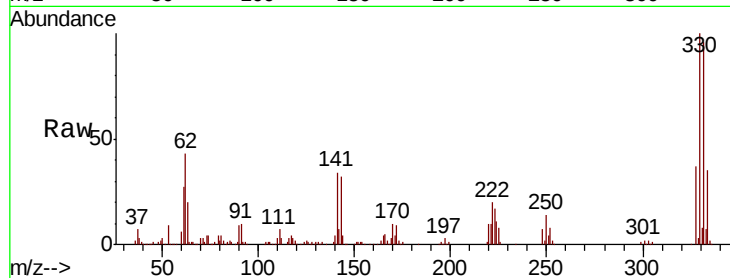




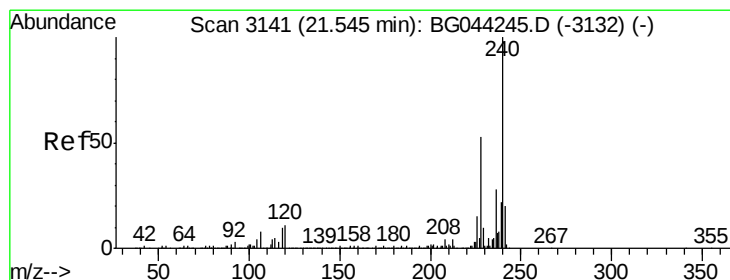
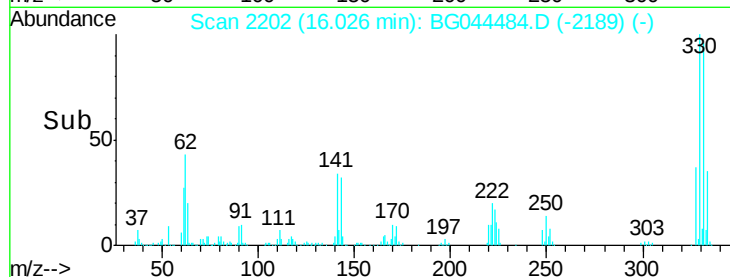
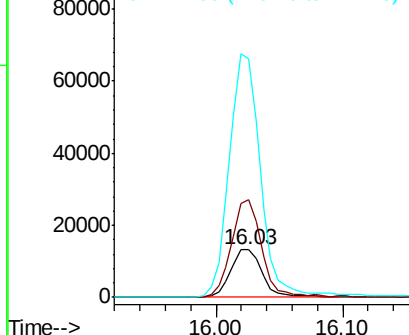
#67
 4-Bromophenyl-phenylether
 Concen: 4.859 ng
 RT: 16.03 min Scan# 2202
 Delta R.T. -0.45 min
 Lab File: BG044484.D
 Acq: 18 Feb 2020 22:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 22779
 Ion Ratio Lower Upper
 248 100
 250 205.3 76.6 114.8#
 141 500.6 54.7 82.1#

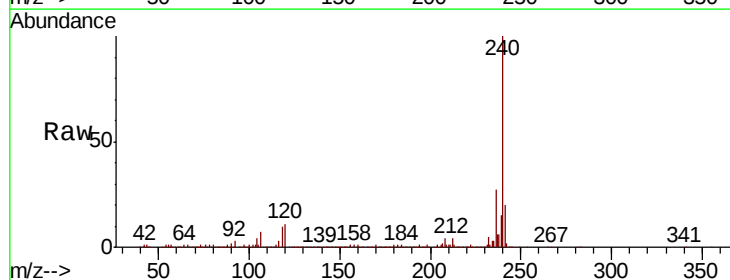


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

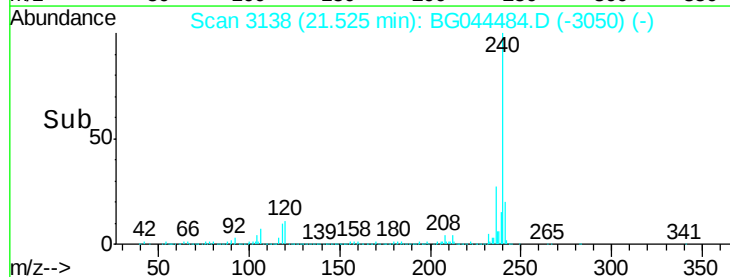
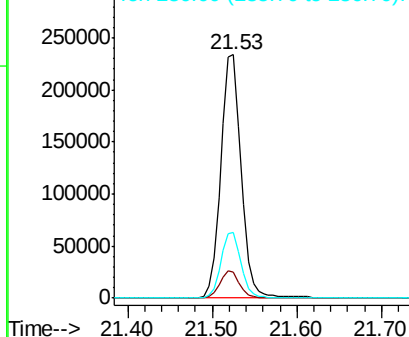


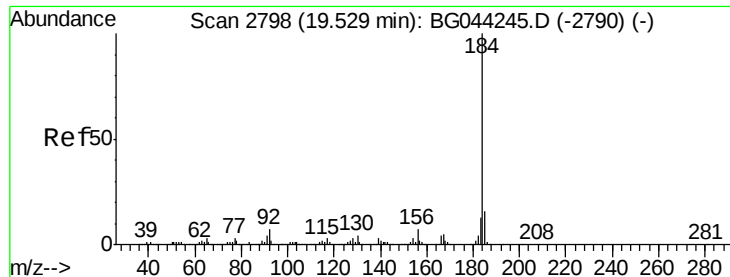
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.53 min Scan# 3138
 Delta R.T. -0.01 min
 Lab File: BG044484.D
 Acq: 18 Feb 2020 22:36

Tgt Ion:240 Resp: 393632
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.4 12.6
 236 27.1 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: 2.677 ng

RT: 19.90 min Scan# 2861

Delta R.T. 0.38 min

Lab File: BG044484.D

Acq: 18 Feb 2020 22:36

Instrument :

BNA_G

ClientSampled :

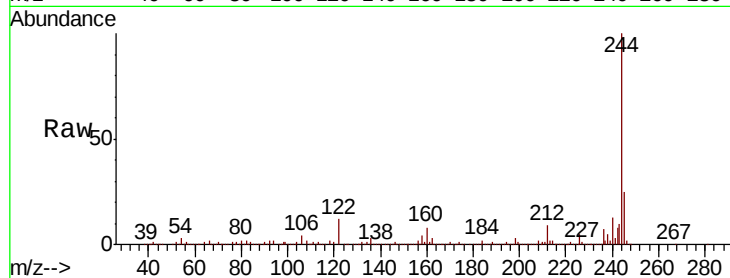
Tot Ion:184 Resp: 29231

Ion Ratio Lower Upper

184 100

185 16.3 12.9 19.3

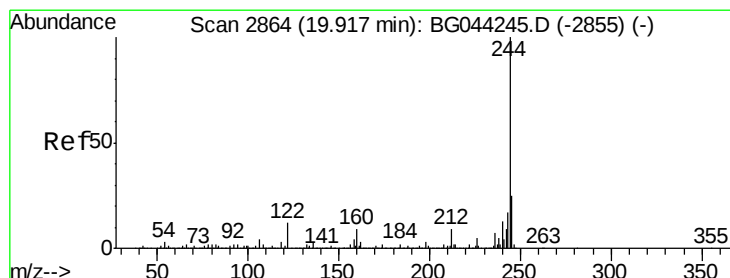
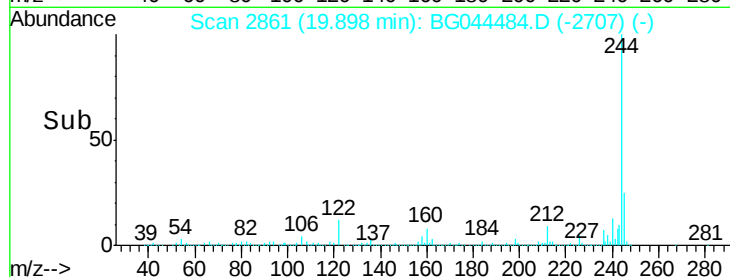
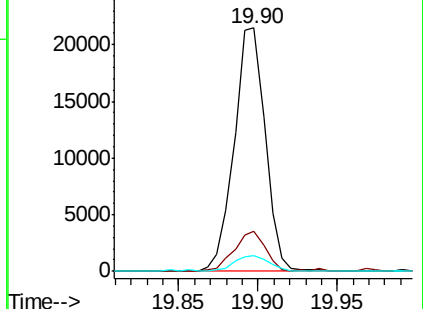
183 6.5 10.8 16.2#



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: 90.875 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG044484.D

Acq: 18 Feb 2020 22:36

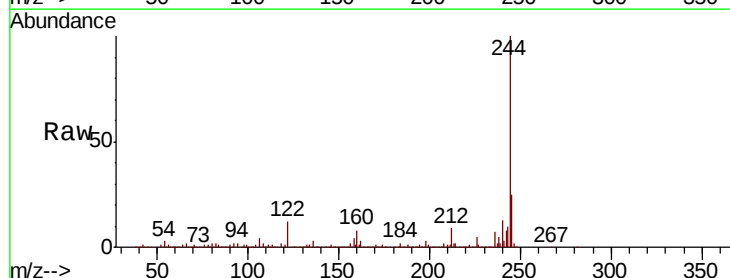
Tgt Ion:244 Resp: 1739112

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.2

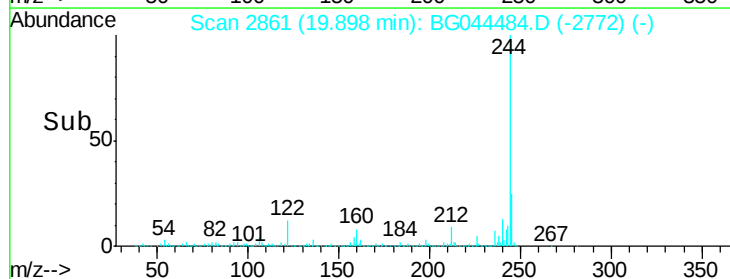
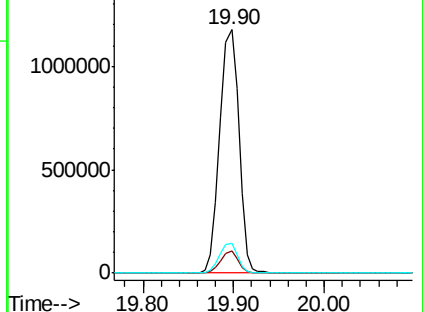
122 12.0 9.8 14.6

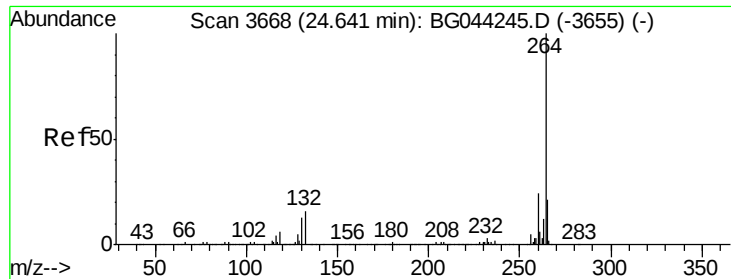


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.60 min Scan# 3662
Delta R.T. -0.02 min
Lab File: BG044484.D
Acq: 18 Feb 2020 22:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	21.6	16.7	25.1

