

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
 Data File : BG044391.D
 Acq On : 11 Feb 2020 16:25
 Operator : CG/JU
 Sample : PB126734BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB126734BL

Quant Time: Feb 12 03:06:31 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

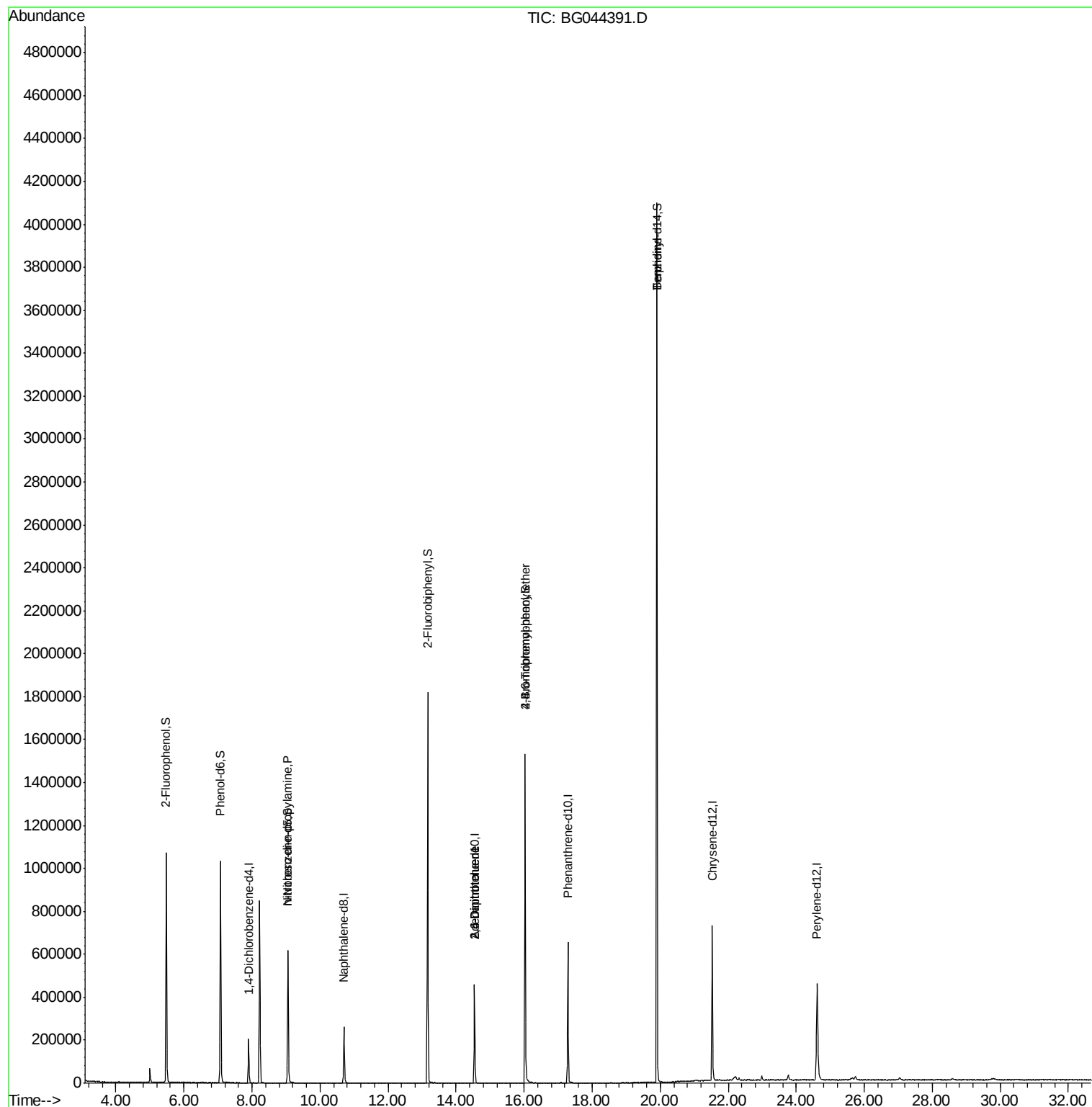
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	62394	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	255585	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	171224	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	439275	20.00	ng	0.00
76) Chrysene-d12	21.53	240	453782	20.00	ng	0.00
87) Perylene-d12	24.62	264	463422	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	529956	149.90	ng	0.00
7) Phenol-d6	7.08	99	686473	144.60	ng	0.00
23) Nitrobenzene-d5	9.06	82	413743	91.39	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	305799	152.13	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	985989	96.43	ng	0.00
79) Terphenyl-d14	19.90	244	1885249	85.45	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	53539	16.921	ng	# 75
51) 2,6-Dinitrotoluene	14.55	165	22281	8.119	ng	# 29
57) 2,4-Dinitrotoluene	14.55	165	22281	5.793	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	20443	4.272	ng	# 1
77) Benzidine	19.90	184	31723	2.520	ng	# 91

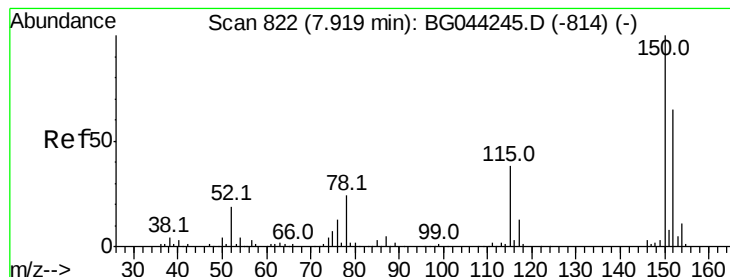
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.90 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG044391.D

Acq: 11 Feb 2020 16:25

Instrument :

BNA_G

ClientSampleId :

PB126734BL

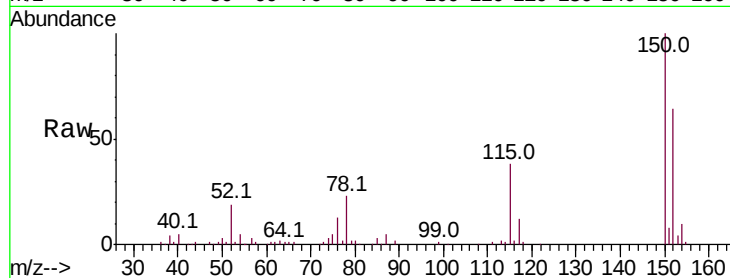
Tot Ion:152 Resp: 62394

Ion Ratio Lower Upper

152 100

150 156.8 122.6 183.8

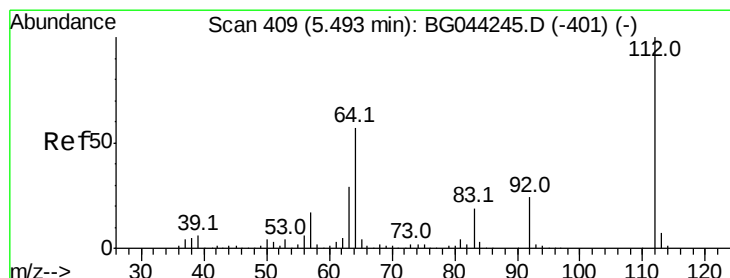
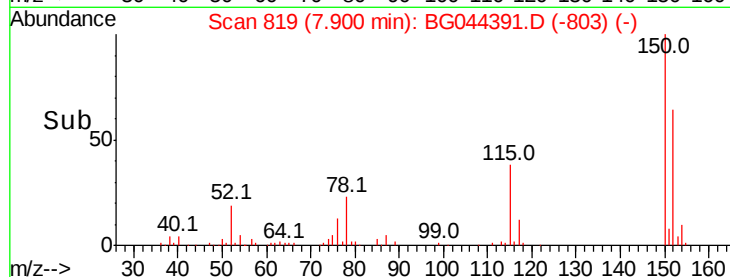
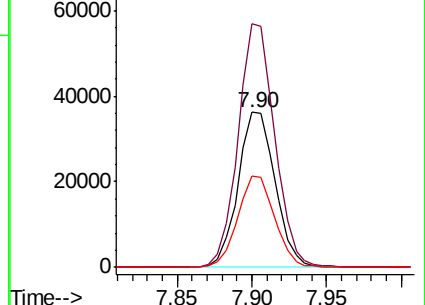
115 59.0 46.0 69.0



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: 149.900 ng

RT: 5.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: BG044391.D

Acq: 11 Feb 2020 16:25

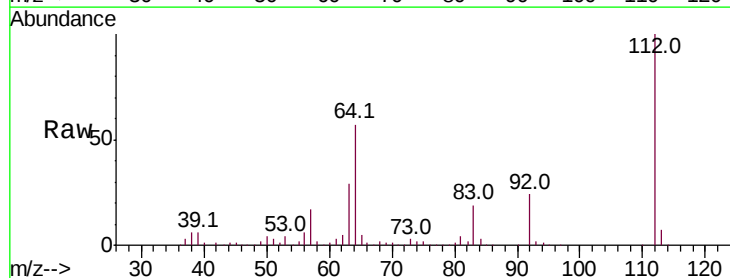
Tgt Ion:112 Resp: 529956

Ion Ratio Lower Upper

112 100

64 56.7 45.4 68.2

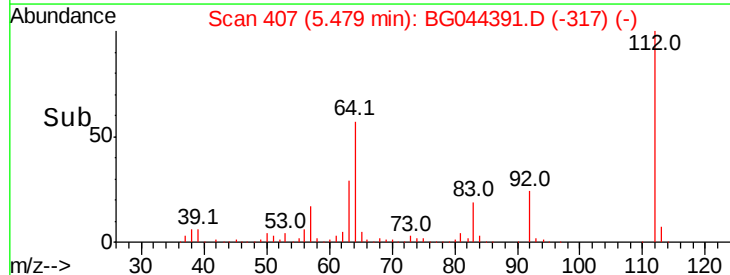
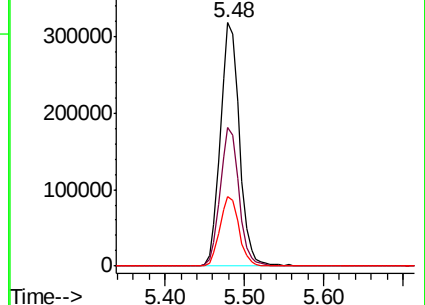
63 28.7 22.9 34.3

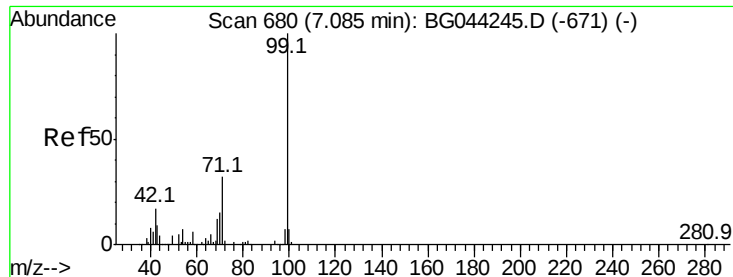


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 144.597 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044391.D

Acq: 11 Feb 2020 16:25

Instrument :

BNA_G

ClientSampleId :

PB126734BL

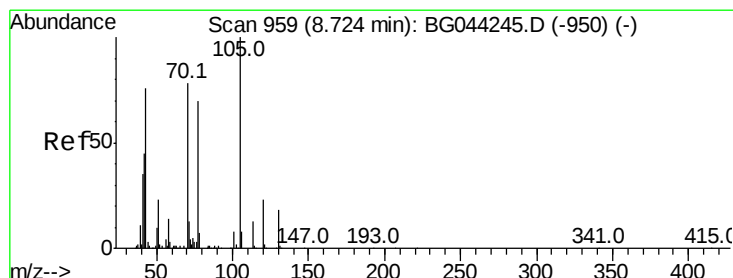
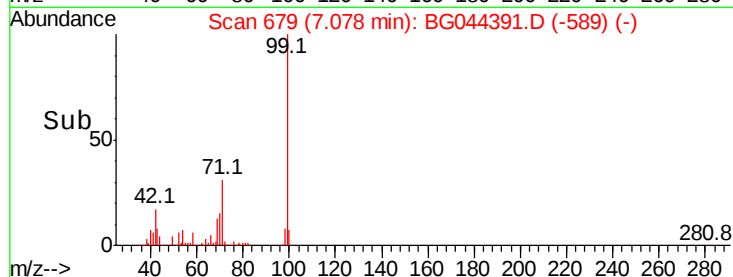
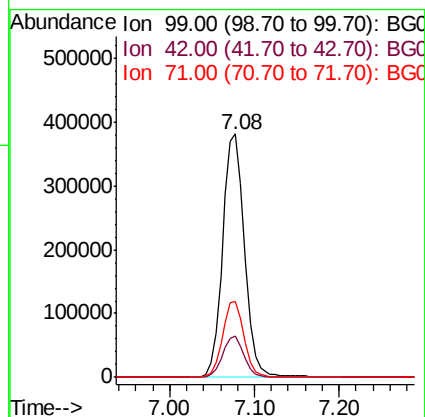
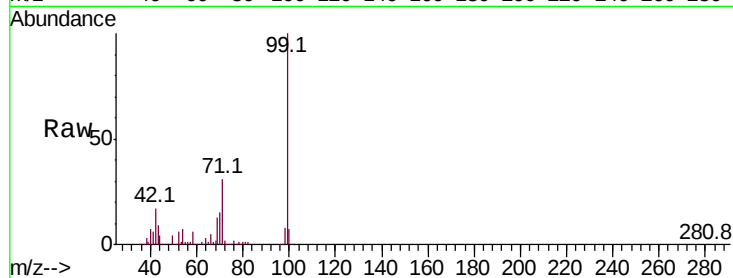
Tot Ion: 99 Resp: 686473

Ion Ratio Lower Upper

99 100

42 16.8 13.8 20.6

71 31.2 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.921 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044391.D

Acq: 11 Feb 2020 16:25

Tgt Ion: 70 Resp: 53539

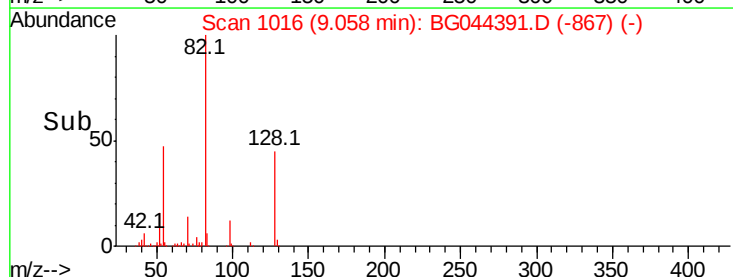
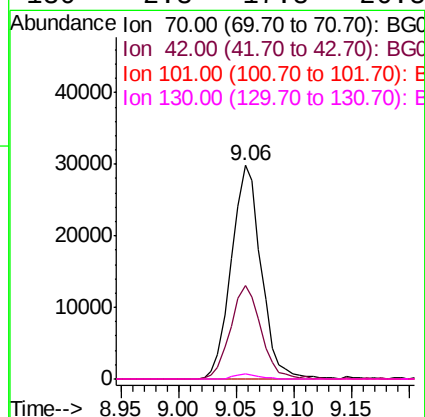
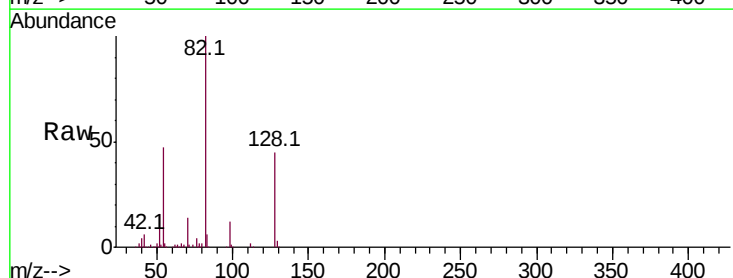
Ion Ratio Lower Upper

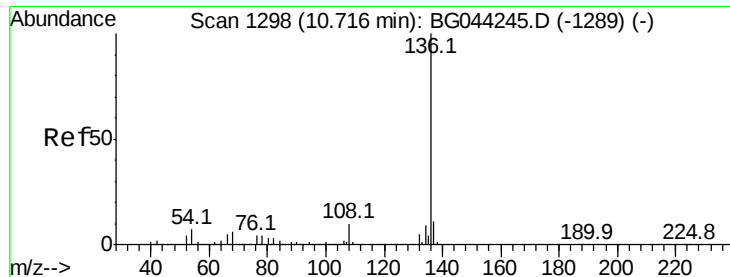
70 100

42 44.0 46.2 69.2#

101 0.0 8.4 12.6#

130 2.3 17.8 26.8#

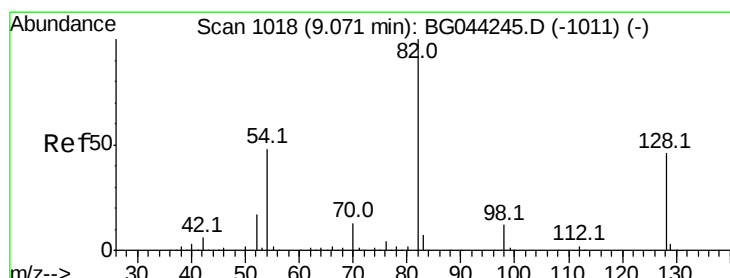
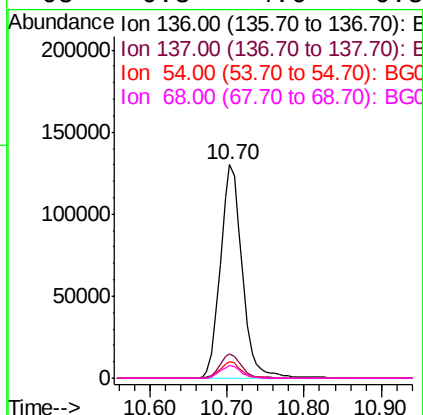
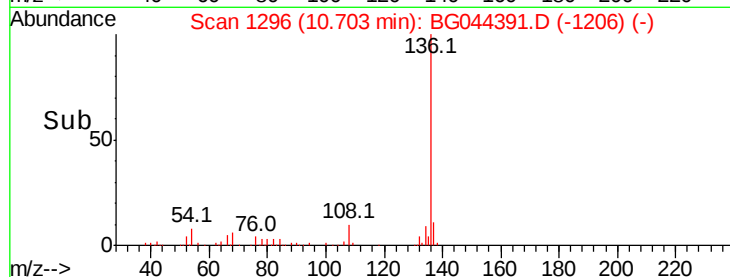
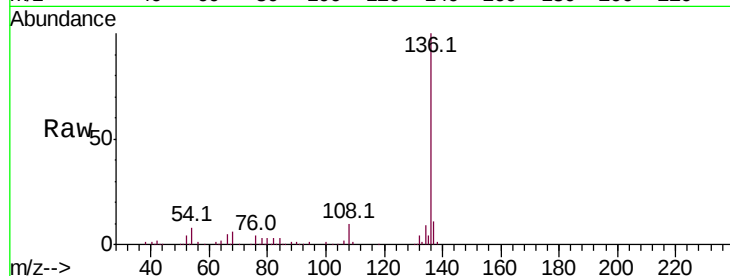




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044391.D
Acq: 11 Feb 2020 16:25

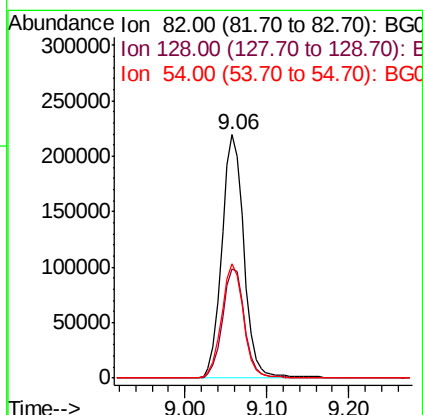
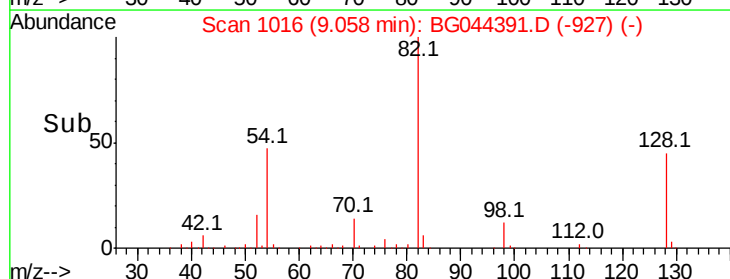
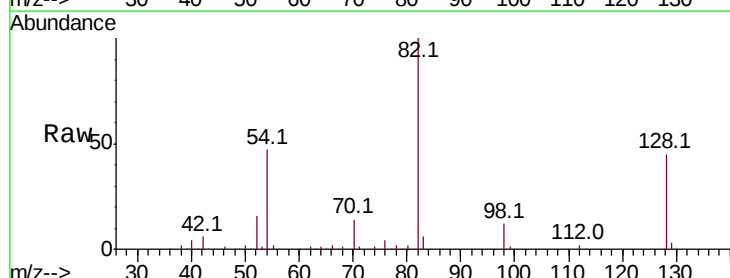
Instrument :
BNA_G
ClientSampleId :
PB126734BL

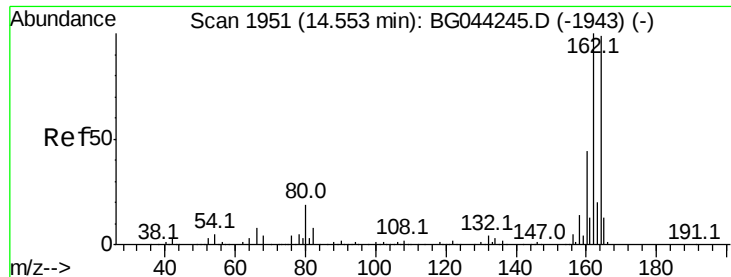
Tot Ion:136	Resp:	255585
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.8 13.2
54	7.7	5.8 8.8
68	6.3	4.6 6.8



#23
Nitrobenzene-d5
Concen: 91.392 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG044391.D
Acq: 11 Feb 2020 16:25

Tgt Ion: 82	Resp:	413743
Ion Ratio	Lower	Upper
82	100	
128	44.9	36.5 54.7
54	46.8	38.6 58.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG044391.D

Acq: 11 Feb 2020 16:25

Instrument :

BNA_G

ClientSampleId :

PB126734BL

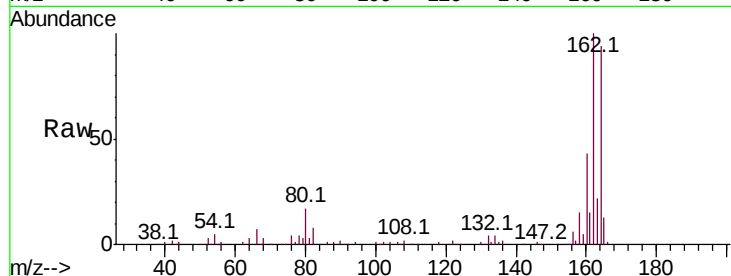
Tot Ion:164 Resp: 171224

Ion Ratio Lower Upper

164 100

162 105.9 80.7 121.1

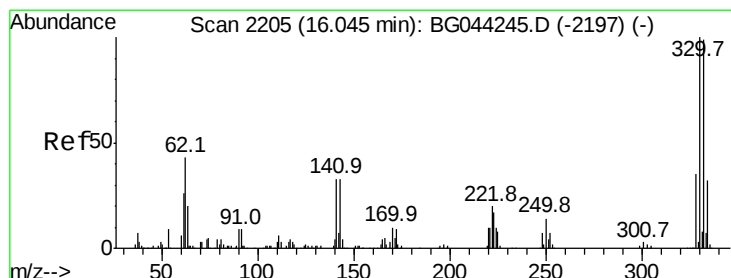
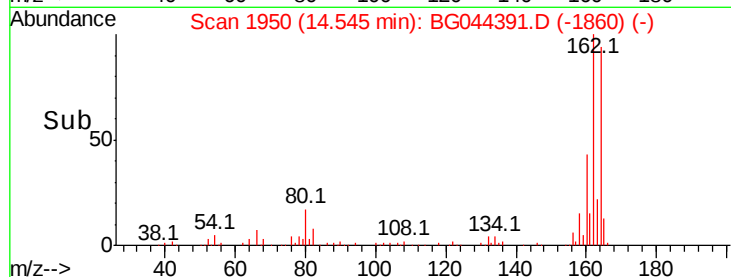
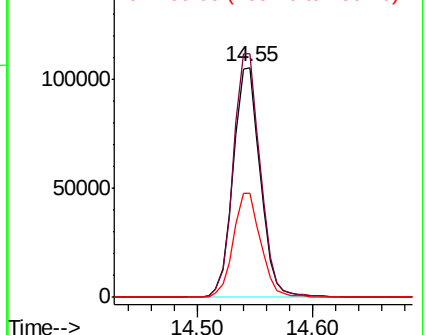
160 45.3 35.3 52.9



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: 152.133 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044391.D

Acq: 11 Feb 2020 16:25

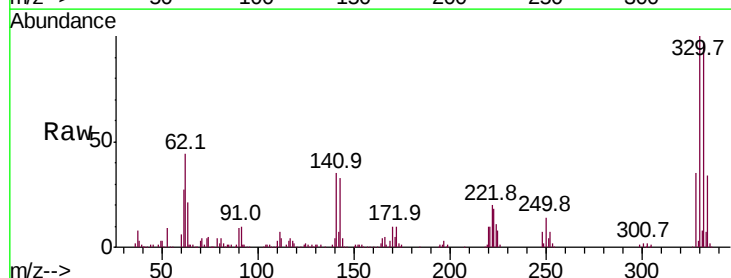
Tgt Ion:330 Resp: 305799

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

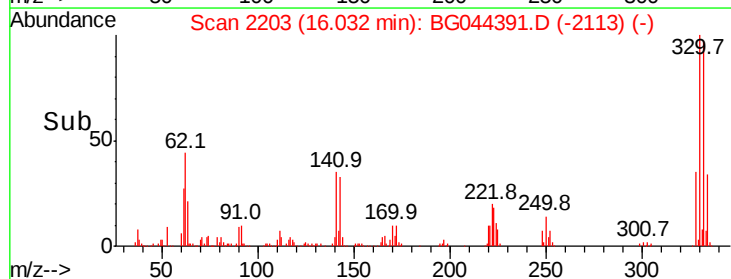
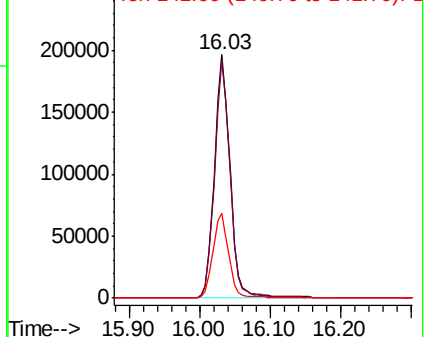
141 35.4 28.3 42.5

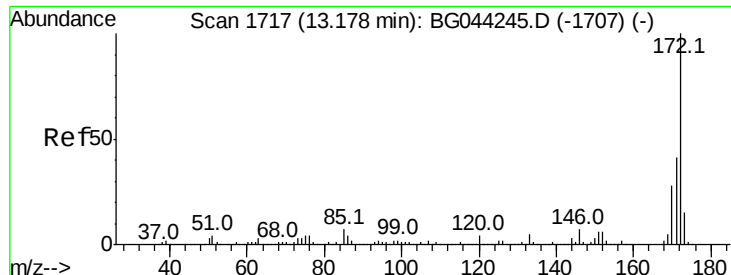


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

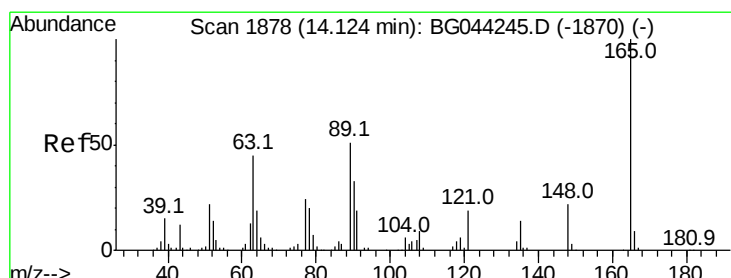
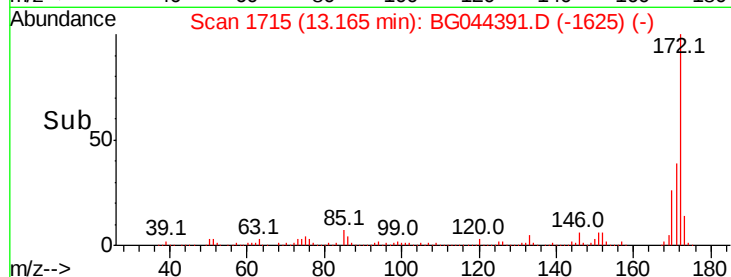
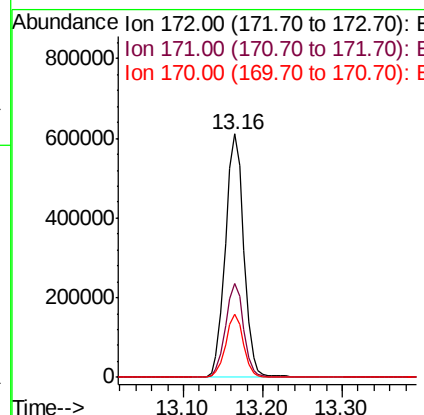
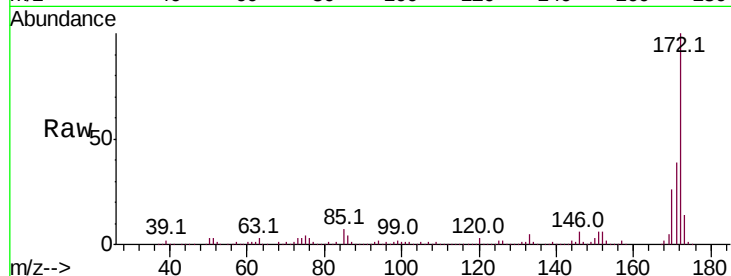




#45
 2-Fluorobiphenyl
 Concen: 96.429 ng
 RT: 13.16 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BG044391.D
 Acq: 11 Feb 2020 16:25

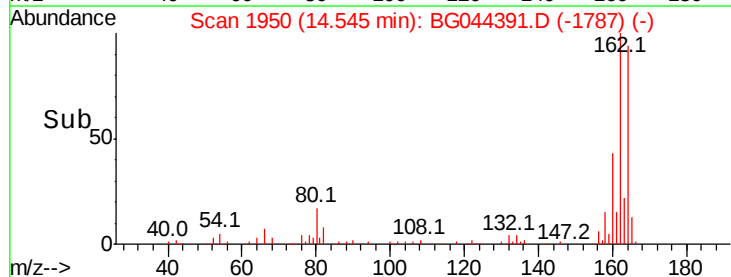
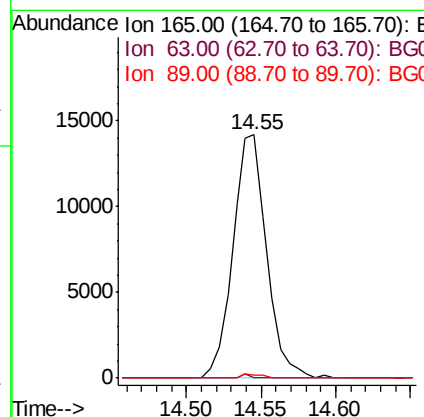
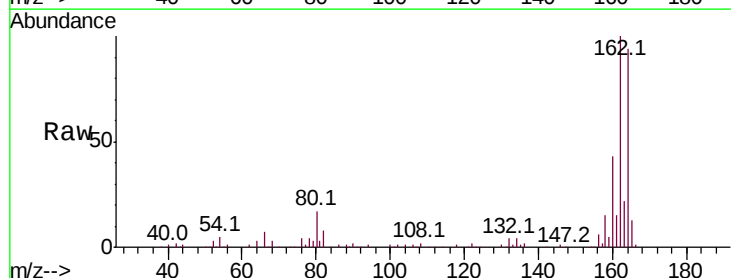
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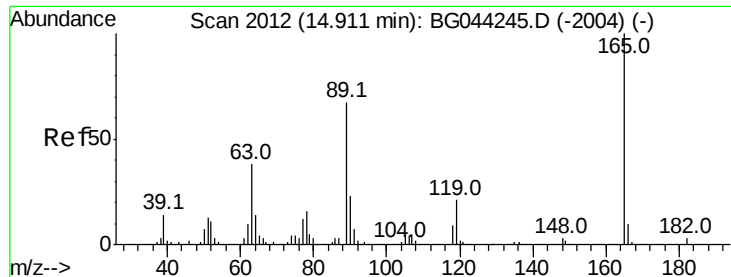
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.6	32.9	49.3
170	25.7	22.0	33.0



#51
 2,6-Dinitrotoluene
 Concen: 8.119 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. 0.43 min
 Lab File: BG044391.D
 Acq: 11 Feb 2020 16:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.4	40.4	60.6#

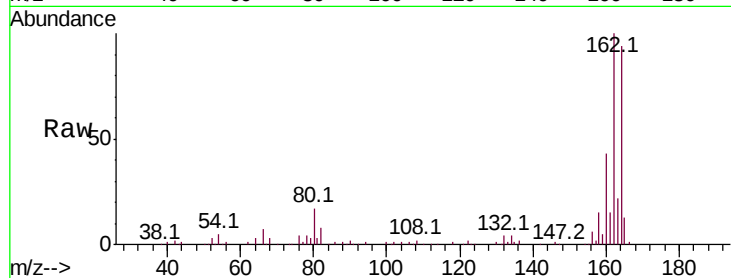




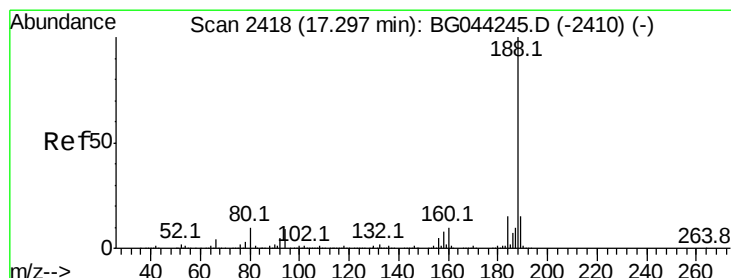
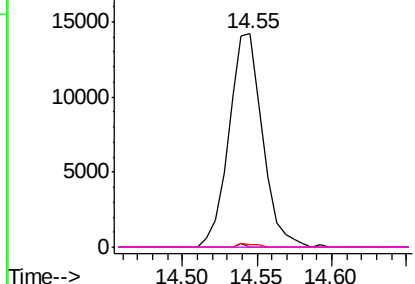
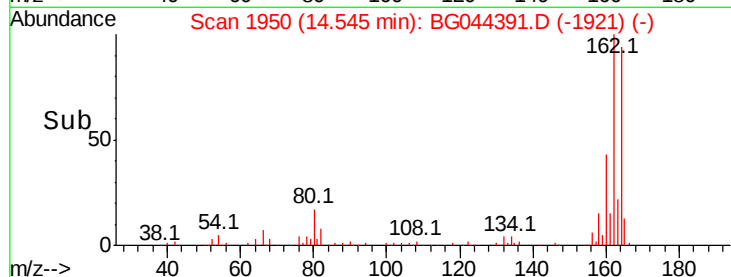
#57
 2,4-Dinitrotoluene
 Concen: 5.793 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. -0.36 min
 Lab File: BG044391.D
 Acq: 11 Feb 2020 16:25

Instrument :
 BNA_G
 ClientSampleId :
 PB126734BL

Tot Ion:165 Resp: 22281
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.3 45.5#
 89 1.4 53.4 80.2#
 182 0.0 2.1 3.1#

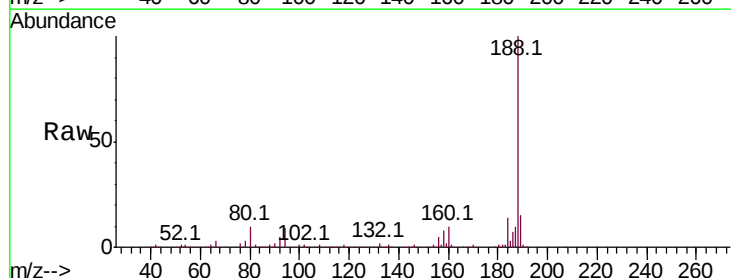


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

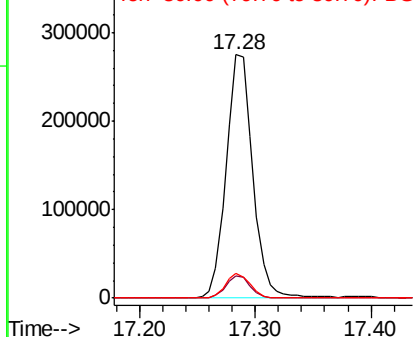
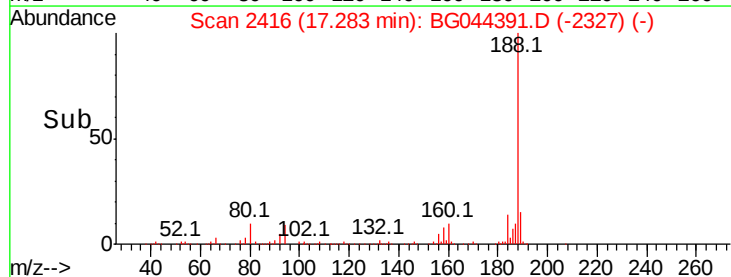


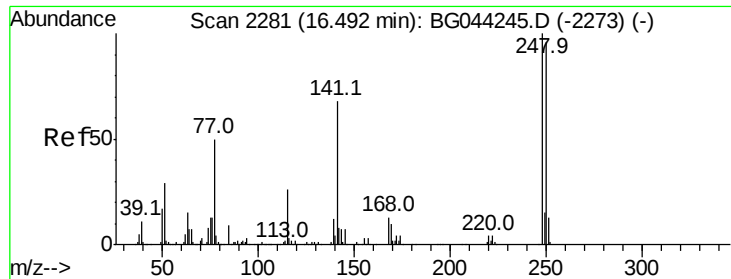
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.28 min Scan# 2416
 Delta R.T. -0.01 min
 Lab File: BG044391.D
 Acq: 11 Feb 2020 16:25

Tgt Ion:188 Resp: 439275
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.4 11.2
 80 10.1 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

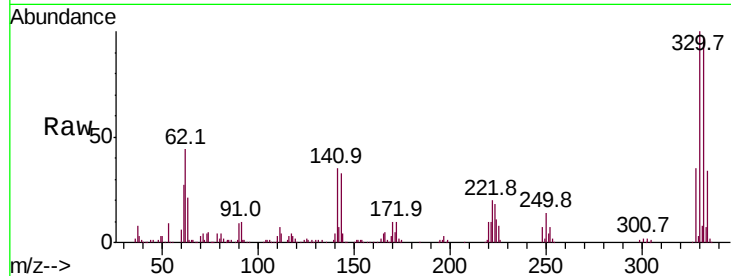




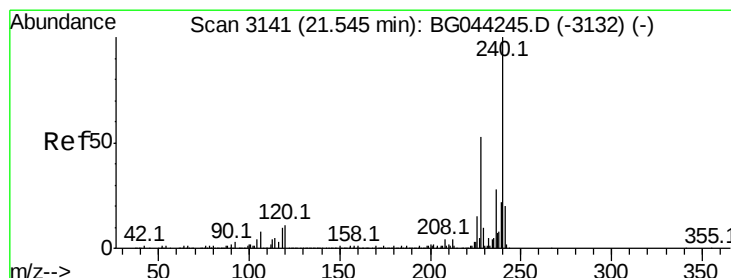
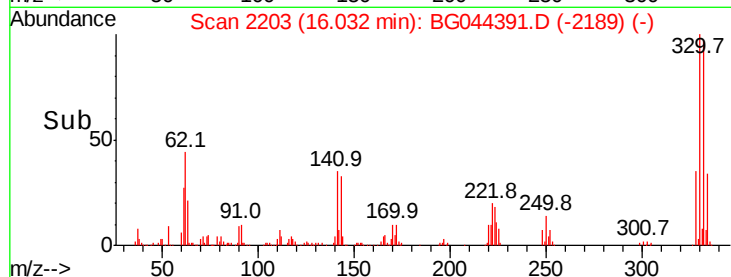
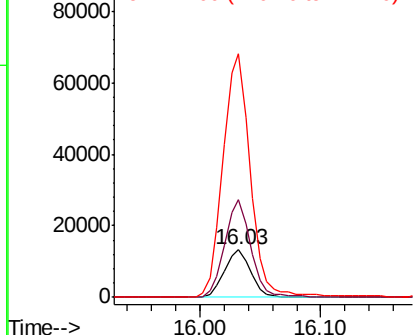
#67
 4-Bromophenyl-phenylether
 Concen: 4.272 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. -0.45 min
 Lab File: BG044391.D
 Acq: 11 Feb 2020 16:25

Instrument :
 BNA_G
 ClientSampleId :
 PB126734BL

Tot Ion:248 Resp: 20443
 Ion Ratio Lower Upper
 248 100
 250 205.0 76.6 114.8#
 141 512.1 54.7 82.1#

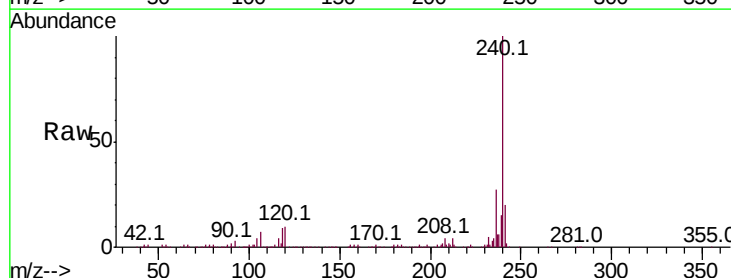


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

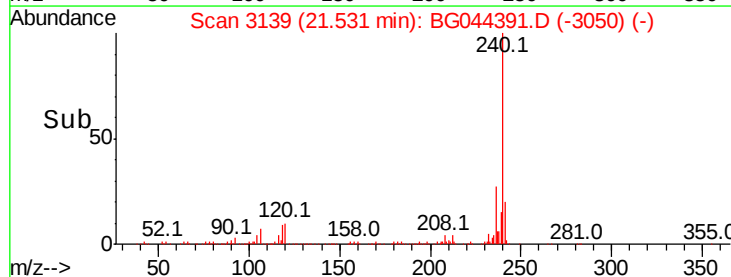
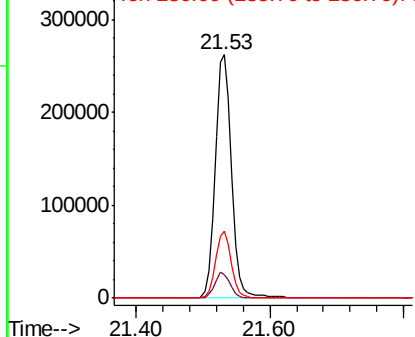


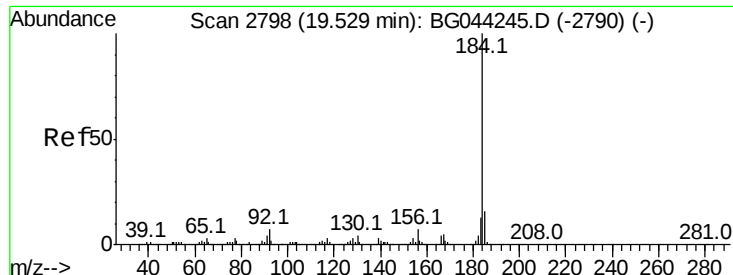
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.53 min Scan# 3139
 Delta R.T. -0.01 min
 Lab File: BG044391.D
 Acq: 11 Feb 2020 16:25

Tgt Ion:240 Resp: 453782
 Ion Ratio Lower Upper
 240 100
 120 9.5 8.4 12.6
 236 27.3 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: 2.520 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.38 min

Lab File: BG044391.D

Acq: 11 Feb 2020 16:25

Instrument :

BNA_G

ClientSampleId :

PB126734BL

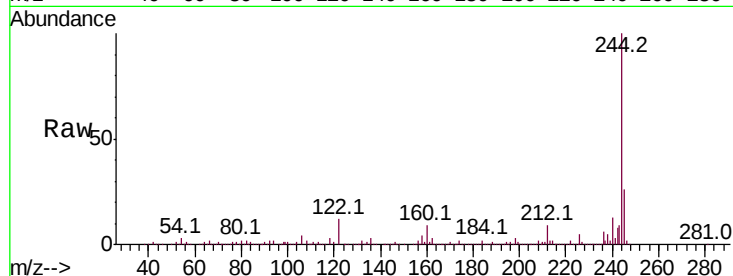
Tot Ion:184 Resp: 31723

Ion Ratio Lower Upper

184 100

185 16.2 12.9 19.3

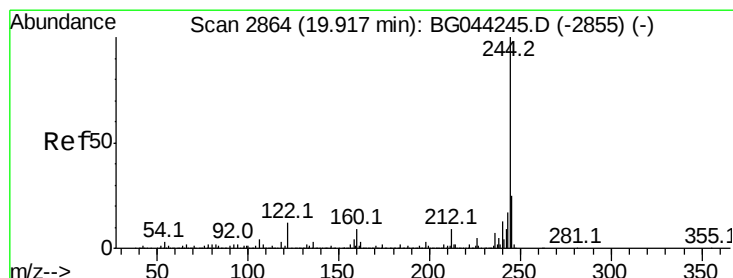
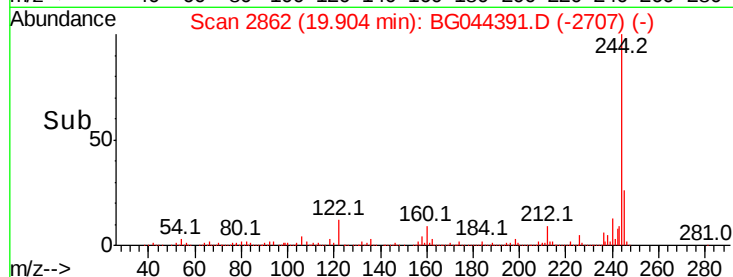
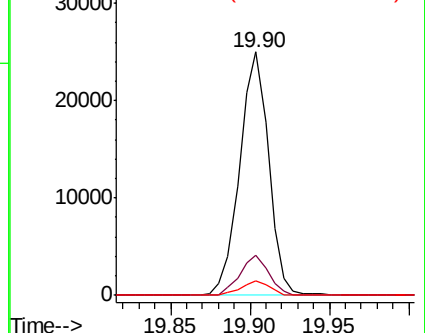
183 6.1 10.8 16.2#



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: 85.453 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044391.D

Acq: 11 Feb 2020 16:25

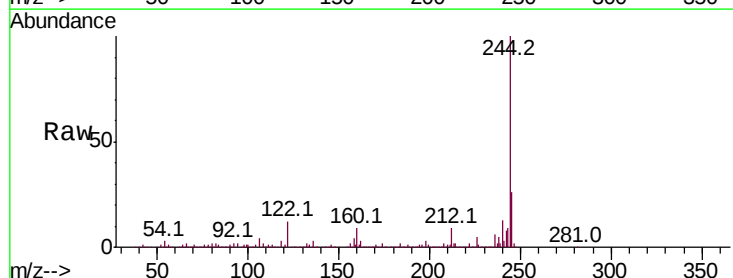
Tgt Ion:244 Resp: 1885249

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.2

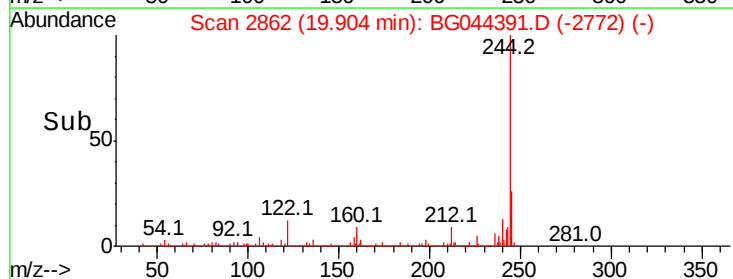
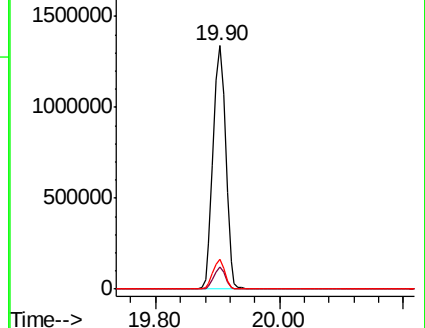
122 12.3 9.8 14.6

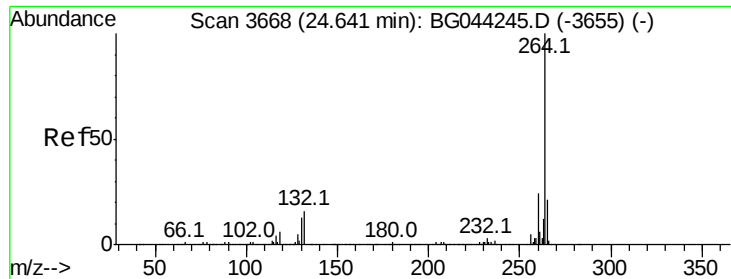


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.62 min Scan# 3664
Delta R.T. -0.01 min
Lab File: BG044391.D
Acq: 11 Feb 2020 16:25

Instrument :
BNA_G
ClientSampleId :
PB126734BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.4	16.7	25.1

