

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102219\
 Data File : BG043305.D
 Acq On : 22 Oct 2019 13:52
 Operator : JU
 Sample : PB123887BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB123887BL

Quant Time: Oct 22 18:26:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

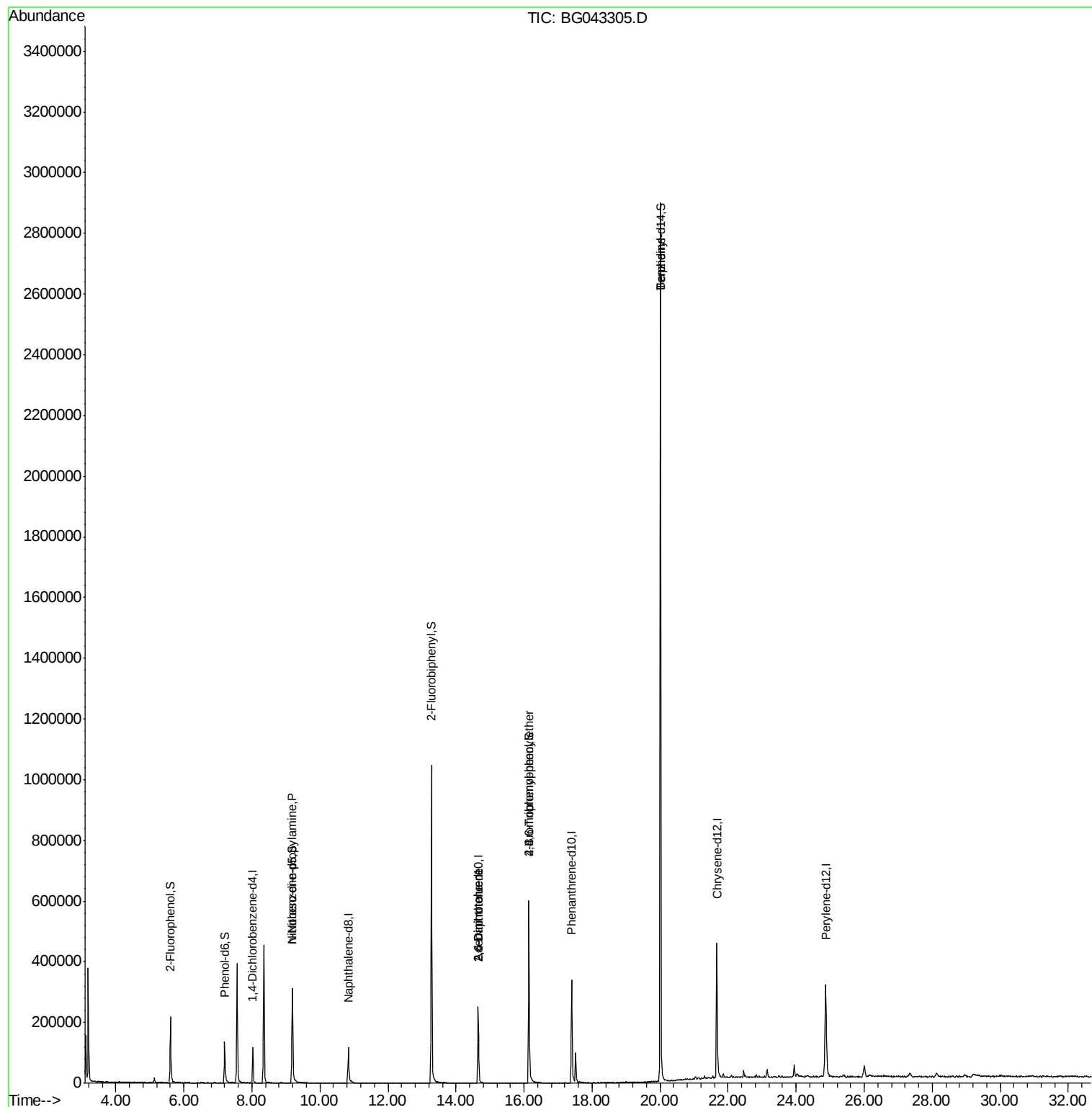
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	36351	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	121076	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	103009	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	278107	20.00	ng	0.00
76) Chrysene-d12	21.67	240	337487	20.00	ng	0.00
87) Perylene-d12	24.87	264	376752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	108855	54.87	ng	0.00
7) Phenol-d6	7.20	99	93028	32.59	ng	0.00
23) Nitrobenzene-d5	9.18	82	227786	96.99	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	158068	80.64	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	654044	87.74	ng	0.00
79) Terphenyl-d14	20.01	244	1597325	88.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	33120	17.958	ng	# 74
51) 2,6-Dinitrotoluene	14.65	165	13722	7.916	ng	# 25
57) 2,4-Dinitrotoluene	14.65	165	13723	5.540	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	9948	2.658	ng	# 1
77) Benzidine	20.01	184	23917	3.521	ng	95

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

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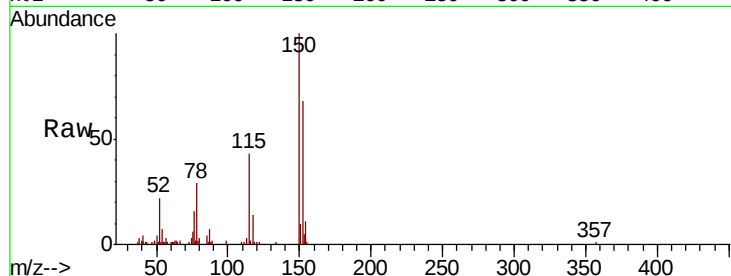


#1

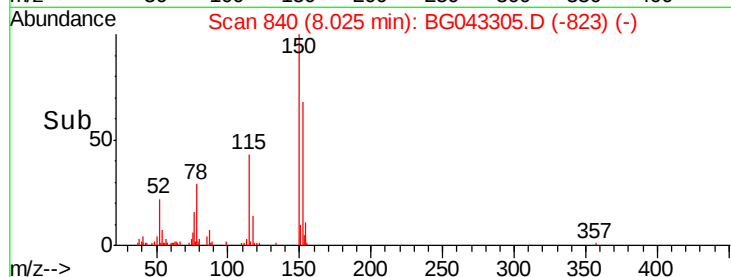
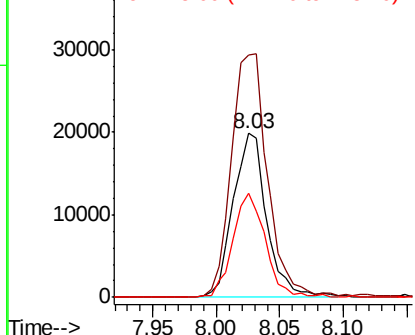
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043305.D
Acq: 22 Oct 2019 13:52

Instrument :
BNA_G
ClientSampleId :
PB123887BL

Tot Ion:152 Resp: 36351
Ion Ratio Lower Upper
152 100
150 147.5 113.6 170.4
115 63.1 45.9 68.9



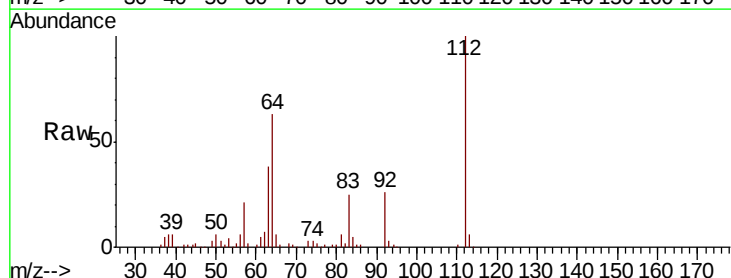
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



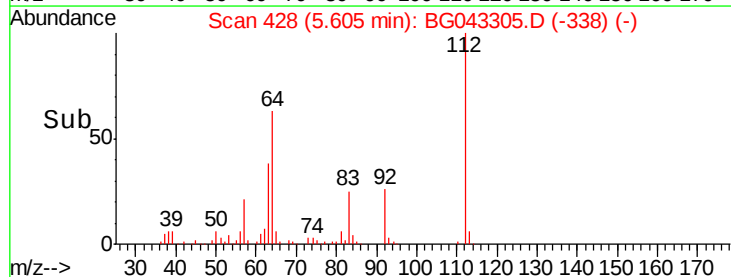
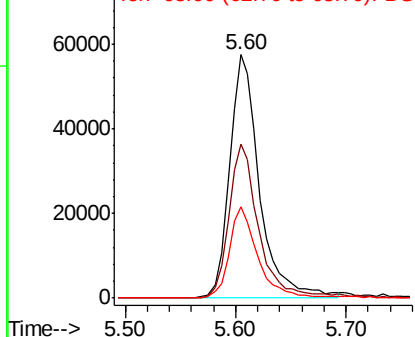
#5

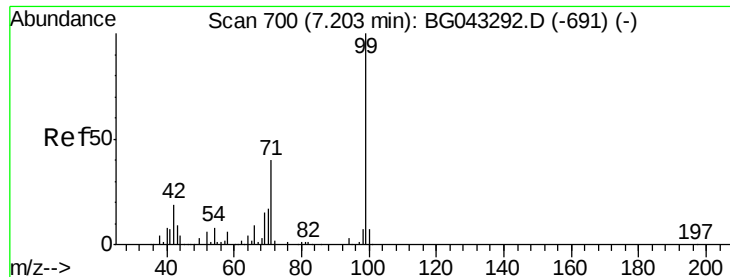
2-Fluorophenol
Concen: 54.874 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG043305.D
Acq: 22 Oct 2019 13:52

Tgt Ion:112 Resp: 108855
Ion Ratio Lower Upper
112 100
64 63.3 50.2 75.2
63 37.7 26.7 40.1



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: 32.594 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG043305.D

Acq: 22 Oct 2019 13:52

Instrument :

BNA_G

ClientSampleId :

PB123887BL

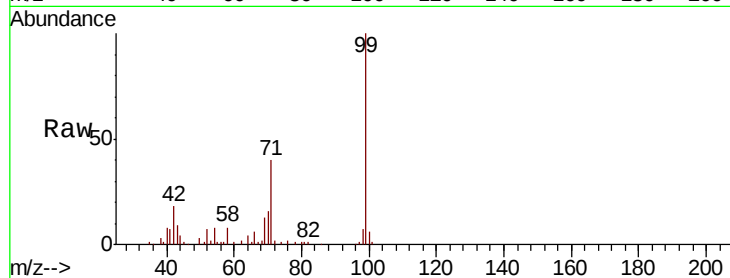
Tot Ion: 99 Resp: 93028

Ion Ratio Lower Upper

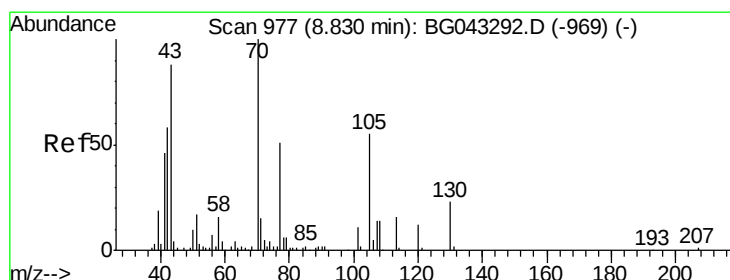
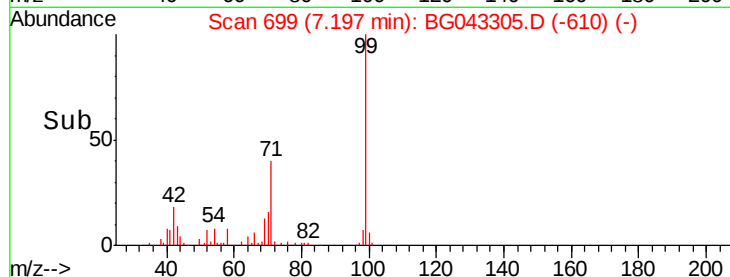
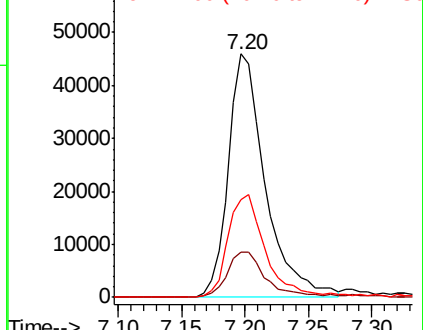
99 100

42 18.5 14.9 22.3

71 40.2 32.2 48.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.958 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043305.D

Acq: 22 Oct 2019 13:52

Tgt Ion: 70 Resp: 33120

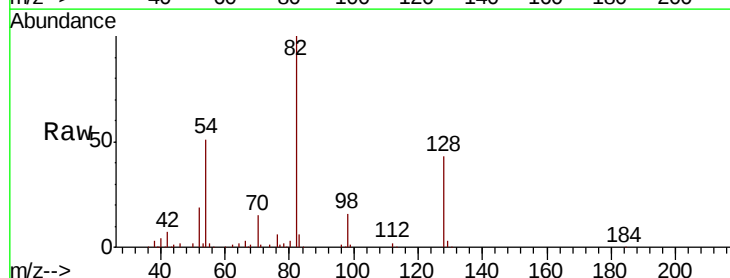
Ion Ratio Lower Upper

70 100

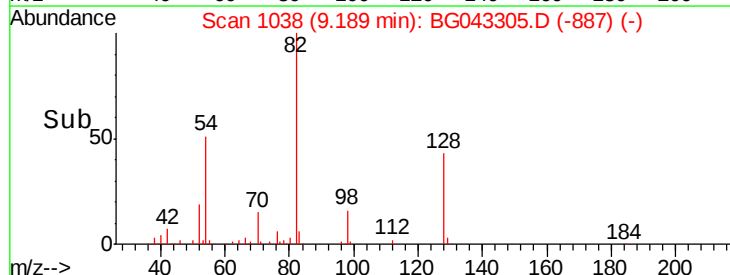
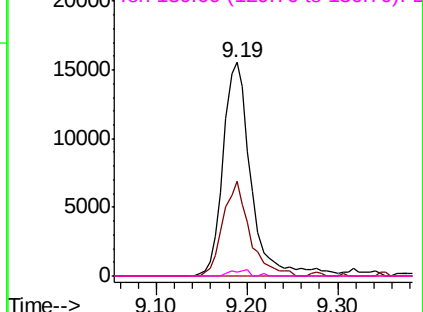
42 44.3 46.2 69.2#

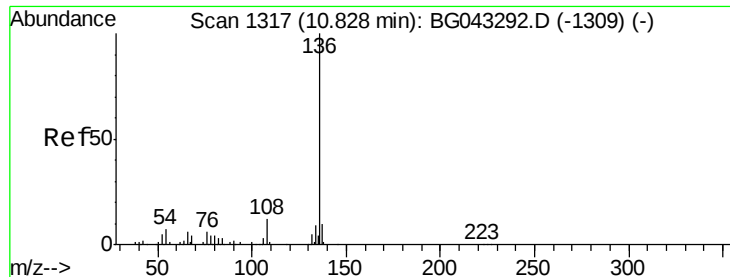
101 0.0 8.6 13.0#

130 1.7 18.6 27.8#



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

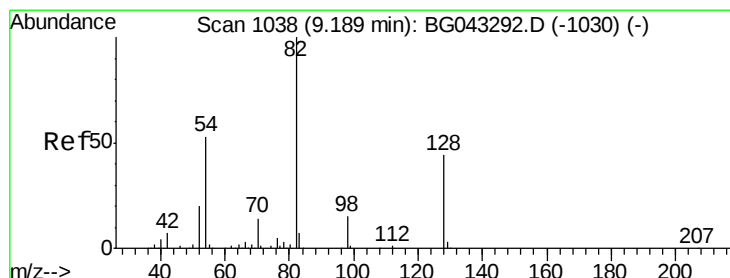
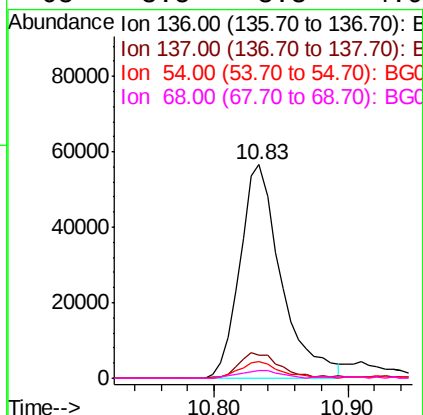
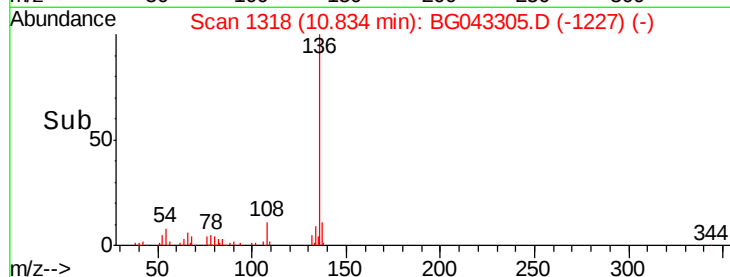
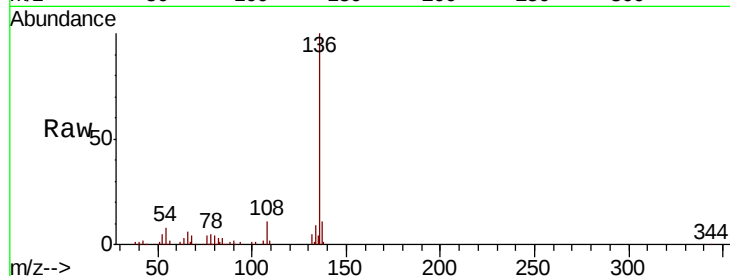




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BG043305.D
Acq: 22 Oct 2019 13:52

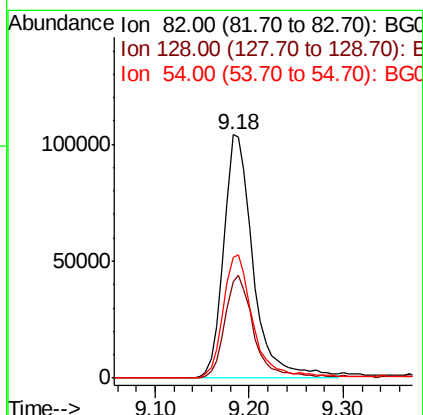
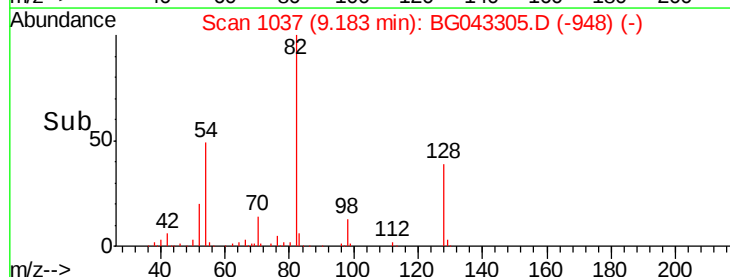
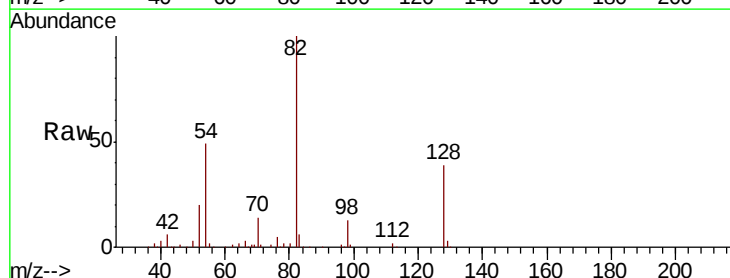
Instrument :
BNA_G
ClientSampleId :
PB123887BL

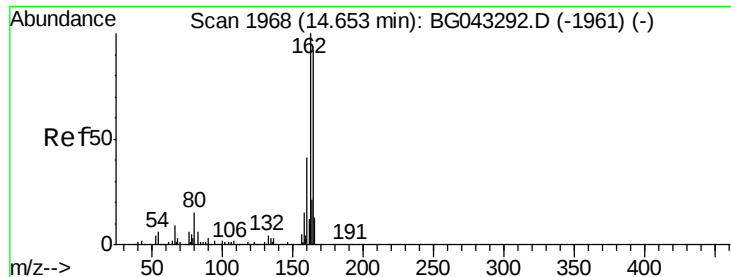
Tot Ion:	136	Resp:	121076
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.2
54	7.8	5.4	8.2
68	3.5	3.3	4.9



#23
Nitrobenzene-d5
Concen: 96.992 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG043305.D
Acq: 22 Oct 2019 13:52

Tgt Ion:	82	Resp:	227786
Ion	Ratio	Lower	Upper
82	100		
128	39.4	35.3	52.9
54	49.3	42.3	63.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043305.D

Acq: 22 Oct 2019 13:52

Instrument :

BNA_G

ClientSampleId :

PB123887BL

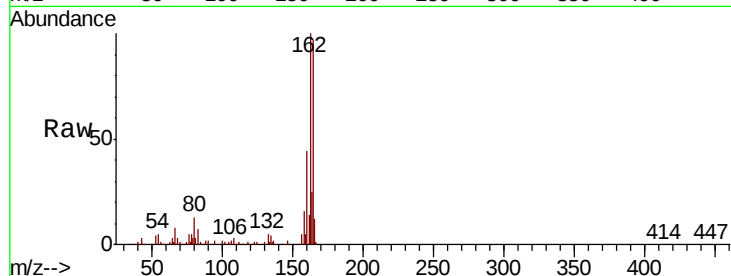
Tot Ion:164 Resp: 103009

Ion Ratio Lower Upper

164 100

162 103.6 87.0 130.4

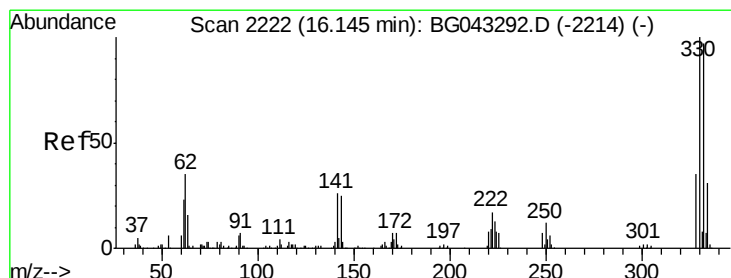
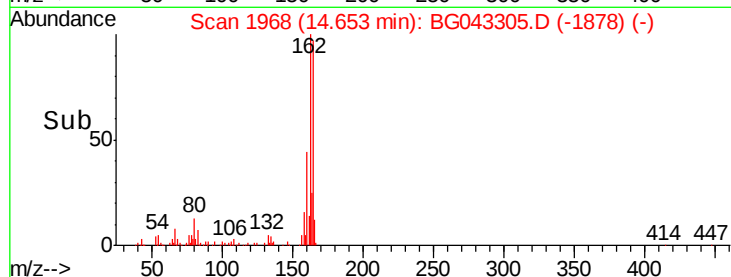
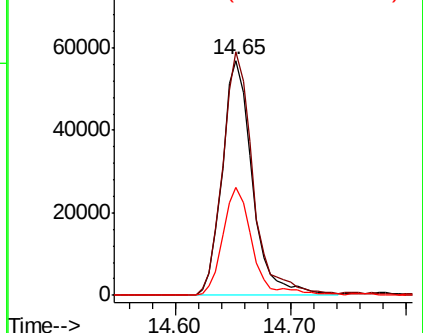
160 45.8 35.5 53.3



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: 80.636 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043305.D

Acq: 22 Oct 2019 13:52

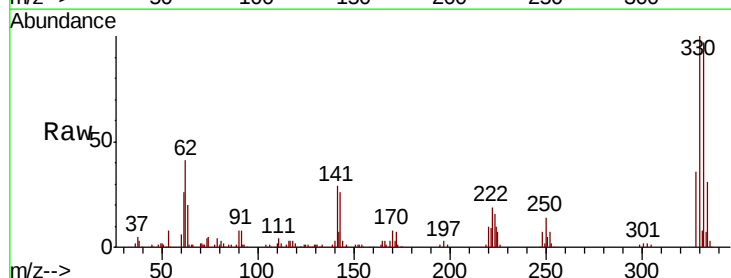
Tgt Ion:330 Resp: 158068

Ion Ratio Lower Upper

330 100

332 99.1 76.4 114.6

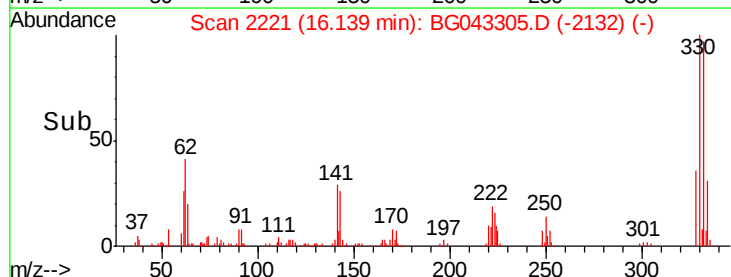
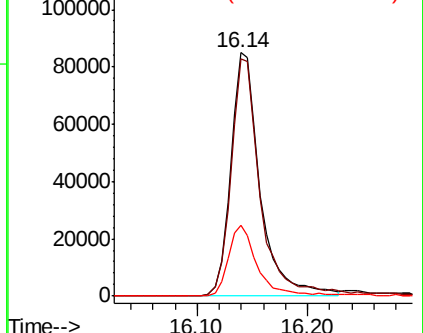
141 28.5 21.4 32.0



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

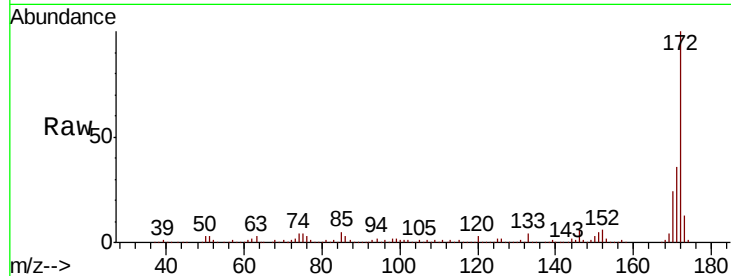




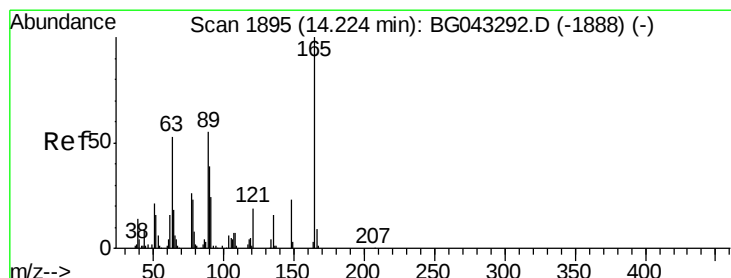
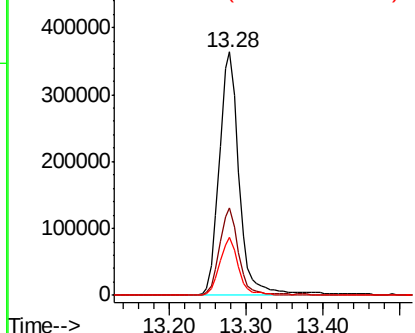
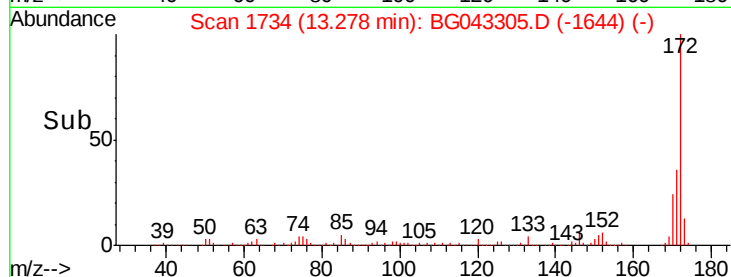
#45
 2-Fluorobiphenyl
 Concen: 87.736 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043305.D
 Acq: 22 Oct 2019 13:52

Instrument :
 BNA_G
 ClientSampleId :
 PB123887BL

Tot Ion:172 Resp: 654044
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.5 42.7
 170 23.9 18.8 28.2

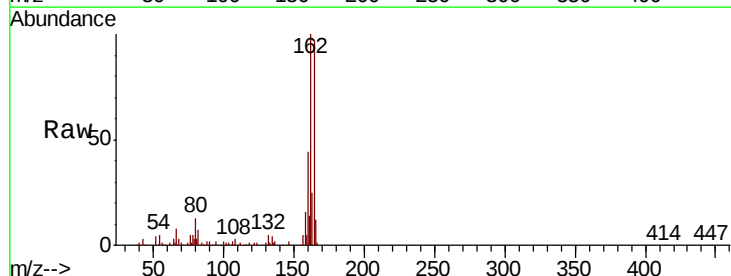


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

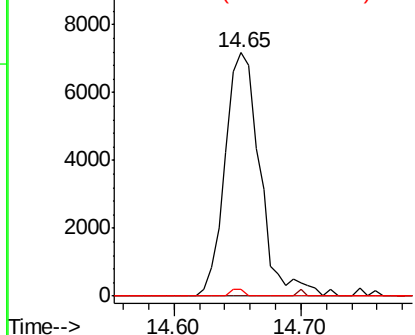
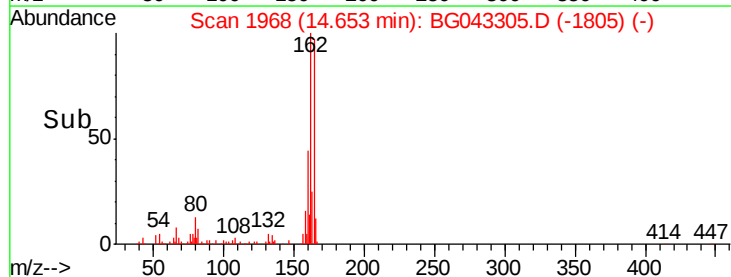


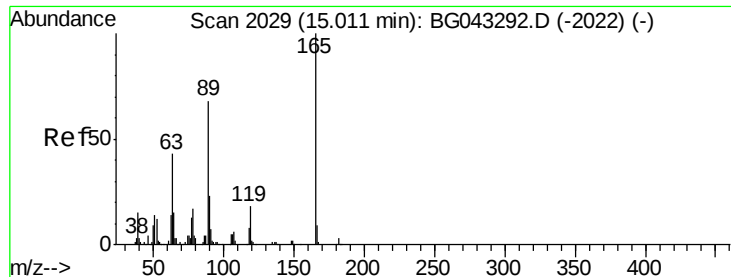
#51
 2,6-Dinitrotoluene
 Concen: 7.916 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043305.D
 Acq: 22 Oct 2019 13:52

Tgt Ion:165 Resp: 13722
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.1 70.7#
 89 2.9 43.7 65.5#



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

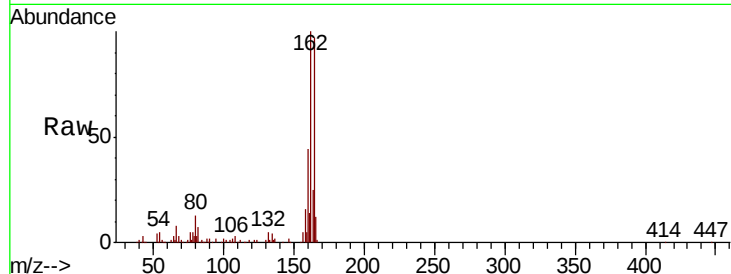




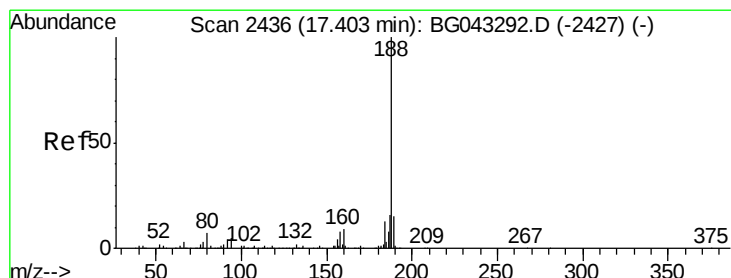
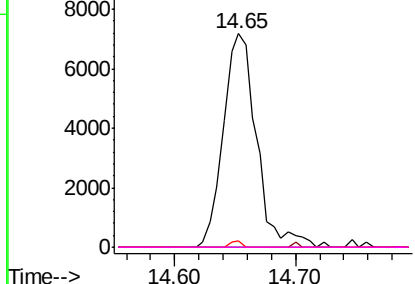
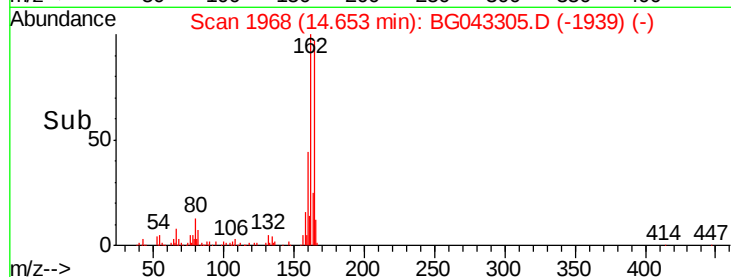
#57
 2,4-Dinitrotoluene
 Concen: 5.540 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043305.D
 Acq: 22 Oct 2019 13:52

Instrument :
 BNA_G
 ClientSampled :
 PB123887BL

Tot Ion:165 Resp: 13723
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.6#
 89 2.9 54.1 81.1#
 182 0.0 2.2 3.2#

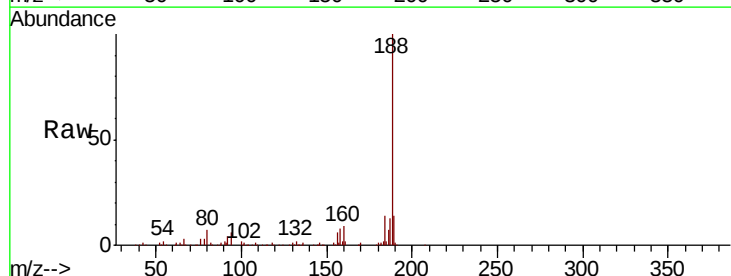


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

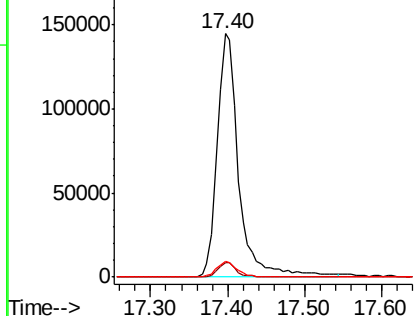
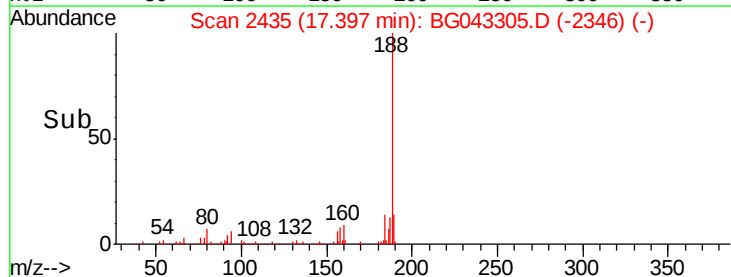


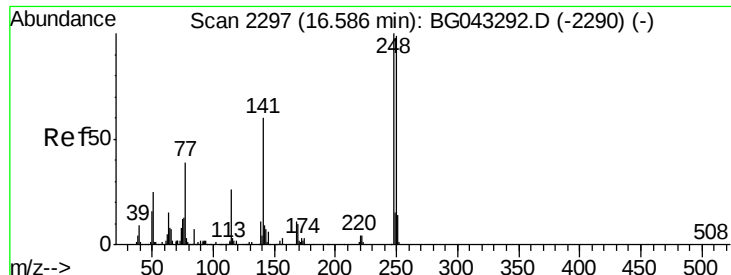
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043305.D
 Acq: 22 Oct 2019 13:52

Tgt Ion:188 Resp: 278107
 Ion Ratio Lower Upper
 188 100
 94 6.2 4.2 6.2
 80 6.6 5.2 7.8



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

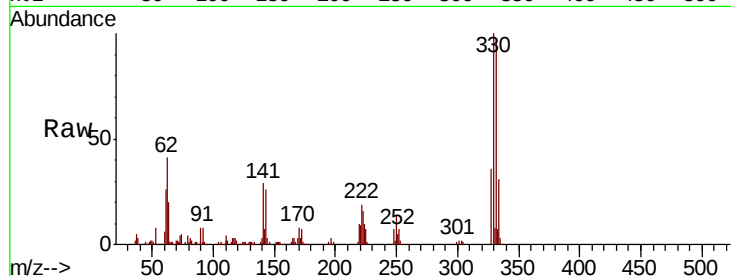




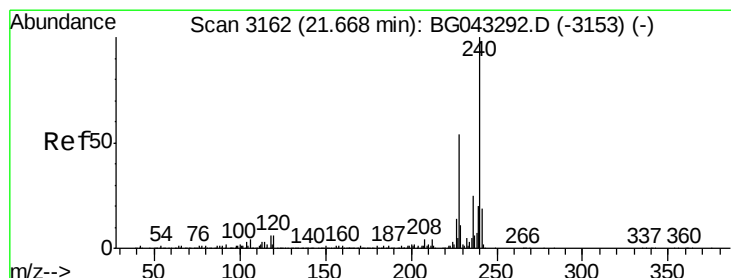
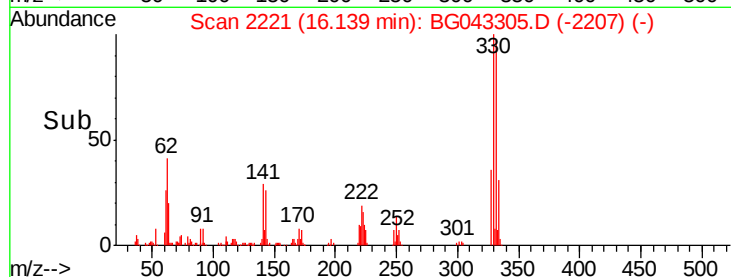
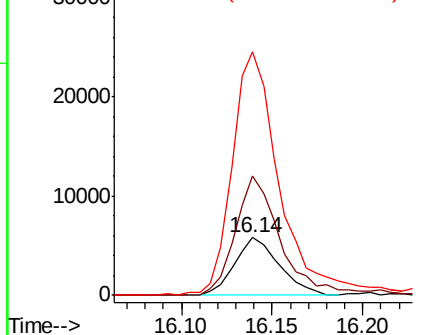
#67
4-Bromophenyl-phenylether
Concen: 2.658 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043305.D
Acq: 22 Oct 2019 13:52

Instrument :
BNA_G
ClientSampleId :
PB123887BL

Tot Ion:248 Resp: 9948
Ion Ratio Lower Upper
248 100
250 205.4 79.3 118.9#
141 420.0 47.9 71.9#

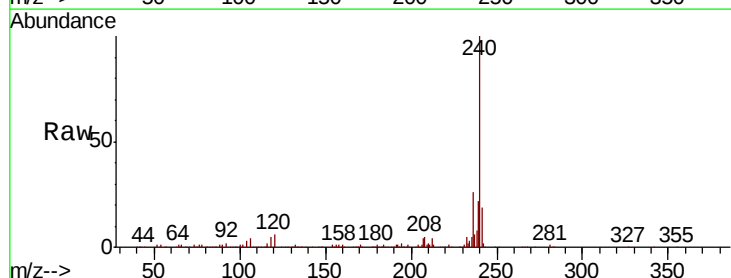


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

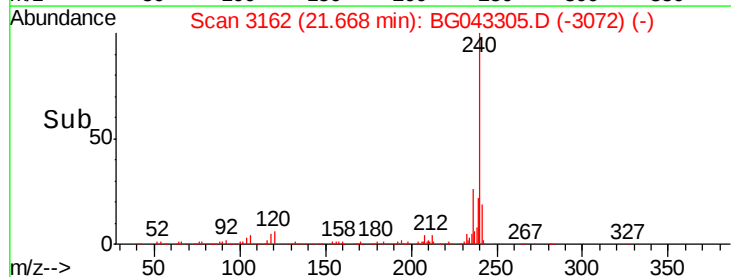
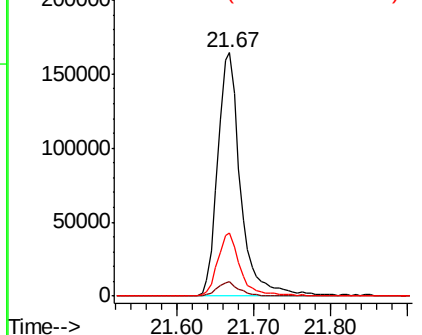


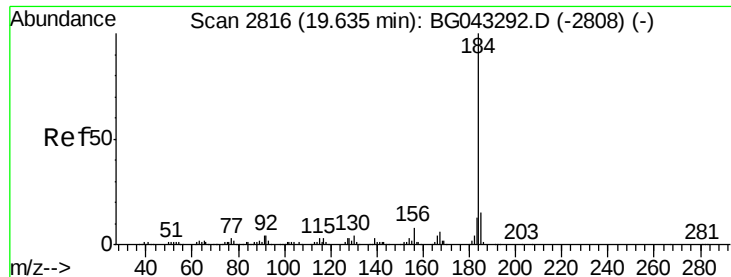
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.00 min
Lab File: BG043305.D
Acq: 22 Oct 2019 13:52

Tgt Ion:240 Resp: 337487
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 25.9 20.2 30.4



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: 3.521 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043305.D

Acq: 22 Oct 2019 13:52

Instrument :

BNA_G

ClientSampleId :

PB123887BL

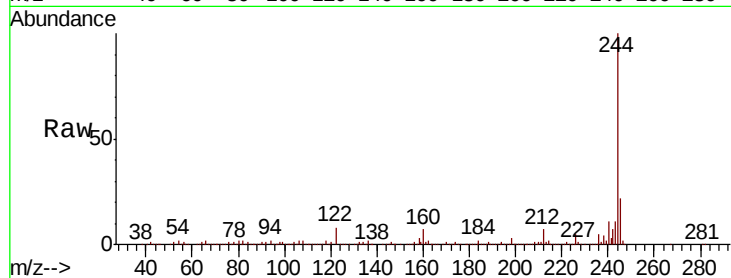
Tot Ion:184 Resp: 23917

Ion Ratio Lower Upper

184 100

185 16.5 11.8 17.6

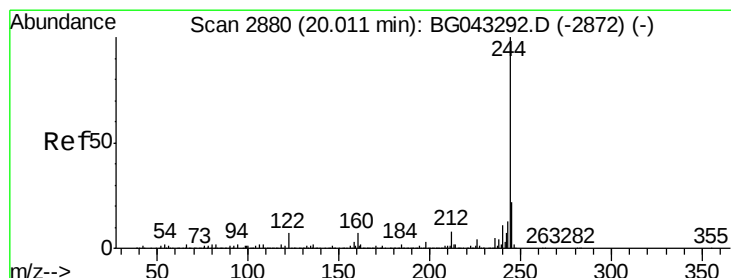
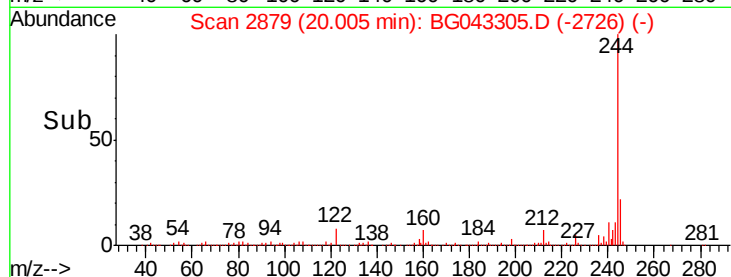
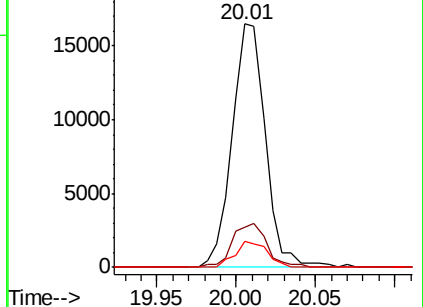
183 10.8 10.6 16.0



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: 88.794 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG043305.D

Acq: 22 Oct 2019 13:52

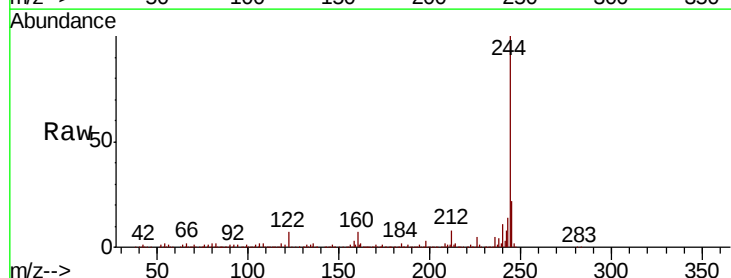
Tgt Ion:244 Resp: 1597325

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

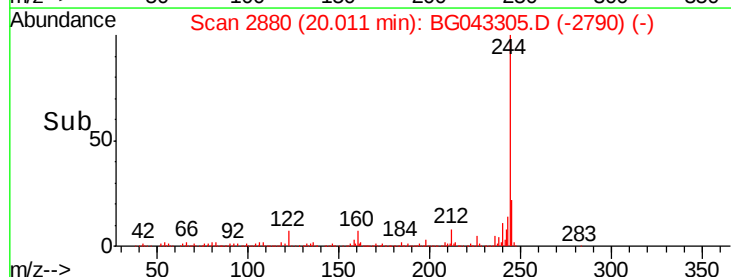
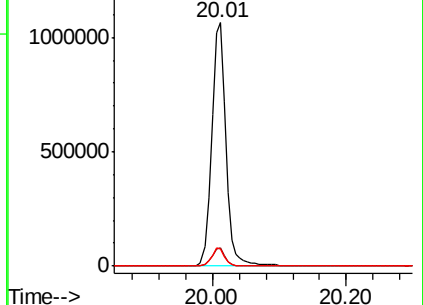
122 7.0 5.3 7.9

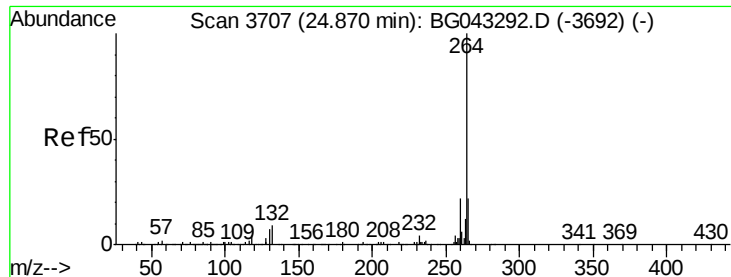


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

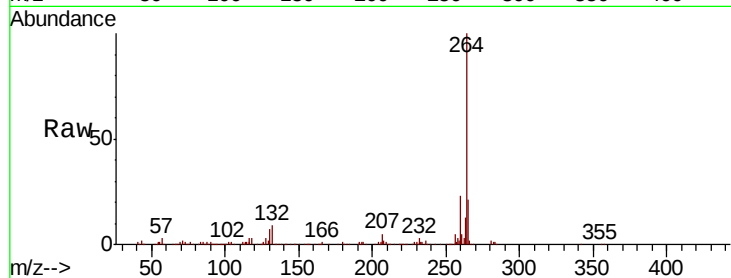




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.87 min Scan# 3707
Delta R.T. -0.00 min
Lab File: BG043305.D
Acq: 22 Oct 2019 13:52

Instrument :
BNA_G
ClientSampleId :
PB123887BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.9	26.9
265	20.9	17.4	26.2



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

