

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100419\
 Data File : BG043032.D
 Acq On : 4 Oct 2019 17:39
 Operator : JU
 Sample : PB123594BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 05 04:51:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

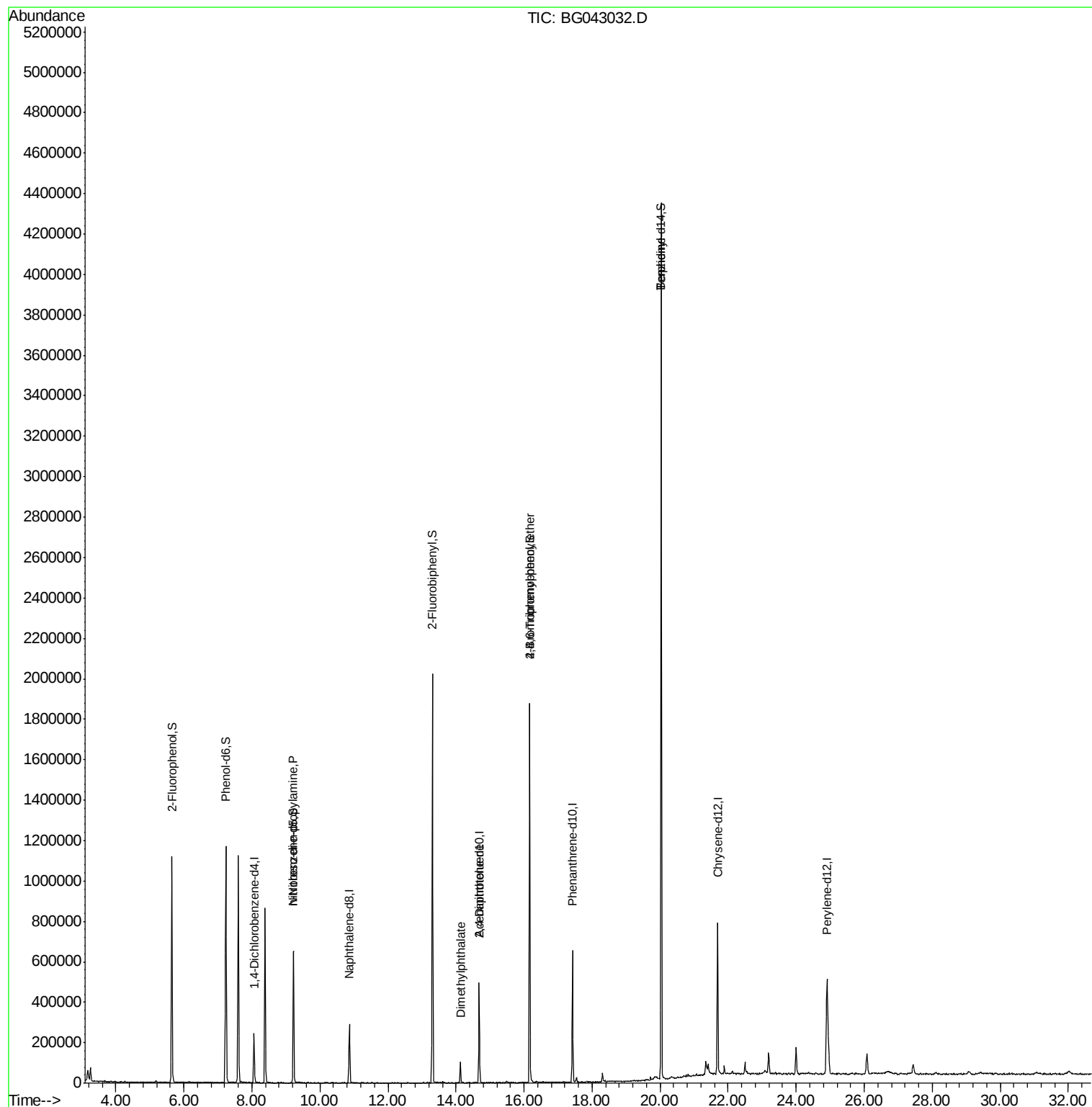
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	70735	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	254766	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	177237	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	423441	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	467365	20.00	ng	-0.02
87) Perylene-d12	24.91	264	544001	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	472867	119.30	ng	-0.01
7) Phenol-d6	7.23	99	676307	118.49	ng	-0.01
23) Nitrobenzene-d5	9.22	82	419138	79.96	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	415368	136.29	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1075708	87.99	ng	-0.02
79) Terphenyl-d14	20.04	244	2082048	94.93	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	58503	15.610	ng	# 70
50) Dimethylphthalate	14.13	163	73573	5.540	ng	# 98
57) 2,4-Dinitrotoluene	14.68	165	25749	6.218	ng	# 27
67) 4-Bromophenyl-phenylether	16.17	248	28098	5.287	ng	# 1
77) Benzidine	20.04	184	35016	2.992	ng	# 95

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

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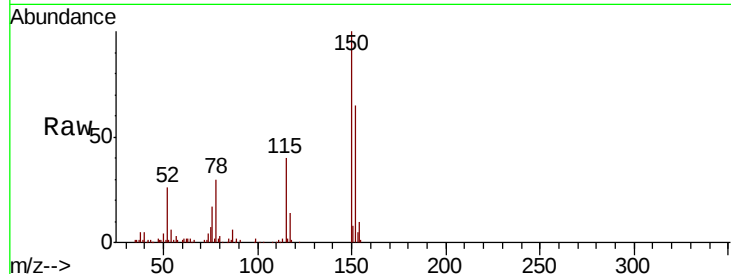


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043032.D
Acq: 4 Oct 2019 17:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	115.0	172.4
115	61.2	47.0	70.6

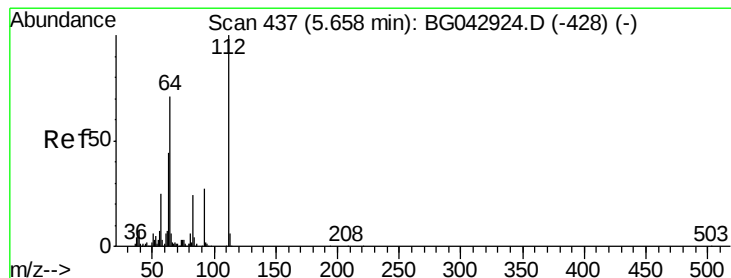
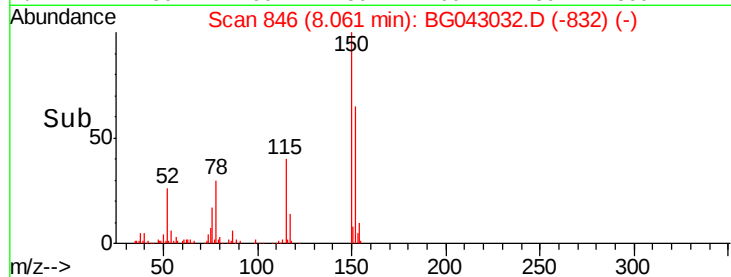
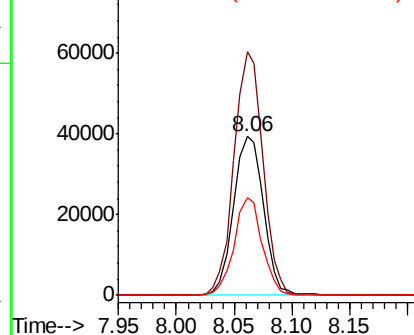


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

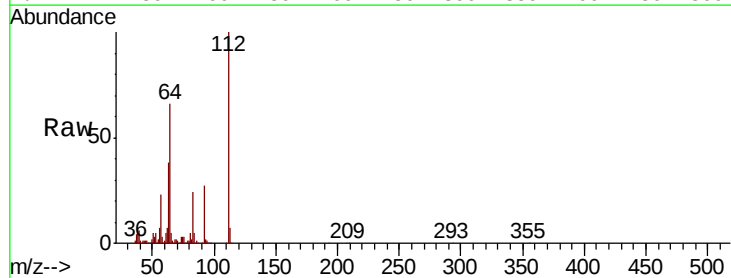
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.303 ng
RT: 5.65 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG043032.D
Acq: 4 Oct 2019 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	56.6	84.8
63	38.4	35.1	52.7

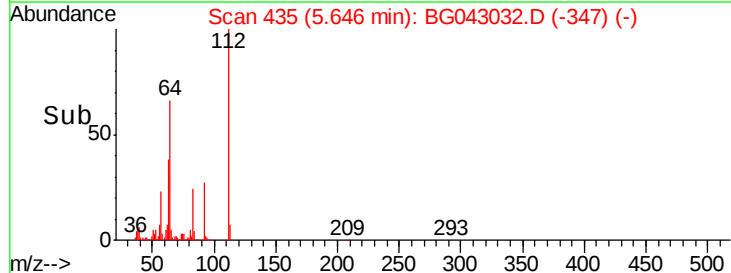
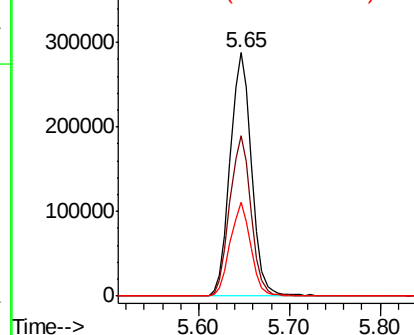


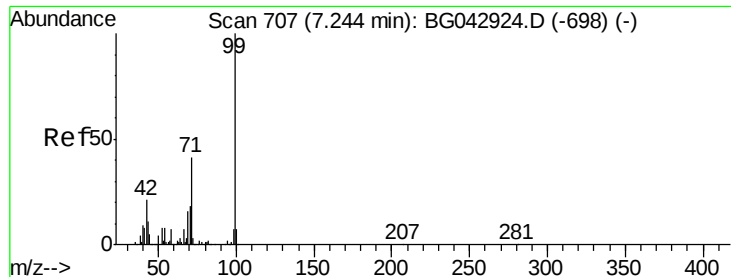
Abundance

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: 118.488 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043032.D

Acq: 4 Oct 2019 17:39

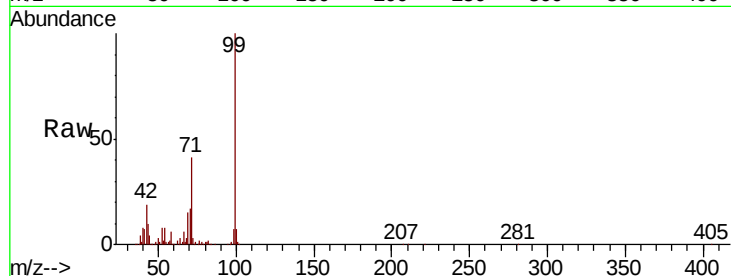
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 676307

Ion	Ratio	Lower	Upper
99	100		
42	18.6	17.2	25.8
71	41.4	33.1	49.7

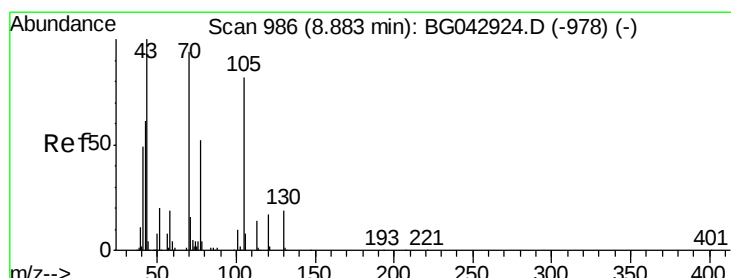
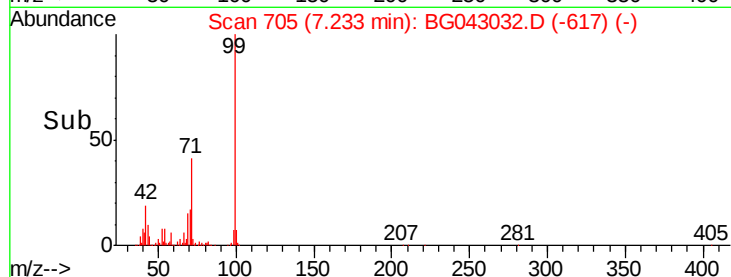


Abundance

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: 15.610 ng

RT: 9.22 min Scan# 1043

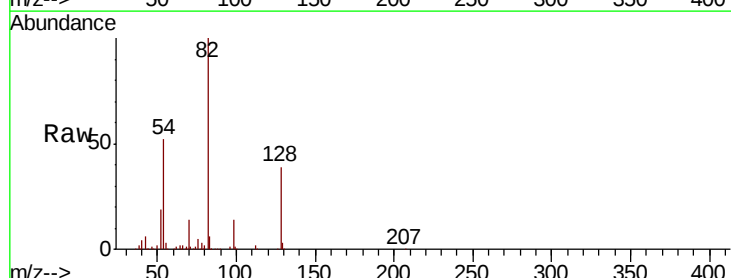
Delta R.T. 0.34 min

Lab File: BG043032.D

Acq: 4 Oct 2019 17:39

Tgt Ion: 70 Resp: 58503

Ion	Ratio	Lower	Upper
70	100		
42	44.1	52.6	79.0#
101	0.0	8.7	13.1#
130	2.0	15.8	23.8#



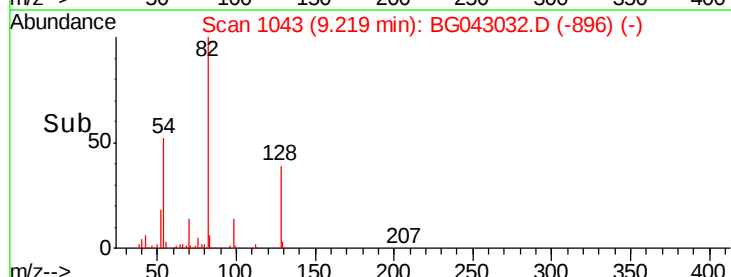
Abundance

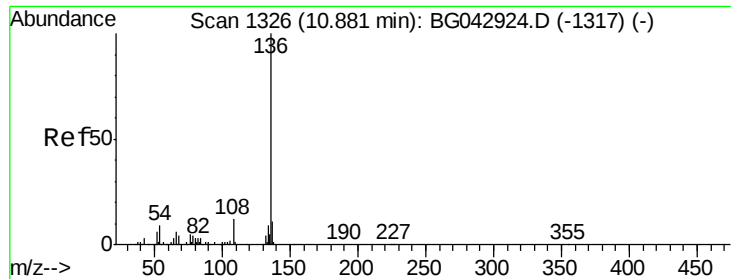
Ion 70.00 (69.70 to 70.70): BGC

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

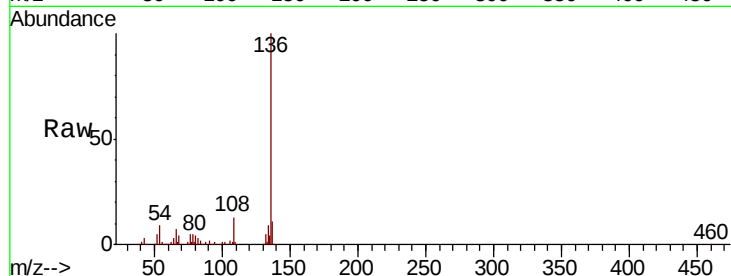




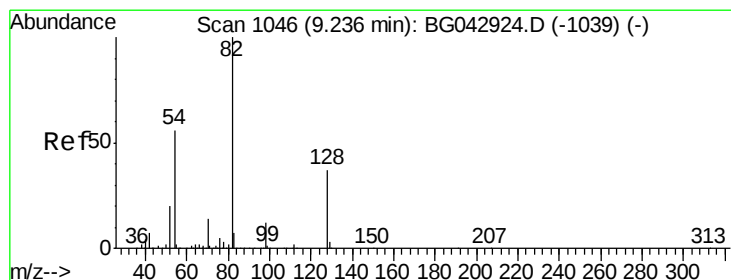
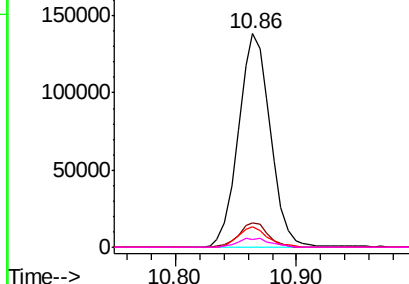
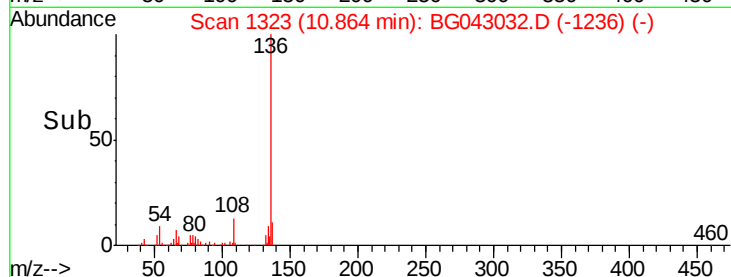
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG043032.D
Acq: 4 Oct 2019 17:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	254766
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.5 12.7
54	9.3	7.4 11.2
68	3.6	3.6 5.4

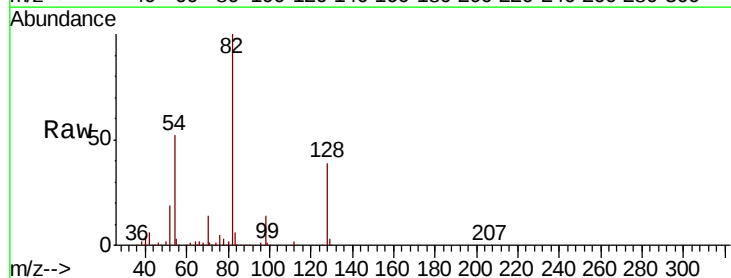


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

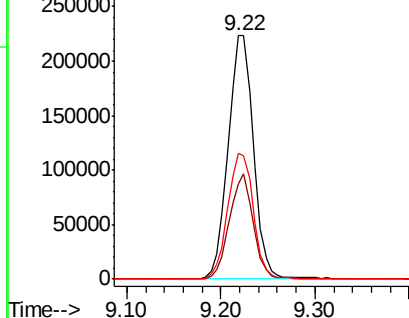
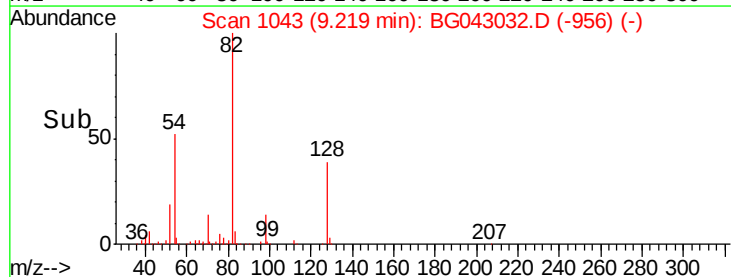


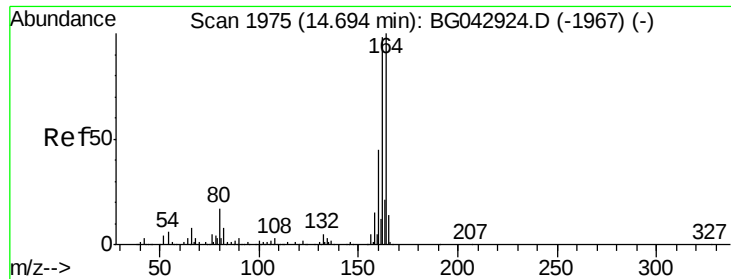
#23
Nitrobenzene-d5
Concen: 79.965 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG043032.D
Acq: 4 Oct 2019 17:39

Tgt Ion: 82	Resp:	419138
Ion	Ratio	Lower Upper
82	100	
128	39.0	29.5 44.3
54	51.9	44.6 67.0



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: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043032.D

Acq: 4 Oct 2019 17:39

Instrument :

BNA_G

ClientSampleId :

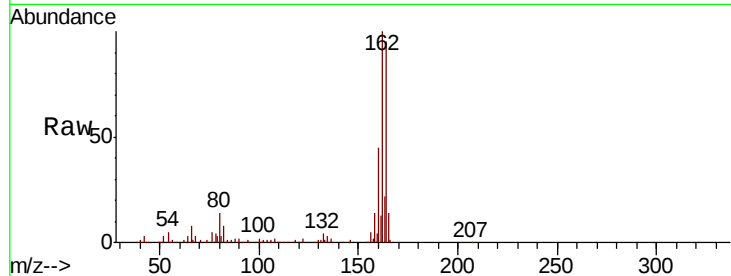
Tot Ion:164 Resp: 177237

Ion Ratio Lower Upper

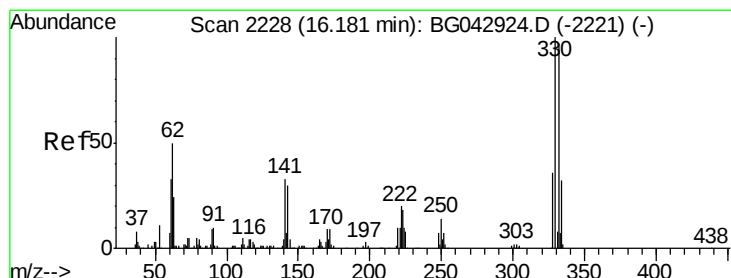
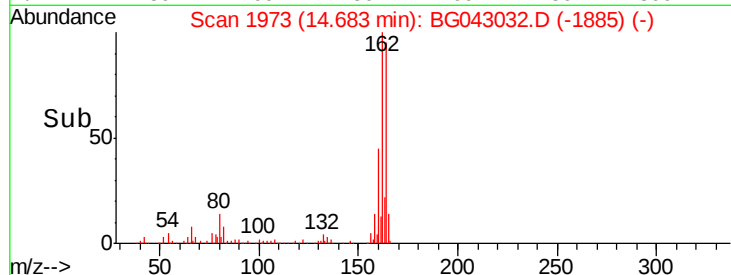
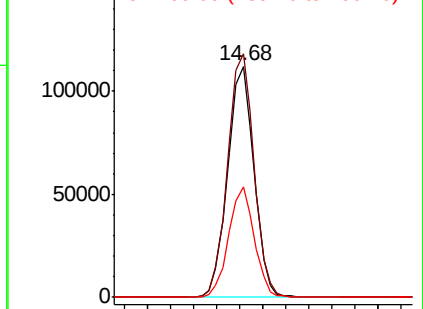
164 100

162 105.2 78.5 117.7

160 47.6 35.9 53.9



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: 136.289 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043032.D

Acq: 4 Oct 2019 17:39

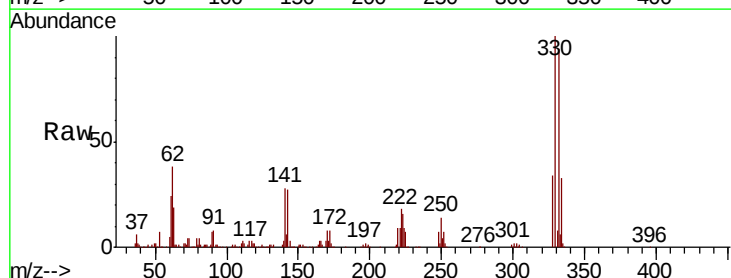
Tgt Ion:330 Resp: 415368

Ion Ratio Lower Upper

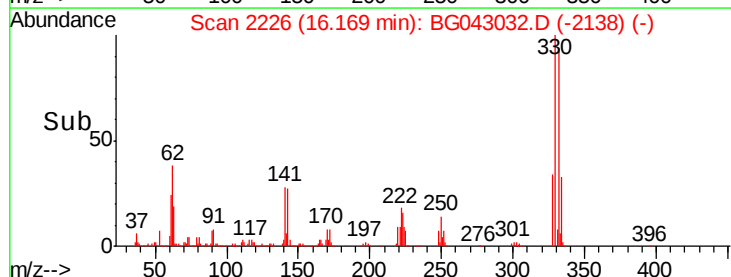
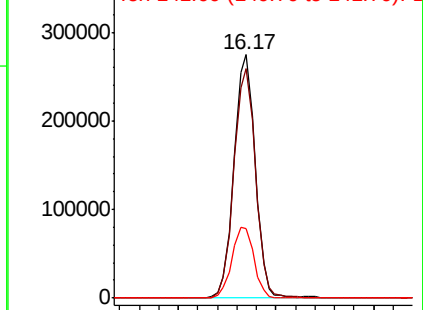
330 100

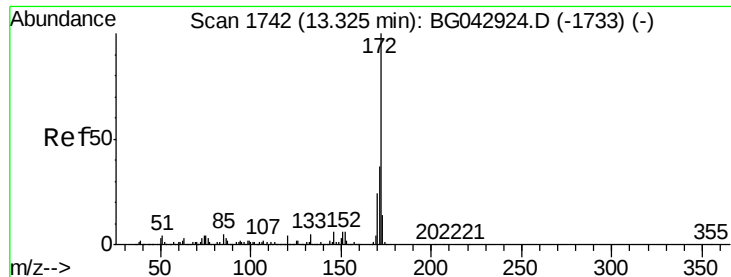
332 96.0 78.2 117.2

141 30.2 26.0 39.0



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

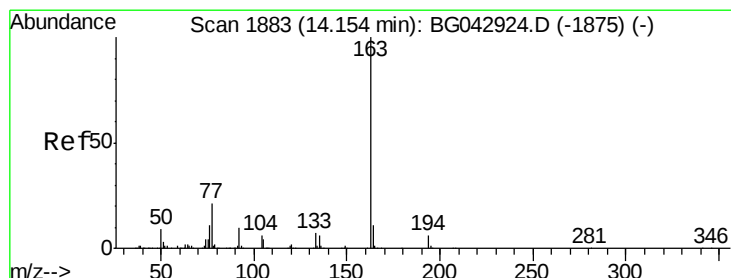
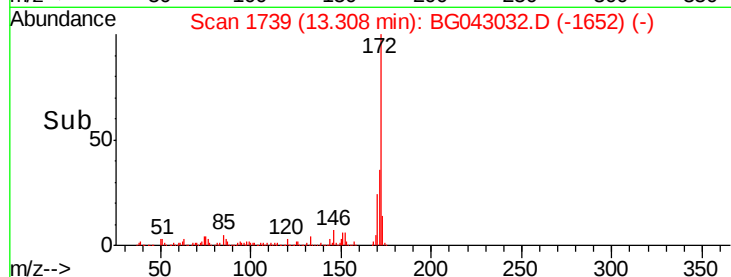
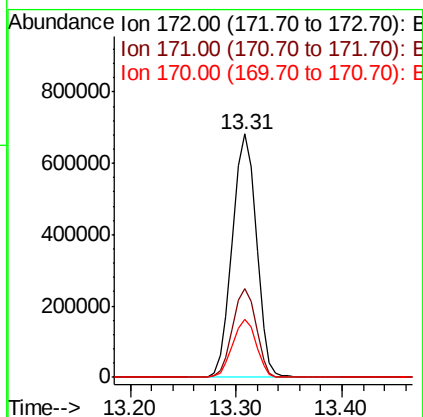
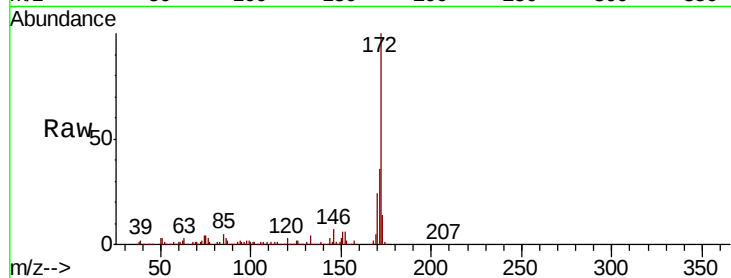




#45
2-Fluorobiphenyl
Concen: 87.987 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043032.D
Acq: 4 Oct 2019 17:39

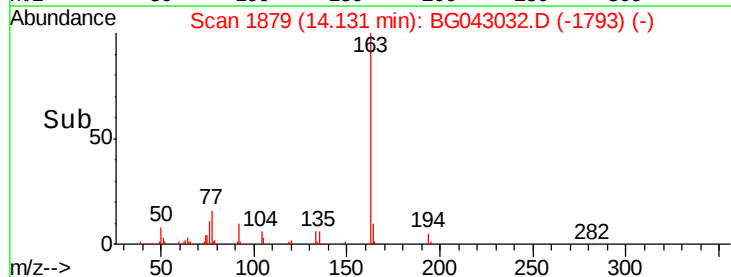
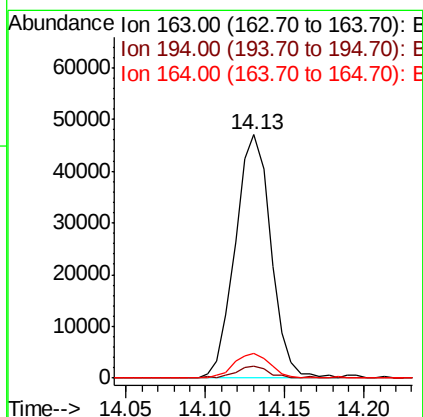
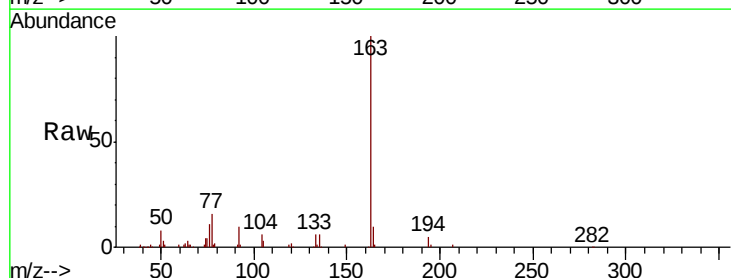
Instrument :
BNA_G
ClientSampleId :

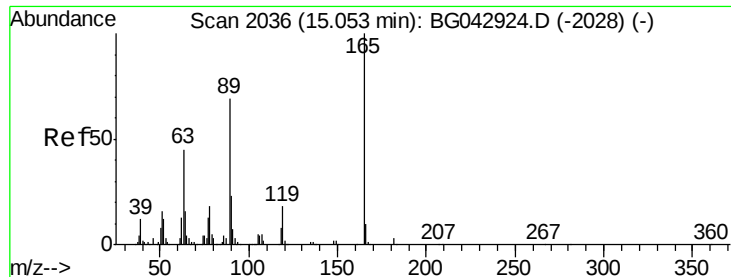
Tot Ion:172 Resp: 1075708
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.0 19.6 29.4



#50
Dimethylphthalate
Concen: 5.540 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG043032.D
Acq: 4 Oct 2019 17:39

Tgt Ion:163 Resp: 73573
Ion Ratio Lower Upper
163 100
194 4.7 4.4 6.6
164 10.2 8.6 12.8

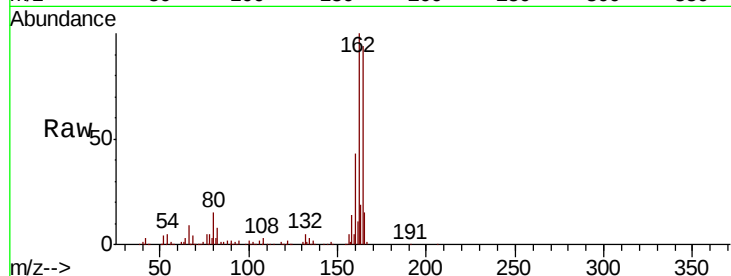




#57
 2,4-Dinitrotoluene
 Concen: 6.218 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG043032.D
 Acq: 4 Oct 2019 17:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.5	36.5	54.7#
89	2.5	55.5	83.3#
182	0.0	2.4	3.6#



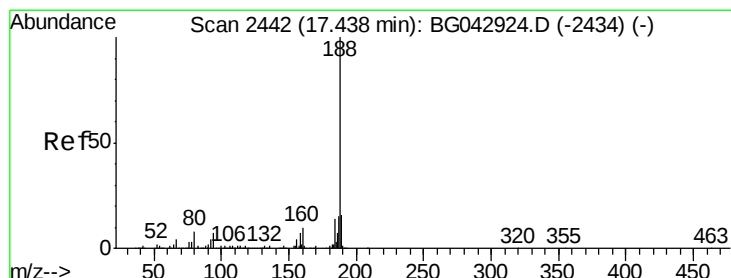
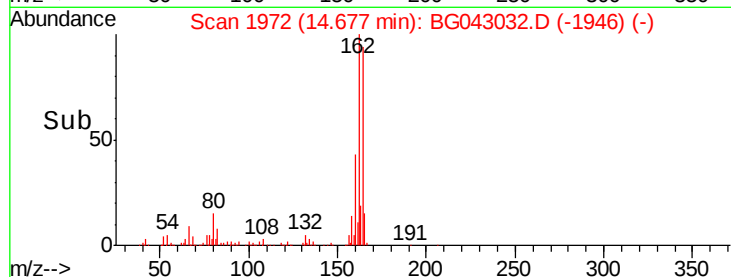
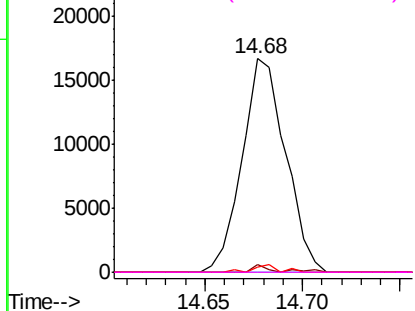
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

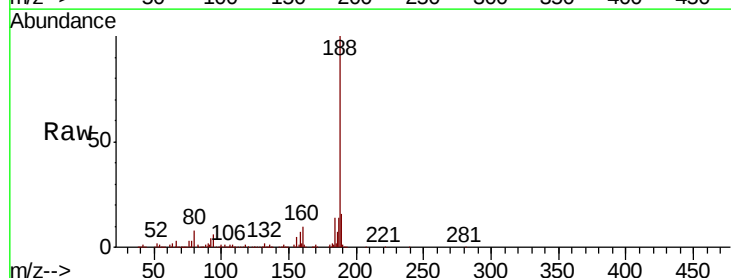
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: BG043032.D
 Acq: 4 Oct 2019 17:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.7	8.5
80	7.6	6.5	9.7

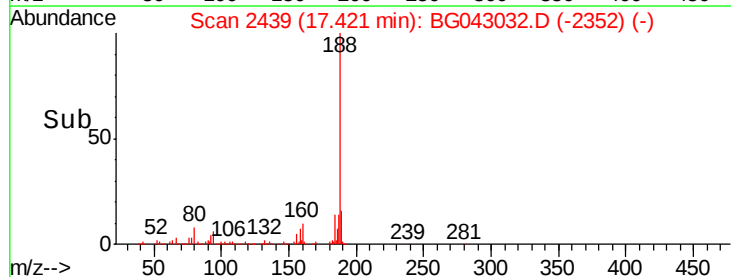
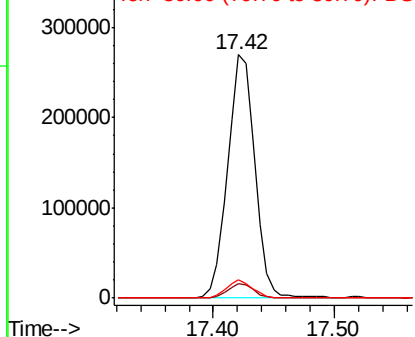


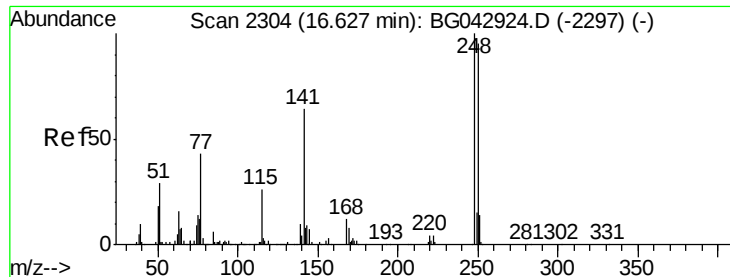
Abundance

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

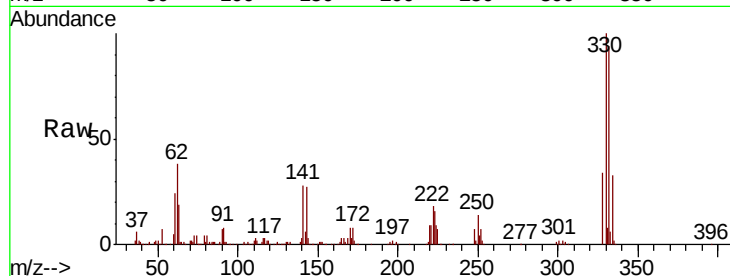




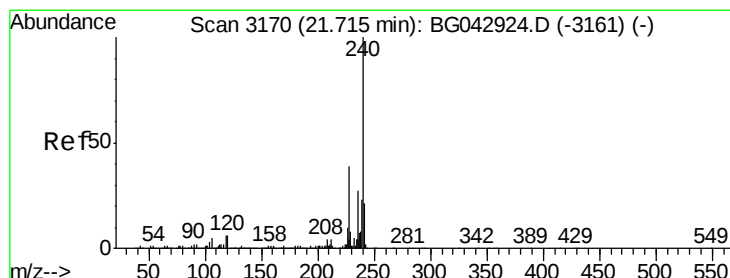
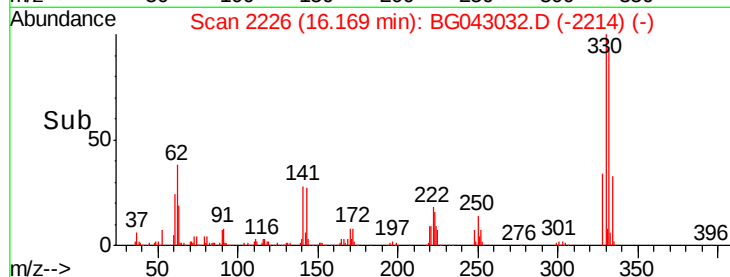
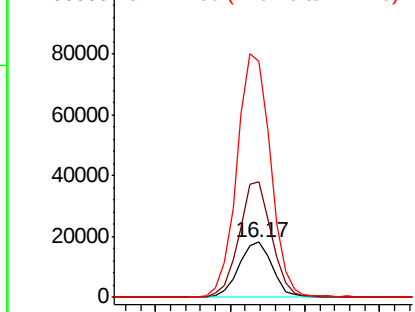
#67
 4-Bromophenyl-phenylether
 Concen: 5.287 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG043032.D
 Acq: 4 Oct 2019 17:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 28098
 Ion Ratio Lower Upper
 248 100
 250 209.1 75.8 113.8#
 141 429.4 51.1 76.7#

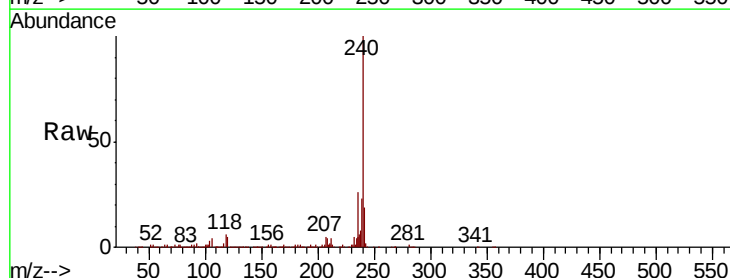


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

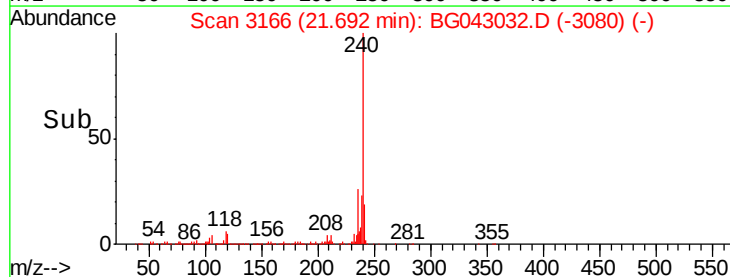
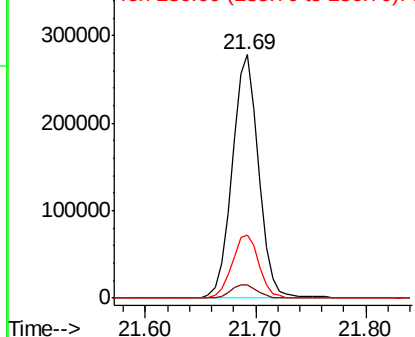


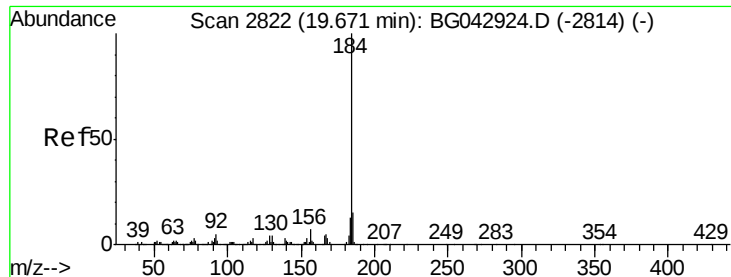
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.02 min
 Lab File: BG043032.D
 Acq: 4 Oct 2019 17:39

Tgt Ion:240 Resp: 467365
 Ion Ratio Lower Upper
 240 100
 120 5.2 4.8 7.2
 236 26.2 21.4 32.0



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: 2.992 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043032.D

Acq: 4 Oct 2019 17:39

Instrument :

BNA_G

ClientSampleId :

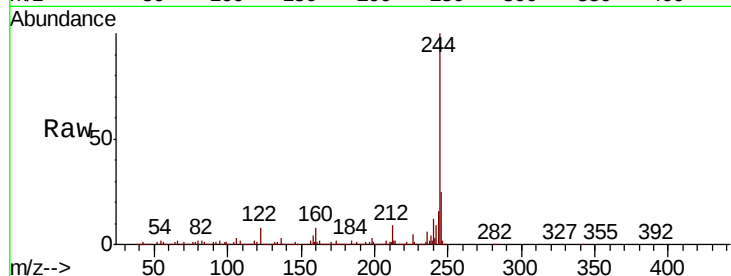
Tot Ion:184 Resp: 35016

Ion Ratio Lower Upper

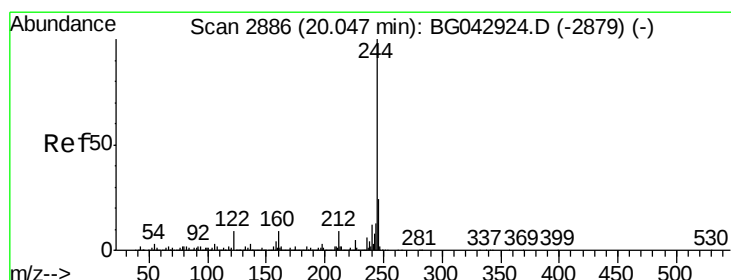
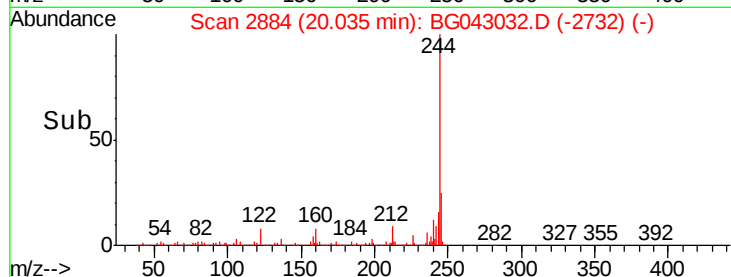
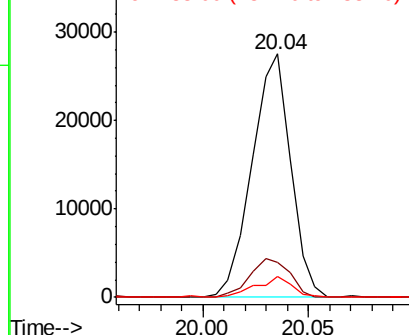
184 100

185 14.4 11.8 17.8

183 8.7 10.1 15.1#



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: 94.928 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043032.D

Acq: 4 Oct 2019 17:39

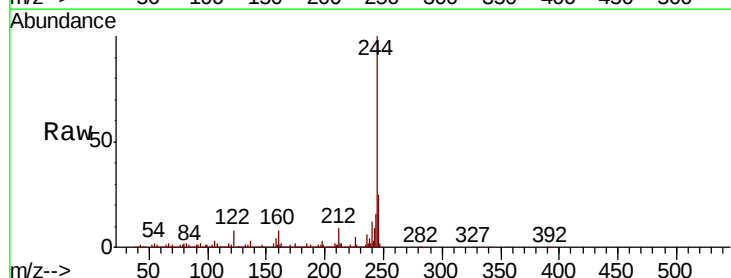
Tgt Ion:244 Resp: 2082048

Ion Ratio Lower Upper

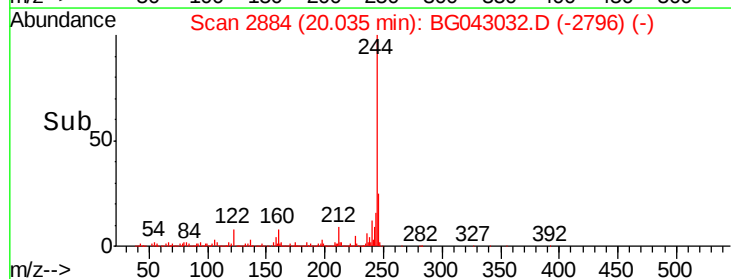
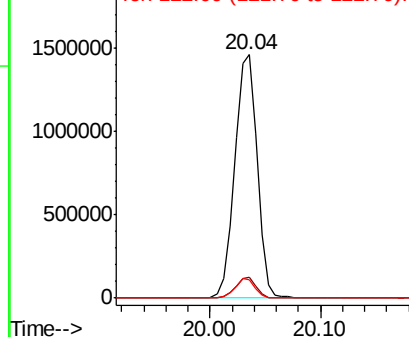
244 100

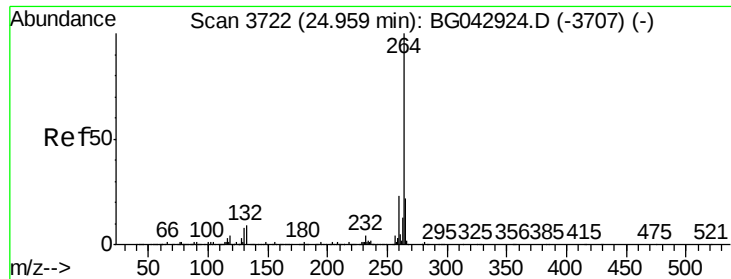
212 8.8 7.4 11.0

122 7.8 7.0 10.4



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

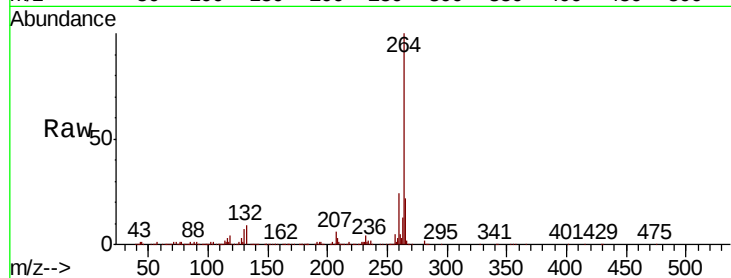




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3714
 Delta R.T. -0.05 min
 Lab File: BG043032.D
 Acq: 4 Oct 2019 17:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	544001
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.3	17.7	26.5



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

