

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040119\
 Data File : BG040296.D
 Acq On : 2 Apr 2019 12:28
 Operator : JU/SJ
 Sample : K2180-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 02 13:45:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

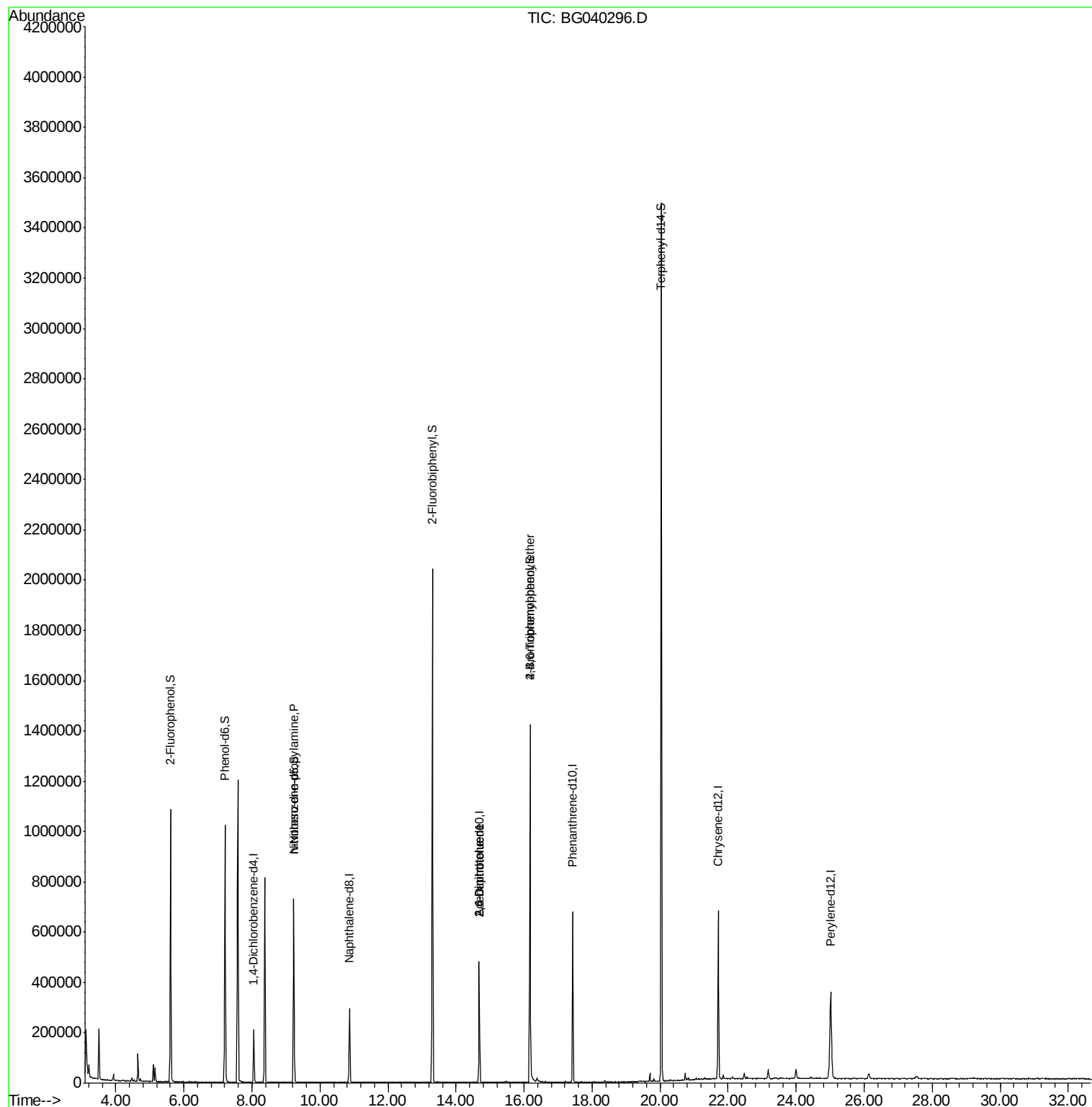
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	59199	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	249812	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	170954	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	418908	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	420225	20.00	ng	-0.02
87) Perylene-d12	25.01	264	419246	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	461425	129.58	ng	0.00
7) Phenol-d6	7.21	99	605830	123.10	ng	-0.02
23) Nitrobenzene-d5	9.23	82	451544	96.08	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	271799	147.11	ng	-0.02
45) 2-Fluorobiphenyl	13.31	172	1058170	91.72	ng	-0.02
79) Terphenyl-d14	20.03	244	1707078	91.39	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	56139	15.910	ng	# 74
51) 2,6-Dinitrotoluene	14.69	165	21690	7.220	ng	# 25
57) 2,4-Dinitrotoluene	14.69	165	21690	5.196	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	20036	4.250	ng	# 1

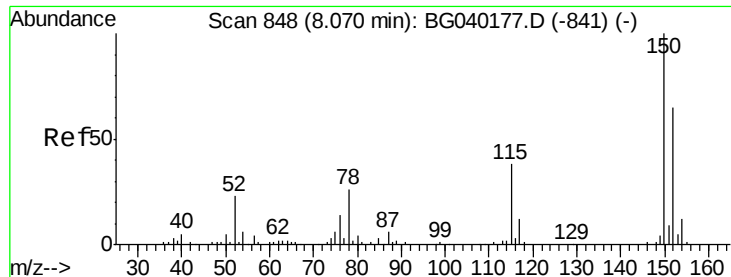
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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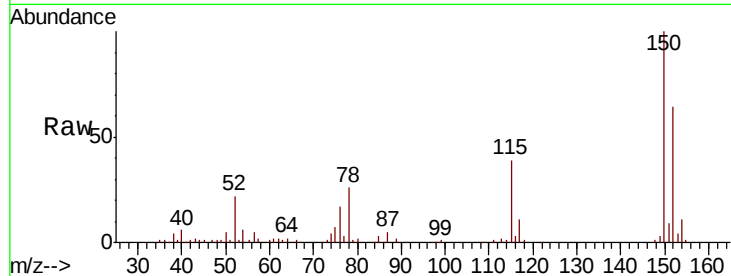


#1

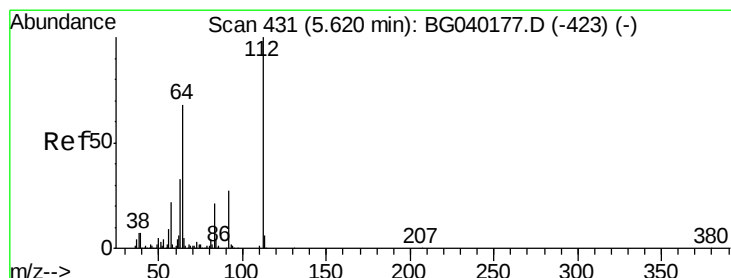
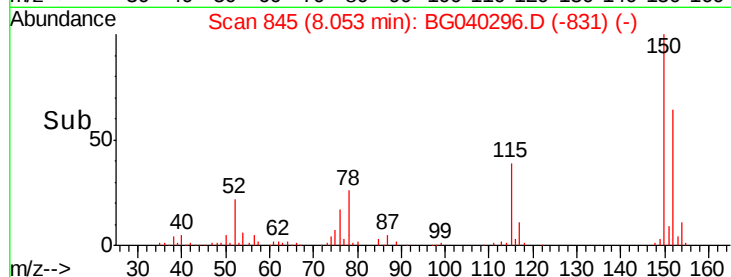
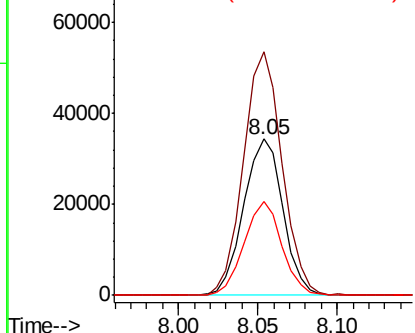
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.02 min
Lab File: BG040296.D
Acq: 2 Apr 2019 12:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.7	185.5
115	60.0	46.9	70.3



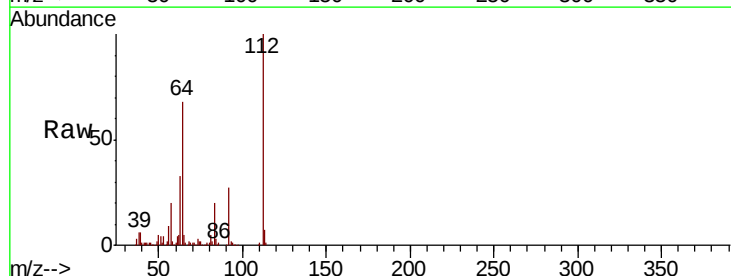
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



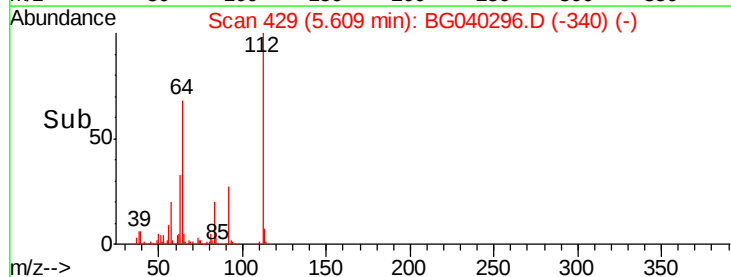
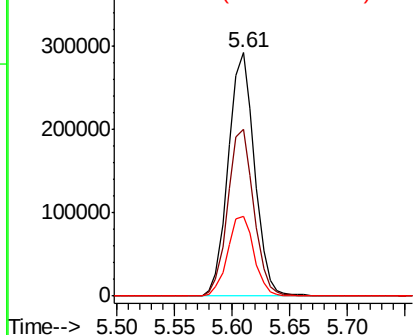
#5

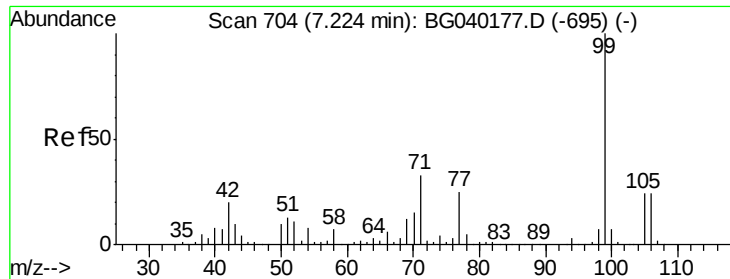
2-Fluorophenol
Concen: 129.576 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.01 min
Lab File: BG040296.D
Acq: 2 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	54.2	81.2
63	32.7	26.4	39.6



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: 123.101 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

Instrument :

BNA_G

ClientSampled :

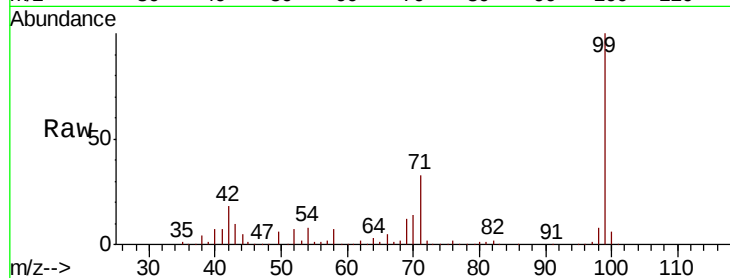
Tot Ion: 99 Resp: 605830

Ion Ratio Lower Upper

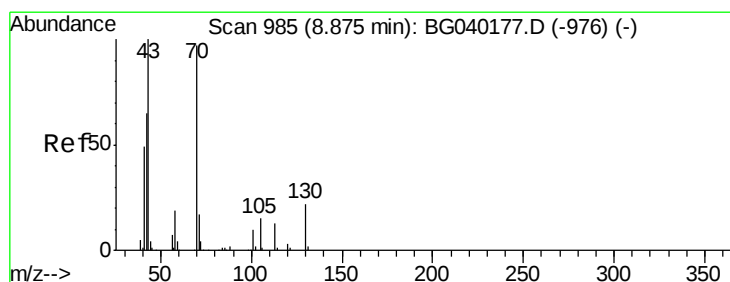
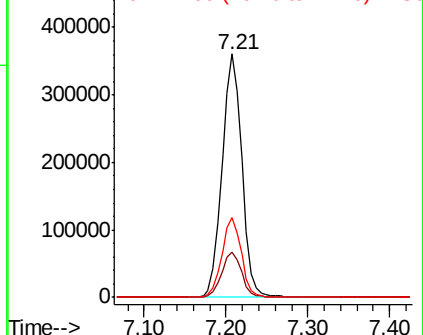
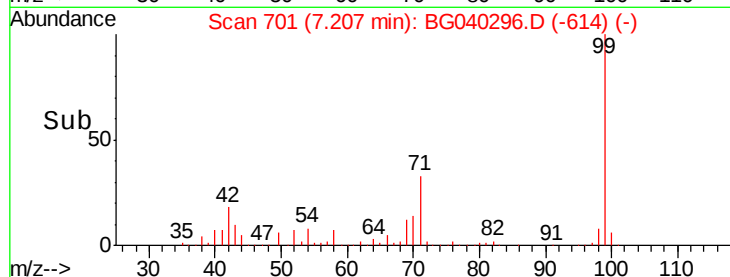
99 100

42 18.4 16.2 24.2

71 32.7 26.8 40.2



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: 15.910 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.35 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

Tgt Ion: 70 Resp: 56139

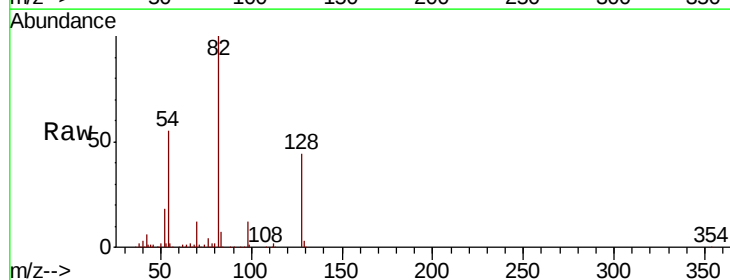
Ion Ratio Lower Upper

70 100

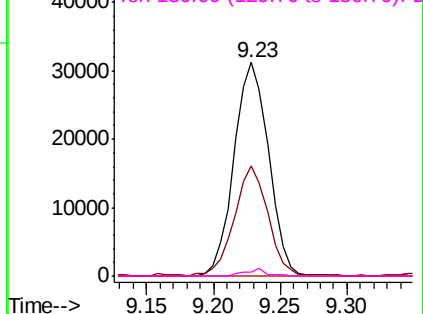
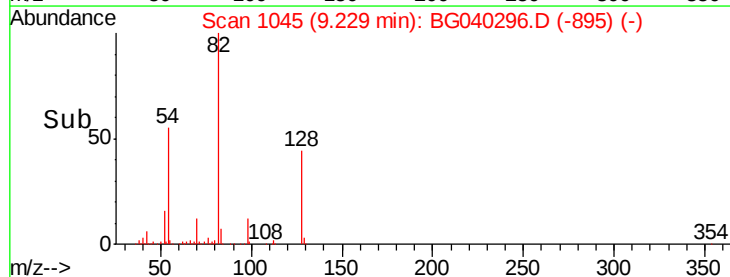
42 51.7 54.0 81.0#

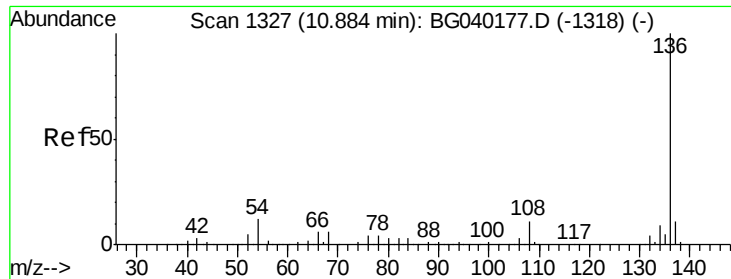
101 0.0 8.6 13.0#

130 1.6 18.2 27.2#



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: 10.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 249812

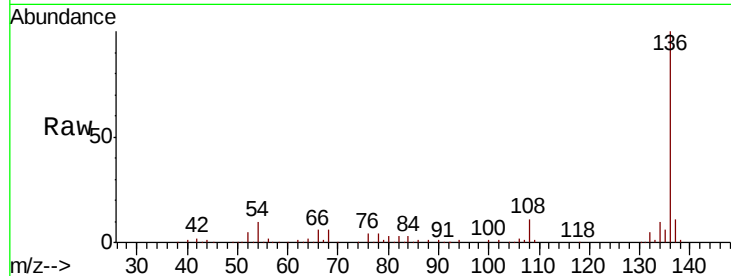
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 10.0 9.6 14.4

68 6.1 5.1 7.7

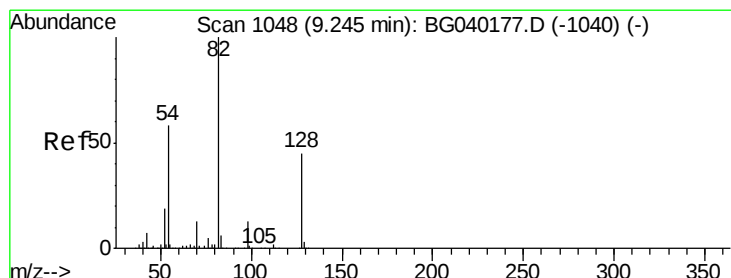
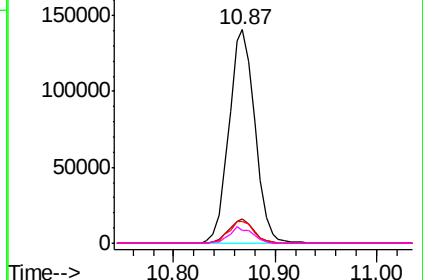
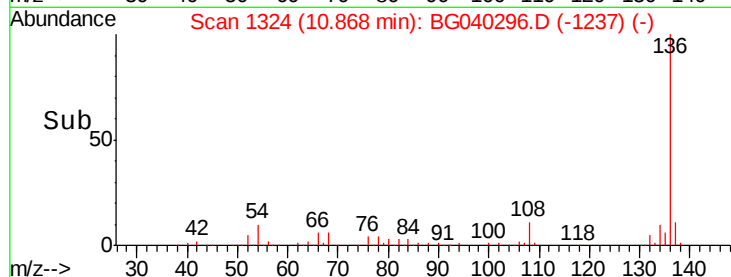


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.077 ng

RT: 9.23 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

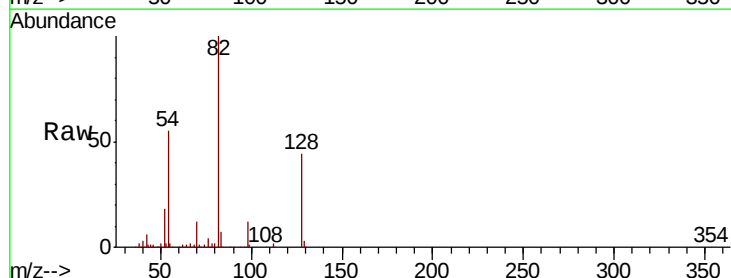
Tgt Ion: 82 Resp: 451544

Ion Ratio Lower Upper

82 100

128 44.1 35.8 53.8

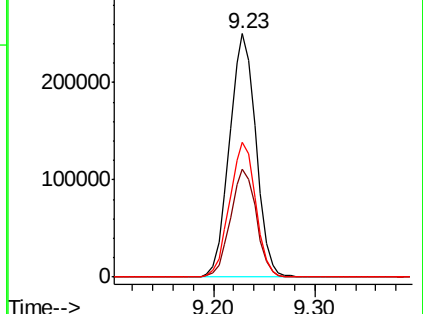
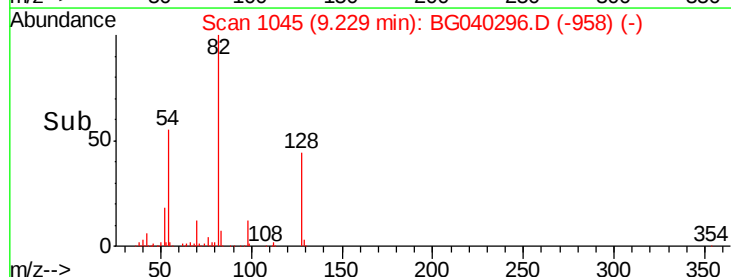
54 55.2 46.2 69.2

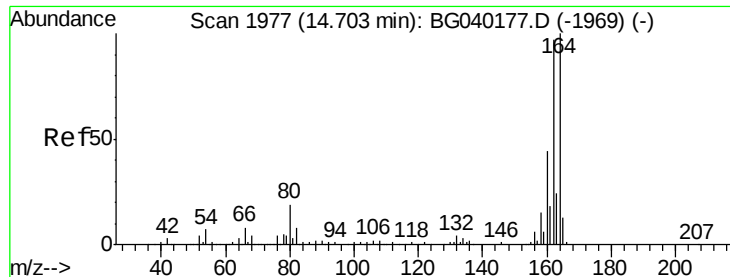


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

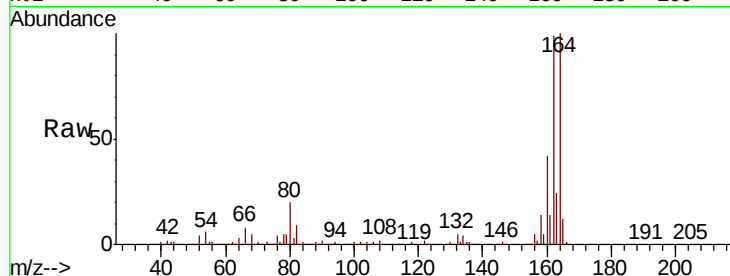




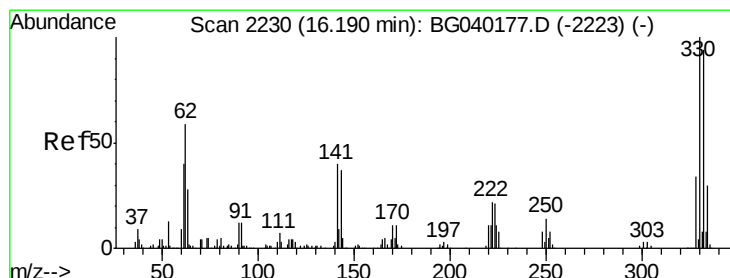
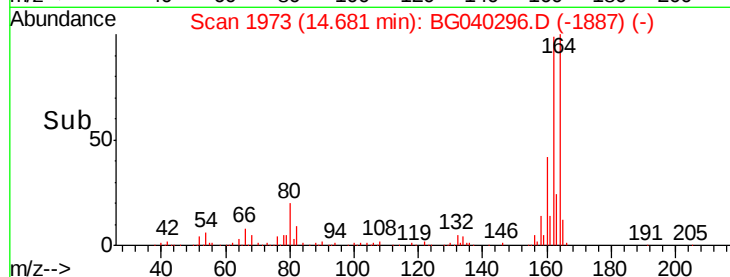
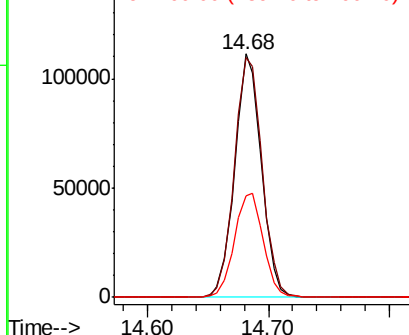
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG040296.D
Acq: 2 Apr 2019 12:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 170954
Ion Ratio Lower Upper
164 100
162 98.6 77.4 116.2
160 41.9 35.3 52.9

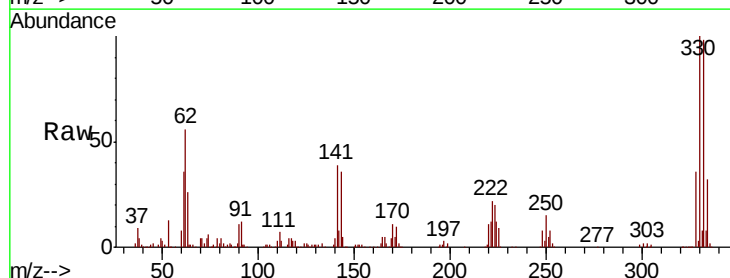


Abundance Ion 164.00 (163.70 to 164.70): E
150000 Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

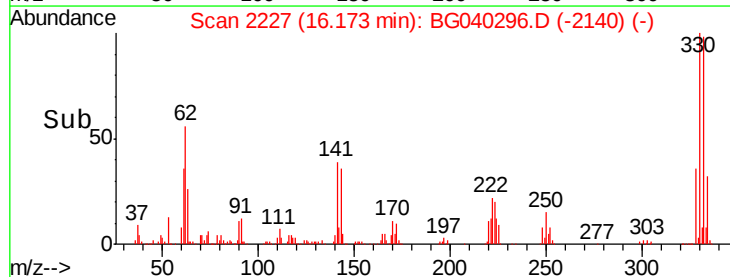
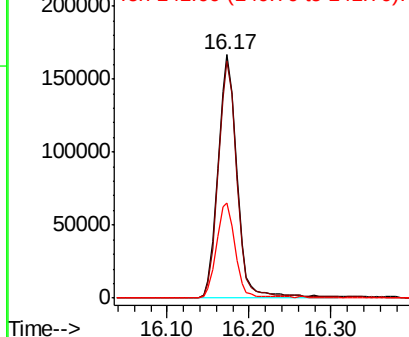


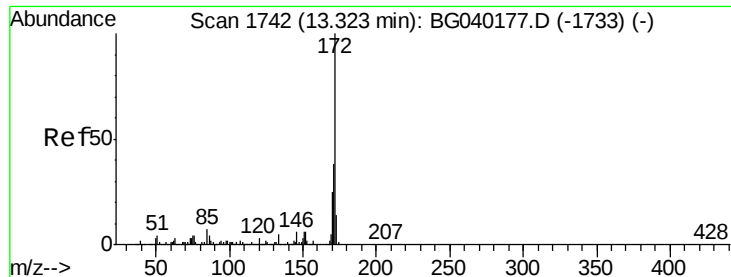
#42
2,4,6-Tribromophenol
Concen: 147.112 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BG040296.D
Acq: 2 Apr 2019 12:28

Tgt Ion:330 Resp: 271799
Ion Ratio Lower Upper
330 100
332 96.5 76.6 115.0
141 38.0 32.6 48.8



Abundance Ion 329.80 (329.50 to 330.50): E
200000 Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

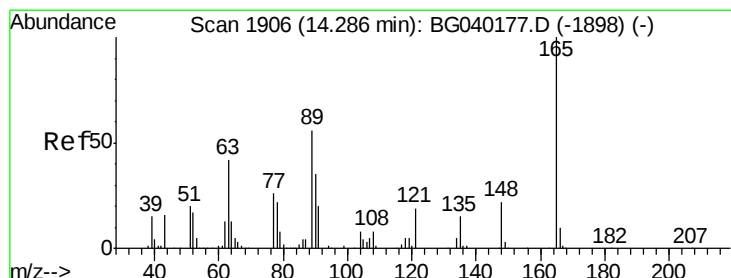
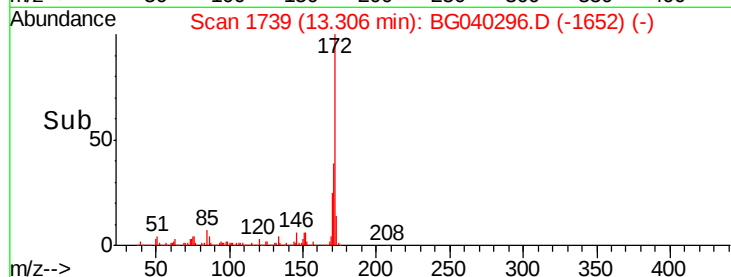
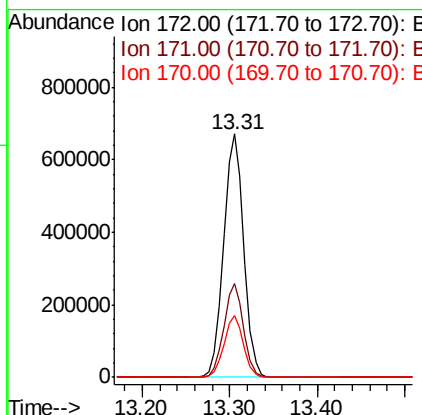
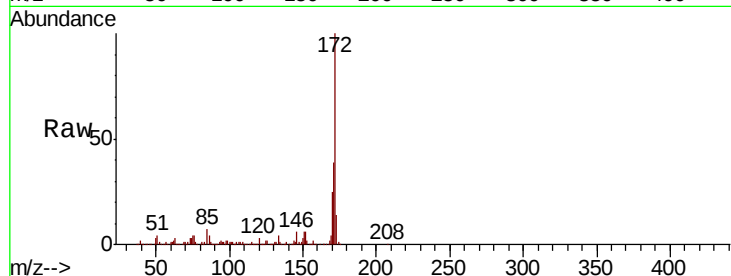




#45
 2-Fluorobiphenyl
 Concen: 91.718 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.02 min
 Lab File: BG040296.D
 Acq: 2 Apr 2019 12:28

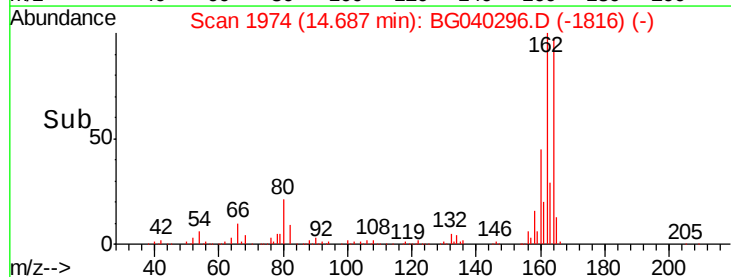
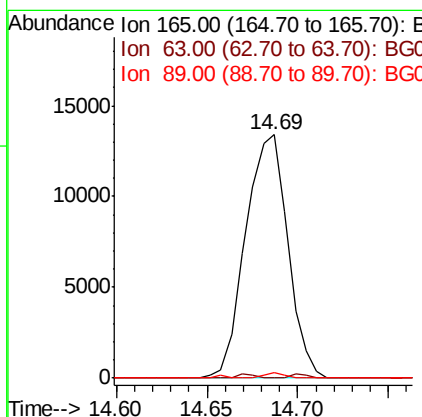
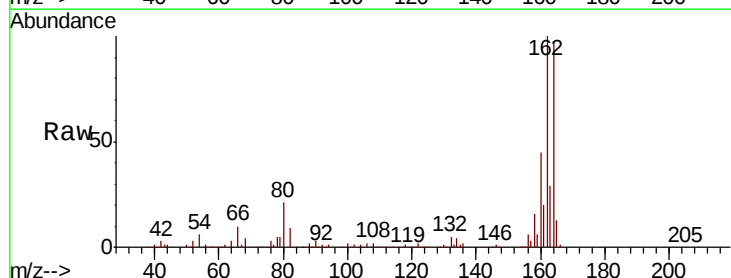
Instrument :
 BNA_G
 ClientSampled :

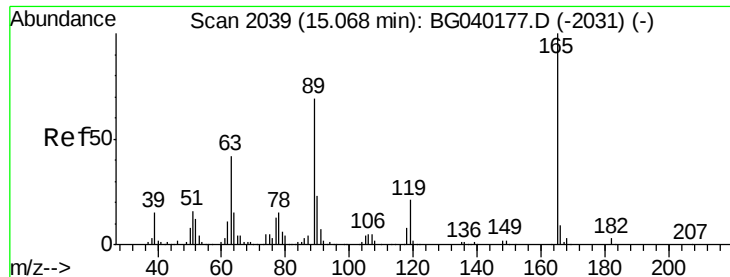
Tot Ion:172 Resp: 1058170
 Ion Ratio Lower Upper
 172 100
 171 38.6 30.5 45.7
 170 25.2 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 7.220 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG040296.D
 Acq: 2 Apr 2019 12:28

Tgt Ion:165 Resp: 21690
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.1 66.1#
 89 2.1 44.9 67.3#

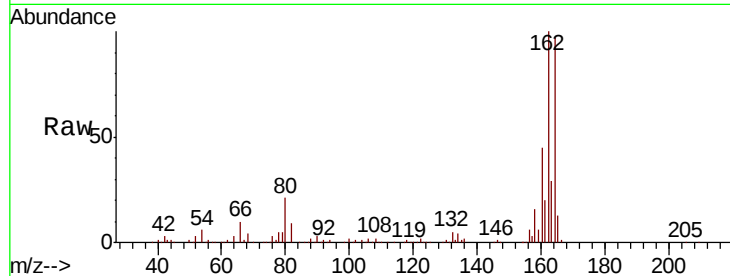




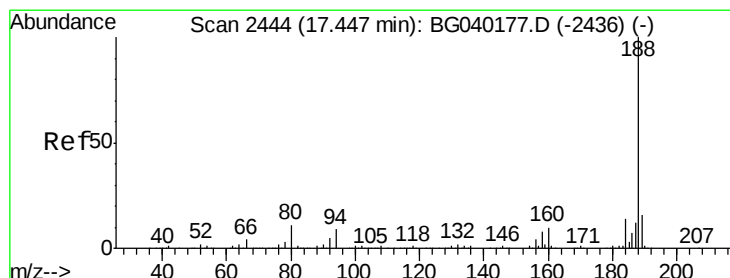
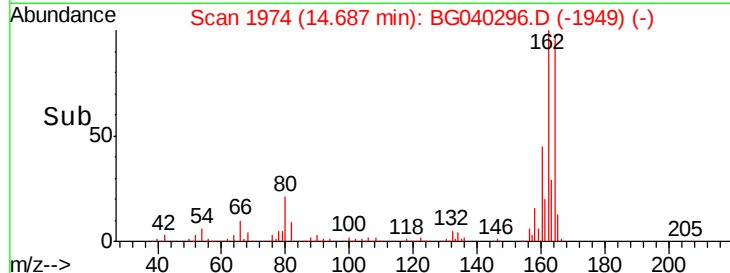
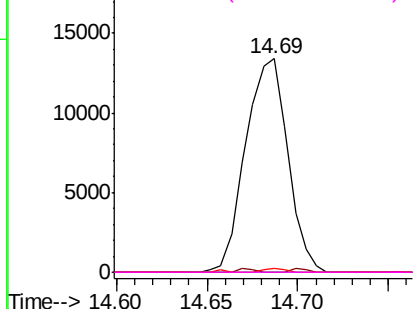
#57
 2,4-Dinitrotoluene
 Concen: 5.196 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG040296.D
 Acq: 2 Apr 2019 12:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 21690
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.8 50.6#
 89 2.1 55.4 83.2#
 182 0.0 2.2 3.4#

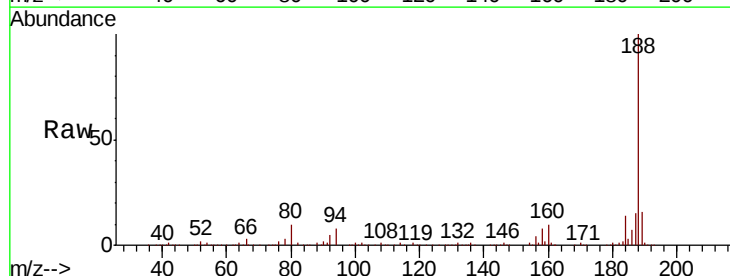


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

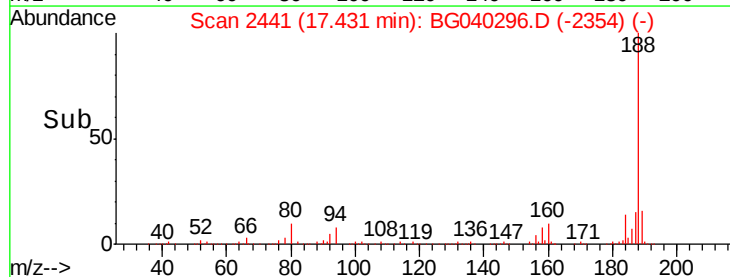
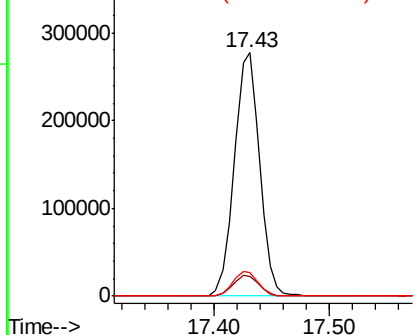


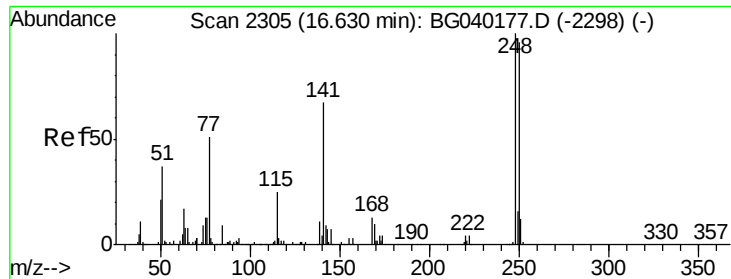
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.02 min
 Lab File: BG040296.D
 Acq: 2 Apr 2019 12:28

Tgt Ion:188 Resp: 418908
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.0 10.4
 80 9.6 8.6 13.0



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

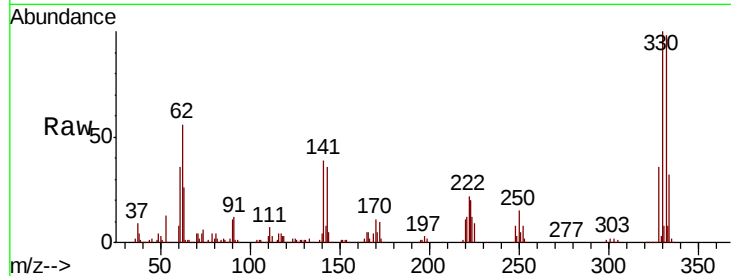




#67
 4-Bromophenyl-phenylether
 Concen: 4.250 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG040296.D
 Acq: 2 Apr 2019 12:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	188.5	76.4	114.6#
141	488.2	53.8	80.8#

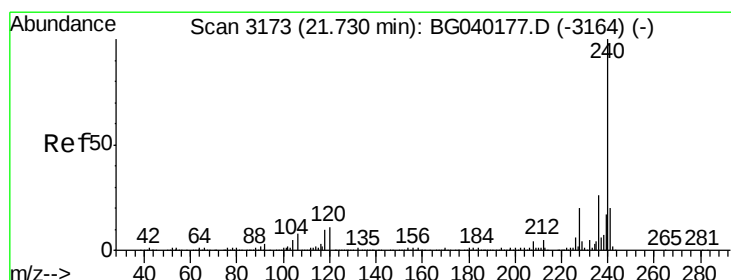
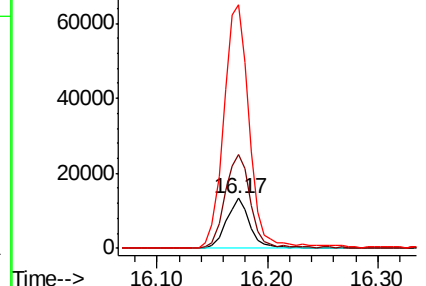
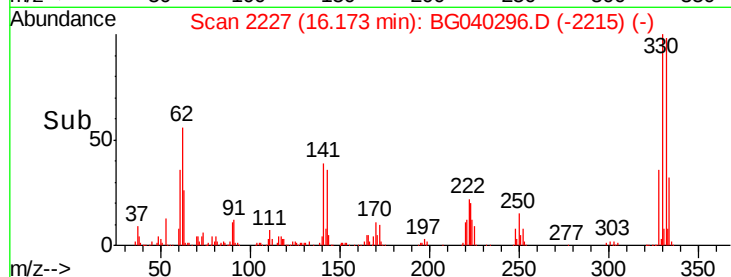


Abundance

Ion 248.00 (247.70 to 248.70): E

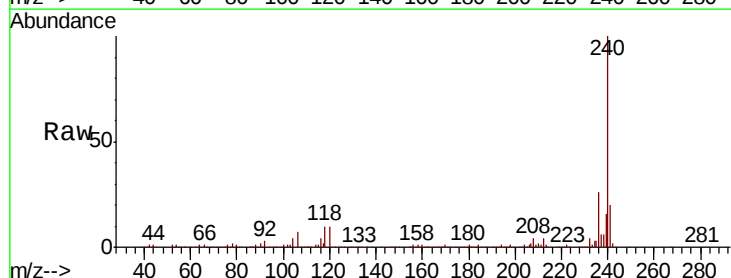
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.02 min
 Lab File: BG040296.D
 Acq: 2 Apr 2019 12:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.4	12.6
236	25.5	20.8	31.2

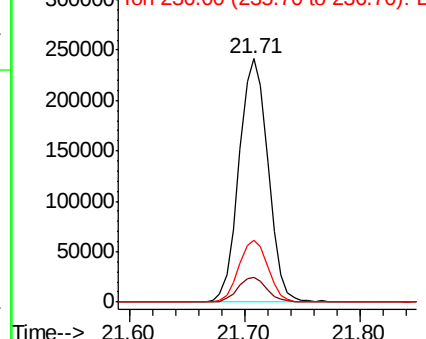
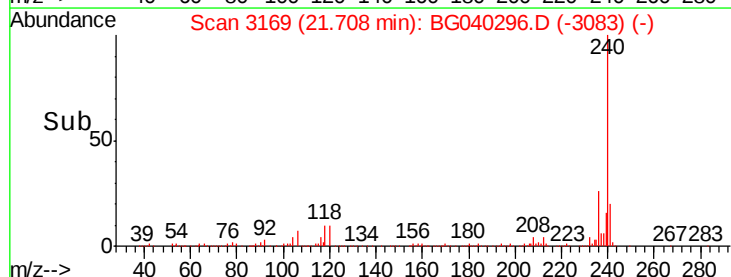


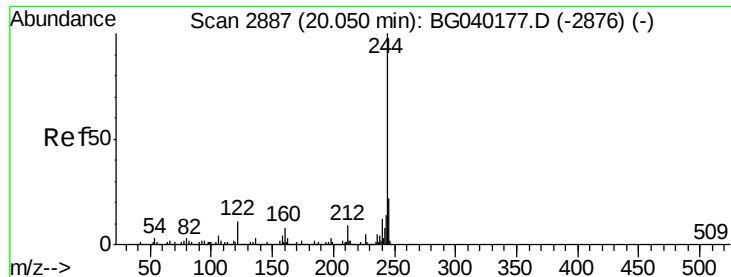
Abundance

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





#79

Terphenyl-d14

Concen: 91.388 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

Instrument :

BNA_G

ClientSampled :

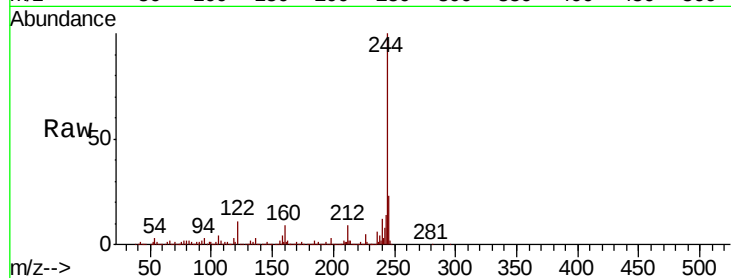
Tot Ion:244 Resp: 1707078

Ion Ratio Lower Upper

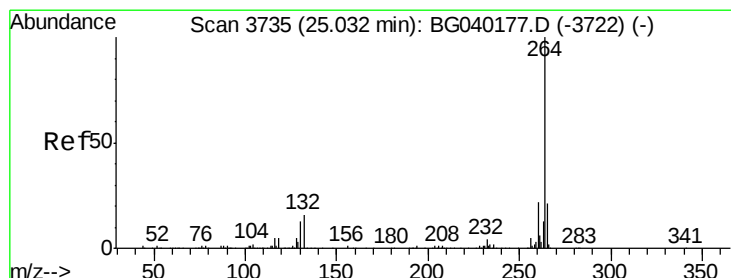
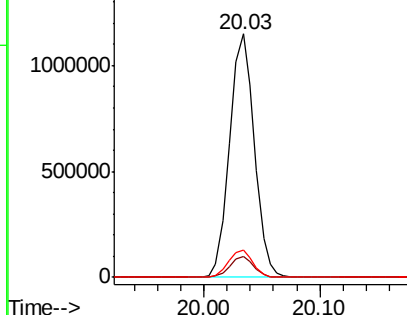
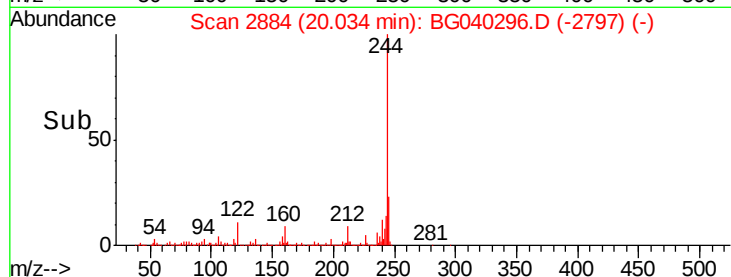
244 100

212 8.8 7.0 10.6

122 11.5 8.5 12.7



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

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3731

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

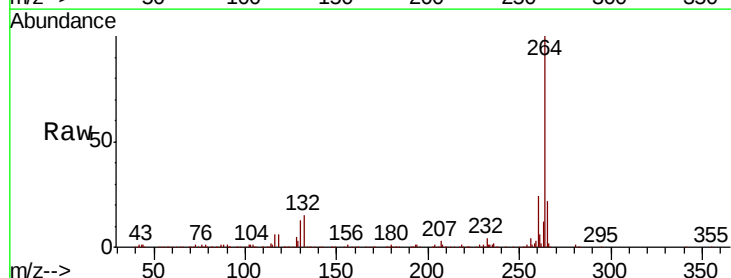
Tgt Ion:264 Resp: 419246

Ion Ratio Lower Upper

264 100

260 23.5 17.9 26.9

265 22.1 16.8 25.2



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

