

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040219\
 Data File : BG040321.D
 Acq On : 3 Apr 2019 9:27
 Operator : JU/SJ
 Sample : PB118519TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 16:18:05 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

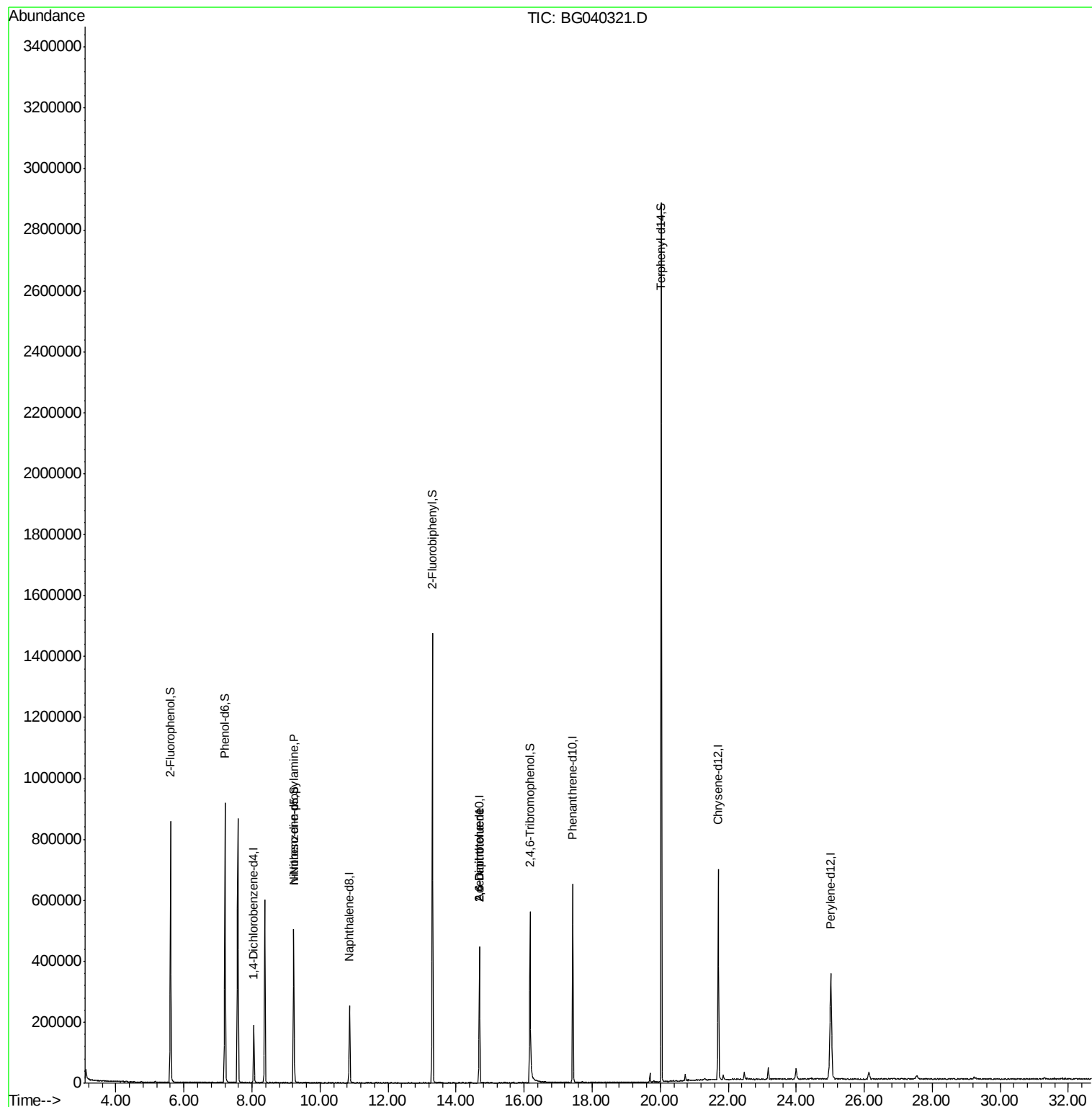
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	53490	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	220372	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	156572	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	412503	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	413005	20.00	ng	-0.02
87) Perylene-d12	25.02	264	409201	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	384202	119.41	ng	-0.01
7) Phenol-d6	7.21	99	539748	121.38	ng	-0.02
23) Nitrobenzene-d5	9.23	82	302667	73.00	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	120656	71.30	ng	-0.02
45) 2-Fluorobiphenyl	13.31	172	777826	73.61	ng	-0.02
79) Terphenyl-d14	20.03	244	1306883	71.19	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	38247	11.996	ng	# 72
51) 2,6-Dinitrotoluene	14.69	165	20335	7.391	ng	# 25
57) 2,4-Dinitrotoluene	14.69	165	20335	5.319	ng	# 25

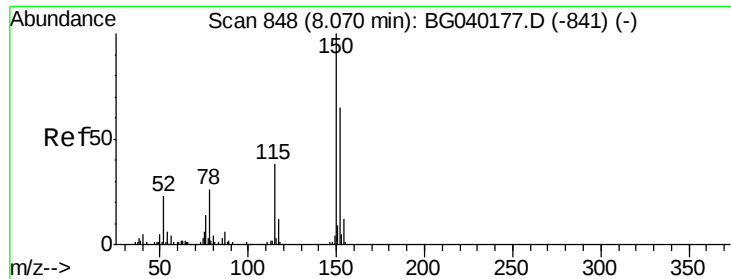
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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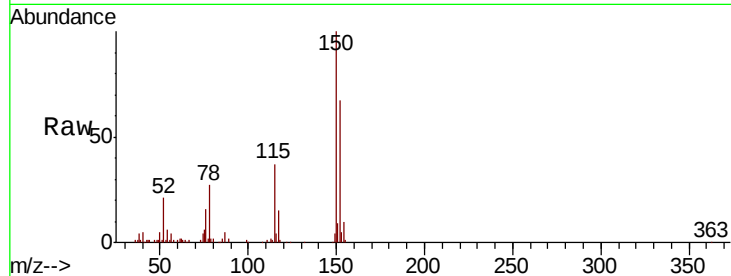


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.02 min
Lab File: BG040321.D
Acq: 3 Apr 2019 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	123.7	185.5
115	55.6	46.9	70.3

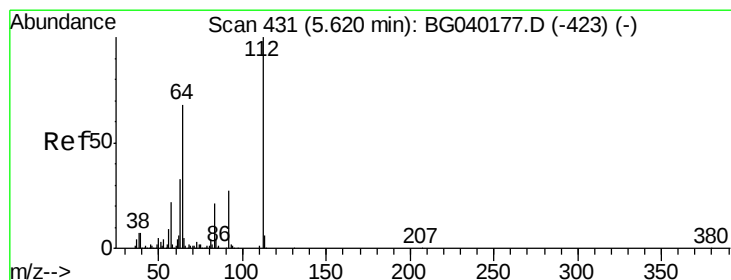
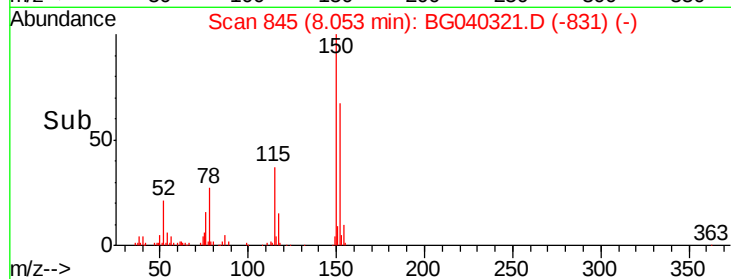
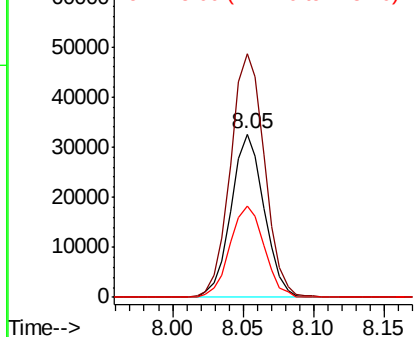


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

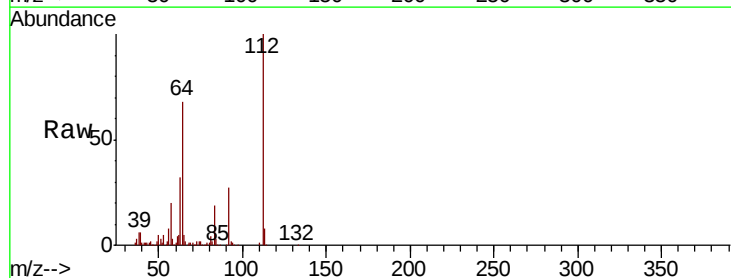
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.406 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.01 min
Lab File: BG040321.D
Acq: 3 Apr 2019 9:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	54.2	81.2
63	32.3	26.4	39.6

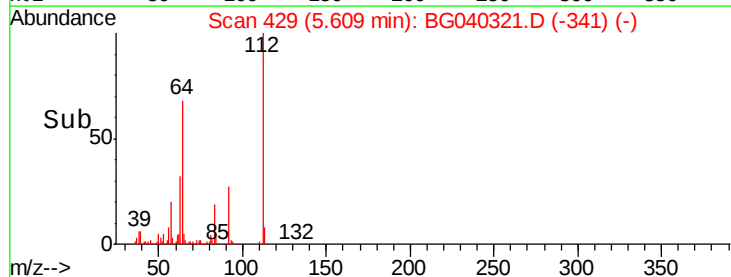
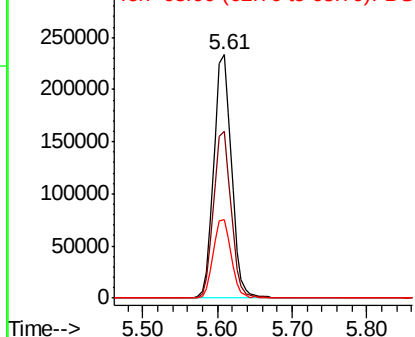


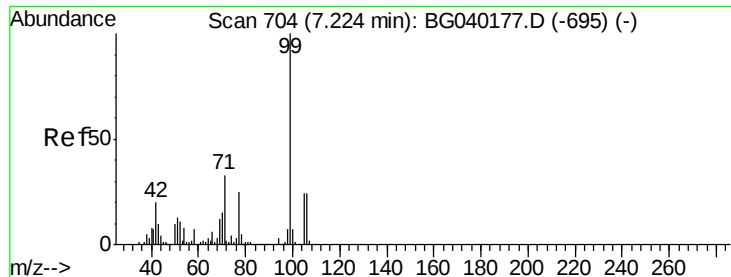
Abundance

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: 121.379 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG040321.D

Acq: 3 Apr 2019 9:27

Instrument :

BNA_F

ClientSampleId :

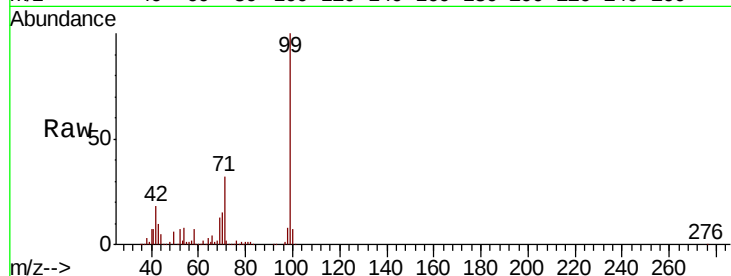
Tot Ion: 99 Resp: 539748

Ion Ratio Lower Upper

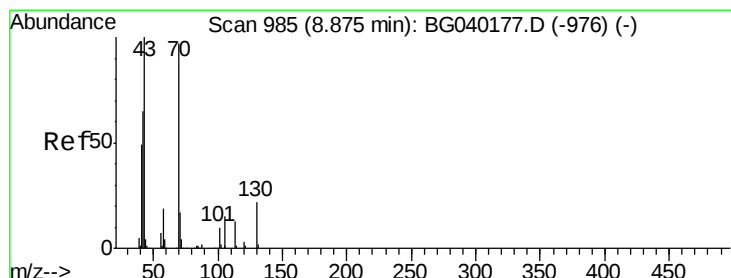
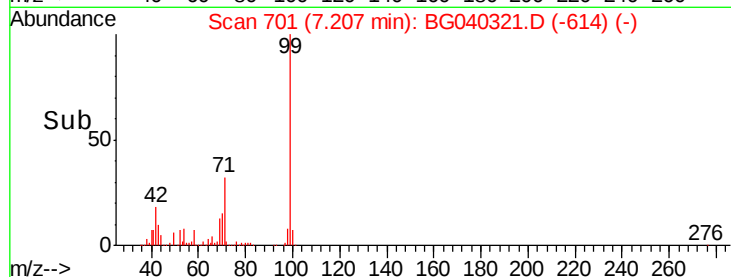
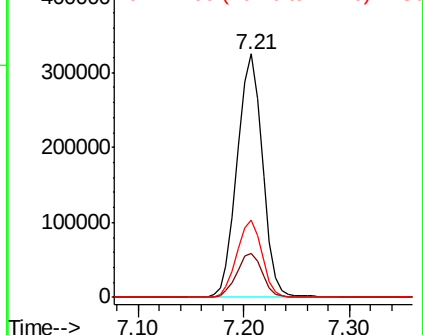
99 100

42 18.2 16.2 24.2

71 31.8 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: 11.996 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.35 min

Lab File: BG040321.D

Acq: 3 Apr 2019 9:27

Tgt Ion: 70 Resp: 38247

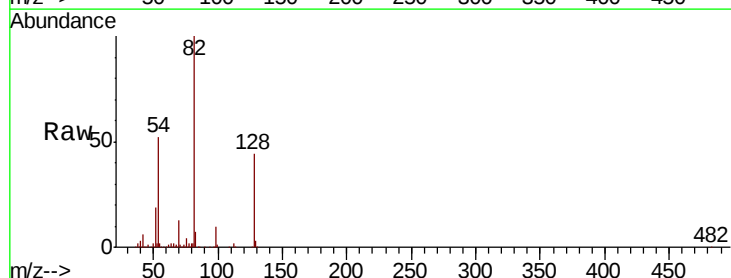
Ion Ratio Lower Upper

70 100

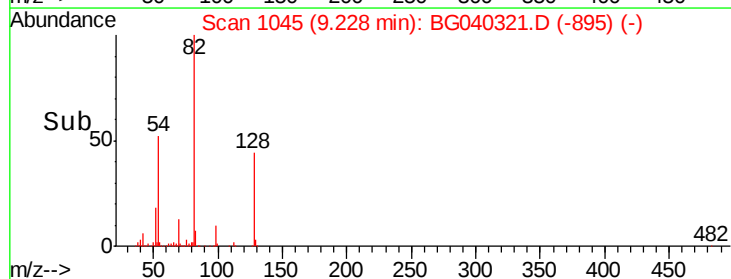
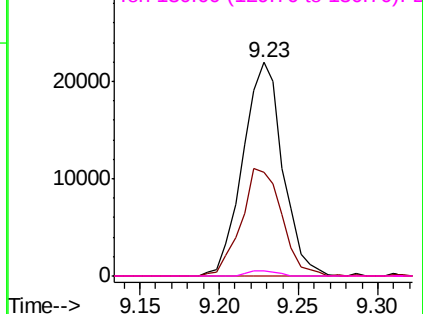
42 48.7 54.0 81.0#

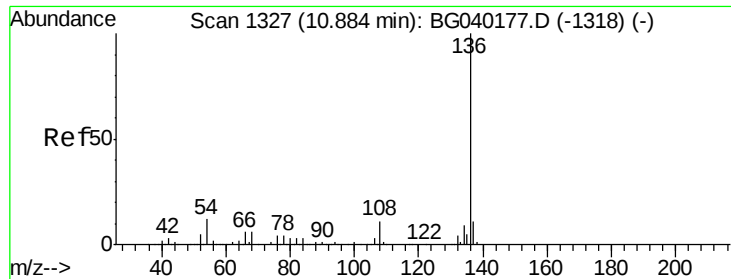
101 0.0 8.6 13.0#

130 2.2 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

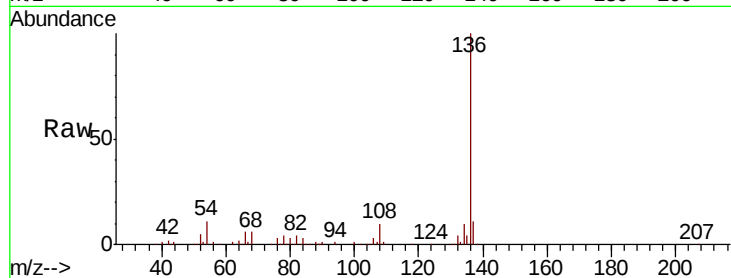




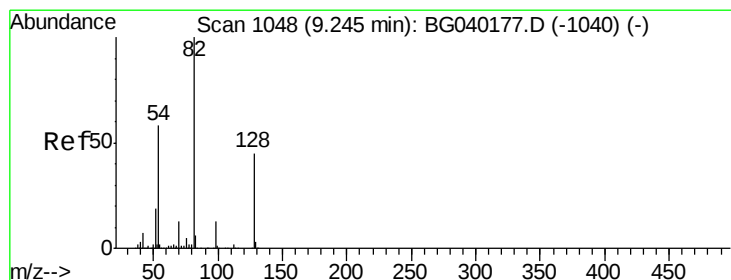
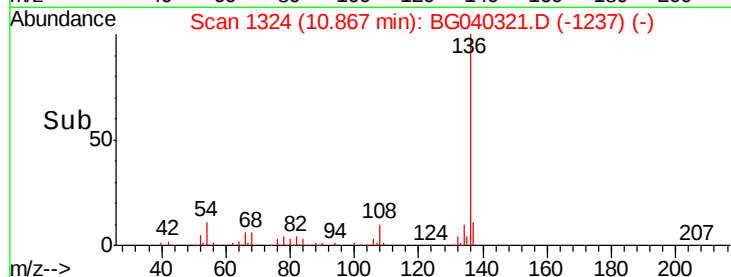
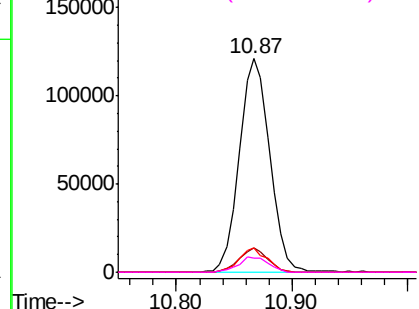
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BG040321.D
Acq: 3 Apr 2019 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	220372
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.9 13.3
54	11.4	9.6 14.4
68	6.5	5.1 7.7

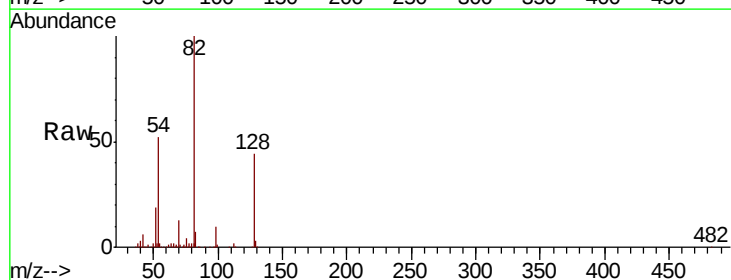


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

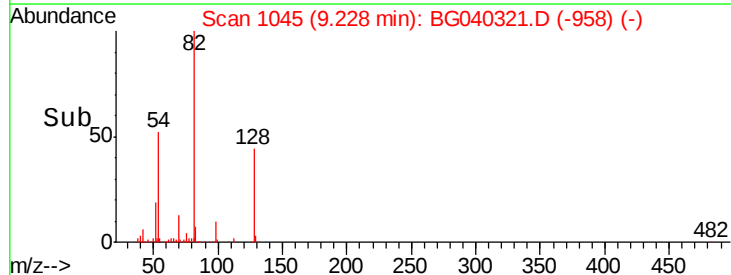
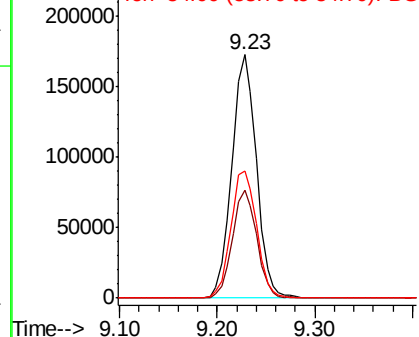


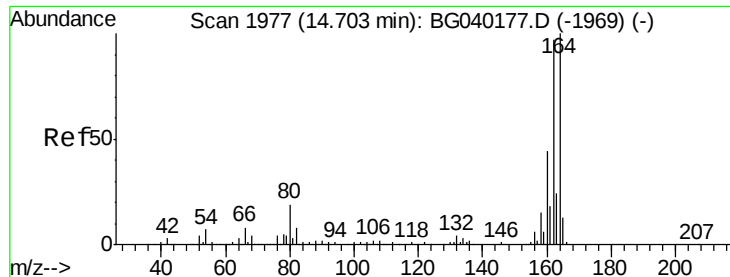
#23
Nitrobenzene-d5
Concen: 73.003 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.02 min
Lab File: BG040321.D
Acq: 3 Apr 2019 9:27

Tgt Ion: 82	Resp:	302667
Ion Ratio	Lower	Upper
82	100	
128	44.5	35.8 53.8
54	52.3	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

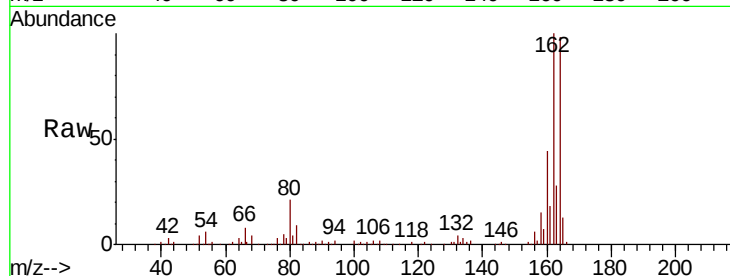




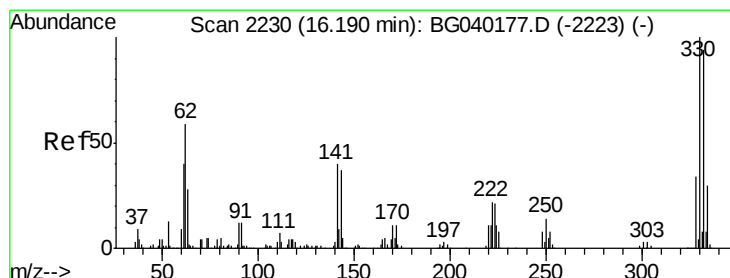
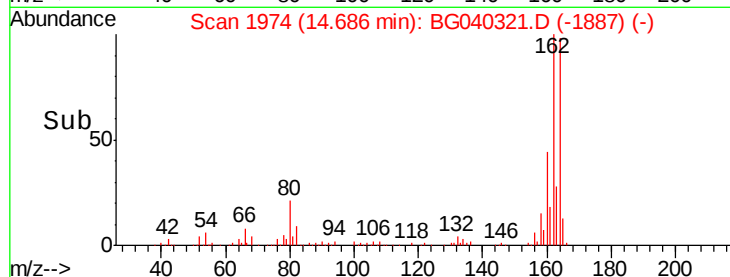
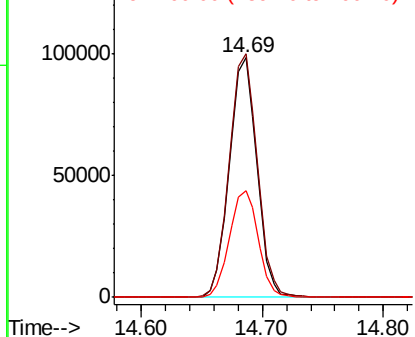
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BG040321.D
Acq: 3 Apr 2019 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 156572
Ion Ratio Lower Upper
164 100
162 101.6 77.4 116.2
160 44.4 35.3 52.9

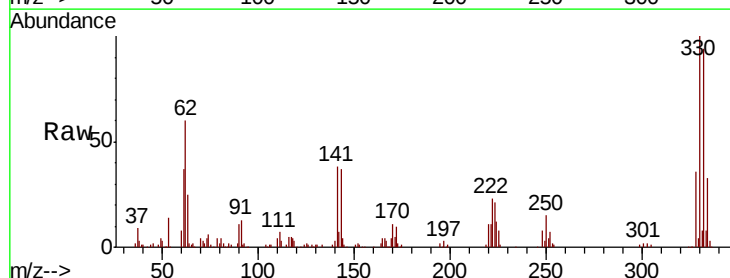


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

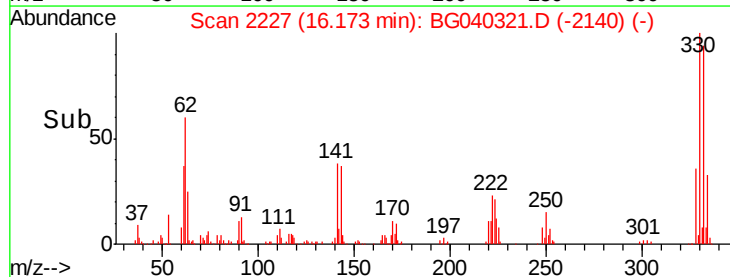
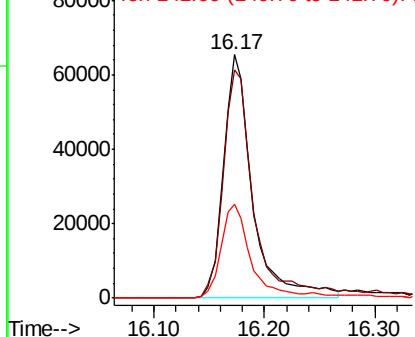


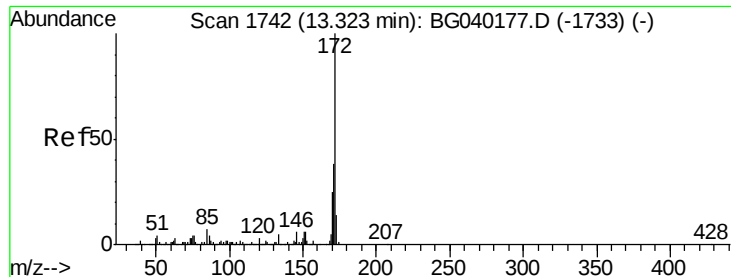
#42
2,4,6-Tribromophenol
Concen: 71.304 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BG040321.D
Acq: 3 Apr 2019 9:27

Tgt Ion:330 Resp: 120656
Ion Ratio Lower Upper
330 100
332 100.5 76.6 115.0
141 38.7 32.6 48.8



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

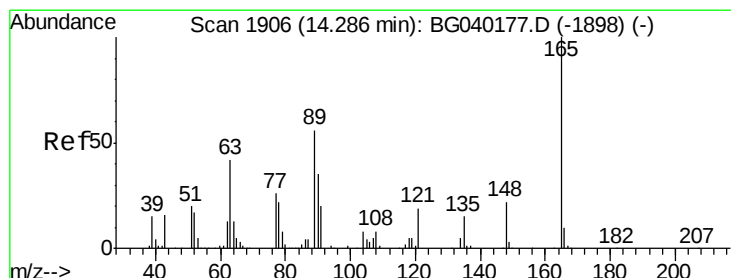
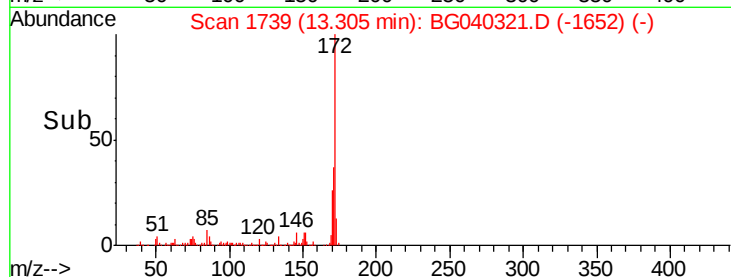
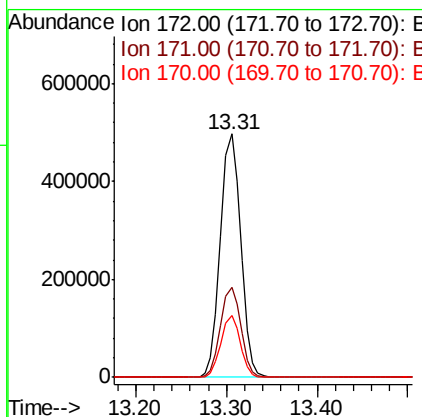
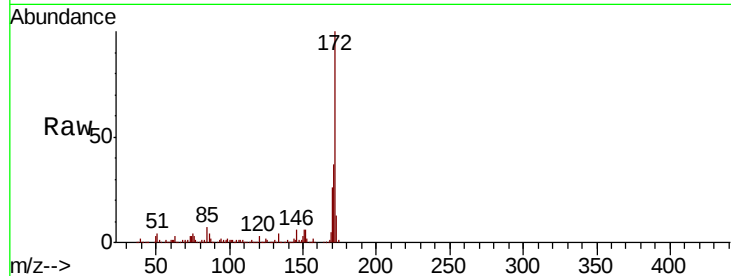




#45
2-Fluorobiphenyl
Concen: 73.612 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG040321.D
Acq: 3 Apr 2019 9:27

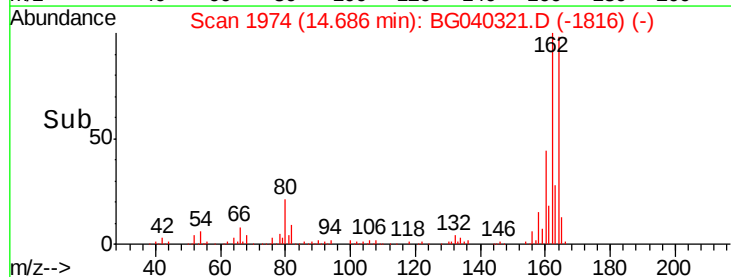
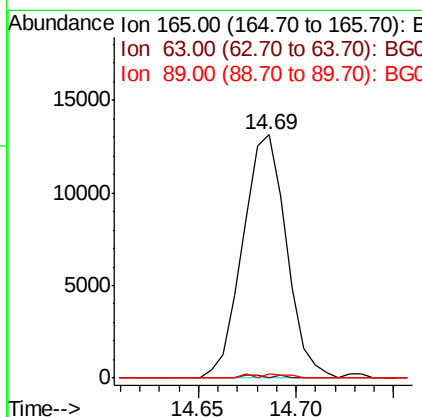
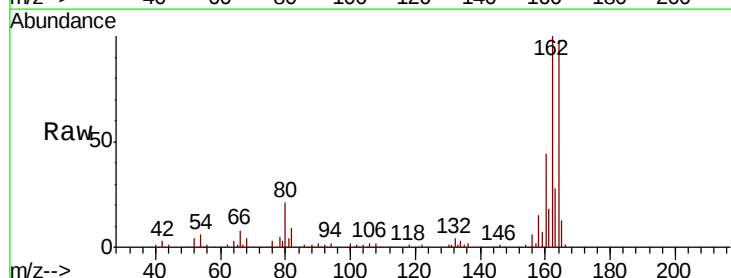
Instrument :
BNA_F
ClientSampleId :

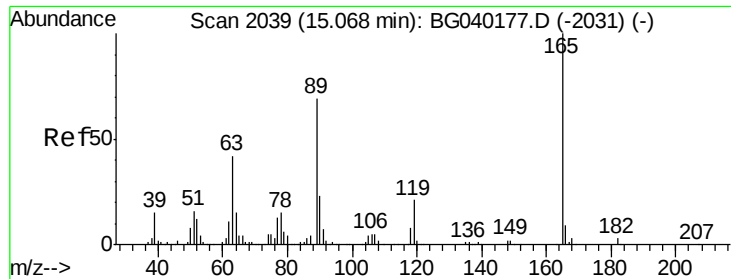
Tot Ion:172 Resp: 777826
Ion Ratio Lower Upper
172 100
171 37.1 30.5 45.7
170 25.6 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.391 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.40 min
Lab File: BG040321.D
Acq: 3 Apr 2019 9:27

Tgt Ion:165 Resp: 20335
Ion Ratio Lower Upper
165 100
63 0.0 44.1 66.1#
89 1.9 44.9 67.3#

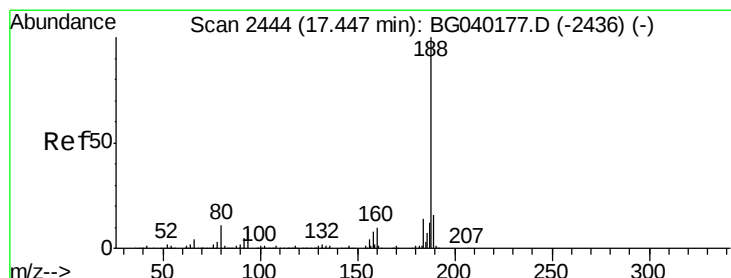
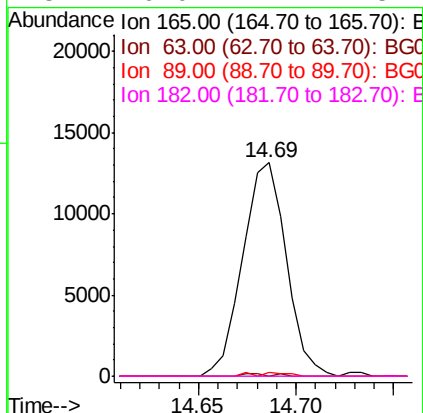
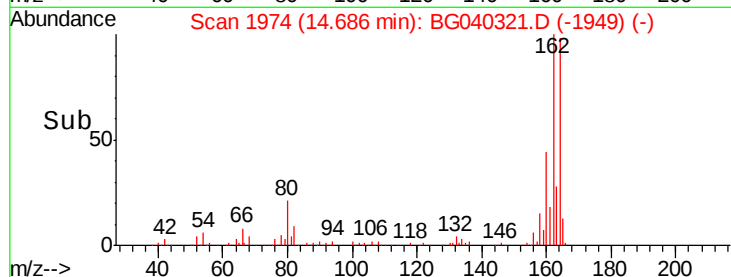
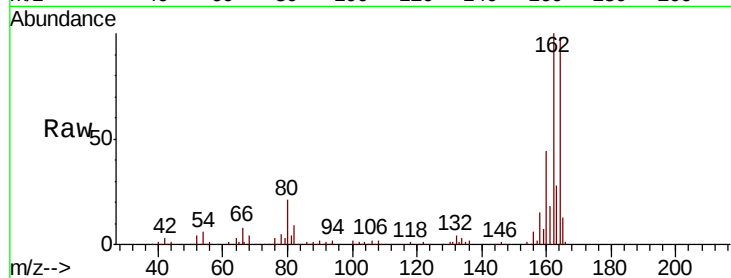




#57
 2,4-Dinitrotoluene
 Concen: 5.319 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG040321.D
 Acq: 3 Apr 2019 9:27

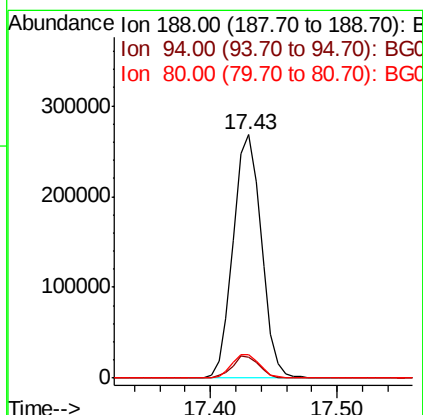
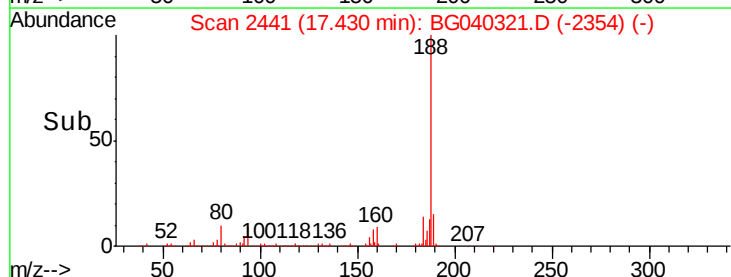
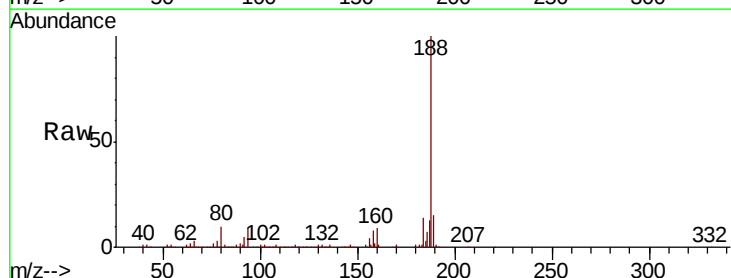
Instrument :
 BNA_F
 ClientSampleId :

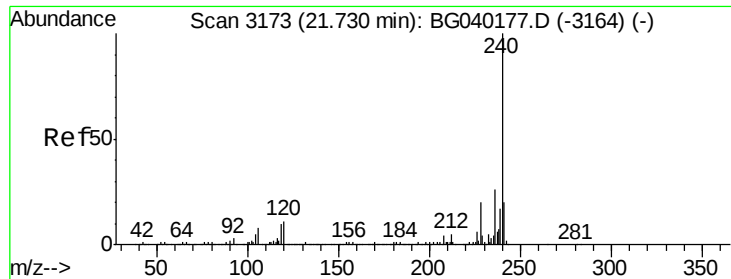
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.6#
89	1.9	55.4	83.2#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.02 min
 Lab File: BG040321.D
 Acq: 3 Apr 2019 9:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.0	10.4
80	9.7	8.6	13.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.71 min Scan# 3169

Delta R.T. -0.02 min

Lab File: BG040321.D

Acq: 3 Apr 2019 9:27

Instrument :

BNA_F

ClientSampleId :

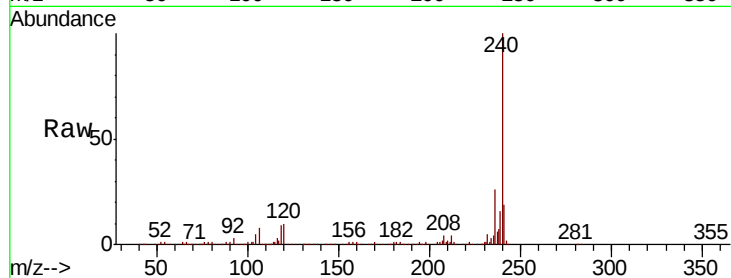
Tot Ion:240 Resp: 413005

Ion Ratio Lower Upper

240 100

120 9.9 8.4 12.6

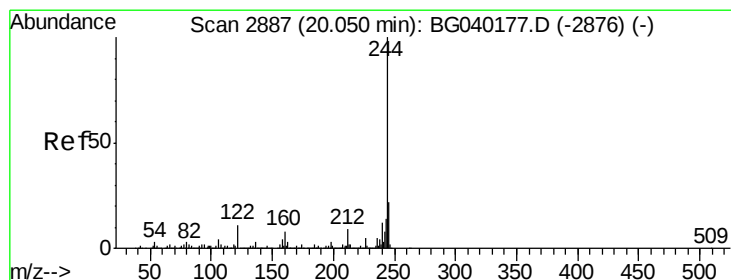
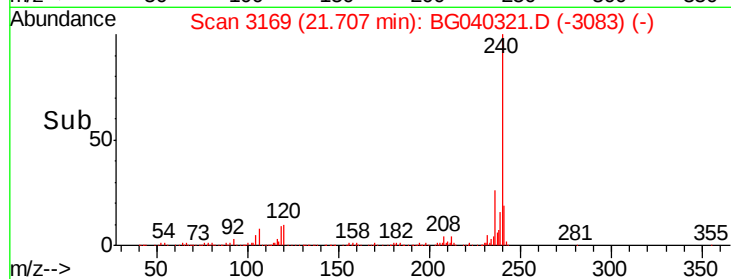
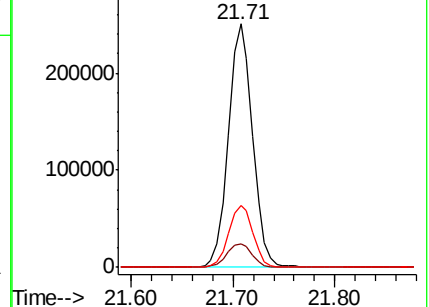
236 25.5 20.8 31.2



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: 71.186 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG040321.D

Acq: 3 Apr 2019 9:27

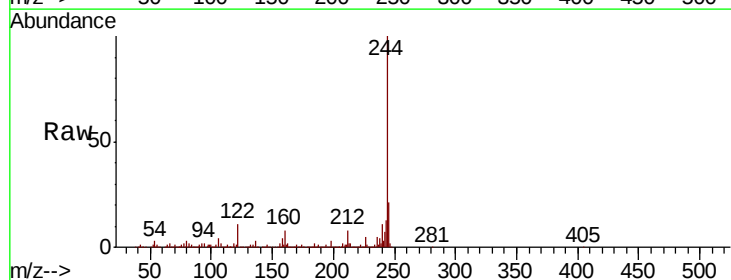
Tgt Ion:244 Resp: 1306883

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

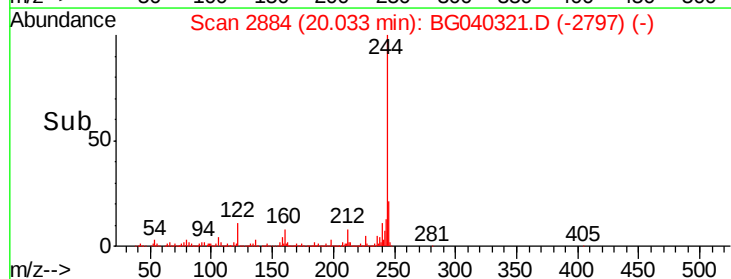
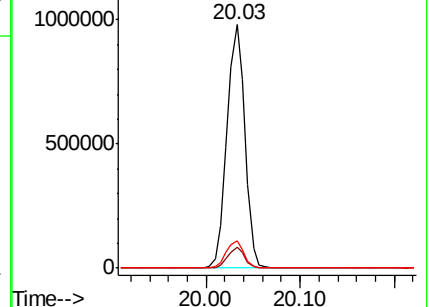
122 11.3 8.5 12.7

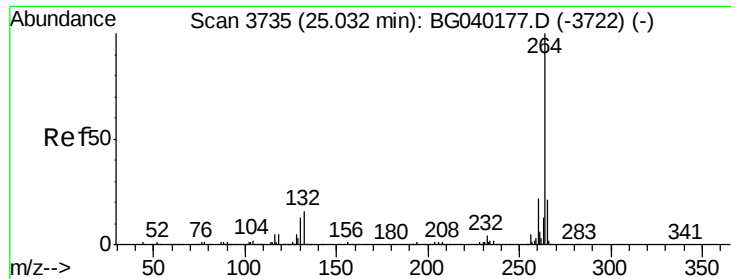


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

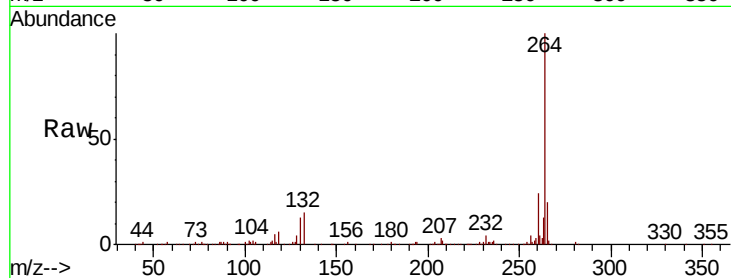




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3733
Delta R.T. -0.01 min
Lab File: BG040321.D
Acq: 3 Apr 2019 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.9	26.9
265	20.0	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

