

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041619\
 Data File : BG040509.D
 Acq On : 16 Apr 2019 18:50
 Operator : JU/SJ
 Sample : K2423-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 17 00:51:35 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

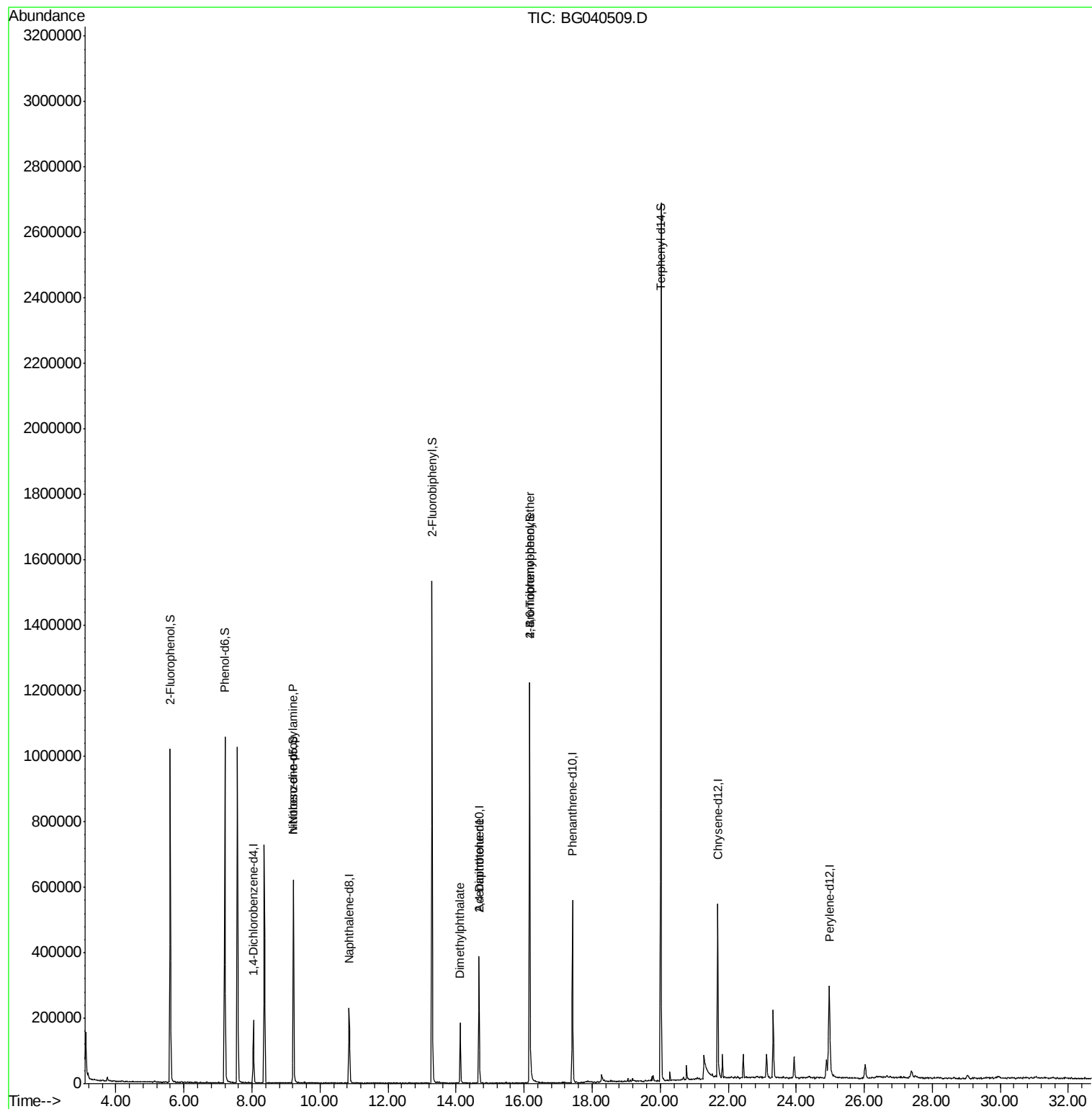
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	54852	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	215576	20.00	ng	-0.03
39) Acenaphthene-d10	14.67	164	135661	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	363990	20.00	ng	-0.03
76) Chrysene-d12	21.69	240	319109	20.00	ng	-0.04
87) Perylene-d12	24.97	264	335174	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	451414	136.81	ng	-0.02
7) Phenol-d6	7.20	99	634893	139.23	ng	-0.02
23) Nitrobenzene-d5	9.22	82	385191	94.97	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	231356	157.80	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	837560	91.48	ng	-0.03
79) Terphenyl-d14	20.02	244	1279232	90.18	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	49657	15.188	ng	# 72
50) Dimethylphthalate	14.12	163	139030	13.095	ng	# 97
57) 2,4-Dinitrotoluene	14.67	165	17856	5.390	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	18147	4.430	ng	# 1

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

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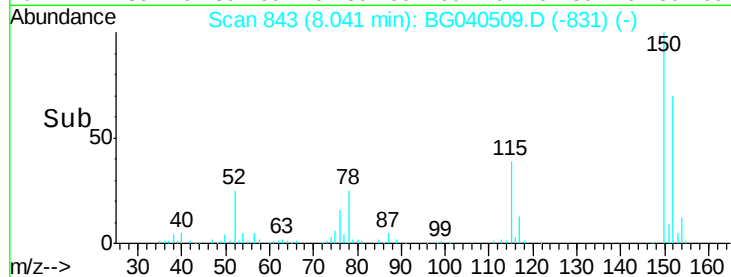
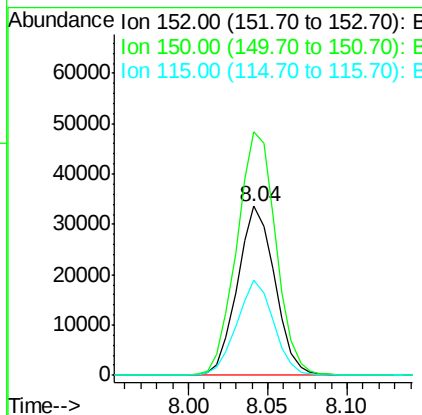
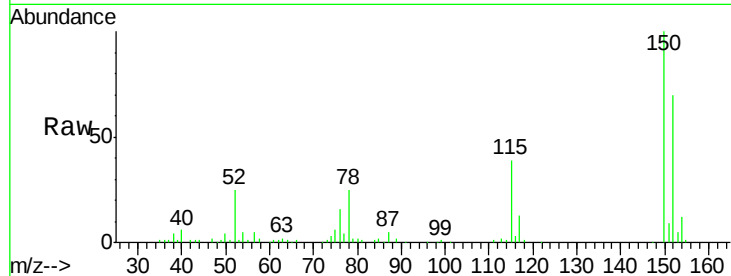


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.03 min
Lab File: BG040509.D
Acq: 16 Apr 2019 18:50

Instrument :
BNA_G
ClientSampleId :

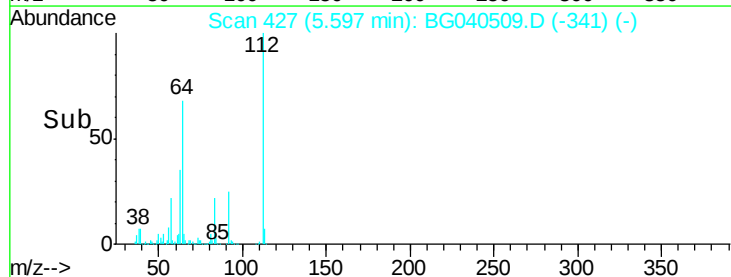
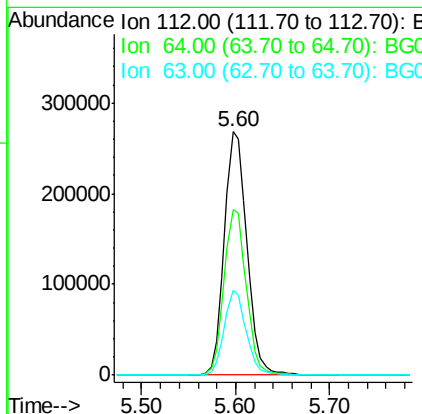
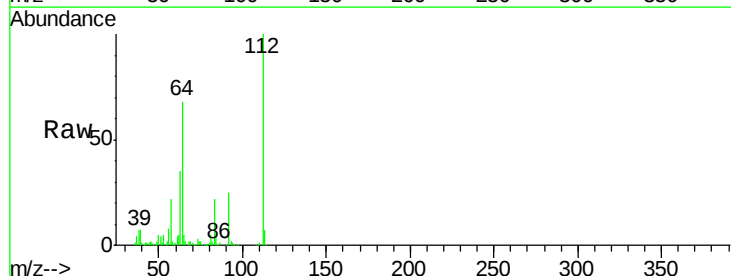
Tot Ion:152 Resp: 54852
Ion Ratio Lower Upper
152 100
150 143.8 123.7 185.5
115 56.4 46.9 70.3



#5

2-Fluorophenol
Concen: 136.811 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.02 min
Lab File: BG040509.D
Acq: 16 Apr 2019 18:50

Tgt Ion:112 Resp: 451414
Ion Ratio Lower Upper
112 100
64 67.8 54.2 81.2
63 35.1 26.4 39.6





#7

Phenol-d6

Concen: 139.230 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040509.D

Acq: 16 Apr 2019 18:50

Instrument :

BNA_G

ClientSampleId :

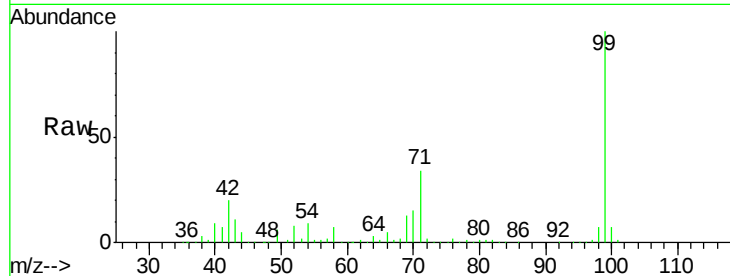
Tot Ion: 99 Resp: 634893

Ion Ratio Lower Upper

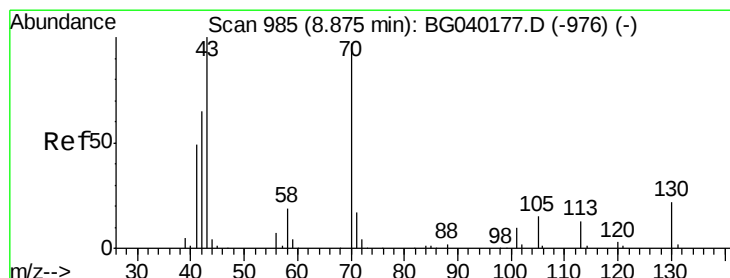
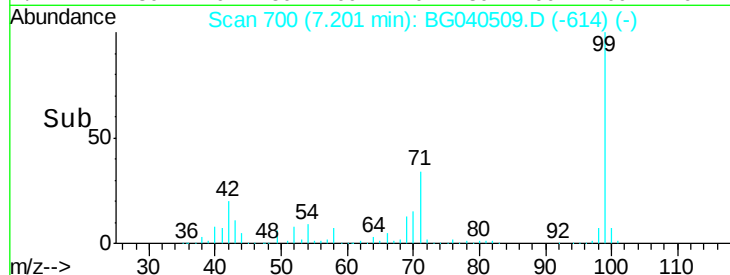
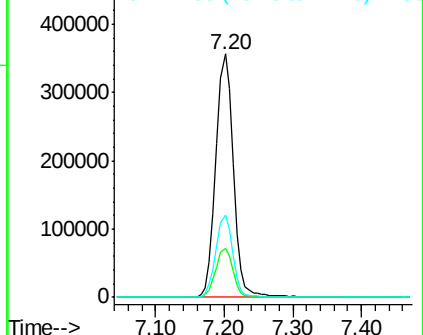
99 100

42 20.0 16.2 24.2

71 33.8 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: 15.188 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG040509.D

Acq: 16 Apr 2019 18:50

Tgt Ion: 70 Resp: 49657

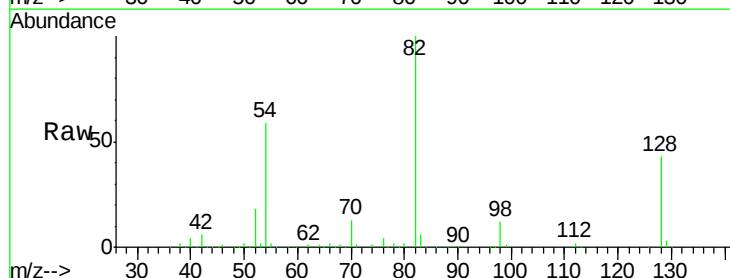
Ion Ratio Lower Upper

70 100

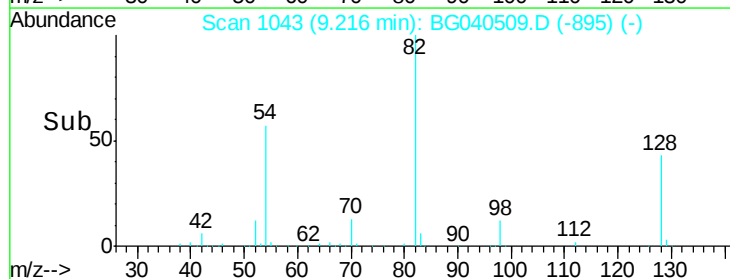
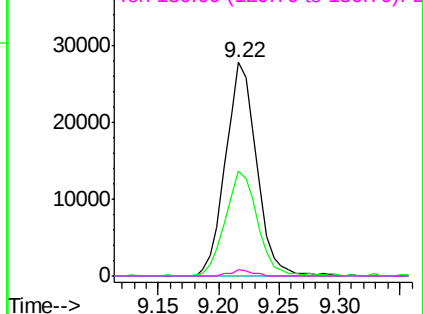
42 48.9 54.0 81.0#

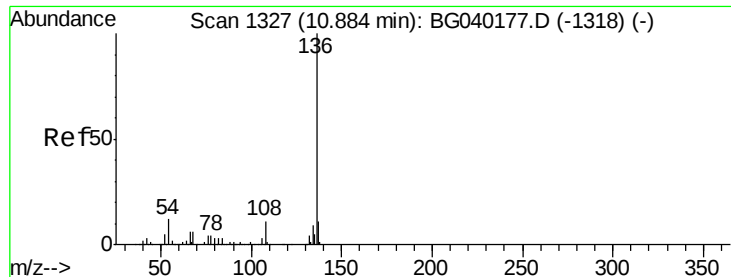
101 0.0 8.6 13.0#

130 3.2 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

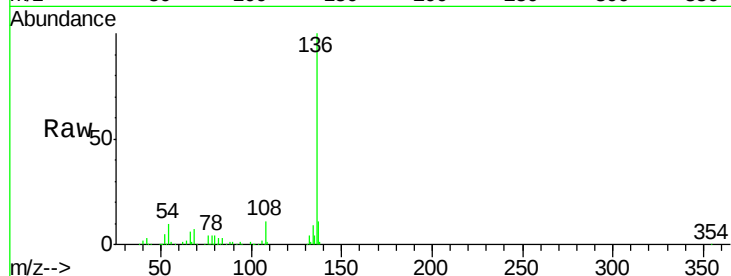




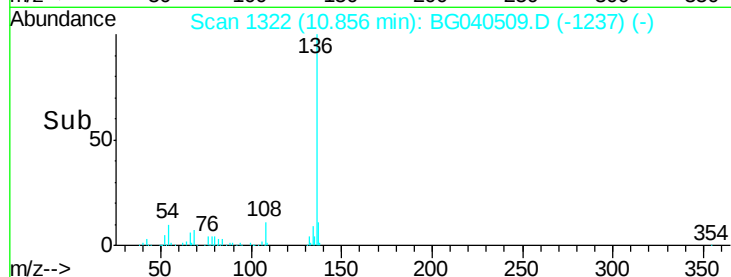
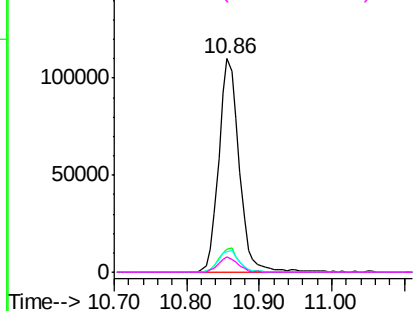
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.03 min
Lab File: BG040509.D
Acq: 16 Apr 2019 18:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	215576
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	9.7	9.6 14.4
68	7.1	5.1 7.7

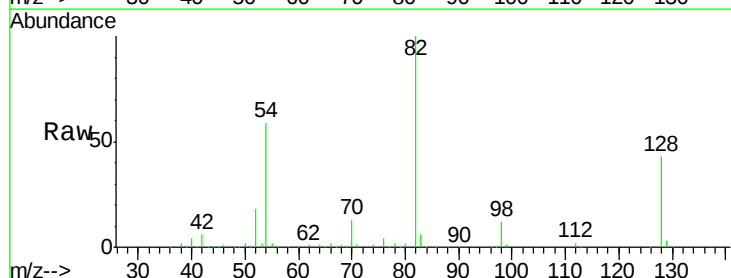


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

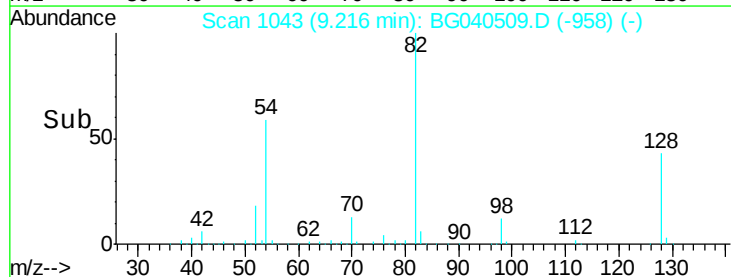
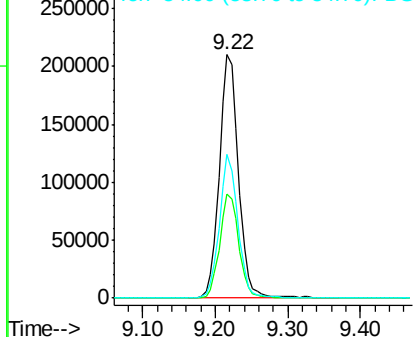


#23
Nitrobenzene-d5
Concen: 94.974 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BG040509.D
Acq: 16 Apr 2019 18:50

Tgt Ion: 82	Resp:	385191
Ion Ratio	Lower	Upper
82	100	
128	42.8	35.8 53.8
54	58.9	46.2 69.2



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B

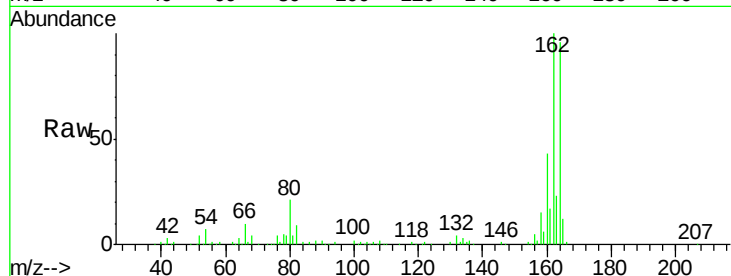




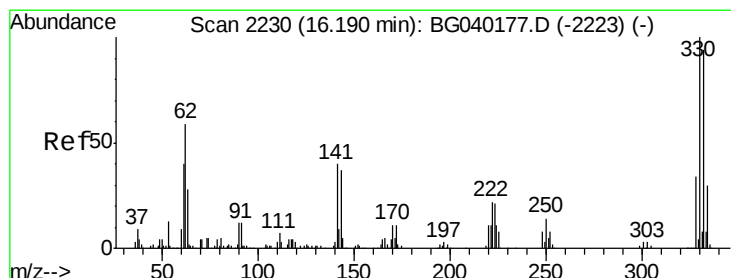
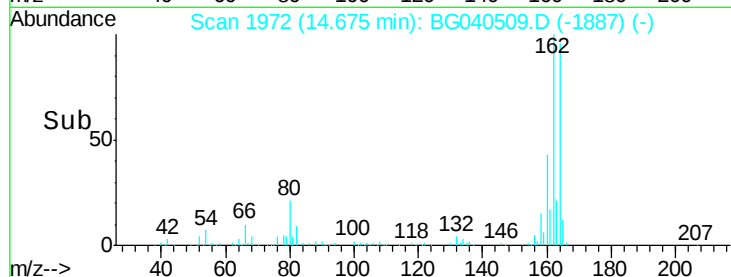
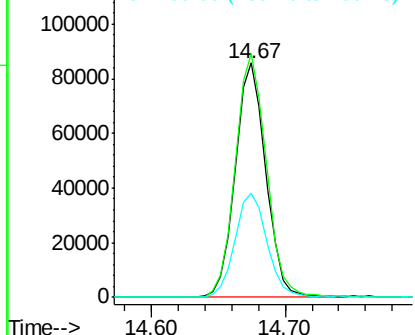
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.03 min
Lab File: BG040509.D
Acq: 16 Apr 2019 18:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 135661
Ion Ratio Lower Upper
164 100
162 103.9 77.4 116.2
160 44.4 35.3 52.9

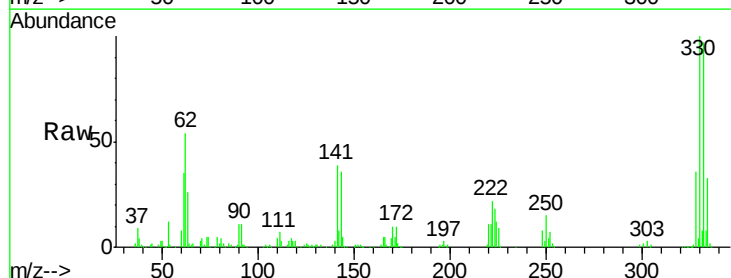


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

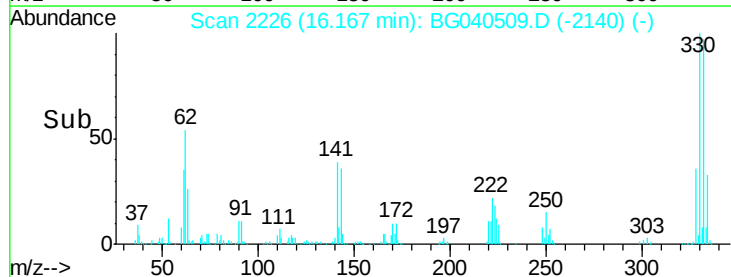
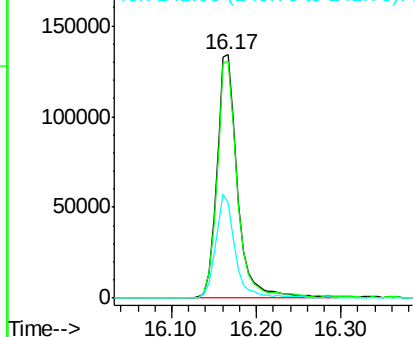


#42
2,4,6-Tribromophenol
Concen: 157.799 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.02 min
Lab File: BG040509.D
Acq: 16 Apr 2019 18:50

Tgt Ion:330 Resp: 231356
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 40.4 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

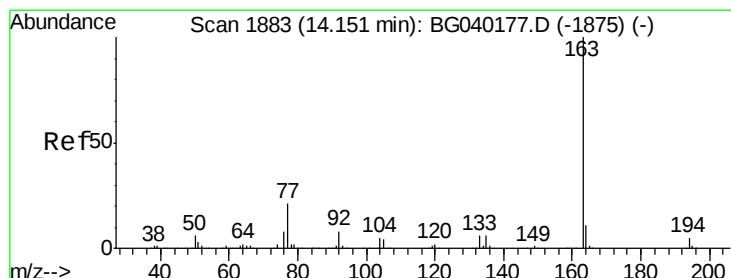
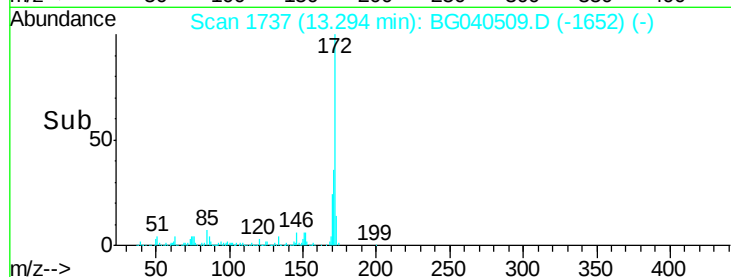
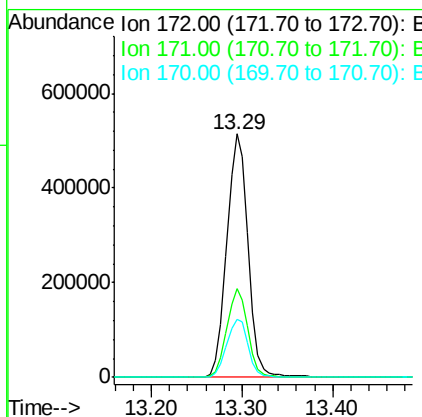
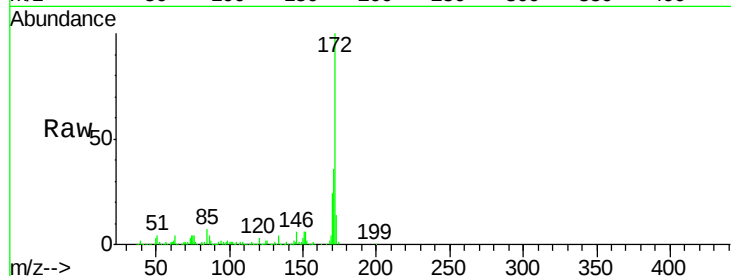




#45
2-Fluorobiphenyl
Concen: 91.483 ng
RT: 13.29 min Scan# 1737
Delta R.T. -0.03 min
Lab File: BG040509.D
Acq: 16 Apr 2019 18:50

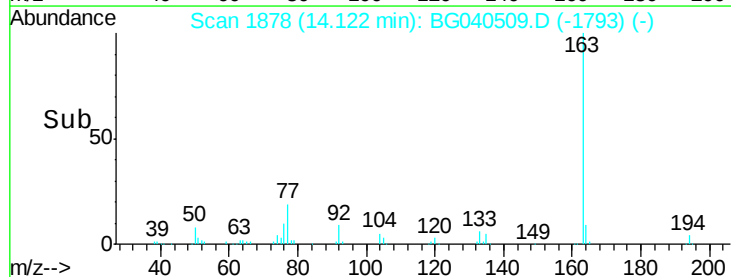
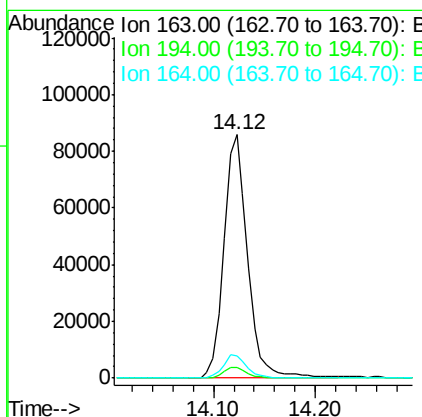
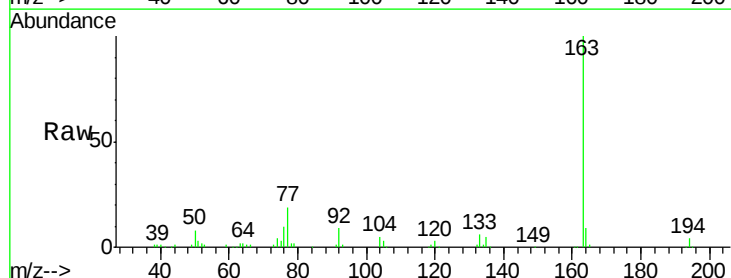
Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 837560
Ion Ratio Lower Upper
172 100
171 36.5 30.5 45.7
170 24.1 20.1 30.1



#50
Dimethylphthalate
Concen: 13.095 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.03 min
Lab File: BG040509.D
Acq: 16 Apr 2019 18:50

Tgt Ion:163 Resp: 139030
Ion Ratio Lower Upper
163 100
194 4.3 4.1 6.1
164 9.4 8.6 13.0

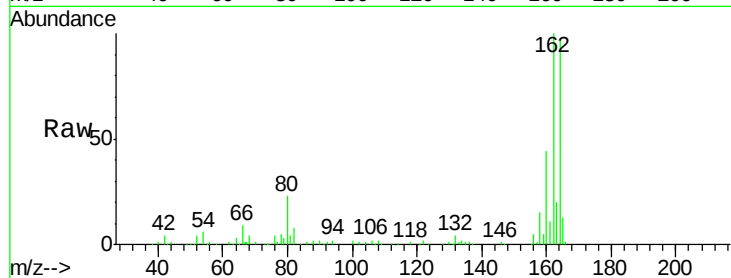




#57
 2,4-Dinitrotoluene
 Concen: 5.390 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.40 min
 Lab File: BG040509.D
 Acq: 16 Apr 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	33.8	50.6#
89	0.0	55.4	83.2#
182	0.0	2.2	3.4#

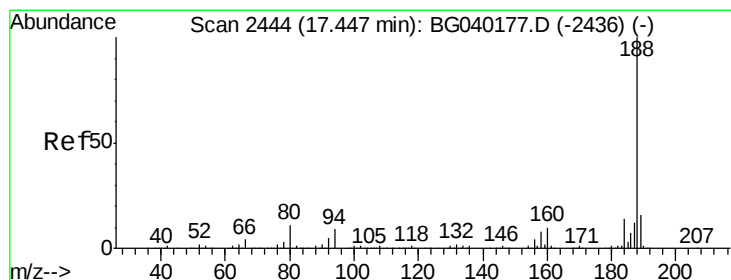
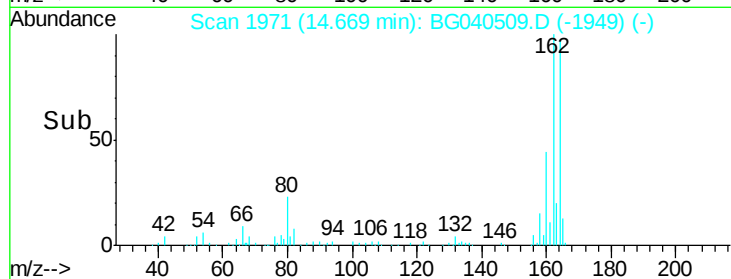
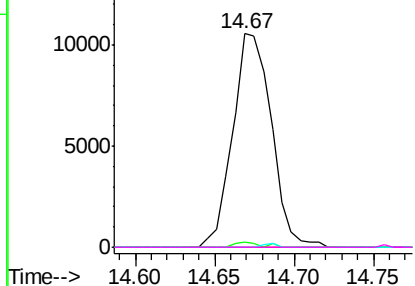


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

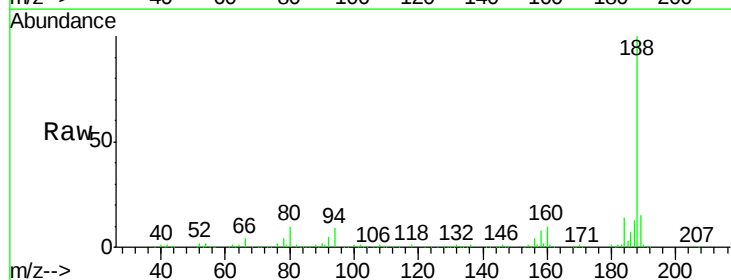
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.03 min
 Lab File: BG040509.D
 Acq: 16 Apr 2019 18:50

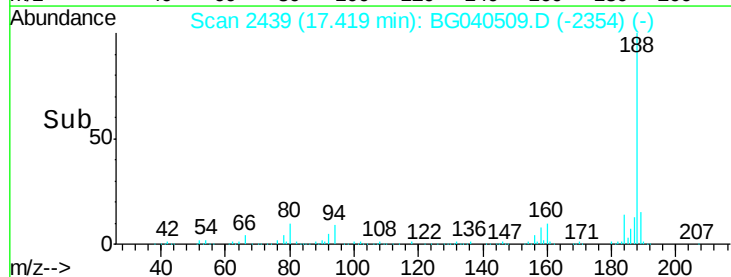
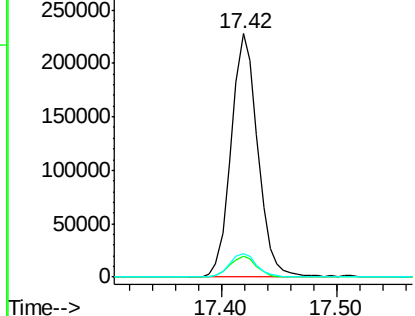
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.4
80	9.8	8.6	13.0



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

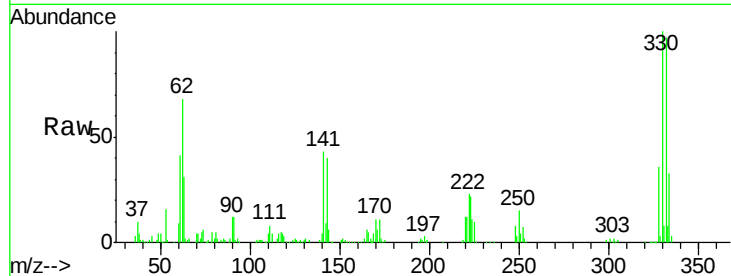




#67
 4-Bromophenyl-phenylether
 Concen: 4.430 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.47 min
 Lab File: BG040509.D
 Acq: 16 Apr 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	179.6	76.4	114.6#
141	519.5	53.8	80.8#

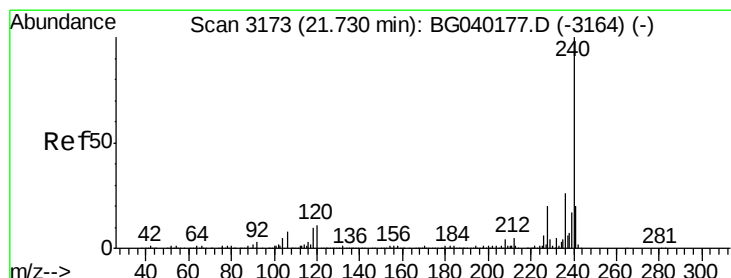
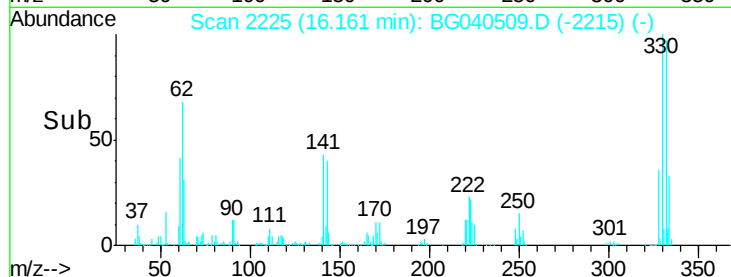
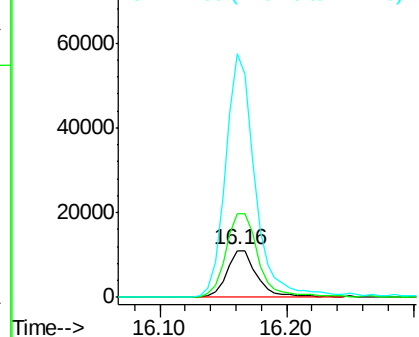


Abundance

Ion 248.00 (247.70 to 248.70): E

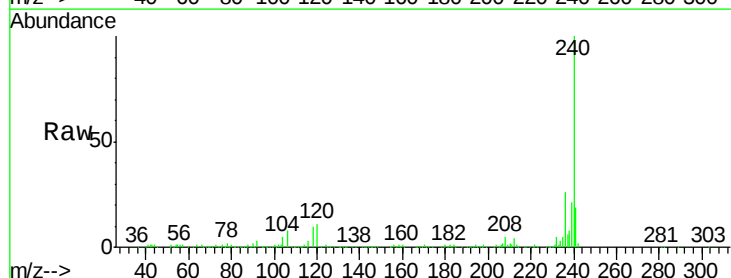
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.04 min
 Lab File: BG040509.D
 Acq: 16 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.4	12.6
236	25.7	20.8	31.2

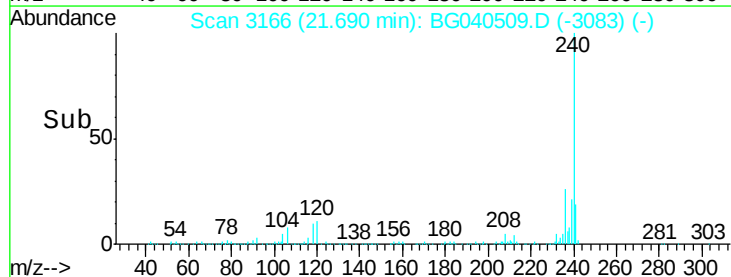
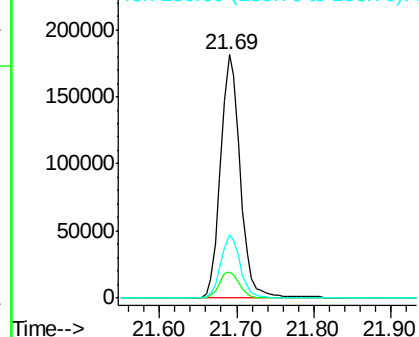


Abundance

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: 90.183 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040509.D

Acq: 16 Apr 2019 18:50

Instrument :

BNA_G

ClientSampleId :

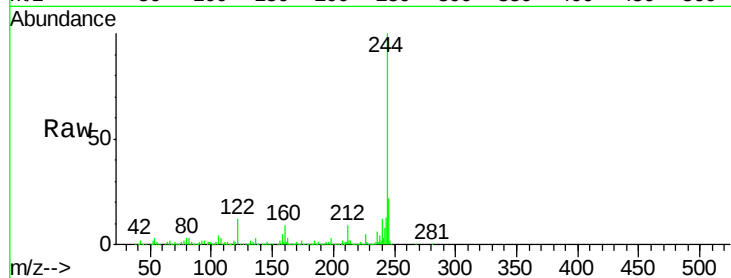
Tot Ion:244 Resp: 1279232

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

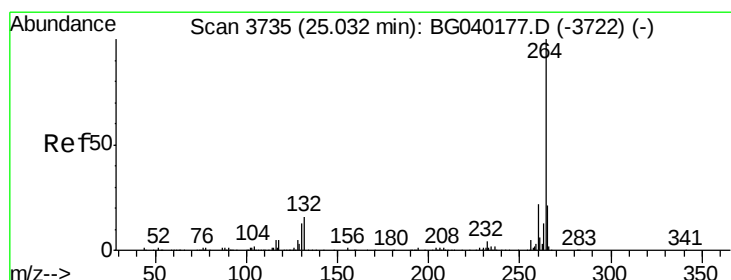
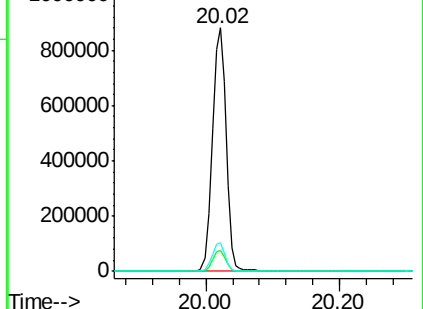
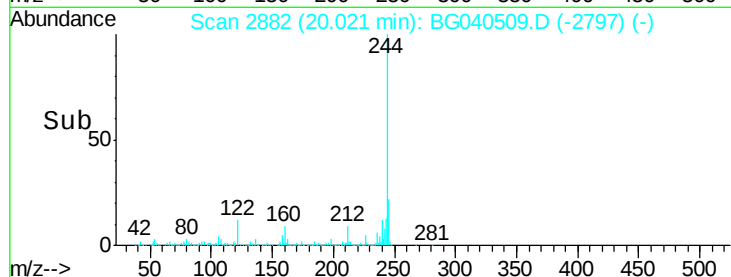
122 11.8 8.5 12.7



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: 24.97 min Scan# 3724

Delta R.T. -0.06 min

Lab File: BG040509.D

Acq: 16 Apr 2019 18:50

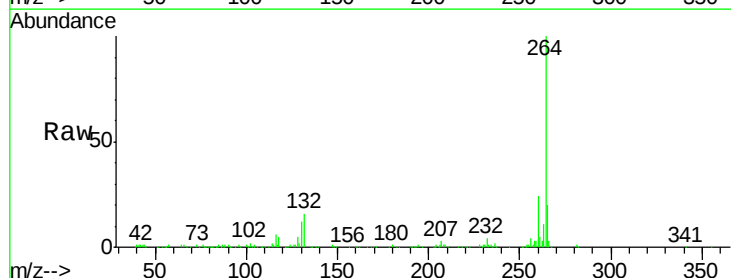
Tgt Ion:264 Resp: 335174

Ion Ratio Lower Upper

264 100

260 24.1 17.9 26.9

265 20.4 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

