

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031919\
 Data File : BG040025.D
 Acq On : 20 Mar 2019 5:55
 Operator : JU/SJ
 Sample : K1692-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-031819

Quant Time: Mar 20 06:59:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

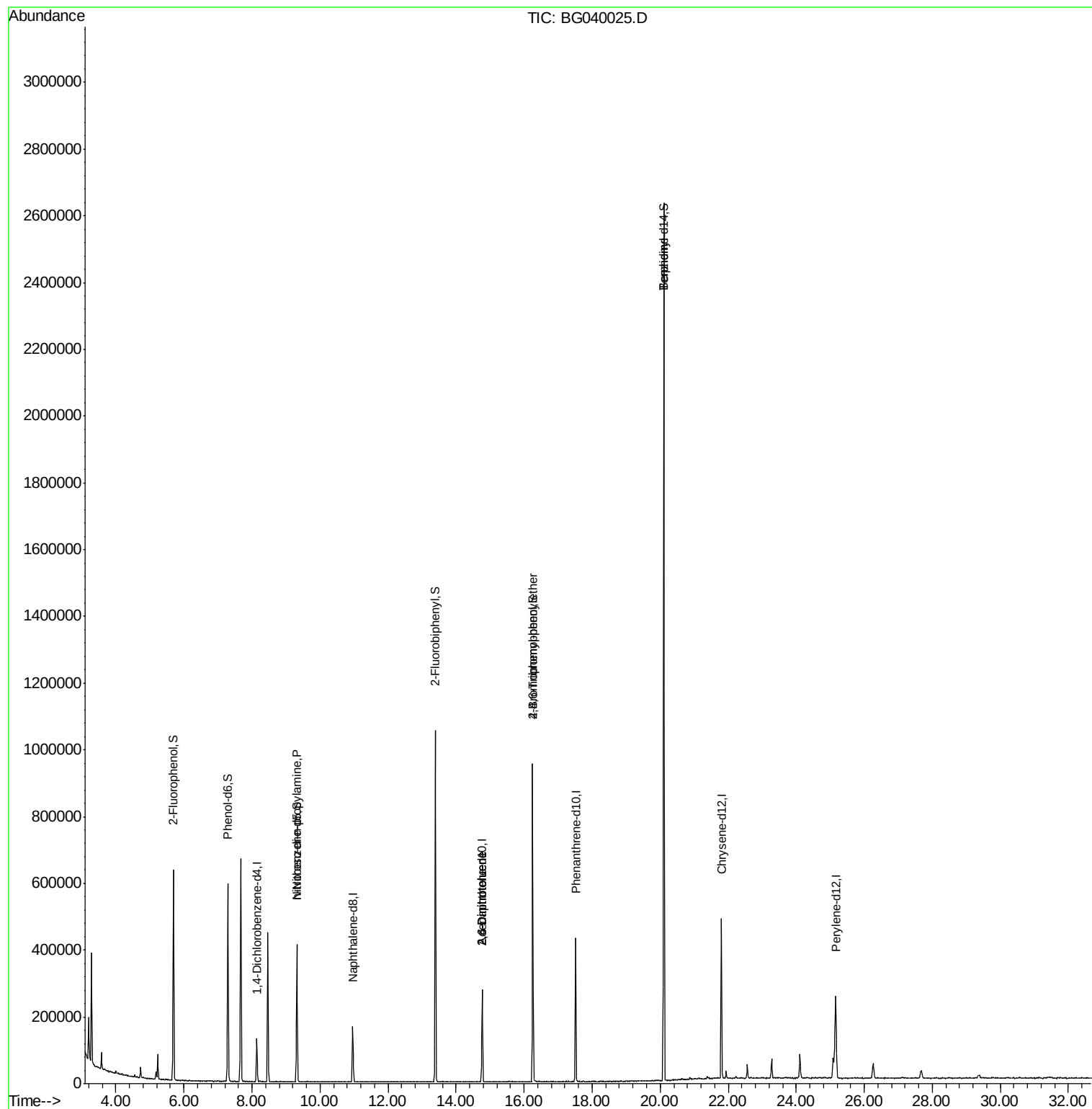
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	34965	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	144739	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	94548	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	257697	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	293329	20.00	ng	-0.03
87) Perylene-d12	25.16	264	282164	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	249600	121.78	ng	-0.02
7) Phenol-d6	7.29	99	331497	108.48	ng	-0.02
23) Nitrobenzene-d5	9.32	82	244459	91.35	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	157303	142.74	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	547863	82.50	ng	-0.02
79) Terphenyl-d14	20.11	244	1164384	87.40	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	32512	14.781	ng	# 71
51) 2,6-Dinitrotoluene	14.77	165	12309	7.344	ng	# 26
57) 2,4-Dinitrotoluene	14.77	165	12309	5.227	ng	# 21
67) 4-Bromophenyl-phenylether	16.25	248	12907	4.475	ng	# 1
77) Benzidine	20.11	184	21695	2.331	ng	# 92

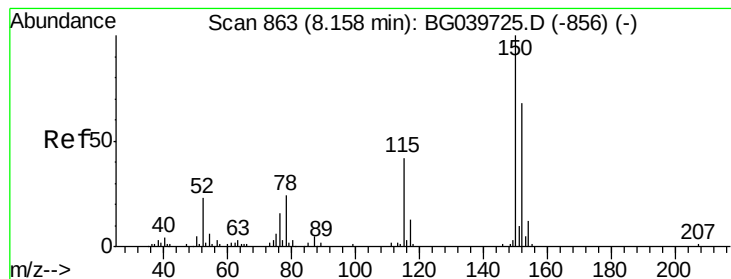
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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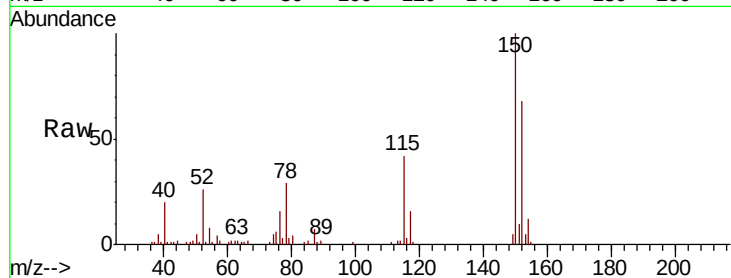


#1

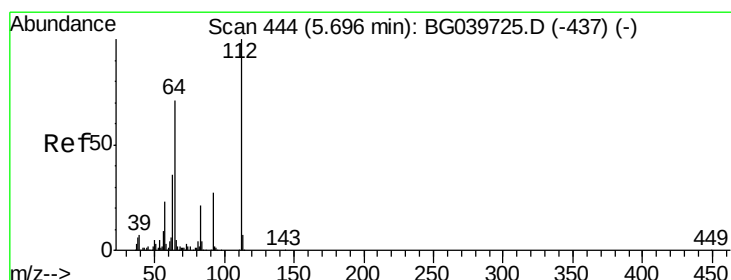
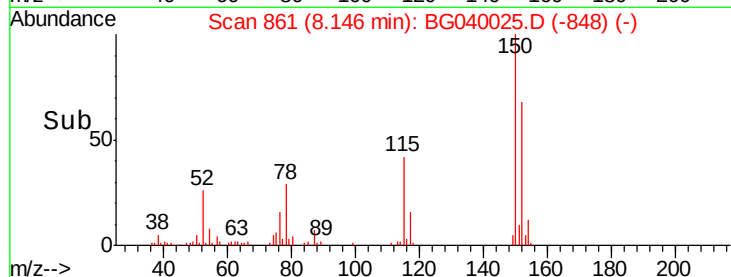
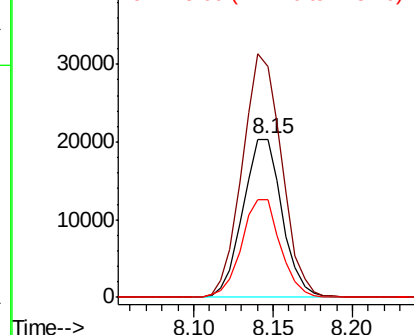
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG040025.D
Acq: 20 Mar 2019 5:55

Instrument :
BNA_G
ClientSampleId :
OK-02-031819

Tgt Ion:152 Resp: 34965
Ion Ratio Lower Upper
152 100
150 146.2 123.7 185.5
115 61.6 45.9 68.9



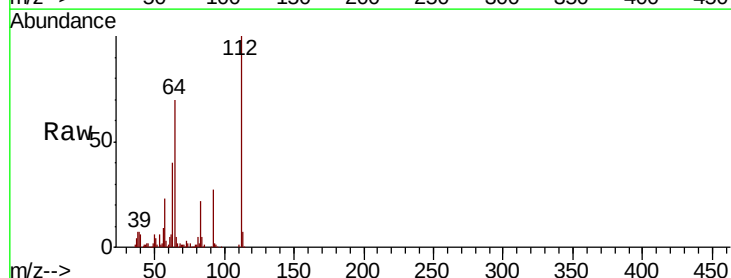
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



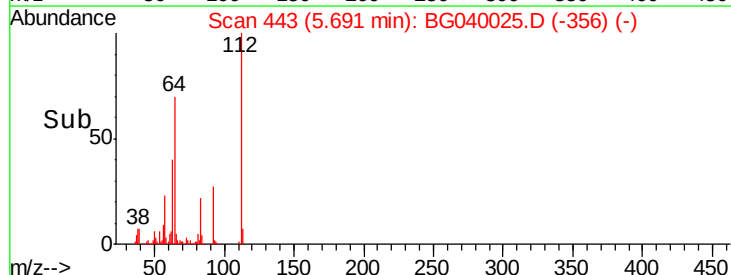
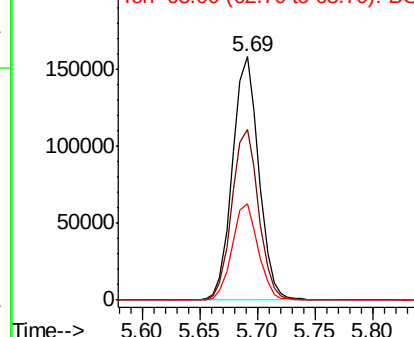
#5

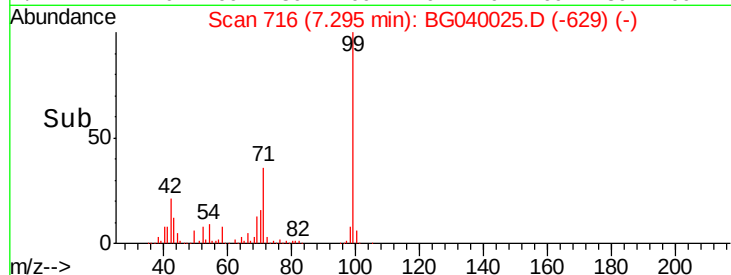
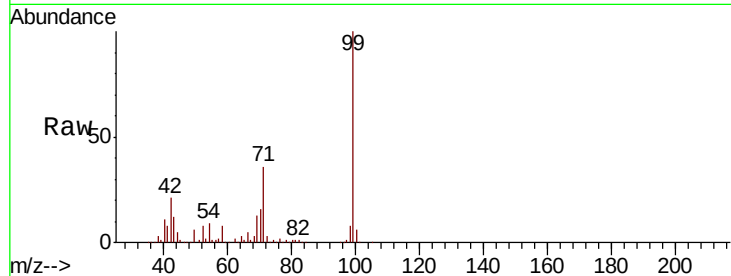
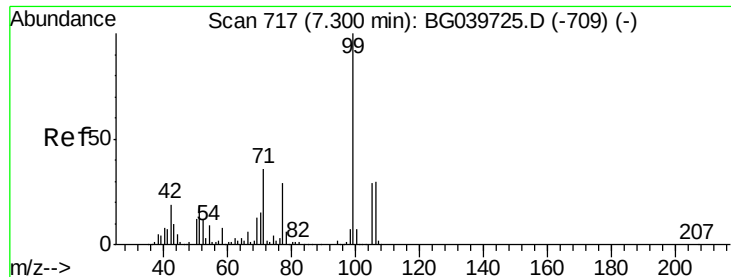
2-Fluorophenol
Concen: 121.785 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG040025.D
Acq: 20 Mar 2019 5:55

Tgt Ion:112 Resp: 249600
Ion Ratio Lower Upper
112 100
64 70.2 57.8 86.8
63 39.6 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 108.476 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040025.D

Acq: 20 Mar 2019 5:55

Instrument :

BNA_G

ClientSampleId :

OK-02-031819

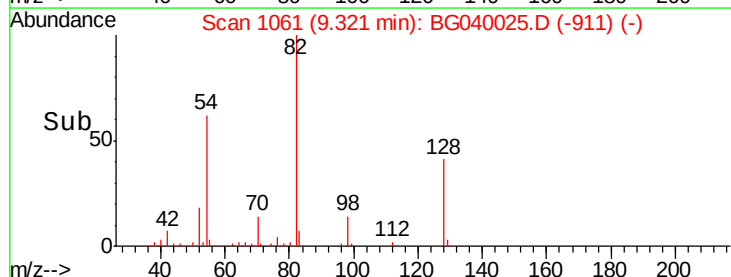
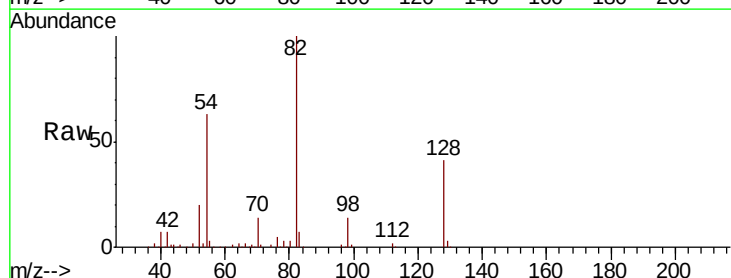
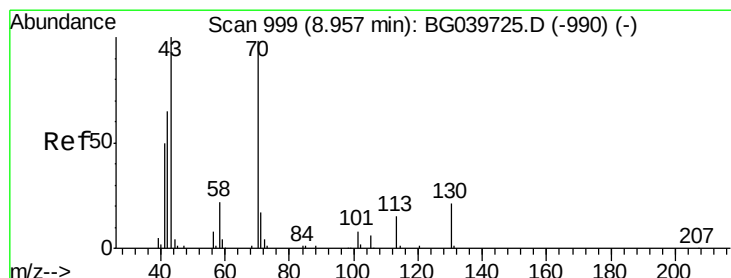
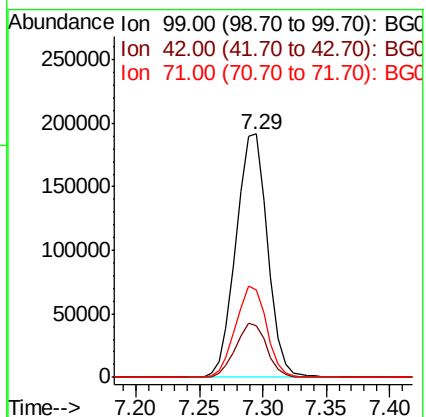
Tgt Ion: 99 Resp: 331497

Ion Ratio Lower Upper

99 100

42 21.1 18.2 27.2

71 35.9 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.781 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040025.D

Acq: 20 Mar 2019 5:55

Tgt Ion: 70 Resp: 32512

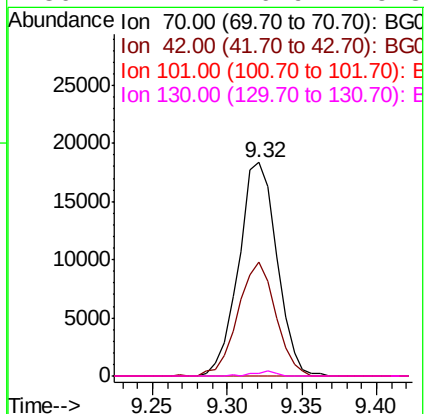
Ion Ratio Lower Upper

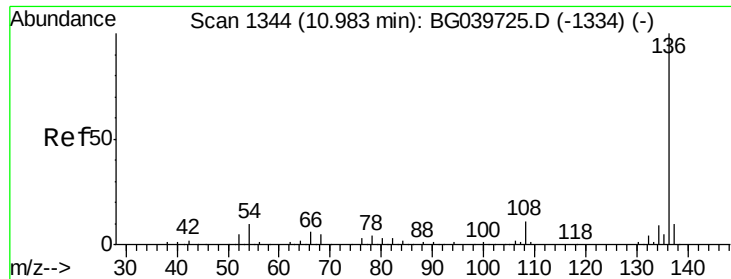
70 100

42 53.1 60.4 90.6#

101 0.0 7.5 11.3#

130 1.1 16.9 25.3#

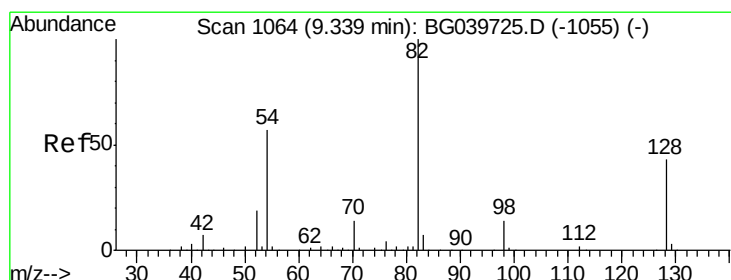
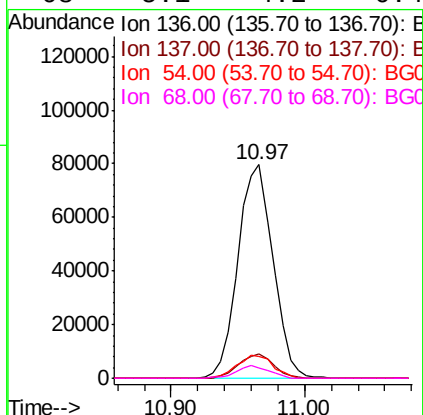
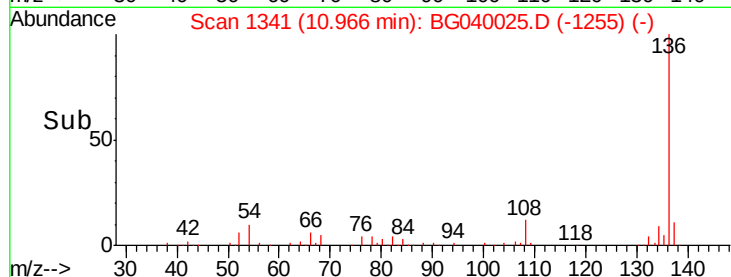
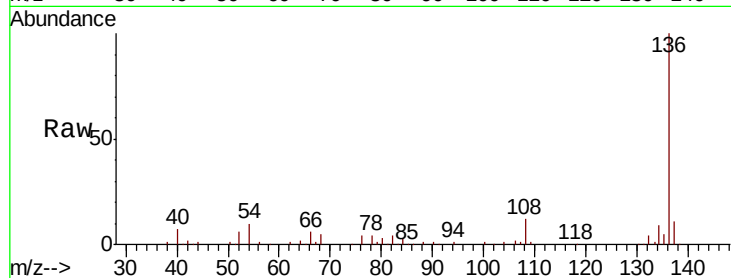




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040025.D
Acq: 20 Mar 2019 5:55

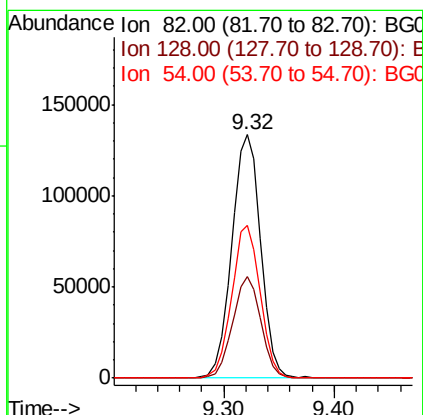
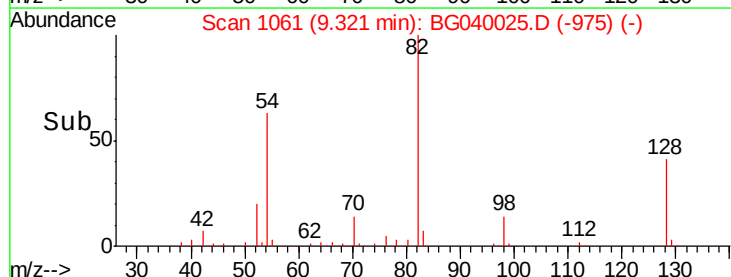
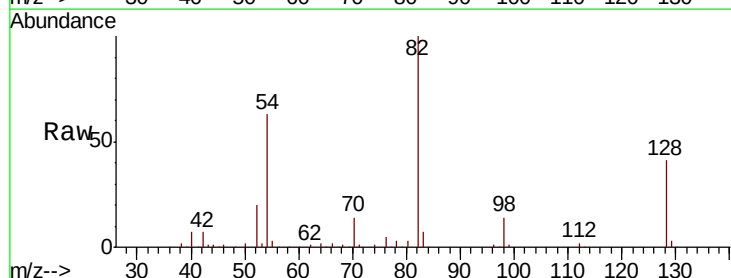
Instrument :
BNA_G
ClientSampleId :
OK-02-031819

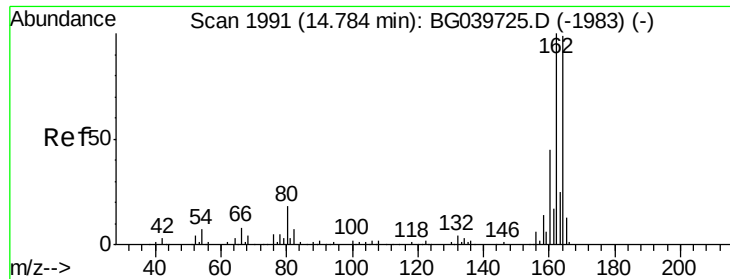
Tgt Ion:	136	Resp:	144739
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.9	9.4	14.2
68	5.1	4.2	6.4



#23
Nitrobenzene-d5
Concen: 91.346 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040025.D
Acq: 20 Mar 2019 5:55

Tgt Ion:	82	Resp:	244459
Ion	Ratio	Lower	Upper
82	100		
128	41.5	31.3	46.9
54	62.6	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040025.D

Acq: 20 Mar 2019 5:55

Instrument :

BNA_G

ClientSampleId :

OK-02-031819

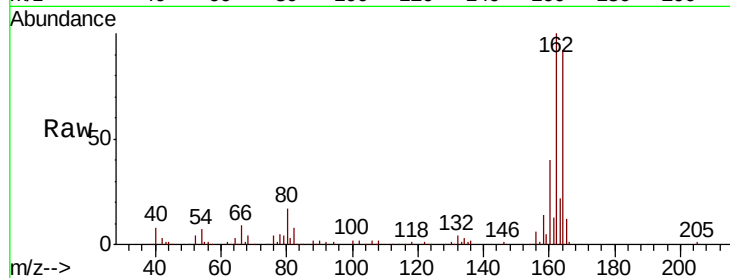
Tgt Ion:164 Resp: 94548

Ion Ratio Lower Upper

164 100

162 109.1 81.6 122.4

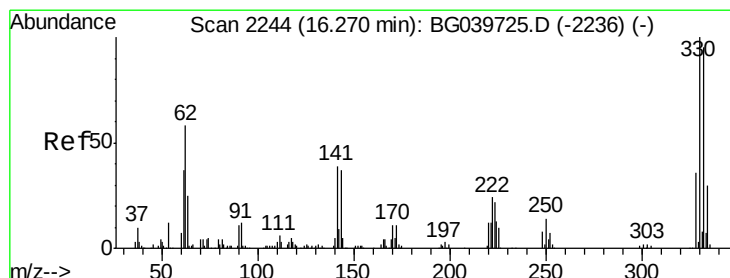
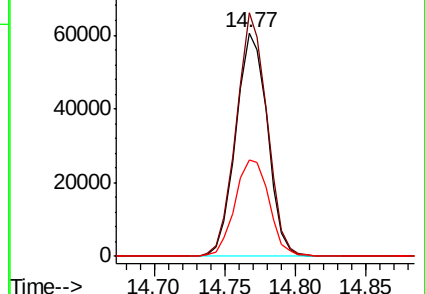
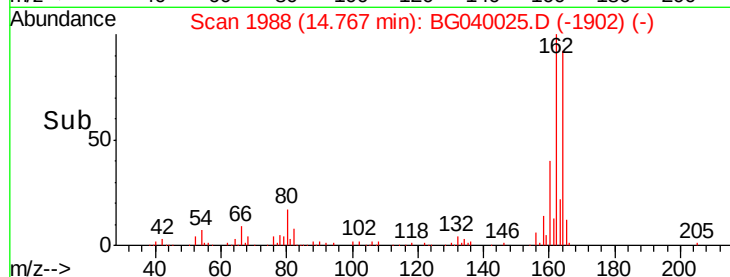
160 43.3 34.2 51.2



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: 142.740 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040025.D

Acq: 20 Mar 2019 5:55

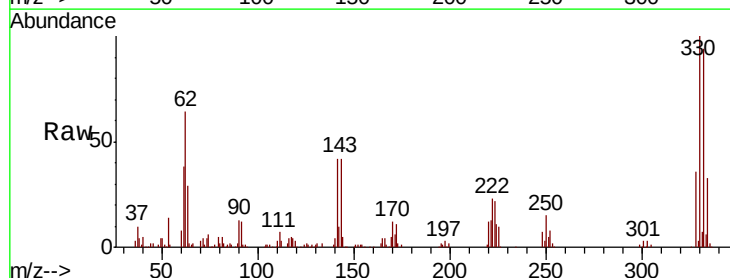
Tgt Ion:330 Resp: 157303

Ion Ratio Lower Upper

330 100

332 96.4 75.7 113.5

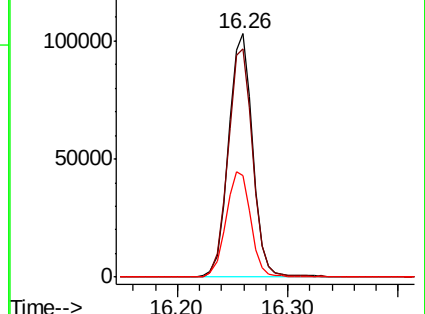
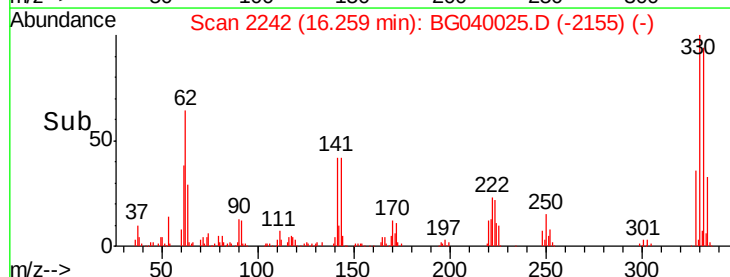
141 44.6 35.6 53.4

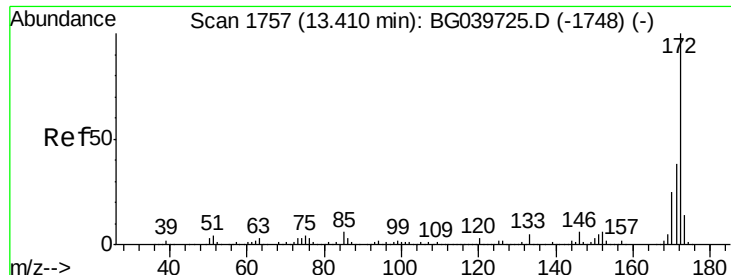


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

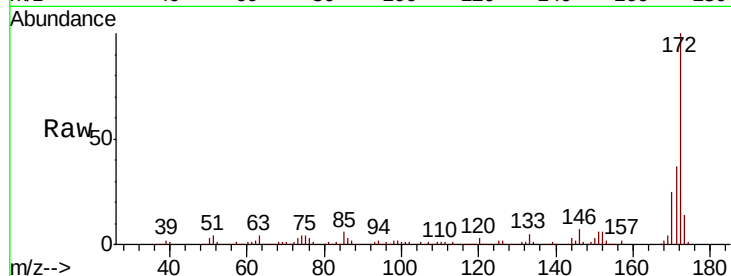




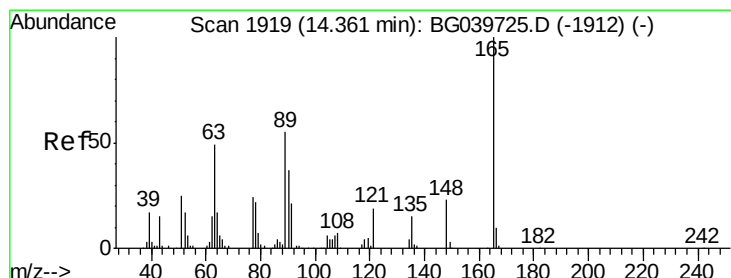
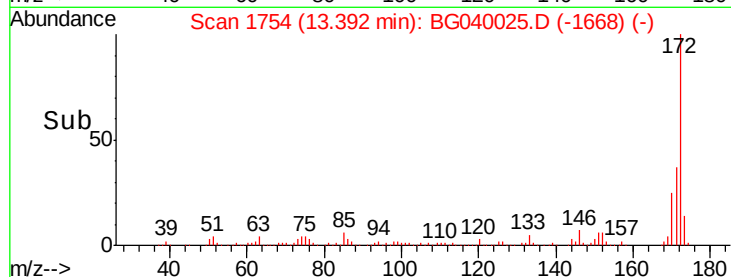
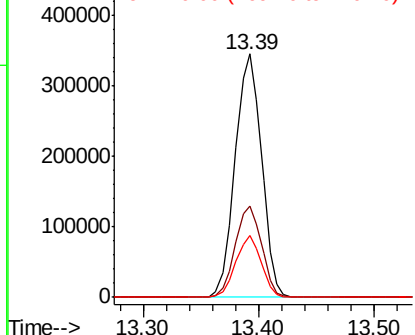
#45
 2-Fluorobiphenyl
 Concen: 82.505 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040025.D
 Acq: 20 Mar 2019 5:55

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-031819

Tgt Ion:172 Resp: 547863
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 25.4 20.2 30.4

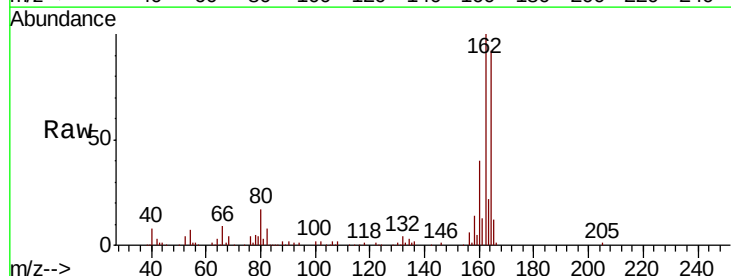


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

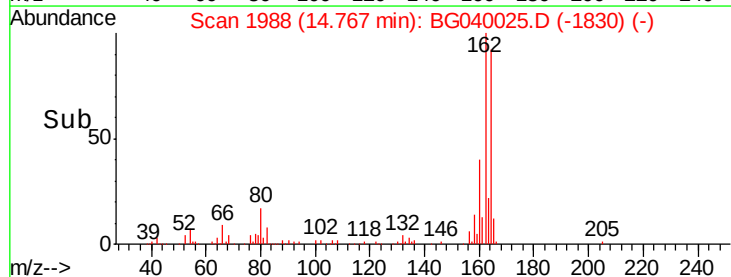
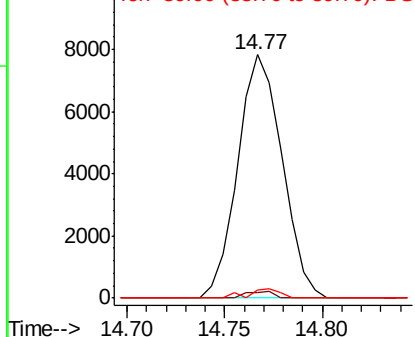


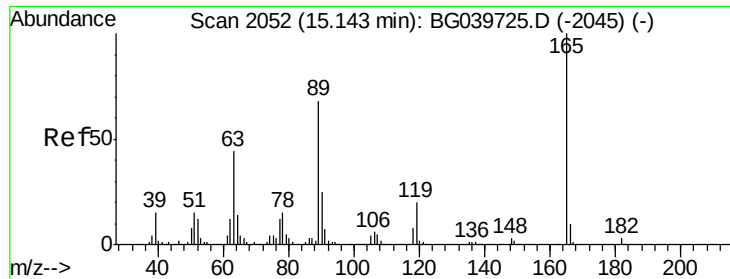
#51
 2,6-Dinitrotoluene
 Concen: 7.344 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040025.D
 Acq: 20 Mar 2019 5:55

Tgt Ion:165 Resp: 12309
 Ion Ratio Lower Upper
 165 100
 63 2.2 47.0 70.6#
 89 3.4 45.8 68.8#



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

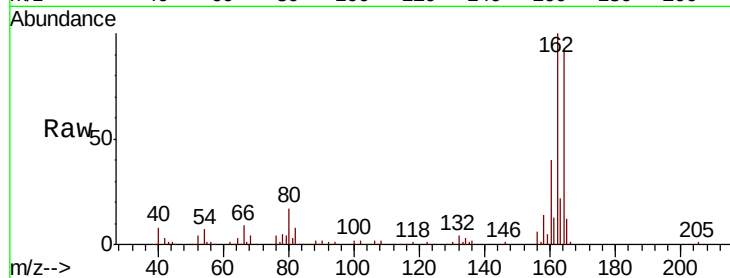




#57
 2,4-Dinitrotoluene
 Concen: 5.227 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040025.D
 Acq: 20 Mar 2019 5:55

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-031819

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	41.0	61.6#
89	3.4	64.6	96.8#
182	0.0	2.0	3.0#

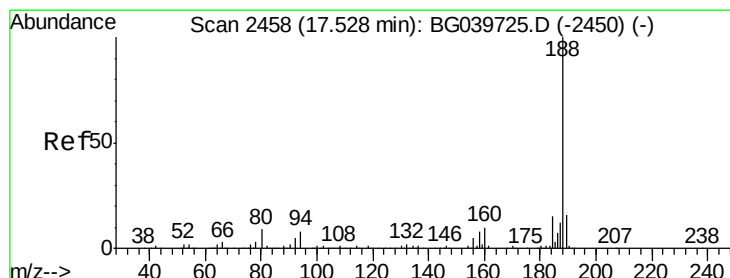
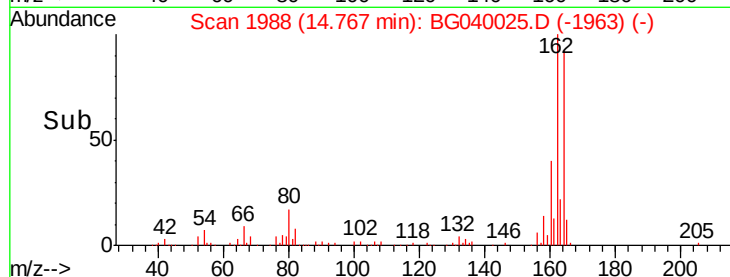
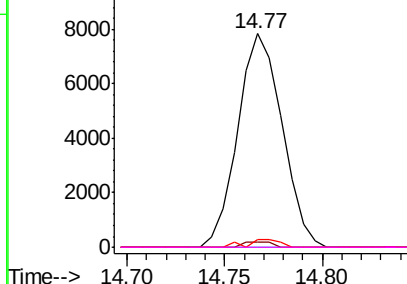


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

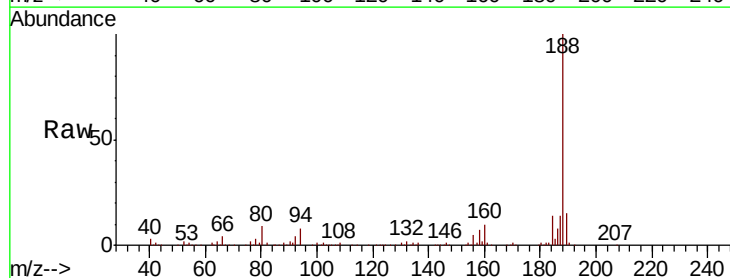
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040025.D
 Acq: 20 Mar 2019 5:55

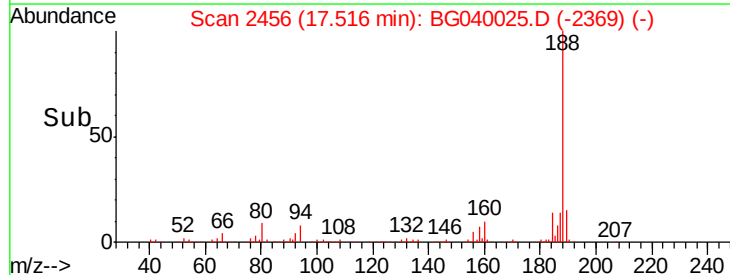
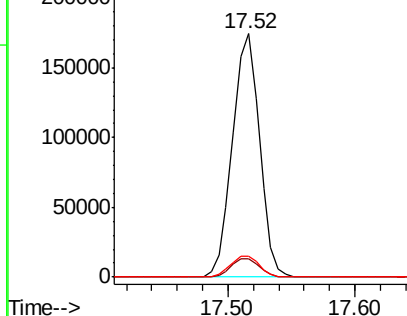
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	8.6	8.1	12.1

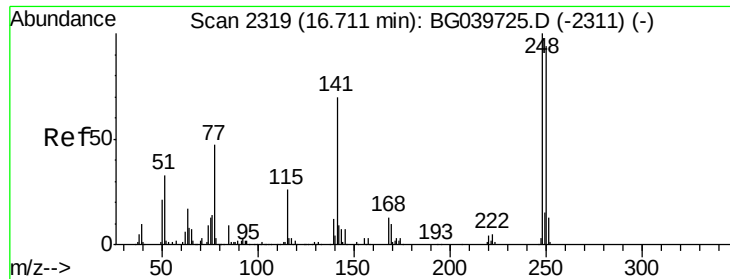


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

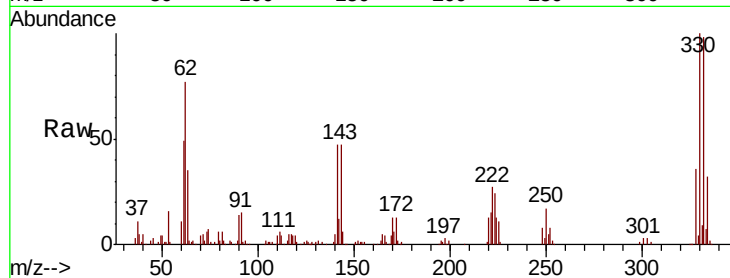




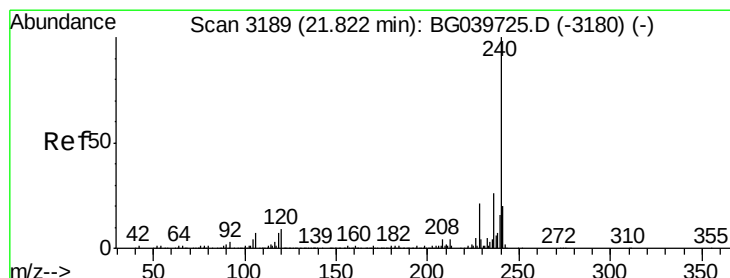
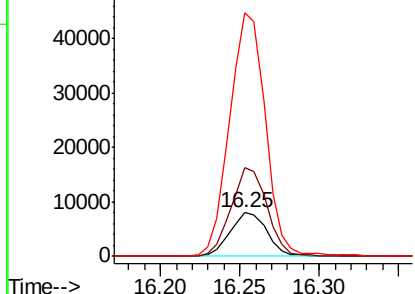
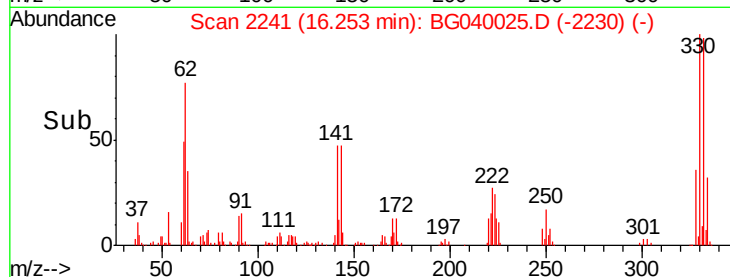
#67
 4-Bromophenyl-phenylether
 Concen: 4.475 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040025.D
 Acq: 20 Mar 2019 5:55

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-031819

Tgt Ion:248 Resp: 12907
 Ion Ratio Lower Upper
 248 100
 250 203.9 77.6 116.4#
 141 558.9 63.9 95.9#

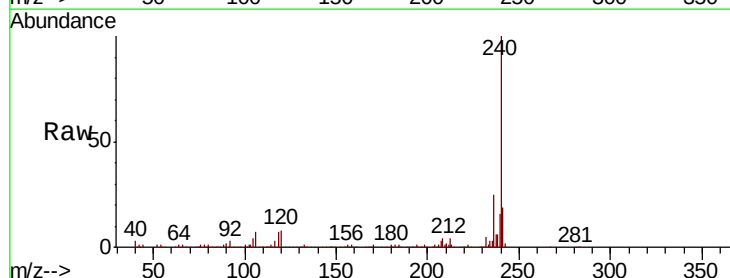


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

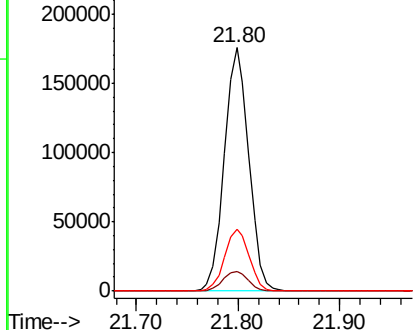
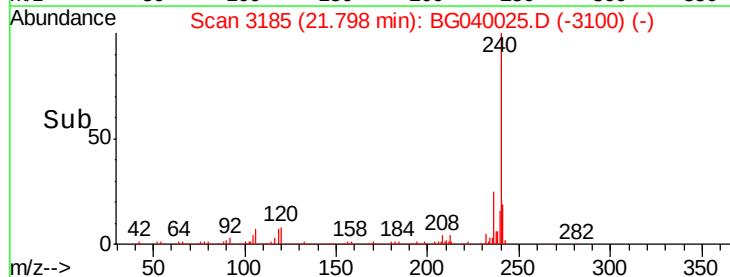


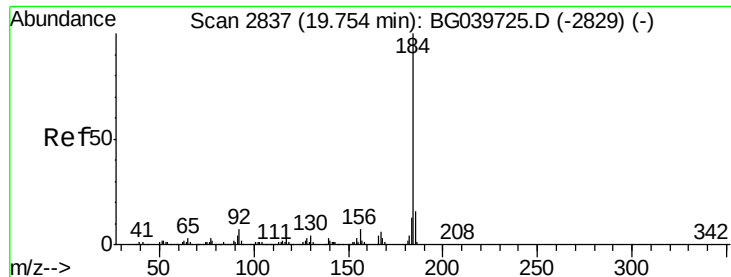
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040025.D
 Acq: 20 Mar 2019 5:55

Tgt Ion:240 Resp: 293329
 Ion Ratio Lower Upper
 240 100
 120 7.8 7.0 10.6
 236 25.3 21.0 31.4



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: 2.331 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040025.D

Acq: 20 Mar 2019 5:55

Instrument :

BNA_G

ClientSampleId :

OK-02-031819

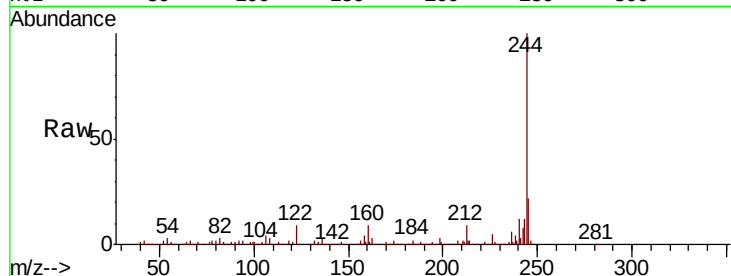
Tgt Ion:184 Resp: 21695

Ion Ratio Lower Upper

184 100

185 17.6 12.2 18.2

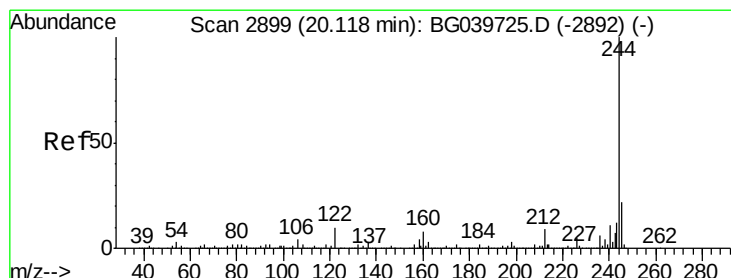
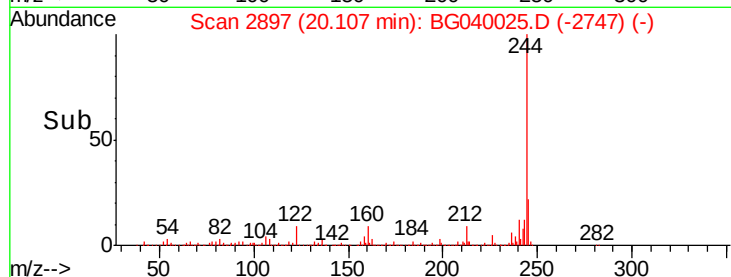
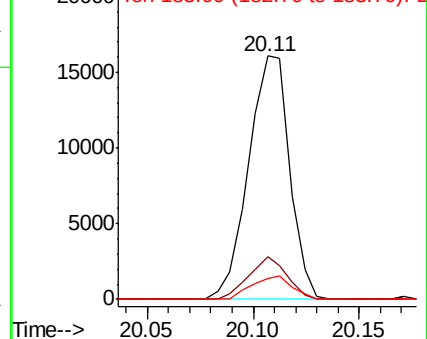
183 8.8 10.6 15.8#



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: 87.402 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040025.D

Acq: 20 Mar 2019 5:55

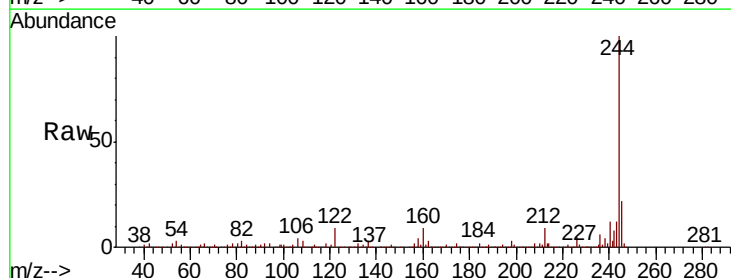
Tgt Ion:244 Resp: 1164384

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

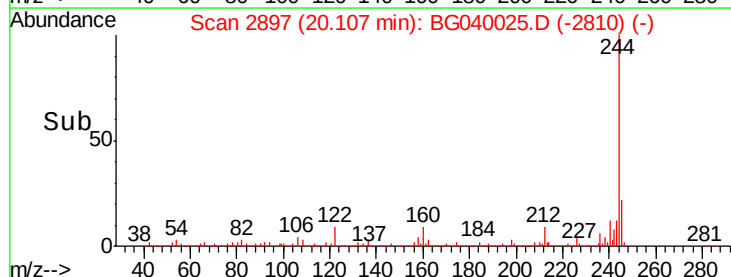
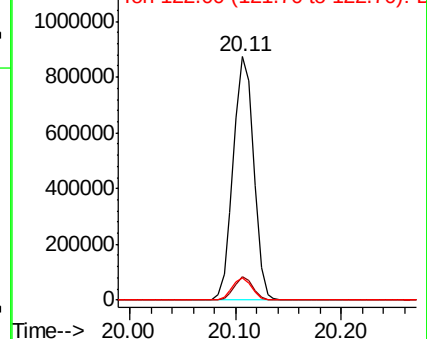
122 9.3 8.4 12.6

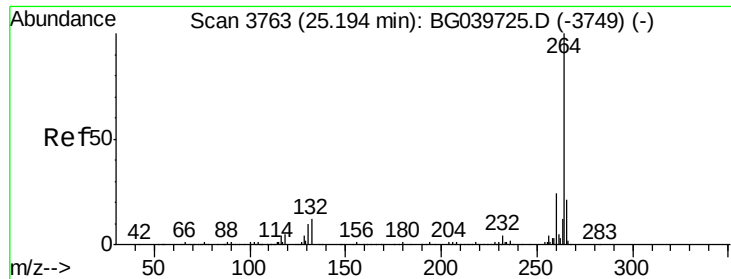


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040025.D
Acq: 20 Mar 2019 5:55

Instrument :
BNA_G
ClientSampleId :
OK-02-031819

Tgt Ion: 264 Resp: 282164
Ion Ratio Lower Upper
264 100
260 24.7 18.2 27.4
265 19.8 18.5 27.7

