

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\
 Data File : BG040030.D
 Acq On : 20 Mar 2019 9:13
 Operator : JU/SJ
 Sample : K1941-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP

Quant Time: Mar 20 10:56:06 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

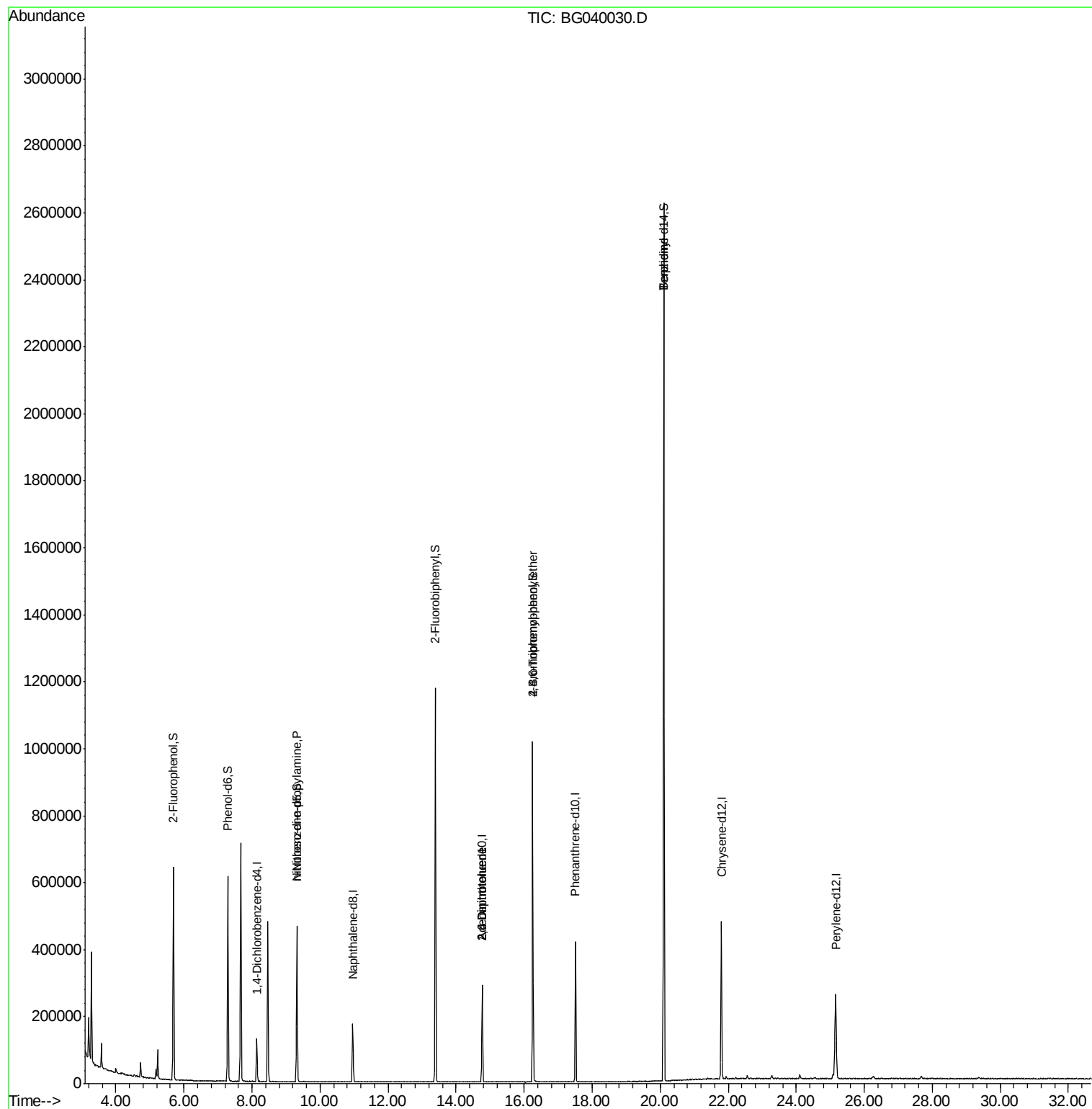
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	35066	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	145179	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	98762	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	259270	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	290083	20.00	ng	-0.03
87) Perylene-d12	25.16	264	280295	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	255892	124.49	ng	-0.02
7) Phenol-d6	7.29	99	343303	112.02	ng	-0.02
23) Nitrobenzene-d5	9.32	82	264897	98.68	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	164575	142.97	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	595371	85.83	ng	-0.02
79) Terphenyl-d14	20.11	244	1194433	90.66	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	33871	15.354	ng	# 71
51) 2,6-Dinitrotoluene	14.77	165	12647	7.224	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	12647	5.141	ng	# 17
67) 4-Bromophenyl-phenylether	16.26	248	12844	4.426	ng	# 1
77) Benzidine	20.11	184	21956	2.385	ng	93

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

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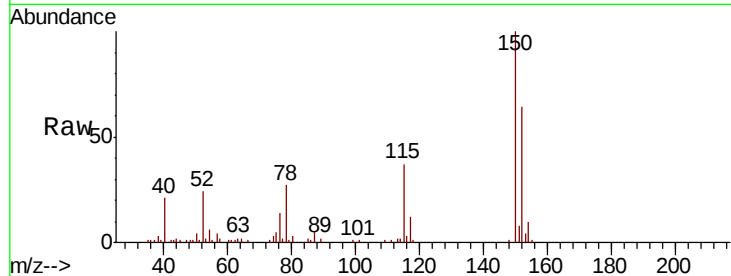


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG040030.D
Acq: 20 Mar 2019 9:13

Instrument :
BNA_G
ClientSampleId :
SP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.7	185.5
115	58.1	45.9	68.9

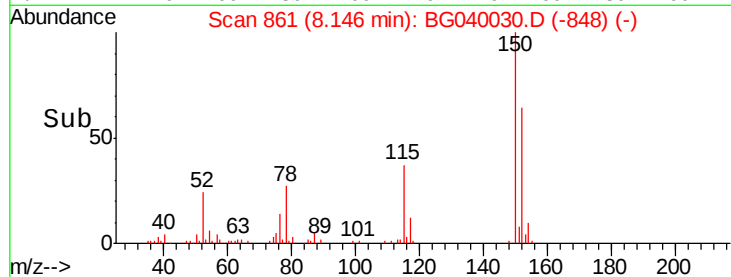
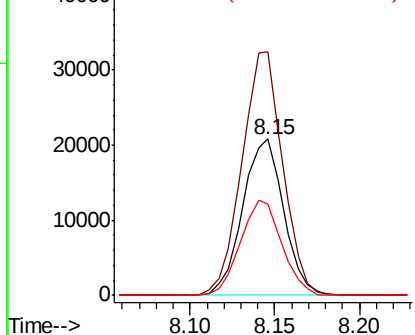


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

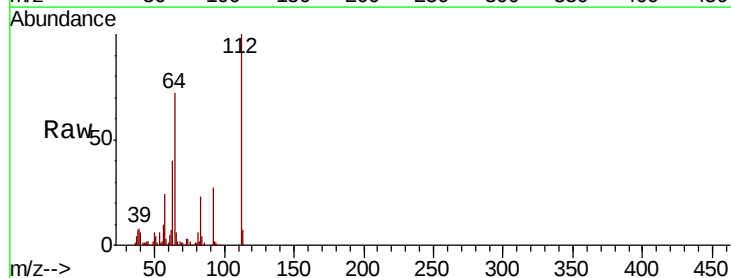
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.495 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG040030.D
Acq: 20 Mar 2019 9:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	57.8	86.8
63	40.0	29.8	44.6

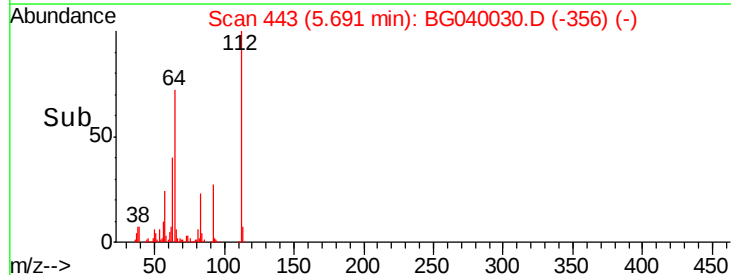
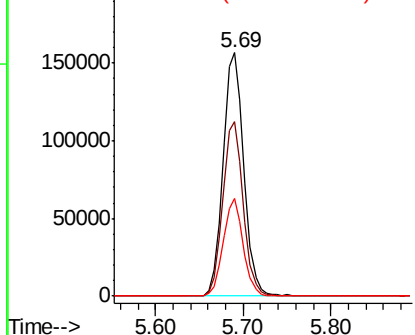


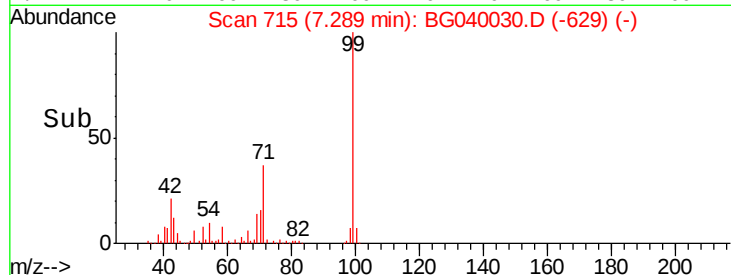
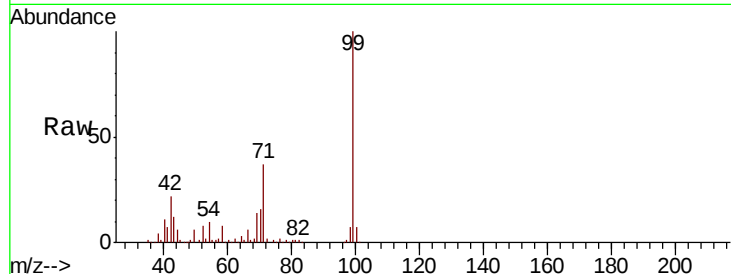
Abundance

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

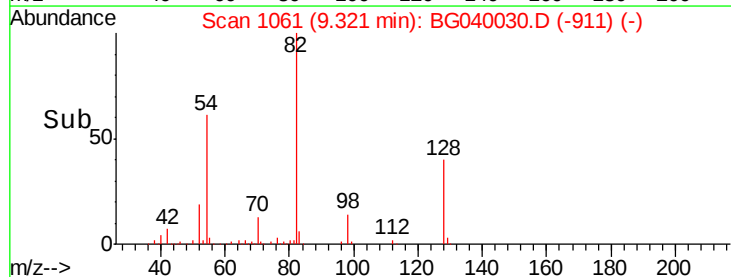
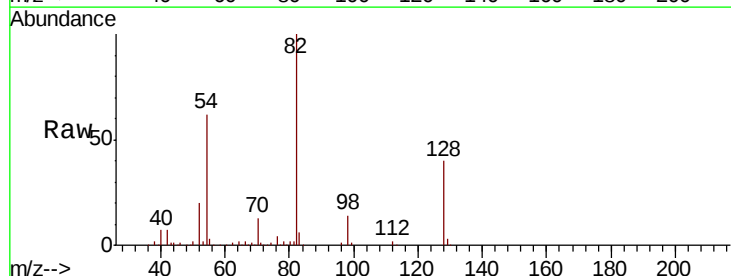
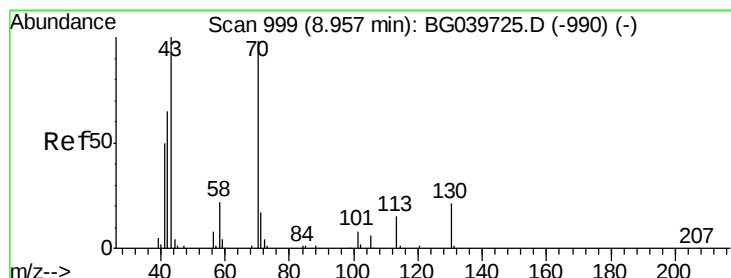
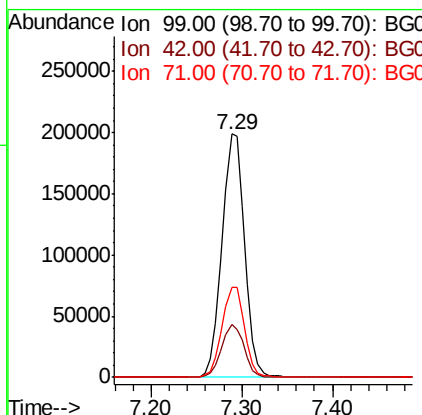




#7
Phenol-d6
Concen: 112.016 ng
RT: 7.29 min Scan# 715
Delta R.T. -0.02 min
Lab File: BG040030.D
Acq: 20 Mar 2019 9:13

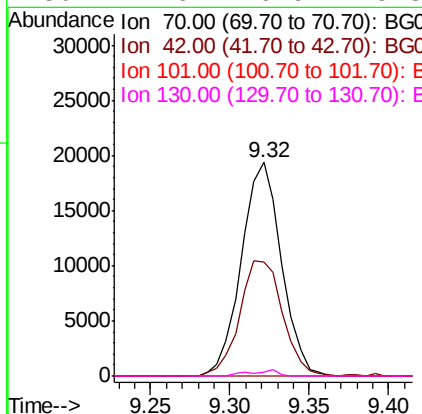
Instrument :
BNA_G
ClientSampled :
SP

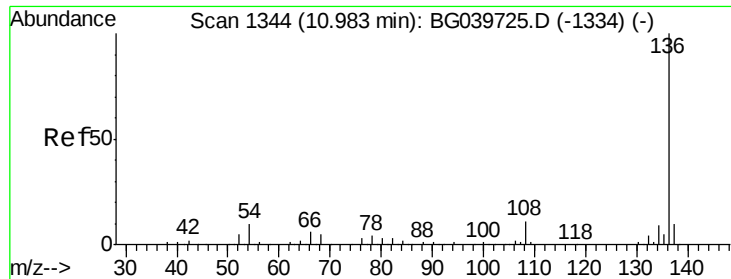
Tot Ion	Ratio	Lower	Upper
99	100		
42	21.6	18.2	27.2
71	37.1	28.0	42.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.354 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040030.D
Acq: 20 Mar 2019 9:13

Tgt Ion	Ratio	Lower	Upper
70	100		
42	53.6	60.4	90.6#
101	0.0	7.5	11.3#
130	1.6	16.9	25.3#

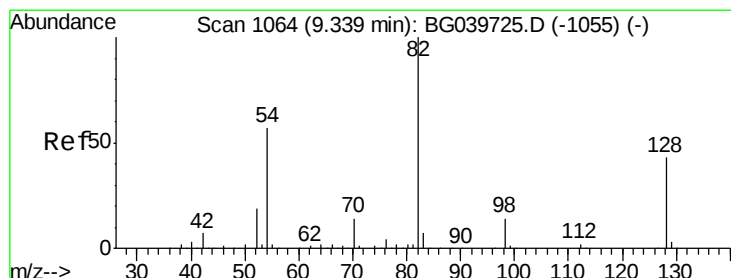
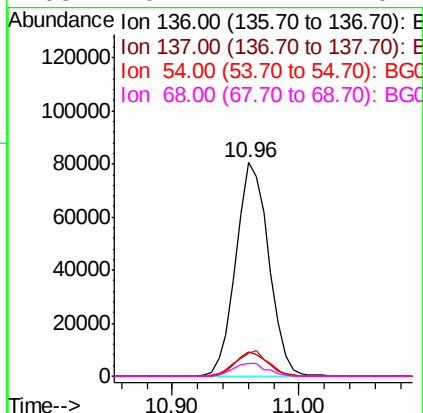
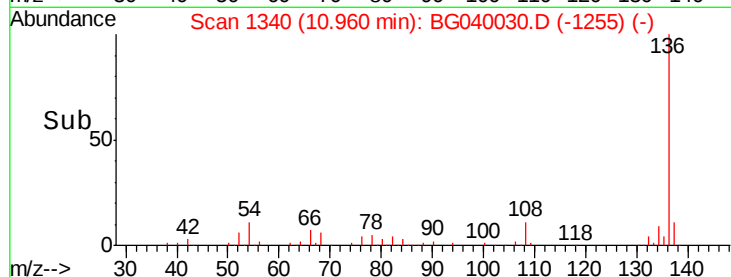
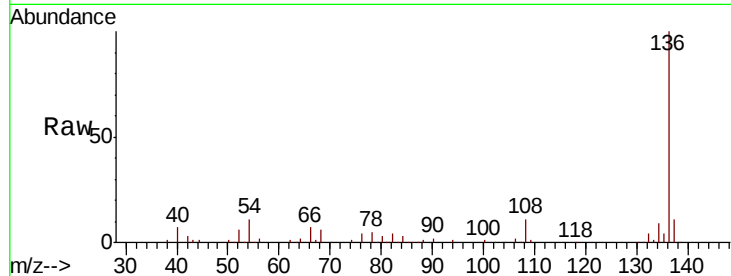




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040030.D
Acq: 20 Mar 2019 9:13

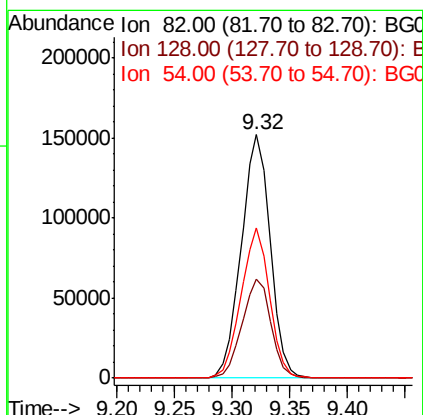
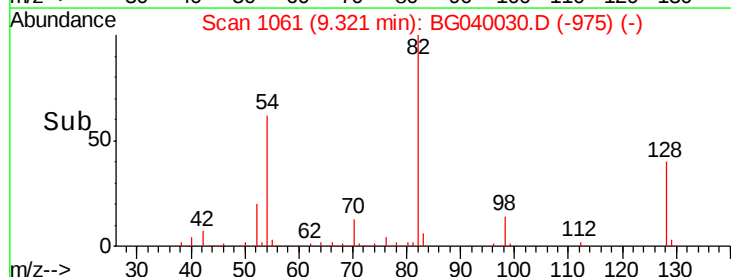
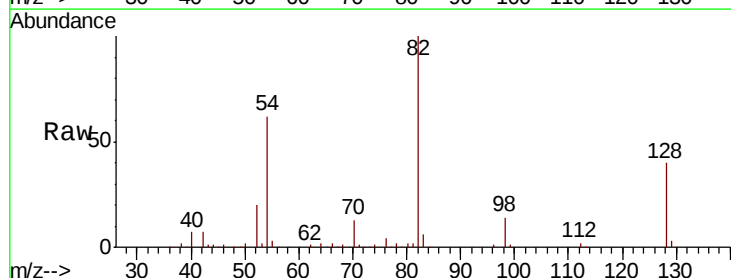
Instrument :
BNA_G
ClientSampleId :
SP

Tot Ion:136	Resp:	145179
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.1 13.7
54	10.6	9.4 14.2
68	6.1	4.2 6.4



#23
Nitrobenzene-d5
Concen: 98.683 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040030.D
Acq: 20 Mar 2019 9:13

Tgt Ion: 82	Resp:	264897
Ion	Ratio	Lower Upper
82	100	
128	40.5	31.3 46.9
54	61.6	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: BG040030.D

Acq: 20 Mar 2019 9:13

Instrument :

BNA_G

ClientSampleId :

SP

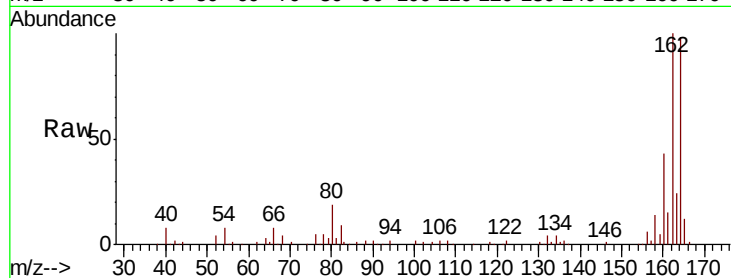
Tot Ion:164 Resp: 98762

Ion Ratio Lower Upper

164 100

162 101.6 81.6 122.4

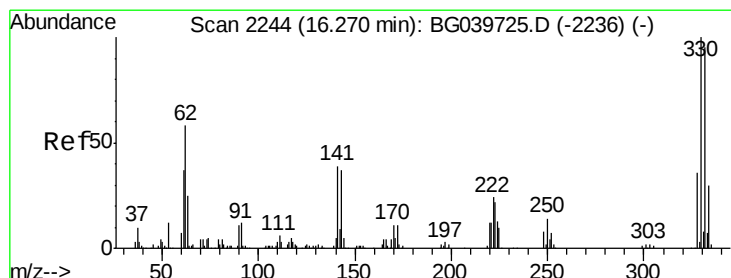
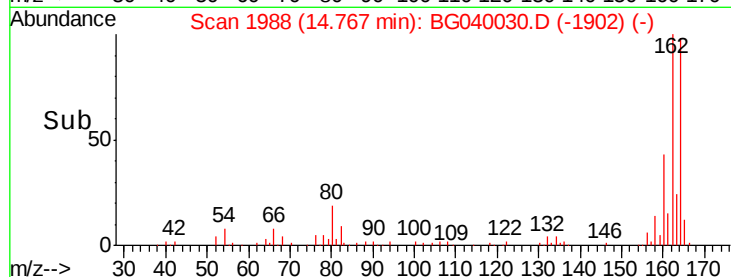
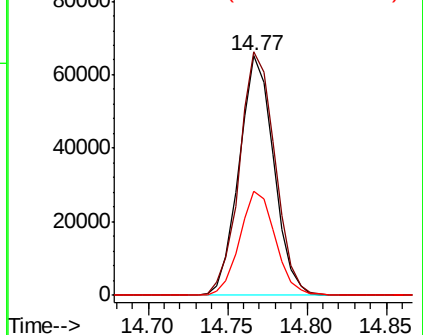
160 43.3 34.2 51.2



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: 142.966 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040030.D

Acq: 20 Mar 2019 9:13

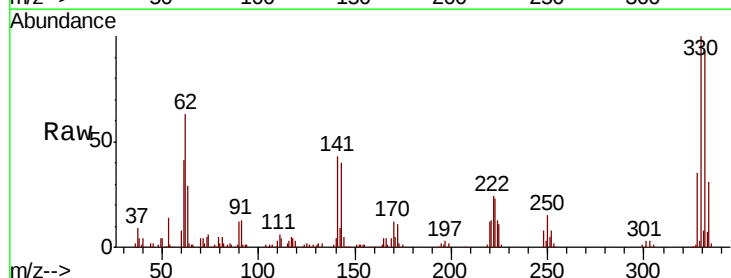
Tgt Ion:330 Resp: 164575

Ion Ratio Lower Upper

330 100

332 95.0 75.7 113.5

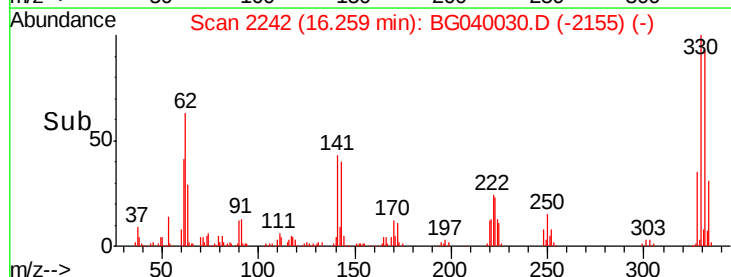
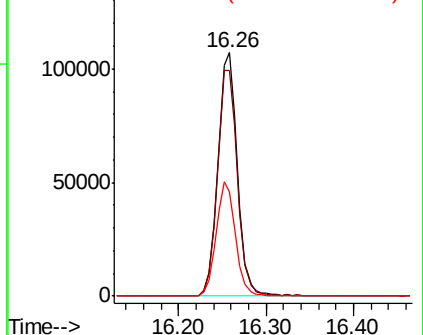
141 46.3 35.6 53.4



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

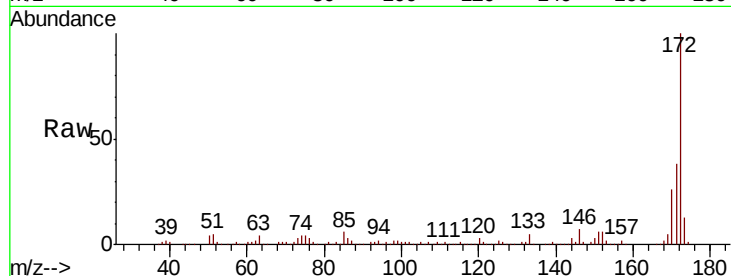




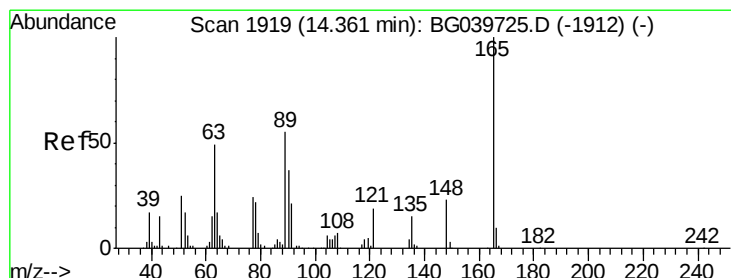
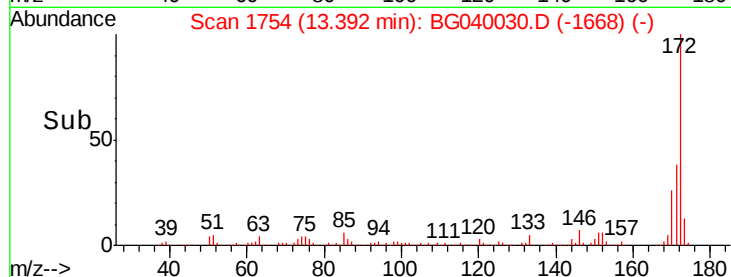
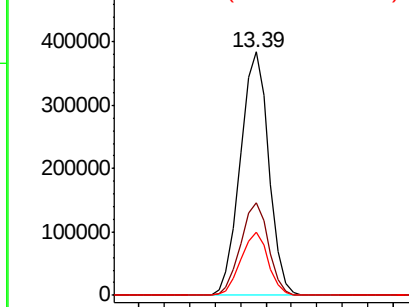
#45
 2-Fluorobiphenyl
 Concen: 85.833 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040030.D
 Acq: 20 Mar 2019 9:13

Instrument :
 BNA_G
 ClientSampleID :
 SP

Tot Ion:172 Resp: 595371
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.8 46.2
 170 25.7 20.2 30.4

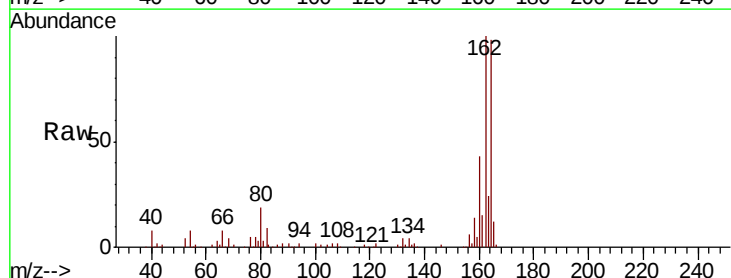


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

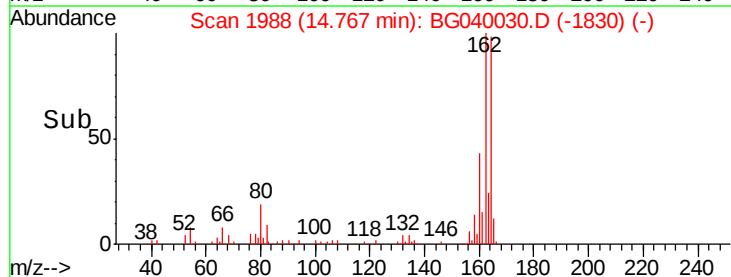
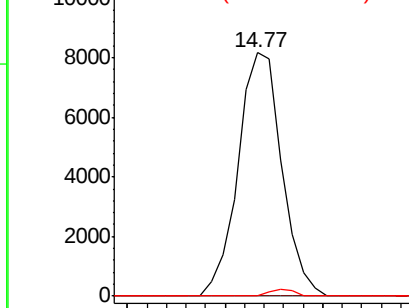


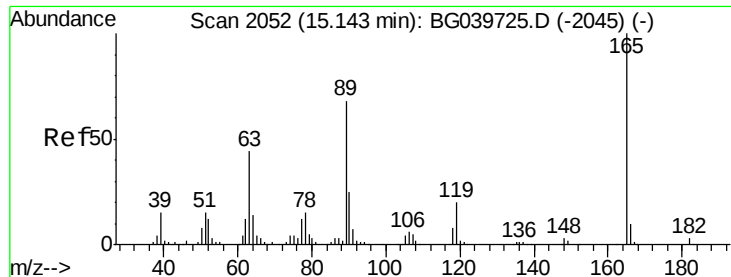
#51
 2,6-Dinitrotoluene
 Concen: 7.224 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040030.D
 Acq: 20 Mar 2019 9:13

Tgt Ion:165 Resp: 12647
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0

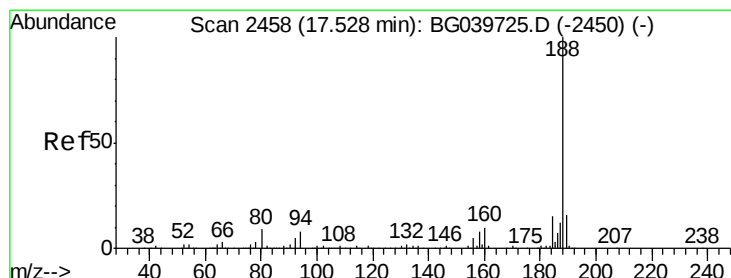
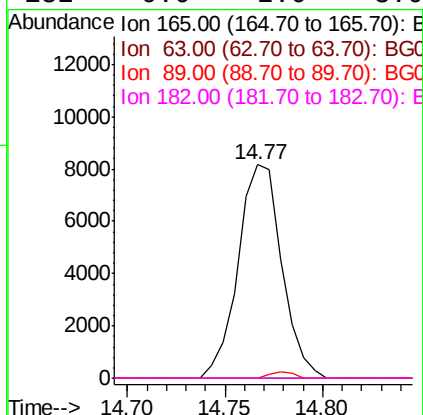
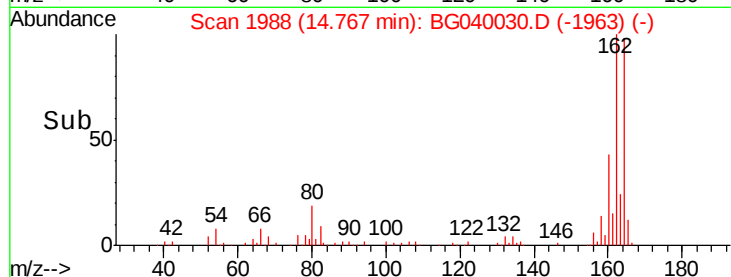
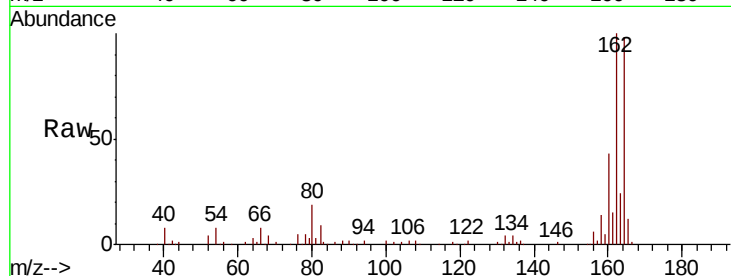




#57
 2,4-Dinitrotoluene
 Concen: 5.141 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040030.D
 Acq: 20 Mar 2019 9:13

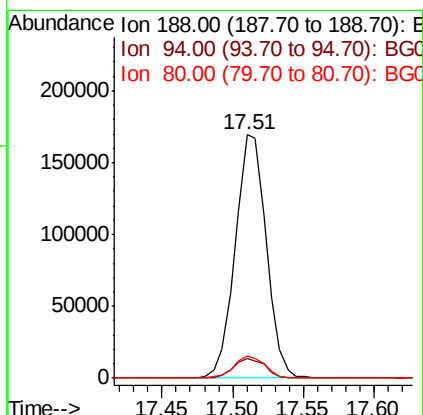
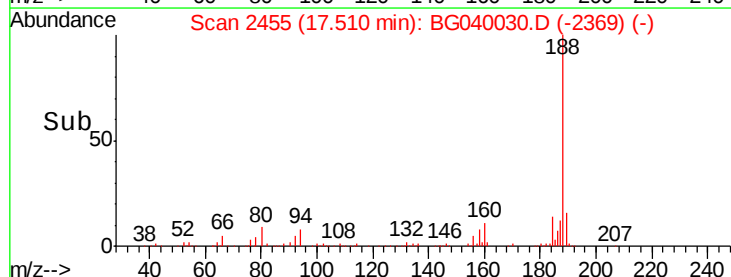
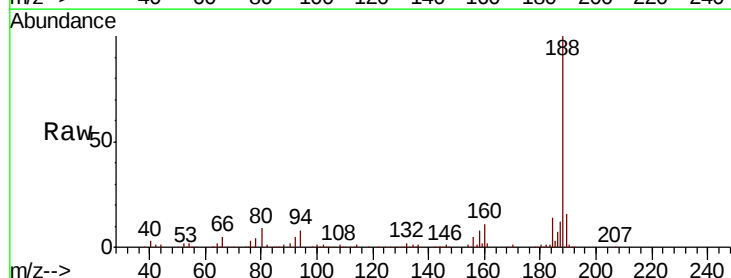
Instrument :
 BNA_G
 ClientSampleId :
 SP

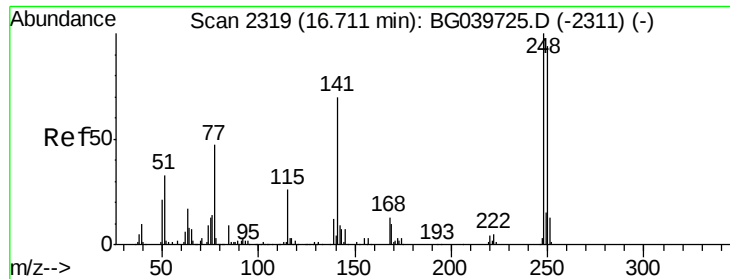
Tot Ion:165	Resp:	12647
Ion Ratio	Lower	Upper
165	100	
63	0.0	41.0 61.6#
89	0.0	64.6 96.8#
182	0.0	2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040030.D
 Acq: 20 Mar 2019 9:13

Tgt Ion:188	Resp:	259270
Ion Ratio	Lower	Upper
188	100	
94	8.1	6.9 10.3
80	9.2	8.1 12.1

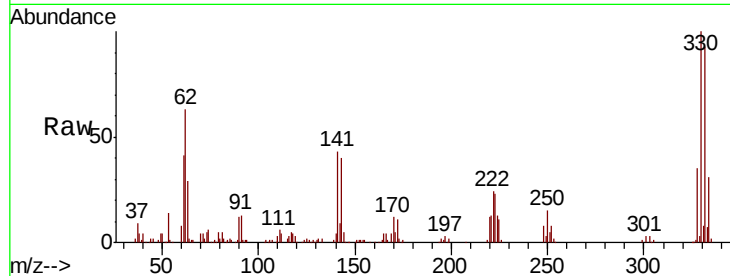




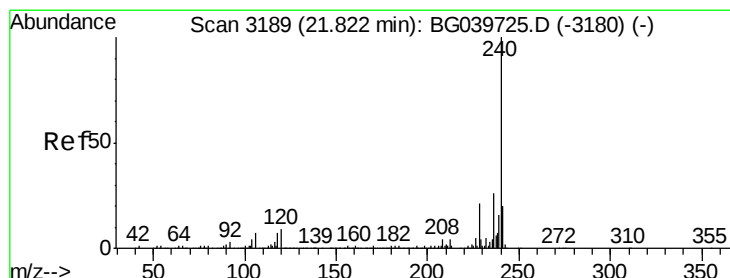
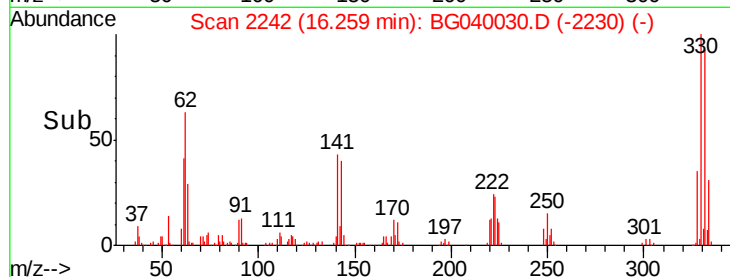
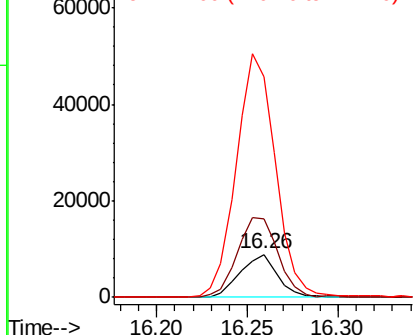
#67
 4-Bromophenyl-phenylether
 Concen: 4.426 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040030.D
 Acq: 20 Mar 2019 9:13

Instrument :
 BNA_G
 ClientSampleId :
 SP

Tot Ion:248 Resp: 12844
 Ion Ratio Lower Upper
 248 100
 250 182.5 77.6 116.4#
 141 509.2 63.9 95.9#

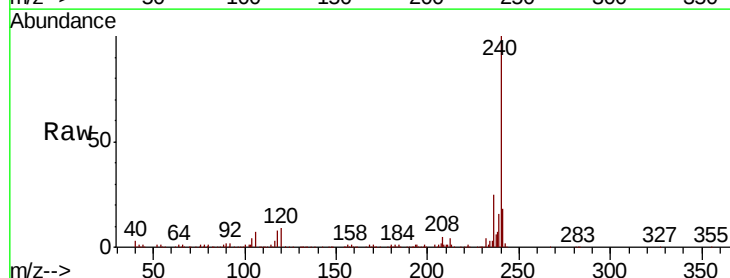


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

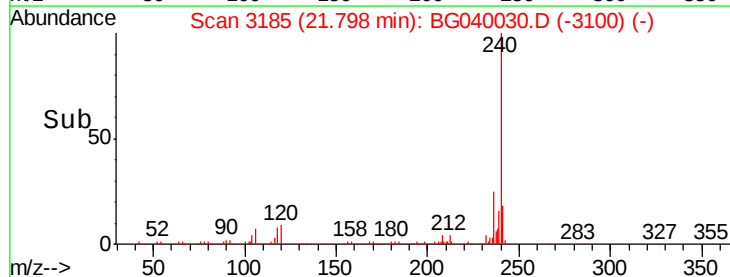
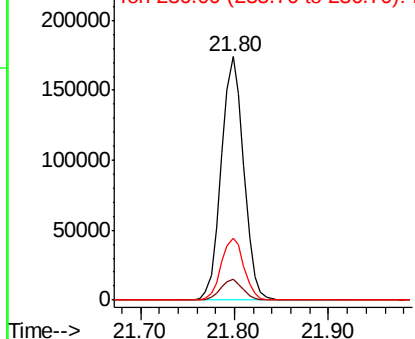


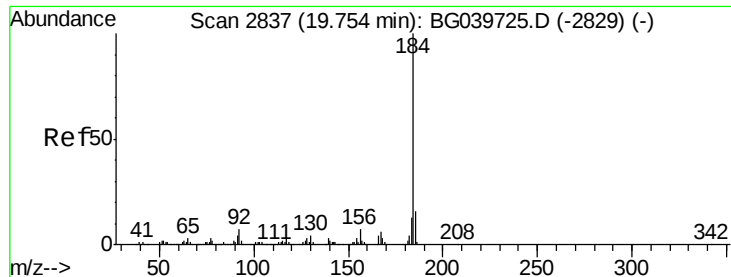
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040030.D
 Acq: 20 Mar 2019 9:13

Tgt Ion:240 Resp: 290083
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 25.5 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: 2.385 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040030.D

Acq: 20 Mar 2019 9:13

Instrument :

BNA_G

ClientSampleId :

SP

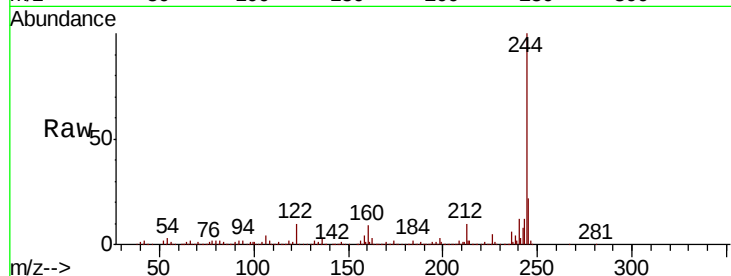
Tot Ion:184 Resp: 21956

Ion Ratio Lower Upper

184 100

185 18.0 12.2 18.2

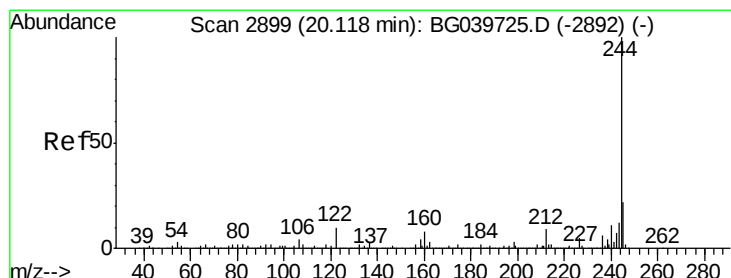
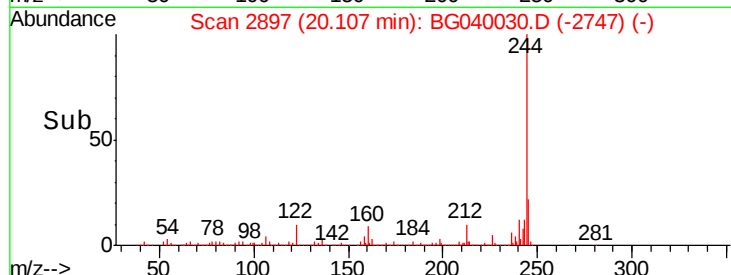
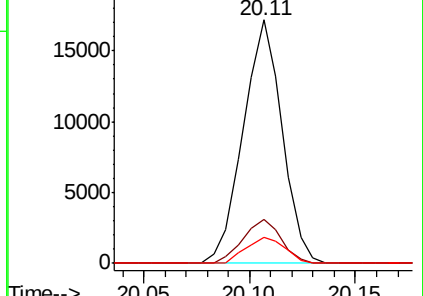
183 10.6 10.6 15.8



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: 90.661 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040030.D

Acq: 20 Mar 2019 9:13

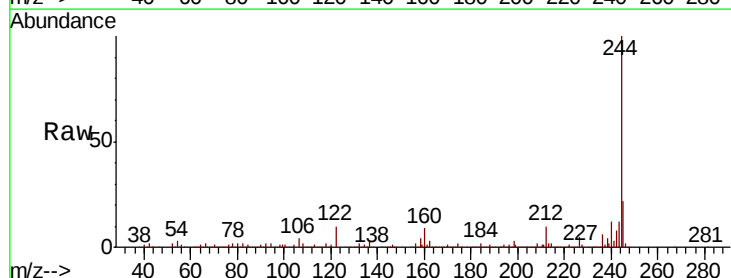
Tgt Ion:244 Resp: 1194433

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

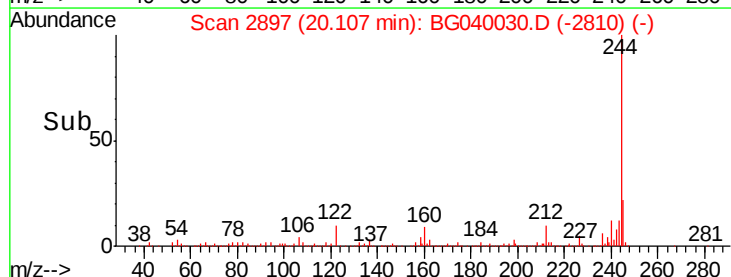
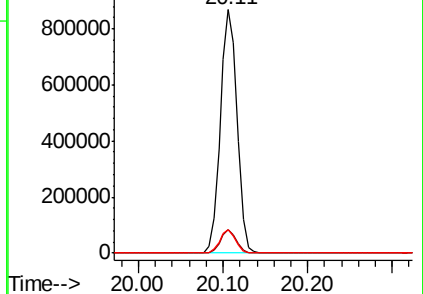
122 9.7 8.4 12.6

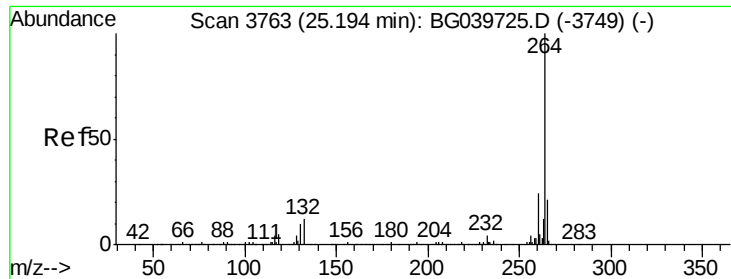


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040030.D
Acq: 20 Mar 2019 9:13

Instrument :
BNA_G
ClientSampleId :
SP

Tot Ion: 264 Resp: 280295
Ion Ratio Lower Upper
264 100
260 24.4 18.2 27.4
265 22.8 18.5 27.7

