

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031919\
 Data File : BG040028.D
 Acq On : 20 Mar 2019 7:54
 Operator : JU/SJ
 Sample : K1697-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-031519-A

Quant Time: Mar 20 08:56:20 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

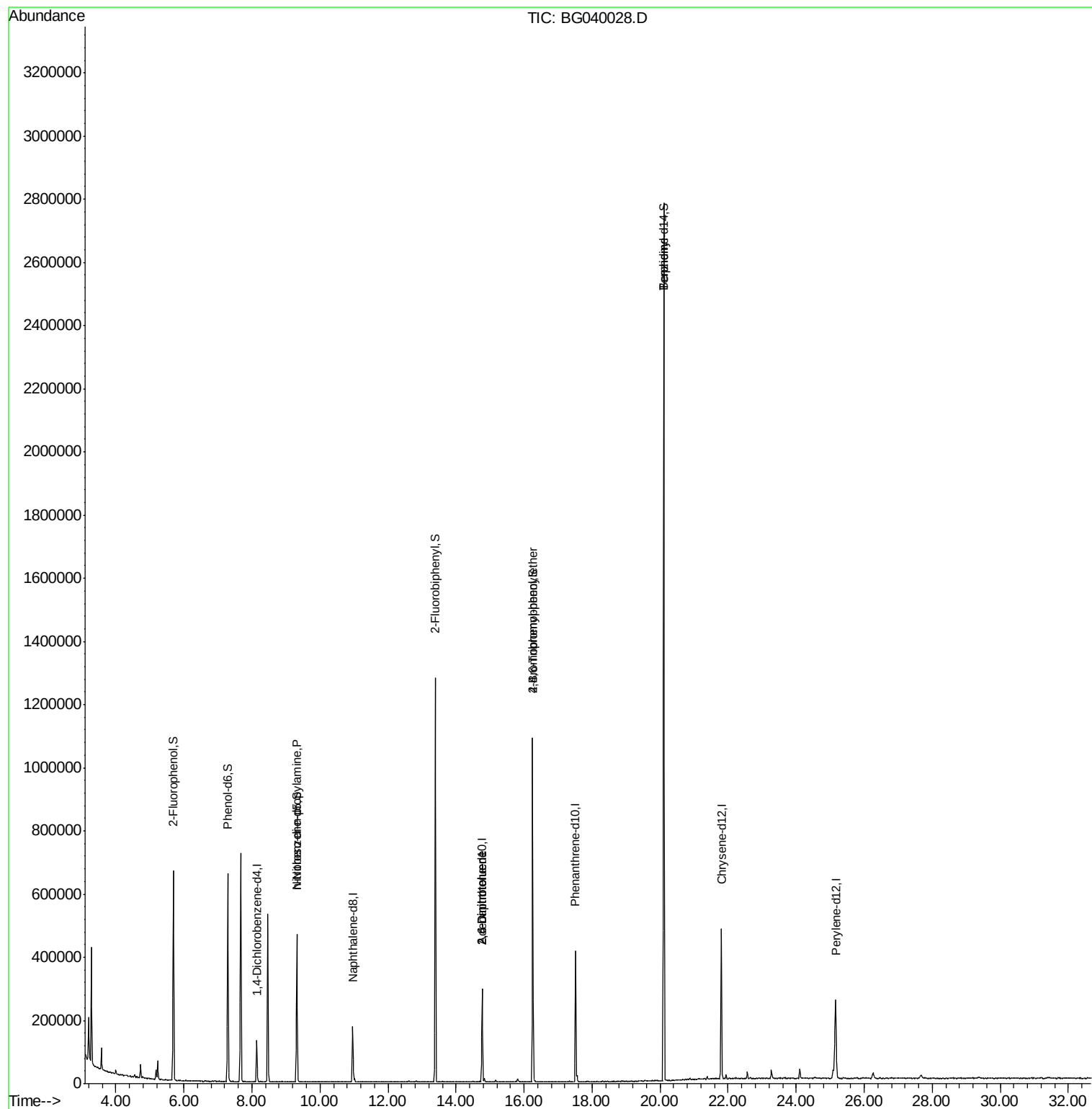
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	34570	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	147772	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	99330	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	262464	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	286482	20.00	ng	-0.03
87) Perylene-d12	25.16	264	282267	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	268304	132.41	ng	-0.02
7) Phenol-d6	7.29	99	363274	120.23	ng	-0.02
23) Nitrobenzene-d5	9.32	82	275722	100.91	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	175433	151.53	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	661450	94.81	ng	-0.02
79) Terphenyl-d14	20.11	244	1249635	96.04	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	36236	16.662	ng	# 71
51) 2,6-Dinitrotoluene	14.77	165	12749	7.240	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	12749	5.153	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	14500	4.936	ng	# 1
77) Benzidine	20.11	184	23600	2.596	ng	97

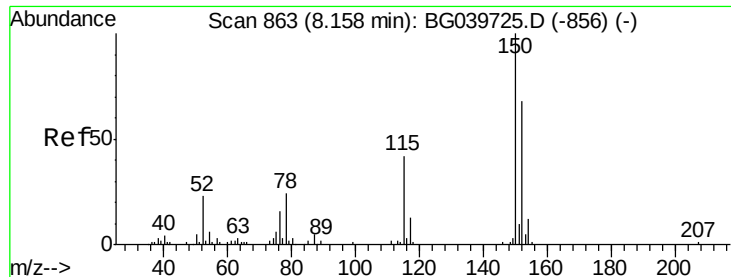
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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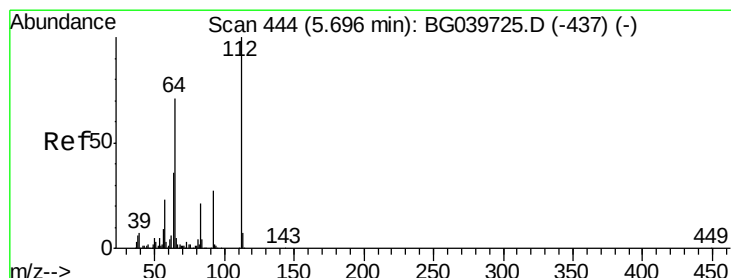
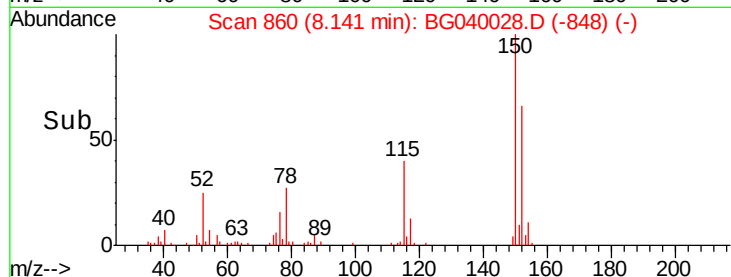
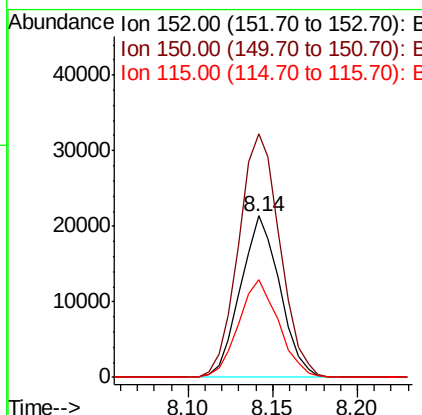
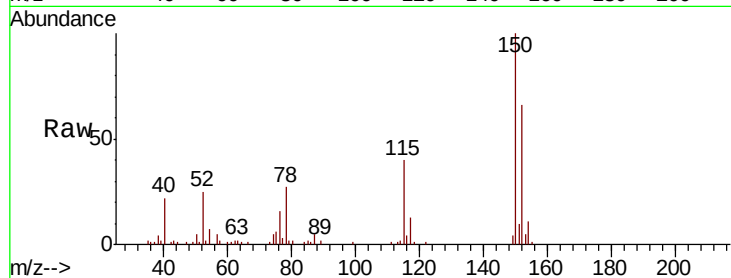


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.03 min
Lab File: BG040028.D
Acq: 20 Mar 2019 7:54

Instrument :
BNA_G
ClientSampleId :
SU-01-031519-A

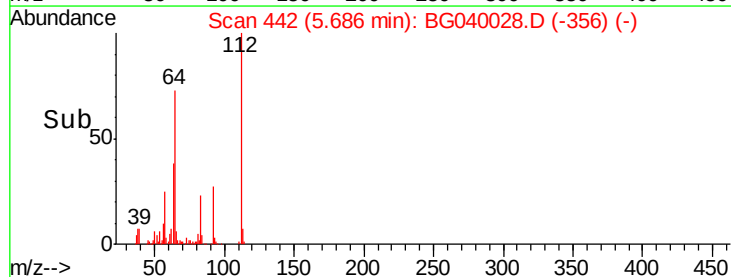
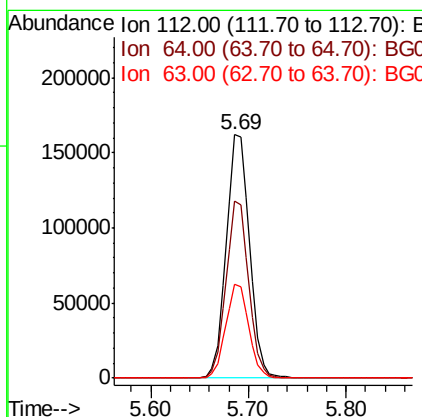
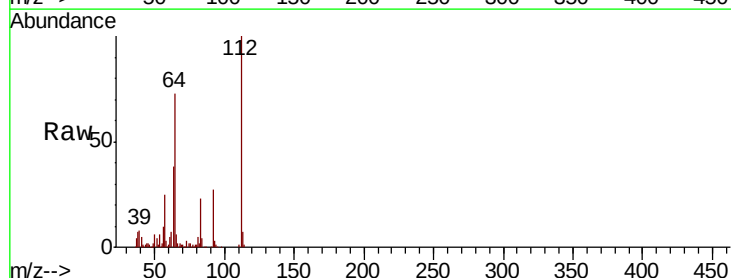
Tgt Ion:152 Resp: 34570
Ion Ratio Lower Upper
152 100
150 151.0 123.7 185.5
115 60.3 45.9 68.9

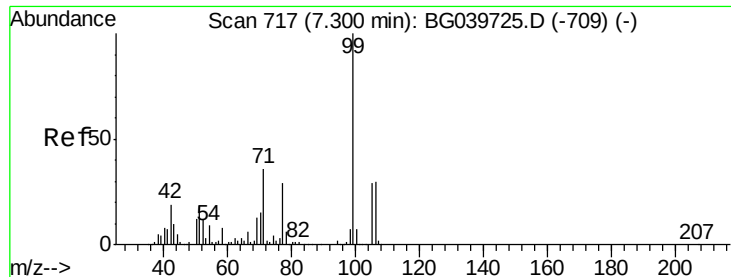


#5

2-Fluorophenol
Concen: 132.406 ng
RT: 5.69 min Scan# 442
Delta R.T. -0.02 min
Lab File: BG040028.D
Acq: 20 Mar 2019 7:54

Tgt Ion:112 Resp: 268304
Ion Ratio Lower Upper
112 100
64 72.8 57.8 86.8
63 38.3 29.8 44.6





#7

Phenol-d6

Concen: 120.232 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040028.D

Acq: 20 Mar 2019 7:54

Instrument :

BNA_G

ClientSampleId :

SU-01-031519-A

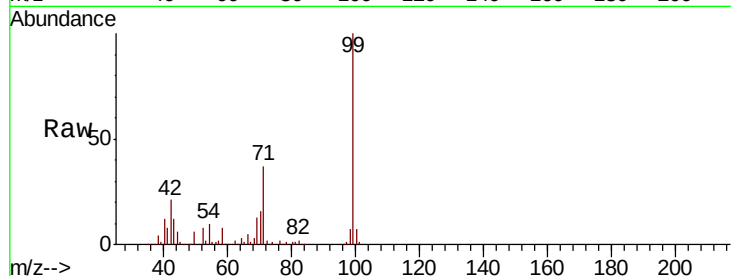
Tgt Ion: 99 Resp: 363274

Ion Ratio Lower Upper

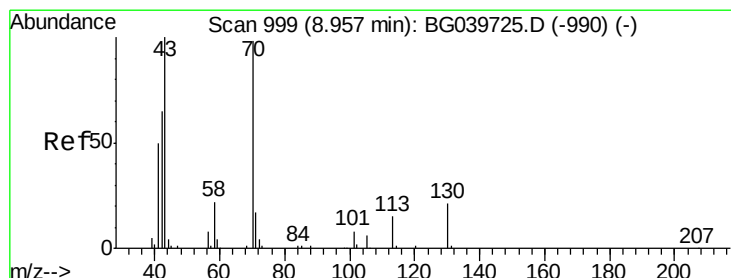
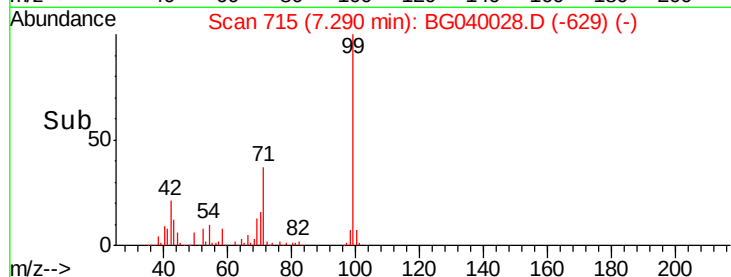
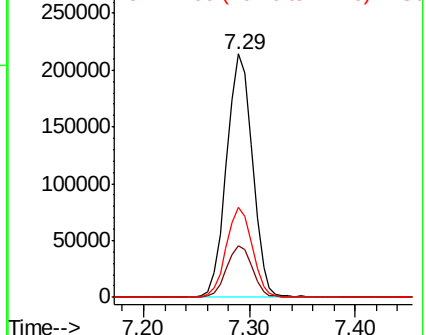
99 100

42 21.0 18.2 27.2

71 37.2 28.0 42.0



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: 16.662 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040028.D

Acq: 20 Mar 2019 7:54

Tgt Ion: 70 Resp: 36236

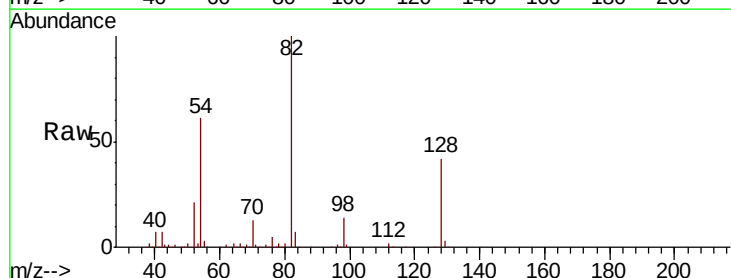
Ion Ratio Lower Upper

70 100

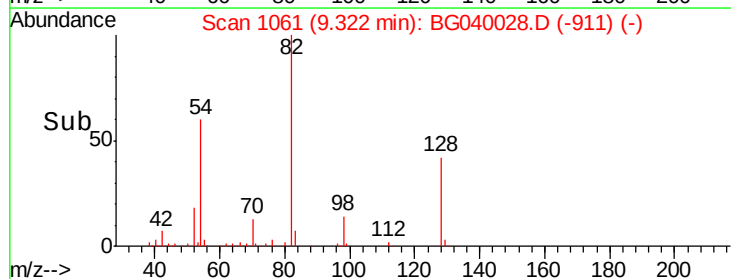
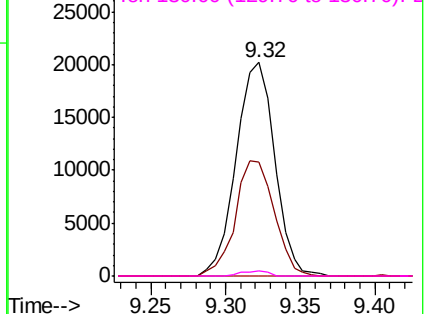
42 53.2 60.4 90.6#

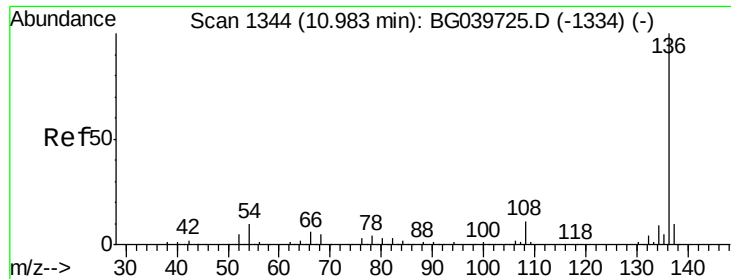
101 0.0 7.5 11.3#

130 2.2 16.9 25.3#



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

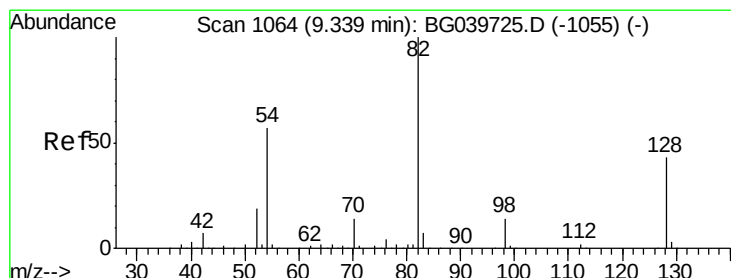
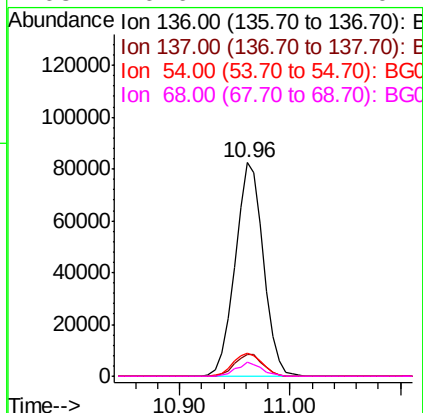
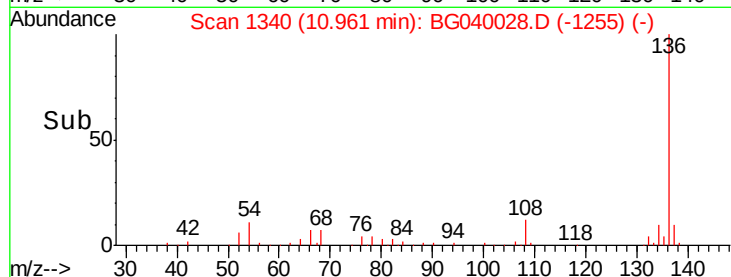
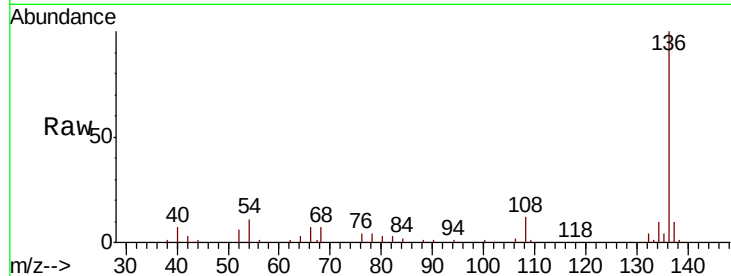




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040028.D
Acq: 20 Mar 2019 7:54

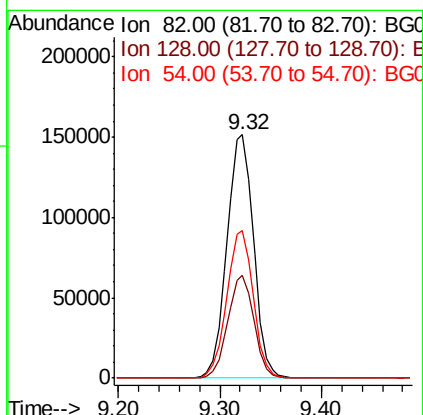
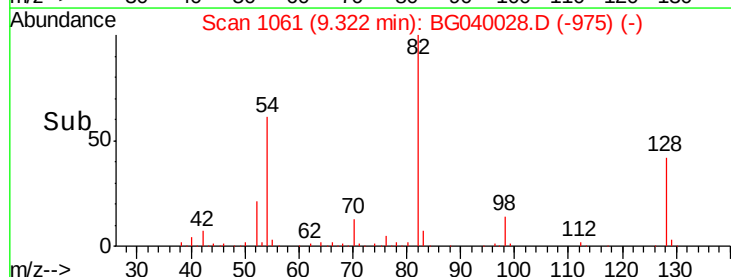
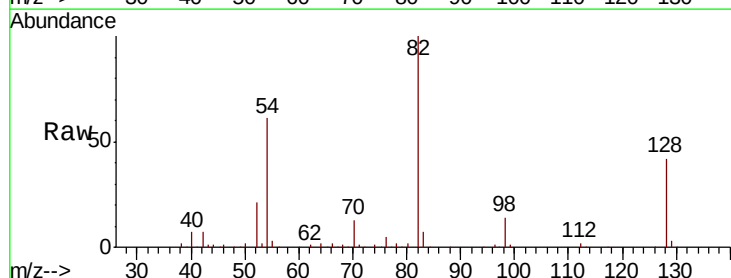
Instrument :
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SU-01-031519-A

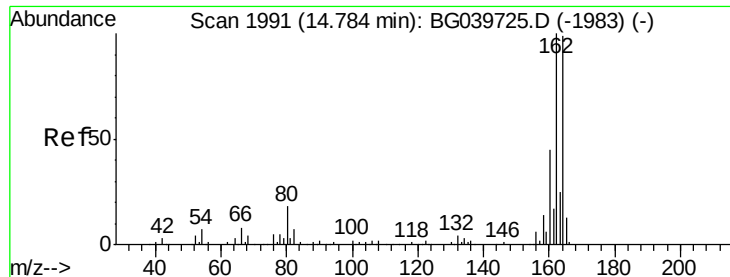
Tgt Ion: 136 Resp: 147772
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 11.1 9.4 14.2
68 6.6 4.2 6.4#



#23
Nitrobenzene-d5
Concen: 100.913 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040028.D
Acq: 20 Mar 2019 7:54

Tgt Ion: 82 Resp: 275722
Ion Ratio Lower Upper
82 100
128 42.4 31.3 46.9
54 60.8 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: BG040028.D

Acq: 20 Mar 2019 7:54

Instrument :

BNA_G

ClientSampleId :

SU-01-031519-A

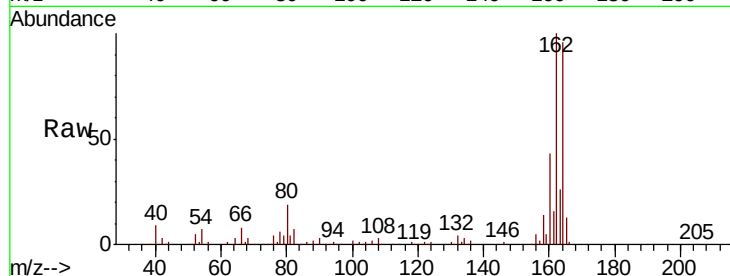
Tgt Ion:164 Resp: 99330

Ion Ratio Lower Upper

164 100

162 104.2 81.6 122.4

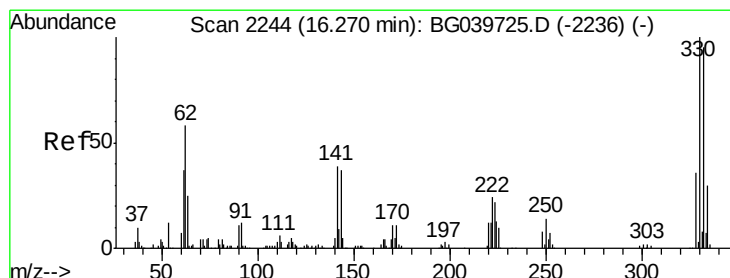
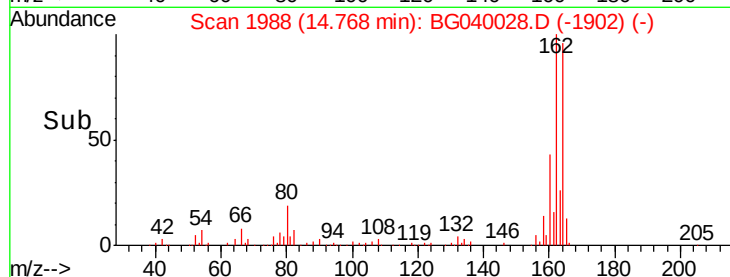
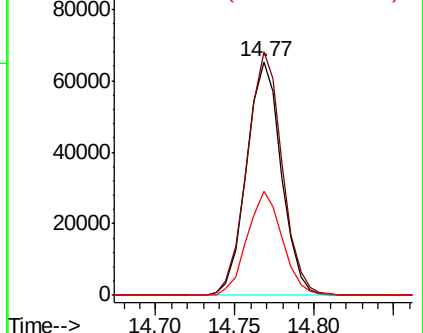
160 44.3 34.2 51.2



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: 151.527 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040028.D

Acq: 20 Mar 2019 7:54

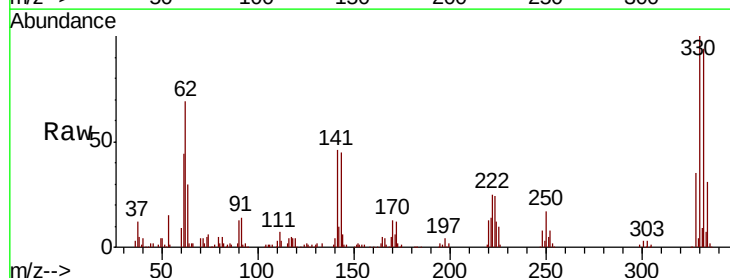
Tgt Ion:330 Resp: 175433

Ion Ratio Lower Upper

330 100

332 95.6 75.7 113.5

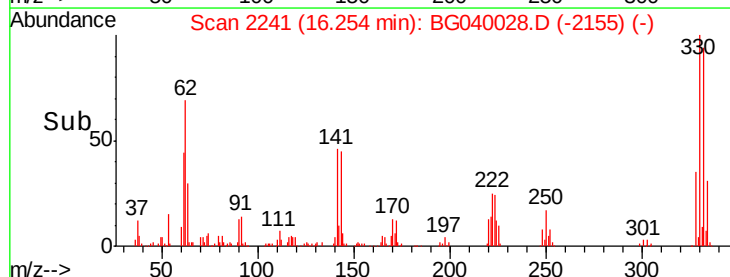
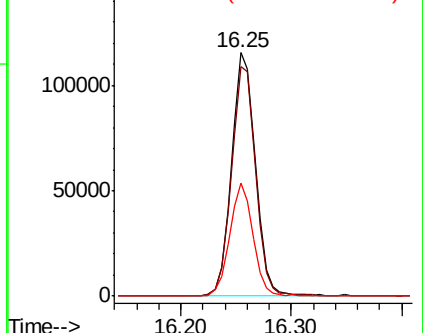
141 45.3 35.6 53.4

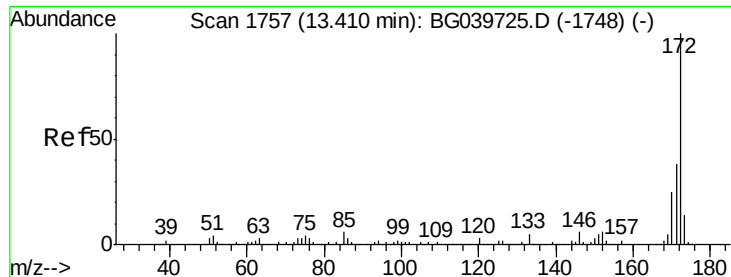


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

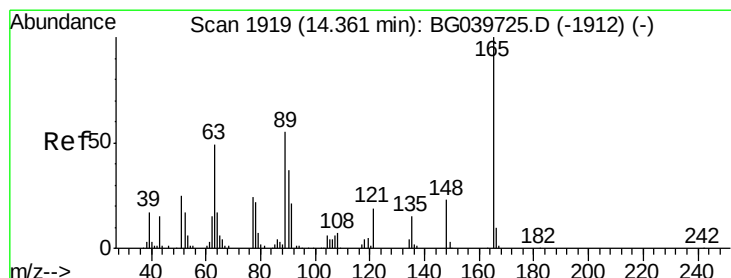
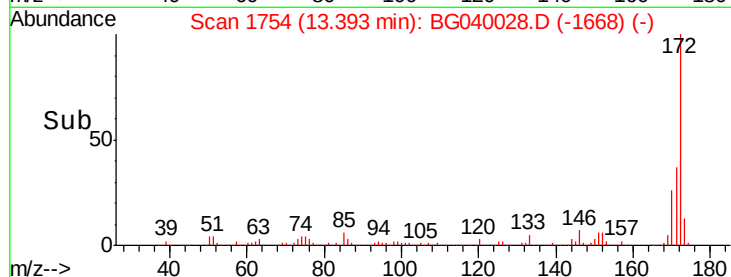
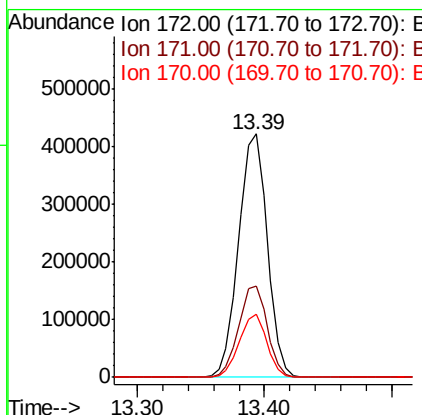
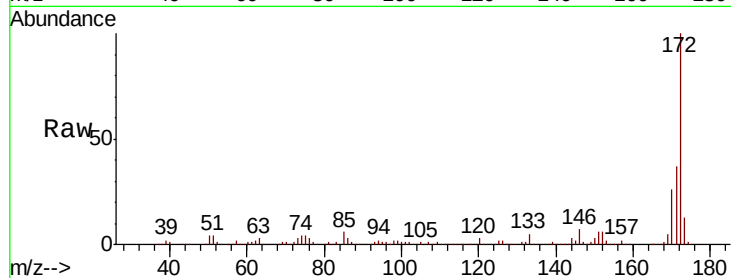




#45
 2-Fluorobiphenyl
 Concen: 94.814 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040028.D
 Acq: 20 Mar 2019 7:54

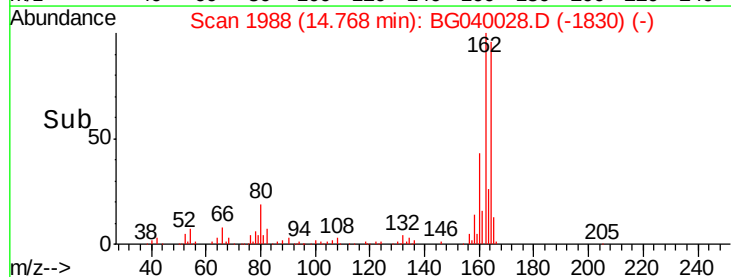
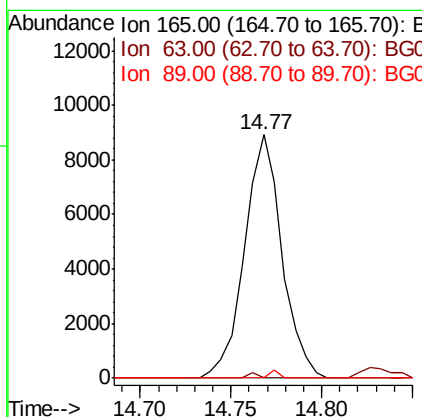
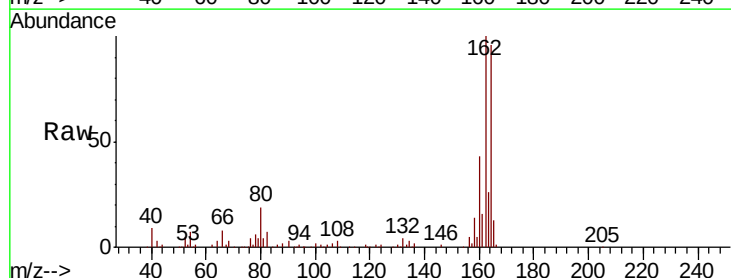
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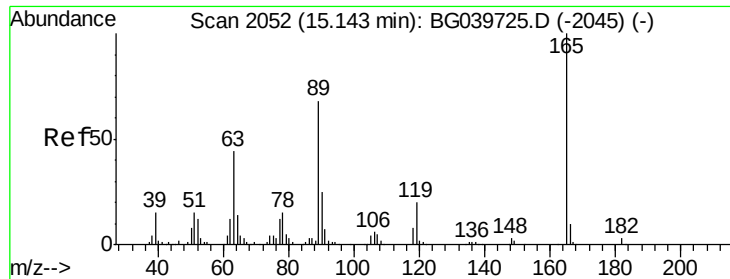
Tgt Ion:172 Resp: 661450
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 25.7 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.240 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040028.D
 Acq: 20 Mar 2019 7:54

Tgt Ion:165 Resp: 12749
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 0.0 45.8 68.8#

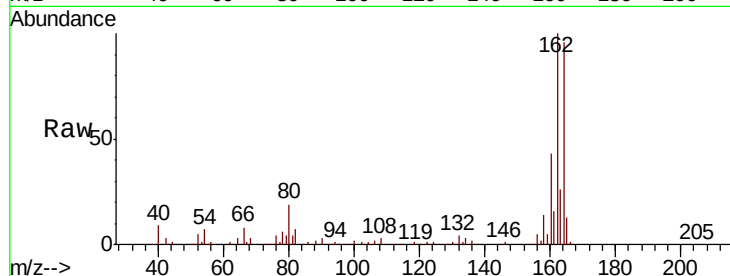




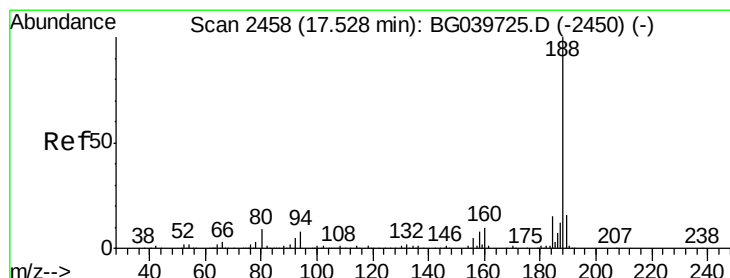
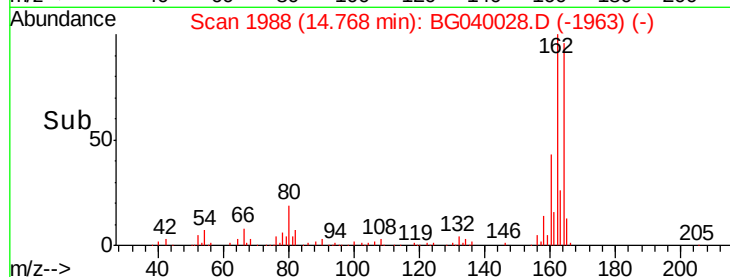
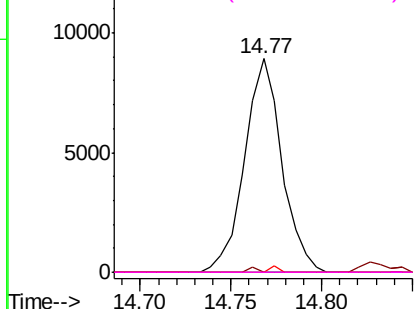
#57
 2,4-Dinitrotoluene
 Concen: 5.153 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040028.D
 Acq: 20 Mar 2019 7:54

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-031519-A

Tgt Ion:	165	Resp:	12749
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#

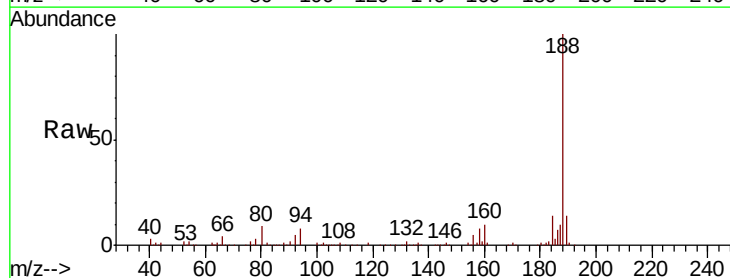


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

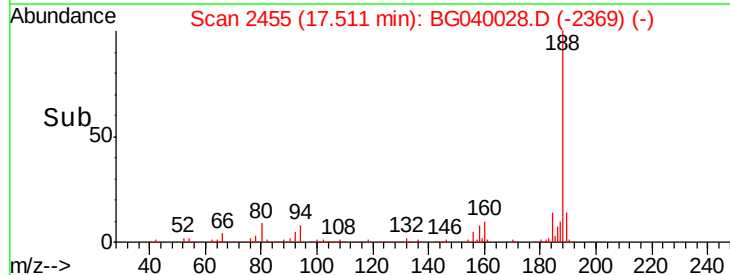
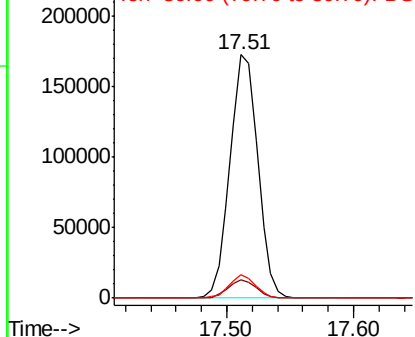


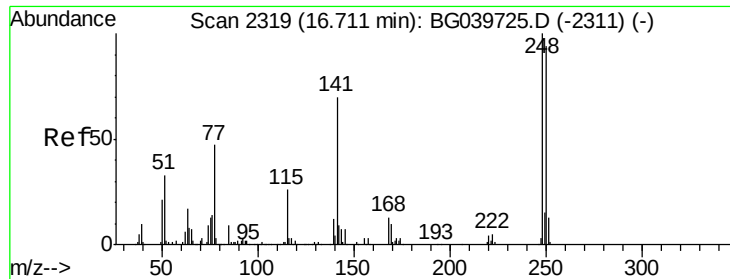
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040028.D
 Acq: 20 Mar 2019 7:54

Tgt Ion:	188	Resp:	262464
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	9.4	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

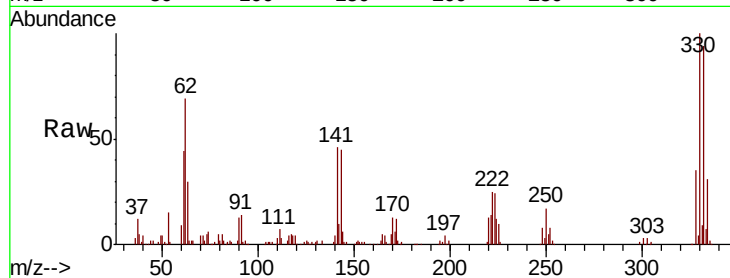




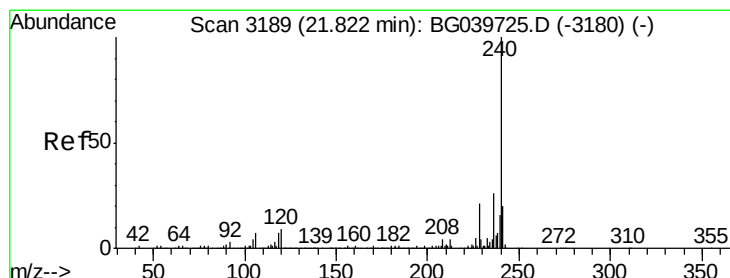
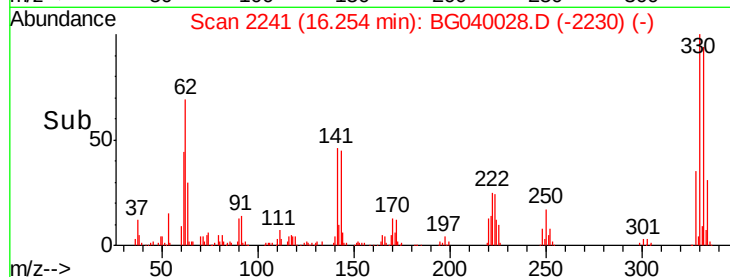
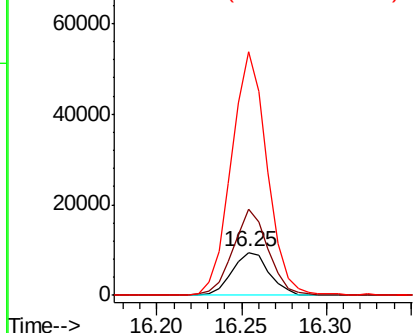
#67
 4-Bromophenyl-phenylether
 Concen: 4.936 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040028.D
 Acq: 20 Mar 2019 7:54

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-031519-A

Tgt Ion:248 Resp: 14500
 Ion Ratio Lower Upper
 248 100
 250 201.1 77.6 116.4#
 141 565.3 63.9 95.9#

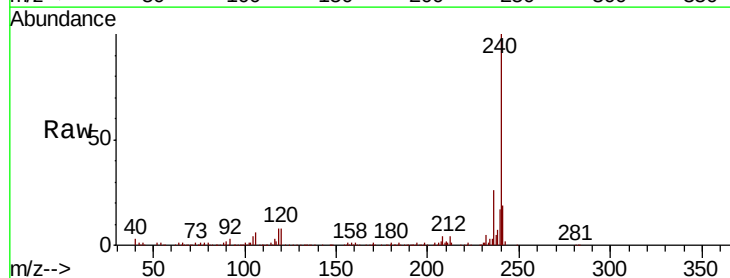


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

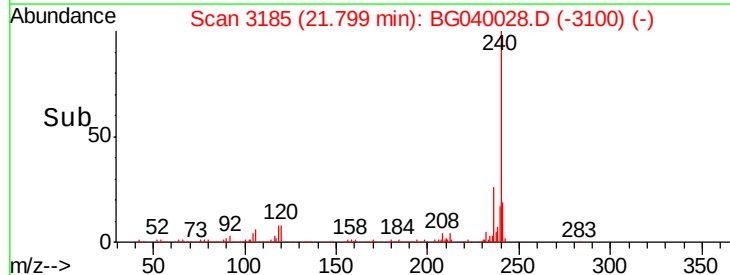
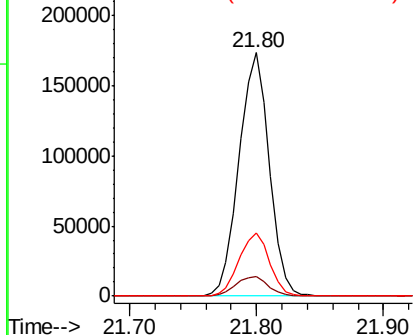


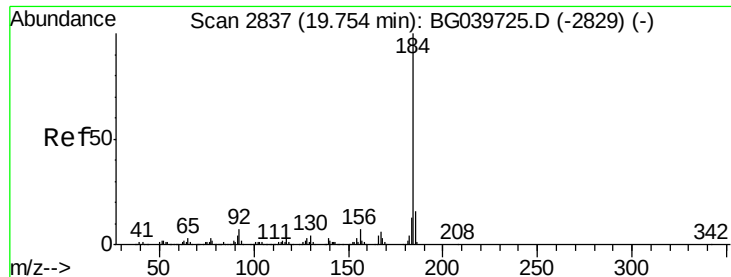
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.03 min
 Lab File: BG040028.D
 Acq: 20 Mar 2019 7:54

Tgt Ion:240 Resp: 286482
 Ion Ratio Lower Upper
 240 100
 120 7.8 7.0 10.6
 236 25.8 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: 2.596 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040028.D

Acq: 20 Mar 2019 7:54

Instrument :

BNA_G

ClientSampleId :

SU-01-031519-A

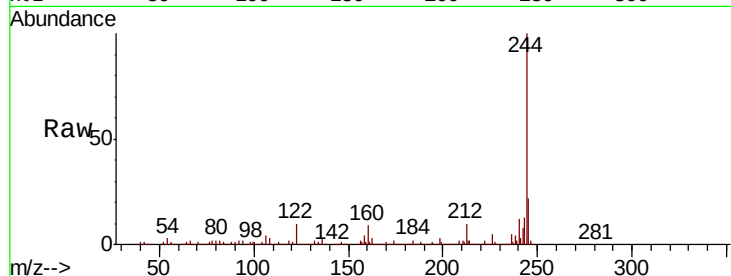
Tgt Ion:184 Resp: 23600

Ion Ratio Lower Upper

184 100

185 15.0 12.2 18.2

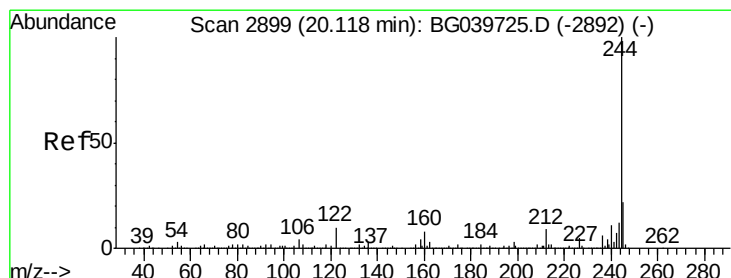
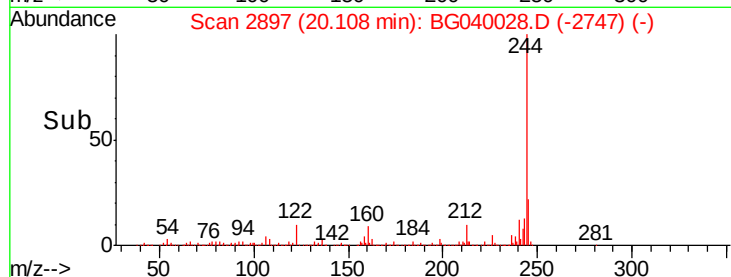
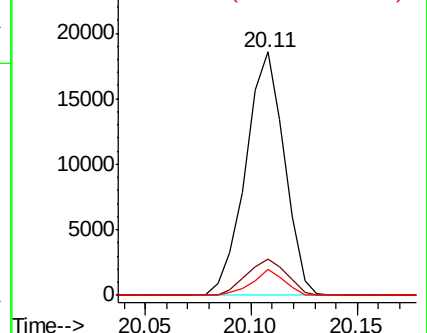
183 10.8 10.6 15.8



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: 96.043 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040028.D

Acq: 20 Mar 2019 7:54

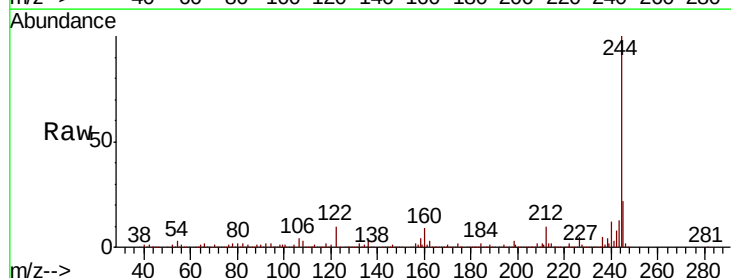
Tgt Ion:244 Resp: 1249635

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

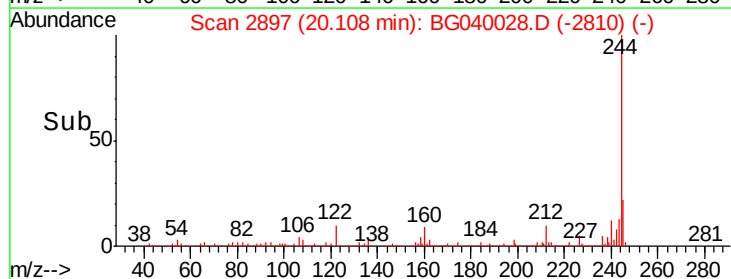
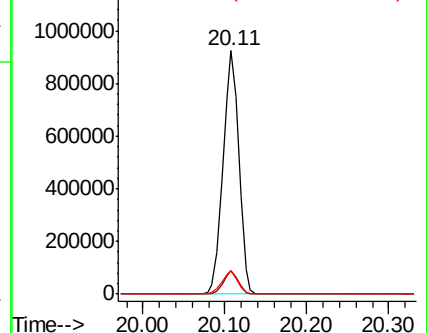
122 9.5 8.4 12.6

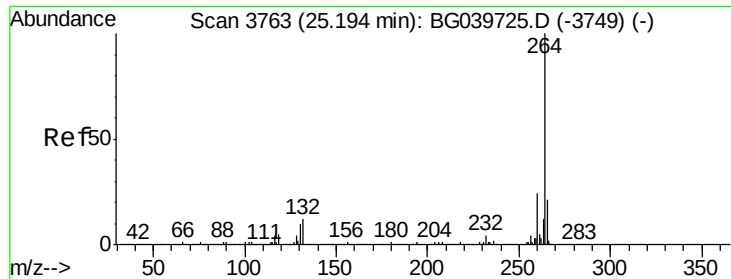


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG040028.D

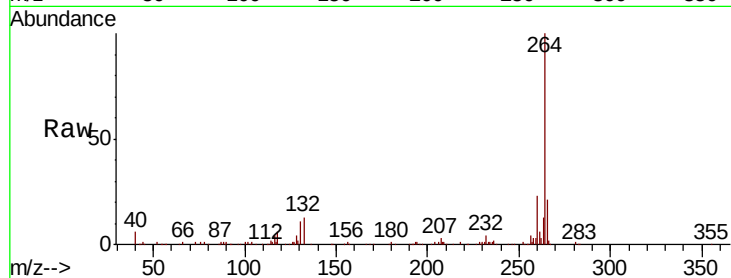
Acq: 20 Mar 2019 7:54

Instrument :

BNA_G

ClientSampleId :

SU-01-031519-A



Tgt Ion: 264 Resp: 282267

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 21.4 18.5 27.7

