

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
 Data File : BG040171.D
 Acq On : 27 Mar 2019 7:01
 Operator : JU/SJ
 Sample : K2081-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 13:44:19 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

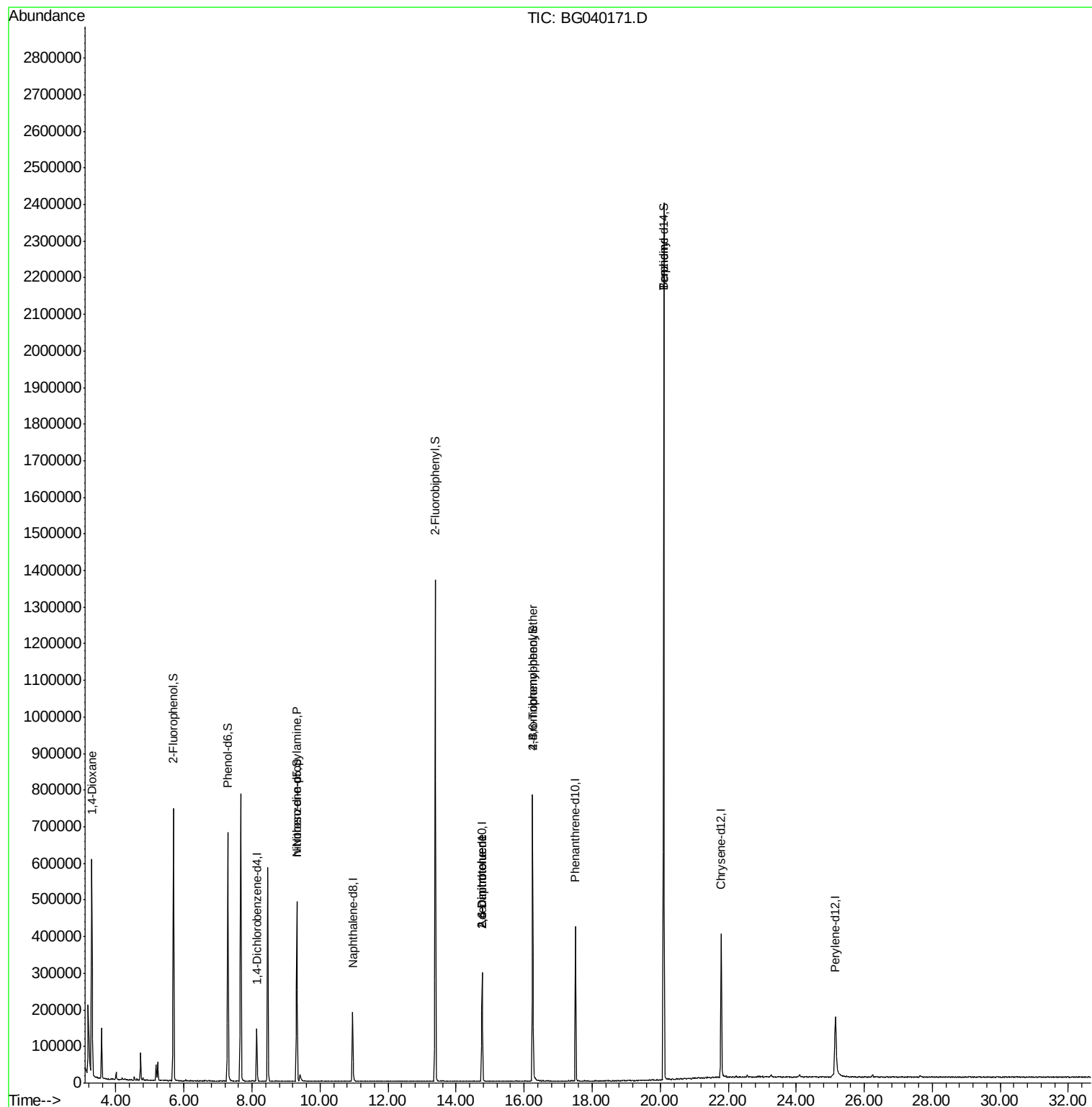
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	40143	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	162585	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	110114	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	262879	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	267625	20.00	ng	-0.04
87) Perylene-d12	25.15	264	240252	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	306010	130.05	ng	-0.02
7) Phenol-d6	7.29	99	398725	113.65	ng	-0.02
23) Nitrobenzene-d5	9.31	82	298702	99.36	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	148362	115.60	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	729225	94.29	ng	-0.03
79) Terphenyl-d14	20.11	244	1140325	93.82	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.29	88	5710	5.256	ng	# 1
19) n-Nitroso-di-n-propylamine	9.31	70	38800	15.364	ng	# 64
51) 2,6-Dinitrotoluene	14.76	165	13858	7.099	ng	# 25
57) 2,4-Dinitrotoluene	14.76	165	13858	5.053	ng	# 20
67) 4-Bromophenyl-phenylether	16.25	248	11535	3.920	ng	# 1
77) Benzidine	20.11	184	20145	2.372	ng	# 92

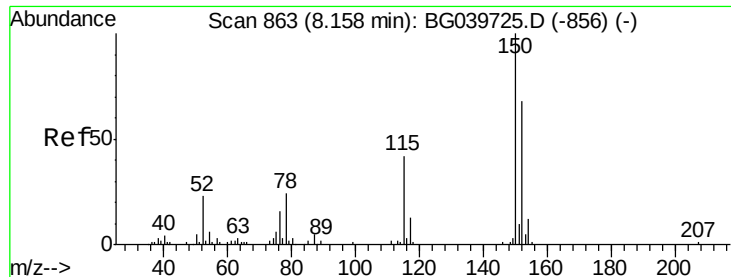
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040171.D

Acq: 27 Mar 2019 7:01

Instrument :

BNA_G

ClientSampled :

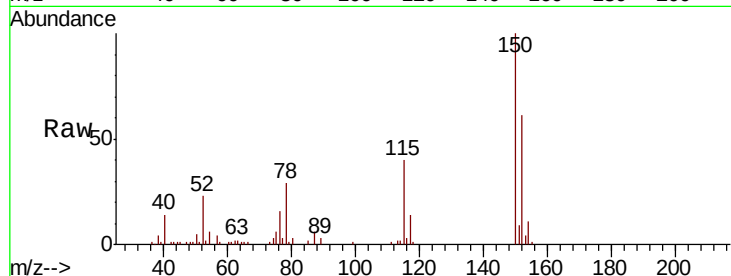
Tot Ion:152 Resp: 40143

Ion Ratio Lower Upper

152 100

150 163.3 123.7 185.5

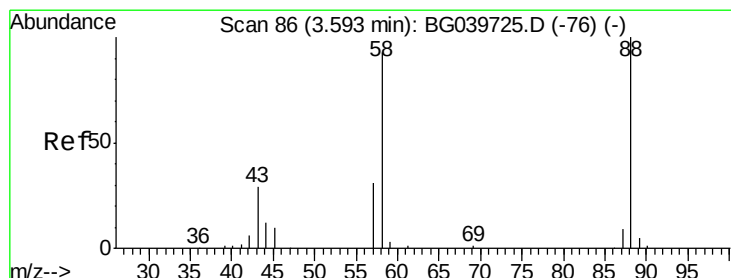
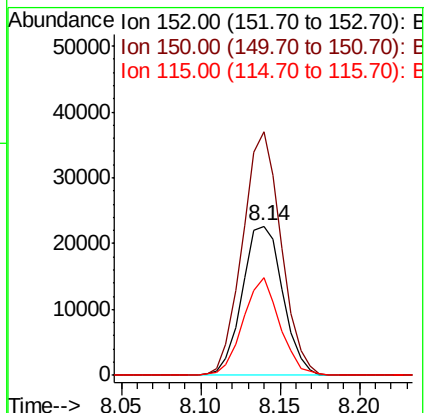
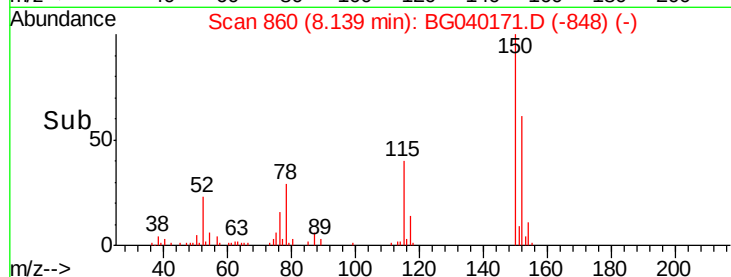
115 65.9 45.9 68.9



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



#2

1,4-Dioxane

Concen: 5.256 ng

RT: 3.29 min Scan# 35

Delta R.T. -0.31 min

Lab File: BG040171.D

Acq: 27 Mar 2019 7:01

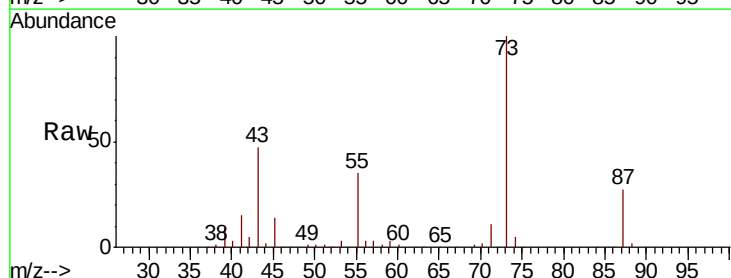
Tgt Ion: 88 Resp: 5710

Ion Ratio Lower Upper

88 100

58 48.1 81.1 121.7#

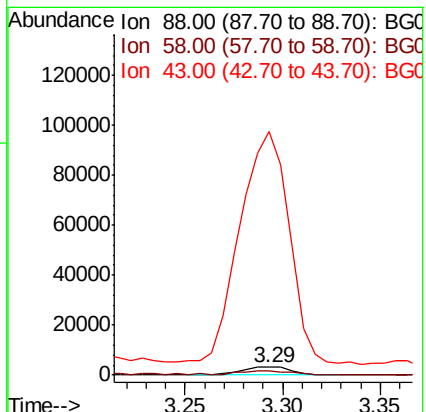
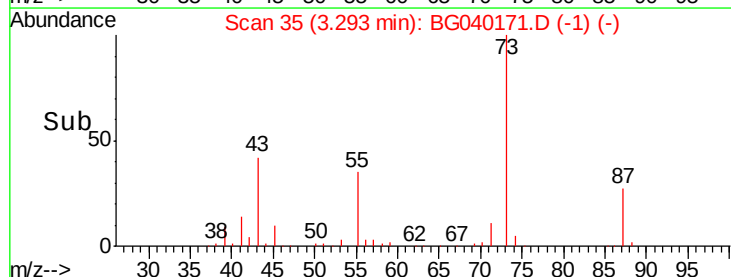
43 2907.8 31.4 47.0#

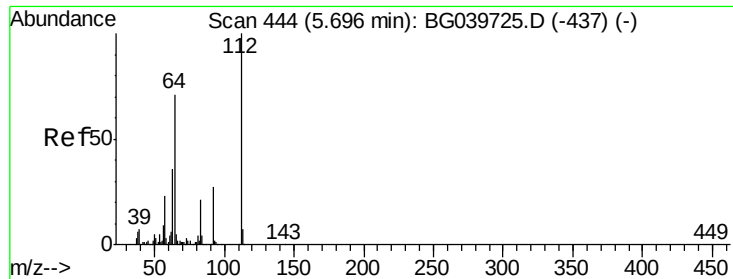


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 130.049 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040171.D

Acq: 27 Mar 2019 7:01

Instrument :

BNA_G

ClientSampled :

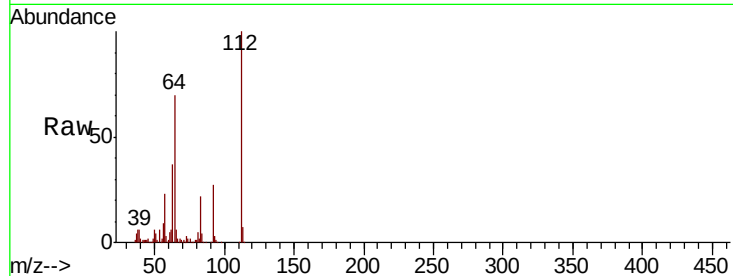
Tot Ion:112 Resp: 306010

Ion Ratio Lower Upper

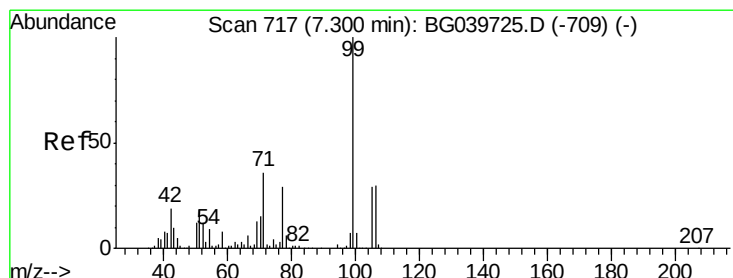
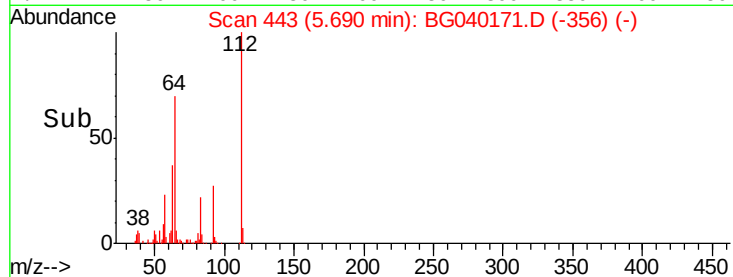
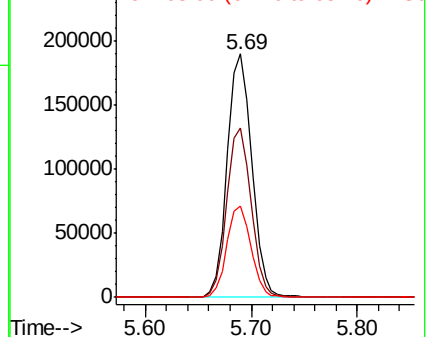
112 100

64 69.8 57.8 86.8

63 37.3 29.8 44.6



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



#7

Phenol-d6

Concen: 113.645 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040171.D

Acq: 27 Mar 2019 7:01

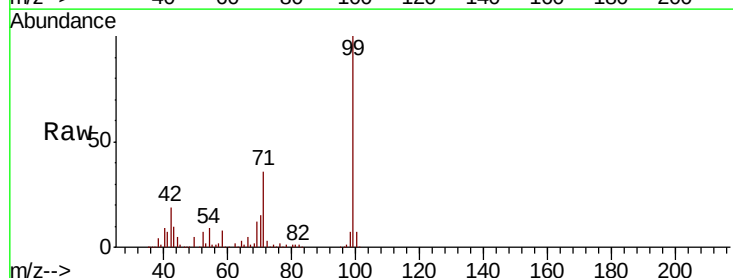
Tgt Ion: 99 Resp: 398725

Ion Ratio Lower Upper

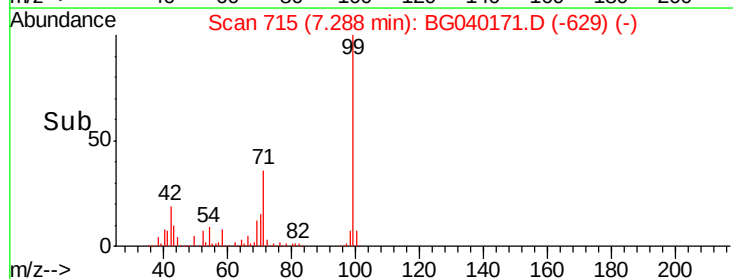
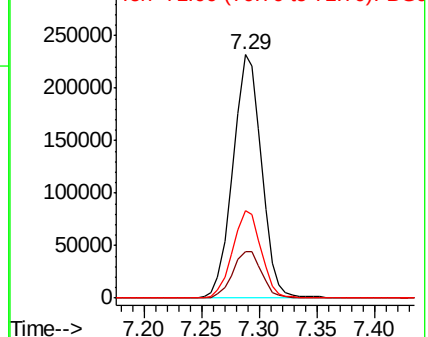
99 100

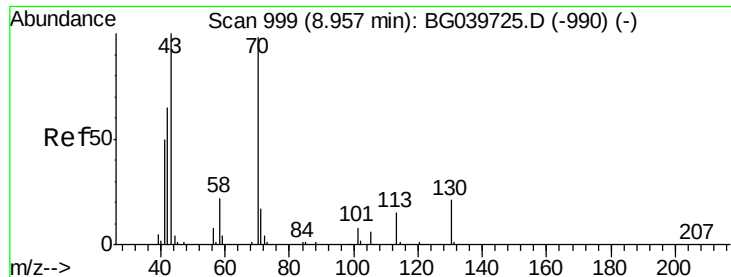
42 19.2 18.2 27.2

71 35.8 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

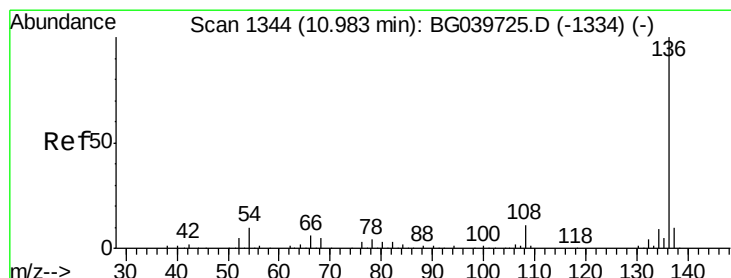
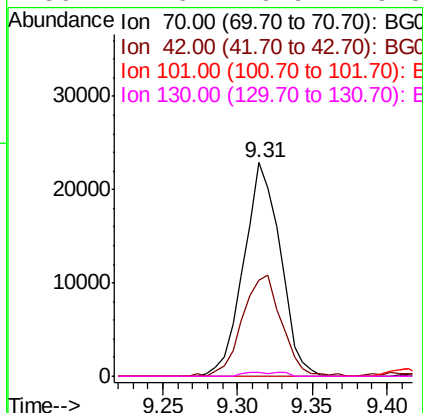
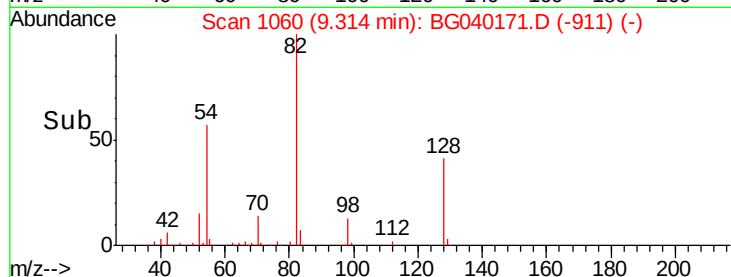
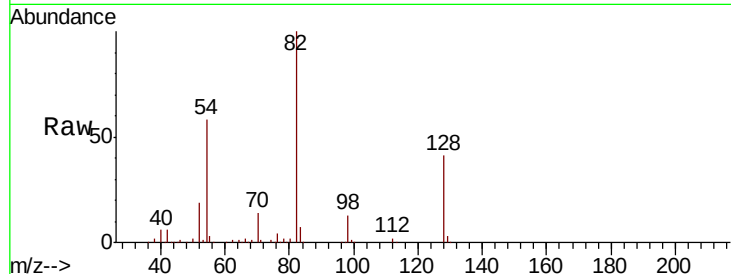




#19
n-Nitroso-di-n-propylamine
Concen: 15.364 ng
RT: 9.31 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040171.D
Acq: 27 Mar 2019 7:01

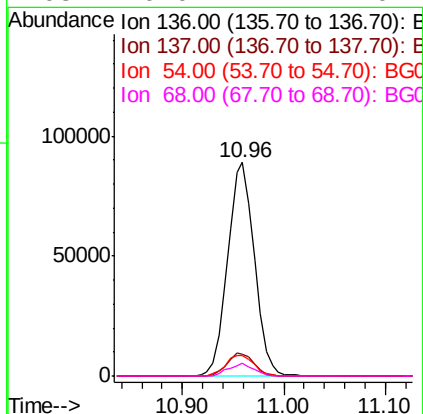
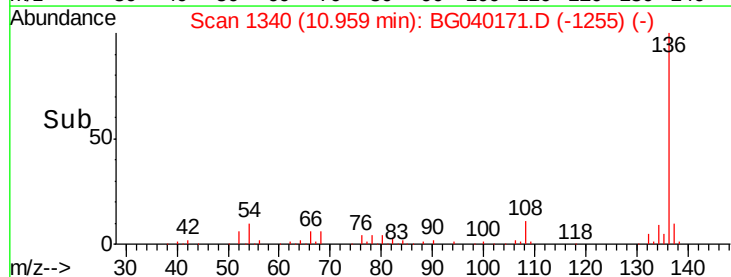
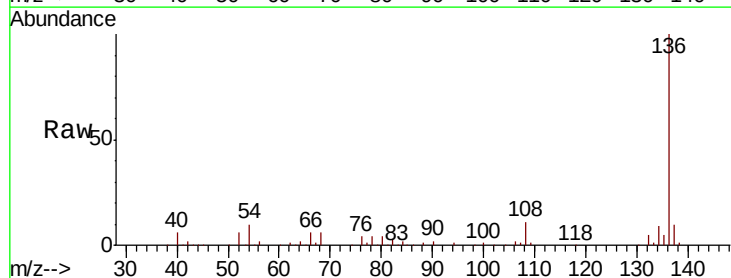
Instrument :
BNA_G
ClientSampleId :

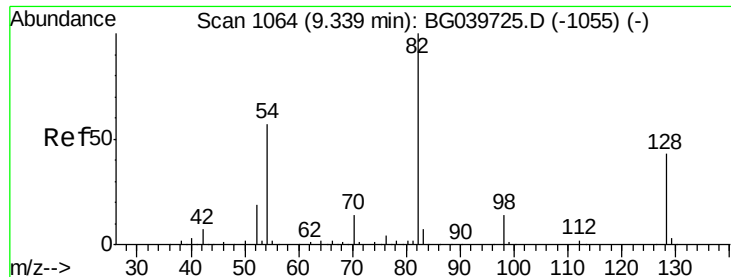
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.9	60.4	90.6#
101	0.0	7.5	11.3#
130	1.6	16.9	25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040171.D
Acq: 27 Mar 2019 7:01

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	9.7	9.4	14.2
68	6.0	4.2	6.4

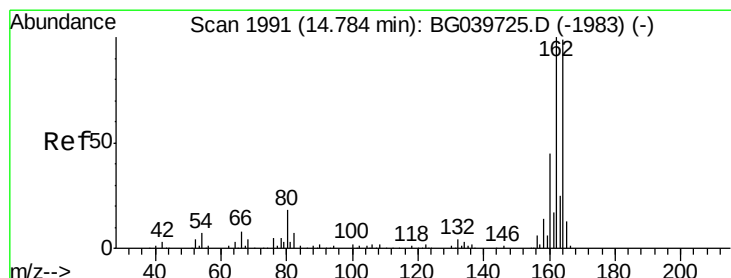
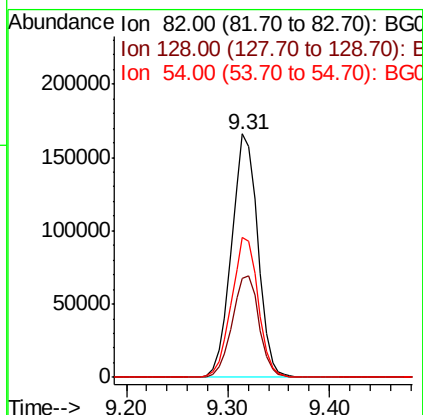
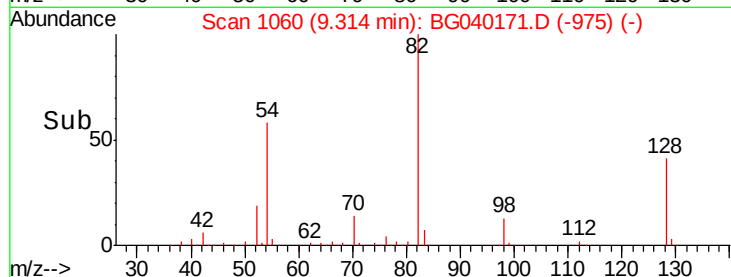
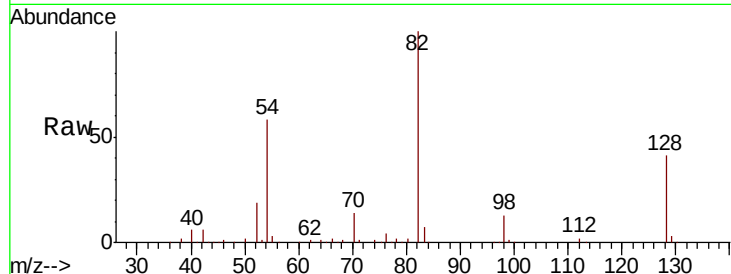




#23
Nitrobenzene-d5
Concen: 99.363 ng
RT: 9.31 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BG040171.D
Acq: 27 Mar 2019 7:01

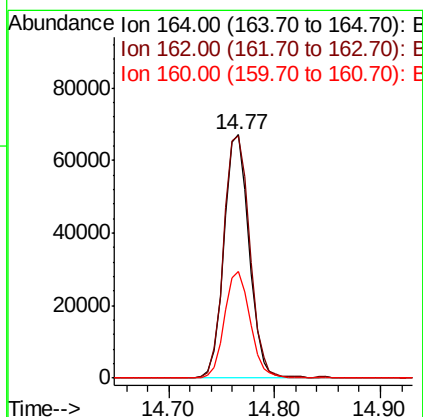
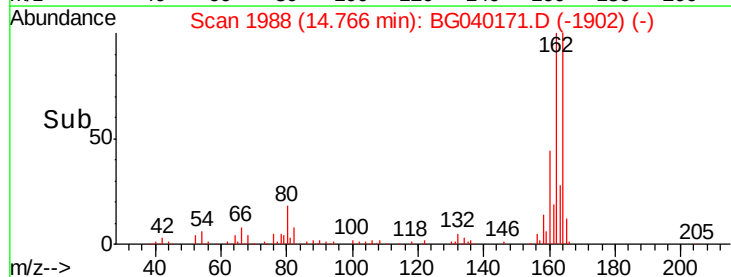
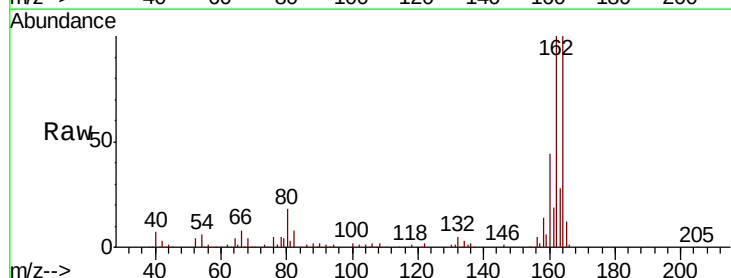
Instrument :
BNA_G
ClientSampled :

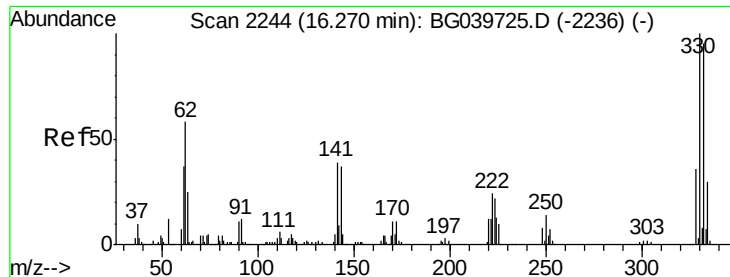
Tot Ion: 82 Resp: 298702
Ion Ratio Lower Upper
82 100
128 40.8 31.3 46.9
54 57.6 50.9 76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040171.D
Acq: 27 Mar 2019 7:01

Tgt Ion:164 Resp: 110114
Ion Ratio Lower Upper
164 100
162 99.7 81.6 122.4
160 43.8 34.2 51.2

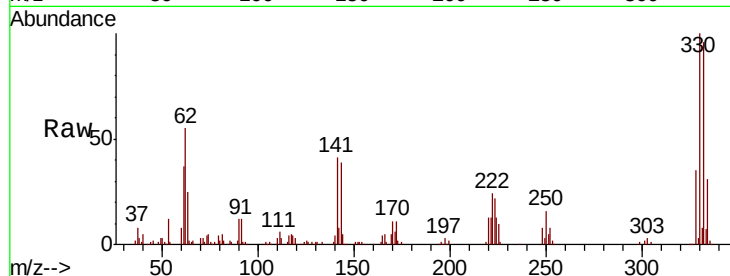




#42
 2,4,6-Tribromophenol
 Concen: 115.595 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040171.D
 Acq: 27 Mar 2019 7:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.7	113.5
141	39.7	35.6	53.4

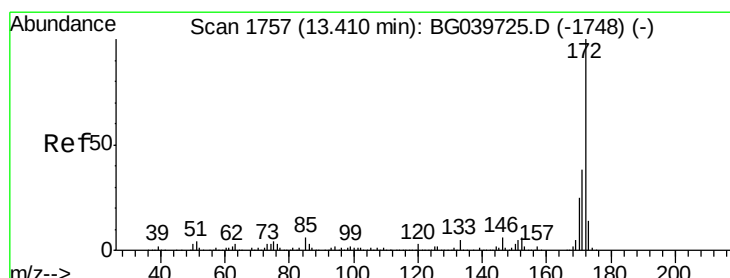
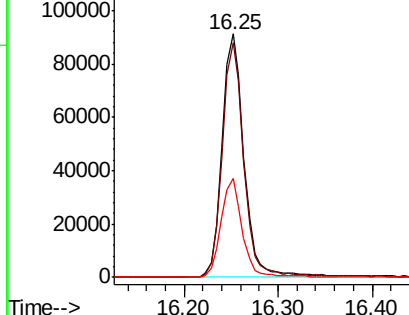
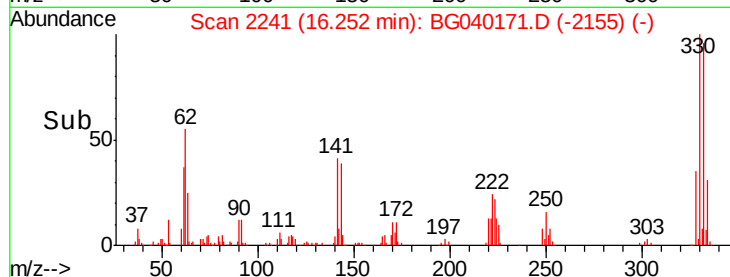


Abundance

Ion 329.80 (329.50 to 330.50): E

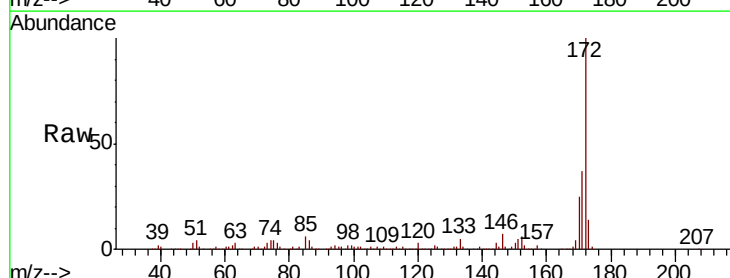
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.292 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040171.D
 Acq: 27 Mar 2019 7:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.8	46.2
170	24.5	20.2	30.4

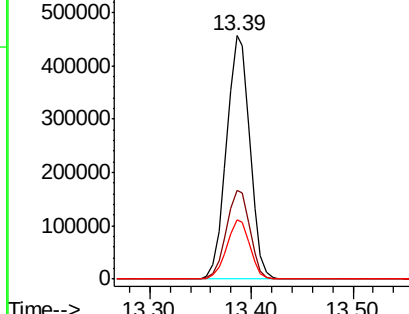
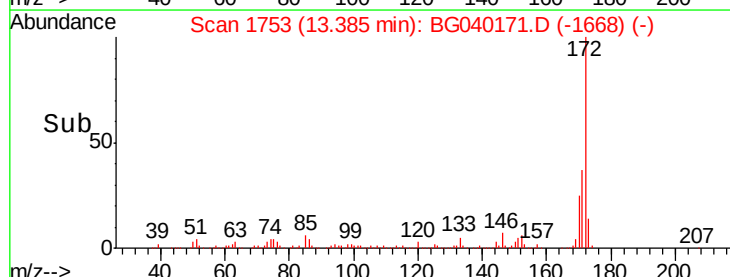


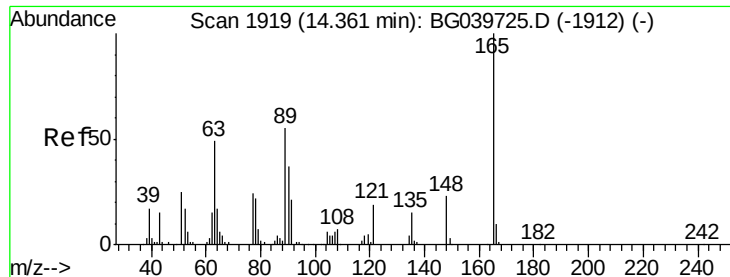
Abundance

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: 7.099 ng

RT: 14.76 min Scan# 1987

Delta R.T. 0.39 min

Lab File: BG040171.D

Acq: 27 Mar 2019 7:01

Instrument :

BNA_G

ClientSampled :

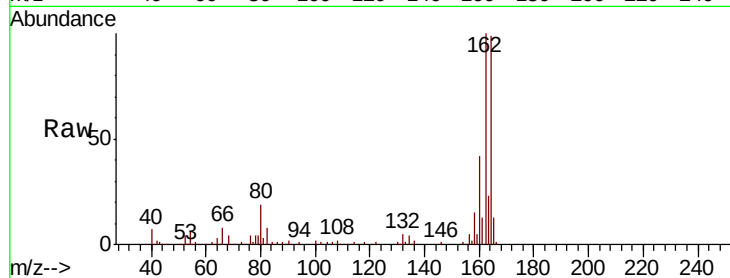
Tot Ion:165 Resp: 13858

Ion Ratio Lower Upper

165 100

63 2.1 47.0 70.6#

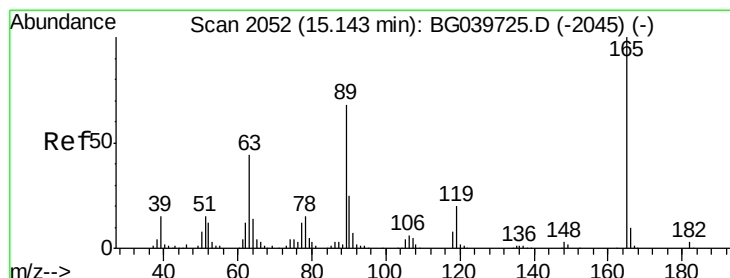
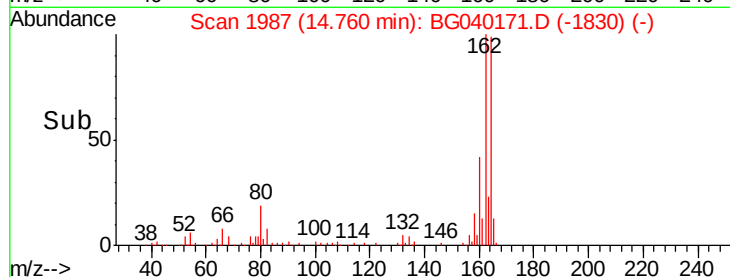
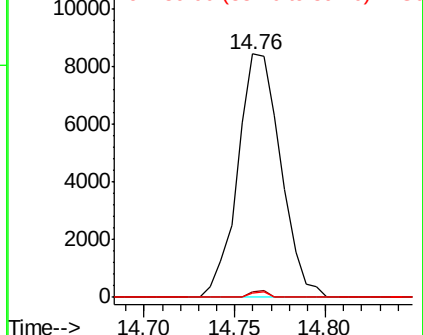
89 2.0 45.8 68.8#



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: 5.053 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.39 min

Lab File: BG040171.D

Acq: 27 Mar 2019 7:01

Tgt Ion:165 Resp: 13858

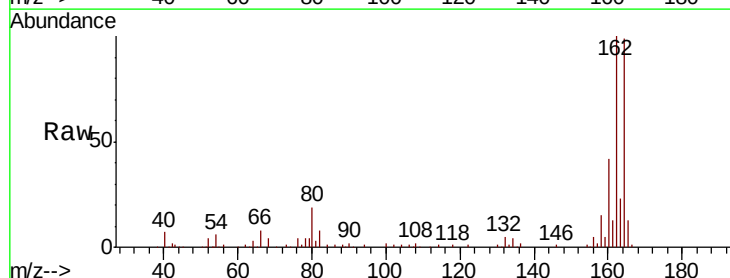
Ion Ratio Lower Upper

165 100

63 2.1 41.0 61.6#

89 2.0 64.6 96.8#

182 0.0 2.0 3.0#

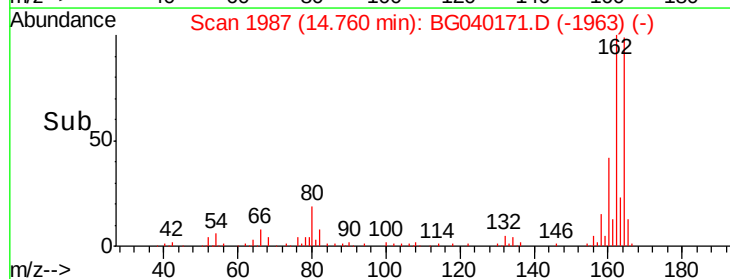
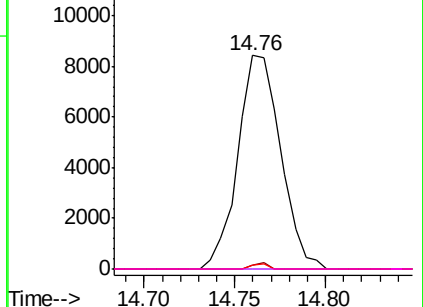


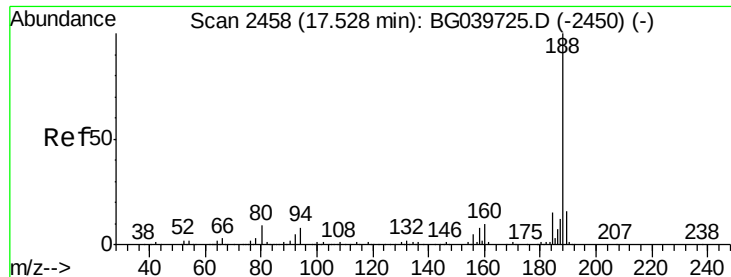
Abundance Ion 165.00 (164.70 to 165.70): E

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

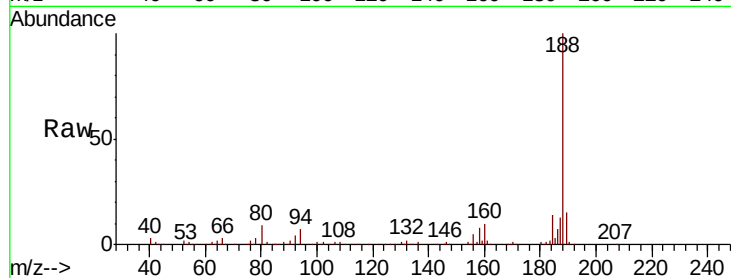




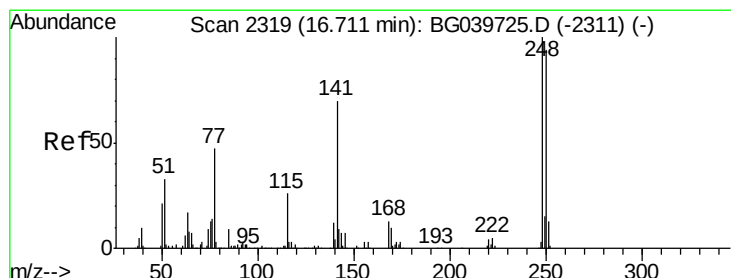
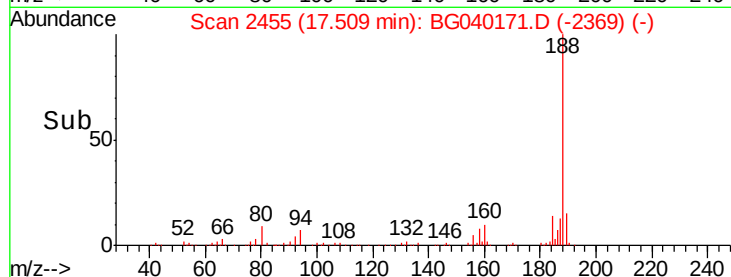
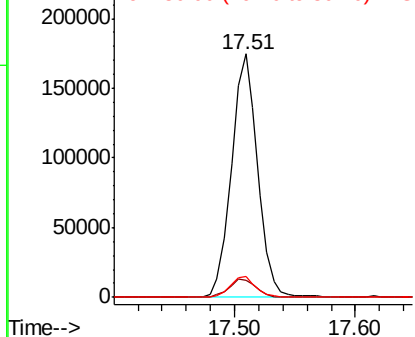
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040171.D
 Acq: 27 Mar 2019 7:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 262879
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 8.8 8.1 12.1

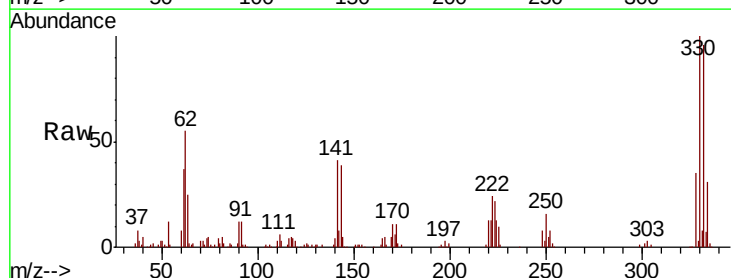


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

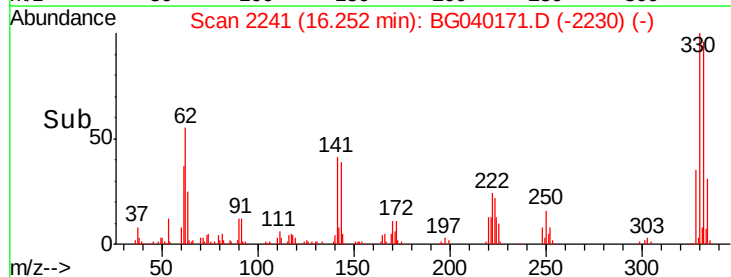
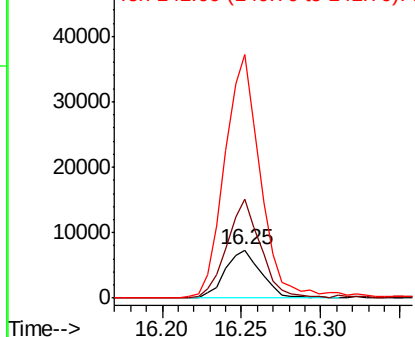


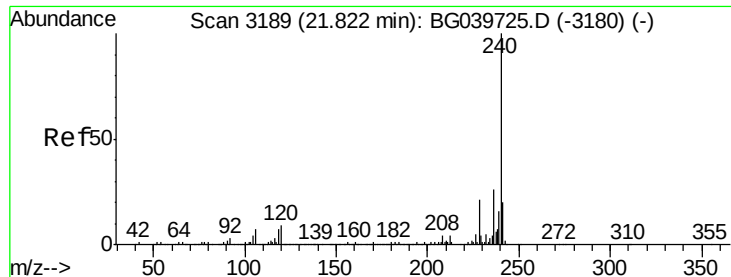
#67
 4-Bromophenyl-phenylether
 Concen: 3.920 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.47 min
 Lab File: BG040171.D
 Acq: 27 Mar 2019 7:01

Tgt Ion:248 Resp: 11535
 Ion Ratio Lower Upper
 248 100
 250 203.5 77.6 116.4#
 141 503.6 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

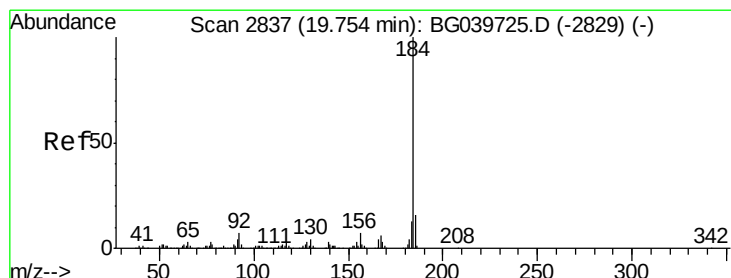
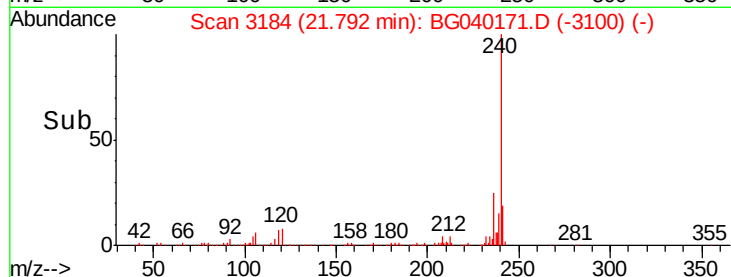
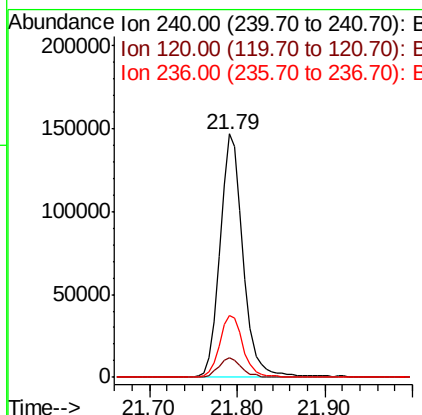
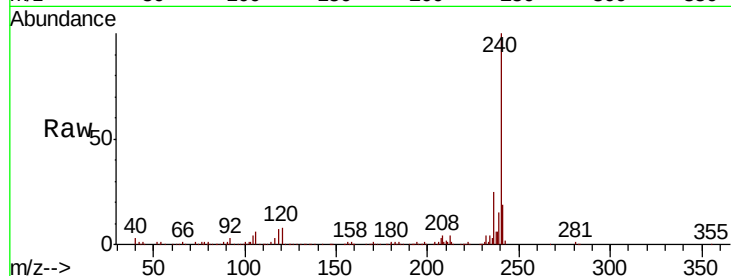




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.04 min
Lab File: BG040171.D
Acq: 27 Mar 2019 7:01

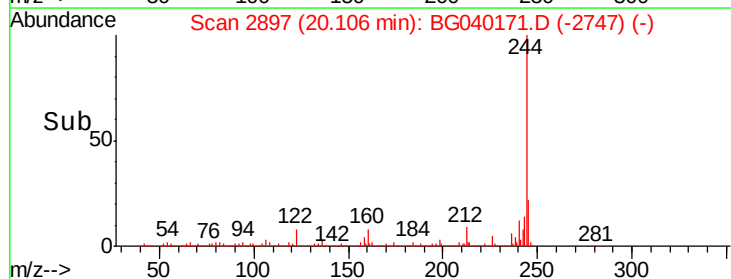
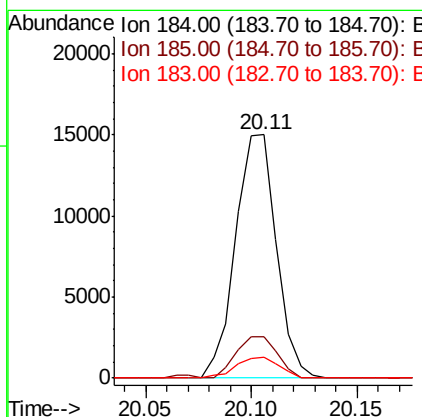
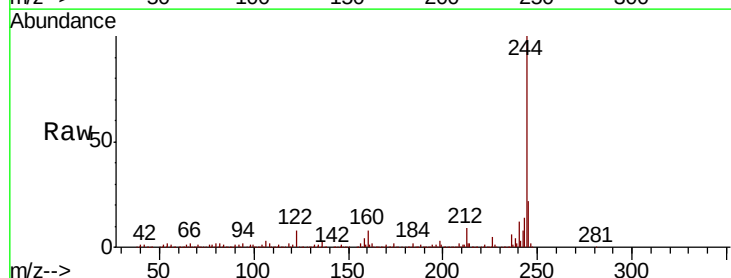
Instrument :
BNA_G
ClientSampleId :

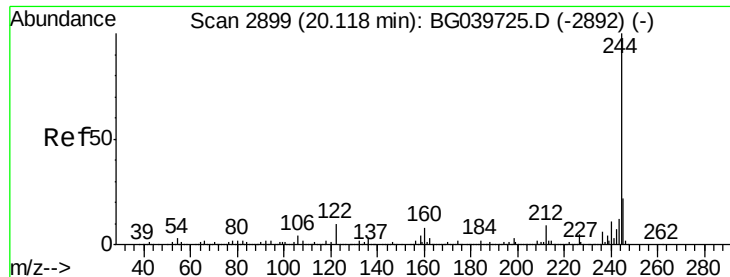
Tot Ion:240 Resp: 267625
Ion Ratio Lower Upper
240 100
120 7.9 7.0 10.6
236 25.3 21.0 31.4



#77
Benzidine
Concen: 2.372 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040171.D
Acq: 27 Mar 2019 7:01

Tgt Ion:184 Resp: 20145
Ion Ratio Lower Upper
184 100
185 16.8 12.2 18.2
183 8.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 93.817 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040171.D

Acq: 27 Mar 2019 7:01

Instrument :

BNA_G

ClientSampleId :

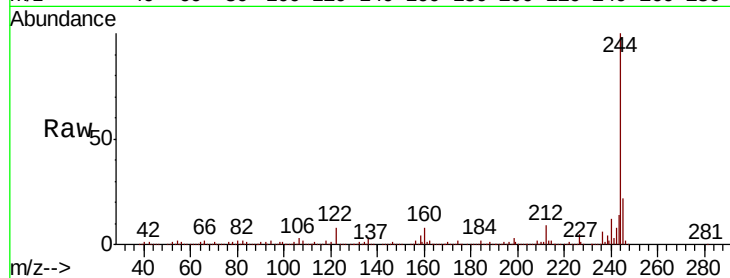
Tot Ion:244 Resp: 1140325

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.3	10.9
122	8.5	8.4	12.6

244 100

212 8.8 7.3 10.9

122 8.5 8.4 12.6

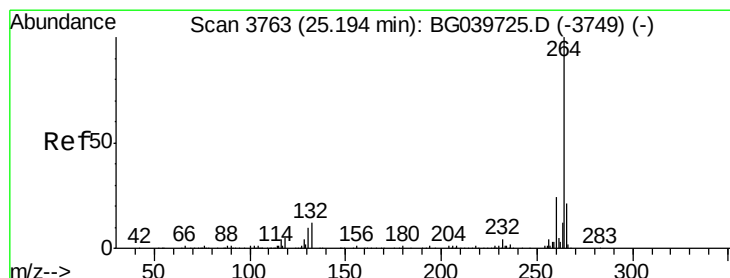
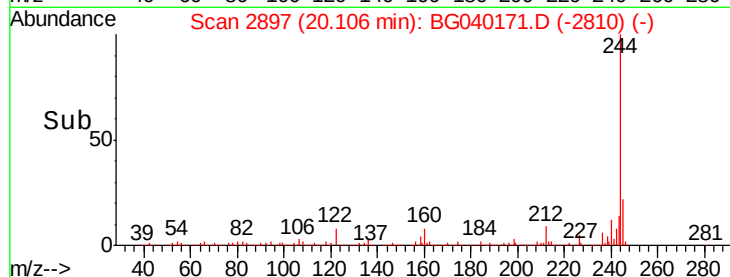
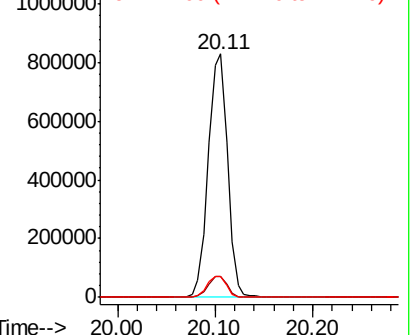


Abundance

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: 25.15 min Scan# 3756

Delta R.T. -0.05 min

Lab File: BG040171.D

Acq: 27 Mar 2019 7:01

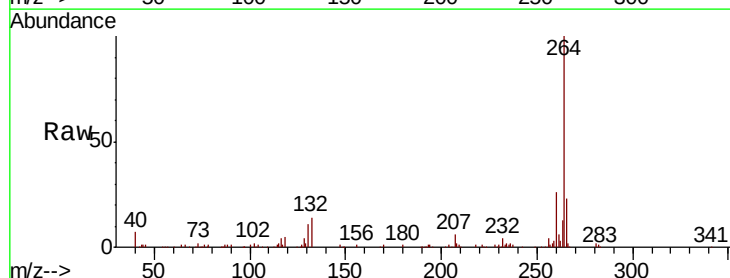
Tgt Ion:264 Resp: 240252

Ion	Ratio	Lower	Upper
264	100		
260	26.0	18.2	27.4
265	22.6	18.5	27.7

264 100

260 26.0 18.2 27.4

265 22.6 18.5 27.7



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

