

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032119\
 Data File : BG040073.D
 Acq On : 21 Mar 2019 19:50
 Operator : JU/SJ
 Sample : K1694-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

Quant Time: Mar 22 01:35:00 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	38471	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	168229	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	117691	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	295012	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	293181	20.00	ng	-0.03
87) Perylene-d12	25.16	264	290691	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	302137	133.98	ng	-0.02
7) Phenol-d6	7.29	99	389540	115.85	ng	-0.02
23) Nitrobenzene-d5	9.32	82	292322	93.98	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	186061	135.64	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	736329	89.08	ng	-0.02
79) Terphenyl-d14	20.11	244	1185673	89.04	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	3881	3.728	ng	# 1
3) Pyridine	4.37	79	54	0.019	ng	# 8
4) n-Nitrosodimethylamine	3.90	42	756	0.572	ng	# 1
6) Aniline	7.67	93	448	0.102	ng	# 1
8) 2-Chlorophenol	7.71	128	55	0.020	ng	# 27
9) Benzaldehyde	7.29	77	729	0.336	ng	# 22
10) Phenol	7.67	94	880	0.242	ng	# 1
11) bis(2-Chloroethyl)ether	7.67	93	448	0.158	ng	# 1
12) 1,3-Dichlorobenzene	8.16	146	58	0.019	ng	# 1
13) 1,4-Dichlorobenzene	8.18	146	84	0.027	ng	# 73
14) 1,2-Dichlorobenzene	8.50	146	310	0.102	ng	# 70
15) Benzyl Alcohol	8.47	79	4418	1.656	ng	# 53
16) 2,2'-oxybis(1-Chloropropan	8.67	45	330	0.058	ng	# 75
18) Hexachloroethane	9.26	117	67	0.059	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	37252	15.392	ng	# 68
22) Acetophenone	8.98	105	270	0.060	ng	# 44
24) Nitrobenzene	9.32	77	1197	0.367	ng	# 35
27) 2,4-Dimethylphenol	10.42	122	55	0.022	ng	# 3
31) Naphthalene	11.01	128	1738	0.195	ng	# 69
32) Benzoic acid	10.42	122	55	6.627	ng	# 1
37) 2-Methylnaphthalene	12.61	142	698	0.105	ng	# 73
38) 1-Methylnaphthalene	12.82	142	827	0.128	ng	# 87
46) 1,1'-Biphenyl	13.60	154	1268	0.131	ng	# 75
48) 2-Nitroaniline	13.39	65	1233	0.527	ng	# 1
49) Acenaphthylene	14.49	152	88	0.007	ng	# 59
51) 2,6-Dinitrotoluene	14.77	165	15313	7.340	ng	# 23
52) Acenaphthene	14.83	154	557	0.077	ng	# 85
55) Dibenzofuran	15.17	168	455	0.039	ng	# 45
57) 2,4-Dinitrotoluene	14.77	165	15313	5.224	ng	# 19
58) Fluorene	15.81	166	885	0.095	ng	# 75
60) Diethylphthalate	15.56	149	86	0.009	ng	# 58
63) Azobenzene	16.26	77	812	0.092	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.25	198	661	0.379	ng	# 1
66) n-Nitrosodiphenylamine	16.26	169	7967	0.933	ng	# 43

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032119\
 Data File : BG040073.D
 Acq On : 21 Mar 2019 19:50
 Operator : JU/SJ
 Sample : K1694-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

Quant Time: Mar 22 01:35:00 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

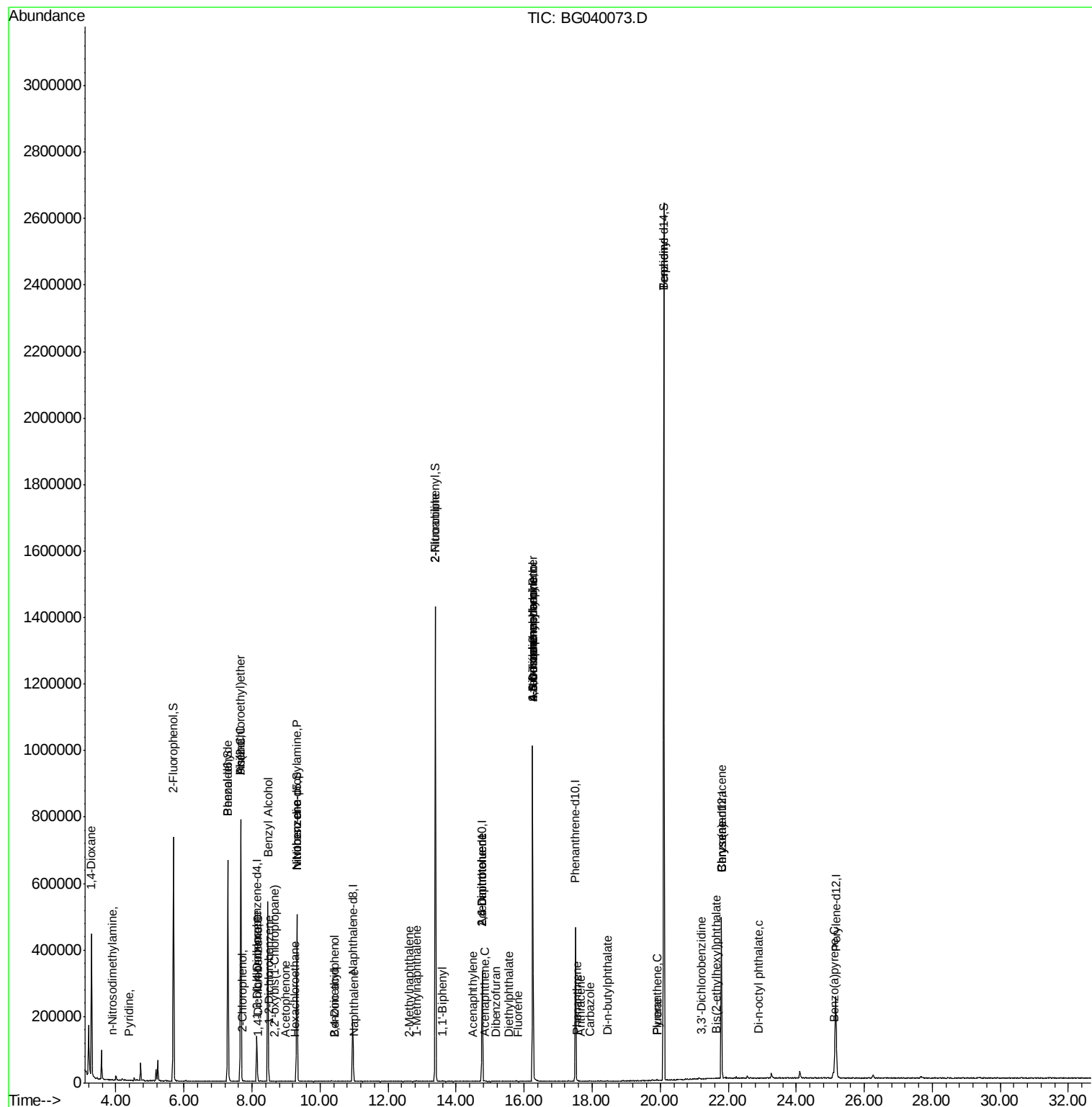
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
67) 4-Bromophenyl-phenylether	16.25	248	14397	4.360	ng	#	1
71) Phenanthrene	17.56	178	2349	0.145	ng		94
72) Anthracene	17.65	178	463	0.029	ng	#	60
73) Carbazole	17.93	167	1460	0.102	ng	#	82
74) Di-n-butylphthalate	18.44	149	2673	0.159	ng	#	92
75) Fluoranthene	19.92	202	566	0.029	ng		63
77) Benzidine	20.11	184	21001	2.257	ng	#	92
78) Pyrene	19.92	202	566	0.030	ng	#	55
81) Benzo(a)anthracene	21.80	228	770	0.042	ng	#	65
82) 3,3'-Dichlorobenzidine	21.22	252	68	0.010	ng	#	26
83) Chrysene	21.80	228	770	0.043	ng	#	62
84) Bis(2-ethylhexyl)phthalate	21.64	149	279	0.027	ng	#	52
85) Di-n-octyl phthalate	22.90	149	68	0.004	ng	#	71
90) Benzo(a)pyrene	25.11	252	57	0.004	ng	#	59

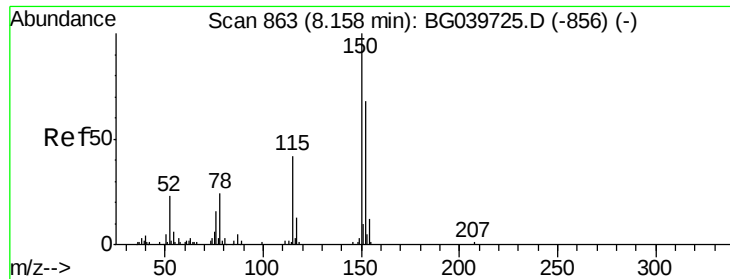
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032119\
 Data File : BG040073.D
 Acq On : 21 Mar 2019 19:50
 Operator : JU/SJ
 Sample : K1694-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

Quant Time: Mar 22 01:35:00 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

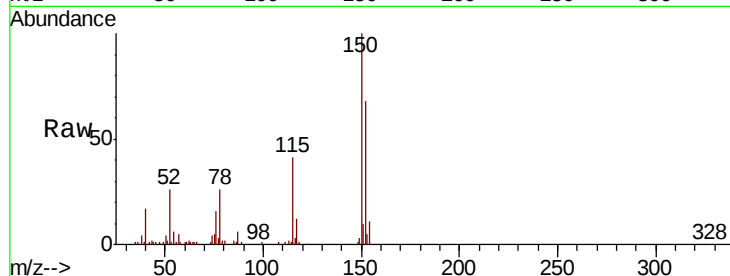
Tgt Ion:152 Resp: 38471

Ion Ratio Lower Upper

152 100

150 147.8 123.7 185.5

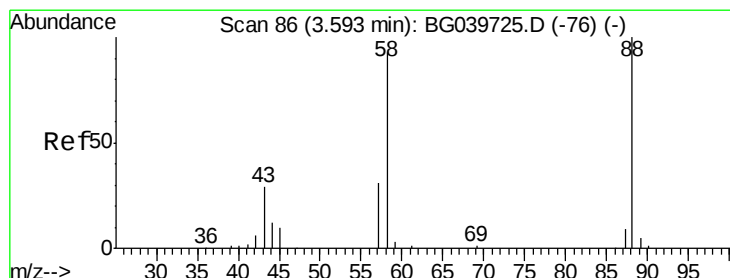
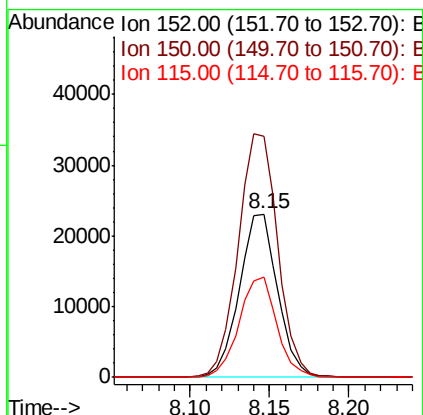
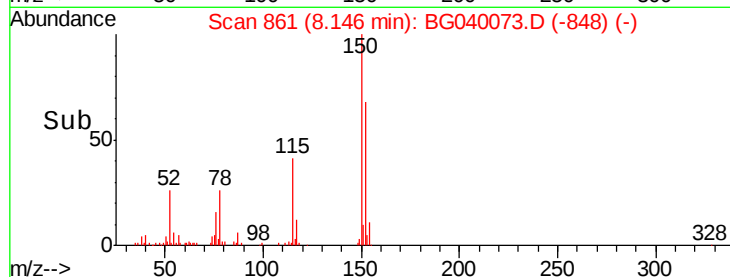
115 61.2 45.9 68.9



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: 3.728 ng

RT: 3.28 min Scan# 33

Delta R.T. -0.32 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

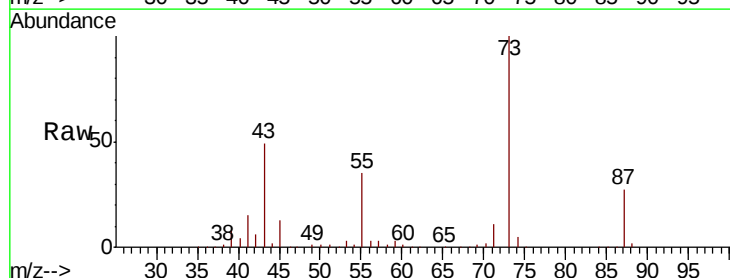
Tgt Ion: 88 Resp: 3881

Ion Ratio Lower Upper

88 100

58 39.0 81.1 121.7#

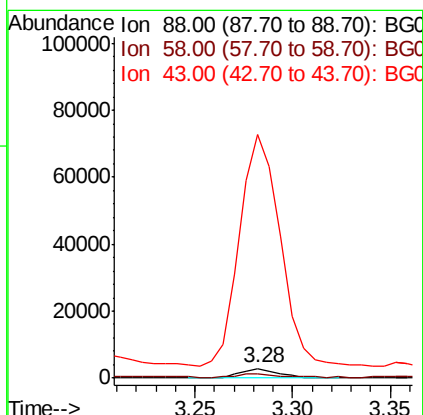
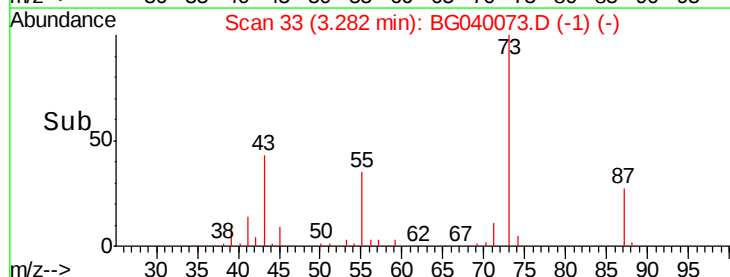
43 2556.1 31.4 47.0#



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





#3

Pyridine

Concen: 0.019 ng

RT: 4.37 min Scan# 218

Delta R.T. 0.36 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

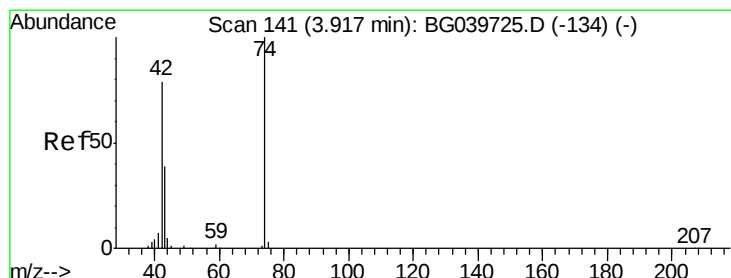
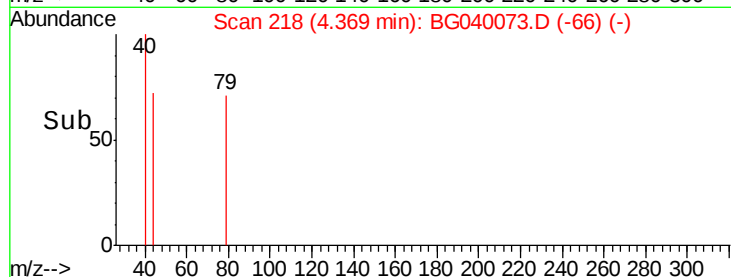
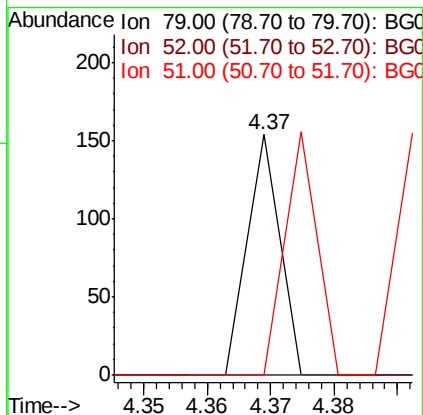
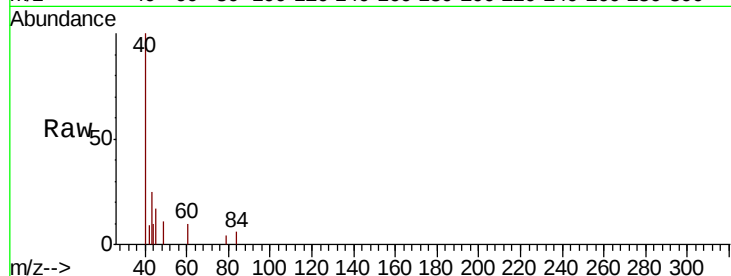
Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

Tgt Ion:	79	Resp:	54
Ion	Ratio	Lower	Upper
79	100		
52	0.0	82.6	124.0#
51	0.0	37.5	56.3#



#4

n-Nitrosodimethylamine

Concen: 0.572 ng

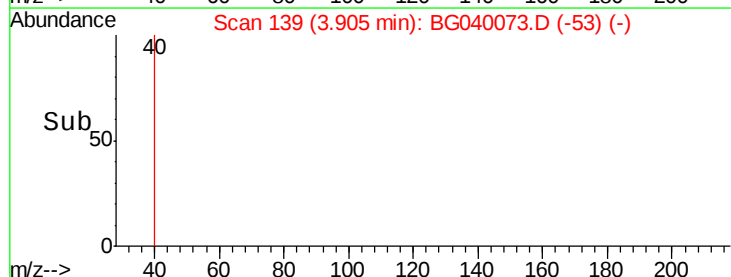
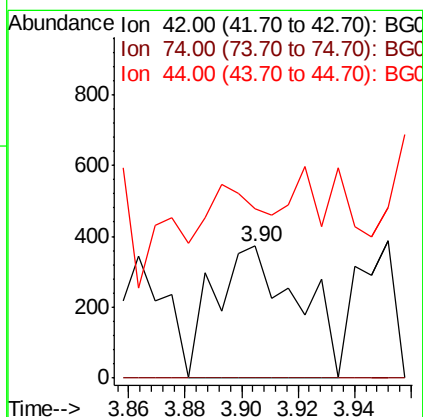
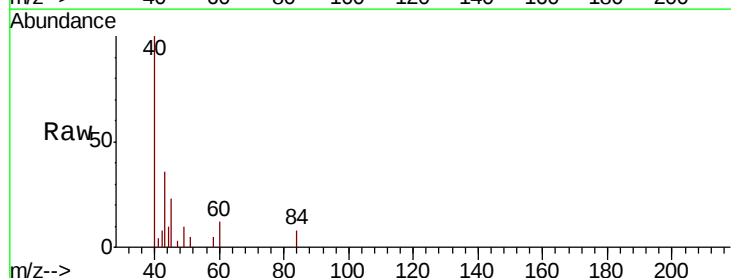
RT: 3.90 min Scan# 139

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Tgt Ion:	42	Resp:	756
Ion	Ratio	Lower	Upper
42	100		
74	0.0	83.6	125.4#
44	128.5	6.9	10.3#





#5

2-Fluorophenol

Concen: 133.984 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

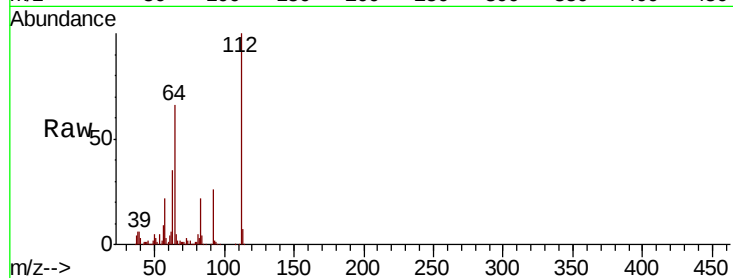
Tgt Ion:112 Resp: 302137

Ion Ratio Lower Upper

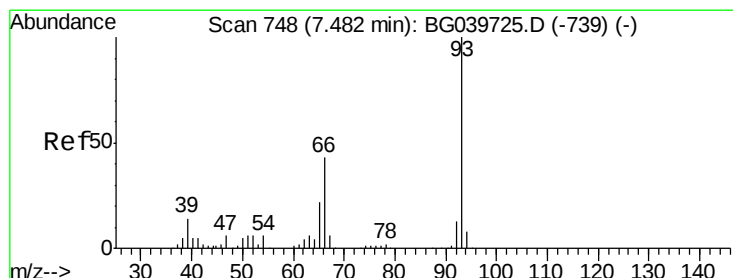
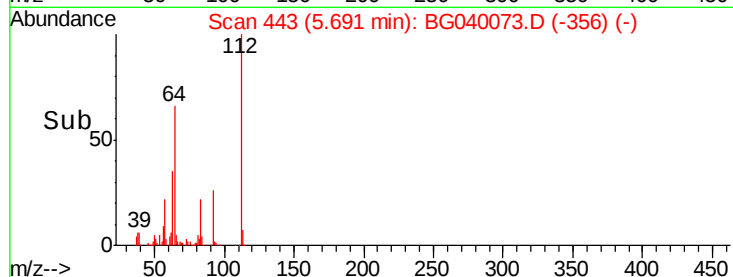
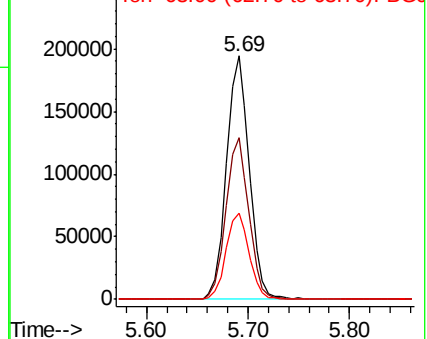
112 100

64 66.2 57.8 86.8

63 35.4 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



#6

Aniline

Concen: 0.102 ng

RT: 7.67 min Scan# 780

Delta R.T. 0.18 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

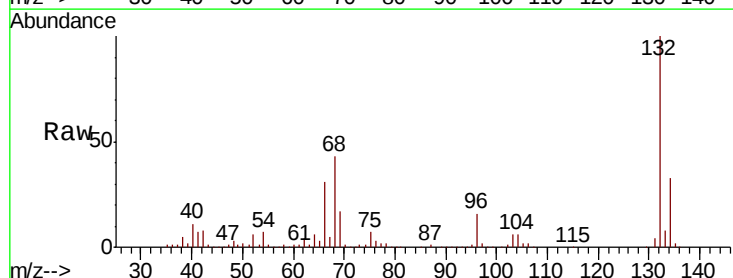
Tgt Ion: 93 Resp: 448

Ion Ratio Lower Upper

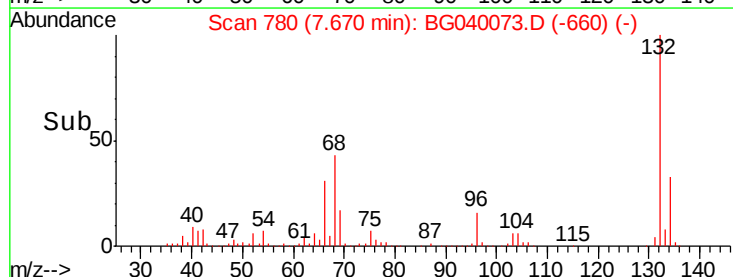
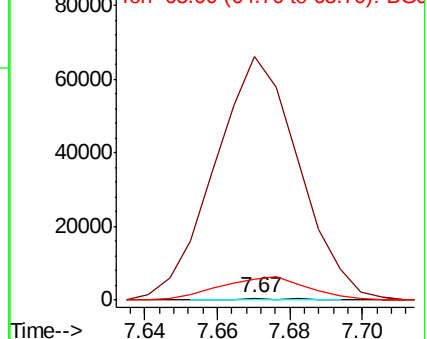
93 100

66 14099.8 34.2 51.4#

65 1221.5 17.7 26.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 115.852 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

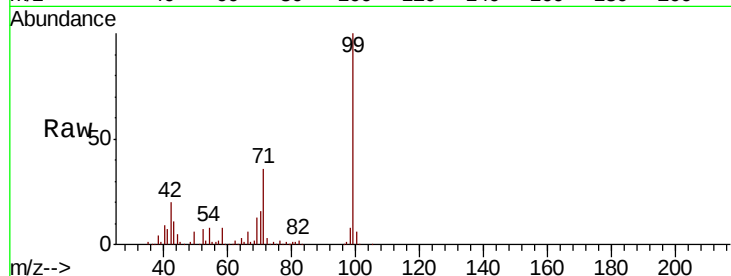
Tgt Ion: 99 Resp: 389540

Ion Ratio Lower Upper

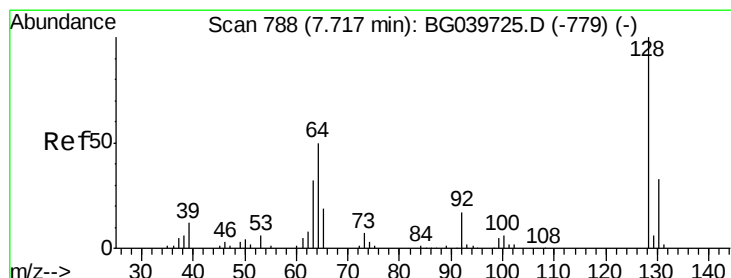
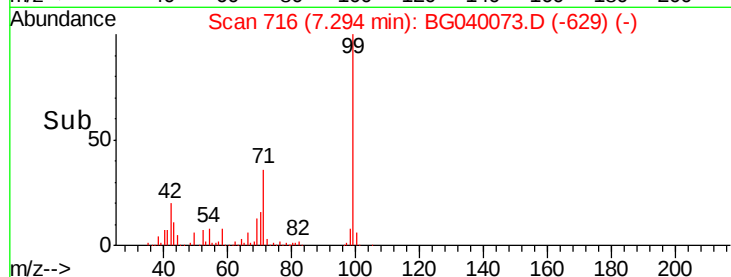
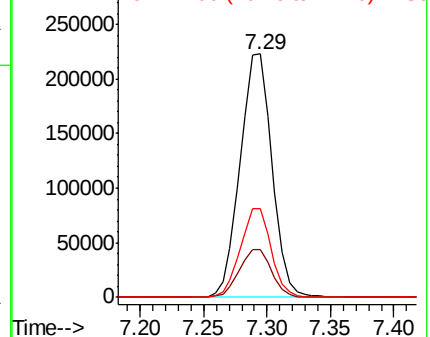
99 100

42 19.7 18.2 27.2

71 36.4 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



#8

2-Chlorophenol

Concen: 0.020 ng

RT: 7.71 min Scan# 787

Delta R.T. -0.01 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

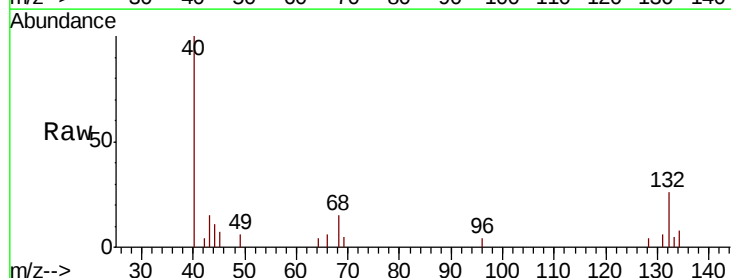
Tgt Ion: 128 Resp: 55

Ion Ratio Lower Upper

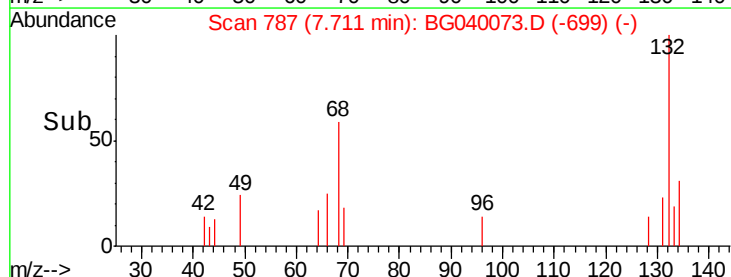
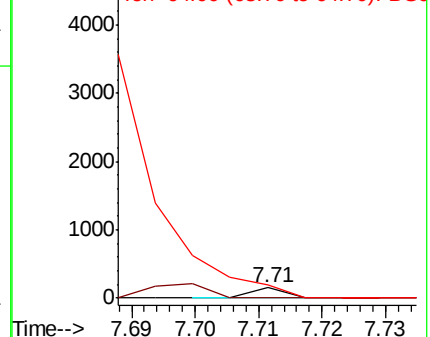
128 100

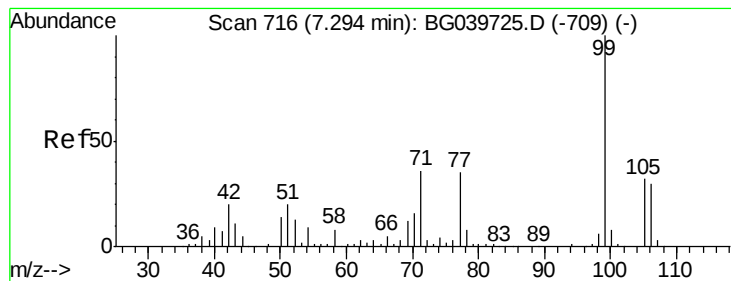
130 0.0 12.9 52.9#

64 119.4 38.7 78.7#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 0.336 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.01 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

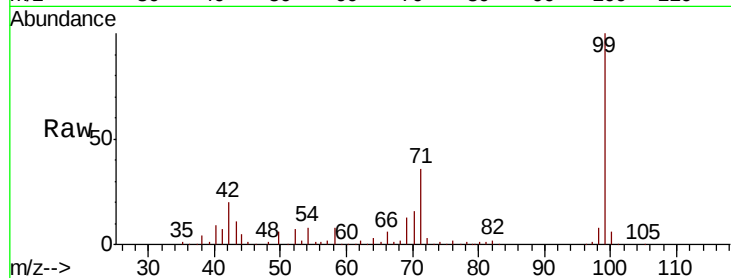
Tgt Ion: 77 Resp: 729

Ion Ratio Lower Upper

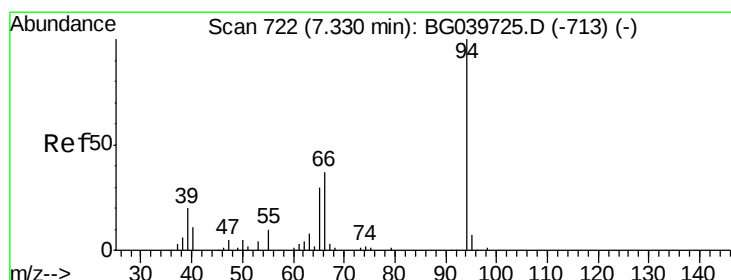
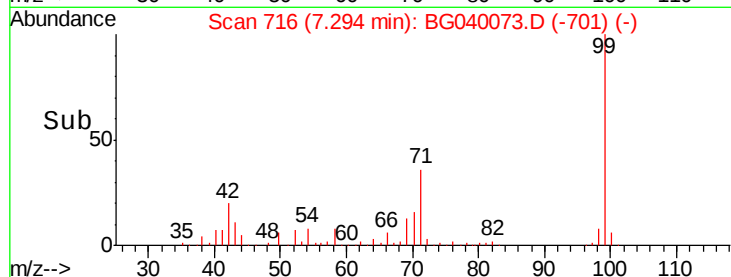
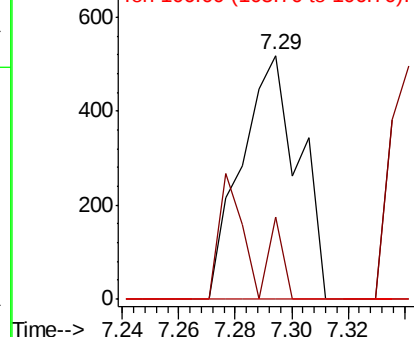
77 100

105 33.8 74.5 114.5#

106 0.0 68.0 108.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 0.242 ng

RT: 7.67 min Scan# 780

Delta R.T. 0.33 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

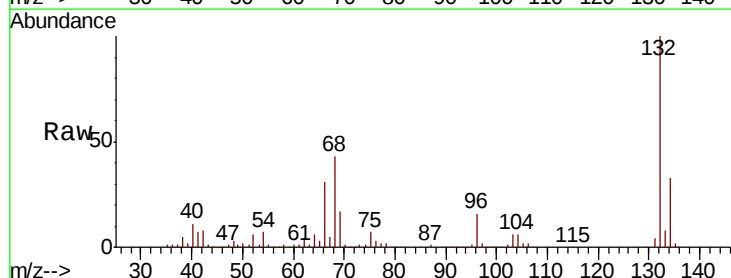
Tgt Ion: 94 Resp: 880

Ion Ratio Lower Upper

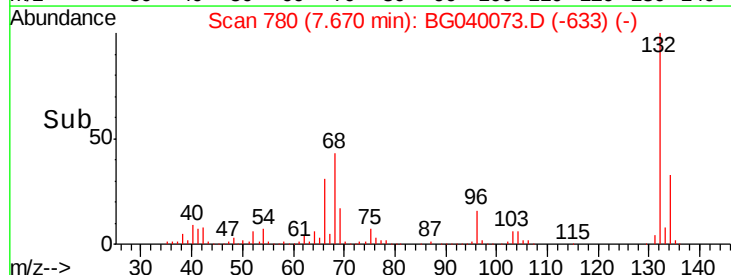
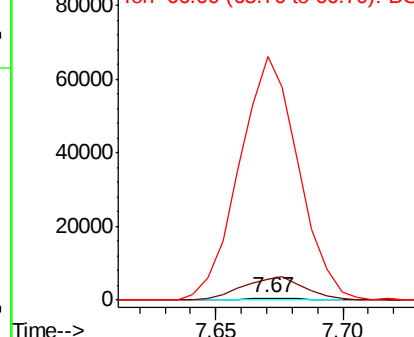
94 100

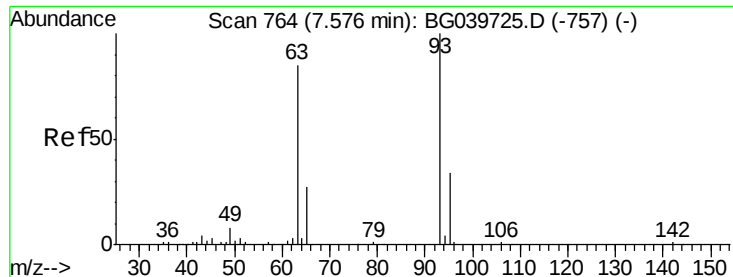
65 1072.8 11.7 51.7#

66 12383.5 23.7 63.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 0.158 ng

RT: 7.67 min Scan# 780

Delta R.T. 0.09 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

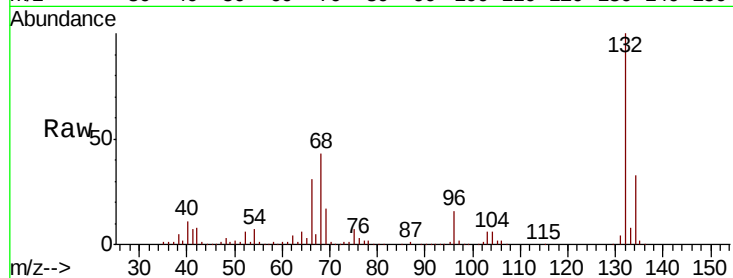
Tgt Ion: 93 Resp: 448

Ion Ratio Lower Upper

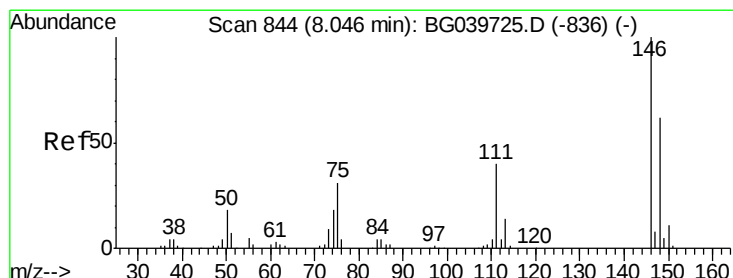
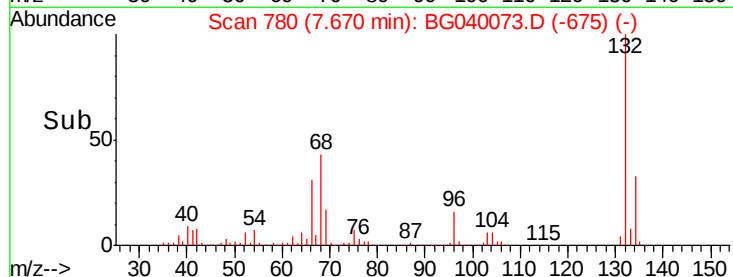
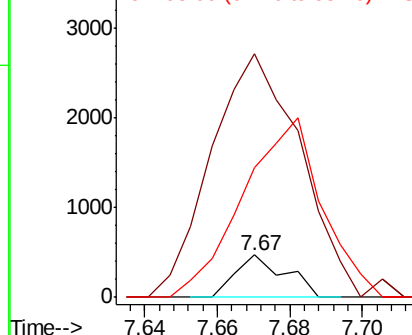
93 100

63 579.7 69.5 109.5#

95 309.2 12.7 52.7#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 0.019 ng

RT: 8.16 min Scan# 864

Delta R.T. 0.11 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

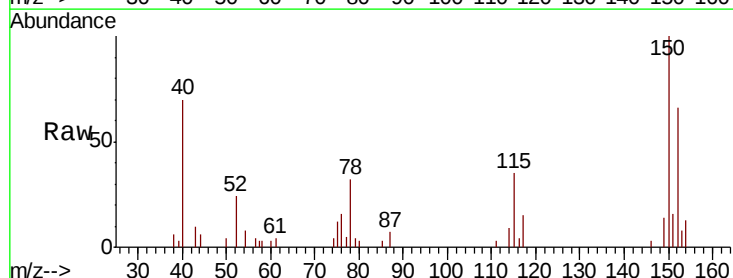
Tgt Ion: 146 Resp: 58

Ion Ratio Lower Upper

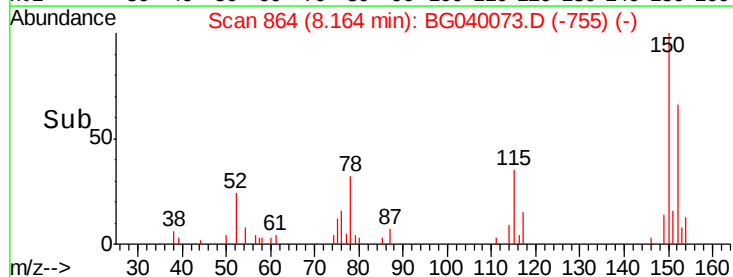
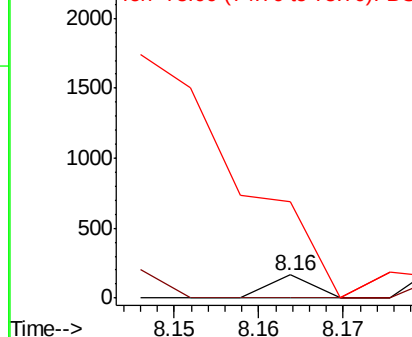
146 100

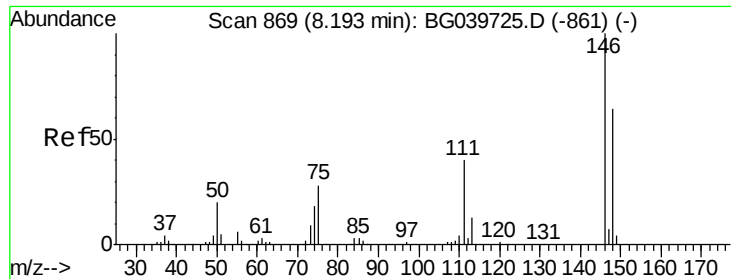
148 0.0 52.6 79.0#

75 420.6 25.8 38.6#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC

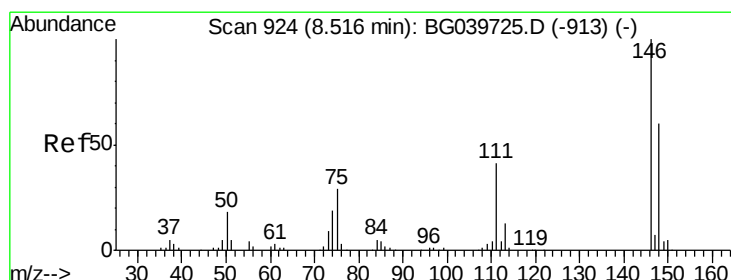
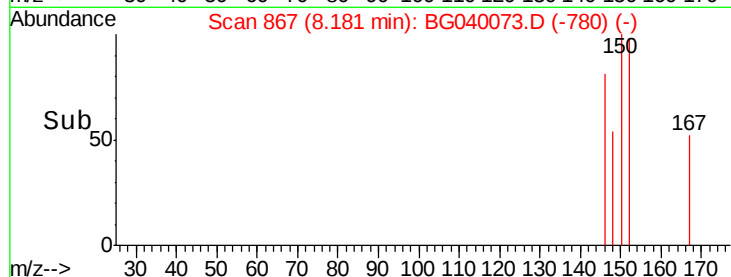
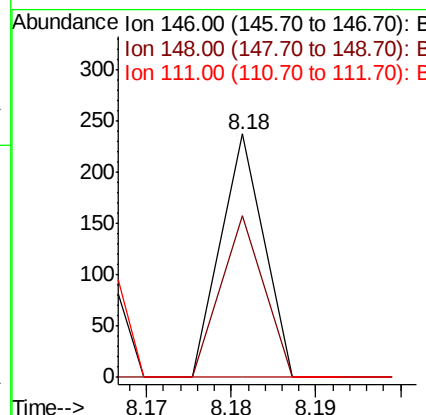
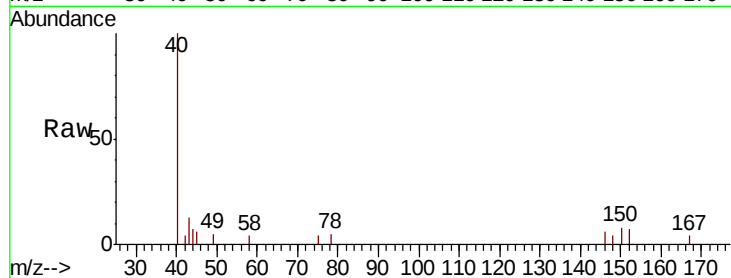




#13
 1,4-Dichlorobenzene
 Concen: 0.027 ng
 RT: 8.18 min Scan# 867
 Delta R.T. -0.02 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

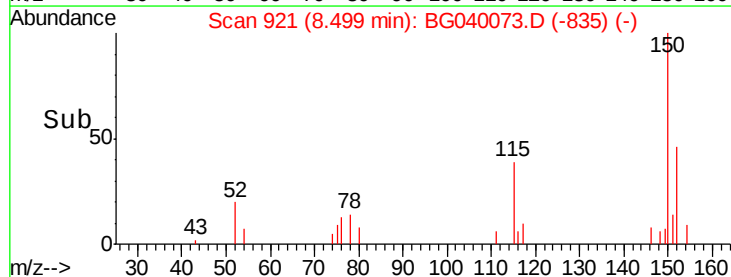
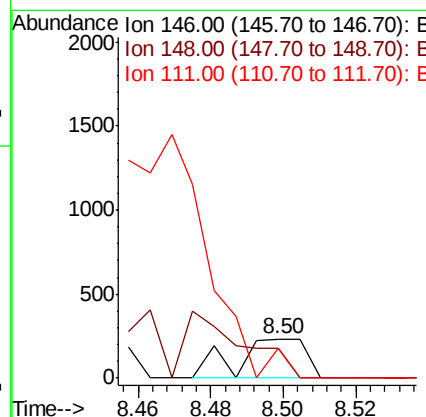
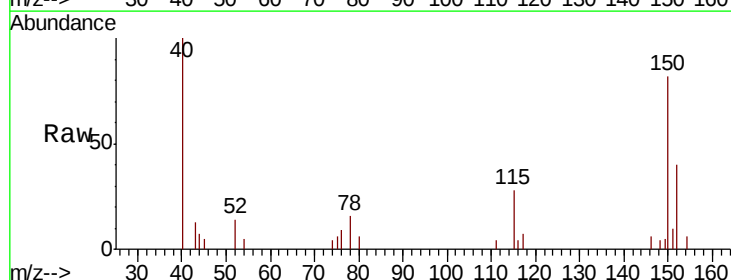
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

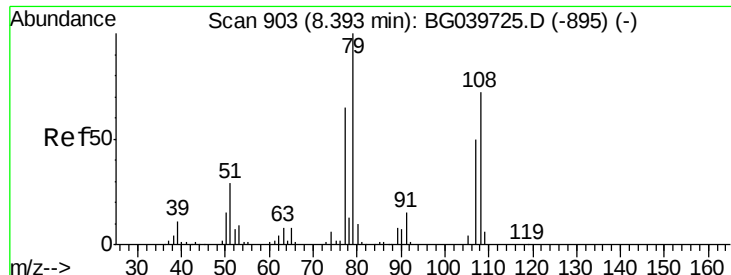
Tgt Ion:146 Resp: 84
 Ion Ratio Lower Upper
 146 100
 148 66.4 51.1 76.7
 111 0.0 32.6 48.8#



#14
 1,2-Dichlorobenzene
 Concen: 0.102 ng
 RT: 8.50 min Scan# 921
 Delta R.T. -0.02 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

Tgt Ion:146 Resp: 310
 Ion Ratio Lower Upper
 146 100
 148 77.0 51.5 77.3
 111 74.9 33.8 50.6#





#15

Benzyl Alcohol

Concen: 1.656 ng

RT: 8.47 min Scan# 916

Delta R.T. 0.06 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

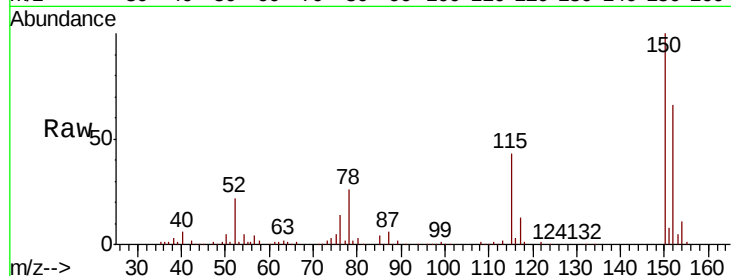
Tgt Ion: 79 Resp: 4418

Ion Ratio Lower Upper

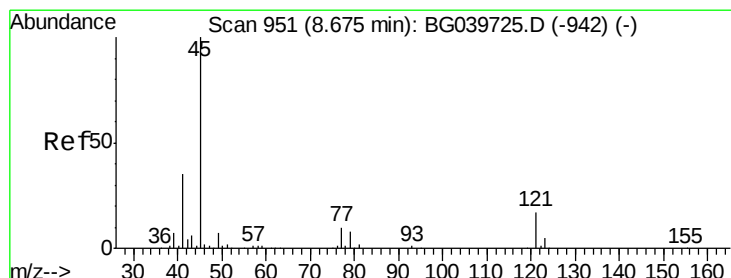
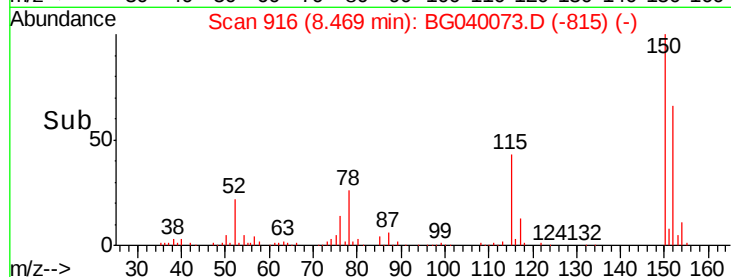
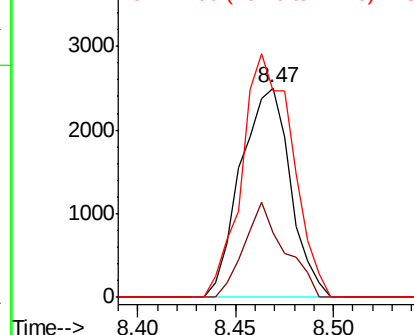
79 100

108 31.0 57.8 86.6#

77 98.4 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.058 ng

RT: 8.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

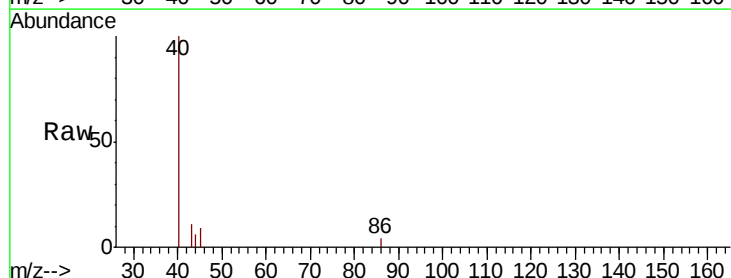
Tgt Ion: 45 Resp: 330

Ion Ratio Lower Upper

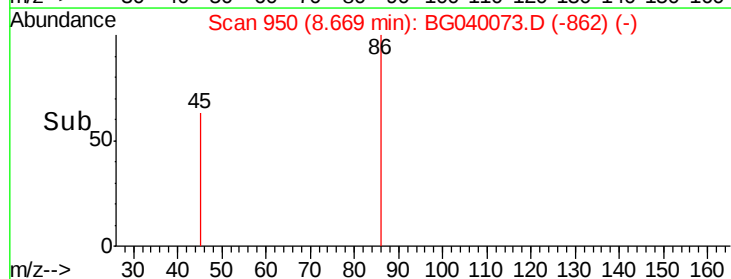
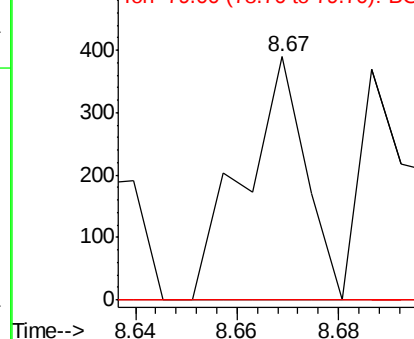
45 100

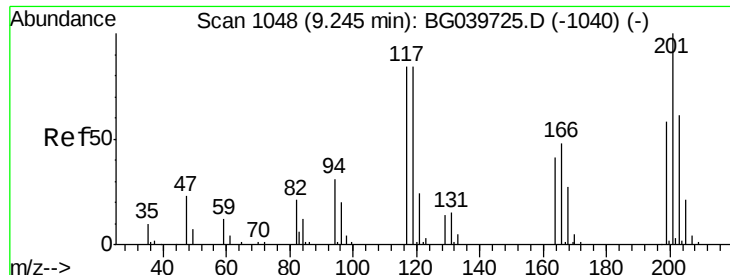
77 0.0 0.0 30.0

79 0.0 0.0 27.5



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

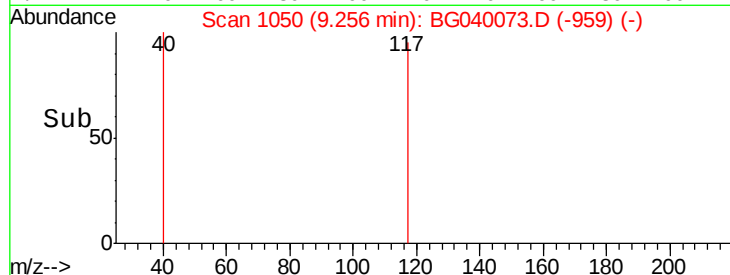
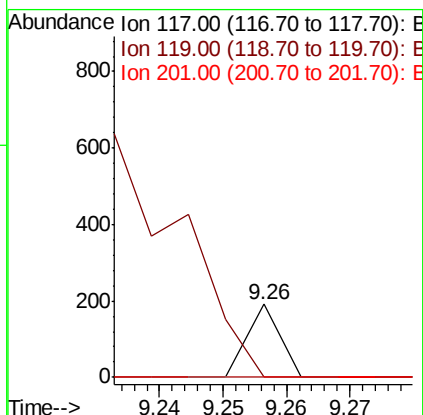
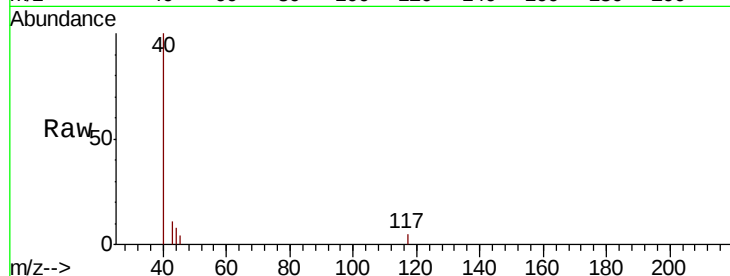




#18
Hexachloroethane
Concen: 0.059 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

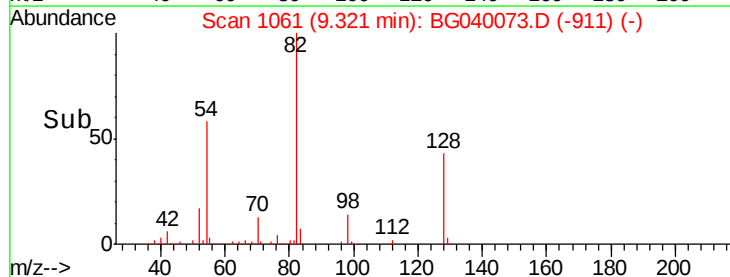
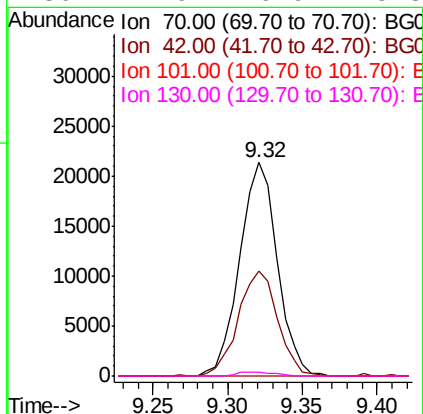
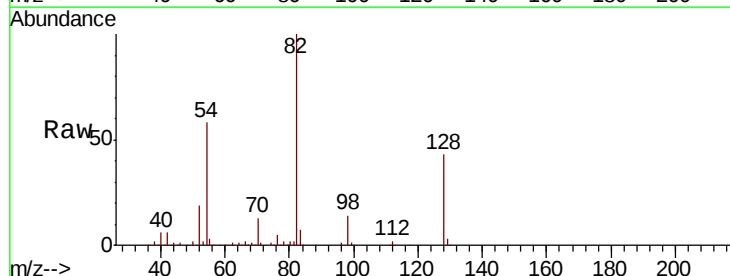
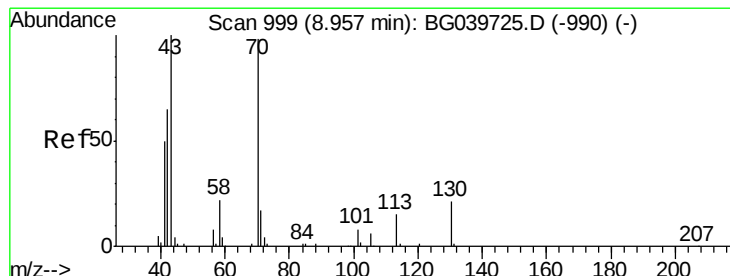
Instrument :
BNA_G
ClientSampleId :
EO-02-032019-B

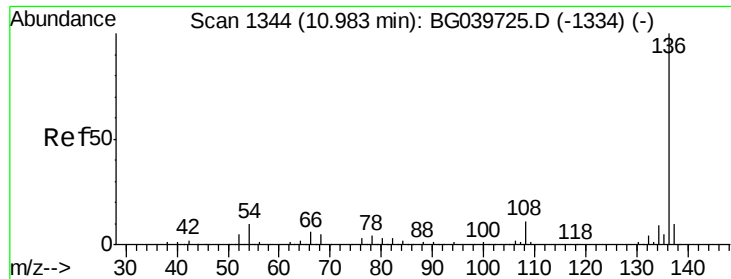
Tgt Ion: 117 Resp: 67
Ion Ratio Lower Upper
117 100
119 0.0 76.3 114.5#
201 0.0 91.1 136.7#



#19
n-Nitroso-di-n-propylamine
Concen: 15.392 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

Tgt Ion: 70 Resp: 37252
Ion Ratio Lower Upper
70 100
42 49.1 60.4 90.6#
101 0.0 7.5 11.3#
130 1.9 16.9 25.3#

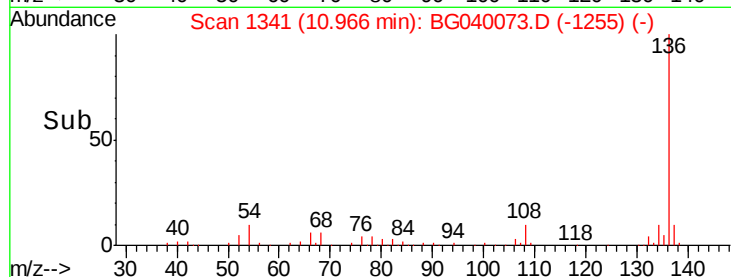
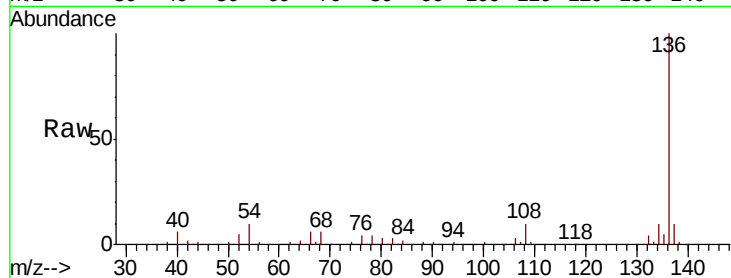




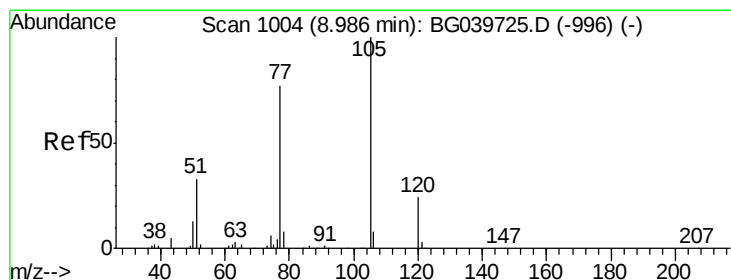
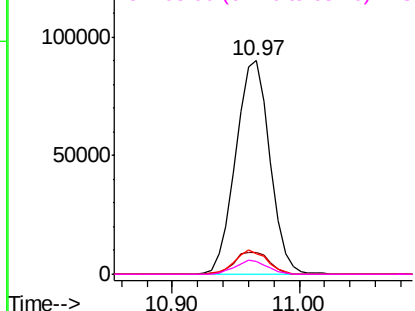
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

Instrument :
BNA_G
ClientSampleId :
EO-02-032019-B

Tgt Ion:	136	Resp:	168229
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	9.9	9.4	14.2
68	5.9	4.2	6.4

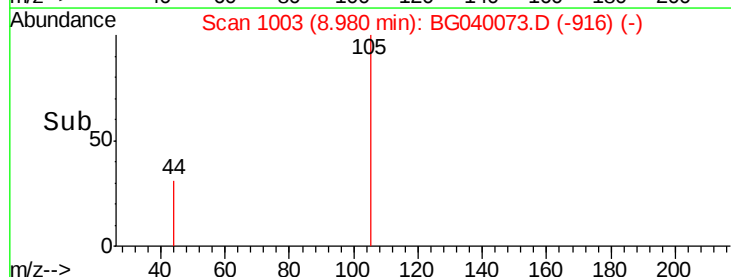
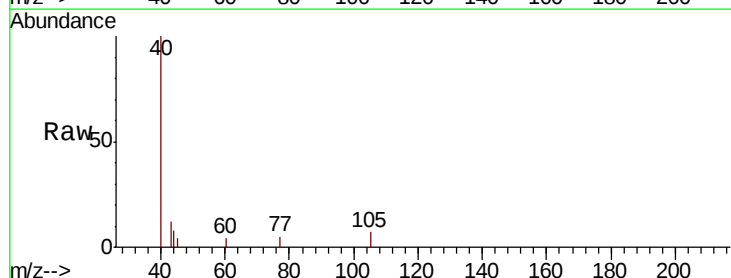


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

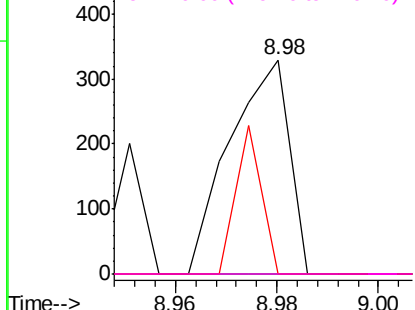


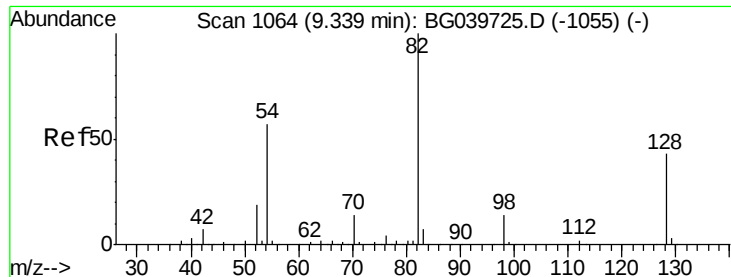
#22
Acetophenone
Concen: 0.060 ng
RT: 8.98 min Scan# 1003
Delta R.T. -0.02 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

Tgt Ion:	105	Resp:	270
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.8	1.2#
51	0.0	30.2	45.2#
120	0.0	18.0	27.0#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E

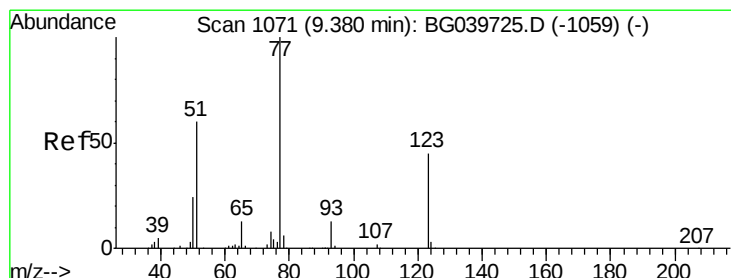
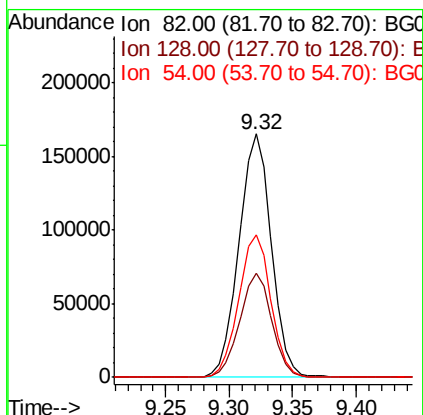
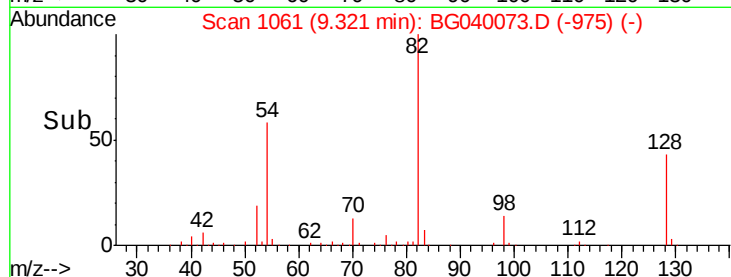
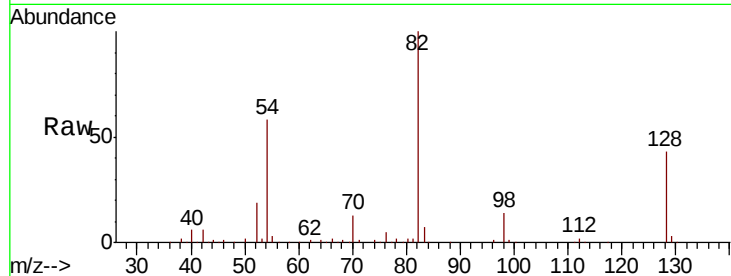




#23
 Nitrobenzene-d5
 Concen: 93.979 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

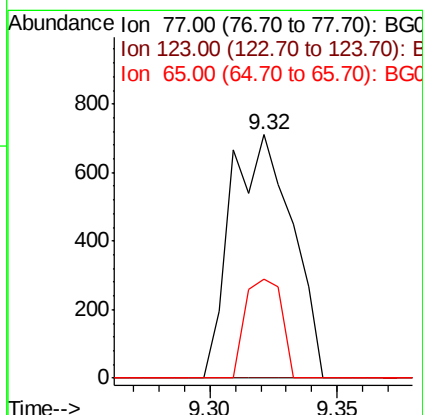
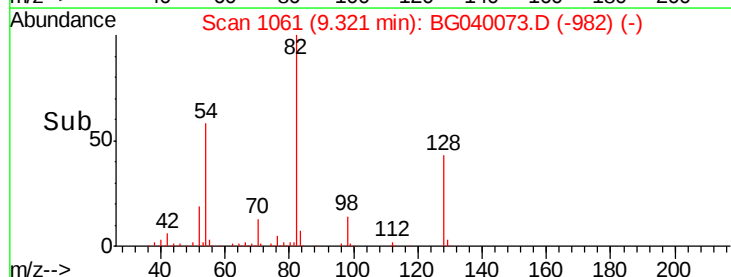
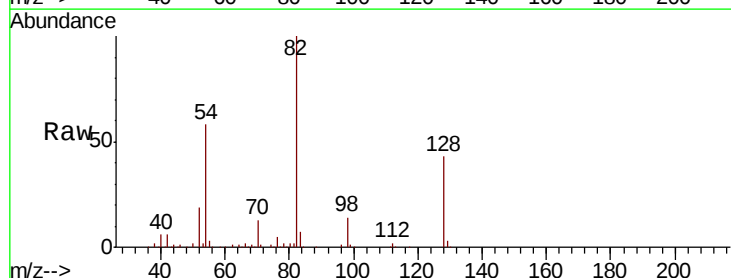
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

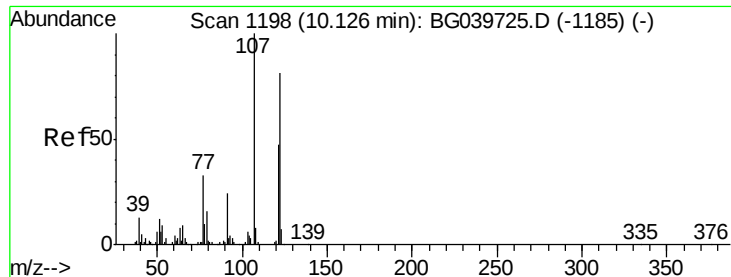
Tgt Ion: 82 Resp: 292322
 Ion Ratio Lower Upper
 82 100
 128 42.9 31.3 46.9
 54 58.3 50.9 76.3



#24
 Nitrobenzene
 Concen: 0.367 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.07 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

Tgt Ion: 77 Resp: 1197
 Ion Ratio Lower Upper
 77 100
 123 0.0 34.1 51.1#
 65 40.6 12.3 18.5#

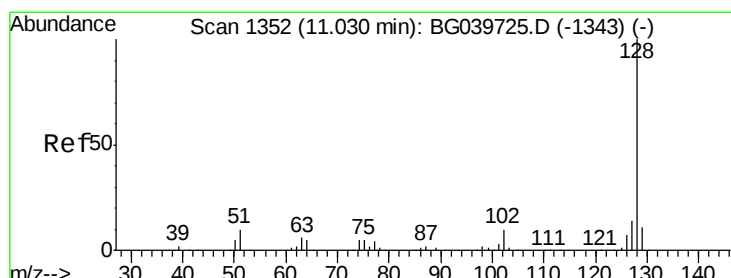
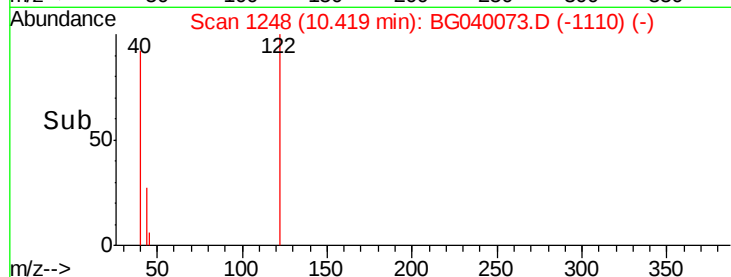
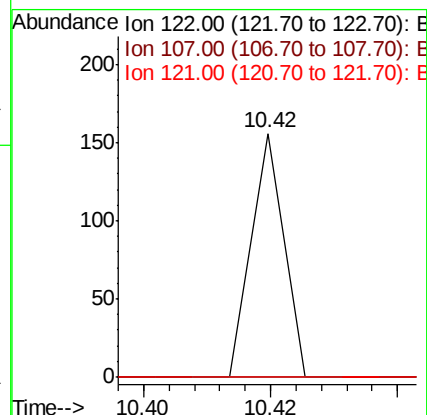
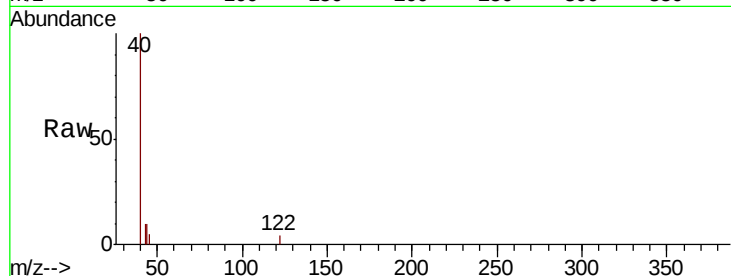




#27
2,4-Dimethylphenol
Concen: 0.022 ng
RT: 10.42 min Scan# 1248
Delta R.T. 0.28 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

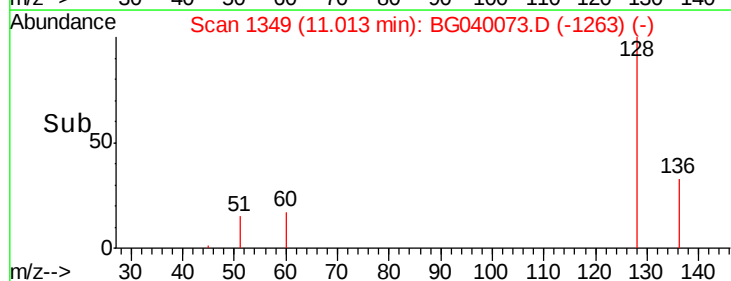
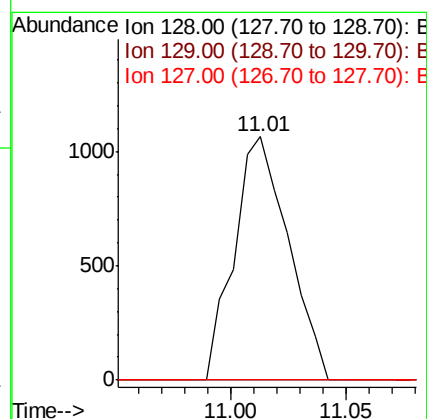
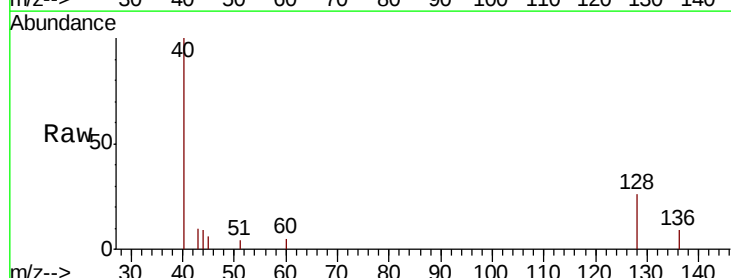
Instrument :
BNA_G
ClientSampleId :
EO-02-032019-B

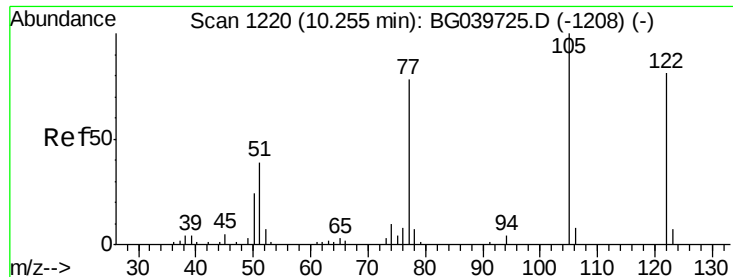
Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	91.7	137.5#
121	0.0	46.4	69.6#



#31
Naphthalene
Concen: 0.195 ng
RT: 11.01 min Scan# 1349
Delta R.T. -0.02 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.7	13.1#
127	0.0	10.8	16.2#





#32

Benzoic acid

Concen: 6.627 ng

RT: 10.42 min Scan# 1248

Delta R.T. 0.16 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

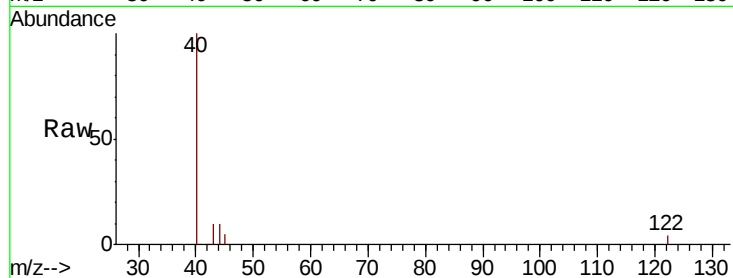
Tgt Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

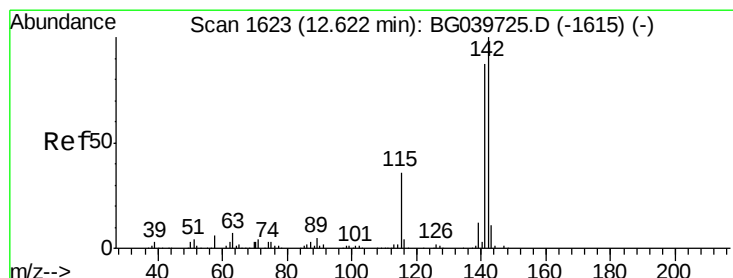
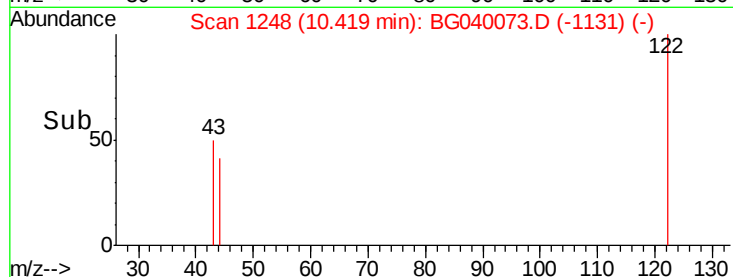
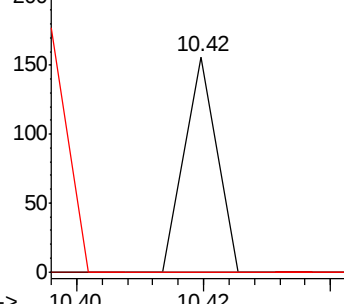
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#37

2-Methylnaphthalene

Concen: 0.105 ng

RT: 12.61 min Scan# 1621

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

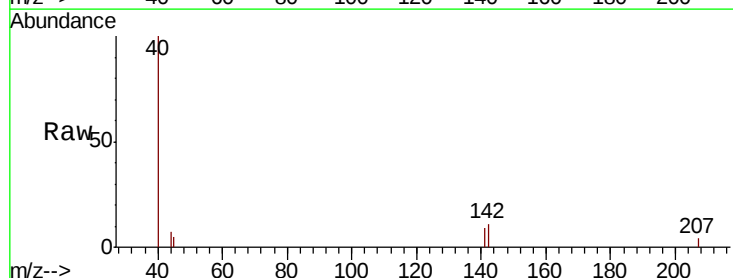
Tgt Ion:142 Resp: 698

Ion Ratio Lower Upper

142 100

141 80.6 73.5 110.3

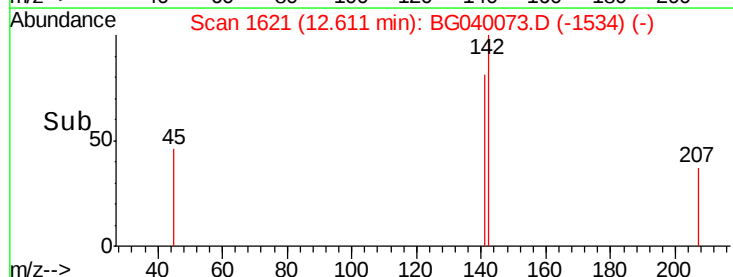
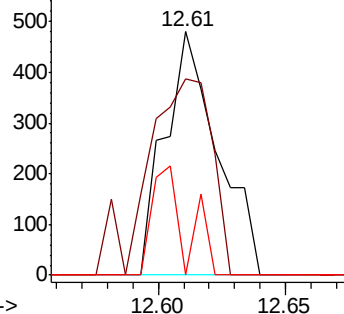
115 0.0 30.8 46.2#

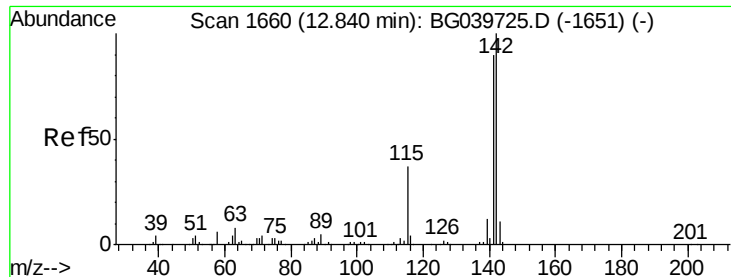


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 0.128 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

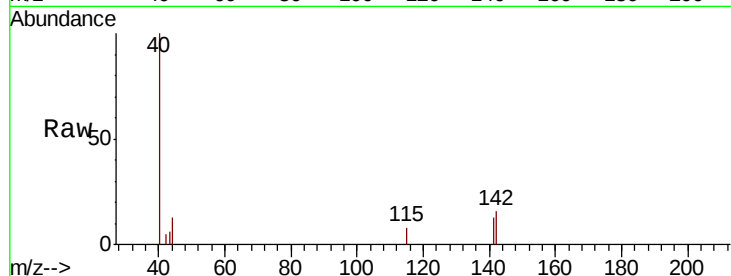
Tgt Ion:142 Resp: 827

Ion Ratio Lower Upper

142 100

141 80.5 74.2 111.4

116 0.0 3.0 4.6#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.82

600

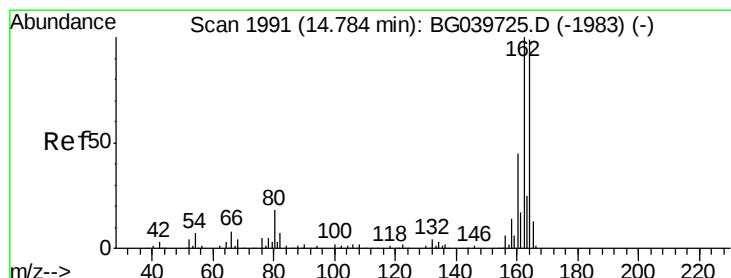
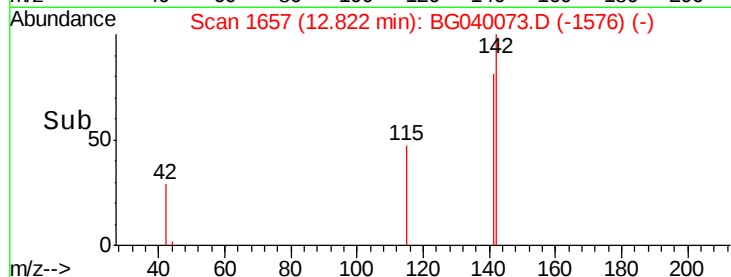
400

200

0

12.80 12.85

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

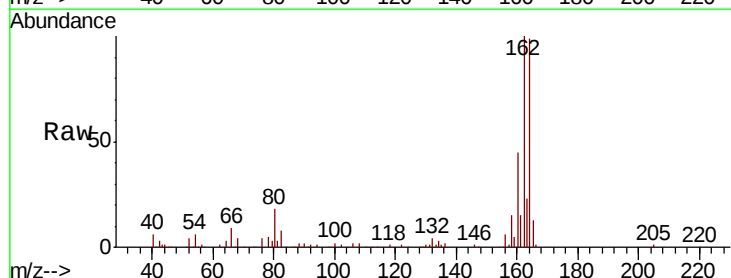
Tgt Ion:164 Resp: 117691

Ion Ratio Lower Upper

164 100

162 101.5 81.6 122.4

160 45.8 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

14.77

100000

80000

60000

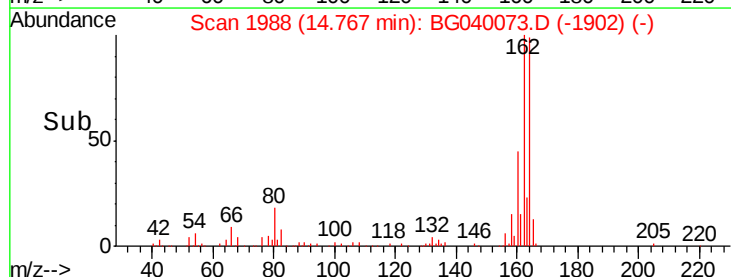
40000

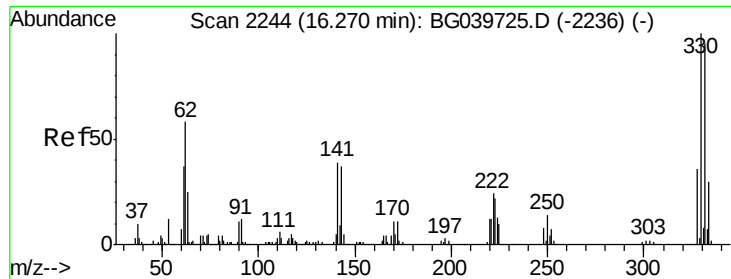
20000

0

14.70 14.80

Time-->

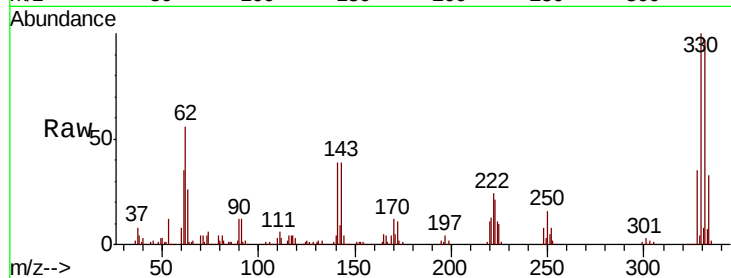




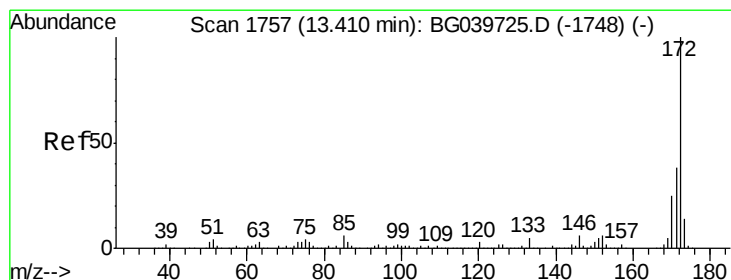
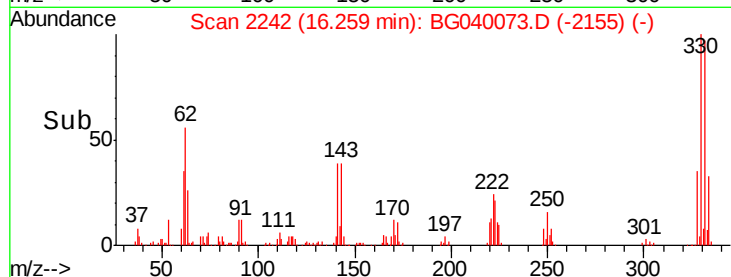
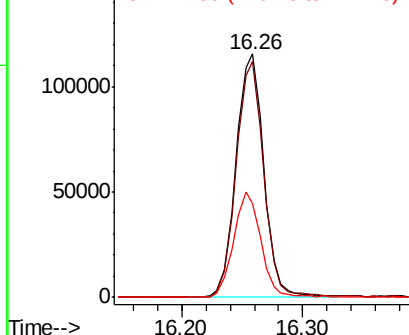
#42
 2,4,6-Tribromophenol
 Concen: 135.635 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

Tgt Ion:330 Resp: 186061
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.7 113.5
 141 41.9 35.6 53.4

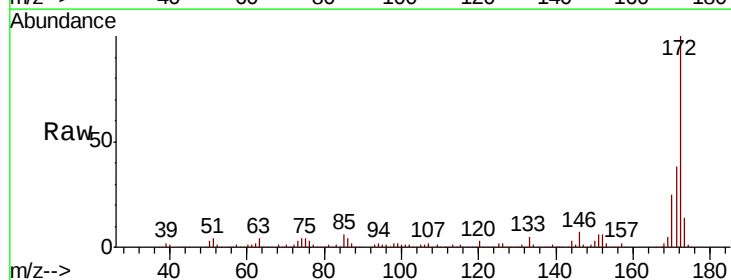


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

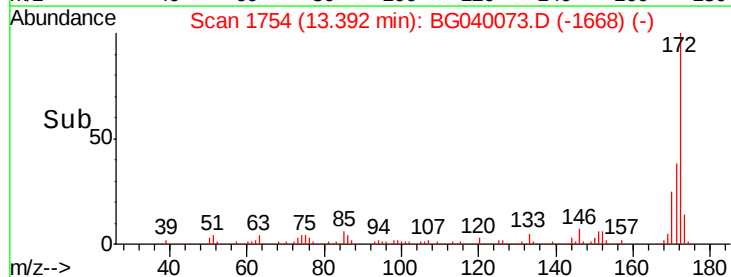
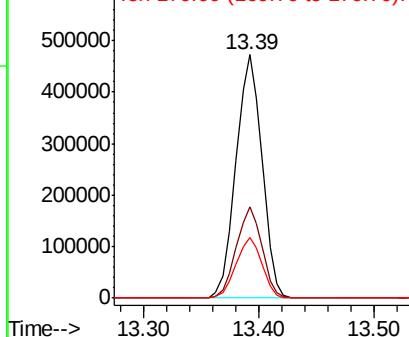


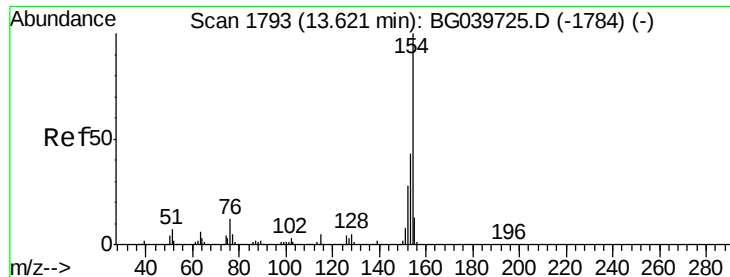
#45
 2-Fluorobiphenyl
 Concen: 89.081 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

Tgt Ion:172 Resp: 736329
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.8 46.2
 170 25.1 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

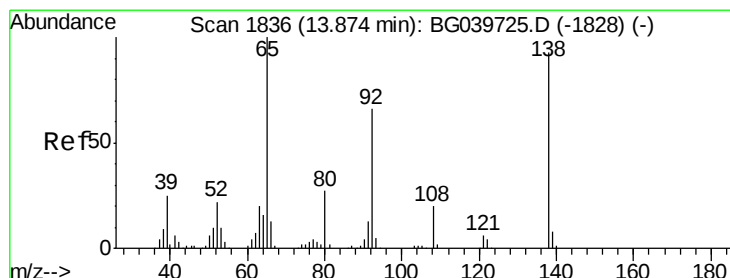
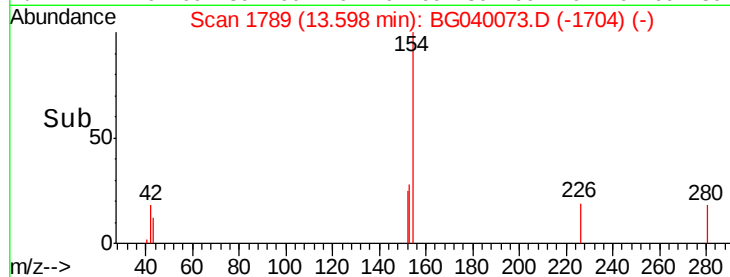
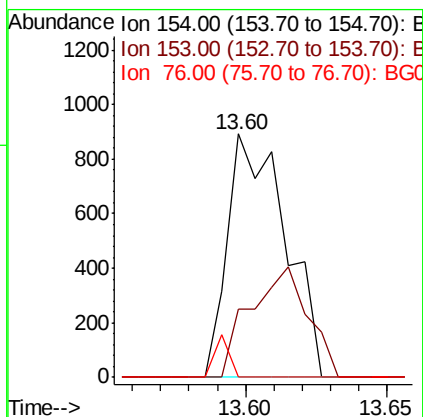
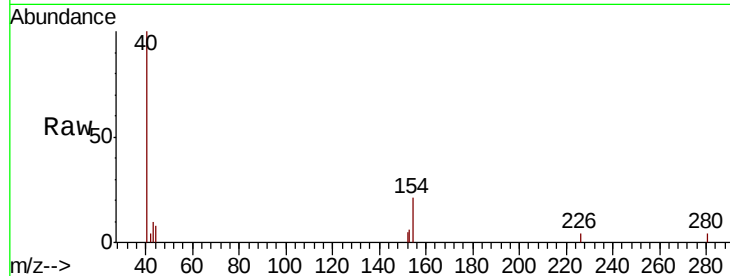




#46
1,1'-Biphenyl
Concen: 0.131 ng
RT: 13.60 min Scan# 1789
Delta R.T. -0.03 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

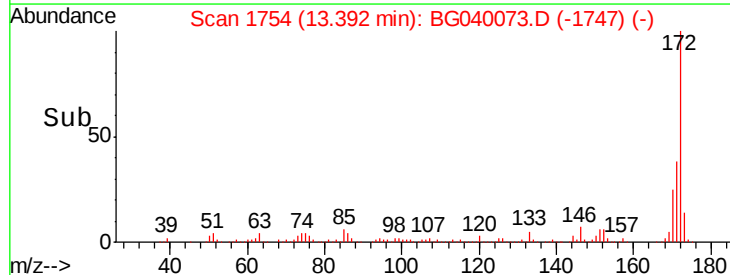
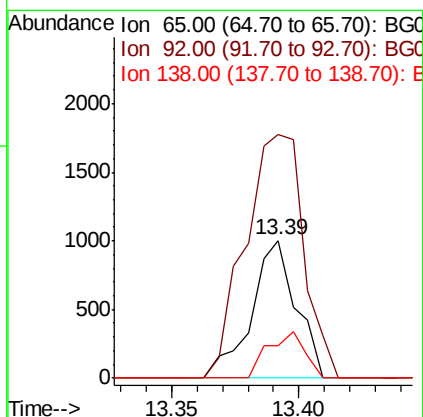
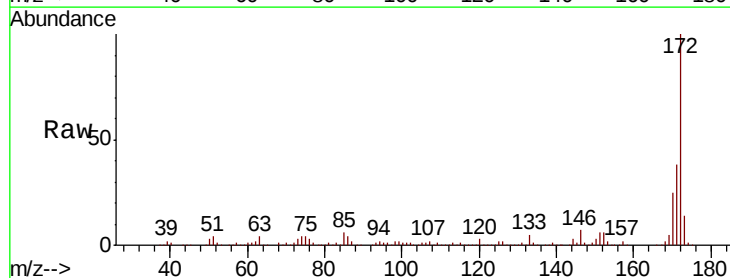
Instrument :
BNA_G
ClientSampleId :
EO-02-032019-B

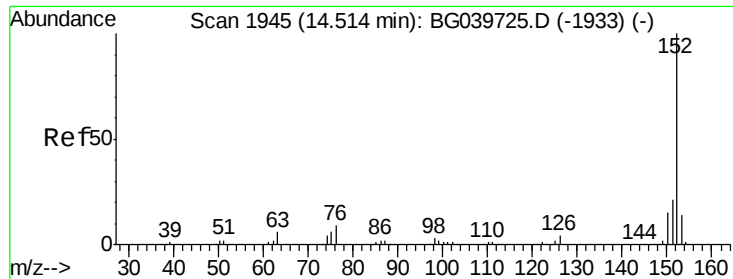
Tgt Ion: 154 Resp: 1268
Ion Ratio Lower Upper
154 100
153 27.9 22.1 62.1
76 0.0 0.0 32.4



#48
2-Nitroaniline
Concen: 0.527 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.49 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

Tgt Ion: 65 Resp: 1233
Ion Ratio Lower Upper
65 100
92 176.9 51.4 77.2#
138 23.2 71.4 107.2#





#49

Acenaphthylene

Concen: 0.007 ng

RT: 14.49 min Scan# 1941

Delta R.T. -0.03 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

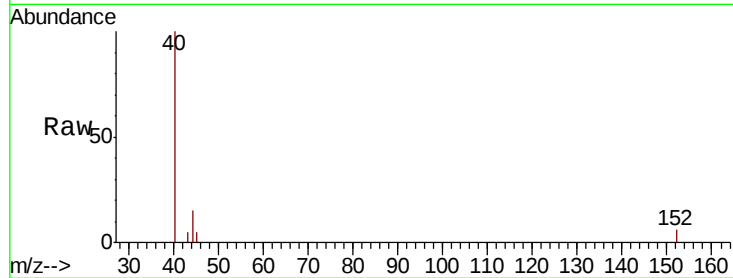
Tgt Ion:152 Resp: 88

Ion Ratio Lower Upper

152 100

151 0.0 16.8 25.2#

153 0.0 11.7 17.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.49

300

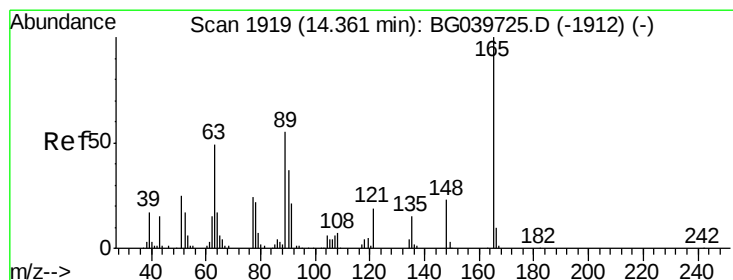
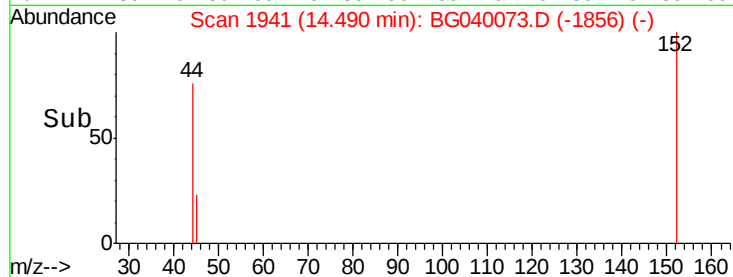
200

100

0

14.48 14.50

Time-->



#51

2,6-Dinitrotoluene

Concen: 7.340 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.40 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

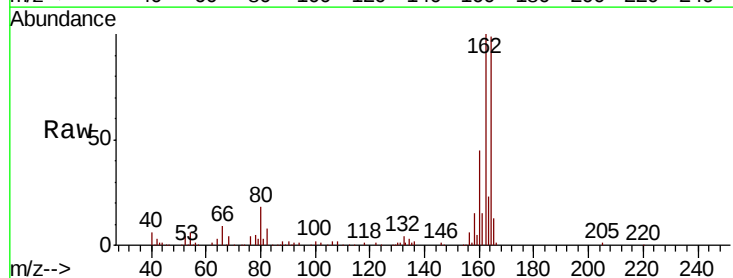
Tgt Ion:165 Resp: 15313

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

89 2.2 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

14.77

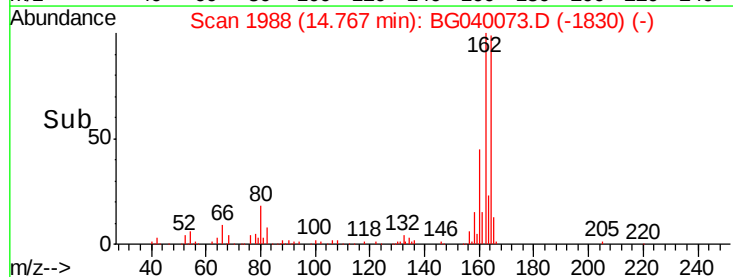
10000

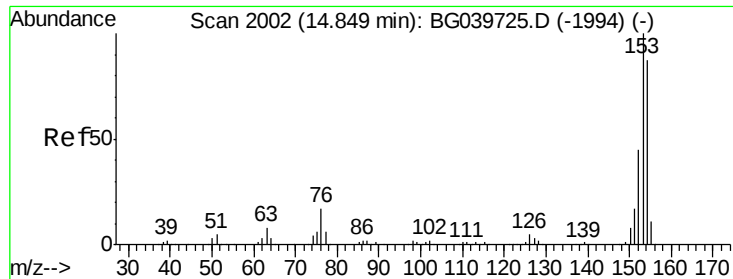
5000

0

14.70 14.75 14.80

Time-->





#52

Acenaphthene

Concen: 0.077 ng

RT: 14.83 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

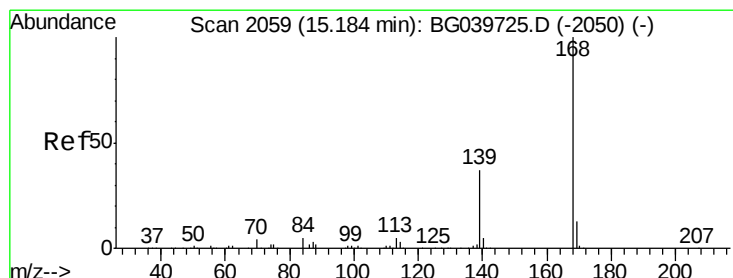
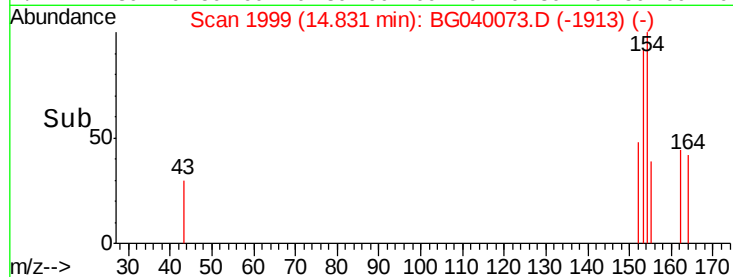
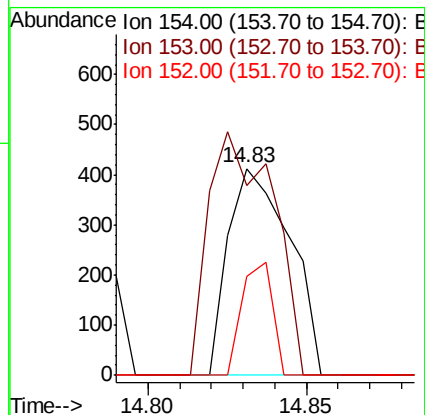
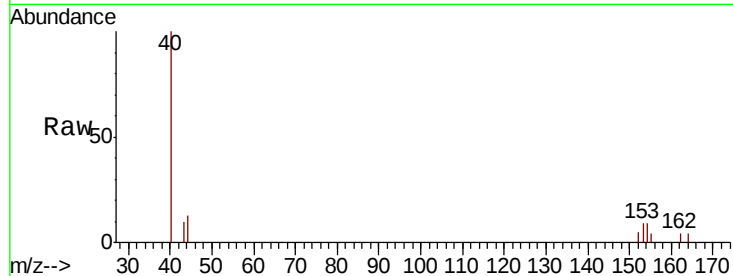
Tgt Ion:154 Resp: 557

Ion Ratio Lower Upper

154 100

153 91.8 90.1 135.1

152 47.9 40.9 61.3



#55

Dibenzofuran

Concen: 0.039 ng

RT: 15.17 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

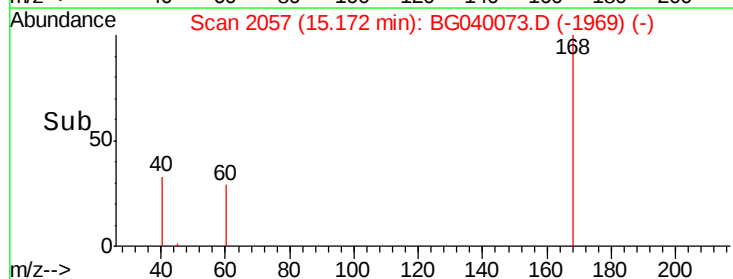
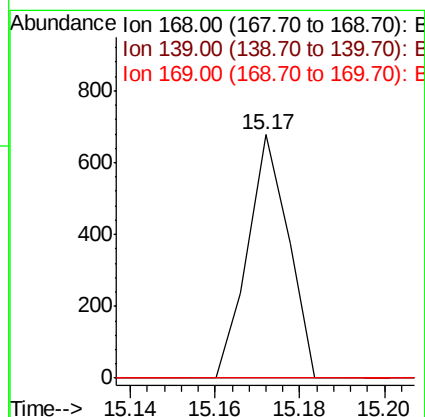
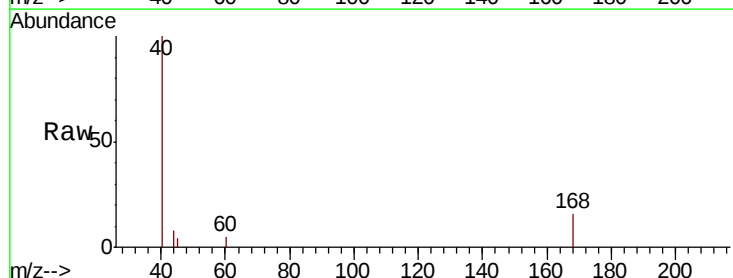
Tgt Ion:168 Resp: 455

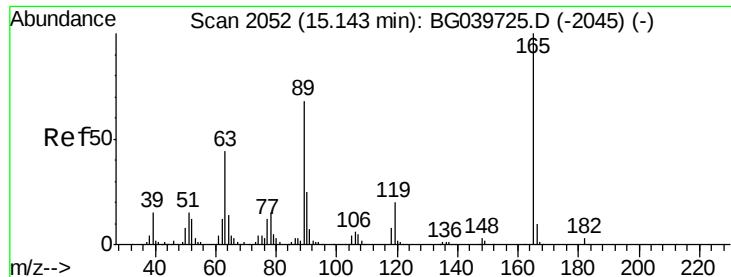
Ion Ratio Lower Upper

168 100

139 0.0 30.1 45.1#

169 0.0 10.6 16.0#

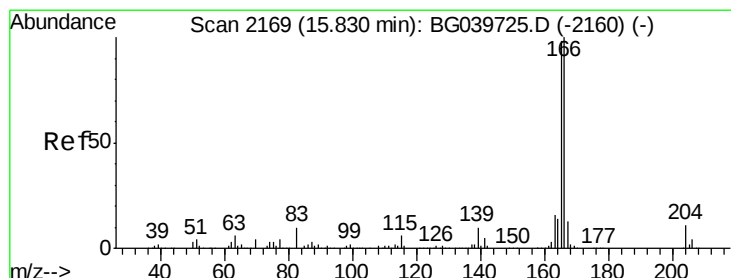
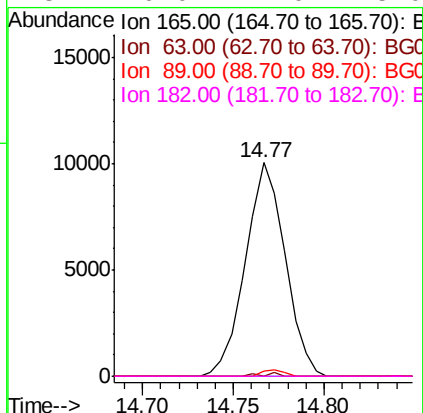
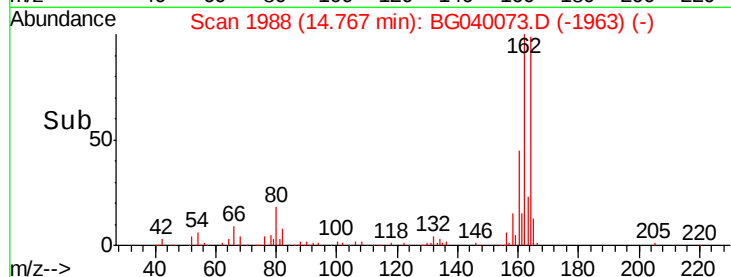
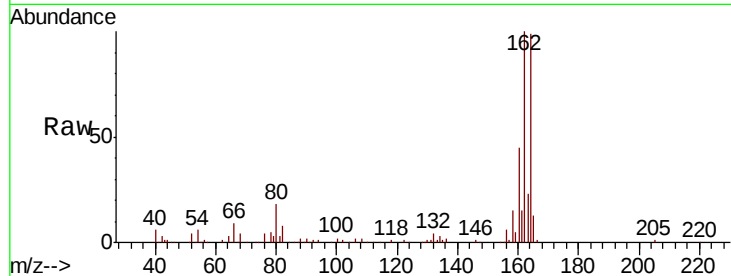




#57
 2,4-Dinitrotoluene
 Concen: 5.224 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

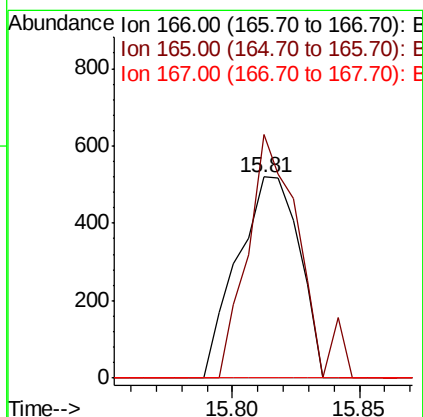
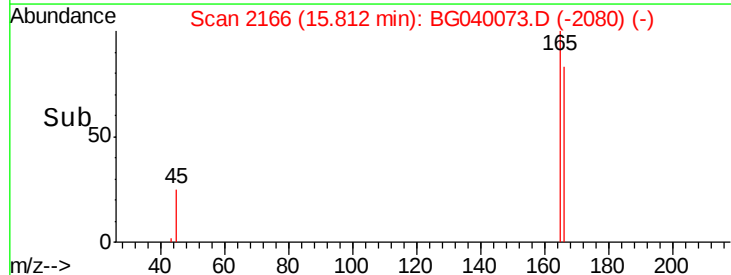
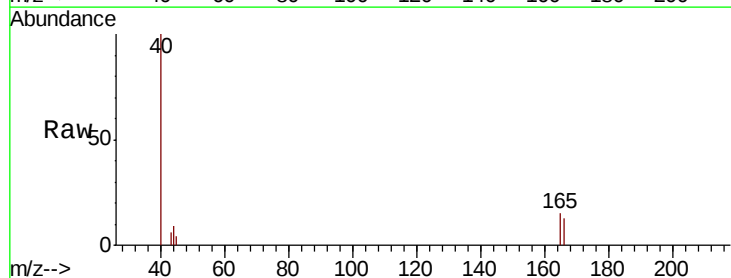
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

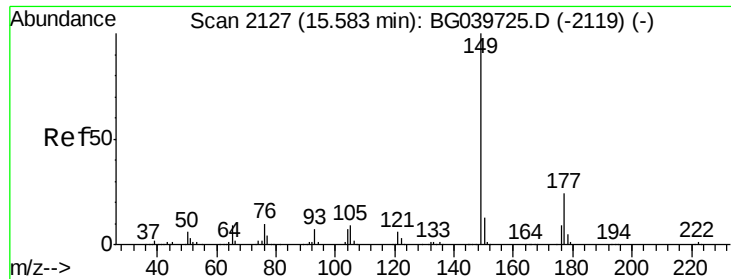
Tgt Ion:	165	Resp:	15313
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.2	64.6	96.8#
182	0.0	2.0	3.0#



#58
 Fluorene
 Concen: 0.095 ng
 RT: 15.81 min Scan# 2166
 Delta R.T. -0.02 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

Tgt Ion:	166	Resp:	885
Ion	Ratio	Lower	Upper
166	100		
165	121.0	77.9	116.9#
167	0.0	10.8	16.2#





#60

Diethylphthalate

Concen: 0.009 ng

RT: 15.56 min Scan# 2123

Delta R.T. -0.03 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

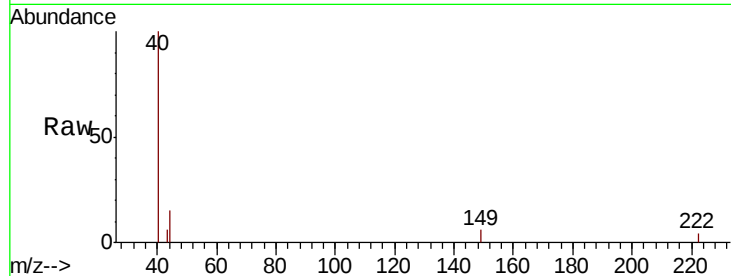
Tgt Ion: 149 Resp: 86

Ion Ratio Lower Upper

149 100

177 0.0 18.3 27.5#

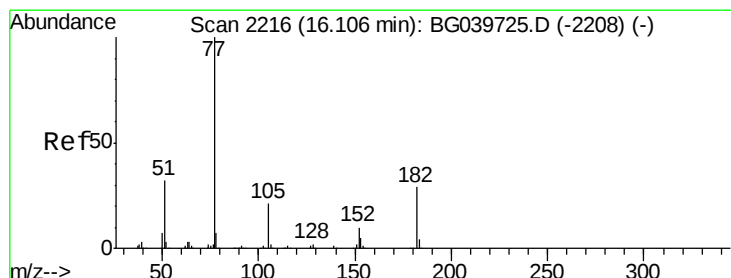
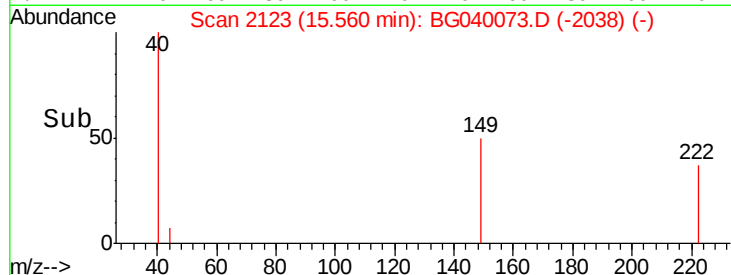
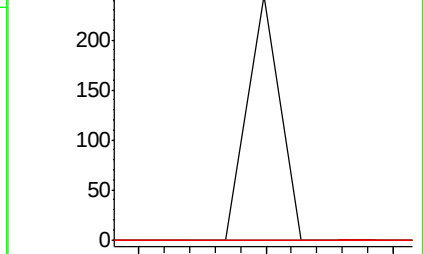
150 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Azobenzene

Concen: 0.092 ng

RT: 16.26 min Scan# 2242

Delta R.T. 0.15 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Tgt Ion: 77 Resp: 812

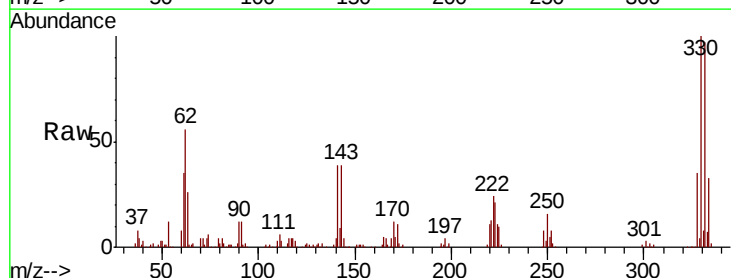
Ion Ratio Lower Upper

77 100

182 0.0 6.4 46.4#

105 119.0 0.0 39.8#

51 128.8 14.1 54.1#

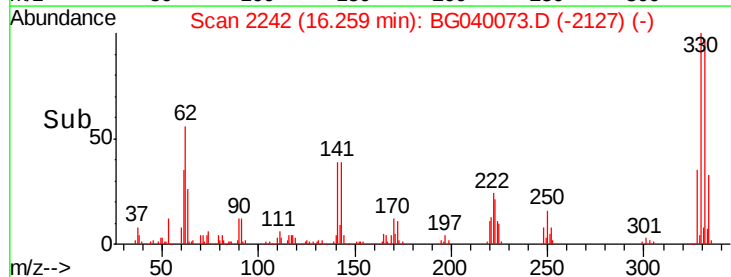
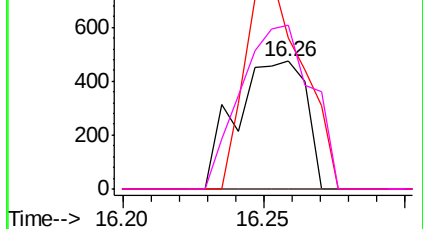


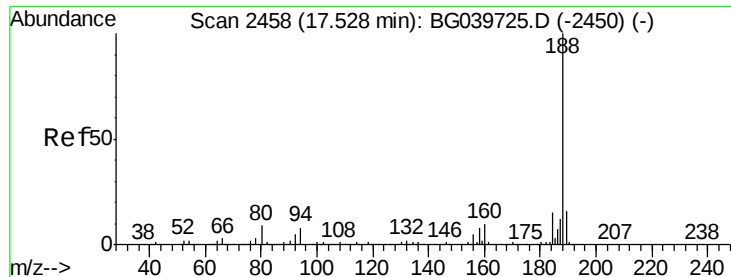
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

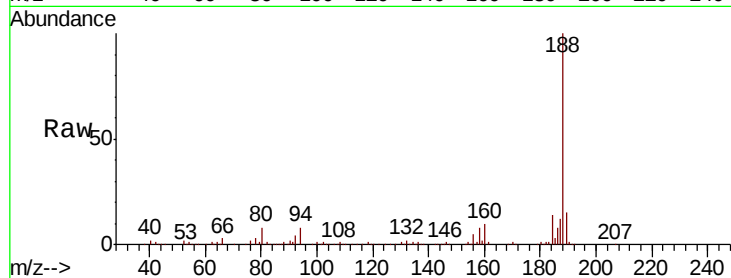
Tgt Ion:188 Resp: 295012

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

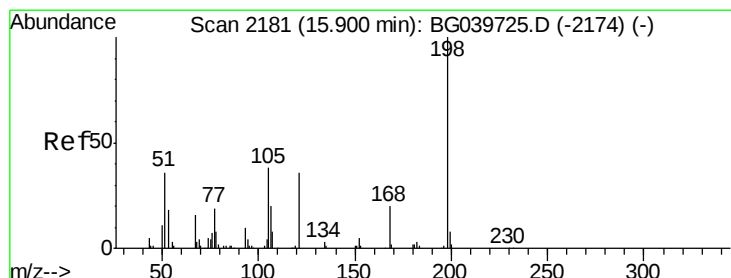
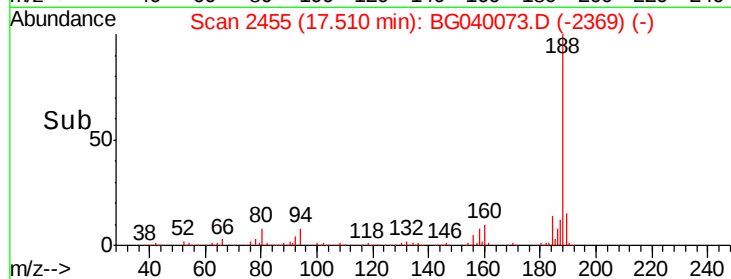
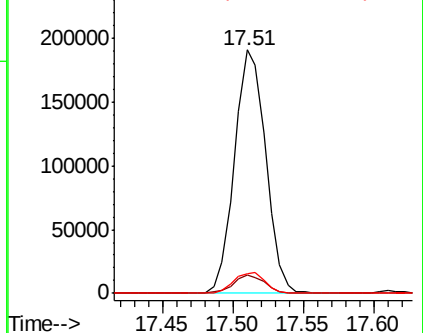
80 8.2 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 0.379 ng

RT: 16.25 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

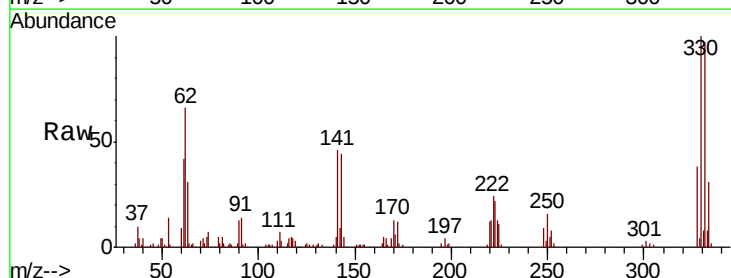
Tgt Ion:198 Resp: 661

Ion Ratio Lower Upper

198 100

51 106.4 27.4 67.4#

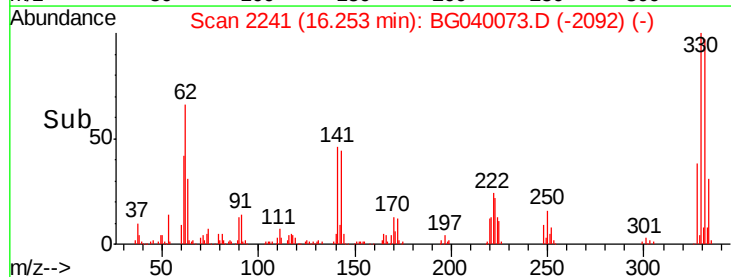
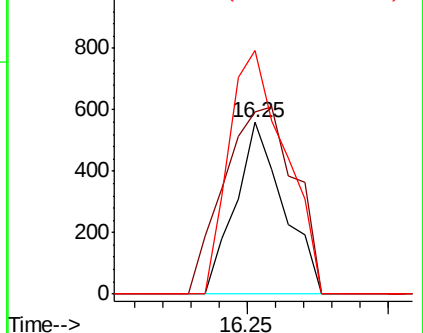
105 141.9 19.7 59.7#

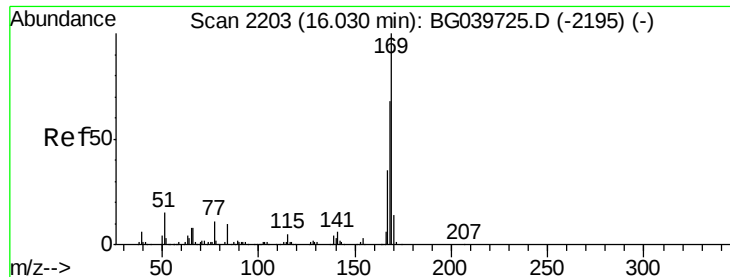


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

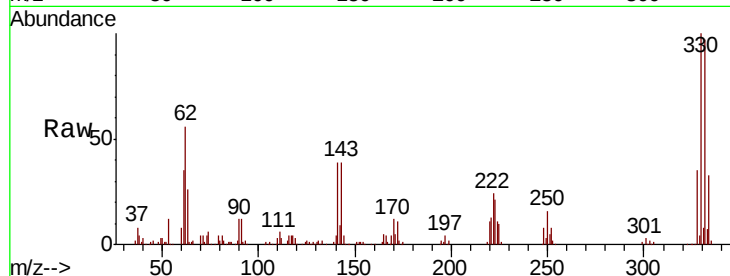




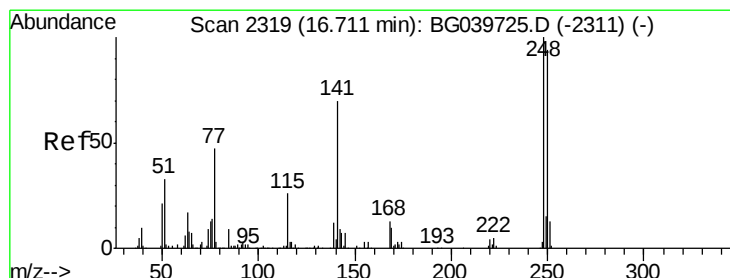
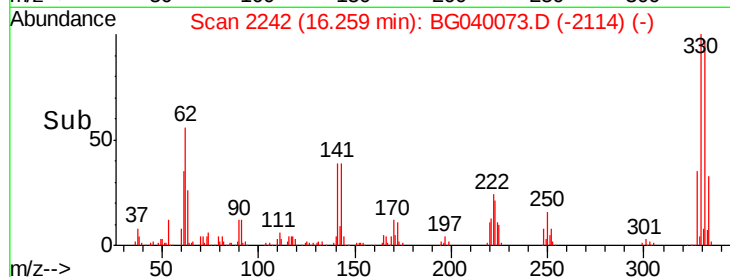
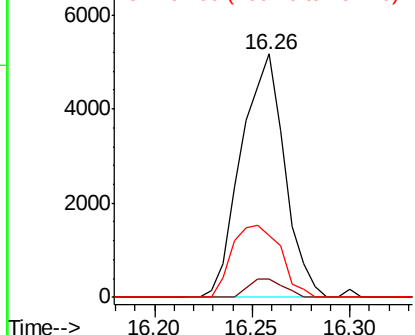
#66
 n-Nitrosodiphenylamine
 Concen: 0.933 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. 0.22 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

Tgt Ion:169 Resp: 7967
 Ion Ratio Lower Upper
 169 100
 168 7.6 56.6 85.0#
 167 25.4 28.8 43.2#

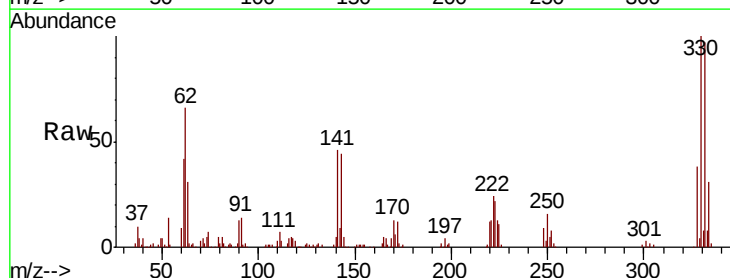


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

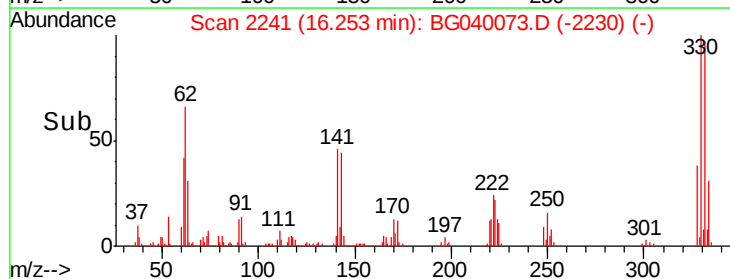
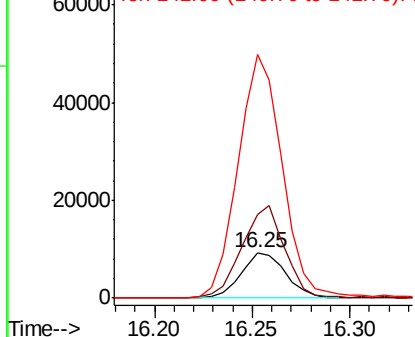


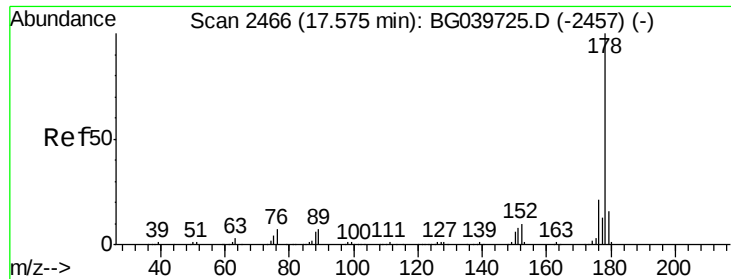
#67
 4-Bromophenyl-phenylether
 Concen: 4.360 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

Tgt Ion:248 Resp: 14397
 Ion Ratio Lower Upper
 248 100
 250 183.7 77.6 116.4#
 141 535.1 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





#71

Phenanthrene

Concen: 0.145 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

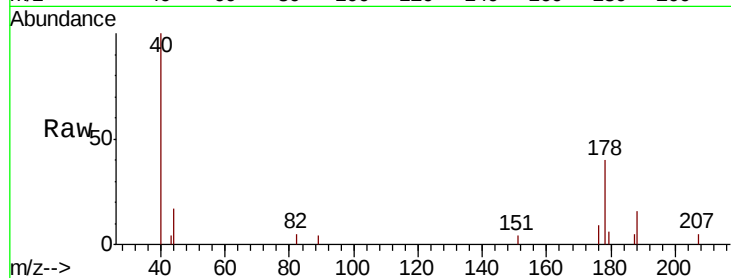
Tgt Ion:178 Resp: 2349

Ion Ratio Lower Upper

178 100

176 23.8 16.2 24.4

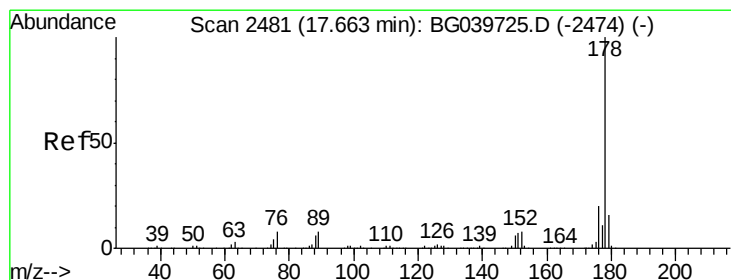
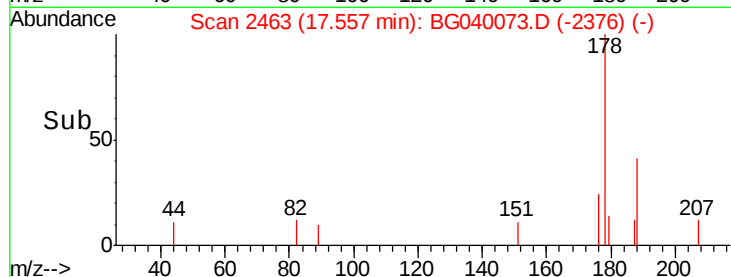
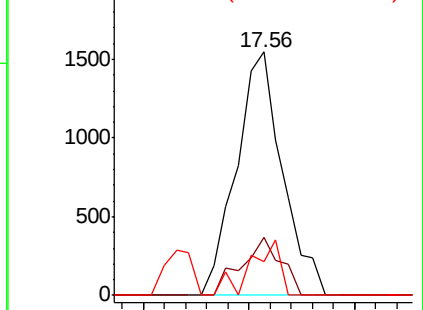
179 14.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 0.029 ng

RT: 17.65 min Scan# 2479

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

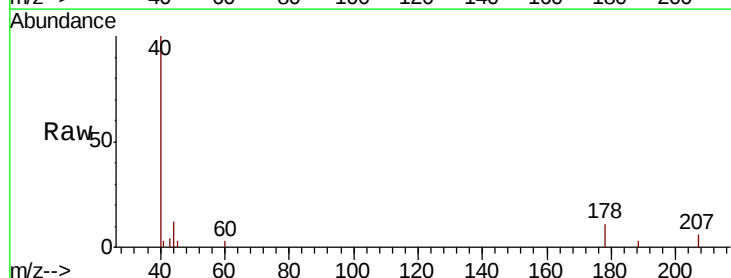
Tgt Ion:178 Resp: 463

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

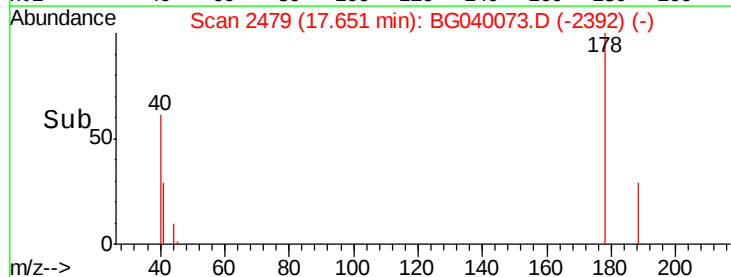
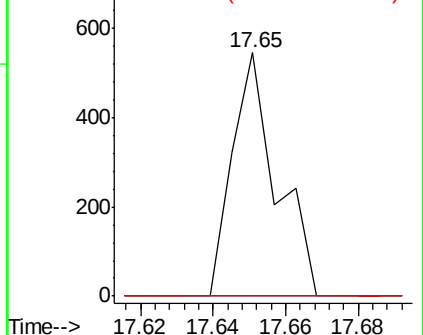
179 0.0 12.5 18.7#

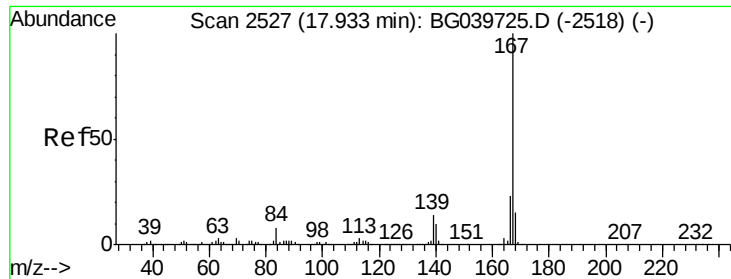


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

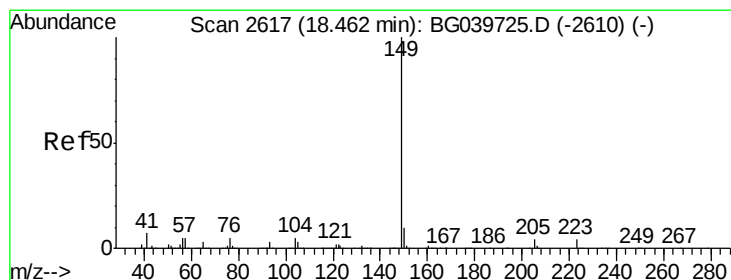
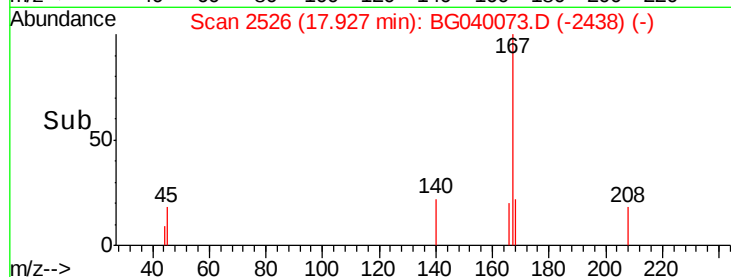
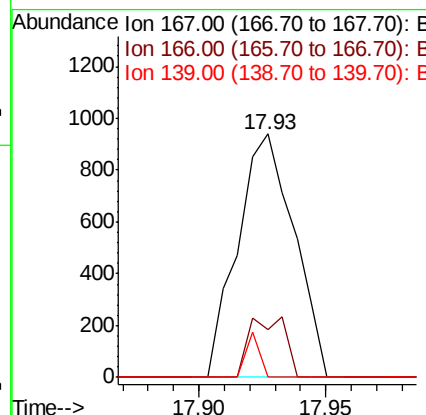
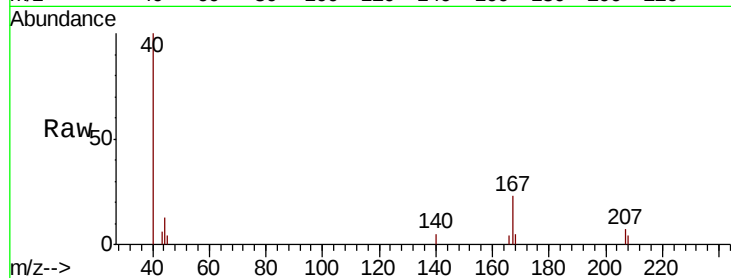




#73
 Carbazole
 Concen: 0.102 ng
 RT: 17.93 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

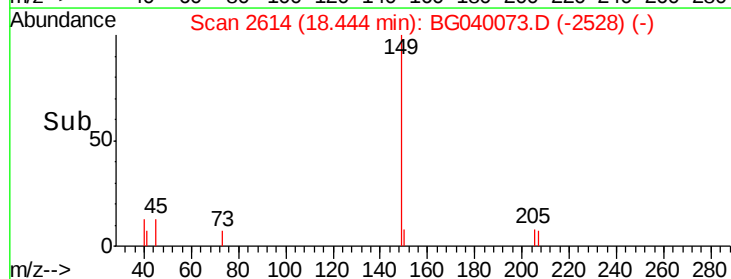
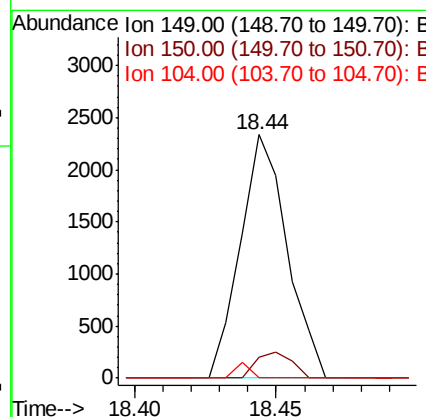
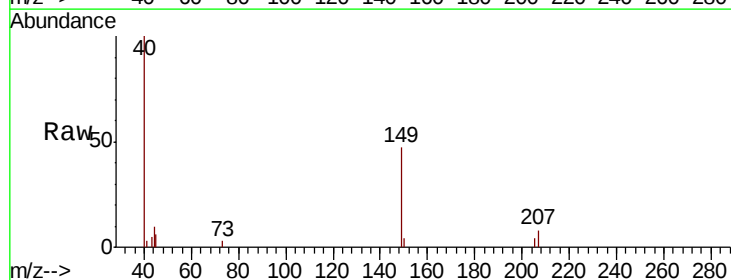
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

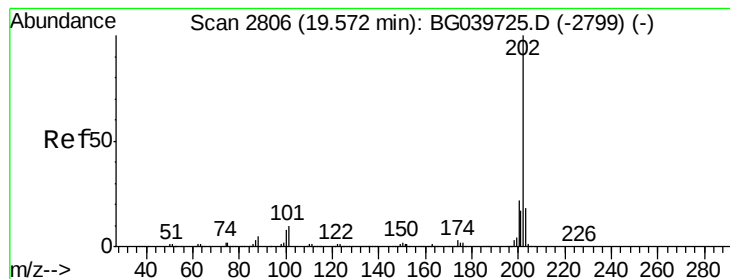
Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.6	19.4	29.2
139	0.0	10.8	16.2#



#74
 Di-n-butylphthalate
 Concen: 0.159 ng
 RT: 18.44 min Scan# 2614
 Delta R.T. -0.02 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.3	7.7	11.5
104	0.0	4.5	6.7#





#75

Fluoranthene

Concen: 0.029 ng

RT: 19.92 min Scan# 2866

Delta R.T. 0.35 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

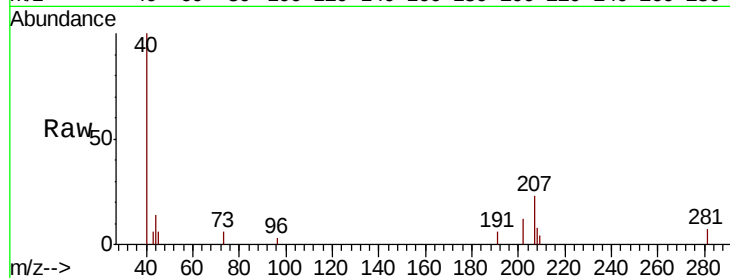
Tgt Ion: 202 Resp: 566

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

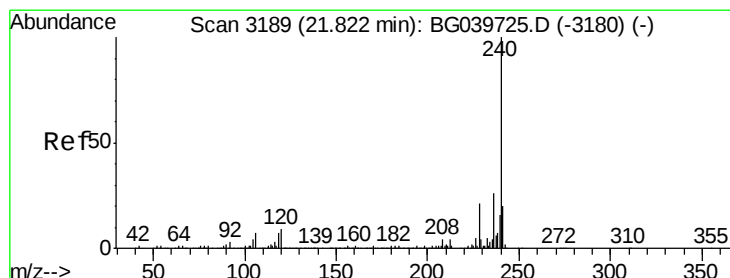
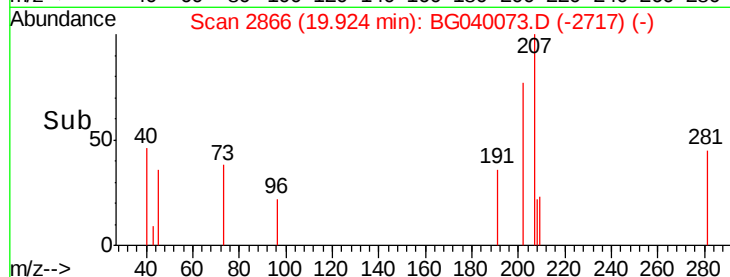
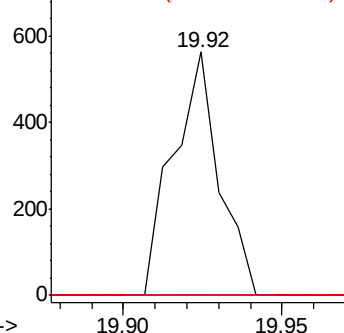
203 0.0 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.03 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

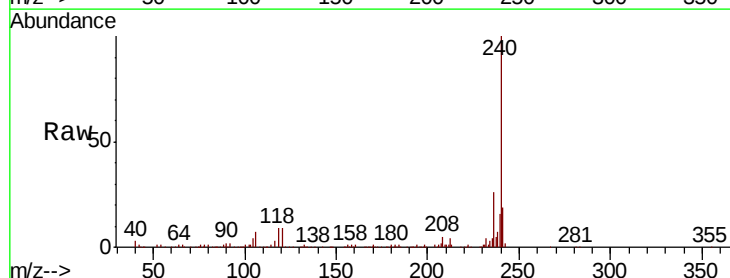
Tgt Ion: 240 Resp: 293181

Ion Ratio Lower Upper

240 100

120 9.1 7.0 10.6

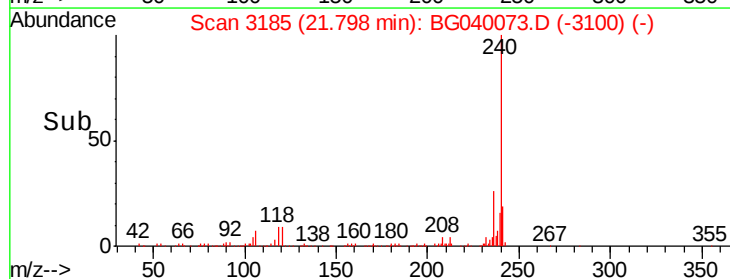
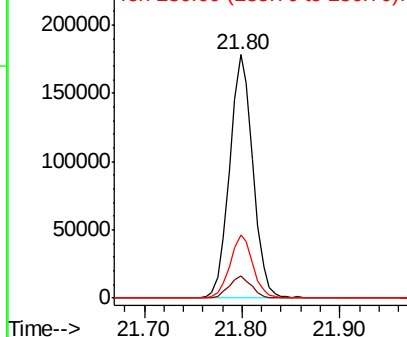
236 26.0 21.0 31.4

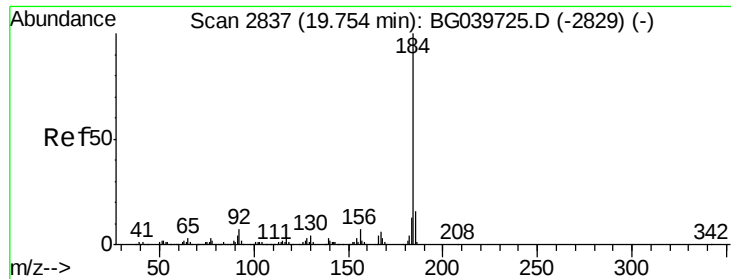


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.257 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

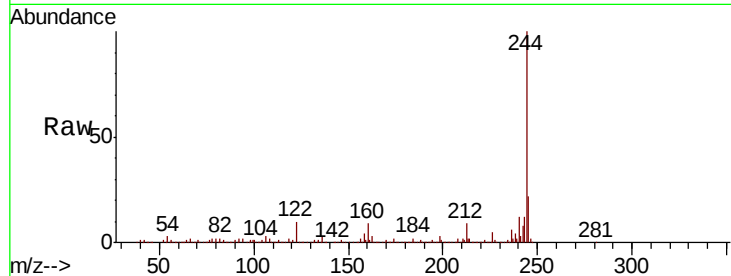
Tgt Ion:184 Resp: 21001

Ion Ratio Lower Upper

184 100

185 17.0 12.2 18.2

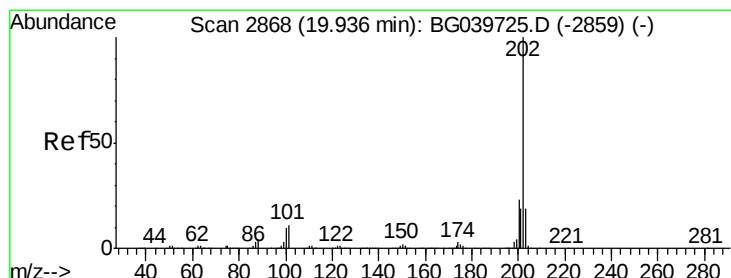
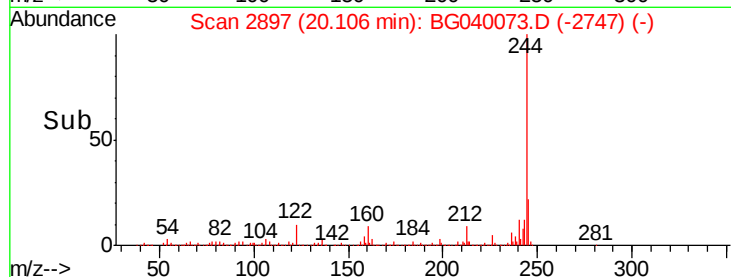
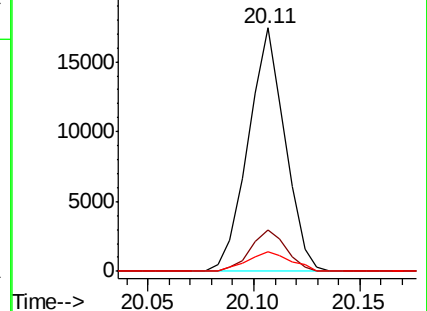
183 8.0 10.6 15.8#



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



#78

Pyrene

Concen: 0.030 ng

RT: 19.92 min Scan# 2866

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

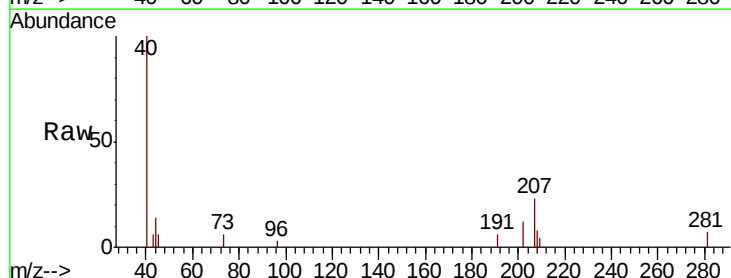
Tgt Ion:202 Resp: 566

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.8#

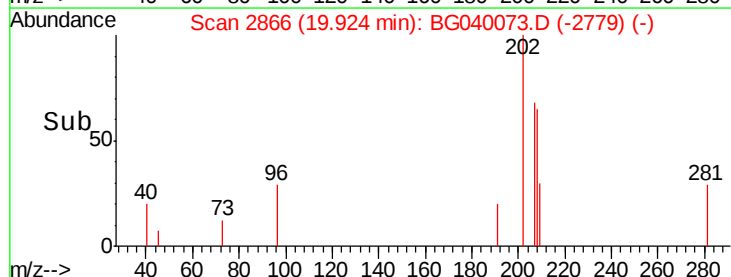
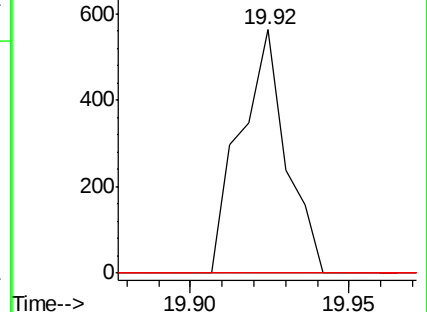
203 0.0 15.3 22.9#

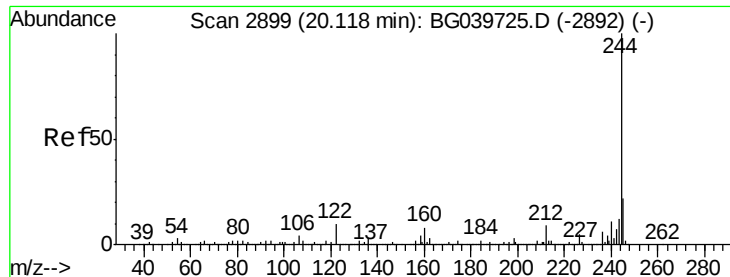


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 89.045 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

Instrument :

BNA_G

ClientSampleId :

EO-02-032019-B

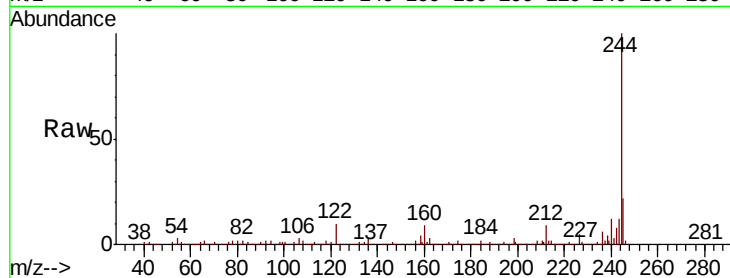
Tgt Ion:244 Resp: 1185673

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

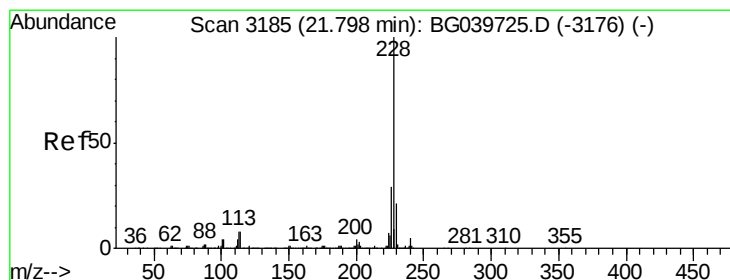
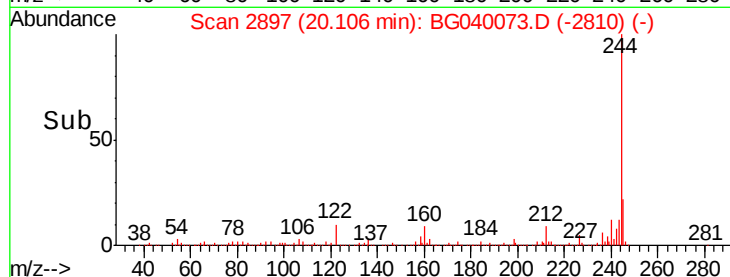
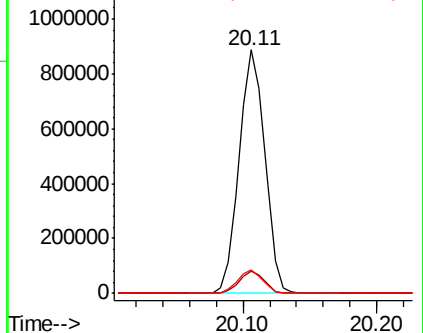
122 9.6 8.4 12.6



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



#81

Benzo(a)anthracene

Concen: 0.042 ng

RT: 21.80 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

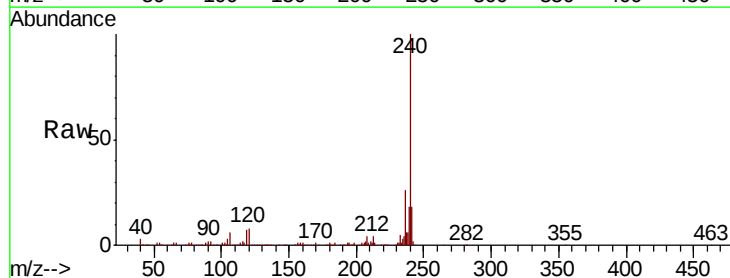
Tgt Ion:228 Resp: 770

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

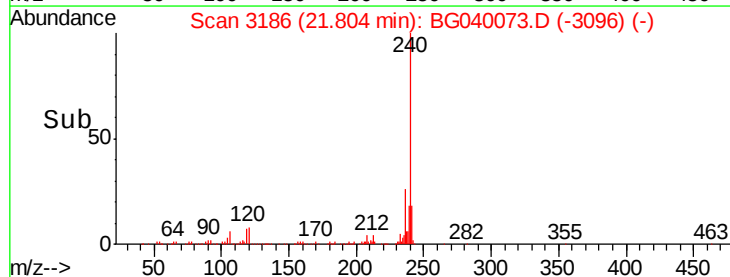
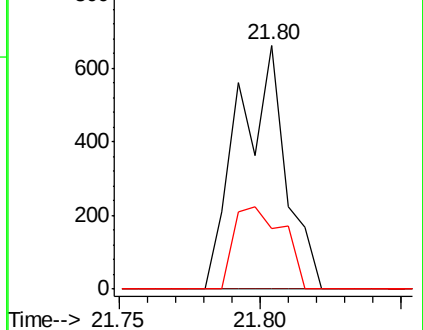
229 25.0 16.9 25.3

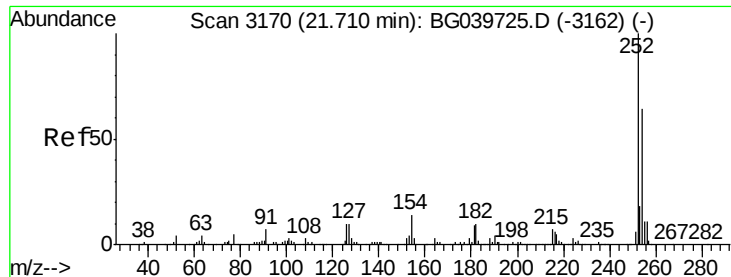


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

3,3'-Dichlorobenzidine

Concen: 0.010 ng

RT: 21.22 min Scan# 3086

Delta R.T. -0.50 min

Lab File: BG040073.D

Acq: 21 Mar 2019 19:50

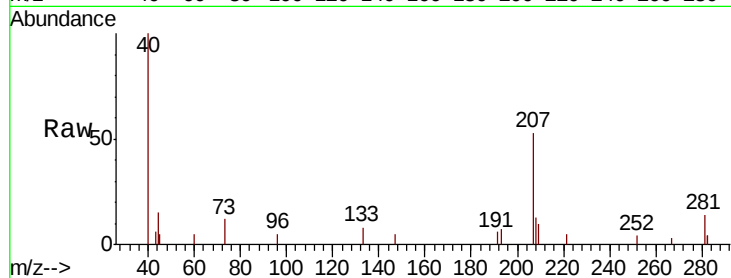
Instrument :

BNA_G

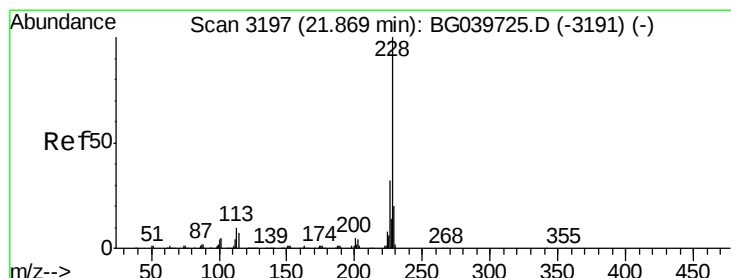
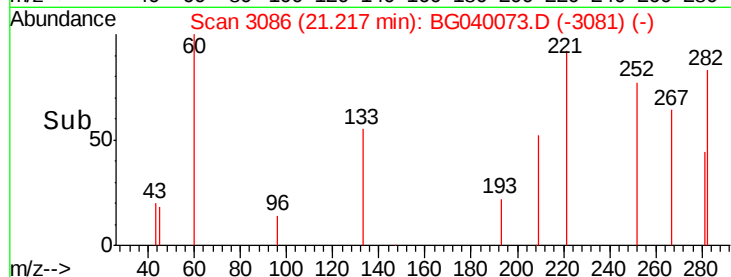
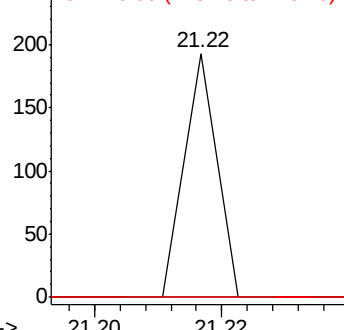
ClientSampleId :

EO-02-032019-B

Tgt Ion:	252	Resp:	68
Ion Ratio	Lower	Upper	
252	100		
254	0.0	51.3	76.9#
126	0.0	8.0	12.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 0.043 ng

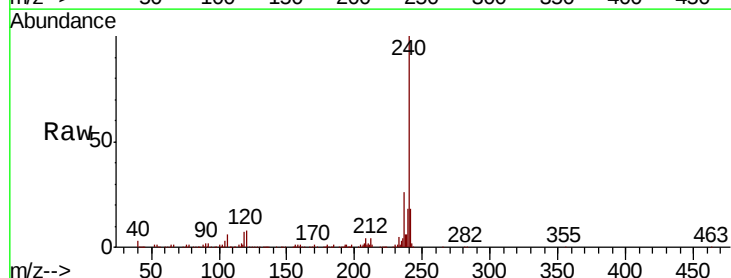
RT: 21.80 min Scan# 3186

Delta R.T. -0.07 min

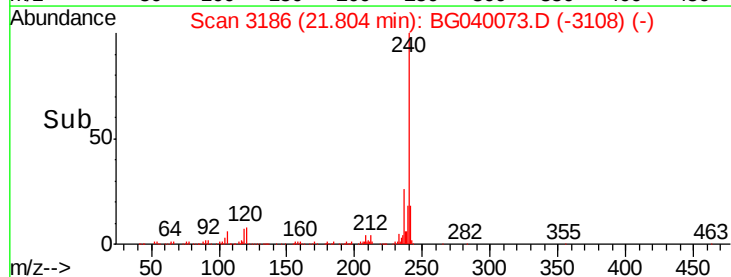
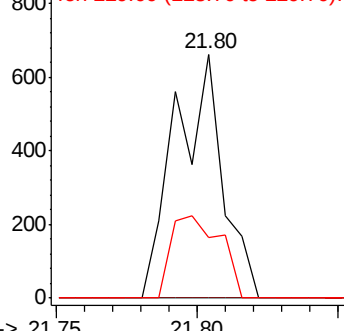
Lab File: BG040073.D

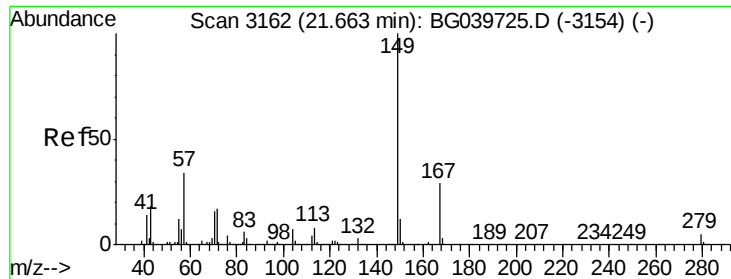
Acq: 21 Mar 2019 19:50

Tgt Ion:	228	Resp:	770
Ion Ratio	Lower	Upper	
228	100		
226	0.0	25.8	38.6#
229	25.0	16.6	25.0#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

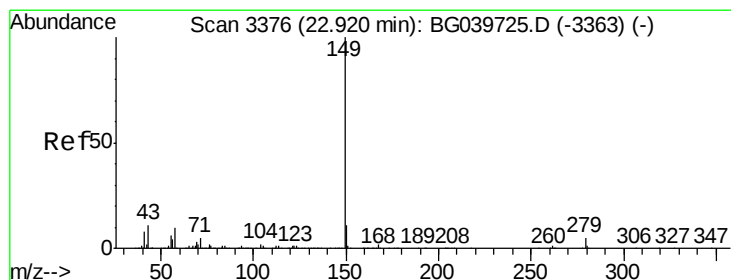
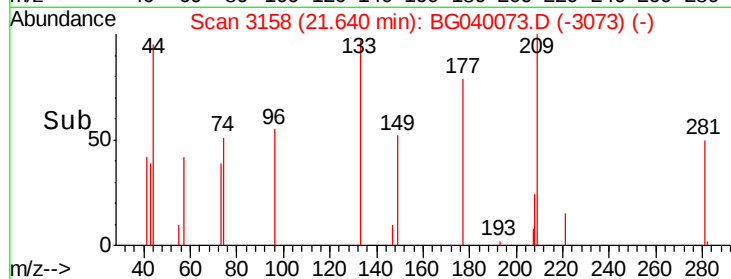
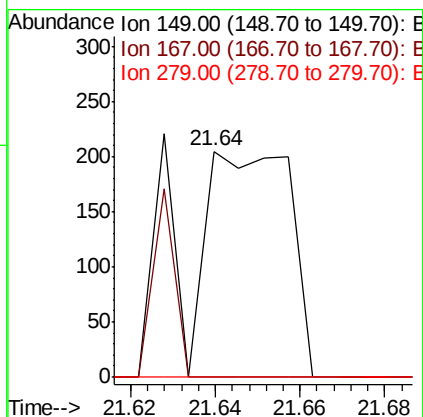
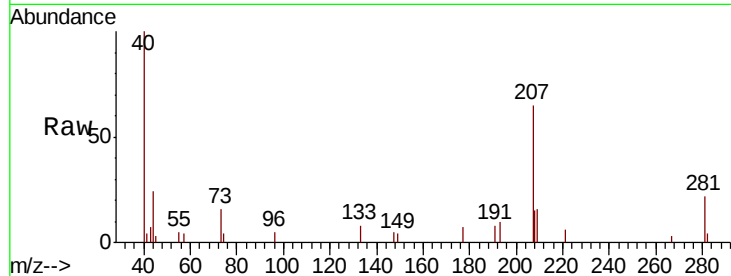




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.027 ng
 RT: 21.64 min Scan# 3158
 Delta R.T. -0.03 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

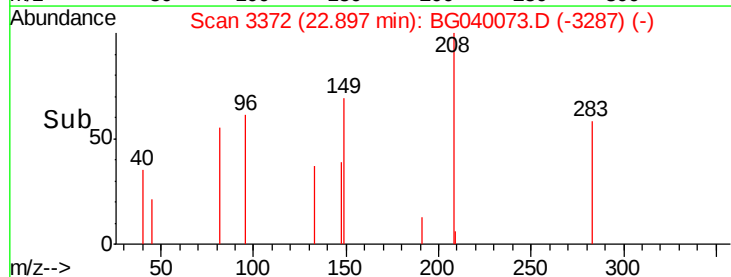
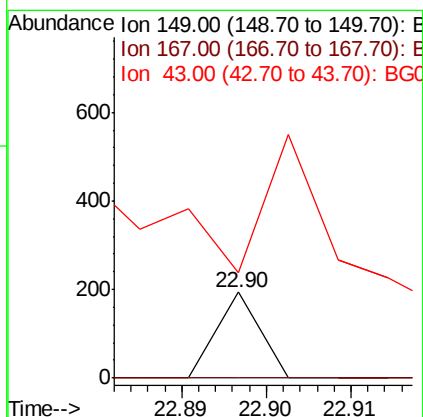
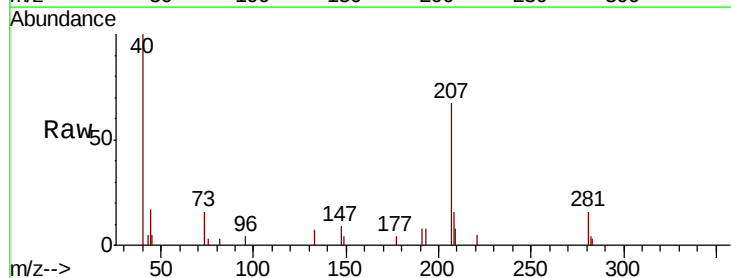
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-032019-B

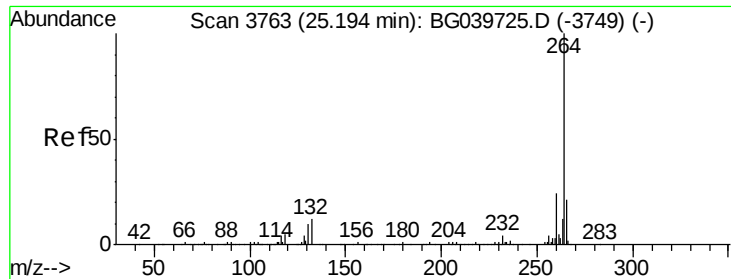
Tgt Ion: 149 Resp: 279
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.6 34.0#
 279 0.0 3.5 5.3#



#85
 Di-n-octyl phthalate
 Concen: 0.004 ng
 RT: 22.90 min Scan# 3372
 Delta R.T. -0.03 min
 Lab File: BG040073.D
 Acq: 21 Mar 2019 19:50

Tgt Ion: 149 Resp: 68
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 0.0 10.2 15.4#

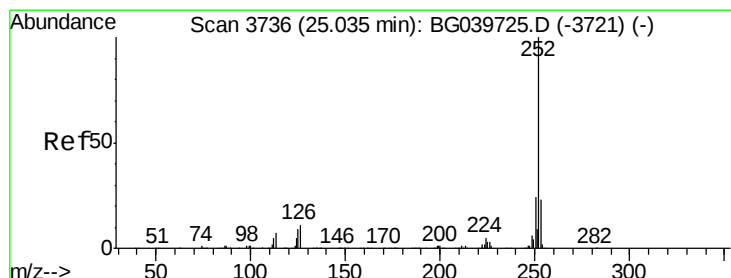
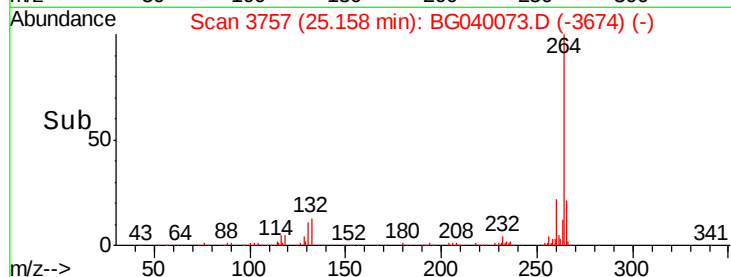
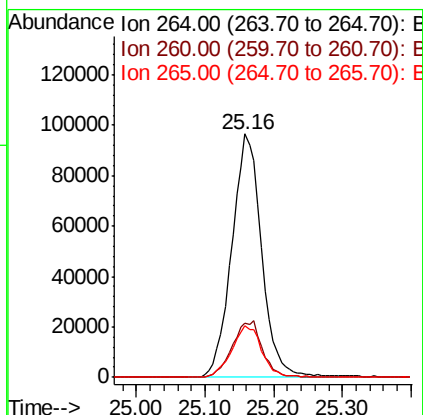
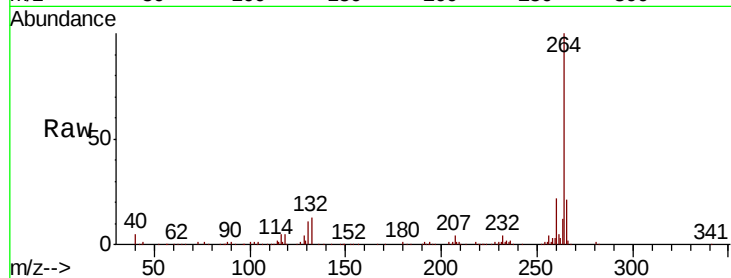




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

Instrument :
BNA_G
ClientSampleId :
EO-02-032019-B

Tgt Ion:264 Resp: 290691
Ion Ratio Lower Upper
264 100
260 22.1 18.2 27.4
265 21.2 18.5 27.7



#90
Benzo(a)pyrene
Concen: 0.004 ng
RT: 25.11 min Scan# 3749
Delta R.T. 0.07 min
Lab File: BG040073.D
Acq: 21 Mar 2019 19:50

Tgt Ion:252 Resp: 57
Ion Ratio Lower Upper
252 100
253 0.0 17.9 26.9#
125 0.0 8.3 12.5#

