

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039612.D
 Acq On : 26 Feb 2019 22:38
 Operator : JU/SJ
 Sample : K1594-31MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)MSD

Quant Time: Feb 27 00:01:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	62246	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	265299	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	178681	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	427494	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	419217	20.00	ng	-0.02
87) Perylene-d12	25.21	264	438756	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.71	112	496994	136.65	ng	0.00
7) Phenol-d6	7.32	99	727641	135.92	ng	0.00
23) Nitrobenzene-d5	9.34	82	422938	99.59	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	282299	146.72	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	960644	77.13	ng	-0.02
79) Terphenyl-d14	20.12	244	1402364	70.81	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.61	88	56055	35.235	ng	93
3) Pyridine	4.00	79	162601	38.604	ng	98
4) n-Nitrosodimethylamine	3.93	42	88280	41.909	ng	85
6) Aniline	7.49	93	232601	34.688	ng	97
8) 2-Chlorophenol	7.73	128	179945	45.264	ng	98
9) Benzaldehyde	7.31	77	81204	27.748	ng	97
10) Phenol	7.35	94	273079	48.934	ng	96
11) bis(2-Chloroethyl)ether	7.58	93	174123	39.487	ng	96
12) 1,3-Dichlorobenzene	8.06	146	191458	39.755	ng	96
13) 1,4-Dichlorobenzene	8.20	146	193903	40.395	ng	98
14) 1,2-Dichlorobenzene	8.52	146	189699	40.822	ng	96
15) Benzyl Alcohol	8.40	79	175565	41.772	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.69	45	339072	34.050	ng	97
17) 2-Methylphenol	8.60	107	161654	44.763	ng	98
18) Hexachloroethane	9.25	117	67949	41.145	ng	92
19) n-Nitroso-di-n-propylamine	8.97	70	145690	38.343	ng	93
20) 3+4-Methylphenols	8.93	107	226921	45.631	ng	98
22) Acetophenone	9.00	105	277825	38.985	ng	# 94
24) Nitrobenzene	9.39	77	213292	46.491	ng	97
25) Isophorone	9.90	82	413408	43.930	ng	97
26) 2-Nitrophenol	10.10	139	108857	57.056	ng	95
27) 2,4-Dimethylphenol	10.14	122	184935	48.579	ng	98
28) bis(2-Chloroethoxy)methane	10.38	93	251456	43.381	ng	99
29) 2,4-Dichlorophenol	10.63	162	202200	48.599	ng	92
30) 1,2,4-Trichlorobenzene	10.84	180	203949	43.661	ng	100
31) Naphthalene	11.04	128	580864	44.134	ng	98
32) Benzoic acid	10.21	122	10053	12.296	ng	90
33) 4-Chloroaniline	11.15	127	171333	28.076	ng	94
34) Hexachlorobutadiene	11.30	225	130792	42.103	ng	90
35) Caprolactam	11.94	113	46808	27.187	ng	93
36) 4-Chloro-3-methylphenol	12.25	107	215855	44.860	ng	98
37) 2-Methylnaphthalene	12.63	142	436708	44.800	ng	98
38) 1-Methylnaphthalene	12.85	142	418556	44.543	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.99	216	241680	42.511	ng	98

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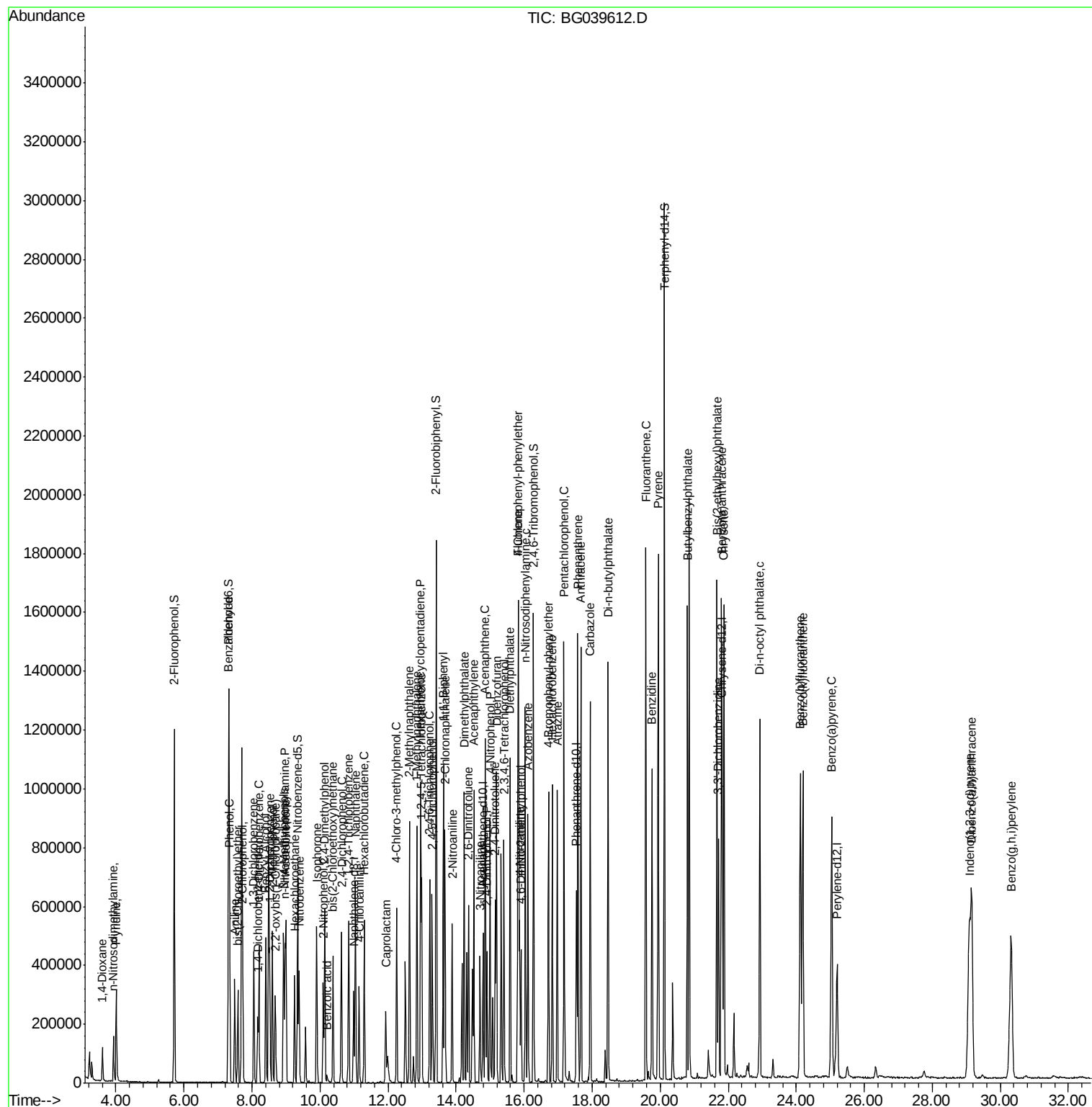
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.96	237	298125	96.234	ng	100
43) 2,4,6-Trichlorophenol	13.23	196	166403	47.605	ng	99
44) 2,4,5-Trichlorophenol	13.30	196	181795	49.622	ng	98
46) 1,1'-Biphenyl	13.63	154	581660	39.125	ng	98
47) 2-Chloronaphthalene	13.68	162	454785	40.664	ng	97
48) 2-Nitroaniline	13.89	65	158713	49.159	ng	92
49) Acenaphthylene	14.52	152	722928	42.839	ng	100
50) Dimethylphthalate	14.24	163	660658	45.781	ng	100
51) 2,6-Dinitrotoluene	14.37	165	136605	50.287	ng	92
52) Acenaphthene	14.85	154	442253	40.373	ng	99
53) 3-Nitroaniline	14.70	138	107206	38.185	ng	# 97
54) 2,4-Dinitrophenol	14.91	184	103810	84.619	ng	93
55) Dibenzofuran	15.19	168	721876	41.101	ng	99
56) 4-Nitrophenol	15.00	139	240394	91.253	ng	90
57) 2,4-Dinitrotoluene	15.15	165	190564	53.992	ng	# 88
58) Fluorene	15.84	166	573449	43.799	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.41	232	184980	53.926	ng	95
60) Diethylphthalate	15.59	149	608868	40.807	ng	96
61) 4-Chlorophenyl-phenylether	15.82	204	299607	40.414	ng	97
62) 4-Nitroaniline	15.87	138	148675	49.031	ng	92
63) Azobenzene	16.12	77	546504	37.474	ng	97
65) 4,6-Dinitro-2-methylphenol	15.91	198	109086	59.253	ng	94
66) n-Nitrosodiphenylamine	16.04	169	529548	40.739	ng	97
67) 4-Bromophenyl-phenylether	16.72	248	200376	42.251	ng	94
68) Hexachlorobenzene	16.83	284	209403	44.009	ng	95
69) Atrazine	16.98	200	194884	41.026	ng	95
70) Pentachlorophenol	17.18	266	276337	83.560	ng	98
71) Phenanthrene	17.58	178	946048	42.758	ng	98
72) Anthracene	17.67	178	964815	44.270	ng	98
73) Carbazole	17.94	167	856309	39.370	ng	97
74) Di-n-butylphthalate	18.47	149	1025237	40.404	ng	99
75) Fluoranthene	19.58	202	1122227	43.698	ng	99
77) Benzidine	19.76	184	609766	44.365	ng	99
78) Pyrene	19.94	202	1119874	42.911	ng	99
80) Butylbenzylphthalate	20.81	149	481950	43.778	ng	97
81) Benzo(a)anthracene	21.80	228	1091603	44.067	ng	99
82) 3,3'-Dichlorobenzidine	21.72	252	288291	31.387	ng	100
83) Chrysene	21.87	228	1027148	43.559	ng	99
84) Bis(2-ethylhexyl)phthalate	21.67	149	663836	42.267	ng	99
85) Di-n-octyl phthalate	22.93	149	1139240	43.906	ng	96
86) Indeno(1,2,3-cd)pyrene	29.08	276	1252718	49.514	ng	# 95
88) Benzo(b)fluoranthene	24.12	252	1072666	44.829	ng	98
89) Benzo(k)fluoranthene	24.19	252	1052179	43.799	ng	99
90) Benzo(a)pyrene	25.04	252	1054785	45.772	ng	100
91) Dibenzo(a,h)anthracene	29.15	278	1004294	46.536	ng	99
92) Benzo(g,h,i)perylene	30.31	276	1033695	48.056	ng	96

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

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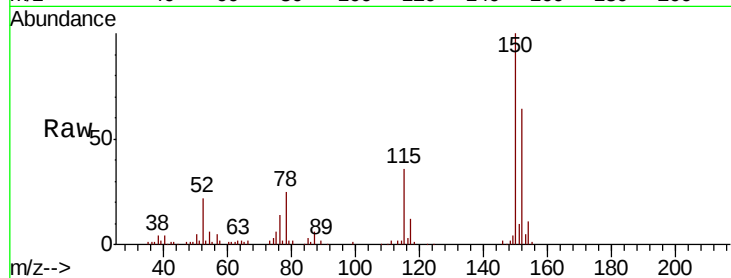


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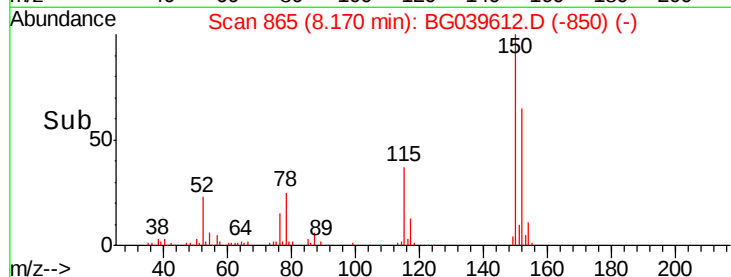
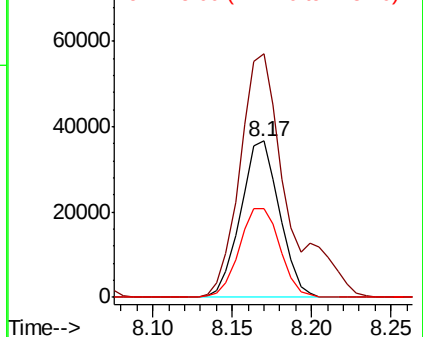
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion:152 Resp: 62246
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 56.8 45.9 68.9



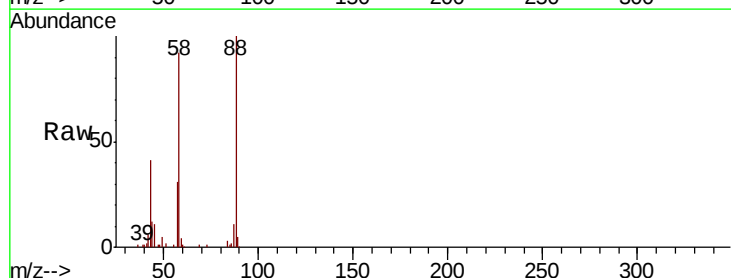
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



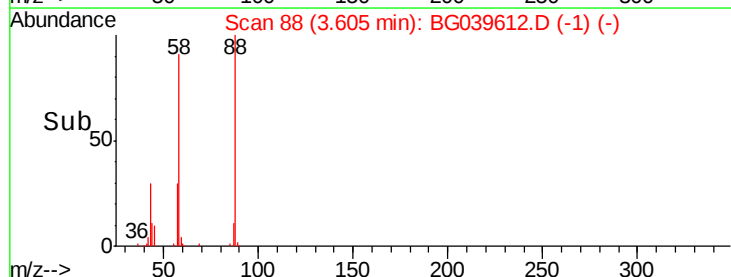
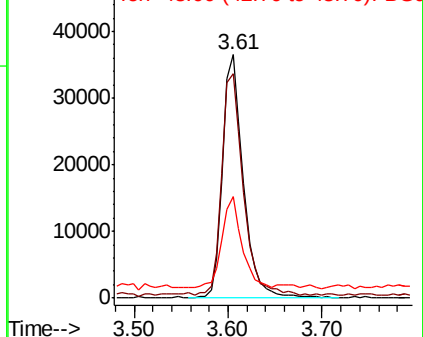
#2

1,4-Dioxane
Concen: 35.235 ng
RT: 3.61 min Scan# 88
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion: 88 Resp: 56055
Ion Ratio Lower Upper
88 100
58 93.6 81.1 121.7
43 35.3 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: 38.604 ng

RT: 4.00 min Scan# 156

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

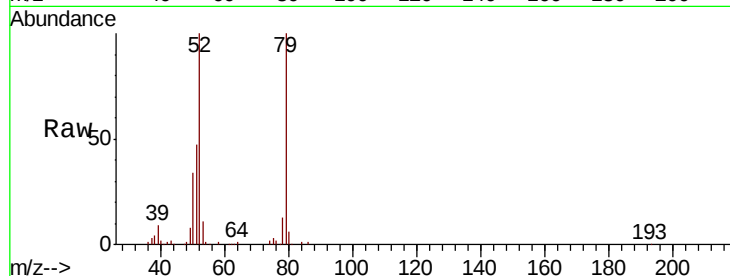
Tgt Ion: 79 Resp: 162601

Ion Ratio Lower Upper

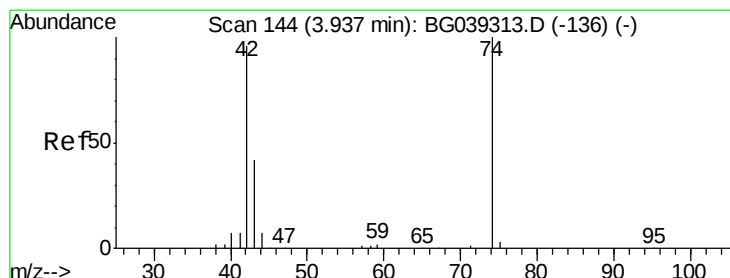
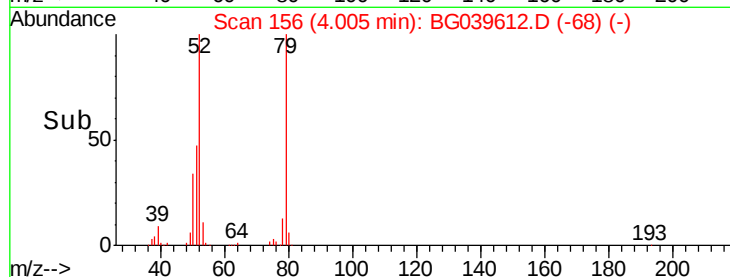
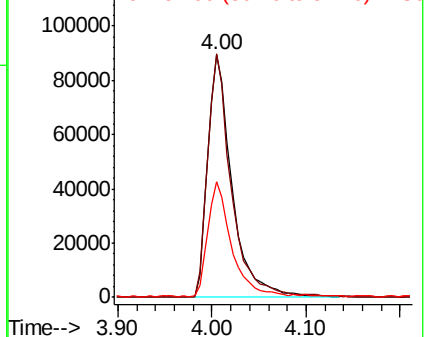
79 100

52 100.3 82.6 124.0

51 47.5 37.5 56.3



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 41.909 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

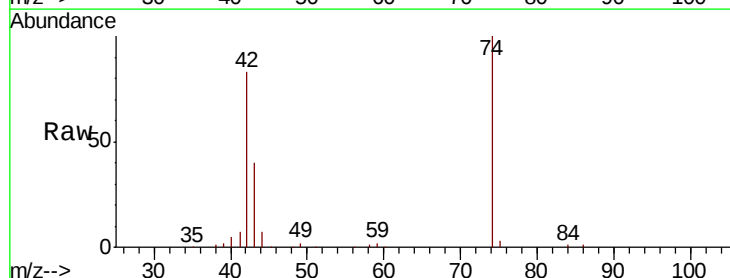
Tgt Ion: 42 Resp: 88280

Ion Ratio Lower Upper

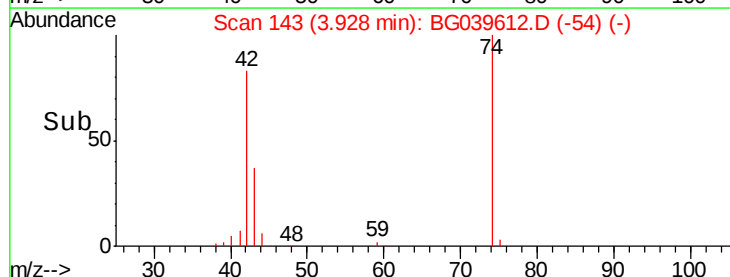
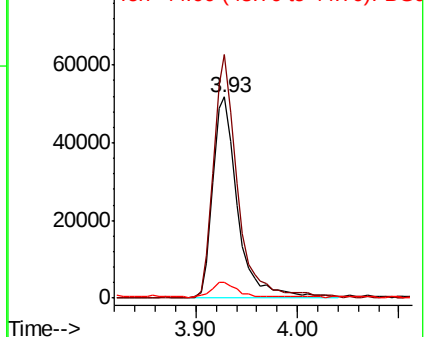
42 100

74 121.1 83.6 125.4

44 8.1 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 136.653 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

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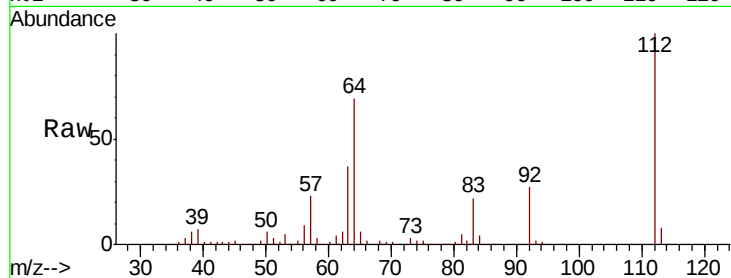
Tgt Ion: 112 Resp: 496994

Ion Ratio Lower Upper

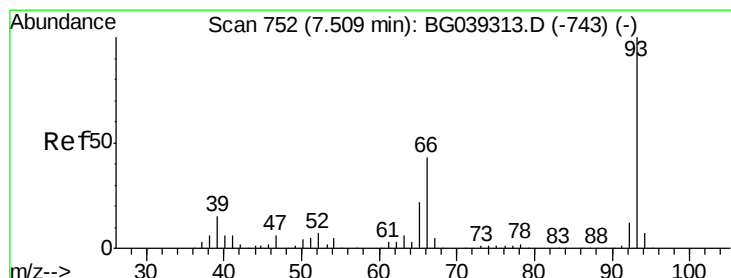
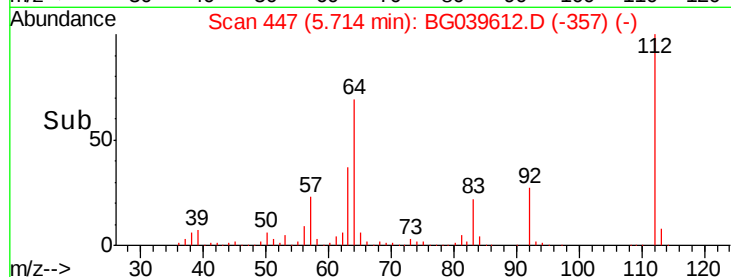
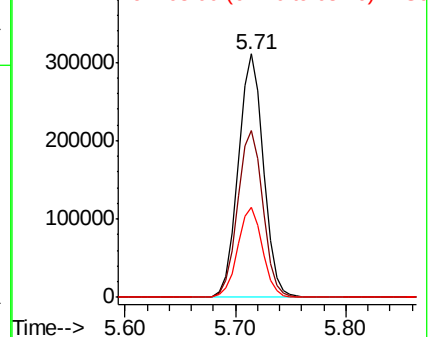
112 100

64 68.6 57.8 86.8

63 36.7 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: 34.688 ng

RT: 7.49 min Scan# 750

Delta R.T. -0.01 min

Lab File: BG039612.D

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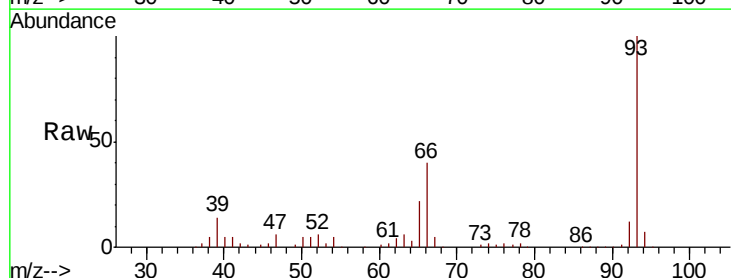
Tgt Ion: 93 Resp: 232601

Ion Ratio Lower Upper

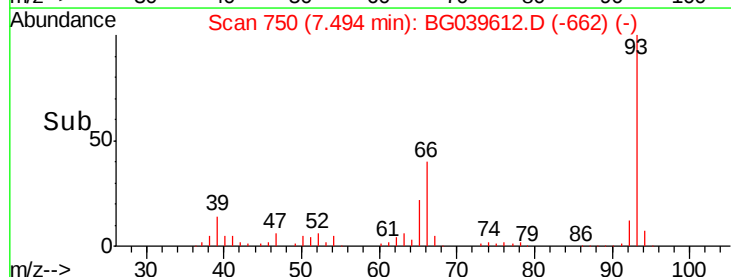
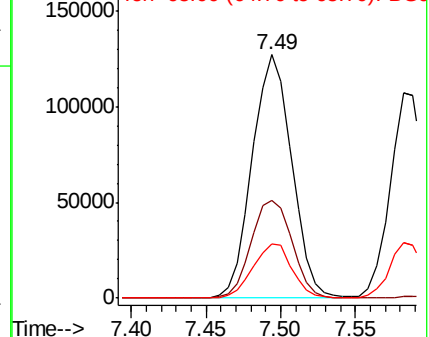
93 100

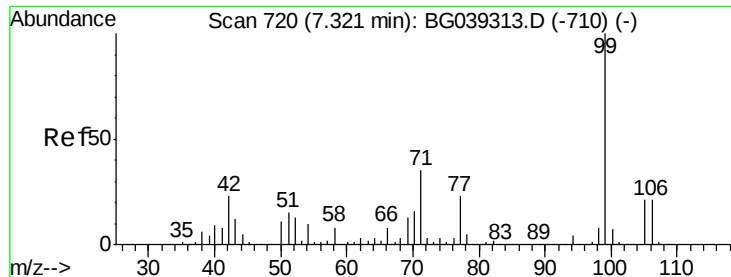
66 40.3 34.2 51.4

65 22.1 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: 135.921 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

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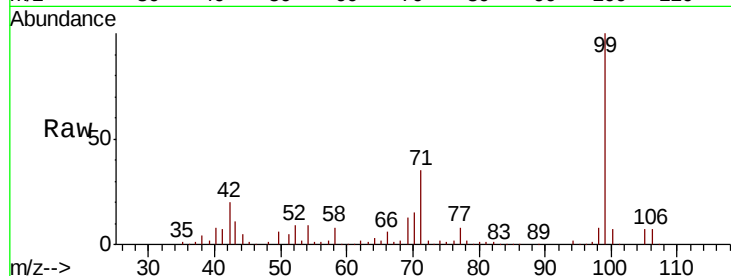
Tgt Ion: 99 Resp: 727641

Ion Ratio Lower Upper

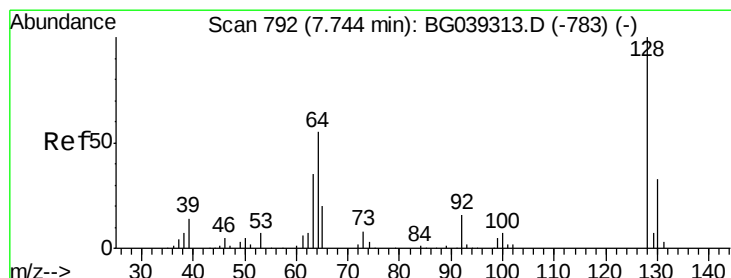
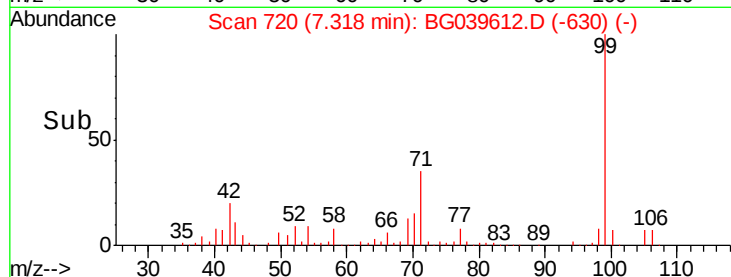
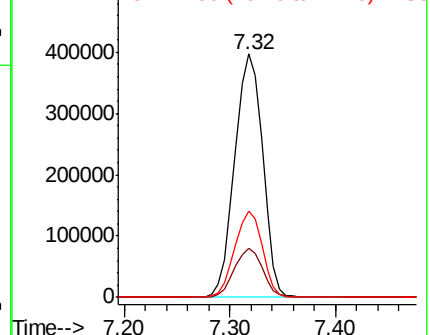
99 100

42 19.9 18.2 27.2

71 35.5 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: 45.264 ng

RT: 7.73 min Scan# 790

Delta R.T. -0.01 min

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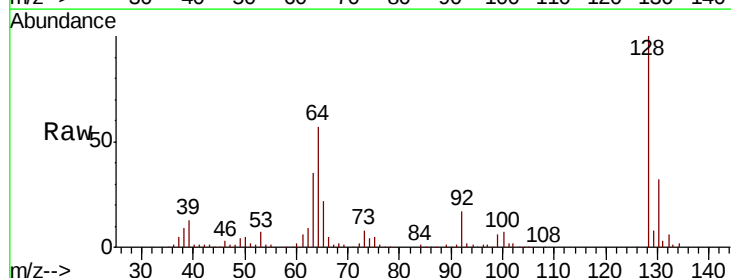
Tgt Ion: 128 Resp: 179945

Ion Ratio Lower Upper

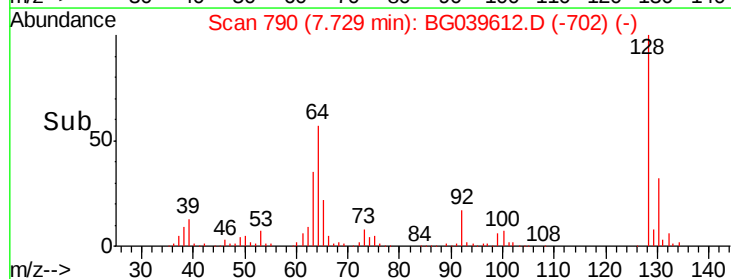
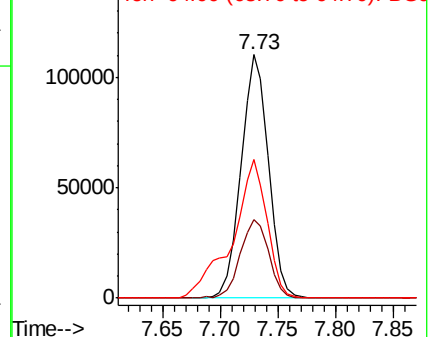
128 100

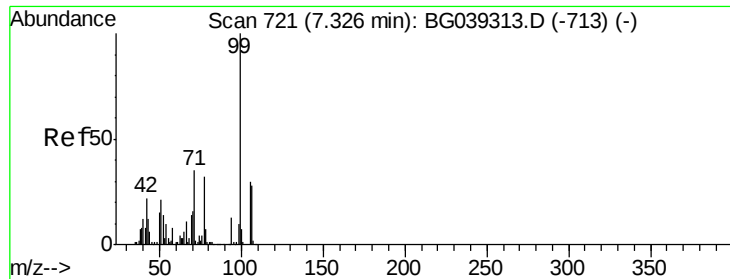
130 32.2 12.9 52.9

64 56.8 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: 27.748 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.02 min

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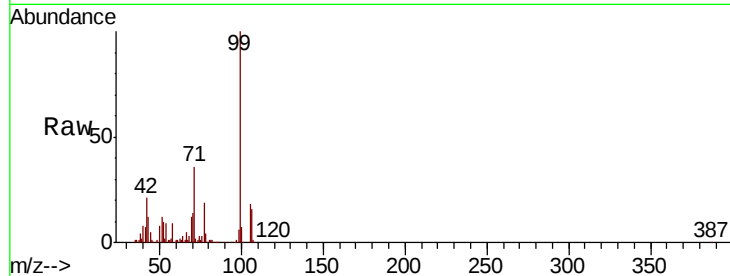
Tgt Ion: 77 Resp: 81204

Ion Ratio Lower Upper

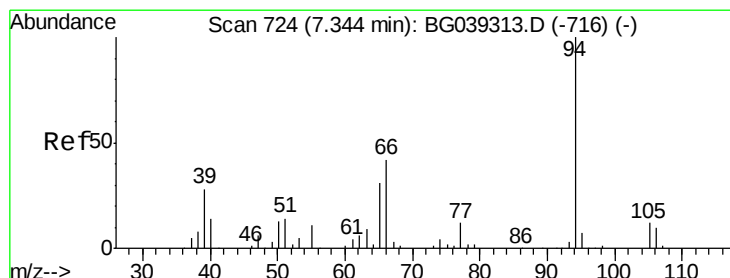
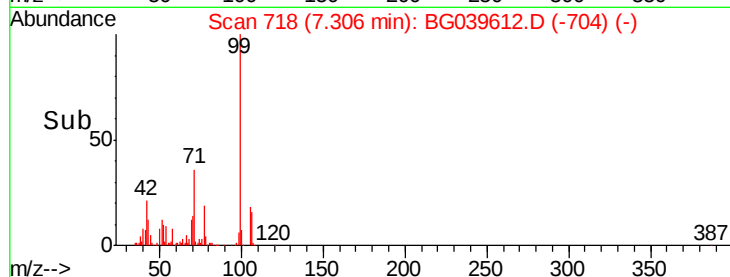
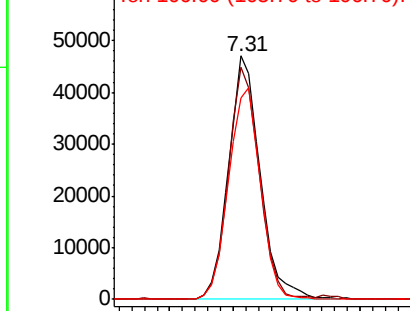
77 100

105 95.1 74.5 114.5

106 82.7 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: 48.934 ng

RT: 7.35 min Scan# 725

Delta R.T. 0.00 min

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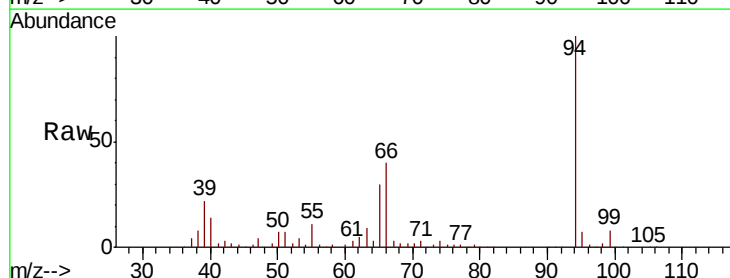
Tgt Ion: 94 Resp: 273079

Ion Ratio Lower Upper

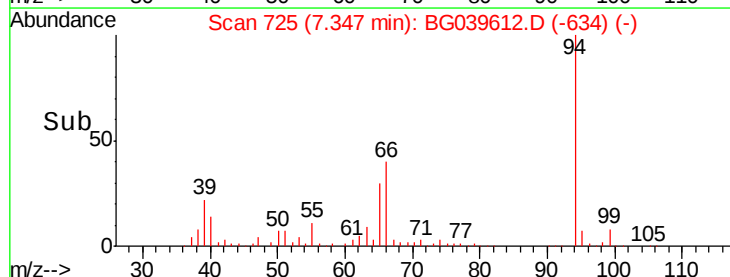
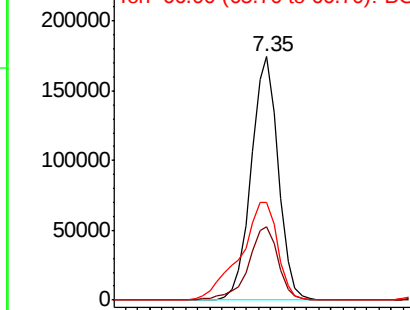
94 100

65 30.4 11.7 51.7

66 39.9 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: 39.487 ng

RT: 7.58 min Scan# 765

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

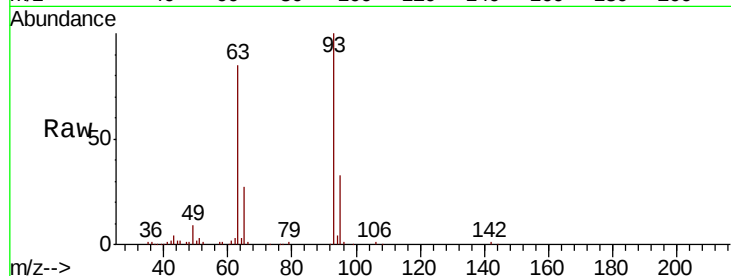
Tgt Ion: 93 Resp: 174123

Ion Ratio Lower Upper

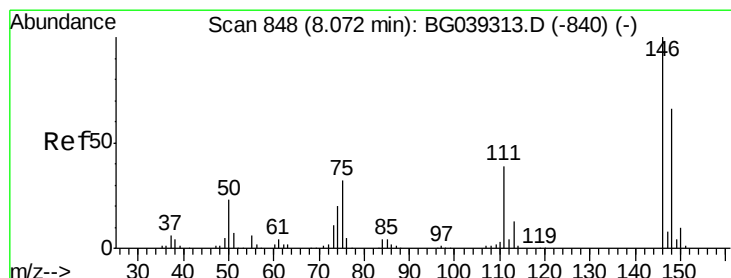
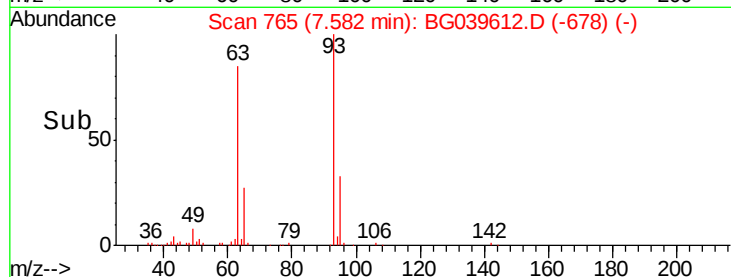
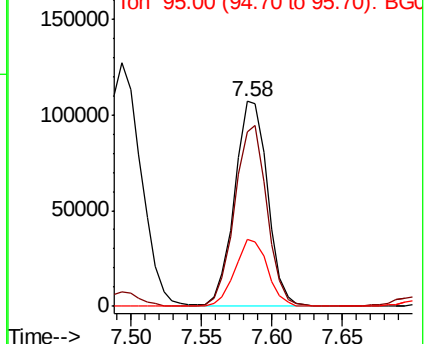
93 100

63 85.0 69.5 109.5

95 32.9 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: 39.755 ng

RT: 8.06 min Scan# 846

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

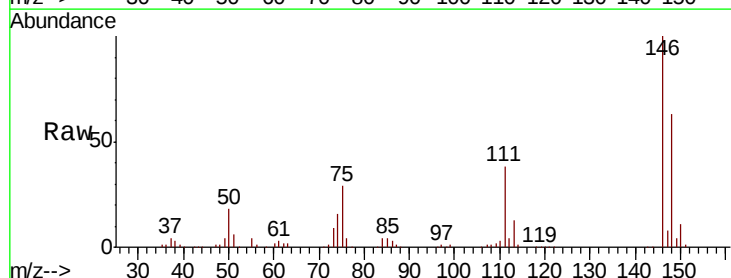
Tgt Ion: 146 Resp: 191458

Ion Ratio Lower Upper

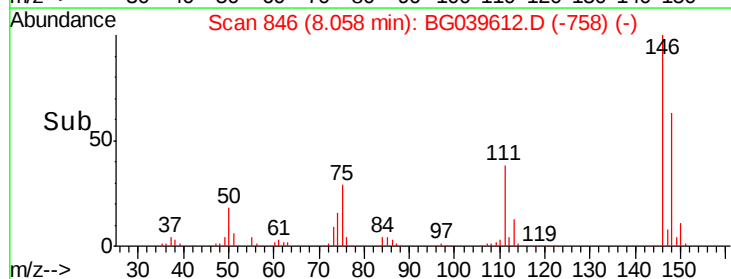
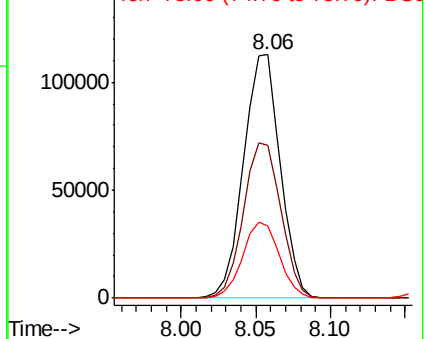
146 100

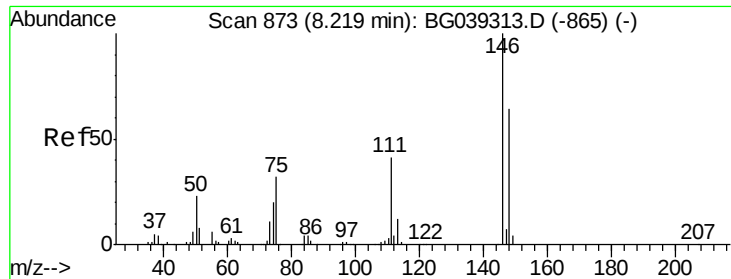
148 62.6 52.6 79.0

75 29.5 25.8 38.6



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

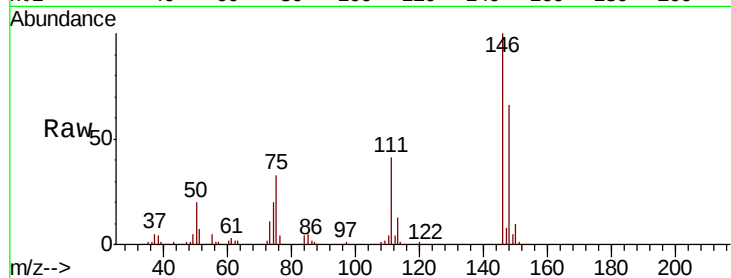




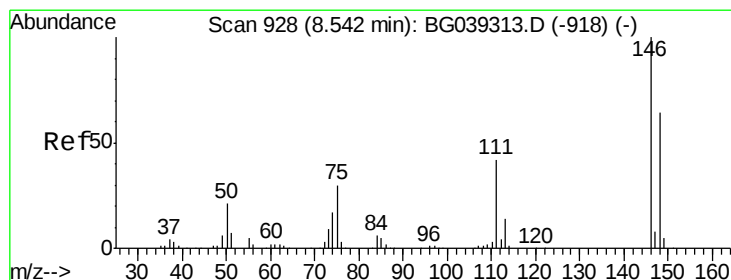
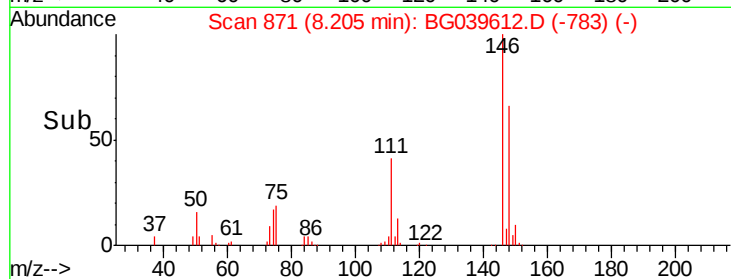
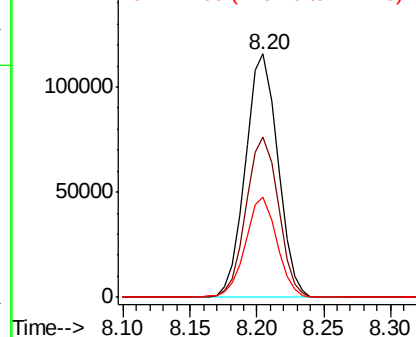
#13
 1,4-Dichlorobenzene
 Concen: 40.395 ng
 RT: 8.20 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)MSD

Tgt Ion:146 Resp: 193903
 Ion Ratio Lower Upper
 146 100
 148 65.8 51.1 76.7
 111 41.0 32.6 48.8

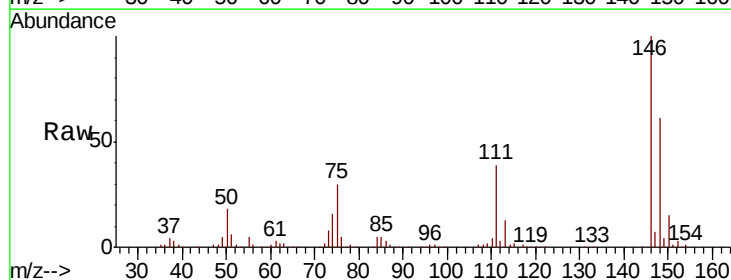


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

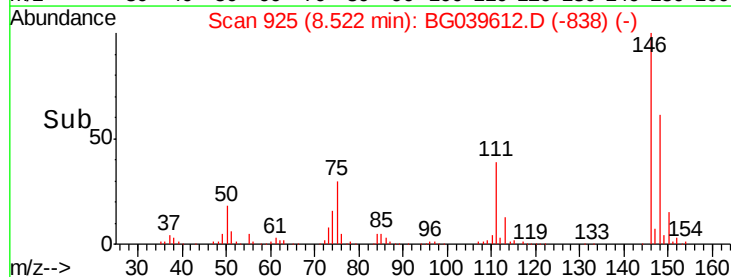
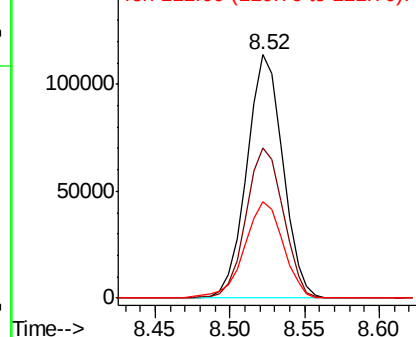


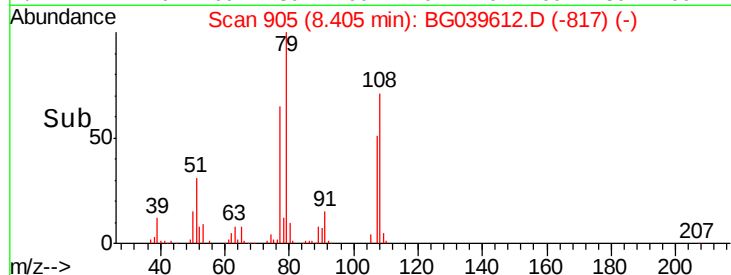
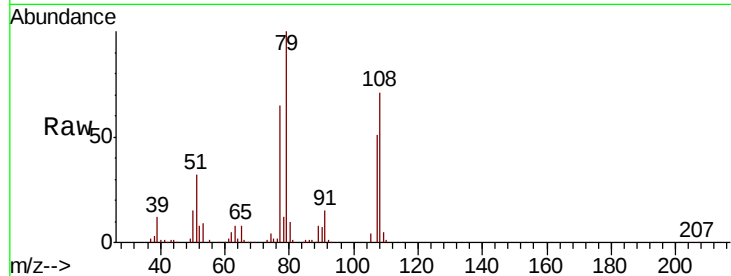
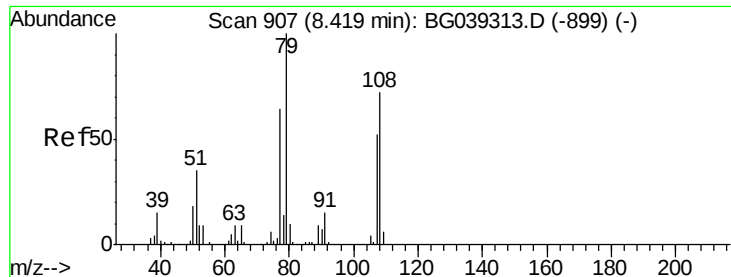
#14
 1,2-Dichlorobenzene
 Concen: 40.822 ng
 RT: 8.52 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Tgt Ion:146 Resp: 189699
 Ion Ratio Lower Upper
 146 100
 148 61.5 51.5 77.3
 111 39.5 33.8 50.6



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.772 ng

RT: 8.40 min Scan# 905

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

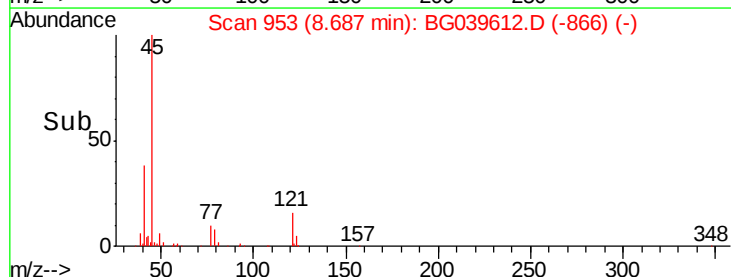
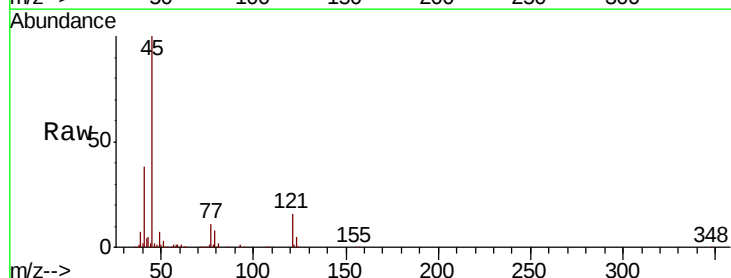
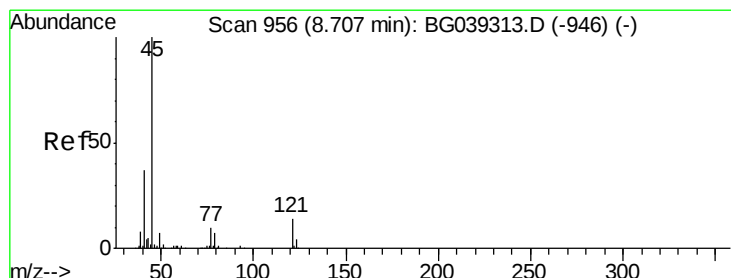
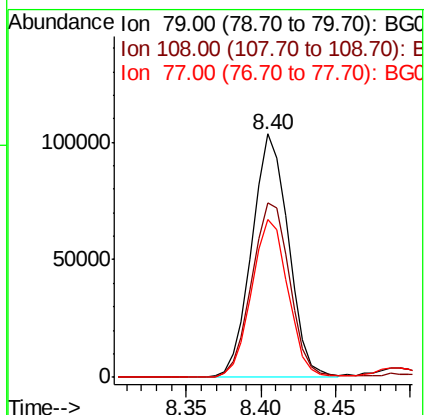
Tgt Ion: 79 Resp: 175565

Ion Ratio Lower Upper

79 100

108 71.4 57.8 86.6

77 64.7 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.050 ng

RT: 8.69 min Scan# 953

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

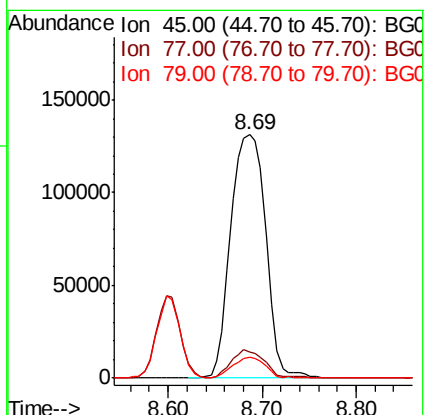
Tgt Ion: 45 Resp: 339072

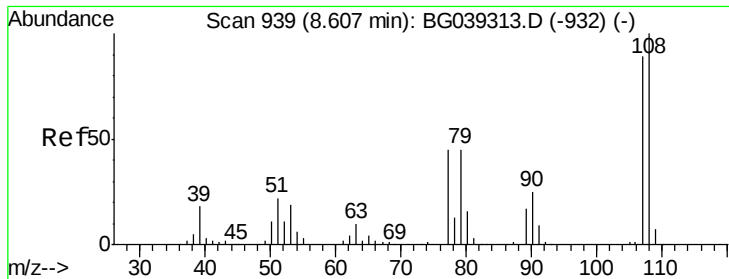
Ion Ratio Lower Upper

45 100

77 10.9 0.0 30.0

79 8.4 0.0 27.5

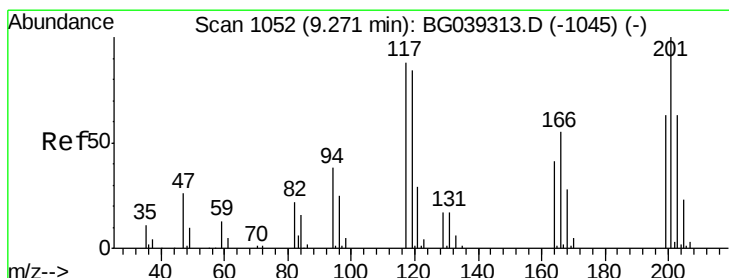
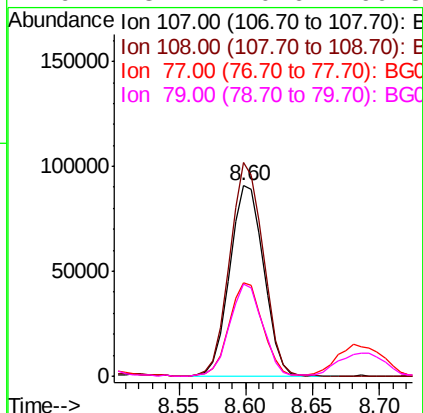
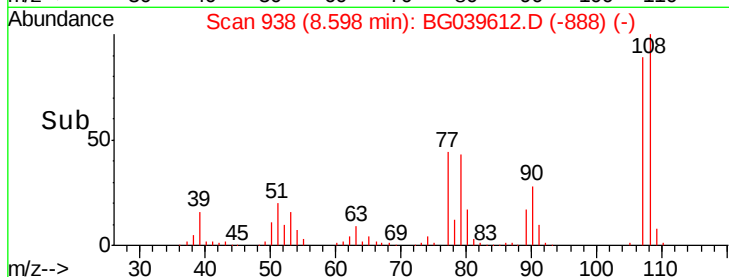
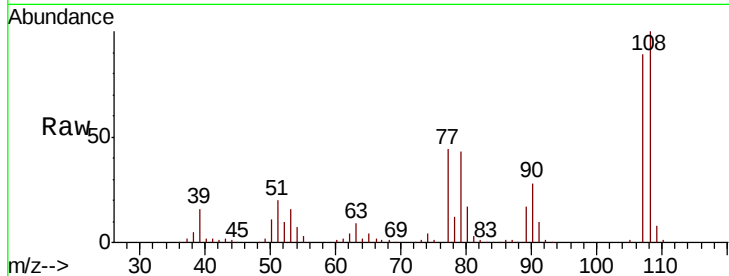




#17
2-Methylphenol
Concen: 44.763 ng
RT: 8.60 min Scan# 938
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

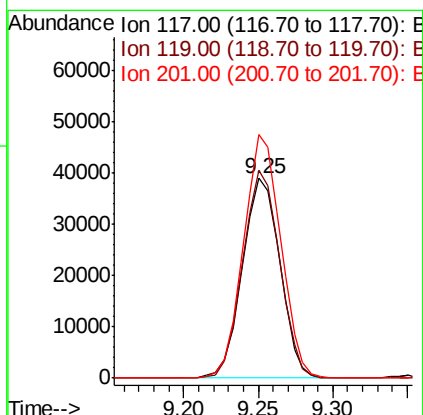
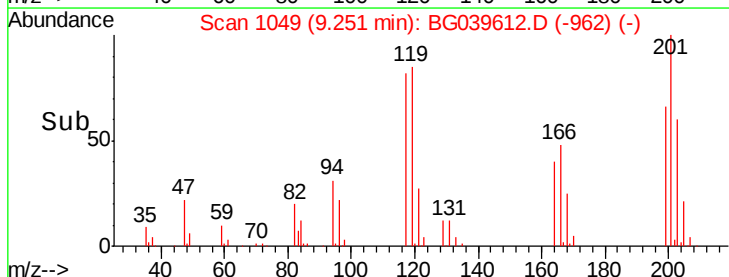
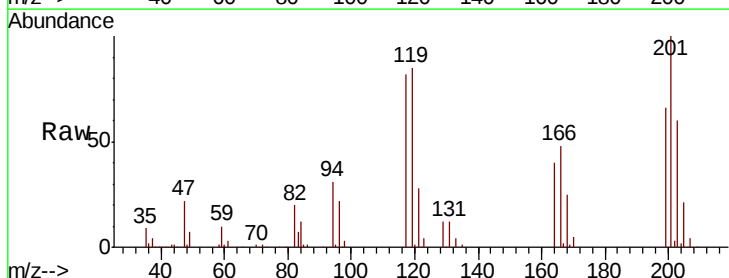
Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

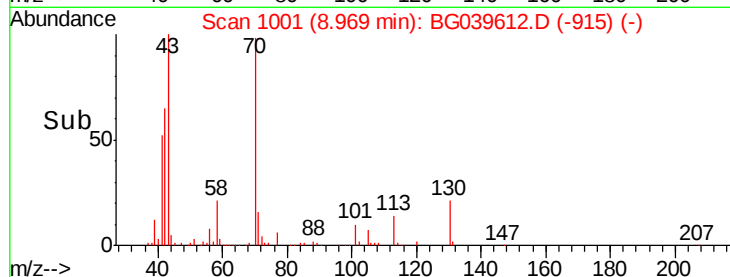
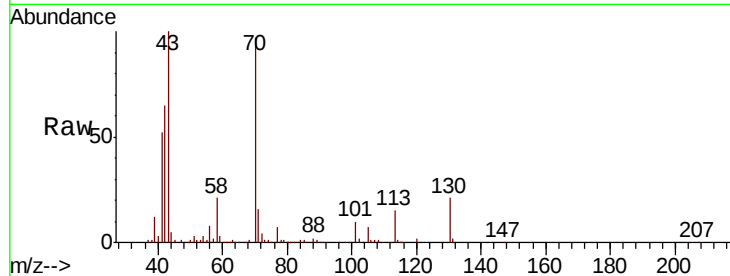
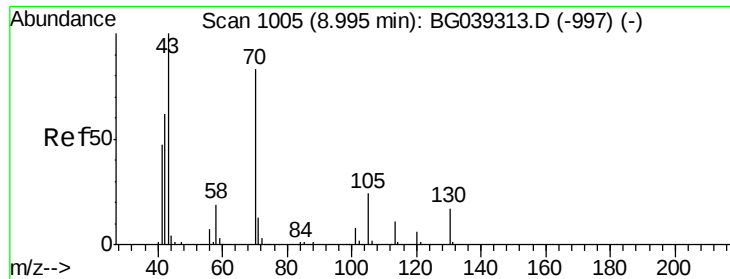
Tgt Ion:	107	Resp:	161654
Ion	Ratio	Lower	Upper
107	100		
108	112.3	90.8	136.2
77	48.9	40.7	61.1
79	48.7	40.6	60.8



#18
Hexachloroethane
Concen: 41.145 ng
RT: 9.25 min Scan# 1049
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:	117	Resp:	67949
Ion	Ratio	Lower	Upper
117	100		
119	104.0	76.3	114.5
201	121.8	91.1	136.7

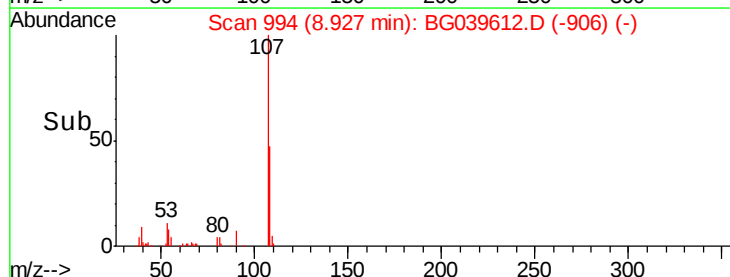
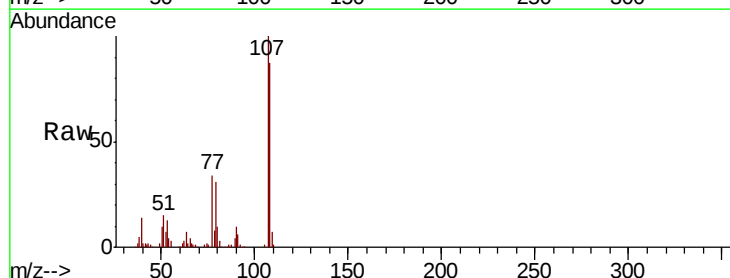
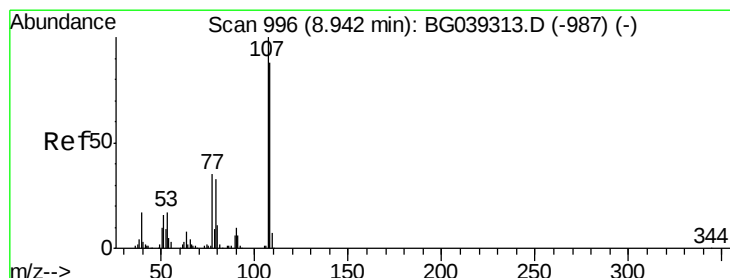
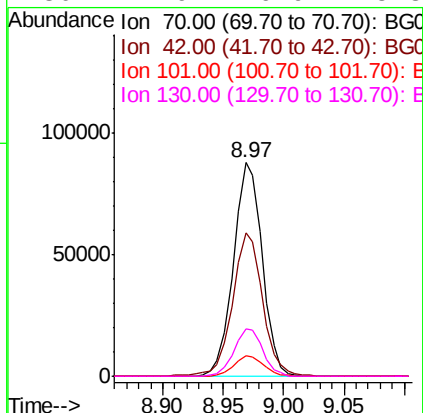




#19
n-Nitroso-di-n-propylamine
Concen: 38.343 ng
RT: 8.97 min Scan# 1001
Delta R.T. -0.03 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

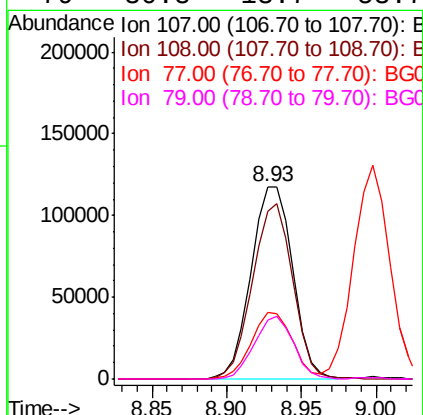
Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

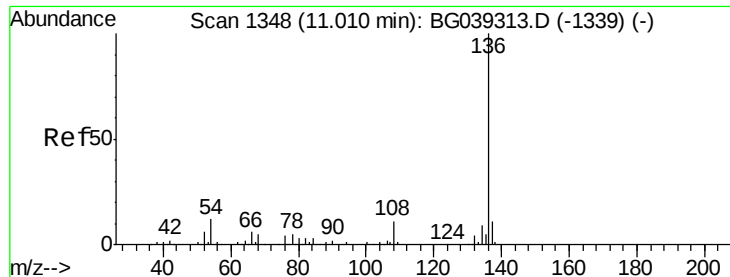
Tgt Ion:	70	Resp:	145690
Ion	Ratio	Lower	Upper
70	100		
42	67.1	60.4	90.6
101	9.9	7.5	11.3
130	21.9	16.9	25.3



#20
3+4-Methylphenols
Concen: 45.631 ng
RT: 8.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:	107	Resp:	226921
Ion	Ratio	Lower	Upper
107	100		
108	87.2	67.9	107.9
77	34.3	15.4	55.4
79	30.8	13.7	53.7

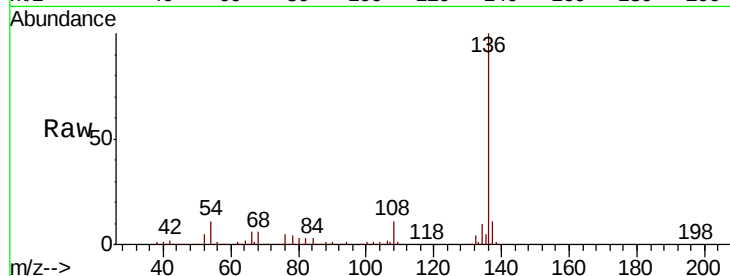




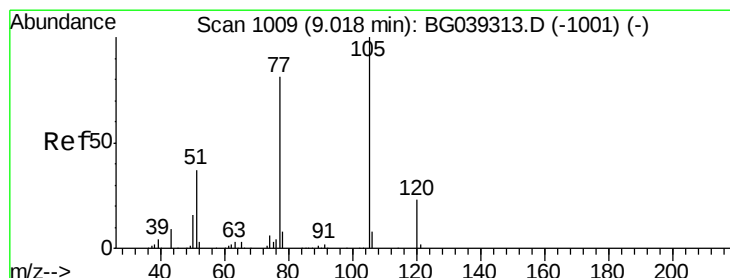
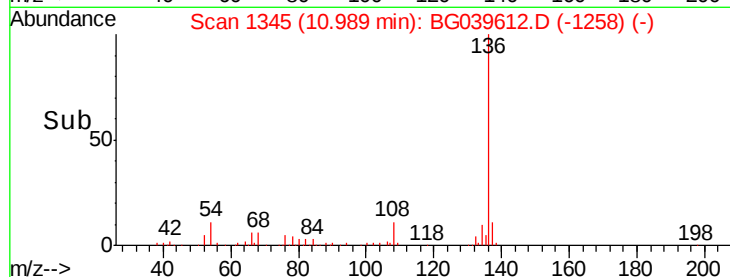
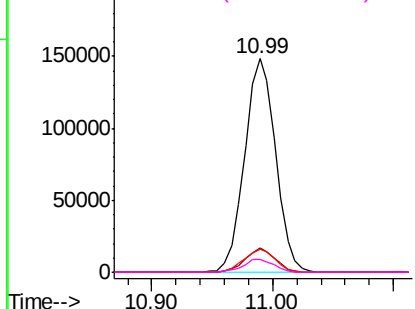
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion:	136	Resp:	265299
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.7	9.4	14.2
68	6.0	4.2	6.4

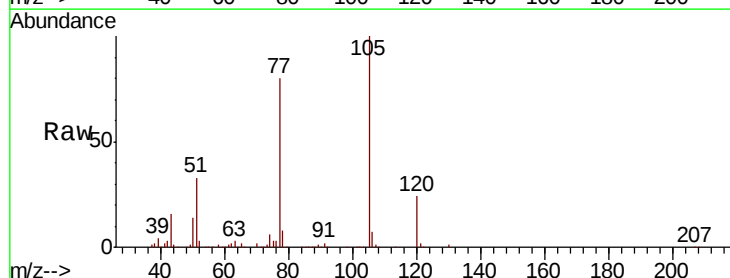


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

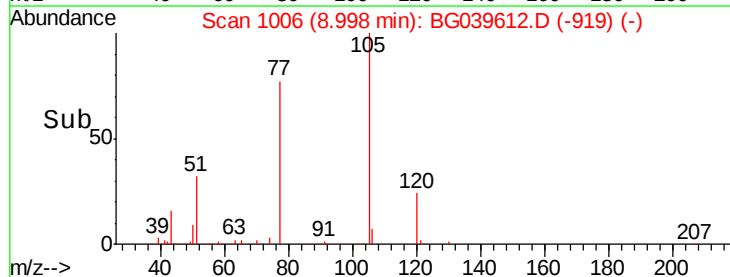
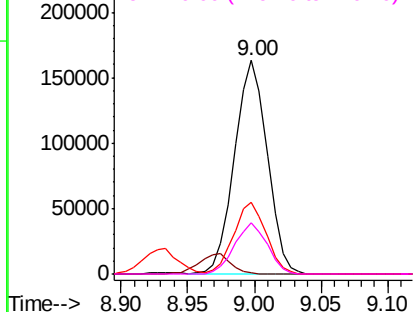


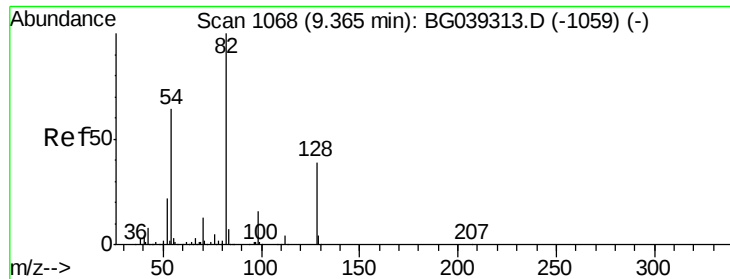
#22
Acetophenone
Concen: 38.985 ng
RT: 9.00 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:	105	Resp:	277825
Ion	Ratio	Lower	Upper
105	100		
71	0.4	0.8	1.2#
51	33.3	30.2	45.2
120	24.0	18.0	27.0



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

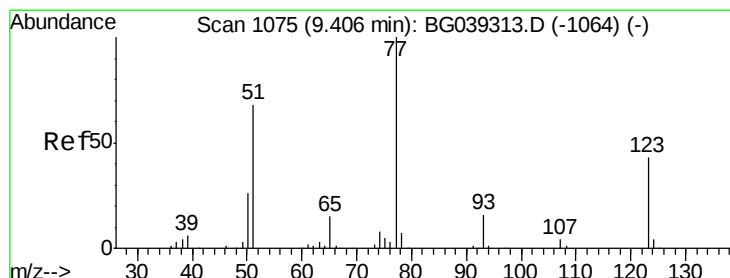
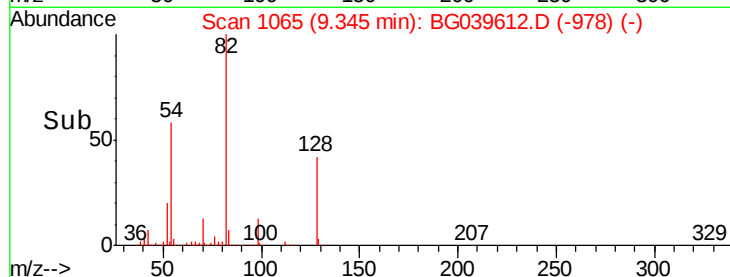
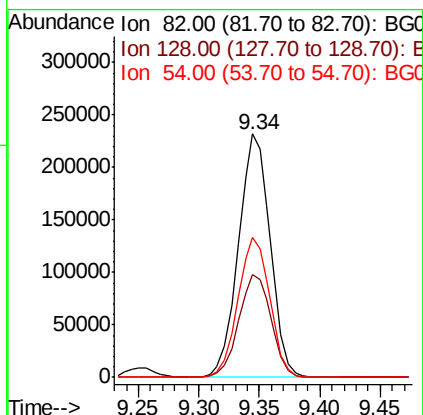
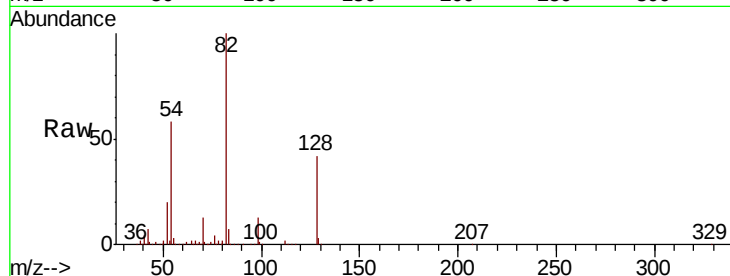




#23
 Nitrobenzene-d5
 Concen: 99.592 ng
 RT: 9.34 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

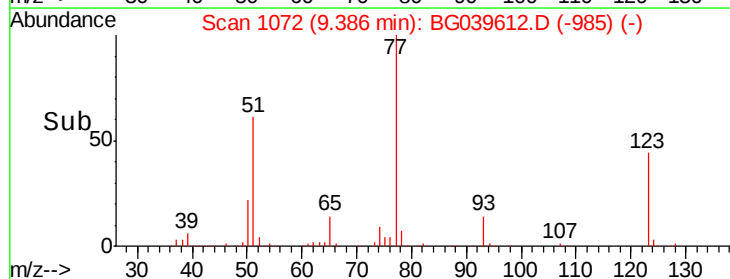
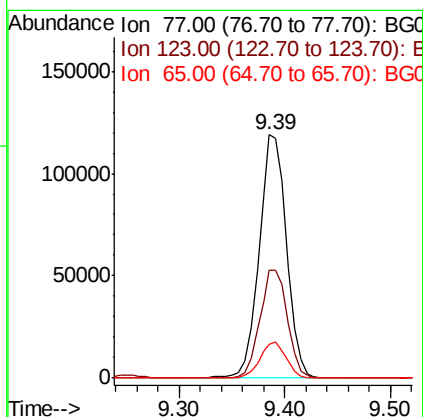
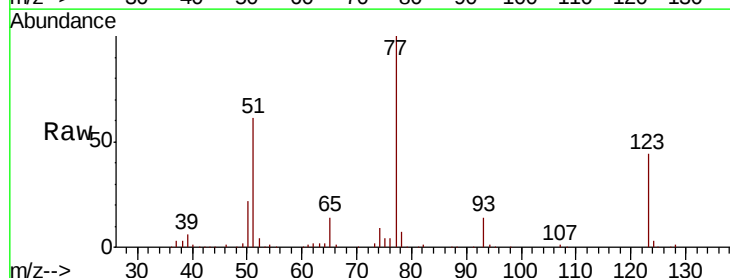
Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.4	31.3	46.9
54	57.5	50.9	76.3



#24
 Nitrobenzene
 Concen: 46.491 ng
 RT: 9.39 min Scan# 1072
 Delta R.T. -0.02 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.4	34.1	51.1
65	13.8	12.3	18.5





#25

Isophorone

Concen: 43.930 ng

RT: 9.90 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

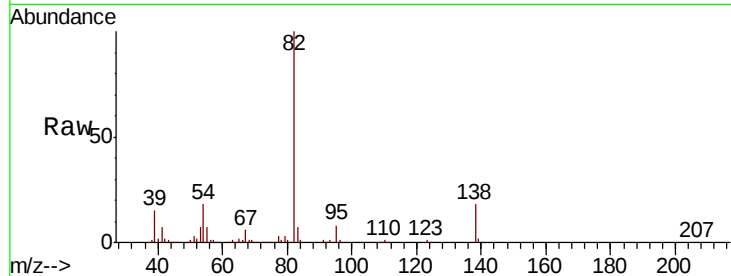
Tgt Ion: 82 Resp: 413408

Ion Ratio Lower Upper

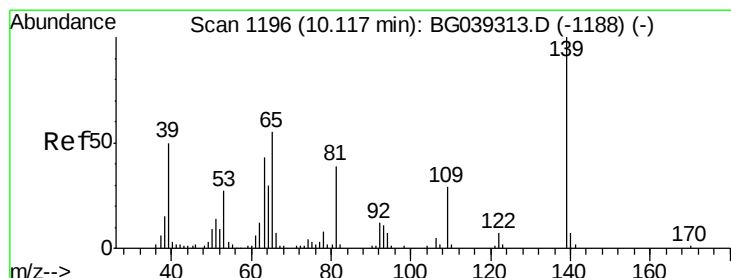
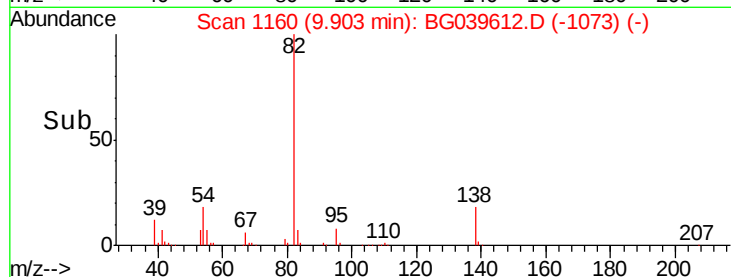
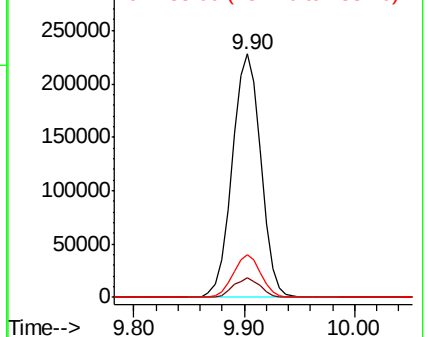
82 100

95 7.9 6.2 9.2

138 17.7 13.0 19.4



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 57.056 ng

RT: 10.10 min Scan# 1193

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

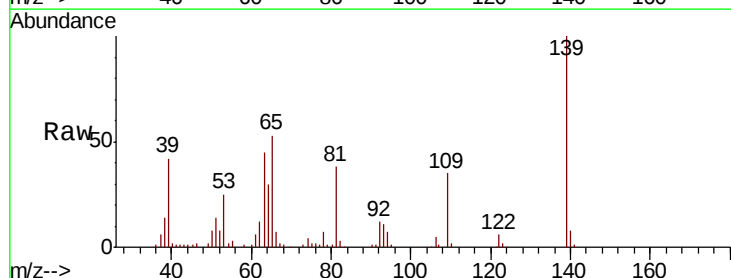
Tgt Ion: 139 Resp: 108857

Ion Ratio Lower Upper

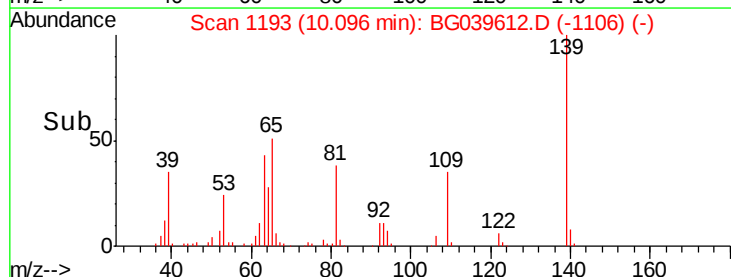
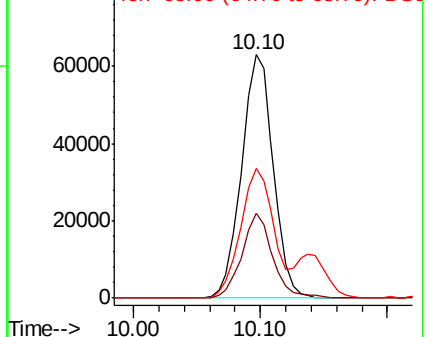
139 100

109 34.8 23.4 35.0

65 53.4 44.3 66.5



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

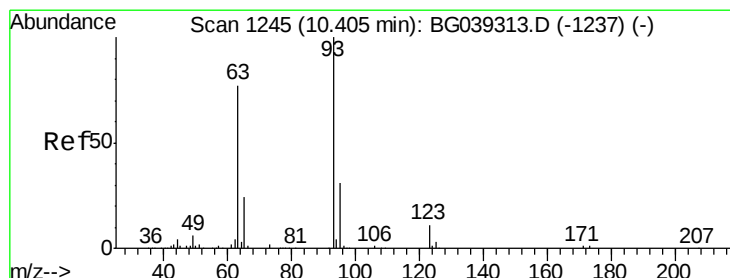
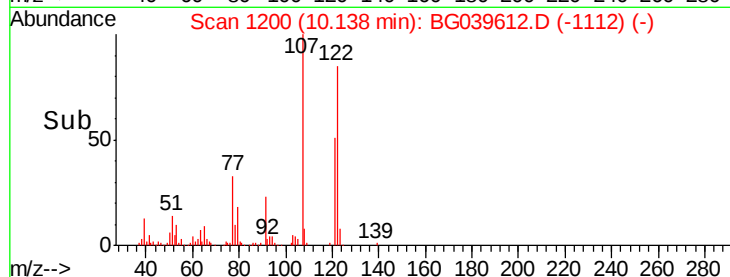
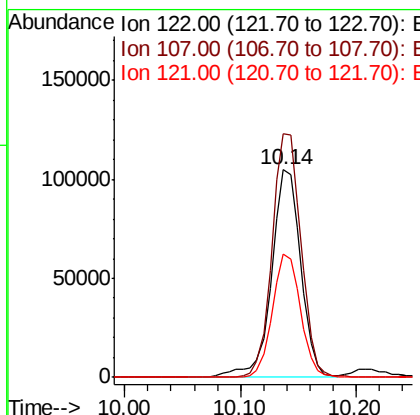
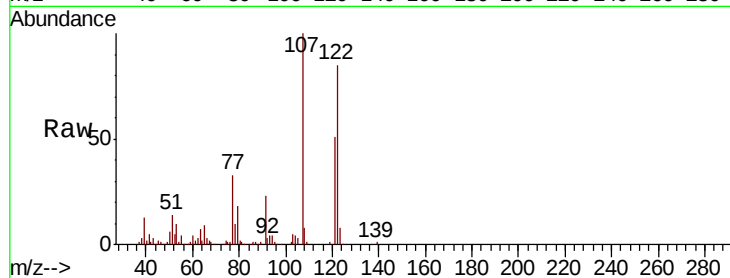




#27
2,4-Dimethylphenol
Concen: 48.579 ng
RT: 10.14 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

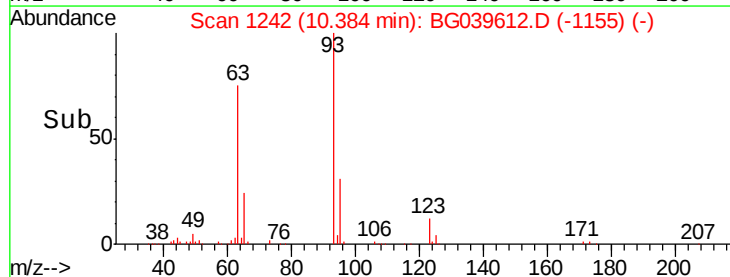
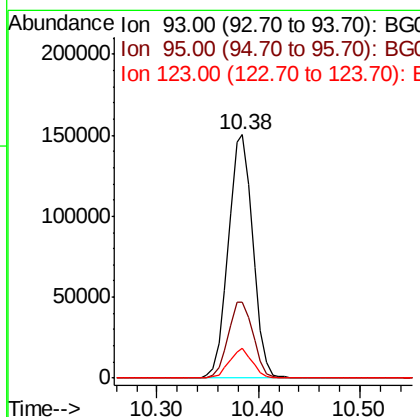
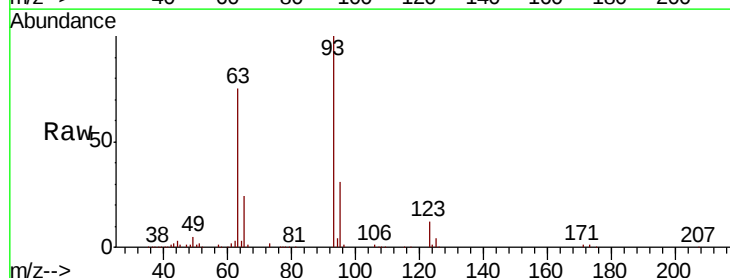
Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.5	91.7	137.5
121	59.5	46.4	69.6



#28
bis(2-Chloroethoxy)methane
Concen: 43.381 ng
RT: 10.38 min Scan# 1242
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.1	25.0	37.4
123	12.2	8.6	12.8

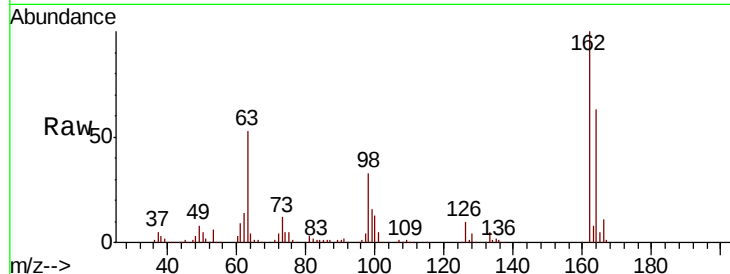




#29
2,4-Dichlorophenol
Concen: 48.599 ng
RT: 10.63 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.6	48.1	88.1
98	32.6	18.1	58.1

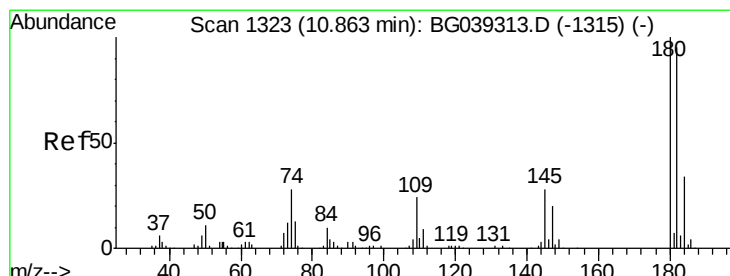
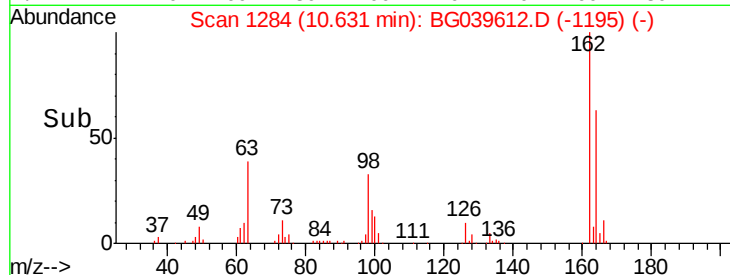
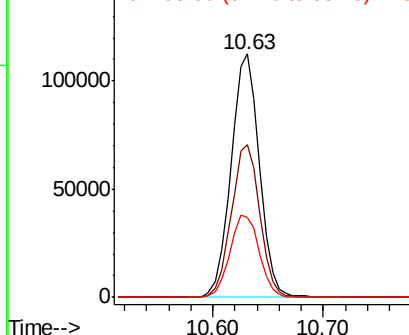


Abundance

Ion 162.00 (161.70 to 162.70): E

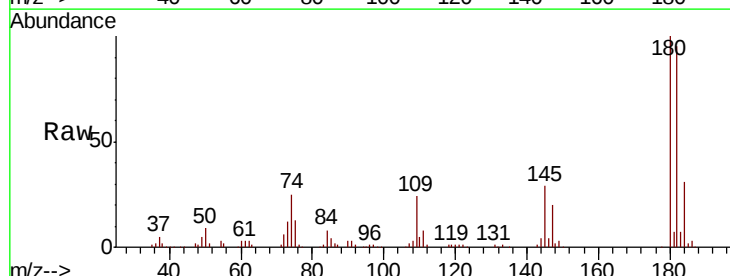
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30
1,2,4-Trichlorobenzene
Concen: 43.661 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
145	28.7	22.7	34.1

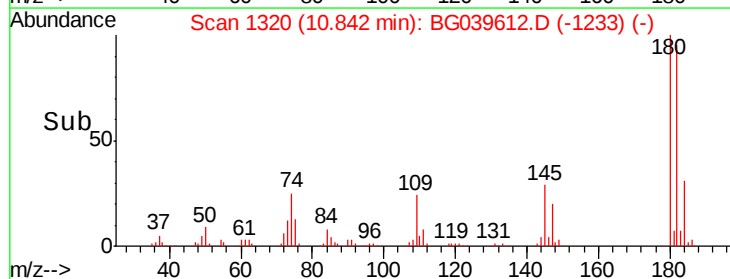
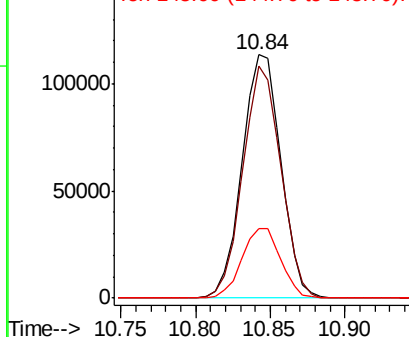


Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

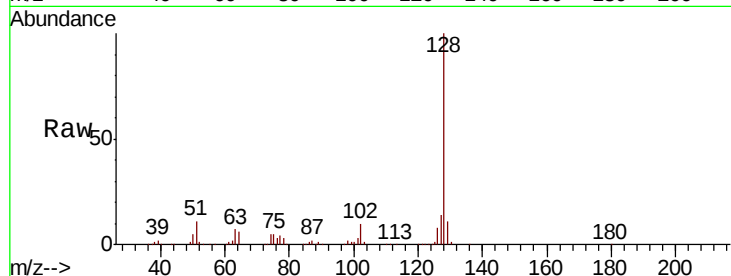




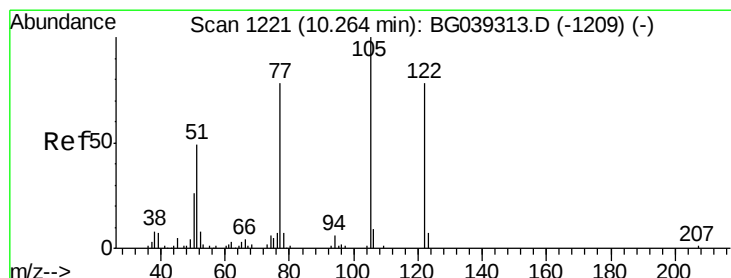
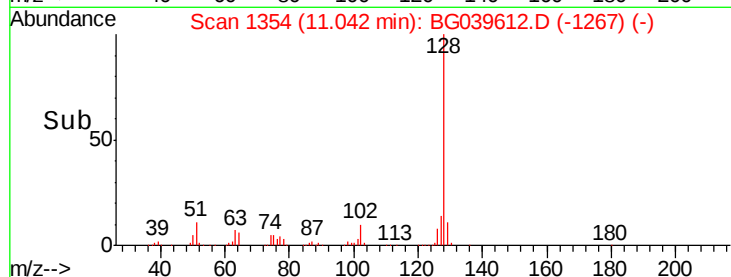
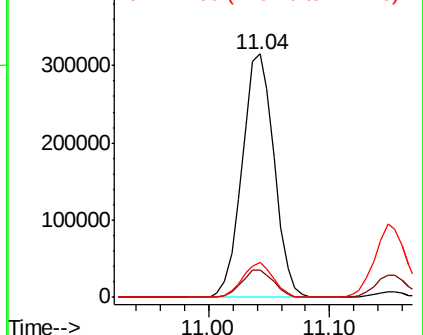
#31
Naphthalene
Concen: 44.134 ng
RT: 11.04 min Scan# 1354
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion:128 Resp: 580864
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 14.5 10.8 16.2

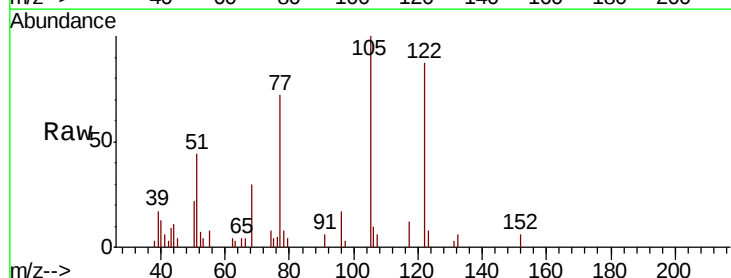


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

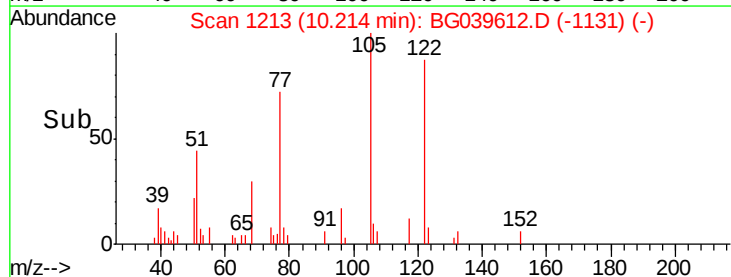
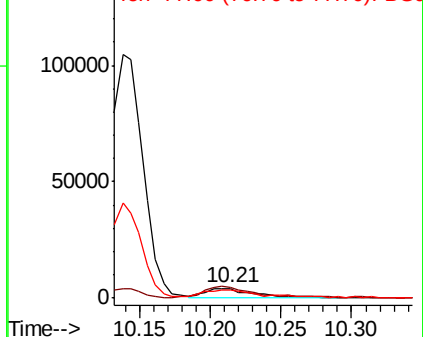


#32
Benzoic acid
Concen: 12.296 ng
RT: 10.21 min Scan# 1213
Delta R.T. -0.05 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:122 Resp: 10053
Ion Ratio Lower Upper
122 100
105 114.4 101.8 141.8
77 82.0 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): BGO

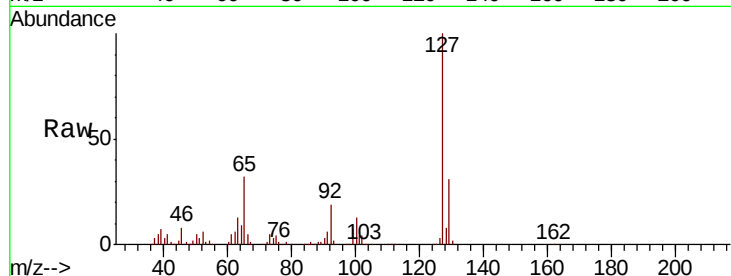




#33
4-Chloroaniline
Concen: 28.076 ng
RT: 11.15 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion:	127	Resp:	171333
Ion	Ratio	Lower	Upper
127	100		
129	30.9	27.0	40.4
65	32.0	28.8	43.2
92	18.8	16.6	25.0



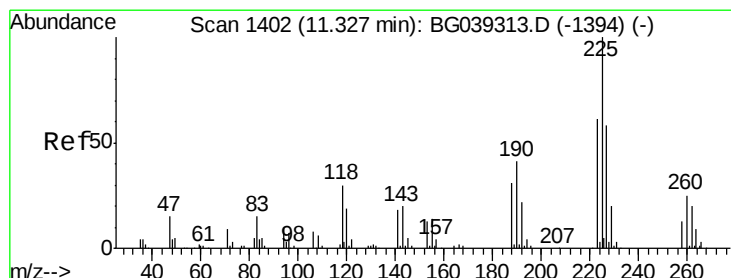
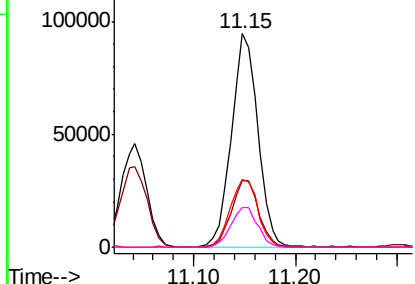
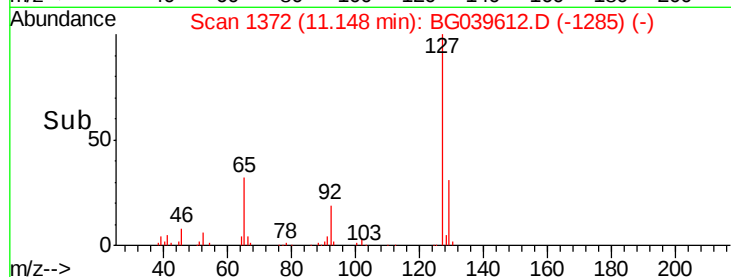
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

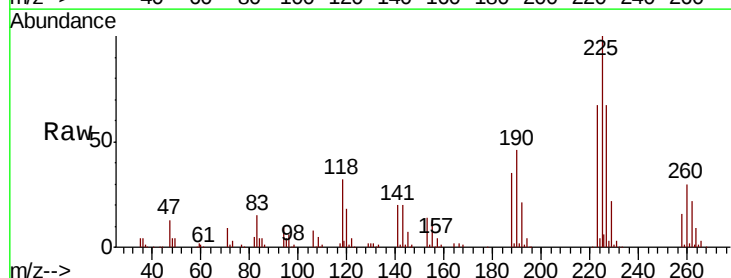
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 42.103 ng
RT: 11.30 min Scan# 1398
Delta R.T. -0.03 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:	225	Resp:	130792
Ion	Ratio	Lower	Upper
225	100		
223	67.0	49.0	73.6
227	67.1	46.3	69.5

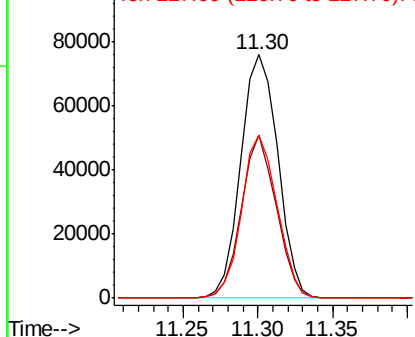
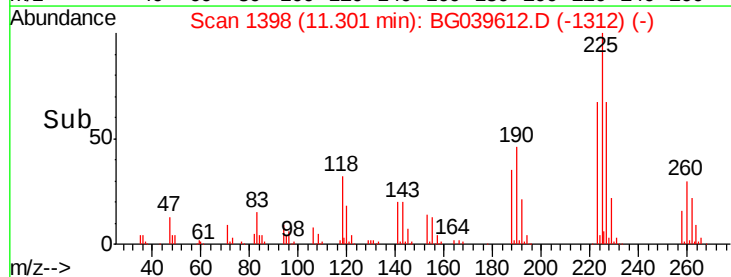


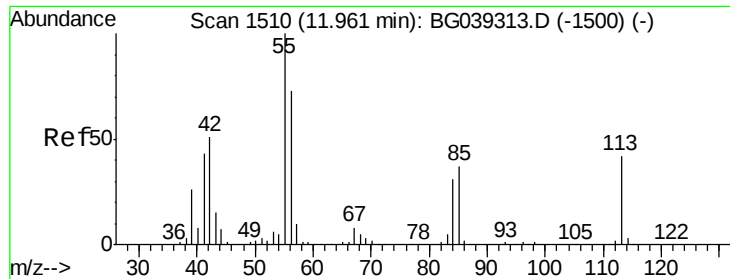
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

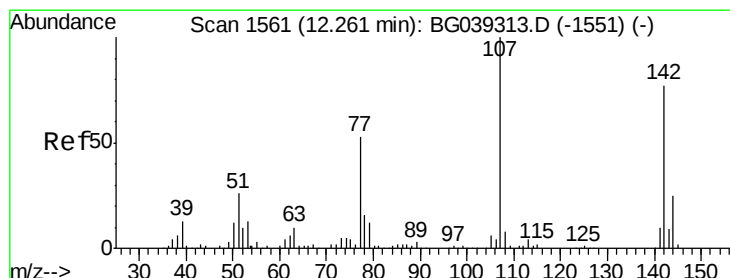
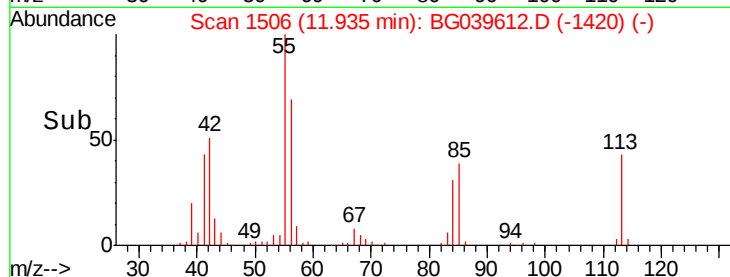
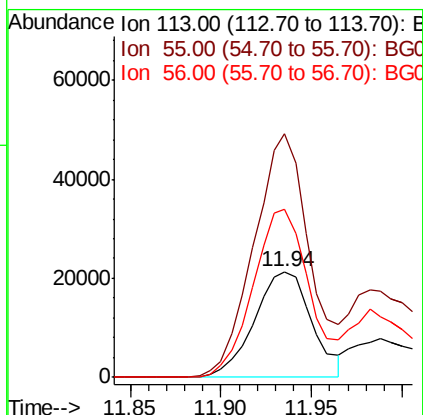
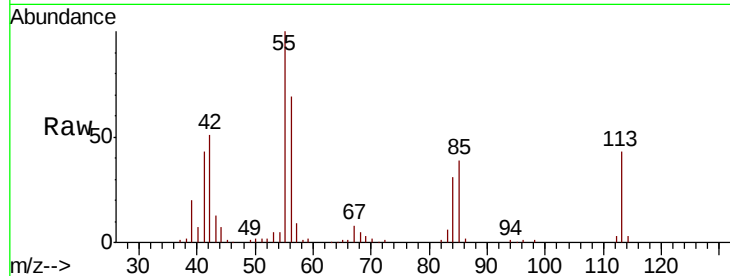




#35
 Caprolactam
 Concen: 27.187 ng
 RT: 11.94 min Scan# 1506
 Delta R.T. -0.03 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

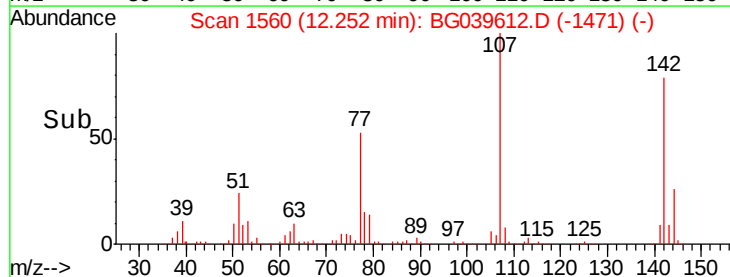
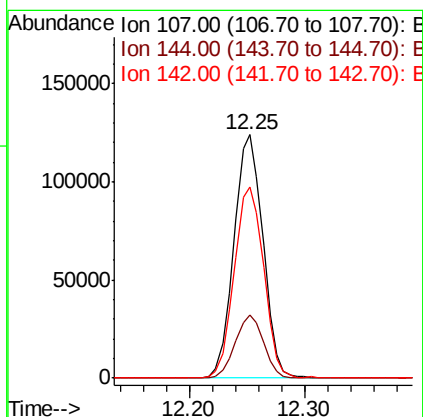
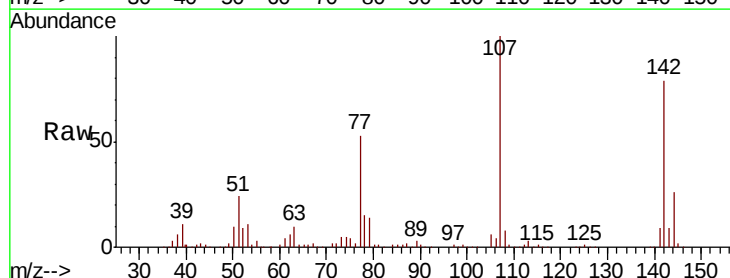
Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)MSD

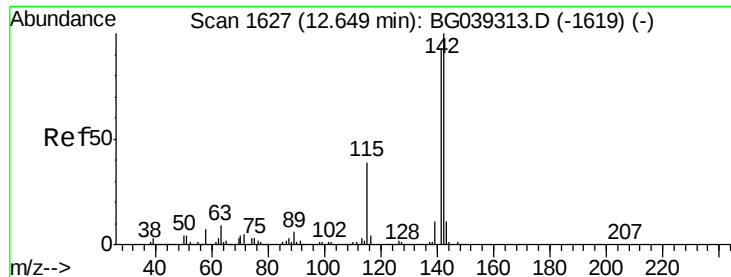
Tgt Ion:113 Resp: 46808
 Ion Ratio Lower Upper
 113 100
 55 230.3 216.9 256.9
 56 158.5 152.6 192.6



#36
 4-Chloro-3-methylphenol
 Concen: 44.860 ng
 RT: 12.25 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Tgt Ion:107 Resp: 215855
 Ion Ratio Lower Upper
 107 100
 144 25.9 20.2 30.2
 142 78.6 61.4 92.2

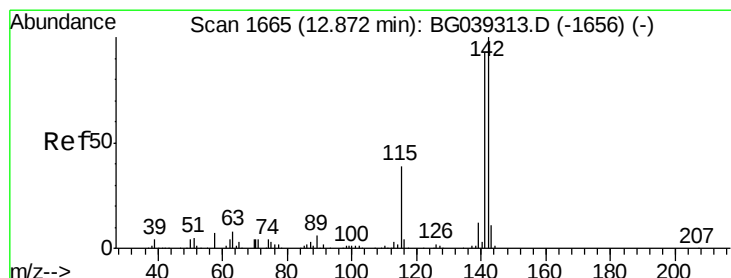
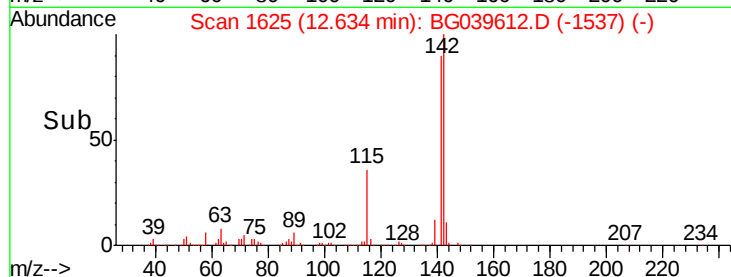
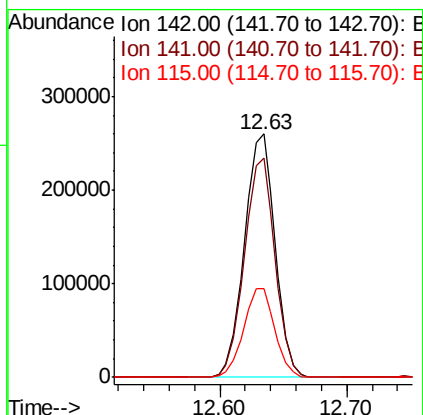
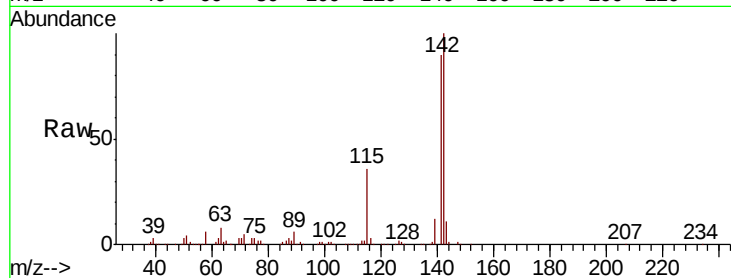




#37
2-Methylnaphthalene
Concen: 44.800 ng
RT: 12.63 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

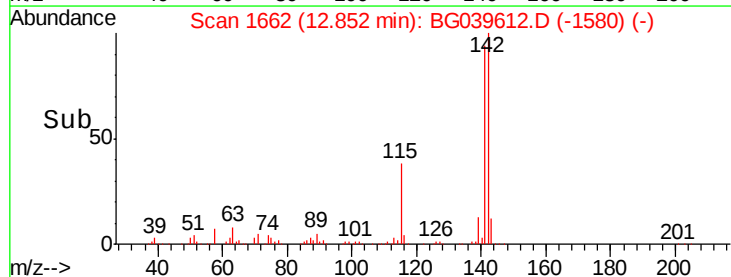
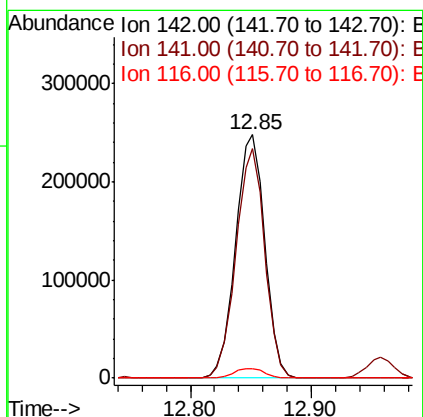
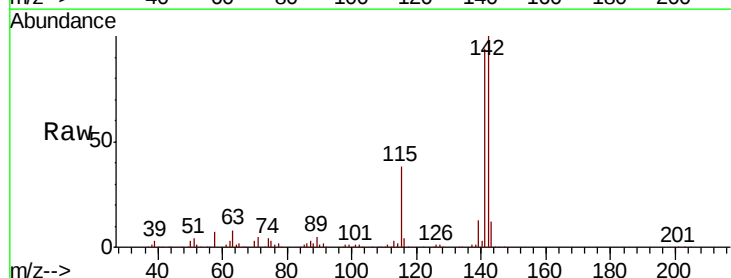
Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

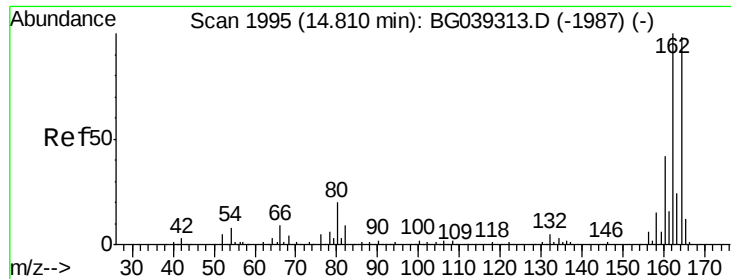
Tgt Ion:142 Resp: 436708
Ion Ratio Lower Upper
142 100
141 90.0 73.5 110.3
115 36.5 30.8 46.2



#38
1-Methylnaphthalene
Concen: 44.543 ng
RT: 12.85 min Scan# 1662
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:142 Resp: 418556
Ion Ratio Lower Upper
142 100
141 94.3 74.2 111.4
116 4.1 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

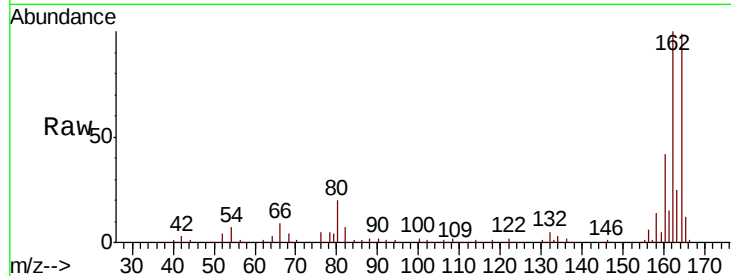
Tgt Ion:164 Resp: 178681

Ion Ratio Lower Upper

164 100

162 101.5 81.6 122.4

160 42.8 34.2 51.2

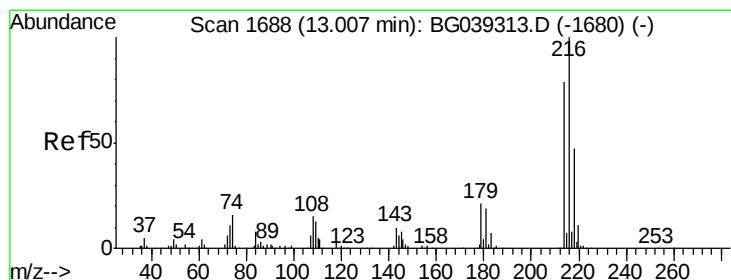
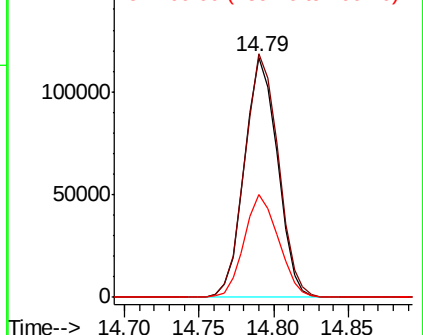
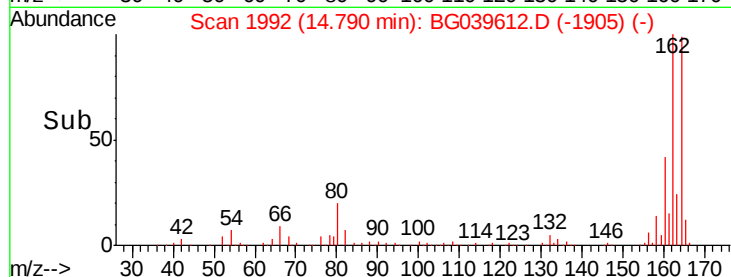


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.511 ng

RT: 12.99 min Scan# 1685

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Tgt Ion:216 Resp: 241680

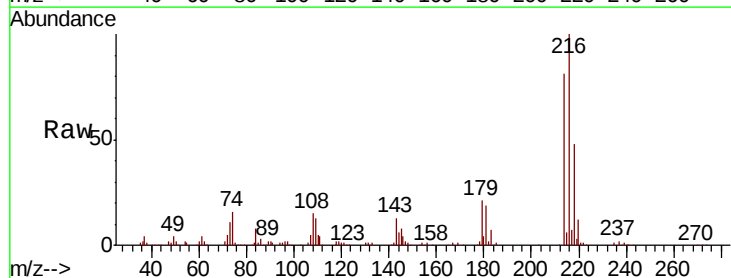
Ion Ratio Lower Upper

216 100

214 80.2 62.6 94.0

179 21.1 16.6 25.0

108 18.0 14.0 21.0



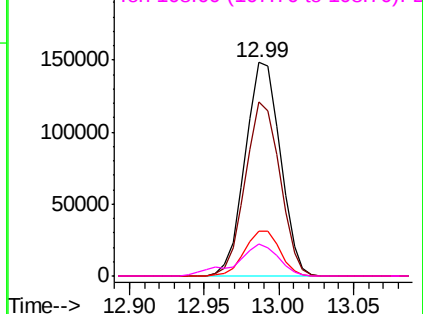
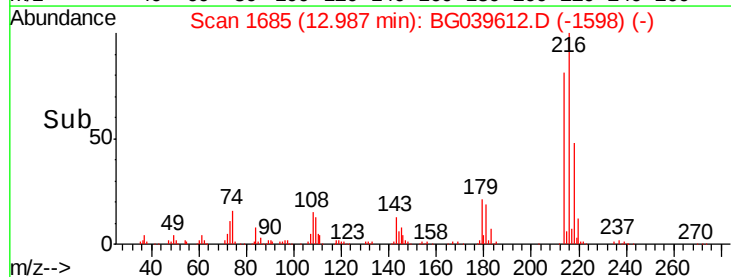
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 96.234 ng

RT: 12.96 min Scan# 1680

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

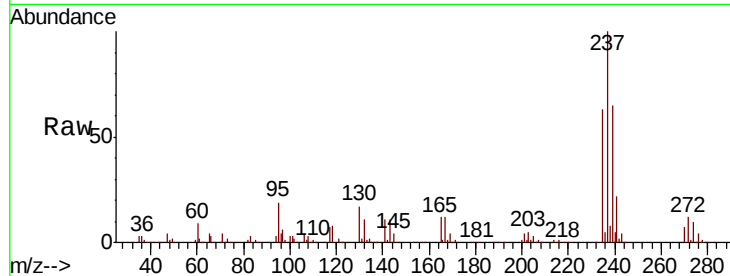
Tgt Ion: 237 Resp: 298125

Ion Ratio Lower Upper

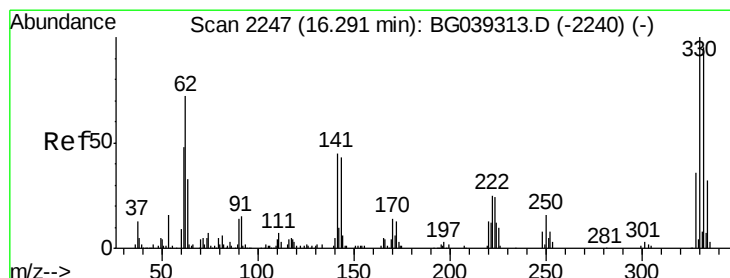
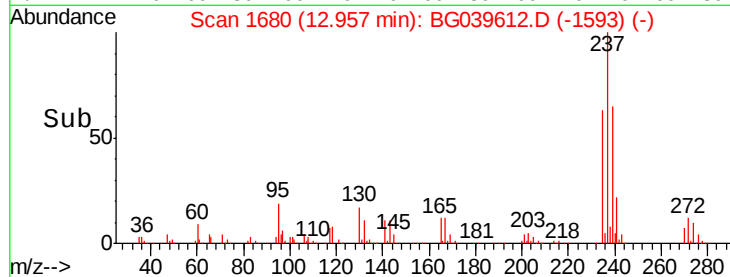
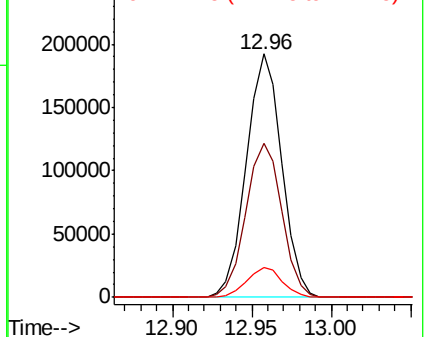
237 100

235 63.3 43.3 83.3

272 12.3 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 146.718 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

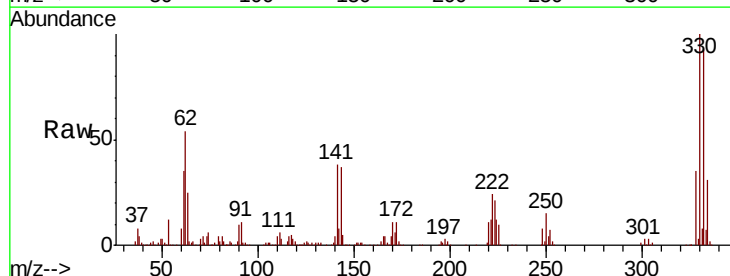
Tgt Ion: 330 Resp: 282299

Ion Ratio Lower Upper

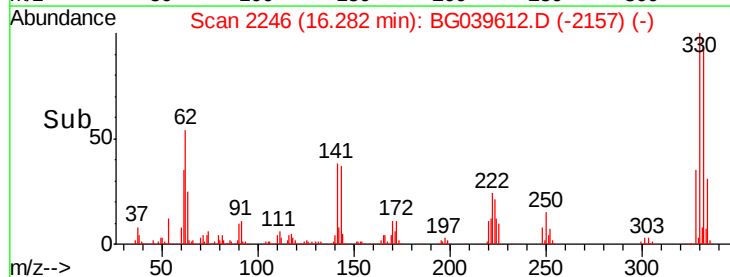
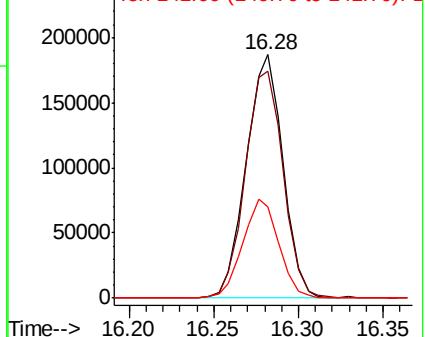
330 100

332 96.4 75.7 113.5

141 40.4 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

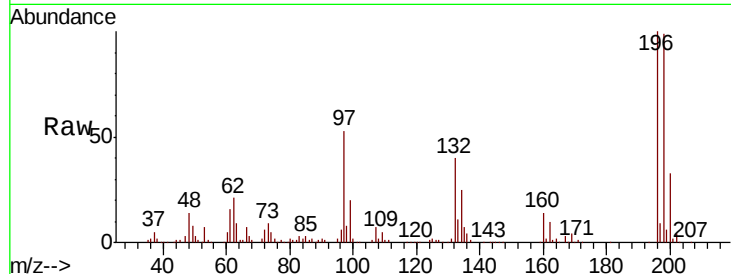




#43
 2,4,6-Trichlorophenol
 Concen: 47.605 ng
 RT: 13.23 min Scan# 1726
 Delta R.T. -0.01 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.3	80.6	121.0
200	32.6	26.1	39.1

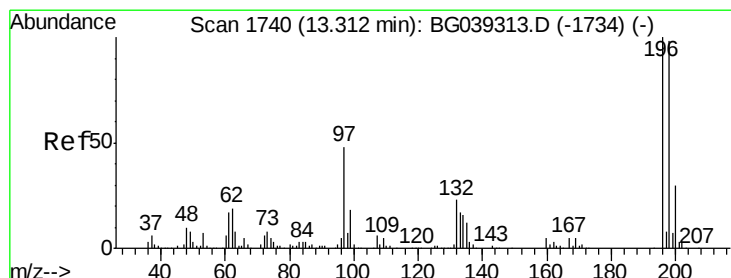
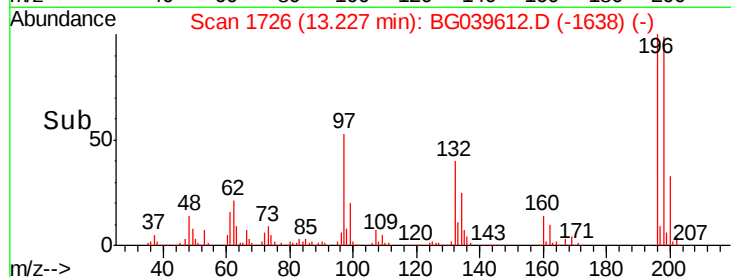
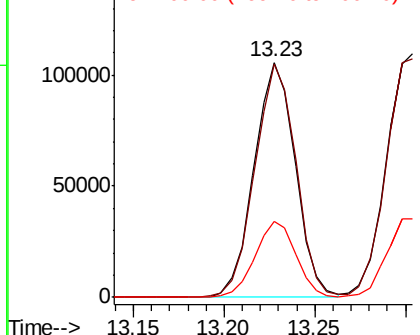


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 49.622 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.9	78.5	117.7
97	44.9	38.4	57.6
132	24.4	19.2	28.8

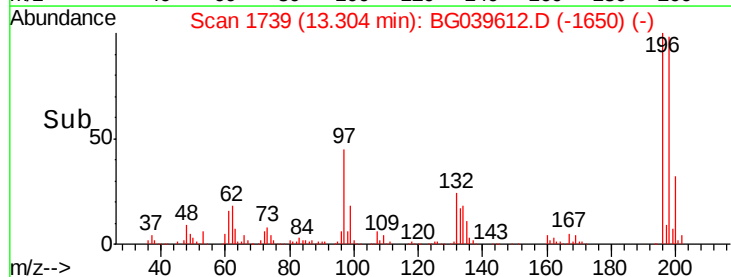
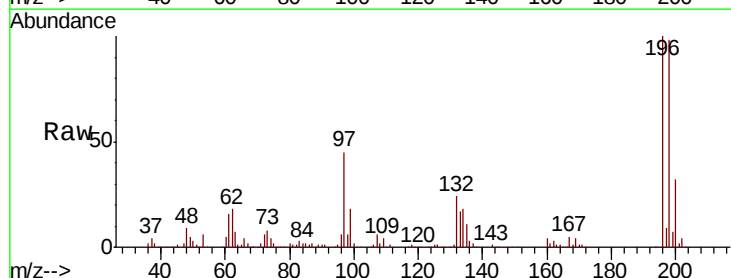
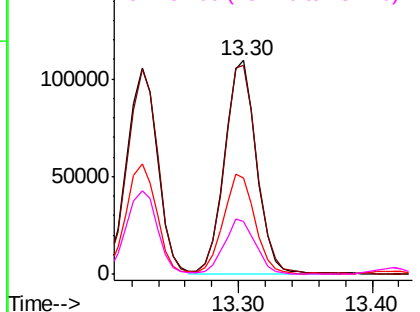
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

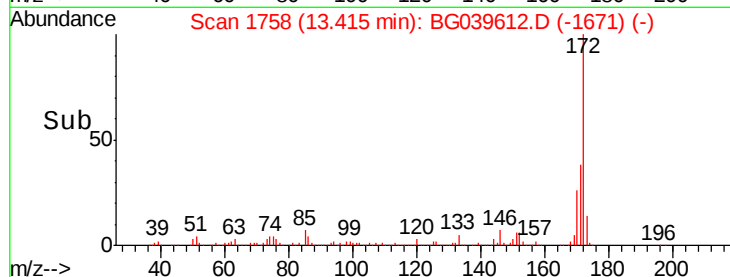
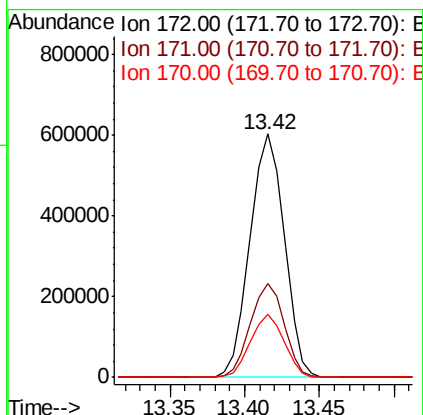
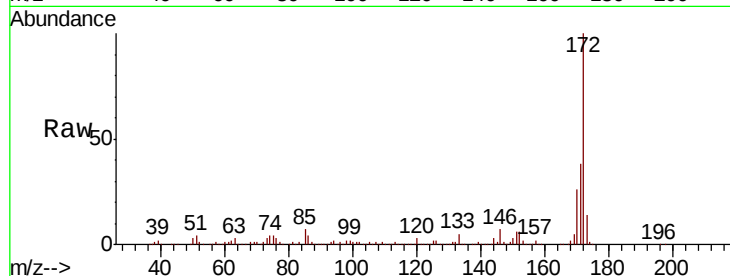




#45
2-Fluorobiphenyl
Concen: 77.126 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

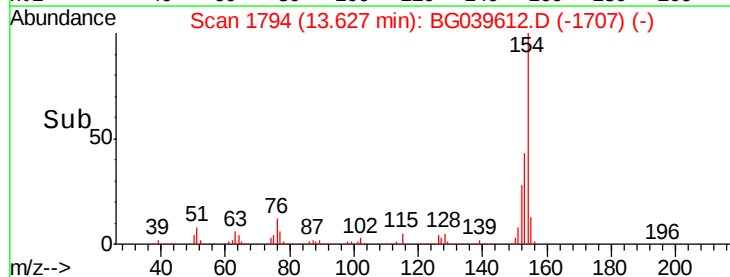
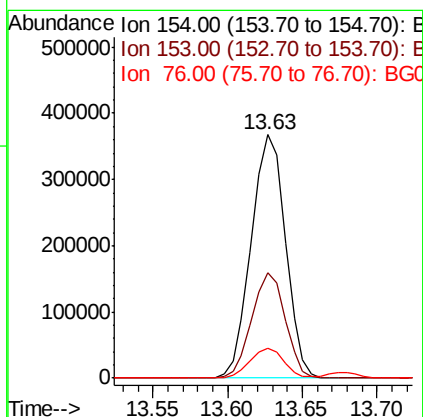
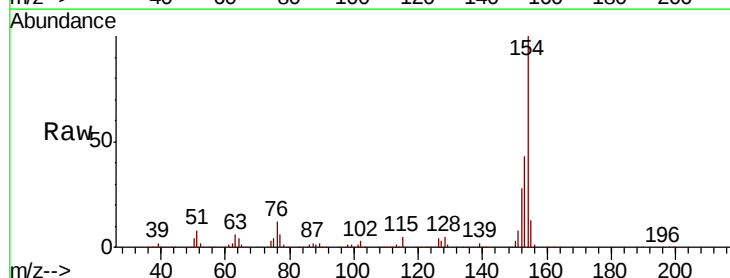
Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

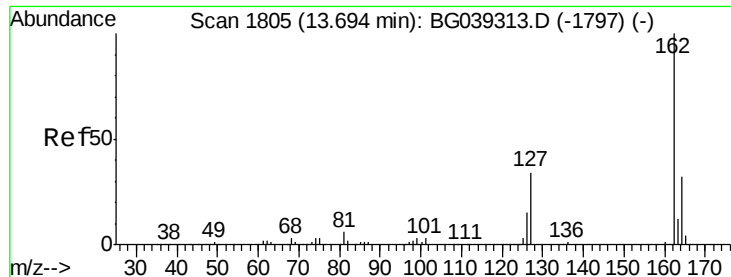
Tgt Ion:172 Resp: 960644
Ion Ratio Lower Upper
172 100
171 38.5 30.8 46.2
170 25.9 20.2 30.4



#46
1,1'-Biphenyl
Concen: 39.125 ng
RT: 13.63 min Scan# 1794
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:154 Resp: 581660
Ion Ratio Lower Upper
154 100
153 43.3 22.1 62.1
76 12.1 0.0 32.4

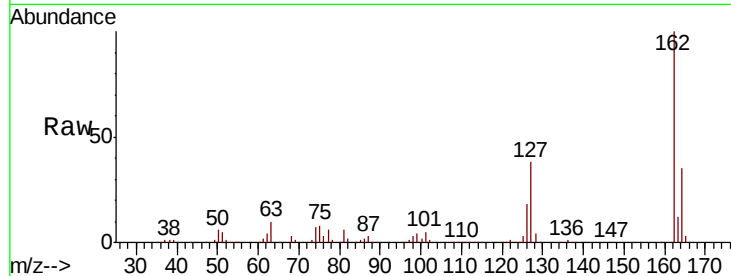




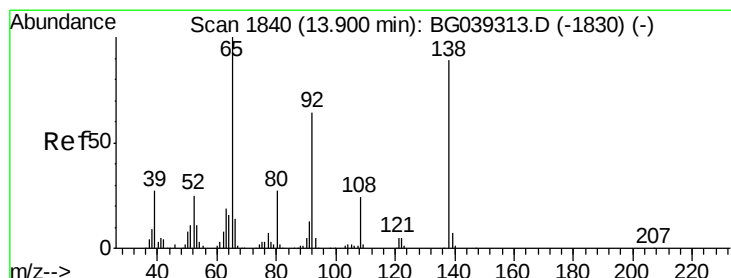
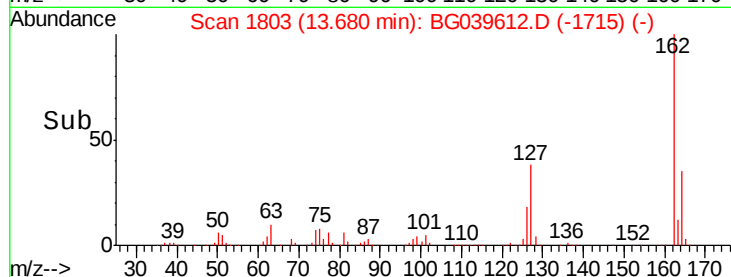
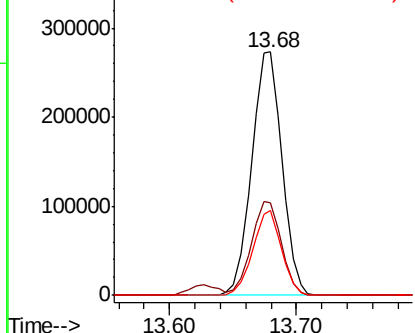
#47
2-Chloronaphthalene
Concen: 40.664 ng
RT: 13.68 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion: 162 Resp: 454785
Ion Ratio Lower Upper
162 100
127 38.3 31.0 46.6
164 35.1 25.7 38.5

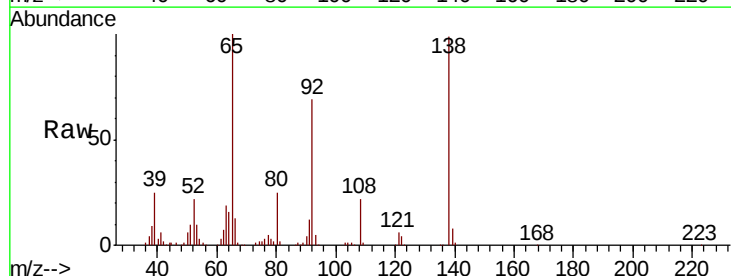


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

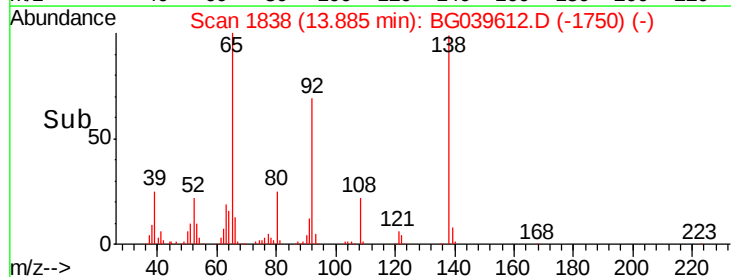
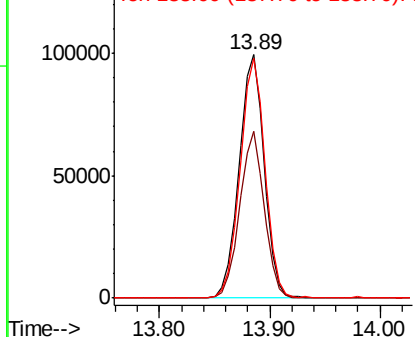


#48
2-Nitroaniline
Concen: 49.159 ng
RT: 13.89 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion: 65 Resp: 158713
Ion Ratio Lower Upper
65 100
92 68.7 51.4 77.2
138 98.7 71.4 107.2



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 42.839 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

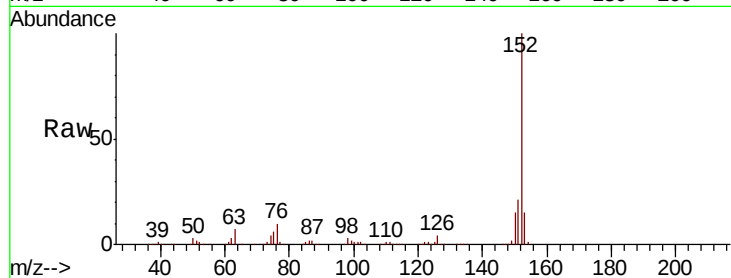
Tgt Ion:152 Resp: 722928

Ion Ratio Lower Upper

152 100

151 21.3 16.8 25.2

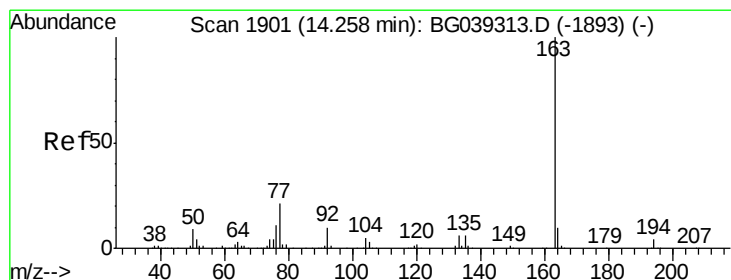
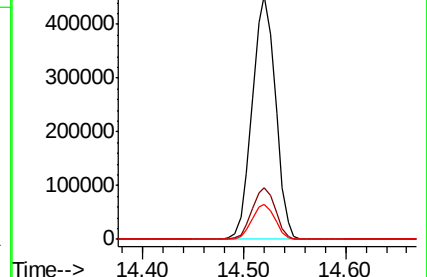
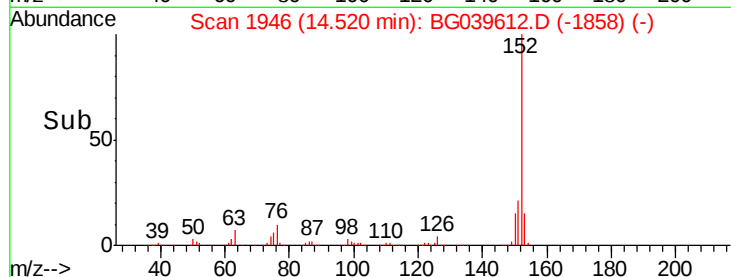
153 14.5 11.7 17.5



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



#50

Dimethylphthalate

Concen: 45.781 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

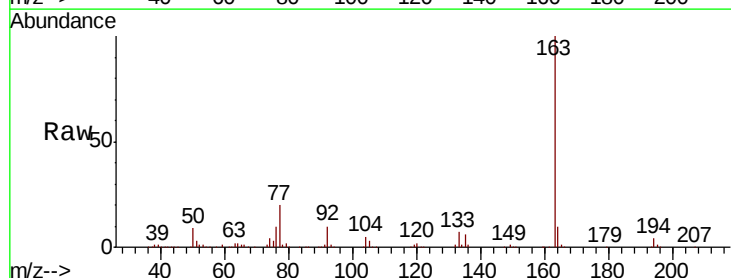
Tgt Ion:163 Resp: 660658

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

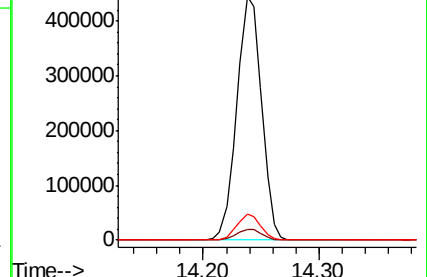
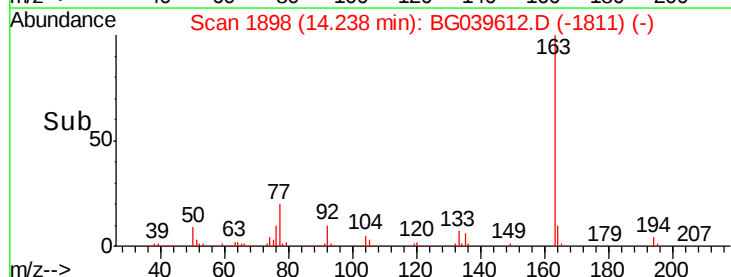
164 10.5 8.4 12.6

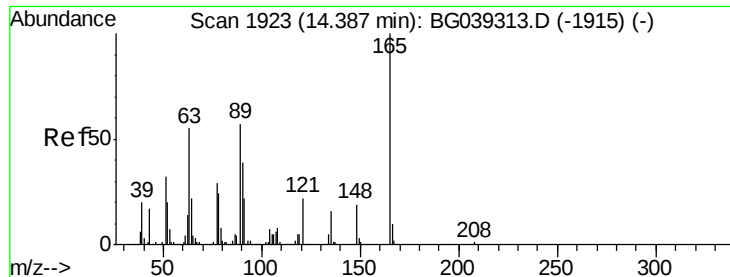


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 50.287 ng

RT: 14.37 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

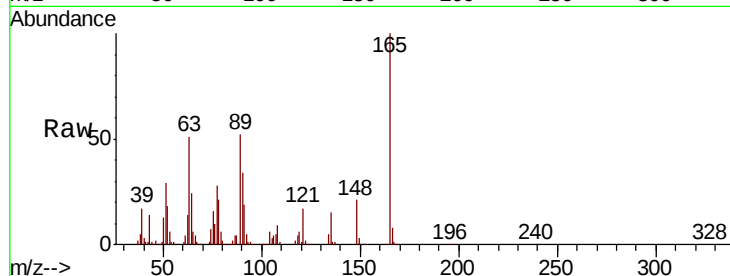
Tgt Ion:165 Resp: 136605

Ion Ratio Lower Upper

165 100

63 51.3 47.0 70.6

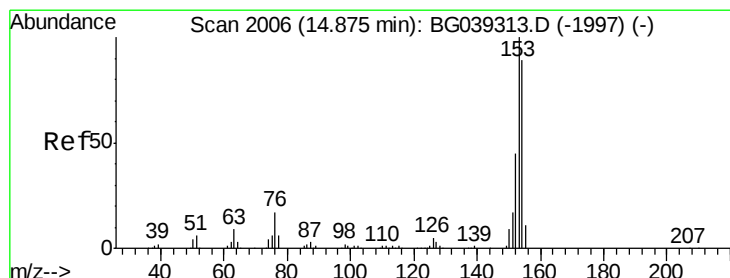
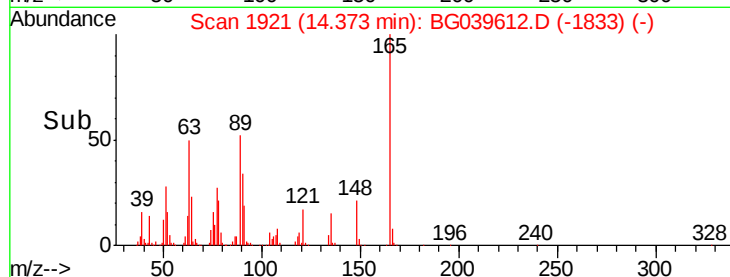
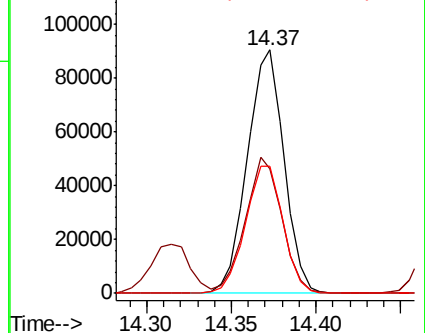
89 52.2 45.8 68.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 40.373 ng

RT: 14.85 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

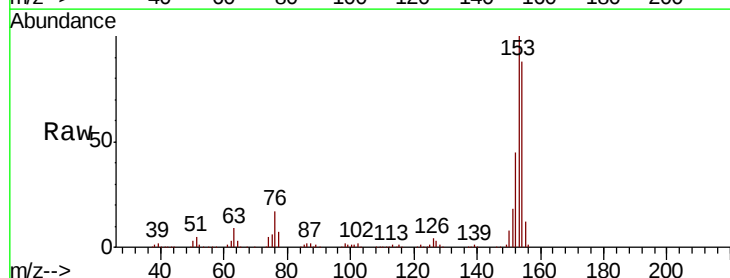
Tgt Ion:154 Resp: 442253

Ion Ratio Lower Upper

154 100

153 113.5 90.1 135.1

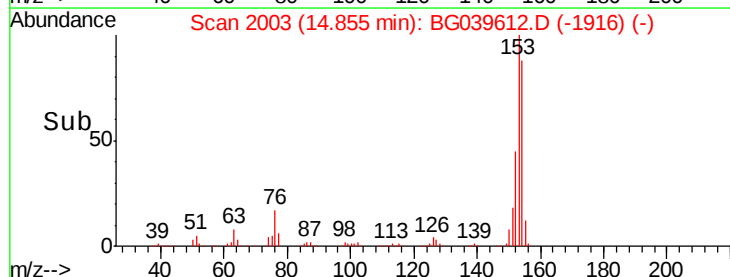
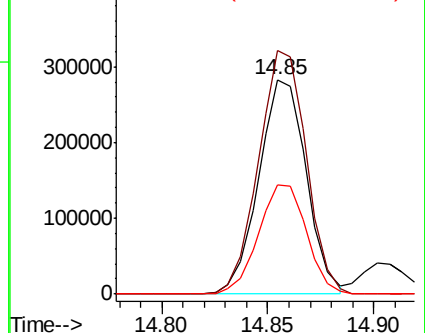
152 51.1 40.9 61.3

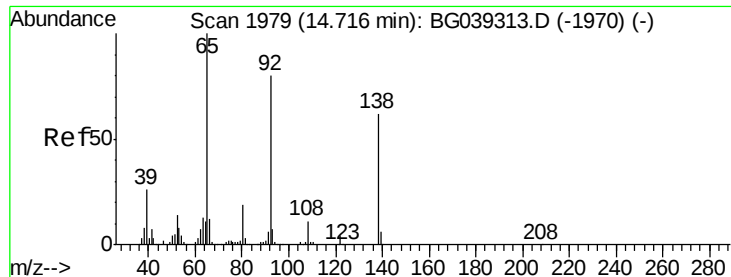


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 38.185 ng

RT: 14.70 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

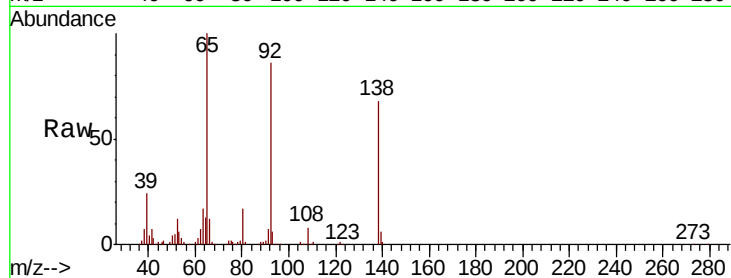
Tgt Ion:138 Resp: 107206

Ion Ratio Lower Upper

138 100

108 11.5 13.8 20.8#

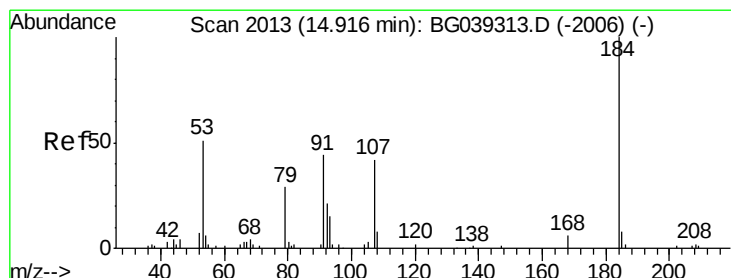
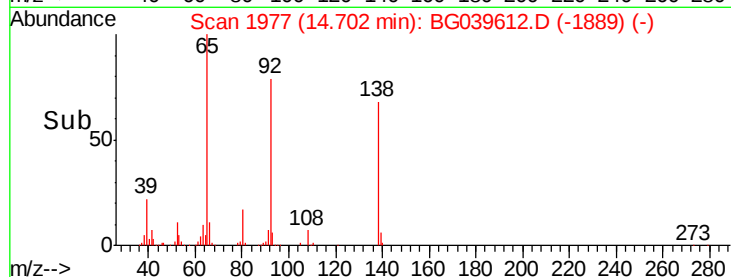
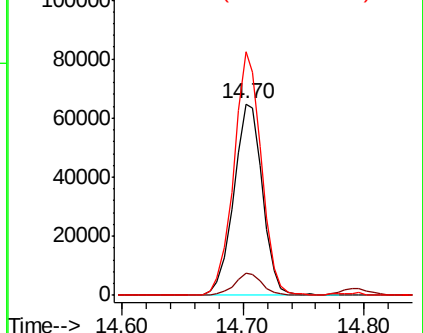
92 127.2 103.7 155.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 84.619 ng

RT: 14.91 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

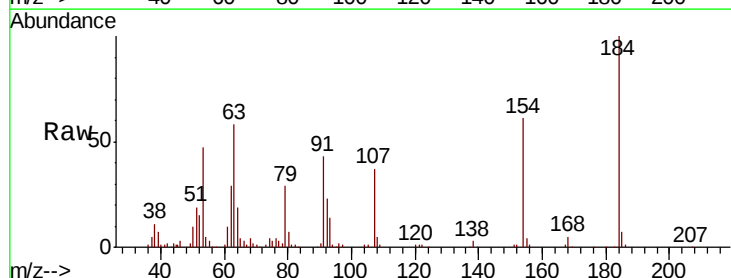
Tgt Ion:184 Resp: 103810

Ion Ratio Lower Upper

184 100

63 58.4 50.9 76.3

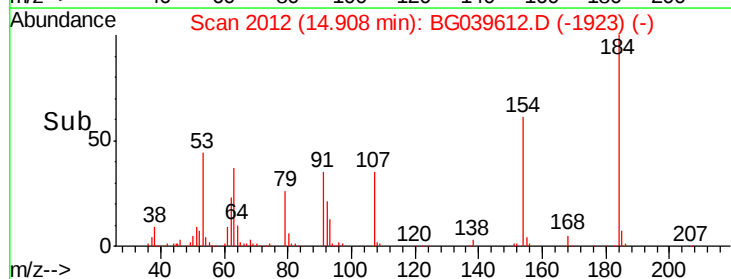
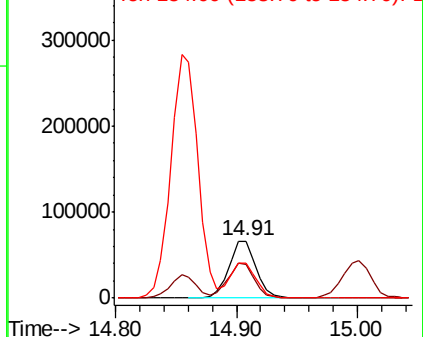
154 60.6 53.0 79.6

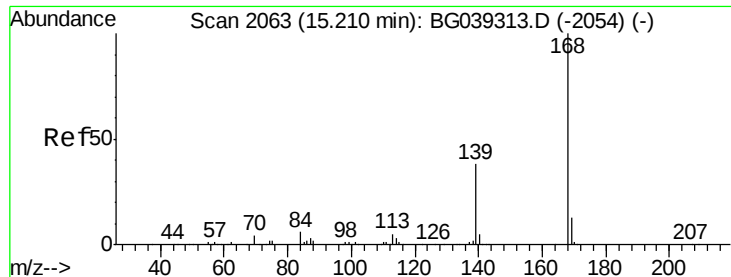


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

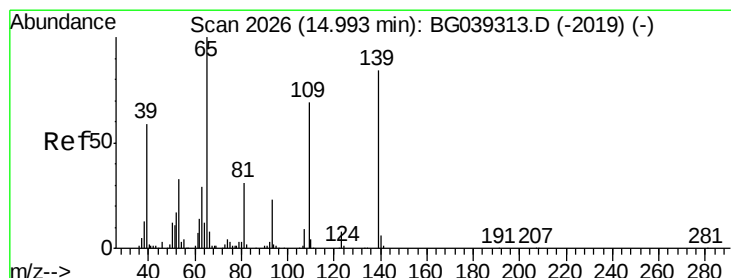
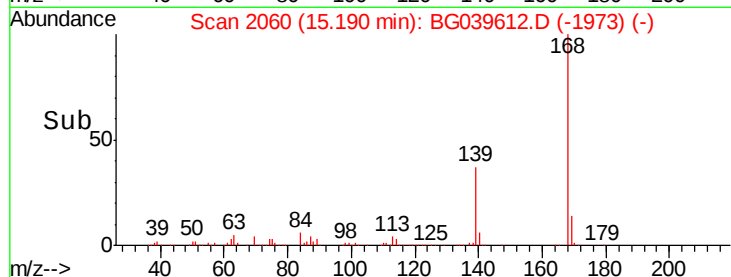
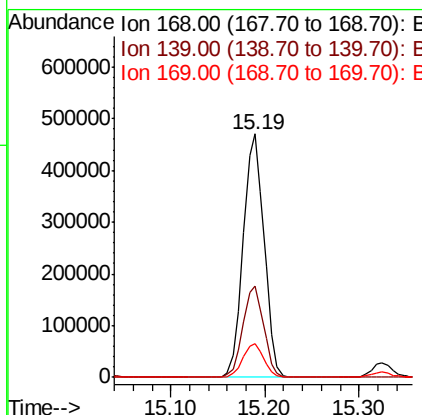
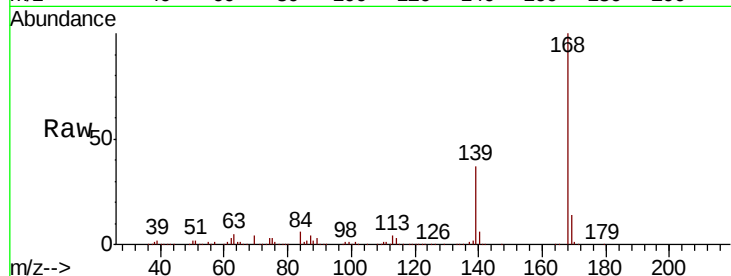




#55
Dibenzenofuran
Concen: 41.101 ng
RT: 15.19 min Scan# 2060
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

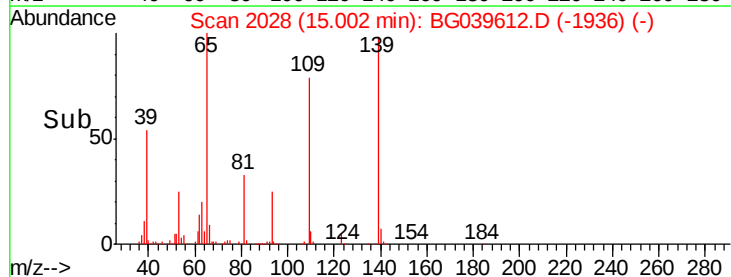
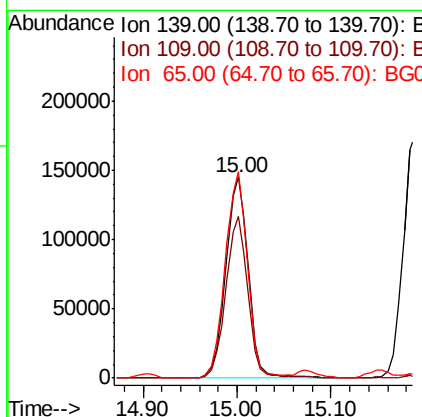
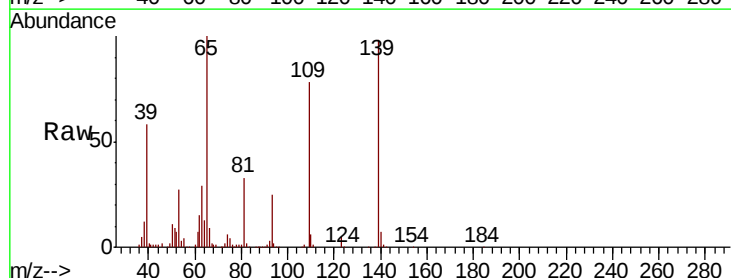
Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion:168 Resp: 721876
Ion Ratio Lower Upper
168 100
139 37.3 30.1 45.1
169 13.8 10.6 16.0



#56
4-Nitrophenol
Concen: 91.253 ng
RT: 15.00 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:139 Resp: 240394
Ion Ratio Lower Upper
139 100
109 80.2 61.9 101.9
65 102.4 99.1 139.1





#57

2,4-Dinitrotoluene

Concen: 53.992 ng

RT: 15.15 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

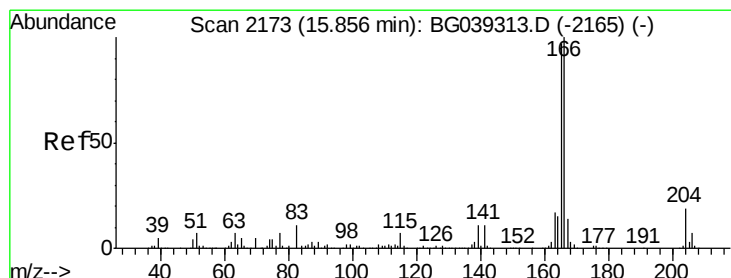
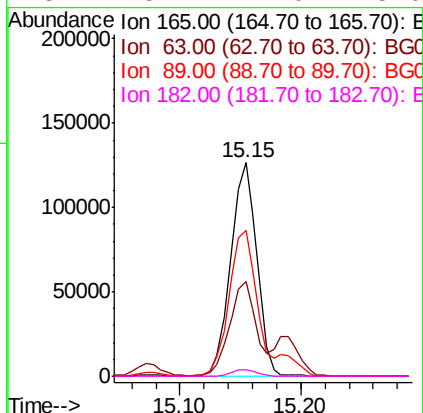
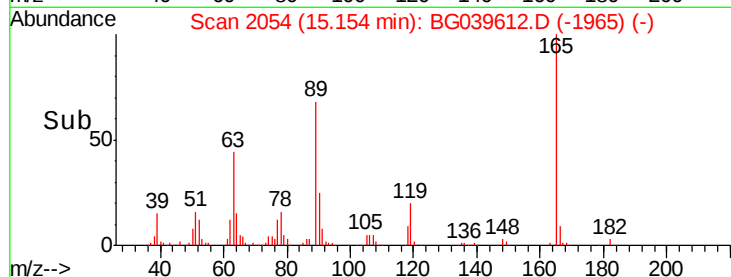
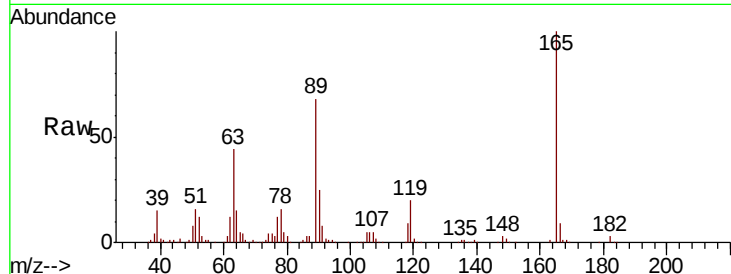
Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

Tgt Ion:	165	Resp:	190564
Ion	Ratio	Lower	Upper
165	100		
63	44.2	41.0	61.6
89	68.4	64.6	96.8
182	3.2	2.0	3.0#



#58

Fluorene

Concen: 43.799 ng

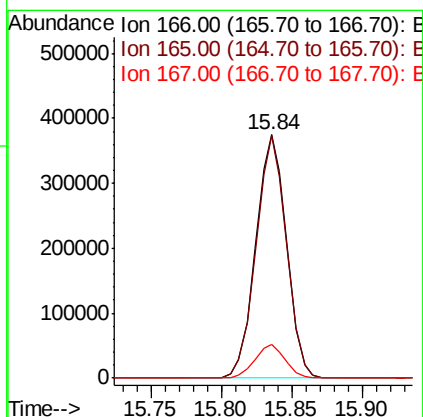
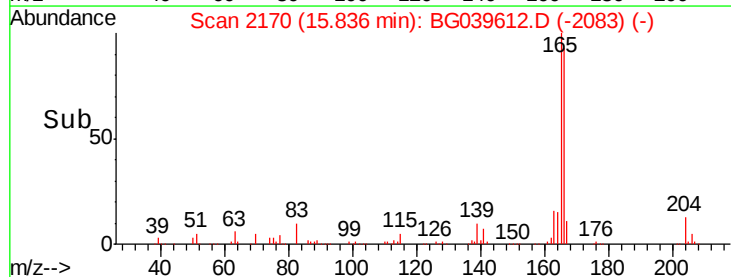
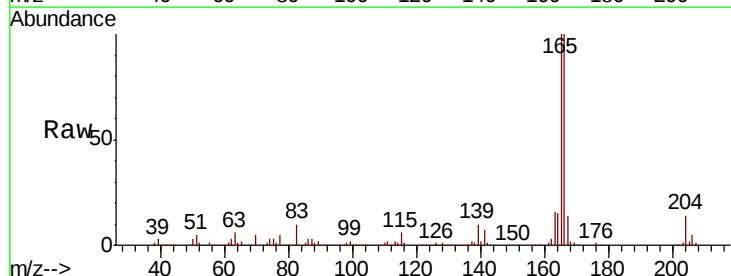
RT: 15.84 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Tgt Ion:	166	Resp:	573449
Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.9	116.9
167	13.7	10.8	16.2

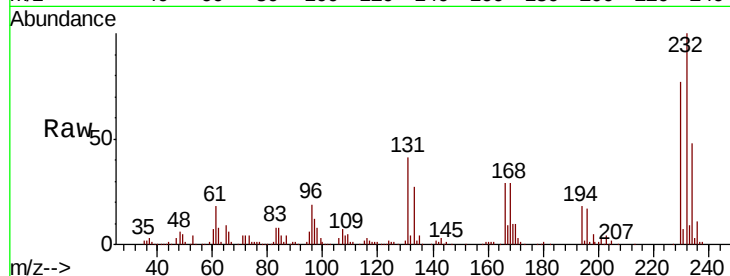




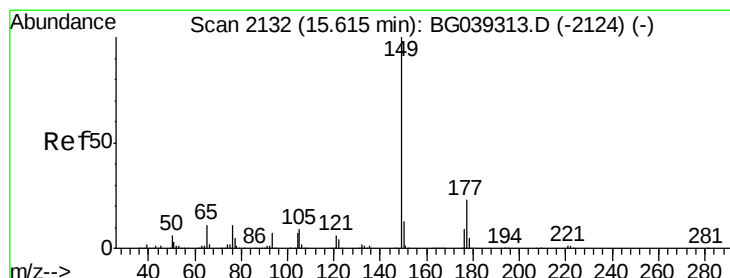
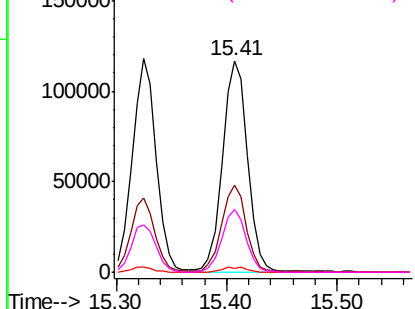
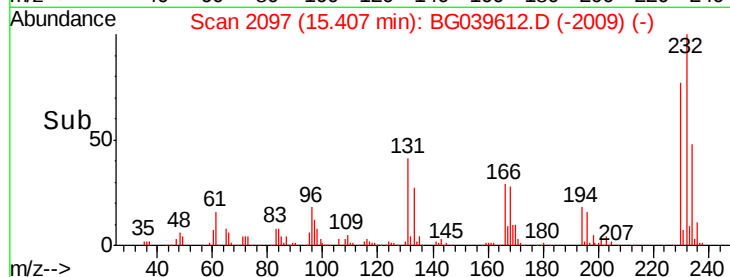
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 53.926 ng
 RT: 15.41 min Scan# 2097
 Delta R.T. -0.01 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)MSD

Tgt Ion:	232	Resp:	184980
Ion	Ratio	Lower	Upper
232	100		
131	39.7	34.9	52.3
130	2.3	2.0	3.0
166	28.4	24.1	36.1

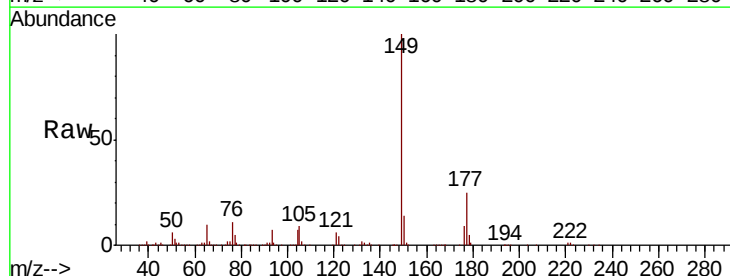


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

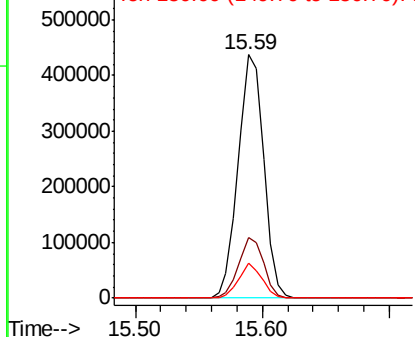
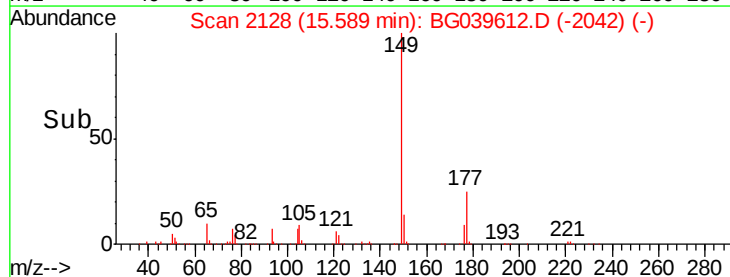


#60
 Diethylphthalate
 Concen: 40.807 ng
 RT: 15.59 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Tgt Ion:	149	Resp:	608868
Ion	Ratio	Lower	Upper
149	100		
177	25.1	18.3	27.5
150	14.2	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

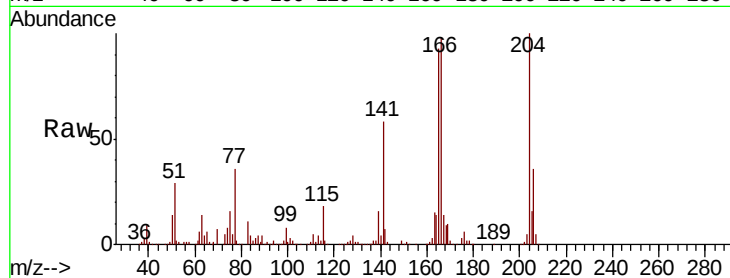




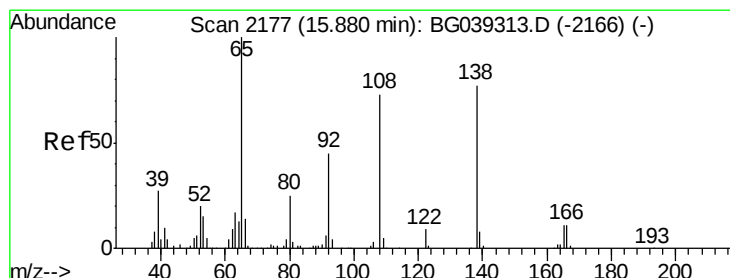
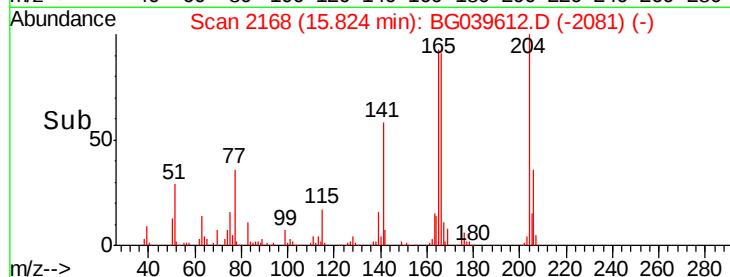
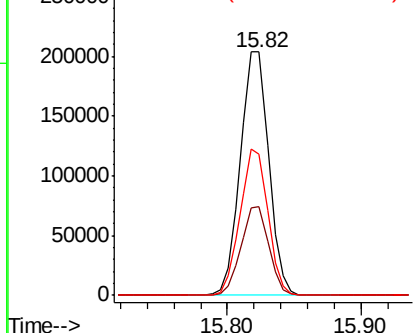
#61
 4-Chlorophenyl-phenylether
 Concen: 40.414 ng
 RT: 15.82 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)MSD

Tgt Ion:204 Resp: 299607
 Ion Ratio Lower Upper
 204 100
 206 36.2 29.2 43.8
 141 58.1 49.0 73.4

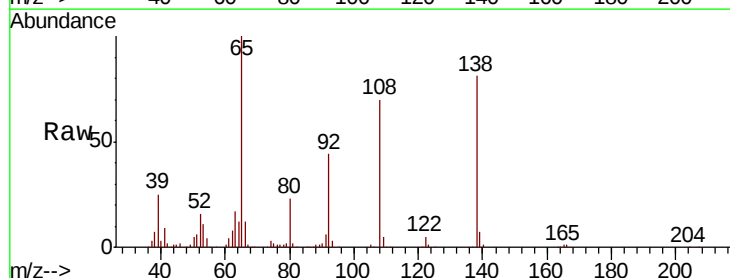


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

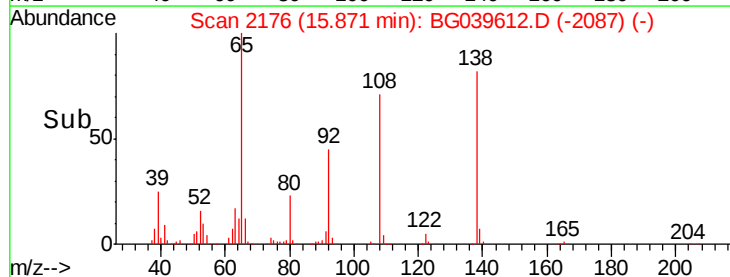
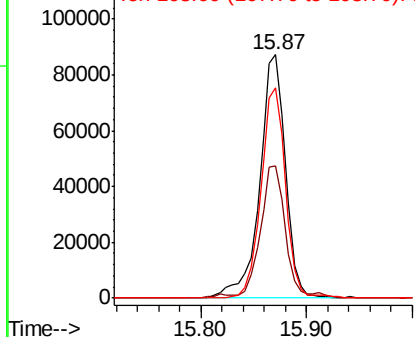


#62
 4-Nitroaniline
 Concen: 49.031 ng
 RT: 15.87 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Tgt Ion:138 Resp: 148675
 Ion Ratio Lower Upper
 138 100
 92 54.1 38.7 78.7
 108 86.2 74.6 114.6



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 37.474 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

Tgt Ion: 77 Resp: 546504

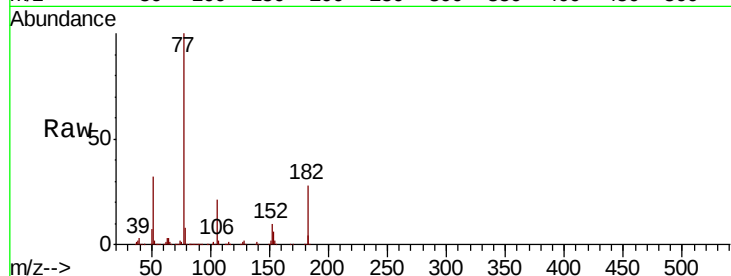
Ion Ratio Lower Upper

77 100

182 28.5 6.4 46.4

105 20.6 0.0 39.8

51 32.3 14.1 54.1

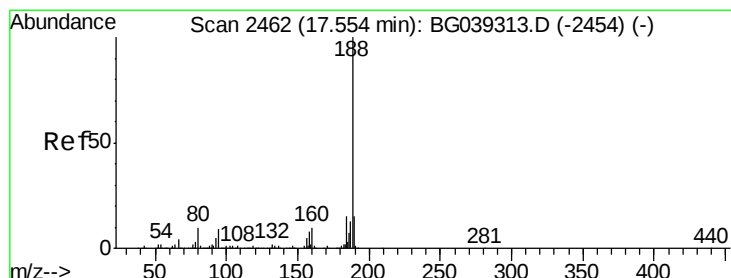
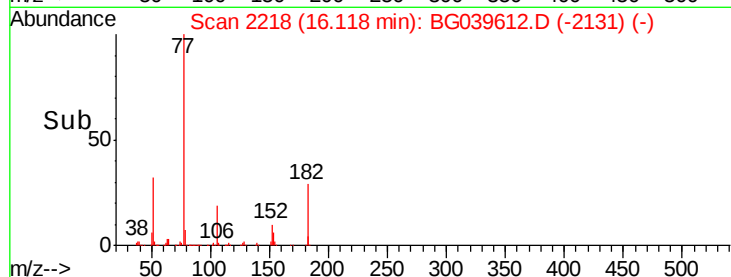
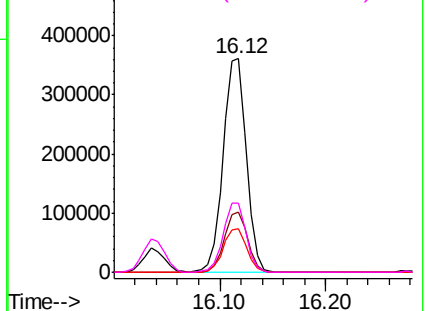


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

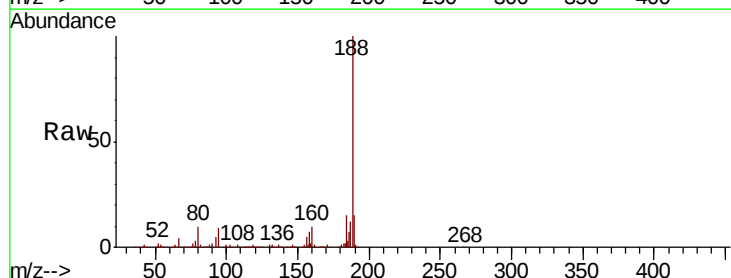
Tgt Ion: 188 Resp: 427494

Ion Ratio Lower Upper

188 100

94 9.1 6.9 10.3

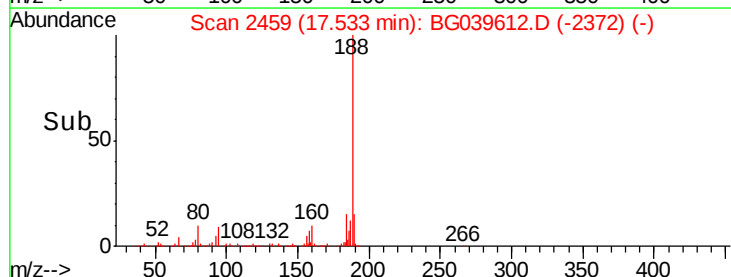
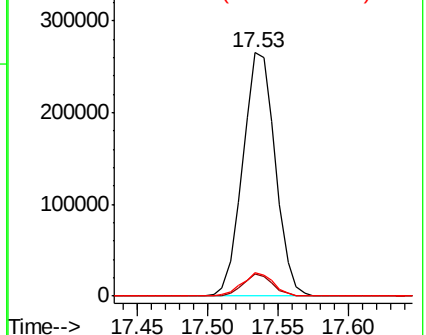
80 9.7 8.1 12.1

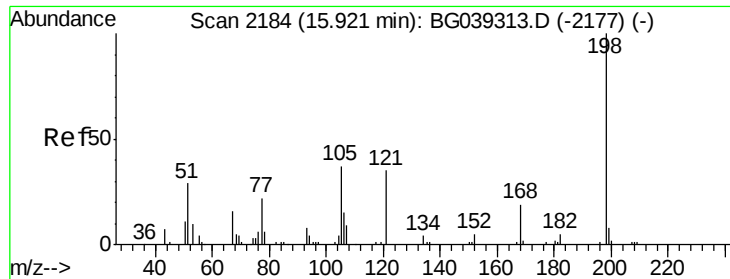


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 59.253 ng

RT: 15.91 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

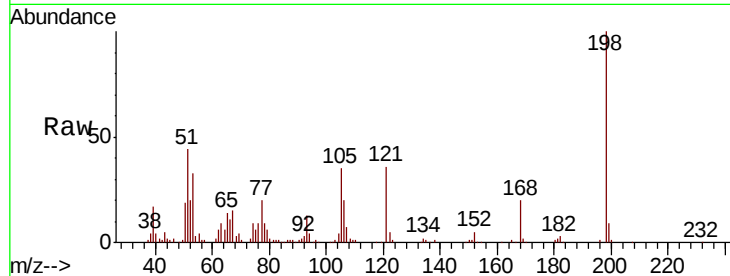
Tgt Ion:198 Resp: 109086

Ion Ratio Lower Upper

198 100

51 43.5 27.4 67.4

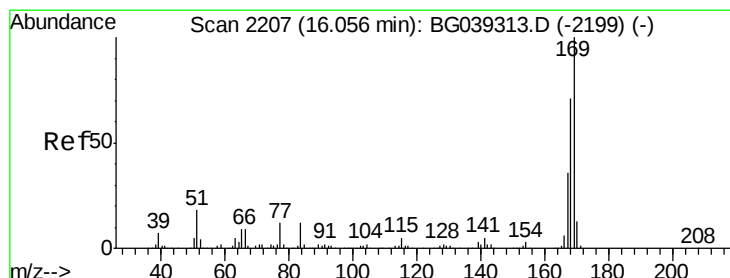
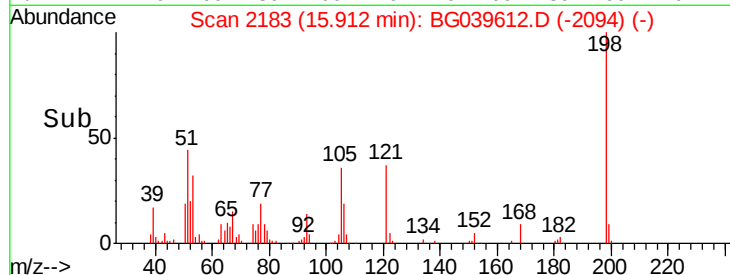
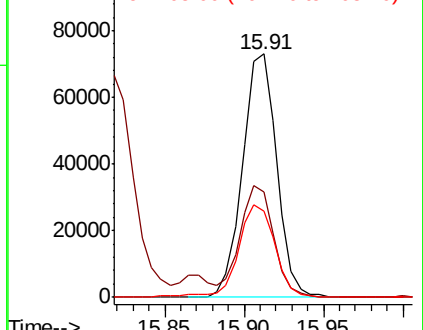
105 35.5 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG039313.D (-2177) (-)

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 40.739 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

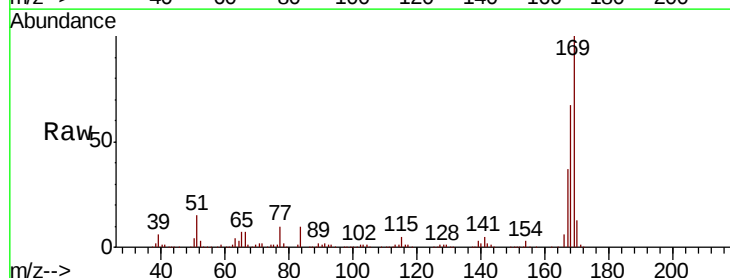
Tgt Ion:169 Resp: 529548

Ion Ratio Lower Upper

169 100

168 67.4 56.6 85.0

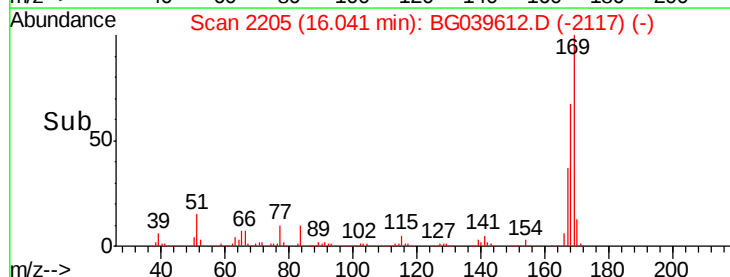
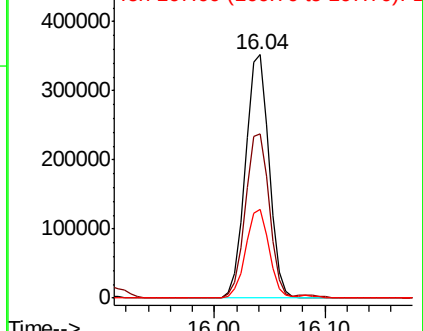
167 36.5 28.8 43.2

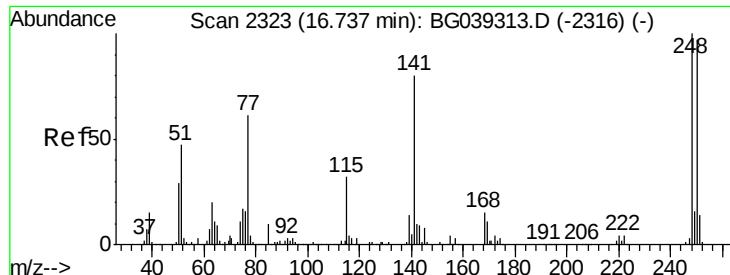


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

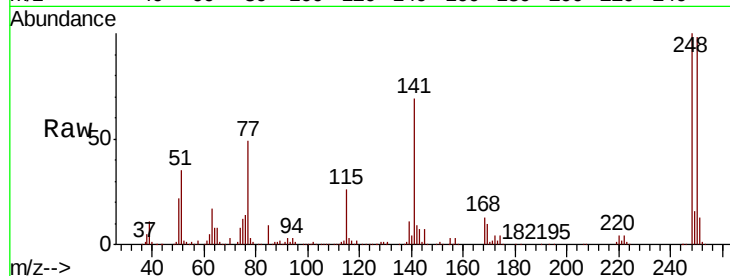




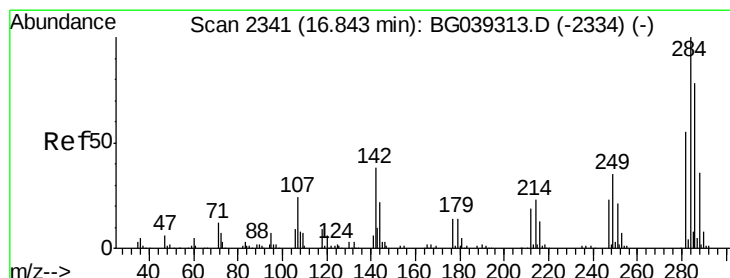
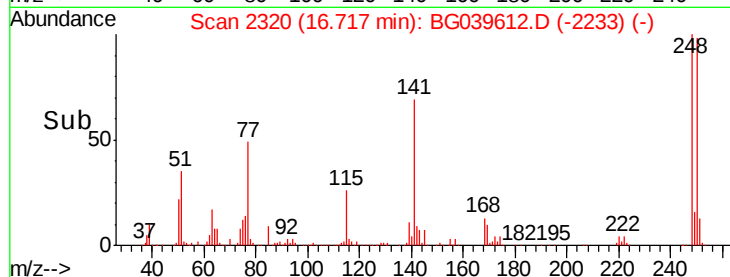
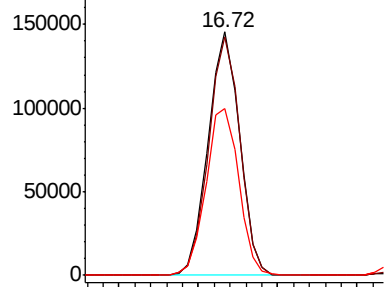
#67
4-Bromophenyl-phenylether
Concen: 42.251 ng
RT: 16.72 min Scan# 2320
Delta R.T. -0.02 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion:248 Resp: 200376
Ion Ratio Lower Upper
248 100
250 97.9 77.6 116.4
141 68.6 63.9 95.9

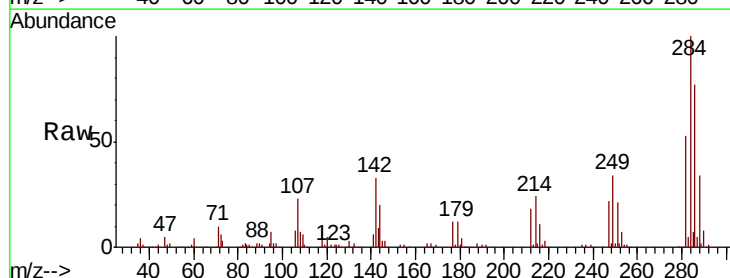


Abundance Ion 248.00 (247.70 to 248.70): E
200000 Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

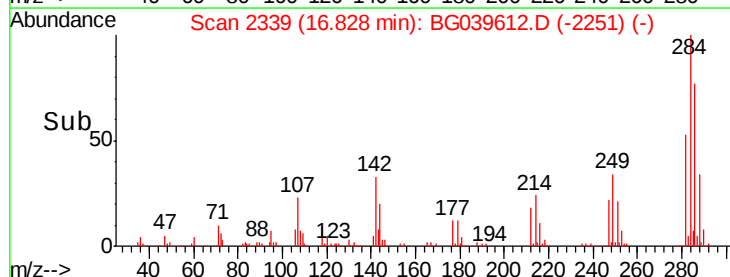
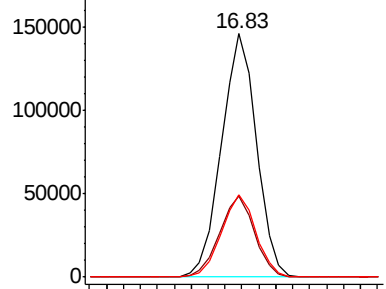


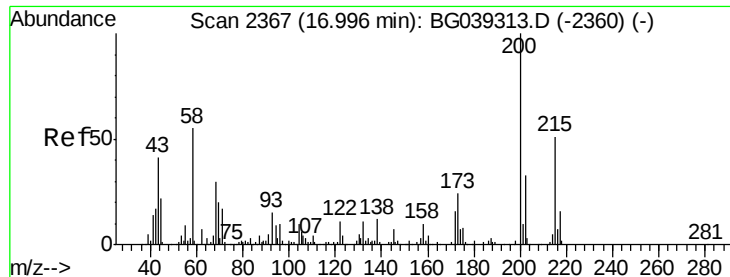
#68
Hexachlorobenzene
Concen: 44.009 ng
RT: 16.83 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:284 Resp: 209403
Ion Ratio Lower Upper
284 100
142 33.2 30.6 45.8
249 34.1 28.2 42.2



Abundance Ion 283.80 (283.50 to 284.50): E
200000 Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 41.026 ng

RT: 16.98 min Scan# 2364

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

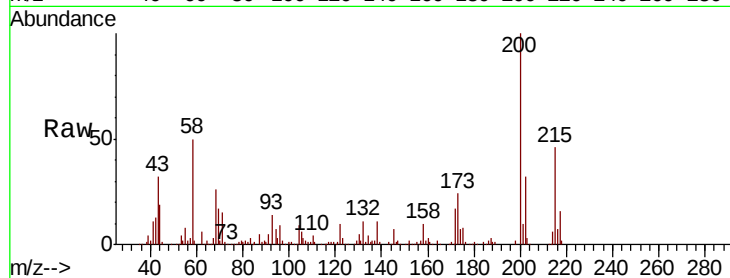
Tgt Ion:200 Resp: 194884

Ion Ratio Lower Upper

200 100

173 24.2 3.9 43.9

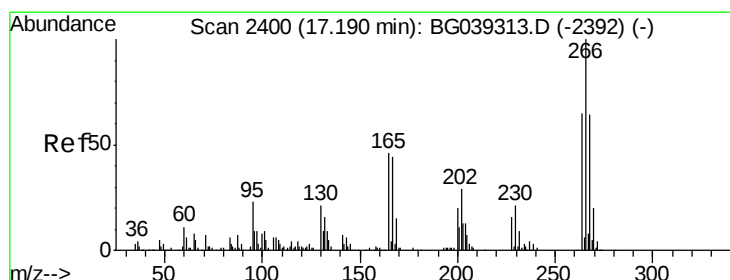
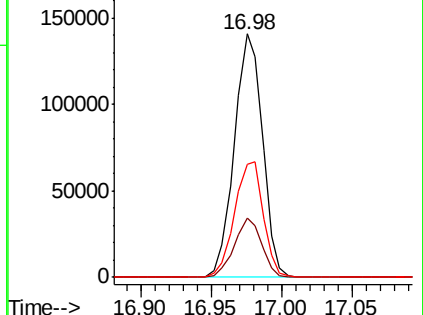
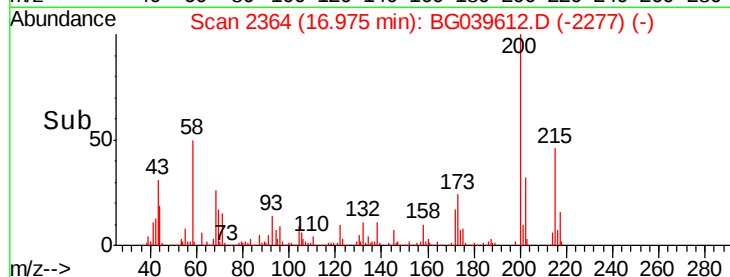
215 46.3 30.9 70.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 83.560 ng

RT: 17.18 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

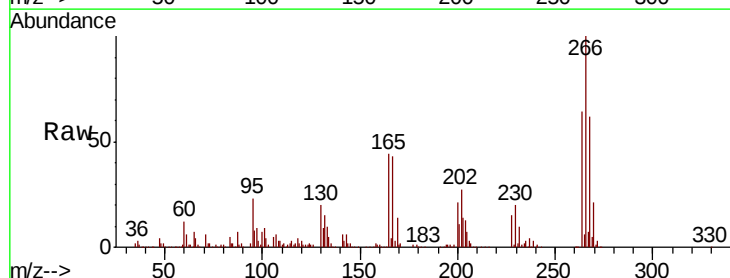
Tgt Ion:266 Resp: 276337

Ion Ratio Lower Upper

266 100

268 61.9 51.1 76.7

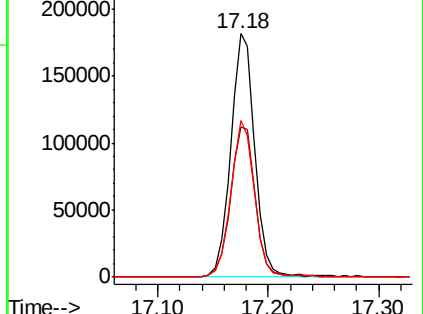
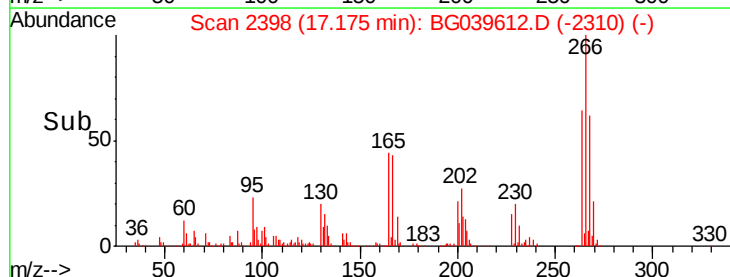
264 64.3 52.1 78.1



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 42.758 ng

RT: 17.58 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

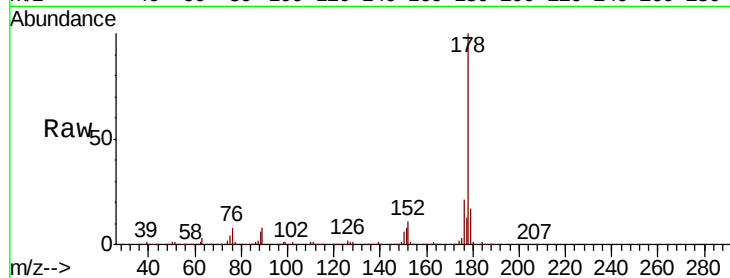
Tgt Ion:178 Resp: 946048

Ion Ratio Lower Upper

178 100

176 21.1 16.2 24.4

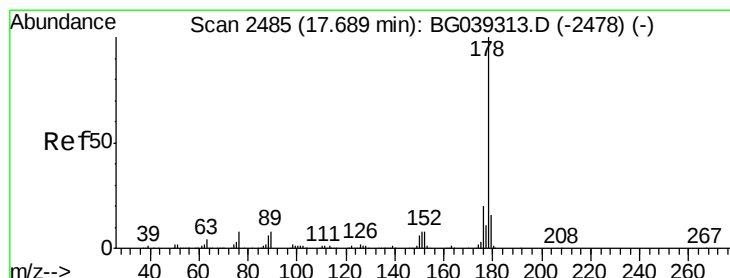
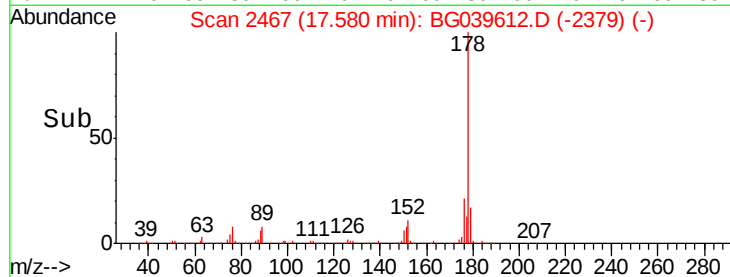
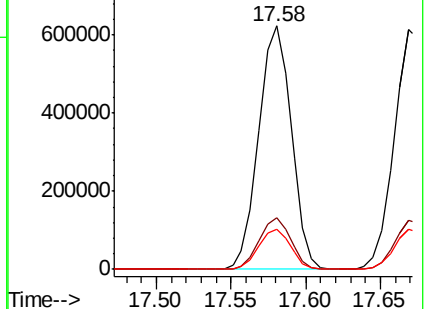
179 16.6 12.6 19.0



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: 44.270 ng

RT: 17.67 min Scan# 2482

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

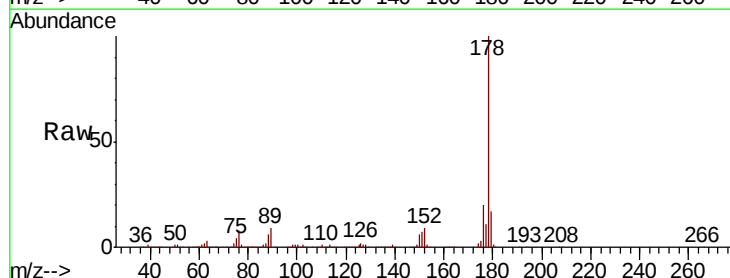
Tgt Ion:178 Resp: 964815

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.6

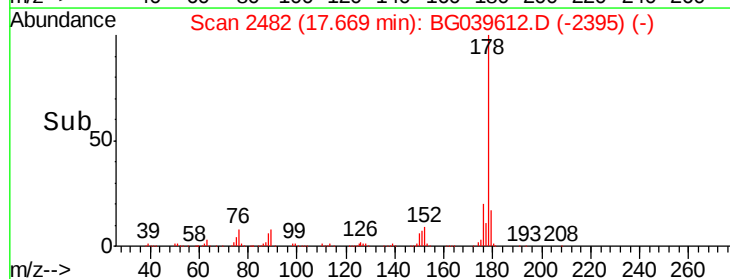
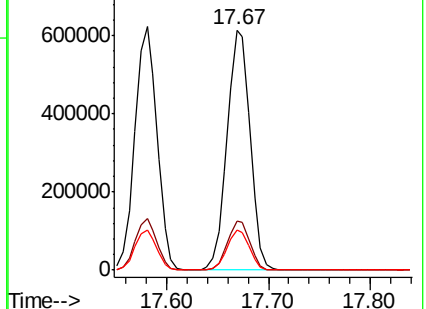
179 16.6 12.5 18.7



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

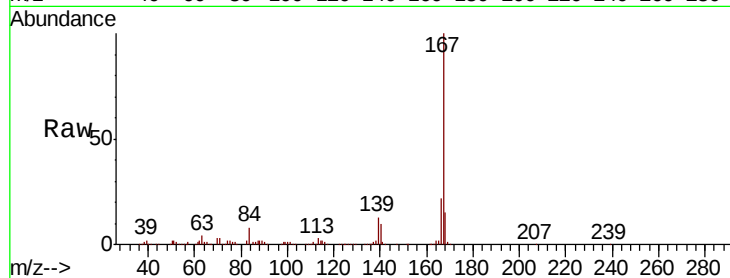




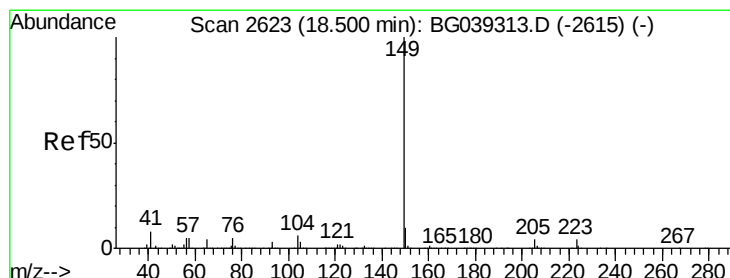
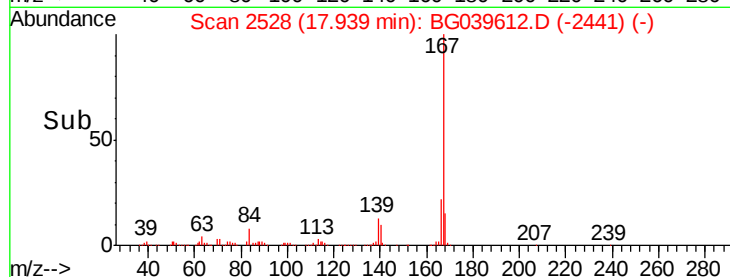
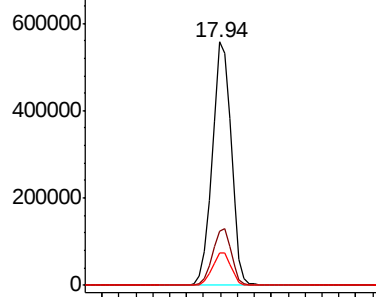
#73
 Carbazole
 Concen: 39.370 ng
 RT: 17.94 min Scan# 2528
 Delta R.T. -0.02 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)MSD

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	19.4	29.2
139	13.2	10.8	16.2

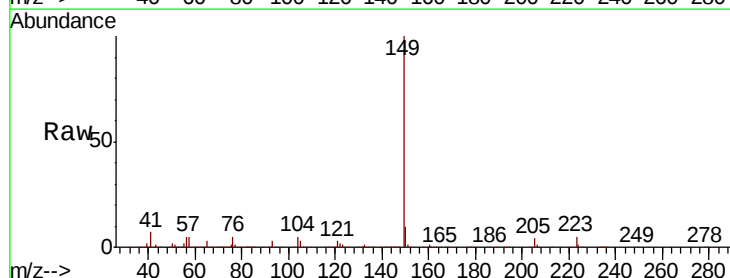


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

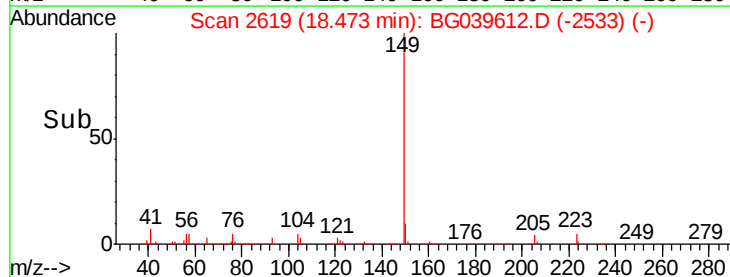
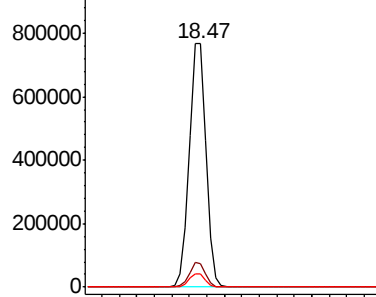


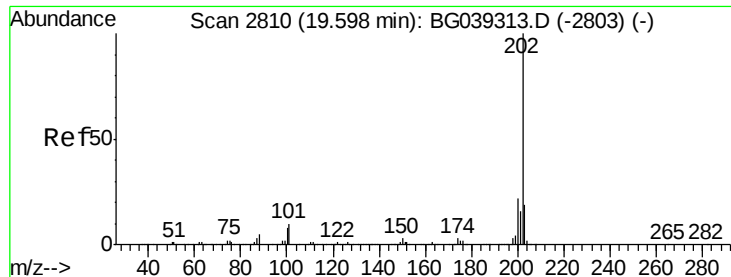
#74
 Di-n-butylphthalate
 Concen: 40.404 ng
 RT: 18.47 min Scan# 2619
 Delta R.T. -0.03 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.7	11.5
104	5.5	4.5	6.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 43.698 ng

RT: 19.58 min Scan# 2807

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

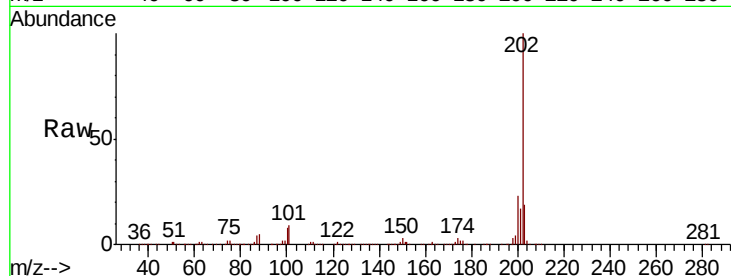
Tgt Ion:202 Resp: 1122227

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.0

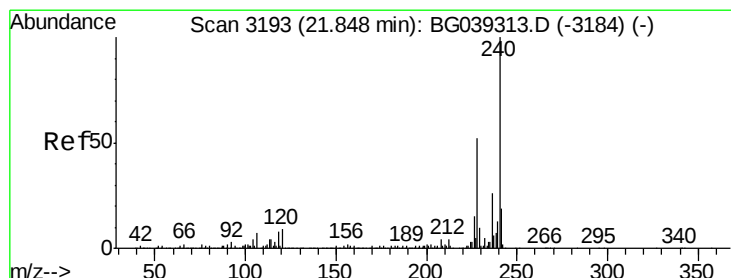
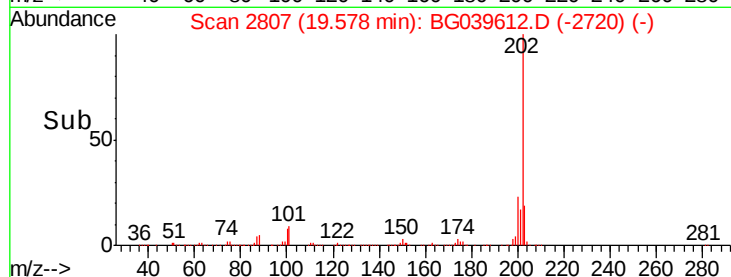
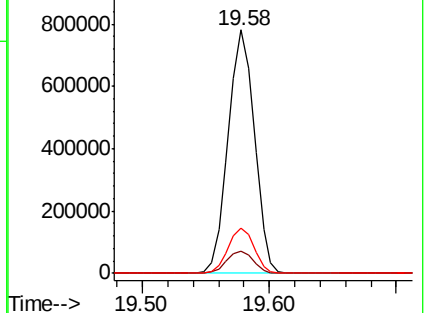
203 18.6 0.0 38.9



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: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

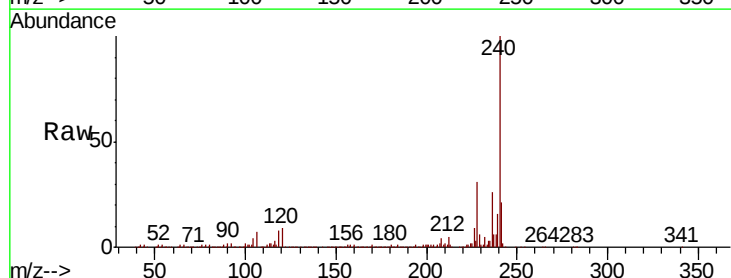
Tgt Ion:240 Resp: 419217

Ion Ratio Lower Upper

240 100

120 9.0 7.0 10.6

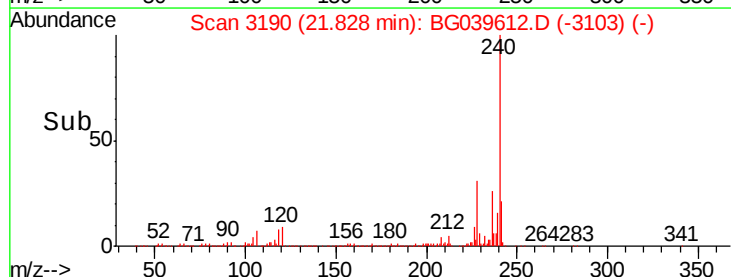
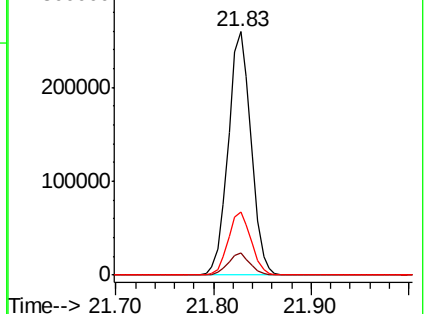
236 25.9 21.0 31.4



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: 44.365 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

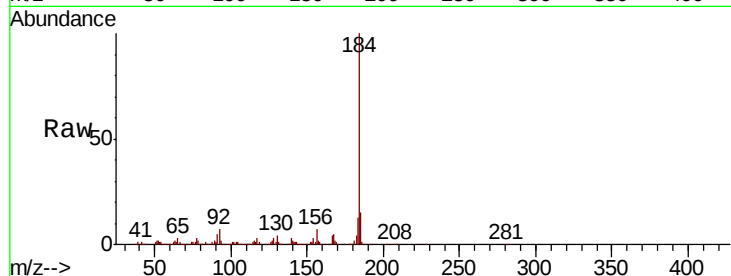
Tgt Ion:184 Resp: 609766

Ion Ratio Lower Upper

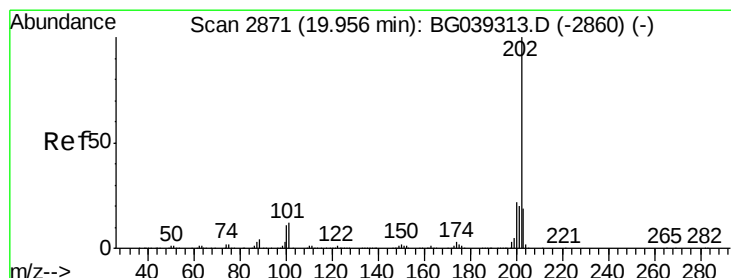
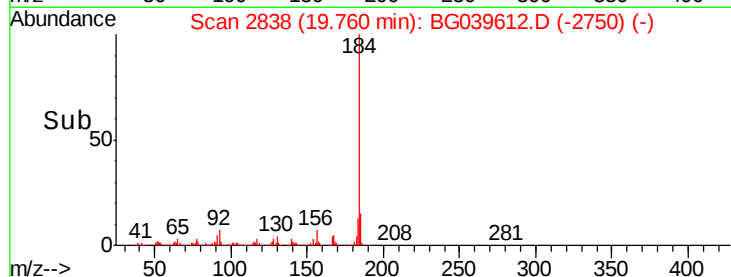
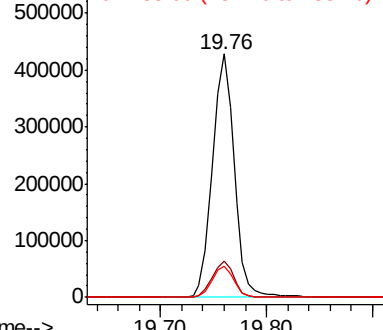
184 100

185 14.9 12.2 18.2

183 12.9 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: 42.911 ng

RT: 19.94 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

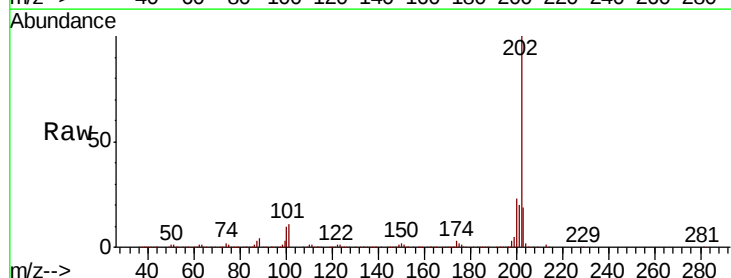
Tgt Ion:202 Resp: 1119874

Ion Ratio Lower Upper

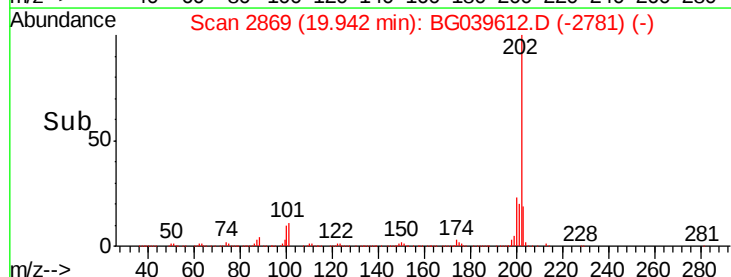
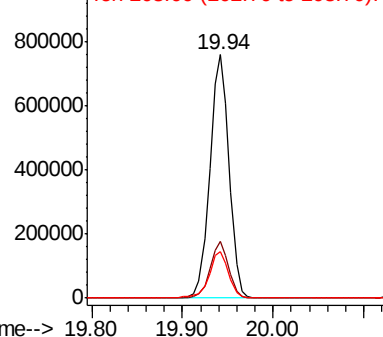
202 100

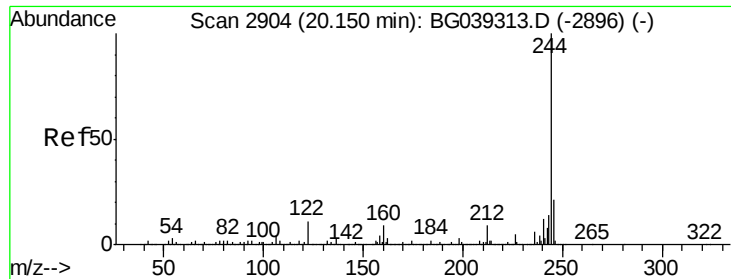
200 23.3 17.8 26.8

203 19.2 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

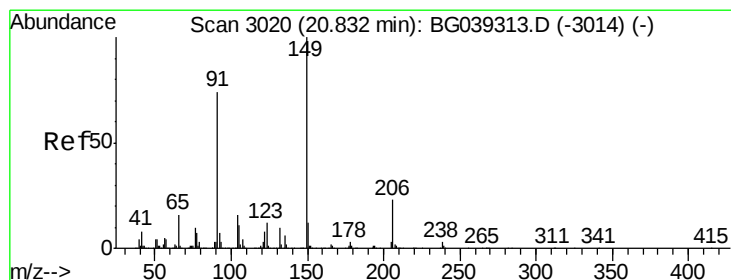
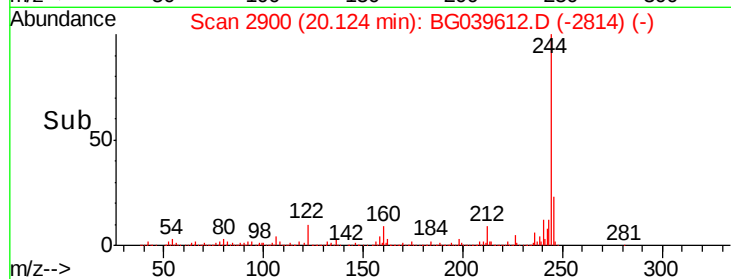
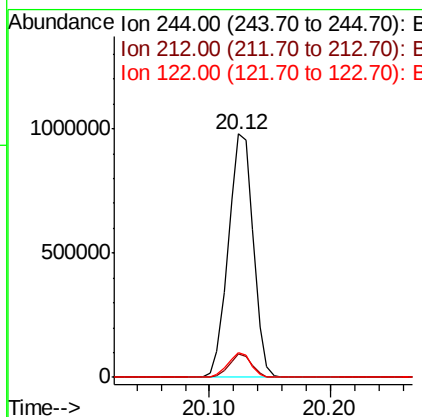
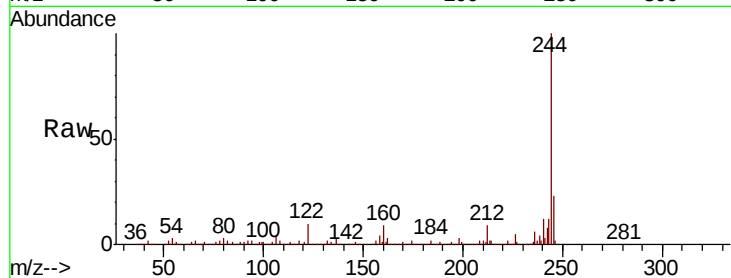




#79
 Terphenyl-d14
 Concen: 70.807 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.03 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

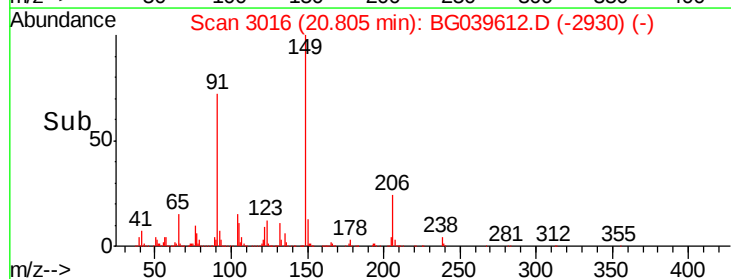
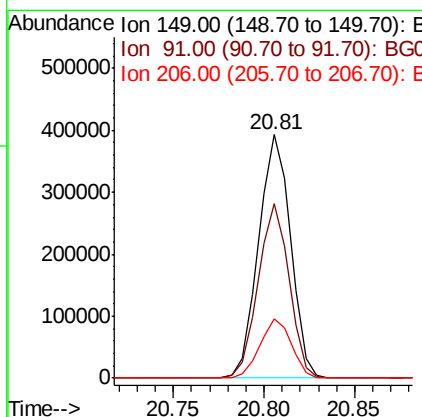
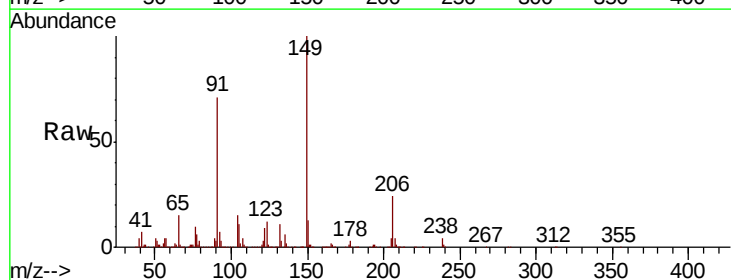
Instrument :
 BNA_G
 ClientSampleId :
 B-4B(14-15)MSD

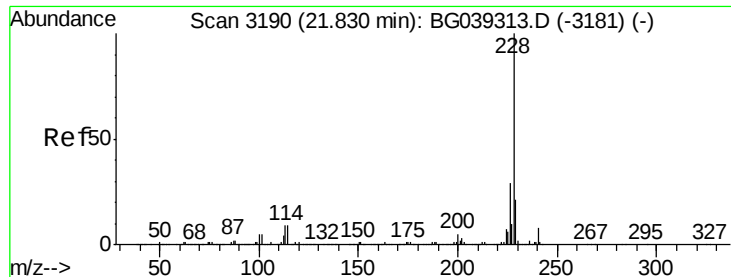
Tgt Ion:244 Resp: 1402364
 Ion Ratio Lower Upper
 244 100
 212 9.4 7.3 10.9
 122 10.2 8.4 12.6



#80
 Butylbenzylphthalate
 Concen: 43.778 ng
 RT: 20.81 min Scan# 3016
 Delta R.T. -0.03 min
 Lab File: BG039612.D
 Acq: 26 Feb 2019 22:38

Tgt Ion:149 Resp: 481950
 Ion Ratio Lower Upper
 149 100
 91 71.5 59.5 89.3
 206 24.1 18.6 27.8





#81

Benzo(a)anthracene

Concen: 44.067 ng

RT: 21.80 min Scan# 3186

Delta R.T. -0.03 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

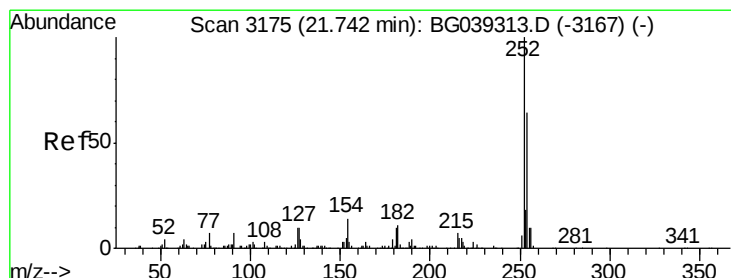
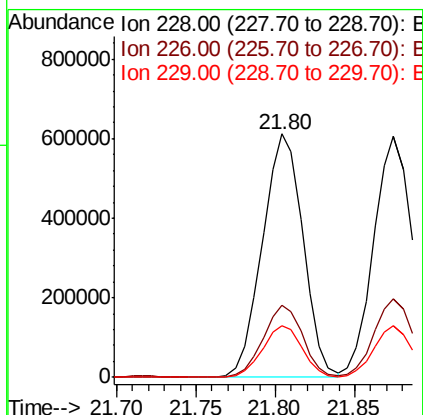
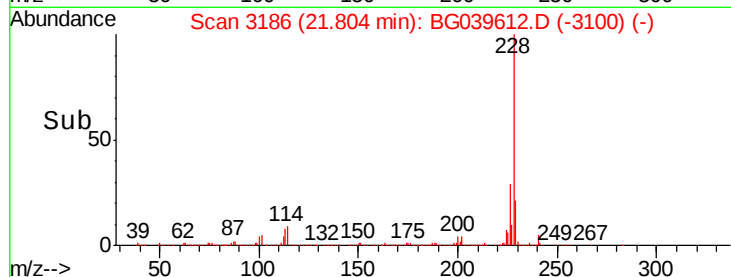
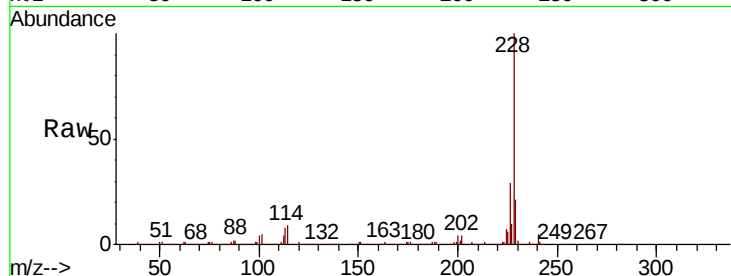
Tgt Ion:228 Resp: 1091603

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.6

229 21.4 16.9 25.3



#82

3,3'-Dichlorobenzidine

Concen: 31.387 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.03 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

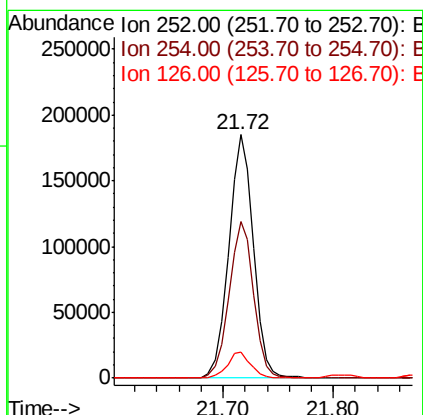
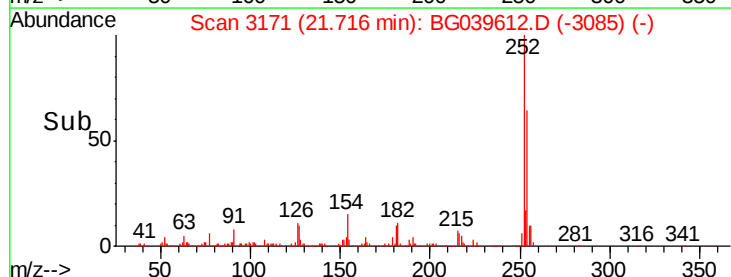
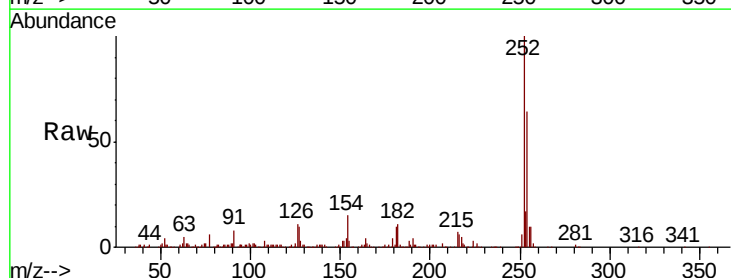
Tgt Ion:252 Resp: 288291

Ion Ratio Lower Upper

252 100

254 64.2 51.3 76.9

126 10.6 8.0 12.0





#83

Chrysene

Concen: 43.559 ng

RT: 21.87 min Scan# 3198

Delta R.T. -0.03 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

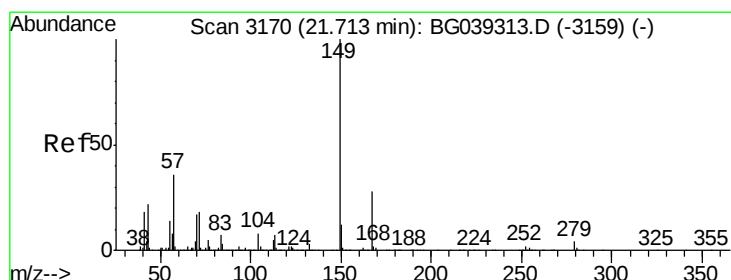
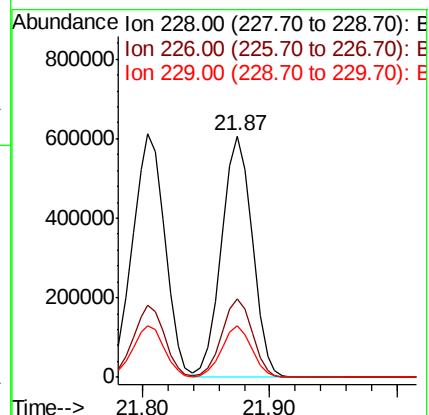
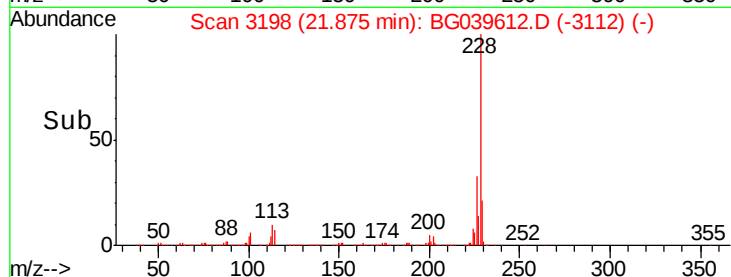
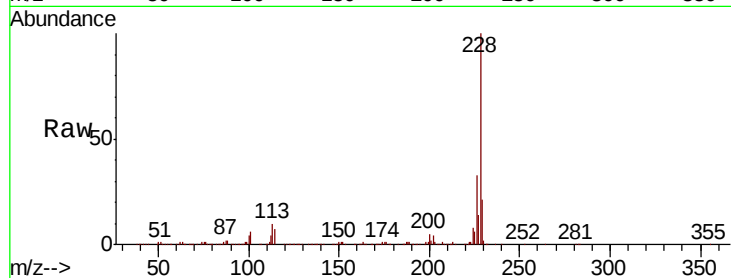
BNA_G

ClientSampleId :

B-4B(14-15)MSD

Tgt Ion:228 Resp: 1027148

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.8	38.6
229	21.4	16.6	25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.267 ng

RT: 21.67 min Scan# 3163

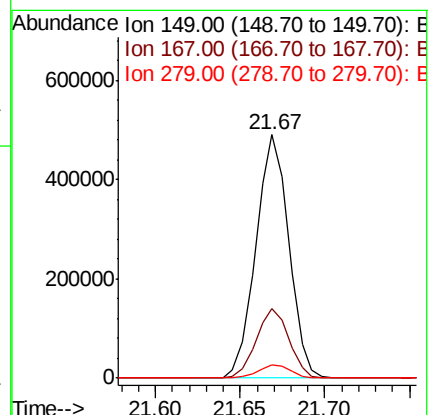
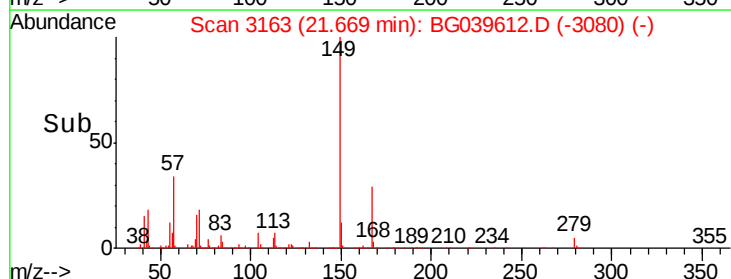
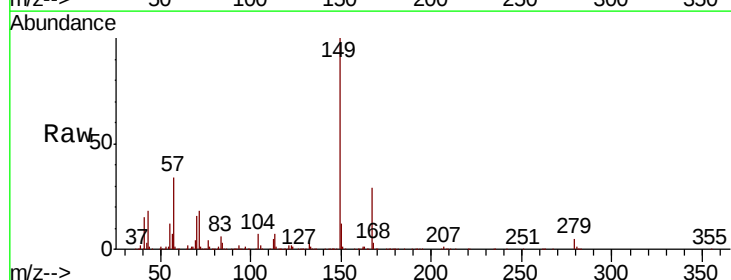
Delta R.T. -0.04 min

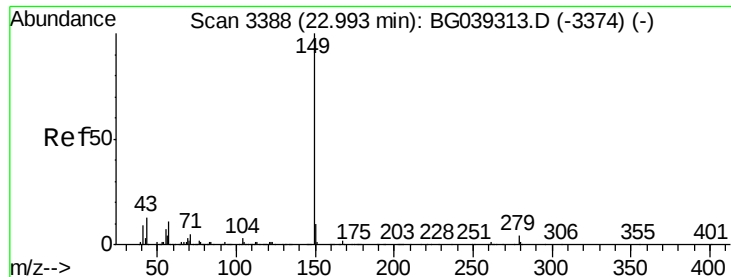
Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Tgt Ion:149 Resp: 663836

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.6	34.0
279	5.2	3.5	5.3





#85

Di-n-octyl phthalate

Concen: 43.906 ng

RT: 22.93 min Scan# 3377

Delta R.T. -0.07 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

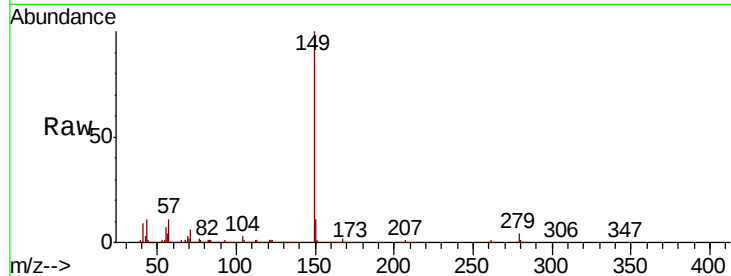
Tgt Ion:149 Resp: 1139240

Ion Ratio Lower Upper

149 100

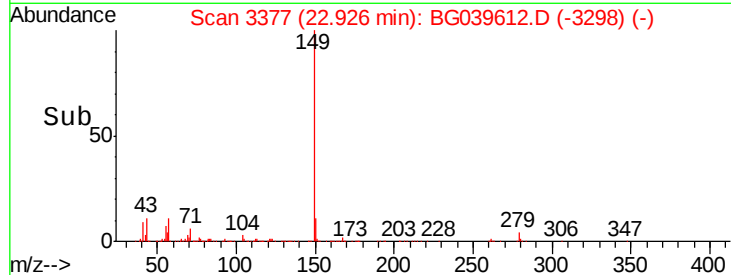
167 1.7 1.3 1.9

43 10.9 10.2 15.4

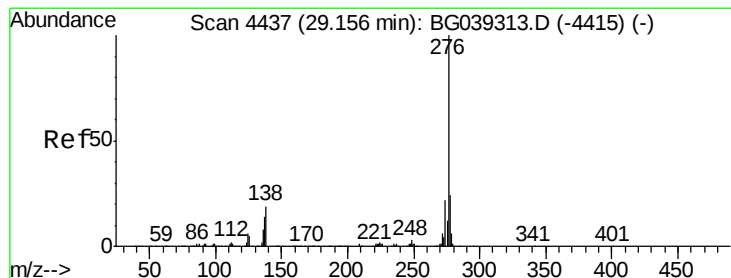


Abundance Ion 149.00 (148.70 to 149.70): E
800000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

22.93



Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 49.514 ng

RT: 29.08 min Scan# 4425

Delta R.T. -0.07 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

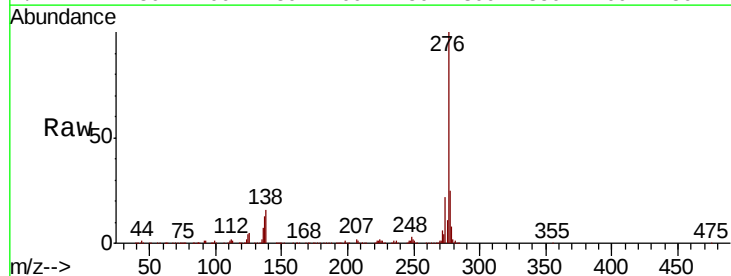
Tgt Ion:276 Resp: 1252718

Ion Ratio Lower Upper

276 100

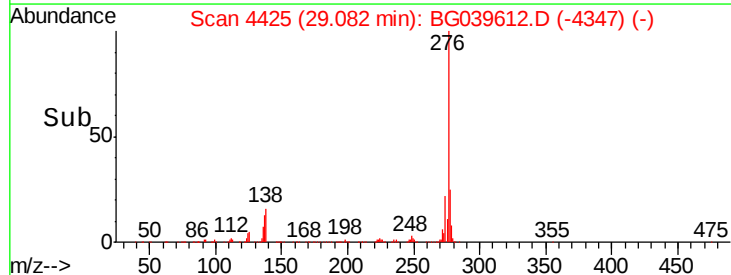
138 20.8 12.6 19.0#

277 25.9 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E
250000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

29.08



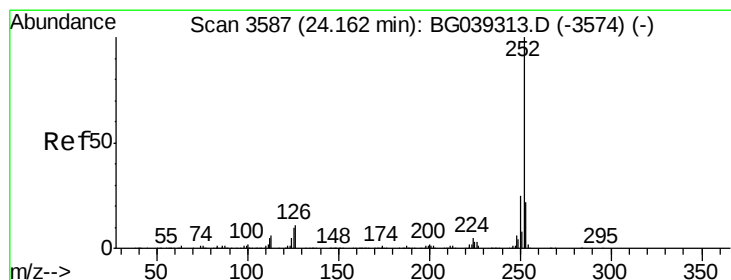
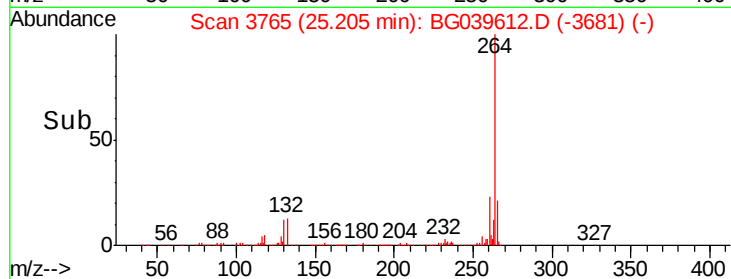
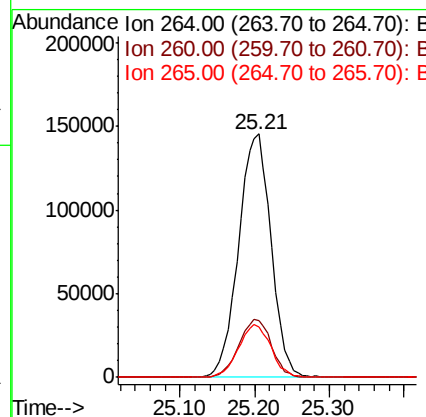
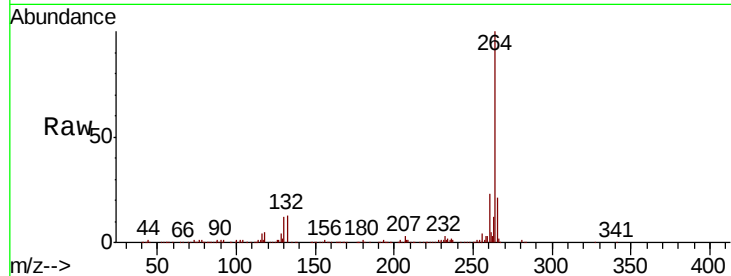
Time-->



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

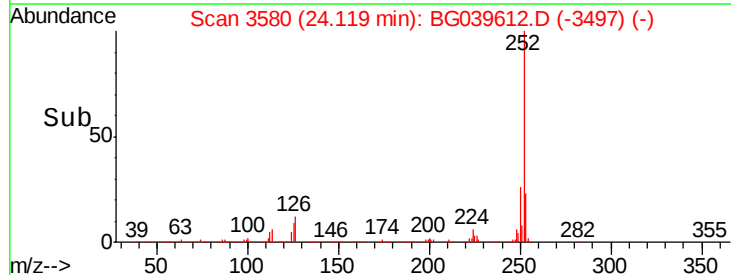
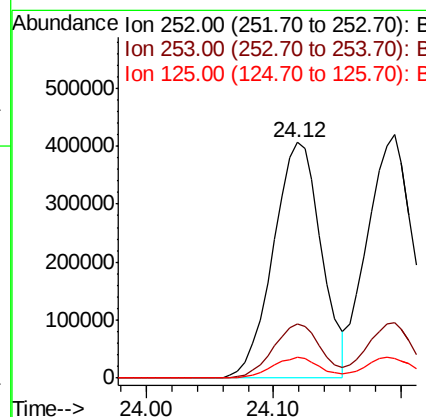
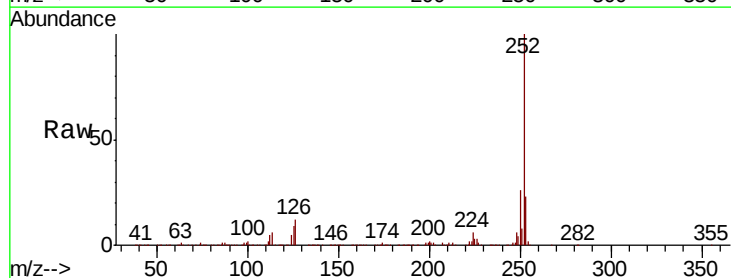
Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion:	264	Resp:	438756
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	20.9	18.5	27.7



#88
Benzo(b)fluoranthene
Concen: 44.829 ng
RT: 24.12 min Scan# 3580
Delta R.T. -0.04 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:	252	Resp:	1072666
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	8.8	7.8	11.6

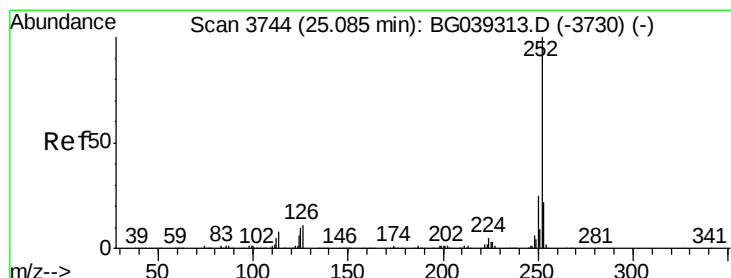
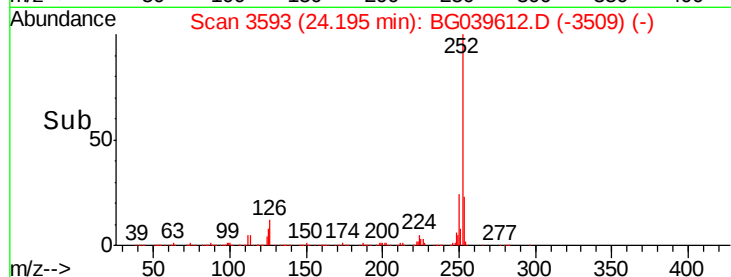
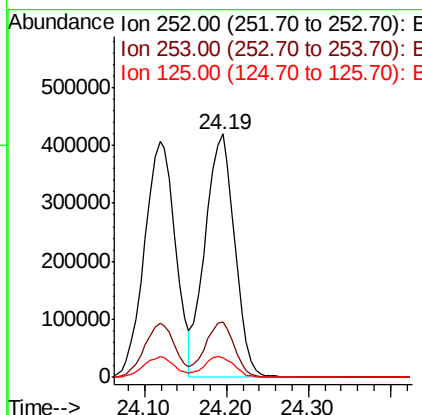
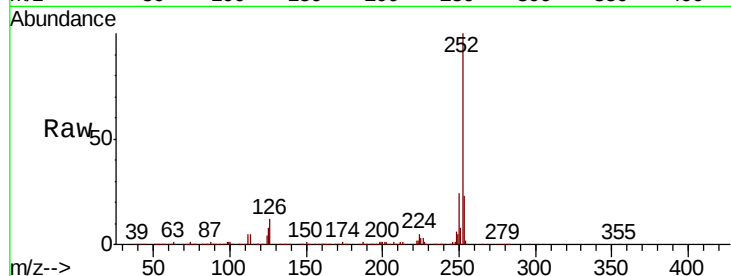




#89
Benzo(k)fluoranthene
Concen: 43.799 ng
RT: 24.19 min Scan# 3593
Delta R.T. -0.04 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

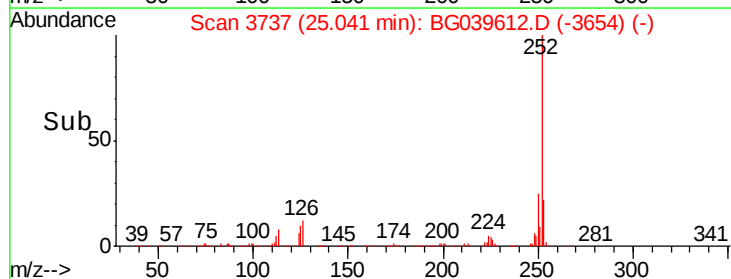
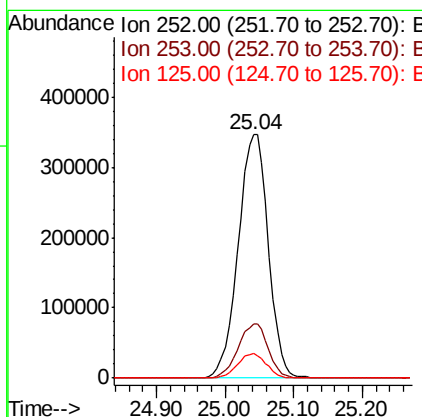
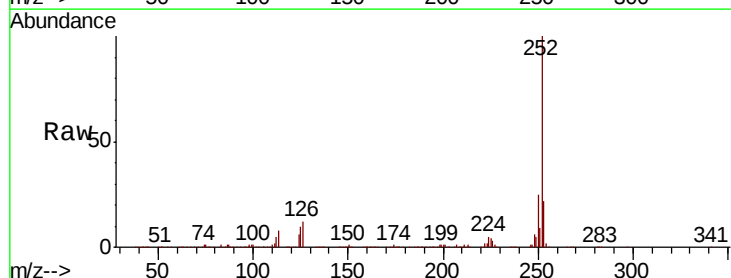
Instrument :
BNA_G
ClientSampleId :
B-4B(14-15)MSD

Tgt Ion:252 Resp: 1052179
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 8.2 7.4 11.2



#90
Benzo(a)pyrene
Concen: 45.772 ng
RT: 25.04 min Scan# 3737
Delta R.T. -0.04 min
Lab File: BG039612.D
Acq: 26 Feb 2019 22:38

Tgt Ion:252 Resp: 1054785
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 10.3 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 46.536 ng

RT: 29.15 min Scan# 4437

Delta R.T. -0.08 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

Instrument :

BNA_G

ClientSampleId :

B-4B(14-15)MSD

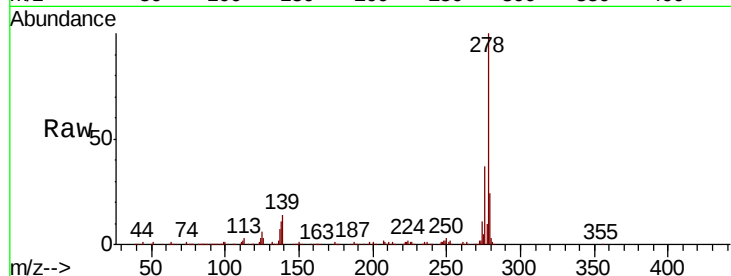
Tgt Ion:278 Resp: 1004294

Ion Ratio Lower Upper

278 100

139 14.2 11.7 17.5

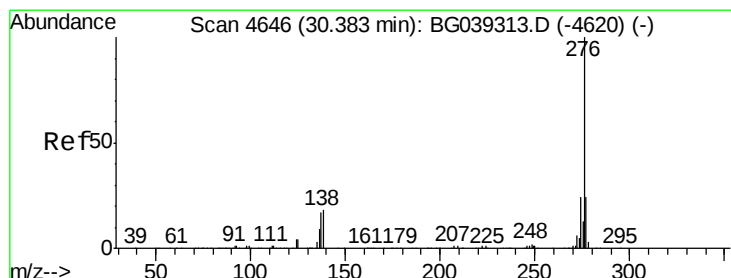
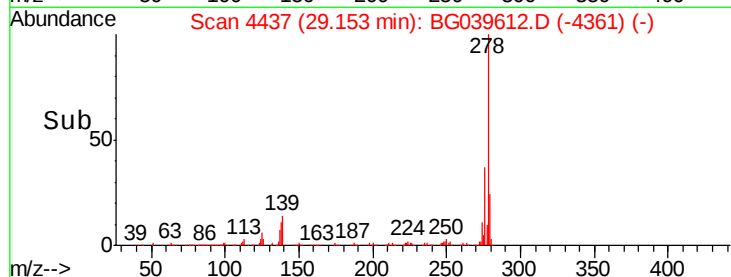
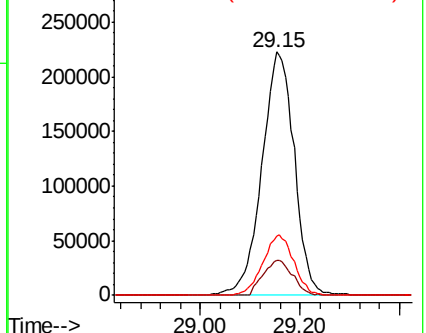
279 24.1 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 48.056 ng

RT: 30.31 min Scan# 4634

Delta R.T. -0.07 min

Lab File: BG039612.D

Acq: 26 Feb 2019 22:38

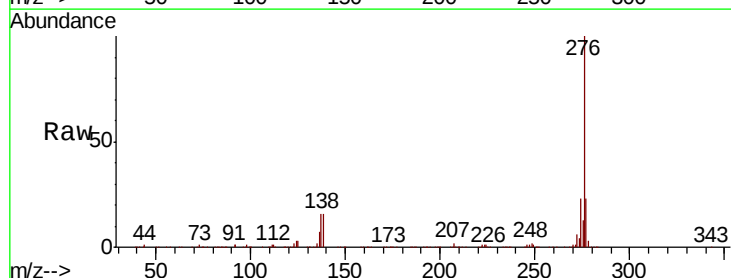
Tgt Ion:276 Resp: 1033695

Ion Ratio Lower Upper

276 100

277 22.6 19.6 29.4

138 16.5 14.7 22.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

