

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031119\
 Data File : BG039844.D
 Acq On : 11 Mar 2019 16:32
 Operator : JU/SJ
 Sample : K1807-31MSDRE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-13MSD

Quant Time: Mar 12 03:36:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	47688	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	210647	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	151273	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	373468	20.00	ng	0.00
76) Chrysene-d12	21.82	240	361787	20.00	ng	0.00
87) Perylene-d12	25.19	264	374091	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	357991	128.07	ng	0.00
7) Phenol-d6	7.30	99	534686	128.29	ng	0.00
23) Nitrobenzene-d5	9.34	82	301771	77.48	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	219630	124.56	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	706351	66.48	ng	-0.02
79) Terphenyl-d14	20.12	244	1139308	69.34	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.59	88	40039	31.026	ng	99
3) Pyridine	3.99	79	71438	20.677	ng	99
4) n-Nitrosodimethylamine	3.91	42	60908	37.162	ng	# 85
6) Aniline	7.48	93	76605	14.029	ng	96
8) 2-Chlorophenol	7.71	128	129636	38.227	ng	96
9) Benzaldehyde	7.30	77	70940	26.386	ng	99
10) Phenol	7.33	94	194406	43.056	ng	98
11) bis(2-Chloroethyl)ether	7.57	93	125774	35.727	ng	97
12) 1,3-Dichlorobenzene	8.04	146	132532	34.555	ng	96
13) 1,4-Dichlorobenzene	8.19	146	134283	34.373	ng	98
14) 1,2-Dichlorobenzene	8.51	146	129926	34.421	ng	99
15) Benzyl Alcohol	8.39	79	128525	38.874	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.67	45	244456	34.720	ng	97
17) 2-Methylphenol	8.59	107	119319	41.443	ng	95
18) Hexachloroethane	9.24	117	47122	33.616	ng	97
19) n-Nitroso-di-n-propylamine	8.95	70	105977	35.326	ng	94
20) 3+4-Methylphenols	8.91	107	164211	41.056	ng	96
22) Acetophenone	8.98	105	201473	35.636	ng	# 96
24) Nitrobenzene	9.38	77	152374	37.292	ng	94
25) Isophorone	9.89	82	304695	37.336	ng	98
26) 2-Nitrophenol	10.09	139	76999	39.031	ng	97
27) 2,4-Dimethylphenol	10.13	122	139875	45.589	ng	98
28) bis(2-Chloroethoxy)methane	10.37	93	184769	37.256	ng	100
29) 2,4-Dichlorophenol	10.62	162	146683	42.462	ng	98
30) 1,2,4-Trichlorobenzene	10.83	180	144009	37.047	ng	97
31) Naphthalene	11.03	128	410029	36.764	ng	98
32) Benzoic acid	10.25	122	50116	27.118	ng	97
33) 4-Chloroaniline	11.14	127	47061	9.951	ng	95
34) Hexachlorobutadiene	11.29	225	90531	34.082	ng	96
35) Caprolactam	11.91	113	35118	26.613	ng	# 87
36) 4-Chloro-3-methylphenol	12.24	107	168657	42.591	ng	97
37) 2-Methylnaphthalene	12.62	142	316146	37.915	ng	99
38) 1-Methylnaphthalene	12.84	142	303766	37.487	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.98	216	178418	34.815	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.95	237	201584	73.400	ng	98
43) 2,4,6-Trichlorophenol	13.22	196	128377	42.788	ng	99
44) 2,4,5-Trichlorophenol	13.29	196	139651	41.294	ng	96
46) 1,1'-Biphenyl	13.62	154	435225	34.980	ng	99
47) 2-Chloronaphthalene	13.67	162	339507	36.272	ng	98
48) 2-Nitroaniline	13.87	65	122421	40.698	ng	96
49) Acenaphthylene	14.51	152	553218	36.004	ng	100
50) Dimethylphthalate	14.23	163	539861	42.679	ng	99
51) 2,6-Dinitrotoluene	14.36	165	106255	39.624	ng	100
52) Acenaphthene	14.85	154	337978	36.546	ng	99
53) 3-Nitroaniline	14.69	138	42705	15.843	ng	# 95
54) 2,4-Dinitrophenol	14.90	184	103732	62.566	ng	98
55) Dibenzofuran	15.18	168	556047	36.647	ng	99
56) 4-Nitrophenol	14.99	139	187088	77.586	ng	91
57) 2,4-Dinitrotoluene	15.15	165	153651	40.778	ng	85
58) Fluorene	15.83	166	439909	36.880	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.40	232	140766	42.620	ng	97
60) Diethylphthalate	15.58	149	479972	38.331	ng	98
61) 4-Chlorophenyl-phenylether	15.81	204	233608	36.701	ng	98
62) 4-Nitroaniline	15.86	138	111555	38.174	ng	94
63) Azobenzene	16.10	77	423646	37.323	ng	98
65) 4,6-Dinitro-2-methylphenol	15.90	198	85202	38.584	ng	98
66) n-Nitrosodiphenylamine	16.03	169	413434	38.238	ng	99
67) 4-Bromophenyl-phenylether	16.71	248	157349	37.640	ng	95
68) Hexachlorobenzene	16.82	284	158011	36.465	ng	96
69) Atrazine	16.97	200	166638	39.161	ng	95
70) Pentachlorophenol	17.17	266	203058	74.199	ng	99
71) Phenanthrene	17.57	178	744990	36.215	ng	99
72) Anthracene	17.66	178	757651	37.795	ng	99
73) Carbazole	17.93	167	673187	37.250	ng	99
74) Di-n-butylphthalate	18.46	149	791191	37.210	ng	100
75) Fluoranthene	19.57	202	852500	35.066	ng	98
77) Benzidine	19.75	184	68862	5.998	ng	98
78) Pyrene	19.93	202	853021	36.285	ng	99
80) Butylbenzylphthalate	20.80	149	364922	40.066	ng	97
81) Benzo(a)anthracene	21.80	228	820345	36.180	ng	99
82) 3,3'-Dichlorobenzidine	21.71	252	108644	13.124	ng	98
83) Chrysene	21.87	228	790660	35.968	ng	98
84) Bis(2-ethylhexyl)phthalate	21.66	149	514415	40.192	ng	99
85) Di-n-octyl phthalate	22.91	149	872178	41.156	ng	96
86) Indeno(1,2,3-cd)pyrene	29.07	276	942086	37.778	ng	97
88) Benzo(b)fluoranthene	24.10	252	821902	36.844	ng	99
89) Benzo(k)fluoranthene	24.17	252	789972	38.043	ng	98
90) Benzo(a)pyrene	25.03	252	809198	39.255	ng	98
91) Dibenzo(a,h)anthracene	29.13	278	771772	38.190	ng	99
92) Benzo(g,h,i)perylene	30.29	276	781953	38.527	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.16 min Scan# 862

Delta R.T. -0.02 min

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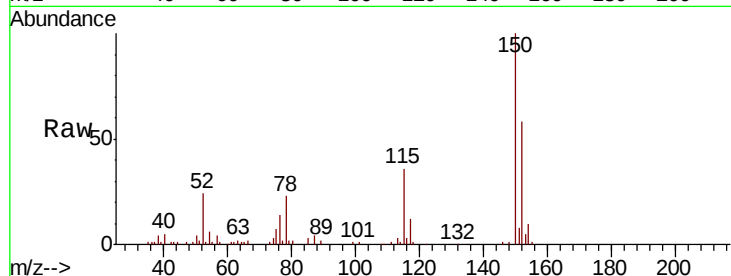
Tgt Ion:152 Resp: 47688

Ion Ratio Lower Upper

152 100

150 171.0 123.7 185.5

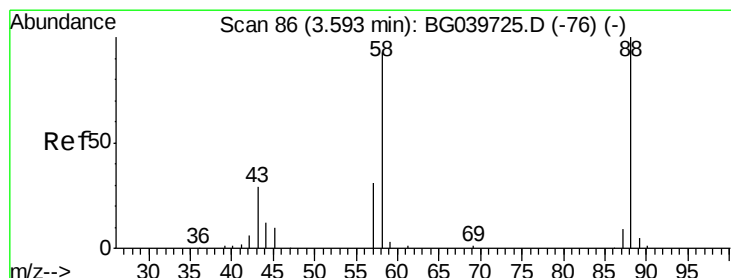
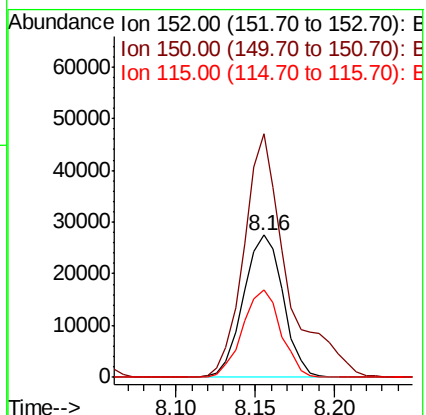
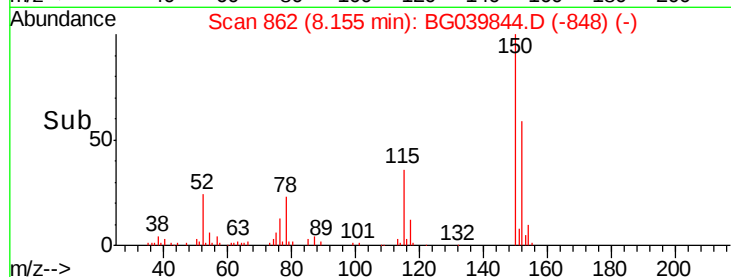
115 61.7 45.9 68.9



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: 31.026 ng

RT: 3.59 min Scan# 85

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

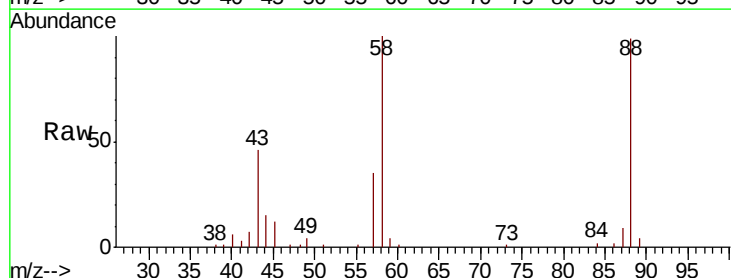
Tgt Ion: 88 Resp: 40039

Ion Ratio Lower Upper

88 100

58 99.8 81.1 121.7

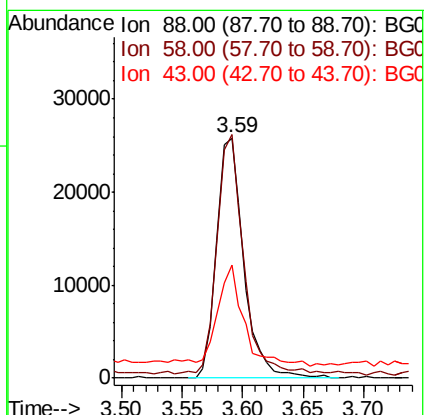
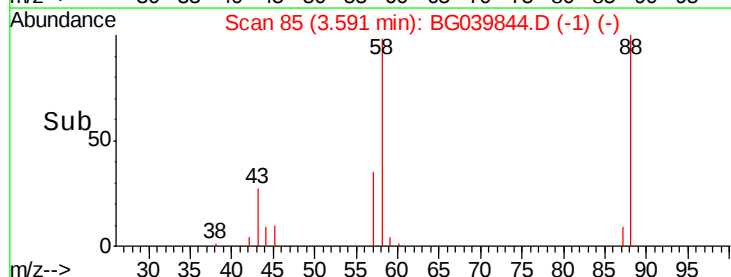
43 38.7 31.4 47.0



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: 20.677 ng

RT: 3.99 min Scan# 153

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

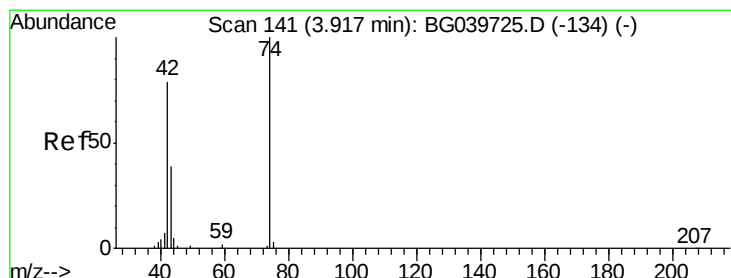
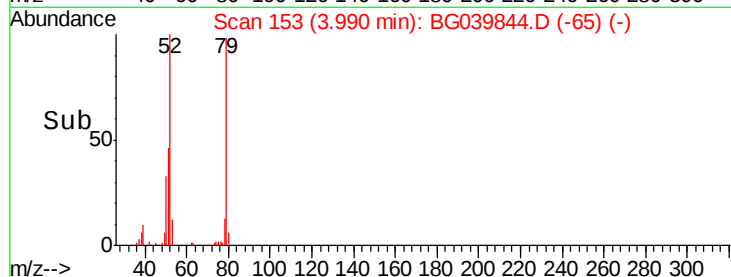
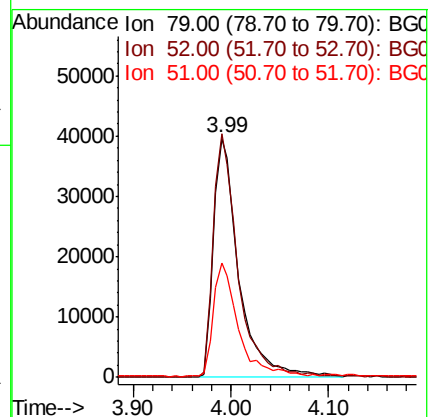
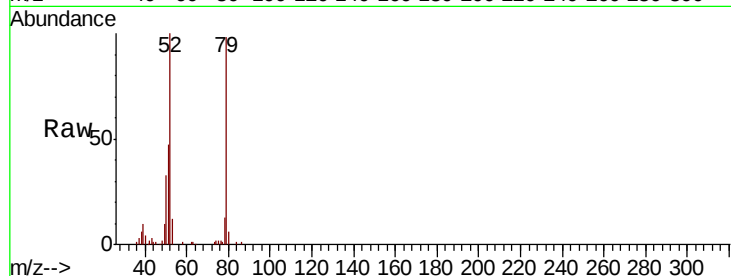
Tgt Ion: 79 Resp: 71438

Ion Ratio Lower Upper

79 100

52 101.9 82.6 124.0

51 48.0 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 37.162 ng

RT: 3.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

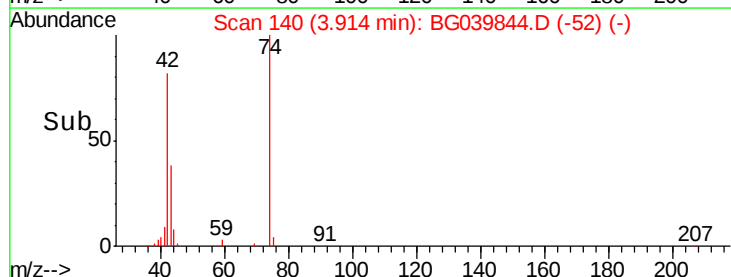
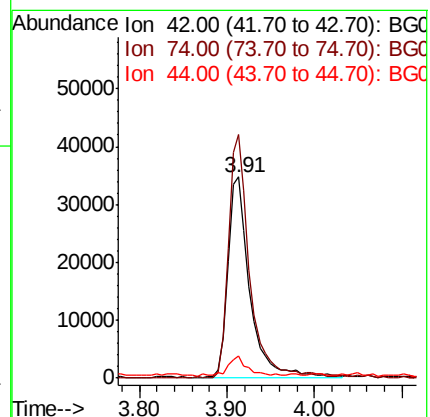
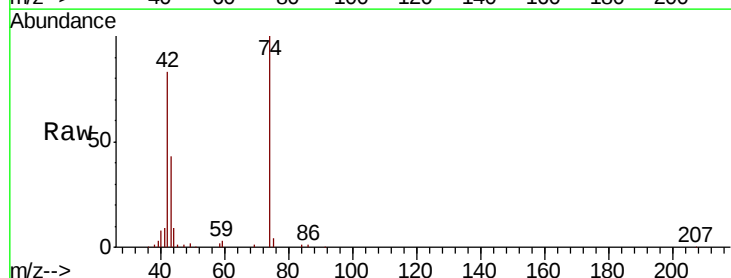
Tgt Ion: 42 Resp: 60908

Ion Ratio Lower Upper

42 100

74 121.1 83.6 125.4

44 11.0 6.9 10.3#





#5

2-Fluorophenol

Concen: 128.069 ng

RT: 5.70 min Scan# 444

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

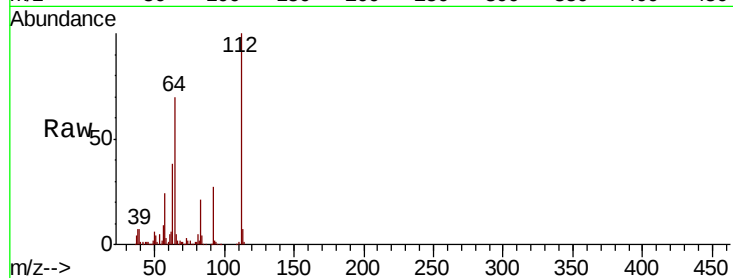
Tgt Ion: 112 Resp: 357991

Ion Ratio Lower Upper

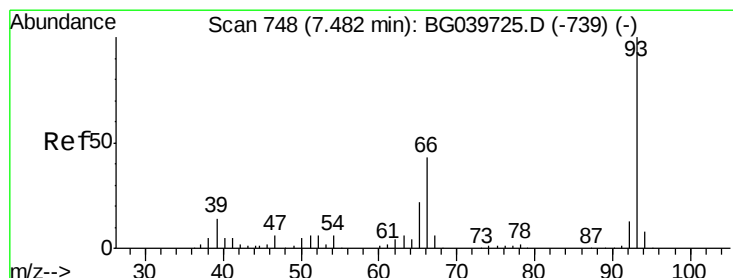
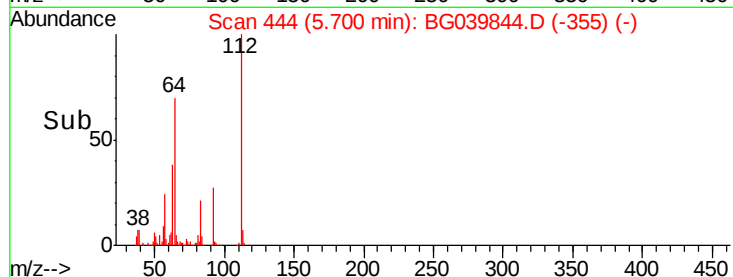
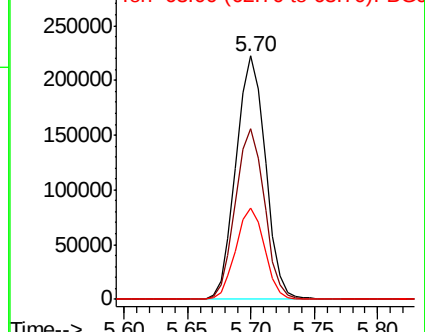
112 100

64 70.2 57.8 86.8

63 37.5 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: 14.029 ng

RT: 7.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

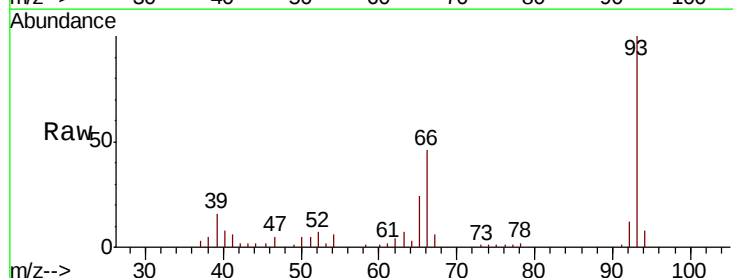
Tgt Ion: 93 Resp: 76605

Ion Ratio Lower Upper

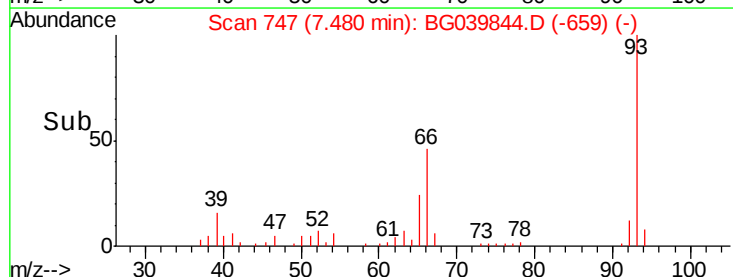
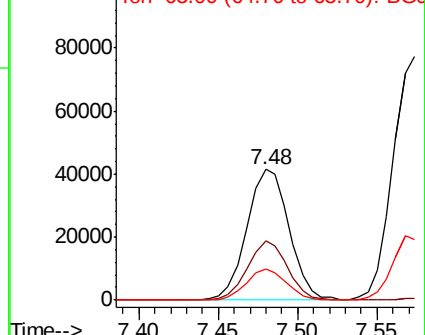
93 100

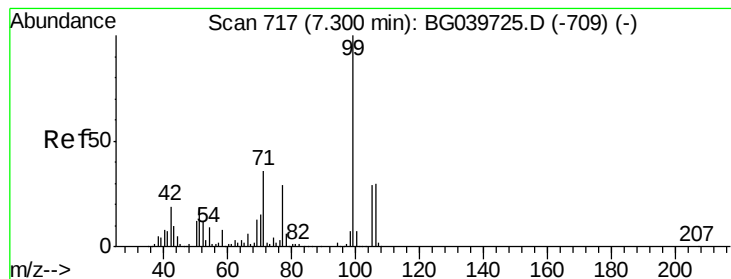
66 45.8 34.2 51.4

65 23.6 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: 128.285 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

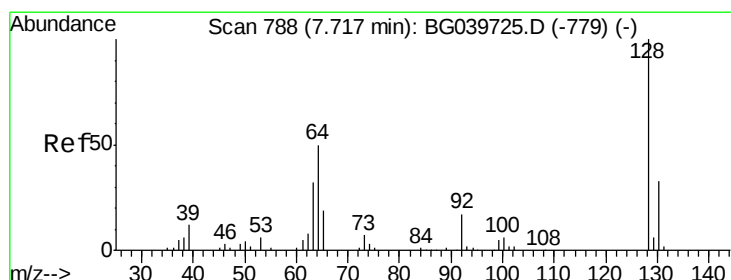
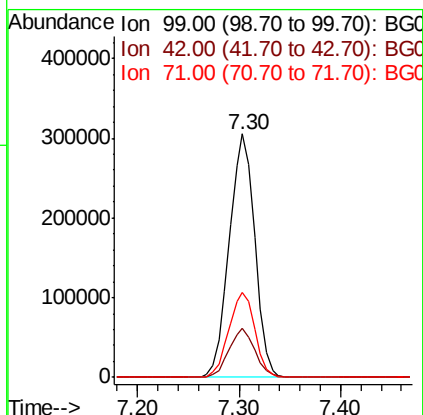
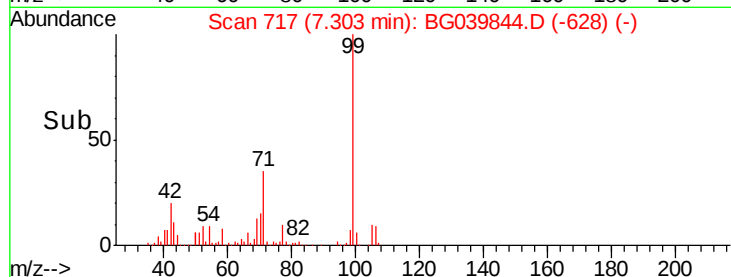
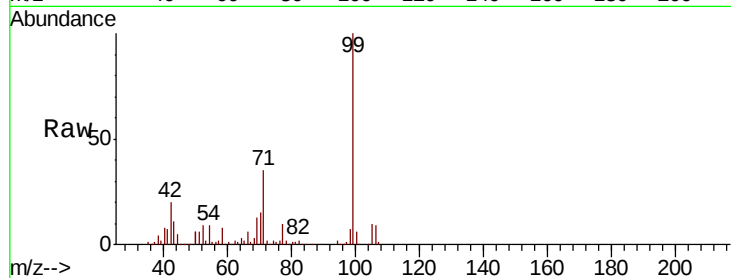
Tgt Ion: 99 Resp: 534686

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.2

71 35.0 28.0 42.0



#8

2-Chlorophenol

Concen: 38.227 ng

RT: 7.71 min Scan# 787

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

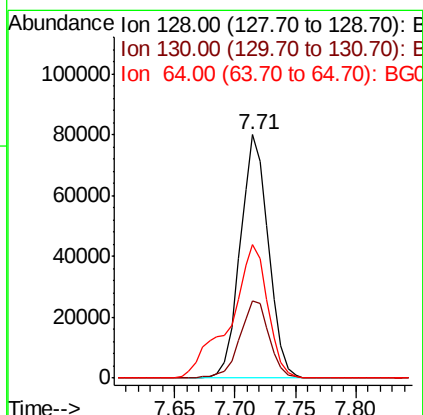
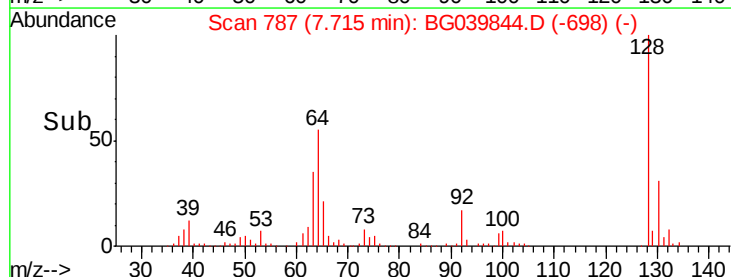
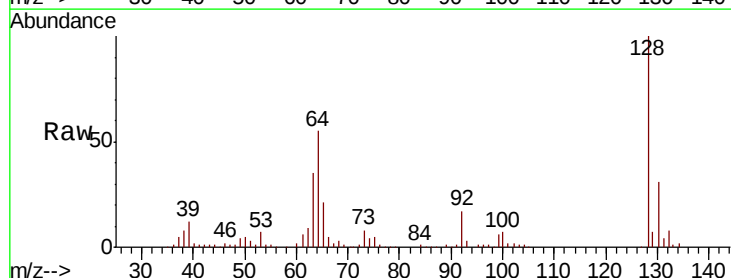
Tgt Ion: 128 Resp: 129636

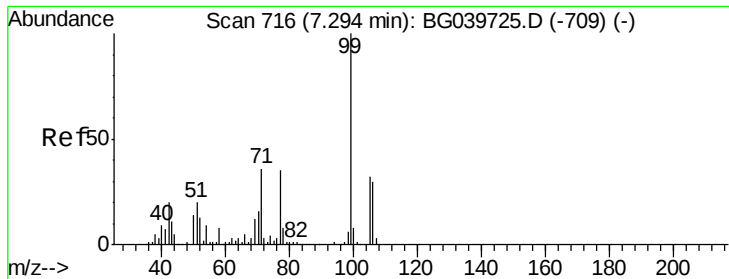
Ion Ratio Lower Upper

128 100

130 31.5 12.9 52.9

64 55.1 38.7 78.7





#9

Benzaldehyde

Concen: 26.386 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampled :

TP-13MSD

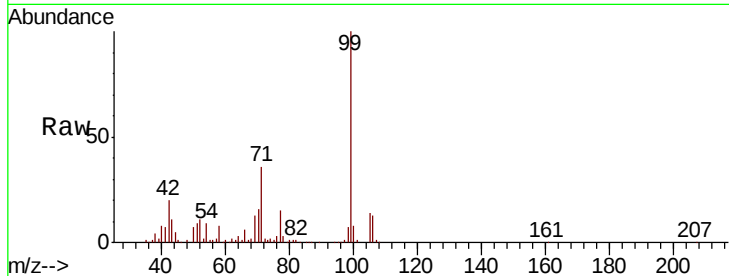
Tgt Ion: 77 Resp: 70940

Ion Ratio Lower Upper

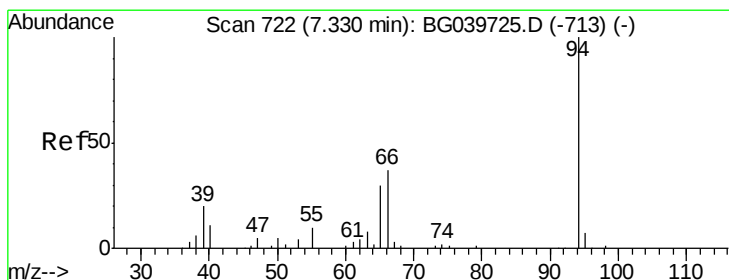
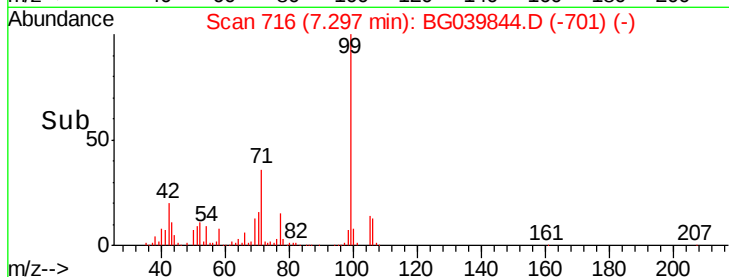
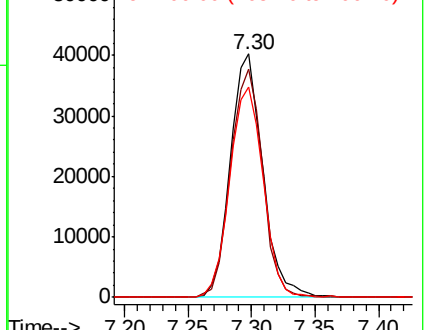
77 100

105 94.0 74.5 114.5

106 86.4 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: 43.056 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

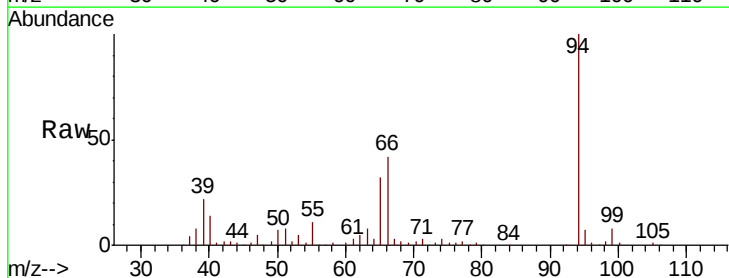
Tgt Ion: 94 Resp: 194406

Ion Ratio Lower Upper

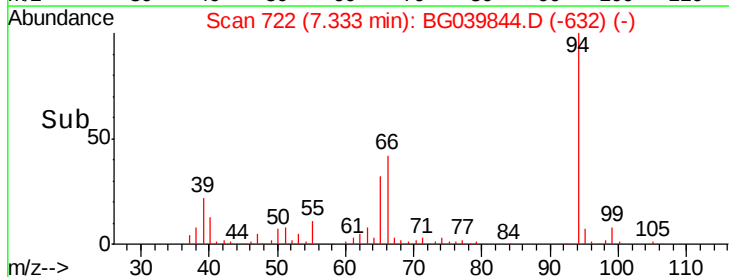
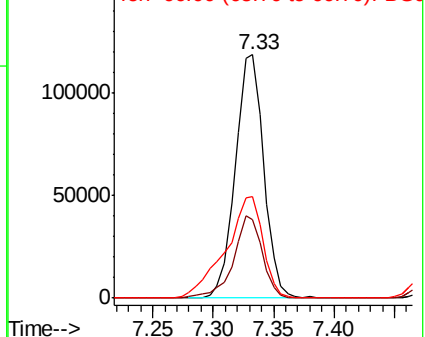
94 100

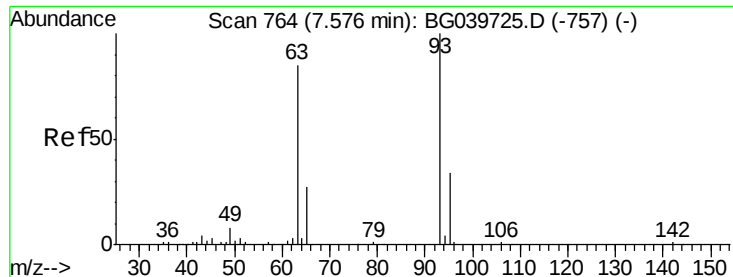
65 32.4 11.7 51.7

66 41.6 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

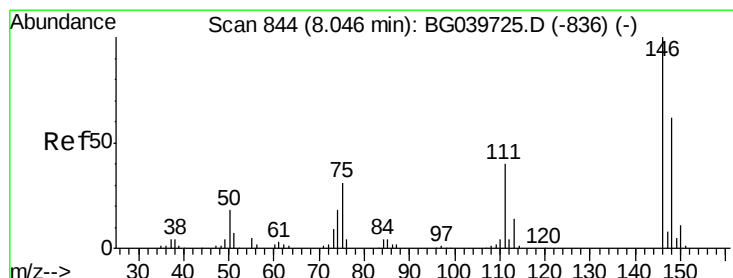
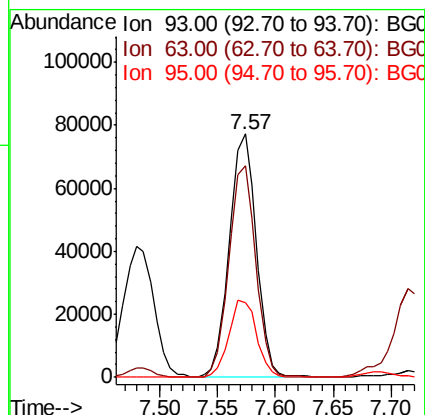
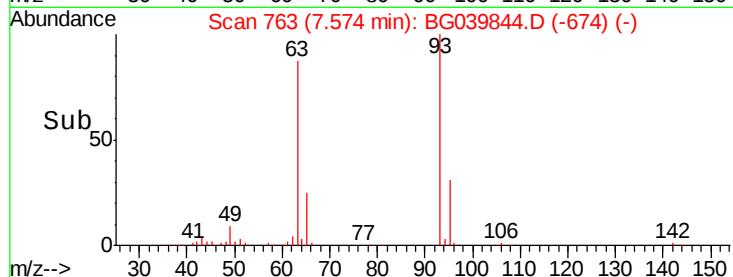
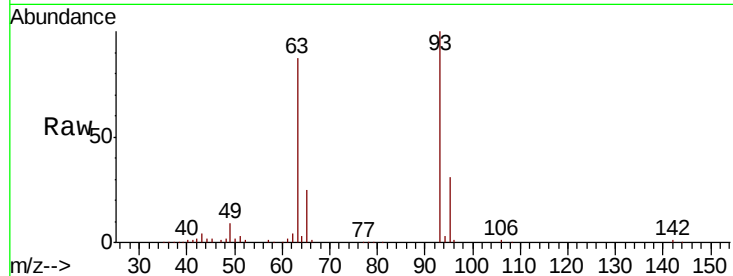




#11
bis(2-Chloroethyl)ether
Concen: 35.727 ng
RT: 7.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

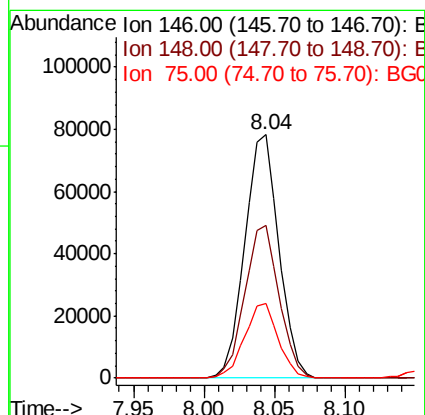
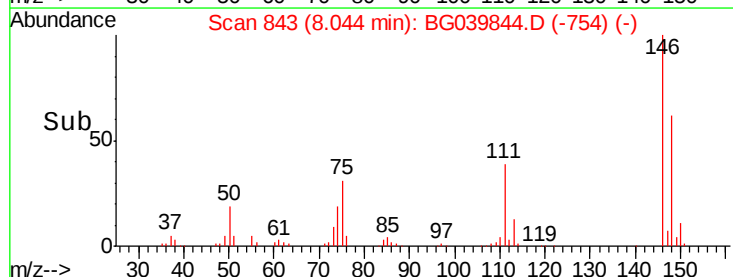
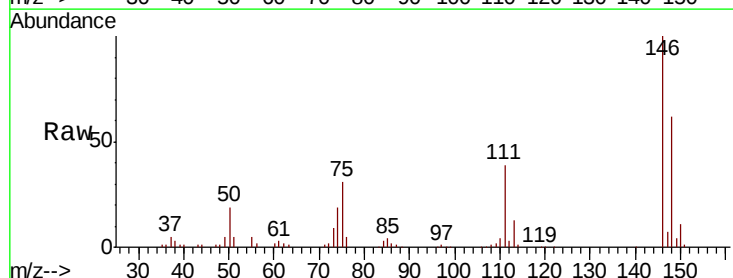
Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion: 93 Resp: 125774
Ion Ratio Lower Upper
93 100
63 87.0 69.5 109.5
95 30.8 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 34.555 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion: 146 Resp: 132532
Ion Ratio Lower Upper
146 100
148 62.5 52.6 79.0
75 30.6 25.8 38.6

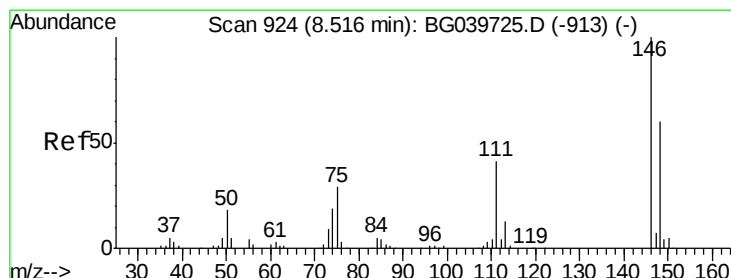
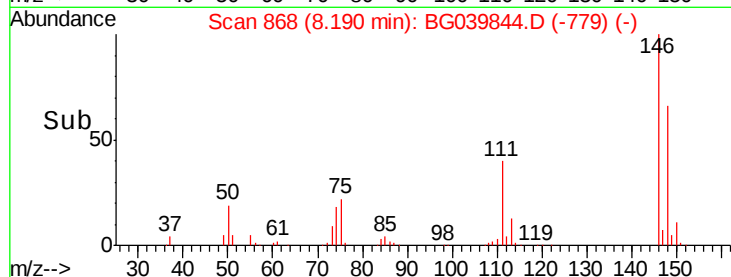
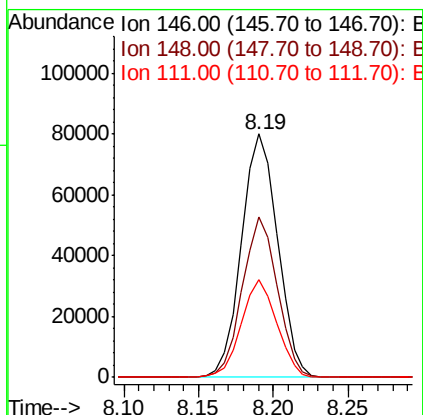
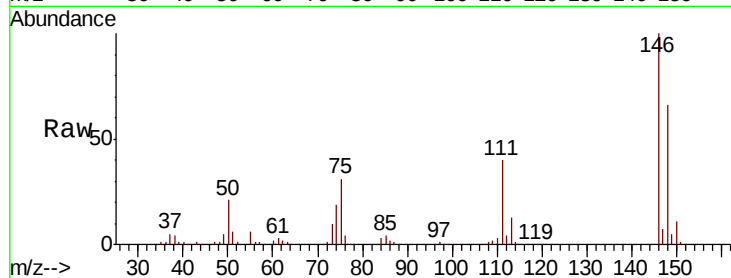




#13
 1,4-Dichlorobenzene
 Concen: 34.373 ng
 RT: 8.19 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

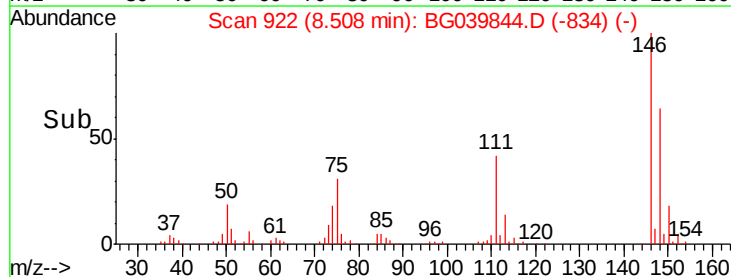
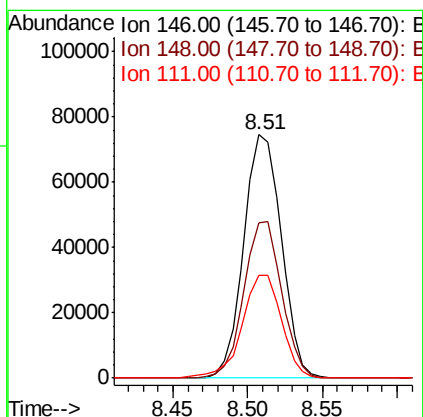
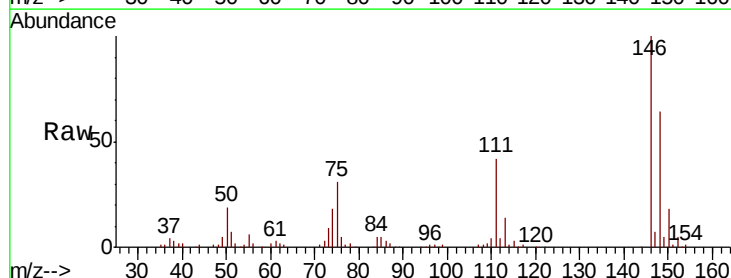
Instrument :
 BNA_G
 ClientSampleId :
 TP-13MSD

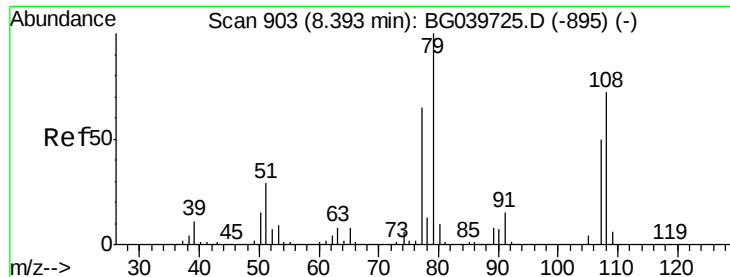
Tgt Ion:146 Resp: 134283
 Ion Ratio Lower Upper
 146 100
 148 65.7 51.1 76.7
 111 40.4 32.6 48.8



#14
 1,2-Dichlorobenzene
 Concen: 34.421 ng
 RT: 8.51 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Tgt Ion:146 Resp: 129926
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.5 77.3
 111 42.3 33.8 50.6





#15

Benzyl Alcohol

Concen: 38.874 ng

RT: 8.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

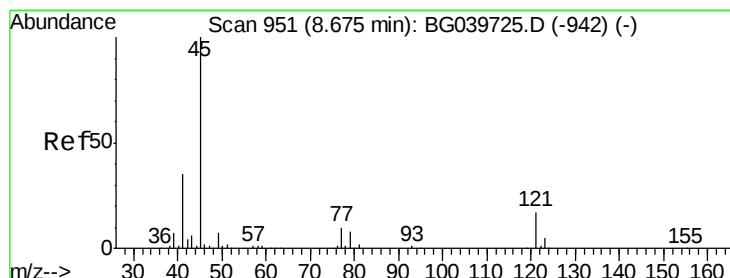
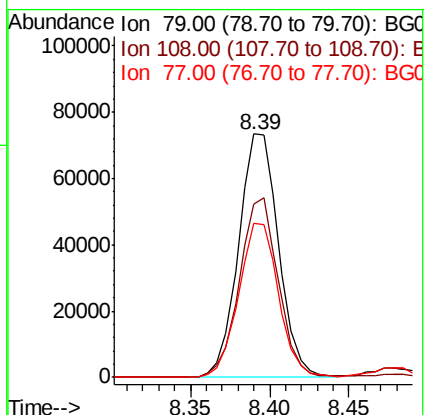
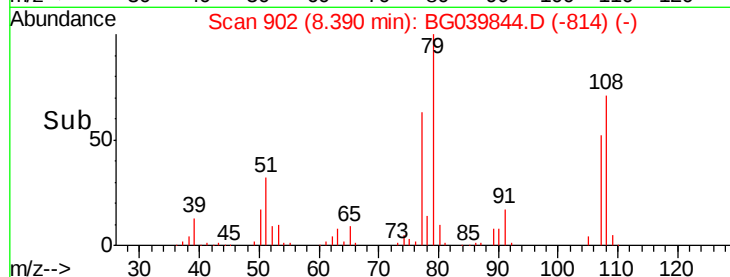
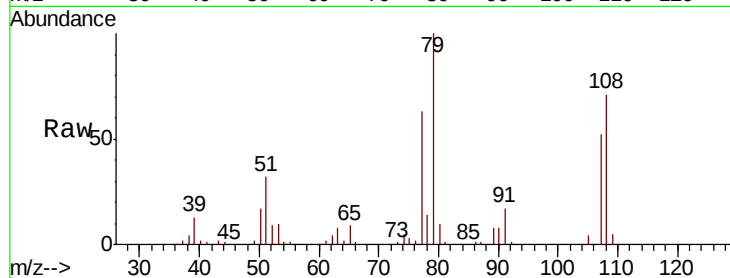
Tgt Ion: 79 Resp: 128525

Ion Ratio Lower Upper

79 100

108 71.1 57.8 86.6

77 63.2 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.720 ng

RT: 8.67 min Scan# 949

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

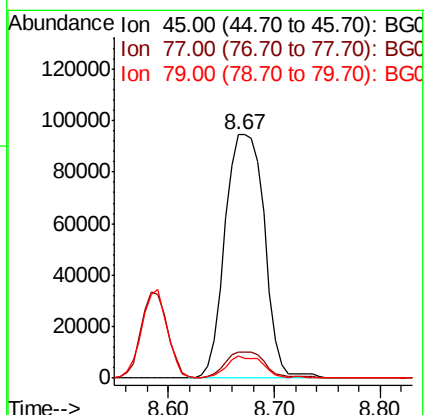
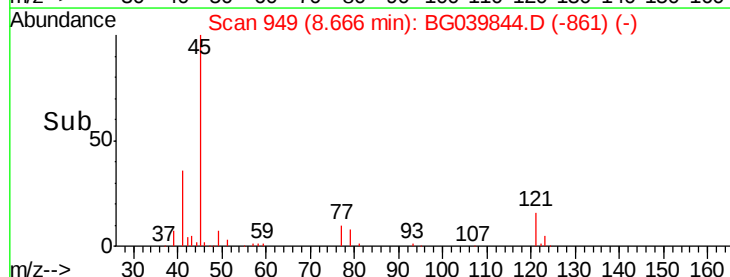
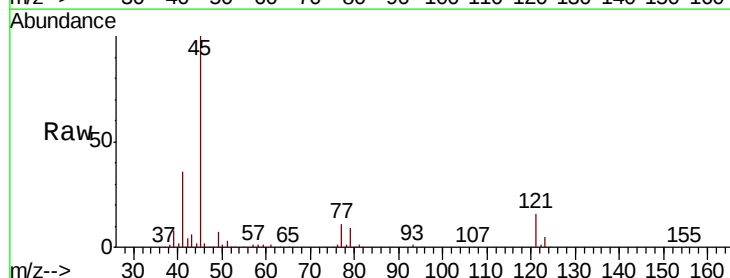
Tgt Ion: 45 Resp: 244456

Ion Ratio Lower Upper

45 100

77 10.9 0.0 30.0

79 8.9 0.0 27.5

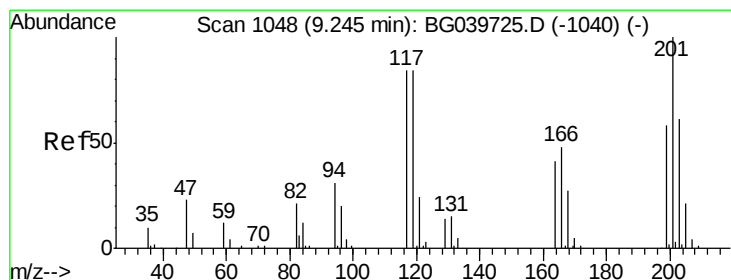
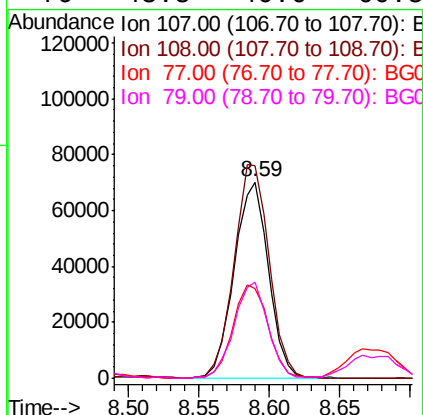
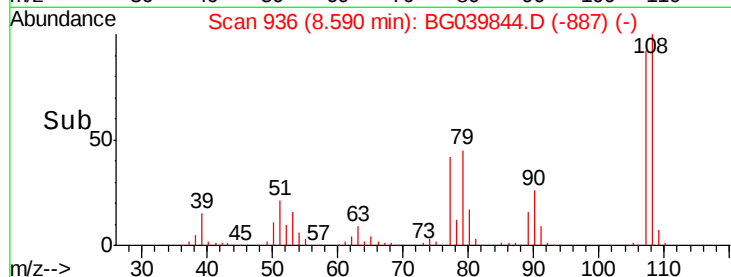
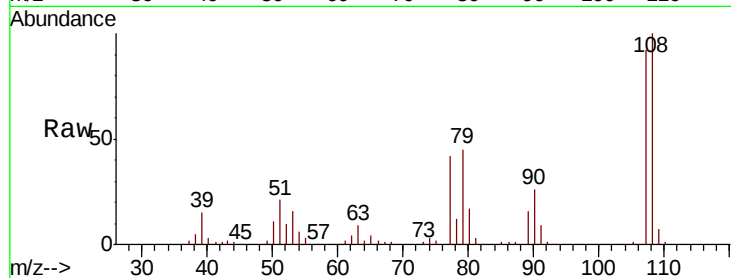




#17
2-Methylphenol
Concen: 41.443 ng
RT: 8.59 min Scan# 936
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

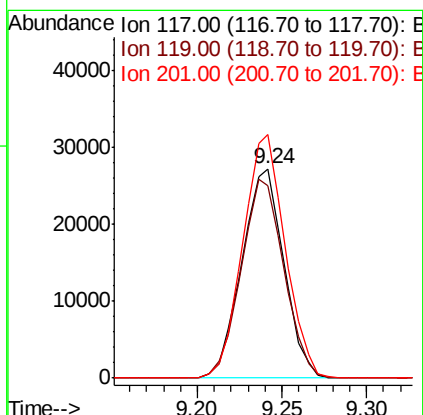
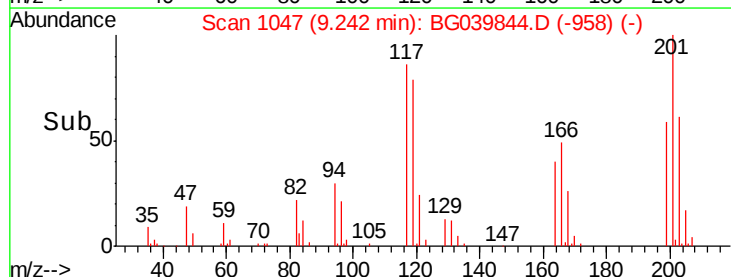
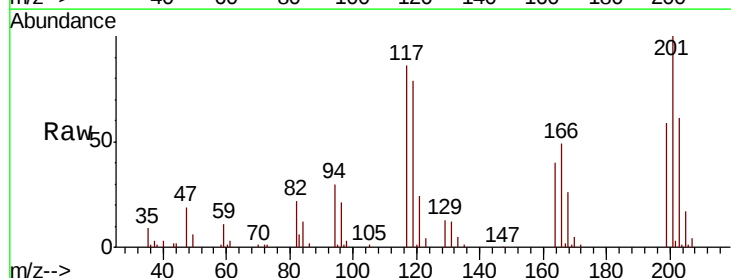
Instrument :
BNA_G
ClientSampleId :
TP-13MSD

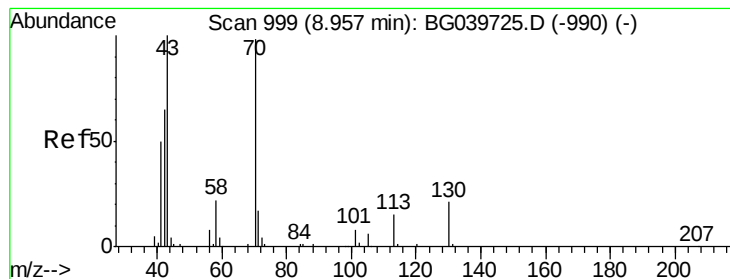
Tgt Ion:	107	Resp:	119319
Ion	Ratio	Lower	Upper
107	100		
108	108.3	90.8	136.2
77	46.0	40.7	61.1
79	48.8	40.6	60.8



#18
Hexachloroethane
Concen: 33.616 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion:	117	Resp:	47122
Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.3	114.5
201	116.3	91.1	136.7





#19

n-Nitroso-di-n-propylamine

Concen: 35.326 ng

RT: 8.95 min Scan# 998

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

Tgt Ion: 70 Resp: 105977

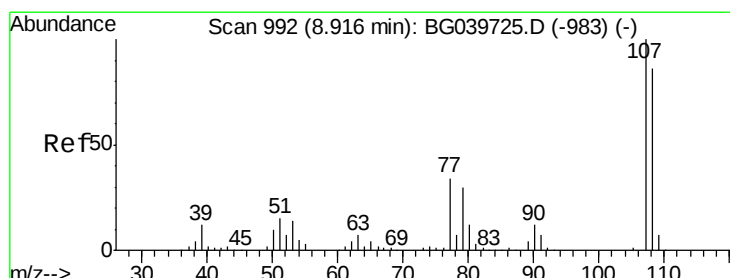
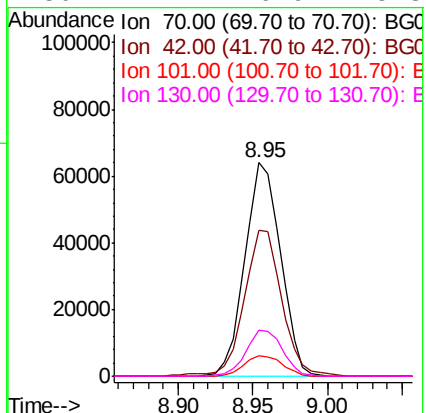
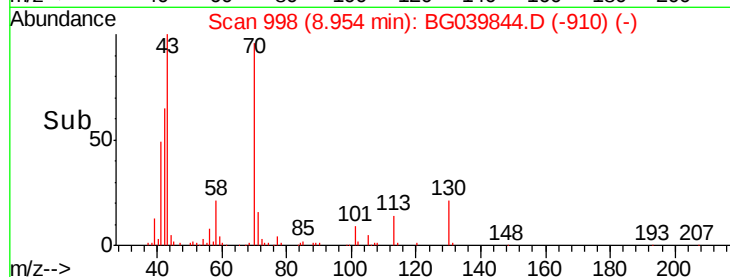
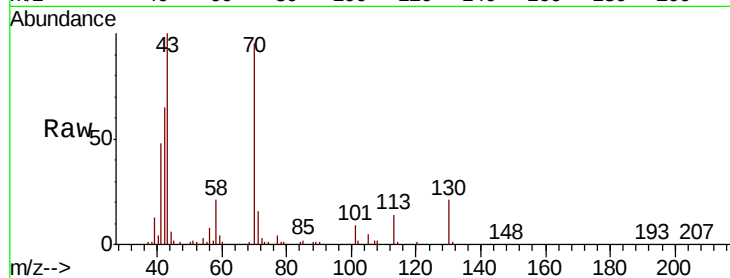
Ion Ratio Lower Upper

70 100

42 68.2 60.4 90.6

101 9.7 7.5 11.3

130 21.7 16.9 25.3



#20

3+4-Methylphenols

Concen: 41.056 ng

RT: 8.91 min Scan# 991

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Tgt Ion: 107 Resp: 164211

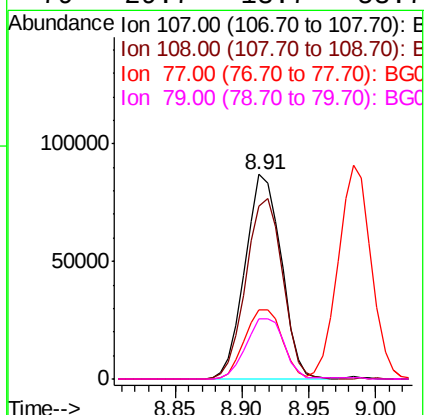
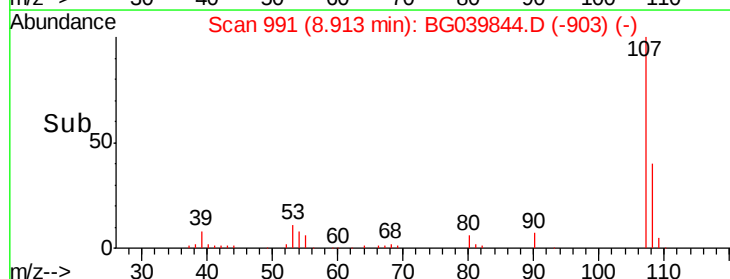
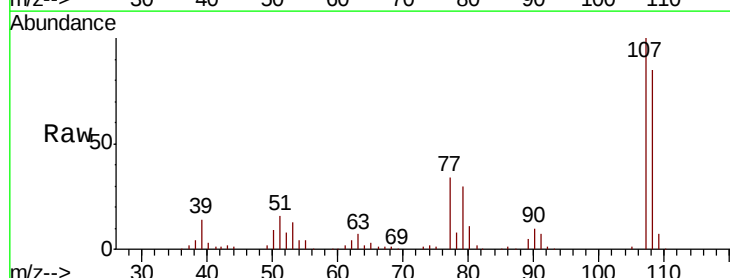
Ion Ratio Lower Upper

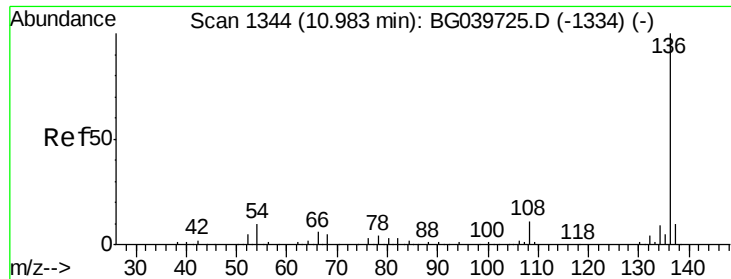
107 100

108 84.7 67.9 107.9

77 33.7 15.4 55.4

79 29.7 13.7 53.7

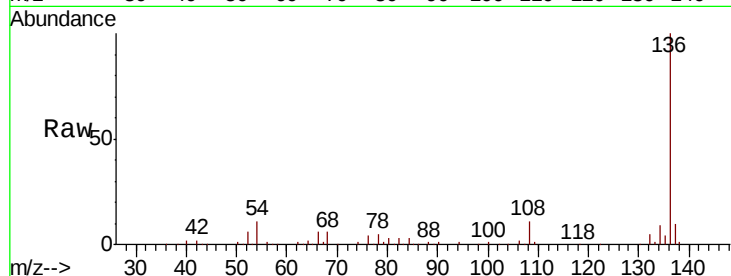




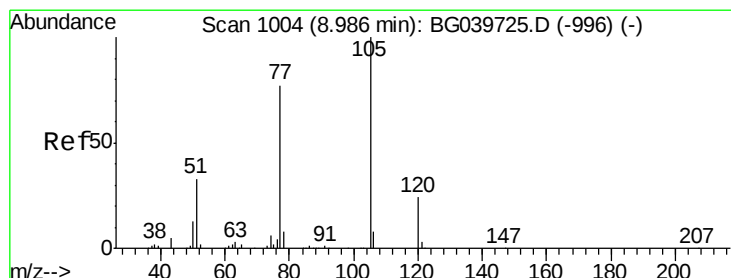
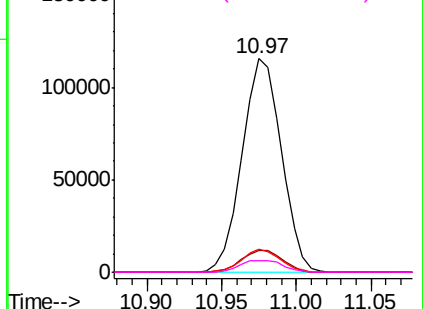
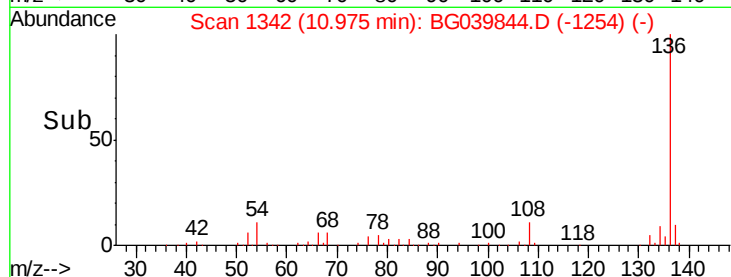
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion:	136	Resp:	210647
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	10.7	9.4	14.2
68	5.6	4.2	6.4

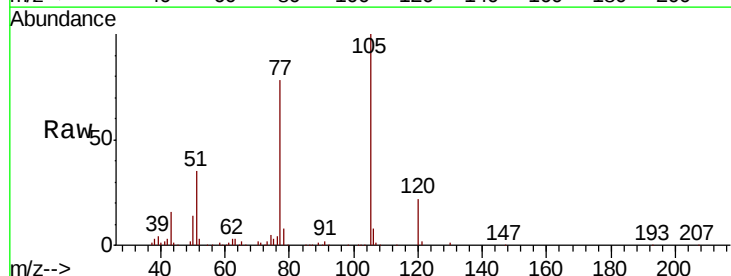


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

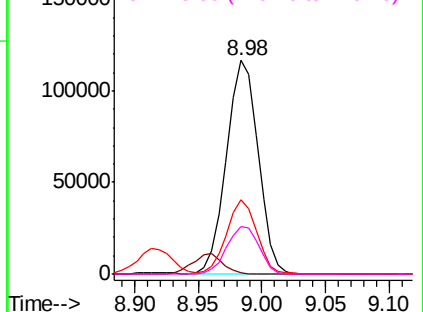
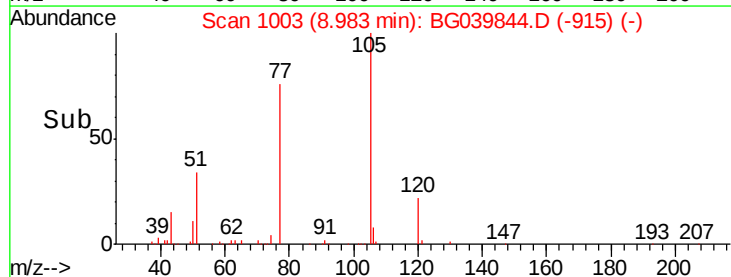


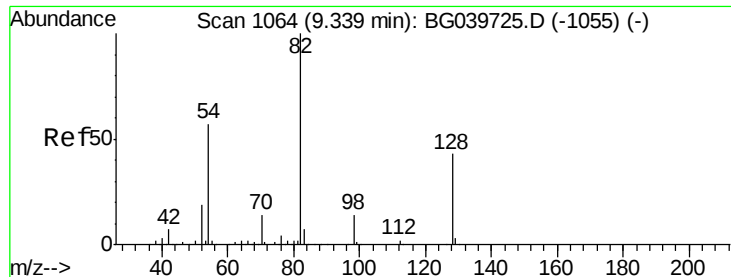
#22
Acetophenone
Concen: 35.636 ng
RT: 8.98 min Scan# 1003
Delta R.T. -0.02 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion:	105	Resp:	201473
Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.8	1.2#
51	34.6	30.2	45.2
120	21.9	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

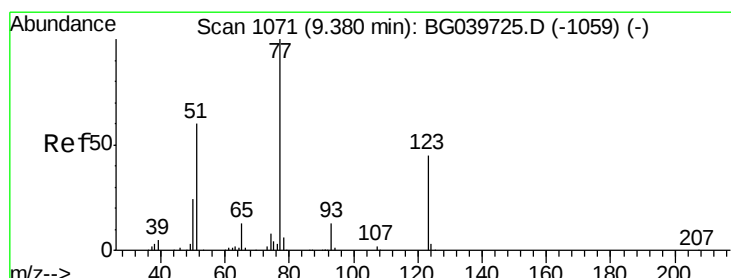
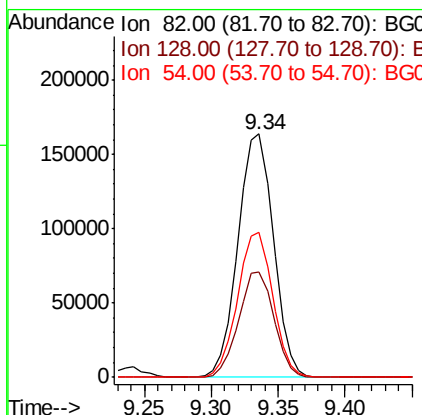
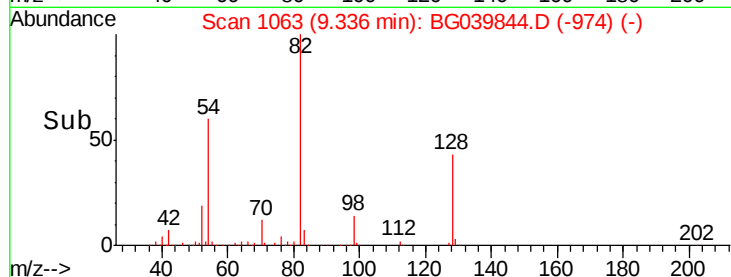
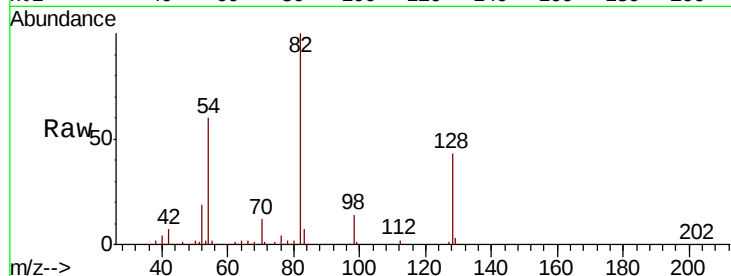




#23
 Nitrobenzene-d5
 Concen: 77.480 ng
 RT: 9.34 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

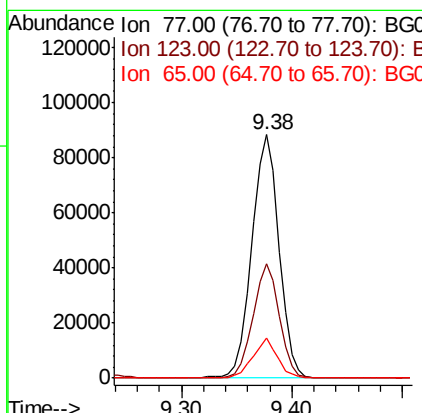
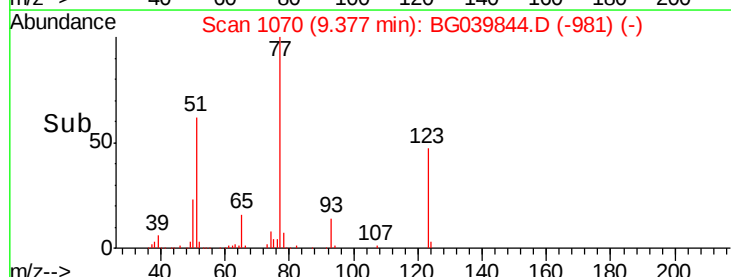
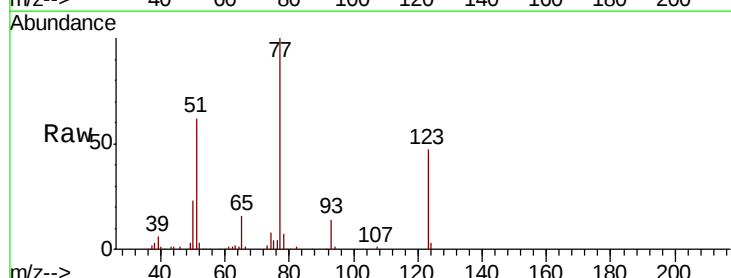
Instrument :
 BNA_G
 ClientSampleId :
 TP-13MSD

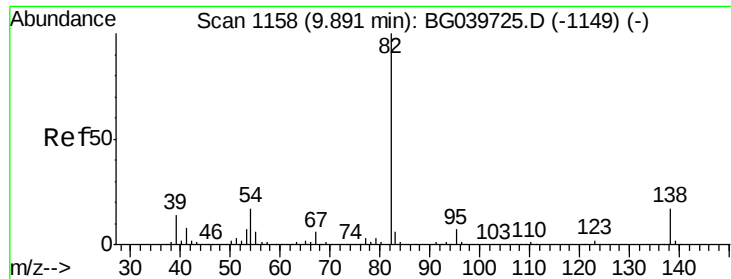
Tgt Ion: 82 Resp: 301771
 Ion Ratio Lower Upper
 82 100
 128 43.2 31.3 46.9
 54 59.5 50.9 76.3



#24
 Nitrobenzene
 Concen: 37.292 ng
 RT: 9.38 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Tgt Ion: 77 Resp: 152374
 Ion Ratio Lower Upper
 77 100
 123 46.8 34.1 51.1
 65 16.4 12.3 18.5

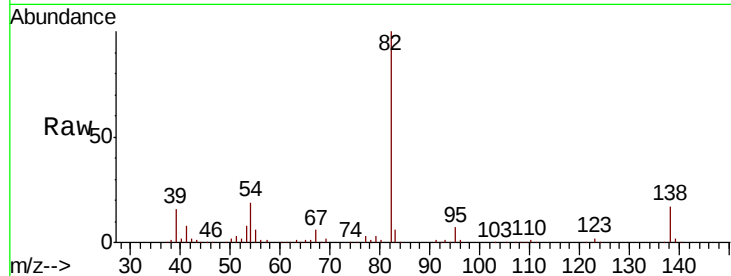




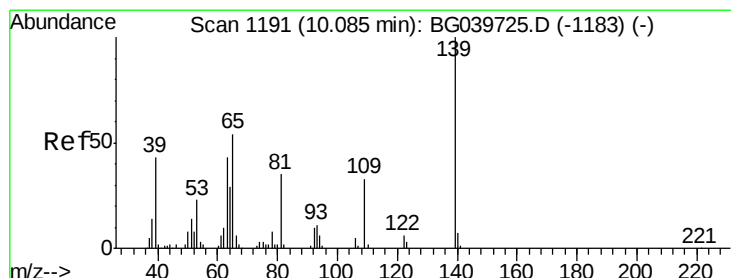
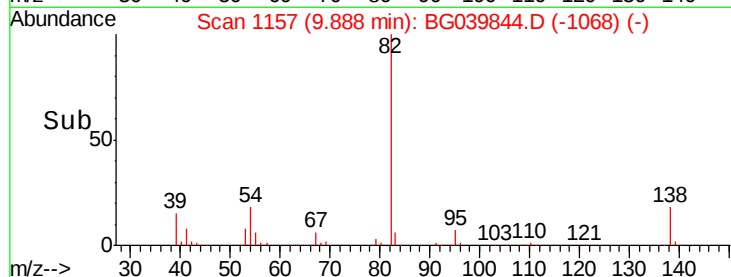
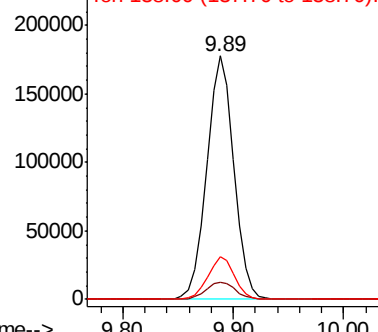
#25
Isophorone
Concen: 37.336 ng
RT: 9.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion: 82 Resp: 304695
Ion Ratio Lower Upper
82 100
95 7.2 6.2 9.2
138 17.3 13.0 19.4

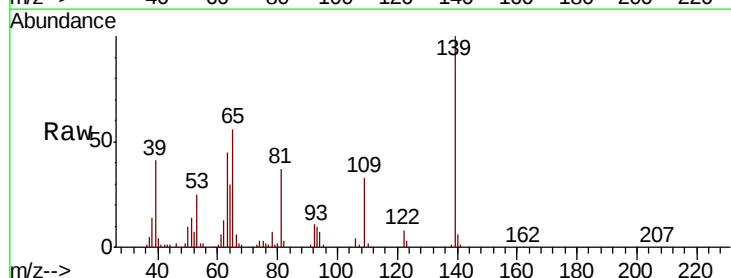


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

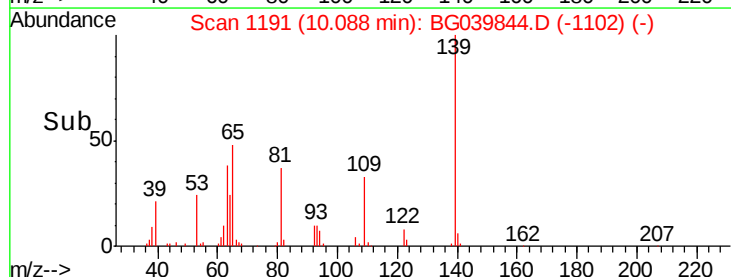
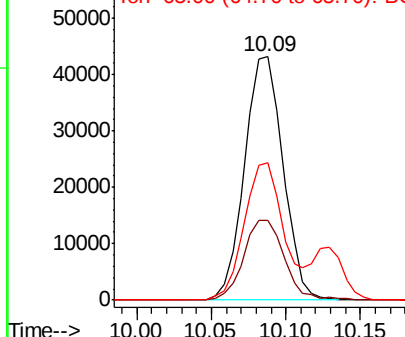


#26
2-Nitrophenol
Concen: 39.031 ng
RT: 10.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion: 139 Resp: 76999
Ion Ratio Lower Upper
139 100
109 32.6 23.4 35.0
65 56.3 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

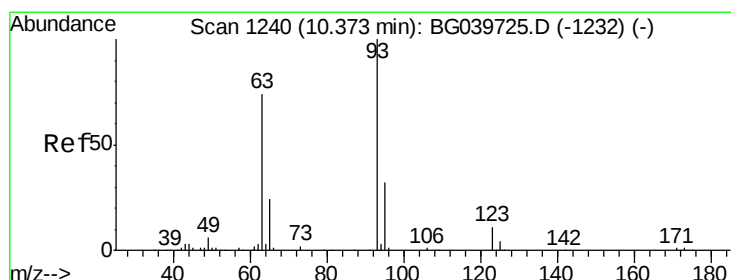
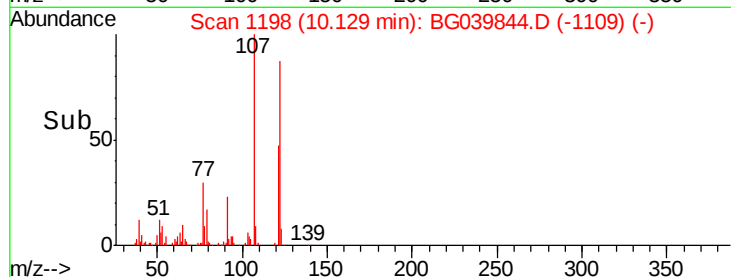
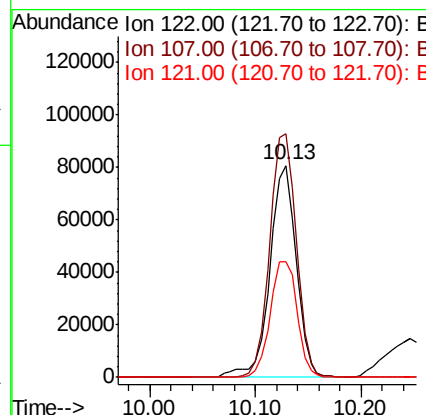
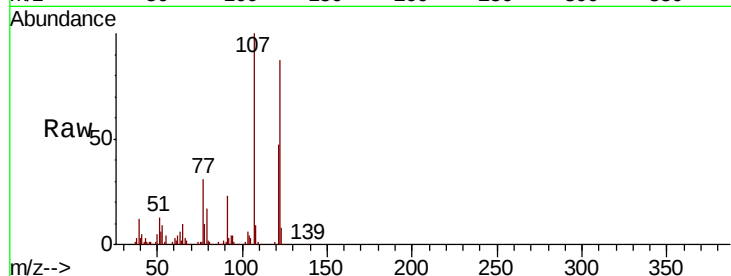




#27
2,4-Dimethylphenol
Concen: 45.589 ng
RT: 10.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

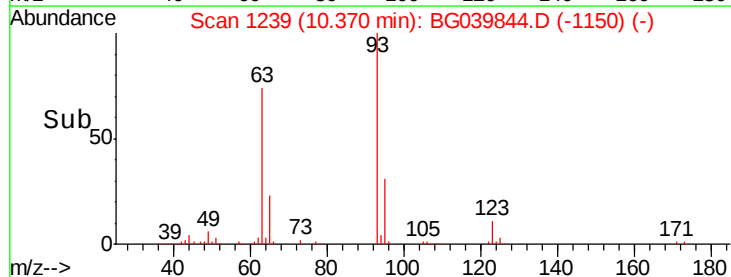
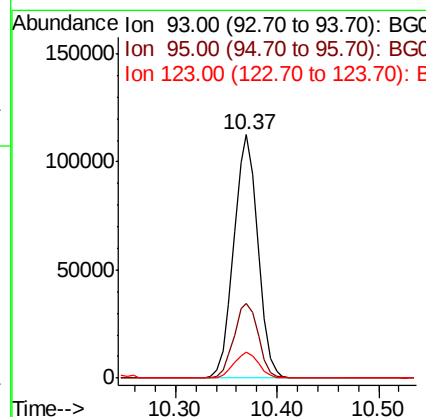
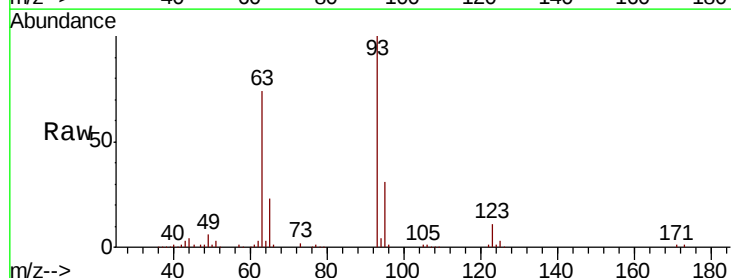
Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion	Ratio	Lower	Upper
122	100		
107	115.0	91.7	137.5
121	54.4	46.4	69.6



#28
bis(2-Chloroethoxy)methane
Concen: 37.256 ng
RT: 10.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	30.9	25.0	37.4
123	10.7	8.6	12.8

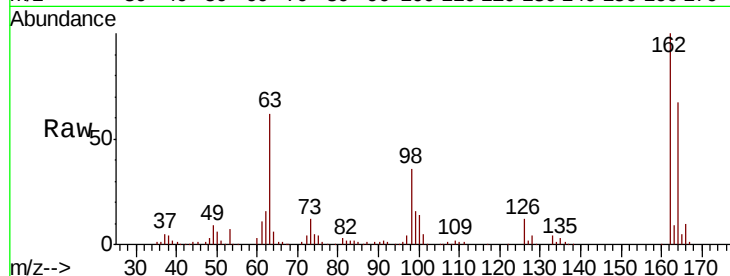




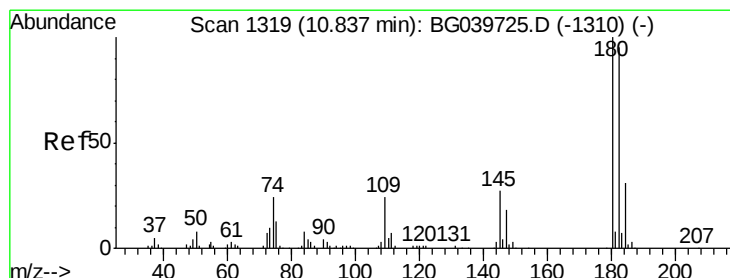
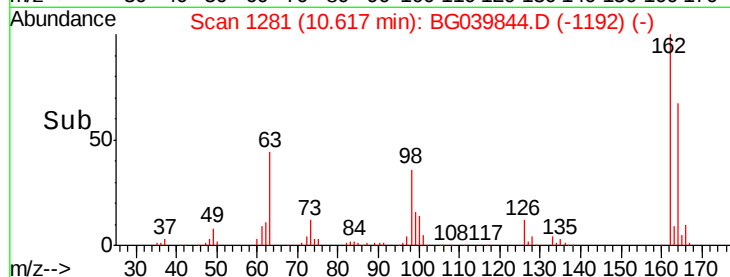
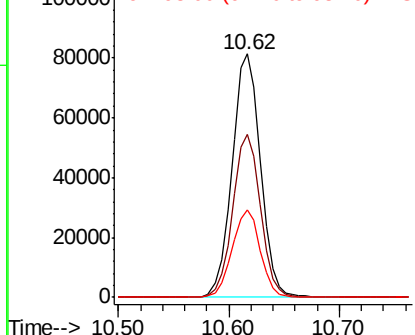
#29
2,4-Dichlorophenol
Concen: 42.462 ng
RT: 10.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion:162 Resp: 146683
Ion Ratio Lower Upper
162 100
164 66.8 48.1 88.1
98 35.8 18.1 58.1

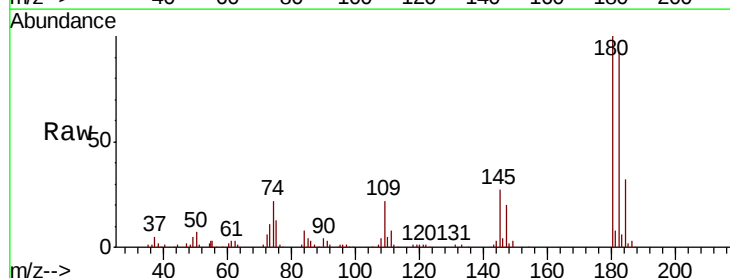


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

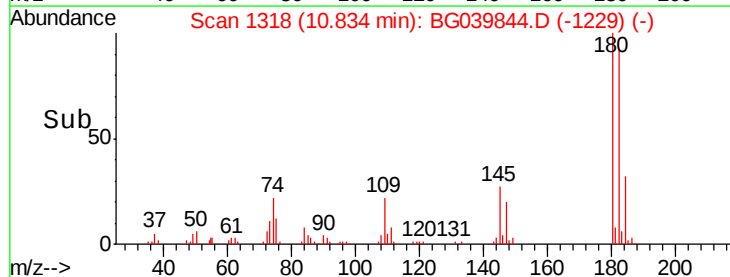
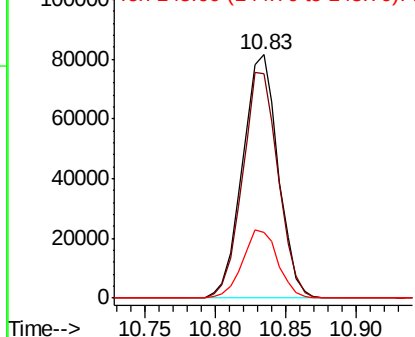


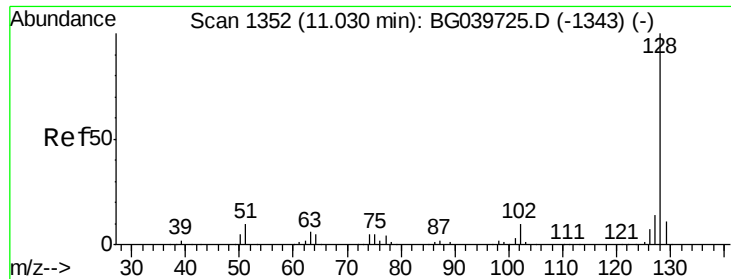
#30
1,2,4-Trichlorobenzene
Concen: 37.047 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion:180 Resp: 144009
Ion Ratio Lower Upper
180 100
182 92.2 76.0 114.0
145 26.9 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

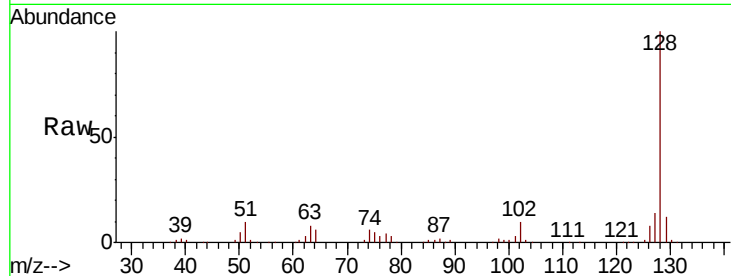




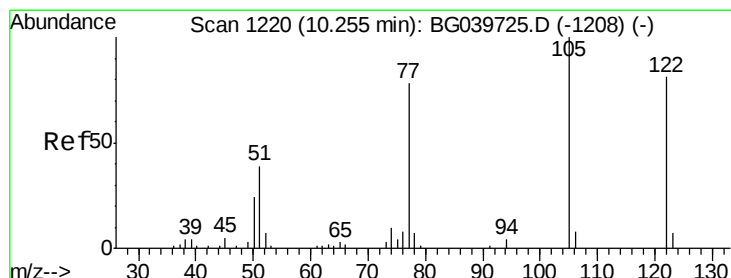
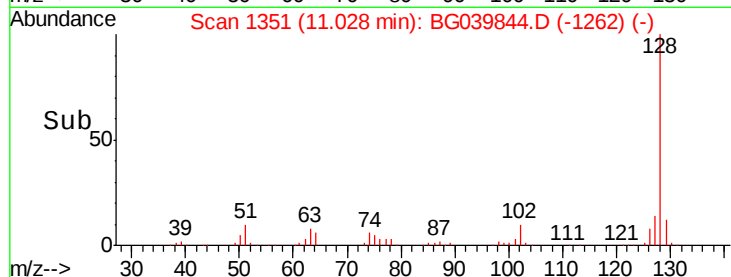
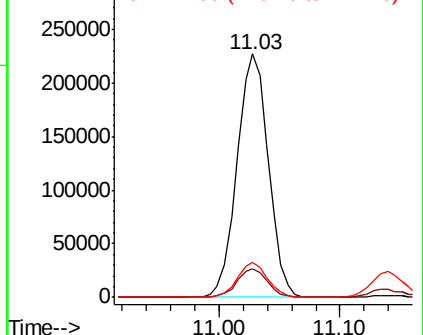
#31
Naphthalene
Concen: 36.764 ng
RT: 11.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion:128 Resp: 410029
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 14.1 10.8 16.2

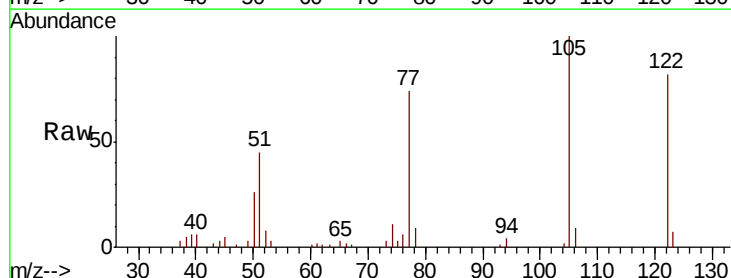


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

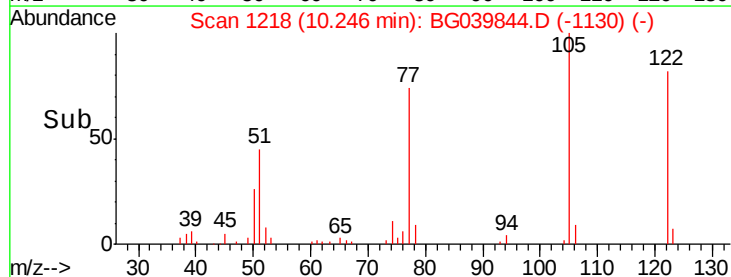
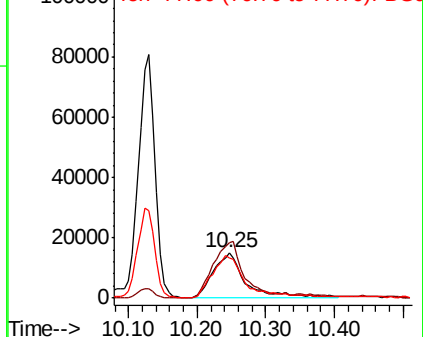


#32
Benzoic acid
Concen: 27.118 ng
RT: 10.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion:122 Resp: 50116
Ion Ratio Lower Upper
122 100
105 121.3 101.8 141.8
77 89.5 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

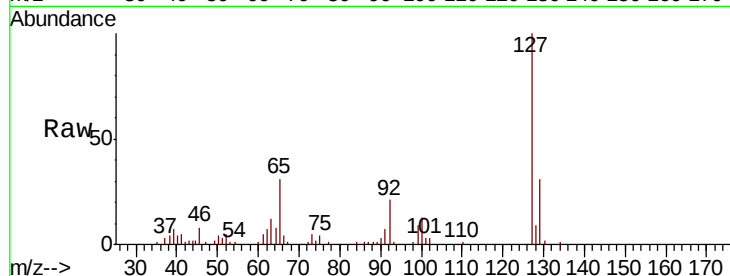




#33
4-Chloroaniline
Concen: 9.951 ng
RT: 11.14 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion:	127	Resp:	47061
Ion	Ratio	Lower	Upper
127	100		
129	31.4	27.0	40.4
65	30.8	28.8	43.2
92	20.5	16.6	25.0



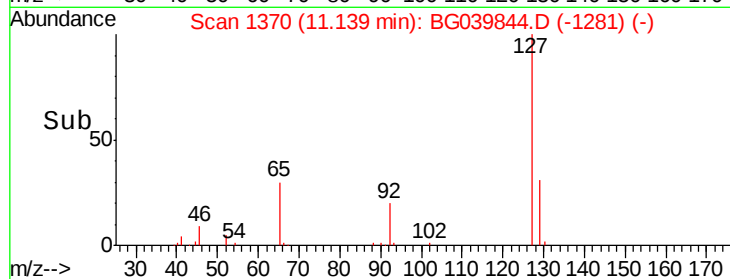
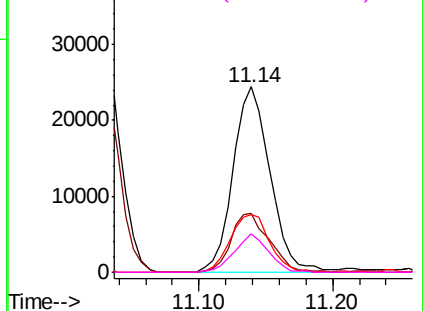
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

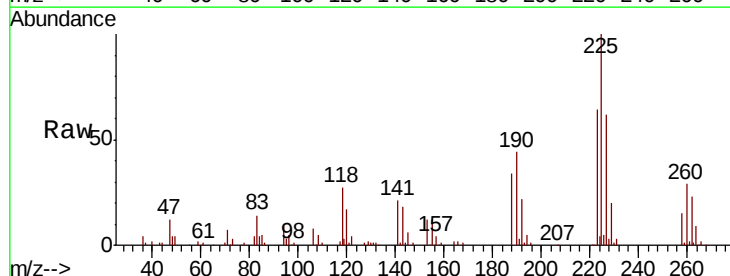
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 34.082 ng
RT: 11.29 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion:	225	Resp:	90531
Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.0	73.6
227	61.6	46.3	69.5

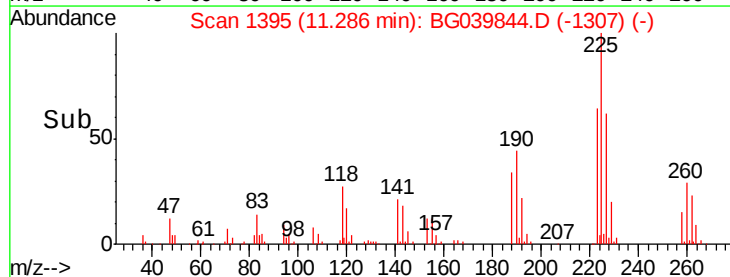
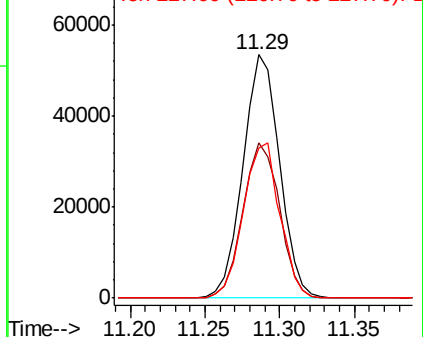


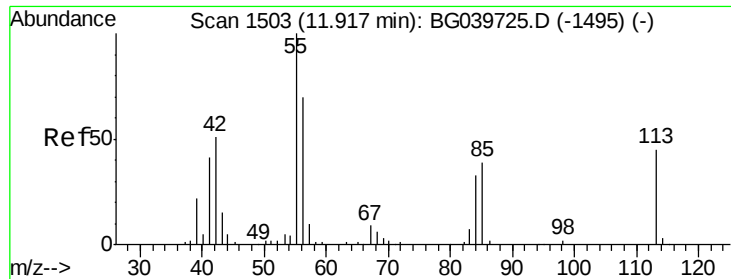
Abundance

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

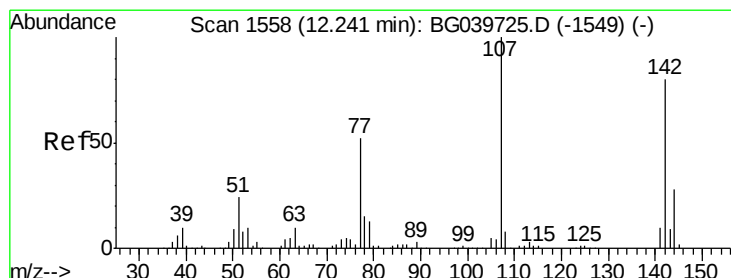
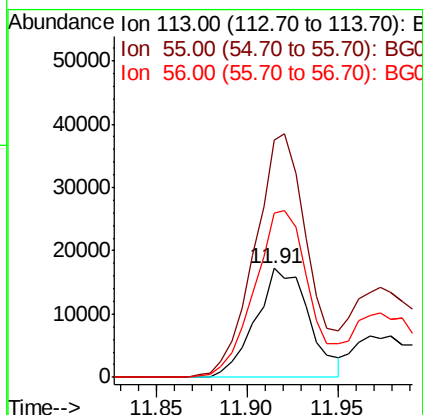
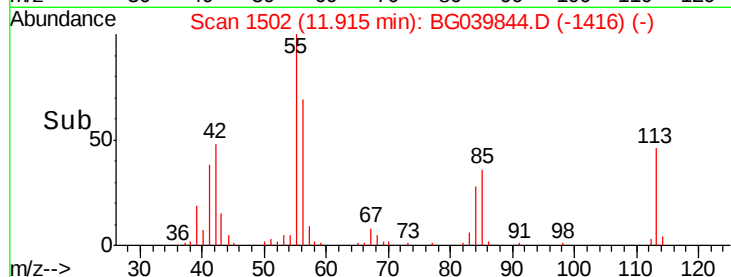
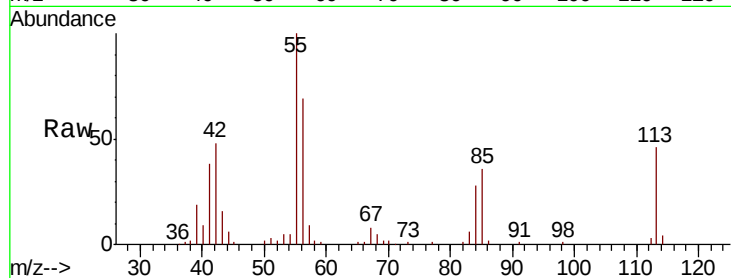




#35
 Caprolactam
 Concen: 26.613 ng
 RT: 11.91 min Scan# 1502
 Delta R.T. -0.03 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

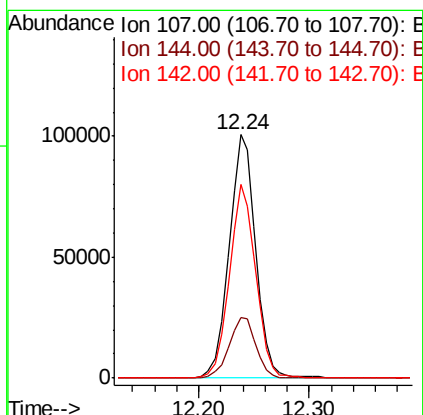
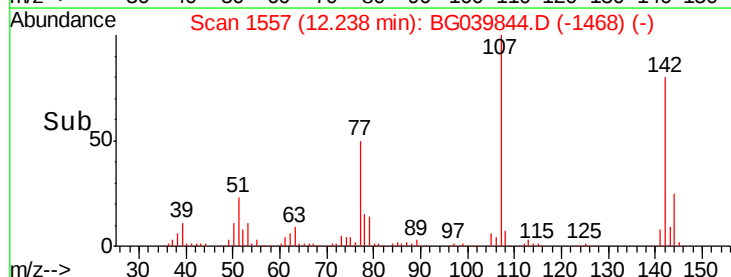
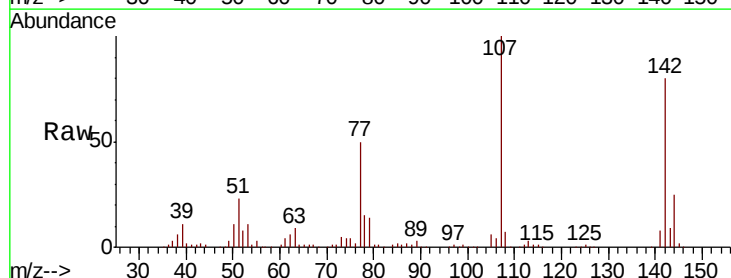
Instrument :
 BNA_G
 ClientSampleId :
 TP-13MSD

Tgt Ion:113 Resp: 35118
 Ion Ratio Lower Upper
 113 100
 55 217.3 216.9 256.9
 56 150.5 152.6 192.6#



#36
 4-Chloro-3-methylphenol
 Concen: 42.591 ng
 RT: 12.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Tgt Ion:107 Resp: 168657
 Ion Ratio Lower Upper
 107 100
 144 24.6 20.2 30.2
 142 79.6 61.4 92.2

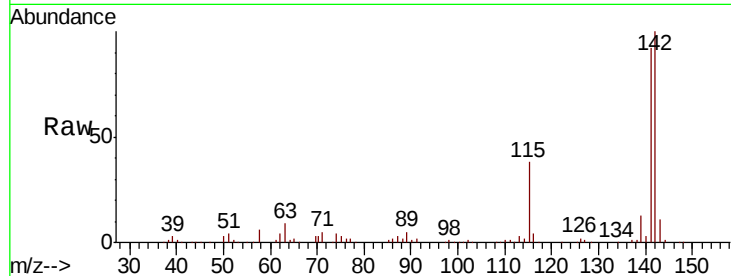




#37
 2-Methylnaphthalene
 Concen: 37.915 ng
 RT: 12.62 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Instrument :
 BNA_G
 ClientSampleId :
 TP-13MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.5	110.3
115	37.5	30.8	46.2

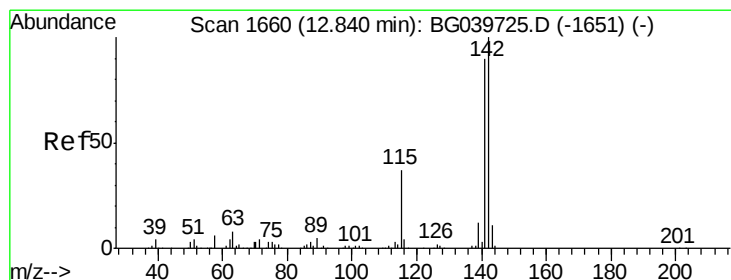
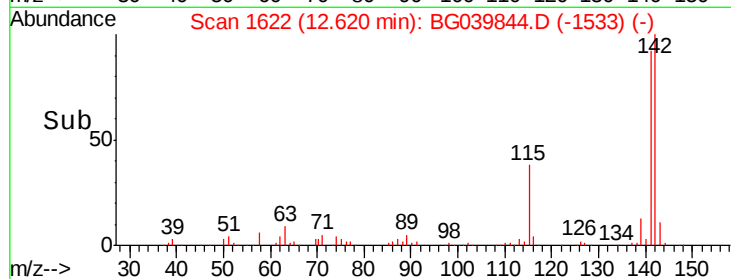
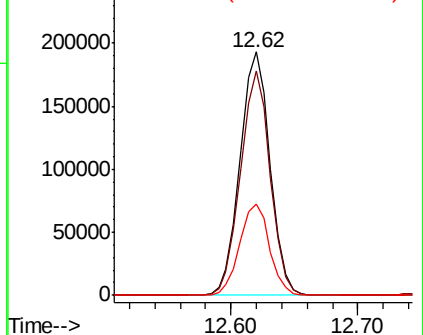


Abundance

Ion 142.00 (141.70 to 142.70): E

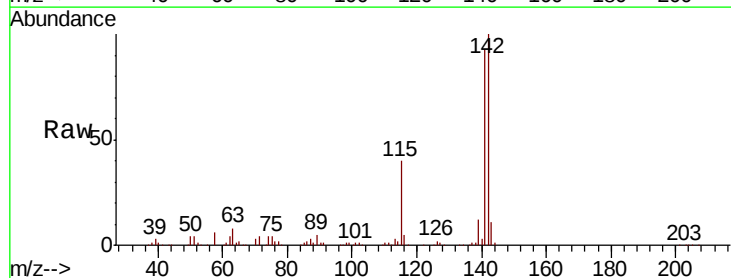
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 1-Methylnaphthalene
 Concen: 37.487 ng
 RT: 12.84 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.2	111.4
116	4.6	3.0	4.6

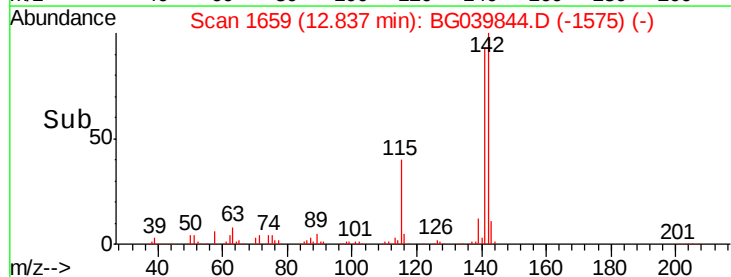
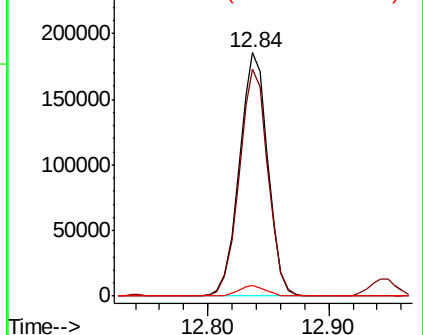


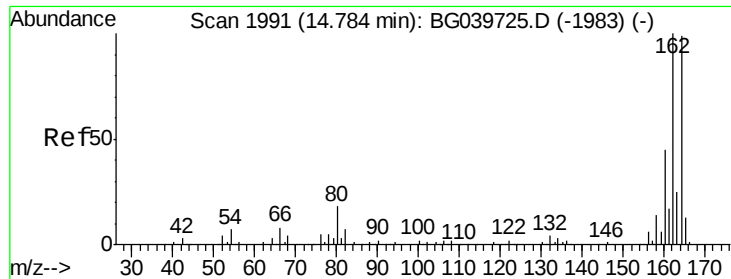
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampled :

TP-13MSD

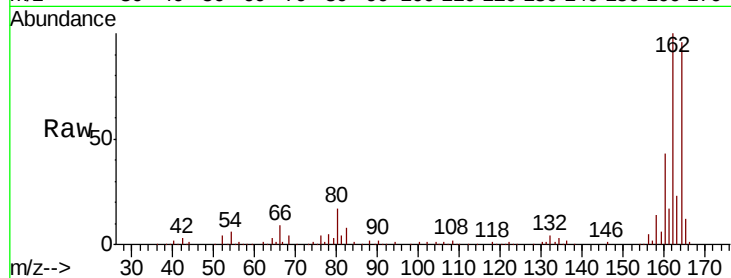
Tgt Ion:164 Resp: 151273

Ion Ratio Lower Upper

164 100

162 104.0 81.6 122.4

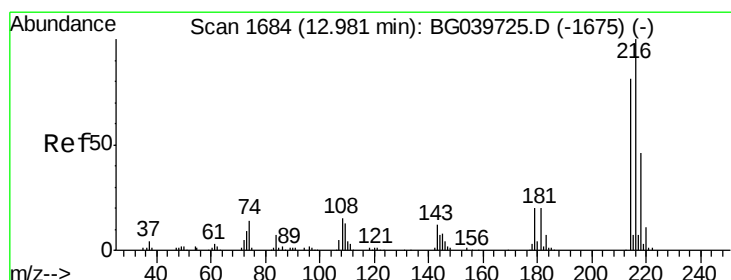
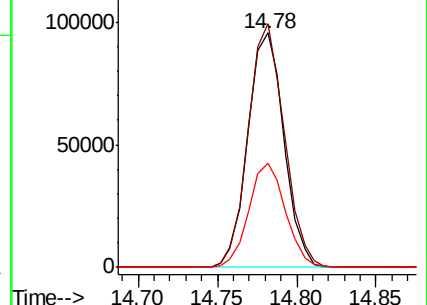
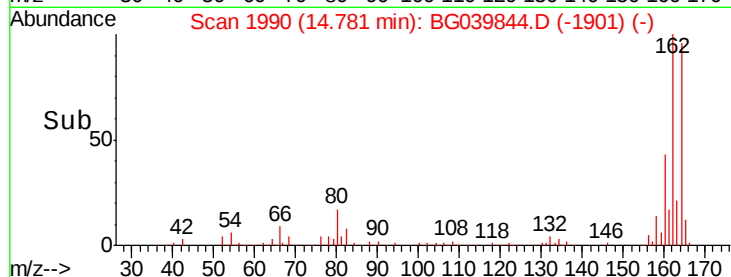
160 44.3 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 34.815 ng

RT: 12.98 min Scan# 1683

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Tgt Ion:216 Resp: 178418

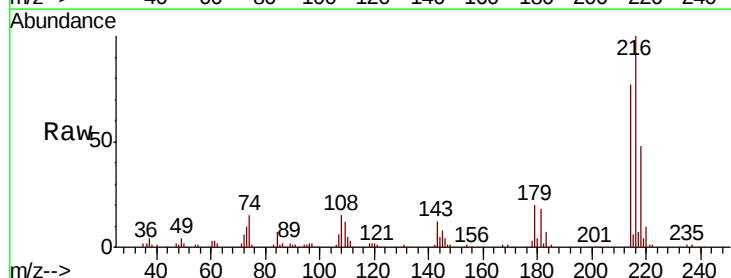
Ion Ratio Lower Upper

216 100

214 78.5 62.6 94.0

179 20.7 16.6 25.0

108 18.0 14.0 21.0

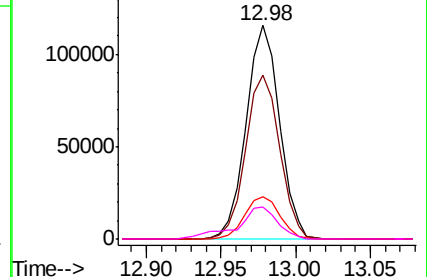
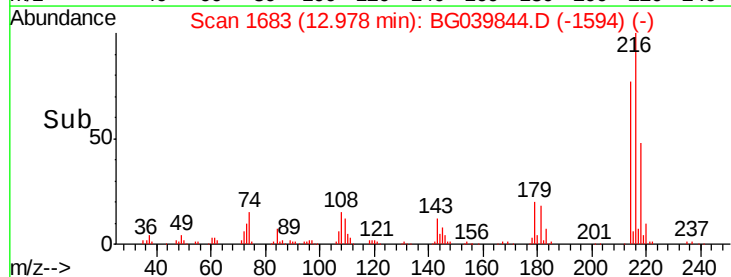


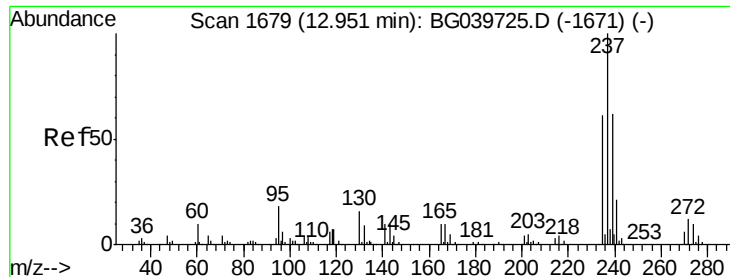
Abundance Ion 216.00 (215.70 to 216.70): E

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: 73.400 ng

RT: 12.95 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

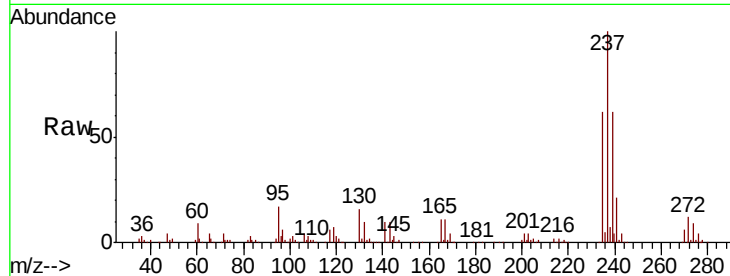
Tgt Ion: 237 Resp: 201584

Ion Ratio Lower Upper

237 100

235 61.9 43.3 83.3

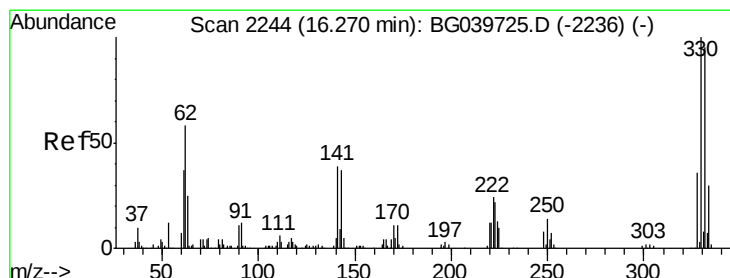
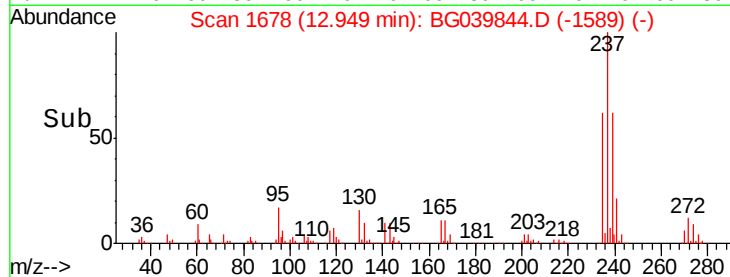
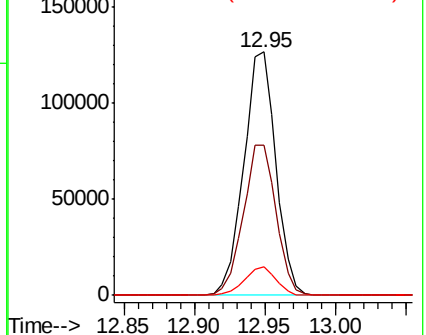
272 11.9 0.0 32.3



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: 124.563 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

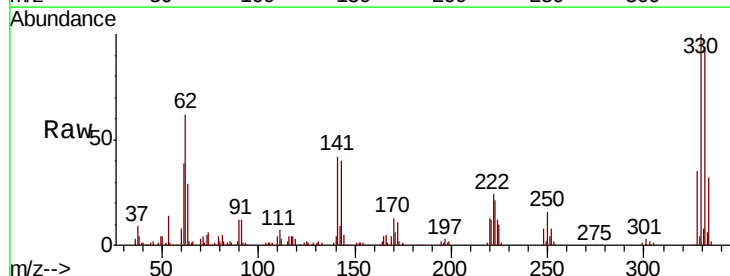
Tgt Ion: 330 Resp: 219630

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

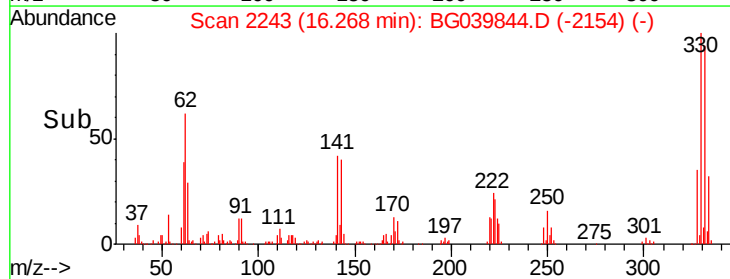
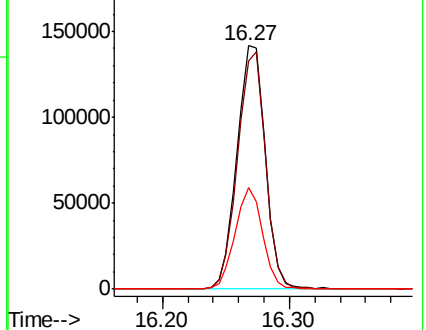
141 40.2 35.6 53.4



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

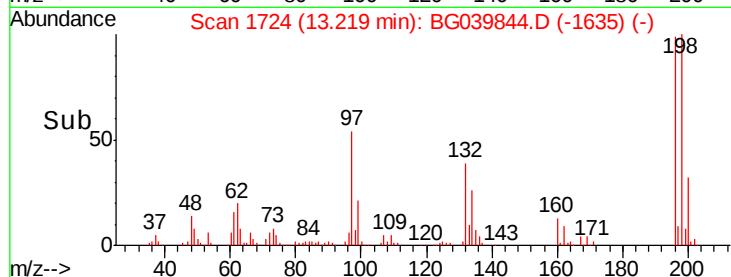
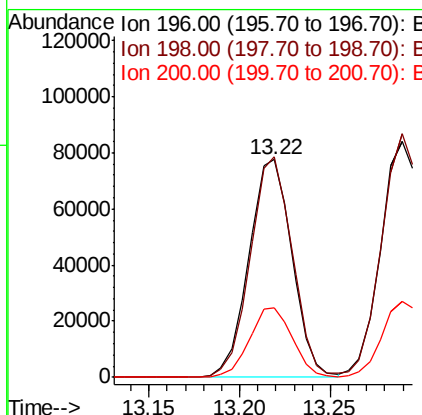
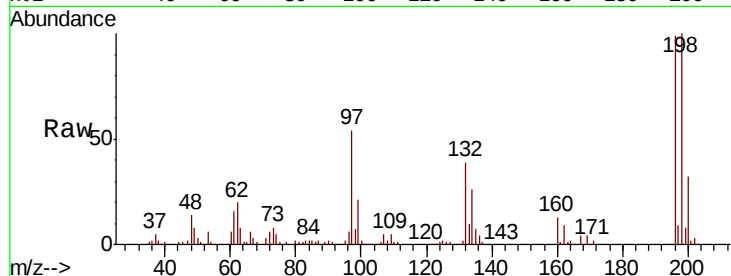




#43
 2,4,6-Trichlorophenol
 Concen: 42.788 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

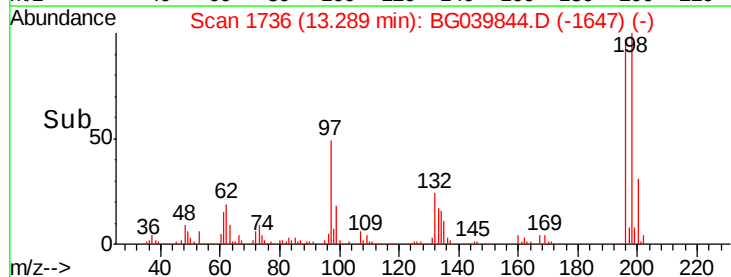
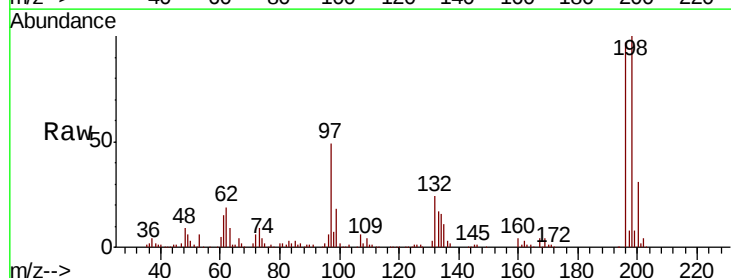
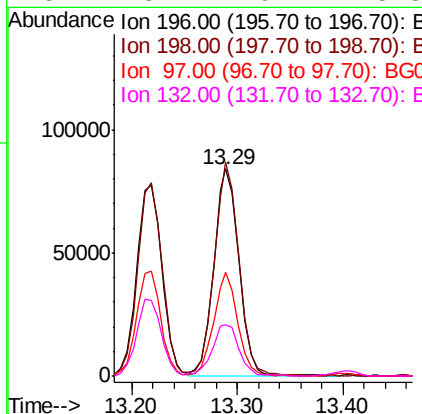
Instrument :
 BNA_G
 ClientSampled :
 TP-13MSD

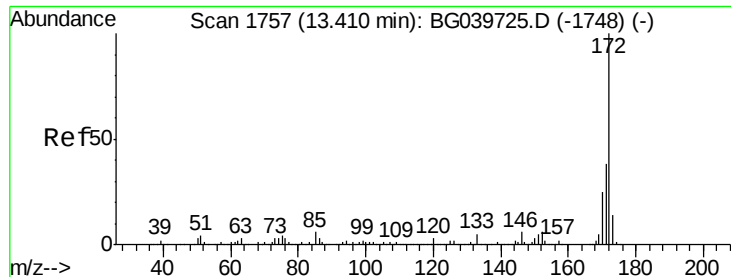
Tgt Ion	Ratio	Lower	Upper
196	100		
198	101.3	80.6	121.0
200	32.1	26.1	39.1



#44
 2,4,5-Trichlorophenol
 Concen: 41.294 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Tgt Ion	Ratio	Lower	Upper
196	100		
198	103.3	78.5	117.7
97	50.2	38.4	57.6
132	25.1	19.2	28.8

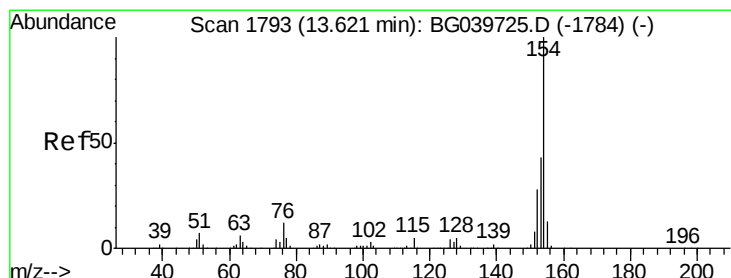
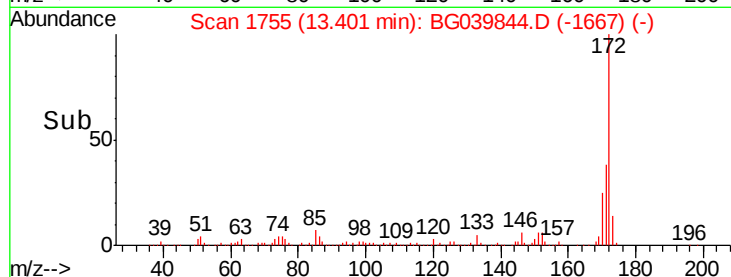
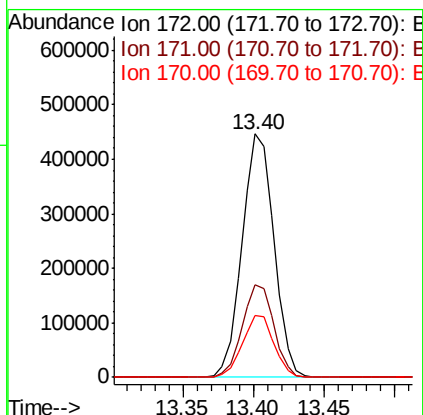
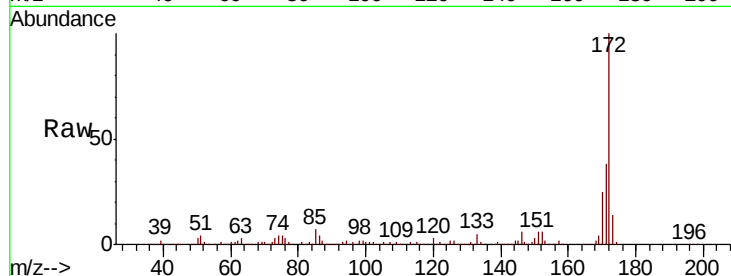




#45
 2-Fluorobiphenyl
 Concen: 66.484 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

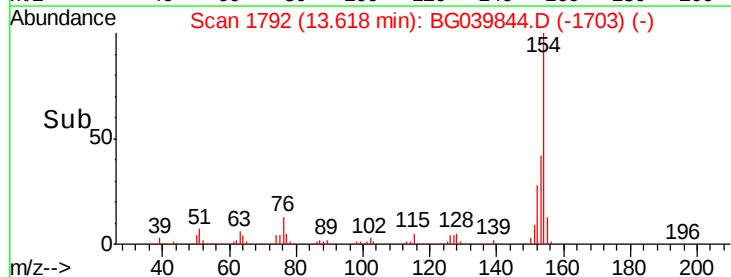
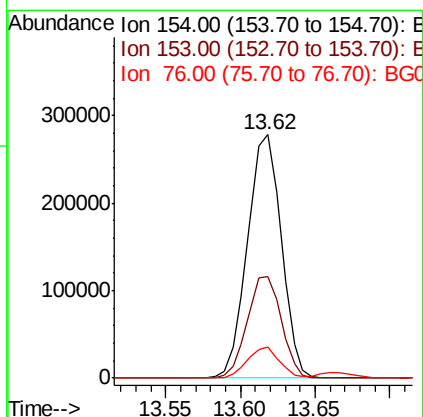
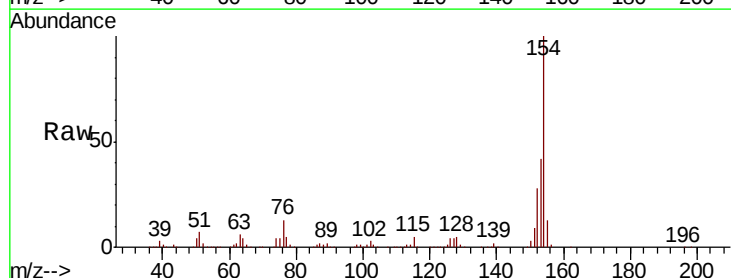
Instrument :
 BNA_G
 ClientSampleId :
 TP-13MSD

Tgt Ion:172 Resp: 706351
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.8 46.2
 170 25.2 20.2 30.4



#46
 1,1'-Biphenyl
 Concen: 34.980 ng
 RT: 13.62 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Tgt Ion:154 Resp: 435225
 Ion Ratio Lower Upper
 154 100
 153 41.8 22.1 62.1
 76 12.8 0.0 32.4

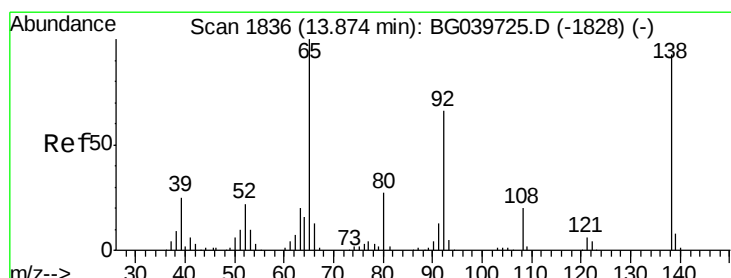
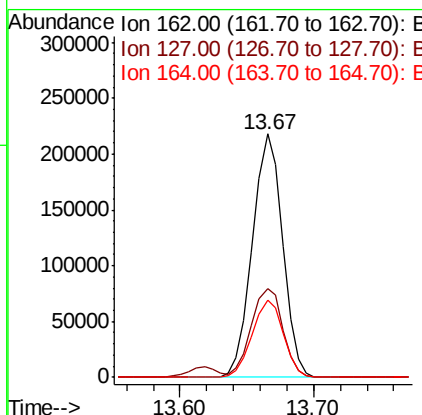
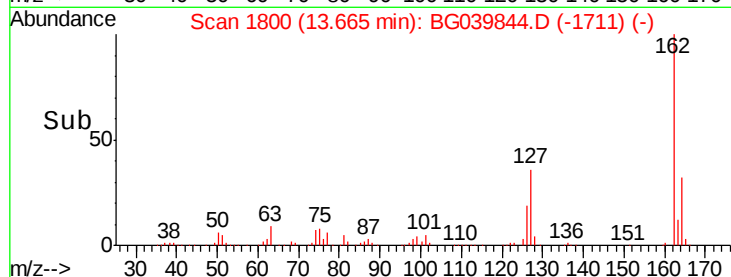
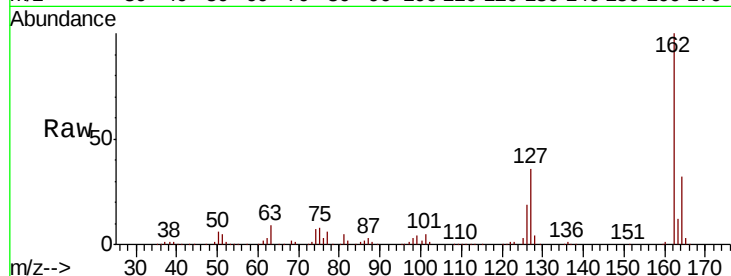




#47
 2-Chloronaphthalene
 Concen: 36.272 ng
 RT: 13.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

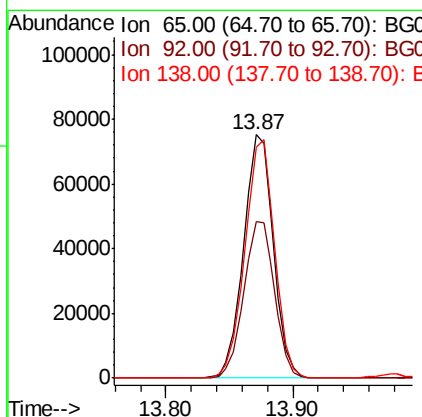
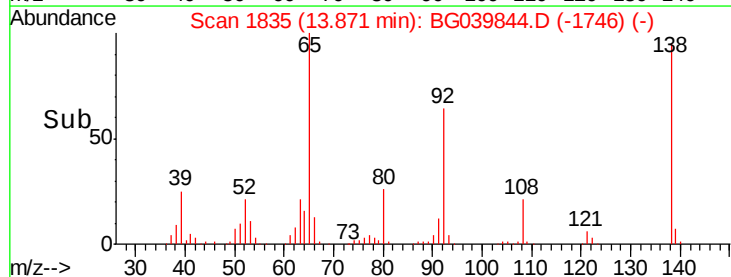
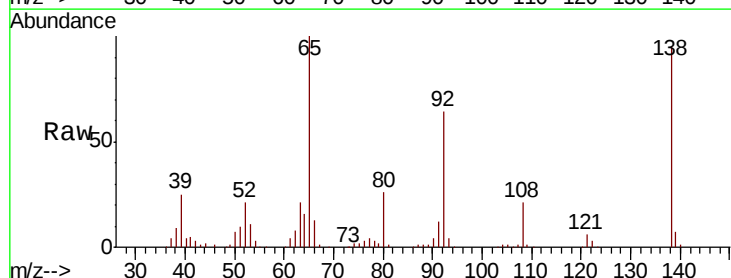
Instrument :
 BNA_G
 ClientSampleId :
 TP-13MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.3	31.0	46.6
164	31.8	25.7	38.5



#48
 2-Nitroaniline
 Concen: 40.698 ng
 RT: 13.87 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.3	51.4	77.2
138	95.0	71.4	107.2





#49

Acenaphthylene

Concen: 36.004 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

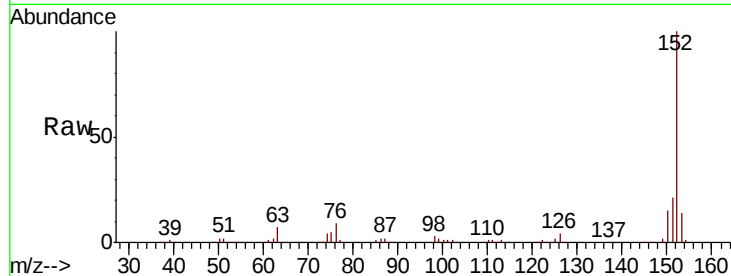
Tgt Ion:152 Resp: 553218

Ion Ratio Lower Upper

152 100

151 21.1 16.8 25.2

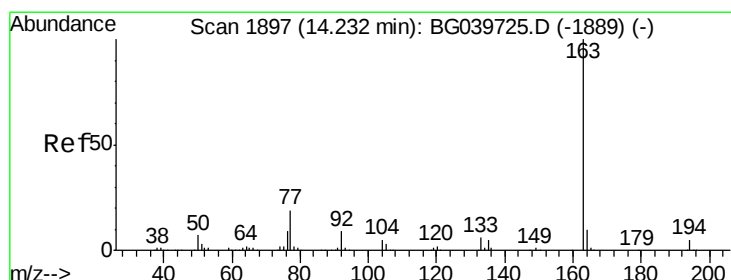
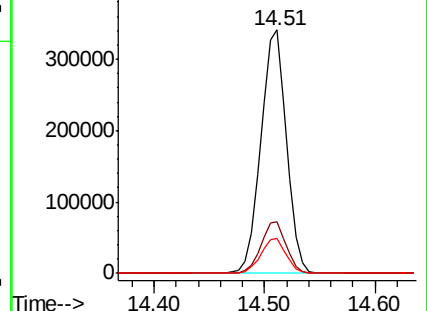
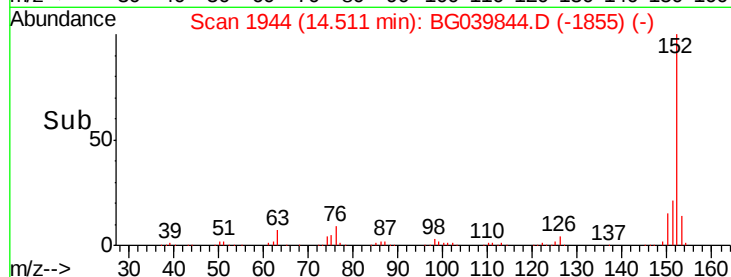
153 14.4 11.7 17.5



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: 42.679 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

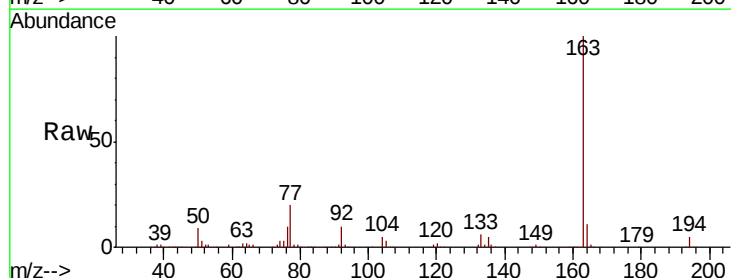
Tgt Ion:163 Resp: 539861

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

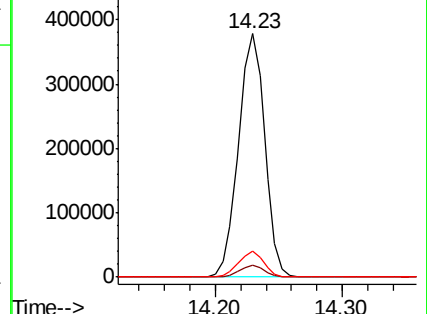
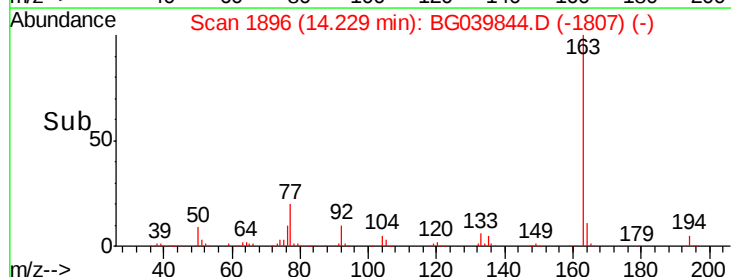
164 10.7 8.4 12.6



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

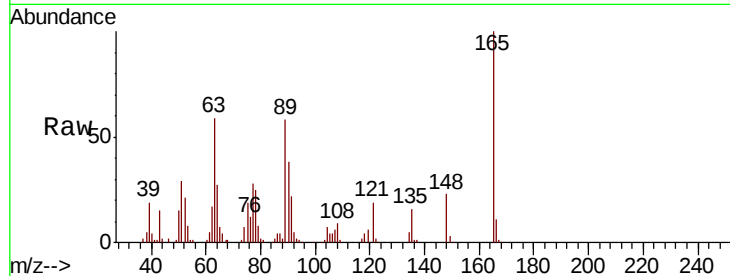




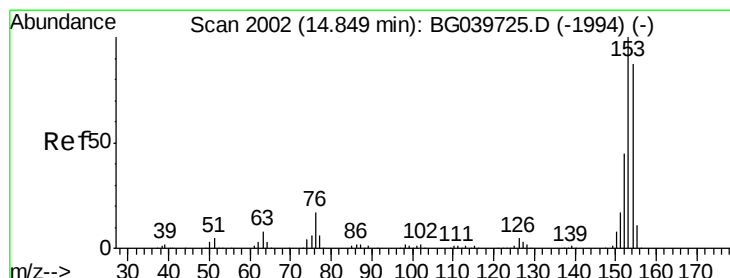
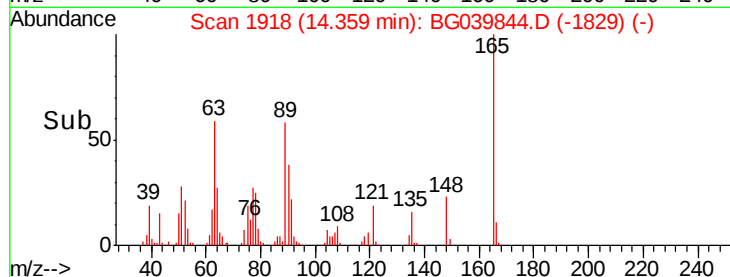
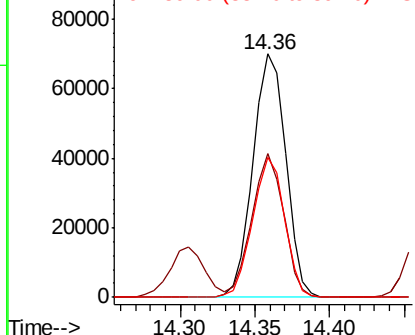
#51
2,6-Dinitrotoluene
Concen: 39.624 ng
RT: 14.36 min Scan# 1918
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion:165 Resp: 106255
Ion Ratio Lower Upper
165 100
63 58.9 47.0 70.6
89 57.7 45.8 68.8

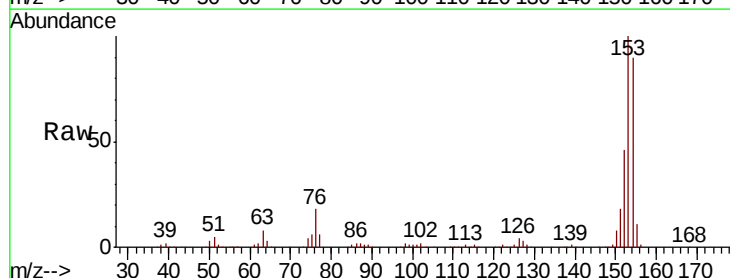


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

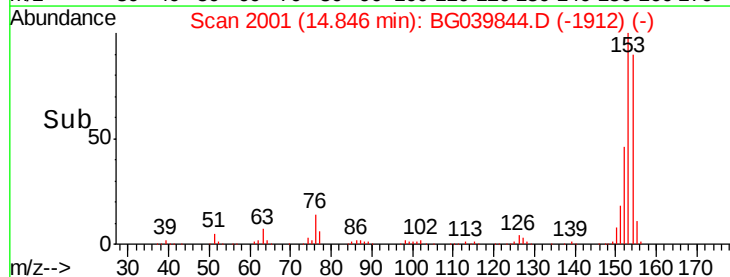
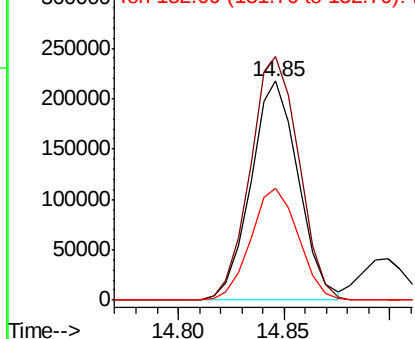


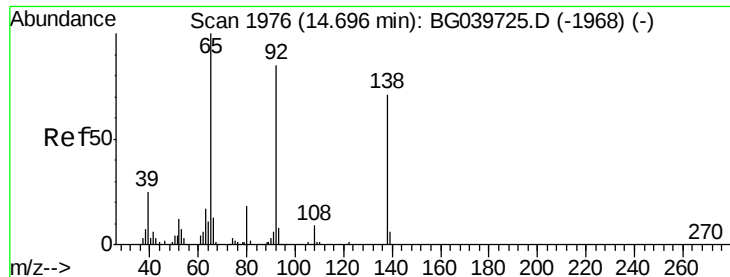
#52
Acenaphthene
Concen: 36.546 ng
RT: 14.85 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion:154 Resp: 337978
Ion Ratio Lower Upper
154 100
153 111.3 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: 15.843 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

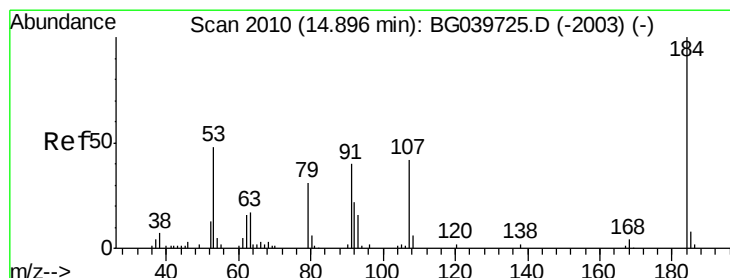
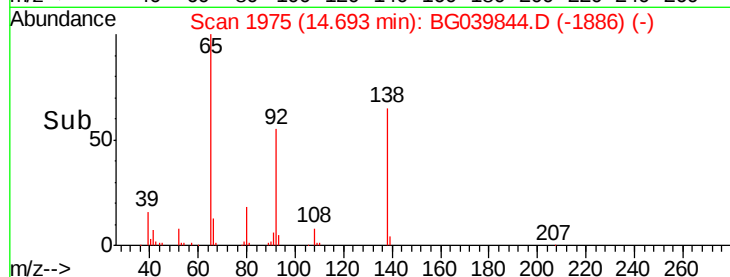
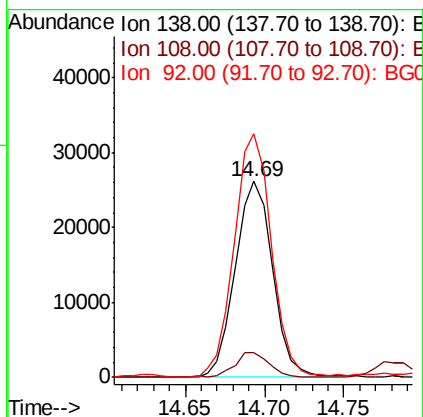
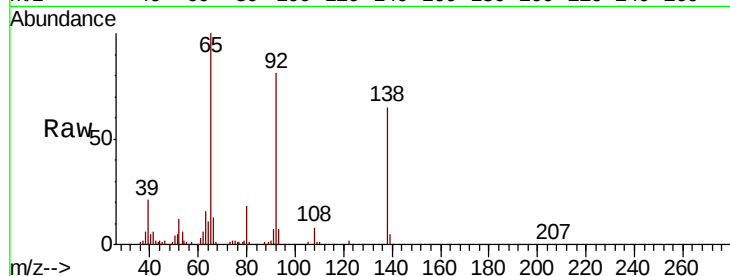
Tgt Ion:138 Resp: 42705

Ion Ratio Lower Upper

138 100

108 12.4 13.8 20.8#

92 124.4 103.7 155.5



#54

2,4-Dinitrophenol

Concen: 62.566 ng

RT: 14.90 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

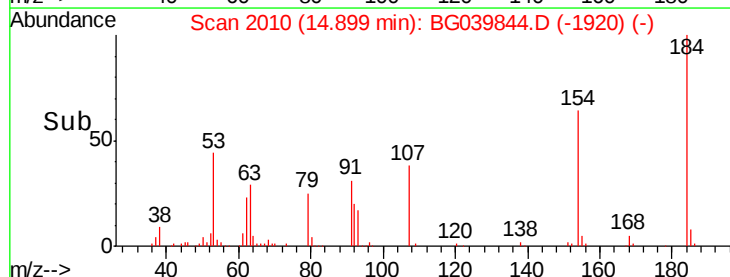
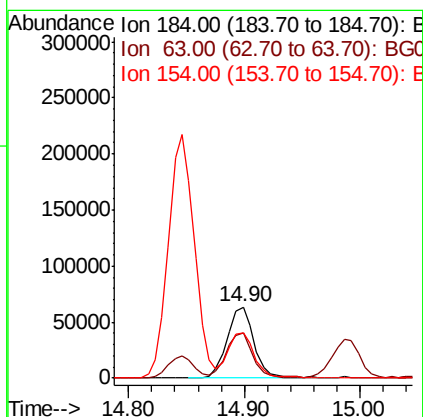
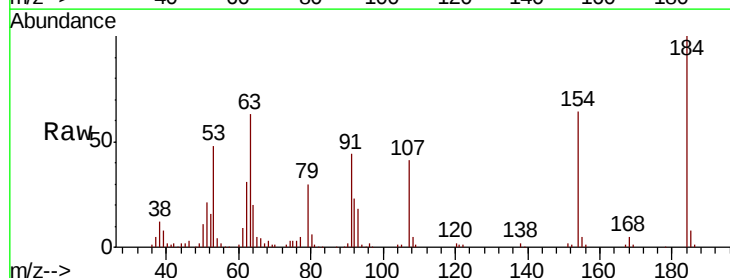
Tgt Ion:184 Resp: 103732

Ion Ratio Lower Upper

184 100

63 63.0 50.9 76.3

154 64.3 53.0 79.6

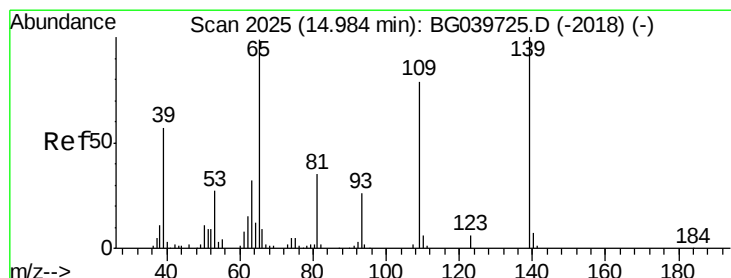
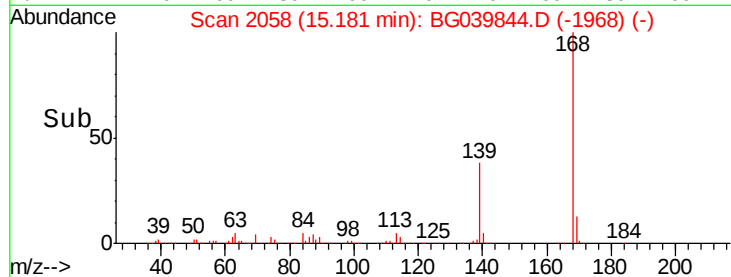
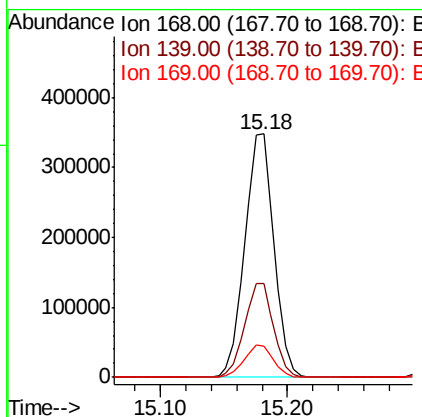
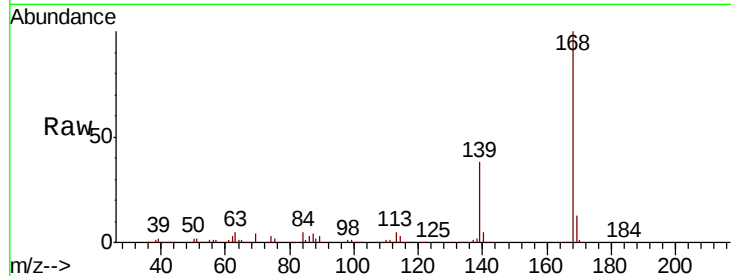




#55
Dibenzenofuran
Concen: 36.647 ng
RT: 15.18 min Scan# 2058
Delta R.T. -0.00 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

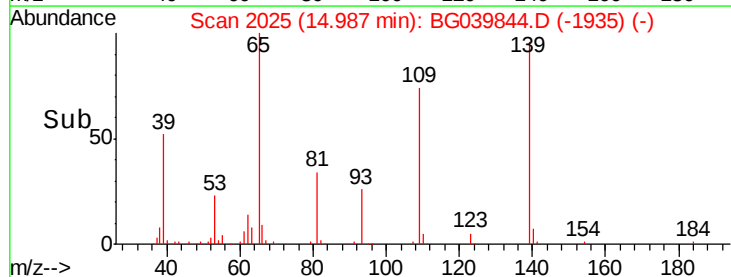
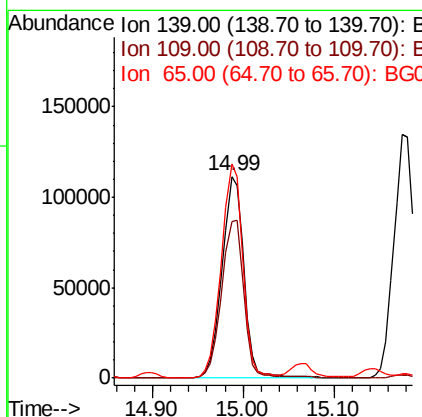
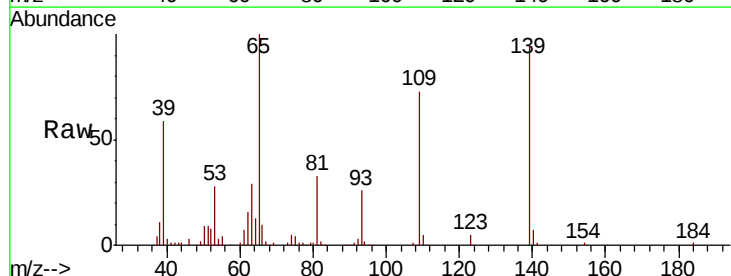
Instrument :
BNA_G
ClientSampleId :
TP-13MSD

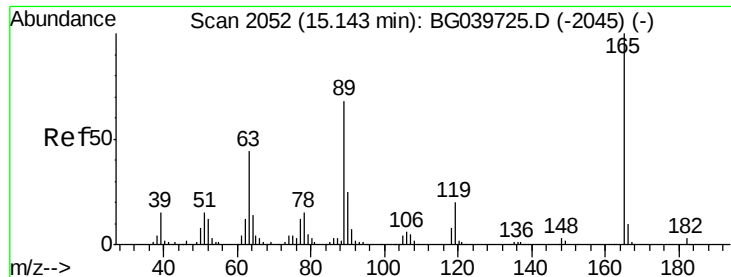
Tgt Ion:168 Resp: 556047
Ion Ratio Lower Upper
168 100
139 38.3 30.1 45.1
169 13.0 10.6 16.0



#56
4-Nitrophenol
Concen: 77.586 ng
RT: 14.99 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion:139 Resp: 187088
Ion Ratio Lower Upper
139 100
109 77.3 61.9 101.9
65 105.9 99.1 139.1

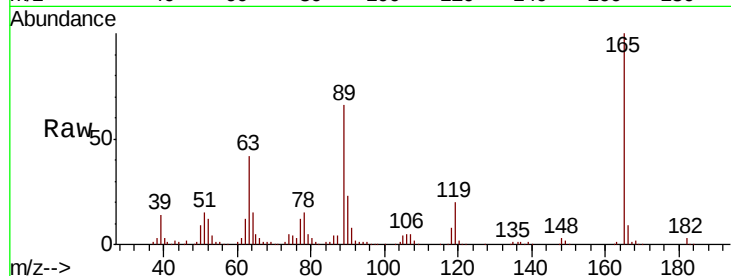




#57
2,4-Dinitrotoluene
Concen: 40.778 ng
RT: 15.15 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	42.4	41.0	61.6
89	66.5	64.6	96.8
182	3.0	2.0	3.0



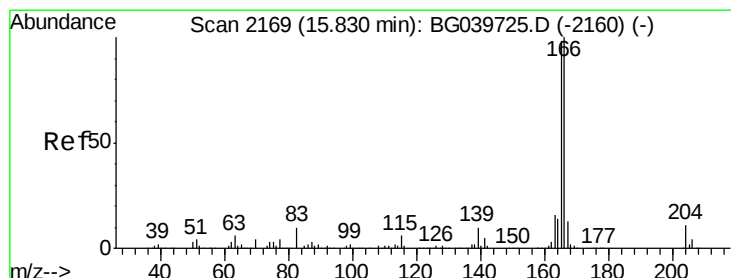
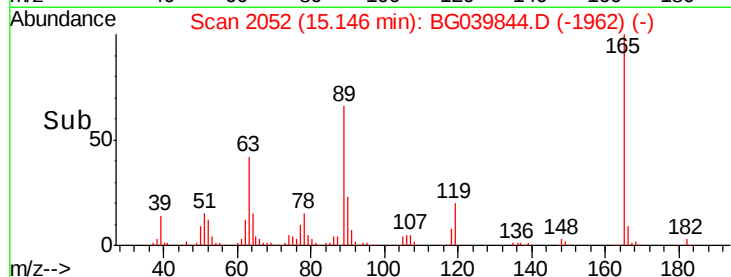
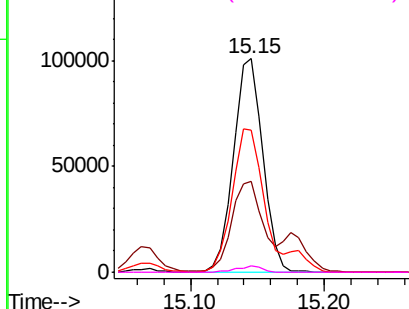
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

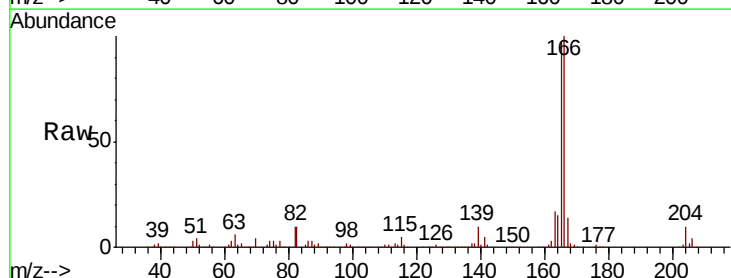
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 36.880 ng
RT: 15.83 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.9	116.9
167	13.9	10.8	16.2

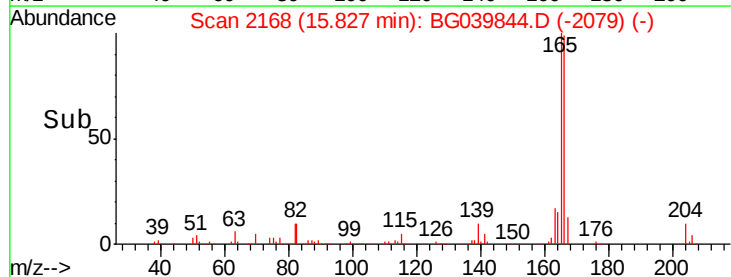
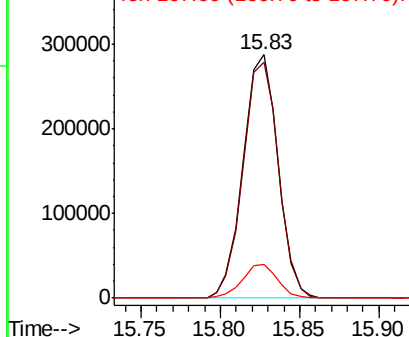


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

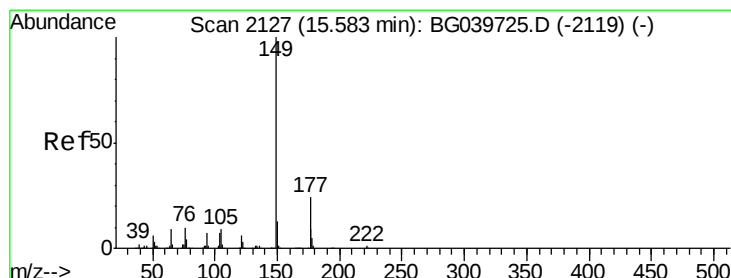
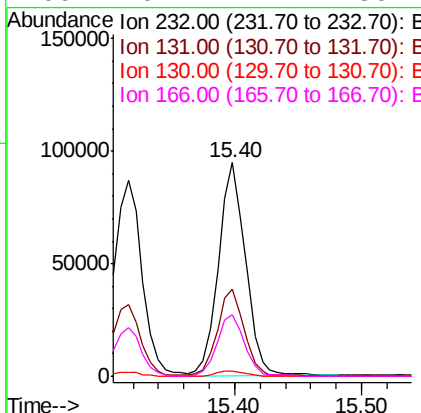
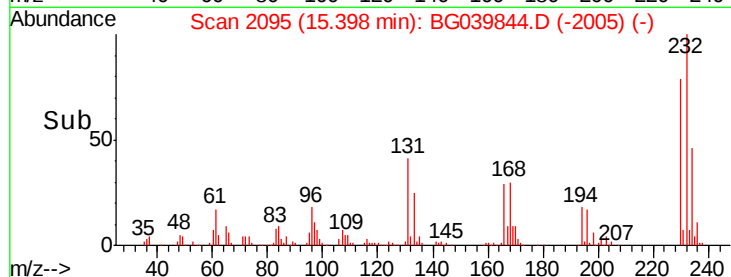
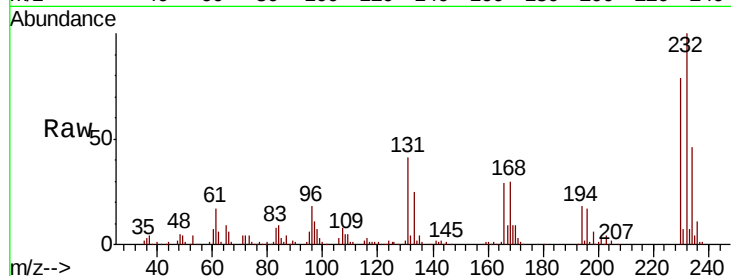




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 42.620 ng
 RT: 15.40 min Scan# 2095
 Delta R.T. -0.00 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

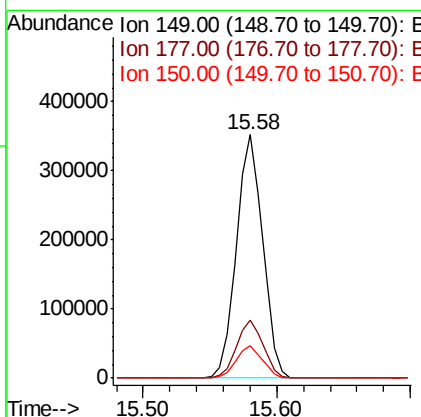
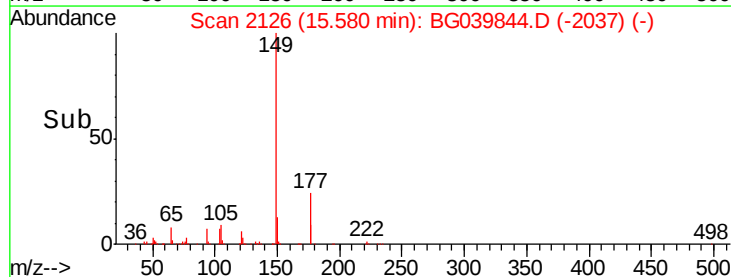
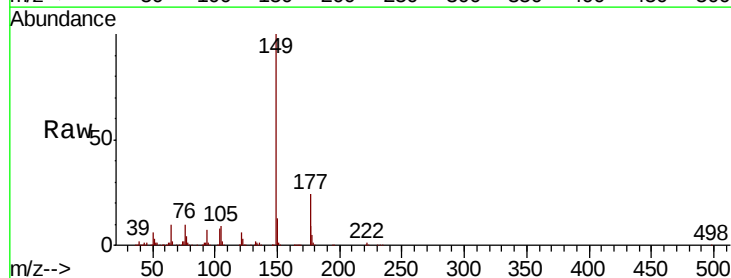
Instrument :
 BNA_G
 ClientSampleId :
 TP-13MSD

Tgt Ion:	232	Resp:	140766
Ion	Ratio	Lower	Upper
232	100		
131	40.5	34.9	52.3
130	2.4	2.0	3.0
166	29.7	24.1	36.1



#60
 Diethylphthalate
 Concen: 38.331 ng
 RT: 15.58 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Tgt Ion:	149	Resp:	479972
Ion	Ratio	Lower	Upper
149	100		
177	23.9	18.3	27.5
150	13.5	10.2	15.2

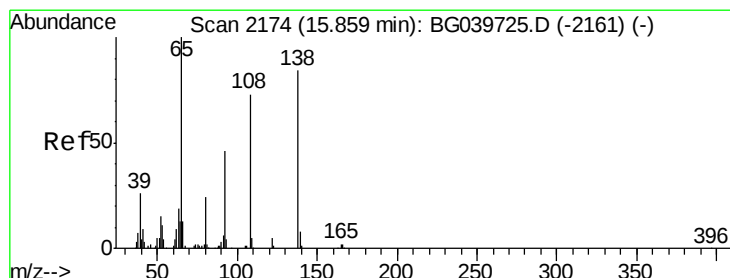
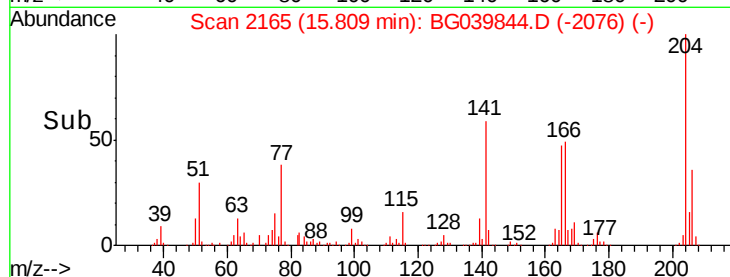
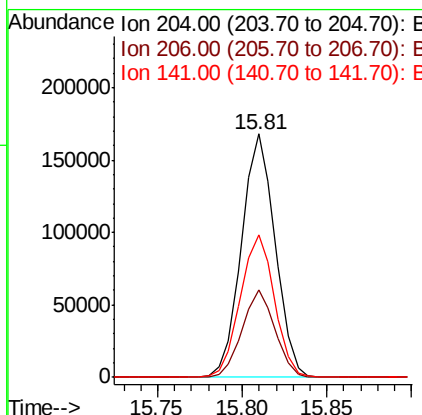
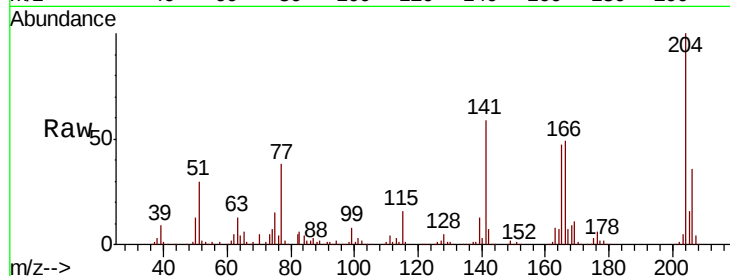




#61
 4-Chlorophenyl-phenylether
 Concen: 36.701 ng
 RT: 15.81 min Scan# 2165
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

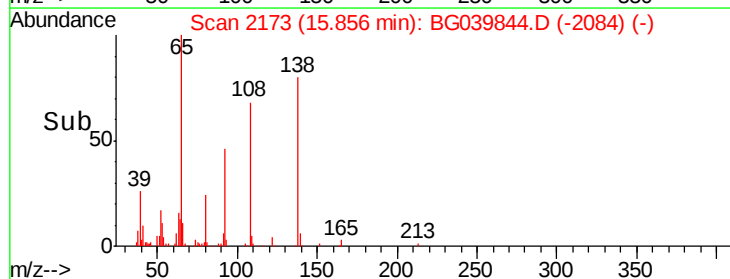
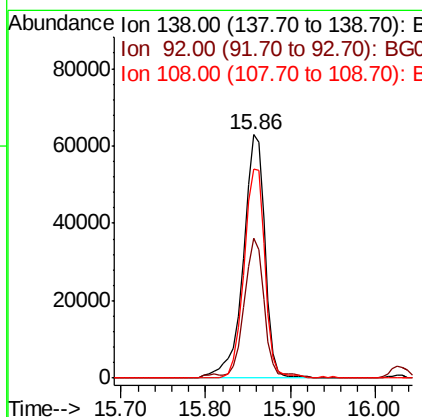
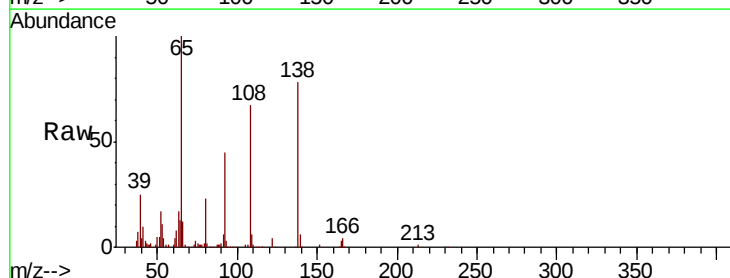
Instrument :
 BNA_G
 ClientSampleId :
 TP-13MSD

Tgt Ion: 204 Resp: 233608
 Ion Ratio Lower Upper
 204 100
 206 36.1 29.2 43.8
 141 58.5 49.0 73.4



#62
 4-Nitroaniline
 Concen: 38.174 ng
 RT: 15.86 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BG039844.D
 Acq: 11 Mar 2019 16:32

Tgt Ion: 138 Resp: 111555
 Ion Ratio Lower Upper
 138 100
 92 57.6 38.7 78.7
 108 86.0 74.6 114.6

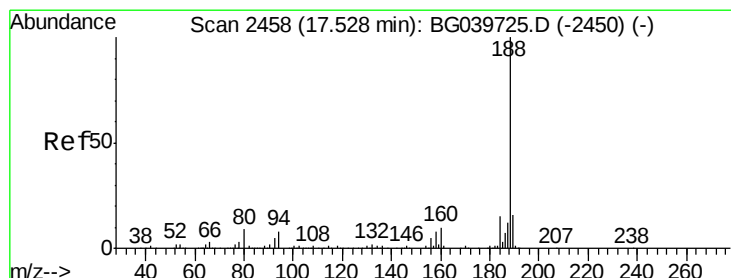
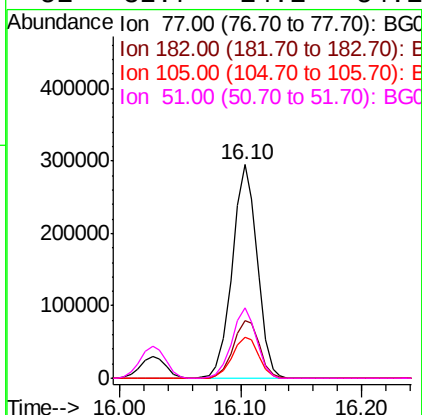
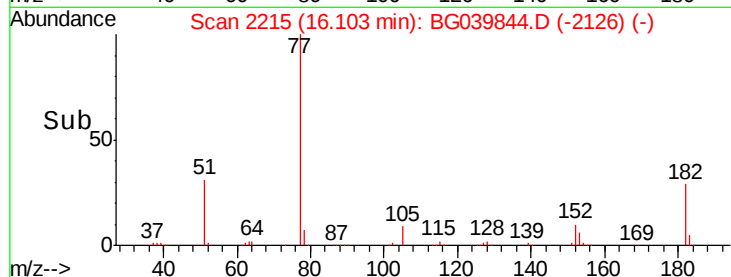
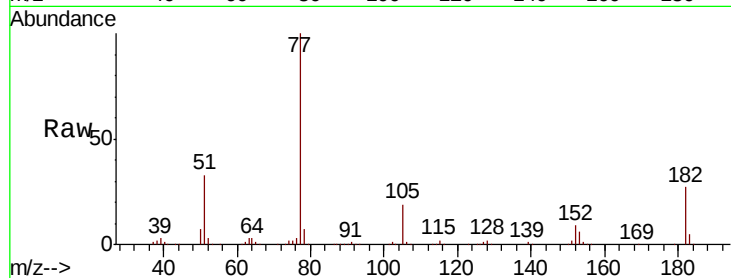




#63
Azobenzene
Concen: 37.323 ng
RT: 16.10 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

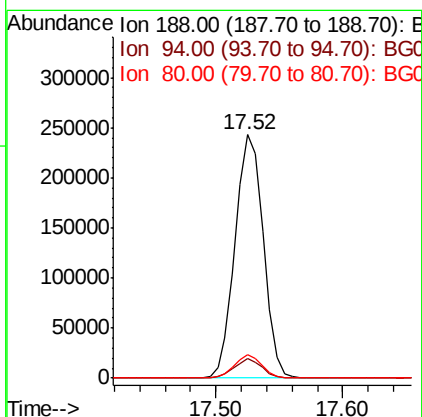
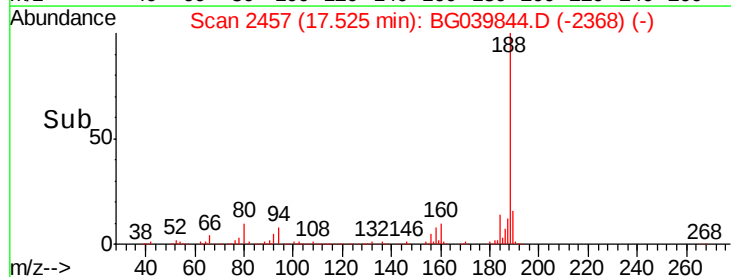
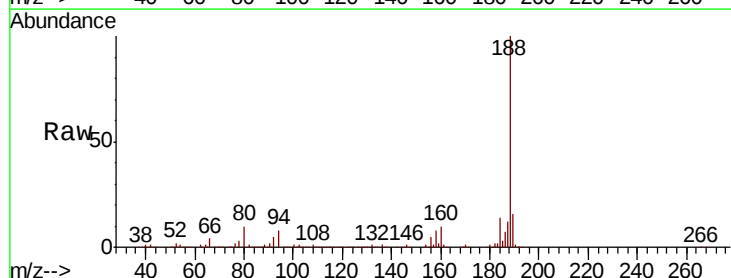
Instrument :
BNA_G
ClientSampleId :
TP-13MSD

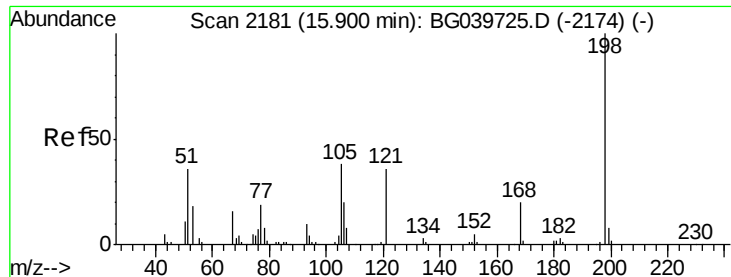
Tgt Ion: 77 Resp: 423646
Ion Ratio Lower Upper
77 100
182 27.2 6.4 46.4
105 19.1 0.0 39.8
51 32.7 14.1 54.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion: 188 Resp: 373468
Ion Ratio Lower Upper
188 100
94 7.9 6.9 10.3
80 9.6 8.1 12.1





#65

4,6-Dinitro-2-methylphenol

Concen: 38.584 ng

RT: 15.90 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

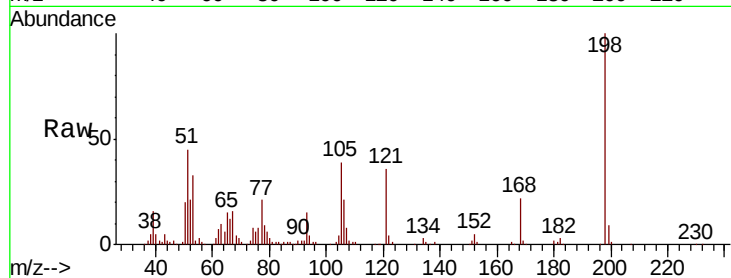
Tgt Ion:198 Resp: 85202

Ion Ratio Lower Upper

198 100

51 45.0 27.4 67.4

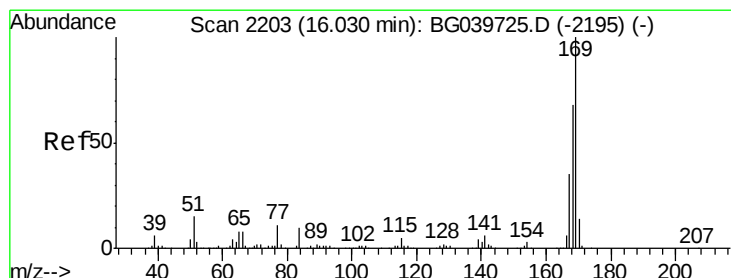
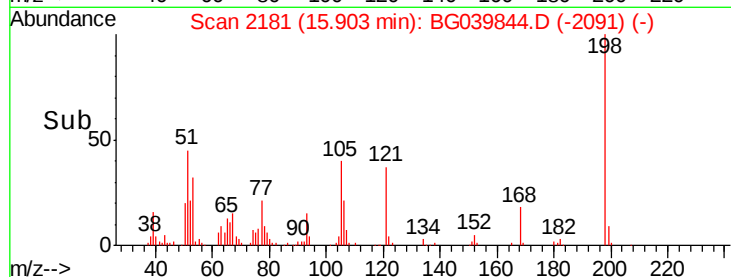
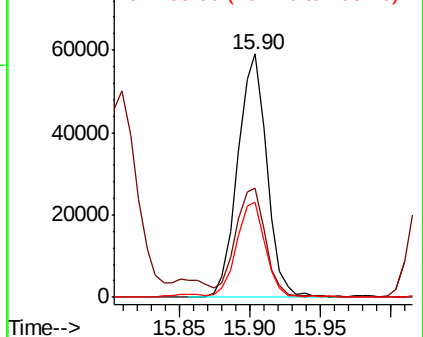
105 39.3 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 38.238 ng

RT: 16.03 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

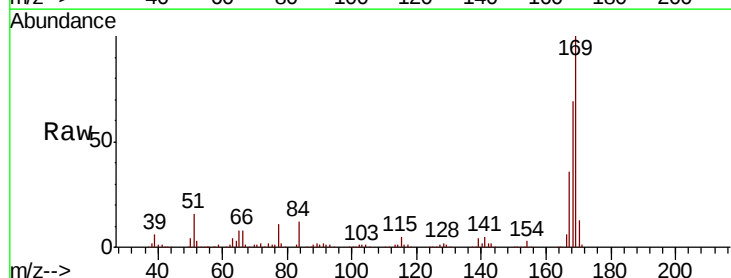
Tgt Ion:169 Resp: 413434

Ion Ratio Lower Upper

169 100

168 69.2 56.6 85.0

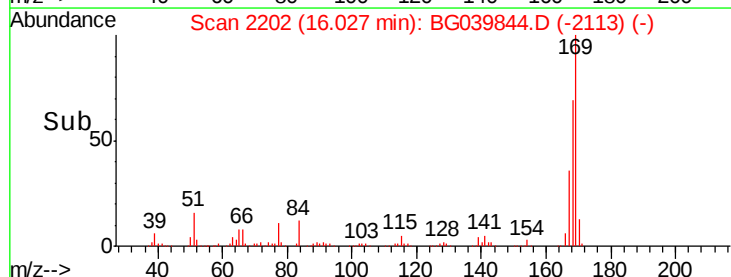
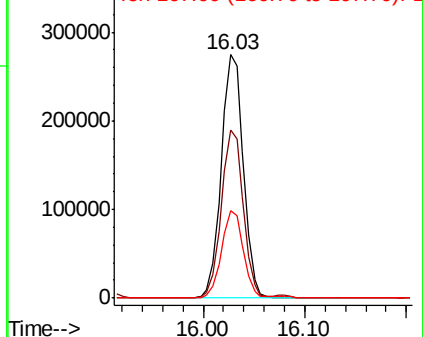
167 36.2 28.8 43.2

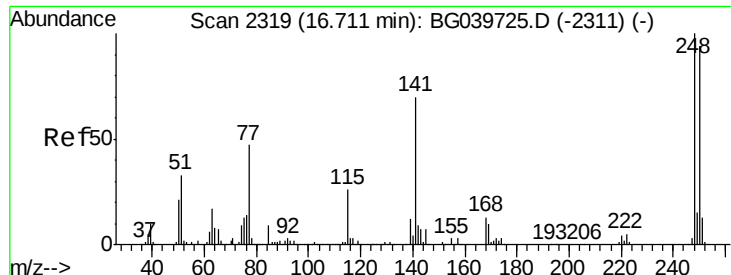


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 37.640 ng

RT: 16.71 min Scan# 2318

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampled :

TP-13MSD

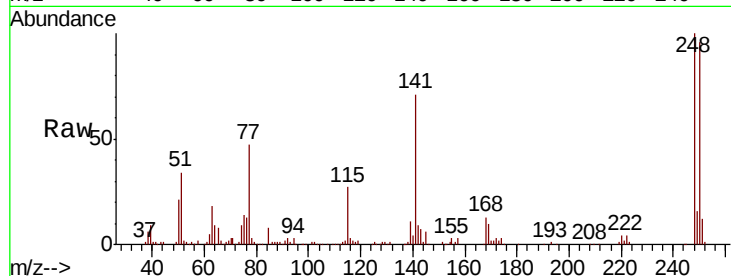
Tgt Ion:248 Resp: 157349

Ion Ratio Lower Upper

248 100

250 96.3 77.6 116.4

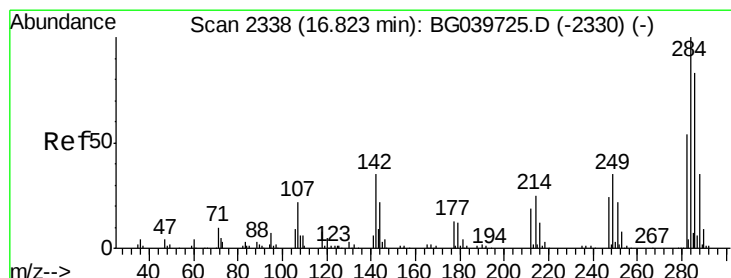
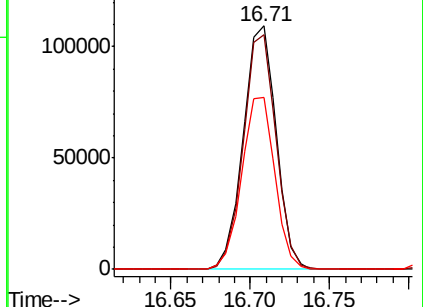
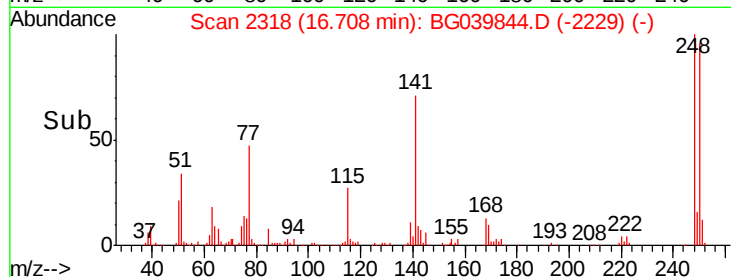
141 70.7 63.9 95.9



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 36.465 ng

RT: 16.82 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

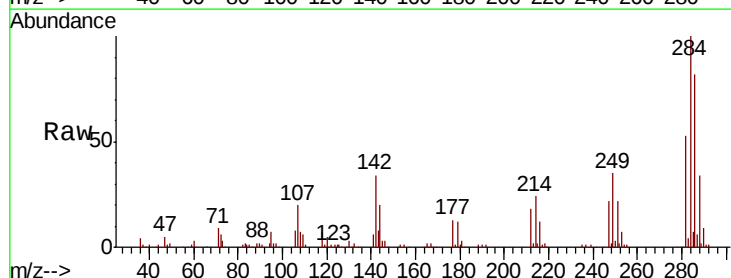
Tgt Ion:284 Resp: 158011

Ion Ratio Lower Upper

284 100

142 33.6 30.6 45.8

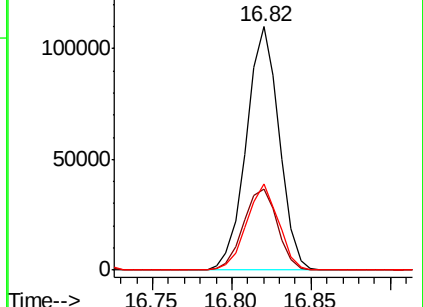
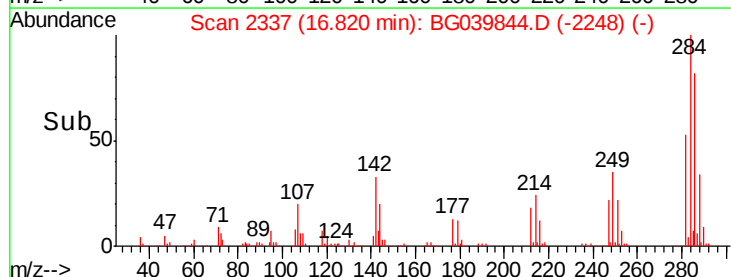
249 35.1 28.2 42.2

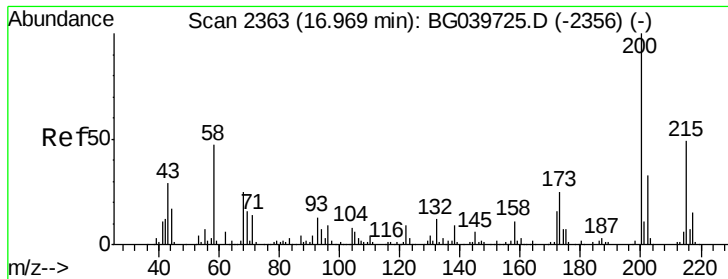


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 39.161 ng

RT: 16.97 min Scan# 2362

Delta R.T. -0.00 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

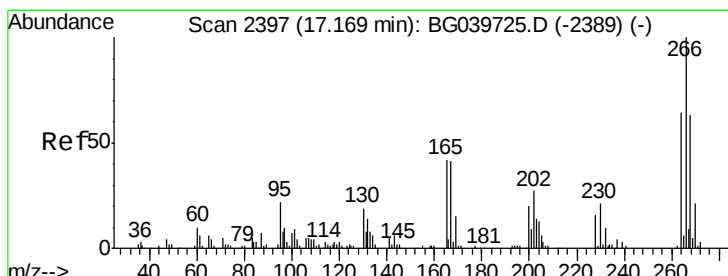
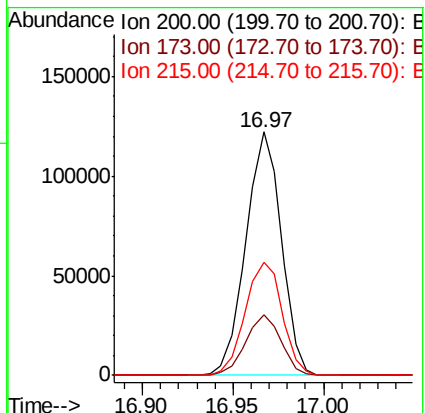
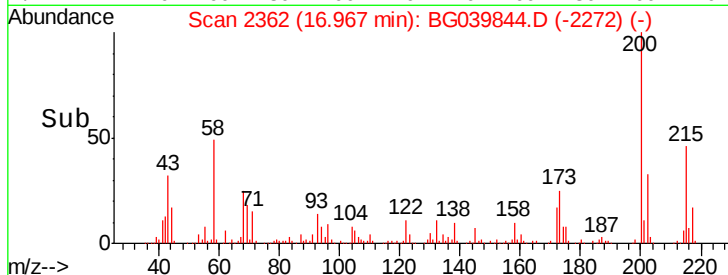
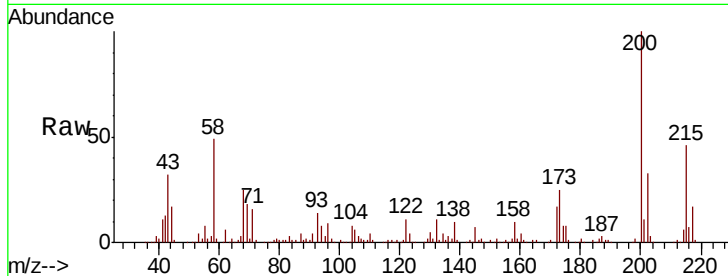
Tgt Ion:200 Resp: 166638

Ion Ratio Lower Upper

200 100

173 24.8 3.9 43.9

215 46.3 30.9 70.9



#70

Pentachlorophenol

Concen: 74.199 ng

RT: 17.17 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

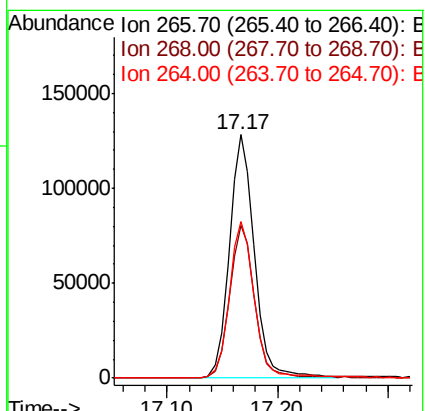
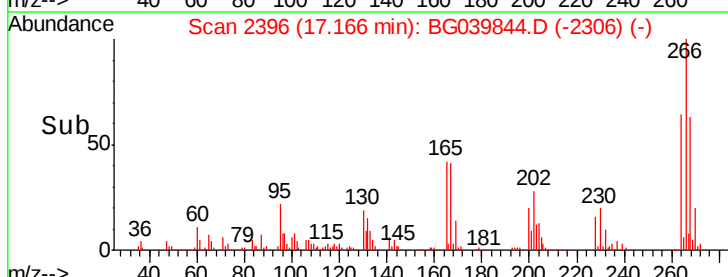
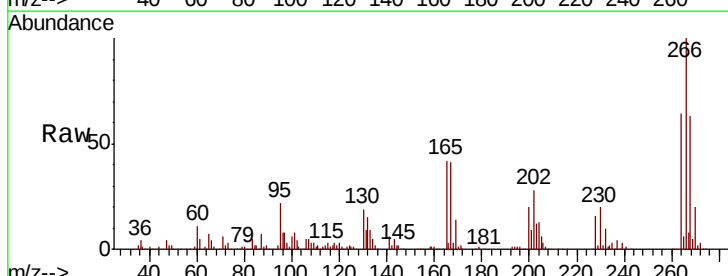
Tgt Ion:266 Resp: 203058

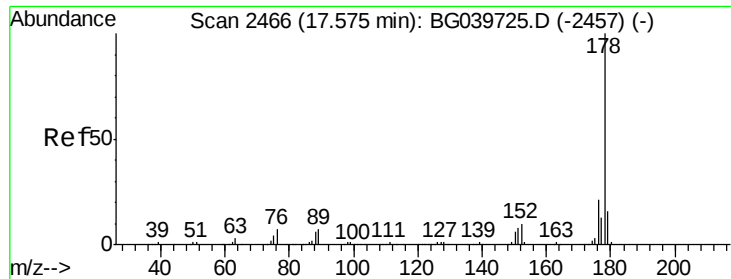
Ion Ratio Lower Upper

266 100

268 62.7 51.1 76.7

264 64.4 52.1 78.1

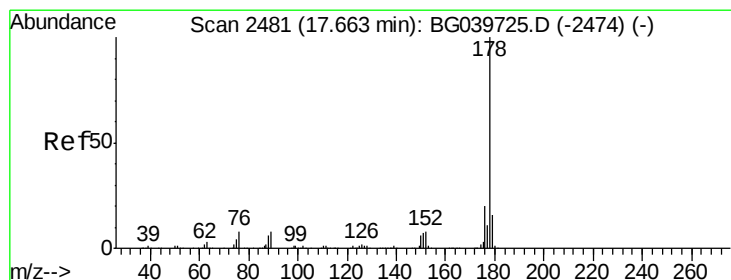
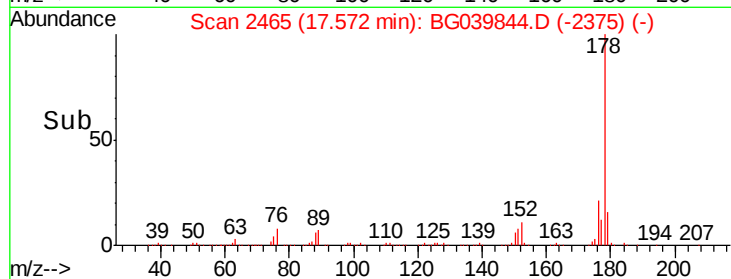
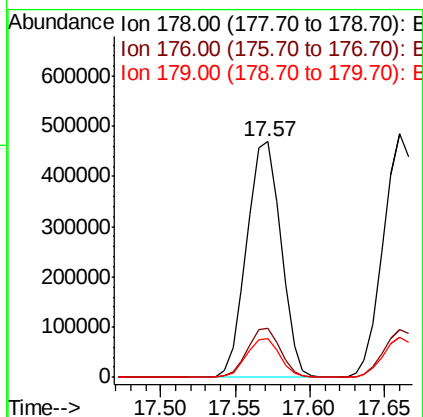
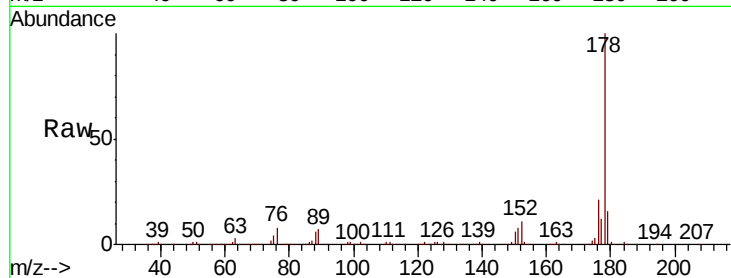




#71
Phenanthrene
Concen: 36.215 ng
RT: 17.57 min Scan# 2465
Delta R.T. -0.00 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

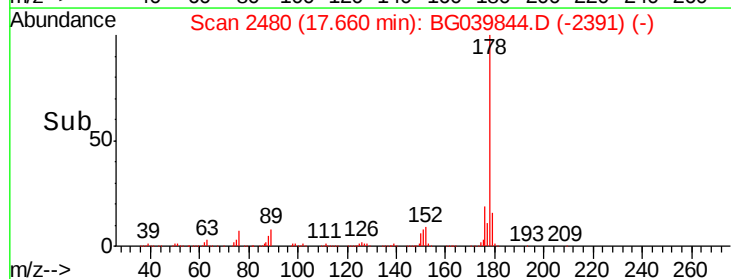
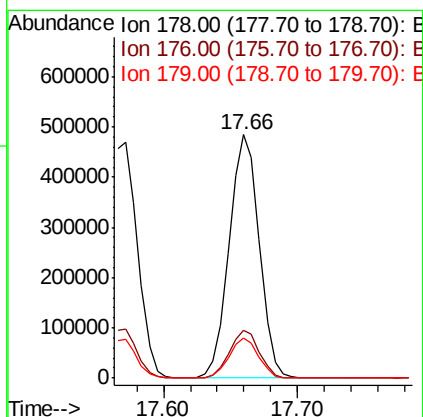
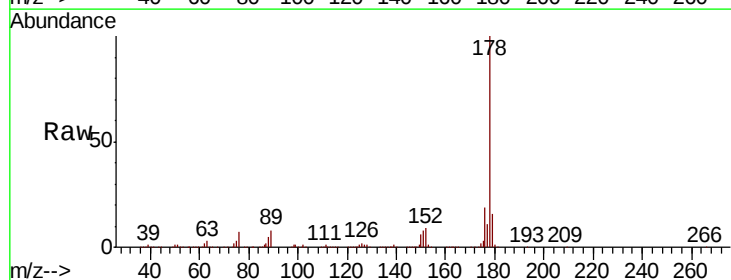
Instrument :
BNA_G
ClientSampleId :
TP-13MSD

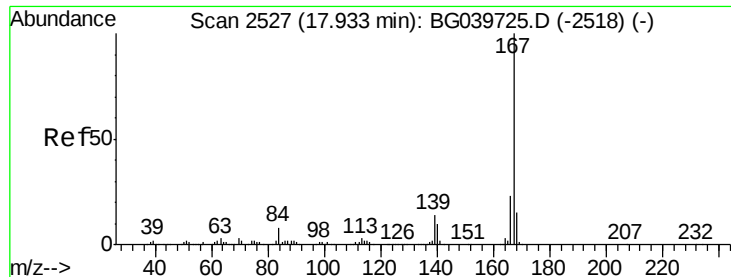
Tgt Ion:178 Resp: 744990
Ion Ratio Lower Upper
178 100
176 20.6 16.2 24.4
179 16.4 12.6 19.0



#72
Anthracene
Concen: 37.795 ng
RT: 17.66 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion:178 Resp: 757651
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 16.5 12.5 18.7





#73

Carbazole

Concen: 37.250 ng

RT: 17.93 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

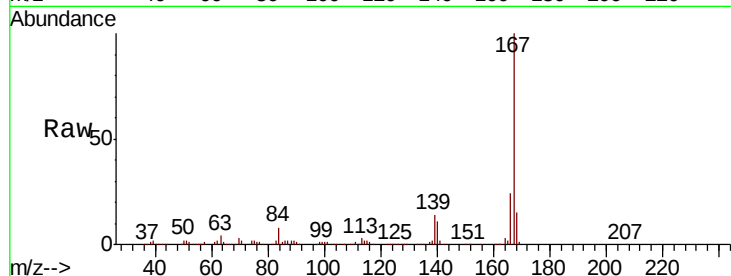
Tgt Ion:167 Resp: 673187

Ion Ratio Lower Upper

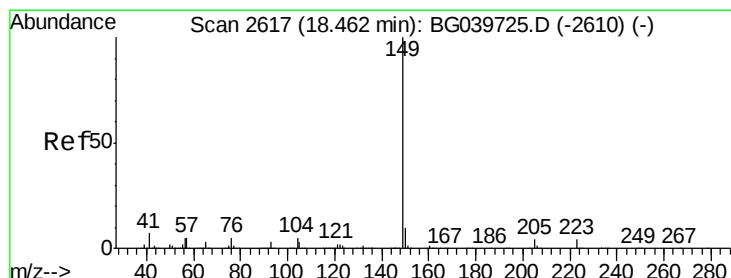
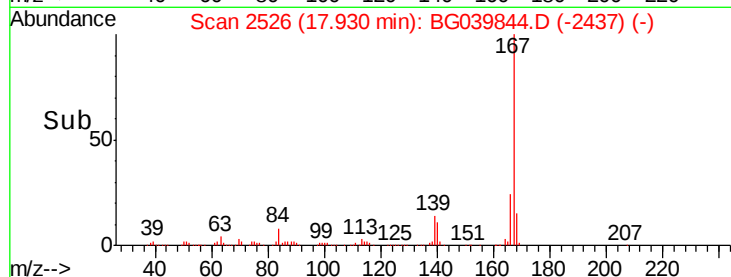
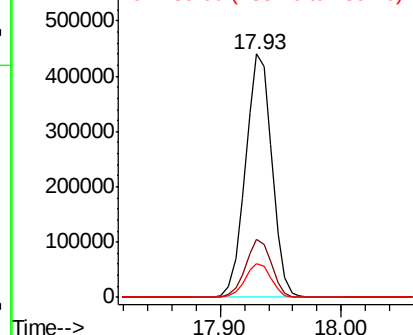
167 100

166 23.6 19.4 29.2

139 13.8 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: 37.210 ng

RT: 18.46 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

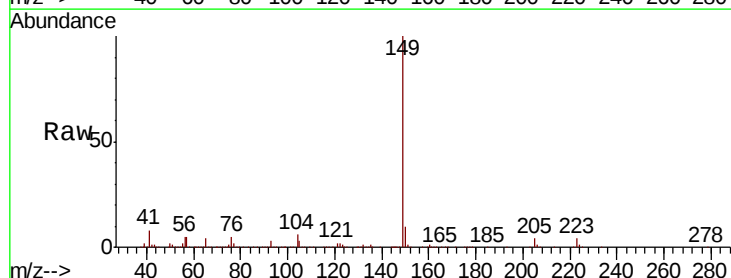
Tgt Ion:149 Resp: 791191

Ion Ratio Lower Upper

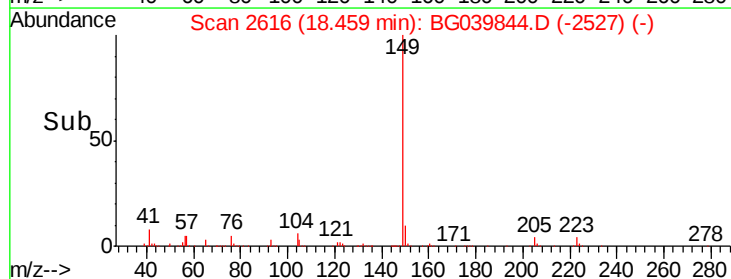
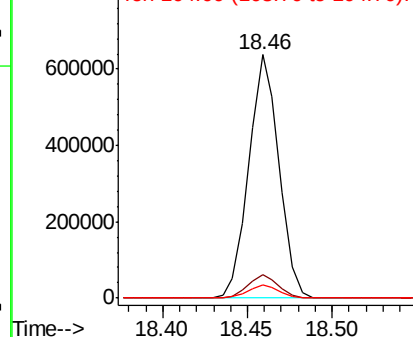
149 100

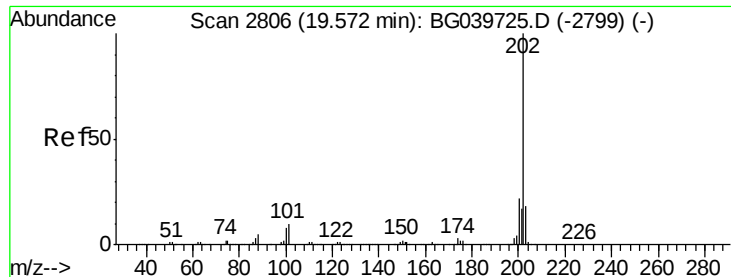
150 9.9 7.7 11.5

104 5.6 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: 35.066 ng

RT: 19.57 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

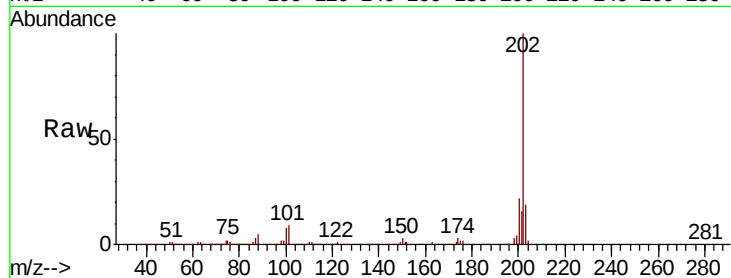
Tgt Ion:202 Resp: 852500

Ion Ratio Lower Upper

202 100

101 8.7 0.0 30.0

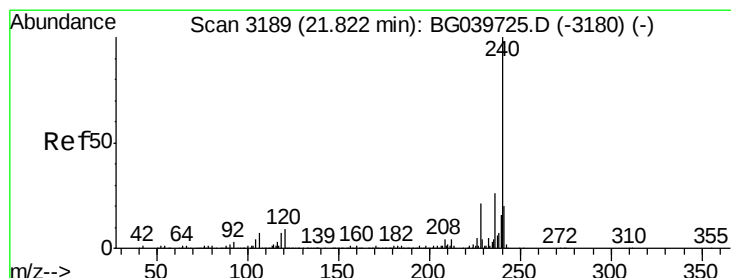
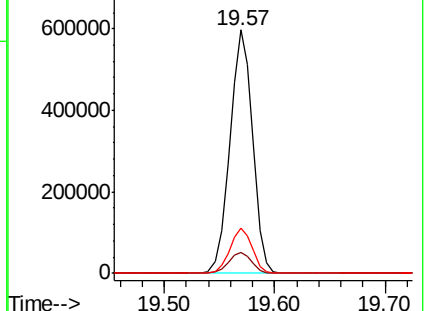
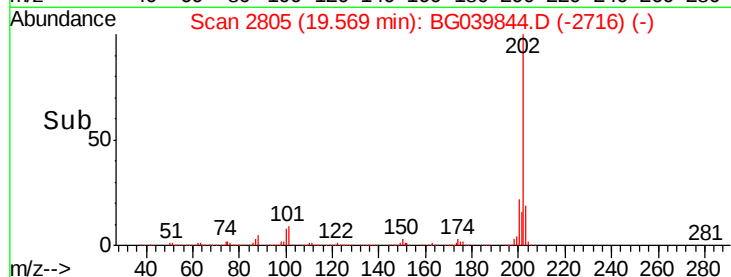
203 18.6 0.0 38.9



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: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

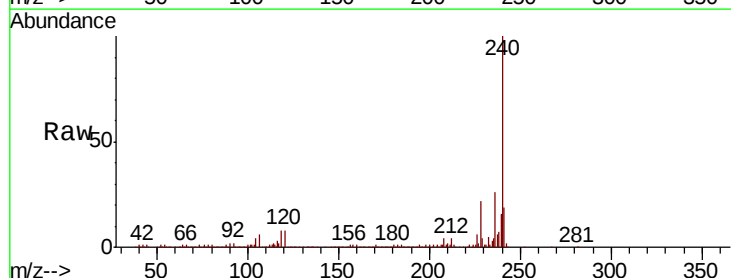
Tgt Ion:240 Resp: 361787

Ion Ratio Lower Upper

240 100

120 8.1 7.0 10.6

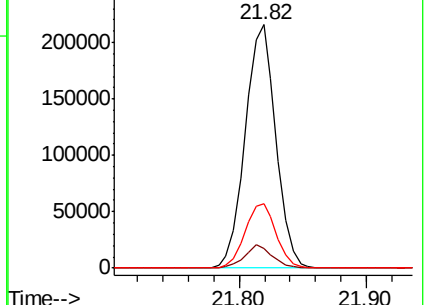
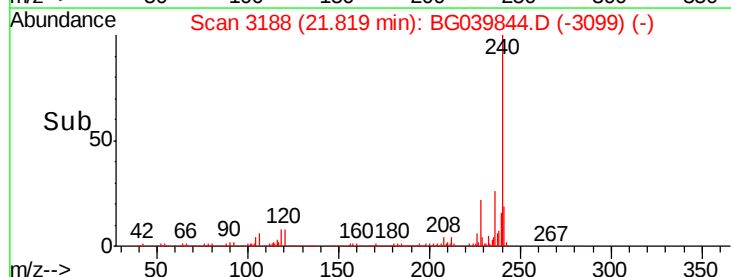
236 26.4 21.0 31.4



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: 5.998 ng

RT: 19.75 min Scan# 2836

Delta R.T. -0.00 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

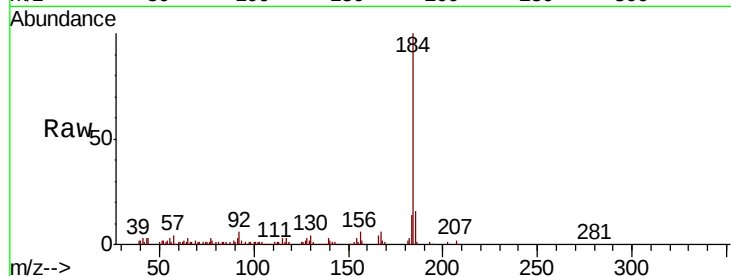
Tgt Ion:184 Resp: 68862

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.2

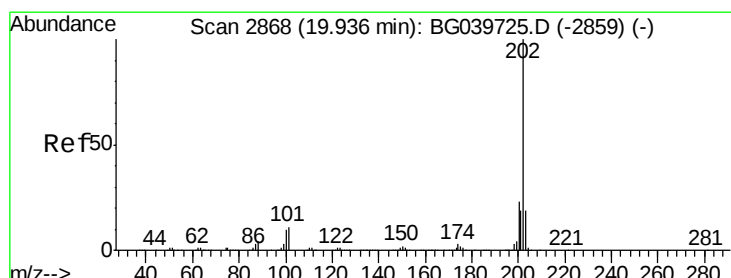
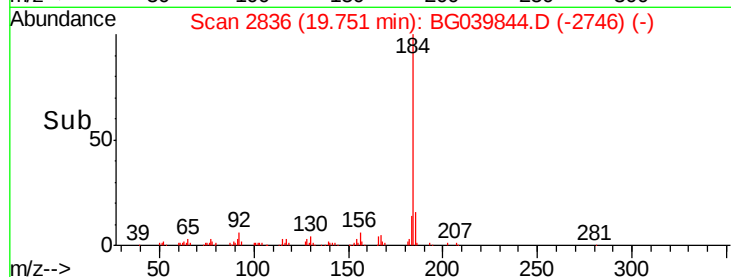
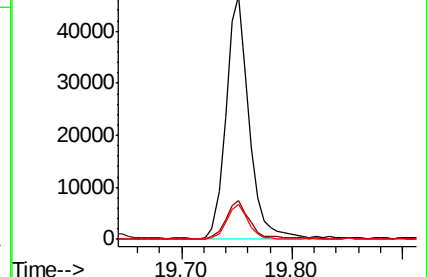
183 14.2 10.6 15.8



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: 36.285 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

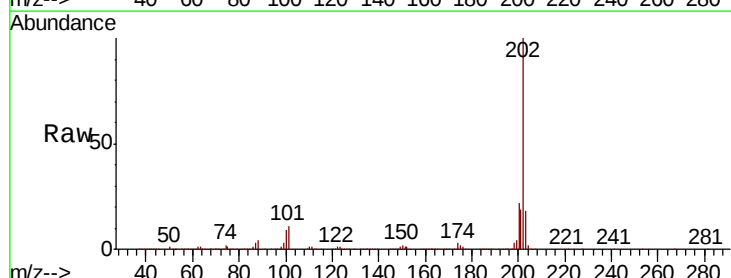
Tgt Ion:202 Resp: 853021

Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.8

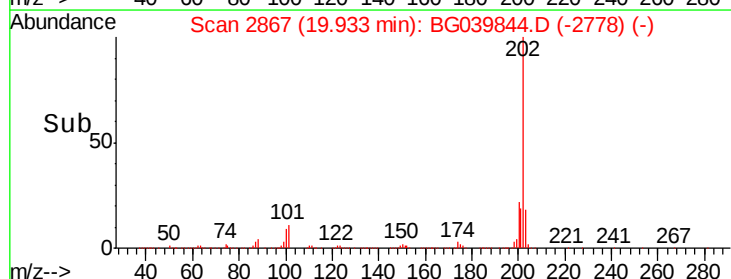
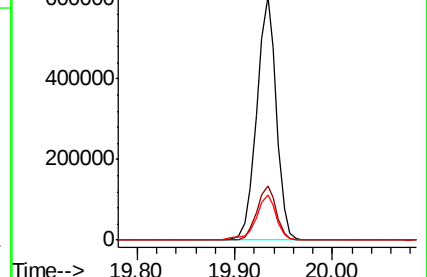
203 18.5 15.3 22.9

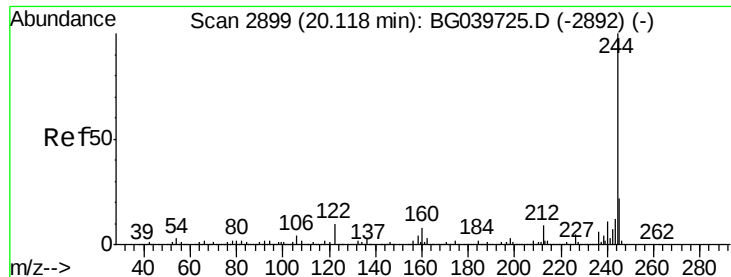


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 69.337 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampled :

TP-13MSD

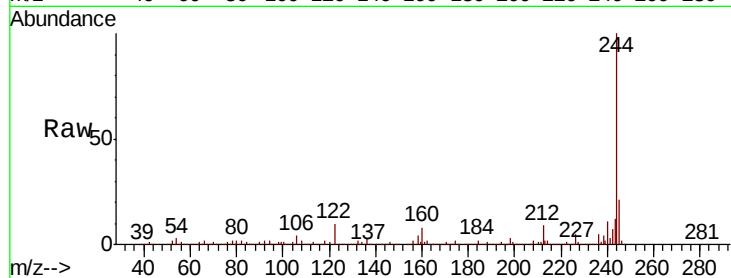
Tgt Ion:244 Resp: 1139308

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

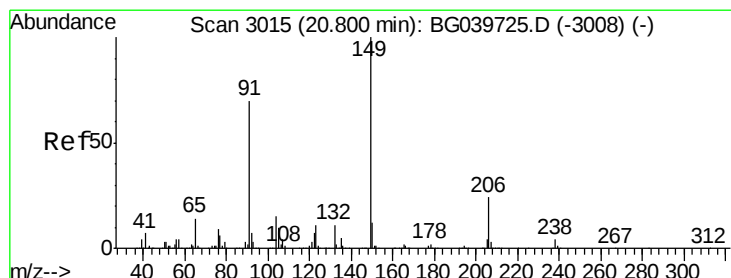
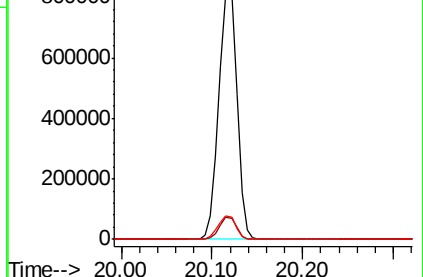
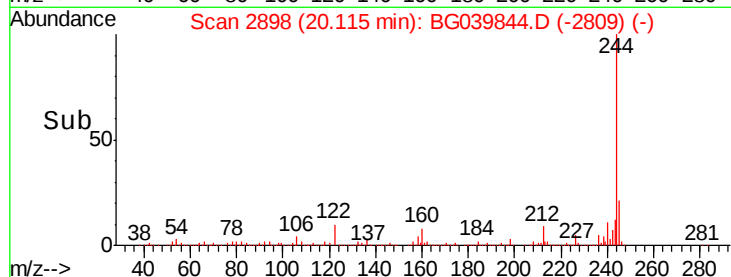
122 9.9 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.066 ng

RT: 20.80 min Scan# 3014

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

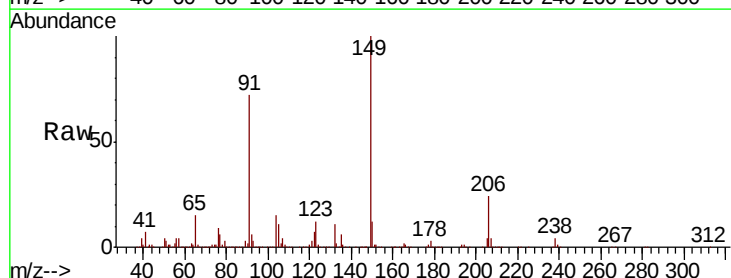
Tgt Ion:149 Resp: 364922

Ion Ratio Lower Upper

149 100

91 71.9 59.5 89.3

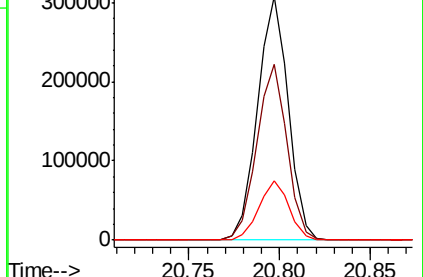
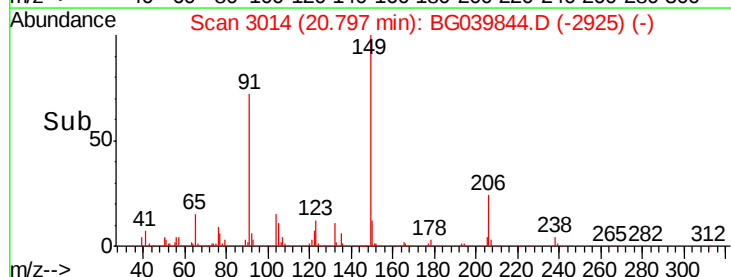
206 24.1 18.6 27.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

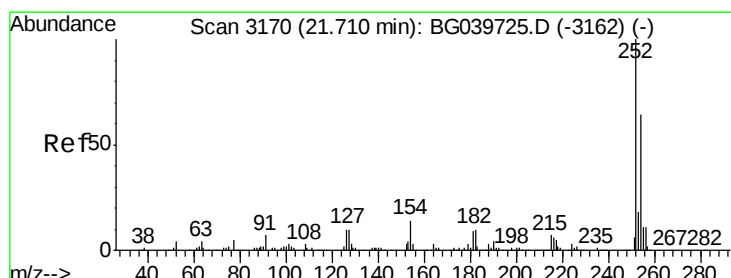
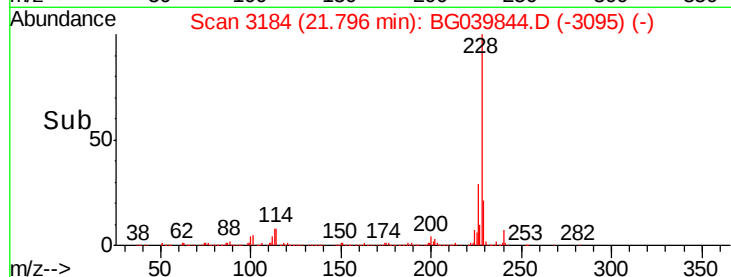
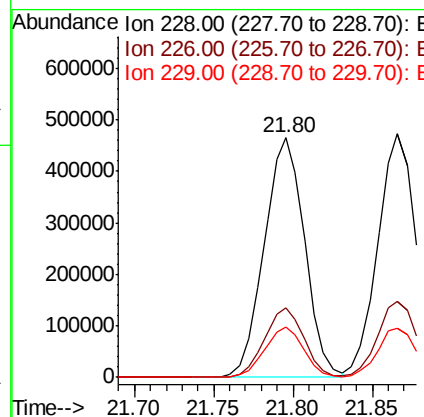
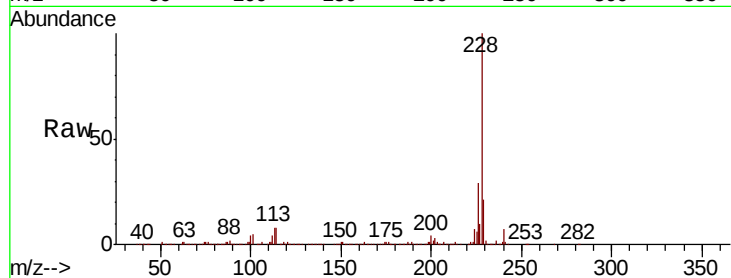




#81
Benzo(a)anthracene
Concen: 36.180 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

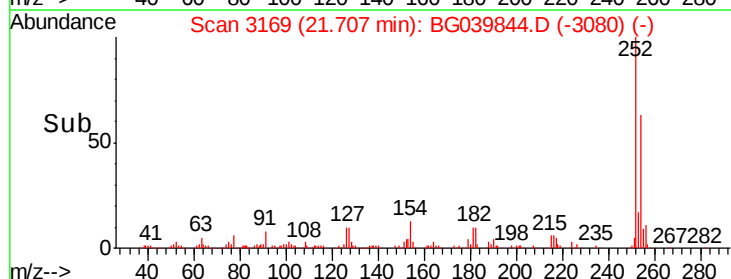
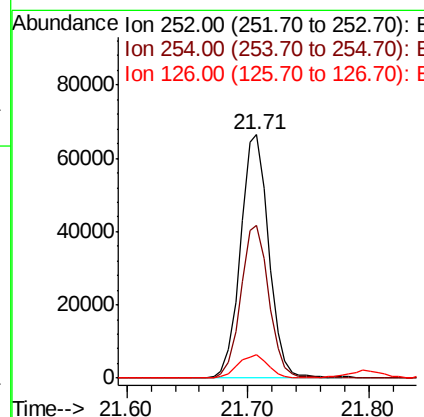
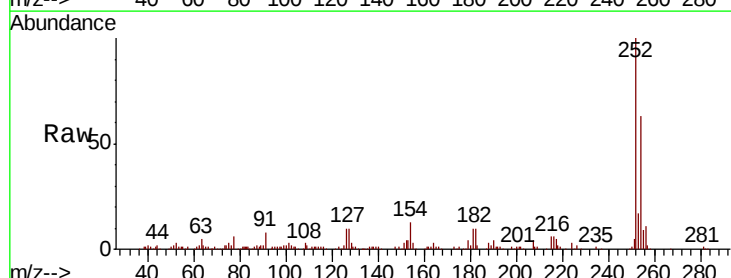
Instrument :
BNA_G
ClientSampleId :
TP-13MSD

Tgt Ion:228 Resp: 820345
Ion Ratio Lower Upper
228 100
226 29.3 23.0 34.6
229 20.9 16.9 25.3



#82
3,3'-Dichlorobenzidine
Concen: 13.124 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.01 min
Lab File: BG039844.D
Acq: 11 Mar 2019 16:32

Tgt Ion:252 Resp: 108644
Ion Ratio Lower Upper
252 100
254 62.8 51.3 76.9
126 9.7 8.0 12.0





#83

Chrysene

Concen: 35.968 ng

RT: 21.87 min Scan# 3196

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

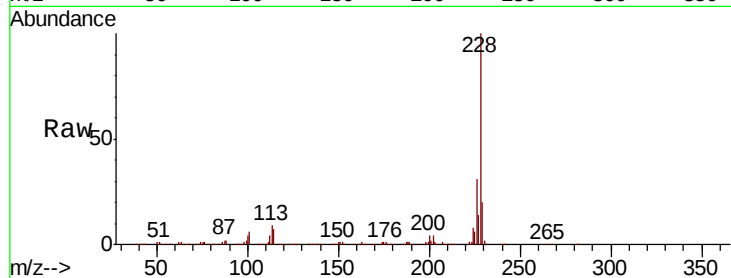
Tgt Ion:228 Resp: 790660

Ion Ratio Lower Upper

228 100

226 31.2 25.8 38.6

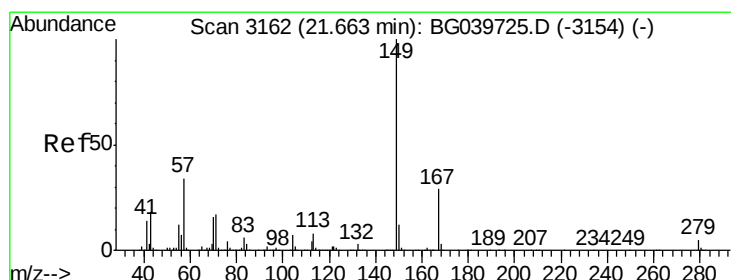
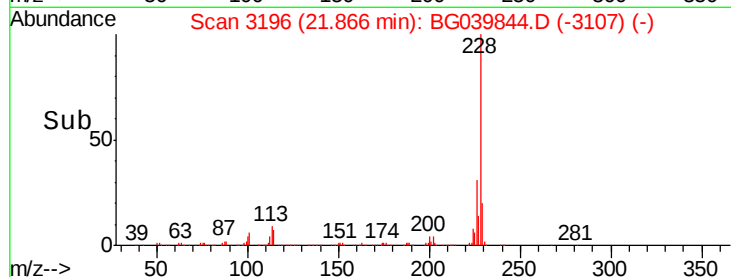
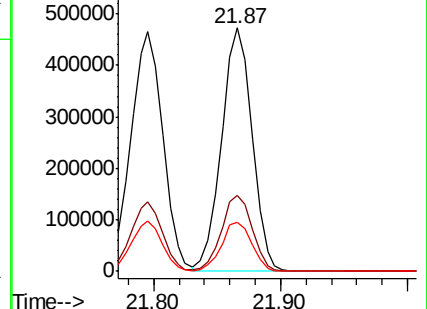
229 20.0 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.192 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

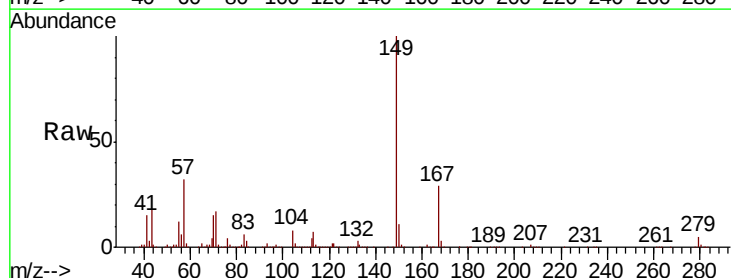
Tgt Ion:149 Resp: 514415

Ion Ratio Lower Upper

149 100

167 28.6 22.6 34.0

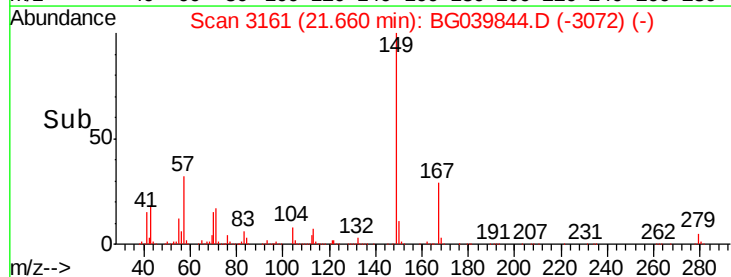
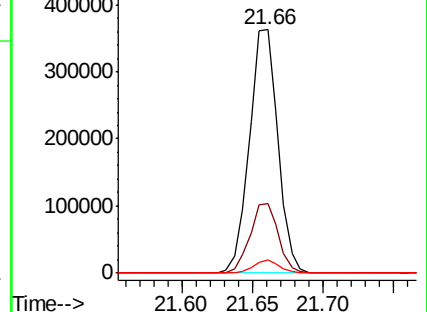
279 5.2 3.5 5.3

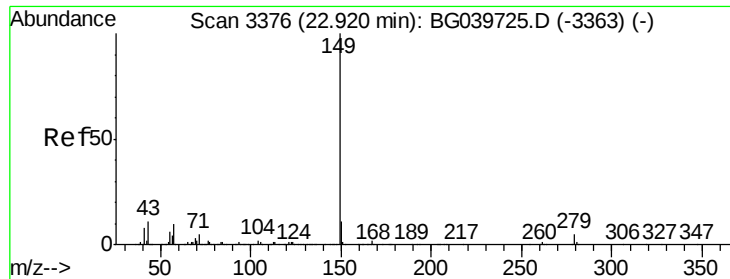


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 41.156 ng

RT: 22.91 min Scan# 3374

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

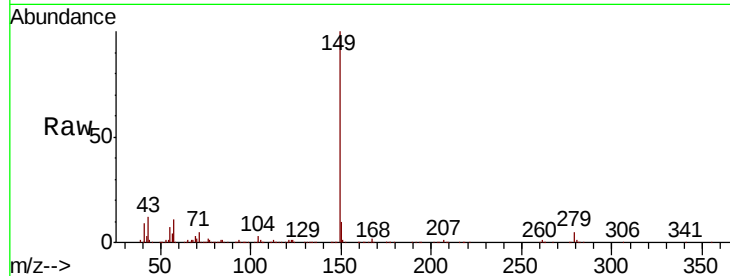
Tgt Ion:149 Resp: 872178

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

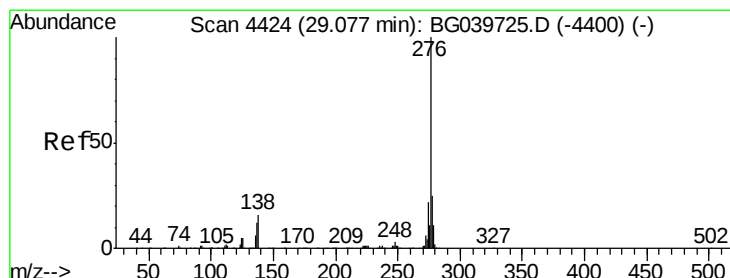
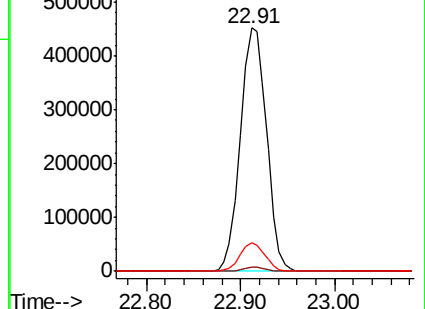
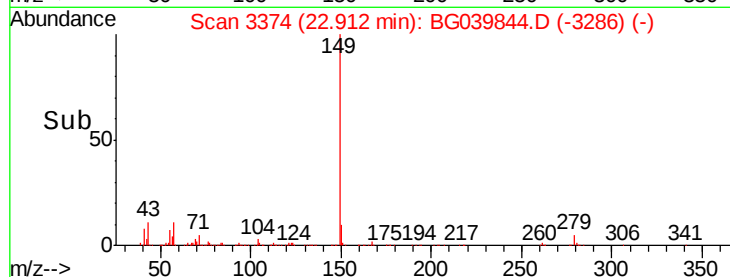
43 11.1 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 37.778 ng

RT: 29.07 min Scan# 4422

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

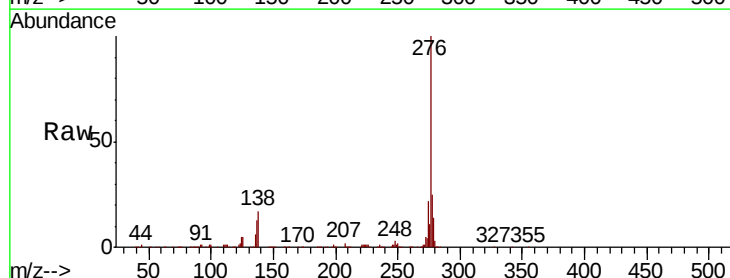
Tgt Ion:276 Resp: 942086

Ion Ratio Lower Upper

276 100

138 13.1 12.6 19.0

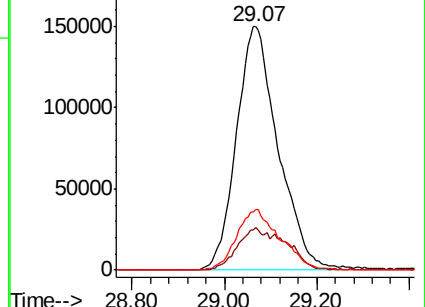
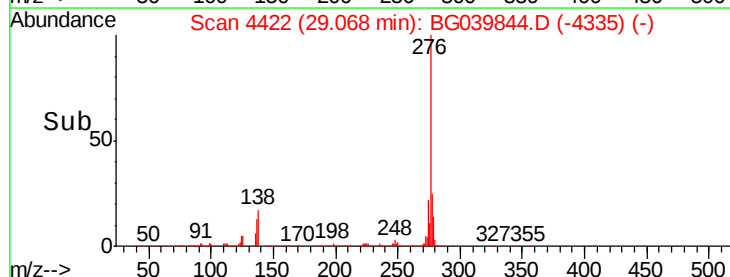
277 25.9 20.8 31.2

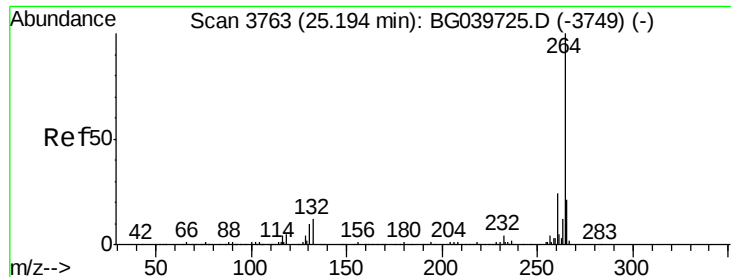


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.19 min Scan# 3761

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

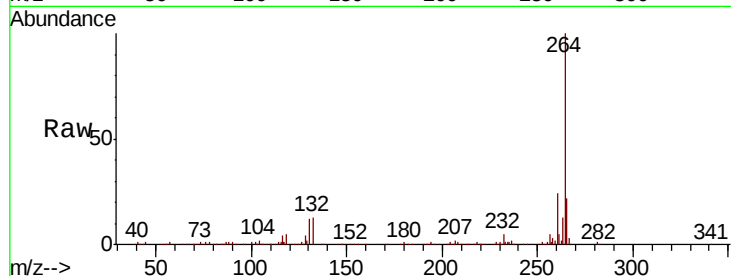
Tgt Ion:264 Resp: 374091

Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.4

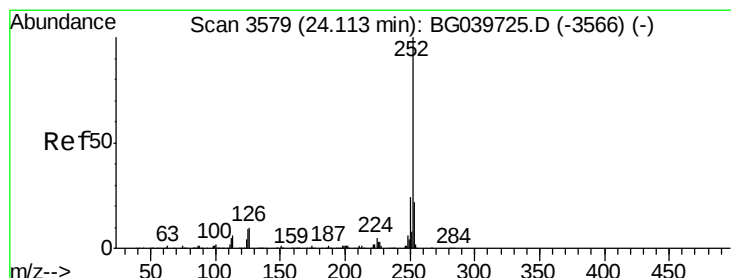
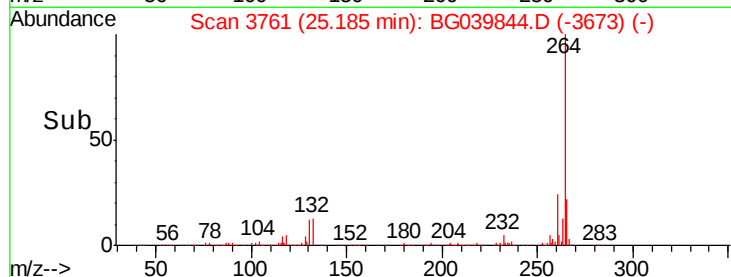
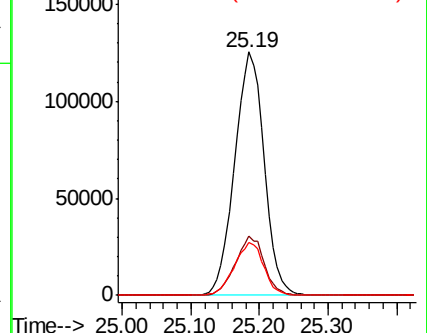
265 21.7 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 36.844 ng

RT: 24.10 min Scan# 3577

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

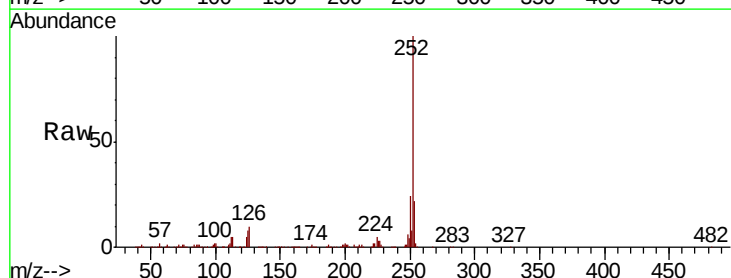
Tgt Ion:252 Resp: 821902

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

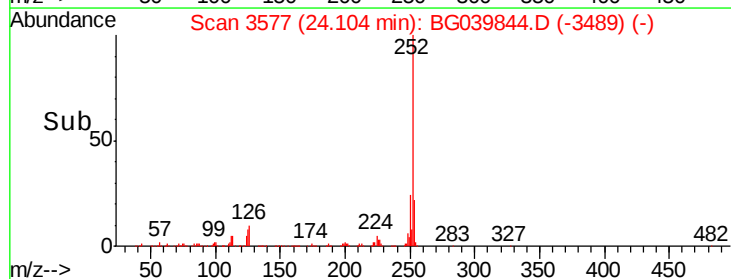
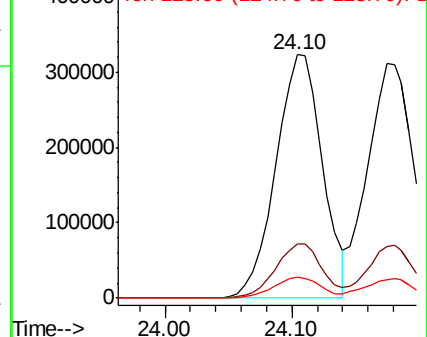
125 8.5 7.8 11.6

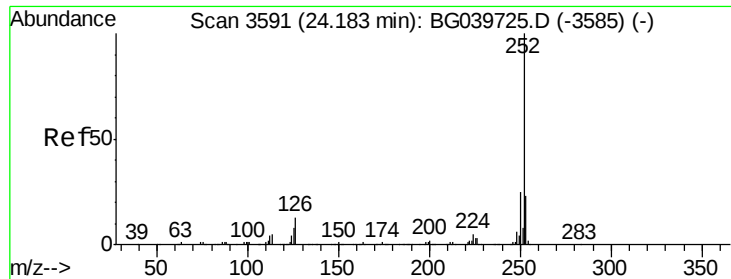


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 38.043 ng

RT: 24.17 min Scan# 3589

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

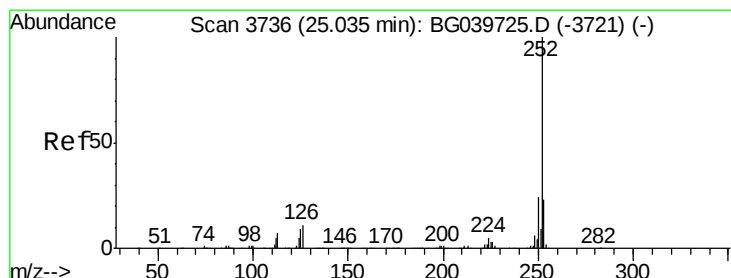
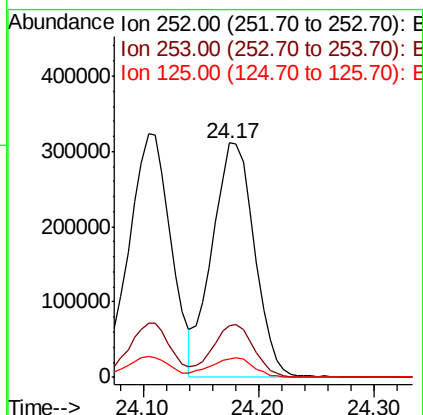
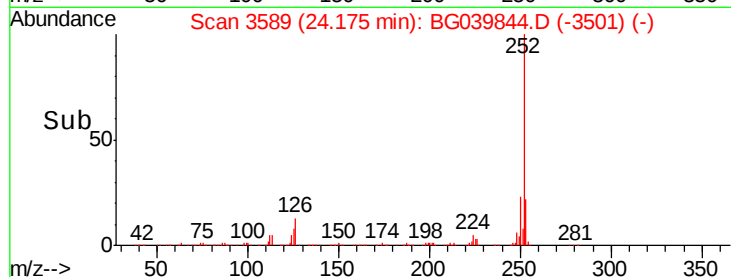
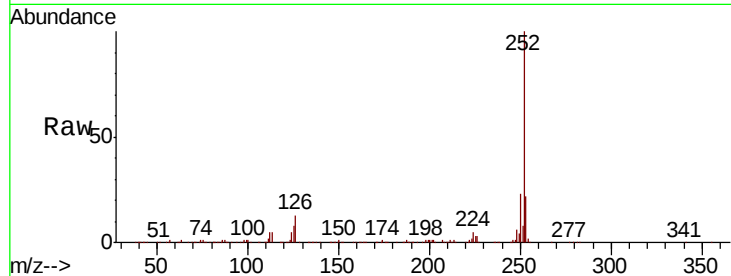
Tgt Ion:252 Resp: 789972

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

125 7.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 39.255 ng

RT: 25.03 min Scan# 3734

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

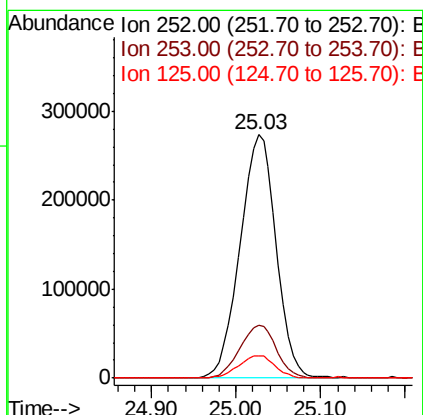
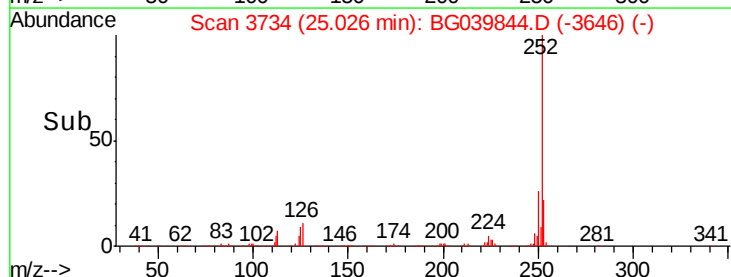
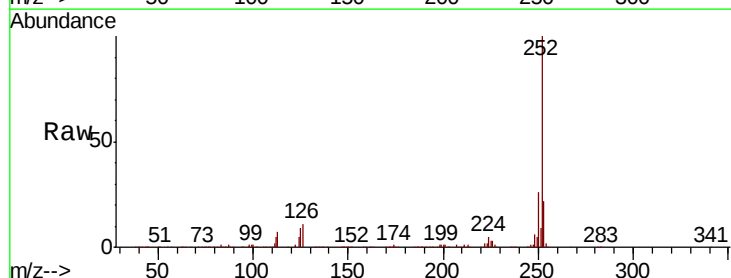
Tgt Ion:252 Resp: 809198

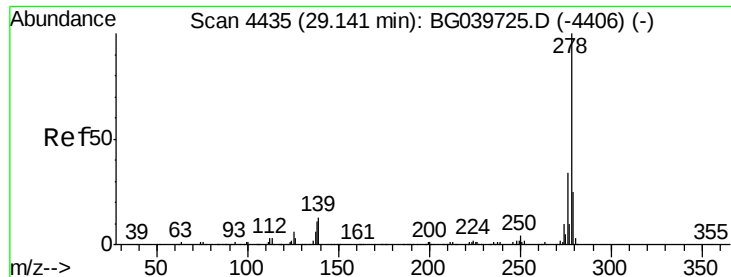
Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

125 9.2 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 38.190 ng

RT: 29.13 min Scan# 4432

Delta R.T. -0.03 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

Instrument :

BNA_G

ClientSampleId :

TP-13MSD

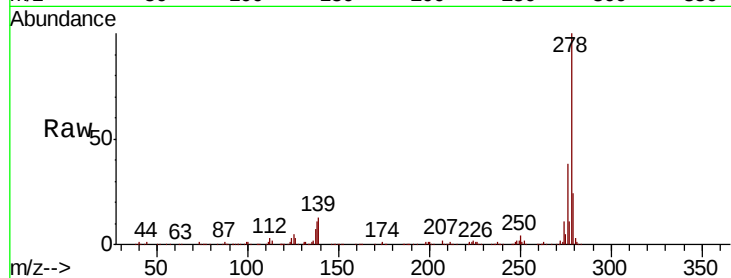
Tgt Ion:278 Resp: 771772

Ion Ratio Lower Upper

278 100

139 13.4 11.7 17.5

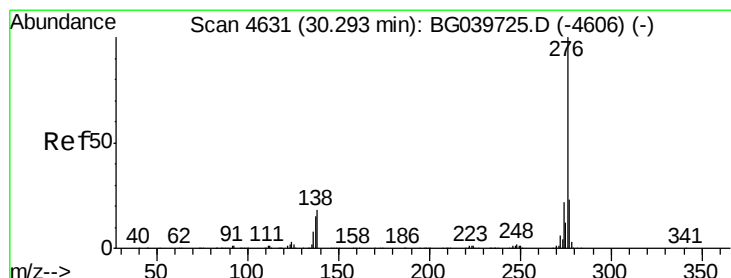
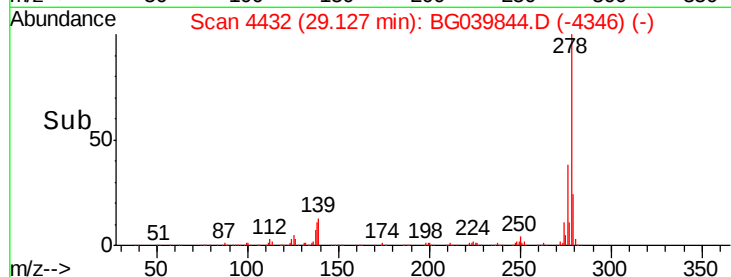
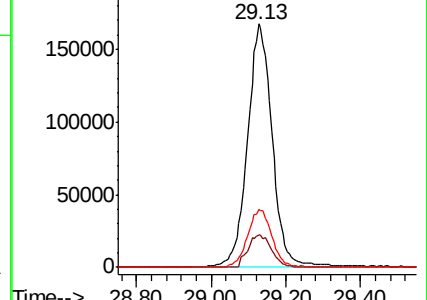
279 24.0 19.1 28.7



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: 38.527 ng

RT: 30.29 min Scan# 4630

Delta R.T. -0.02 min

Lab File: BG039844.D

Acq: 11 Mar 2019 16:32

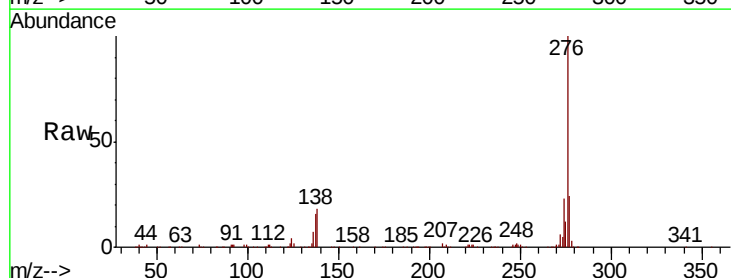
Tgt Ion:276 Resp: 781953

Ion Ratio Lower Upper

276 100

277 23.8 19.6 29.4

138 18.1 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

