

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061219\
 Data File : BG041207.D
 Acq On : 12 Jun 2019 15:39
 Operator : HP/JU
 Sample : K3283-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

Quant Time: Jun 13 05:35:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	44062	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	179742	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	134537	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	334518	20.00	ng	0.00
76) Chrysene-d12	21.76	240	329721	20.00	ng	0.00
87) Perylene-d12	25.09	264	346220	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	413953	169.41	ng	0.00
7) Phenol-d6	7.26	99	634029	168.01	ng	0.01
23) Nitrobenzene-d5	9.29	82	437507	108.06	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	349450	174.96	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	948395	101.52	ng	0.00
79) Terphenyl-d14	20.07	244	1590247	102.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.50	88	36925	33.301	ng	94
3) Pyridine	3.91	79	73576	22.425	ng	97
4) n-Nitrosodimethylamine	3.83	42	66793	43.864	ng	83
6) Aniline	7.43	93	133438	26.491	ng	95
8) 2-Chlorophenol	7.66	128	137868	47.326	ng	98
9) Benzaldehyde	7.25	77	38433	17.072	ng	87
10) Phenol	7.28	94	190784	47.151	ng	100
11) bis(2-Chloroethyl)ether	7.52	93	126679	43.156	ng	99
12) 1,3-Dichlorobenzene	7.99	146	142142	40.853	ng	95
13) 1,4-Dichlorobenzene	8.14	146	147416	41.857	ng	97
14) 1,2-Dichlorobenzene	8.46	146	143940	42.093	ng	99
15) Benzyl Alcohol	8.35	79	160932	46.101	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.63	45	189782	39.566	ng	94
17) 2-Methylphenol	8.54	107	130530	44.555	ng	97
18) Hexachloroethane	9.19	117	54225	39.948	ng	90
19) n-Nitroso-di-n-propylamine	8.91	70	120237	41.402	ng	97
20) 3+4-Methylphenols	8.87	107	181026	44.608	ng	98
22) Acetophenone	8.94	105	235522	46.711	ng	# 96
24) Nitrobenzene	9.33	77	196315	47.579	ng	99
25) Isophorone	9.84	82	351088	45.565	ng	98
26) 2-Nitrophenol	10.04	139	86454	50.826	ng	# 89
27) 2,4-Dimethylphenol	10.08	122	148520	52.867	ng	96
28) bis(2-Chloroethoxy)methane	10.32	93	181256	43.585	ng	96
29) 2,4-Dichlorophenol	10.57	162	175938	49.318	ng	94
30) 1,2,4-Trichlorobenzene	10.78	180	184413	45.441	ng	98
31) Naphthalene	10.98	128	450625	46.694	ng	99
32) Benzoic acid	10.19	122	27723	18.672	ng	92
33) 4-Chloroaniline	11.09	127	123139	27.500	ng	94
34) Hexachlorobutadiene	11.24	225	129023	41.550	ng	94
35) Caprolactam	11.89	113	32862	27.895	ng	# 87
36) 4-Chloro-3-methylphenol	12.19	107	196344	48.191	ng	99
37) 2-Methylnaphthalene	12.57	142	346702	46.646	ng	98
38) 1-Methylnaphthalene	12.79	142	328484	46.899	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	260593	48.057	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	284660	95.840	ng	98
43) 2,4,6-Trichlorophenol	13.18	196	171222	48.810	ng	92
44) 2,4,5-Trichlorophenol	13.25	196	182037	49.205	ng	98
46) 1,1'-Biphenyl	13.57	154	475826	47.780	ng	99
47) 2-Chloronaphthalene	13.62	162	398360	46.595	ng	99
48) 2-Nitroaniline	13.83	65	145277	47.367	ng	97
49) Acenaphthylene	14.47	152	610531	47.448	ng	99
50) Dimethylphthalate	14.19	163	628243	55.164	ng	99
51) 2,6-Dinitrotoluene	14.32	165	117892	48.012	ng	97
52) Acenaphthene	14.80	154	357164	45.820	ng	95
53) 3-Nitroaniline	14.66	138	98485	40.110	ng	97
54) 2,4-Dinitrophenol	14.86	184	76493	65.306	ng	93
55) Dibenzofuran	15.13	168	623947	47.571	ng	99
56) 4-Nitrophenol	14.96	139	168568	100.089	ng	90
57) 2,4-Dinitrotoluene	15.10	165	171044	49.313	ng	98
58) Fluorene	15.78	166	488524	46.769	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.36	232	193392	53.192	ng	97
60) Diethylphthalate	15.54	149	530689	45.661	ng	100
61) 4-Chlorophenyl-phenylether	15.77	204	310250	45.696	ng	94
62) 4-Nitroaniline	15.82	138	113984	43.849	ng	97
63) Azobenzene	16.06	77	483736	45.793	ng	98
65) 4,6-Dinitro-2-methylphenol	15.86	198	89823	49.732	ng	96
66) n-Nitrosodiphenylamine	15.98	169	453372	48.212	ng	98
67) 4-Bromophenyl-phenylether	16.66	248	201710	44.681	ng	96
68) Hexachlorobenzene	16.78	284	211544	44.006	ng	100
69) Atrazine	16.92	200	192614	53.084	ng	99
70) Pentachlorophenol	17.12	266	243169	93.660	ng	98
71) Phenanthrene	17.52	178	835602	47.956	ng	100
72) Anthracene	17.62	178	833434	48.497	ng	98
73) Carbazole	17.89	167	731883	49.634	ng	99
74) Di-n-butylphthalate	18.42	149	825132	45.023	ng	97
75) Fluoranthene	19.53	202	1097680	51.002	ng	99
77) Benzidine	19.71	184	91810	11.672	ng	96
78) Pyrene	19.89	202	1088497	50.784	ng	99
80) Butylbenzylphthalate	20.76	149	385668	46.236	ng	97
81) Benzo(a)anthracene	21.74	228	1032930	47.062	ng	100
82) 3,3'-Dichlorobenzidine	21.65	252	267072	34.596	ng	98
83) Chrysene	21.81	228	1021795	48.649	ng	99
84) Bis(2-ethylhexyl)phthalate	21.61	149	598685	50.986	ng	99
85) Di-n-octyl phthalate	22.84	149	933400	47.730	ng	100
86) Indeno(1,2,3-cd)pyrene	28.89	276	397111	15.434	ng	# 72
88) Benzo(b)fluoranthene	24.02	252	1050492	50.025	ng	100
89) Benzo(k)fluoranthene	24.09	252	992774	47.775	ng	99
90) Benzo(a)pyrene	24.93	252	1014913	50.657	ng	96
91) Dibenzo(a,h)anthracene	28.97	278	837285	41.824	ng	97
92) Benzo(g,h,i)perylene	30.10	276	783600	40.290	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.00 min

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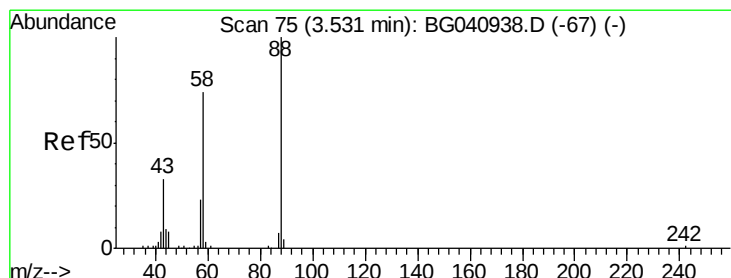
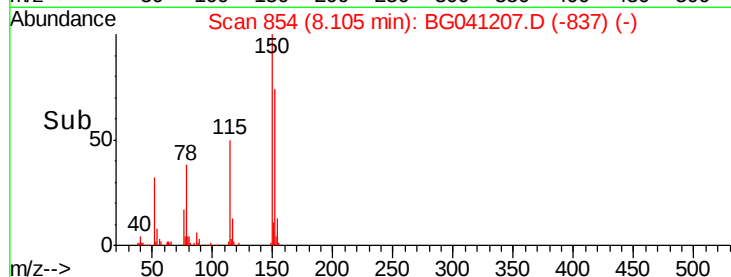
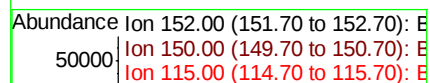
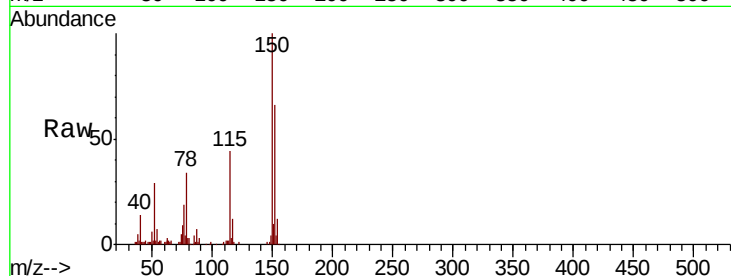
Tgt Ion:152 Resp: 44062

Ion Ratio Lower Upper

152 100

150 152.5 120.6 180.8

115 67.7 45.1 67.7



#2

1,4-Dioxane

Concen: 33.301 ng

RT: 3.50 min Scan# 70

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

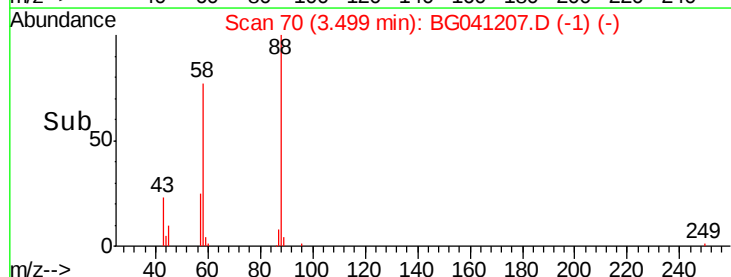
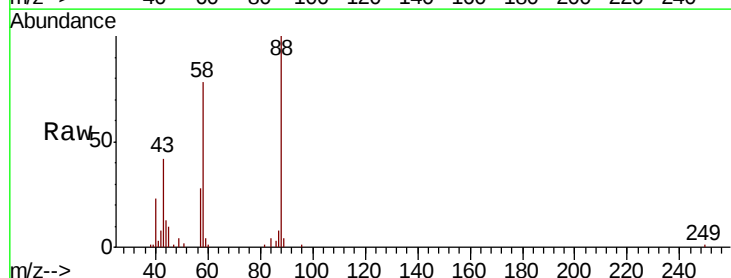
Tgt Ion: 88 Resp: 36925

Ion Ratio Lower Upper

88 100

58 77.7 59.0 88.6

43 38.9 27.2 40.8





#3

Pyridine

Concen: 22.425 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

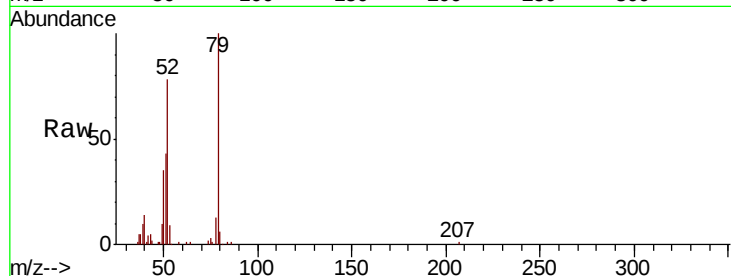
Tgt Ion: 79 Resp: 73576

Ion Ratio Lower Upper

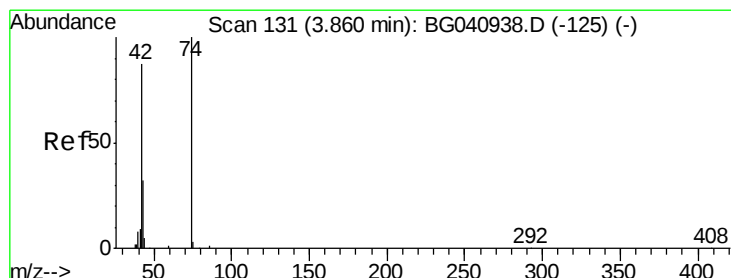
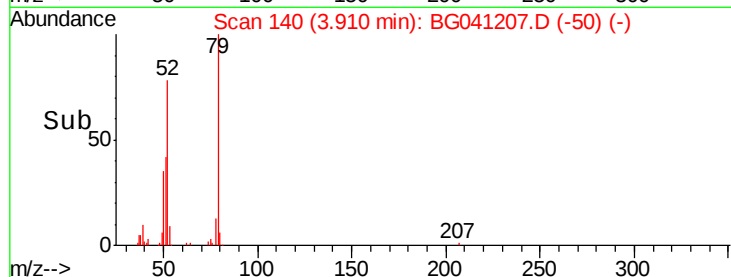
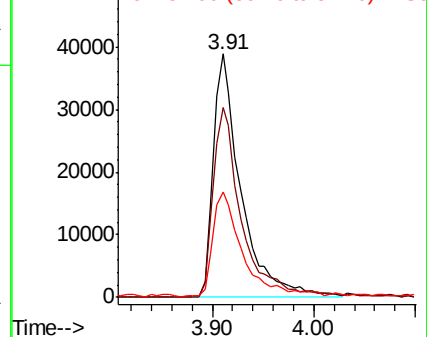
79 100

52 78.2 64.8 97.2

51 43.0 35.3 52.9



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



#4

n-Nitrosodimethylamine

Concen: 43.864 ng

RT: 3.83 min Scan# 126

Delta R.T. -0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

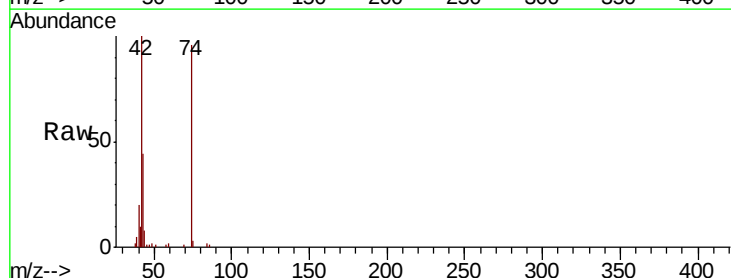
Tgt Ion: 42 Resp: 66793

Ion Ratio Lower Upper

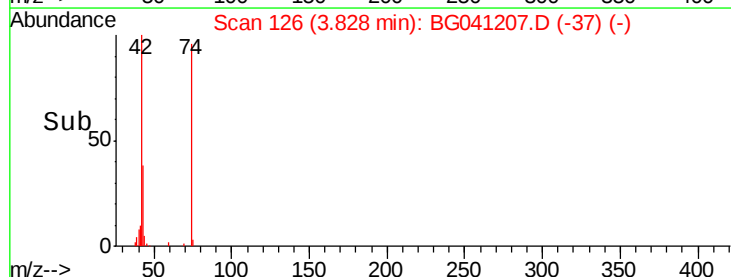
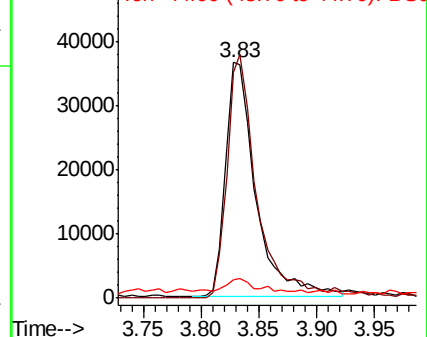
42 100

74 95.8 91.8 137.6

44 8.0 6.0 9.0



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





#5

2-Fluorophenol

Concen: 169.408 ng

RT: 5.64 min Scan# 435

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

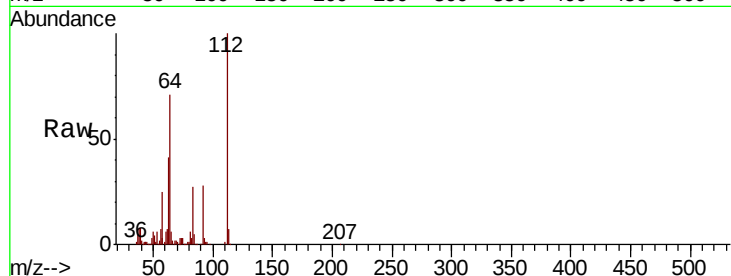
Tgt Ion: 112 Resp: 413953

Ion Ratio Lower Upper

112 100

64 70.7 56.2 84.2

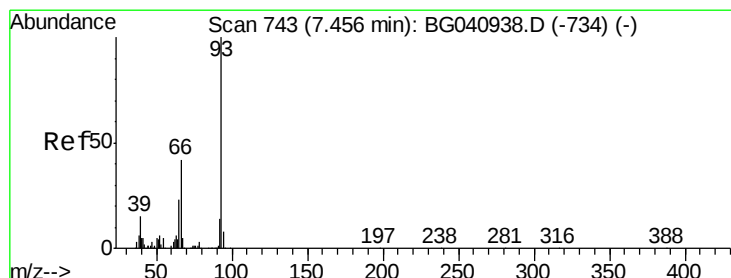
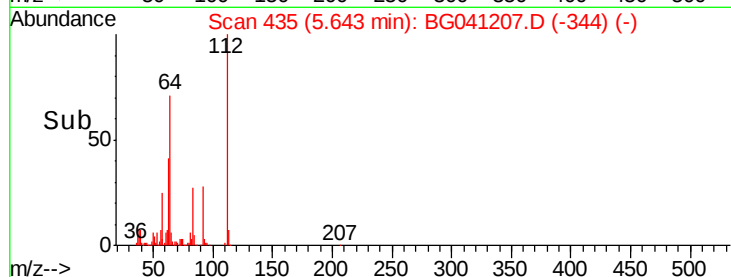
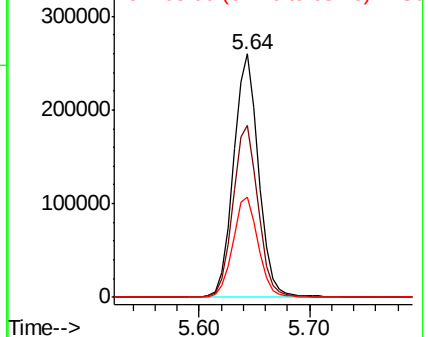
63 41.1 32.8 49.2



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: 26.491 ng

RT: 7.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

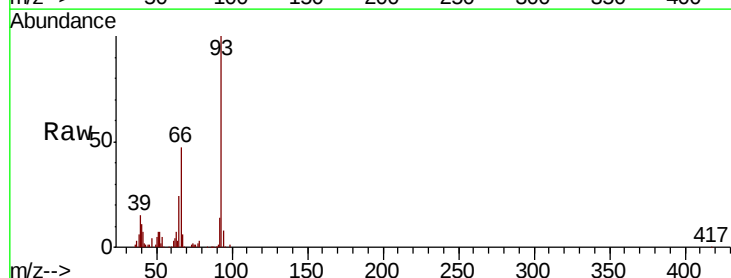
Tgt Ion: 93 Resp: 133438

Ion Ratio Lower Upper

93 100

66 46.8 33.8 50.8

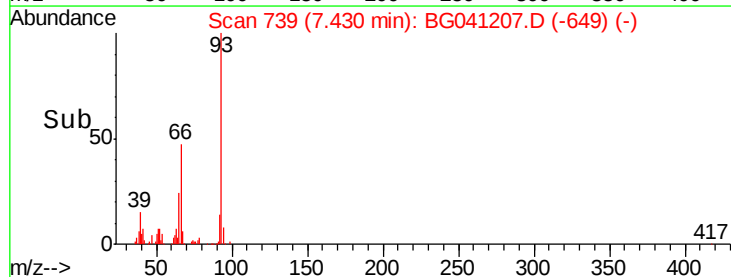
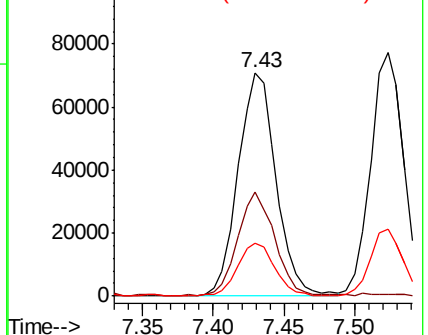
65 23.7 18.3 27.5



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: 168.009 ng

RT: 7.26 min Scan# 710

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

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200030-200034MSD

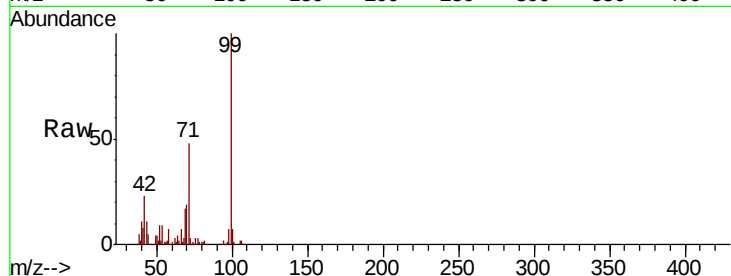
Tgt Ion: 99 Resp: 634029

Ion Ratio Lower Upper

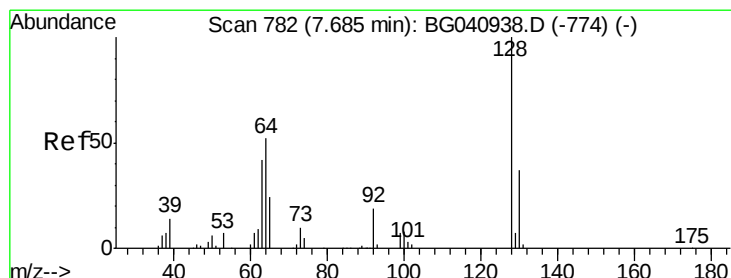
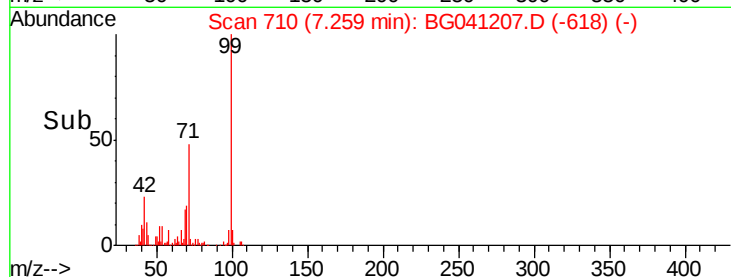
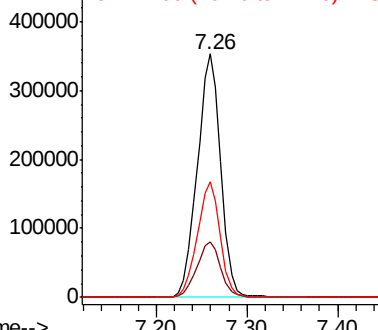
99 100

42 22.8 17.9 26.9

71 47.5 35.4 53.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 47.326 ng

RT: 7.66 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

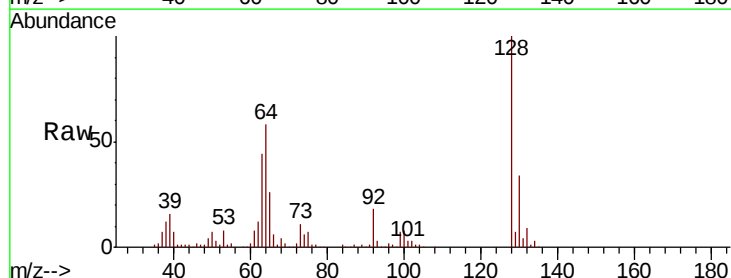
Tgt Ion: 128 Resp: 137868

Ion Ratio Lower Upper

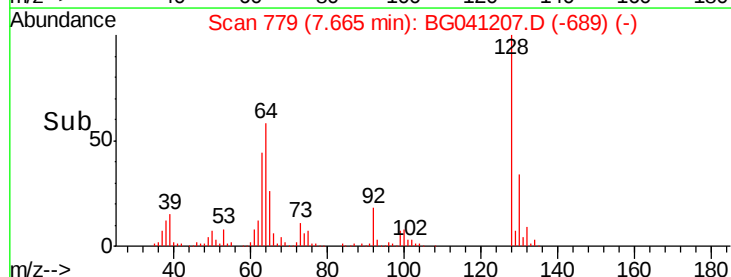
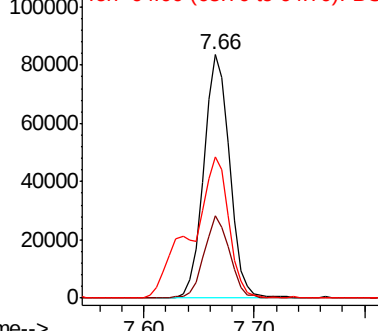
128 100

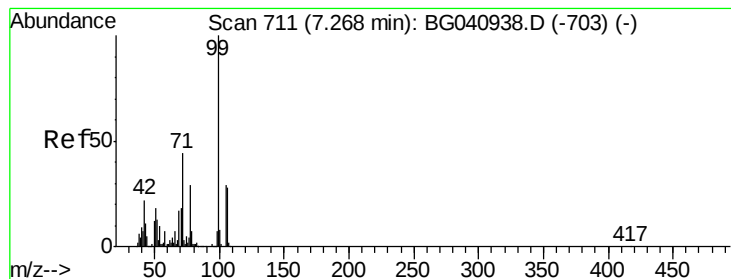
130 33.6 16.6 56.6

64 57.8 37.8 77.8



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





#9

Benzaldehyde

Concen: 17.072 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.01 min

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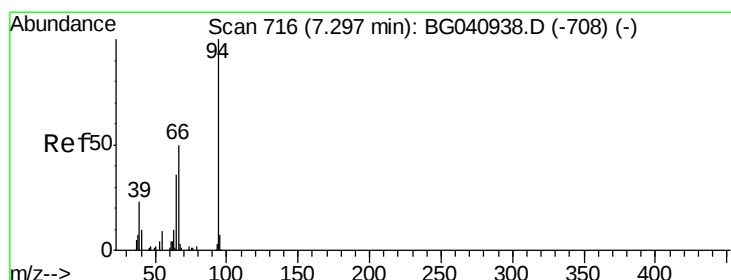
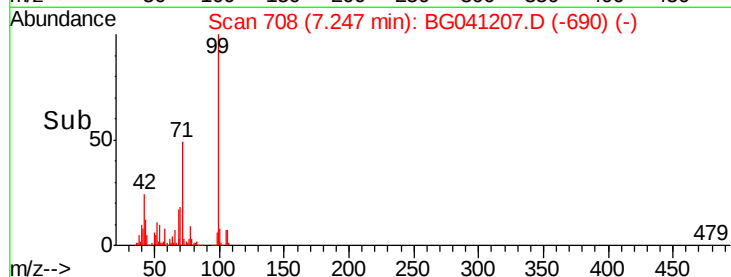
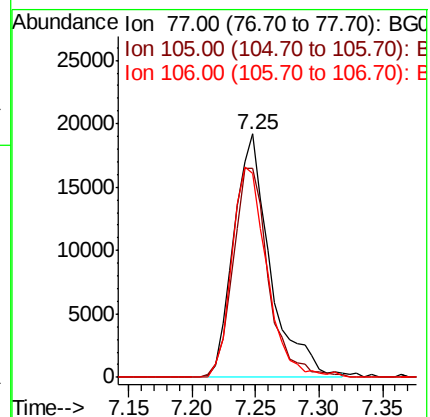
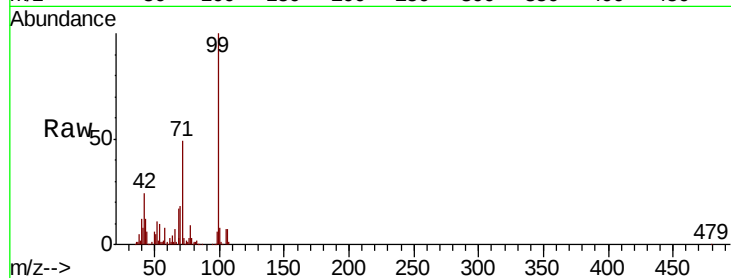
Tgt Ion: 77 Resp: 38433

Ion Ratio Lower Upper

77 100

105 86.0 78.9 118.9

106 83.9 76.7 116.7



#10

Phenol

Concen: 47.151 ng

RT: 7.28 min Scan# 714

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

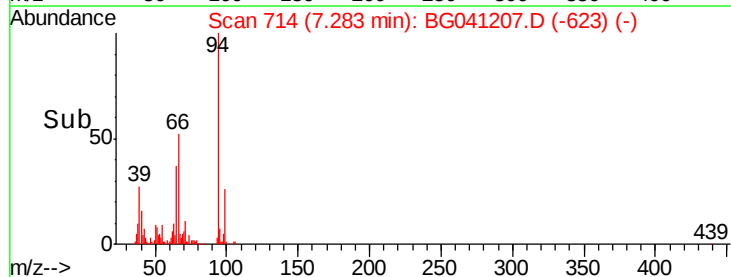
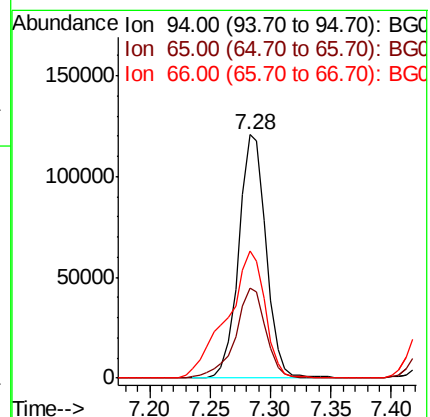
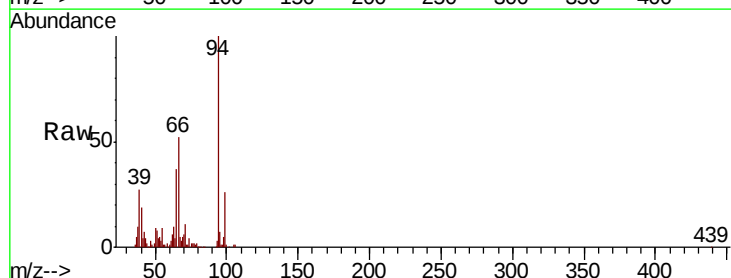
Tgt Ion: 94 Resp: 190784

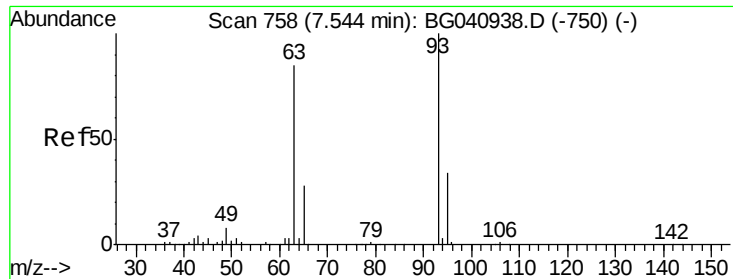
Ion Ratio Lower Upper

94 100

65 37.1 17.0 57.0

66 52.0 32.4 72.4

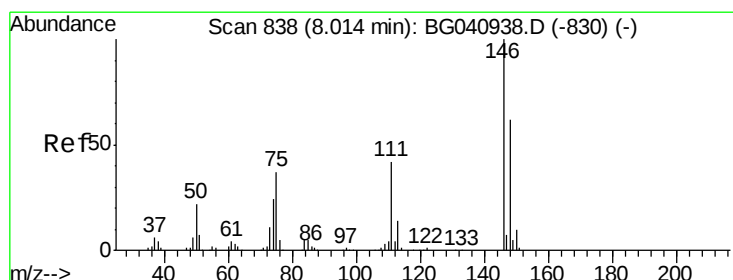
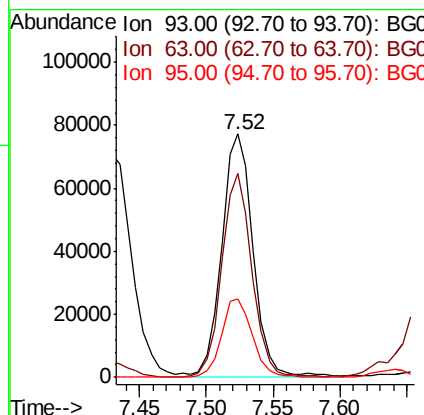
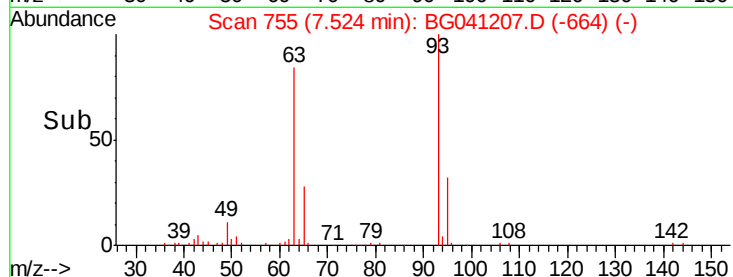
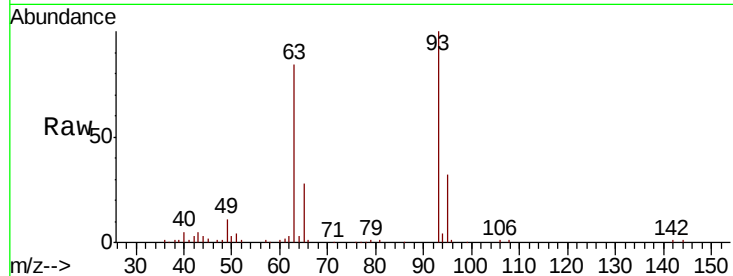




#11
bis(2-Chloroethyl)ether
Concen: 43.156 ng
RT: 7.52 min Scan# 755
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

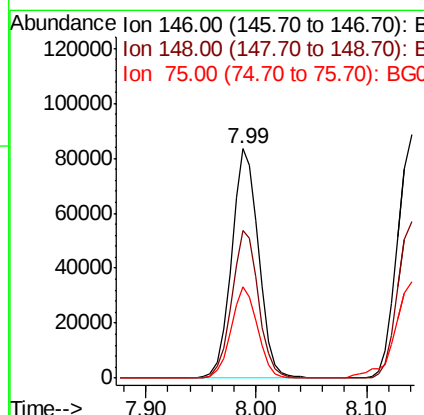
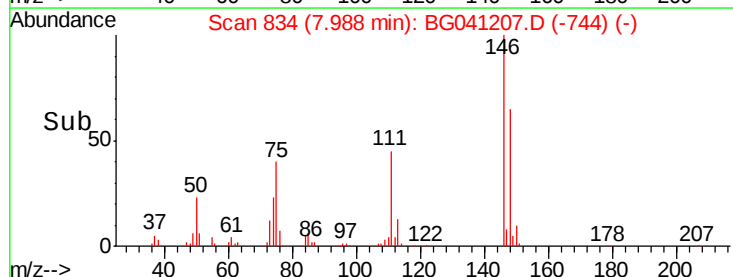
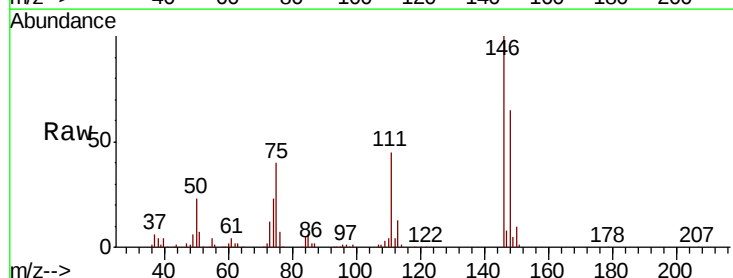
Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

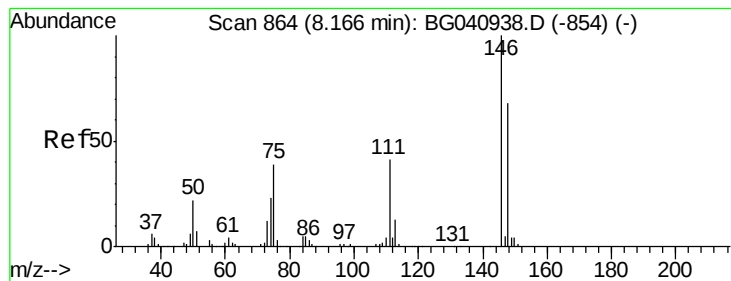
Tgt Ion: 93 Resp: 126679
Ion Ratio Lower Upper
93 100
63 83.7 64.5 104.5
95 32.2 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 40.853 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion: 146 Resp: 142142
Ion Ratio Lower Upper
146 100
148 64.5 49.2 73.8
75 40.1 29.4 44.0





#13

1,4-Dichlorobenzene

Concen: 41.857 ng

RT: 8.14 min Scan# 860

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

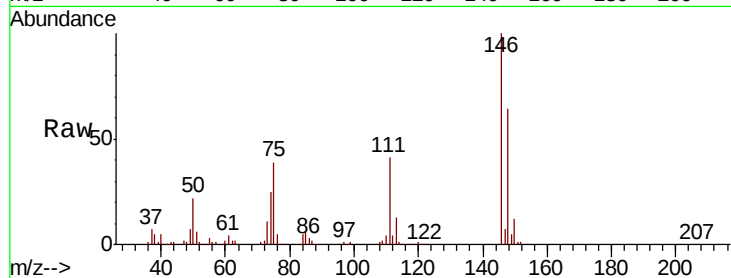
Tgt Ion:146 Resp: 147416

Ion Ratio Lower Upper

146 100

148 64.3 54.2 81.4

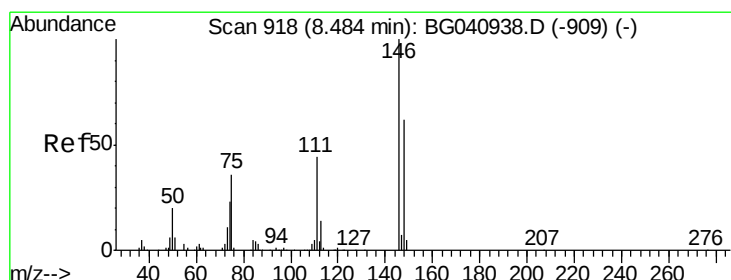
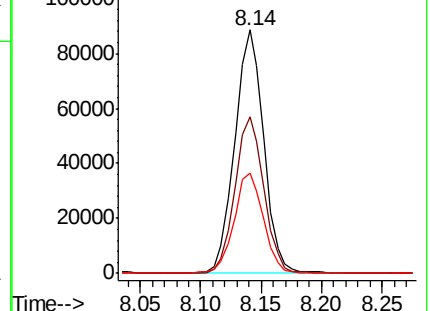
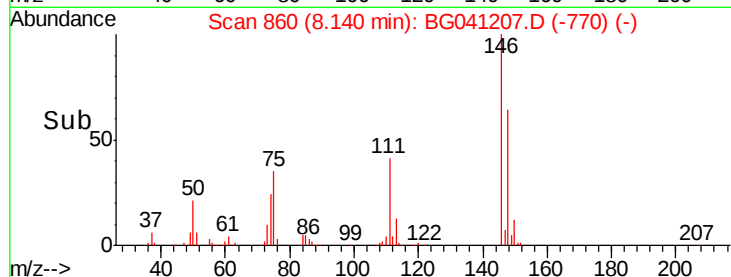
111 41.3 32.9 49.3



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.093 ng

RT: 8.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

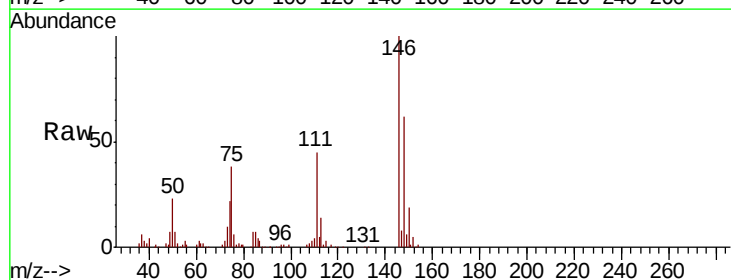
Tgt Ion:146 Resp: 143940

Ion Ratio Lower Upper

146 100

148 62.3 49.8 74.6

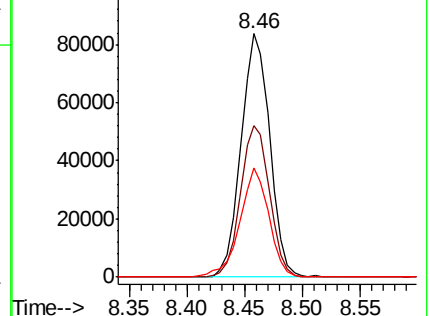
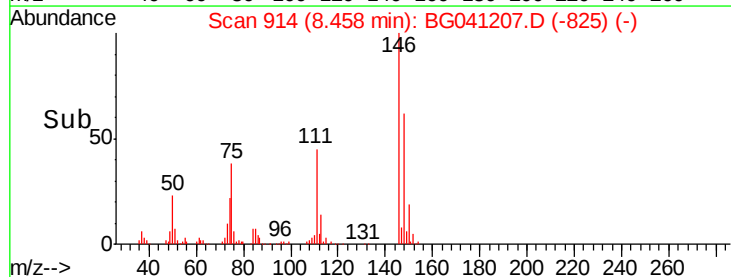
111 44.6 35.0 52.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

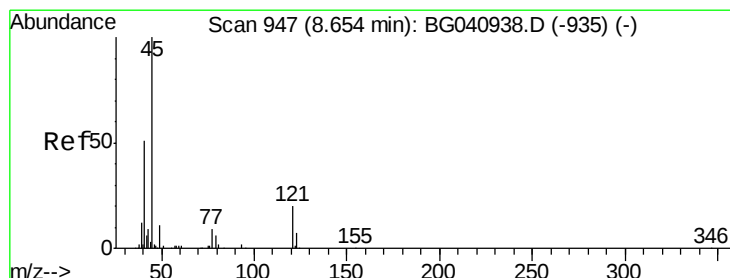
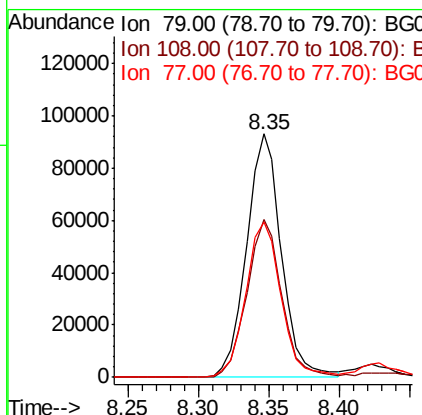
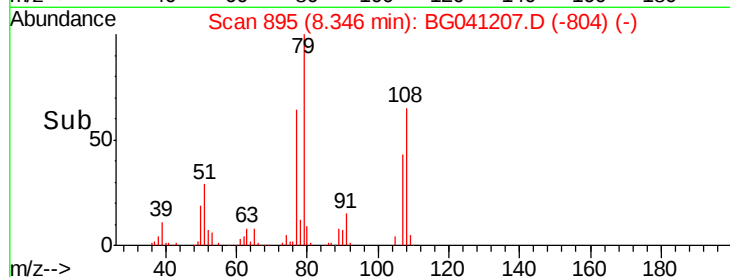
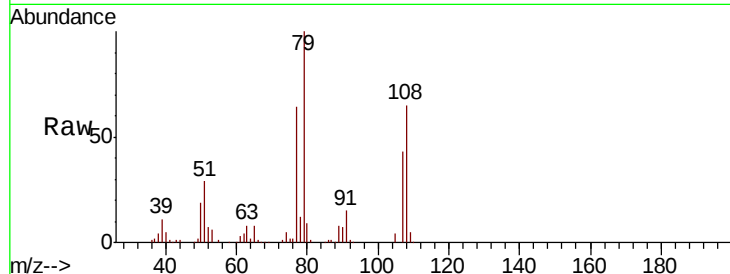




#15
Benzyl Alcohol
Concen: 46.101 ng
RT: 8.35 min Scan# 895
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

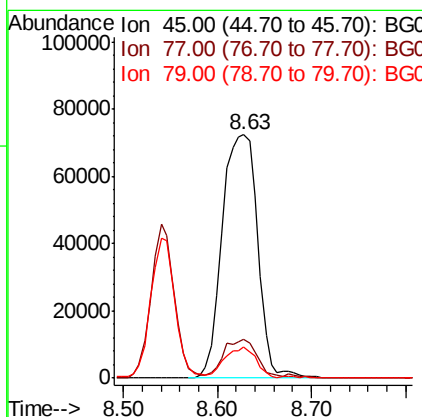
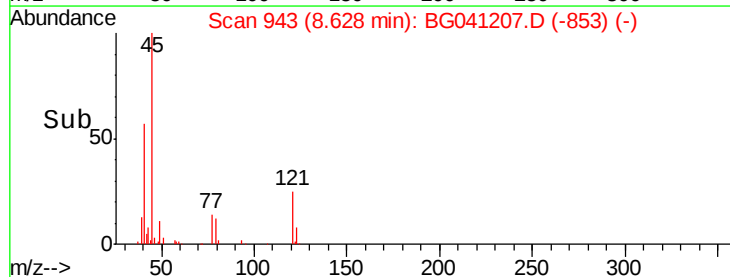
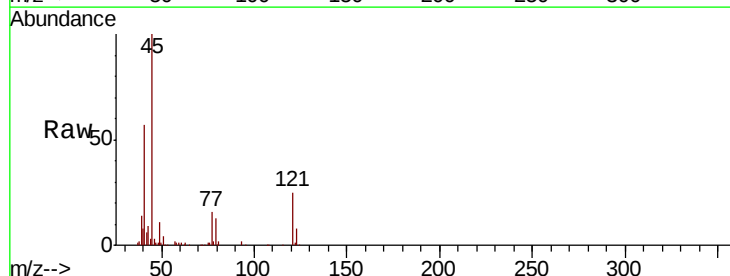
Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

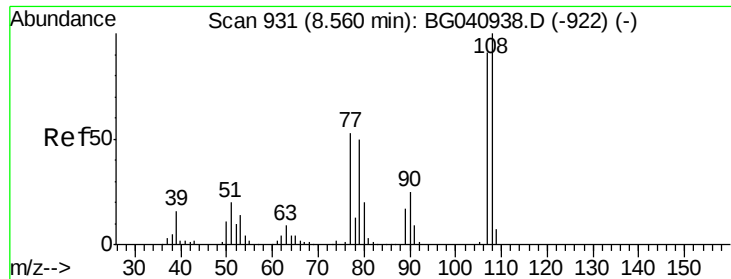
Tgt Ion:	79	Resp:	160932
Ion	Ratio	Lower	Upper
79	100		
108	64.7	48.3	72.5
77	63.7	52.3	78.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.566 ng
RT: 8.63 min Scan# 943
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:	45	Resp:	189782
Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	33.7
79	12.7	0.0	30.2

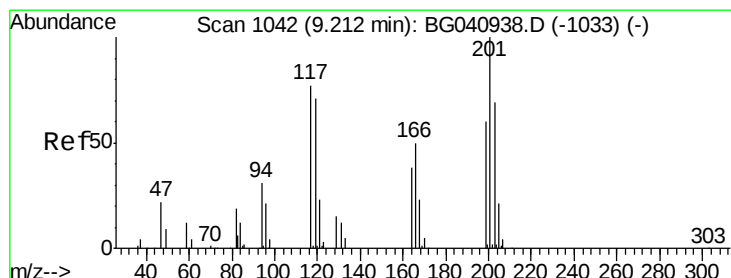
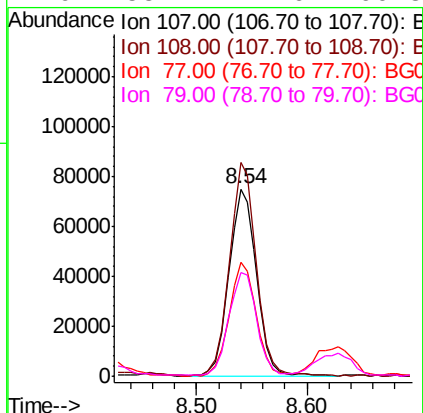
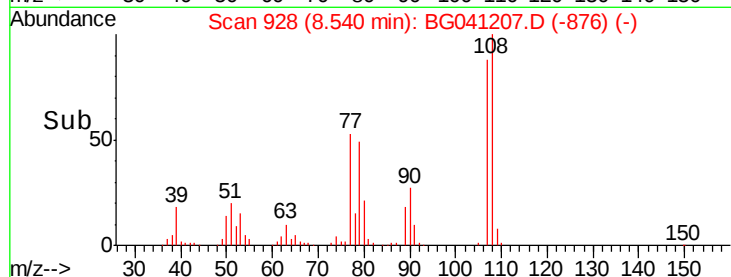
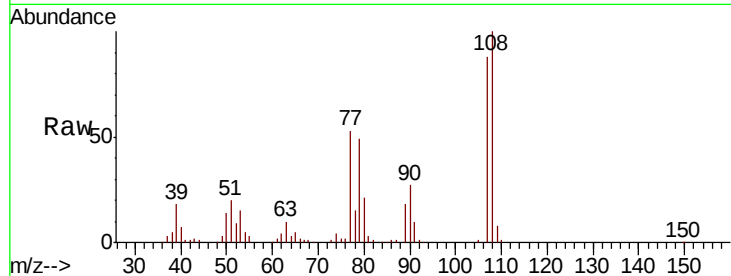




#17
2-Methylphenol
Concen: 44.555 ng
RT: 8.54 min Scan# 928
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

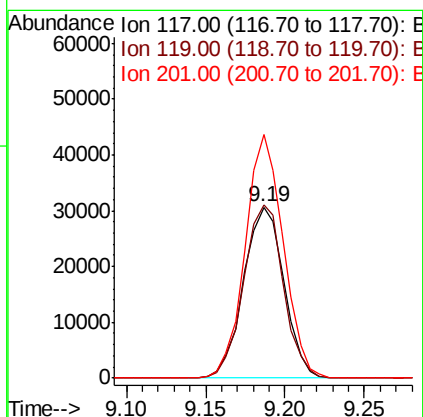
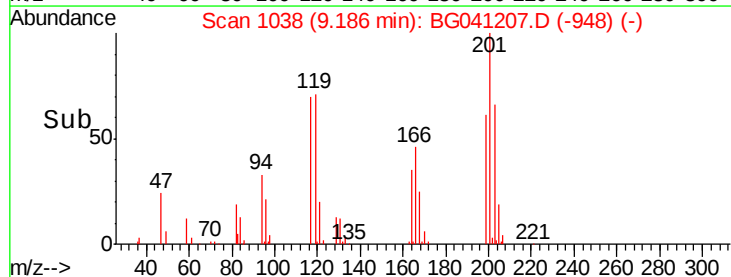
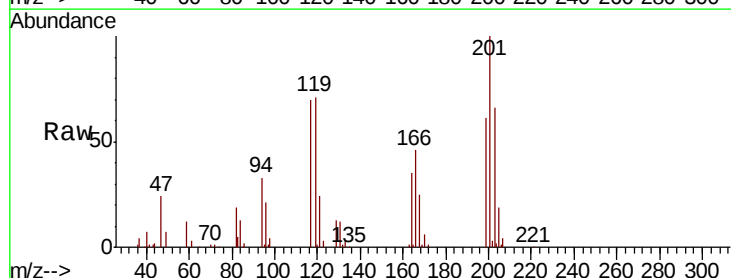
Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion:	107	Resp:	130530
Ion	Ratio	Lower	Upper
107	100		
108	114.1	87.7	131.5
77	61.0	46.6	70.0
79	55.7	44.6	66.8



#18
Hexachloroethane
Concen: 39.948 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:	117	Resp:	54225
Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.0	112.6
201	142.3	103.5	155.3

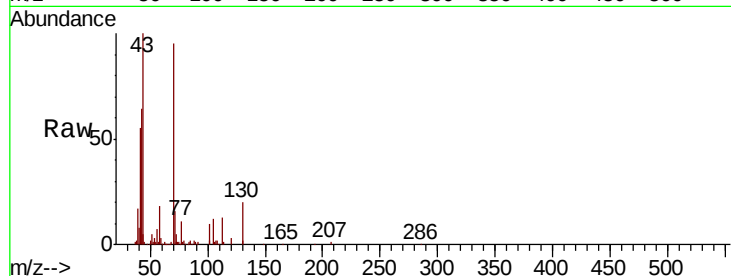




#19
n-Nitroso-di-n-propylamine
Concen: 41.402 ng
RT: 8.91 min Scan# 991
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion:	70	Resp:	120237
Ion	Ratio	Lower	Upper
70	100		
42	67.4	51.5	77.3
101	11.0	8.1	12.1
130	20.9	16.6	24.8



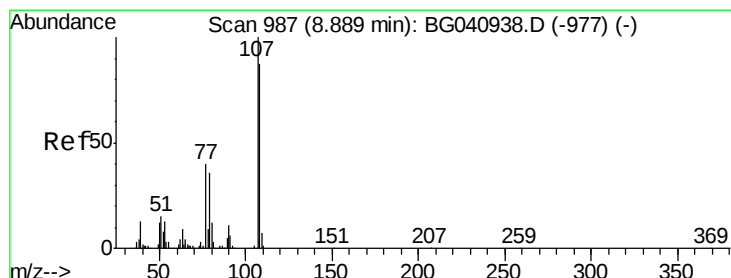
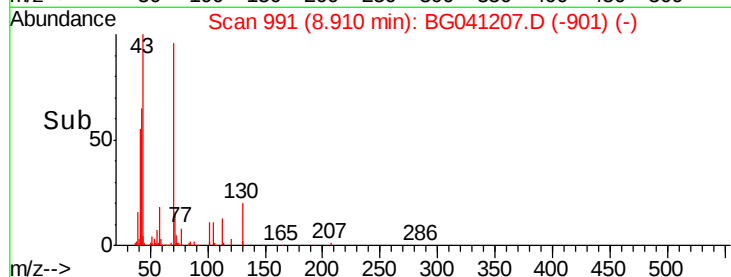
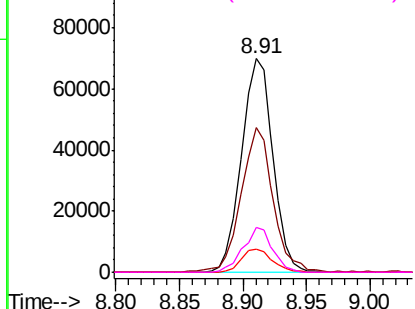
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

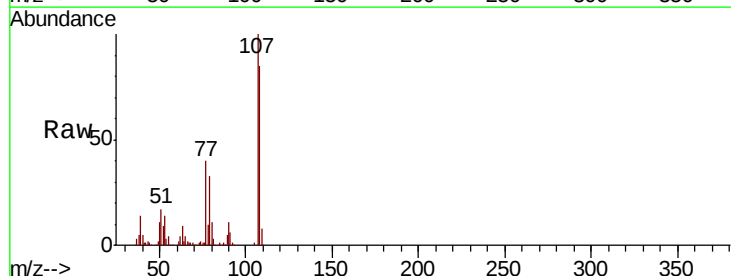
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 44.608 ng
RT: 8.87 min Scan# 984
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:	107	Resp:	181026
Ion	Ratio	Lower	Upper
107	100		
108	85.2	66.8	106.8
77	39.6	20.5	60.5
79	33.1	15.8	55.8



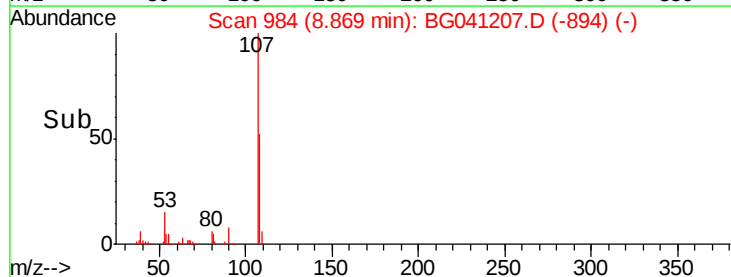
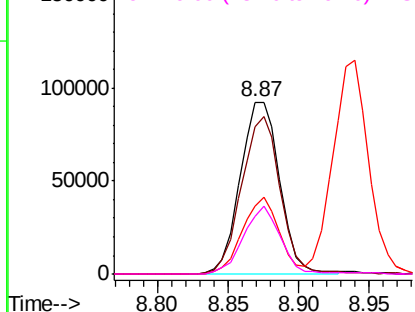
Abundance

Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

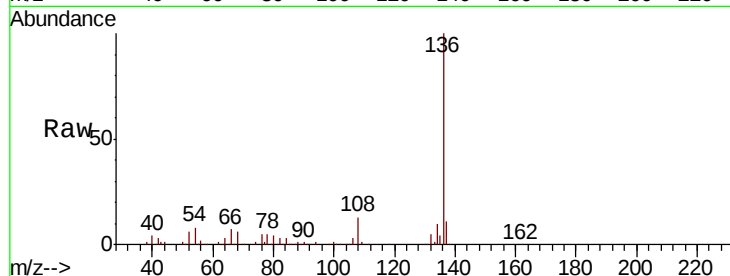




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion:	136	Resp:	179742
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.5	14.3
54	8.4	7.6	11.4
68	5.8	3.9	5.9



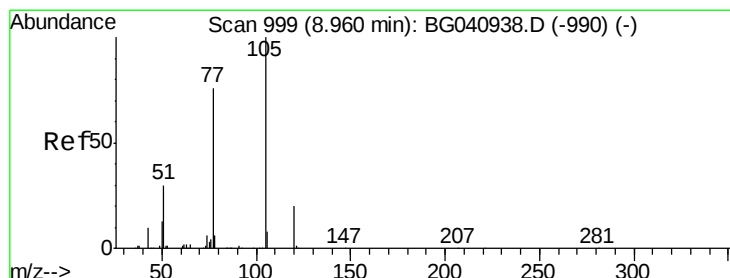
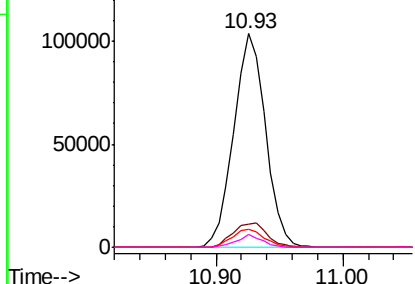
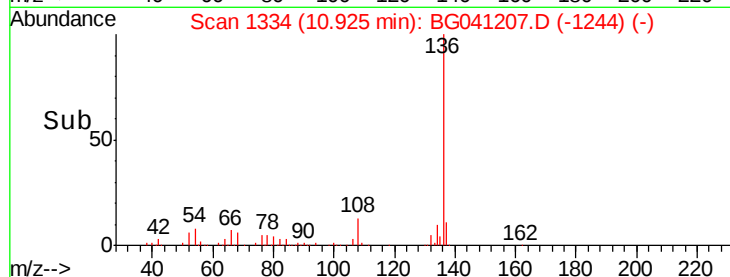
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

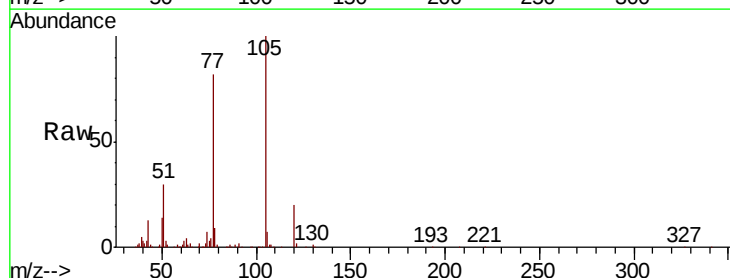
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 46.711 ng
RT: 8.94 min Scan# 996
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:	105	Resp:	235522
Ion	Ratio	Lower	Upper
105	100		
71	0.3	0.4	0.6#
51	30.1	27.0	40.6
120	19.7	16.2	24.4



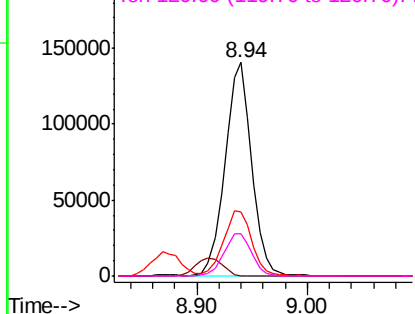
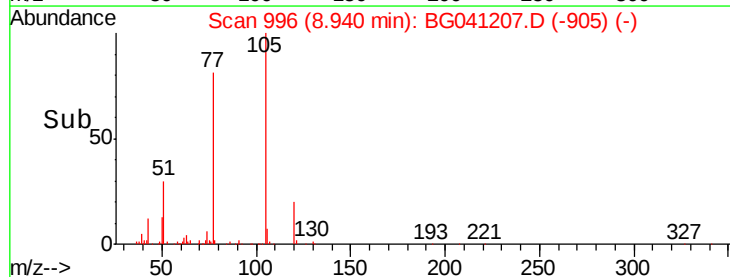
Abundance

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

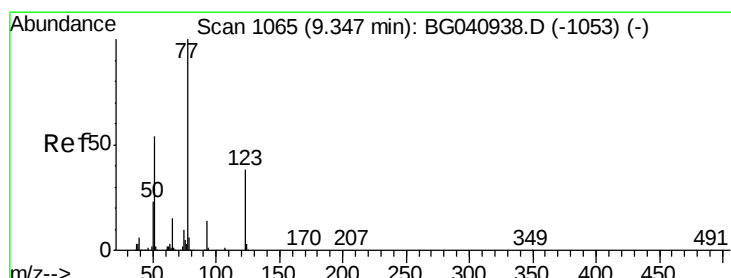
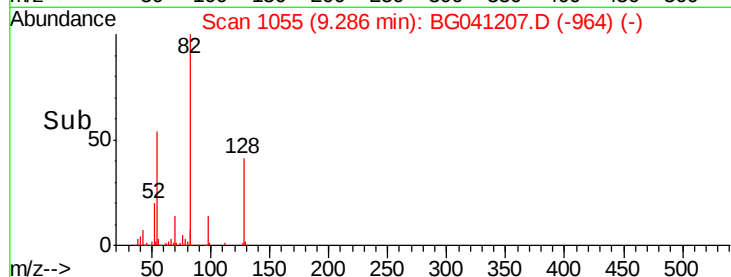
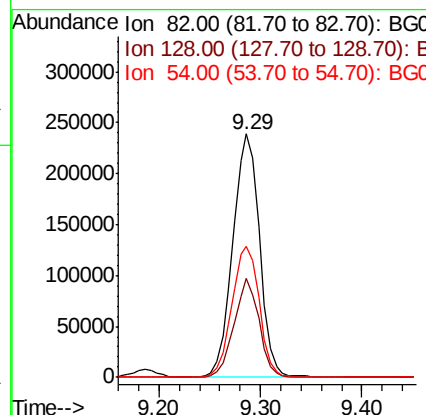
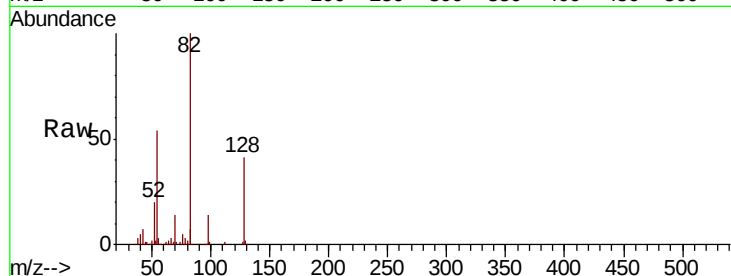




#23
 Nitrobenzene-d5
 Concen: 108.058 ng
 RT: 9.29 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

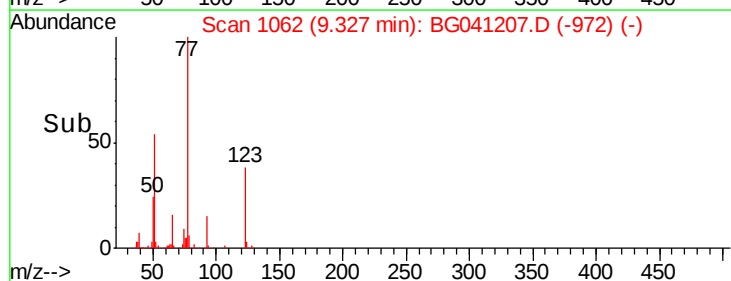
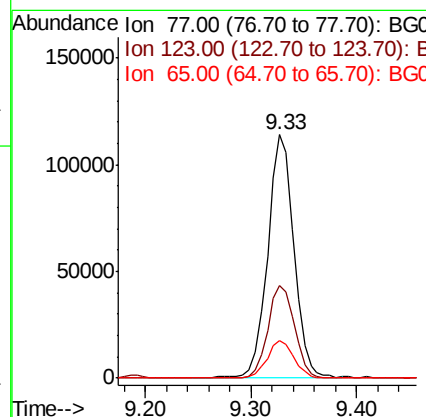
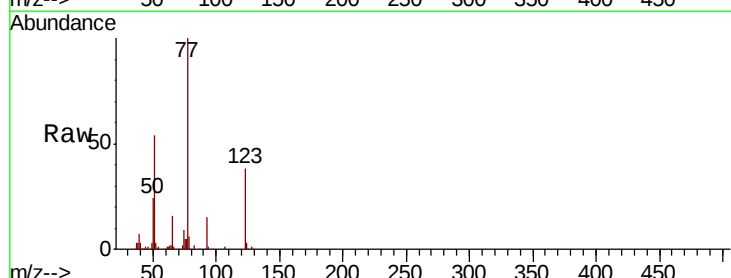
Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

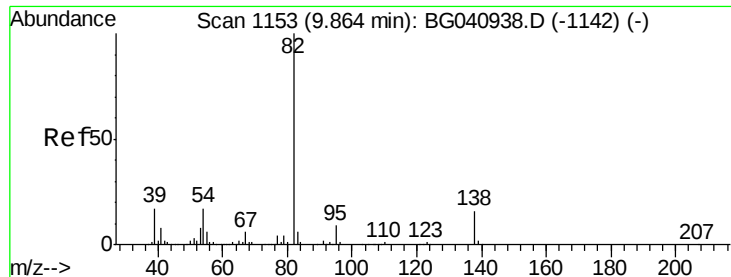
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.6	30.5	45.7
54	54.0	44.6	66.8



#24
 Nitrobenzene
 Concen: 47.579 ng
 RT: 9.33 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.8	30.6	46.0
65	15.7	12.3	18.5

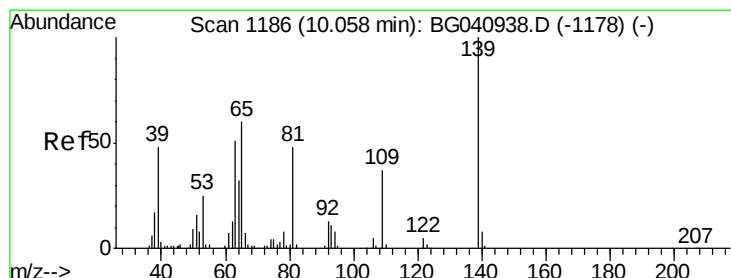
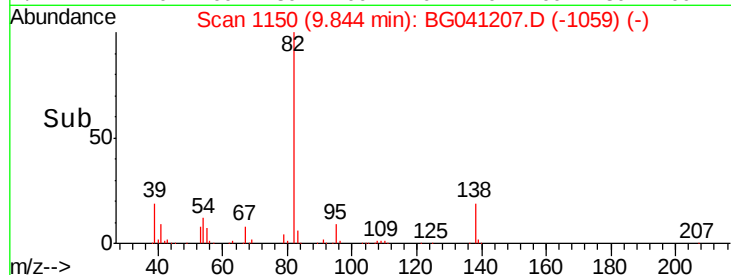
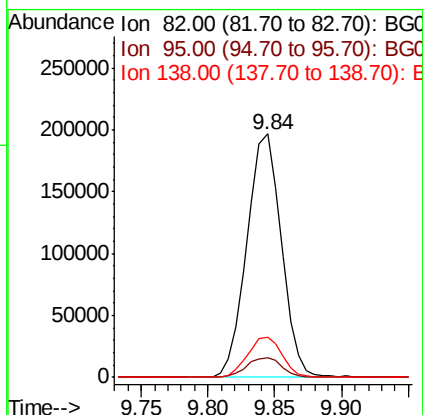
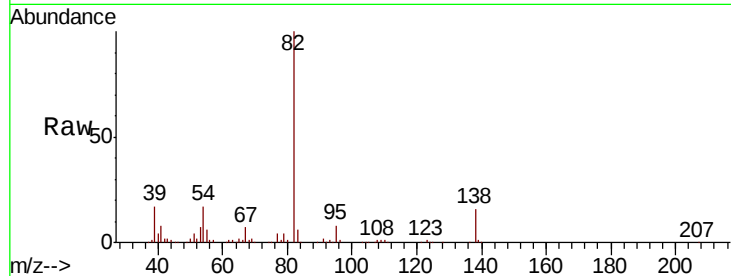




#25
Isophorone
Concen: 45.565 ng
RT: 9.84 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

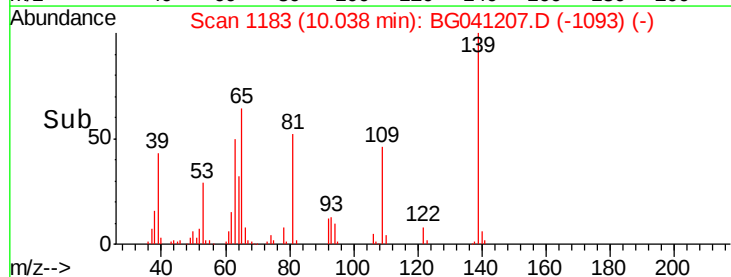
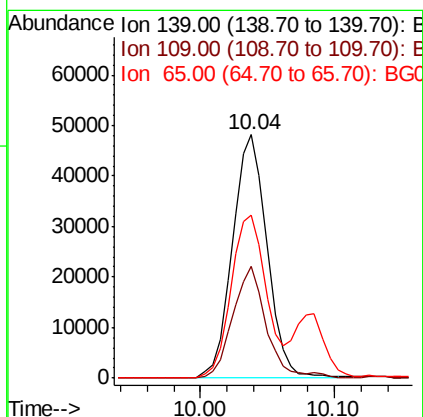
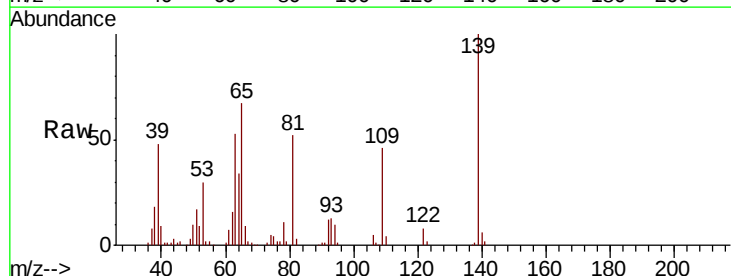
Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion: 82 Resp: 351088
Ion Ratio Lower Upper
82 100
95 7.9 7.0 10.4
138 16.5 12.6 19.0



#26
2-Nitrophenol
Concen: 50.826 ng
RT: 10.04 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion: 139 Resp: 86454
Ion Ratio Lower Upper
139 100
109 45.8 29.8 44.6#
65 66.7 47.8 71.6

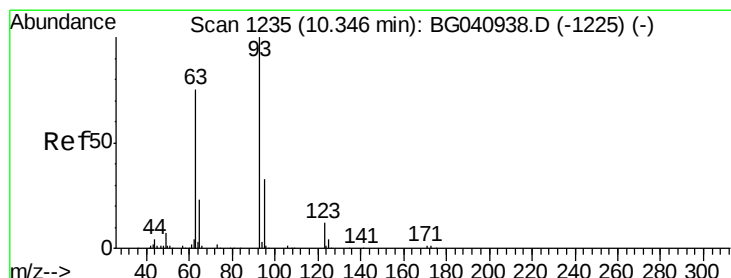
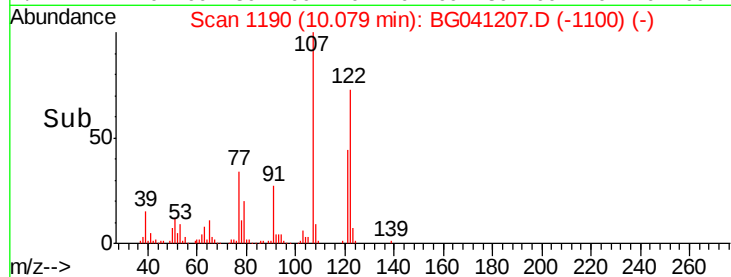
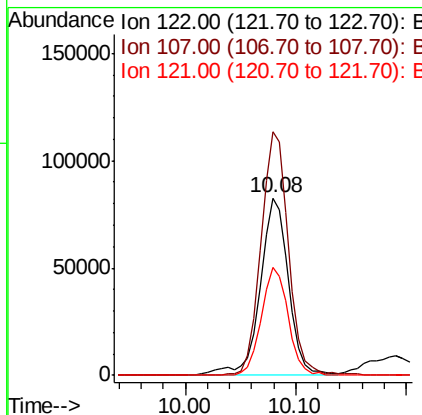
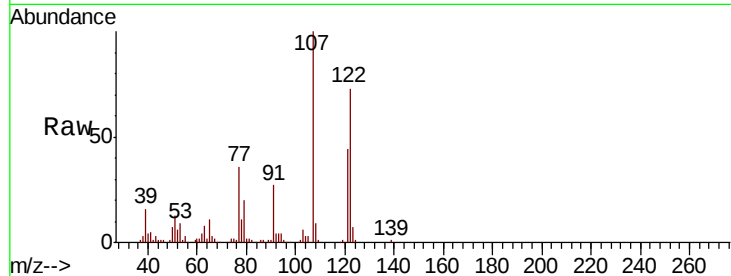




#27
 2,4-Dimethylphenol
 Concen: 52.867 ng
 RT: 10.08 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

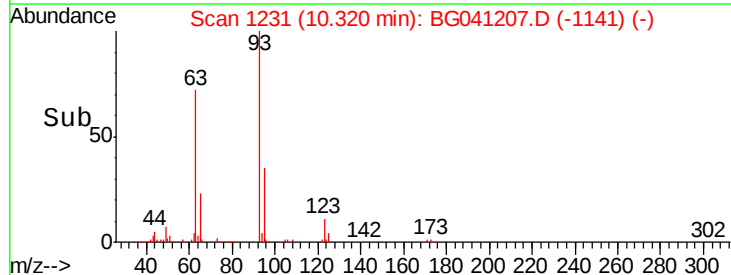
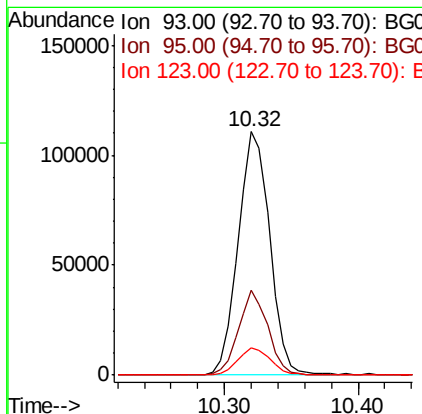
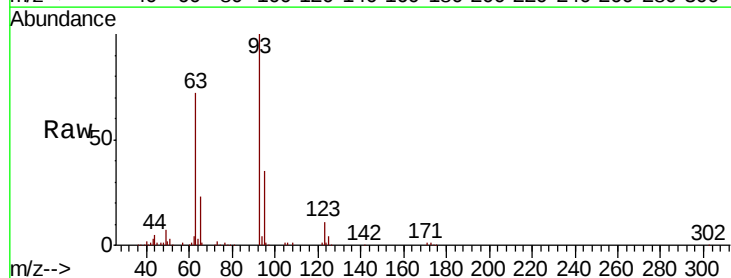
Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

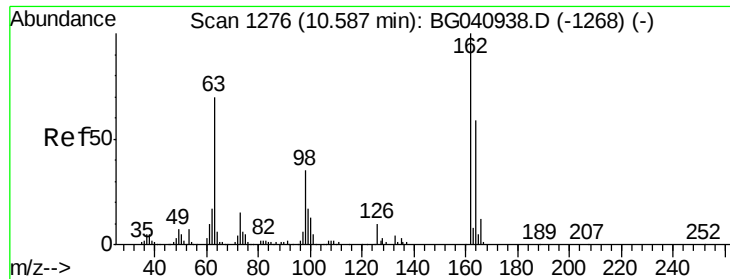
Tgt Ion	Ratio	Lower	Upper
122	100		
107	137.5	105.9	158.9
121	60.8	46.2	69.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.585 ng
 RT: 10.32 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.0	26.2	39.2
123	11.0	9.5	14.3

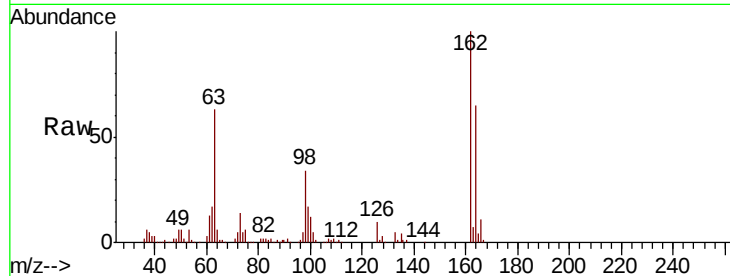




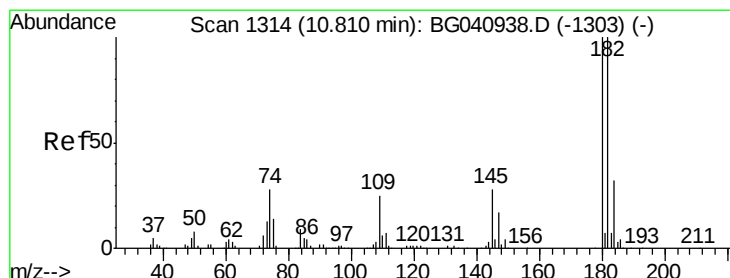
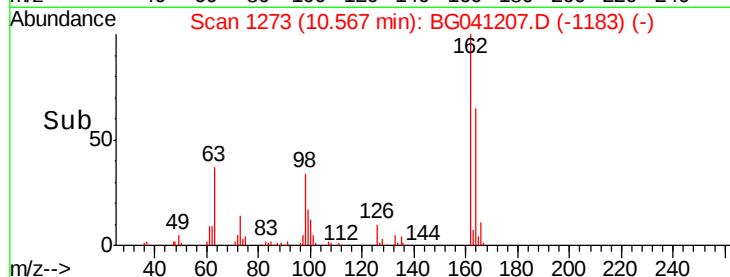
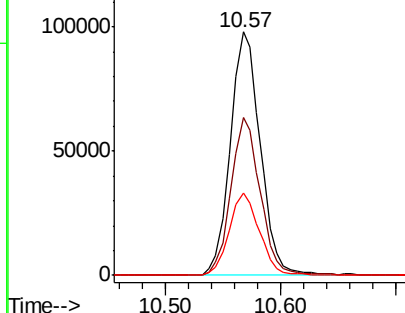
#29
2,4-Dichlorophenol
Concen: 49.318 ng
RT: 10.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.9	39.4	79.4
98	33.6	15.3	55.3

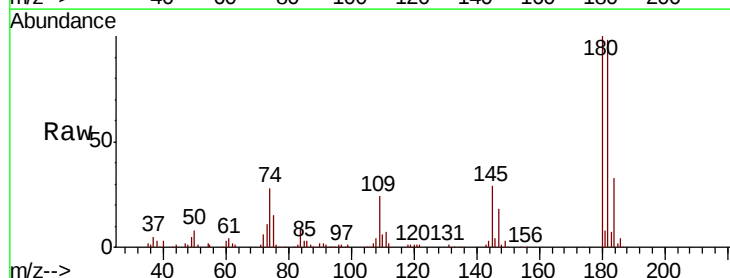


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

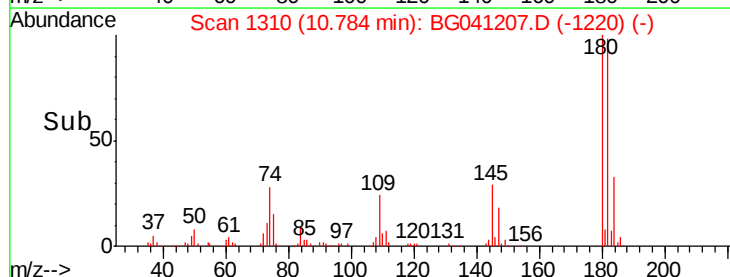
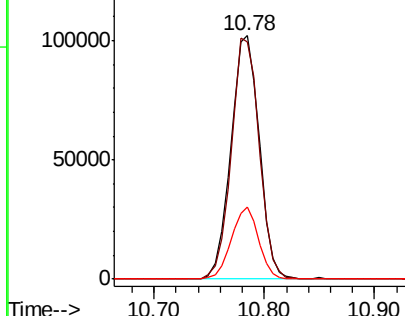


#30
1,2,4-Trichlorobenzene
Concen: 45.441 ng
RT: 10.78 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	79.7	119.5
145	29.4	22.6	34.0



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

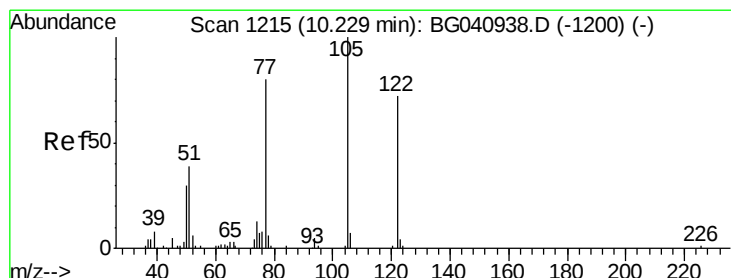
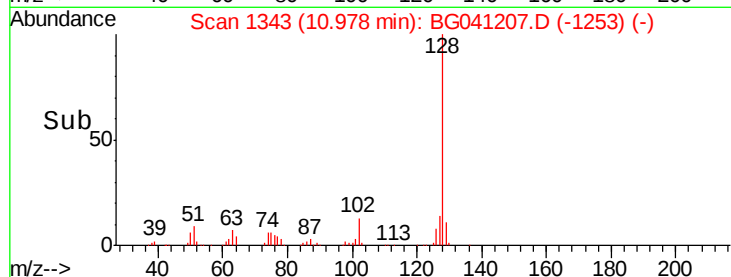
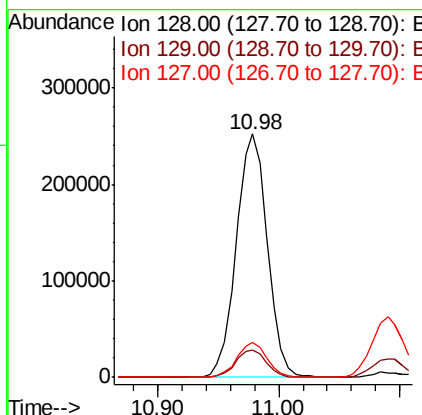
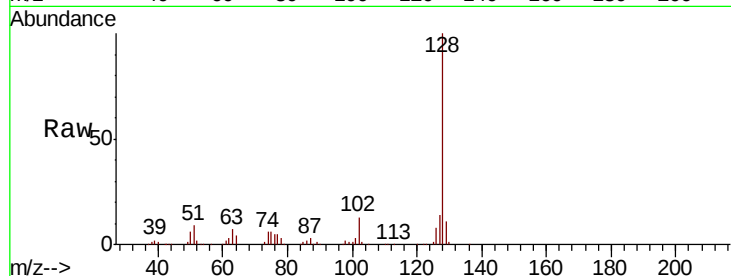




#31
Naphthalene
Concen: 46.694 ng
RT: 10.98 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

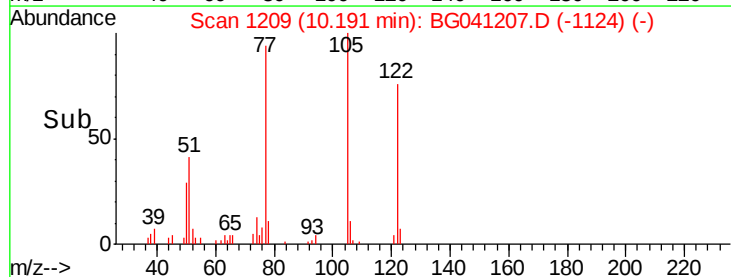
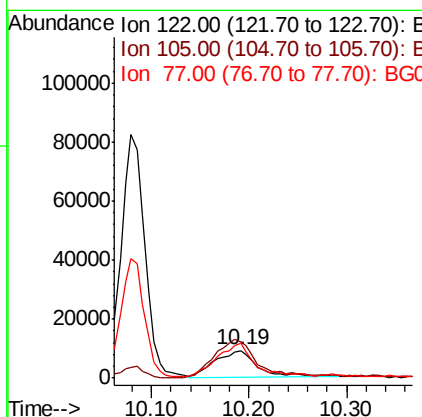
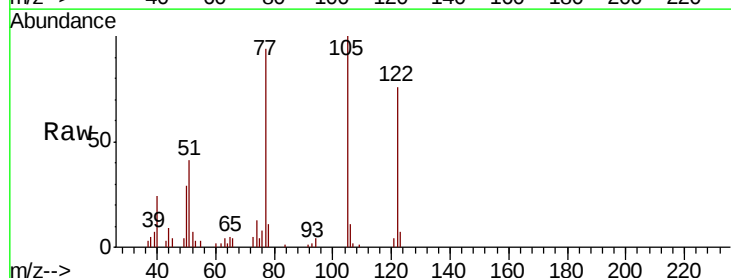
Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

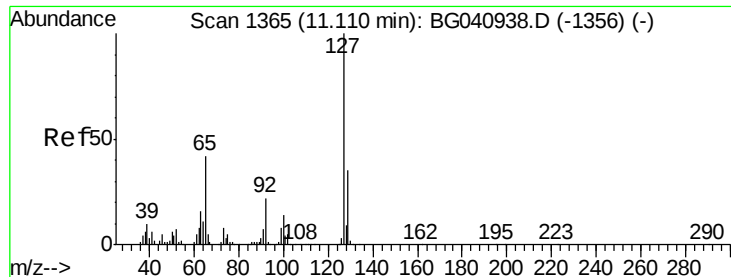
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.5	12.7
127	14.4	11.4	17.2



#32
Benzoic acid
Concen: 18.672 ng
RT: 10.19 min Scan# 1209
Delta R.T. -0.03 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.8	114.8	154.8
77	124.5	89.9	129.9

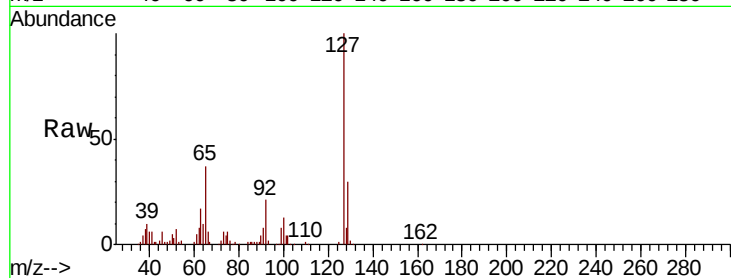




#33
4-Chloroaniline
Concen: 27.500 ng
RT: 11.09 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion:	127	Resp:	123139
Ion	Ratio	Lower	Upper
127	100		
129	30.0	27.7	41.5
65	36.7	33.2	49.8
92	21.1	17.2	25.8



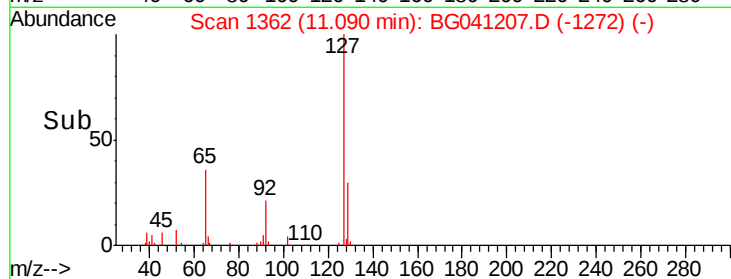
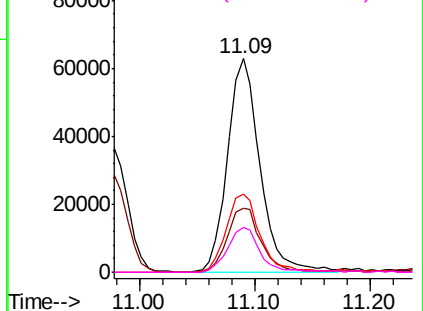
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

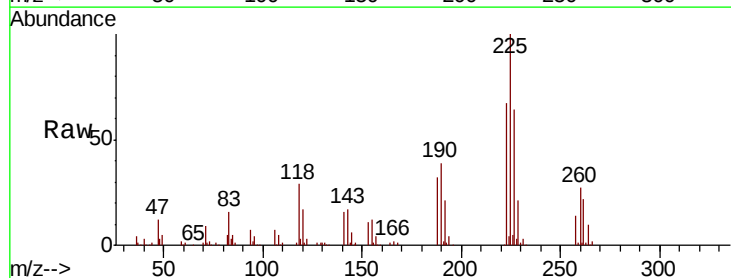
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 41.550 ng
RT: 11.24 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:	225	Resp:	129023
Ion	Ratio	Lower	Upper
225	100		
223	66.9	48.8	73.2
227	67.0	51.4	77.0

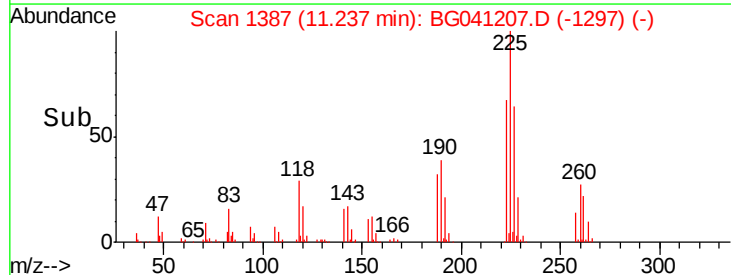
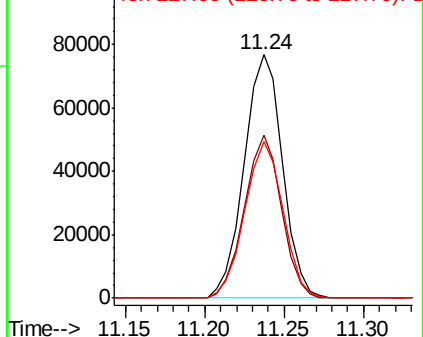


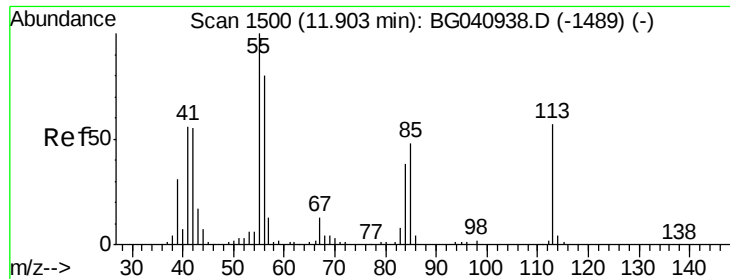
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 27.895 ng

RT: 11.89 min Scan# 1498

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

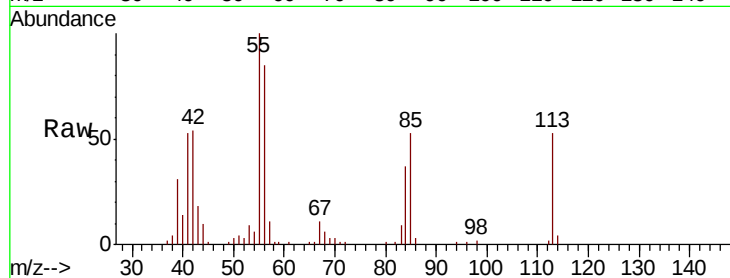
Tgt Ion:113 Resp: 32862

Ion Ratio Lower Upper

113 100

55 188.8 155.9 195.9

56 160.8 119.9 159.9#

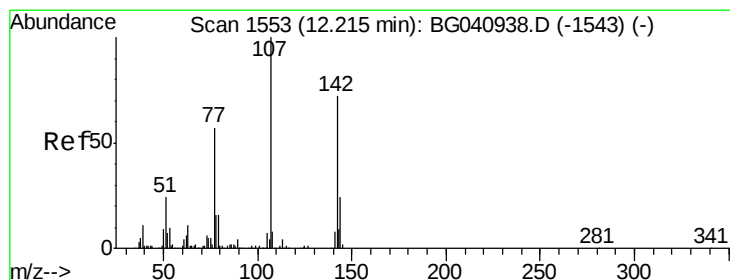
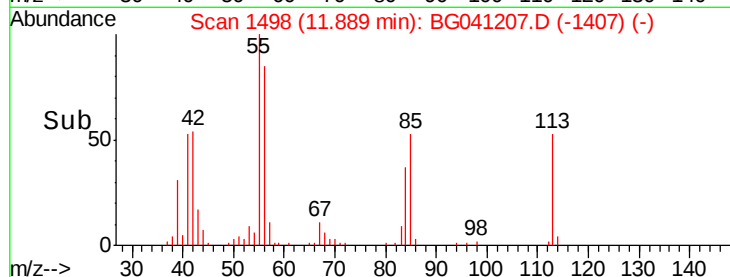
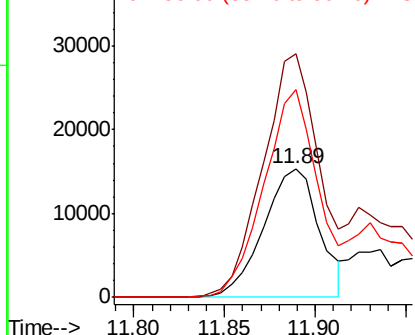


Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 48.191 ng

RT: 12.19 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

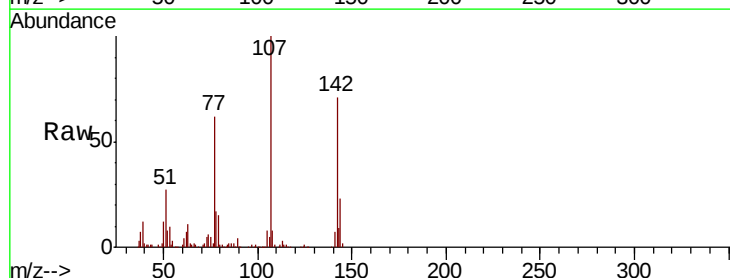
Tgt Ion:107 Resp: 196344

Ion Ratio Lower Upper

107 100

144 23.5 19.4 29.0

142 70.8 57.3 85.9

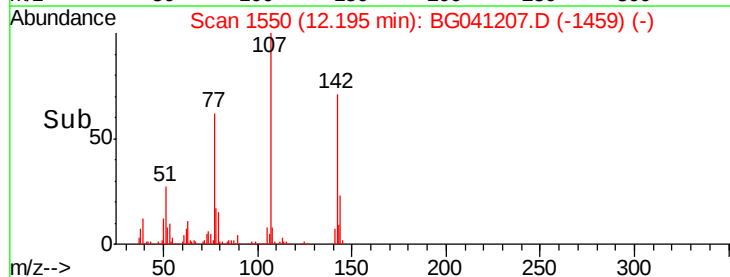
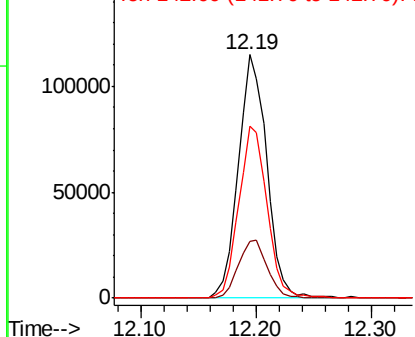


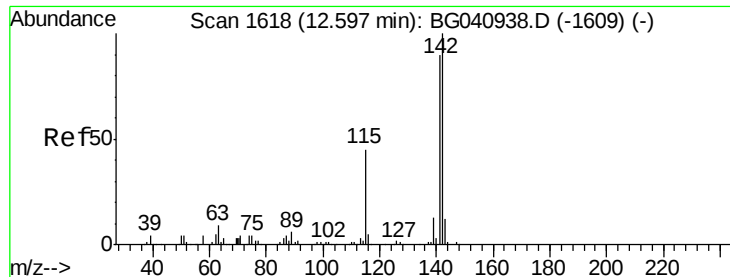
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

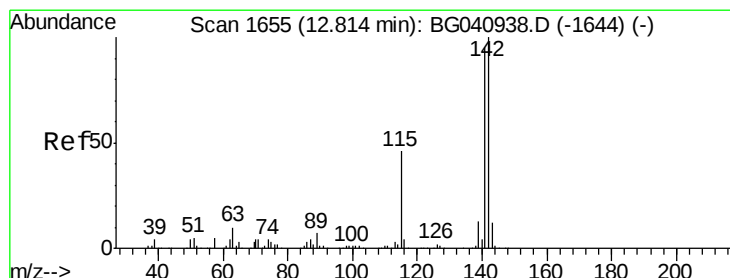
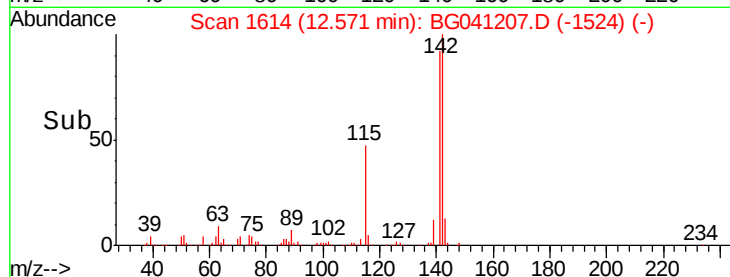
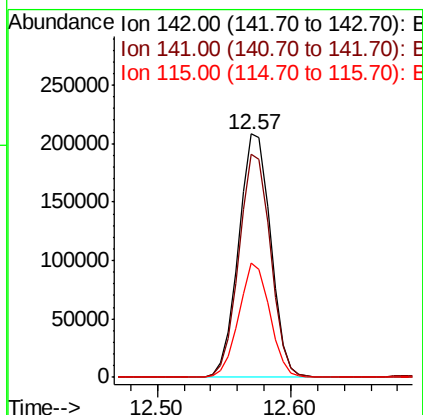
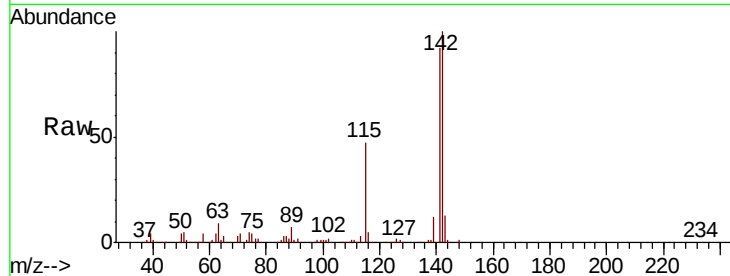




#37
 2-Methylnaphthalene
 Concen: 46.646 ng
 RT: 12.57 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

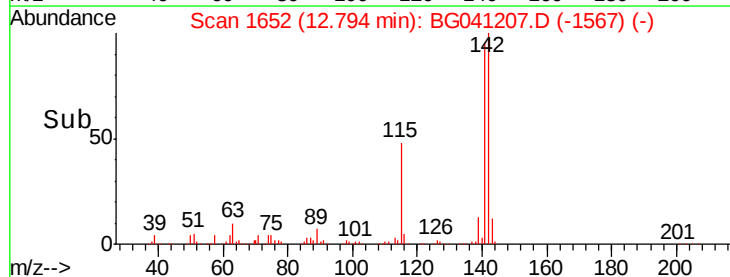
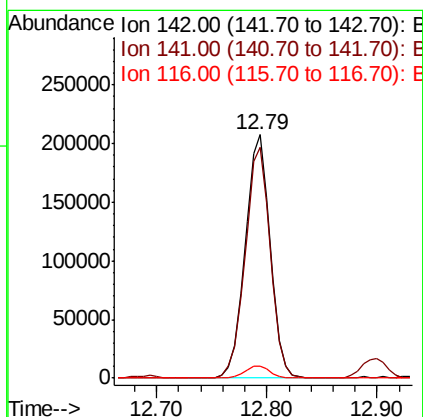
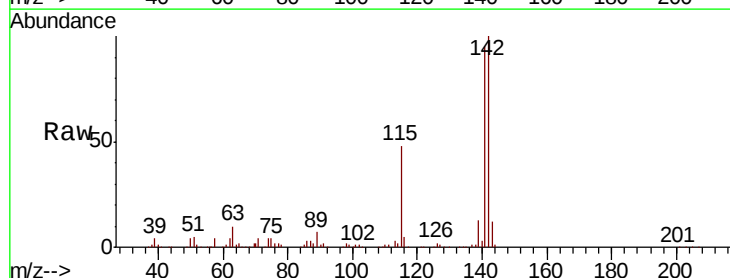
Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

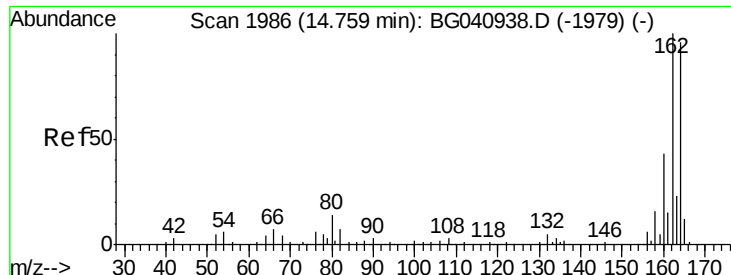
Tgt Ion:142 Resp: 346702
 Ion Ratio Lower Upper
 142 100
 141 91.9 72.2 108.4
 115 46.8 36.2 54.4



#38
 1-Methylnaphthalene
 Concen: 46.899 ng
 RT: 12.79 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion:142 Resp: 328484
 Ion Ratio Lower Upper
 142 100
 141 95.0 75.7 113.5
 116 5.1 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

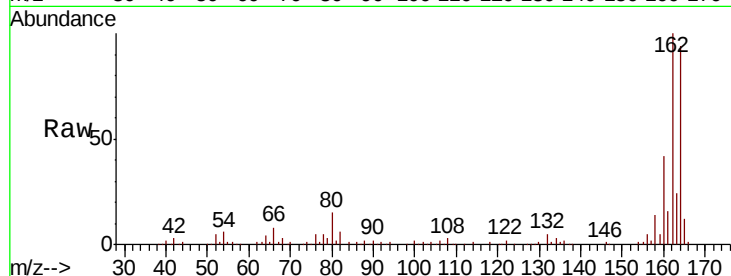
Tgt Ion:164 Resp: 134537

Ion Ratio Lower Upper

164 100

162 106.7 83.0 124.4

160 44.9 35.6 53.4

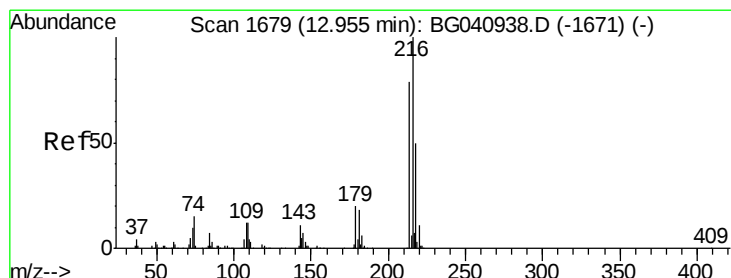
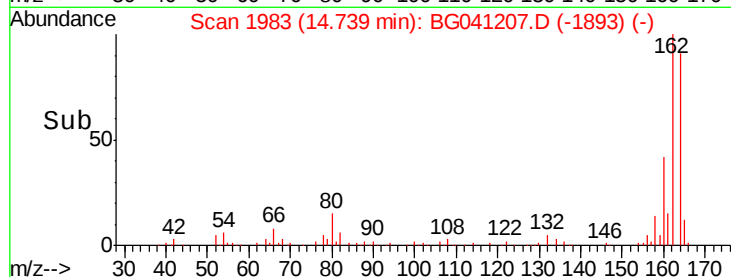
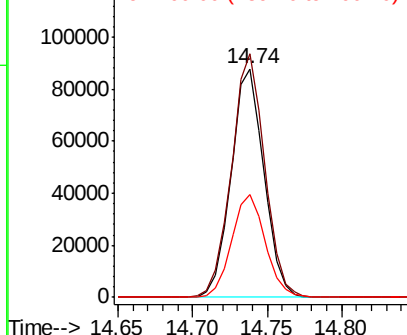


Abundance

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: 48.057 ng

RT: 12.93 min Scan# 1676

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:216 Resp: 260593

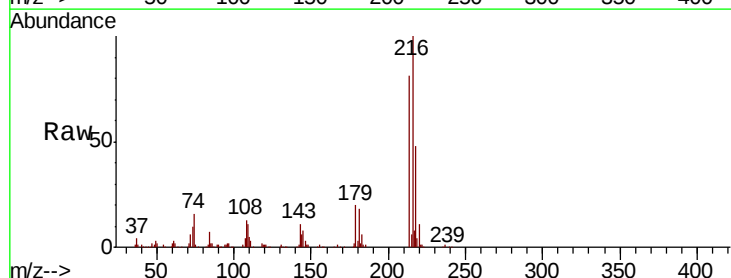
Ion Ratio Lower Upper

216 100

214 78.9 63.4 95.2

179 19.0 15.2 22.8

108 16.4 11.4 17.2



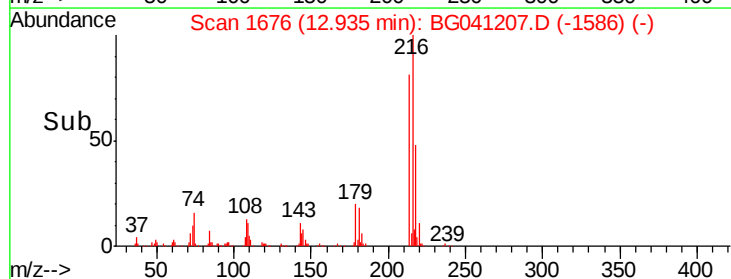
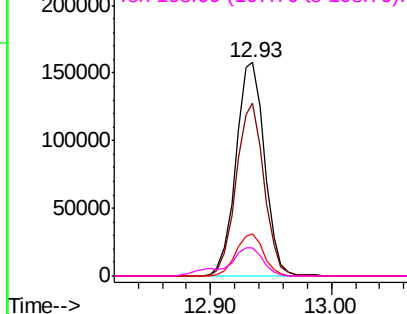
Abundance

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: 95.840 ng

RT: 12.90 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

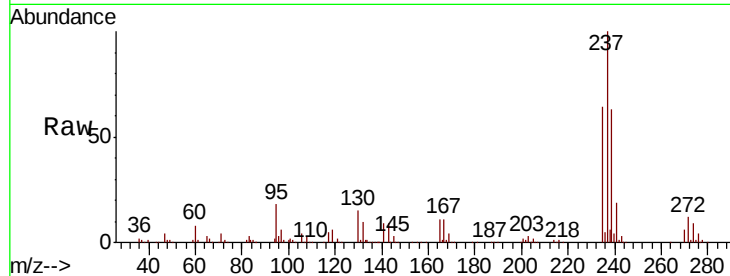
Tgt Ion: 237 Resp: 284660

Ion Ratio Lower Upper

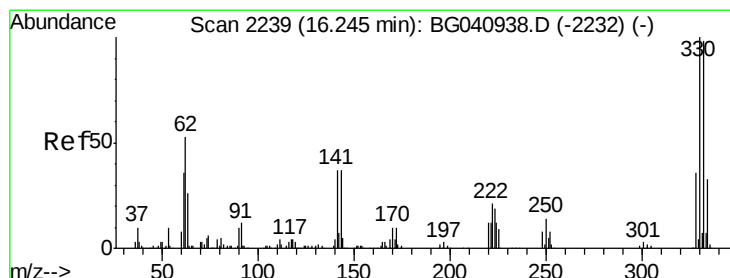
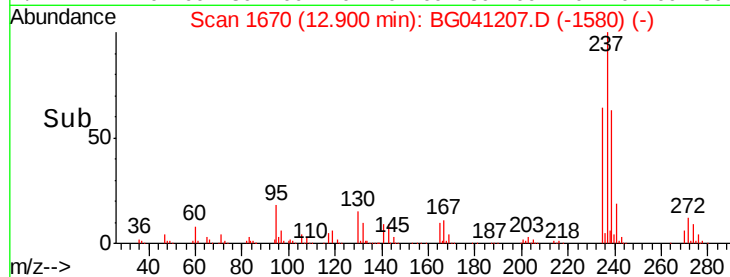
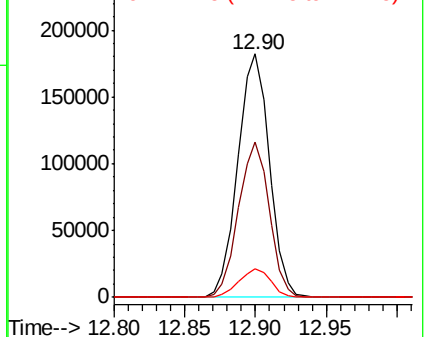
237 100

235 63.7 45.5 85.5

272 11.6 0.0 32.9



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: 174.962 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

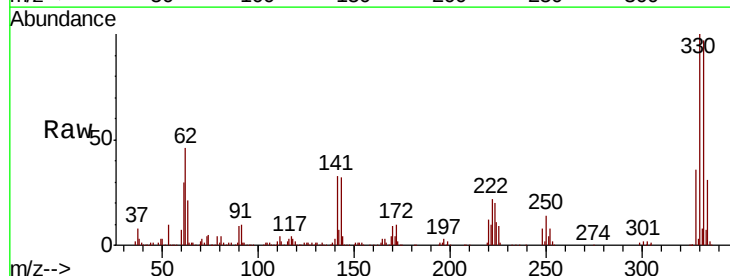
Tgt Ion: 330 Resp: 349450

Ion Ratio Lower Upper

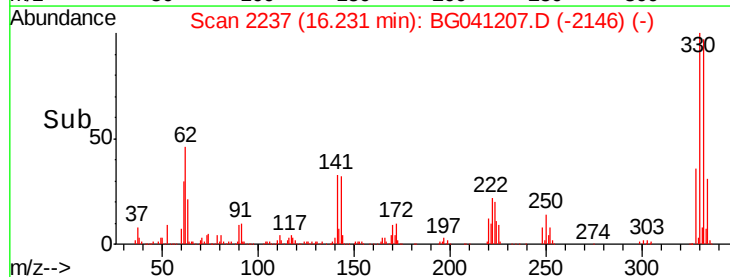
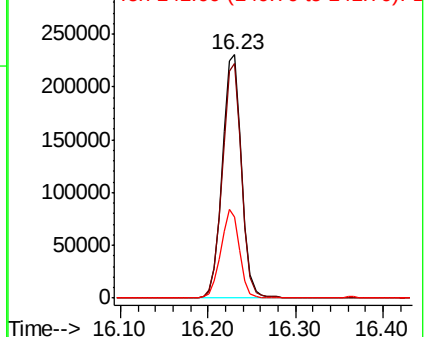
330 100

332 96.4 78.5 117.7

141 35.5 28.7 43.1



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

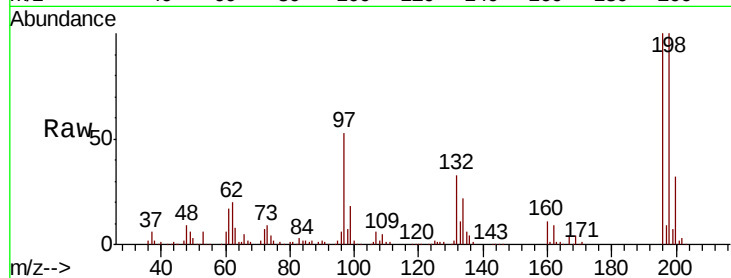




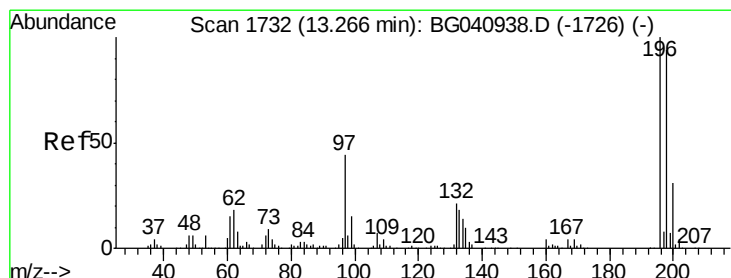
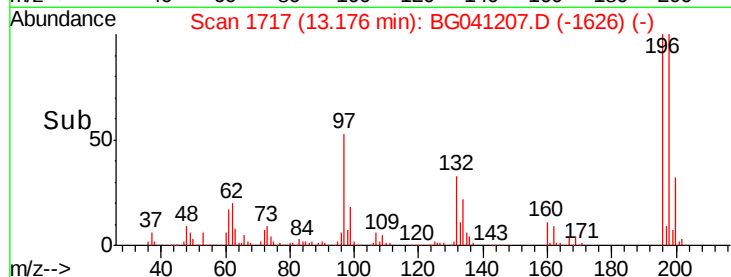
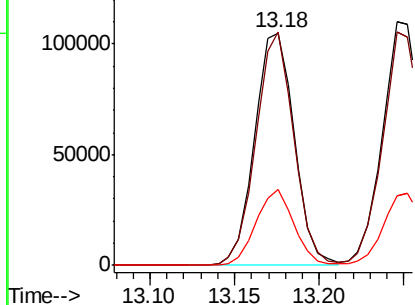
#43
 2,4,6-Trichlorophenol
 Concen: 48.810 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

Tgt Ion:196 Resp: 171222
 Ion Ratio Lower Upper
 196 100
 198 100.4 73.8 110.6
 200 32.5 24.1 36.1

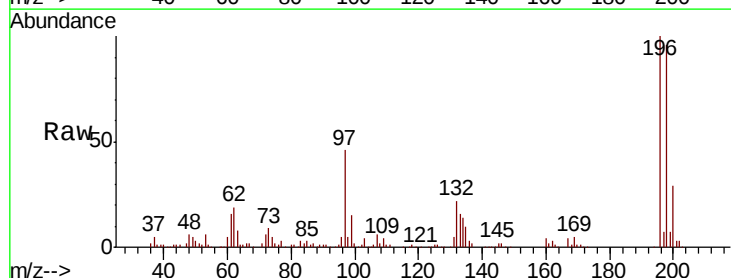


Abundance Ion 196.00 (195.70 to 196.70): E
 150000
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

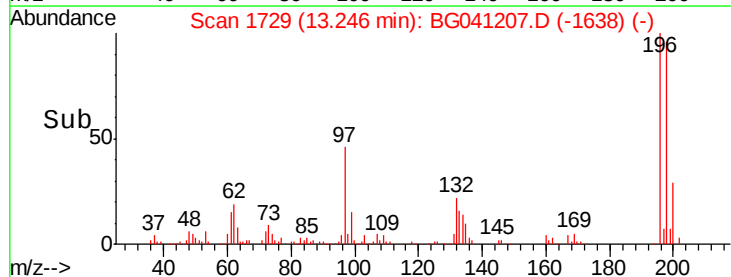
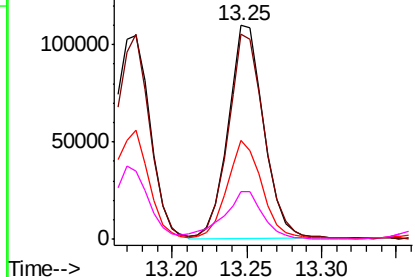


#44
 2,4,5-Trichlorophenol
 Concen: 49.205 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion:196 Resp: 182037
 Ion Ratio Lower Upper
 196 100
 198 95.8 75.1 112.7
 97 46.4 35.6 53.4
 132 22.0 16.7 25.1



Abundance Ion 196.00 (195.70 to 196.70): E
 150000
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

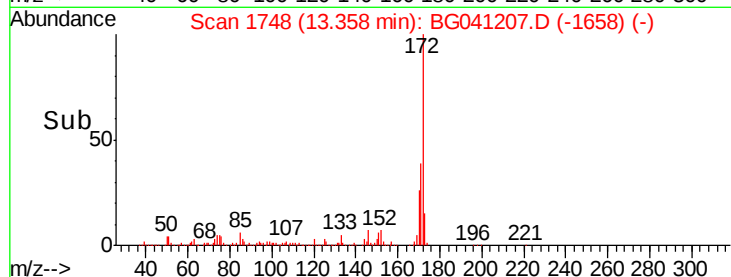
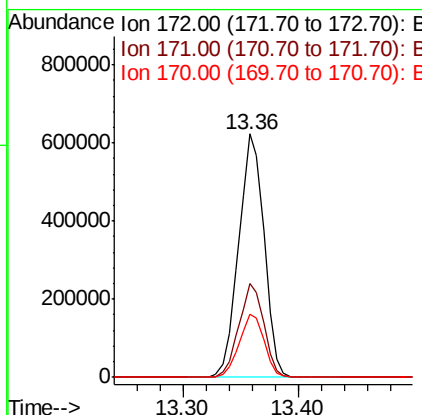
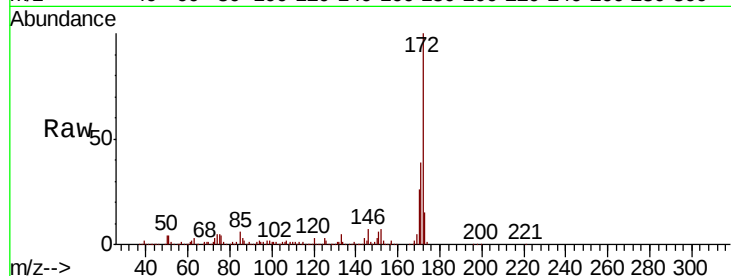




#45
 2-Fluorobiphenyl
 Concen: 101.518 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

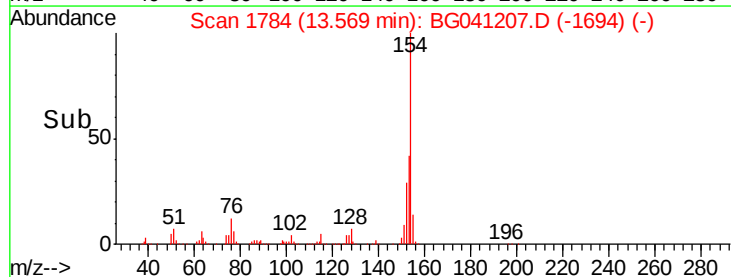
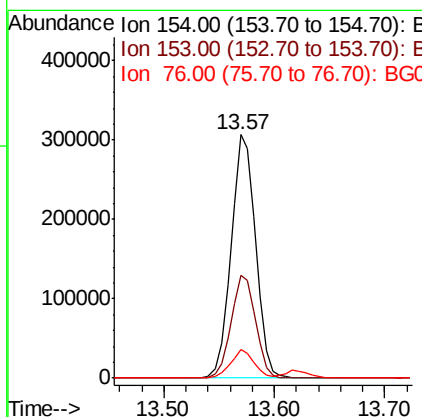
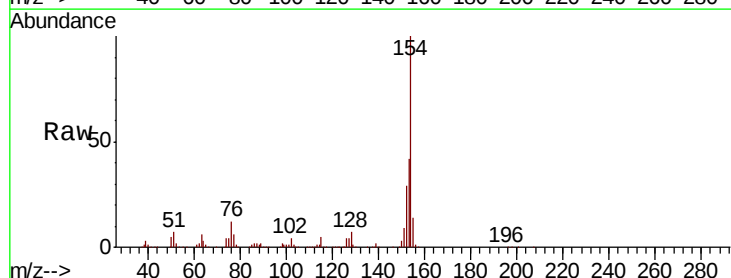
Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

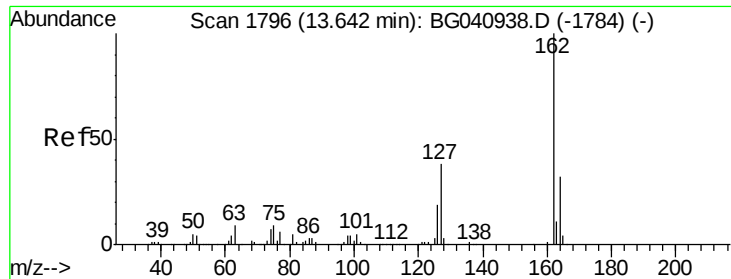
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.1	46.7
170	26.0	20.5	30.7



#46
 1,1'-Biphenyl
 Concen: 47.780 ng
 RT: 13.57 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	23.3	63.3
76	11.6	0.0	31.1





#47

2-Chloronaphthalene

Concen: 46.595 ng

RT: 13.62 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

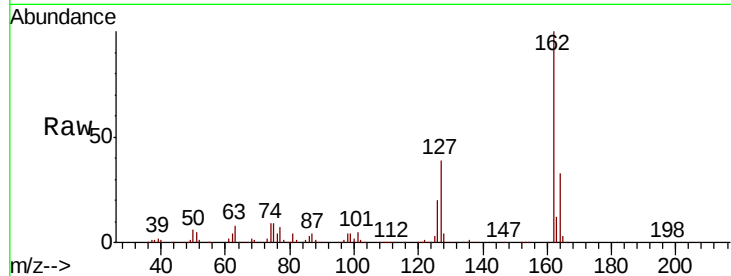
Tgt Ion: 162 Resp: 398360

Ion Ratio Lower Upper

162 100

127 38.9 30.5 45.7

164 32.8 25.8 38.6

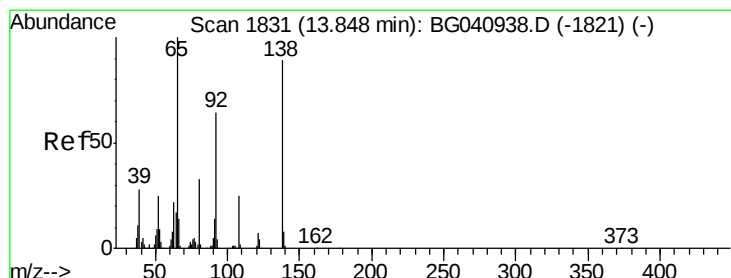
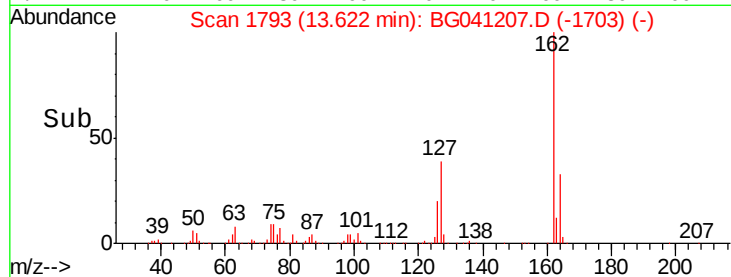
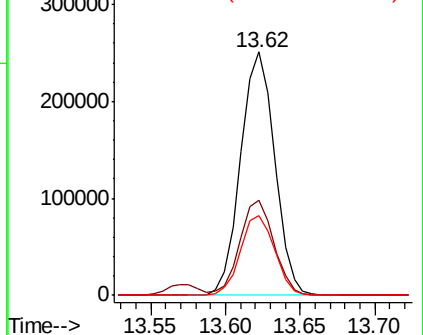


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 47.367 ng

RT: 13.83 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

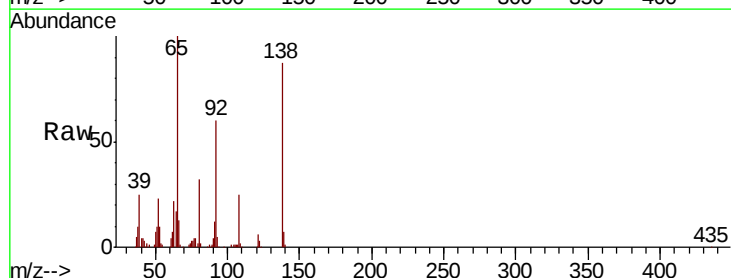
Tgt Ion: 65 Resp: 145277

Ion Ratio Lower Upper

65 100

92 60.2 51.0 76.6

138 87.5 71.2 106.8

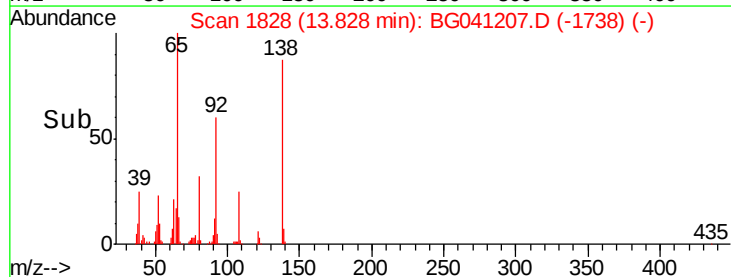
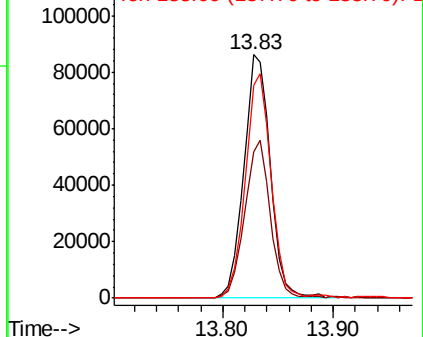


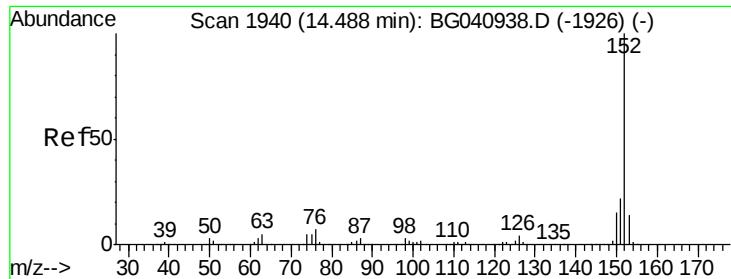
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 47.448 ng

RT: 14.47 min Scan# 1937

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

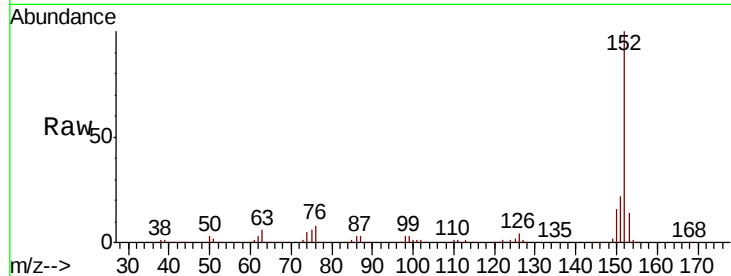
Tgt Ion:152 Resp: 610531

Ion Ratio Lower Upper

152 100

151 22.5 17.4 26.0

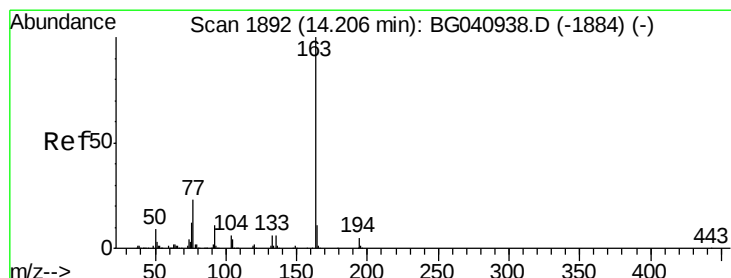
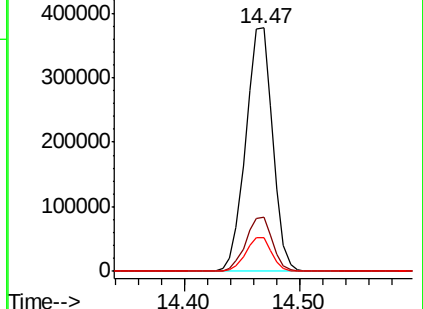
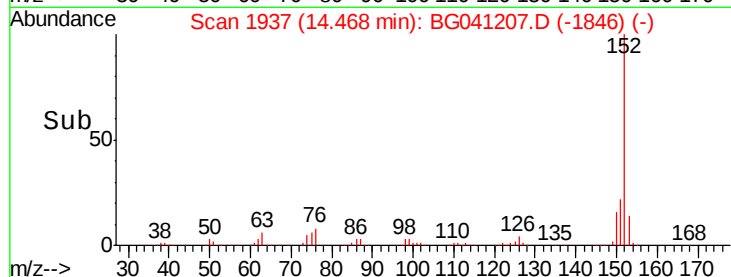
153 13.6 11.0 16.4



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: 55.164 ng

RT: 14.19 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

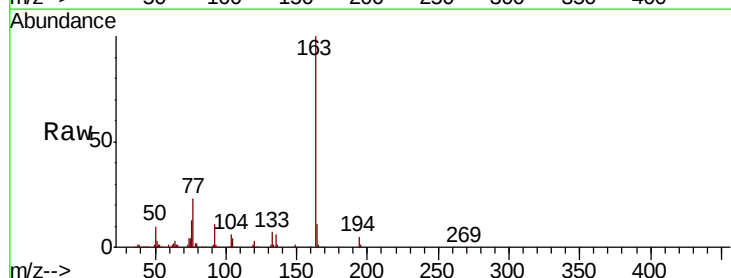
Tgt Ion:163 Resp: 628243

Ion Ratio Lower Upper

163 100

194 4.9 3.8 5.8

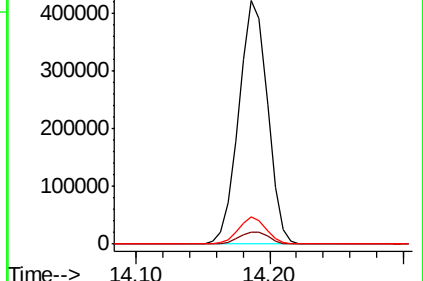
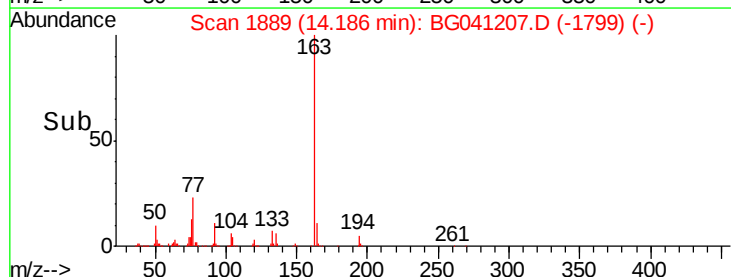
164 11.2 8.7 13.1



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

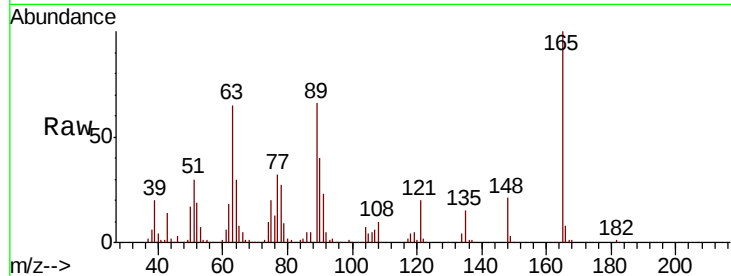




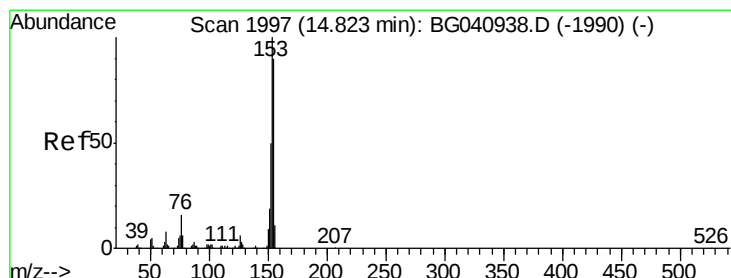
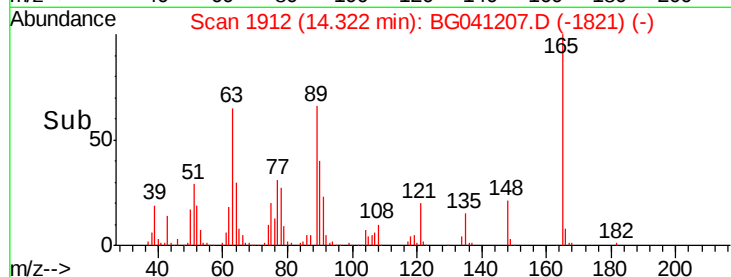
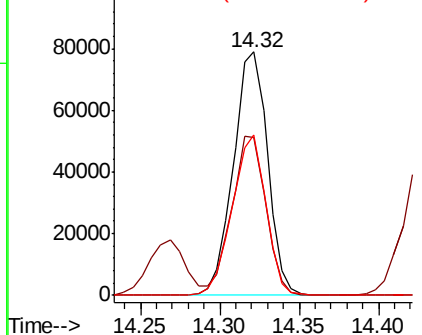
#51
2,6-Dinitrotoluene
Concen: 48.012 ng
RT: 14.32 min Scan# 1912
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion:165 Resp: 117892
Ion Ratio Lower Upper
165 100
63 65.0 53.6 80.4
89 65.8 50.4 75.6

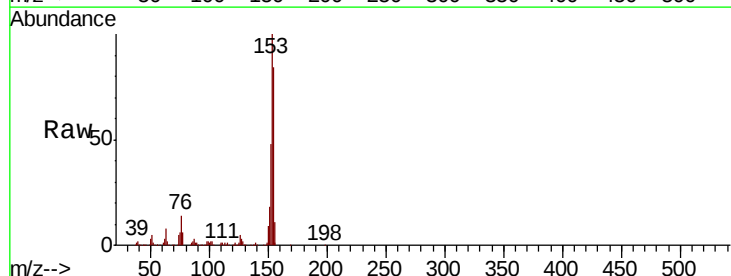


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

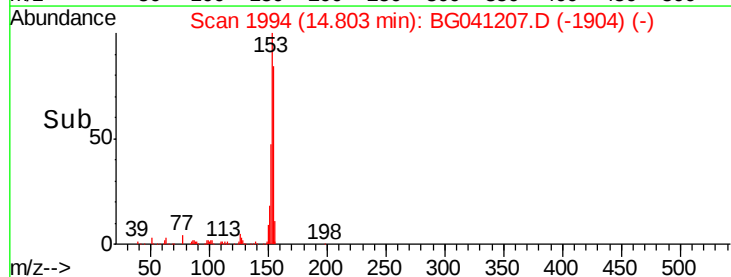
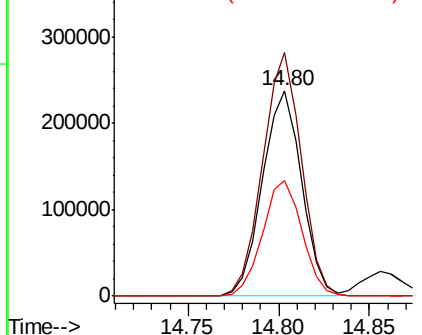


#52
Acenaphthene
Concen: 45.820 ng
RT: 14.80 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:154 Resp: 357164
Ion Ratio Lower Upper
154 100
153 118.7 88.6 133.0
152 56.5 44.2 66.4



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: 40.110 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

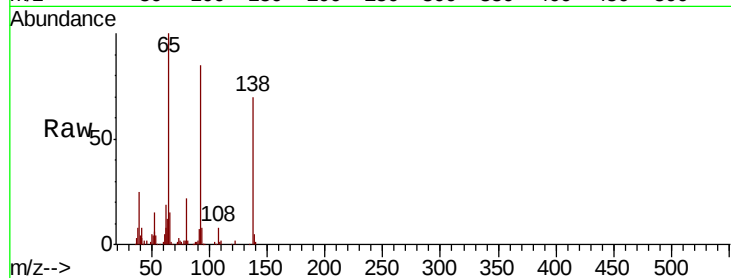
Tgt Ion:138 Resp: 98485

Ion Ratio Lower Upper

138 100

108 11.1 8.5 12.7

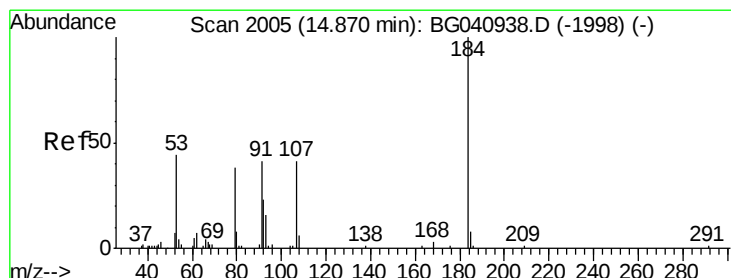
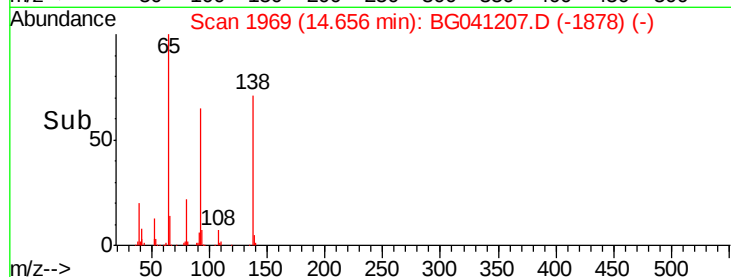
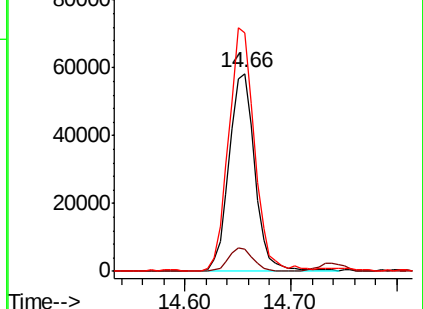
92 120.5 99.0 148.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 65.306 ng

RT: 14.86 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

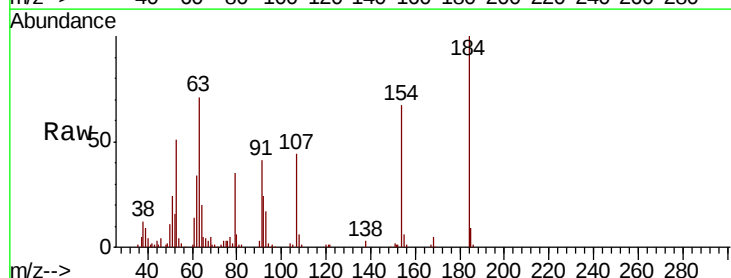
Tgt Ion:184 Resp: 76493

Ion Ratio Lower Upper

184 100

63 71.0 49.8 74.6

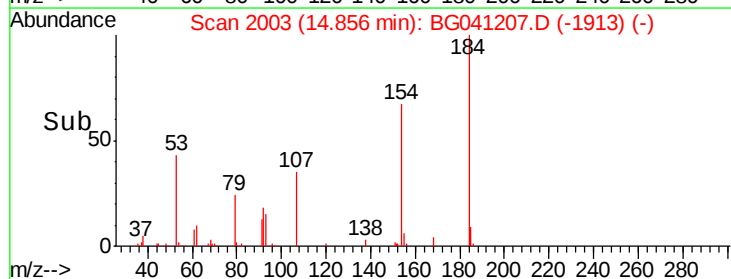
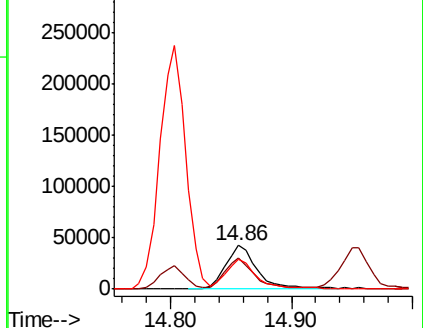
154 67.3 52.2 78.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 47.571 ng

RT: 15.13 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

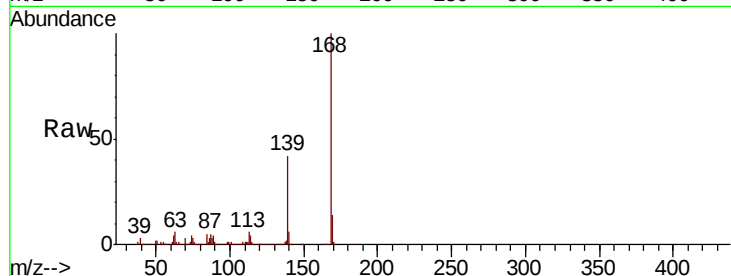
Tgt Ion:168 Resp: 623947

Ion Ratio Lower Upper

168 100

139 42.0 32.8 49.2

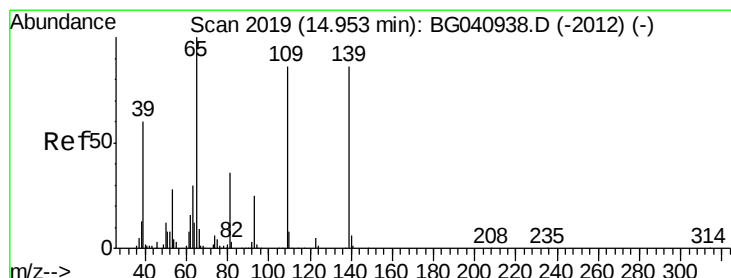
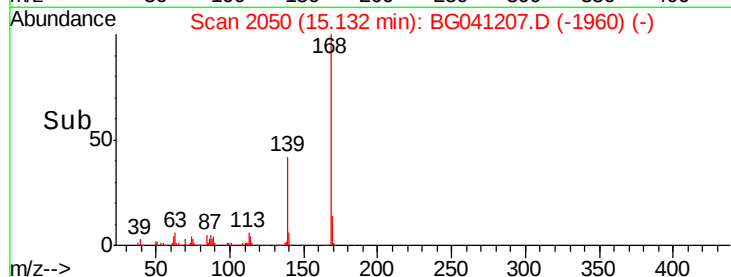
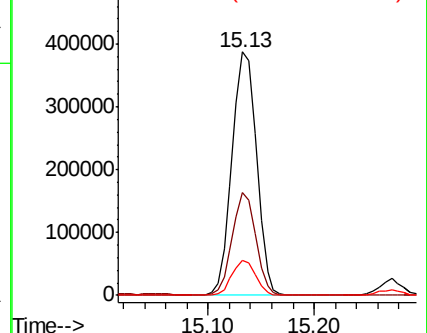
169 14.2 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 100.089 ng

RT: 14.96 min Scan# 2020

Delta R.T. 0.02 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

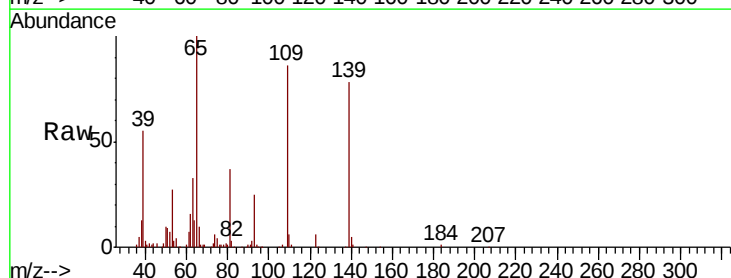
Tgt Ion:139 Resp: 168568

Ion Ratio Lower Upper

139 100

109 110.3 79.6 119.6

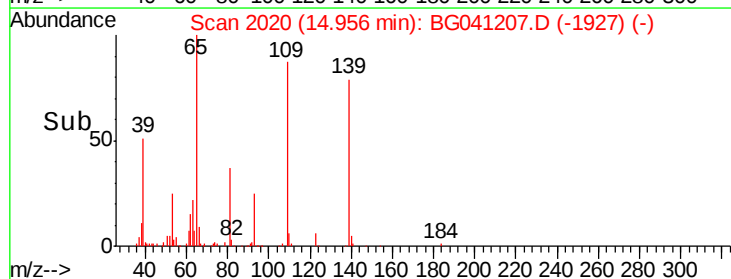
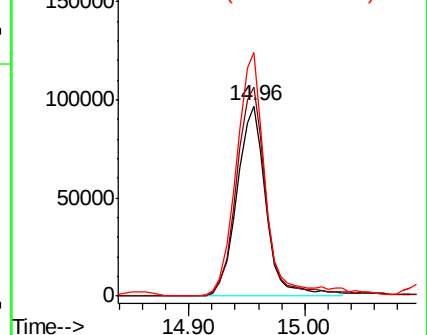
65 128.0 96.9 136.9

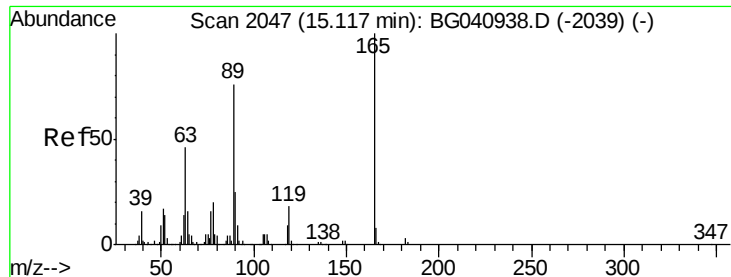


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

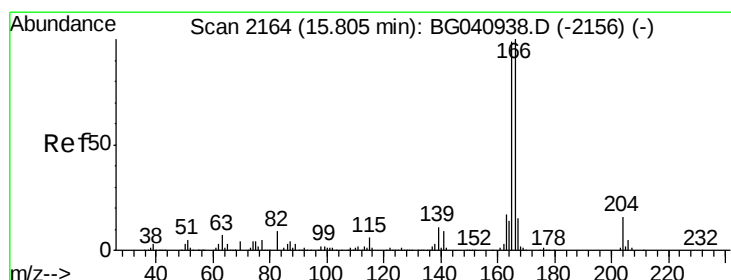
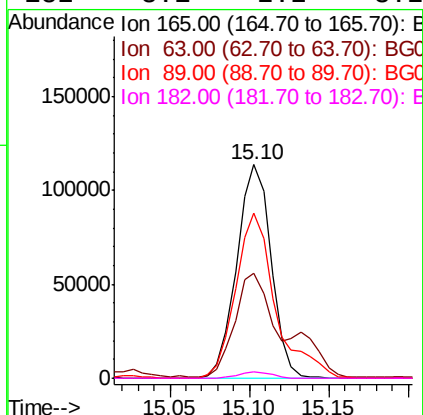
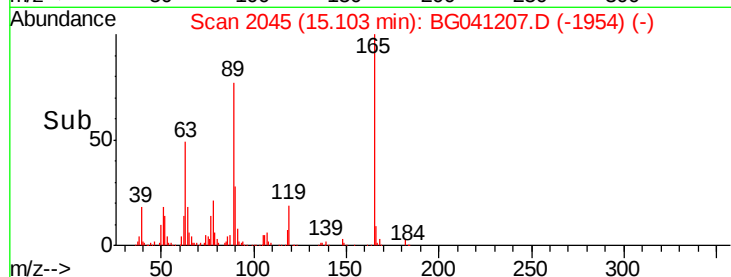
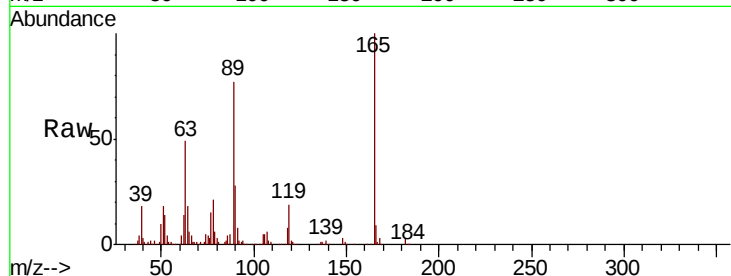




#57
 2,4-Dinitrotoluene
 Concen: 49.313 ng
 RT: 15.10 min Scan# 2045
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

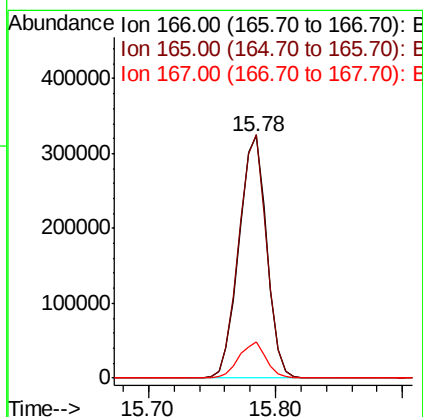
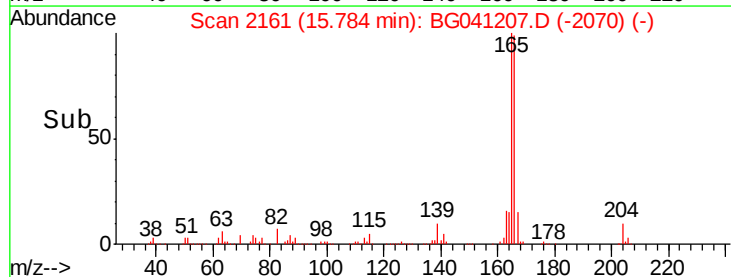
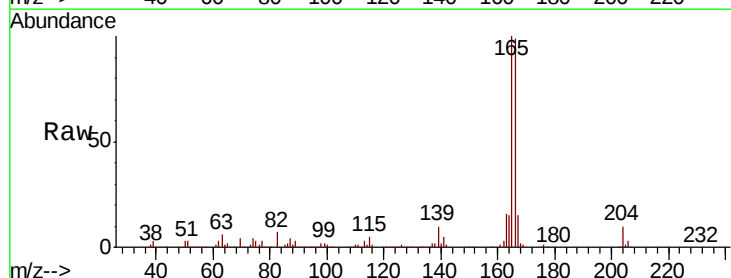
Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

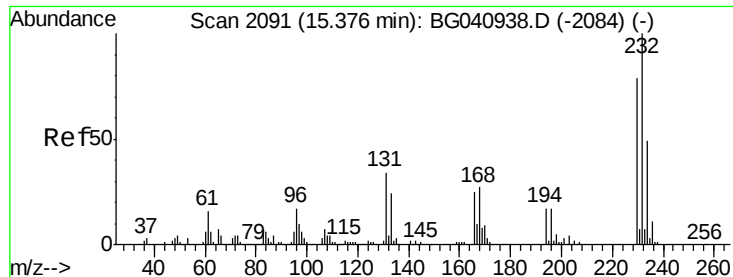
Tgt Ion:165 Resp: 171044
 Ion Ratio Lower Upper
 165 100
 63 49.1 37.3 55.9
 89 77.3 61.0 91.6
 182 3.1 2.2 3.2



#58
 Fluorene
 Concen: 46.769 ng
 RT: 15.78 min Scan# 2161
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion:166 Resp: 488524
 Ion Ratio Lower Upper
 166 100
 165 100.6 79.2 118.8
 167 15.2 11.8 17.6

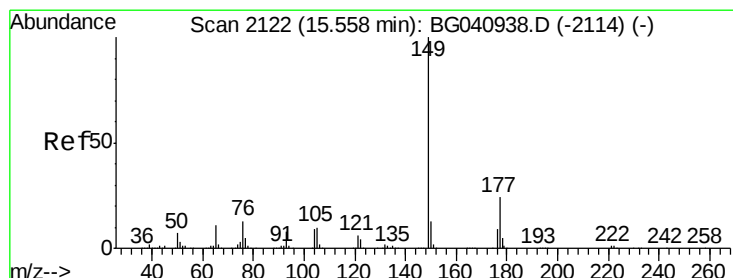
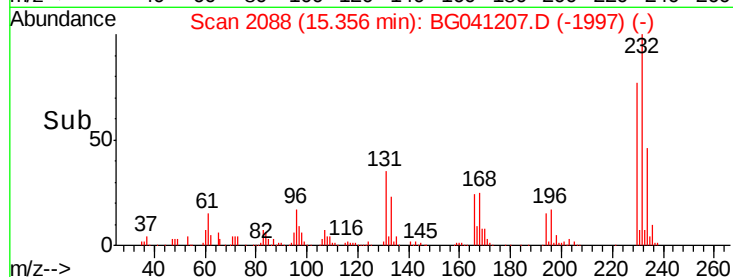
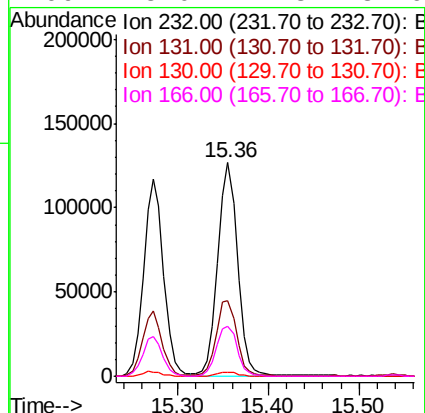
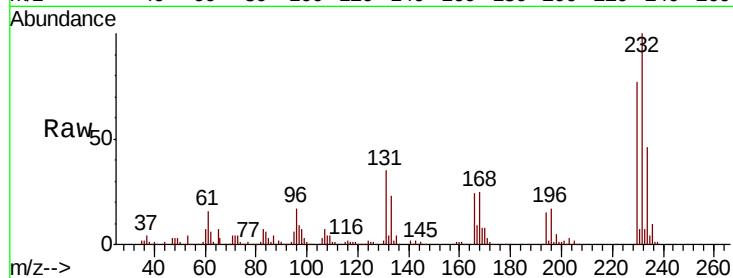




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 53.192 ng
 RT: 15.36 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

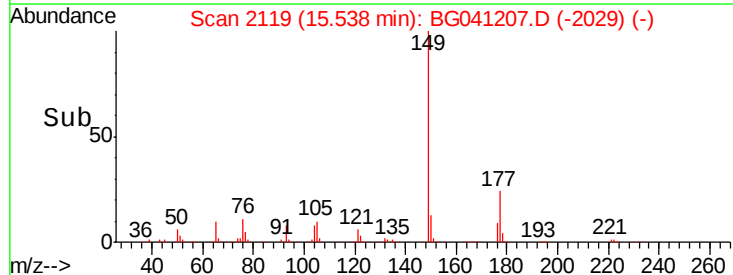
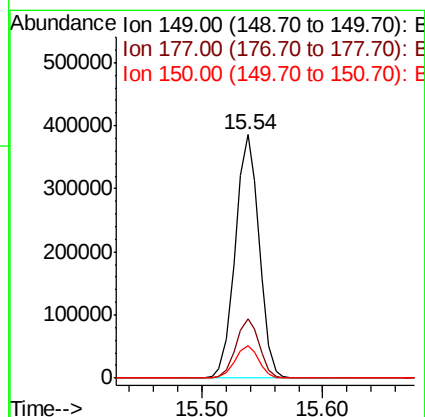
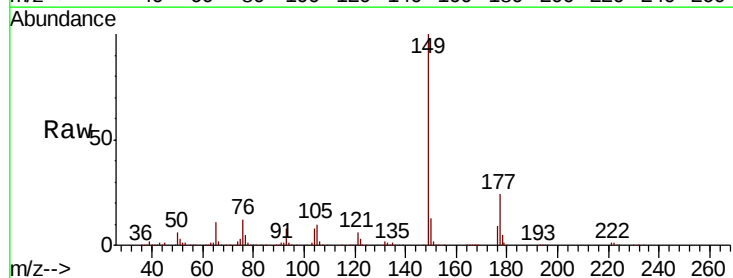
Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

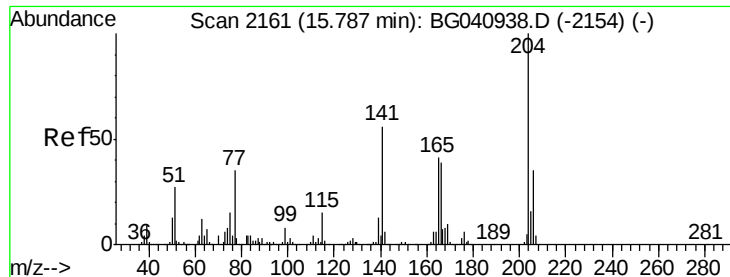
Tgt Ion:	232	Resp:	193392
Ion	Ratio	Lower	Upper
232	100		
131	36.0	30.3	45.5
130	2.2	1.8	2.8
166	25.0	21.3	31.9



#60
 Diethylphthalate
 Concen: 45.661 ng
 RT: 15.54 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion:	149	Resp:	530689
Ion	Ratio	Lower	Upper
149	100		
177	24.3	19.4	29.0
150	13.1	10.3	15.5





#61

4-Chlorophenyl-phenylether

Concen: 45.696 ng

RT: 15.77 min Scan# 2158

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

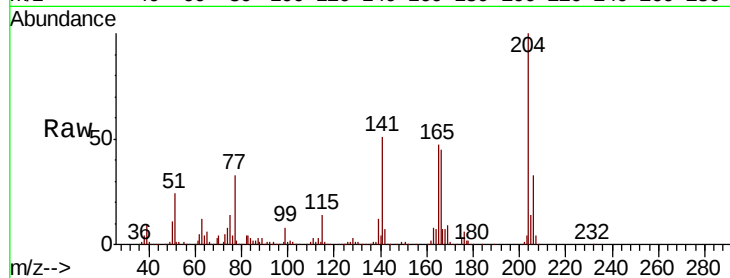
Tgt Ion:204 Resp: 310250

Ion Ratio Lower Upper

204 100

206 33.2 27.6 41.4

141 50.9 45.1 67.7

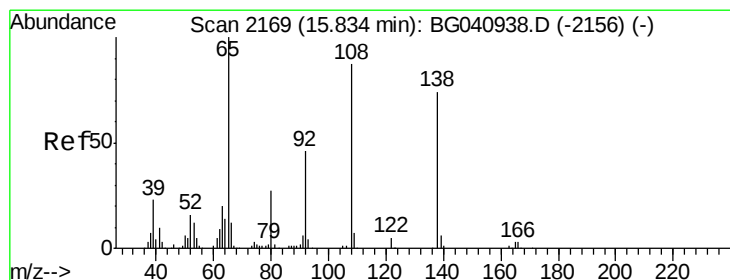
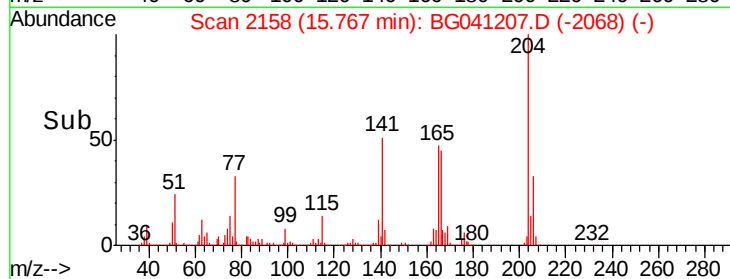
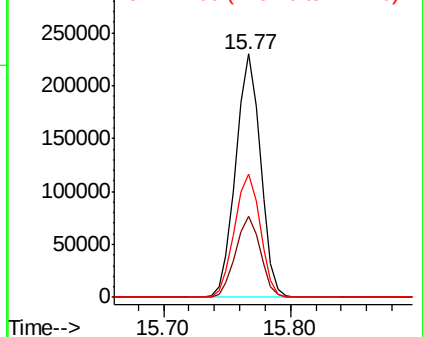


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 43.849 ng

RT: 15.82 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

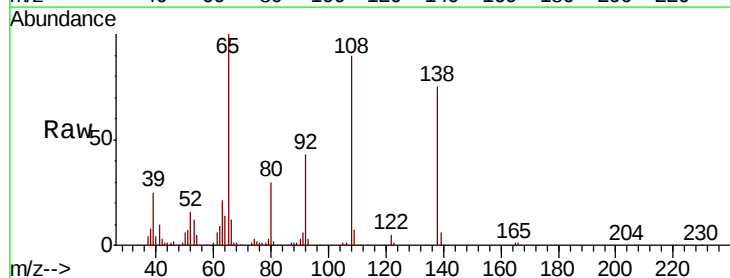
Tgt Ion:138 Resp: 113984

Ion Ratio Lower Upper

138 100

92 57.1 42.4 82.4

108 118.7 96.9 136.9

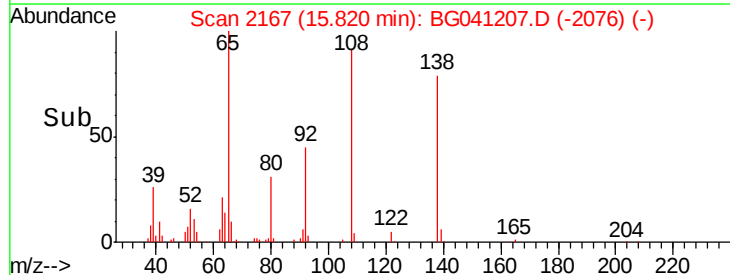
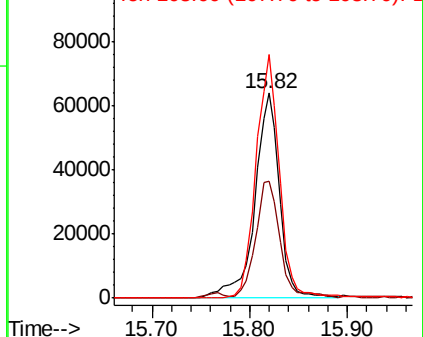


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

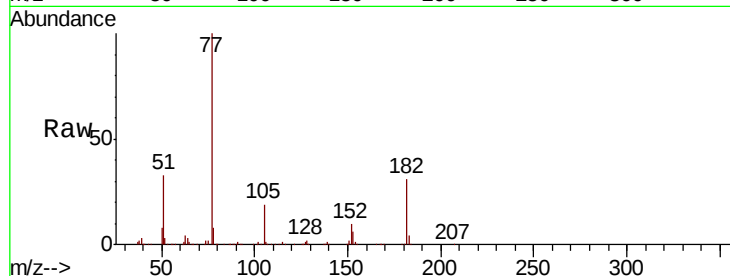




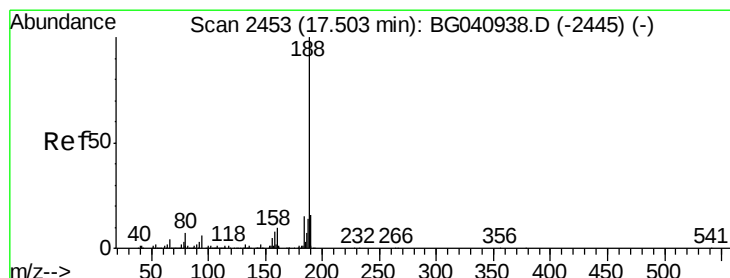
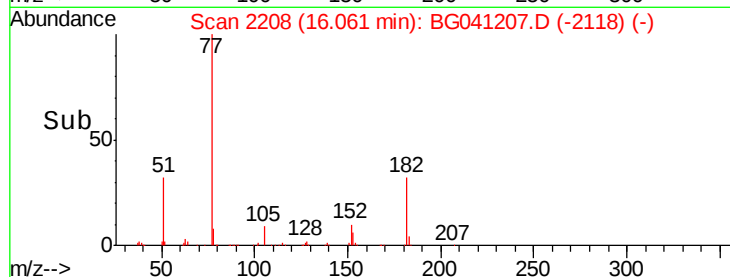
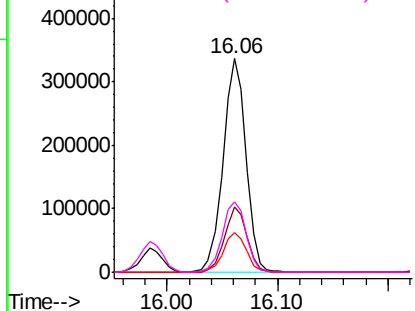
#63
Azobenzene
Concen: 45.793 ng
RT: 16.06 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion:	77	Resp:	483736
Ion	Ratio	Lower	Upper
77	100		
182	30.6	9.6	49.6
105	18.7	0.0	37.5
51	33.2	13.7	53.7

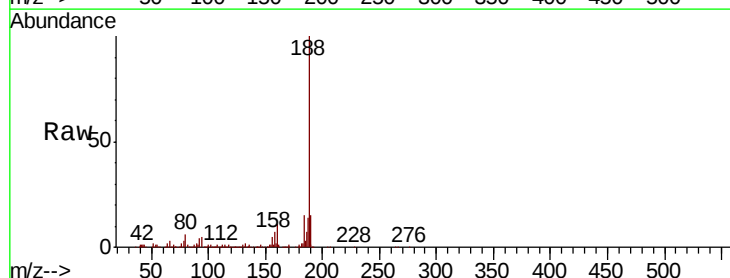


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

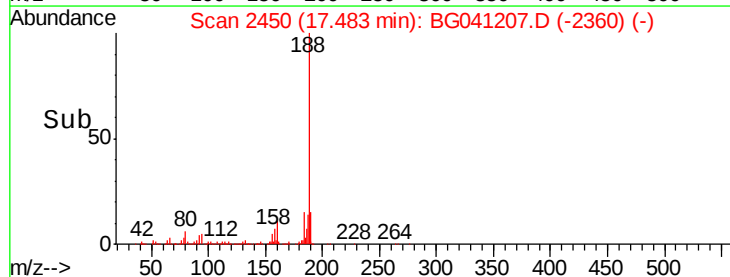
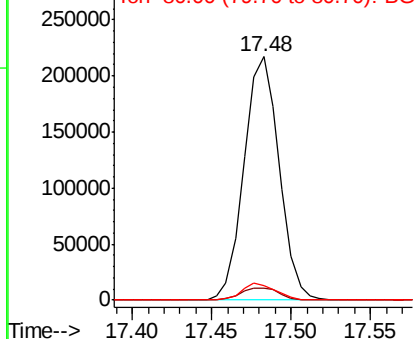


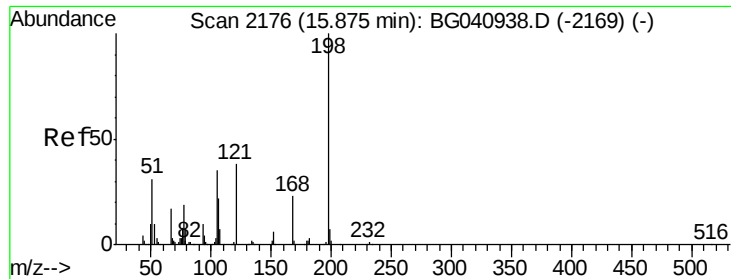
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2450
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:	188	Resp:	334518
Ion	Ratio	Lower	Upper
188	100		
94	4.9	4.7	7.1
80	5.9	5.8	8.8



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





#65

4,6-Dinitro-2-methylphenol

Concen: 49.732 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

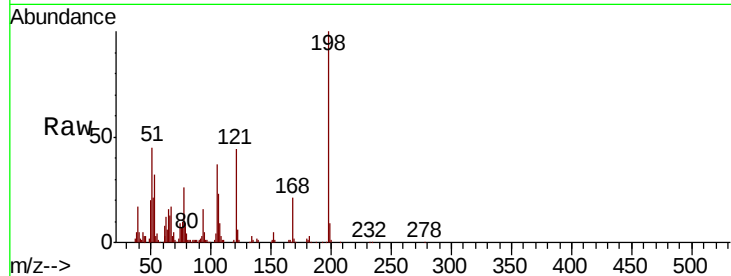
Tgt Ion:198 Resp: 89823

Ion Ratio Lower Upper

198 100

51 45.2 21.6 61.6

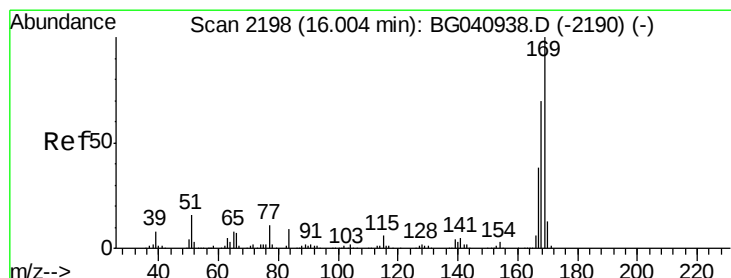
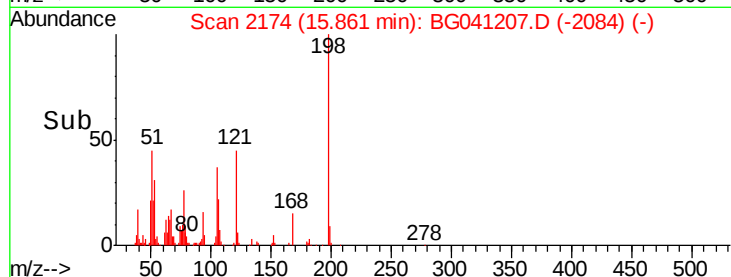
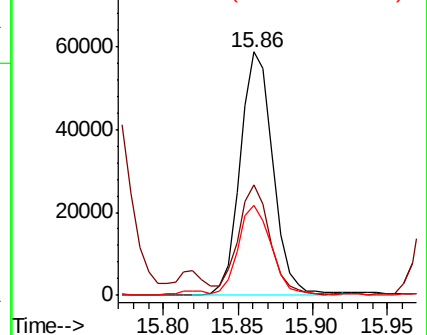
105 36.8 17.5 57.5



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: 48.212 ng

RT: 15.98 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

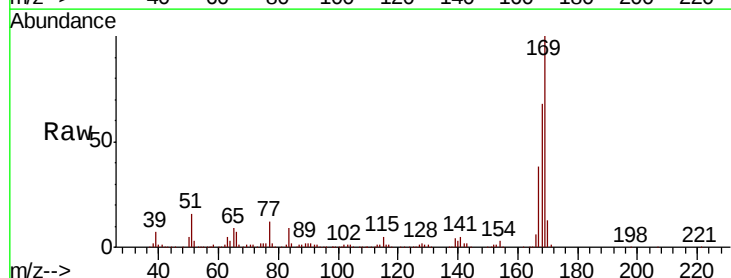
Tgt Ion:169 Resp: 453372

Ion Ratio Lower Upper

169 100

168 67.8 55.7 83.5

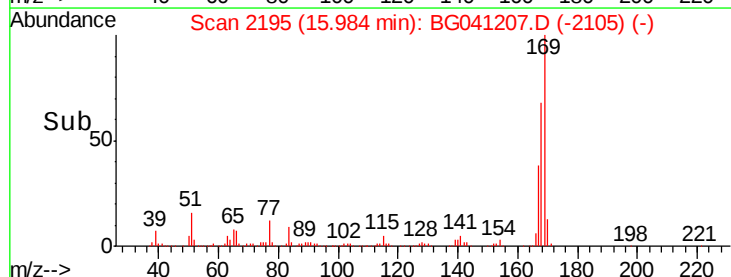
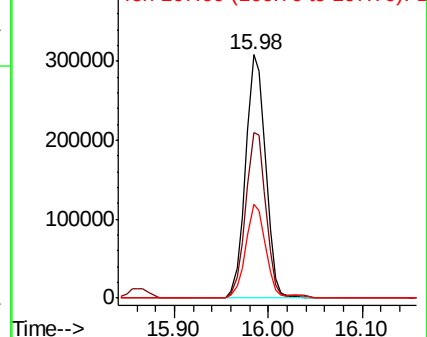
167 38.3 30.2 45.2



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

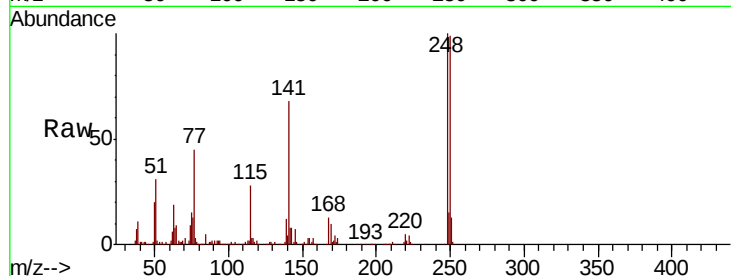




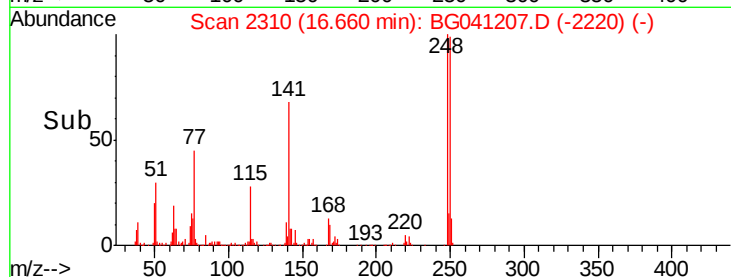
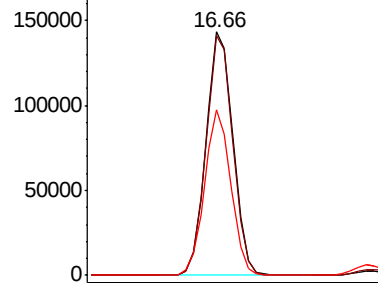
#67
4-Bromophenyl-phenylether
Concen: 44.681 ng
RT: 16.66 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion:248 Resp: 201710
Ion Ratio Lower Upper
248 100
250 98.6 75.0 112.4
141 67.9 52.4 78.6

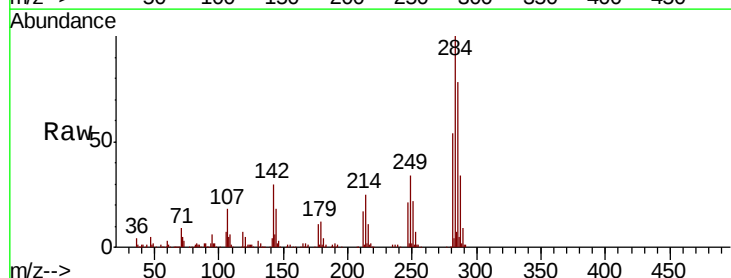


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

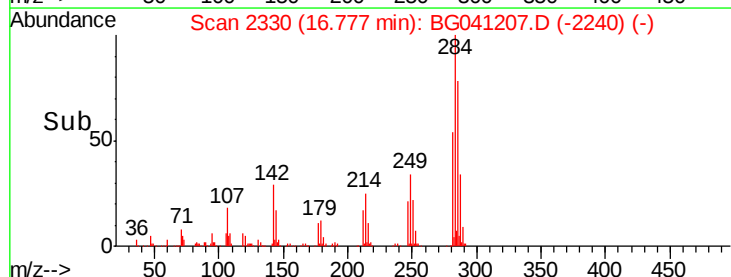
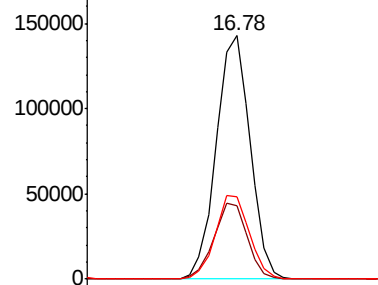


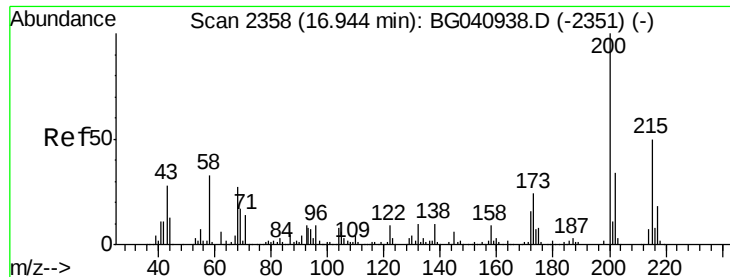
#68
Hexachlorobenzene
Concen: 44.006 ng
RT: 16.78 min Scan# 2330
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:284 Resp: 211544
Ion Ratio Lower Upper
284 100
142 29.9 23.9 35.9
249 33.8 26.8 40.2



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: 53.084 ng

RT: 16.92 min Scan# 2355

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

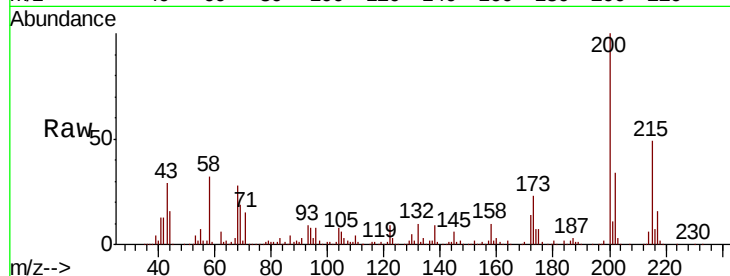
Tgt Ion:200 Resp: 192614

Ion Ratio Lower Upper

200 100

173 22.7 3.6 43.6

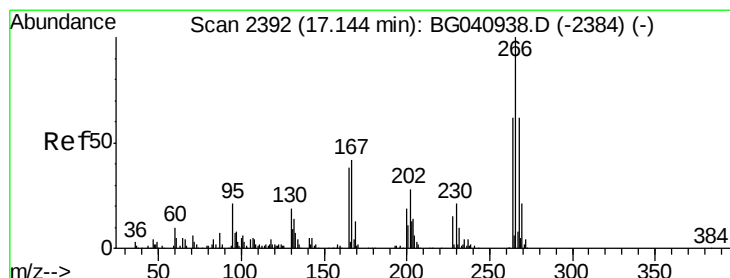
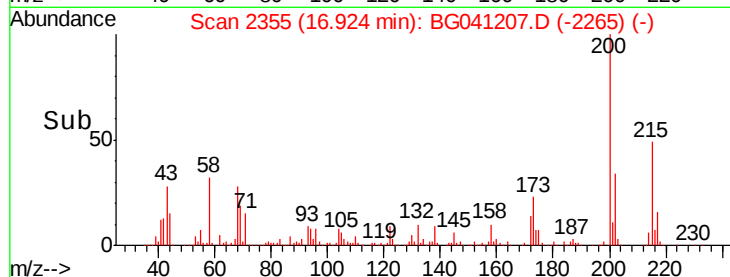
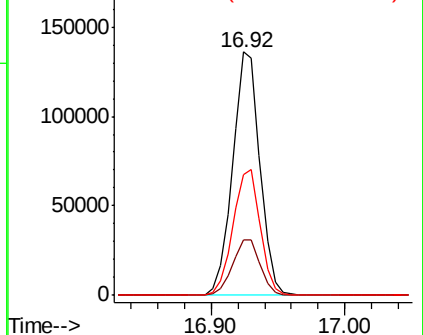
215 49.5 29.6 69.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 93.660 ng

RT: 17.12 min Scan# 2389

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

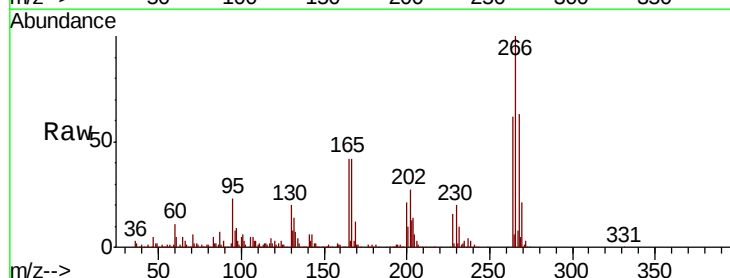
Tgt Ion:266 Resp: 243169

Ion Ratio Lower Upper

266 100

268 63.3 53.1 79.7

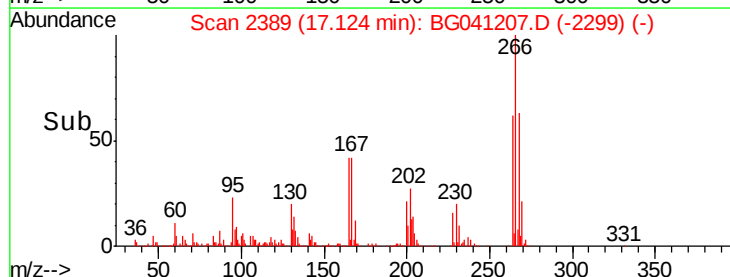
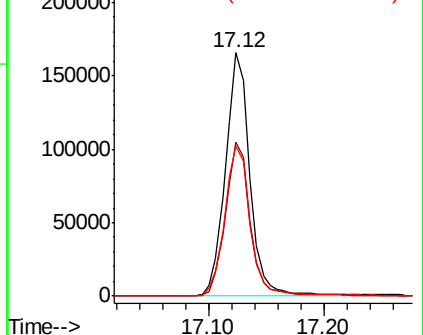
264 61.7 49.9 74.9

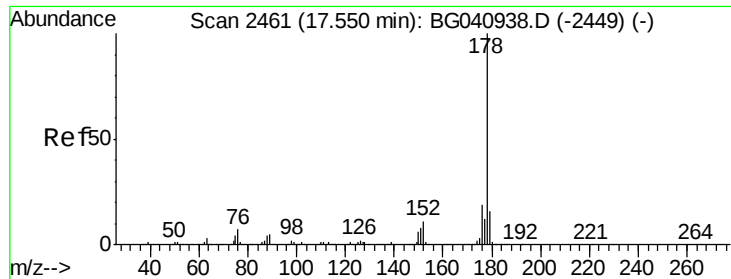


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

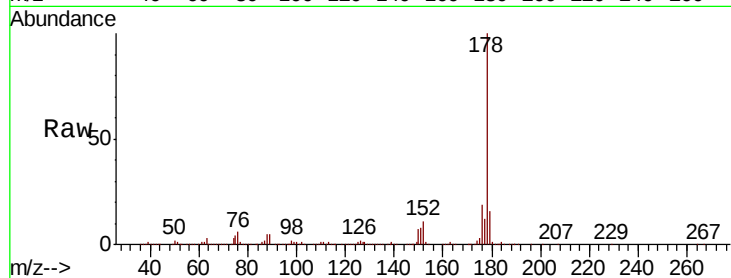




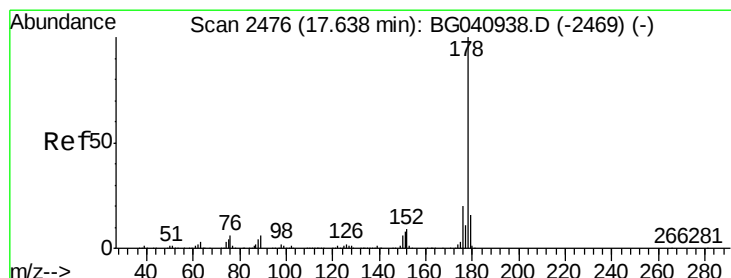
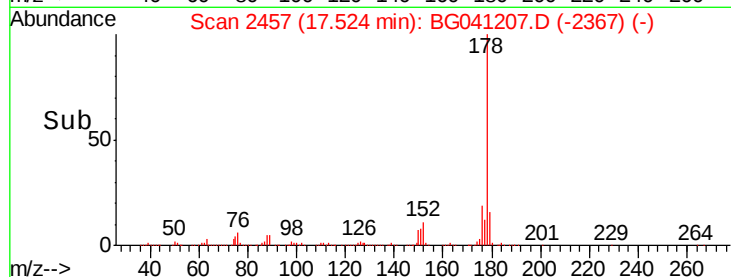
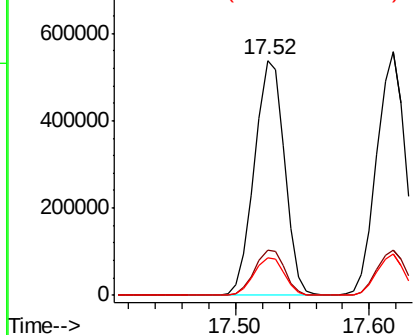
#71
Phenanthrene
Concen: 47.956 ng
RT: 17.52 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion:178 Resp: 835602
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 16.0 12.7 19.1

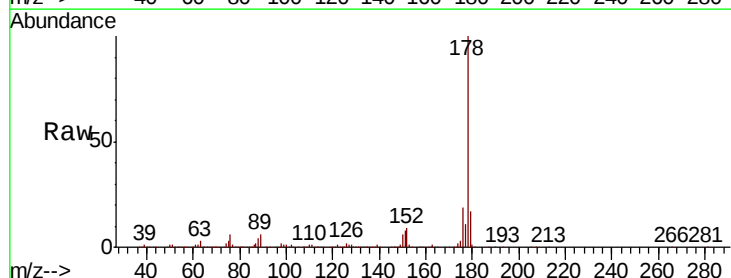


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

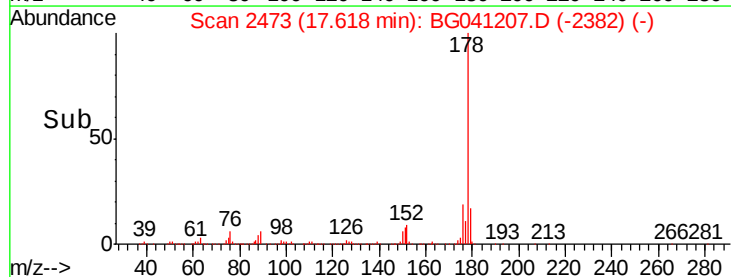
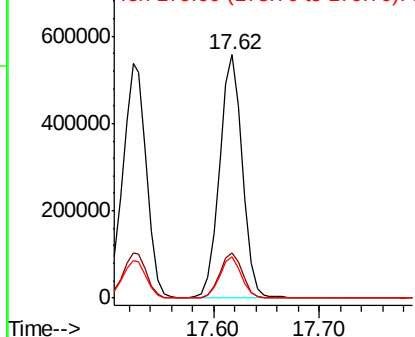


#72
Anthracene
Concen: 48.497 ng
RT: 17.62 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:178 Resp: 833434
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 16.8 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 49.634 ng

RT: 17.89 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

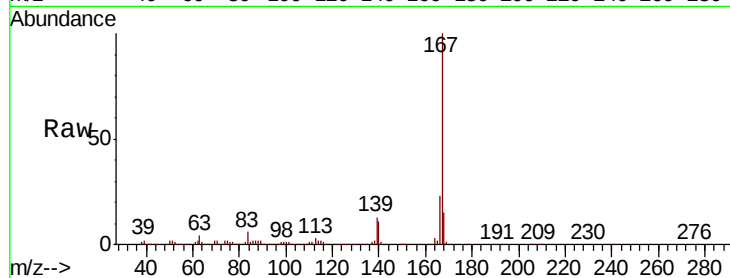
Tgt Ion:167 Resp: 731883

Ion Ratio Lower Upper

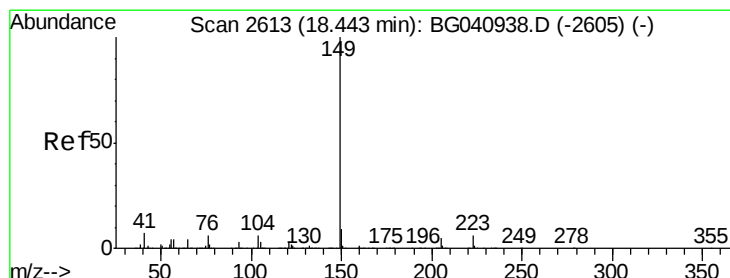
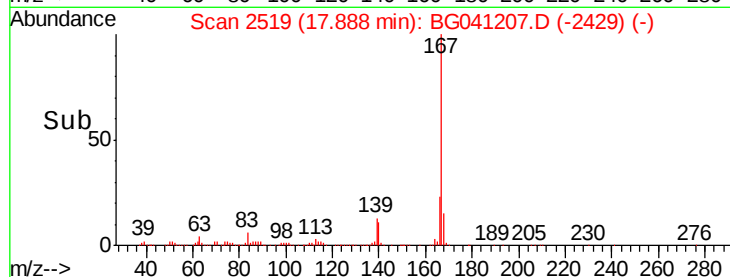
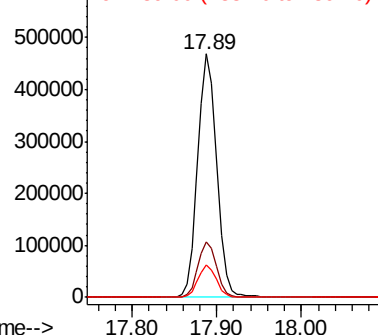
167 100

166 22.6 18.2 27.4

139 13.1 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: 45.023 ng

RT: 18.42 min Scan# 2609

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

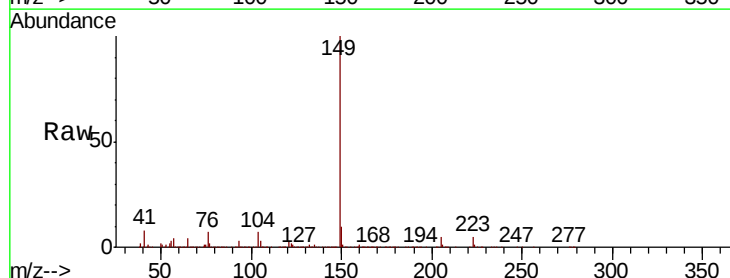
Tgt Ion:149 Resp: 825132

Ion Ratio Lower Upper

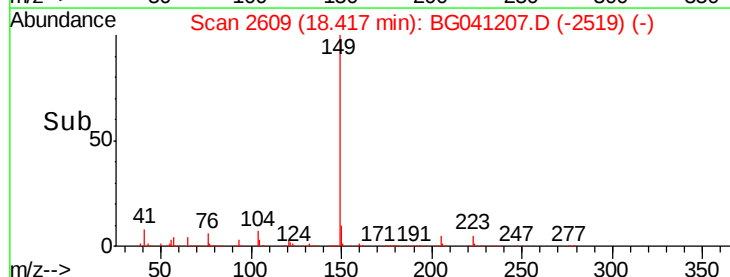
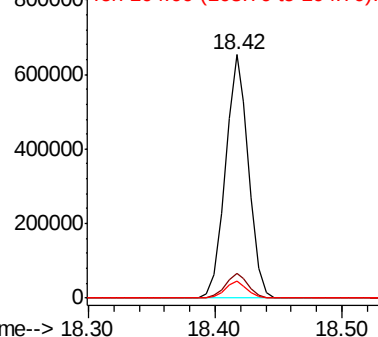
149 100

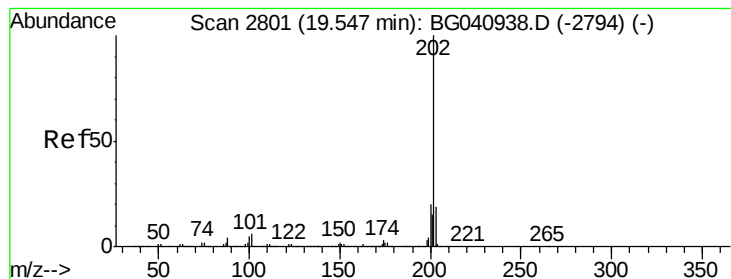
150 10.4 7.4 11.2

104 7.2 5.0 7.4



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: 51.002 ng

RT: 19.53 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

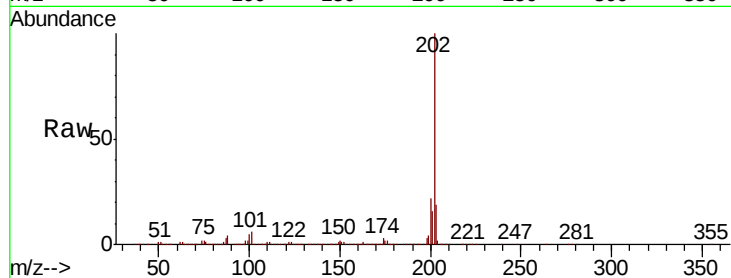
Tgt Ion:202 Resp: 1097680

Ion Ratio Lower Upper

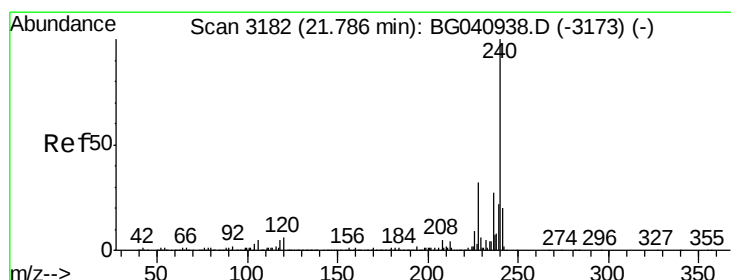
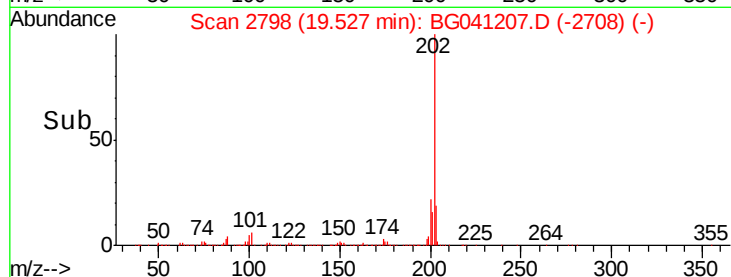
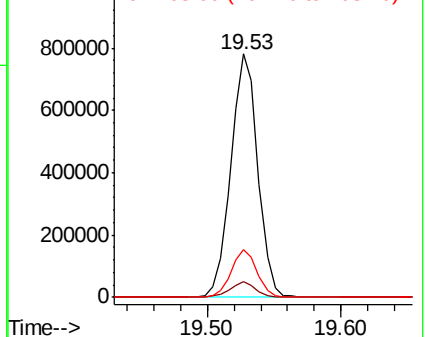
202 100

101 6.4 0.0 26.2

203 19.4 0.0 38.7



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: 21.76 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

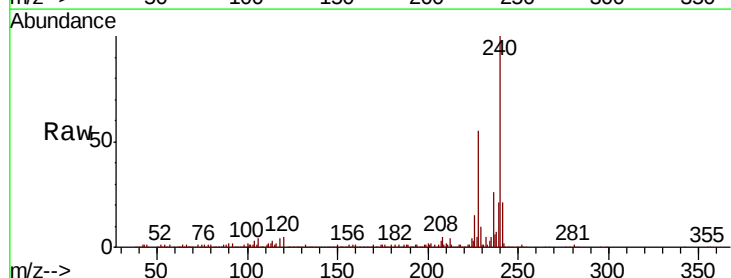
Tgt Ion:240 Resp: 329721

Ion Ratio Lower Upper

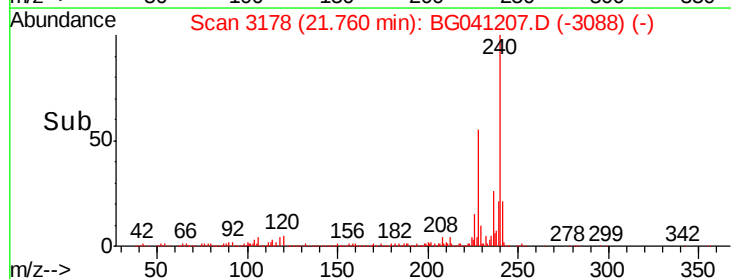
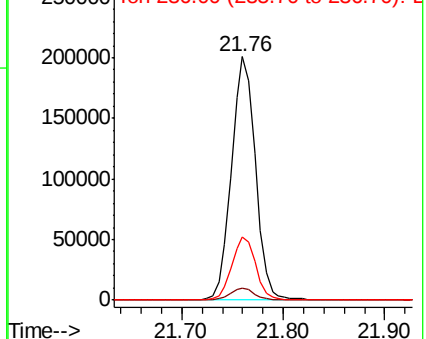
240 100

120 4.9 4.5 6.7

236 26.0 21.3 31.9



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: 11.672 ng

RT: 19.71 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

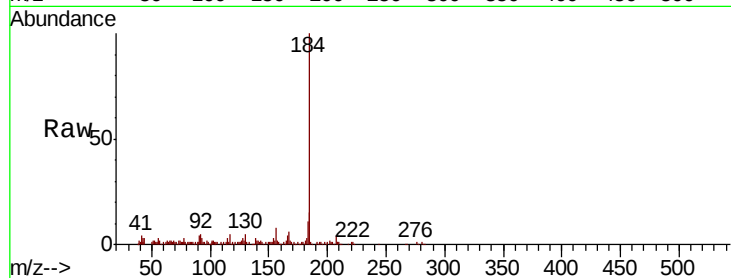
Tgt Ion:184 Resp: 91810

Ion Ratio Lower Upper

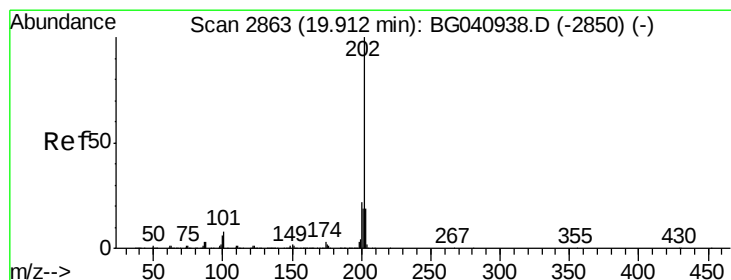
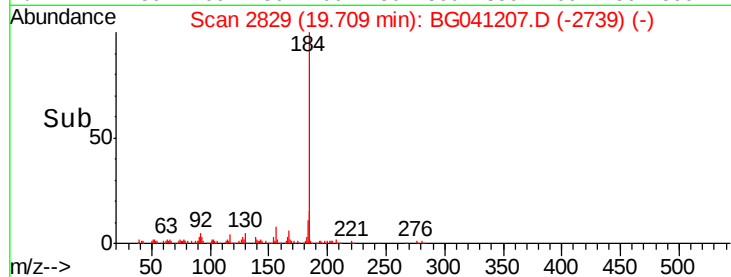
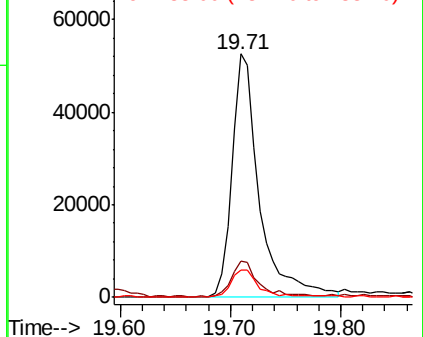
184 100

185 15.1 13.3 19.9

183 11.3 10.7 16.1



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: 50.784 ng

RT: 19.89 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

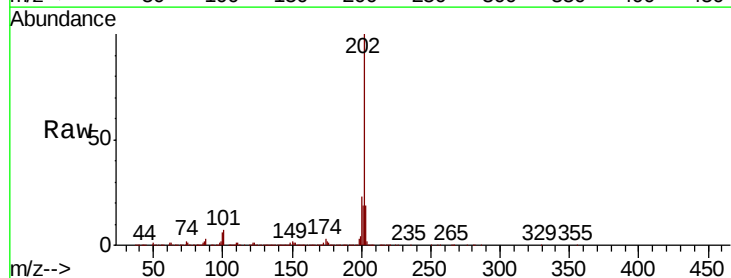
Tgt Ion:202 Resp: 1088497

Ion Ratio Lower Upper

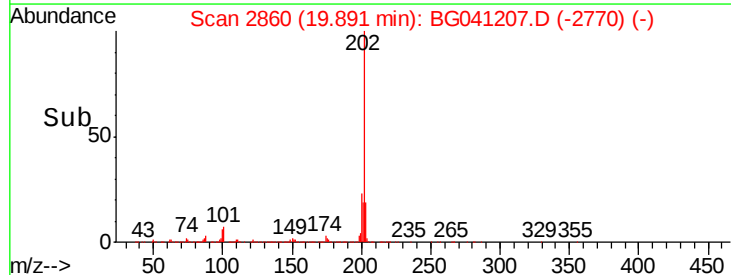
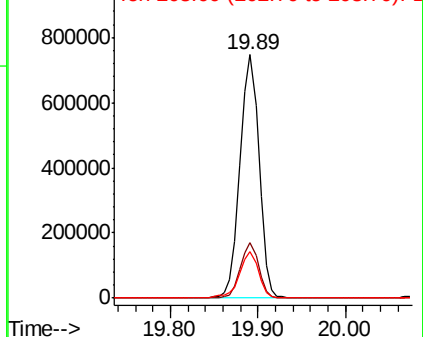
202 100

200 22.6 17.5 26.3

203 18.9 15.6 23.4



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: 102.361 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

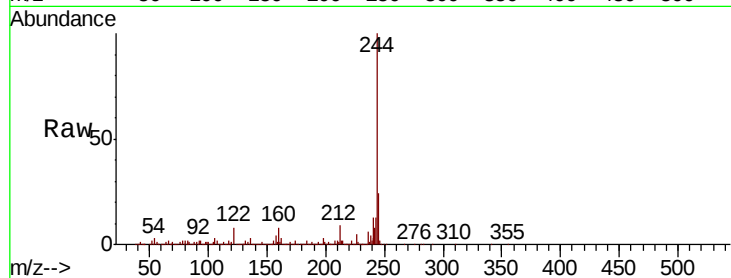
Tgt Ion:244 Resp: 1590247

Ion Ratio Lower Upper

244 100

212 9.4 7.0 10.4

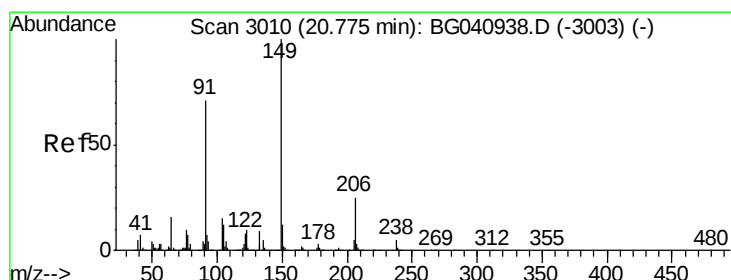
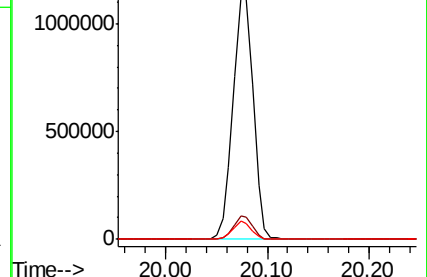
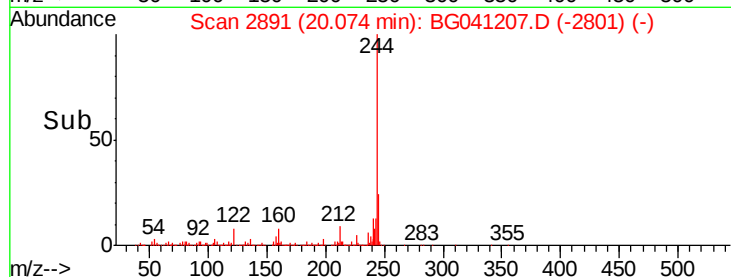
122 7.7 5.4 8.0



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: 46.236 ng

RT: 20.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

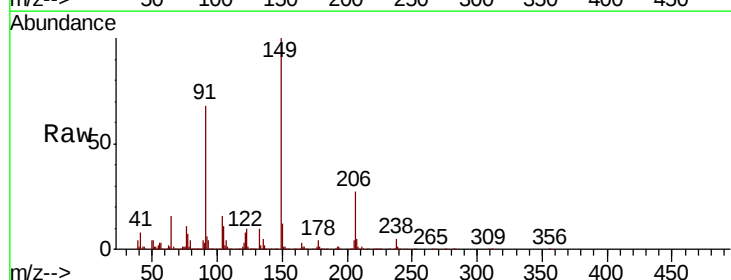
Tgt Ion:149 Resp: 385668

Ion Ratio Lower Upper

149 100

91 68.4 56.5 84.7

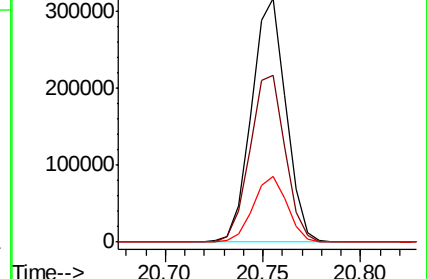
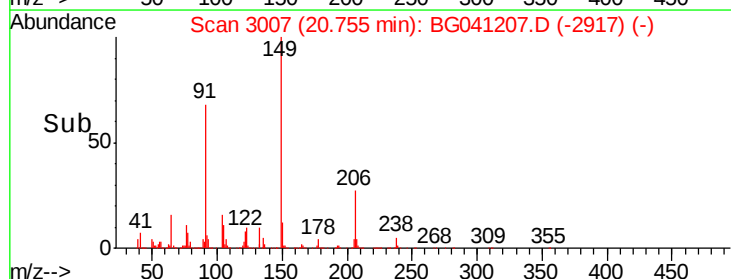
206 26.9 20.3 30.5

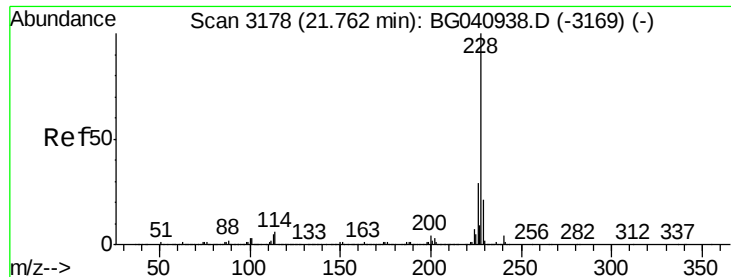


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 47.062 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

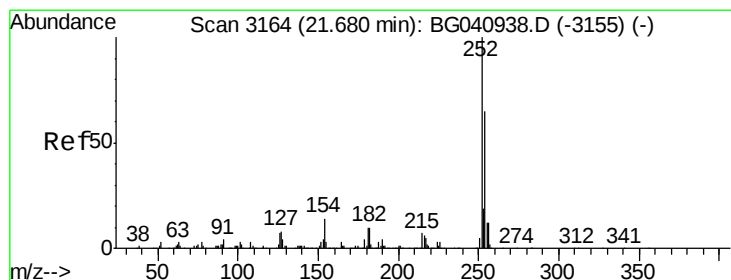
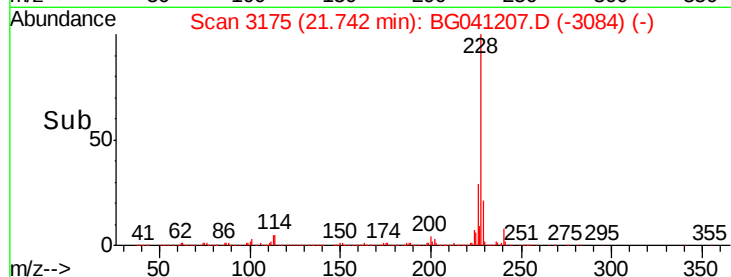
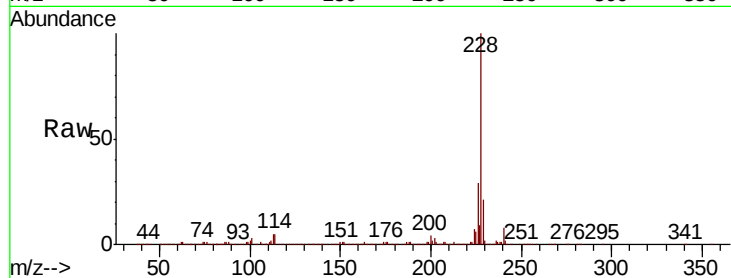
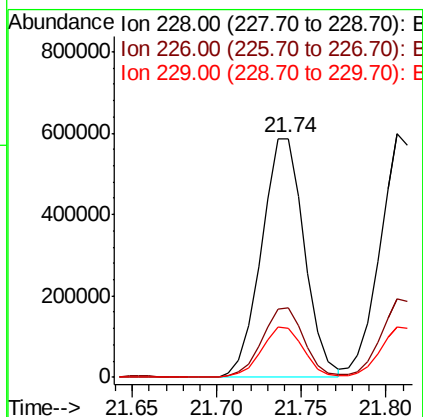
BNA_G

ClientSampleId :

200030-200034MSD

Tgt Ion:228 Resp: 1032930

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.5	35.3
229	20.8	16.7	25.1



#82

3,3'-Dichlorobenzidine

Concen: 34.596 ng

RT: 21.65 min Scan# 3160

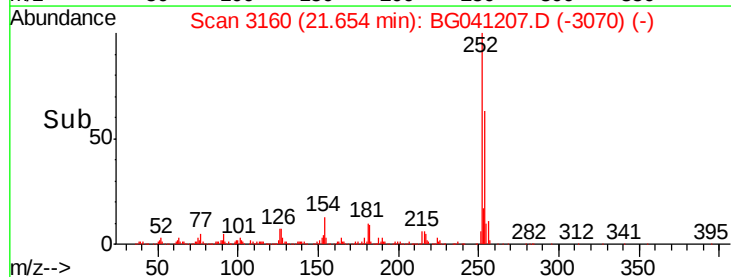
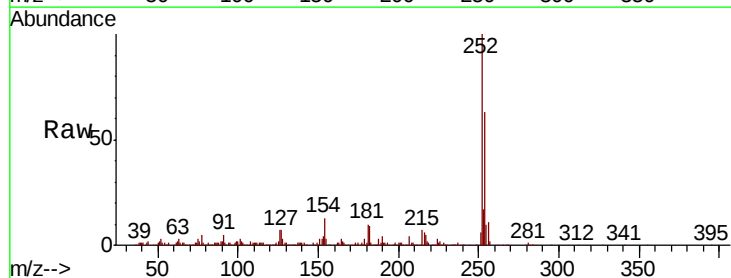
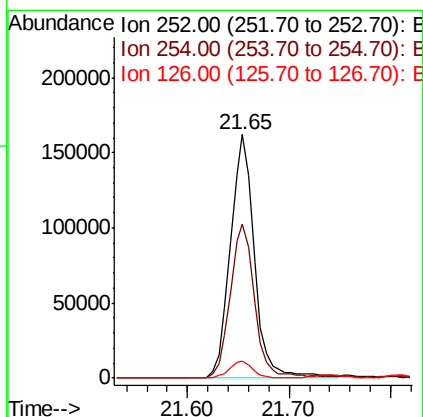
Delta R.T. 0.00 min

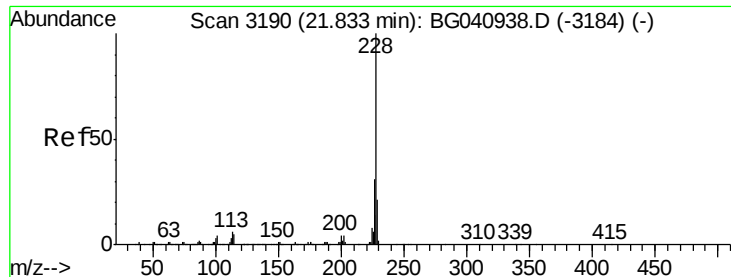
Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:252 Resp: 267072

Ion	Ratio	Lower	Upper
252	100		
254	63.0	52.1	78.1
126	7.2	5.5	8.3





#83

Chrysene

Concen: 48.649 ng

RT: 21.81 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

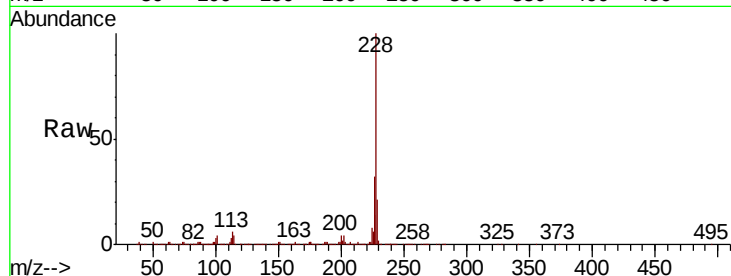
Tgt Ion:228 Resp: 1021795

Ion Ratio Lower Upper

228 100

226 32.1 24.6 37.0

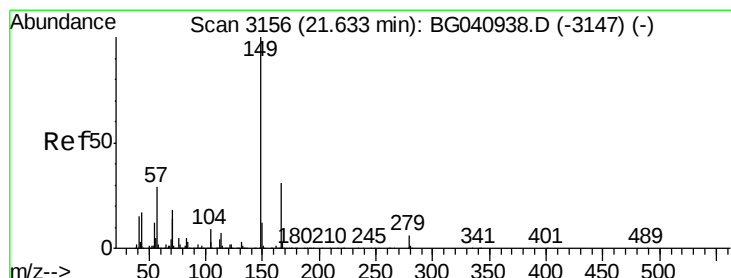
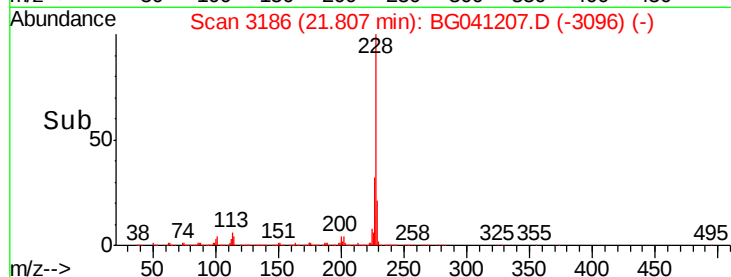
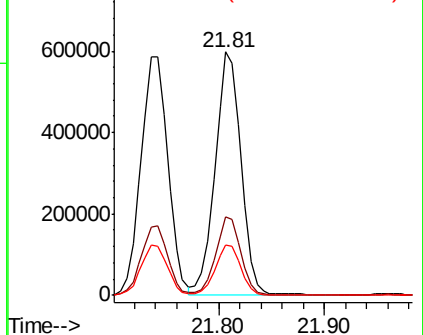
229 20.7 16.6 24.8



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: 50.986 ng

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

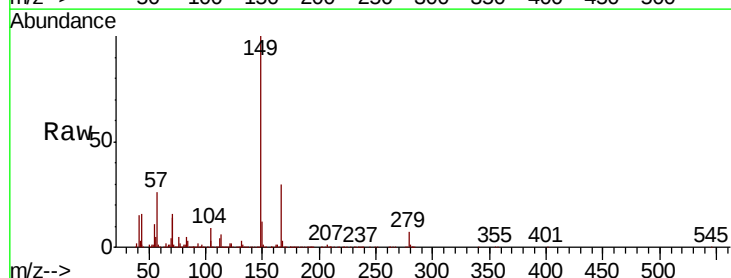
Tgt Ion:149 Resp: 598685

Ion Ratio Lower Upper

149 100

167 30.0 24.6 37.0

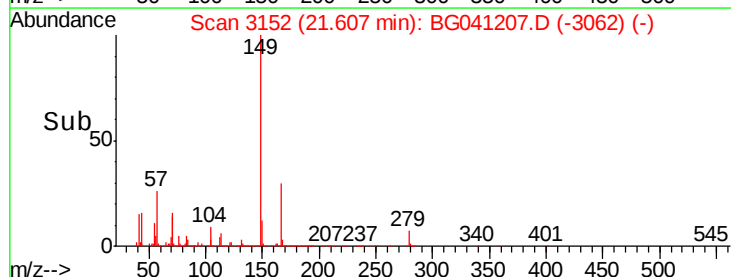
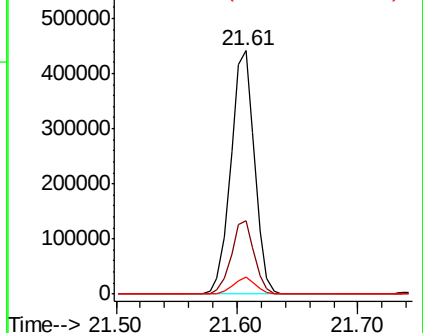
279 6.8 5.0 7.6

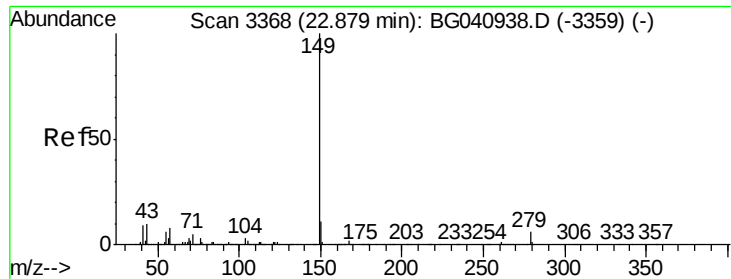


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 47.730 ng

RT: 22.84 min Scan# 3362

Delta R.T. -0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

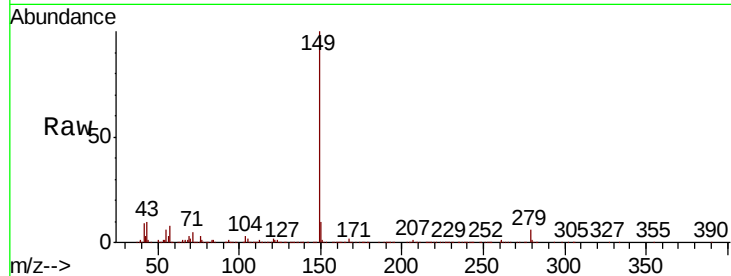
Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

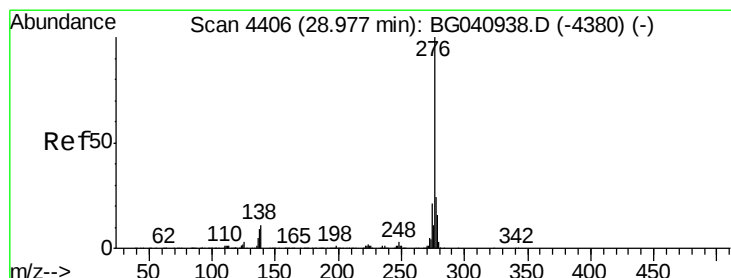
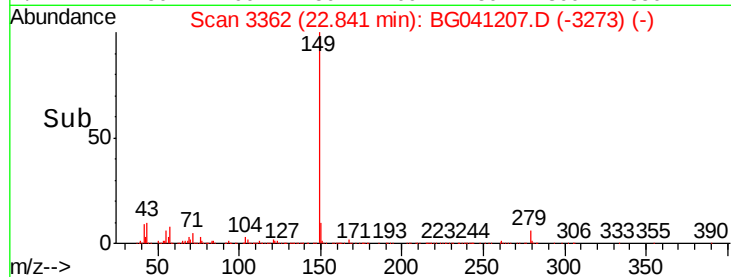
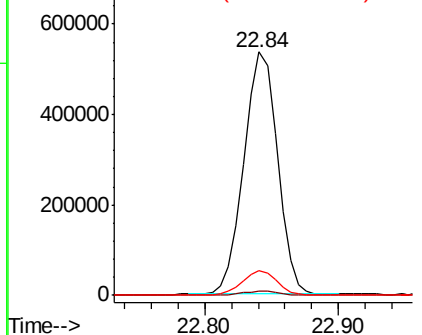
Tgt Ion:	149	Resp:	933400
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	10.1	8.1	12.1



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: 15.434 ng

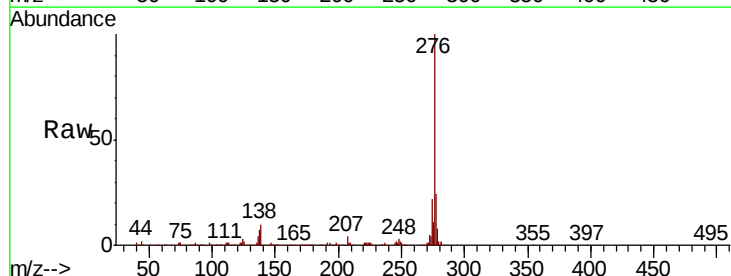
RT: 28.89 min Scan# 4392

Delta R.T. -0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

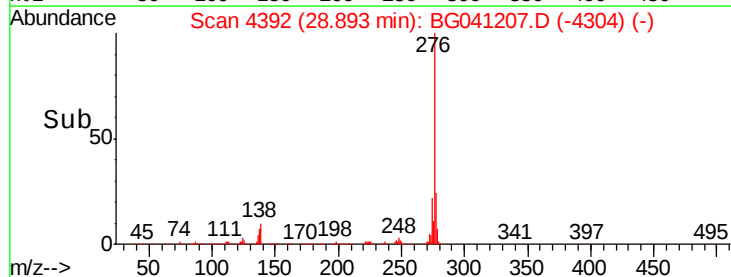
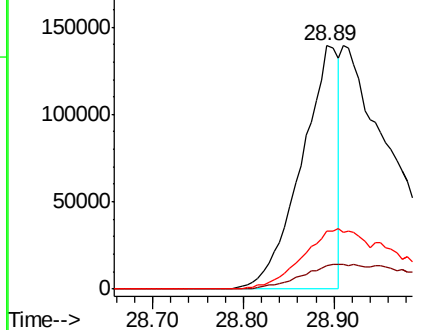
Tgt Ion:	276	Resp:	397111
Ion	Ratio	Lower	Upper
276	100		
138	17.5	5.7	8.5#
277	40.1	20.8	31.2#

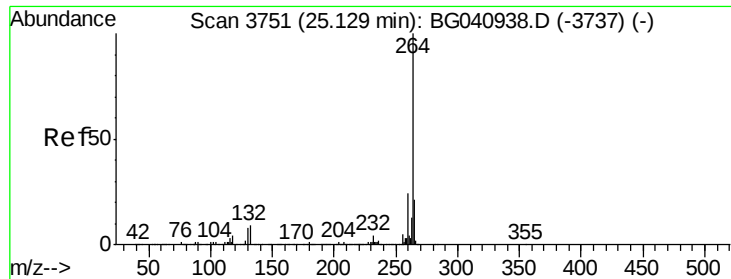


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.09 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

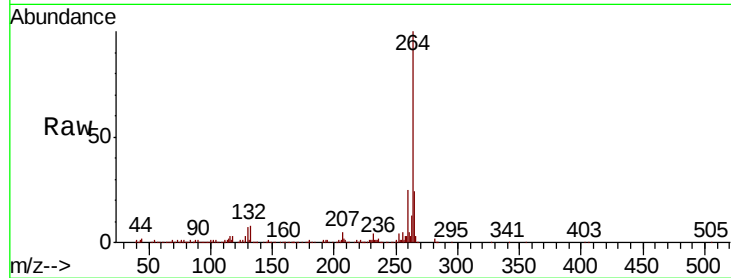
Tgt Ion:264 Resp: 346220

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.4

265 23.8 17.0 25.4



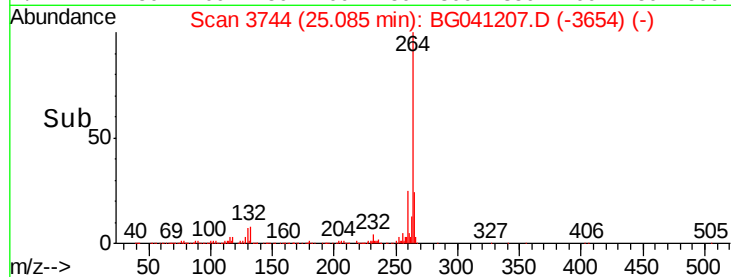
Abundance

Ion 264.00 (263.70 to 264.70): E

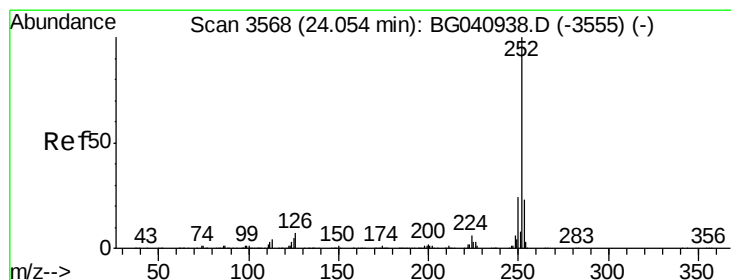
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

25.09



Time-->



#88

Benzo(b)fluoranthene

Concen: 50.025 ng

RT: 24.02 min Scan# 3563

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

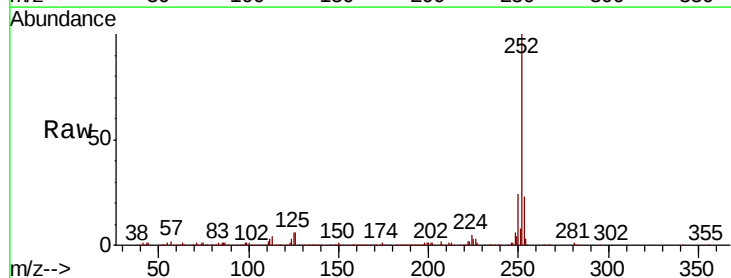
Tgt Ion:252 Resp: 1050492

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 5.5 4.3 6.5



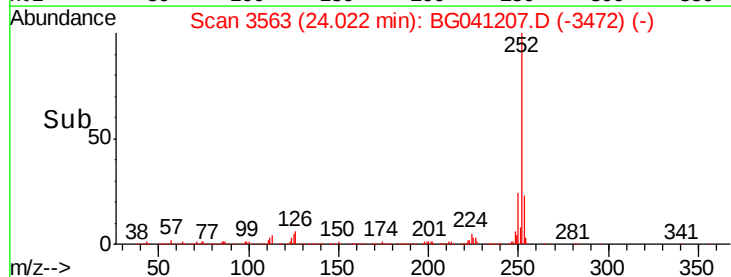
Abundance

Ion 252.00 (251.70 to 252.70): E

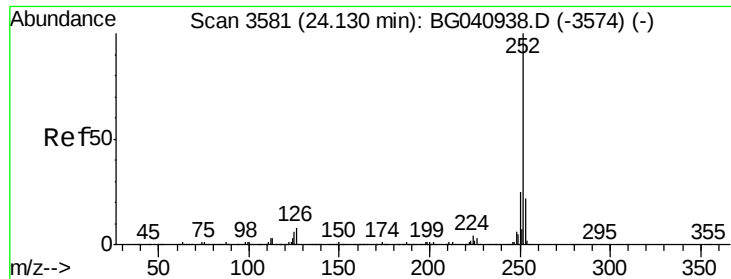
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

24.02



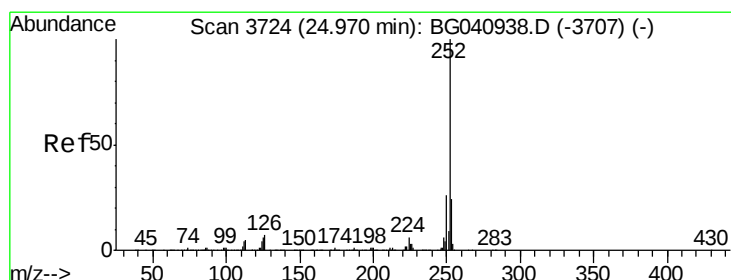
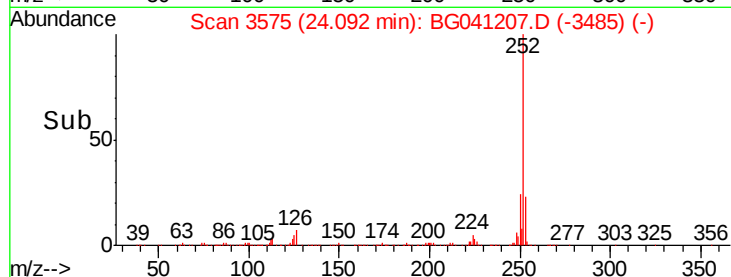
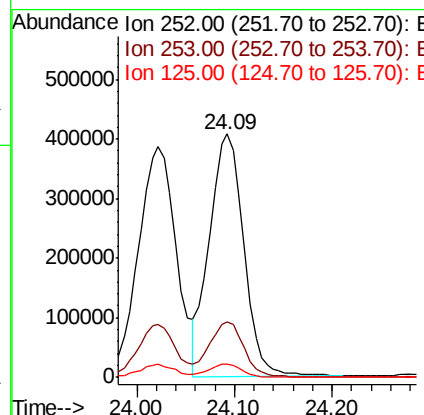
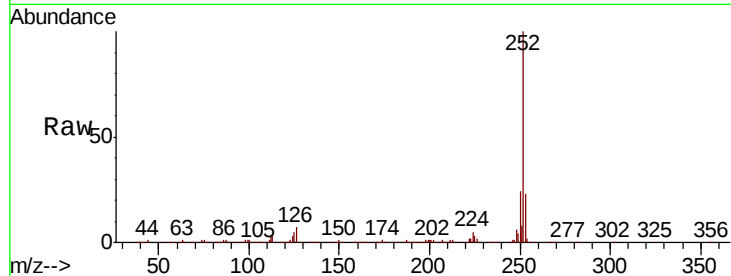
Time-->



#89
Benzo(k)fluoranthene
Concen: 47.775 ng
RT: 24.09 min Scan# 3575
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

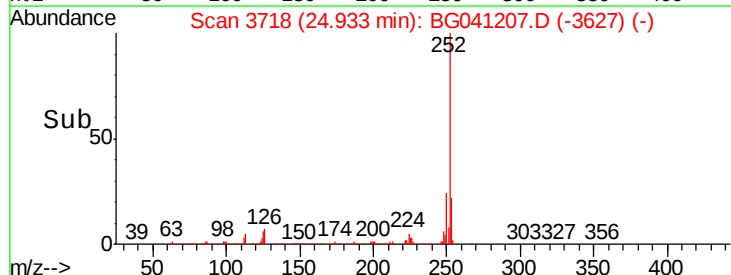
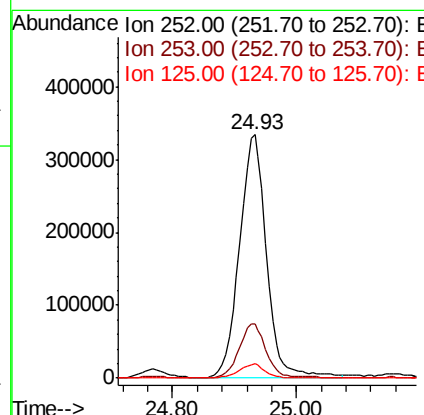
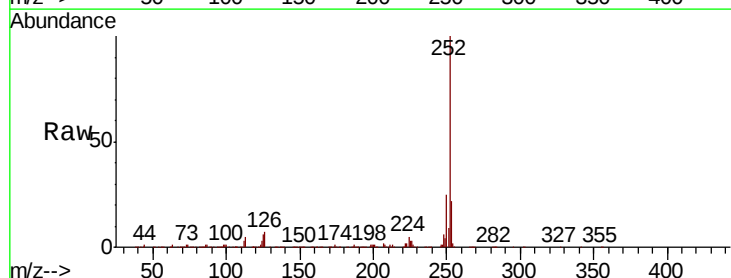
Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

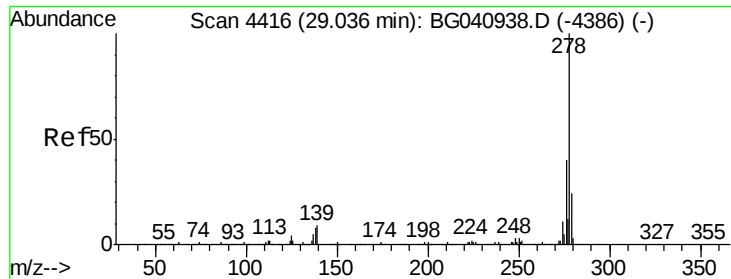
Tgt Ion:252 Resp: 992774
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 5.4 4.7 7.1



#90
Benzo(a)pyrene
Concen: 50.657 ng
RT: 24.93 min Scan# 3718
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:252 Resp: 1014913
Ion Ratio Lower Upper
252 100
253 22.5 19.5 29.3
125 5.7 5.1 7.7

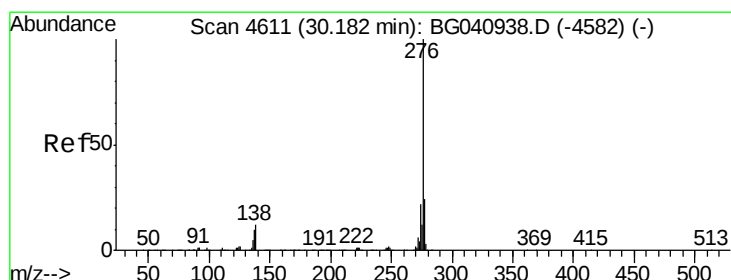
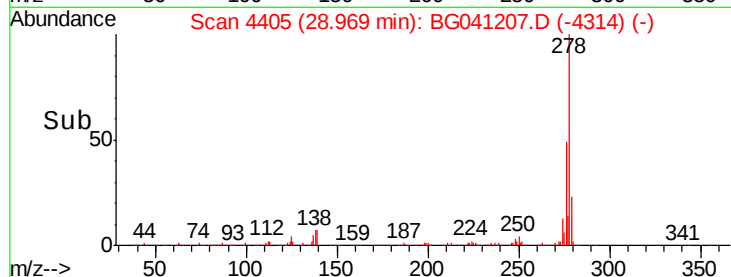
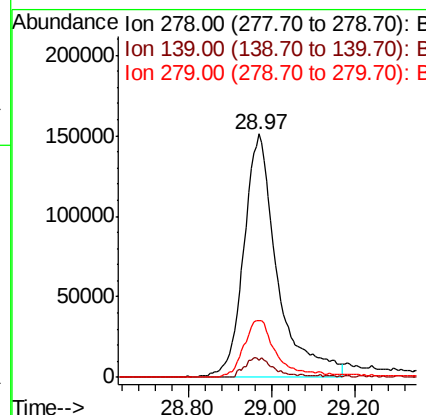
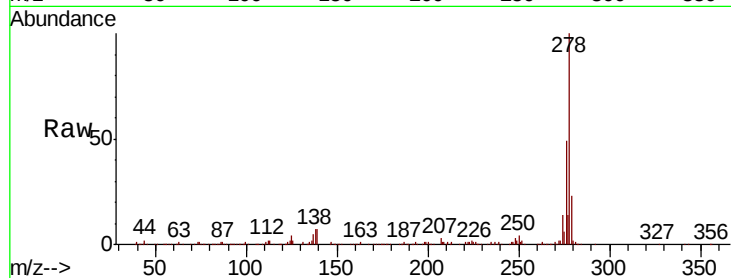




#91
Dibenzo(a,h)anthracene
Concen: 41.824 ng
RT: 28.97 min Scan# 4405
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tgt Ion	Ratio	Lower	Upper
278	100		
139	7.2	7.1	10.7
279	23.2	19.4	29.2



#92
Benzo(g,h,i)perylene
Concen: 40.290 ng
RT: 30.10 min Scan# 4598
Delta R.T. -0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	11.9	9.7	14.5

