

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112918\
 Data File : BG038235.D
 Acq On : 29 Nov 2018 16:24
 Operator : JU/SJ
 Sample : PB115157BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 17:07:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	34575	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	151686	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	95193	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	225490	20.00	ng	0.00
76) Chrysene-d12	21.75	240	211037	20.00	ng	0.00
87) Perylene-d12	25.07	264	201609	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	302171	150.89	ng	0.00
7) Phenol-d6	7.23	99	412121	144.17	ng	0.00
23) Nitrobenzene-d5	9.26	82	198615	70.09	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	151930	139.94	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	425158	65.07	ng	0.00
79) Terphenyl-d14	20.07	244	685521	76.43	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.51	88	32735	34.608 ng	93
3) Pyridine	3.91	79	92535	34.295 ng	94
4) n-Nitrosodimethylamine	3.84	42	53878	55.040 ng	95
6) Aniline	7.41	93	121808	33.017 ng	98
8) 2-Chlorophenol	7.65	128	113744	48.951 ng	99
9) Benzaldehyde	7.23	77	57996	28.055 ng	97
10) Phenol	7.26	94	146176	48.278 ng	97
11) bis(2-Chloroethyl)ether	7.50	93	108200	43.773 ng	100
12) 1,3-Dichlorobenzene	7.97	146	110502	41.281 ng	98
13) 1,4-Dichlorobenzene	8.12	146	114211	42.237 ng	98
14) 1,2-Dichlorobenzene	8.44	146	112246	43.479 ng	97
15) Benzyl Alcohol	8.33	79	103158	49.874 ng	97
16) 2,2'-oxybis(1-Chloropropan	8.60	45	230597	50.240 ng	97
17) 2-Methylphenol	8.52	107	100569	49.129 ng	99
18) Hexachloroethane	9.17	117	42212	42.894 ng	91
19) n-Nitroso-di-n-propylamine	8.89	70	88584	42.828 ng	97
20) 3+4-Methylphenols	8.85	107	139897	48.209 ng	94
22) Acetophenone	8.91	105	164757	43.655 ng	# 96
24) Nitrobenzene	9.30	77	134605	46.436 ng	97
25) Isophorone	9.82	82	244606	47.959 ng	97
26) 2-Nitrophenol	10.01	139	65347	45.157 ng	96
27) 2,4-Dimethylphenol	10.05	122	114986	52.738 ng	98
28) bis(2-Chloroethoxy)methane	10.30	93	148310	45.475 ng	96
29) 2,4-Dichlorophenol	10.55	162	118540	48.335 ng	97
30) 1,2,4-Trichlorobenzene	10.76	180	118439	43.097 ng	96
31) Naphthalene	10.95	128	350316	46.955 ng	99
32) Benzoic acid	10.19	122	51048	39.352 ng	90
33) 4-Chloroaniline	11.06	127	95929	27.642 ng	98
34) Hexachlorobutadiene	11.22	225	72265	42.725 ng	95
35) Caprolactam	11.86	113	41403	42.177 ng	93
36) 4-Chloro-3-methylphenol	12.17	107	129650	48.389 ng	95
37) 2-Methylnaphthalene	12.55	142	253589	47.320 ng	96
38) 1-Methylnaphthalene	12.77	142	242994	47.106 ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.92	216	135294	42.533 ng	99

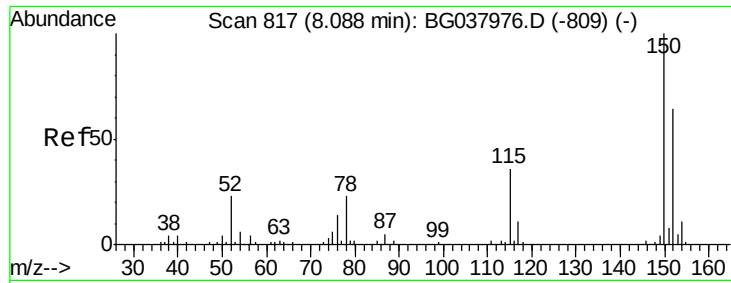
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112918\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	146691	86.121	nq	100
43) 2,4,6-Trichlorophenol	13.15	196	96702	44.613	nq	98
44) 2,4,5-Trichlorophenol	13.23	196	104030	45.613	nq	98
46) 1,1'-Biphenyl	13.56	154	325293	40.676	nq	99
47) 2-Chloronaphthalene	13.60	162	260939	42.759	nq	100
48) 2-Nitroaniline	13.81	65	94717	49.315	nq	96
49) Acenaphthylene	14.45	152	428459	46.688	nq	99
50) Dimethylphthalate	14.17	163	331055	43.868	nq	99
51) 2,6-Dinitrotoluene	14.30	165	77285	45.249	nq	95
52) Acenaphthene	14.78	154	247846	44.861	nq	100
53) 3-Nitroaniline	14.64	138	67612	35.874	nq	# 97
54) 2,4-Dinitrophenol	14.84	184	52279	59.415	nq	# 86
55) Dibenzofuran	15.12	168	398656	43.639	nq	98
56) 4-Nitrophenol	14.93	139	122433	84.227	nq	91
57) 2,4-Dinitrotoluene	15.08	165	109424	47.086	nq	# 95
58) Fluorene	15.77	166	318069	46.664	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.34	232	90877	47.619	nq	97
60) Diethylphthalate	15.52	149	349664	43.623	nq	99
61) 4-Chlorophenyl-phenylether	15.75	204	169754	42.563	nq	98
62) 4-Nitroaniline	15.80	138	84793	45.288	nq	92
63) Azobenzene	16.05	77	330452	46.108	nq	95
65) 4,6-Dinitro-2-methylphenol	15.84	198	52361	36.713	nq	90
66) n-Nitrosodiphenylamine	15.97	169	293838	43.074	nq	99
67) 4-Bromophenyl-phenylether	16.65	248	106750	43.132	nq	95
68) Hexachlorobenzene	16.76	284	108025	42.286	nq	97
69) Atrazine	16.91	200	112000	44.538	nq	98
70) Pentachlorophenol	17.11	266	119557	68.908	nq	95
71) Phenanthrene	17.51	178	542799	47.017	nq	99
72) Anthracene	17.60	178	548301	48.181	nq	99
73) Carbazole	17.87	167	502454	44.007	nq	100
74) Di-n-butylphthalate	18.41	149	610098	47.602	nq	99
75) Fluoranthene	19.51	202	649235	49.290	nq	99
77) Benzidine	19.70	184	204302	27.589	nq	99
78) Pyrene	19.88	202	645117	46.755	nq	98
80) Butylbenzylphthalate	20.75	149	283580	46.997	nq	98
81) Benzo(a)anthracene	21.73	228	610933	47.904	nq	98
82) 3,3'-Dichlorobenzidine	21.65	252	171038	34.429	nq	98
83) Chrysene	21.80	228	565799	46.369	nq	98
84) Bis(2-ethylhexyl)phthalate	21.60	149	396339	46.059	nq	98
85) Di-n-octyl phthalate	22.84	149	681638	48.964	nq	98
86) Indeno(1,2,3-cd)pyrene	28.89	276	577389	42.605	nq	# 95
88) Benzo(b)fluoranthene	24.01	252	603549	54.400	nq	99
89) Benzo(k)fluoranthene	24.08	252	570799	52.139	nq	99
90) Benzo(a)pyrene	24.91	252	575345	54.263	nq	98
91) Dibenzo(a,h)anthracene	28.95	278	465907	45.669	nq	97
92) Benzo(g,h,i)perylene	30.08	276	465025	45.843	nq	98

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

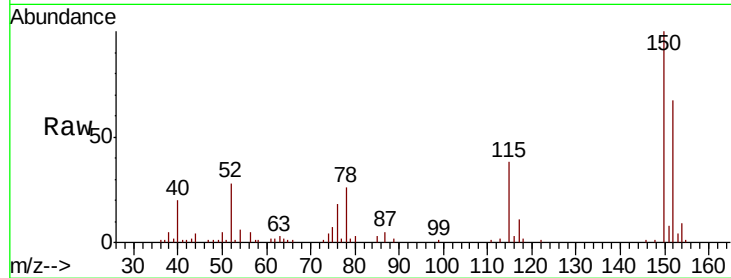


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.6	126.0	189.0
115	55.9	45.5	68.3

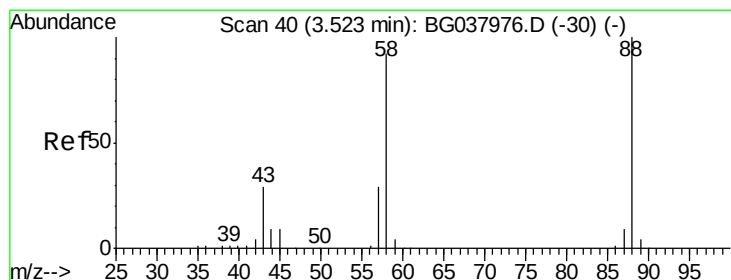
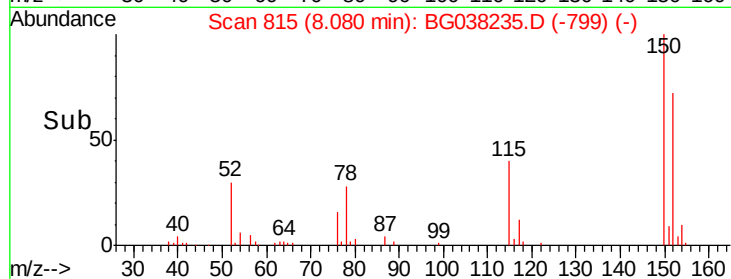
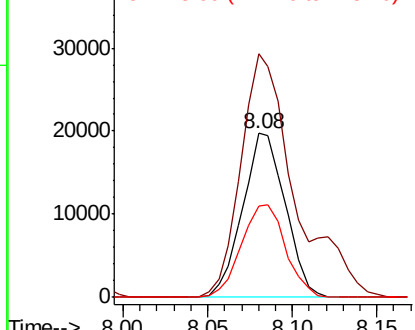


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

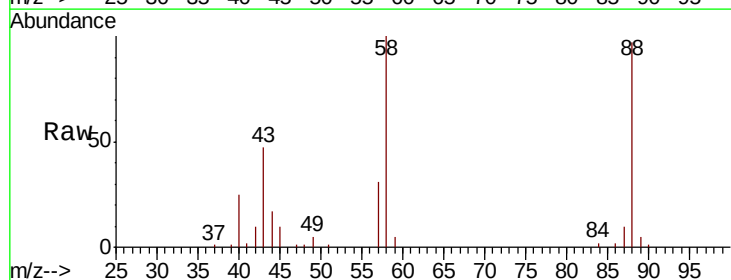
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 34.608 ng
RT: 3.51 min Scan# 38
Delta R.T. -0.01 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.3	74.4	111.6
43	35.1	25.8	38.8

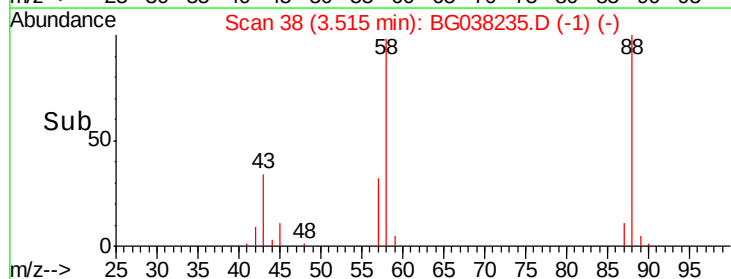
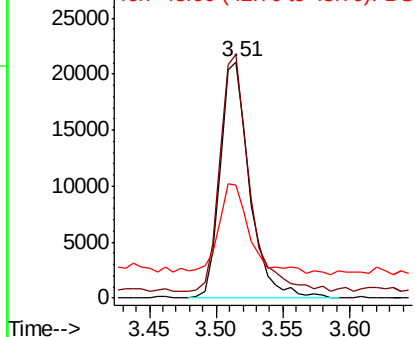


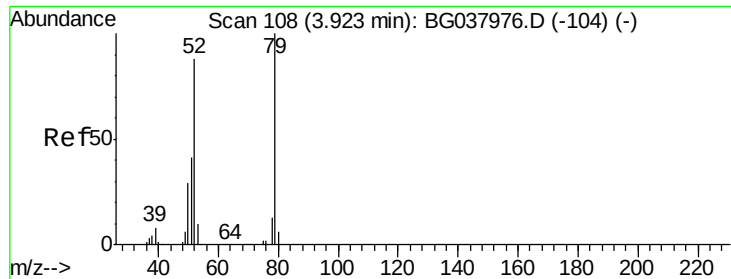
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 34.295 ng

RT: 3.91 min Scan# 106

Delta R.T. -0.01 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

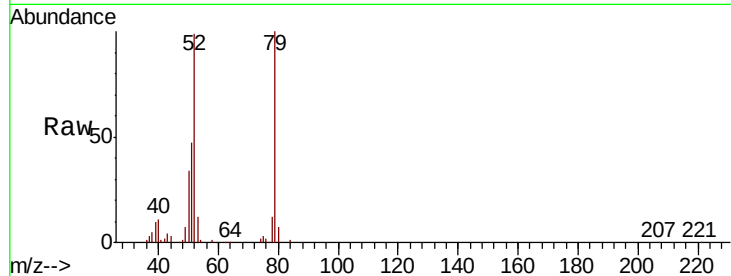
Tot Ion: 79 Resp: 92535

Ion Ratio Lower Upper

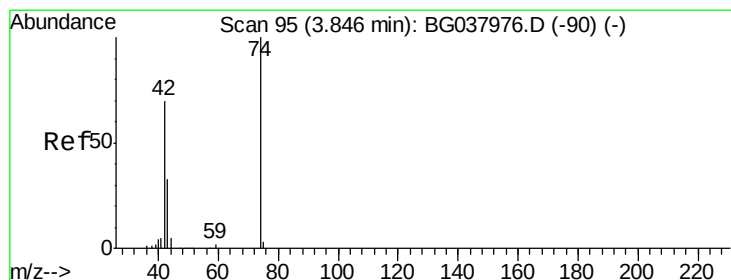
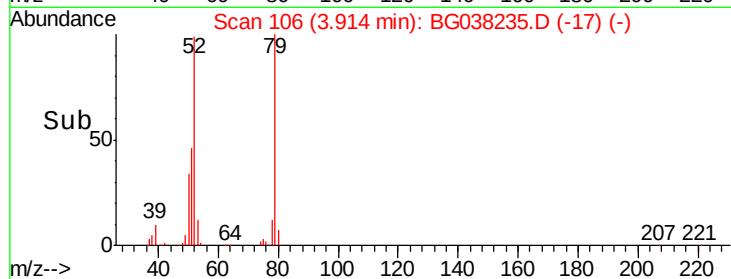
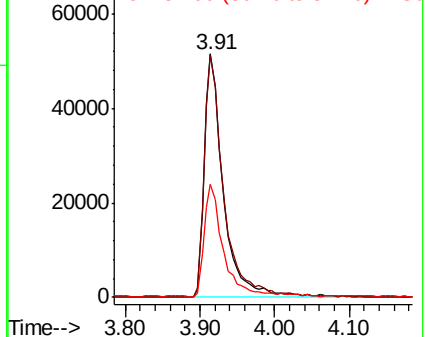
79 100

52 99.4 74.2 111.2

51 46.7 34.6 51.8



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: 55.040 ng

RT: 3.84 min Scan# 93

Delta R.T. -0.01 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

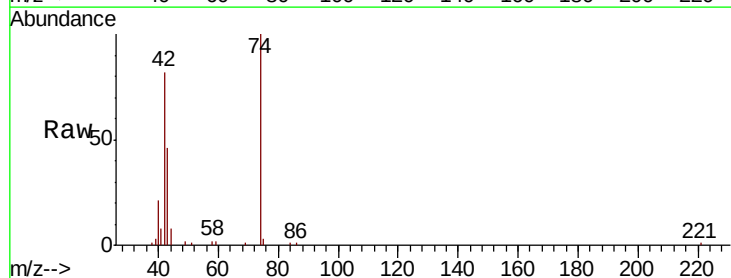
Tgt Ion: 42 Resp: 53878

Ion Ratio Lower Upper

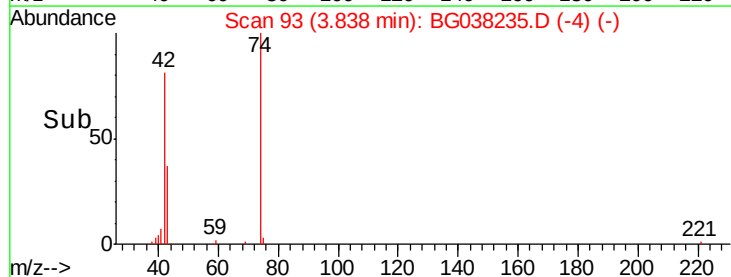
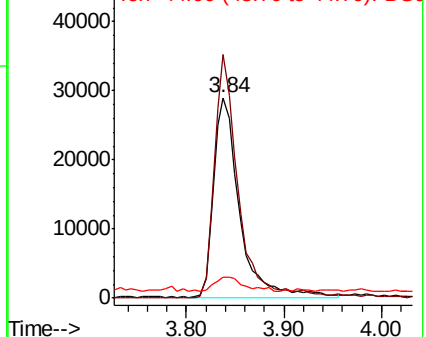
42 100

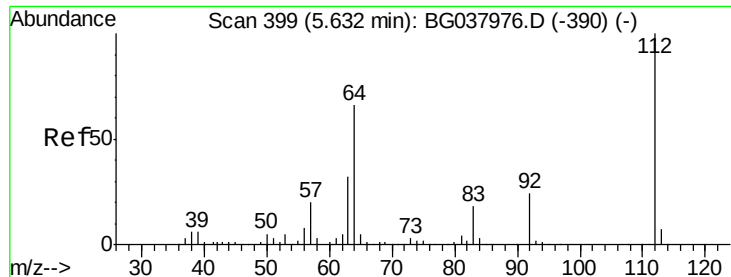
74 121.6 102.0 153.0

44 10.2 9.6 14.4



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: 150.895 ng

RT: 5.63 min Scan# 398

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampled :

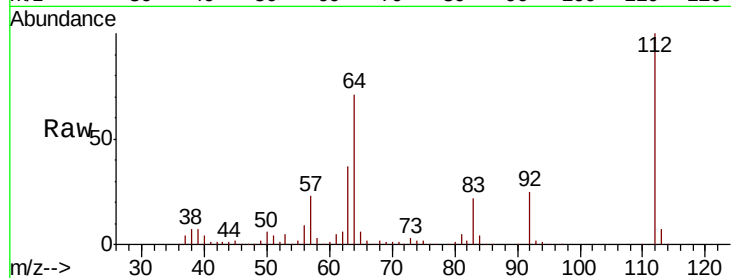
Tot Ion:112 Resp: 302171

Ion Ratio Lower Upper

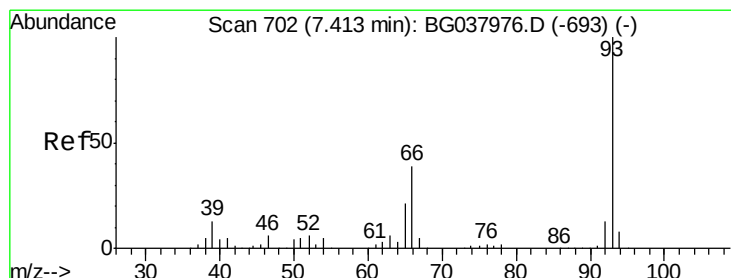
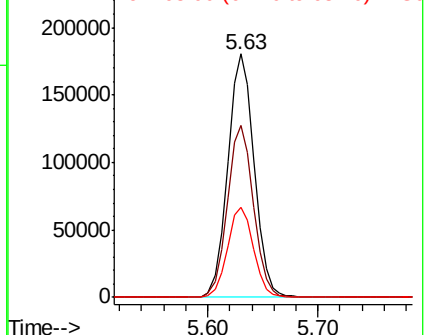
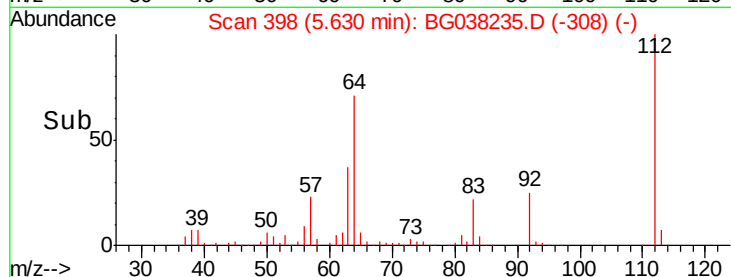
112 100

64 70.7 53.1 79.7

63 37.2 27.3 40.9



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: 33.017 ng

RT: 7.41 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

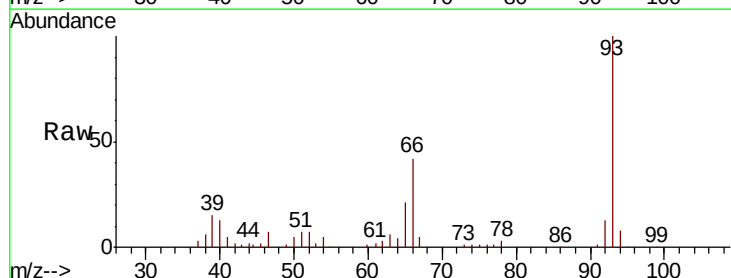
Tgt Ion: 93 Resp: 121808

Ion Ratio Lower Upper

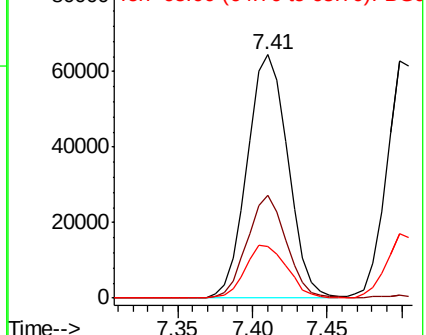
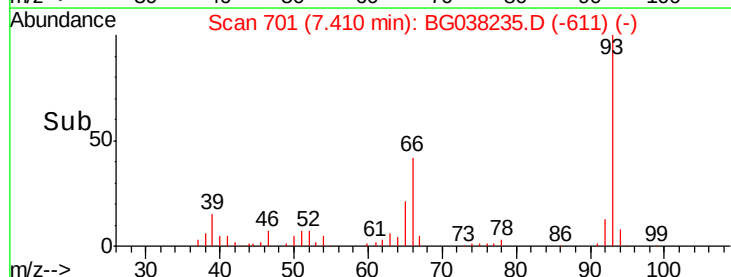
93 100

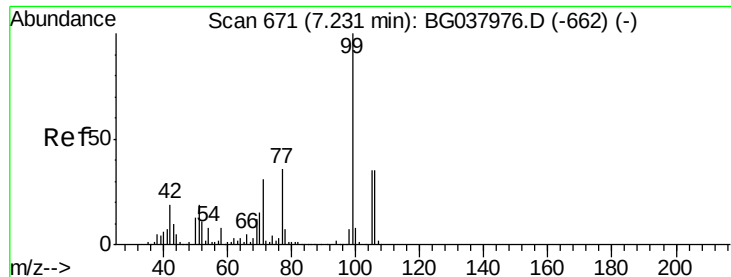
66 42.0 32.8 49.2

65 21.3 16.4 24.6



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: 144.174 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampled :

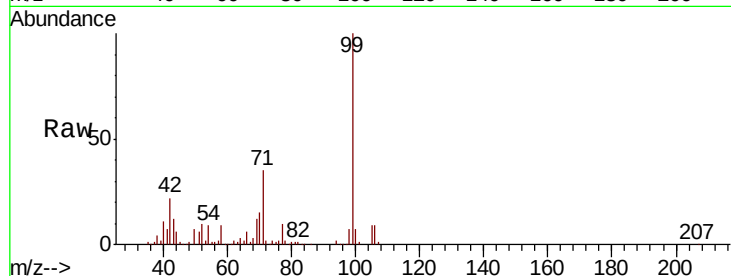
Tot Ion: 99 Resp: 412121

Ion Ratio Lower Upper

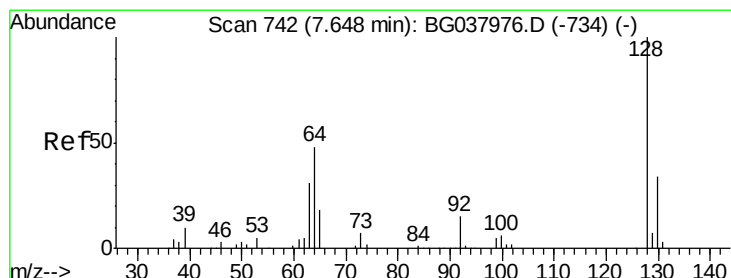
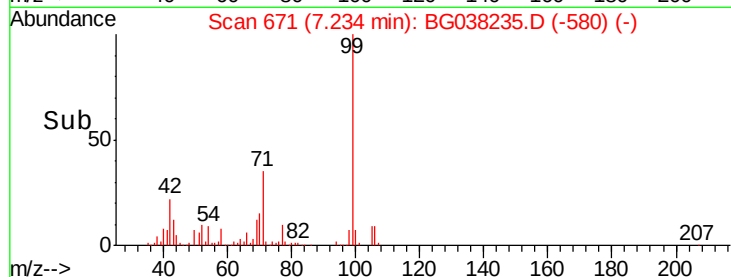
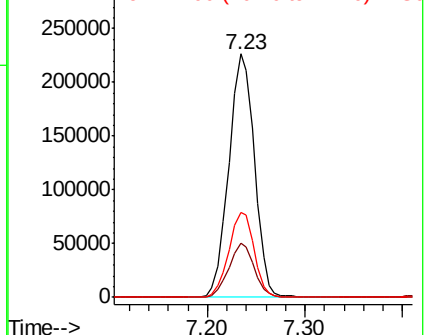
99 100

42 22.0 15.0 22.4

71 34.8 25.5 38.3



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: 48.951 ng

RT: 7.65 min Scan# 741

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

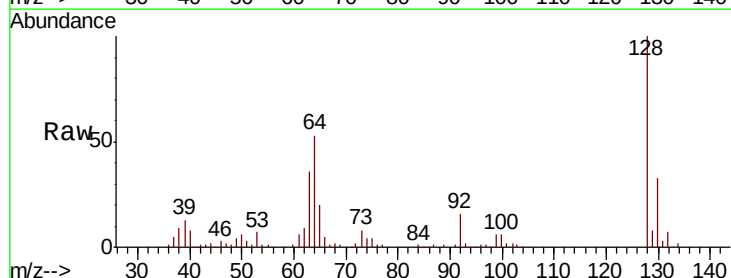
Tgt Ion: 128 Resp: 113744

Ion Ratio Lower Upper

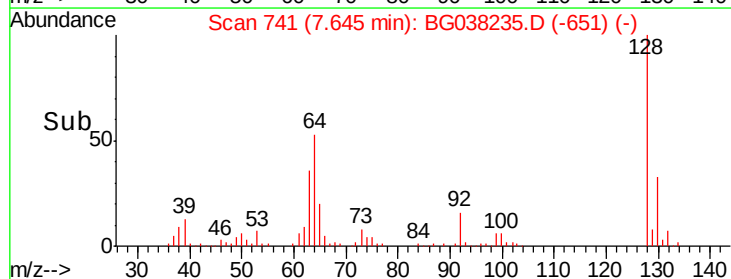
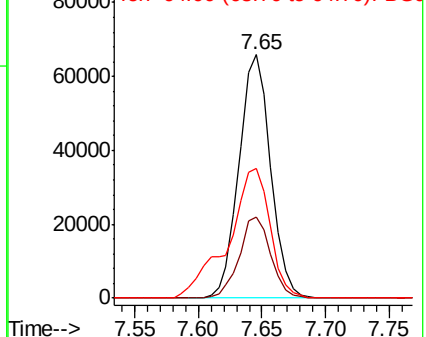
128 100

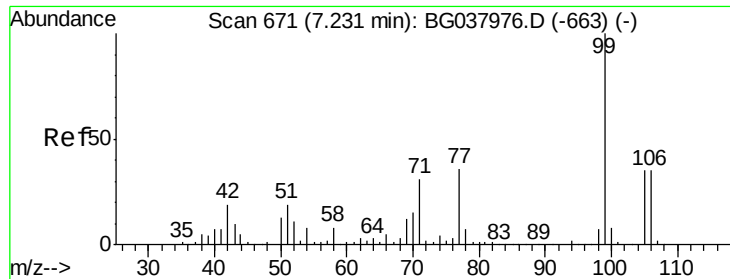
130 33.1 12.0 52.0

64 53.3 32.9 72.9



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





#9

Benzaldehyde

Concen: 28.055 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

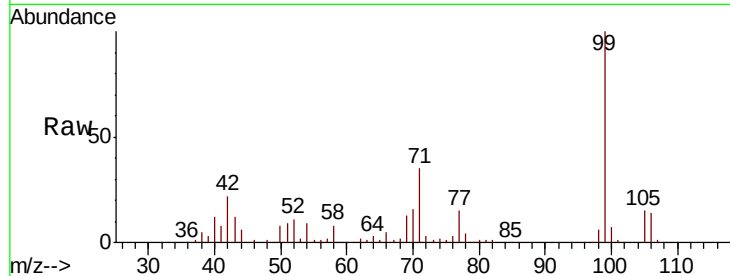
Tot Ion: 77 Resp: 57996

Ion Ratio Lower Upper

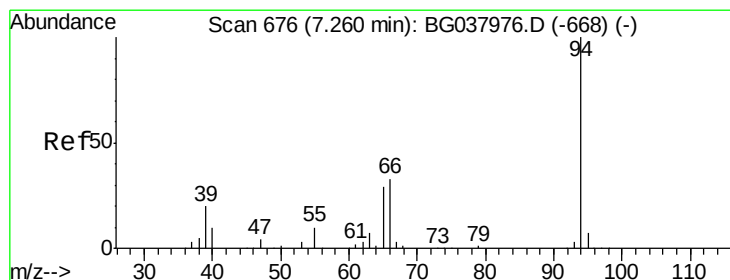
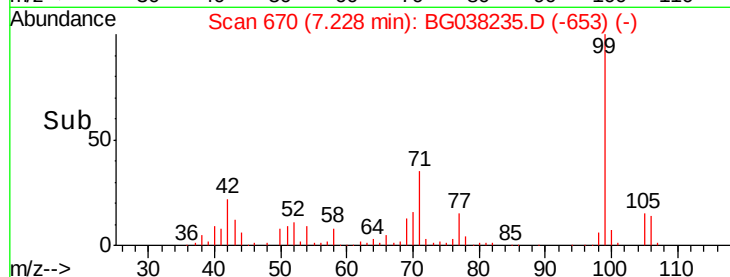
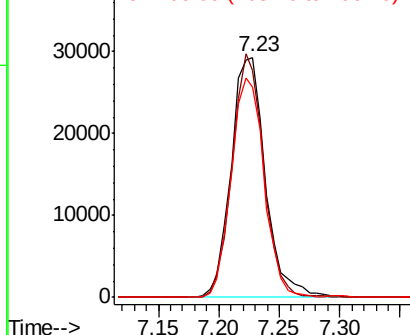
77 100

105 94.5 72.6 112.6

106 88.0 71.3 111.3



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



#10

Phenol

Concen: 48.278 ng

RT: 7.26 min Scan# 676

Delta R.T. 0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

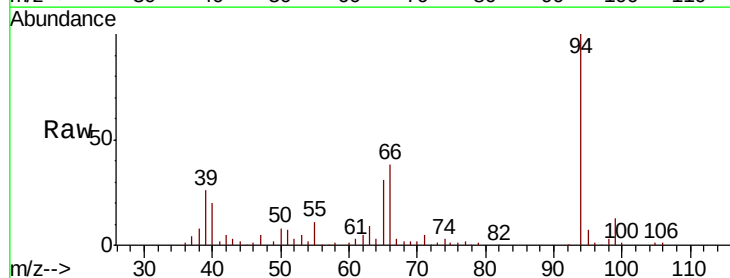
Tgt Ion: 94 Resp: 146176

Ion Ratio Lower Upper

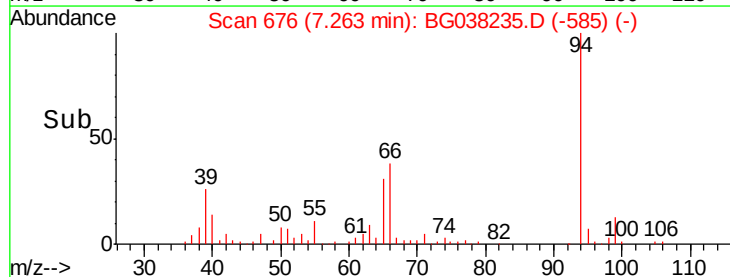
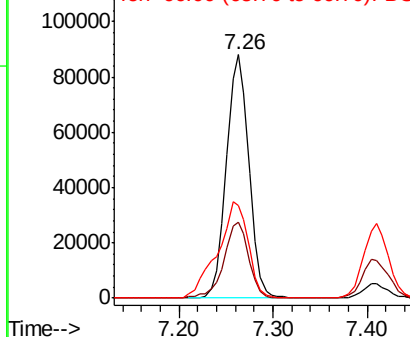
94 100

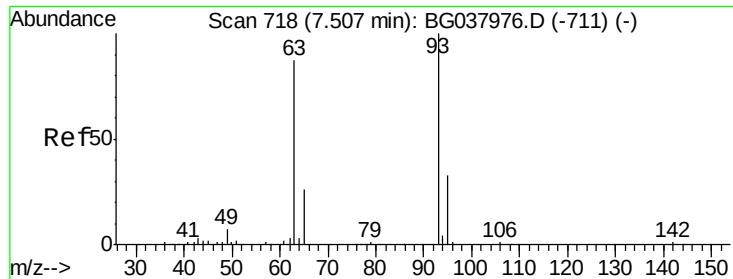
65 30.9 9.7 49.7

66 37.9 15.9 55.9



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

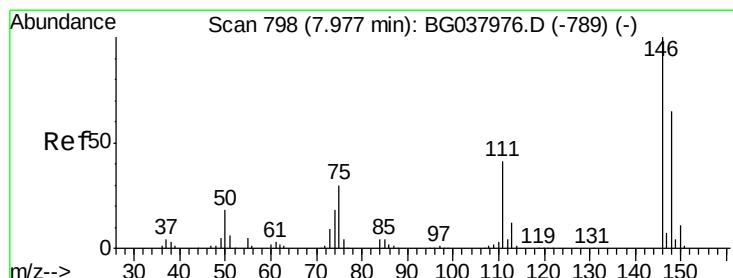
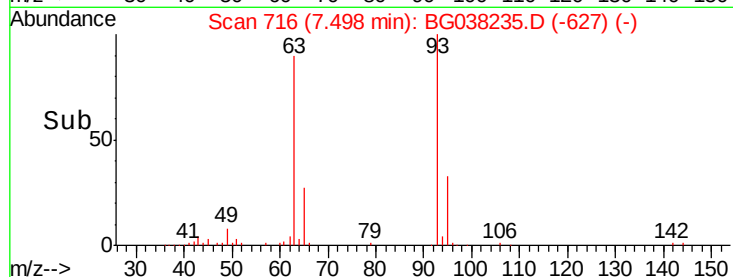
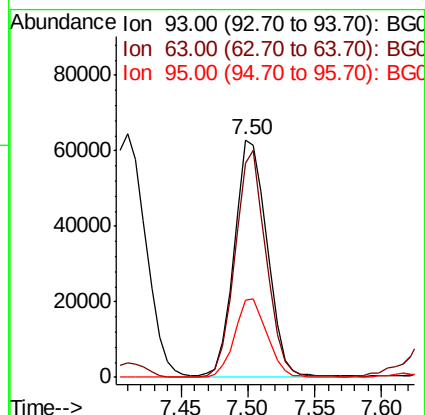
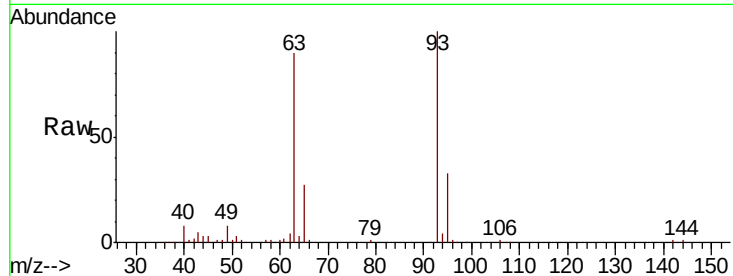




#11
 bis(2-Chloroethyl)ether
 Concen: 43.773 ng
 RT: 7.50 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

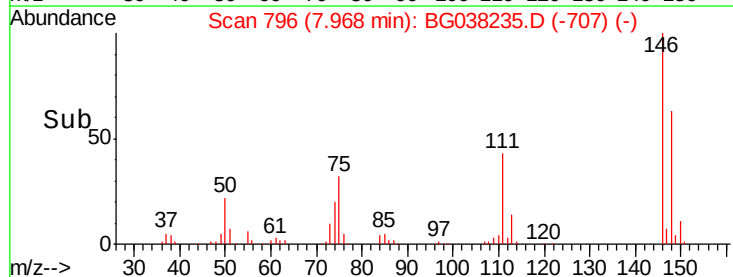
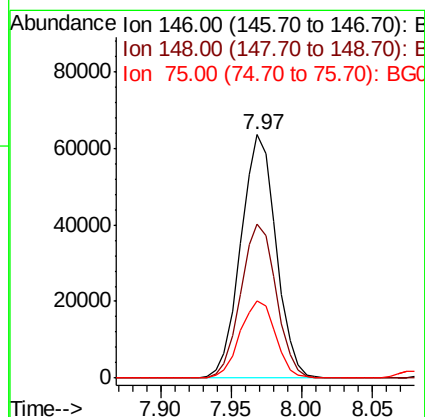
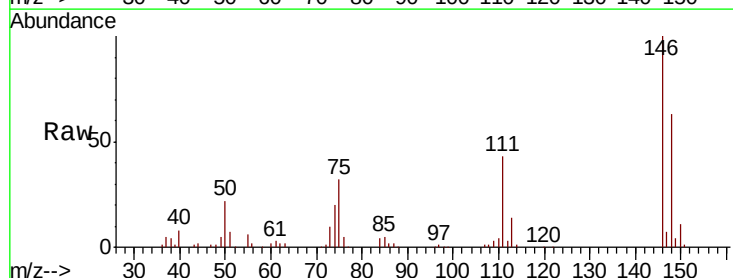
Instrument :
 BNA_F
 ClientSampleId :

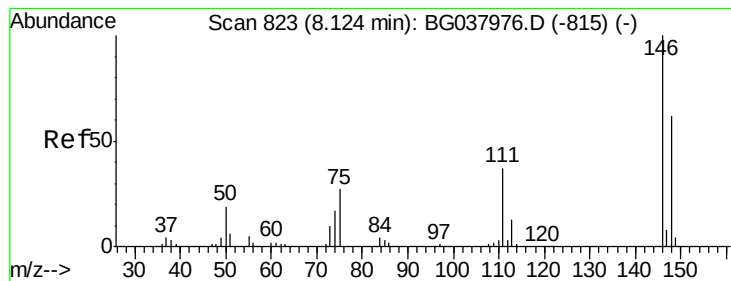
Tot Ion: 93 Resp: 108200
 Ion Ratio Lower Upper
 93 100
 63 89.8 69.5 109.5
 95 32.5 12.6 52.6



#12
 1,3-Dichlorobenzene
 Concen: 41.281 ng
 RT: 7.97 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion: 146 Resp: 110502
 Ion Ratio Lower Upper
 146 100
 148 63.1 49.8 74.8
 75 31.6 23.2 34.8





#13

1,4-Dichlorobenzene

Concen: 42.237 ng

RT: 8.12 min Scan# 822

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

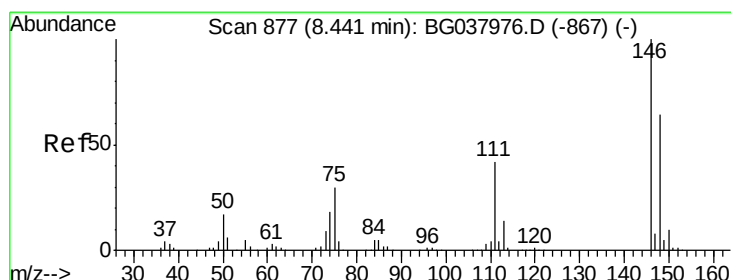
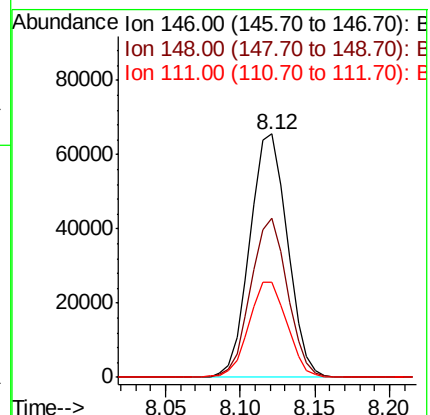
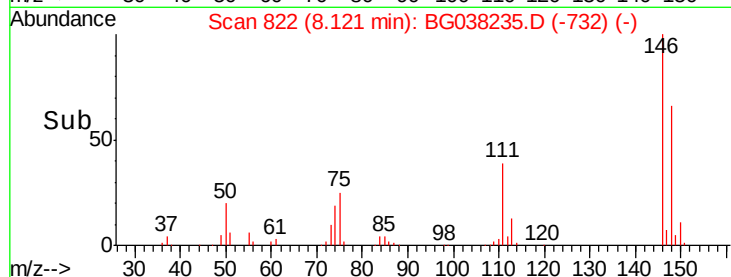
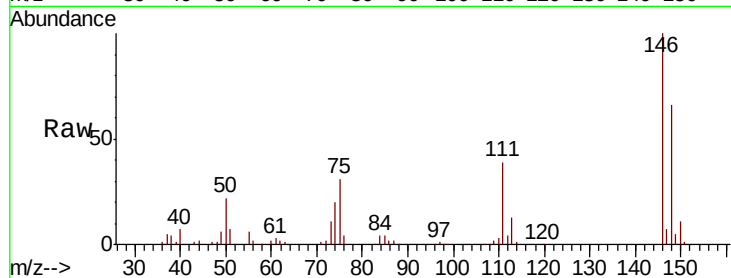
Tot Ion:146 Resp: 114211

Ion Ratio Lower Upper

146 100

148 65.6 51.0 76.6

111 39.0 32.4 48.6



#14

1,2-Dichlorobenzene

Concen: 43.479 ng

RT: 8.44 min Scan# 876

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

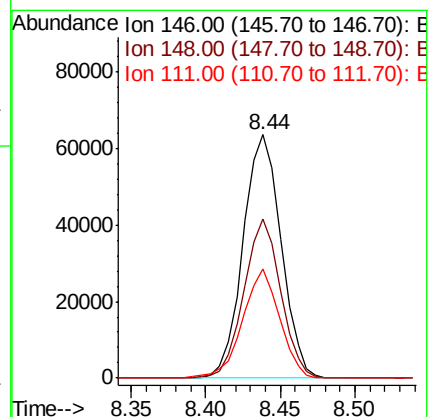
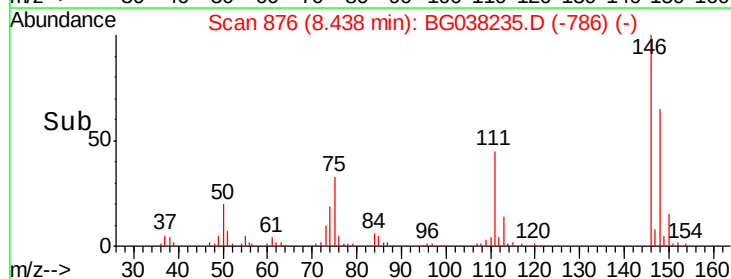
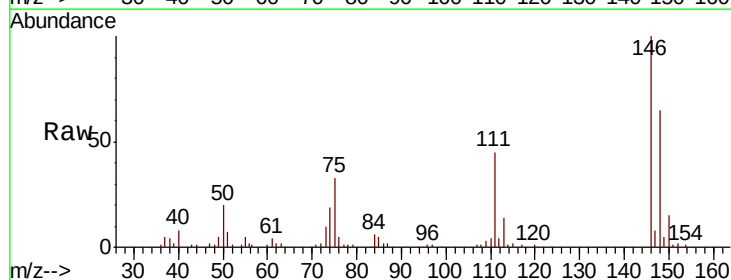
Tgt Ion:146 Resp: 112246

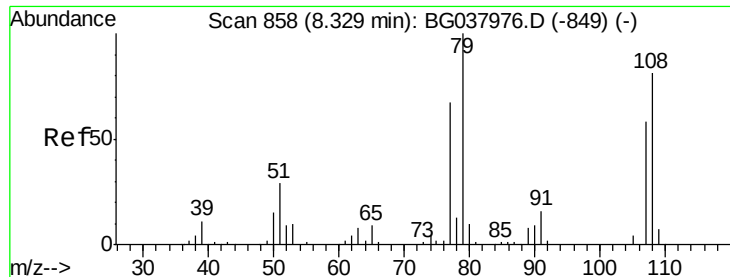
Ion Ratio Lower Upper

146 100

148 65.2 50.4 75.6

111 44.6 34.6 51.8





#15

Benzyl Alcohol

Concen: 49.874 ng

RT: 8.33 min Scan# 857

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

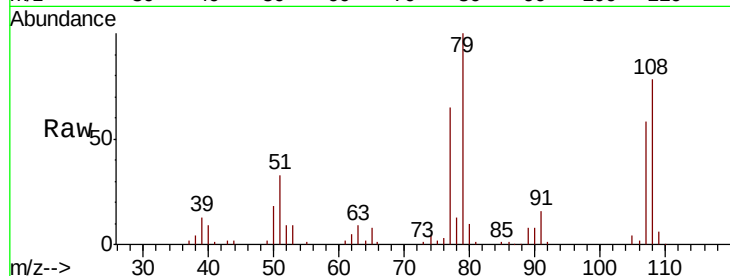
Tot Ion: 79 Resp: 103158

Ion Ratio Lower Upper

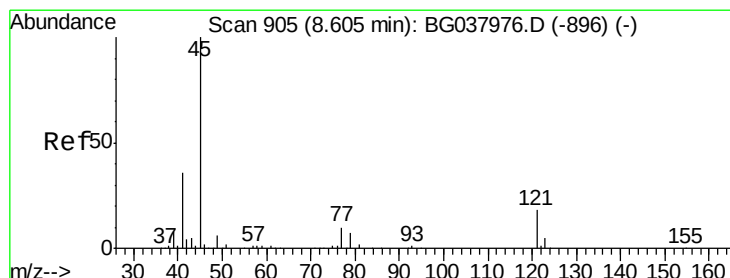
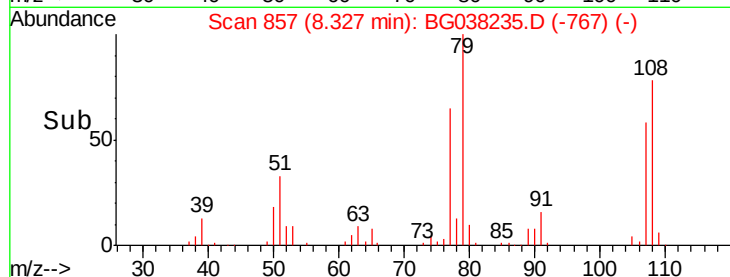
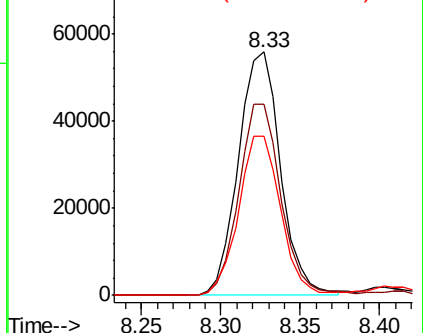
79 100

108 78.3 65.8 98.8

77 65.4 52.9 79.3



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 50.240 ng

RT: 8.60 min Scan# 904

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

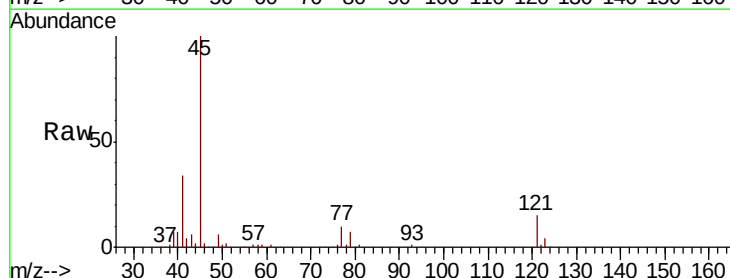
Tgt Ion: 45 Resp: 230597

Ion Ratio Lower Upper

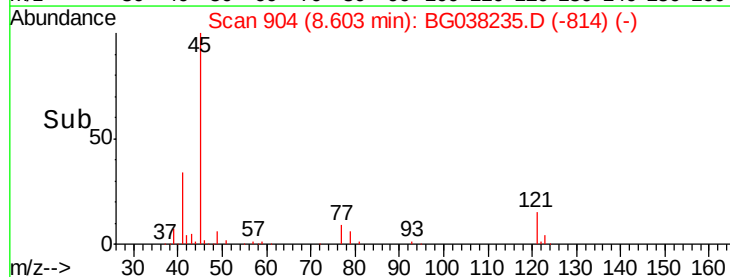
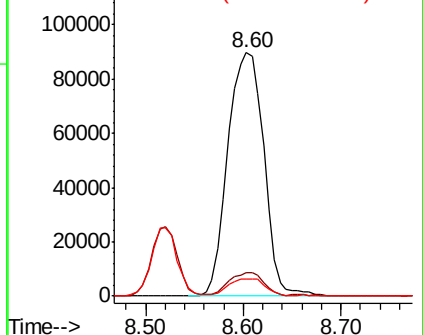
45 100

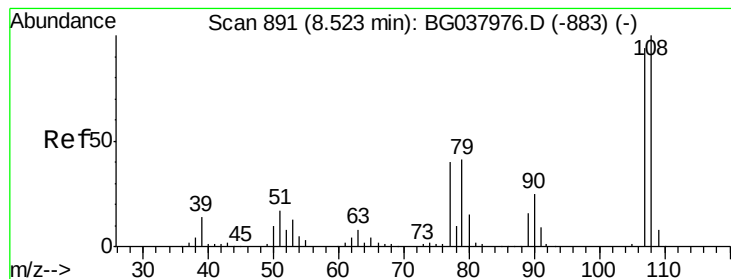
77 9.8 0.0 30.0

79 6.9 0.0 29.0



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

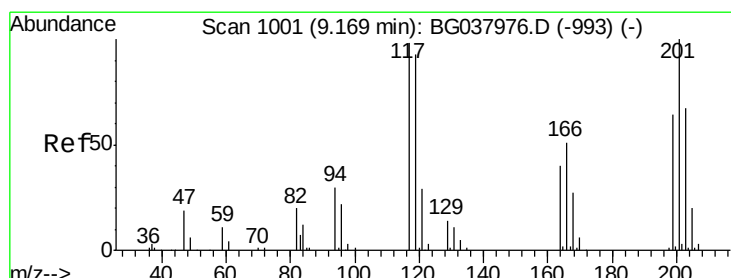
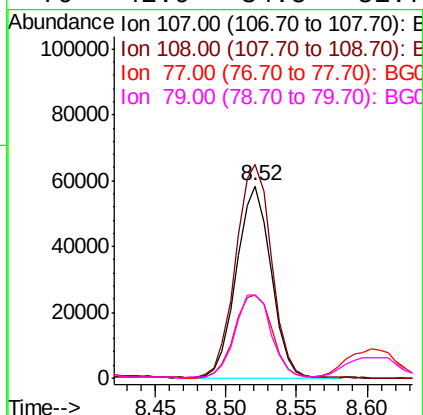
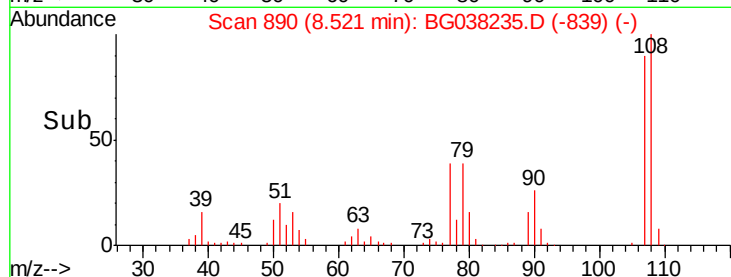
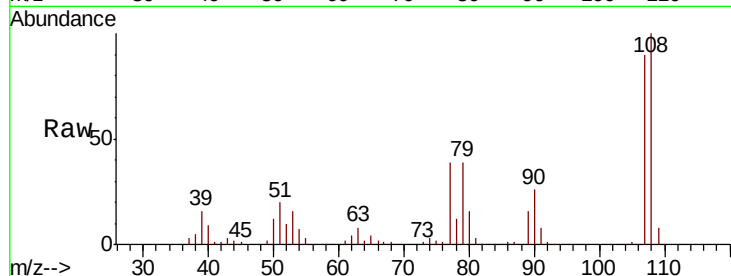




#17
2-Methylphenol
Concen: 49.129 ng
RT: 8.52 min Scan# 890
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

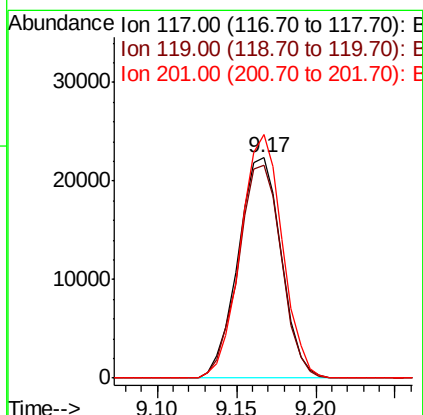
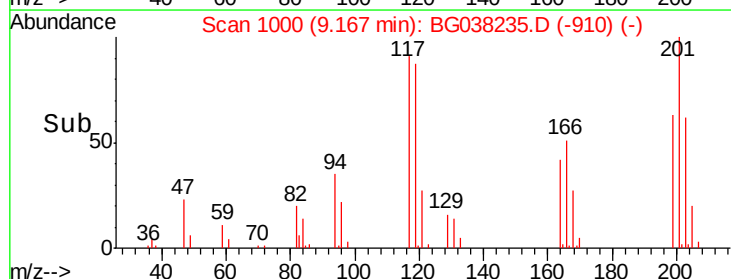
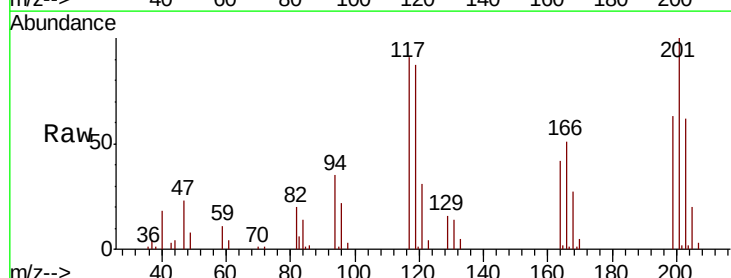
Instrument :
BNA_F
ClientSampled :

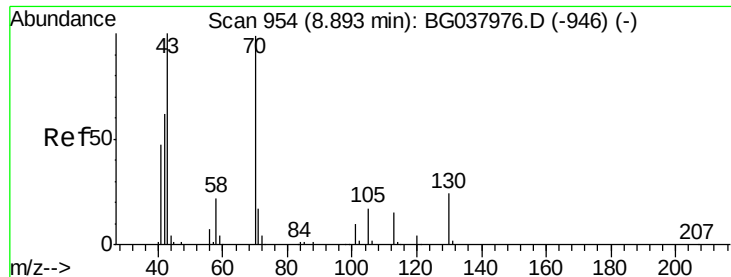
Tot Ion:	107	Resp:	100569
Ion	Ratio	Lower	Upper
107	100		
108	110.9	87.9	131.9
77	43.5	35.1	52.7
79	42.9	34.5	51.7



#18
Hexachloroethane
Concen: 42.894 ng
RT: 9.17 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion:	117	Resp:	42212
Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.6	111.8
201	112.7	80.8	121.2

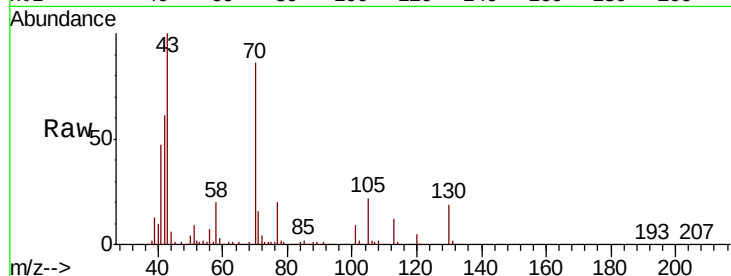




#19
n-Nitroso-di-n-propylamine
Concen: 42.828 ng
RT: 8.89 min Scan# 953
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	88584
Ion	Ratio	Lower	Upper
70	100		
42	70.9	53.9	80.9
101	10.7	8.2	12.2
130	22.5	18.2	27.4



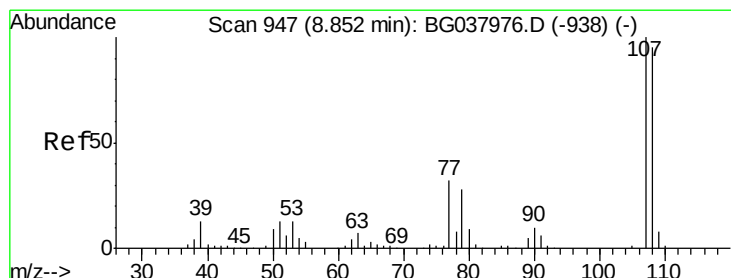
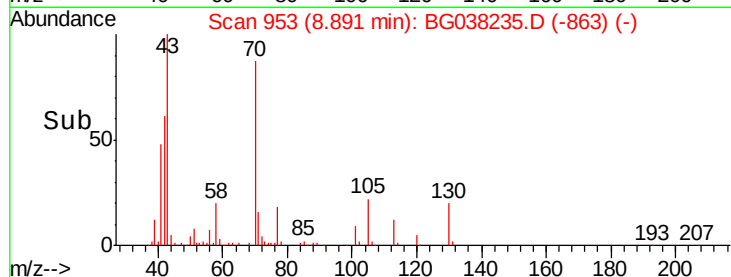
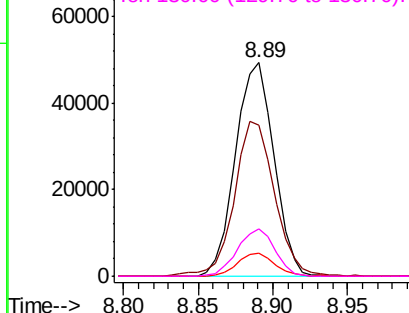
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

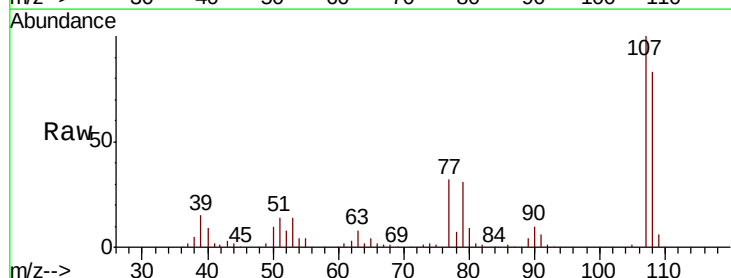
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 48.209 ng
RT: 8.85 min Scan# 946
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion:	107	Resp:	139897
Ion	Ratio	Lower	Upper
107	100		
108	83.4	69.9	109.9
77	32.1	11.2	51.2
79	30.5	6.6	46.6



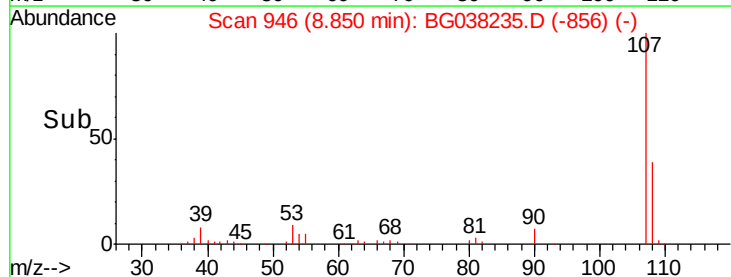
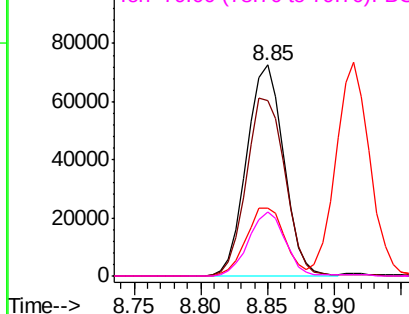
Abundance

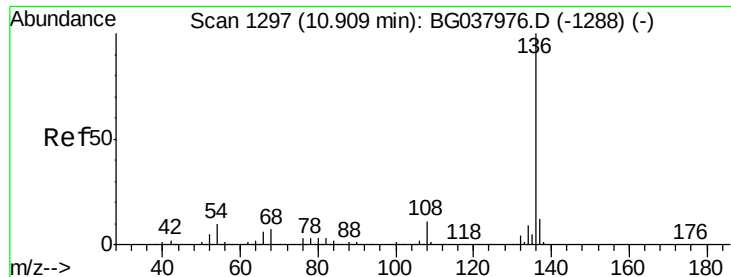
Ion 107.00 (106.70 to 107.70): BGC

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: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 151686

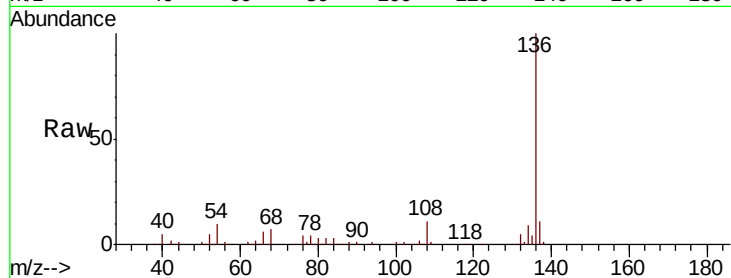
Ion Ratio Lower Upper

136 100

137 11.0 9.6 14.4

54 10.3 7.9 11.9

68 6.7 4.8 7.2

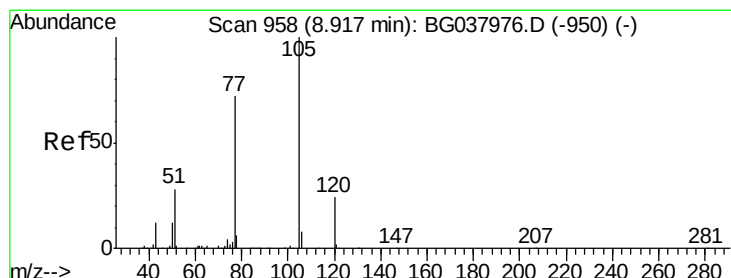
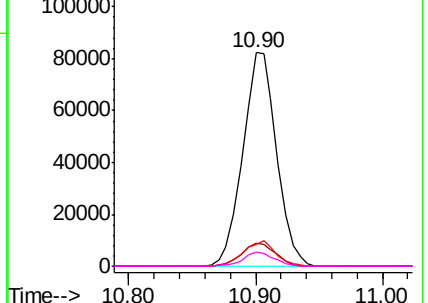
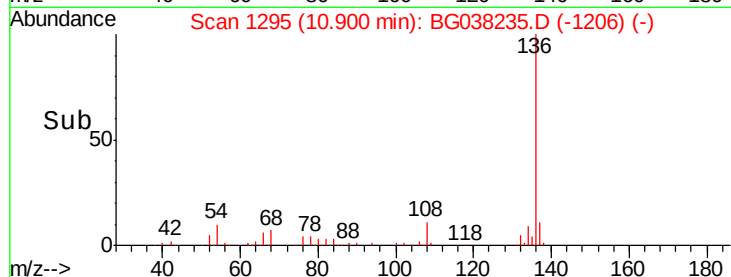


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.655 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Tgt Ion:105 Resp: 164757

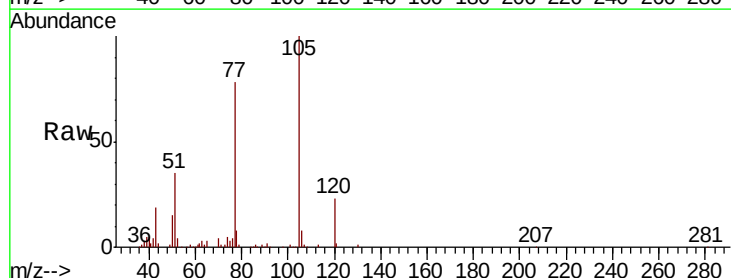
Ion Ratio Lower Upper

105 100

71 0.7 1.2 1.8#

51 34.6 25.0 37.6

120 23.4 18.6 28.0

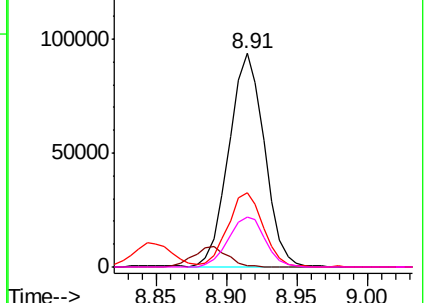
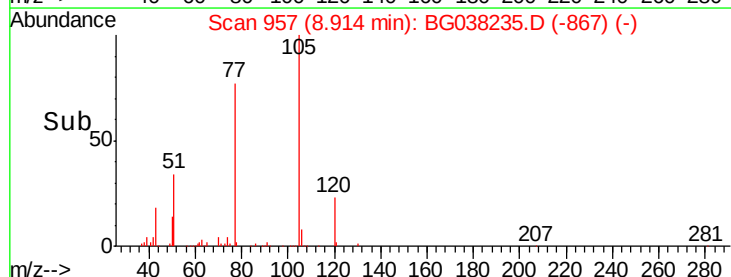


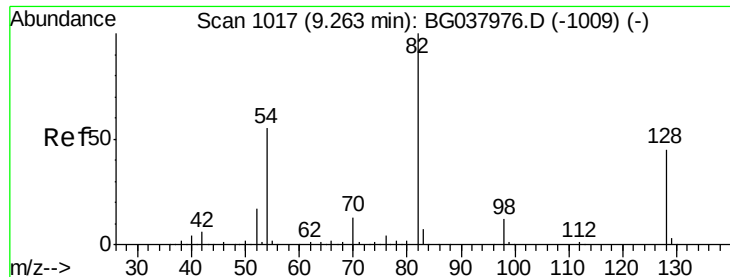
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

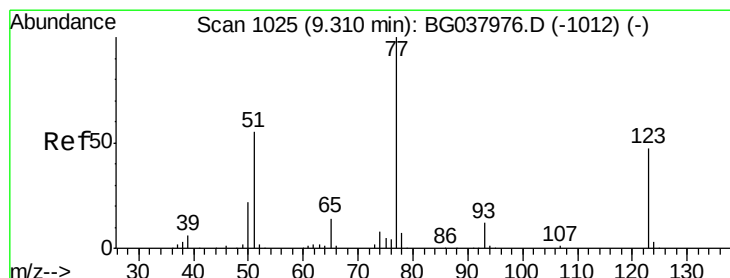
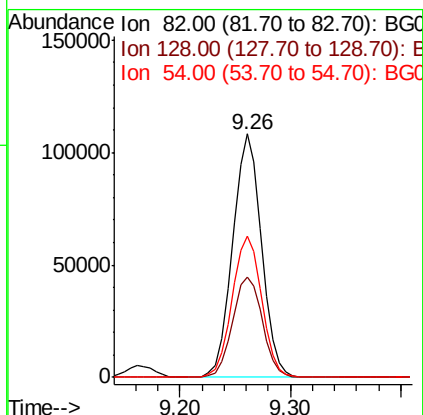
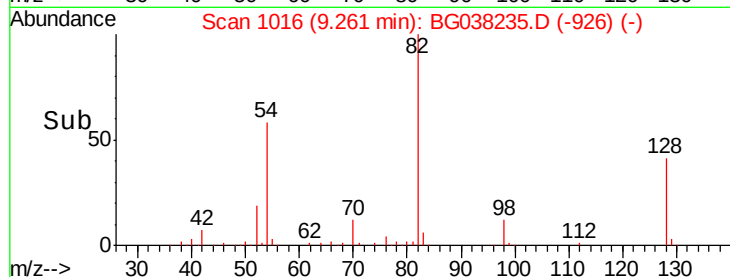
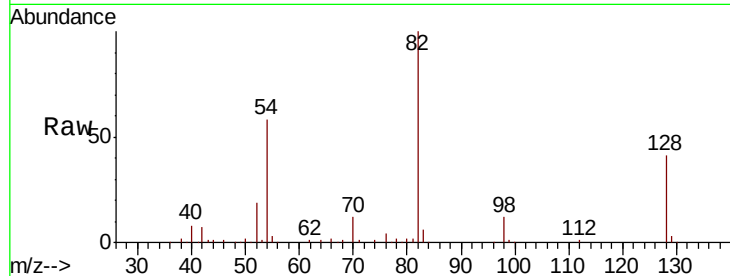




#23
 Nitrobenzene-d5
 Concen: 70.092 ng
 RT: 9.26 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

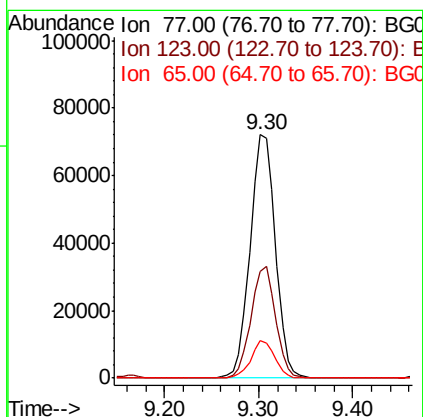
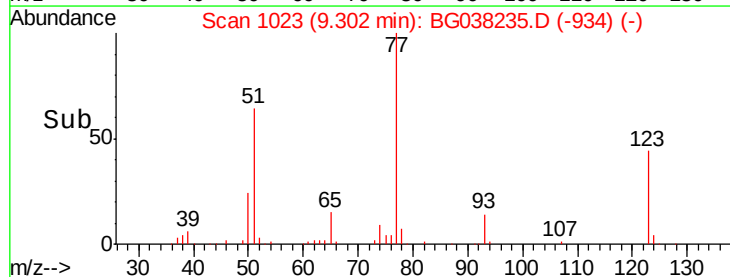
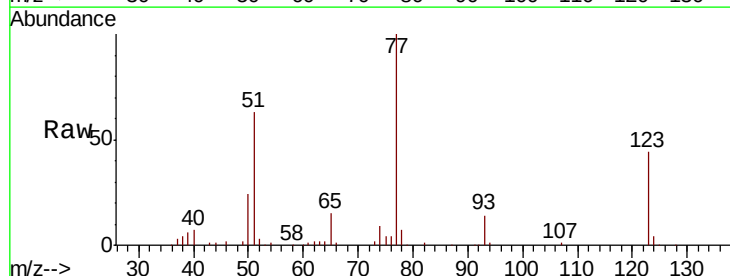
Instrument :
 BNA_F
 ClientSampled :

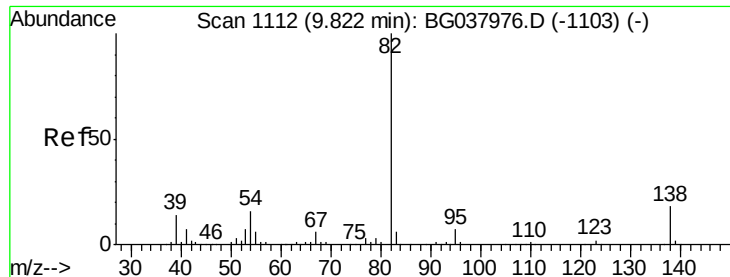
Tot Ion	82	Resp	198615
Ion Ratio	100	Lower	Upper
128	41.3	34.6	51.8
54	58.0	45.3	67.9



#24
 Nitrobenzene
 Concen: 46.436 ng
 RT: 9.30 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion	77	Resp	134605
Ion Ratio	100	Lower	Upper
123	43.6	33.6	50.4
65	15.3	11.3	16.9





#25

Isophorone

Concen: 47.959 ng

RT: 9.82 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

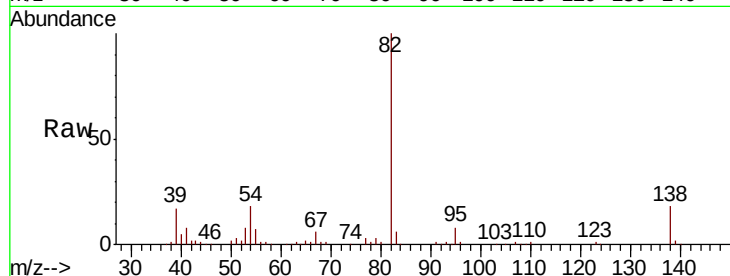
Tot Ion: 82 Resp: 244606

Ion Ratio Lower Upper

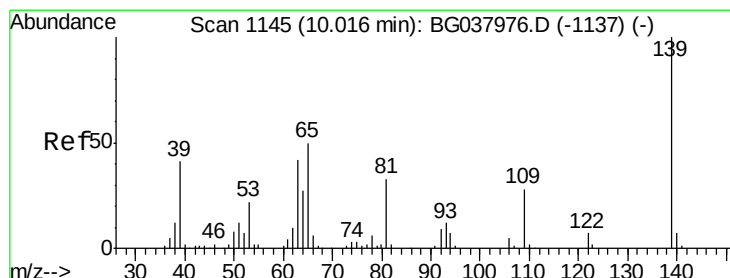
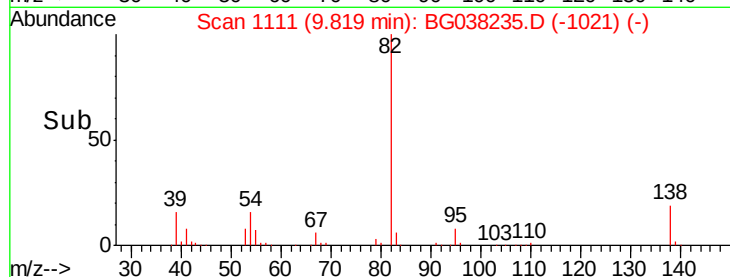
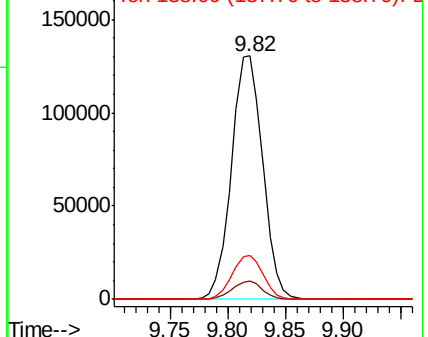
82 100

95 7.7 5.3 7.9

138 18.0 13.3 19.9



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



#26

2-Nitrophenol

Concen: 45.157 ng

RT: 10.01 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

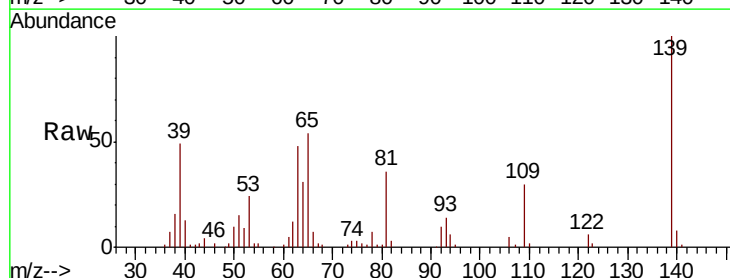
Tgt Ion: 139 Resp: 65347

Ion Ratio Lower Upper

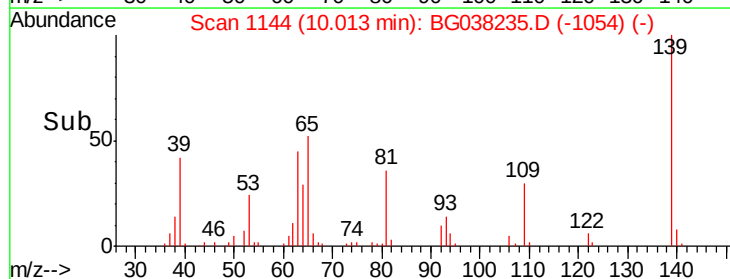
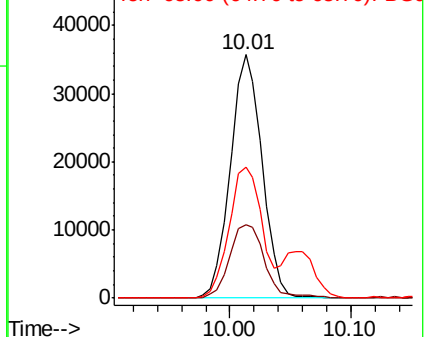
139 100

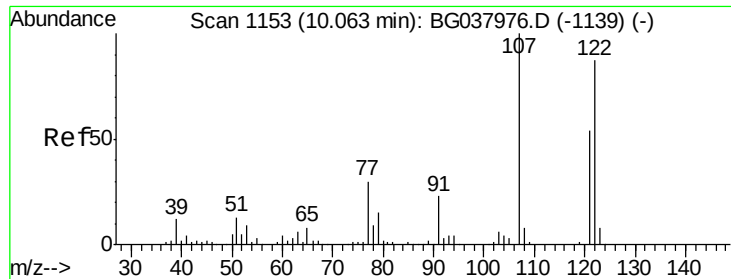
109 29.9 23.3 34.9

65 53.5 39.8 59.8



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

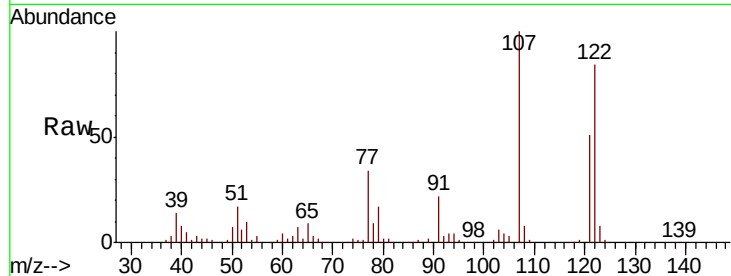




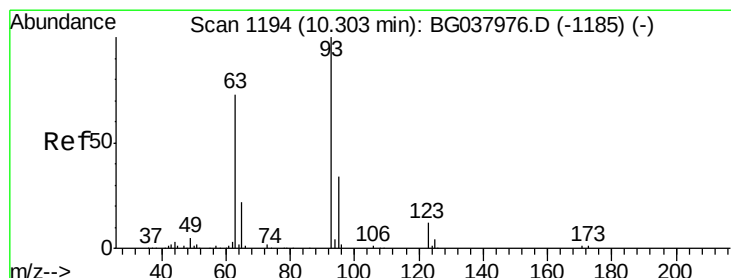
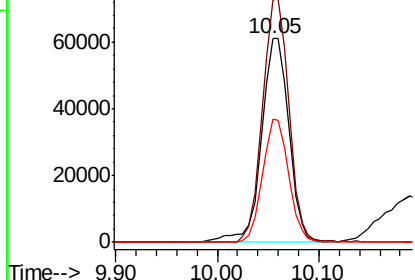
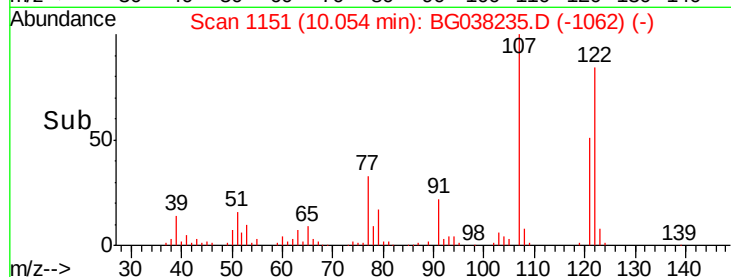
#27
 2,4-Dimethylphenol
 Concen: 52.738 ng
 RT: 10.05 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:122 Resp: 114986
 Ion Ratio Lower Upper
 122 100
 107 119.2 94.2 141.2
 121 60.7 47.3 70.9

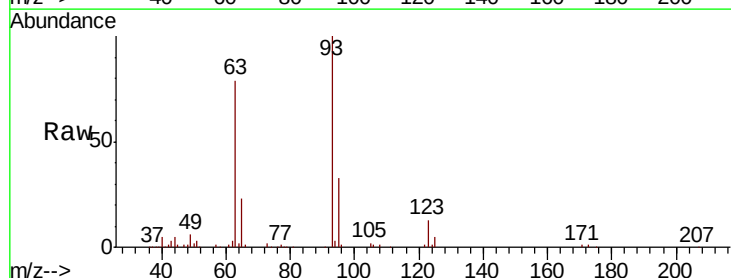


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

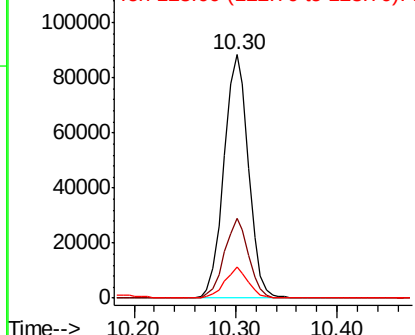
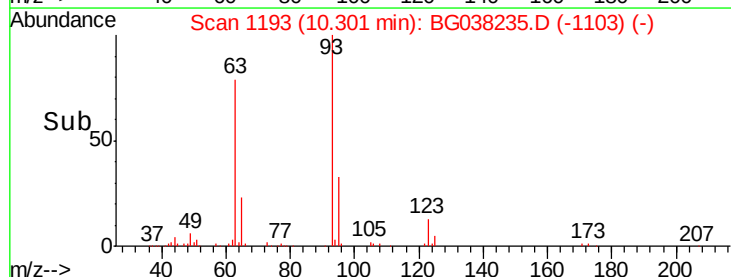


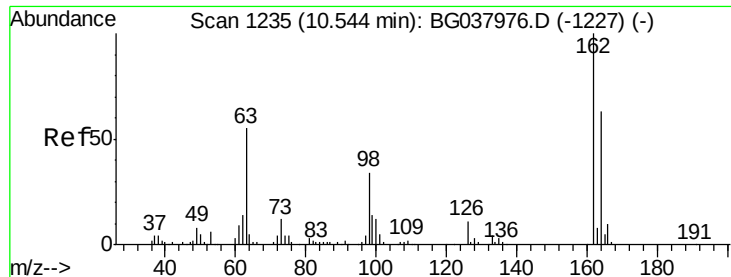
#28
 bis(2-Chloroethoxy)methane
 Concen: 45.475 ng
 RT: 10.30 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion: 93 Resp: 148310
 Ion Ratio Lower Upper
 93 100
 95 32.7 24.6 37.0
 123 12.9 9.1 13.7



Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 123.00 (122.70 to 123.70): E

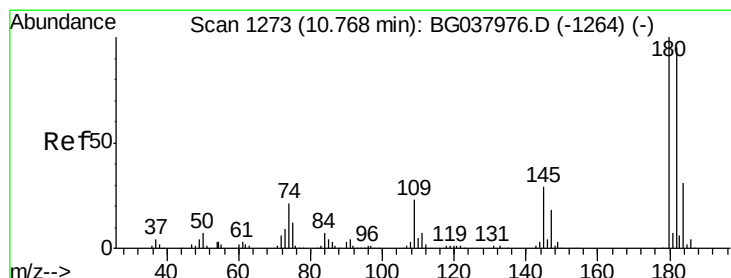
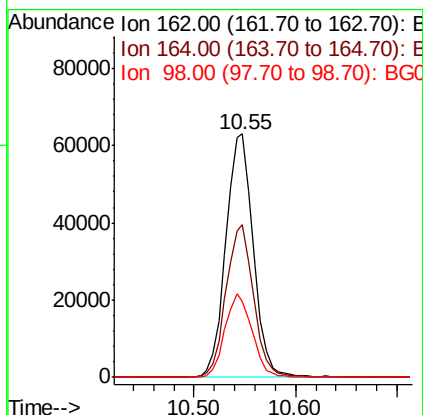
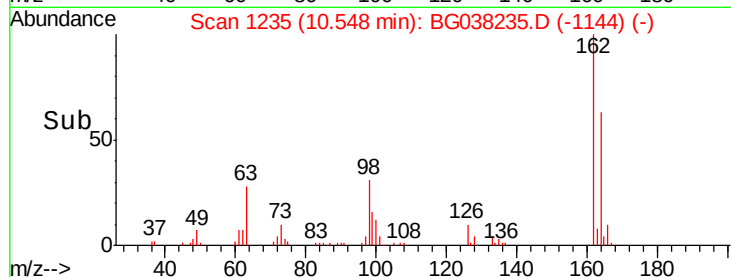
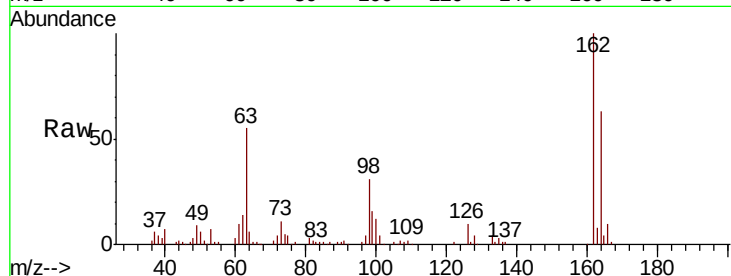




#29
 2,4-Dichlorophenol
 Concen: 48.335 ng
 RT: 10.55 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

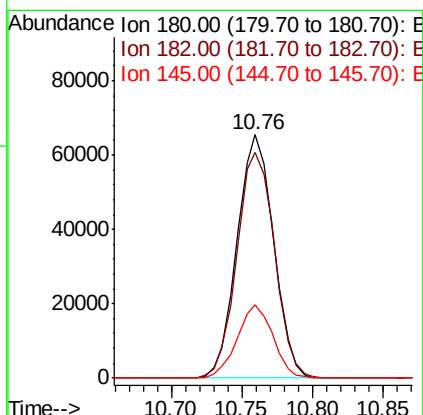
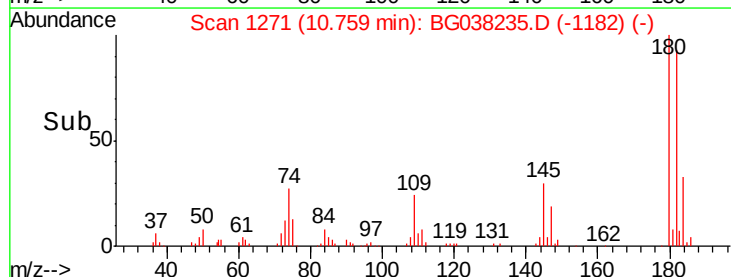
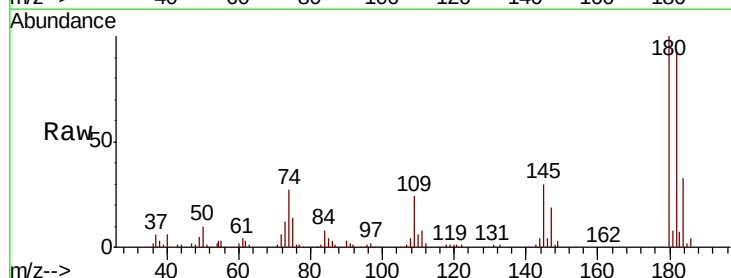
Instrument :
 BNA_F
 ClientSampleId :

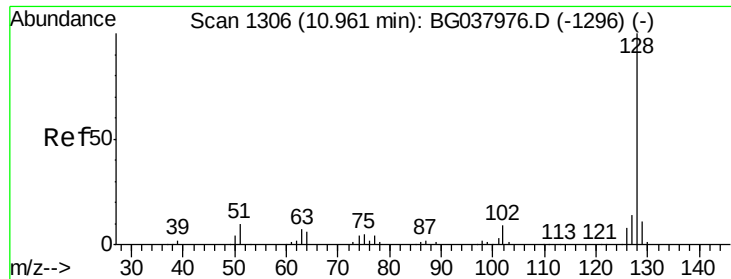
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.0	43.2	83.2
98	31.2	16.0	56.0



#30
 1,2,4-Trichlorobenzene
 Concen: 43.097 ng
 RT: 10.76 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	77.7	116.5
145	29.9	23.3	34.9

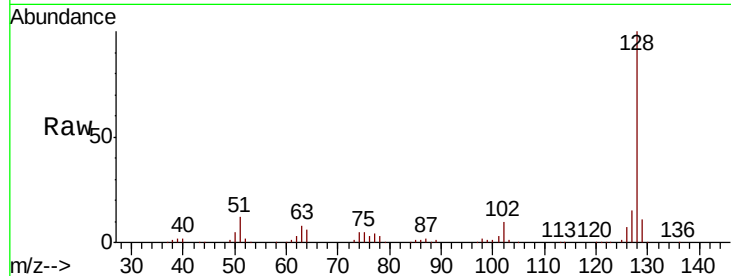




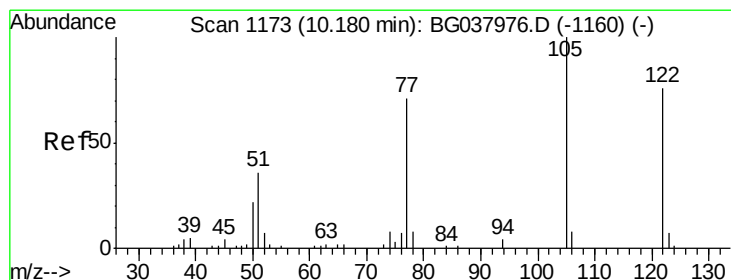
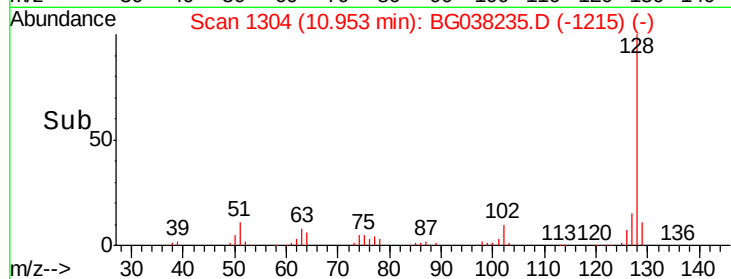
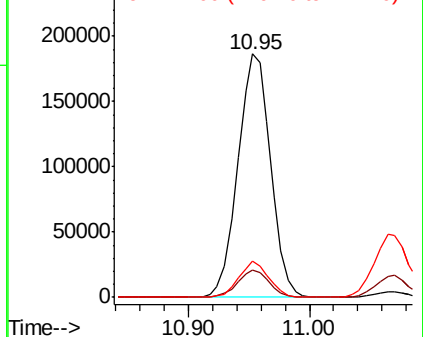
#31
Naphthalene
Concen: 46.955 ng
RT: 10.95 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 350316
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 14.7 11.1 16.7

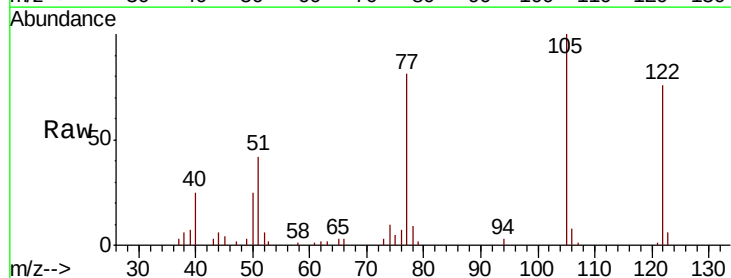


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

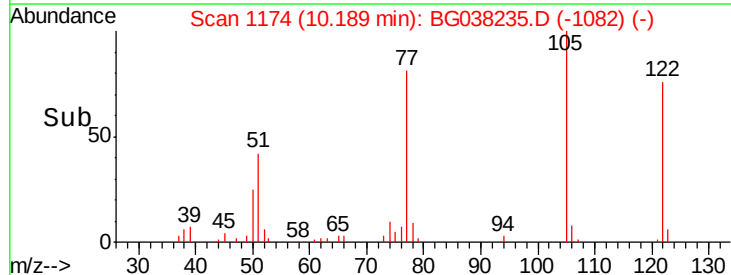
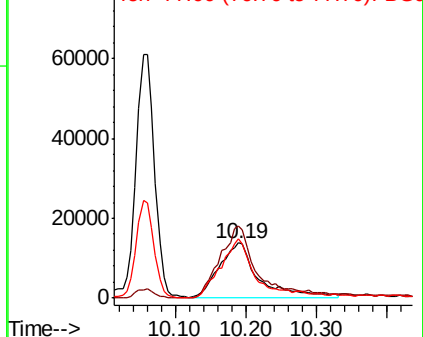


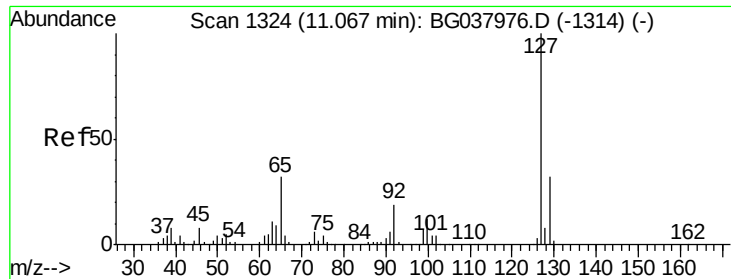
#32
Benzoic acid
Concen: 39.352 ng
RT: 10.19 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion:122 Resp: 51048
Ion Ratio Lower Upper
122 100
105 132.3 106.7 146.7
77 107.7 72.2 112.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGO

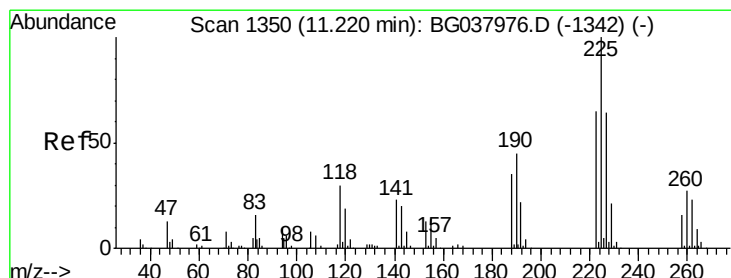
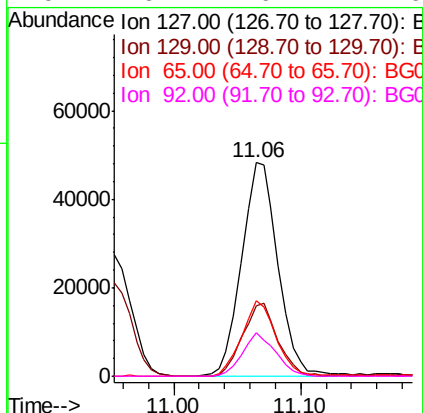
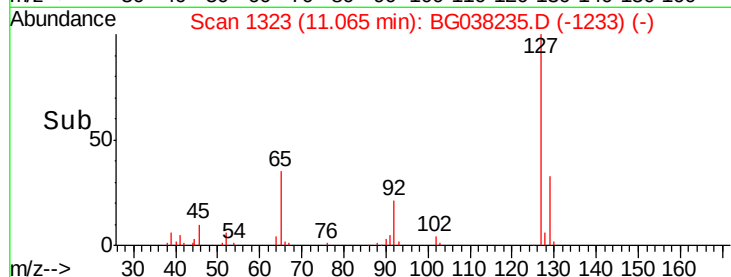
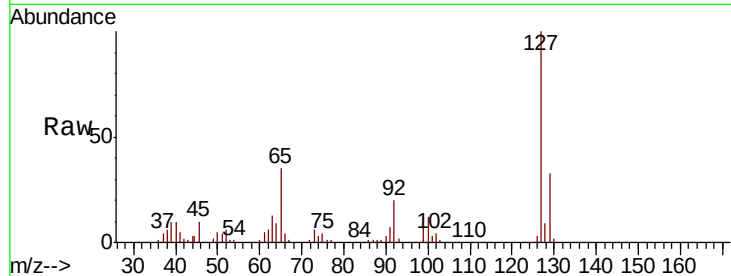




#33
4-Chloroaniline
Concen: 27.642 ng
RT: 11.06 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

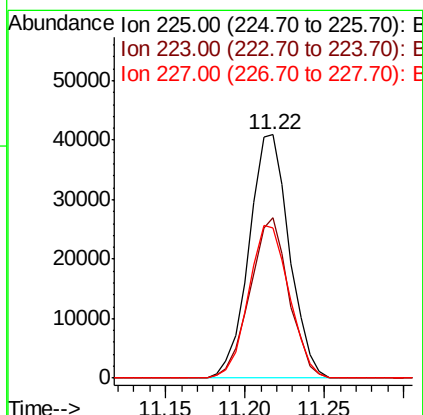
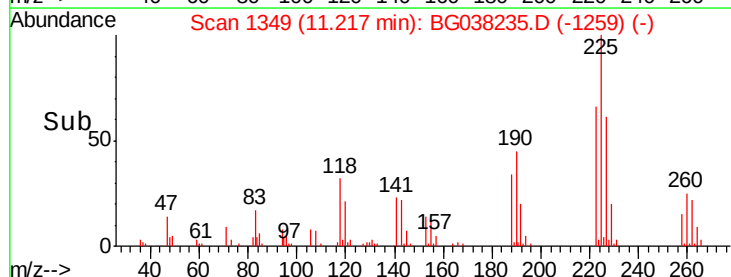
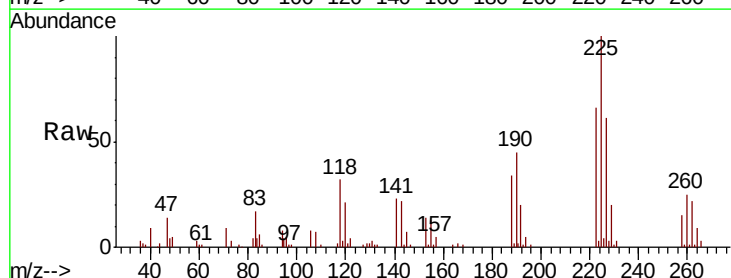
Instrument :
BNA_F
ClientSampleId :

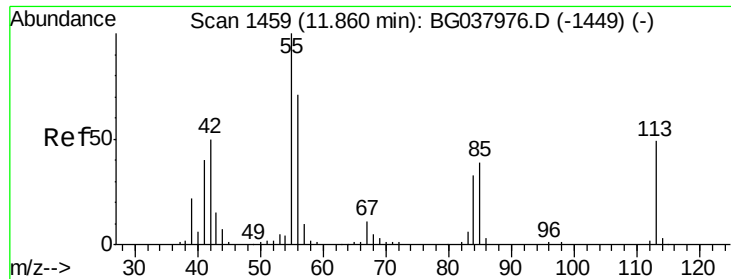
Tot Ion:	127	Resp:	95929
Ion	Ratio	Lower	Upper
127	100		
129	32.9	27.1	40.7
65	35.1	26.6	39.8
92	20.4	16.4	24.6



#34
Hexachlorobutadiene
Concen: 42.725 ng
RT: 11.22 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion:	225	Resp:	72265
Ion	Ratio	Lower	Upper
225	100		
223	66.0	48.2	72.4
227	62.1	51.6	77.4

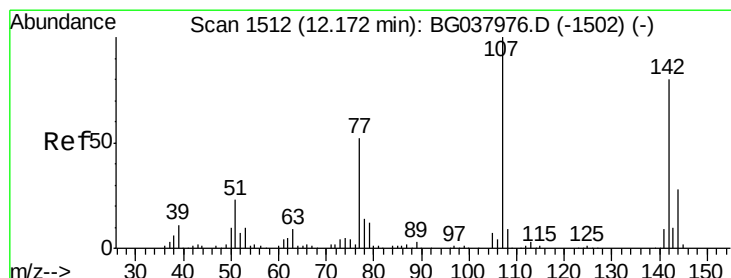
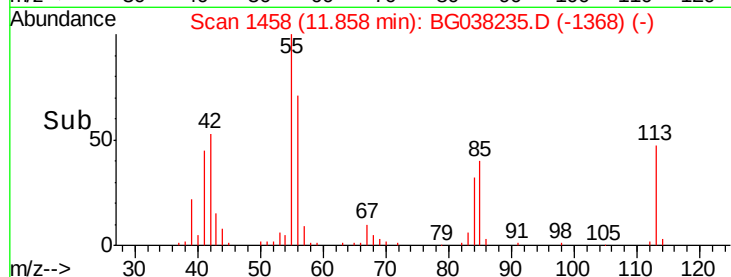
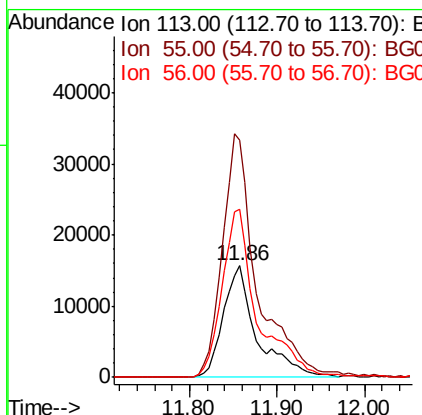
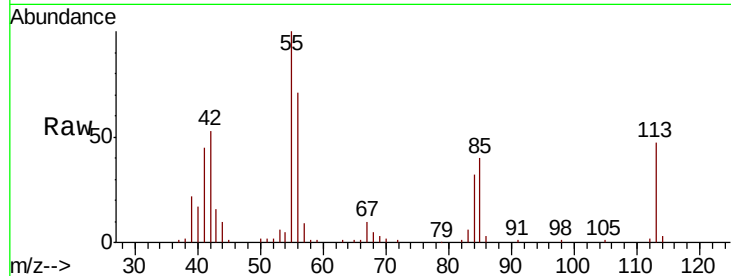




#35
 Caprolactam
 Concen: 42.177 ng
 RT: 11.86 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

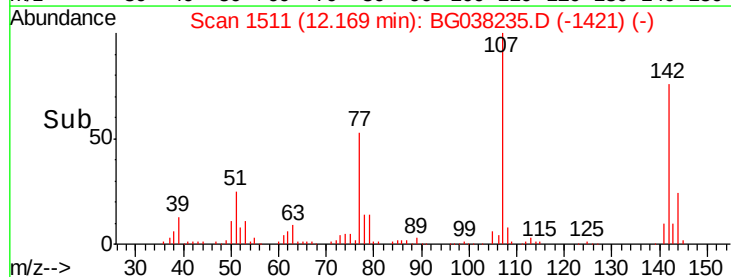
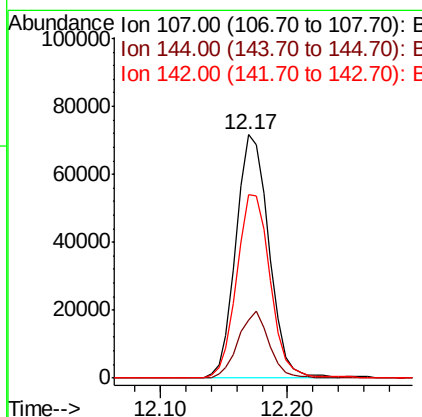
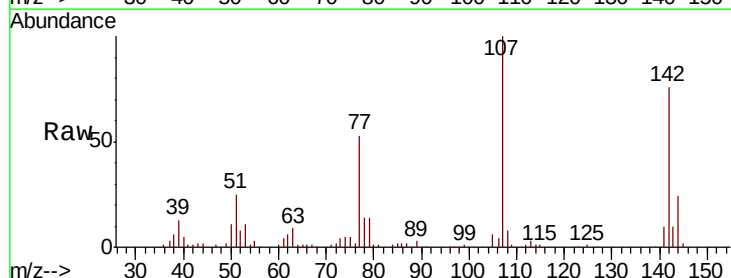
Instrument :
 BNA_F
 ClientSampled :

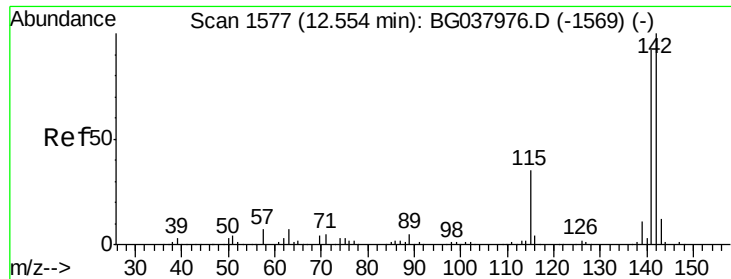
Tot Ion:113 Resp: 41403
 Ion Ratio Lower Upper
 113 100
 55 212.8 176.6 216.6
 56 151.3 128.3 168.3



#36
 4-Chloro-3-methylphenol
 Concen: 48.389 ng
 RT: 12.17 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion:107 Resp: 129650
 Ion Ratio Lower Upper
 107 100
 144 23.9 20.7 31.1
 142 75.6 64.4 96.6

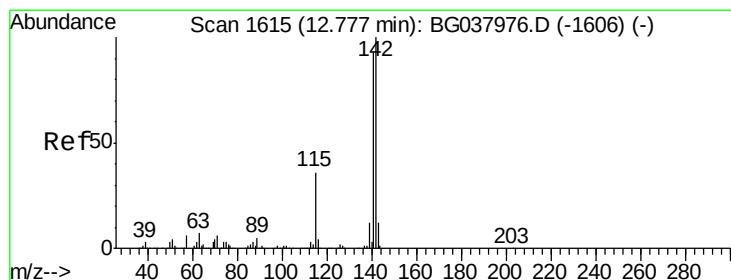
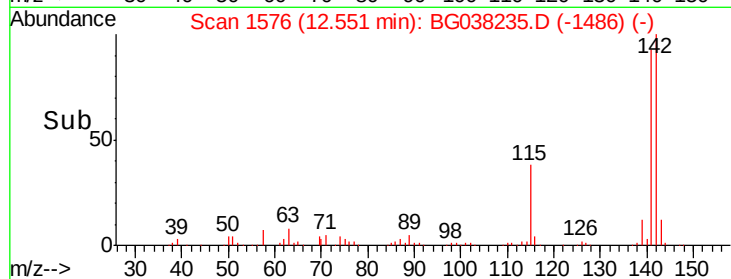
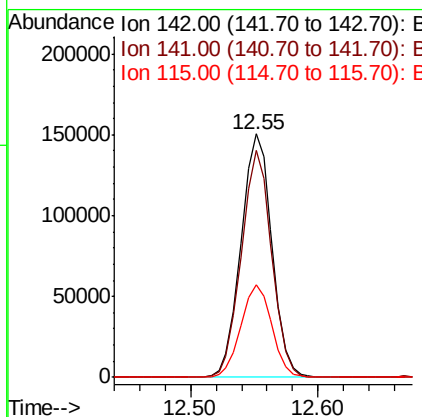
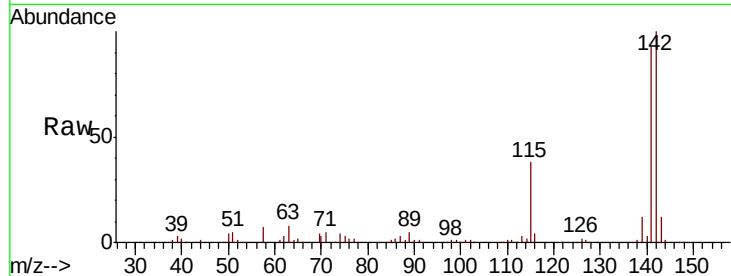




#37
2-Methylnaphthalene
Concen: 47.320 ng
RT: 12.55 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

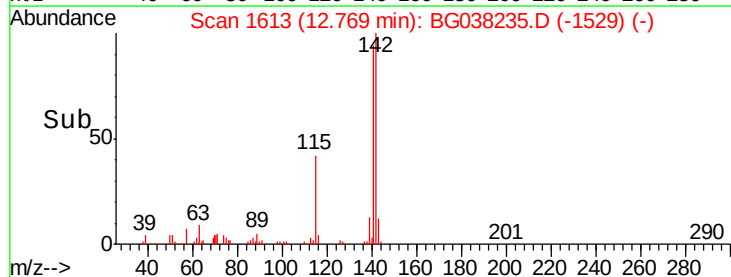
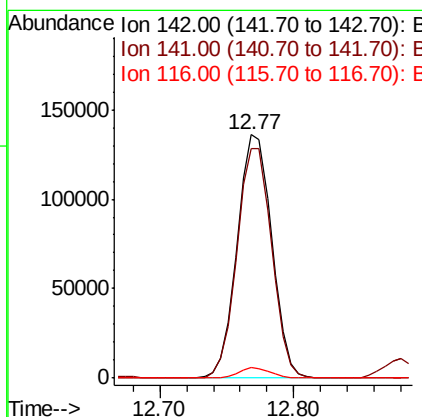
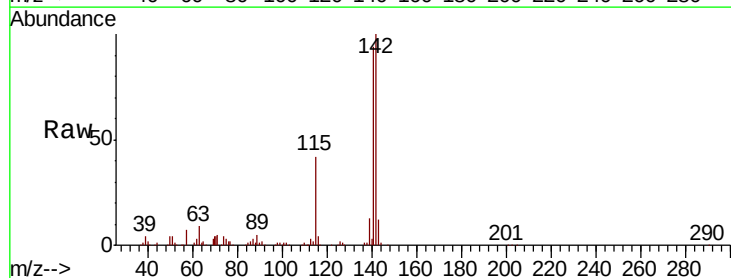
Instrument :
BNA_F
ClientSampleId :

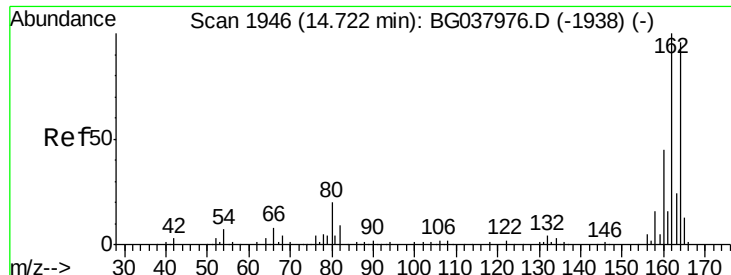
Tot Ion	Ratio	Lower	Upper
142	100		
141	93.2	71.9	107.9
115	37.9	27.8	41.8



#38
1-Methylnaphthalene
Concen: 47.106 ng
RT: 12.77 min Scan# 1613
Delta R.T. -0.01 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	75.2	112.8
116	4.4	3.3	4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

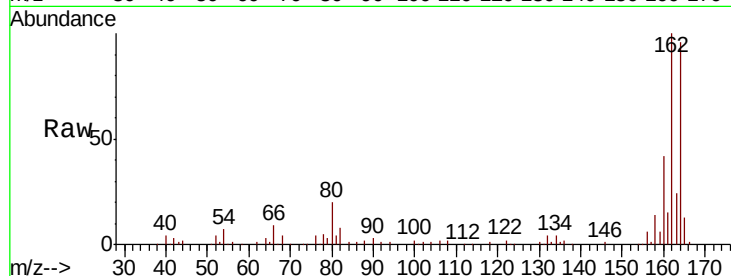
Tot Ion:164 Resp: 95193

Ion Ratio Lower Upper

164 100

162 103.8 81.3 121.9

160 43.2 36.3 54.5

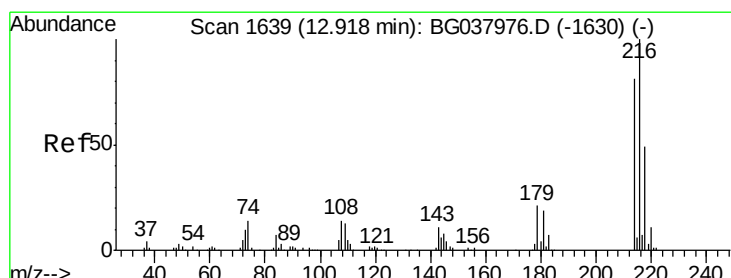
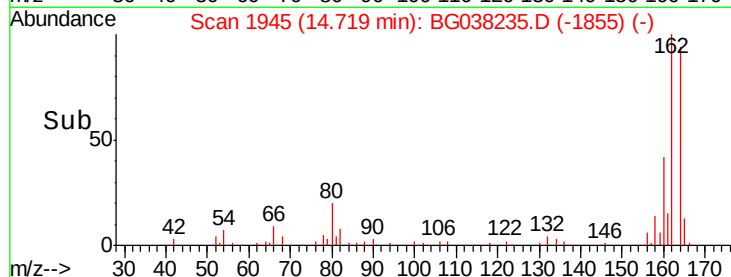
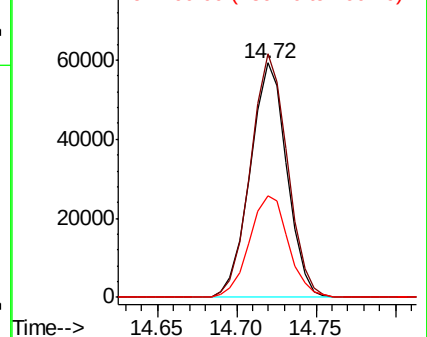


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.533 ng

RT: 12.92 min Scan# 1638

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Tgt Ion:216 Resp: 135294

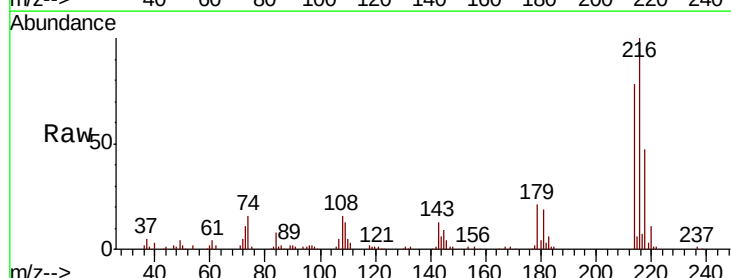
Ion Ratio Lower Upper

216 100

214 78.9 63.8 95.6

179 21.3 17.4 26.0

108 19.4 13.9 20.9



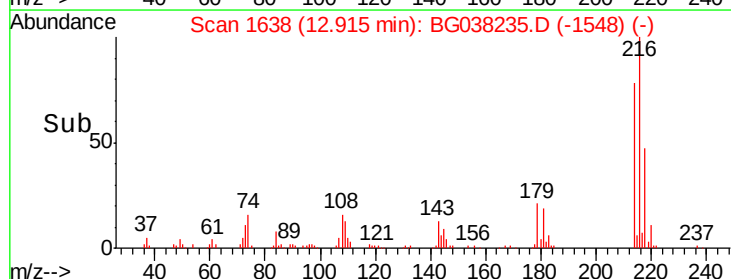
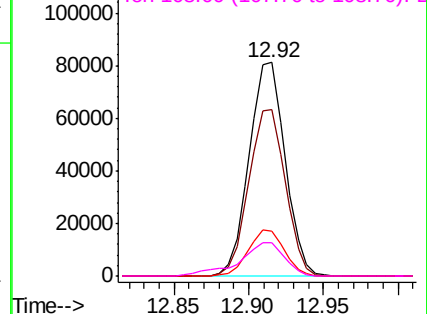
Abundance

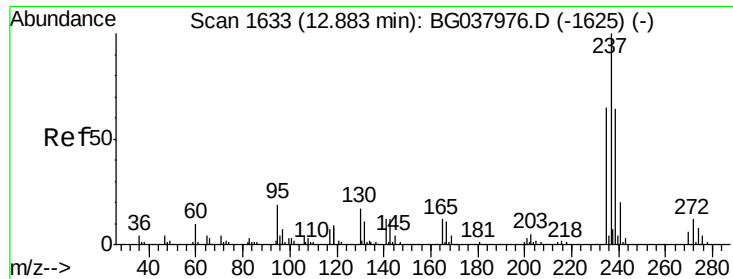
Ion 216.00 (215.70 to 216.70): E

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: 86.121 ng

RT: 12.88 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

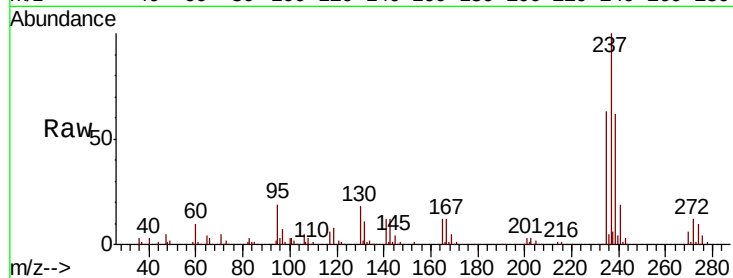
Tot Ion:237 Resp: 146691

Ion Ratio Lower Upper

237 100

235 62.7 42.5 82.5

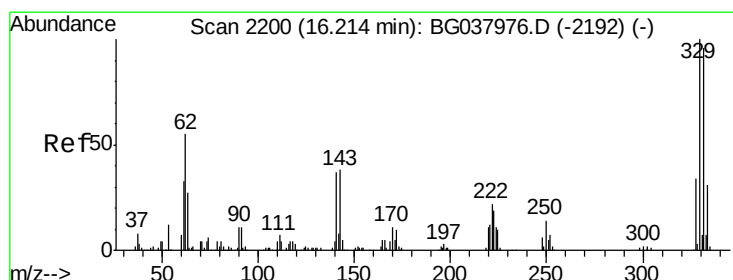
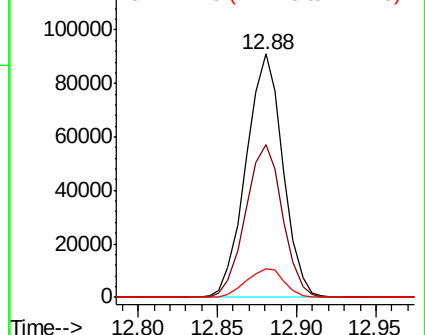
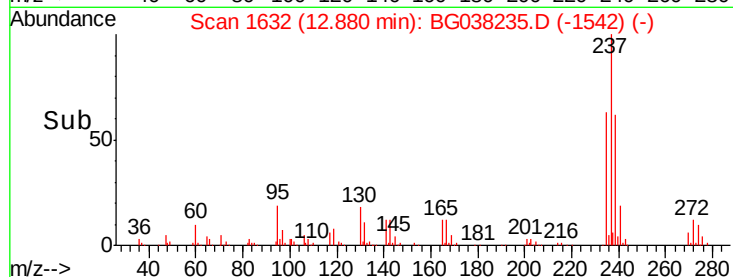
272 11.6 0.0 31.6



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: 139.943 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

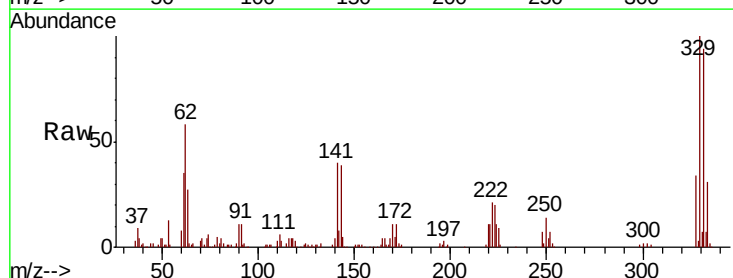
Tgt Ion:330 Resp: 151930

Ion Ratio Lower Upper

330 100

332 95.7 78.4 117.6

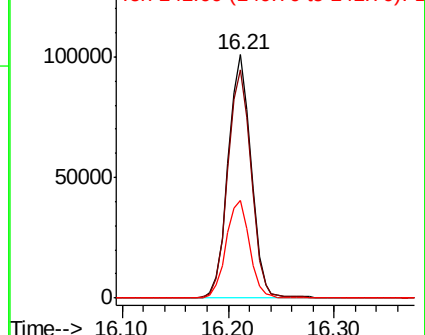
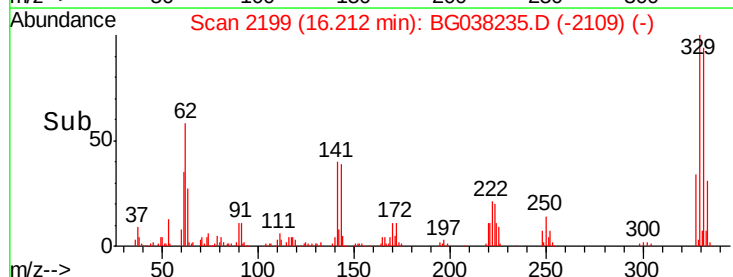
141 41.0 32.2 48.2

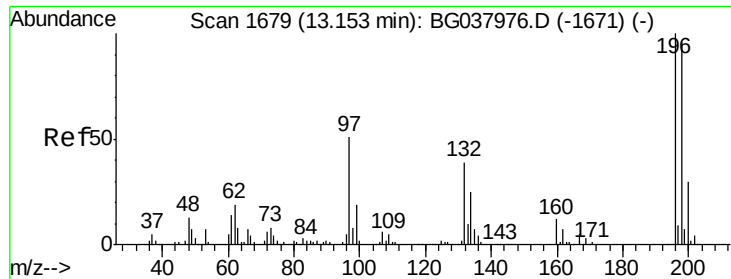


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

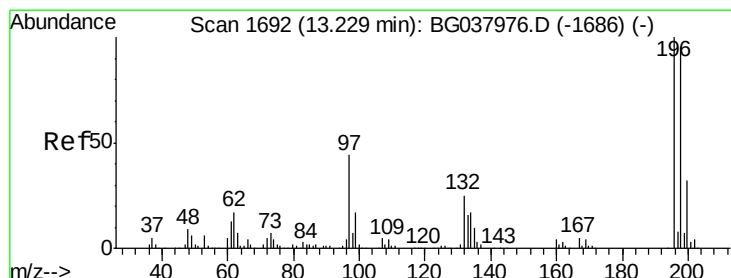
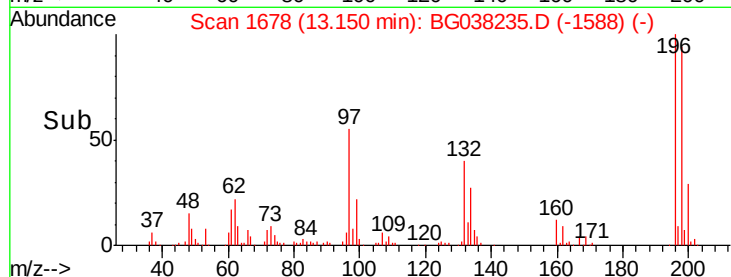
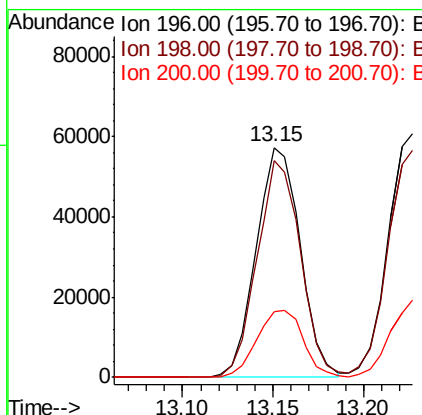
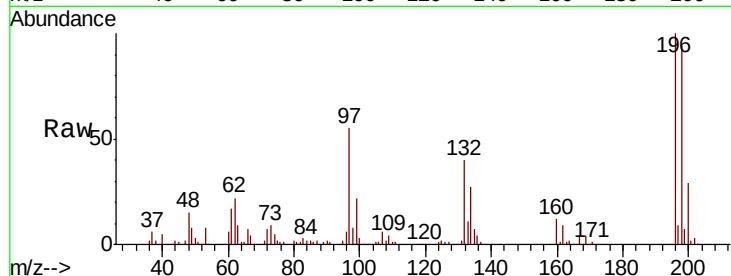




#43
 2,4,6-Trichlorophenol
 Concen: 44.613 ng
 RT: 13.15 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

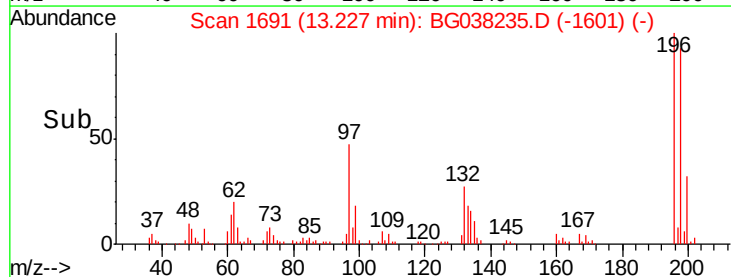
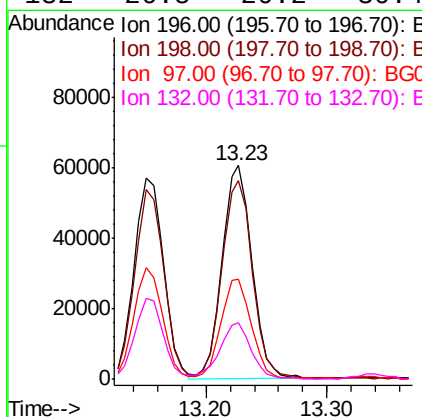
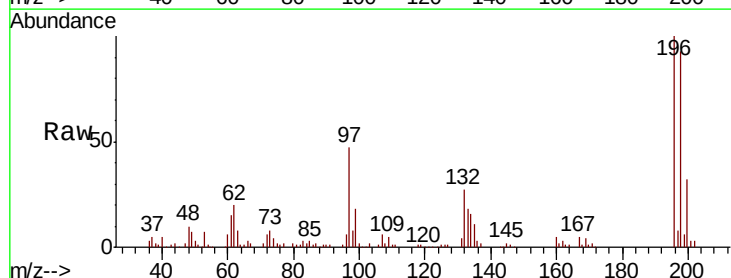
Instrument :
 BNA_F
 ClientSampleId :

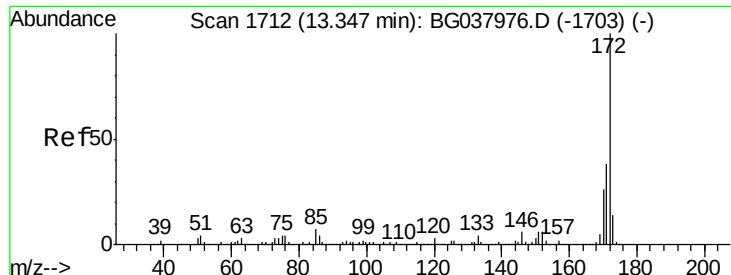
Tot Ion:196 Resp: 96702
 Ion Ratio Lower Upper
 196 100
 198 94.2 76.4 114.6
 200 28.6 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 45.613 ng
 RT: 13.23 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion:196 Resp: 104030
 Ion Ratio Lower Upper
 196 100
 198 93.1 74.2 111.2
 97 46.7 34.1 51.1
 132 26.5 20.2 30.4

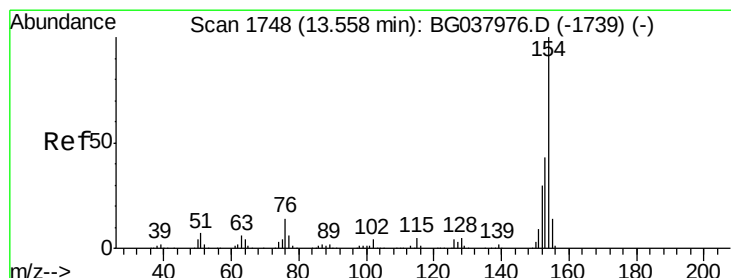
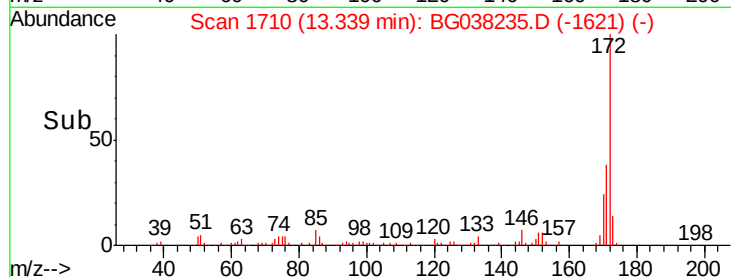
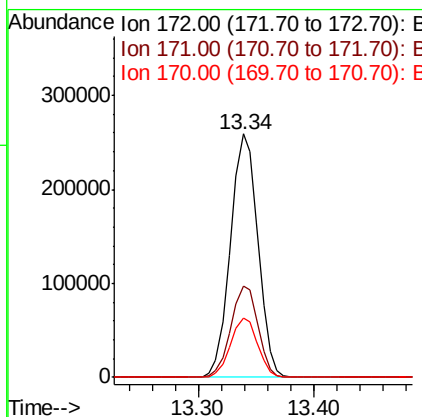
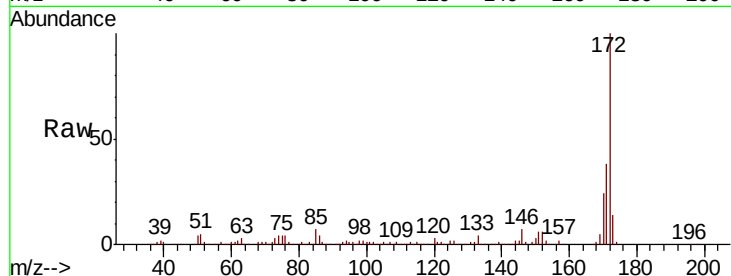




#45
2-Fluorobiphenyl
Concen: 65.067 ng
RT: 13.34 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

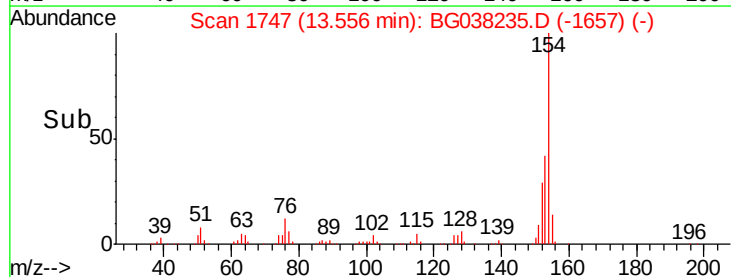
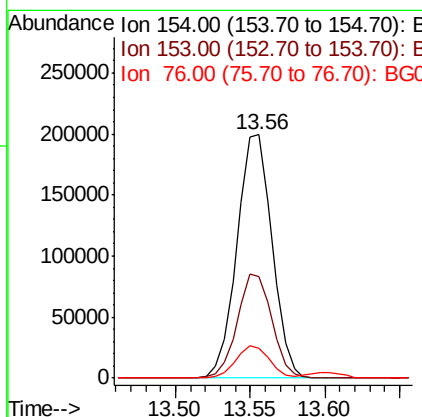
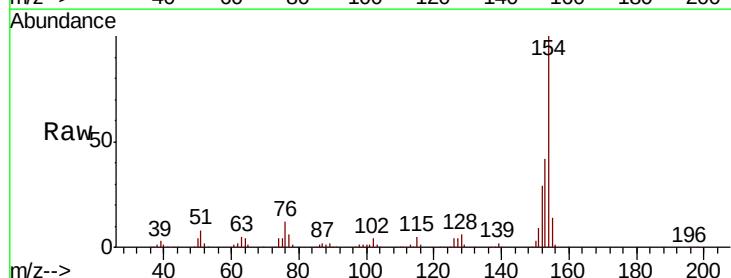
Instrument :
BNA_F
ClientSampleId :

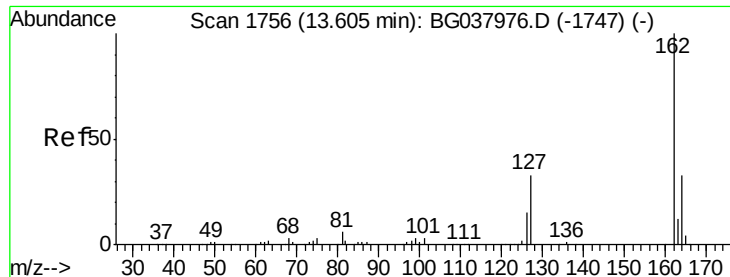
Tot Ion:172 Resp: 425158
Ion Ratio Lower Upper
172 100
171 37.5 31.0 46.4
170 24.5 20.2 30.2



#46
1,1'-Biphenyl
Concen: 40.676 ng
RT: 13.56 min Scan# 1747
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion:154 Resp: 325293
Ion Ratio Lower Upper
154 100
153 41.9 22.1 62.1
76 12.4 0.0 33.2

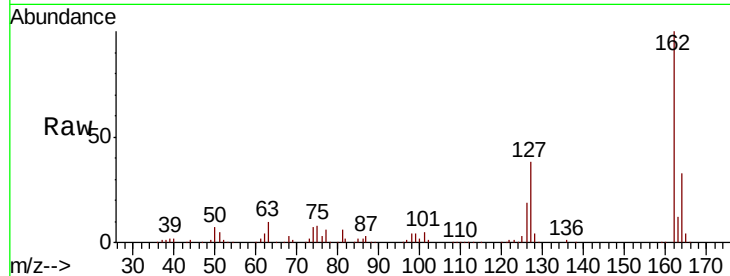




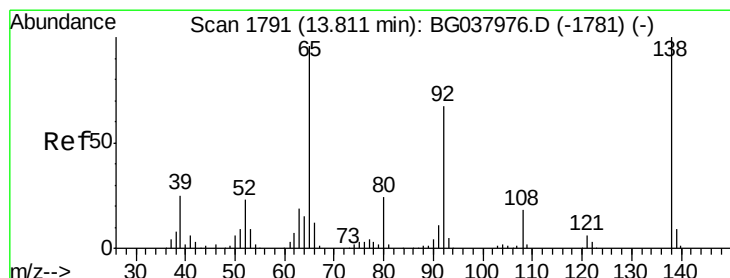
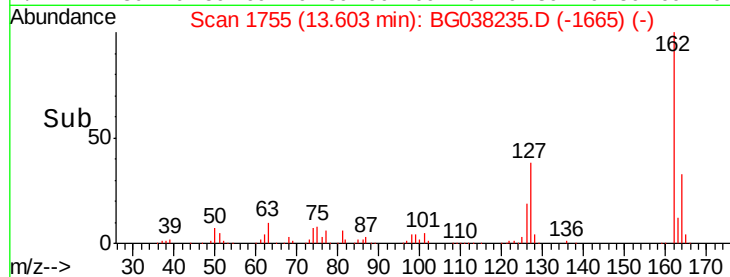
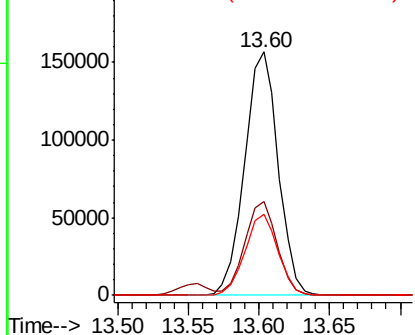
#47
 2-Chloronaphthalene
 Concen: 42.759 ng
 RT: 13.60 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 260939
 Ion Ratio Lower Upper
 162 100
 127 38.3 30.5 45.7
 164 33.2 26.4 39.6

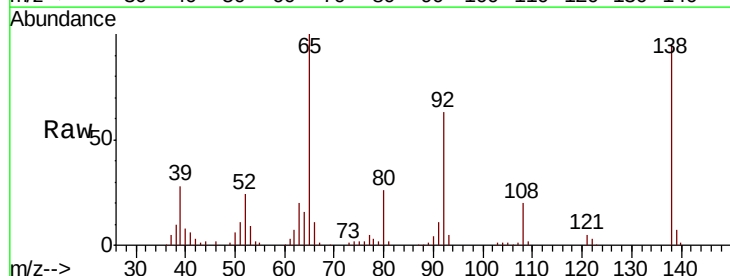


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

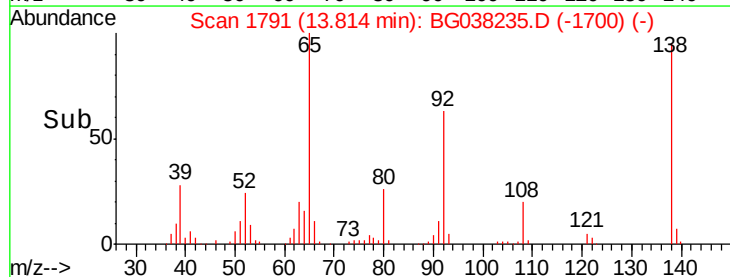
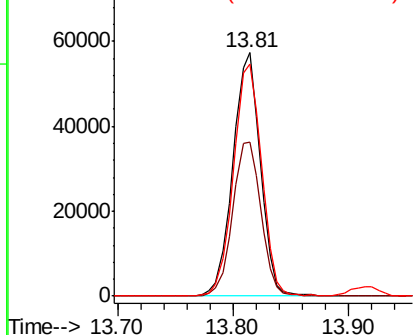


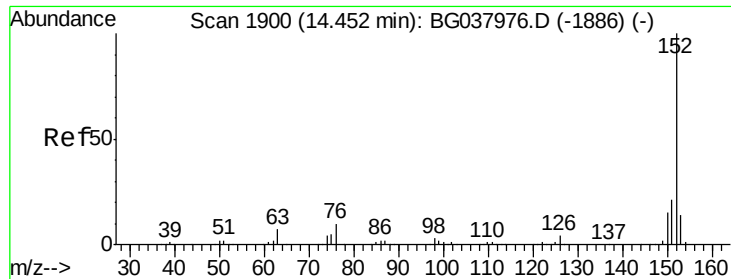
#48
 2-Nitroaniline
 Concen: 49.315 ng
 RT: 13.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion: 65 Resp: 94717
 Ion Ratio Lower Upper
 65 100
 92 63.3 53.2 79.8
 138 95.2 79.3 118.9



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: 46.688 ng

RT: 14.45 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

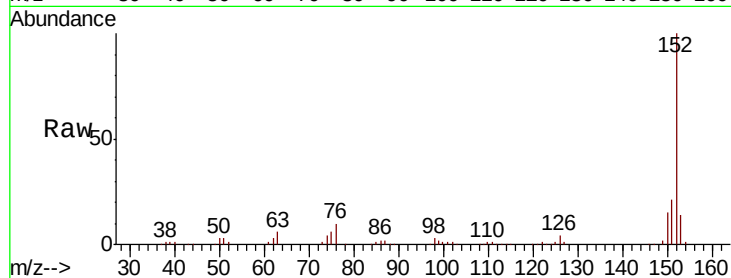
Tot Ion:152 Resp: 428459

Ion Ratio Lower Upper

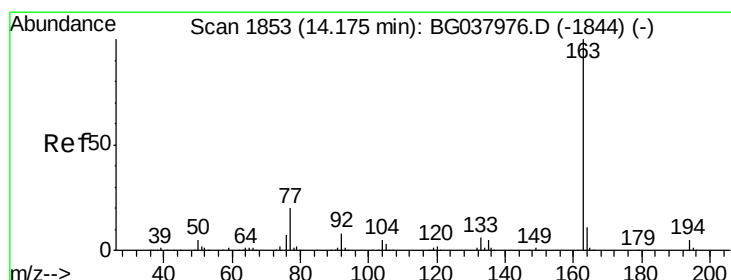
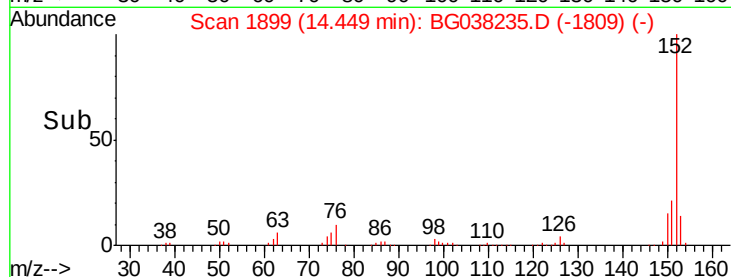
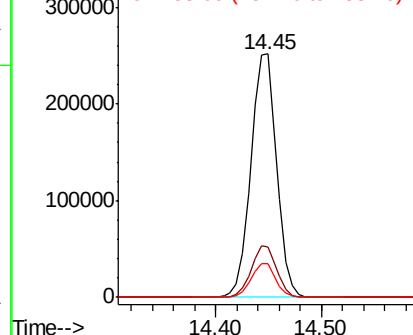
152 100

151 20.8 17.1 25.7

153 14.0 11.1 16.7



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: 43.868 ng

RT: 14.17 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

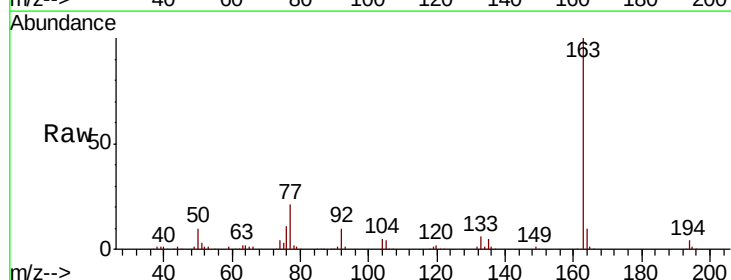
Tgt Ion:163 Resp: 331055

Ion Ratio Lower Upper

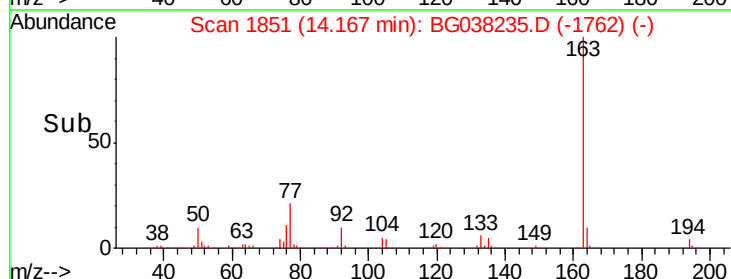
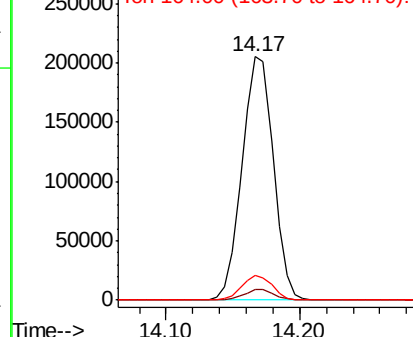
163 100

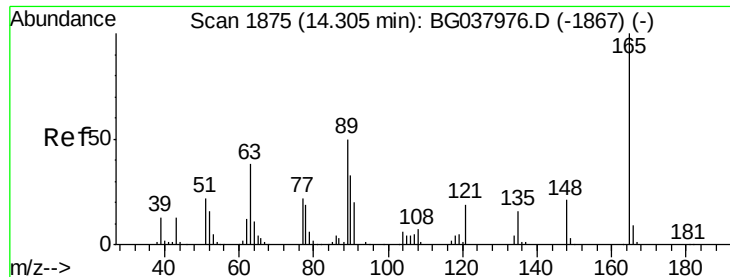
194 4.4 3.5 5.3

164 10.1 8.5 12.7



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

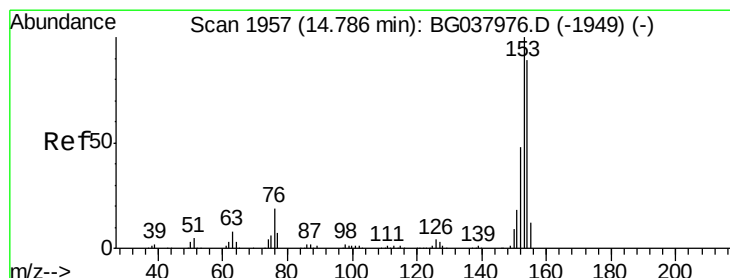
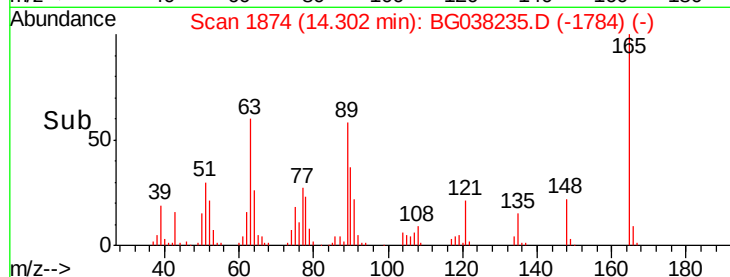
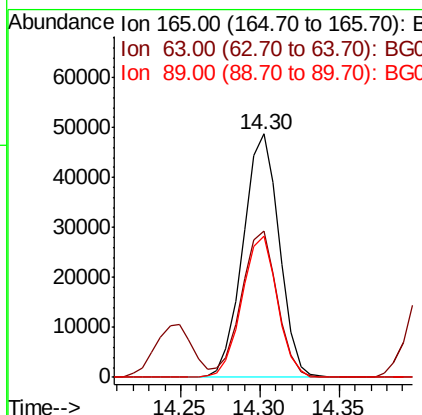
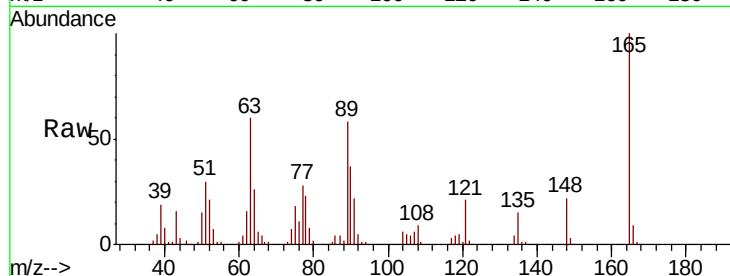




#51
 2,6-Dinitrotoluene
 Concen: 45.249 ng
 RT: 14.30 min Scan# 1874
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

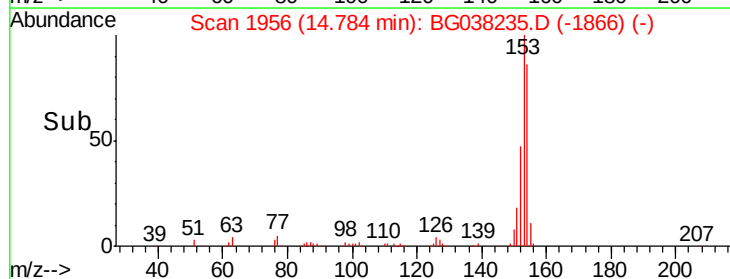
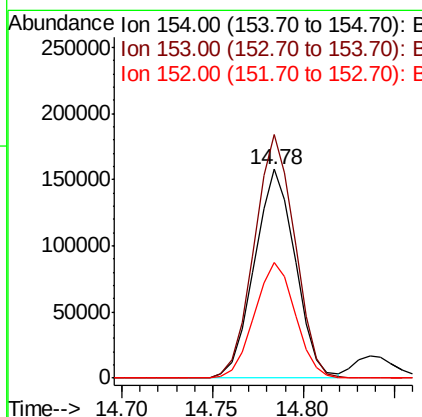
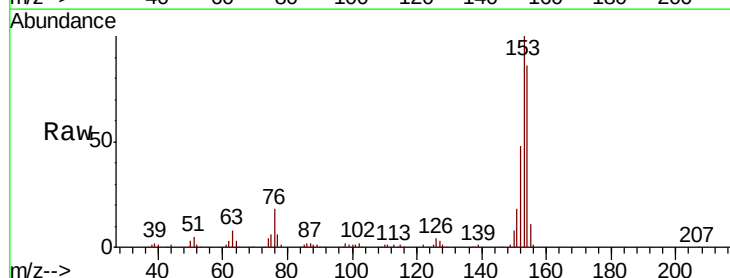
Instrument :
 BNA_F
 ClientSampled :

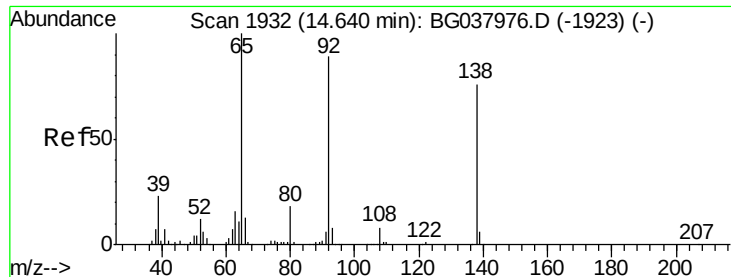
Tot Ion:165 Resp: 77285
 Ion Ratio Lower Upper
 165 100
 63 60.3 43.4 65.2
 89 57.9 45.8 68.6



#52
 Acenaphthene
 Concen: 44.861 ng
 RT: 14.78 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion:154 Resp: 247846
 Ion Ratio Lower Upper
 154 100
 153 116.6 93.4 140.0
 152 55.6 44.7 67.1





#53

3-Nitroaniline

Concen: 35.874 ng

RT: 14.64 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

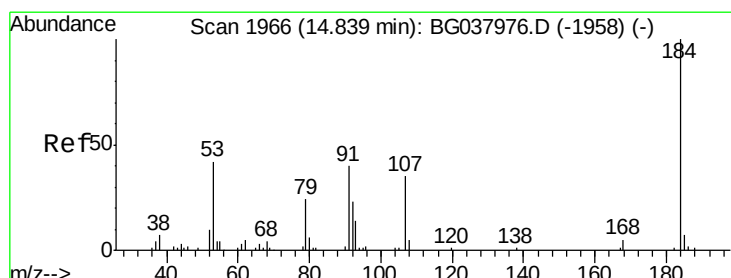
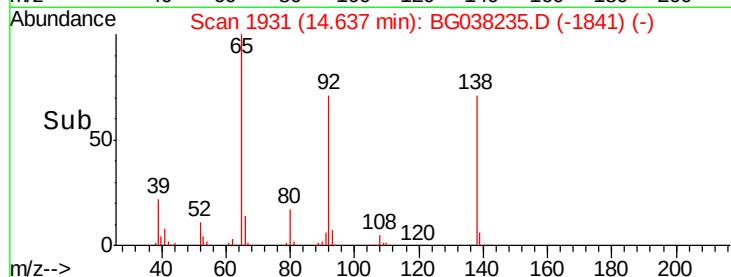
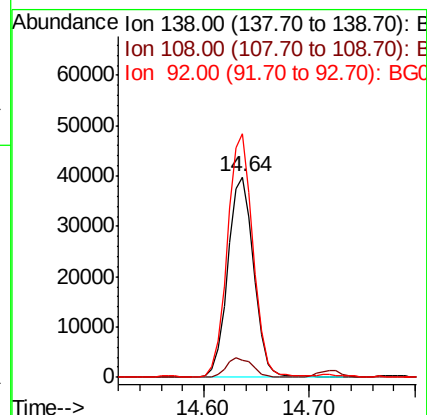
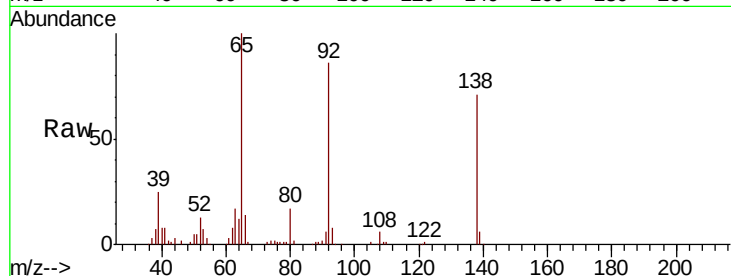
Tot Ion:138 Resp: 67612

Ion Ratio Lower Upper

138 100

108 8.3 11.0 16.6#

92 121.4 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 59.415 ng

RT: 14.84 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

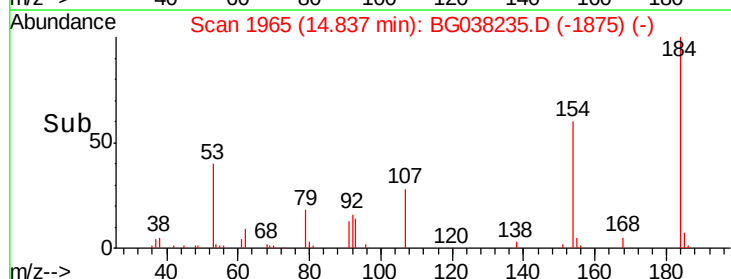
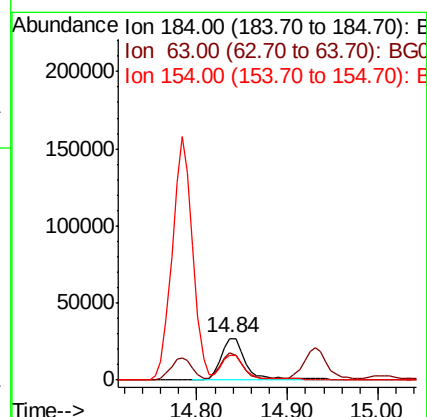
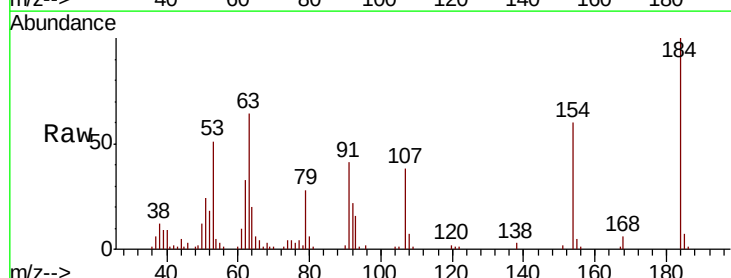
Tgt Ion:184 Resp: 52279

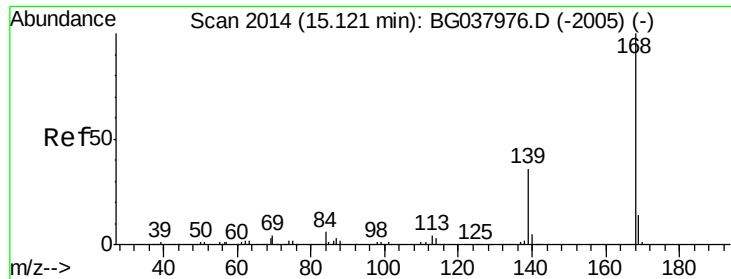
Ion Ratio Lower Upper

184 100

63 64.3 42.6 63.8#

154 60.5 41.8 62.6

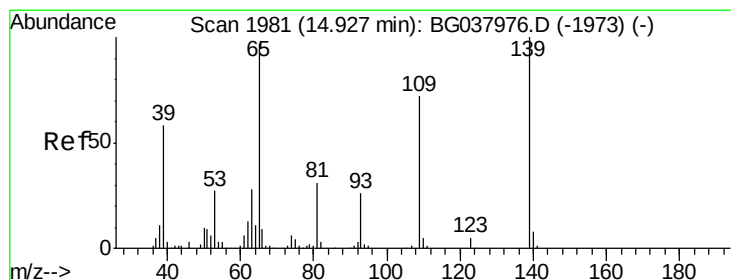
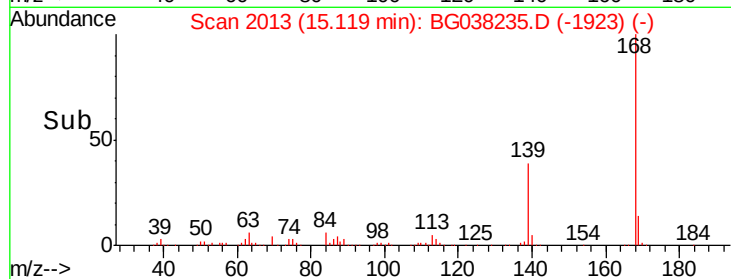
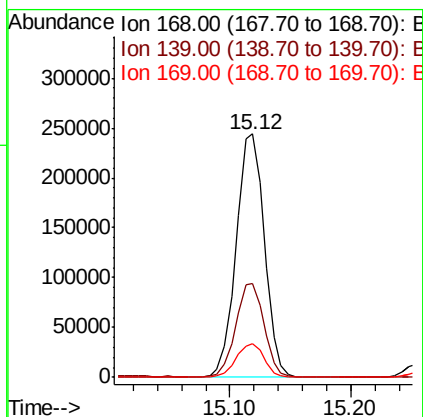
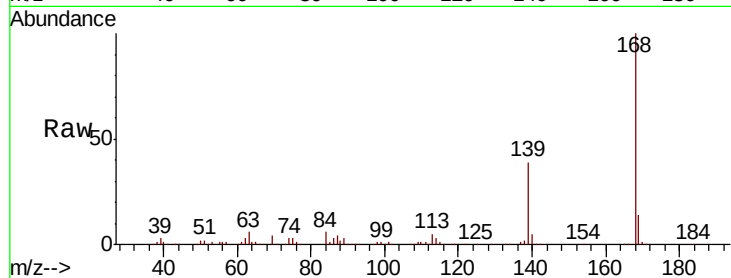




#55
Dibenzofuran
Concen: 43.639 ng
RT: 15.12 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

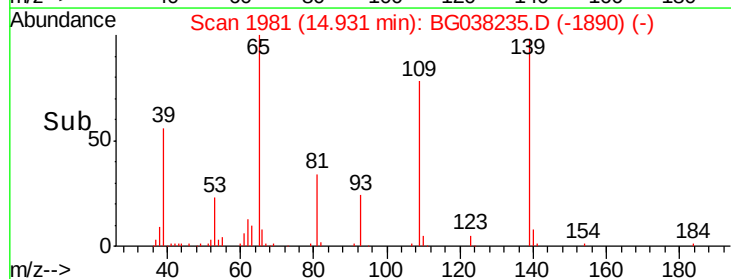
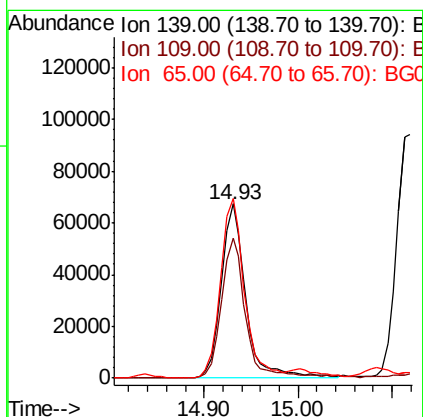
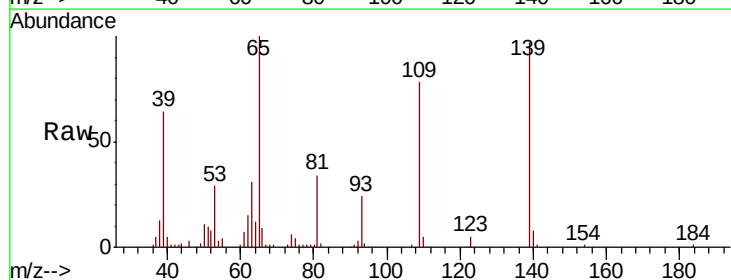
Instrument :
BNA_F
ClientSampleId :

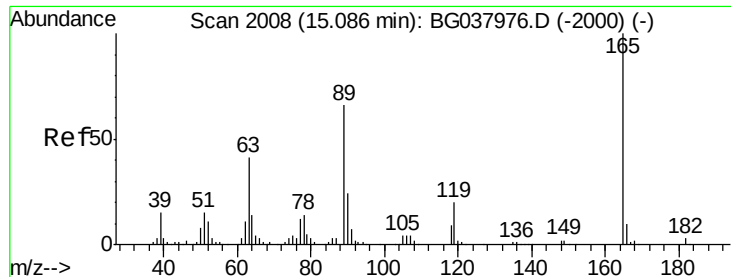
Tot Ion:168 Resp: 398656
Ion Ratio Lower Upper
168 100
139 38.6 29.4 44.0
169 14.0 11.0 16.6



#56
4-Nitrophenol
Concen: 84.227 ng
RT: 14.93 min Scan# 181
Delta R.T. 0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion:139 Resp: 122433
Ion Ratio Lower Upper
139 100
109 80.0 49.5 89.5
65 103.2 76.8 116.8

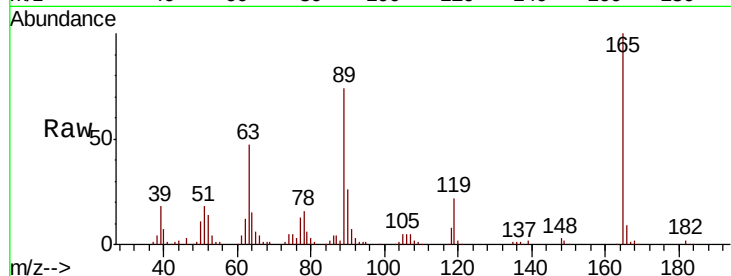




#57
2,4-Dinitrotoluene
Concen: 47.086 ng
RT: 15.08 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.1	33.4	50.0
89	74.4	57.2	85.8
182	2.4	2.6	4.0



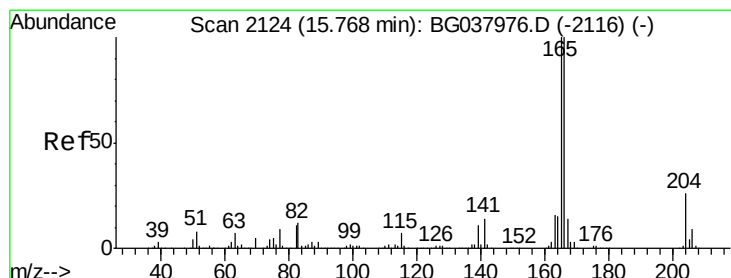
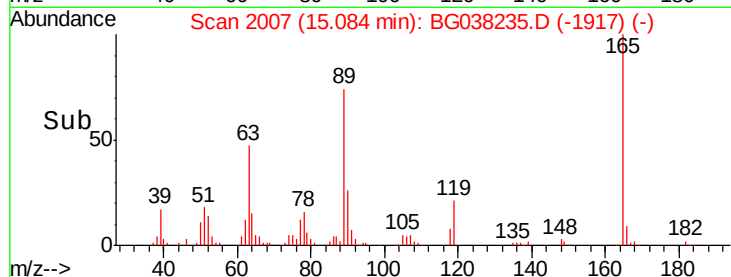
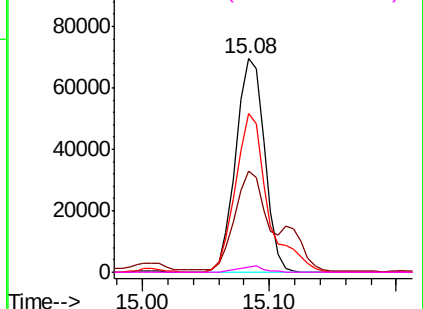
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

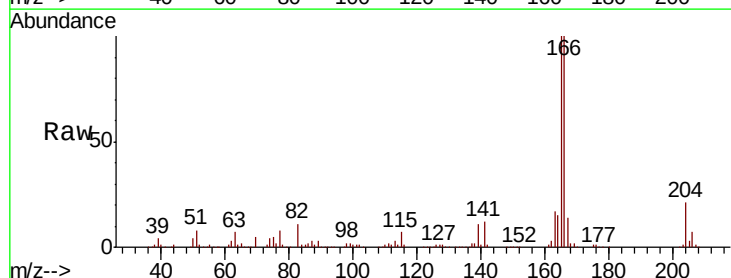
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 46.664 ng
RT: 15.77 min Scan# 2123
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.0	118.6
167	14.0	11.3	16.9

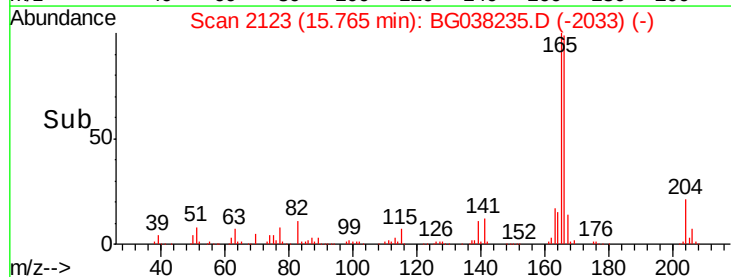
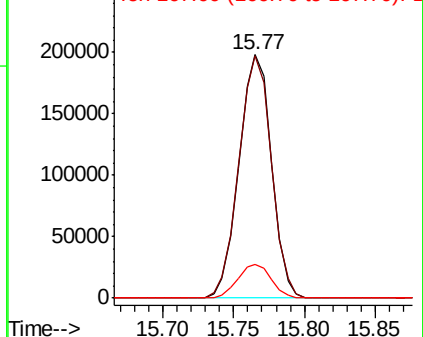


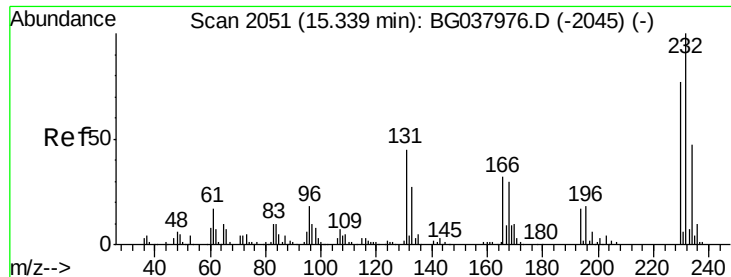
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

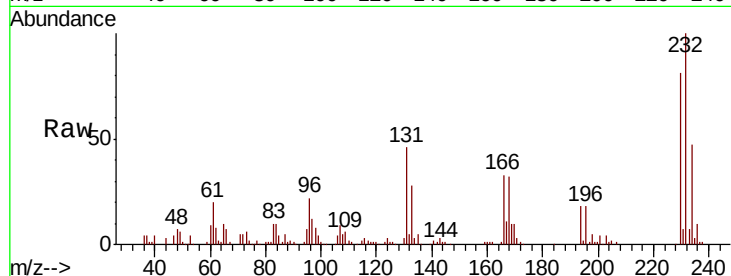




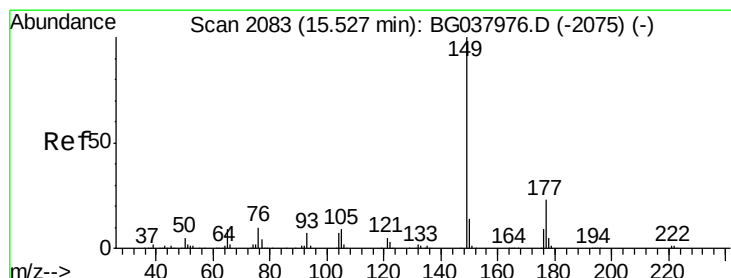
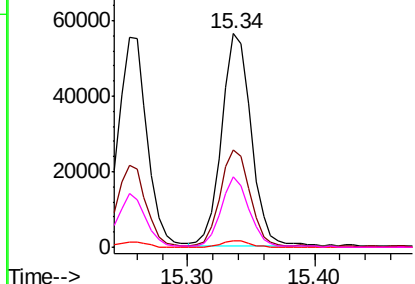
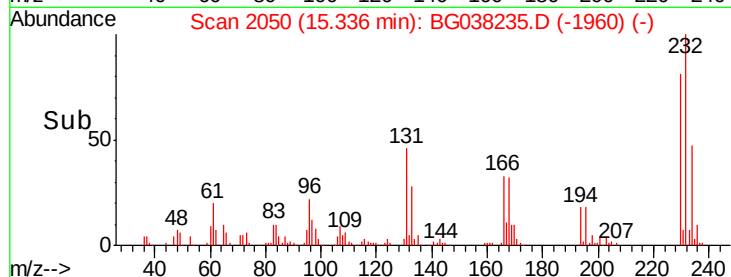
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 47.619 ng
 RT: 15.34 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:232 Resp: 90877
 Ion Ratio Lower Upper
 232 100
 131 45.3 33.7 50.5
 130 2.9 2.1 3.1
 166 31.2 24.6 36.8

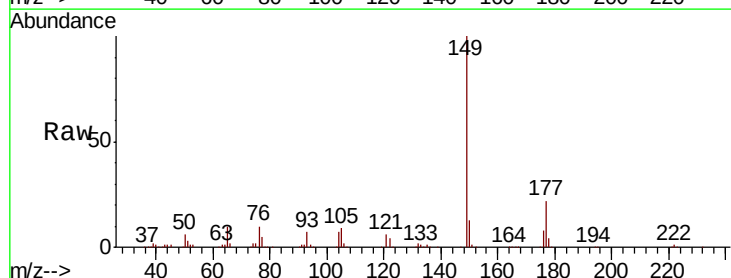


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

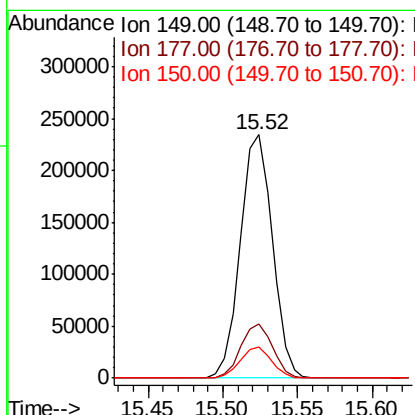
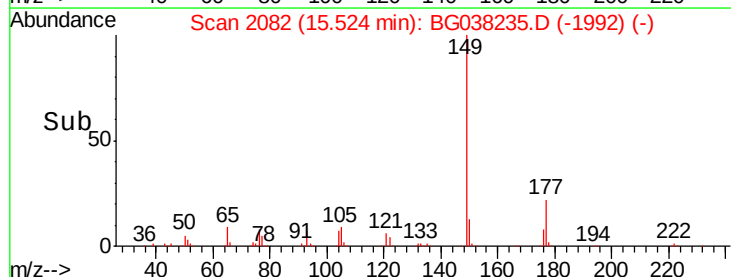


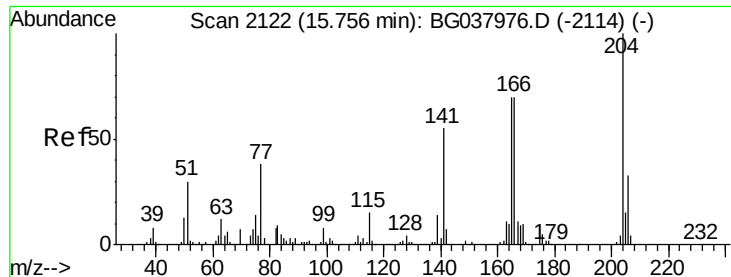
#60
 Diethylphthalate
 Concen: 43.623 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion:149 Resp: 349664
 Ion Ratio Lower Upper
 149 100
 177 22.2 18.3 27.5
 150 12.7 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 42.563 ng

RT: 15.75 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

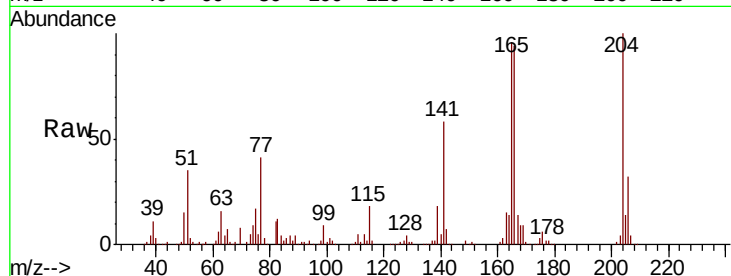
Tot Ion:204 Resp: 169754

Ion Ratio Lower Upper

204 100

206 32.4 26.6 39.8

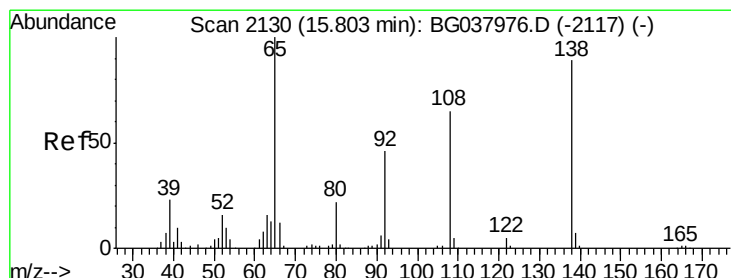
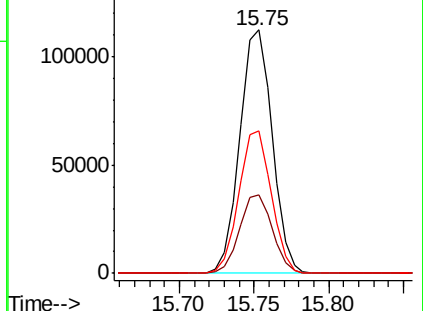
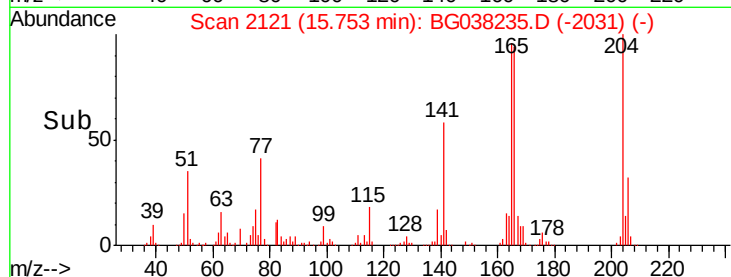
141 58.5 45.4 68.2



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: 45.288 ng

RT: 15.80 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

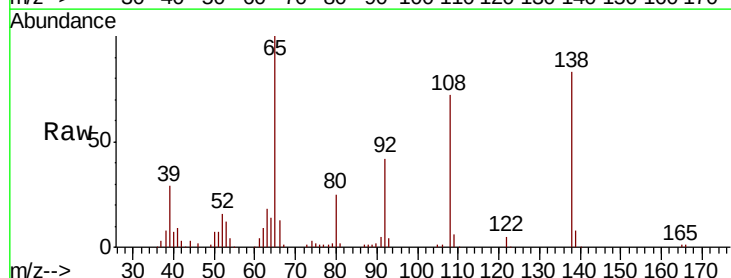
Tgt Ion:138 Resp: 84793

Ion Ratio Lower Upper

138 100

92 50.3 36.4 76.4

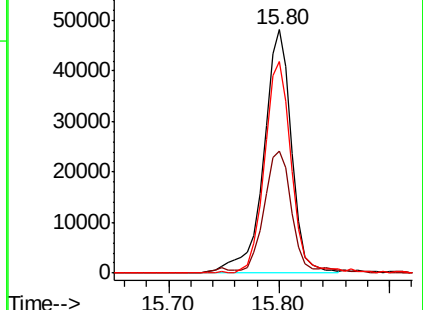
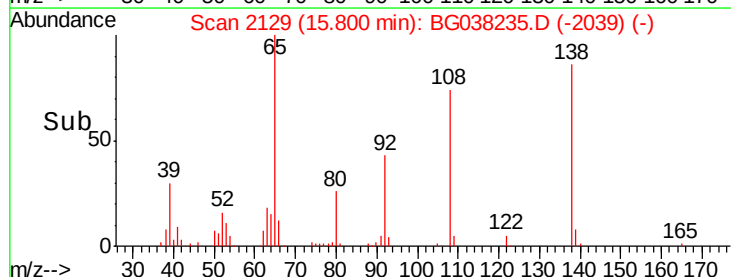
108 87.0 60.1 100.1

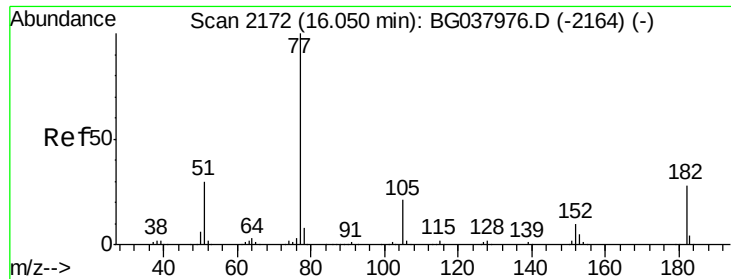


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

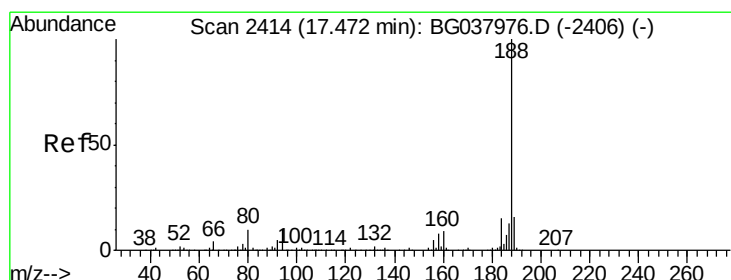
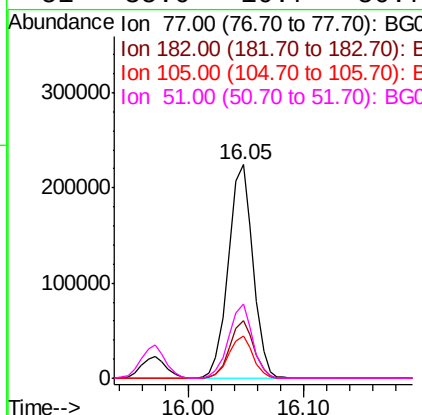
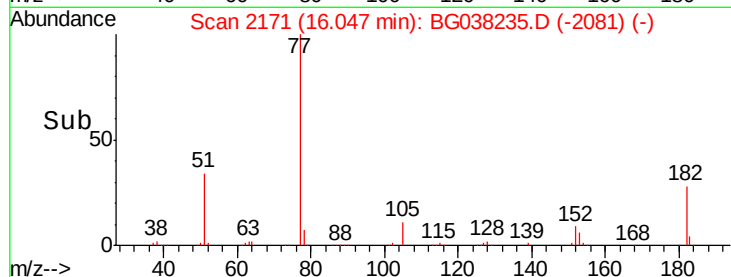
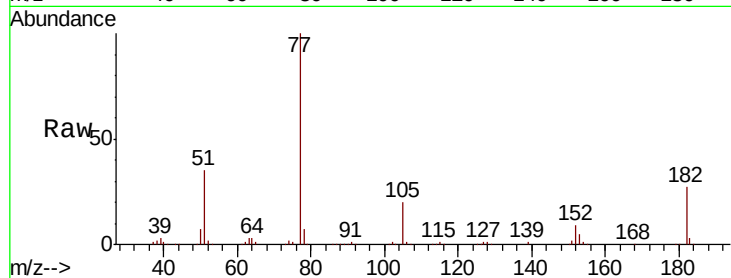




#63
Azobenzene
Concen: 46.108 ng
RT: 16.05 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

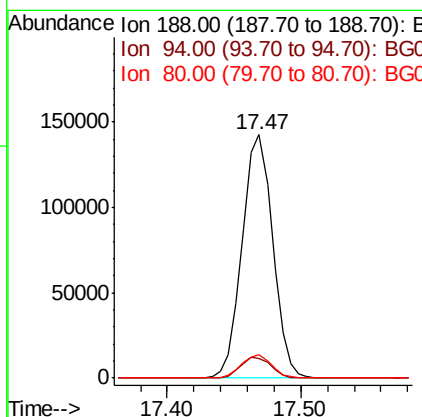
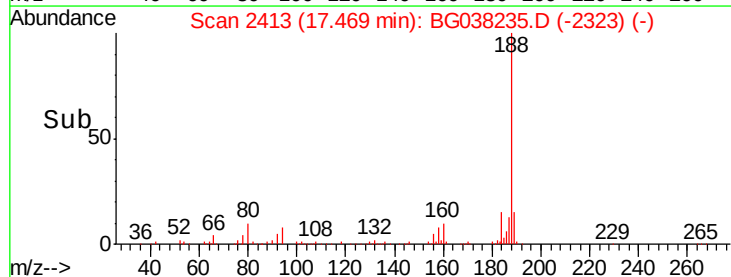
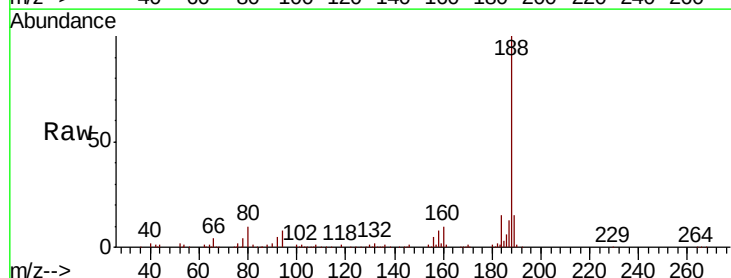
Instrument :
BNA_F
ClientSampleId :

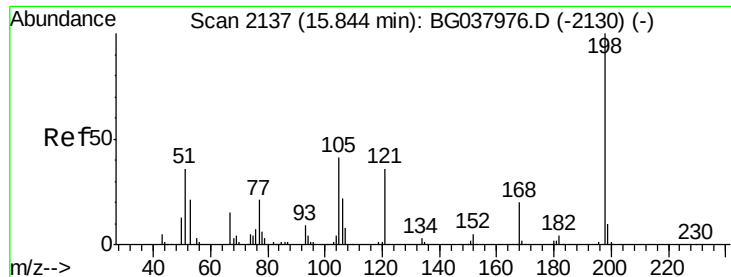
Tot Ion: 77 Resp: 330452
Ion Ratio Lower Upper
77 100
182 26.7 8.0 48.0
105 19.7 1.3 41.3
51 35.0 10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion: 188 Resp: 225490
Ion Ratio Lower Upper
188 100
94 8.2 7.2 10.8
80 9.7 7.7 11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 36.713 ng

RT: 15.84 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

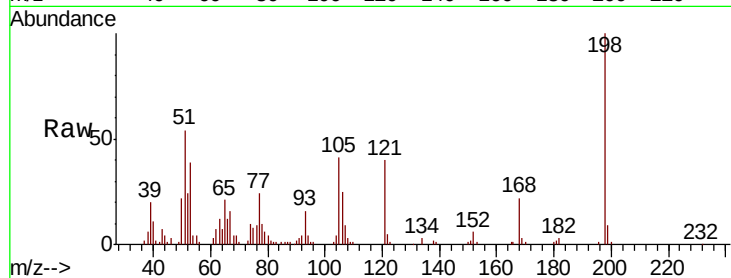
Tot Ion:198 Resp: 52361

Ion	Ratio	Lower	Upper
198	100		
51	53.5	22.7	62.7
105	40.6	19.7	59.7

198 100

51 53.5 22.7 62.7

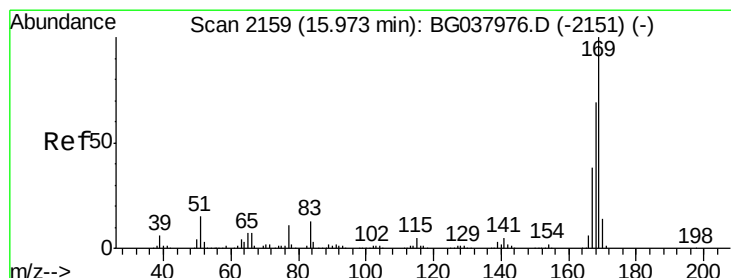
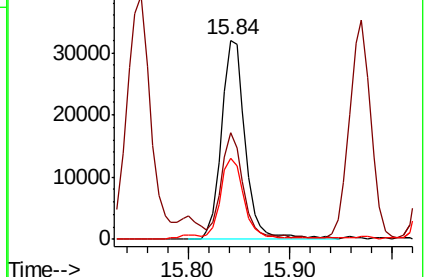
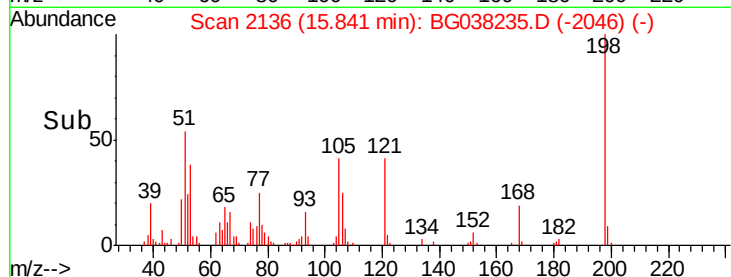
105 40.6 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 43.074 ng

RT: 15.97 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

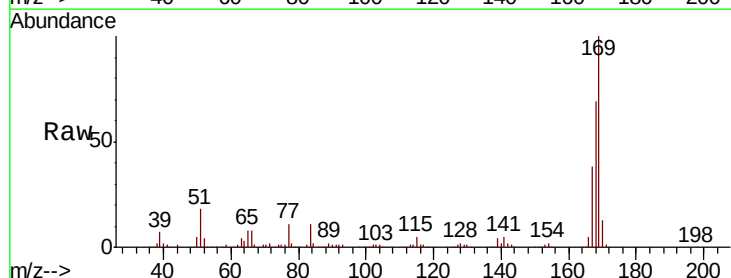
Tgt Ion:169 Resp: 293838

Ion	Ratio	Lower	Upper
169	100		
168	69.5	55.7	83.5
167	38.1	31.3	46.9

169 100

168 69.5 55.7 83.5

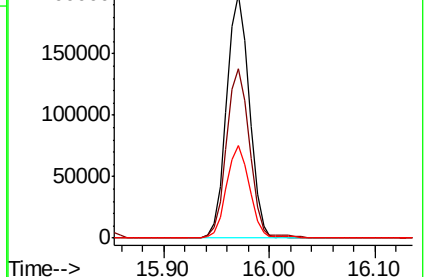
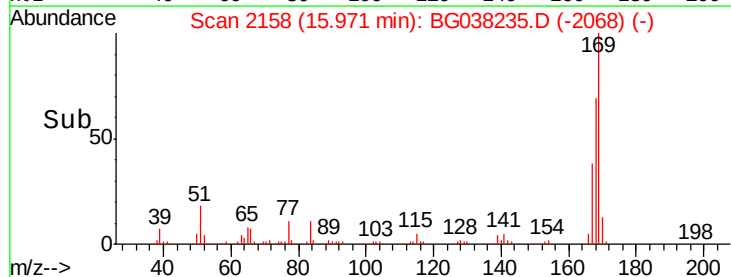
167 38.1 31.3 46.9

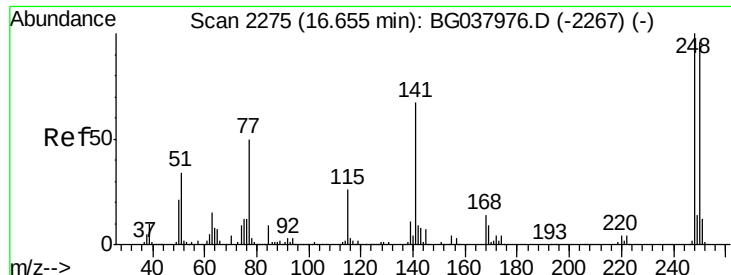


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

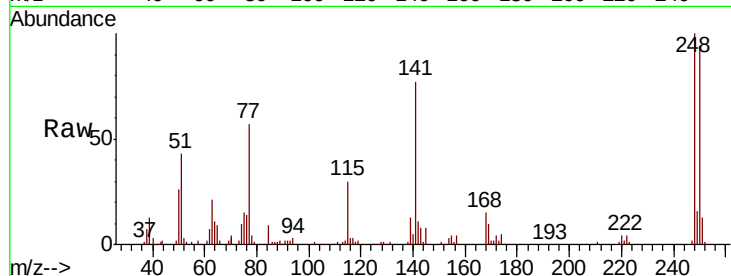




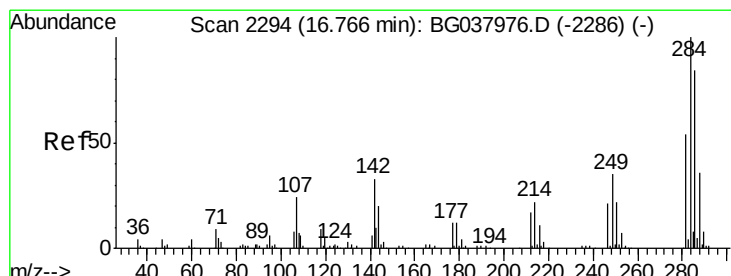
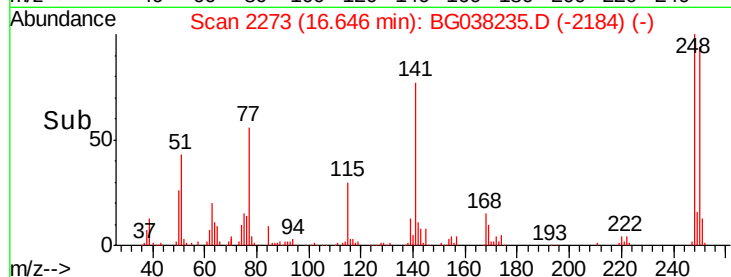
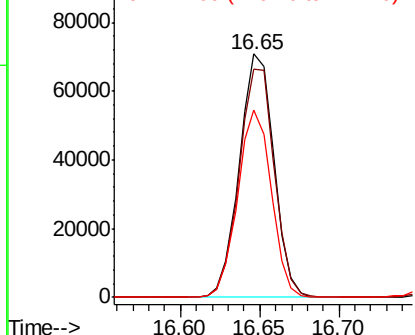
#67
 4-Bromophenyl-phenylether
 Concen: 43.132 ng
 RT: 16.65 min Scan# 2273
 Delta R.T. -0.01 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 106750
 Ion Ratio Lower Upper
 248 100
 250 93.8 77.0 115.6
 141 76.7 55.5 83.3

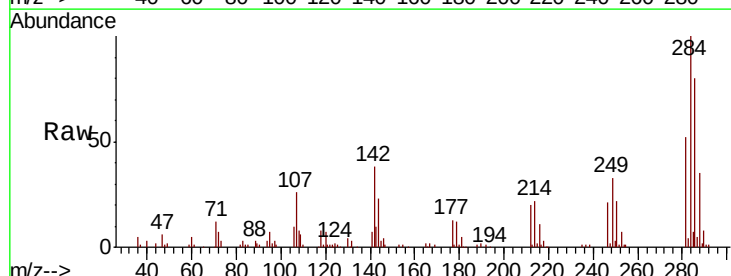


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

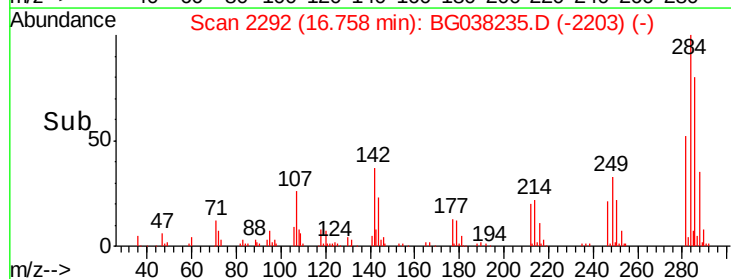
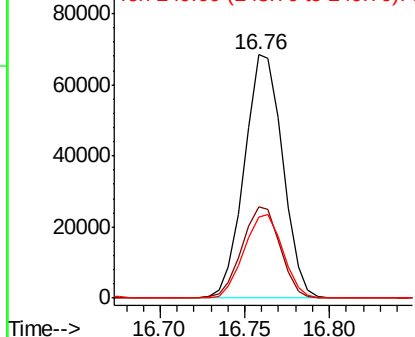


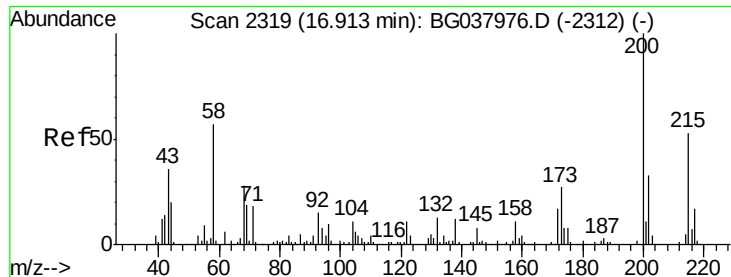
#68
 Hexachlorobenzene
 Concen: 42.286 ng
 RT: 16.76 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion:284 Resp: 108025
 Ion Ratio Lower Upper
 284 100
 142 37.7 28.1 42.1
 249 36.1 29.8 44.8



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: 44.538 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

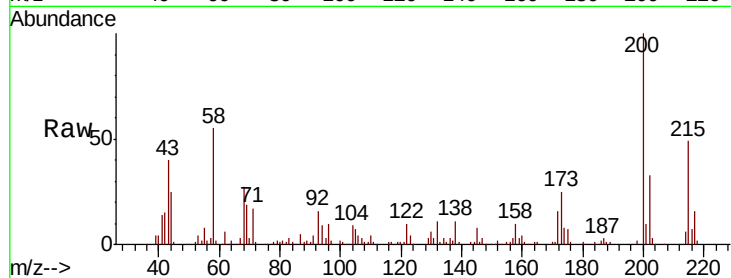
Tot Ion:200 Resp: 112000

Ion Ratio Lower Upper

200 100

173 25.2 6.1 46.1

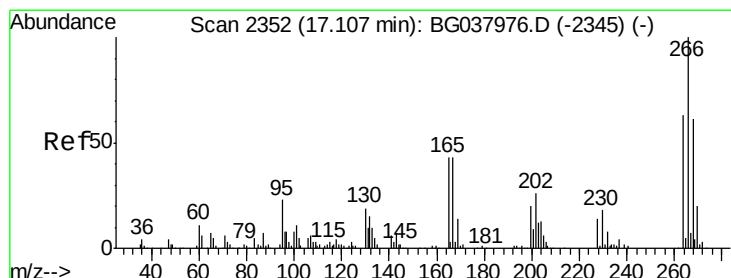
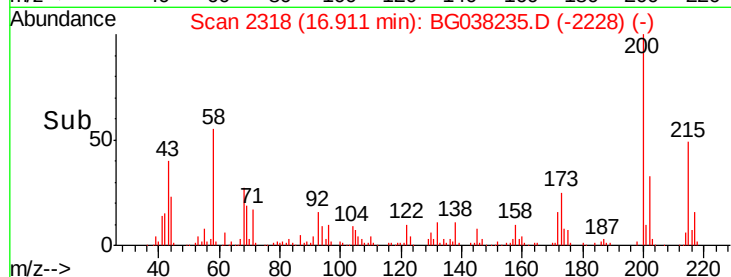
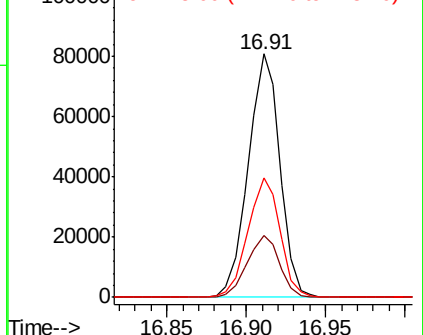
215 48.8 30.8 70.8



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: 68.908 ng

RT: 17.11 min Scan# 2352

Delta R.T. 0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

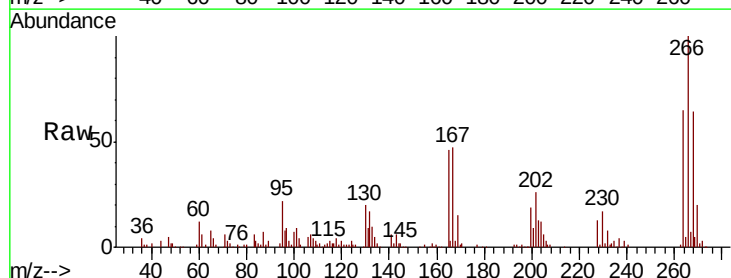
Tgt Ion:266 Resp: 119557

Ion Ratio Lower Upper

266 100

268 68.3 55.0 82.6

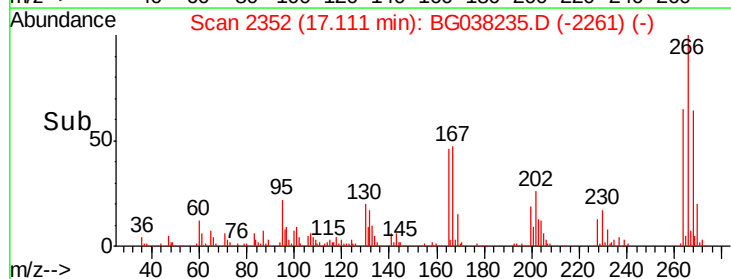
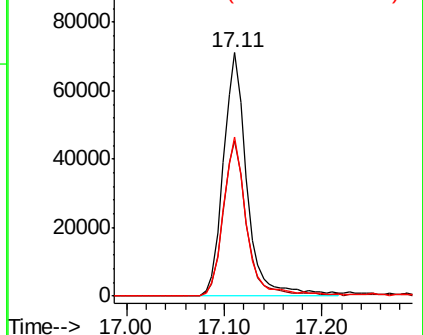
264 65.4 58.9 88.3

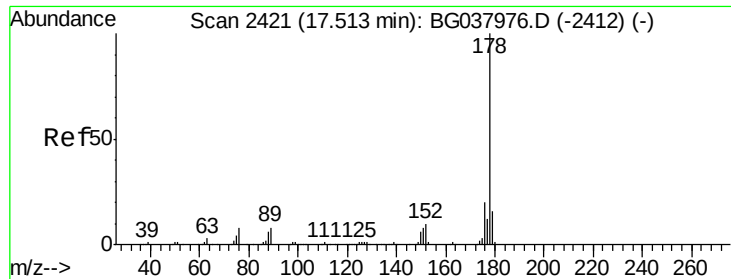


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 47.017 ng

RT: 17.51 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

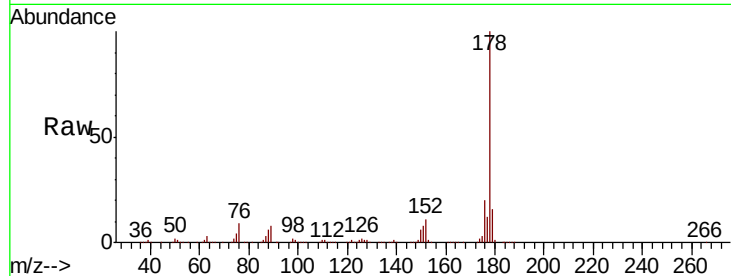
Tot Ion:178 Resp: 542799

Ion Ratio Lower Upper

178 100

176 19.7 16.1 24.1

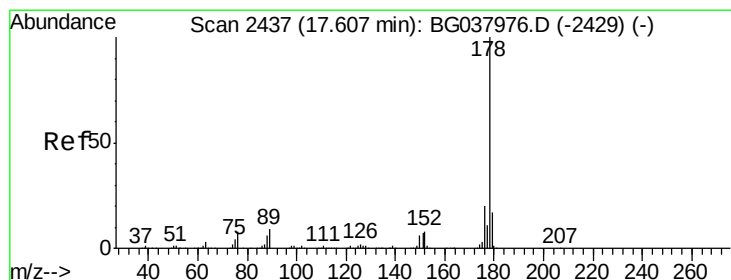
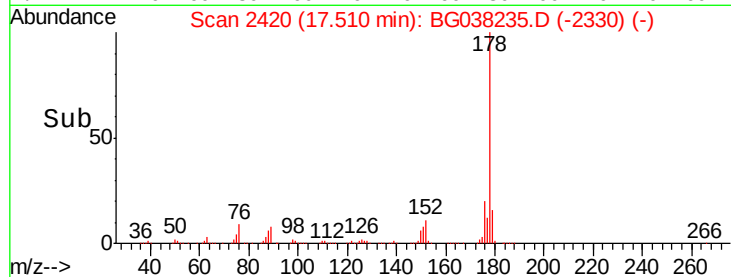
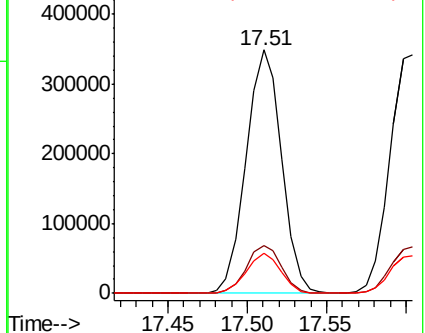
179 16.4 13.0 19.4



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



#72

Anthracene

Concen: 48.181 ng

RT: 17.60 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

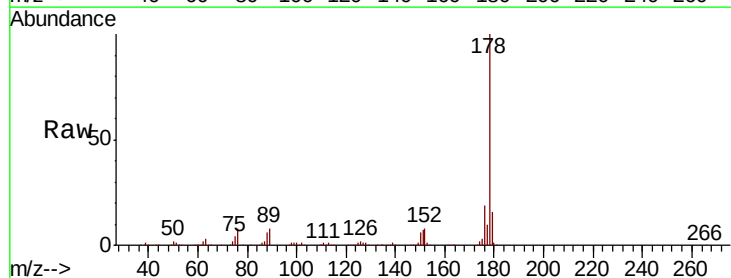
Tgt Ion:178 Resp: 548301

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.4

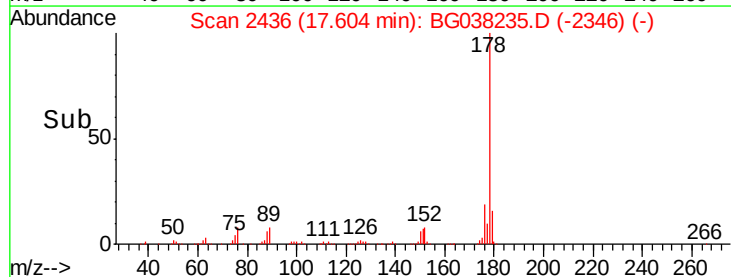
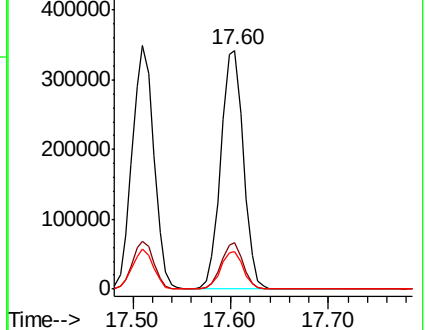
179 15.6 12.8 19.2

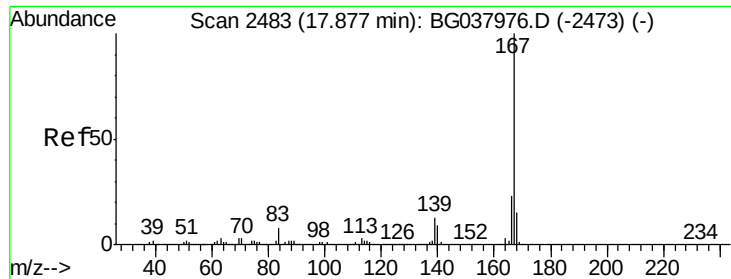


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 44.007 ng

RT: 17.87 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampled :

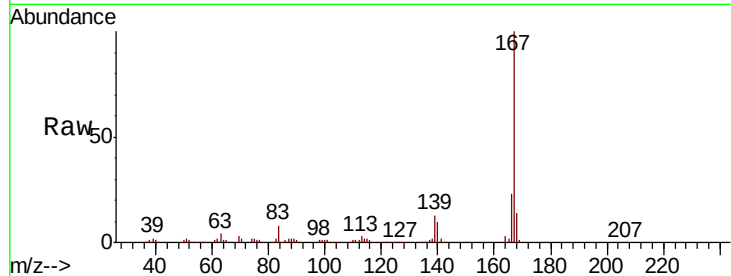
Tot Ion:167 Resp: 502454

Ion Ratio Lower Upper

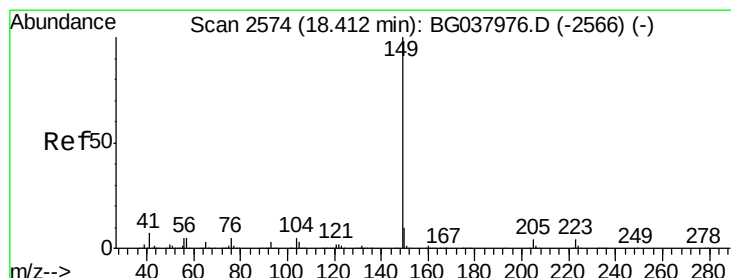
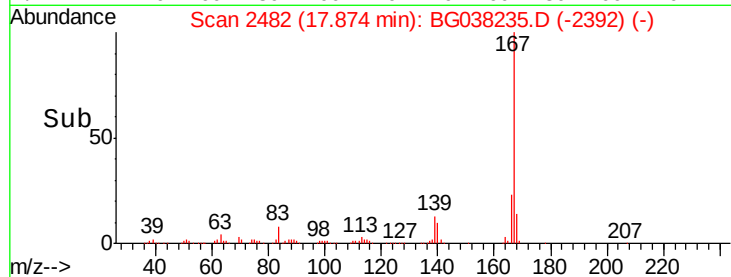
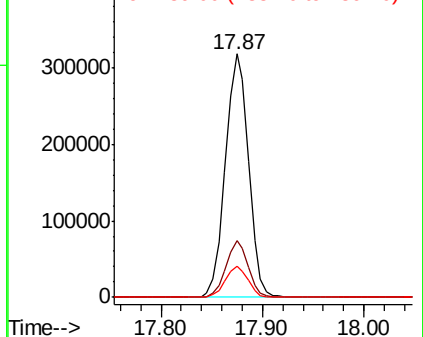
167 100

166 23.1 18.3 27.5

139 13.0 10.5 15.7



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: 47.602 ng

RT: 18.41 min Scan# 2573

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

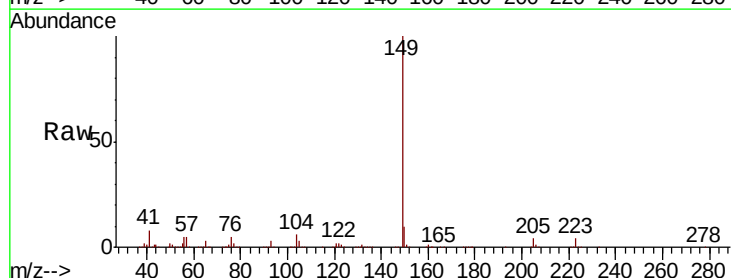
Tgt Ion:149 Resp: 610098

Ion Ratio Lower Upper

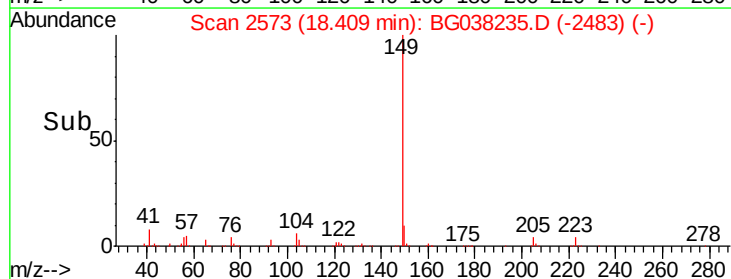
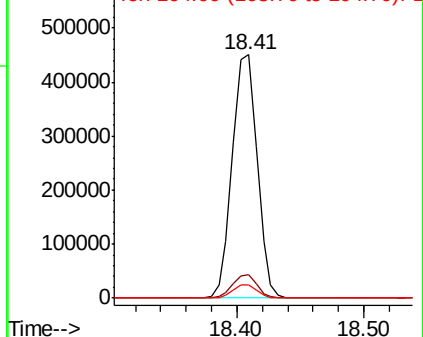
149 100

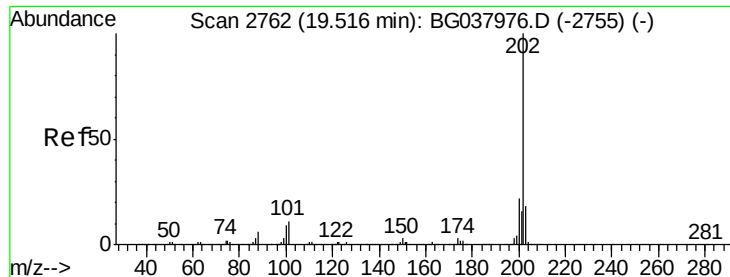
150 9.8 8.2 12.2

104 5.7 4.0 6.0



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: 49.290 ng

RT: 19.51 min Scan# 2761

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampled :

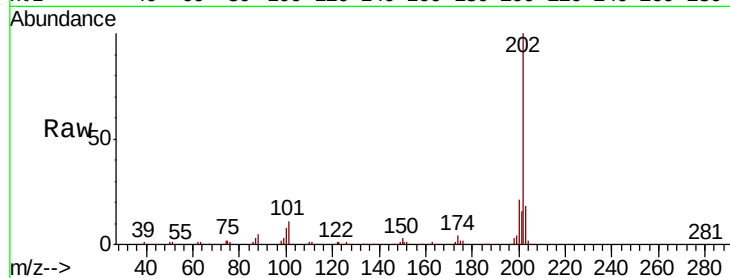
Tot Ion:202 Resp: 649235

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.7

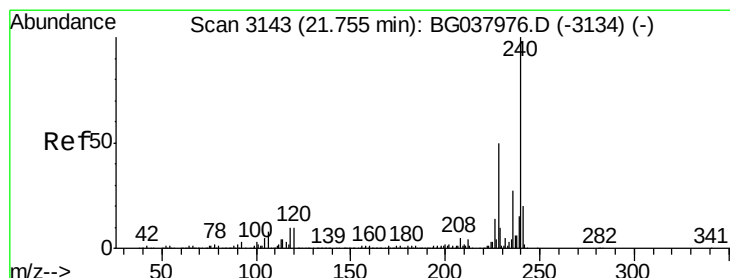
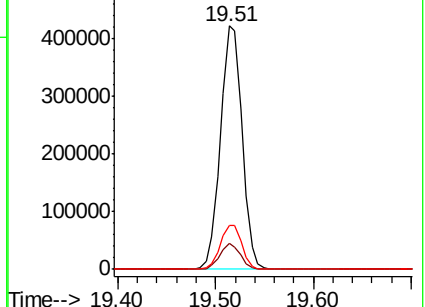
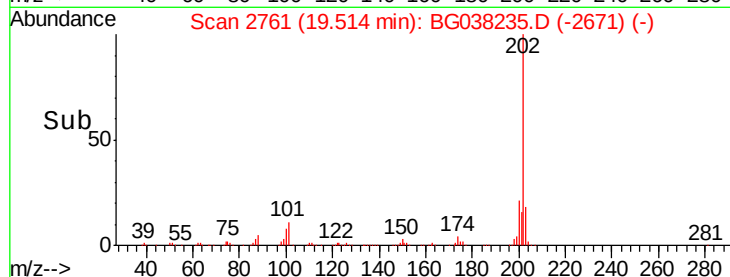
203 17.9 0.0 38.5



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: 21.75 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

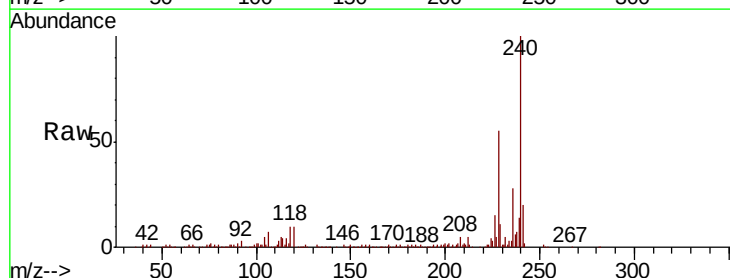
Tgt Ion:240 Resp: 211037

Ion Ratio Lower Upper

240 100

120 10.0 8.1 12.1

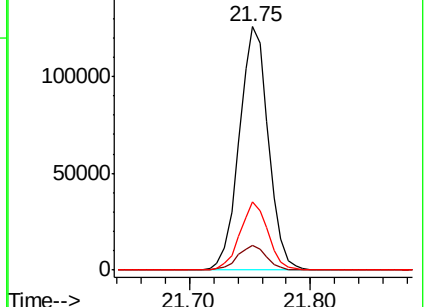
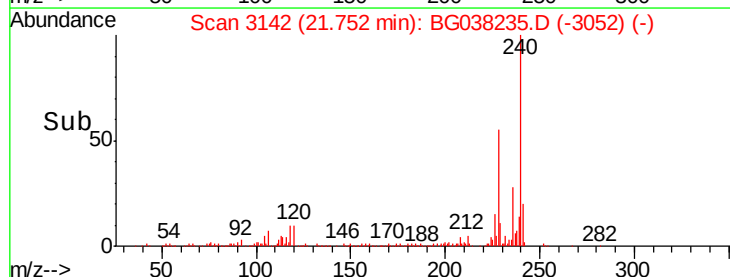
236 27.9 21.4 32.0

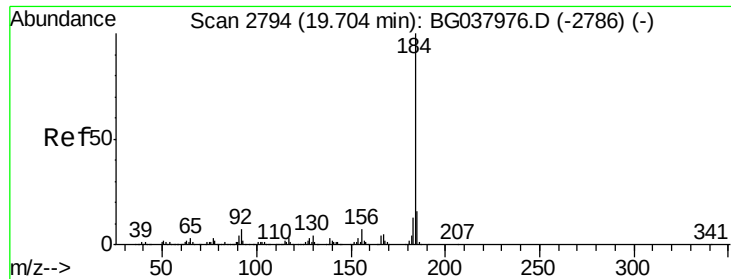


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 27.589 ng

RT: 19.70 min Scan# 2793

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

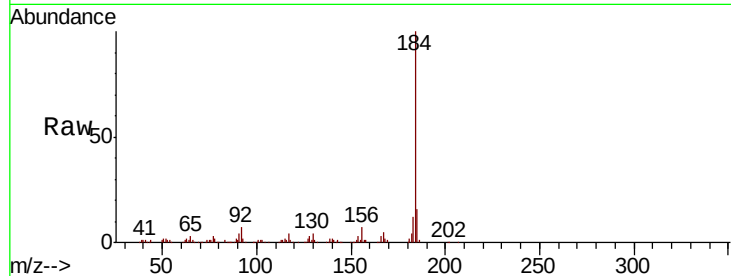
Tot Ion:184 Resp: 204302

Ion Ratio Lower Upper

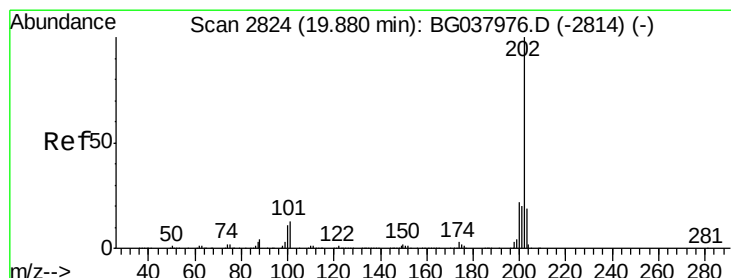
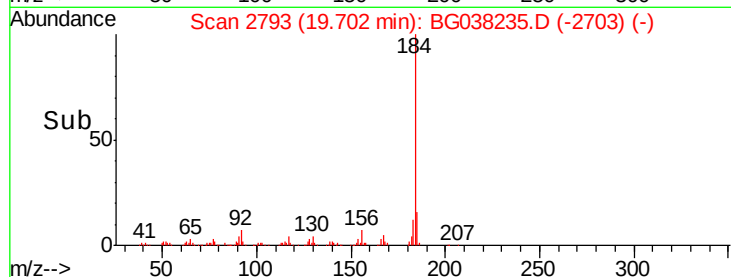
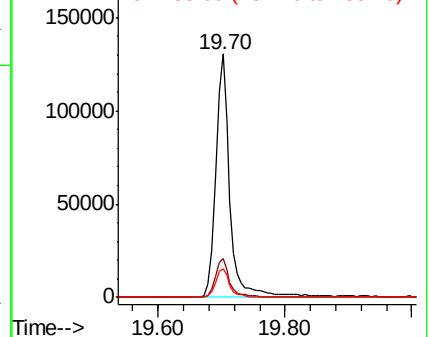
184 100

185 15.7 12.6 18.8

183 11.6 10.2 15.2



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: 46.755 ng

RT: 19.88 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

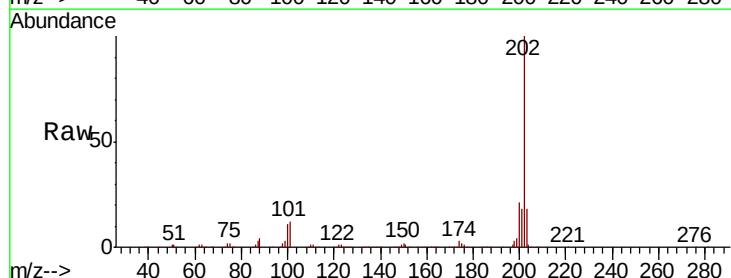
Tgt Ion:202 Resp: 645117

Ion Ratio Lower Upper

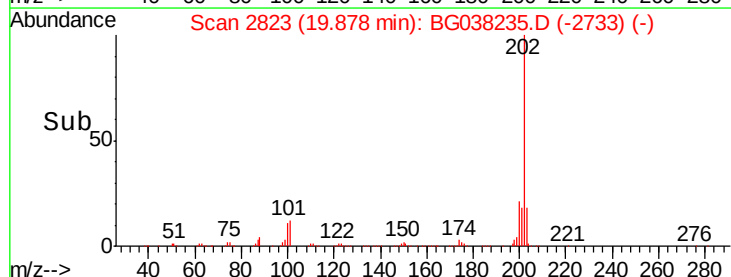
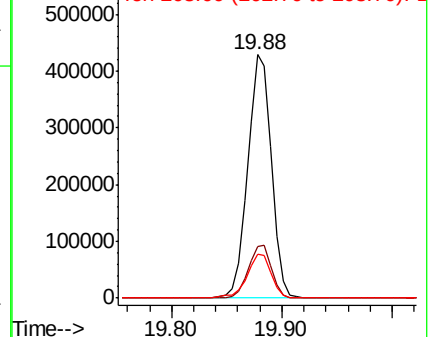
202 100

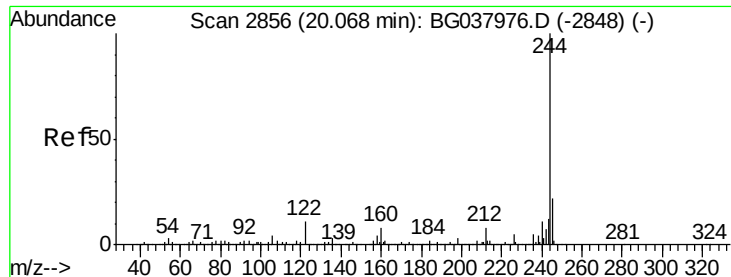
200 21.3 17.8 26.6

203 18.2 15.2 22.8



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: 76.434 ng

RT: 20.07 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

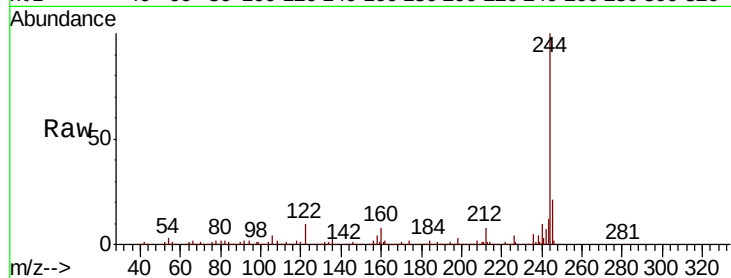
Tot Ion:244 Resp: 685521

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

122 10.0 9.0 13.4



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

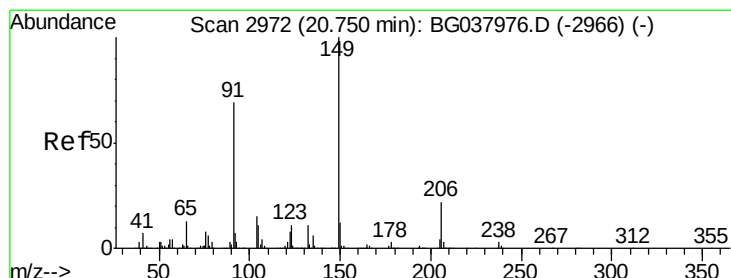
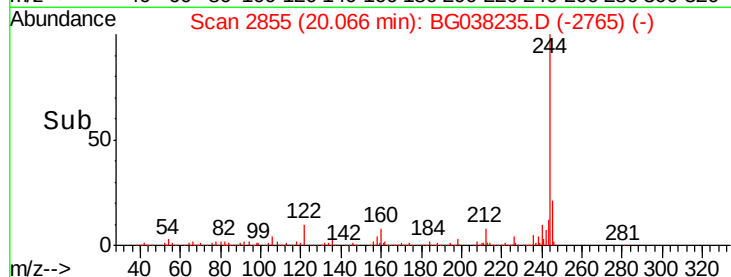
20.07

400000

200000

0

Time-->



#80

Butylbenzylphthalate

Concen: 46.997 ng

RT: 20.75 min Scan# 2971

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

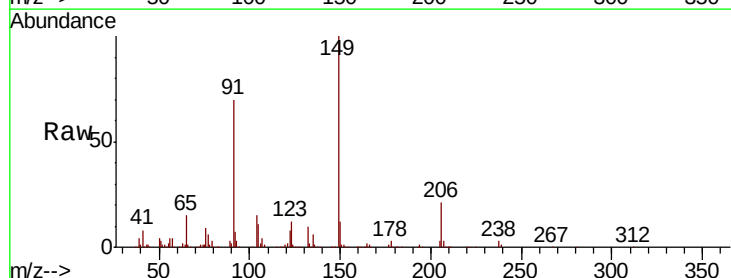
Tgt Ion:149 Resp: 283580

Ion Ratio Lower Upper

149 100

91 69.6 57.0 85.4

206 21.5 17.8 26.6



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

20.75

300000

250000

200000

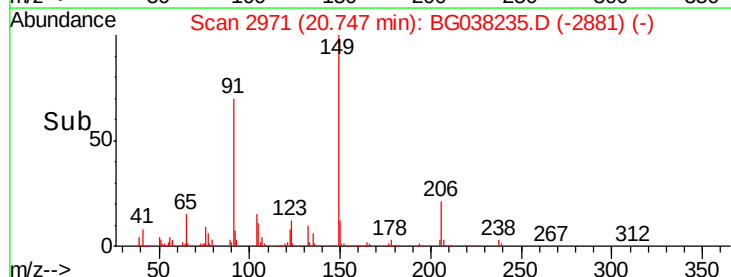
150000

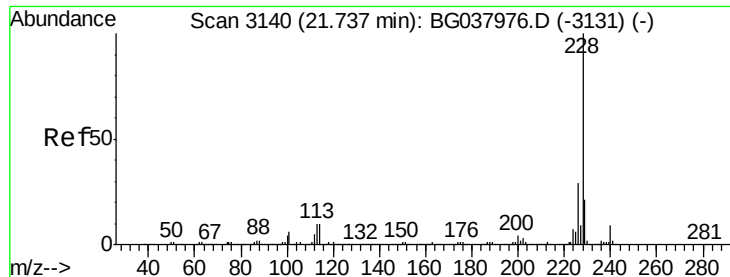
100000

50000

0

Time-->





#81

Benzo(a)anthracene

Concen: 47.904 ng

RT: 21.73 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

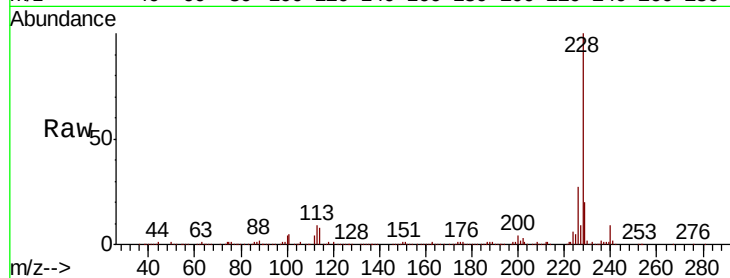
Tot Ion:228 Resp: 610933

Ion Ratio Lower Upper

228 100

226 26.8 22.6 33.8

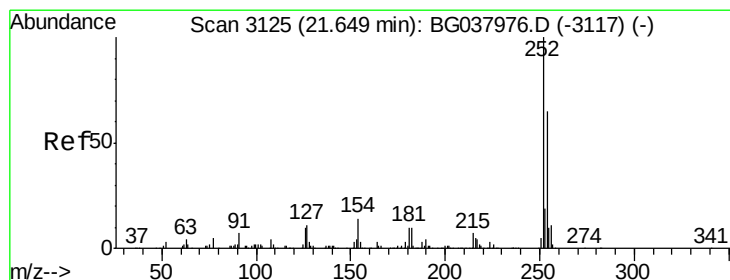
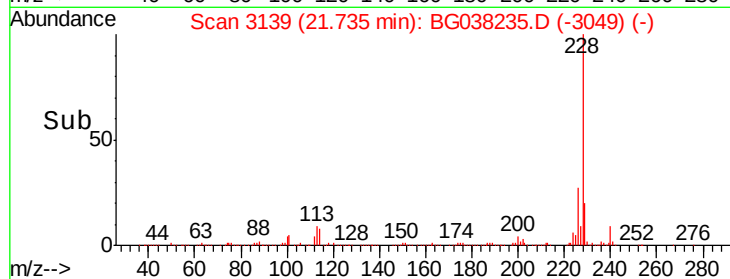
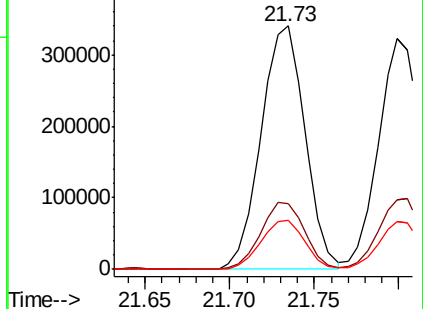
229 20.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 34.429 ng

RT: 21.65 min Scan# 3124

Delta R.T. -0.00 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

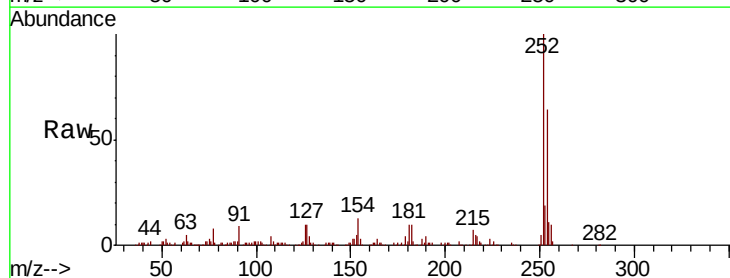
Tgt Ion:252 Resp: 171038

Ion Ratio Lower Upper

252 100

254 63.6 52.0 78.0

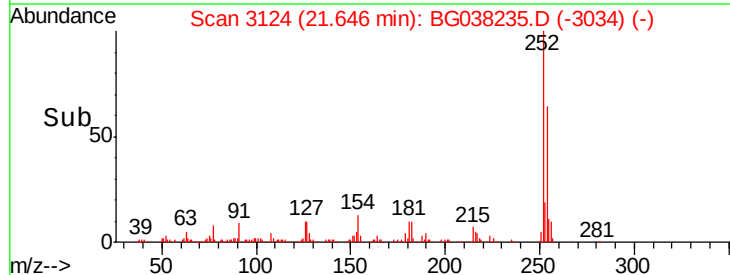
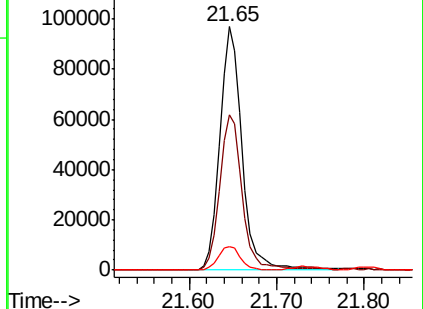
126 9.8 8.2 12.4

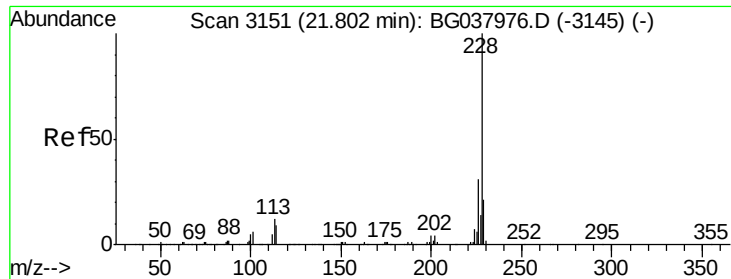


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

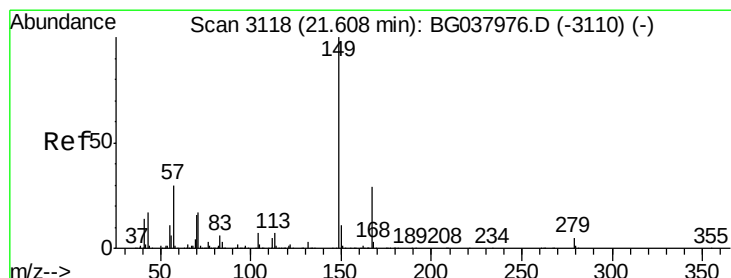
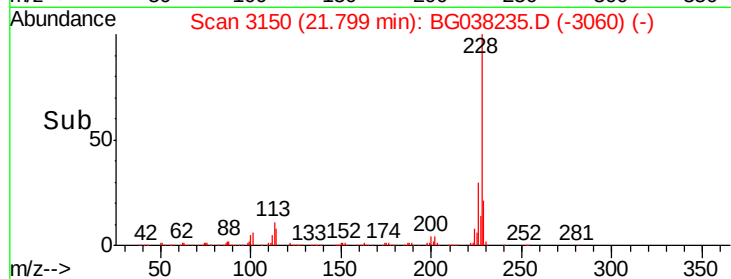
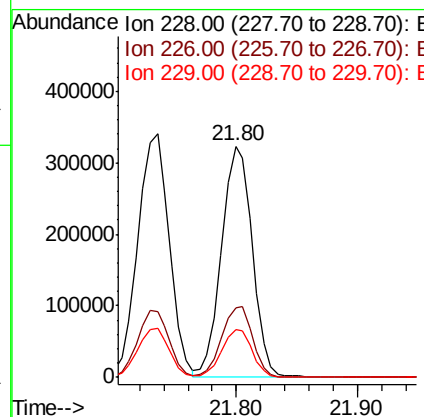
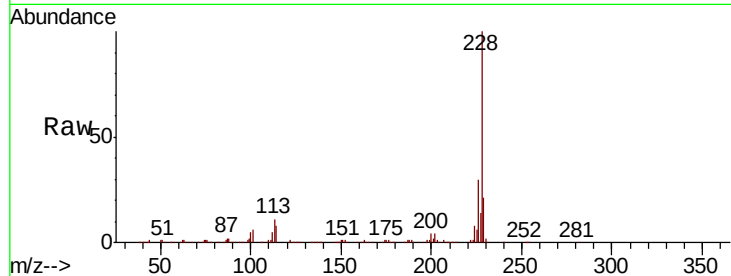




#83
 Chrysene
 Concen: 46.369 ng
 RT: 21.80 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

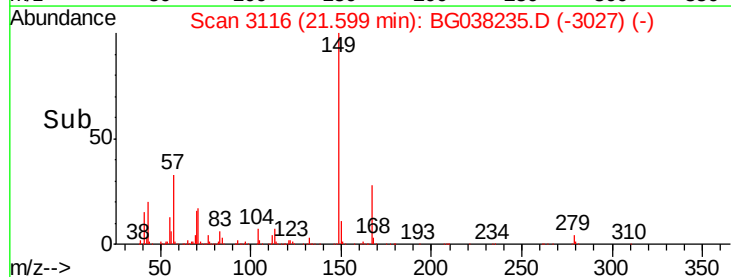
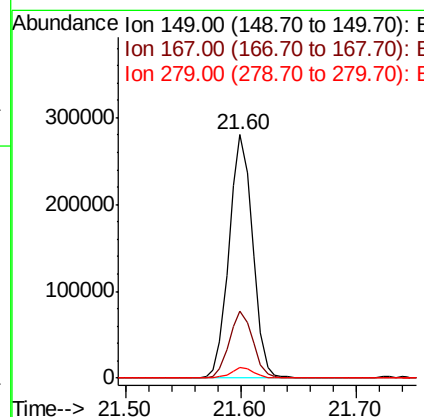
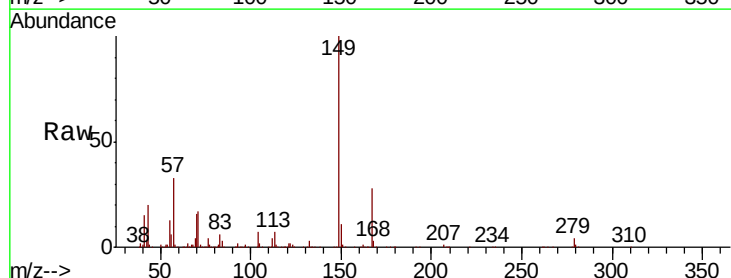
Instrument :
 BNA_F
 ClientSampled :

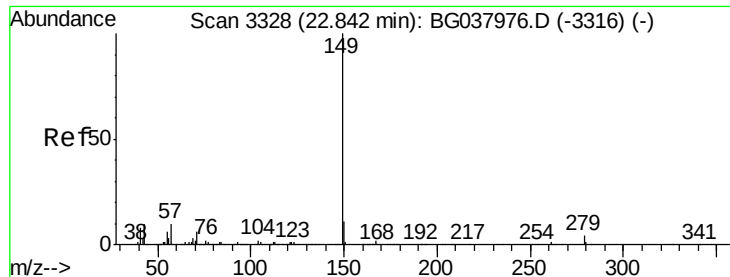
Tot Ion:228 Resp: 565799
 Ion Ratio Lower Upper
 228 100
 226 30.4 25.7 38.5
 229 20.7 16.5 24.7



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 46.059 ng
 RT: 21.60 min Scan# 3116
 Delta R.T. -0.01 min
 Lab File: BG038235.D
 Acq: 29 Nov 2018 16:24

Tgt Ion:149 Resp: 396339
 Ion Ratio Lower Upper
 149 100
 167 27.6 23.0 34.4
 279 4.3 3.6 5.4

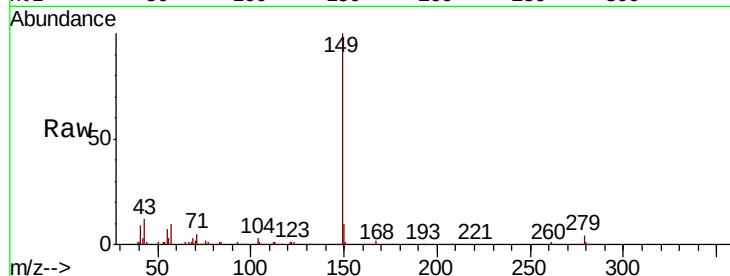




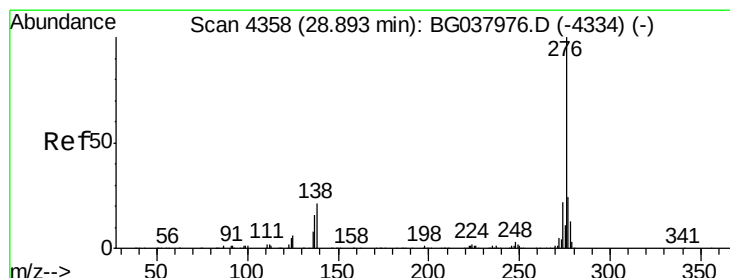
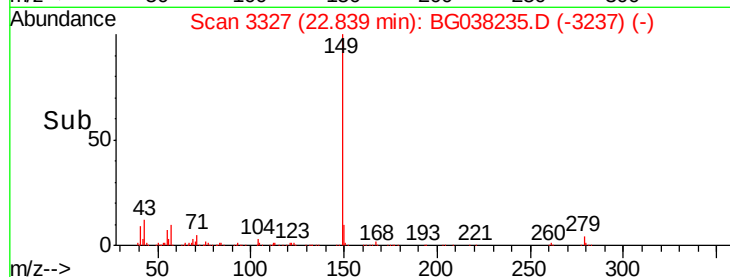
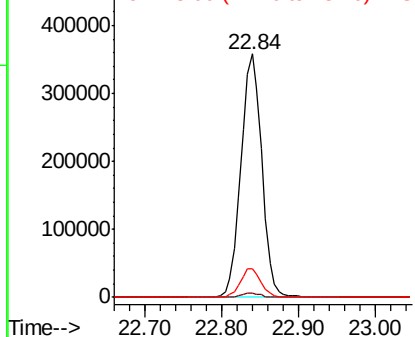
#85
Di-n-octyl phthalate
Concen: 48.964 ng
RT: 22.84 min Scan# 3327
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	8.7	13.1

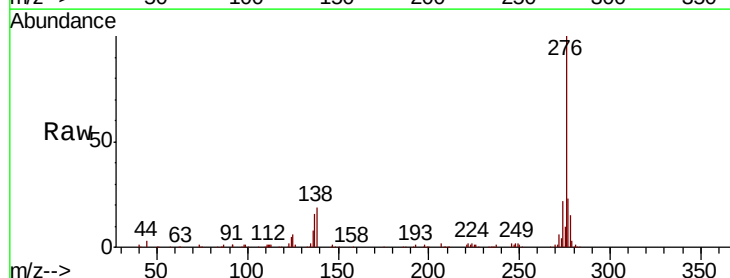


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): B

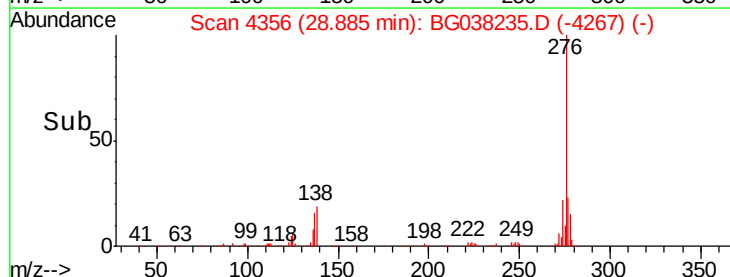
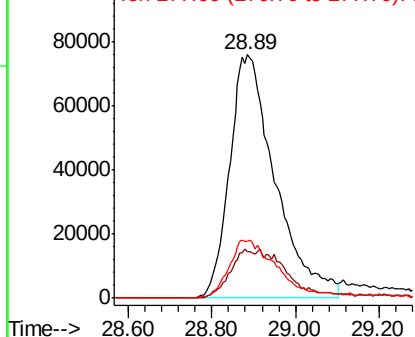


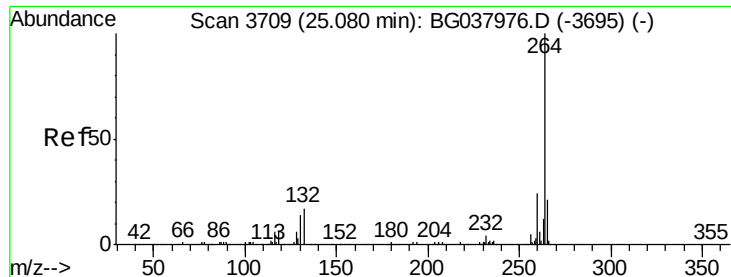
#86
Indeno(1,2,3-cd)pyrene
Concen: 42.605 ng
RT: 28.89 min Scan# 4356
Delta R.T. -0.01 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.5	12.0	18.0#
277	24.7	20.6	30.8



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

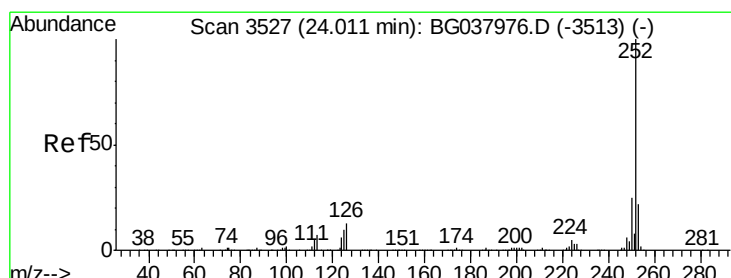
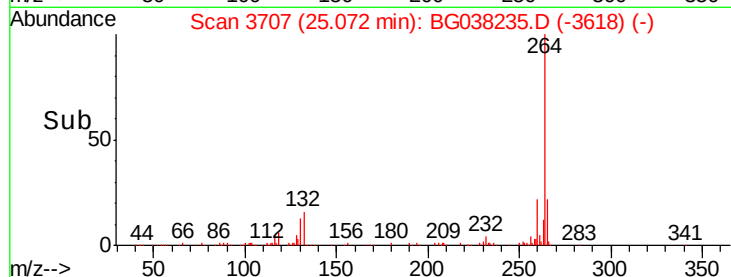
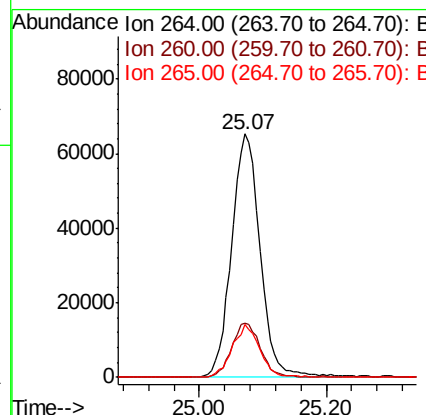
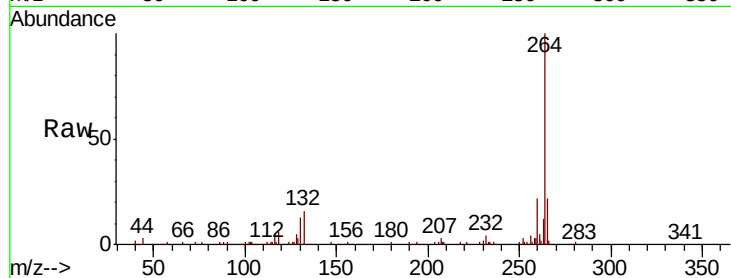




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3707
Delta R.T. -0.01 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

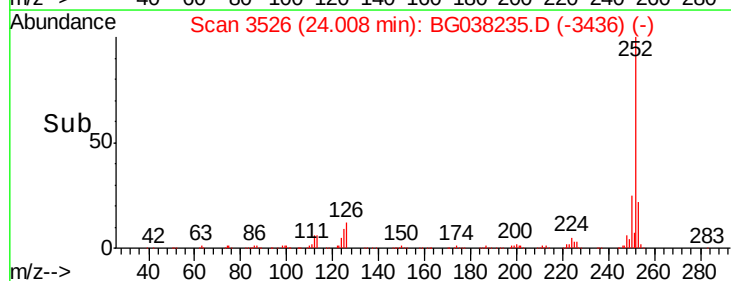
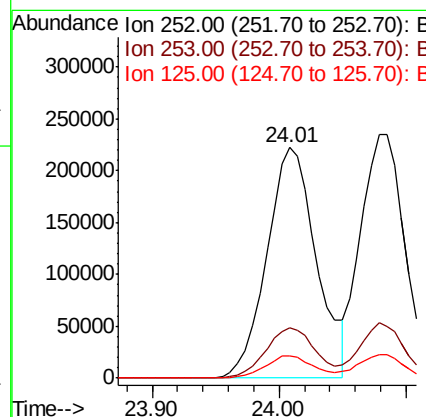
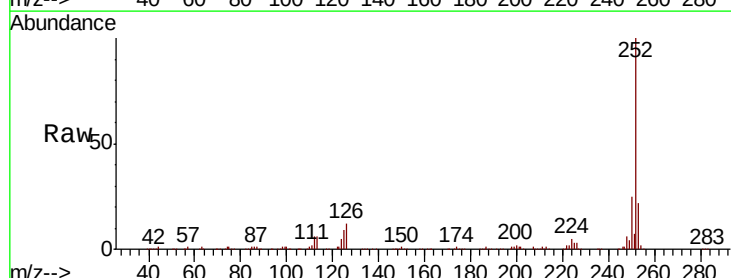
Instrument :
BNA_F
ClientSampleId :

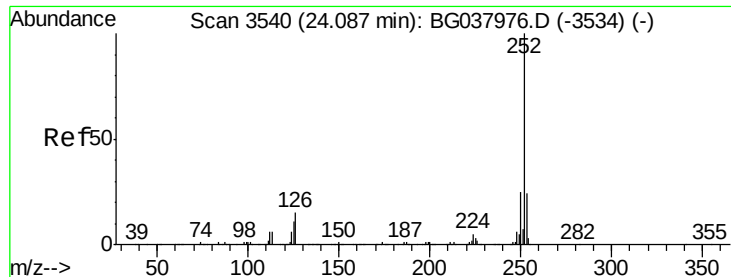
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.2	27.4
265	21.5	17.9	26.9



#88
Benzo(b)fluoranthene
Concen: 54.400 ng
RT: 24.01 min Scan# 3526
Delta R.T. -0.00 min
Lab File: BG038235.D
Acq: 29 Nov 2018 16:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	9.4	7.8	11.6





#89

Benzo(k)fluoranthene

Concen: 52.139 ng

RT: 24.08 min Scan# 3538

Delta R.T. -0.01 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

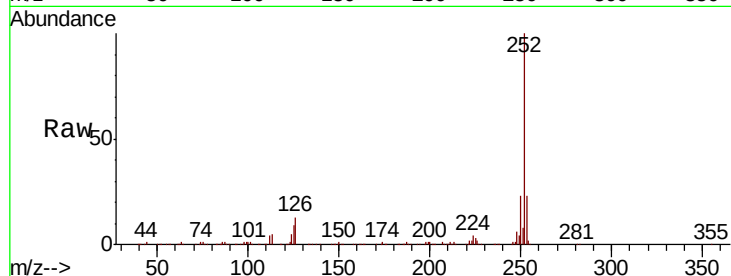
Tot Ion:252 Resp: 570799

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 9.5 7.4 11.0

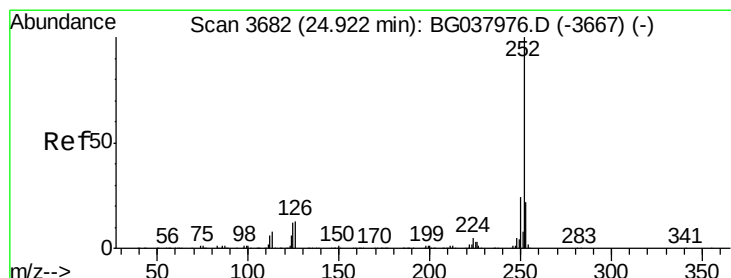
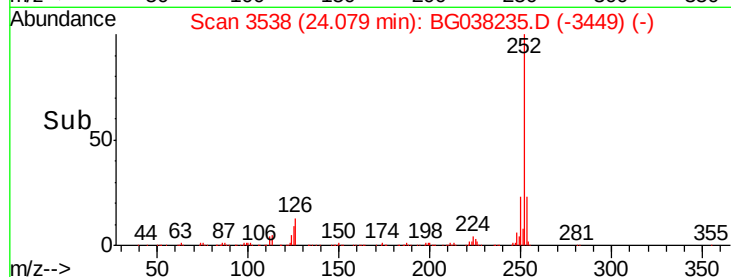
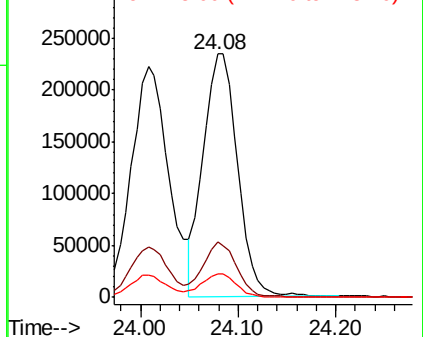


Abundance

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



#90

Benzo(a)pyrene

Concen: 54.263 ng

RT: 24.91 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

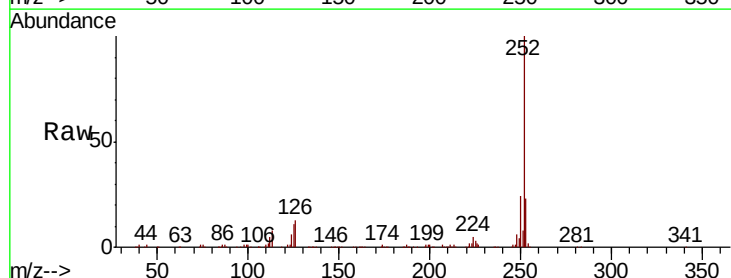
Tgt Ion:252 Resp: 575345

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 10.8 9.0 13.6

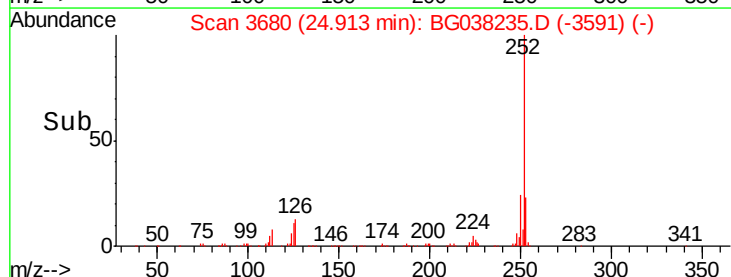
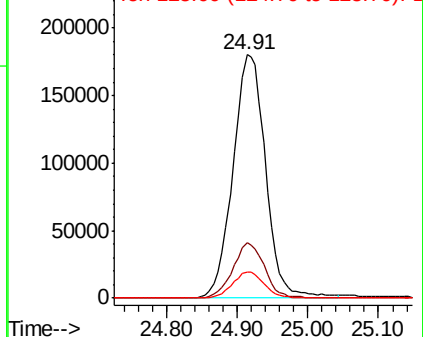


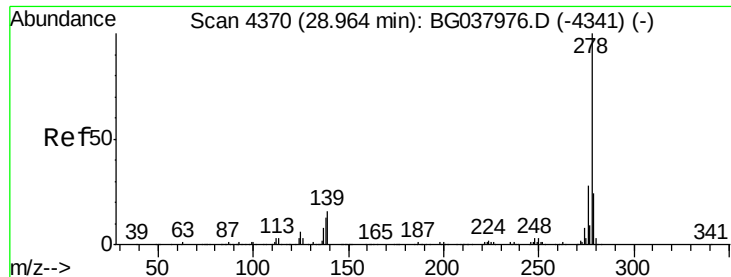
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 45.669 ng

RT: 28.95 min Scan# 4367

Delta R.T. -0.01 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

Instrument :

BNA_F

ClientSampleId :

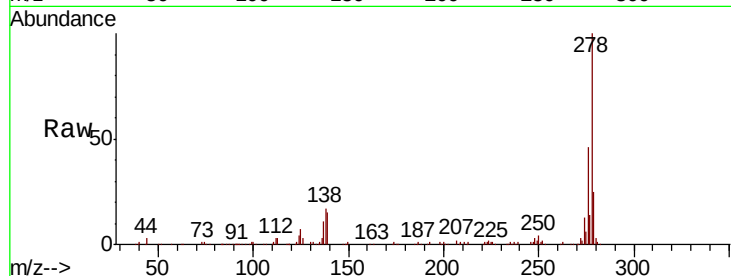
Tot Ion:278 Resp: 465907

Ion Ratio Lower Upper

278 100

139 15.1 11.5 17.3

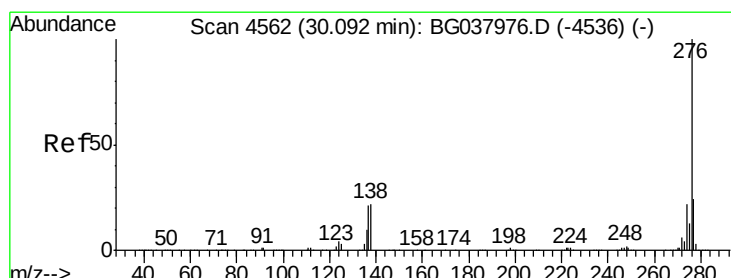
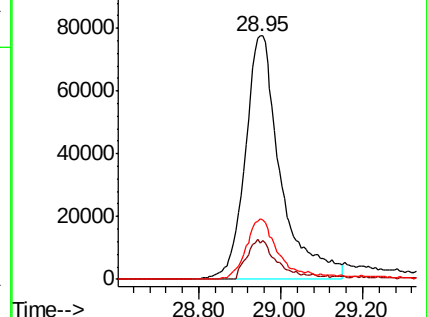
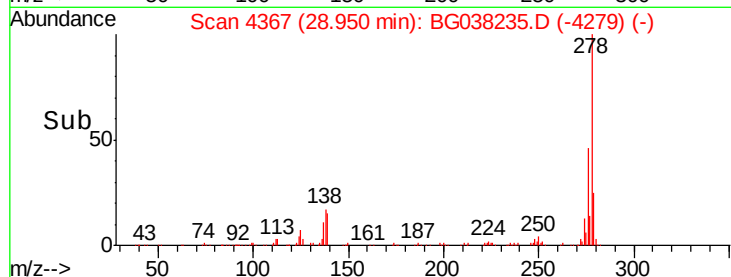
279 25.1 18.6 27.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 45.843 ng

RT: 30.08 min Scan# 4560

Delta R.T. -0.01 min

Lab File: BG038235.D

Acq: 29 Nov 2018 16:24

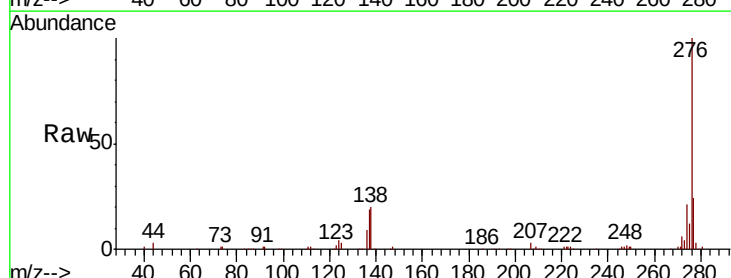
Tgt Ion:276 Resp: 465025

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 19.6 17.2 25.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

