

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
 Data File : BG034495.D
 Acq On : 16 May 2018 19:22
 Operator : SJ/JU
 Sample : J2604-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 17 03:16:36 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 16 22:24:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	46530	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	222159	20.00	ng	0.00
38) Acenaphthene-d10	14.70	164	165498	20.00	ng	0.00
63) Phenanthrene-d10	17.45	188	383546	20.00	ng	0.00
75) Chrysene-d12	21.74	240	377136	20.00	ng	0.00
86) Perylene-d12	25.01	264	411917	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	394760	130.67	ng	0.00
7) Phenol-d6	7.21	99	623404	127.56	ng	0.00
23) Nitrobenzene-d5	9.21	82	487184	83.77	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	367618	128.97	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1008297	82.71	ng	0.00
78) Terphenyl-d14	20.06	244	1698886	98.79	ng	0.00

Target Compounds

						Qvalue
12) 1,3-Dichlorobenzene	7.94	146	346142	92.068	ng	# 86
13) 1,4-Dichlorobenzene	8.08	146	770984	201.398	ng	94
14) 1,2-Dichlorobenzene	8.08	146	770984	205.186	ng	92
17) 2-Methylphenol	8.41	107	6848	2.092	ng	# 76
18) Hexachloroethane	9.13	117	3535	2.195	ng	# 64
19) n-Nitroso-di-n-propylamine	9.21	70	71771	17.931	ng	# 81
28) bis(2-Chloroethoxy)methane	10.26	93	632771	111.527	ng	98
29) 2,4-Dichlorophenol	10.51	162	973102	247.598	ng	98
30) 1,2,4-Trichlorobenzene	10.73	180	390776	83.623	ng	98
34) Hexachlorobutadiene	11.20	225	699001	188.278	ng	97
35) Caprolactam	12.14	113	17457	11.684	ng	# 1
36) 4-Chloro-3-methylphenol	12.14	107	475983	89.883	ng	85
37) 2-Methylnaphthalene	12.52	142	571305	61.245	ng	# 91
42) 2,4,6-Trichlorophenol	13.13	196	938926	242.652	ng	93
43) 2,4,5-Trichlorophenol	13.20	196	395274	93.101	ng	# 91
46) 2-Chloronaphthalene	13.58	162	951290	92.718	ng	97
48) Acenaphthylene	14.42	152	2042710	130.095	ng	95
49) Dimethylphthalate	14.16	163	129826	9.088	ng	98
50) 2,6-Dinitrotoluene	14.28	165	794537	271.225	ng	# 73
51) Acenaphthene	14.76	154	1054057	103.549	ng	93
55) 4-Nitrophenol	14.93	139	400644	168.388	ng	# 51
57) Fluorene	15.75	166	1491933	114.484	ng	98
60) 4-Chlorophenyl-phenylether	15.74	204	1534006	198.223	ng	# 86
61) 4-Nitroaniline	15.75	138	31837	10.372	ng	# 30
62) Azobenzene	15.74	77	696671	44.174	ng	# 42
65) n-Nitrosodiphenylamine	15.74	169	192026	17.121	ng	# 63
66) 4-Bromophenyl-phenylether	16.64	248	1014522	200.990	ng	# 92
67) Hexachlorobenzene	16.76	284	927777	166.335	ng	95
68) Atrazine	17.11	200	202440	40.727	ng	# 35
69) Pentachlorophenol	17.11	266	928145	275.926	ng	98
70) Phenanthrene	17.50	178	2522694	120.760	ng	95
71) Anthracene	17.50	178	2522694	119.176	ng	95
73) Di-n-butylphthalate	18.42	149	3047488	140.509	ng	# 90
74) Fluoranthene	19.51	202	2320828	90.396	ng	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

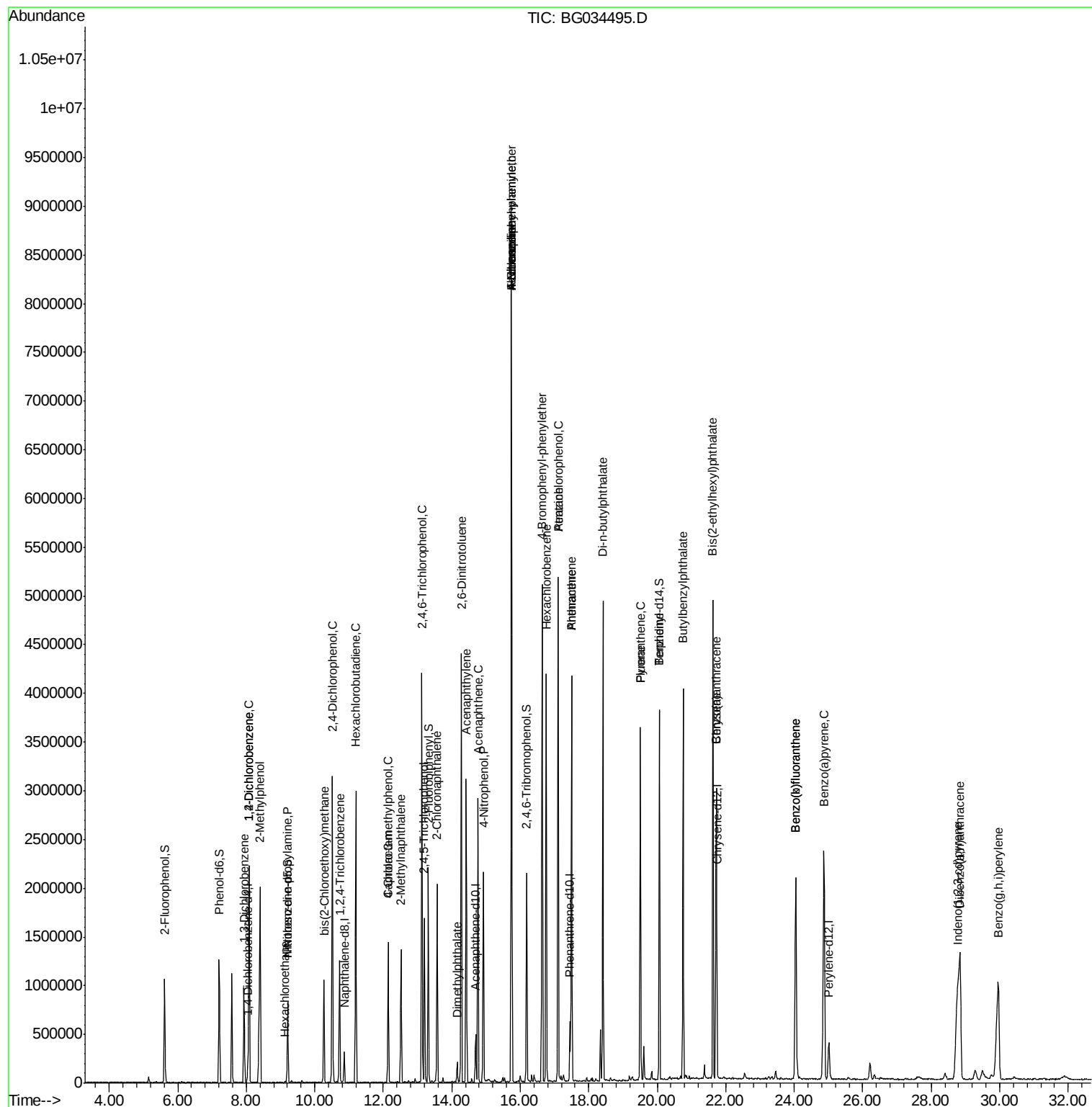
76) Benzidine	20.06	184	34689	6.528	nq	97
77) Pyrene	19.51	202	2320828	98.311	nq	95
79) Butylbenzylphthalate	20.76	149	1036552	113.881	nq	89
80) Benzo(a)anthracene	21.73	228	1978904	80.752	nq	97
82) Chrysene	21.73	228	1978904	88.048	nq	95
83) Bis(2-ethylhexyl)phthalate	21.63	149	1856231	150.159	nq	# 98
85) Indeno(1,2,3-cd)pyrene	28.76	276	2530843	88.007	nq	# 79
87) Benzo(b)fluoranthene	24.05	252	2280180	87.480	nq	# 94
88) Benzo(k)fluoranthene	24.05	252	2280180	92.090	nq	# 93
89) Benzo(a)pyrene	24.87	252	2845058	115.000	nq	# 95
90) Dibenzo(a,h)anthracene	28.84	278	2326744	94.839	nq	# 94
91) Benzo(a,h,i)perylene	29.95	276	2451766	99.414	nq	# 89

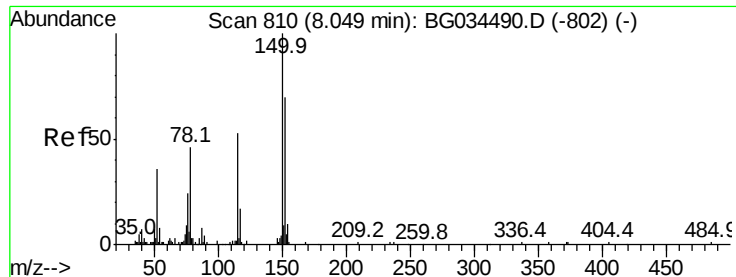
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 810

Delta R.T. -0.00 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

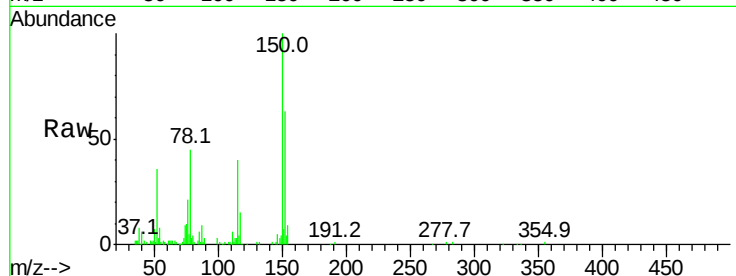
Tot Ion:152 Resp: 46530

Ion Ratio Lower Upper

152 100

150 159.5 126.6 189.8

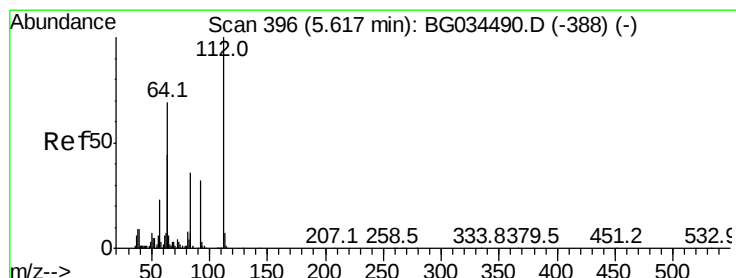
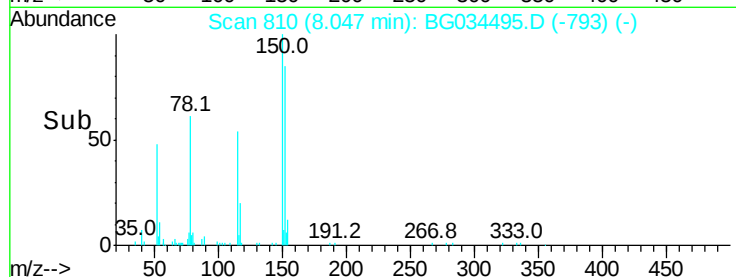
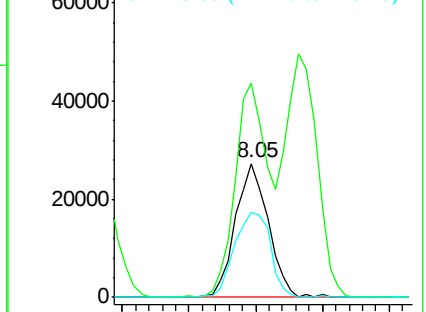
115 63.3 53.0 79.4



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



#5

2-Fluorophenol

Concen: 130.673 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

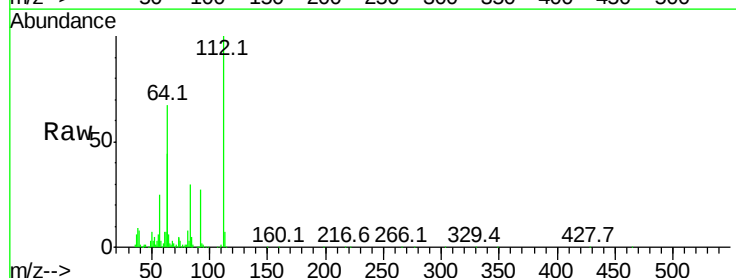
Tgt Ion:112 Resp: 394760

Ion Ratio Lower Upper

112 100

64 67.3 56.3 84.5

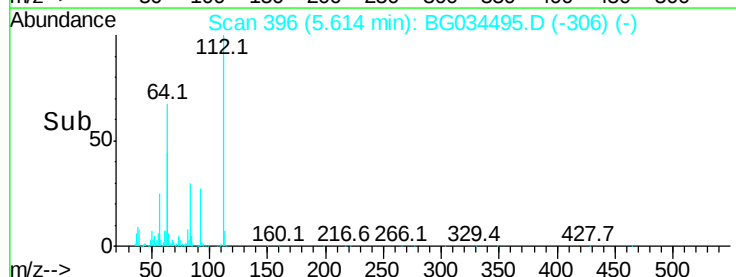
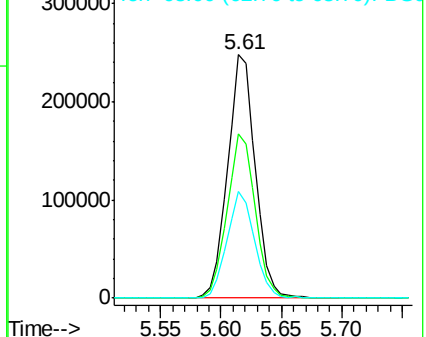
63 43.6 30.1 45.1

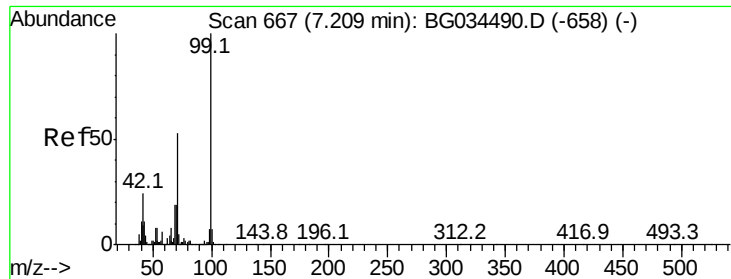


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 127.564 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

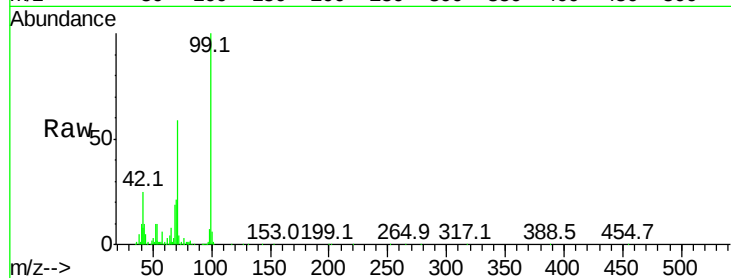
Tot Ion: 99 Resp: 623404

Ion Ratio Lower Upper

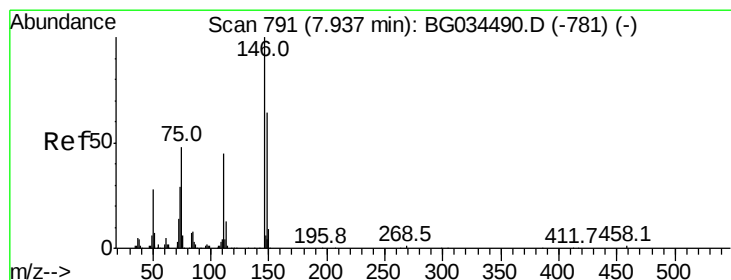
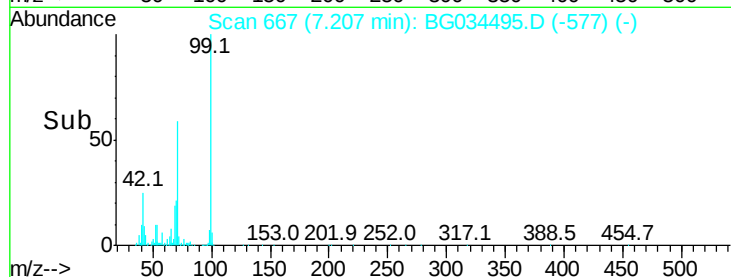
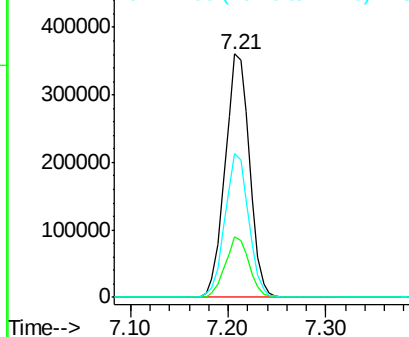
99 100

42 25.1 14.1 21.1#

71 59.3 26.1 39.1#



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



#12

1,3-Dichlorobenzene

Concen: 92.068 ng

RT: 7.94 min Scan# 791

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

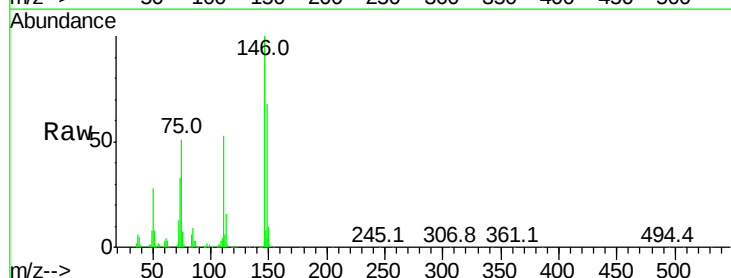
Tgt Ion: 146 Resp: 346142

Ion Ratio Lower Upper

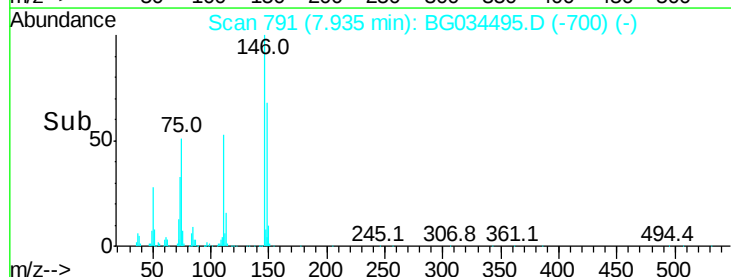
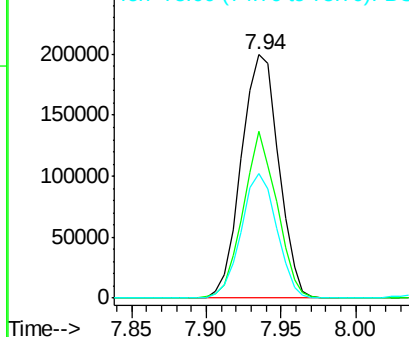
146 100

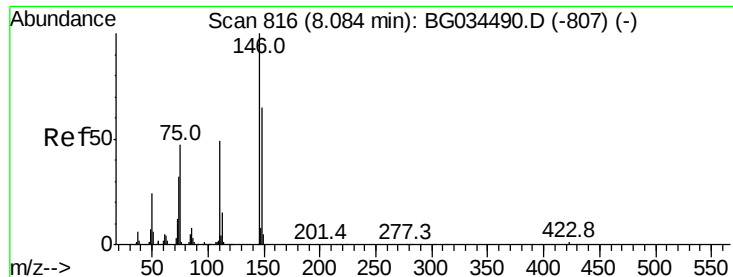
148 68.5 51.4 77.2

75 51.4 26.6 39.8#



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

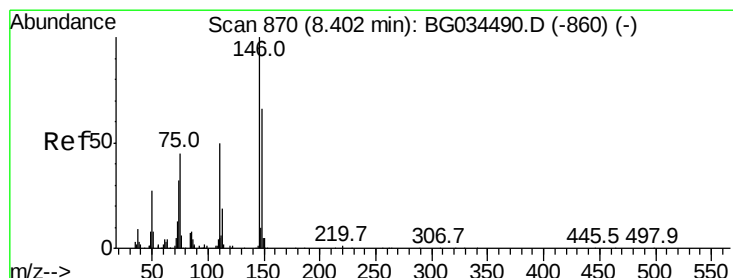
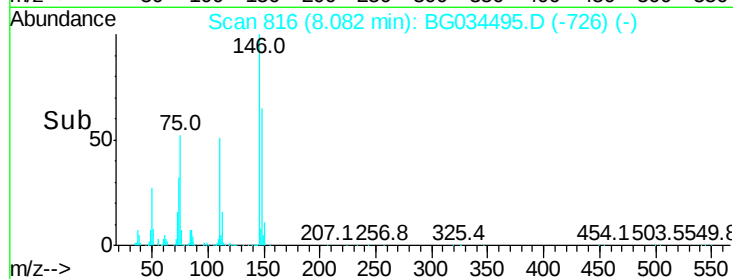
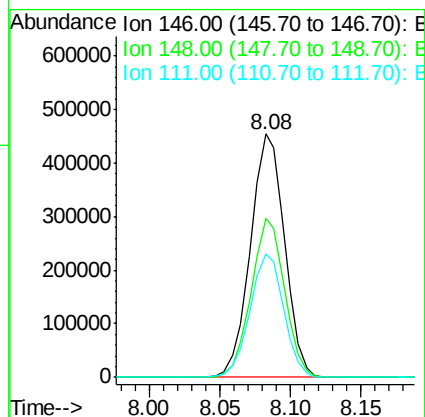
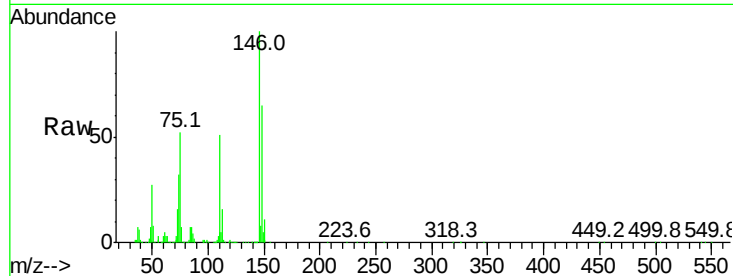




#13
 1,4-Dichlorobenzene
 Concen: 201.398 ng
 RT: 8.08 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

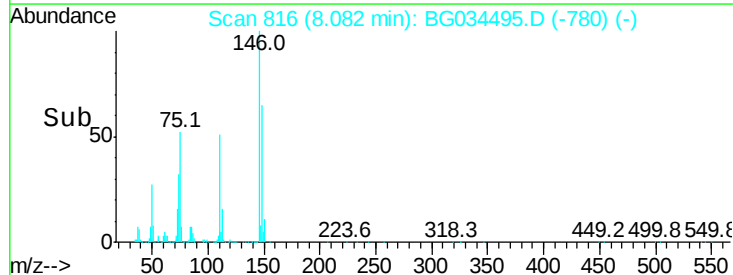
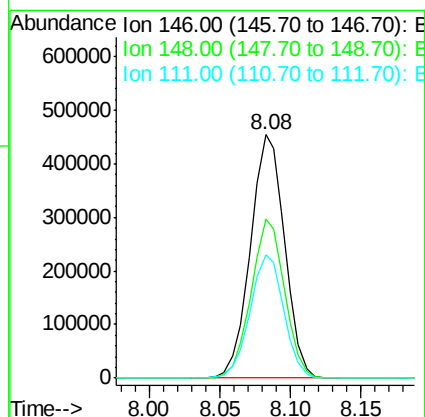
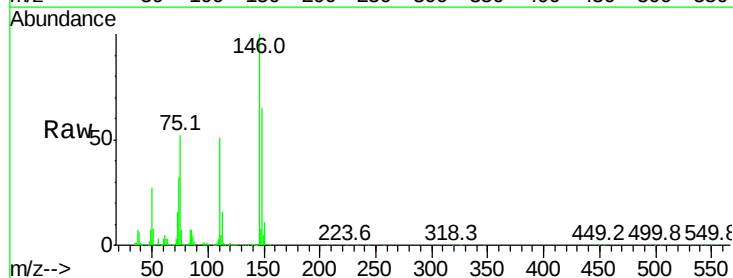
Instrument :
 BNA_G
 ClientSampleId :

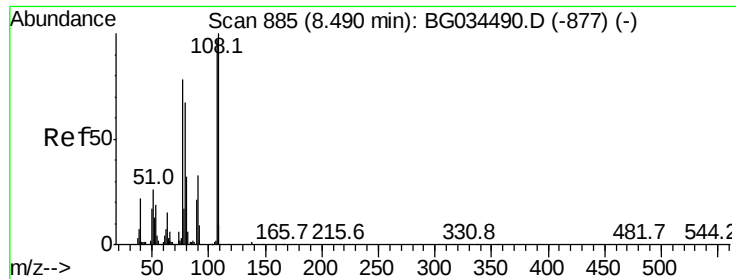
Tot Ion:146 Resp: 770984
 Ion Ratio Lower Upper
 146 100
 148 65.3 53.7 80.5
 111 50.8 35.2 52.8



#14
 1,2-Dichlorobenzene
 Concen: 205.186 ng
 RT: 8.08 min Scan# 816
 Delta R.T. -0.32 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Tgt Ion:146 Resp: 770984
 Ion Ratio Lower Upper
 146 100
 148 65.3 49.3 73.9
 111 50.8 34.3 51.5





#17

2-Methylphenol

Concen: 2.092 ng

RT: 8.41 min Scan# 871

Delta R.T. -0.09 min

Lab File: BG034495.D

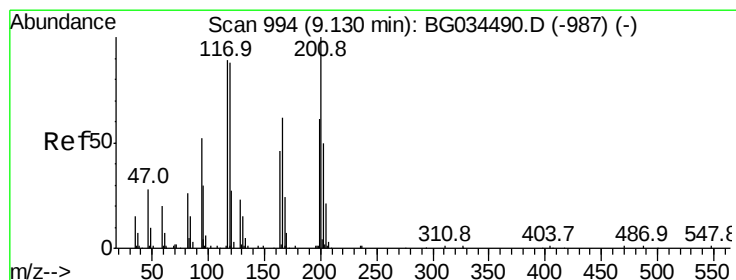
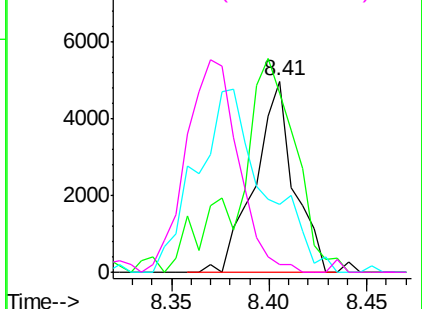
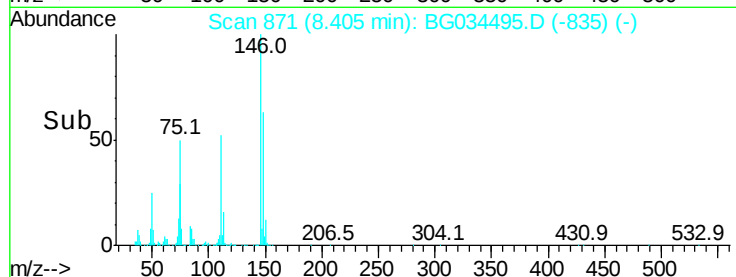
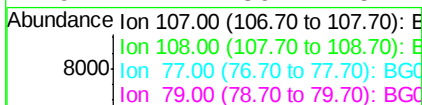
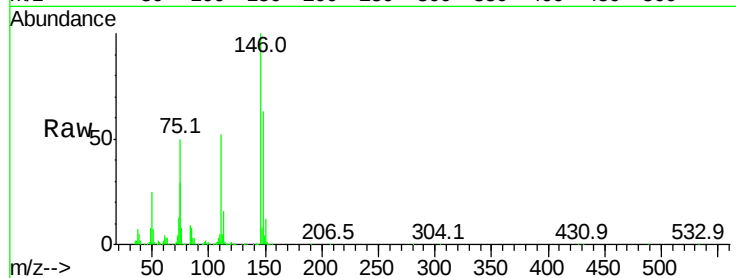
Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	107	Resp:	6848
Ion	Ratio	Lower	Upper
107	100		
108	94.2	83.9	125.9
77	35.5	37.2	55.8#
79	4.1	36.2	54.2#



#18

Hexachloroethane

Concen: 2.195 ng

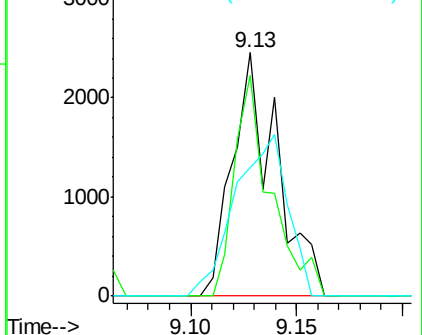
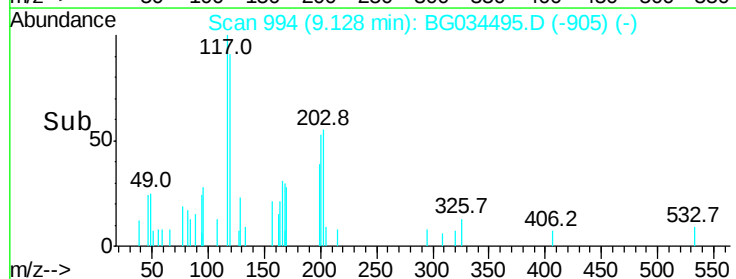
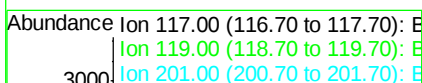
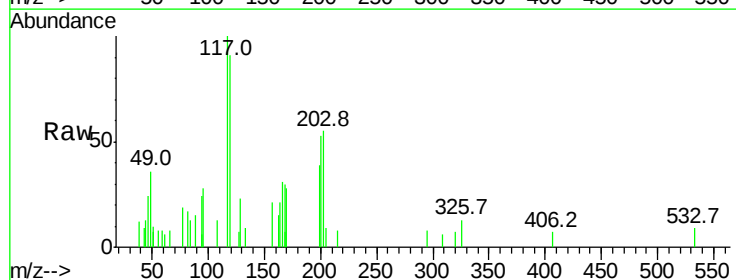
RT: 9.13 min Scan# 994

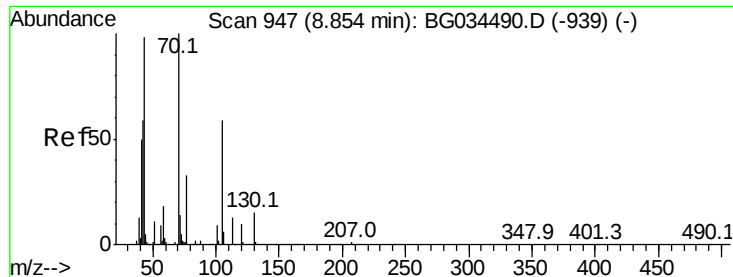
Delta R.T. -0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Tgt Ion:	117	Resp:	3535
Ion	Ratio	Lower	Upper
117	100		
119	90.5	76.7	115.1
201	52.6	95.7	143.5#





#19

n-Nitroso-di-n-propylamine

Concen: 17.931 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BG034495.D

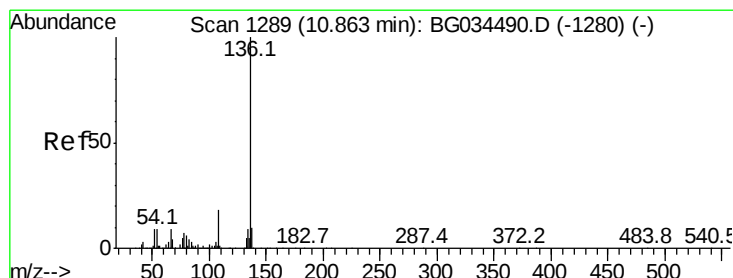
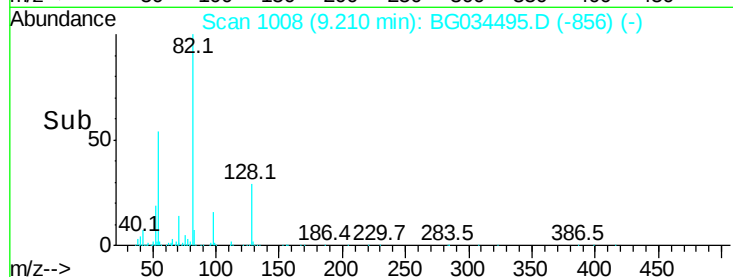
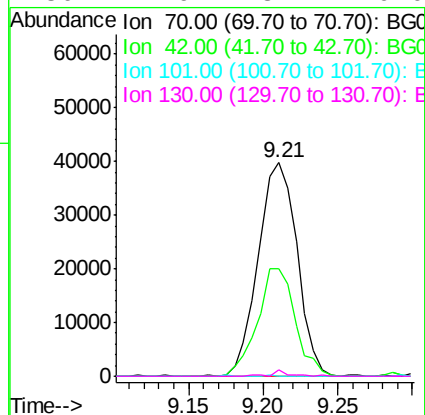
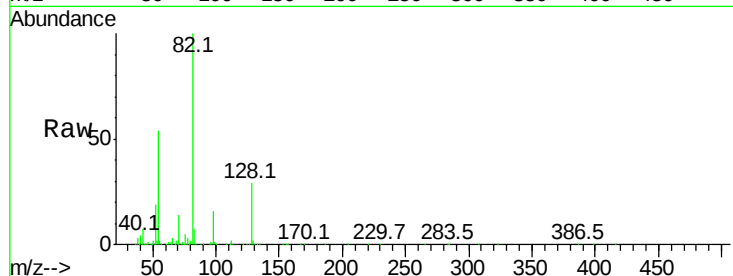
Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	70	Resp:	71771
Ion	Ratio	Lower	Upper
70	100		
42	50.6	49.1	73.7
101	0.0	8.5	12.7#
130	2.9	13.4	20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

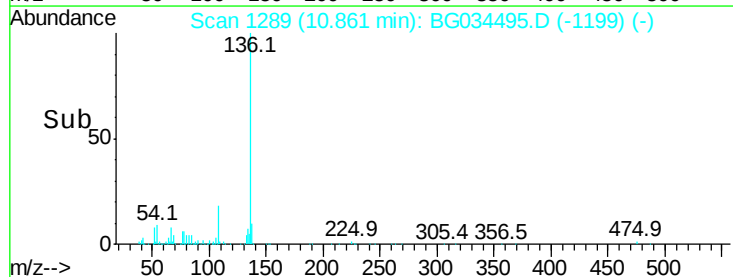
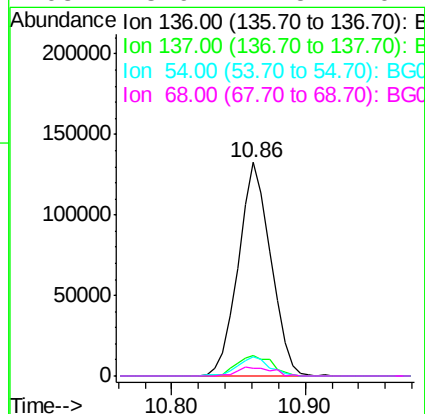
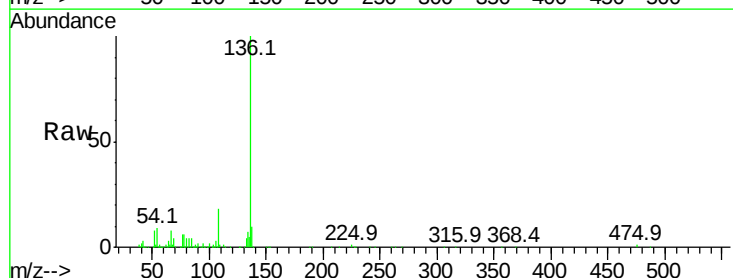
RT: 10.86 min Scan# 1289

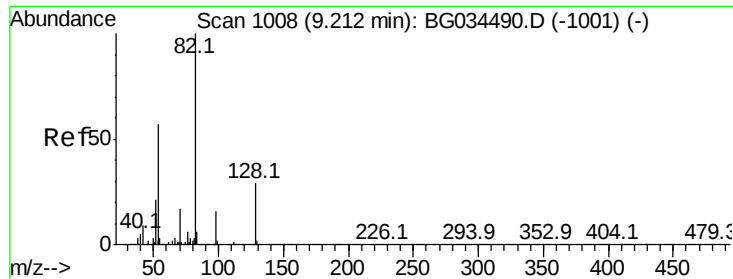
Delta R.T. -0.00 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Tgt Ion:	136	Resp:	222159
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.2	13.8
54	9.2	10.3	15.5#
68	3.9	4.5	6.7#

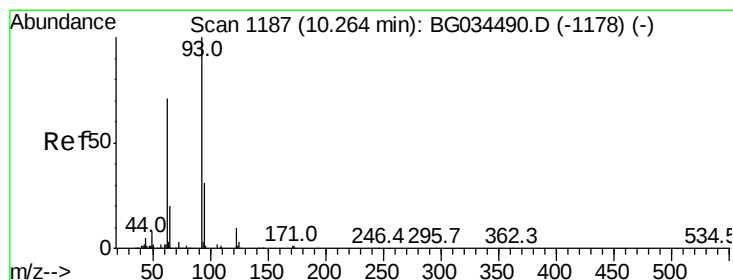
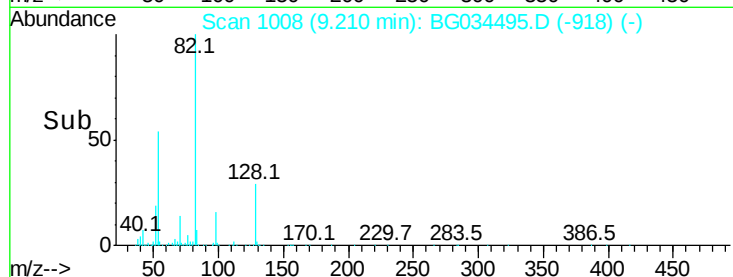
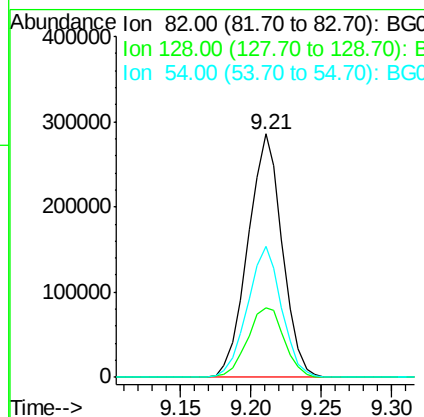
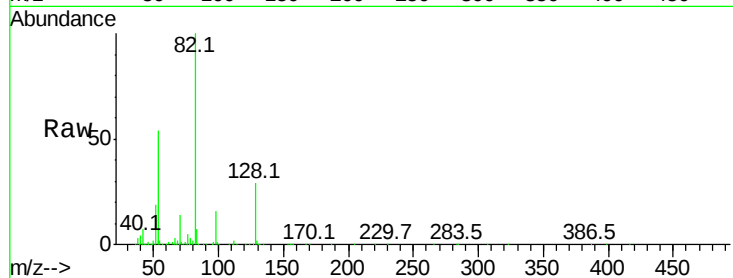




#23
 Nitrobenzene-d5
 Concen: 83.772 ng
 RT: 9.21 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

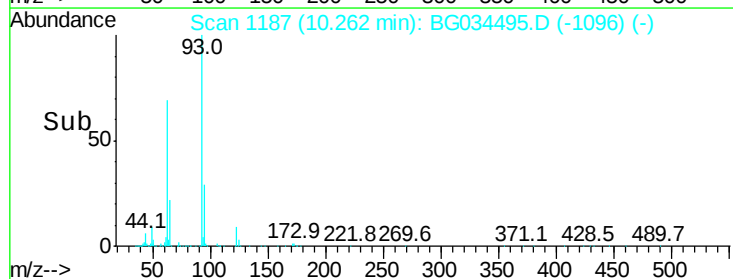
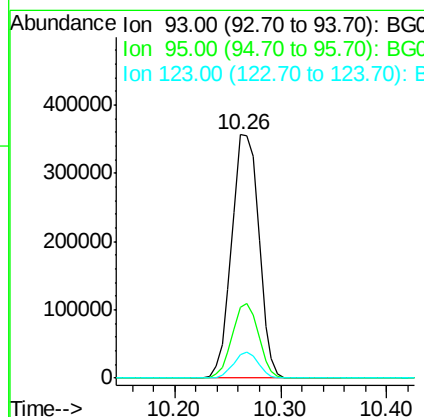
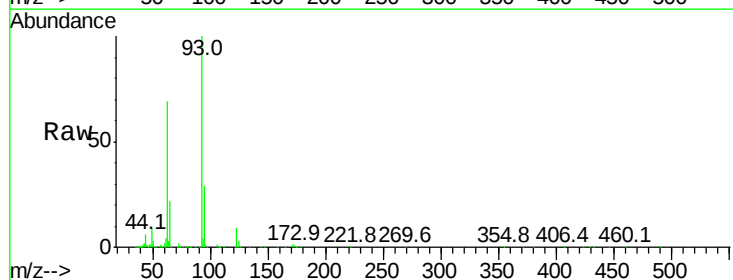
Instrument :
 BNA_G
 ClientSampleId :

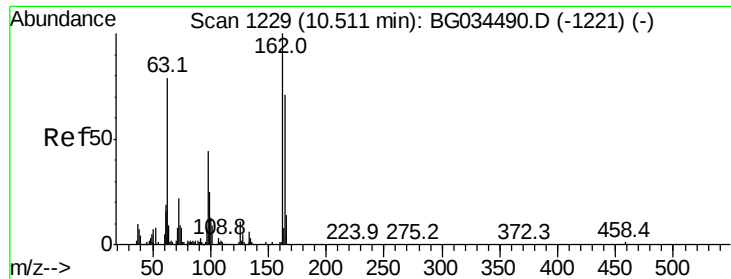
Tot Ion	82	Resp	487184
Ion Ratio	100	Lower	Upper
128	28.5	29.7	44.5#
54	53.9	43.1	64.7



#28
 bis(2-Chloroethoxy)methane
 Concen: 111.527 ng
 RT: 10.26 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Tgt Ion	93	Resp	632771
Ion Ratio	100	Lower	Upper
95	29.2	24.3	36.5
123	9.4	8.4	12.6

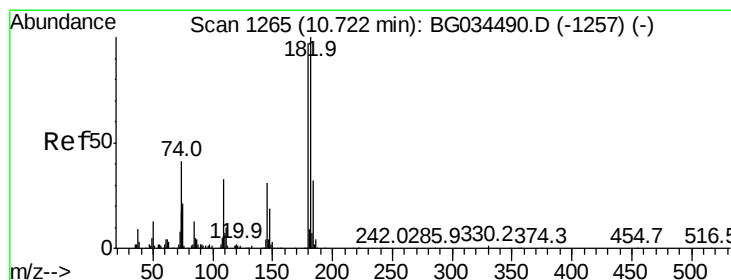
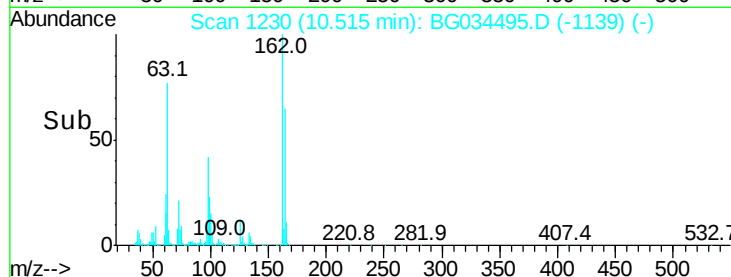
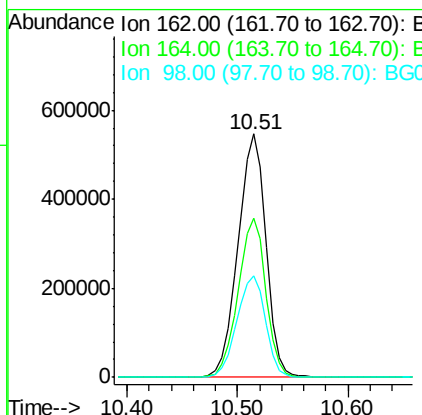
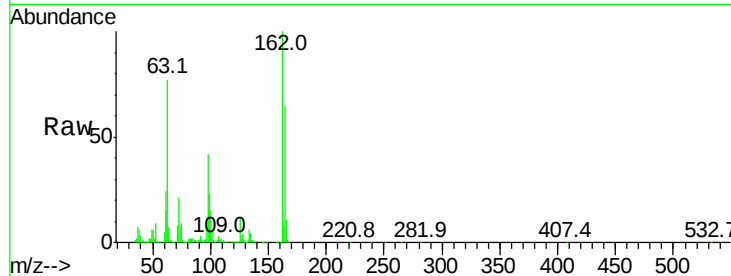




#29
 2,4-Dichlorophenol
 Concen: 247.598 ng
 RT: 10.51 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

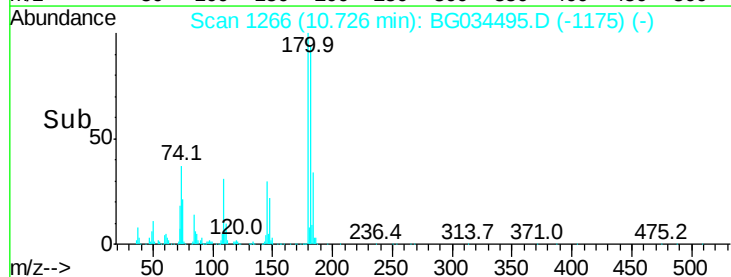
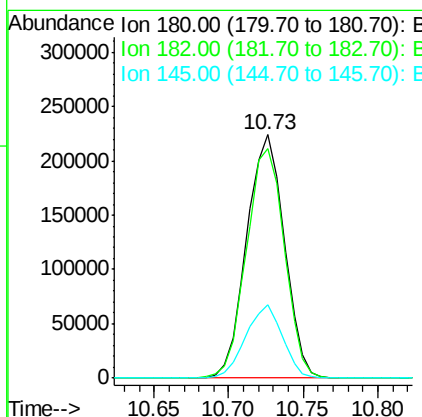
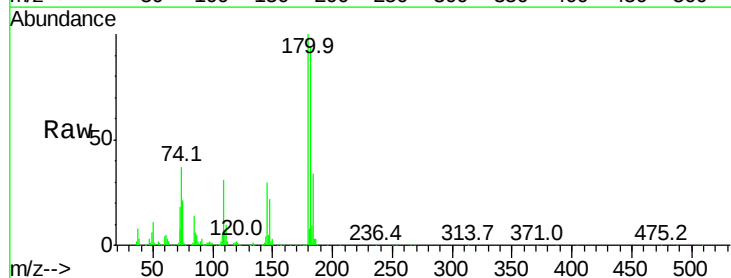
Instrument :
 BNA_G
 ClientSampleId :

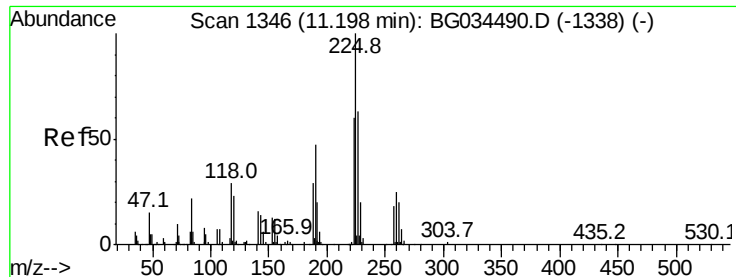
Tot Ion:162 Resp: 973102
 Ion Ratio Lower Upper
 162 100
 164 65.5 48.0 88.0
 98 41.8 21.1 61.1



#30
 1,2,4-Trichlorobenzene
 Concen: 83.623 ng
 RT: 10.73 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Tgt Ion:180 Resp: 390776
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.5 116.3
 145 30.1 23.4 35.2





#34

Hexachlorobutadiene

Concen: 188.278 ng

RT: 11.20 min Scan# 1346

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampled :

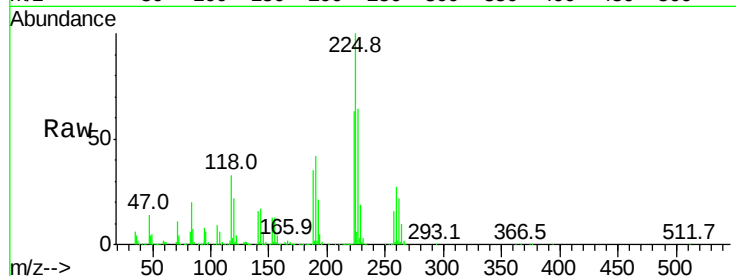
Tot Ion:225 Resp: 699001

Ion Ratio Lower Upper

225 100

223 62.6 49.7 74.5

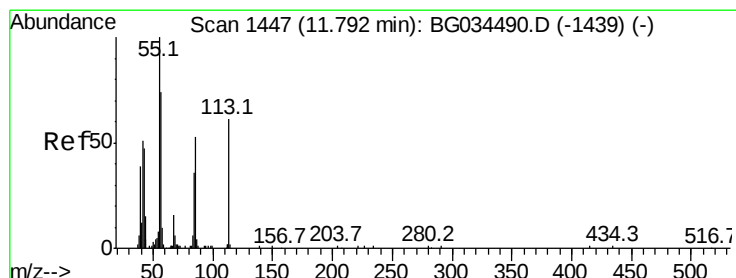
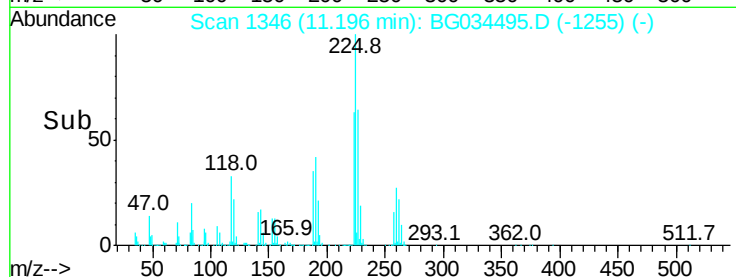
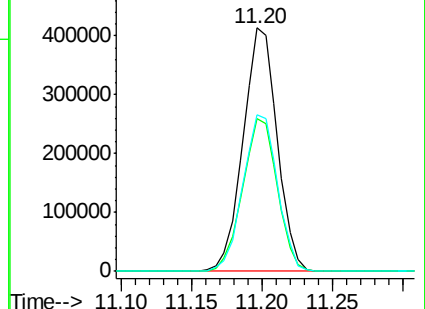
227 64.4 48.1 72.1



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 11.684 ng

RT: 12.14 min Scan# 1507

Delta R.T. 0.35 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

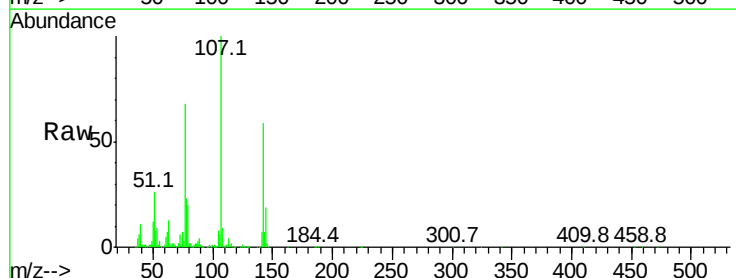
Tgt Ion:113 Resp: 17457

Ion Ratio Lower Upper

113 100

55 59.8 186.9 226.9#

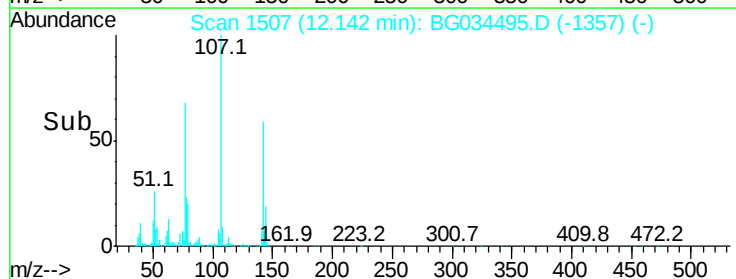
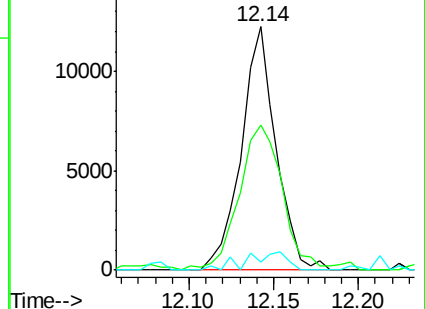
56 3.5 130.9 170.9#

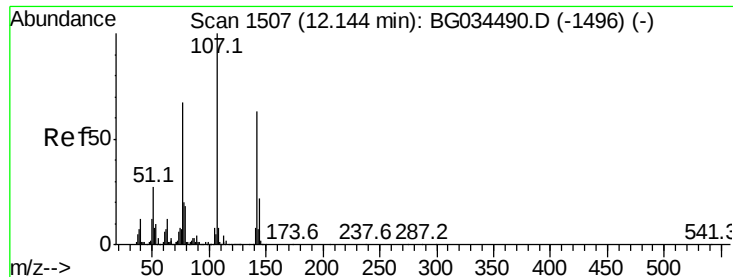


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0

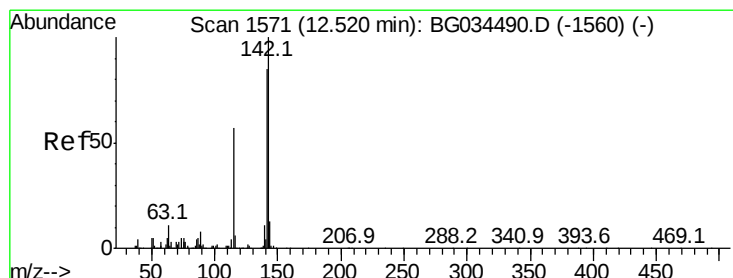
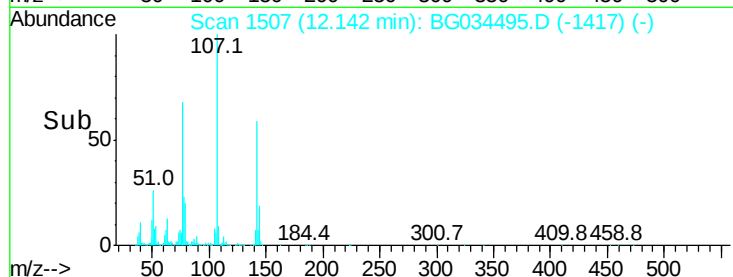
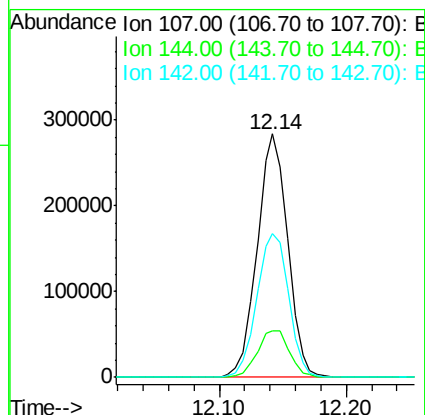
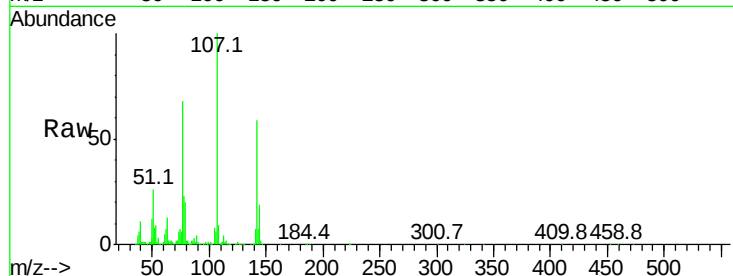




#36
4-Chloro-3-methylphenol
Concen: 89.883 ng
RT: 12.14 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BG034495.D
Acq: 16 May 2018 19:22

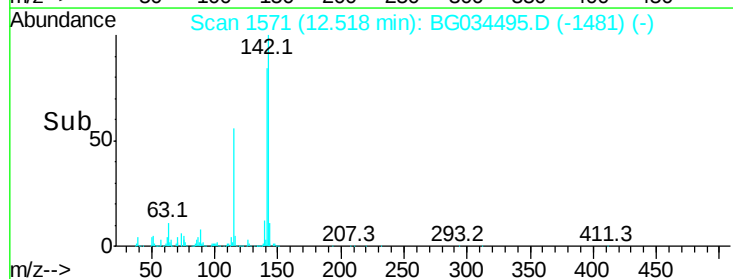
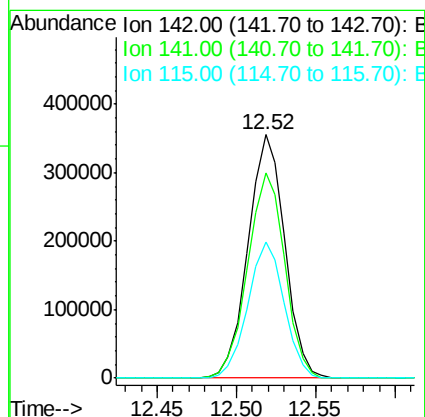
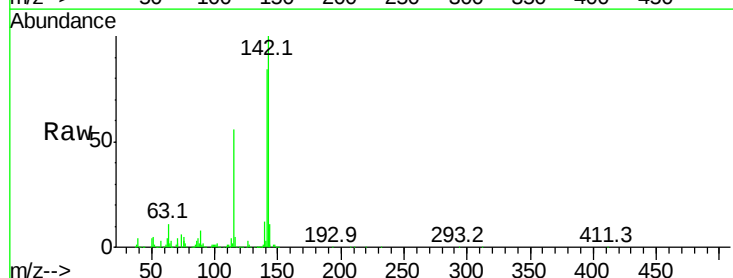
Instrument :
BNA_G
ClientSampleId :

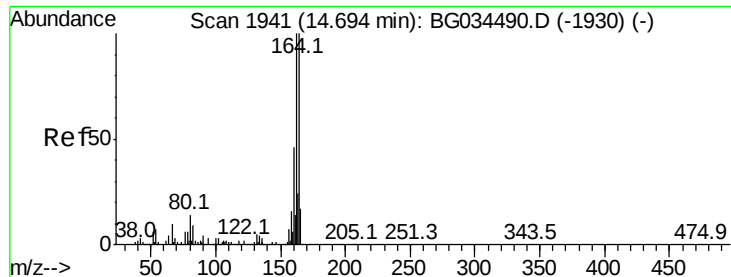
Tot Ion	Ratio	Lower	Upper
107	100		
144	18.9	18.2	27.4
142	59.1	59.0	88.4



#37
2-Methylnaphthalene
Concen: 61.245 ng
RT: 12.52 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BG034495.D
Acq: 16 May 2018 19:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.1	100.7
115	55.9	30.7	46.1#

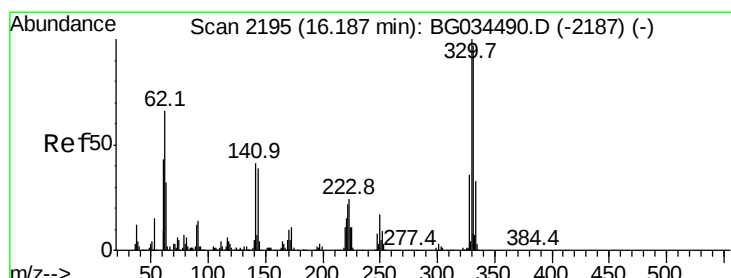
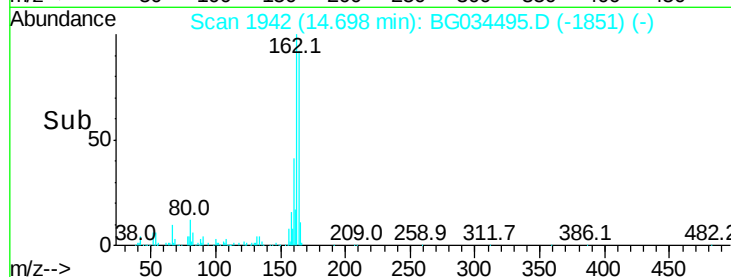
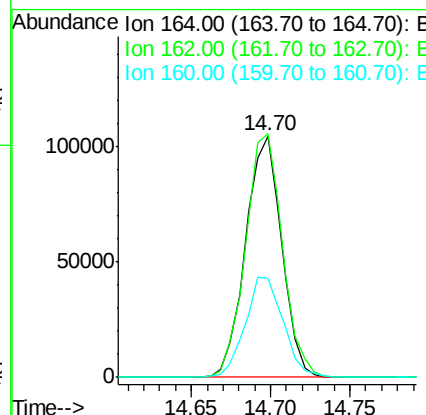
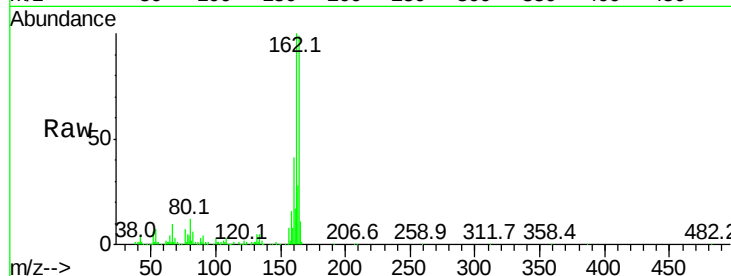




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1942
Delta R.T. 0.01 min
Lab File: BG034495.D
Acq: 16 May 2018 19:22

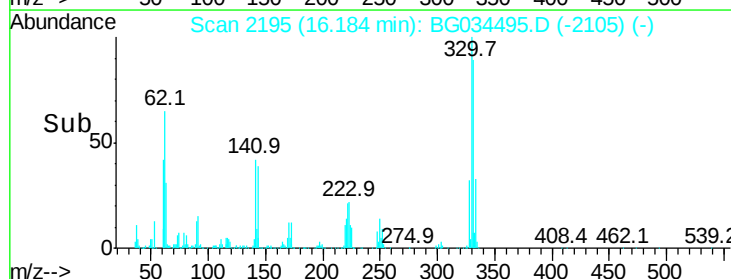
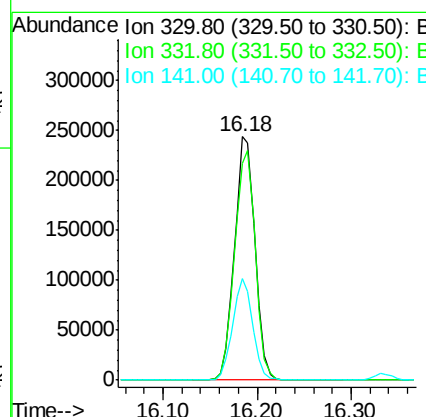
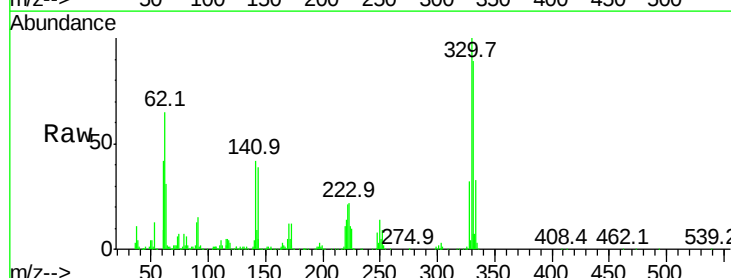
Instrument :
BNA_G
ClientSampleId :

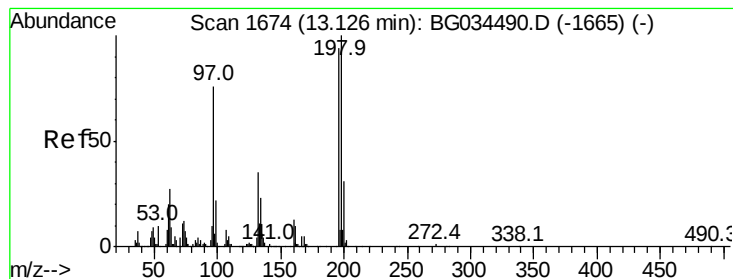
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	78.8	118.2
160	41.1	35.4	53.0



#41
2,4,6-Tribromophenol
Concen: 128.974 ng
RT: 16.18 min Scan# 2195
Delta R.T. -0.00 min
Lab File: BG034495.D
Acq: 16 May 2018 19:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	41.5	25.2	37.8





#42

2,4,6-Trichlorophenol

Concen: 242.652 ng

RT: 13.13 min Scan# 1675

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

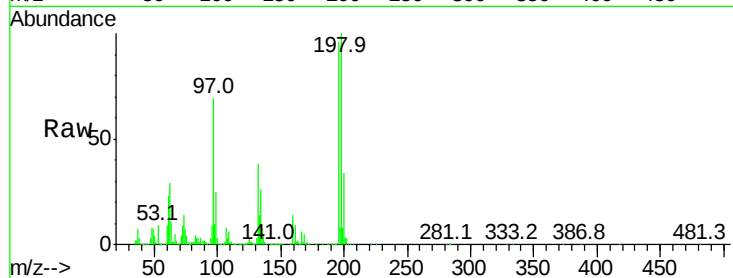
Tot Ion:196 Resp: 938926

Ion Ratio Lower Upper

196 100

198 104.6 78.2 117.2

200 35.2 24.6 36.8

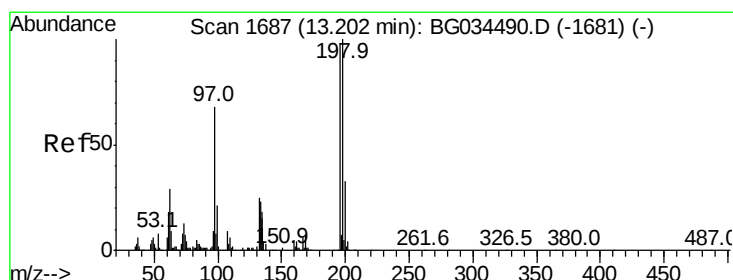
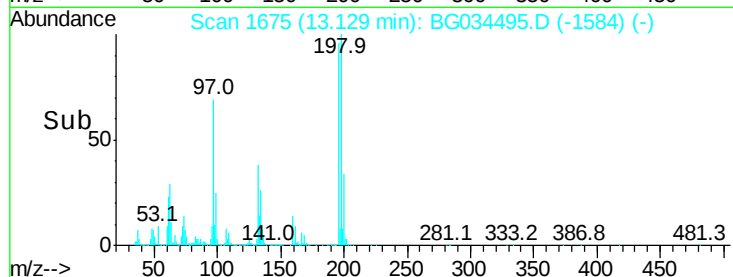
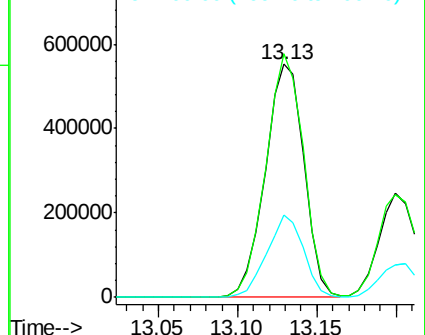


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 93.101 ng

RT: 13.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Tgt Ion:196 Resp: 395274

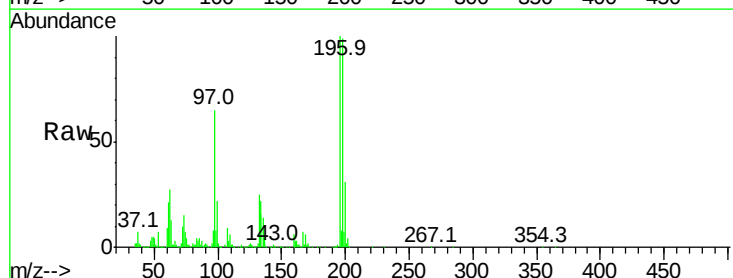
Ion Ratio Lower Upper

196 100

198 98.8 76.2 114.4

97 64.5 38.7 58.1#

132 24.7 20.2 30.2



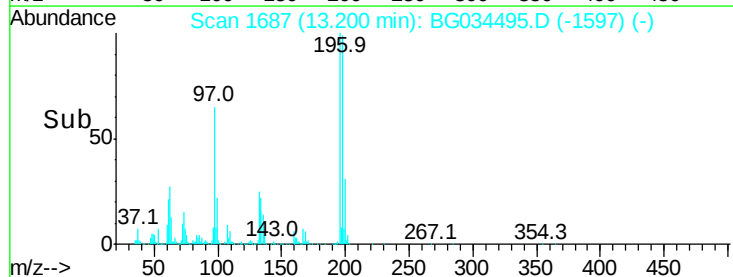
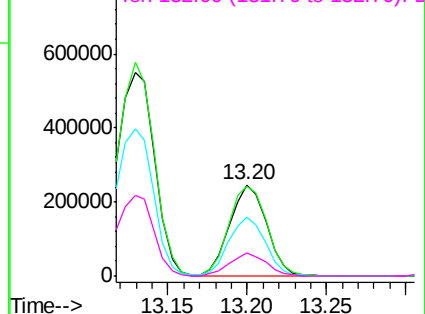
Abundance

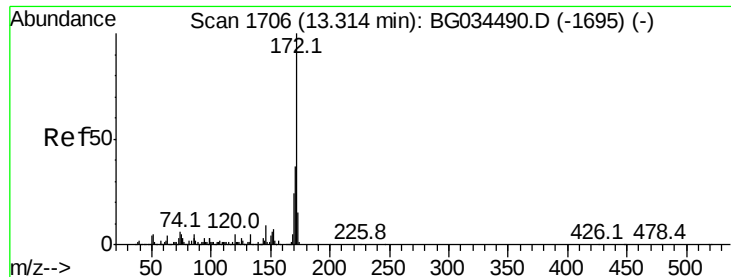
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



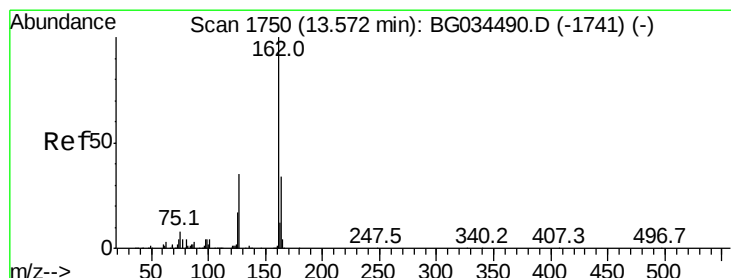
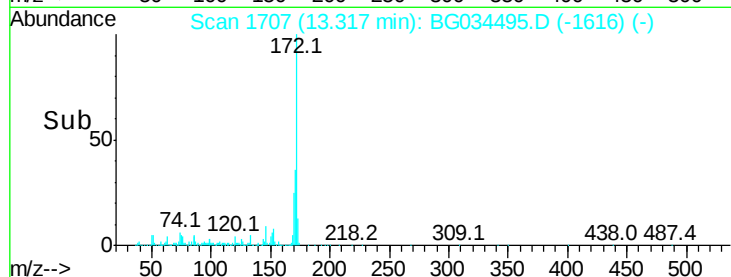
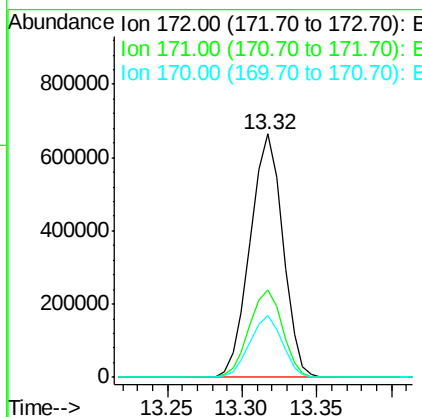
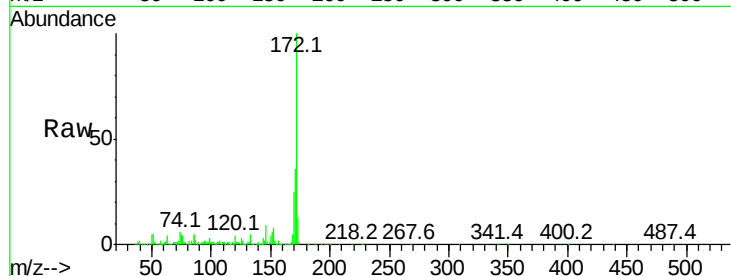


#44
 2-Fluorobiphenyl
 Concen: 82.713 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1008297

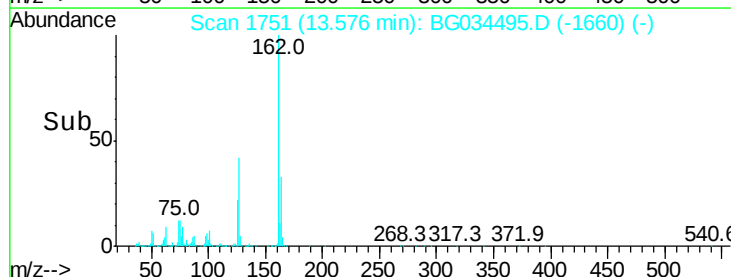
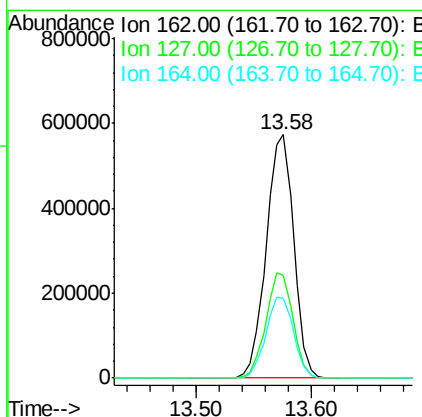
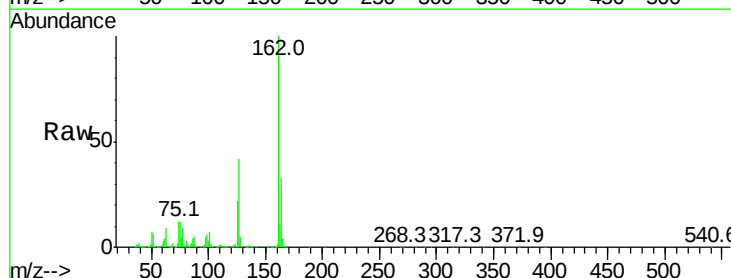
Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.0	45.0
170	25.3	19.5	29.3

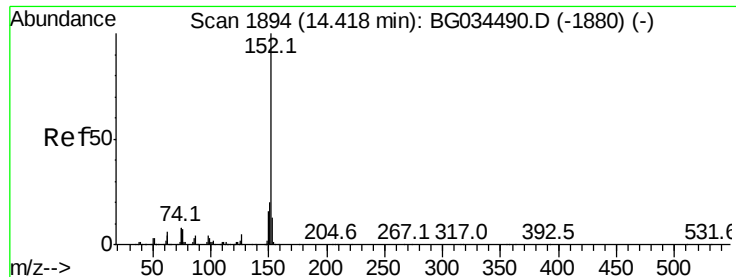


#46
 2-Chloronaphthalene
 Concen: 92.718 ng
 RT: 13.58 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Tgt Ion:162 Resp: 951290

Ion	Ratio	Lower	Upper
162	100		
127	42.2	30.7	46.1
164	32.5	26.0	39.0





#48

Acenaphthylene

Concen: 130.095 ng

RT: 14.42 min Scan# 1895

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

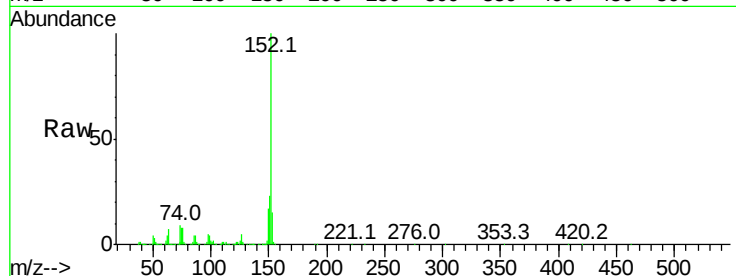
Instrument :

BNA_G

ClientSampleId :

Tot Ion:152 Resp: 2042710

Ion	Ratio	Lower	Upper
152	100		
151	23.5	17.2	25.8
153	14.9	10.2	15.4

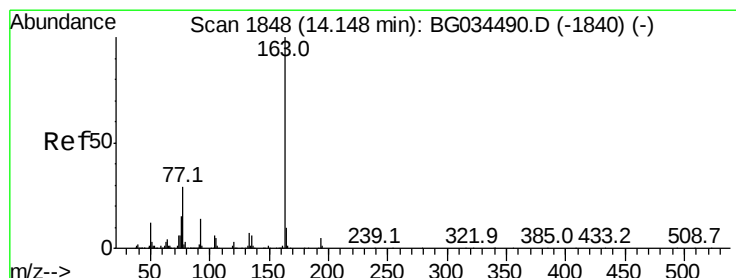
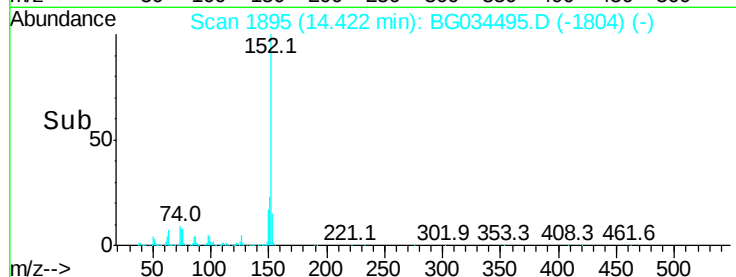
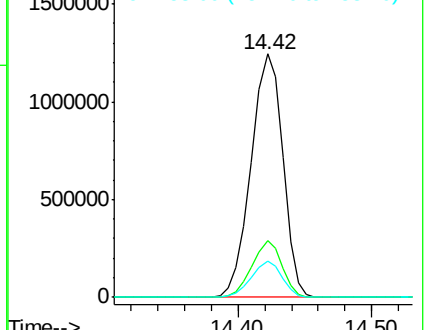


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 9.088 ng

RT: 14.16 min Scan# 1850

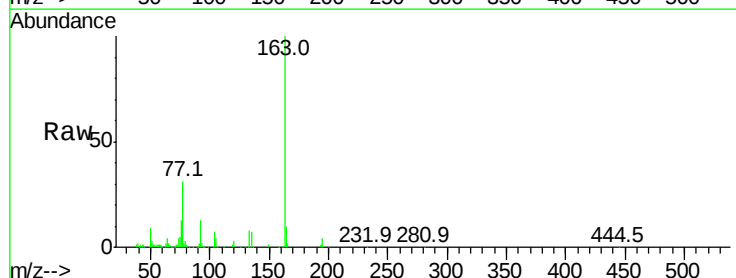
Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Tgt Ion:163 Resp: 129826

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	9.6	8.2	12.4

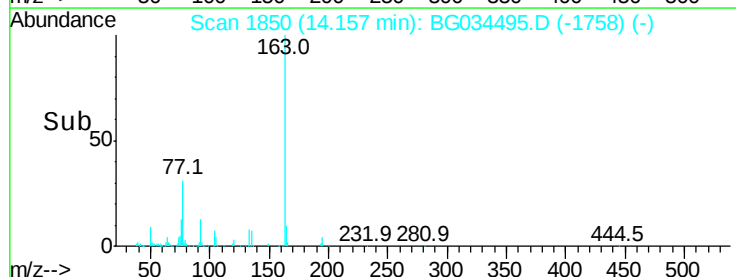
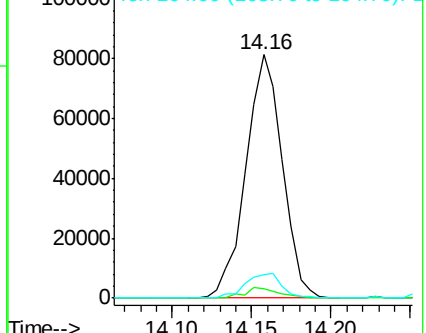


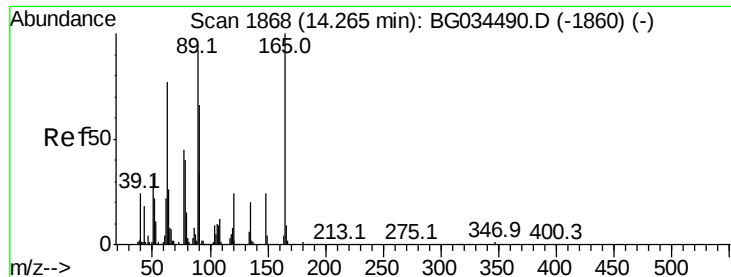
Abundance

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

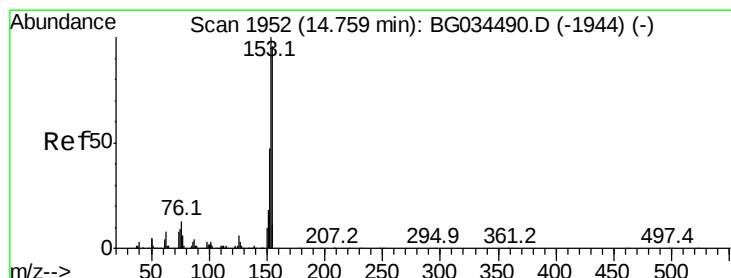
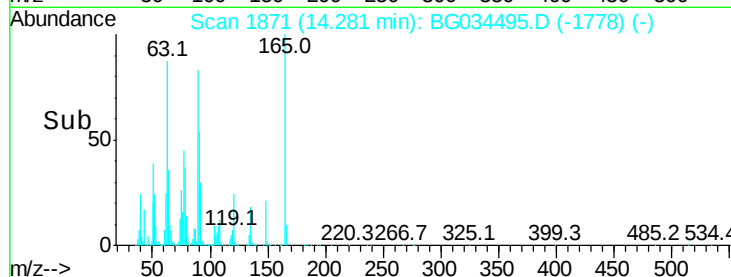
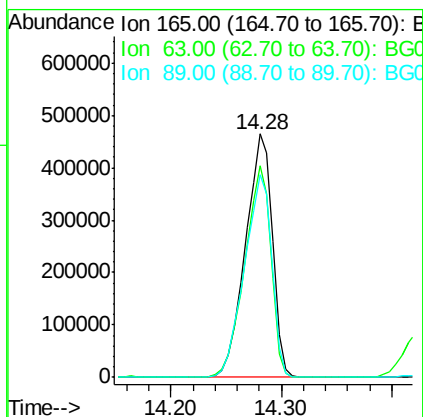
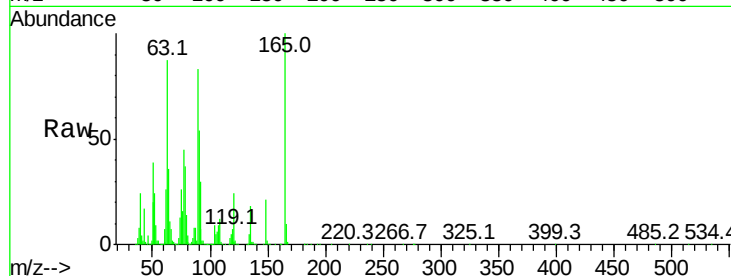




#50
 2,6-Dinitrotoluene
 Concen: 271.225 ng
 RT: 14.28 min Scan# 1871
 Delta R.T. 0.02 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

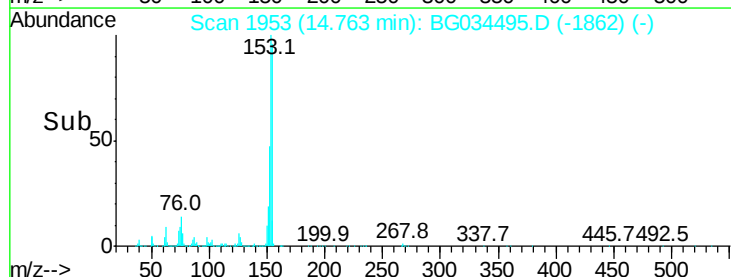
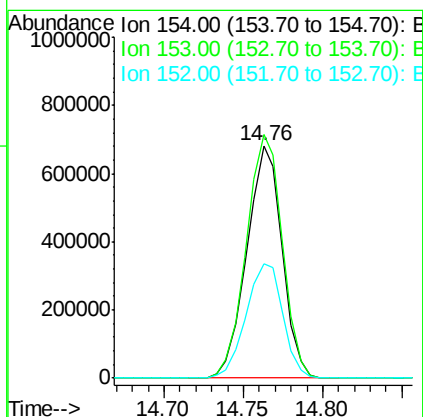
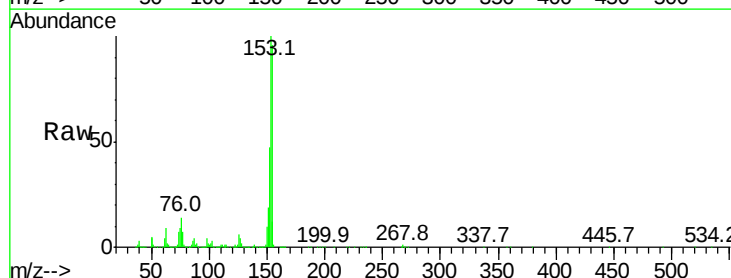
Instrument :
 BNA_G
 ClientSampleId :

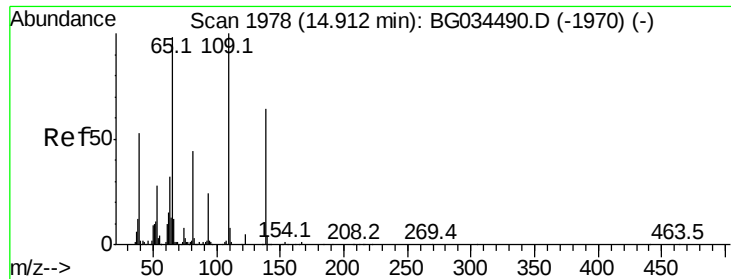
Tot Ion:165 Resp: 794537
 Ion Ratio Lower Upper
 165 100
 63 86.7 52.7 79.1#
 89 83.0 49.2 73.8#



#51
 Acenaphthene
 Concen: 103.549 ng
 RT: 14.76 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Tgt Ion:154 Resp: 1054057
 Ion Ratio Lower Upper
 154 100
 153 104.7 90.4 135.6
 152 49.1 41.6 62.4

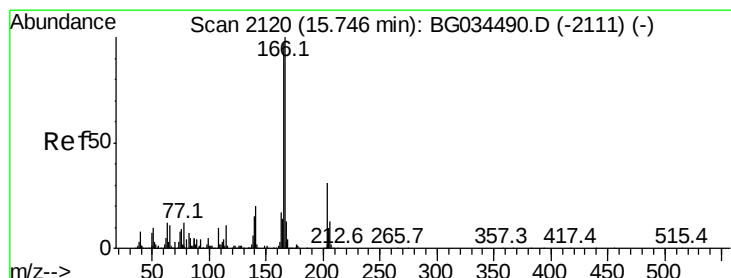
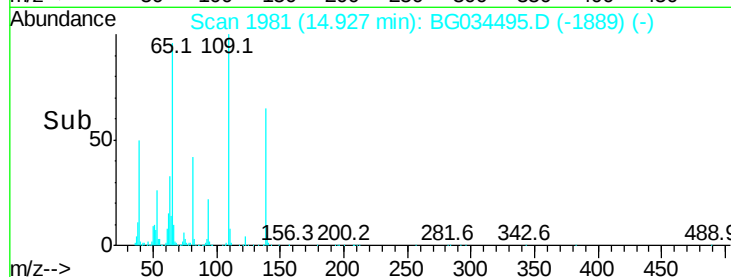
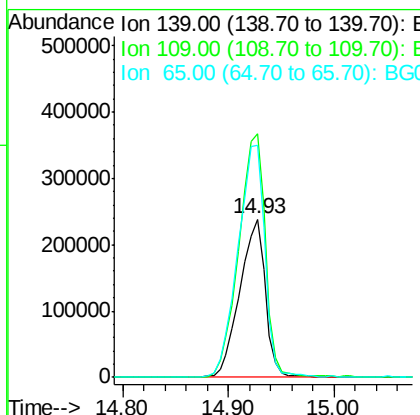
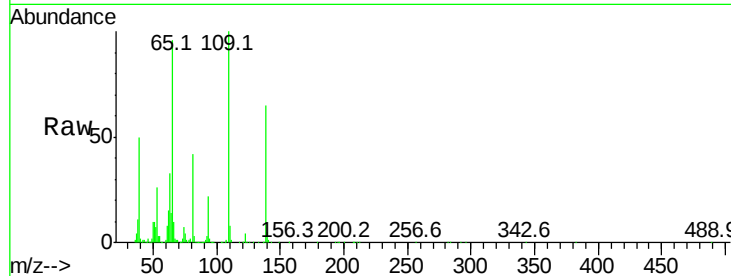




#55
4-Nitrophenol
Concen: 168.388 ng
RT: 14.93 min Scan# 1981
Delta R.T. 0.01 min
Lab File: BG034495.D
Acq: 16 May 2018 19:22

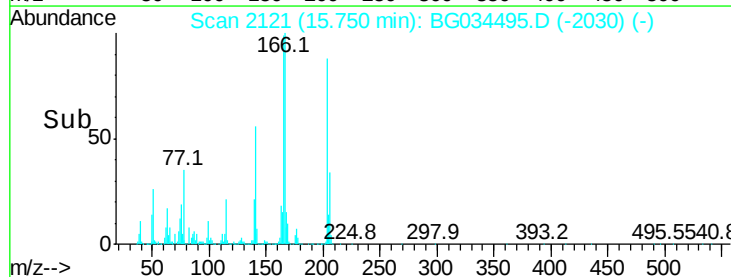
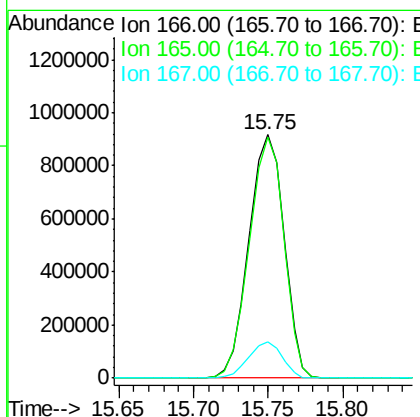
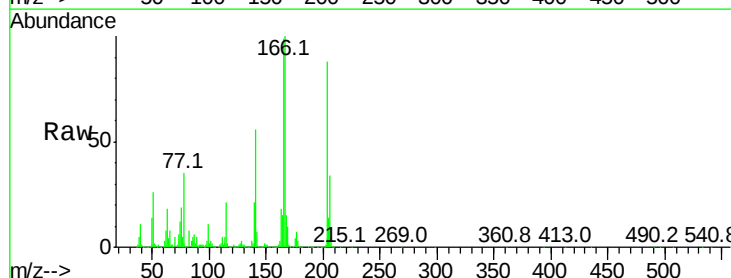
Instrument :
BNA_G
ClientSampleId :

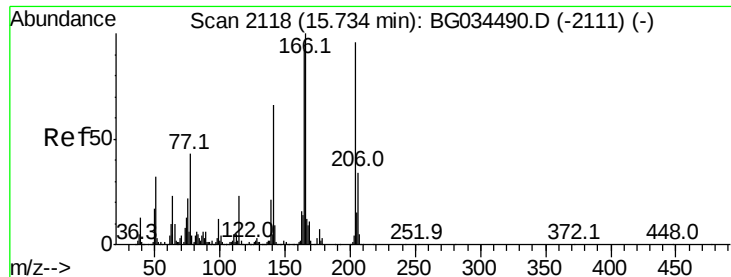
Tot Ion:139 Resp: 400644
Ion Ratio Lower Upper
139 100
109 153.9 62.2 102.2#
65 147.0 97.2 137.2#



#57
Fluorene
Concen: 114.484 ng
RT: 15.75 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BG034495.D
Acq: 16 May 2018 19:22

Tgt Ion:166 Resp: 1491933
Ion Ratio Lower Upper
166 100
165 98.9 80.6 121.0
167 15.0 10.4 15.6

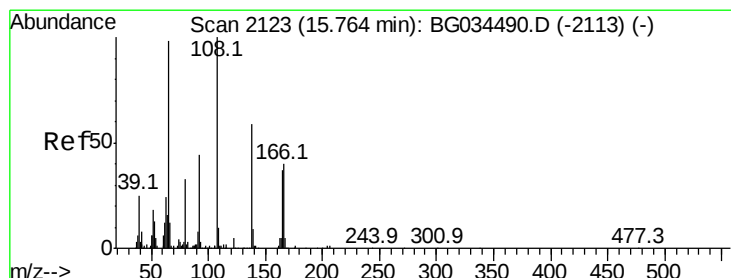
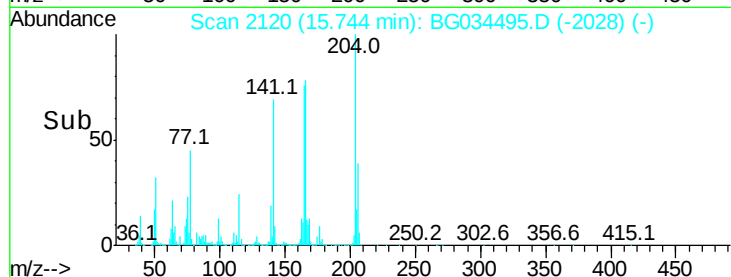
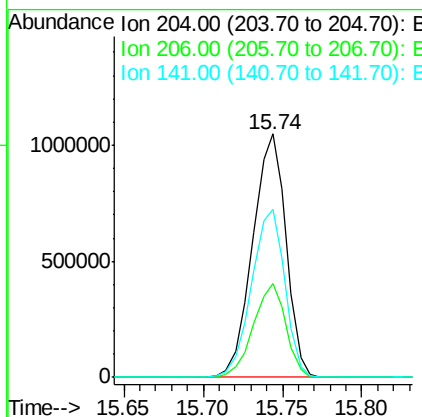
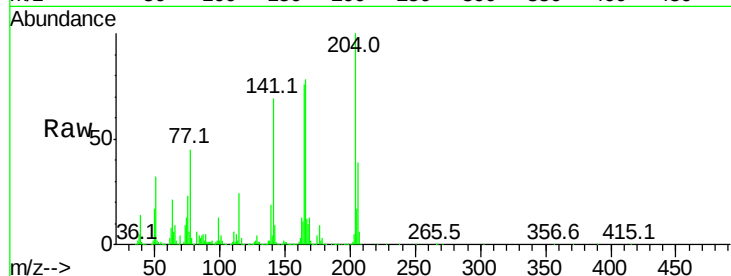




#60
 4-Chlorophenyl-phenylether
 Concen: 198.223 ng
 RT: 15.74 min Scan# 2120
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

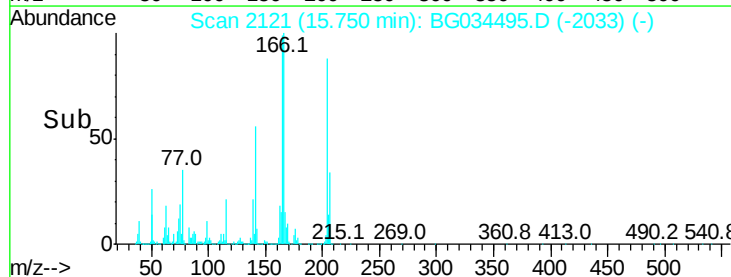
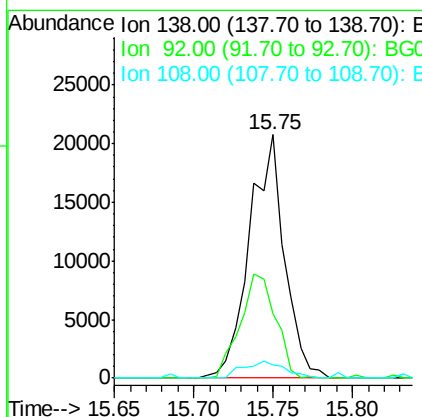
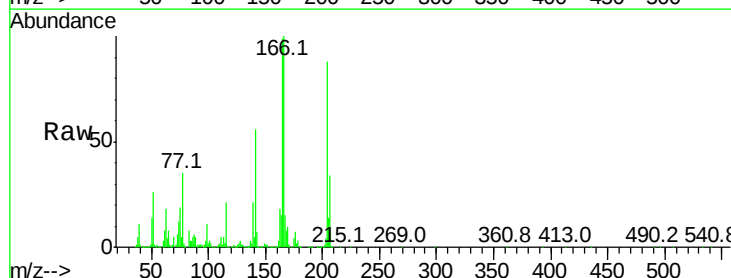
Instrument :
 BNA_G
 ClientSampled :

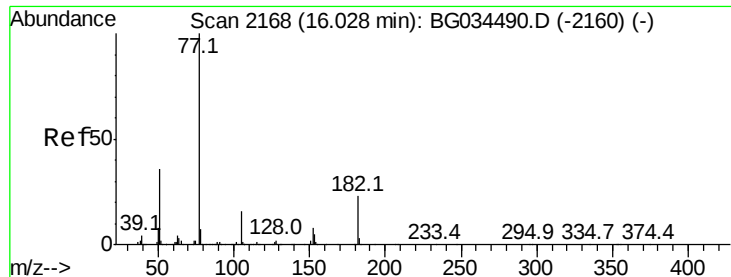
Tot Ion:204 Resp: 1534006
 Ion Ratio Lower Upper
 204 100
 206 38.8 26.2 39.2
 141 69.0 45.8 68.6#



#61
 4-Nitroaniline
 Concen: 10.372 ng
 RT: 15.75 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Tgt Ion:138 Resp: 31837
 Ion Ratio Lower Upper
 138 100
 92 26.5 40.1 80.1#
 108 5.2 65.4 105.4#





#62

Azobenzene

Concen: 44.174 ng

RT: 15.74 min Scan# 2120

Delta R.T. -0.28 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 696671

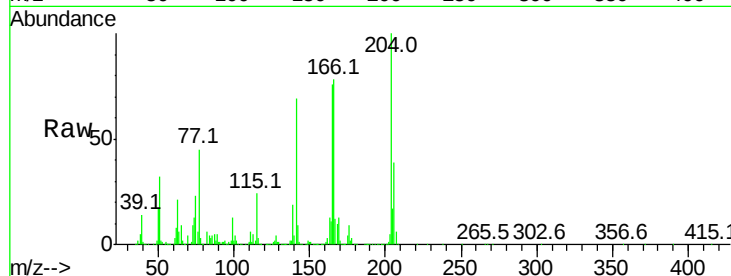
Ion Ratio Lower Upper

77 100

182 0.0 7.4 47.4#

105 0.3 0.3 40.3

51 71.9 11.6 51.6#

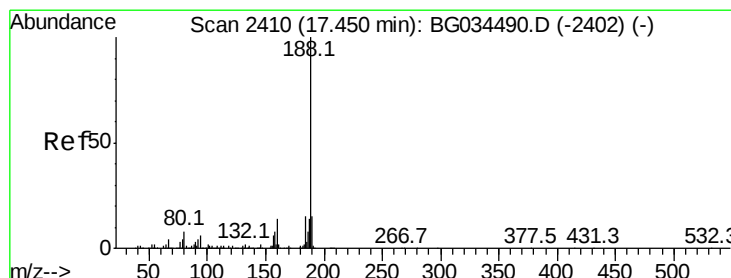
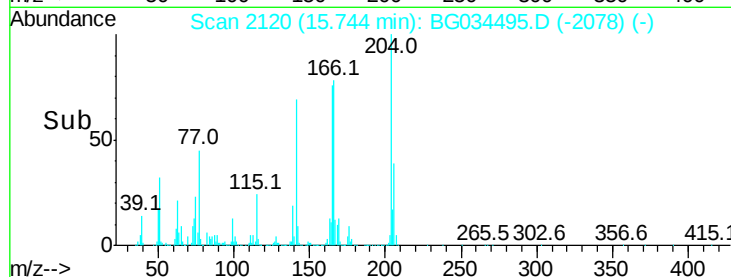
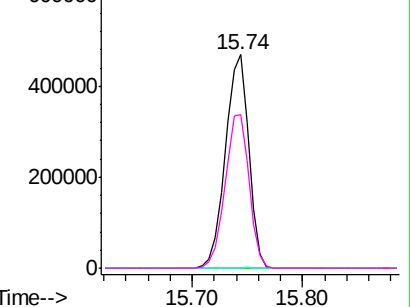


Abundance Ion 77.00 (76.70 to 77.70): BG034495.D (-2120) (-)

Ion 182.00 (181.70 to 182.70): BG034495.D (-2120) (-)

Ion 105.00 (104.70 to 105.70): BG034495.D (-2120) (-)

Ion 51.00 (50.70 to 51.70): BG034495.D (-2120) (-)



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2410

Delta R.T. -0.00 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

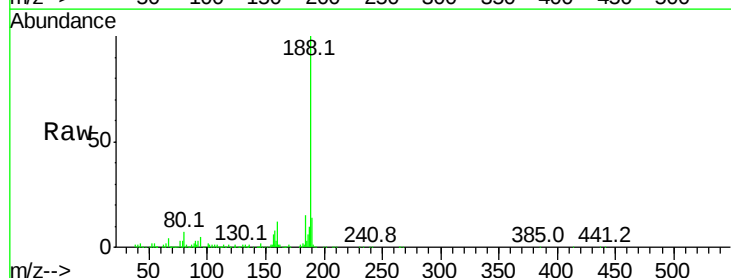
Tgt Ion: 188 Resp: 383546

Ion Ratio Lower Upper

188 100

94 5.4 6.9 10.3#

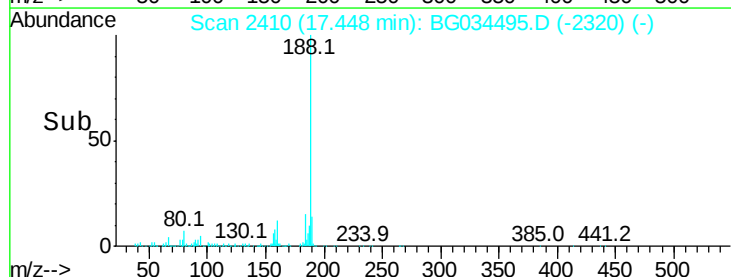
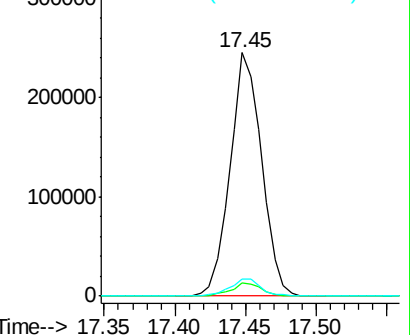
80 6.8 7.7 11.5#

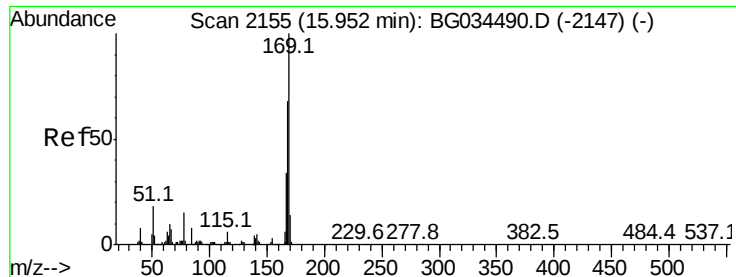


Abundance Ion 188.00 (187.70 to 188.70): BG034495.D (-2320) (-)

Ion 94.00 (93.70 to 94.70): BG034495.D (-2320) (-)

Ion 80.00 (79.70 to 80.70): BG034495.D (-2320) (-)





#65

n-Nitrosodiphenylamine

Concen: 17.121 ng

RT: 15.74 min Scan# 2120

Delta R.T. -0.21 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

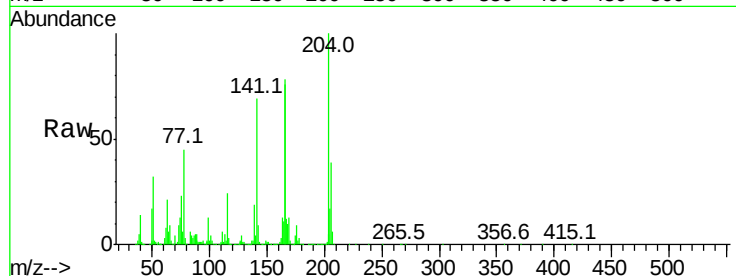
Tot Ion:169 Resp: 192026

Ion Ratio Lower Upper

169 100

168 78.7 55.7 83.5

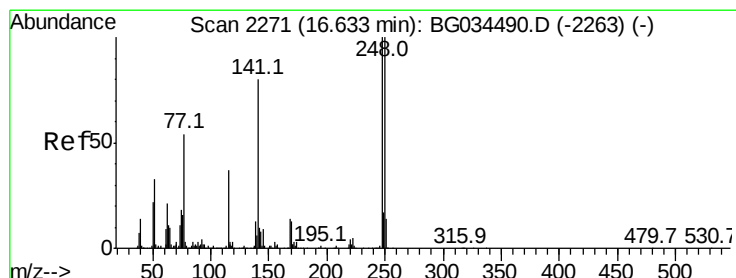
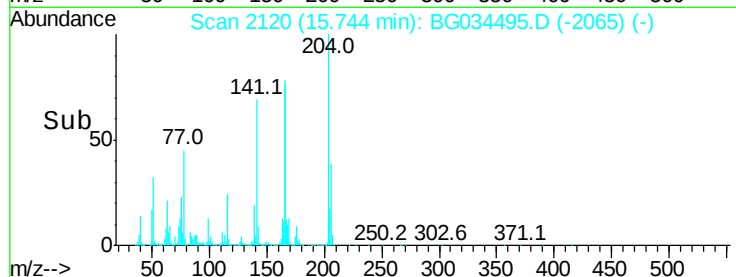
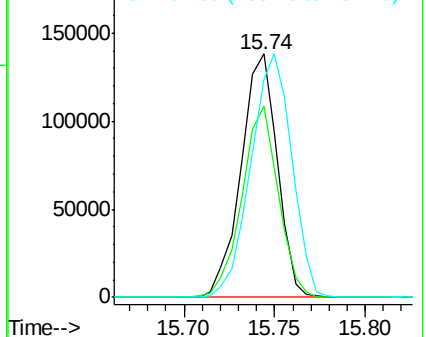
167 89.4 30.1 45.1#



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



#66

4-Bromophenyl-phenylether

Concen: 200.990 ng

RT: 16.64 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

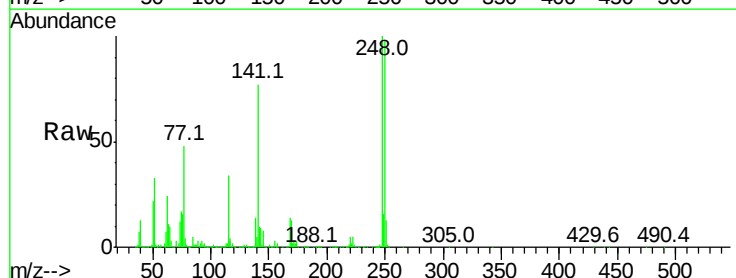
Tgt Ion:248 Resp: 1014522

Ion Ratio Lower Upper

248 100

250 98.4 77.1 115.7

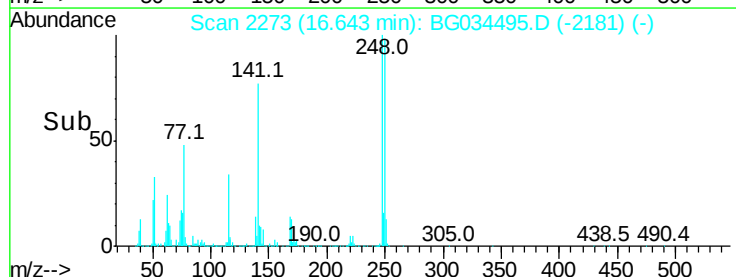
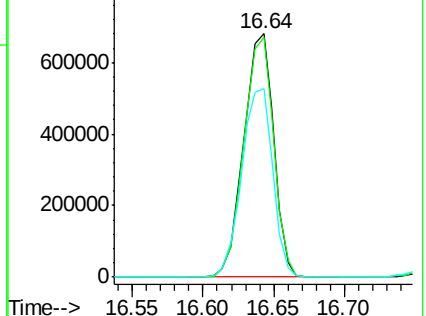
141 77.2 50.8 76.2#

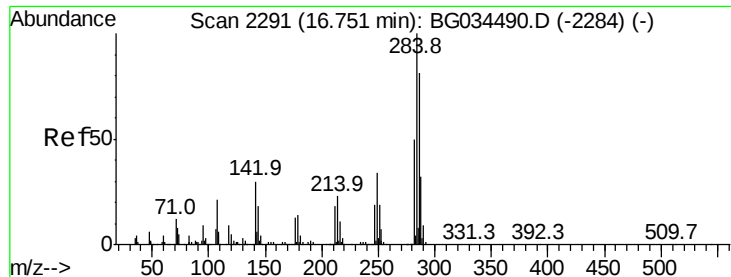


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 166.335 ng

RT: 16.76 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

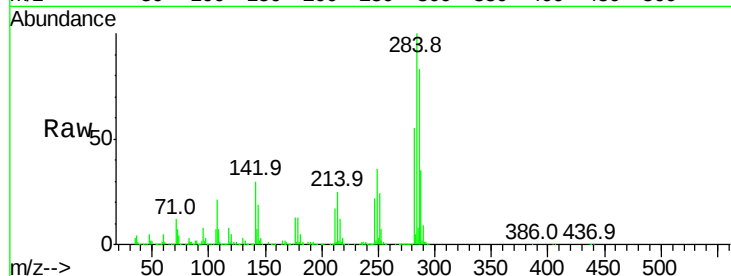
Instrument :

BNA_G

ClientSampleId :

Tot Ion:284 Resp: 927777

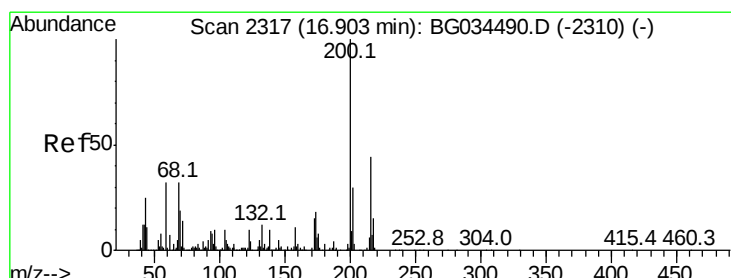
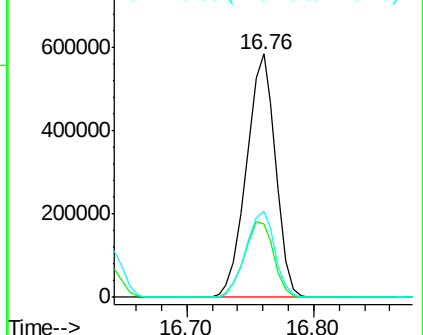
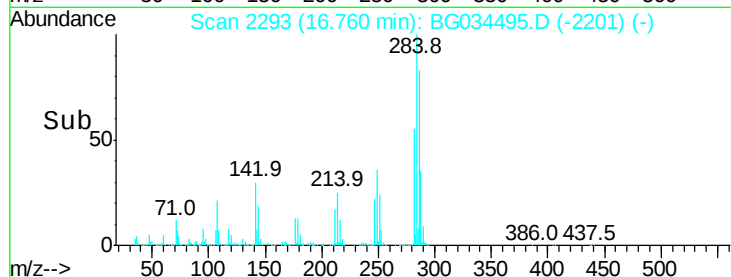
Ion	Ratio	Lower	Upper
284	100		
142	30.3	26.8	40.2
249	35.6	26.3	39.5



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



#68

Atrazine

Concen: 40.727 ng

RT: 17.11 min Scan# 2352

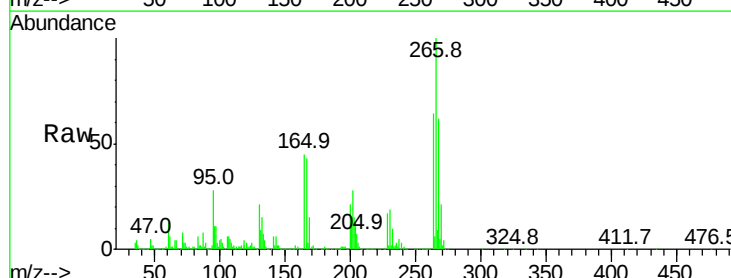
Delta R.T. 0.21 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Tgt Ion:200 Resp: 202440

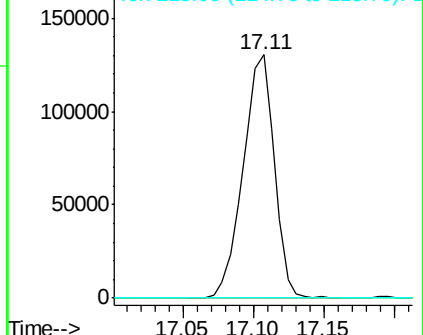
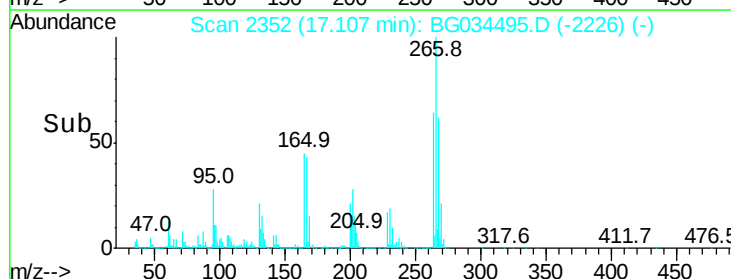
Ion	Ratio	Lower	Upper
200	100		
173	0.4	5.2	45.2#
215	0.1	30.4	70.4#

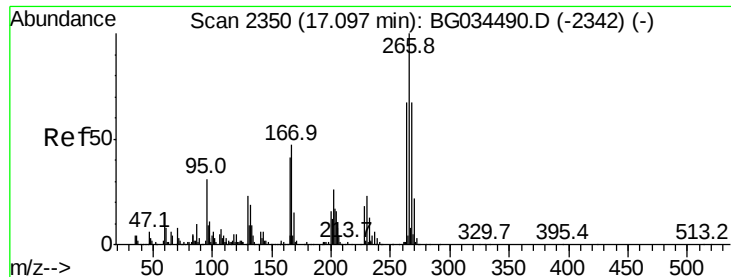


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

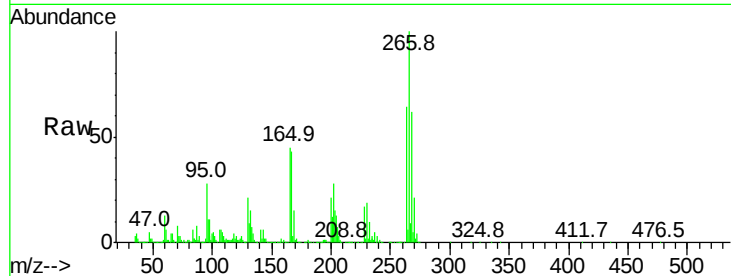




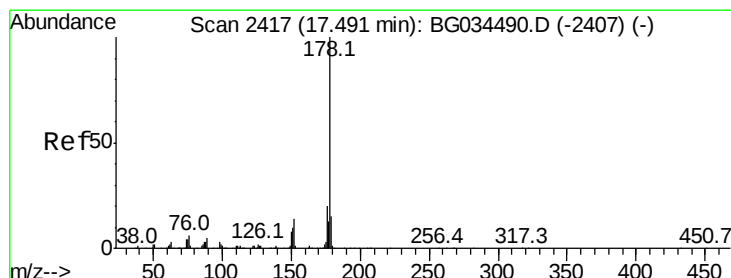
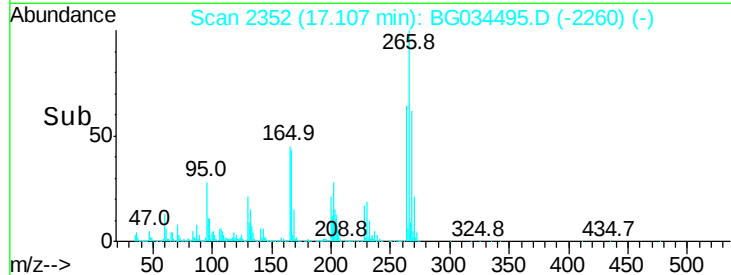
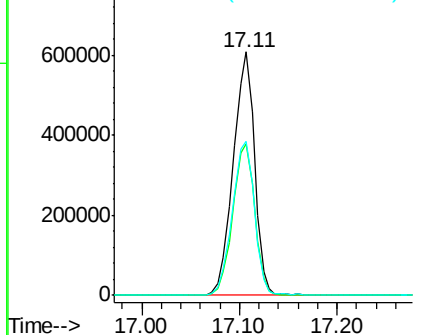
#69
 Pentachlorophenol
 Concen: 275.926 ng
 RT: 17.11 min Scan# 2352
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.3	51.1	76.7
264	63.5	49.6	74.4

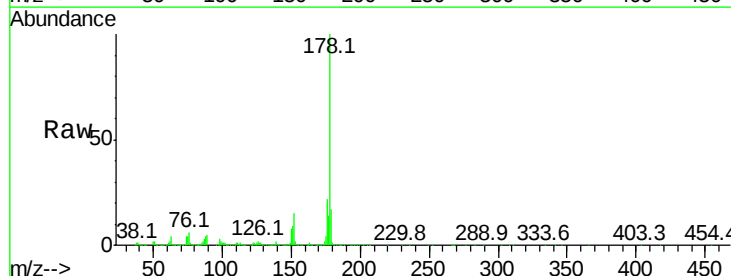


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

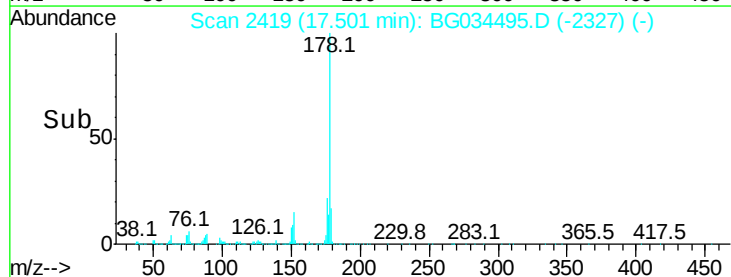
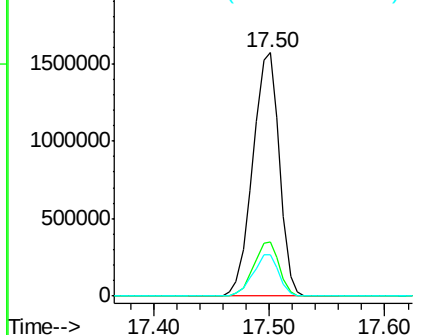


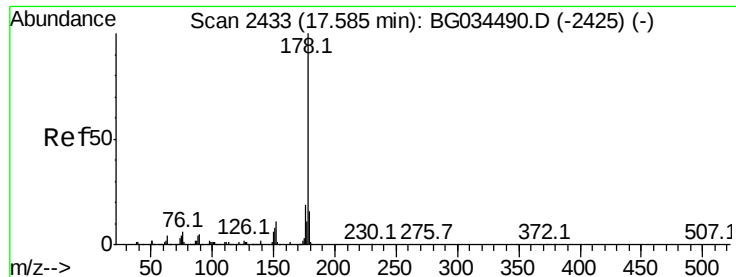
#70
 Phenanthrene
 Concen: 120.760 ng
 RT: 17.50 min Scan# 2419
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.5	15.7	23.5
179	17.2	12.5	18.7



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





#71

Anthracene

Concen: 119.176 ng

RT: 17.50 min Scan# 2419

Delta R.T. -0.08 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

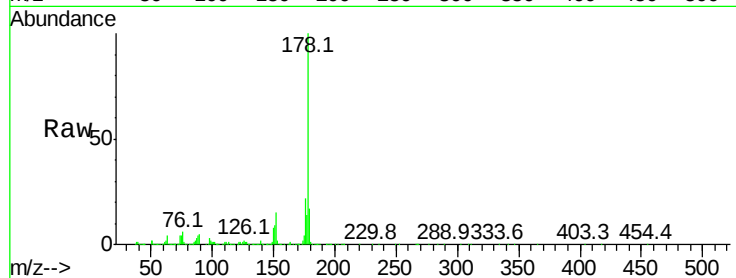
Tot Ion:178 Resp: 2522694

Ion Ratio Lower Upper

178 100

176 22.5 16.0 24.0

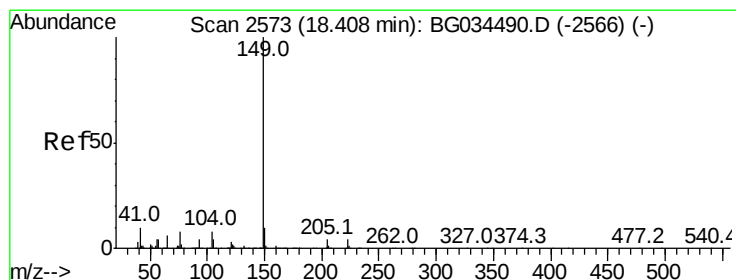
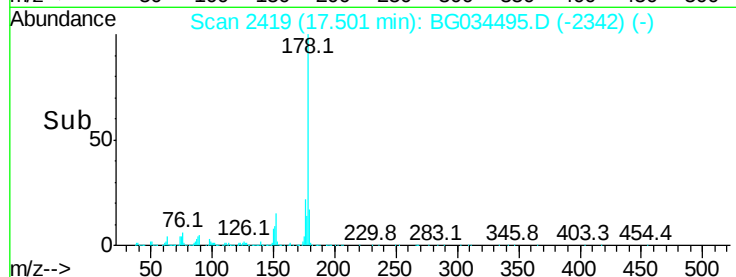
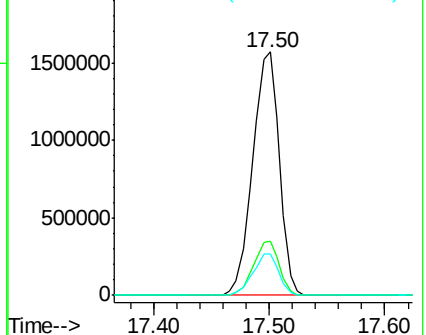
179 17.2 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 140.509 ng

RT: 18.42 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

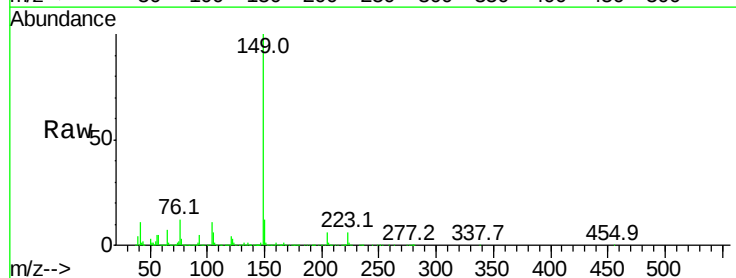
Tgt Ion:149 Resp: 3047488

Ion Ratio Lower Upper

149 100

150 12.0 7.8 11.6#

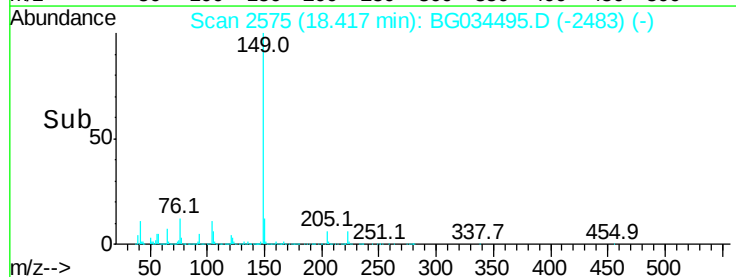
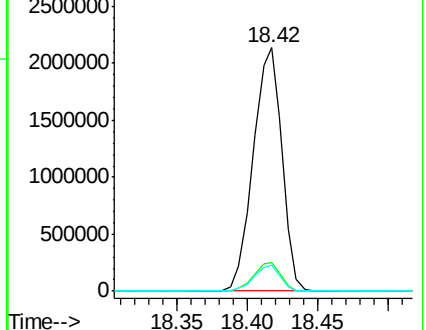
104 10.8 3.9 5.9#

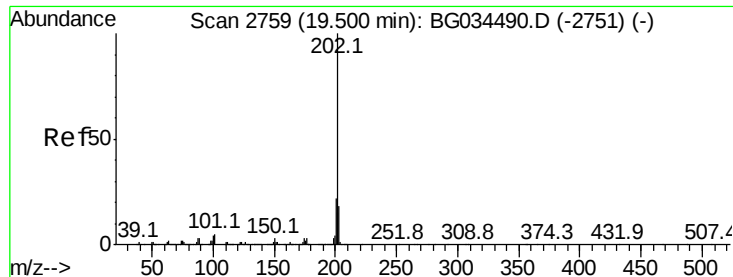


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 90.396 ng

RT: 19.51 min Scan# 2761

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

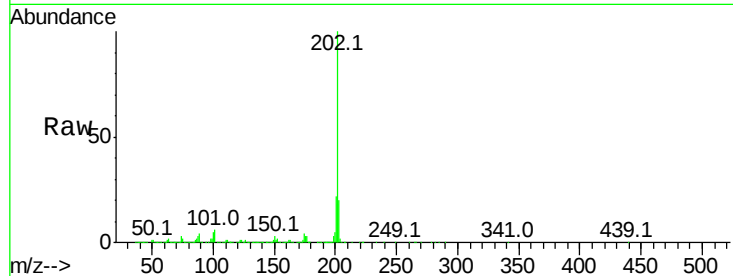
Tot Ion:202 Resp: 2320828

Ion Ratio Lower Upper

202 100

101 5.5 0.0 28.9

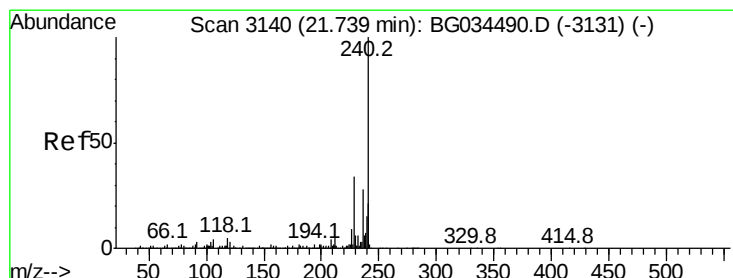
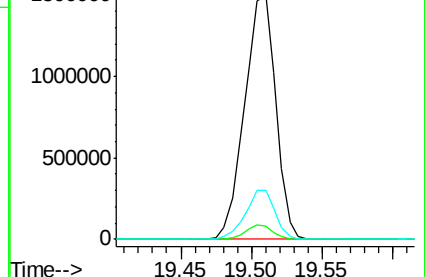
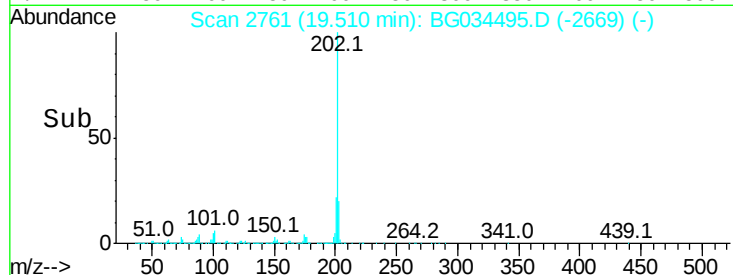
203 20.4 0.0 37.5



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3141

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

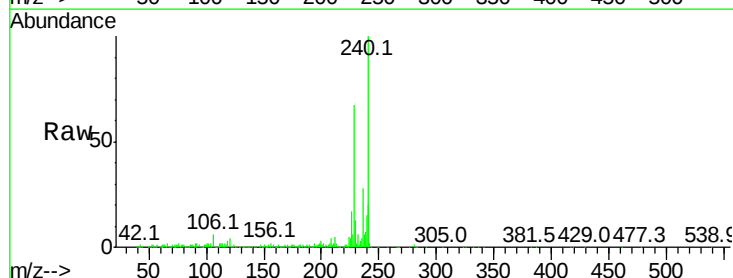
Tgt Ion:240 Resp: 377136

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

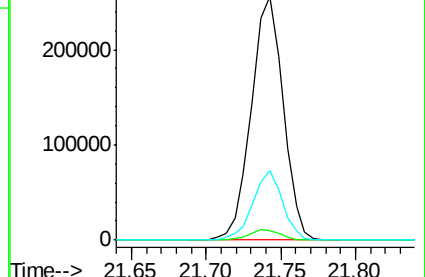
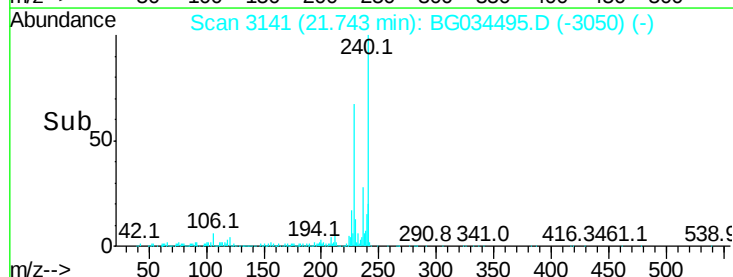
236 28.4 20.9 31.3

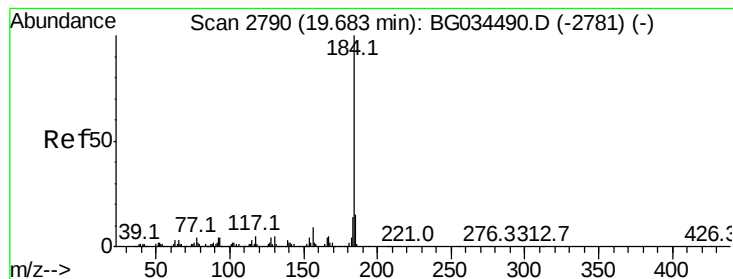


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.528 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.38 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

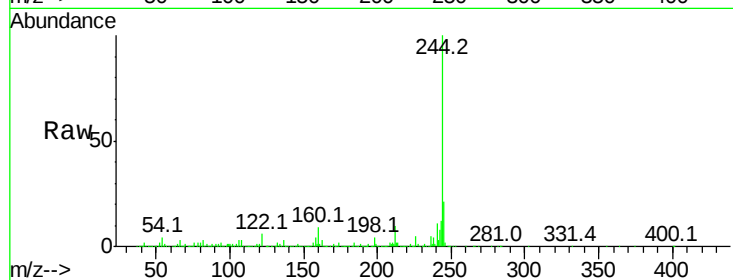
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 34689

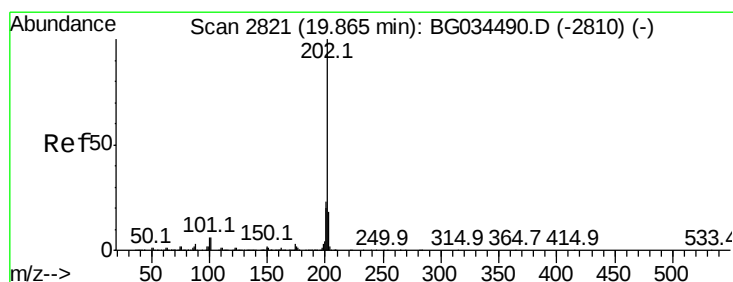
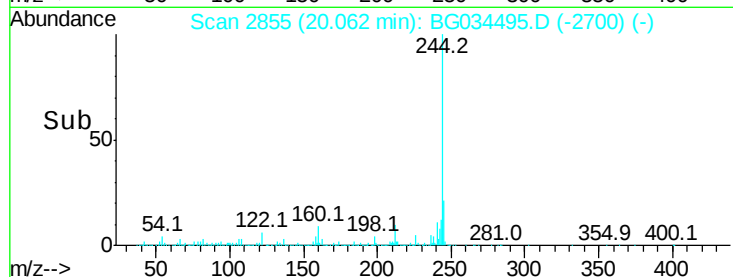
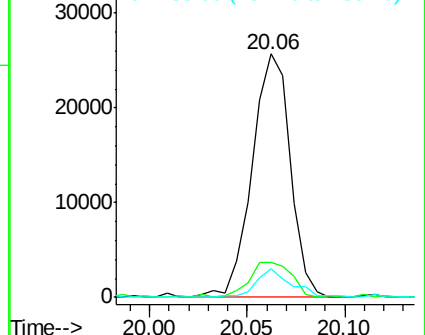
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.1	16.7
183	11.5	10.6	16.0



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



#77

Pyrene

Concen: 98.311 ng

RT: 19.51 min Scan# 2761

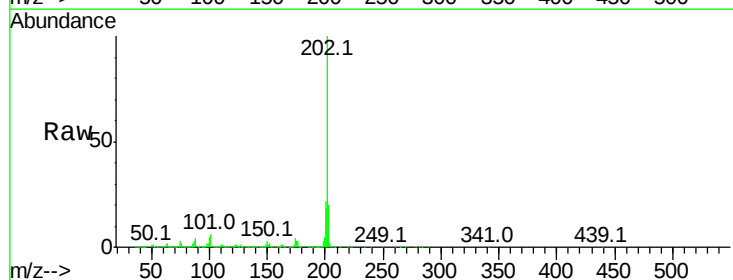
Delta R.T. -0.35 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Tgt Ion:202 Resp: 2320828

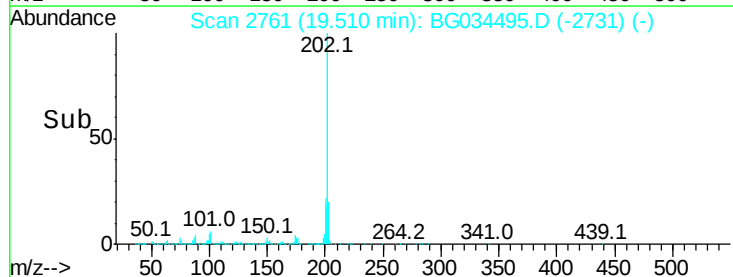
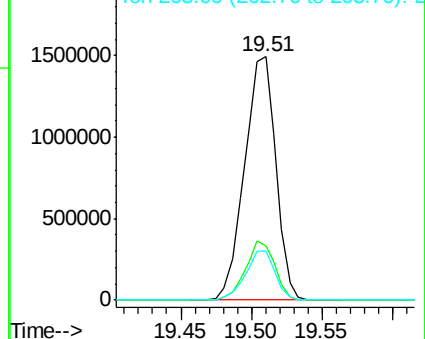
Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.9	25.3
203	20.4	13.9	20.9

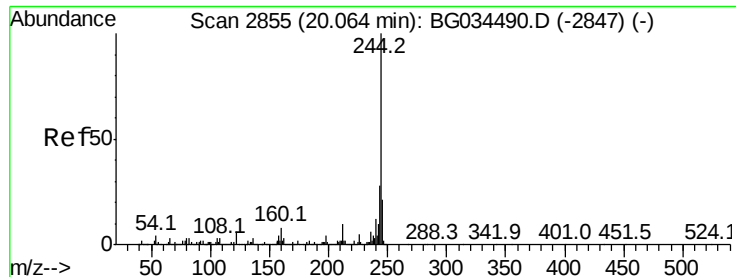


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 98.786 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

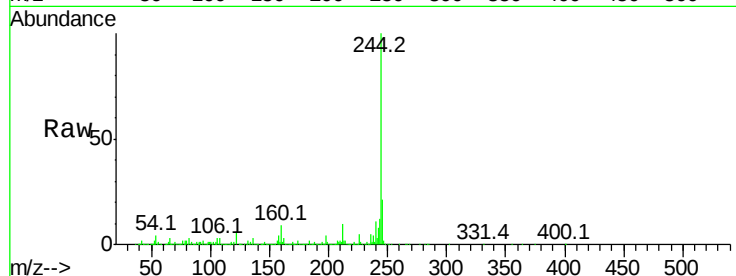
Tot Ion:244 Resp: 1698886

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

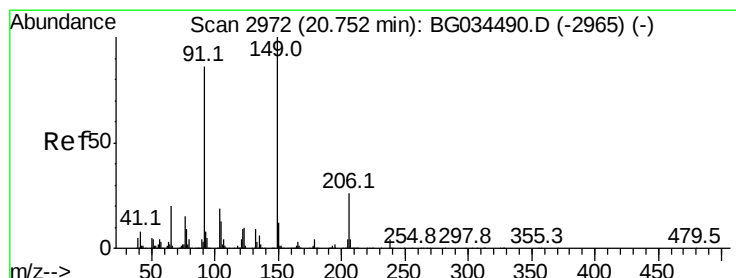
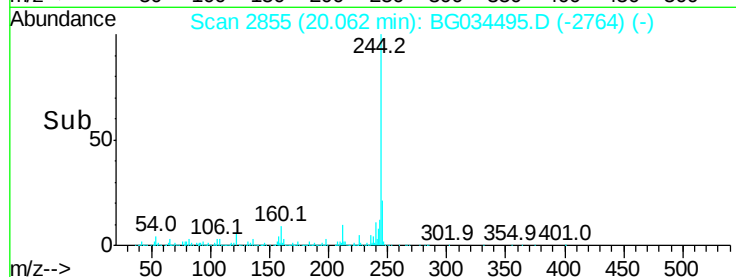
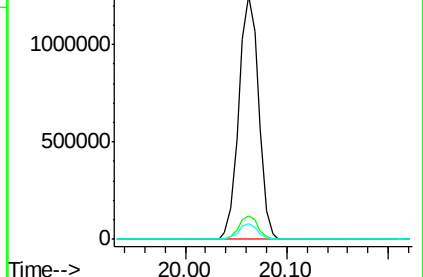
122 6.3 7.0 10.4#



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



#79

Butylbenzylphthalate

Concen: 113.881 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

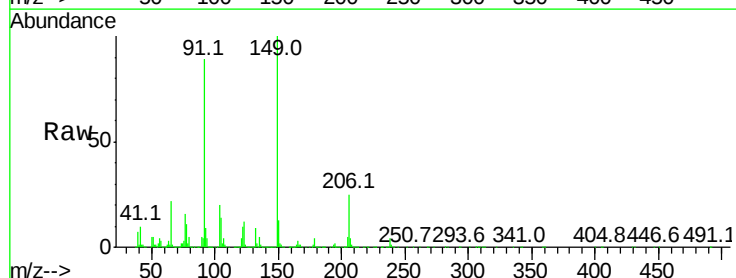
Tgt Ion:149 Resp: 1036552

Ion Ratio Lower Upper

149 100

91 89.3 62.2 93.2

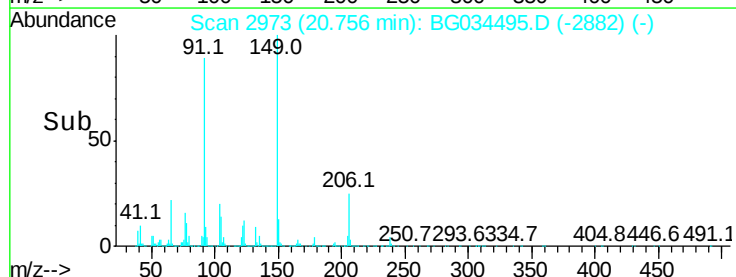
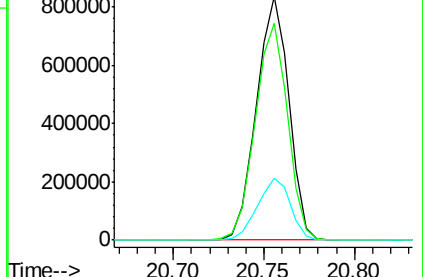
206 25.2 18.6 27.8

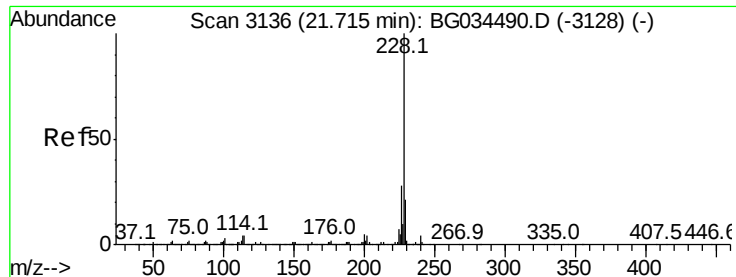


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 80.752 ng

RT: 21.73 min Scan# 3138

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

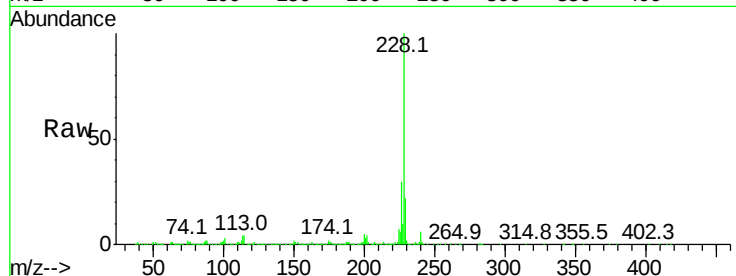
Tot Ion:228 Resp: 1978904

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.7	34.1
229	22.3	16.2	24.2

228 100

226 29.5 22.7 34.1

229 22.3 16.2 24.2

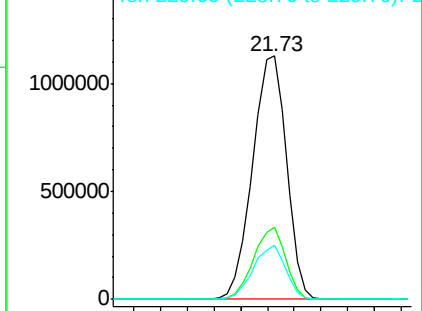
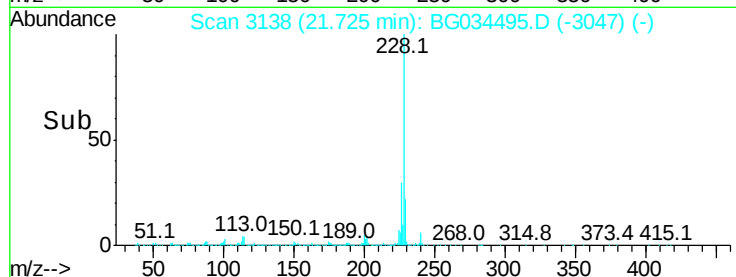


Abundance

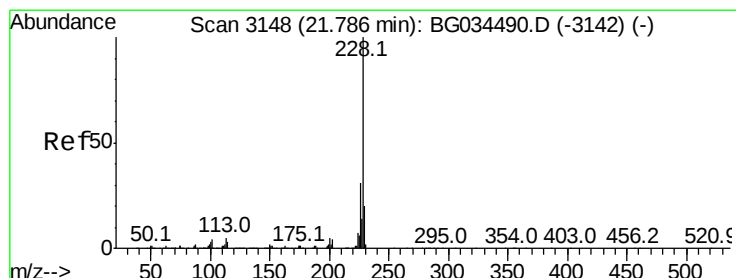
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 88.048 ng

RT: 21.73 min Scan# 3138

Delta R.T. -0.06 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

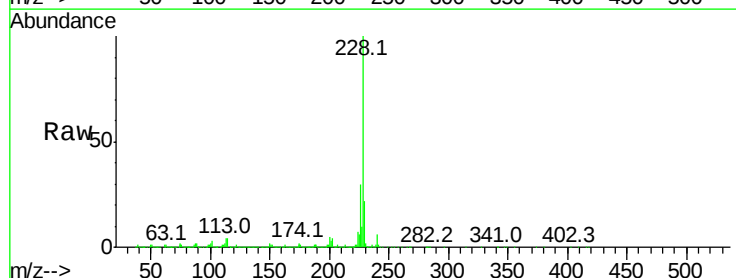
Tgt Ion:228 Resp: 1978904

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	22.3	15.0	22.4

228 100

226 29.5 24.9 37.3

229 22.3 15.0 22.4

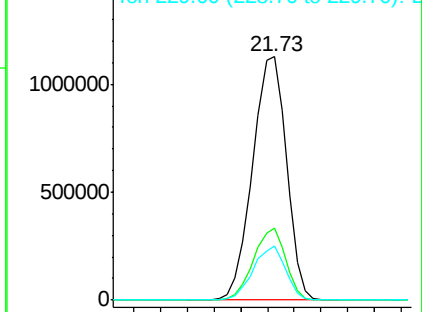
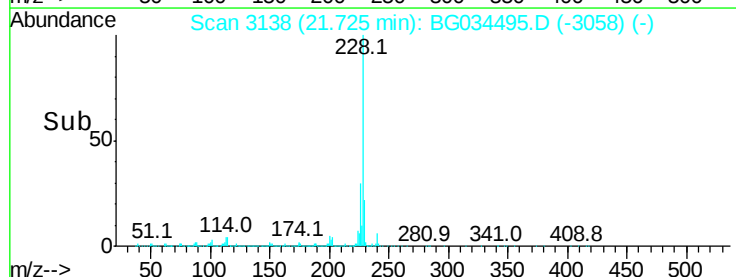


Abundance

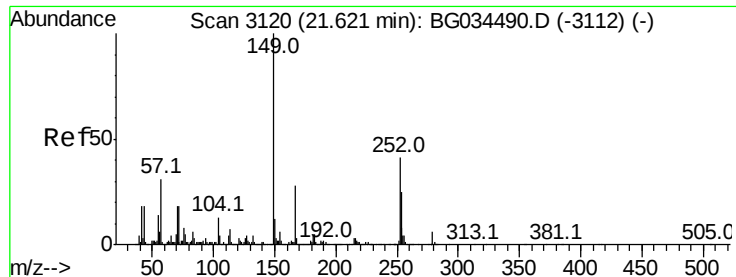
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



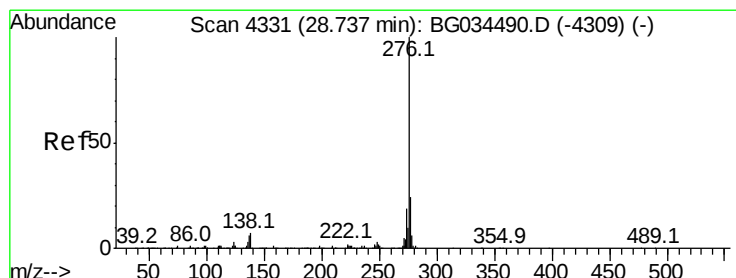
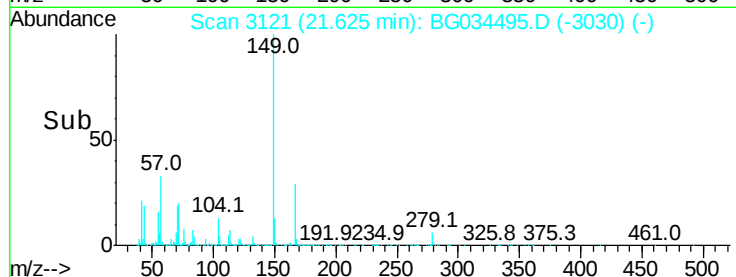
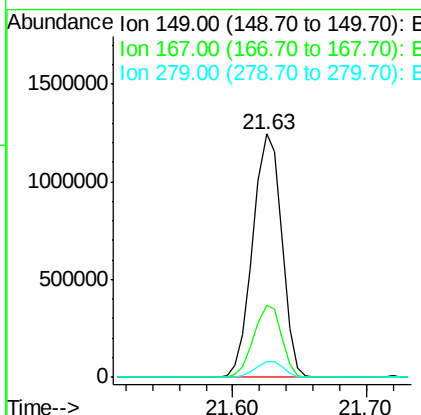
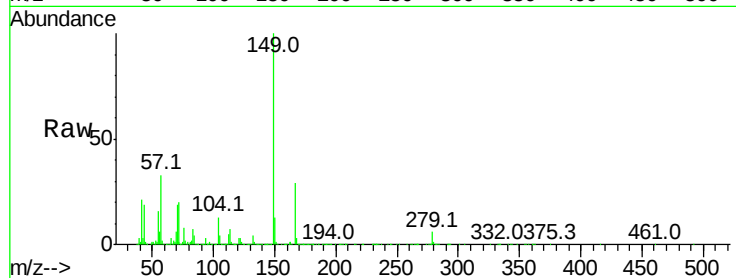
Time-->



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 150.159 ng
 RT: 21.63 min Scan# 3121
 Delta R.T. 0.01 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

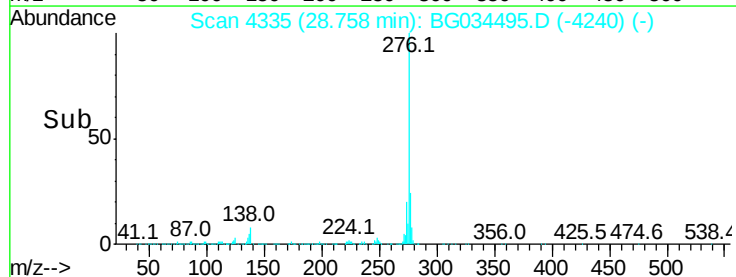
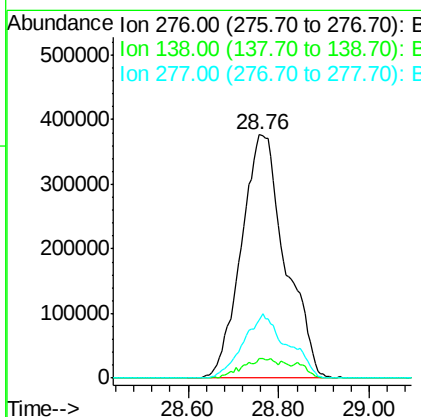
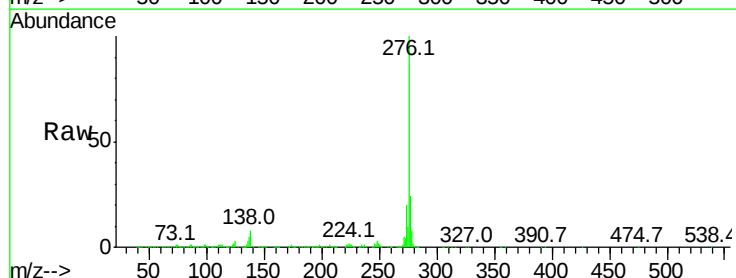
Instrument :
 BNA_G
 ClientSampleId :

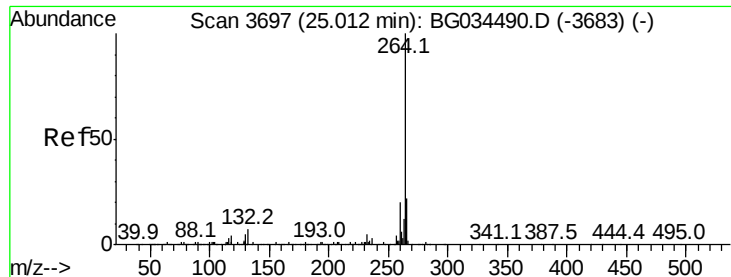
Tot Ion:149 Resp: 1856231
 Ion Ratio Lower Upper
 149 100
 167 29.4 24.3 36.5
 279 6.4 4.0 6.0#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 88.007 ng
 RT: 28.76 min Scan# 4335
 Delta R.T. 0.03 min
 Lab File: BG034495.D
 Acq: 16 May 2018 19:22

Tgt Ion:276 Resp: 2530843
 Ion Ratio Lower Upper
 276 100
 138 0.0 16.0 24.0#
 277 26.4 20.0 30.0





#86

Pervlene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3697

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

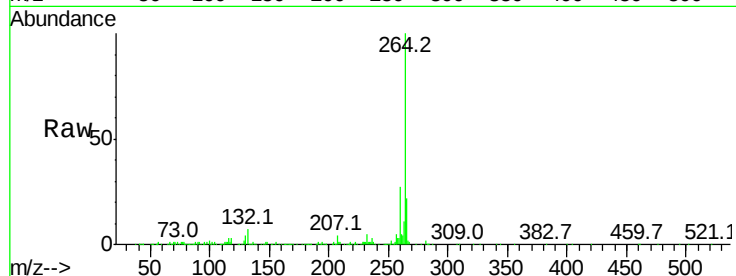
Tot Ion:264 Resp: 411917

Ion	Ratio	Lower	Upper
264	100		
260	27.3	17.4	26.0#
265	22.4	17.7	26.5

264 100

260 27.3 17.4 26.0#

265 22.4 17.7 26.5

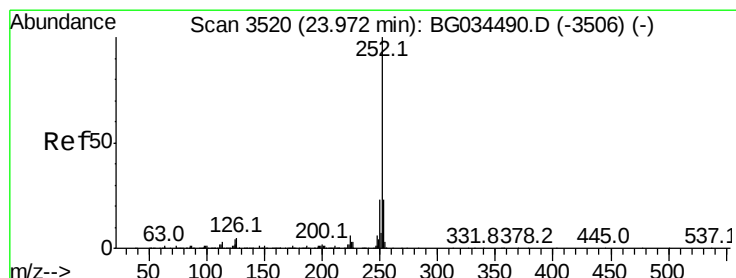
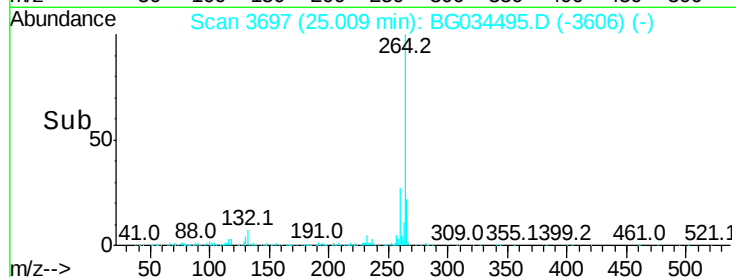
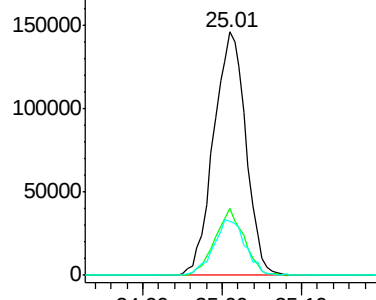


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 87.480 ng

RT: 24.05 min Scan# 3533

Delta R.T. 0.08 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

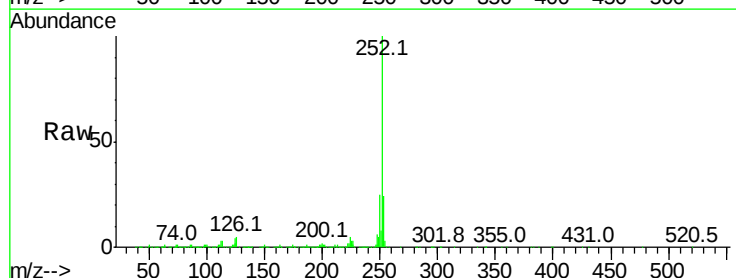
Tgt Ion:252 Resp: 2280180

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	3.8	7.2	10.8#

252 100

253 24.3 18.2 27.4

125 3.8 7.2 10.8#

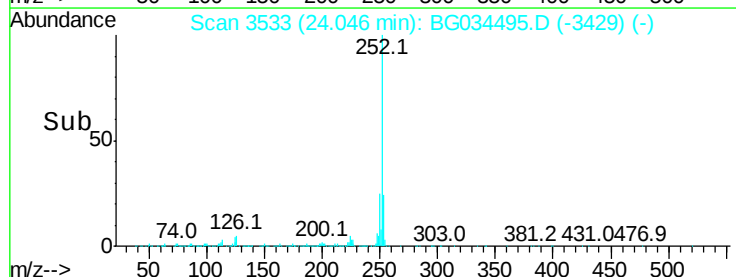
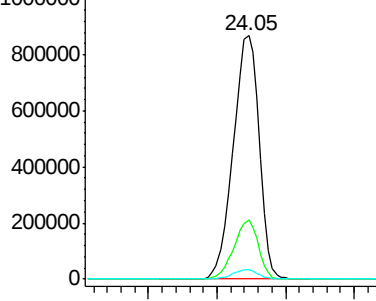


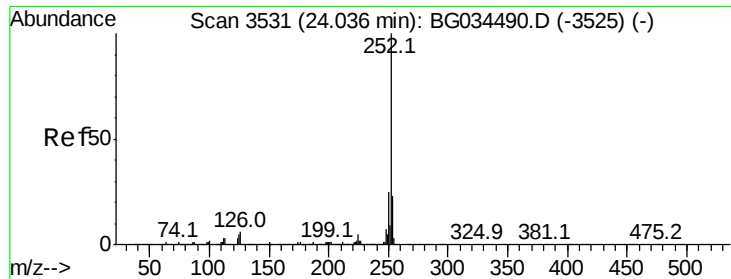
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 92.090 ng

RT: 24.05 min Scan# 3533

Delta R.T. 0.01 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

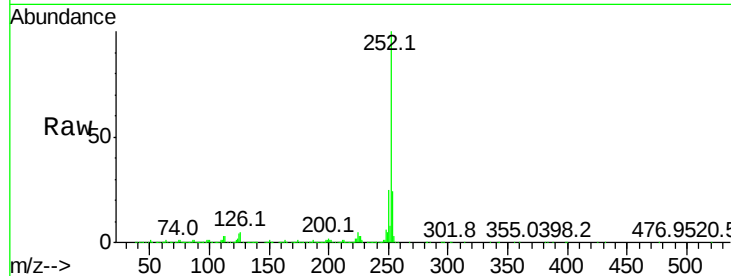
Tot Ion:252 Resp: 2280180

Ion Ratio Lower Upper

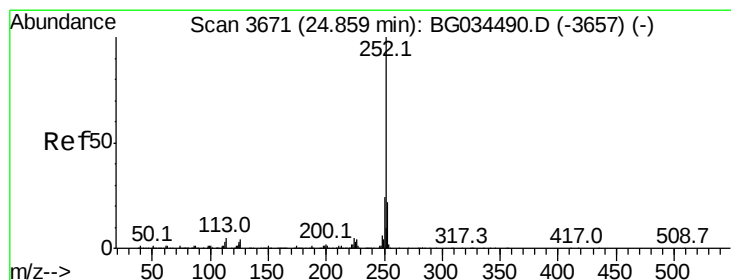
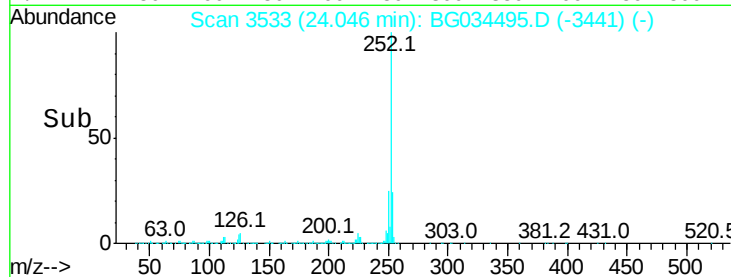
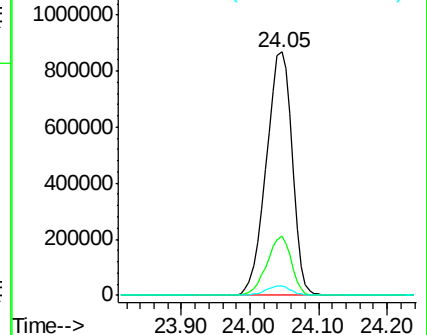
252 100

253 24.3 17.4 26.2

125 3.8 6.6 9.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 115.000 ng

RT: 24.87 min Scan# 3673

Delta R.T. 0.02 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

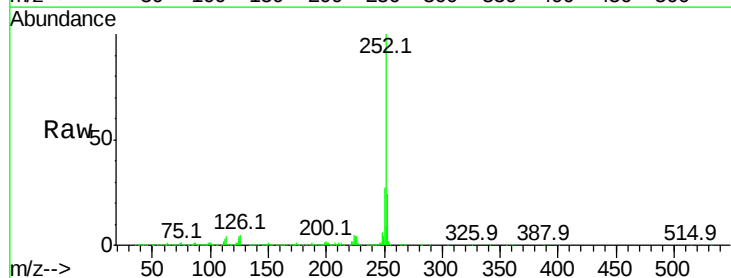
Tgt Ion:252 Resp: 2845058

Ion Ratio Lower Upper

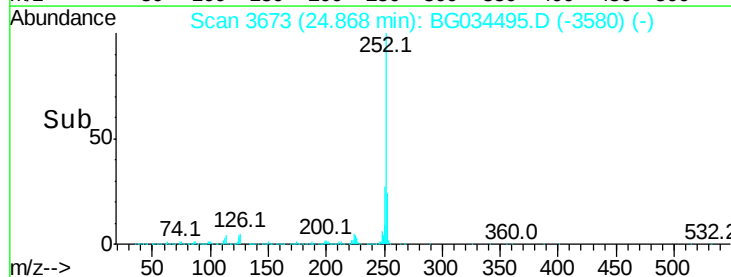
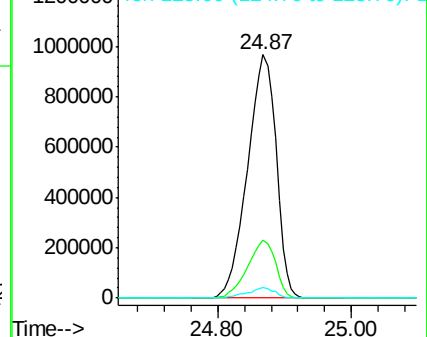
252 100

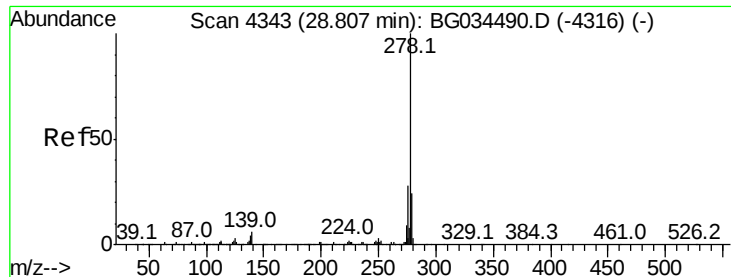
253 23.9 18.3 27.5

125 4.5 7.3 10.9#



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

Dibenzo(a,h)anthracene

Concen: 94.839 ng

RT: 28.84 min Scan# 4349

Delta R.T. 0.05 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

Instrument :

BNA_G

ClientSampleId :

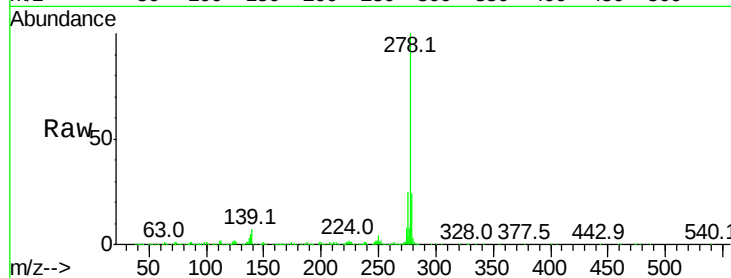
Tot Ion:278 Resp: 2326744

Ion	Ratio	Lower	Upper
278	100		
139	6.9	9.8	14.6#
279	23.7	18.4	27.6

278 100

139 6.9 9.8 14.6#

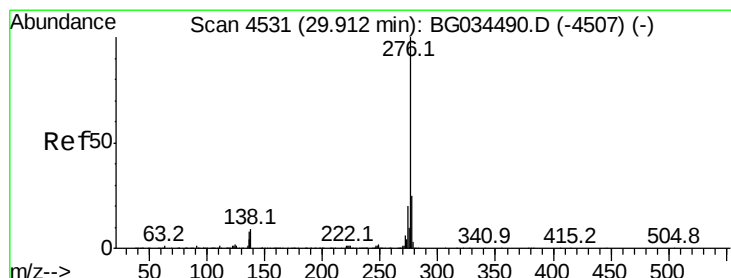
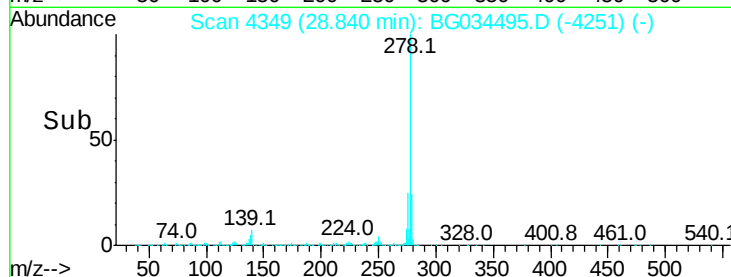
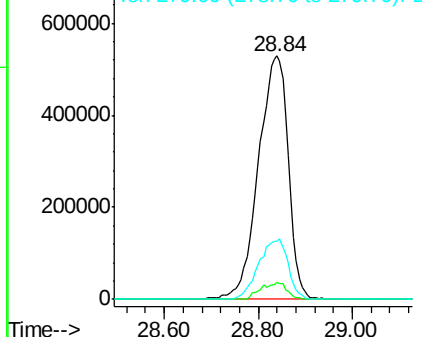
279 23.7 18.4 27.6



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



#91

Benzo(g,h,i)perylene

Concen: 99.414 ng

RT: 29.95 min Scan# 4538

Delta R.T. 0.06 min

Lab File: BG034495.D

Acq: 16 May 2018 19:22

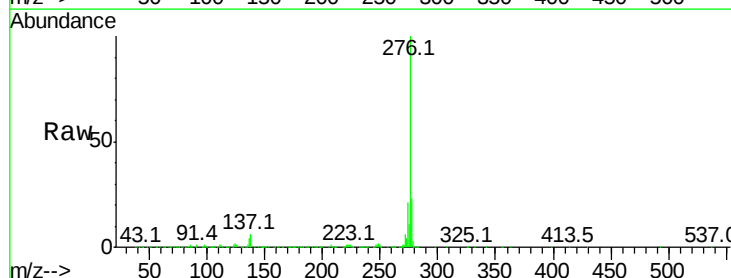
Tgt Ion:276 Resp: 2451766

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.3	27.5
138	6.1	13.9	20.9#

276 100

277 22.9 18.3 27.5

138 6.1 13.9 20.9#



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

