

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG111318\
 Data File : BG037989.D
 Acq On : 13 Nov 2018 22:35
 Operator : JU/SJ
 Sample : J5913-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DOC-19-PRE-CHAR-COMPOSITE

Quant Time: Nov 14 00:14:38 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	8.09	152	49867	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	205531	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	132866	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	321466	20.00	ng	0.00
76) Chrysene-d12	21.75	240	305706	20.00	ng	0.00
87) Perylene-d12	25.07	264	315208	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	308936	106.96	ng	0.00
7) Phenol-d6	7.23	99	388792	94.30	ng	0.00
23) Nitrobenzene-d5	9.26	82	294893	76.80	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	168291	111.06	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	692449	75.93	ng	0.00
79) Terphenyl-d14	20.07	244	1081219	83.22	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.53	88	74	0.054	ng	# 13
4) n-Nitrosodimethylamine	3.84	42	380	0.269	ng	# 1
6) Aniline	7.62	93	389	0.073	ng	# 1
8) 2-Chlorophenol	7.63	128	53	0.016	ng	# 1
9) Benzaldehyde	7.24	77	508	0.170	ng	# 4
10) Phenol	7.61	94	769	0.176	ng	# 1
11) bis(2-Chloroethyl)ether	7.62	93	389	0.109	ng	# 1
15) Benzyl Alcohol	8.41	79	4177	1.400	ng	# 51
16) 2,2'-oxybis(1-Chloropropan	8.62	45	97	0.015	ng	# 74
19) n-Nitroso-di-n-propylamine	9.26	70	36268	12.158	ng	# 76
22) Acetophenone	8.92	105	59	0.012	ng	# 48
24) Nitrobenzene	9.26	77	467	0.119	ng	# 42
25) Isophorone	9.40	82	271	0.039	ng	# 67
31) Naphthalene	10.96	128	836	0.083	ng	# 68
37) 2-Methylnaphthalene	12.58	142	54	0.007	ng	# 14
38) 1-Methylnaphthalene	12.58	142	54	0.008	ng	# 6
46) 1,1'-Biphenyl	13.56	154	1390	0.125	ng	# 80
48) 2-Nitroaniline	13.35	65	1044	0.389	ng	# 1
51) 2,6-Dinitrotoluene	14.72	165	17630	7.395	ng	# 24
52) Acenaphthene	14.78	154	57	0.007	ng	# 3
57) 2,4-Dinitrotoluene	14.72	165	17630	5.435	ng	# 24
58) Fluorene	16.21	166	8083	0.850	ng	# 77
60) Diethylphthalate	15.52	149	53	0.005	ng	# 58
63) Azobenzene	16.20	77	834	0.083	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.19	198	121	0.060	ng	# 60
66) n-Nitrosodiphenylamine	16.21	169	7105	0.731	ng	# 51
67) 4-Bromophenyl-phenylether	16.21	248	11832	3.353	ng	# 1
71) Phenanthrene	17.51	178	514	0.031	ng	# 59
72) Anthracene	17.51	178	514	0.032	ng	# 60
74) Di-n-butylphthalate	18.41	149	605	0.033	ng	# 77
75) Fluoranthene	19.52	202	101	0.005	ng	# 63
77) Benzidine	20.07	184	17721	1.652	ng	# 91
78) Pyrene	19.88	202	165	0.008	ng	# 56
80) Butylbenzylphthalate	20.75	149	119	0.014	ng	# 23

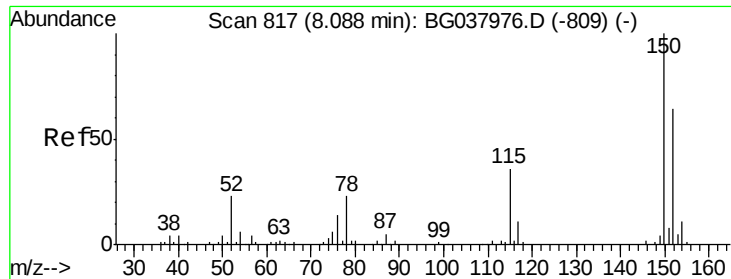
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG111318\
Data File : BG037989.D
Acq On : 13 Nov 2018 22:35
Operator : JU/SJ
Sample : J5913-02
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ALS Vial : 9 Sample Multiplier: 1

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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)
81) Benzo(a)anthracene	21.74	228	1392	0.075	ng	# 63
83) Chrysene	21.80	228	127	0.007	ng	# 72
84) Bis(2-ethylhexyl)phthalate	21.60	149	1484	0.119	ng	# 91
85) Di-n-octyl phthalate	22.83	149	158	0.008	ng	# 1
86) Indeno(1,2,3-cd)pyrene	28.85	276	54	0.003	ng	# 55
88) Benzo(b)fluoranthene	24.01	252	122	0.007	ng	# 59
89) Benzo(k)fluoranthene	24.10	252	97	0.006	ng	# 60
90) Benzo(a)pyrene	25.07	252	1134	0.068	ng	# 49

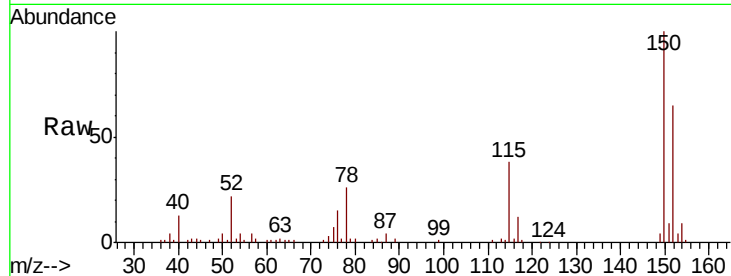
(#) = qualifier out of range (m) = manual integration (+) = signals summed



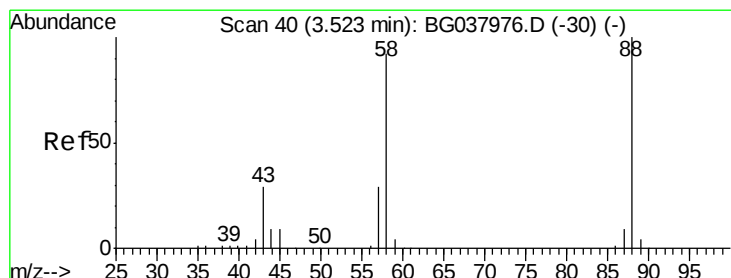
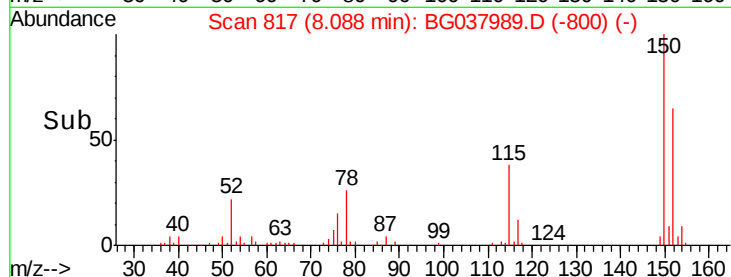
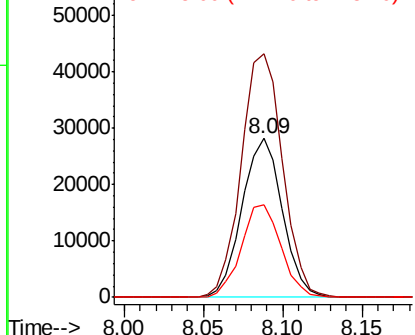
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.09 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

Instrument :
 BNA_G
 ClientSampleId :
 DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion:152 Resp: 49867
 Ion Ratio Lower Upper
 152 100
 150 153.3 126.0 189.0
 115 58.4 45.5 68.3

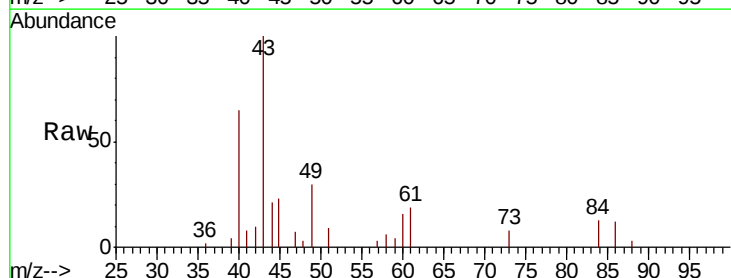


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

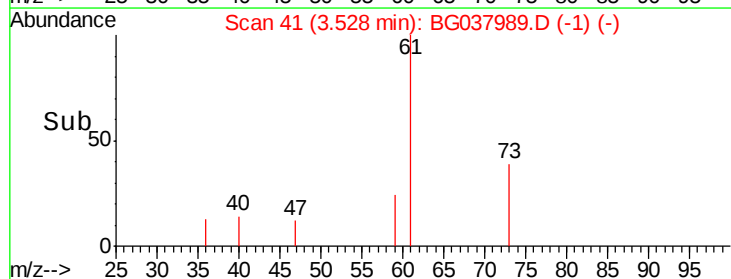
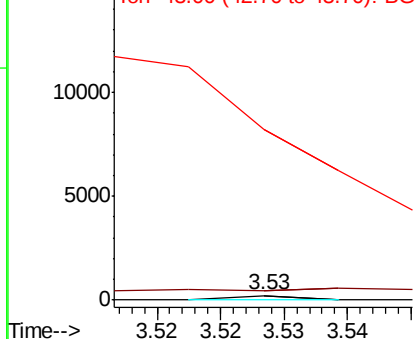


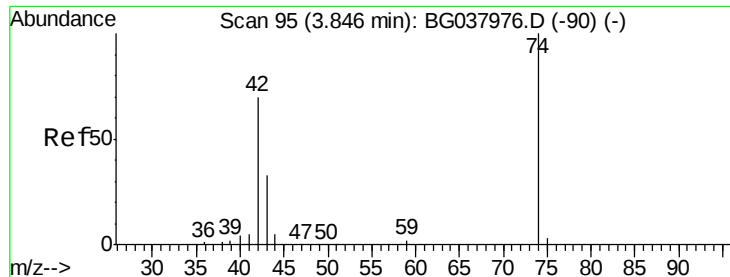
#2
 1,4-Dioxane
 Concen: 0.054 ng
 RT: 3.53 min Scan# 41
 Delta R.T. 0.01 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

Tgt Ion: 88 Resp: 74
 Ion Ratio Lower Upper
 88 100
 58 0.0 74.4 111.6#
 43 0.0 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





#4

n-Nitrosodimethylamine

Concen: 0.269 ng

RT: 3.84 min Scan# 94

Delta R.T. -0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

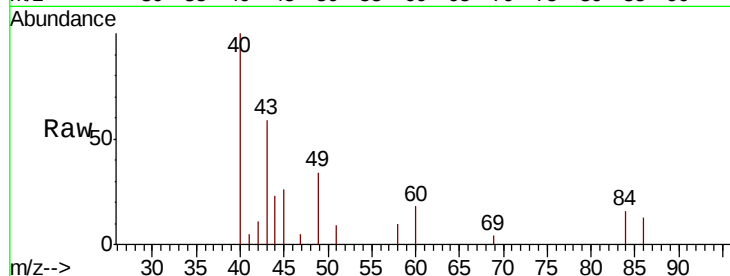
Tgt Ion: 42 Resp: 380

Ion Ratio Lower Upper

42 100

74 0.0 102.0 153.0#

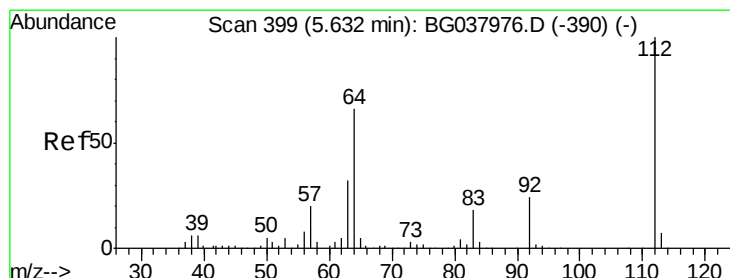
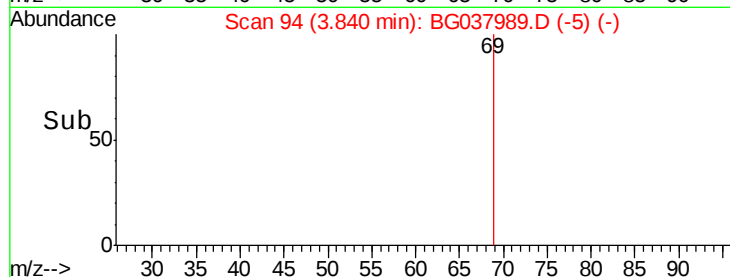
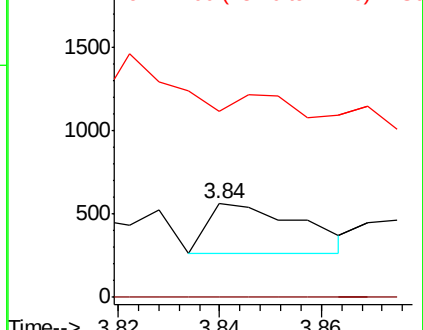
44 198.9 9.6 14.4#



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: 106.964 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.00 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

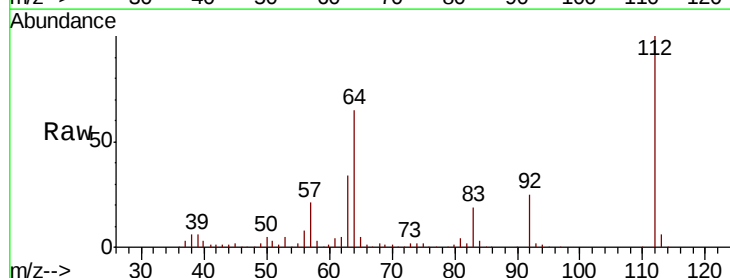
Tgt Ion: 112 Resp: 308936

Ion Ratio Lower Upper

112 100

64 65.4 53.1 79.7

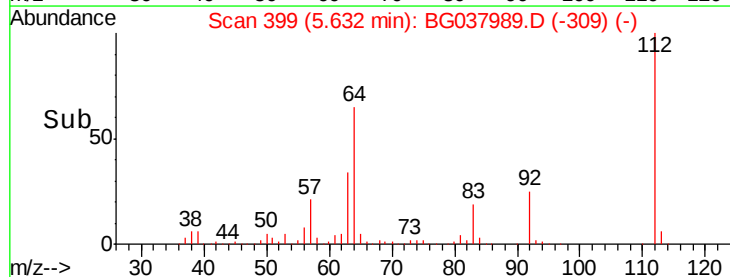
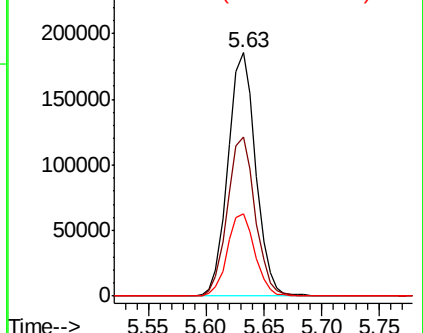
63 33.9 27.3 40.9

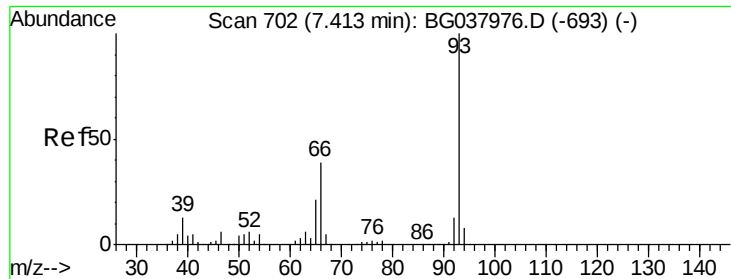


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 0.073 ng

RT: 7.62 min Scan# 737

Delta R.T. 0.20 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

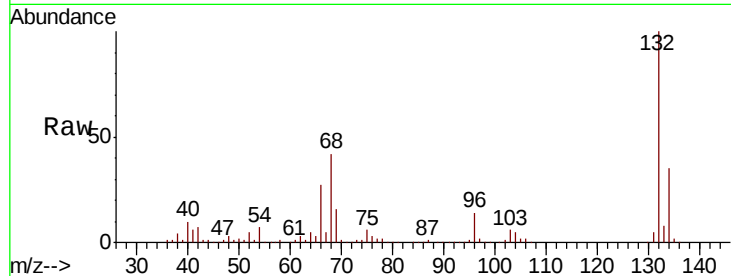
Tgt Ion: 93 Resp: 389

Ion Ratio Lower Upper

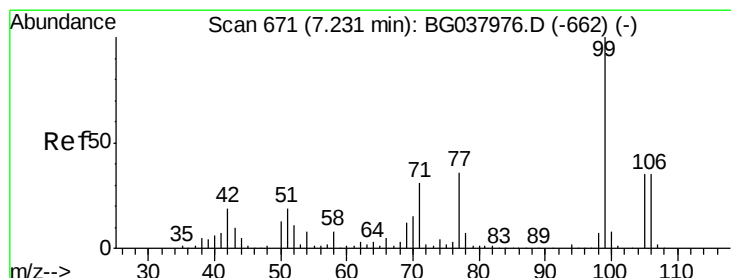
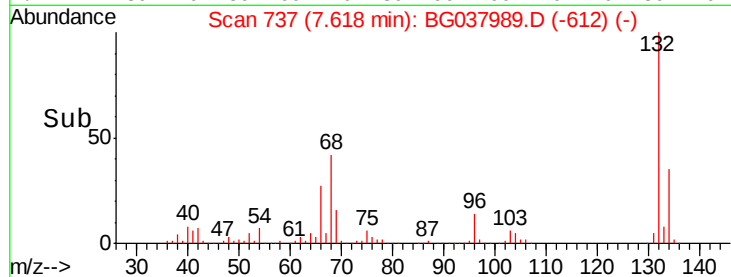
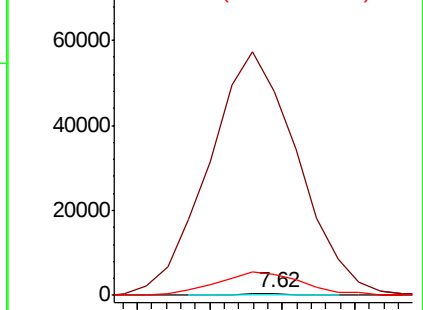
93 100

66 10515.5 32.8 49.2#

65 1055.4 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: 94.304 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

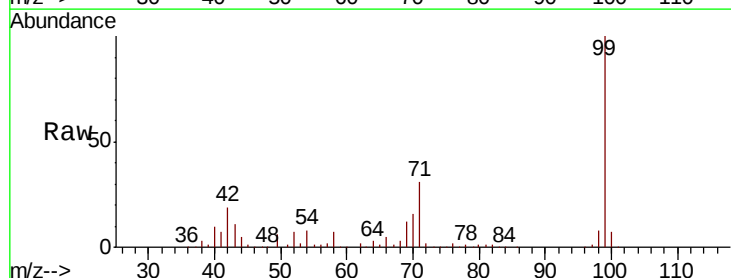
Tgt Ion: 99 Resp: 388792

Ion Ratio Lower Upper

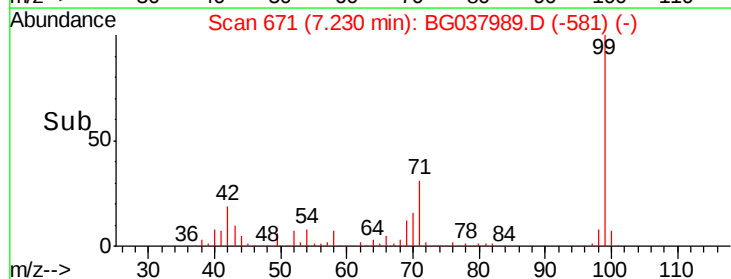
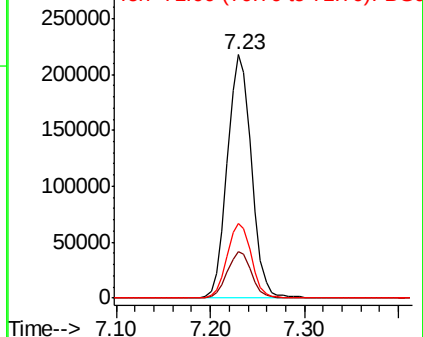
99 100

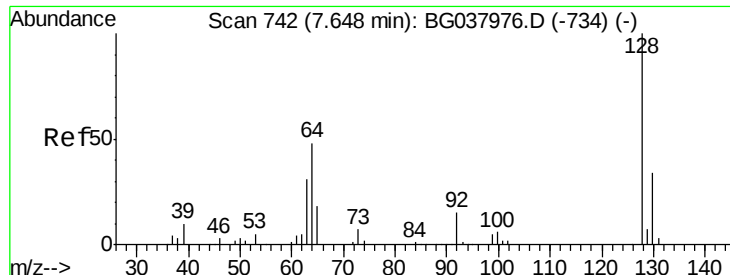
42 19.1 15.0 22.4

71 30.8 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: 0.016 ng

RT: 7.63 min Scan# 739

Delta R.T. -0.02 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

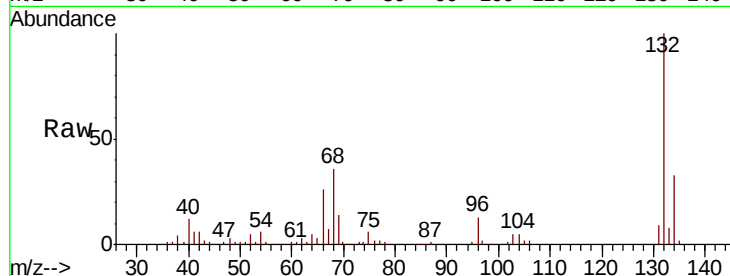
Tgt Ion:128 Resp: 53

Ion Ratio Lower Upper

128 100

130 182.7 12.0 52.0#

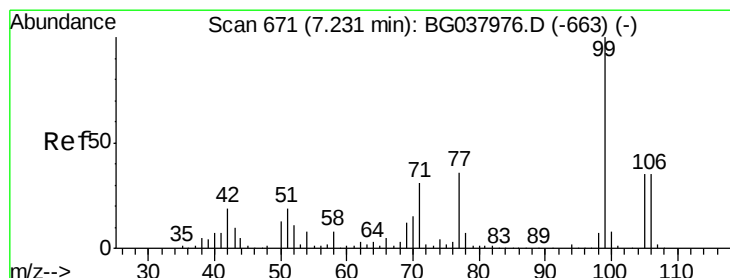
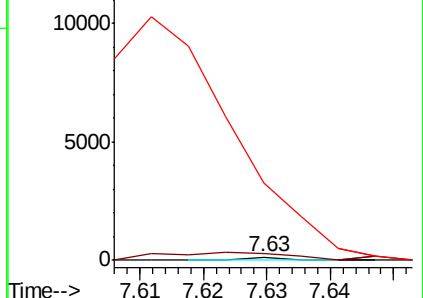
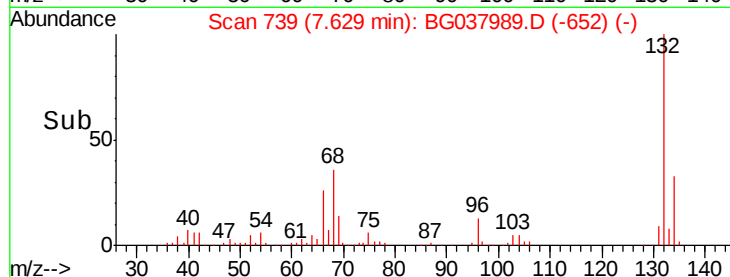
64 2165.3 32.9 72.9#



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: 0.170 ng

RT: 7.24 min Scan# 673

Delta R.T. 0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

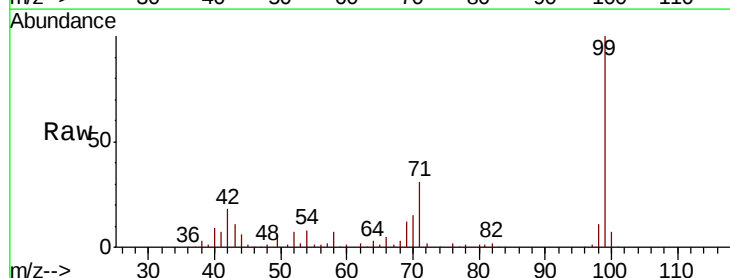
Tgt Ion: 77 Resp: 508

Ion Ratio Lower Upper

77 100

105 0.0 72.6 112.6#

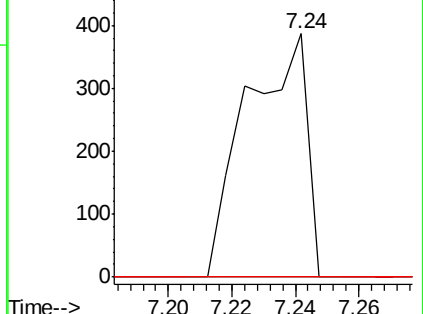
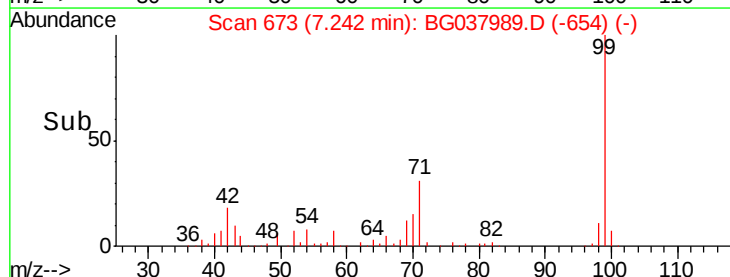
106 0.0 71.3 111.3#

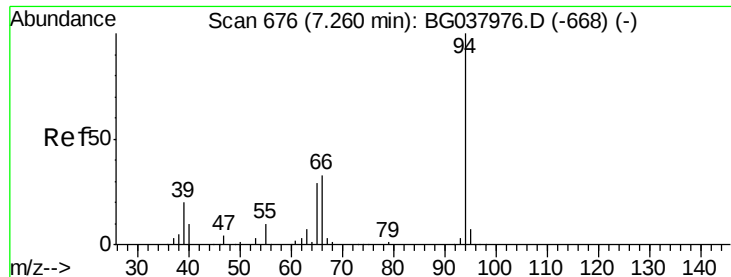


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.176 ng

RT: 7.61 min Scan# 736

Delta R.T. 0.35 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

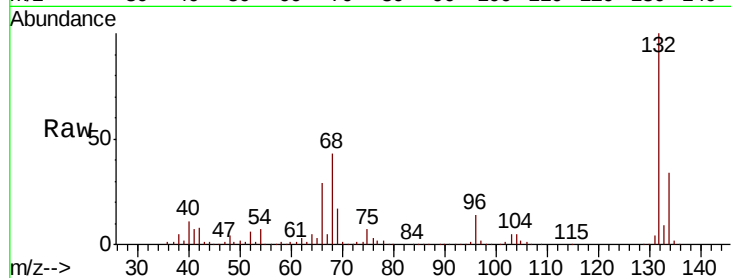
Tgt Ion: 94 Resp: 769

Ion Ratio Lower Upper

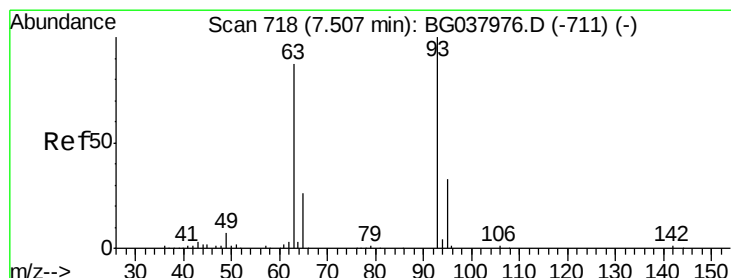
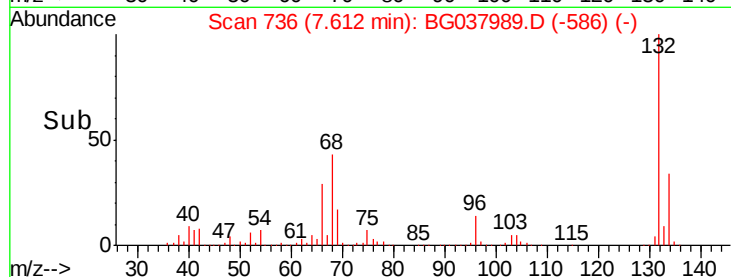
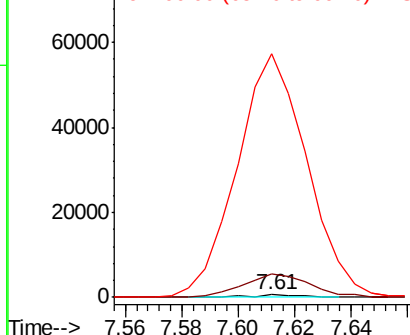
94 100

65 989.4 9.7 49.7#

66 10345.1 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: 0.109 ng

RT: 7.62 min Scan# 737

Delta R.T. 0.11 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

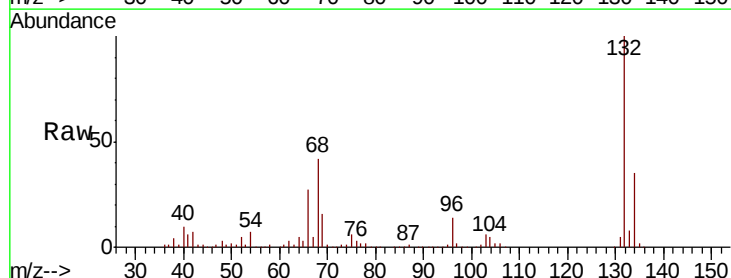
Tgt Ion: 93 Resp: 389

Ion Ratio Lower Upper

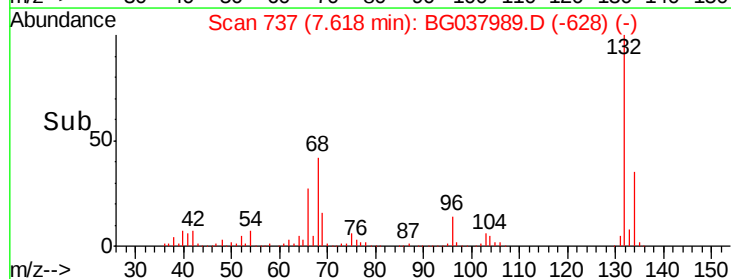
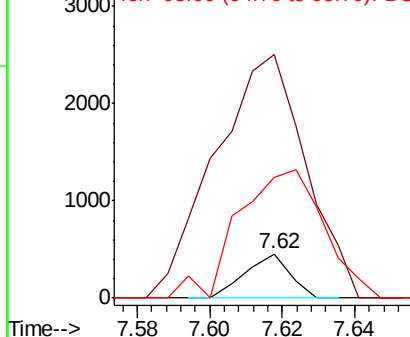
93 100

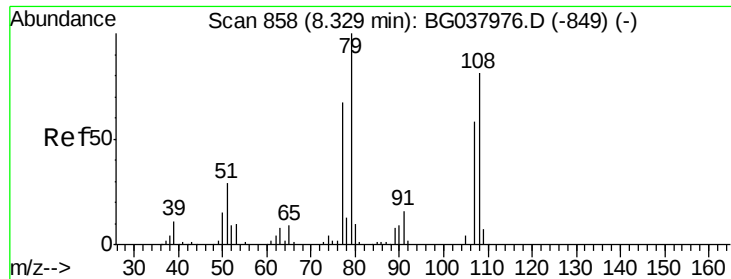
63 547.7 69.5 109.5#

95 270.2 12.6 52.6#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.400 ng

RT: 8.41 min Scan# 872

Delta R.T. 0.08 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

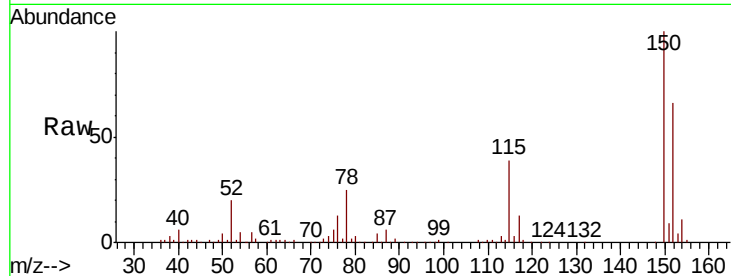
Tgt Ion: 79 Resp: 4177

Ion Ratio Lower Upper

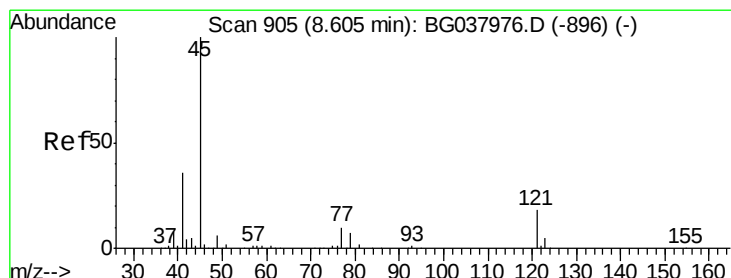
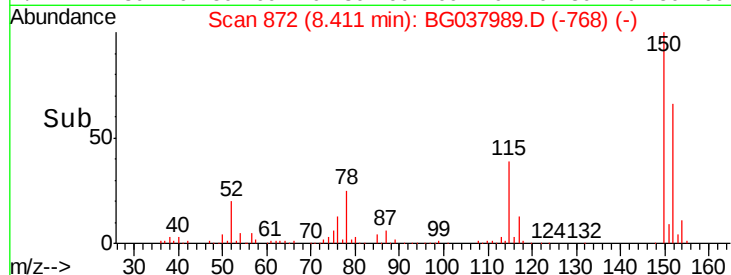
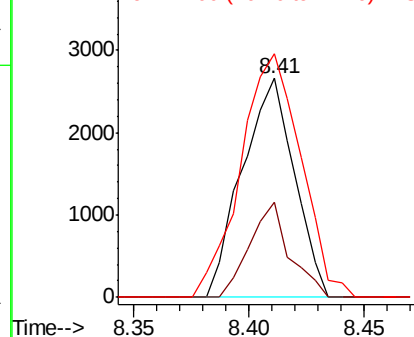
79 100

108 43.5 65.8 98.8#

77 111.3 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: 0.015 ng

RT: 8.62 min Scan# 908

Delta R.T. 0.02 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

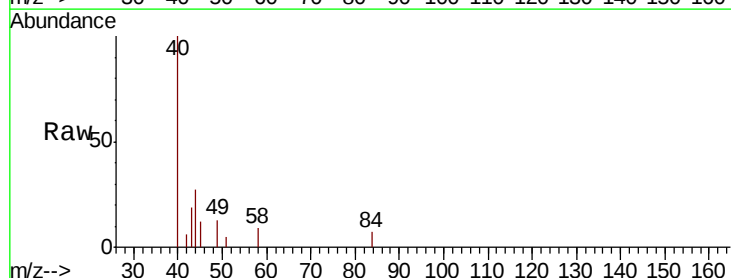
Tgt Ion: 45 Resp: 97

Ion Ratio Lower Upper

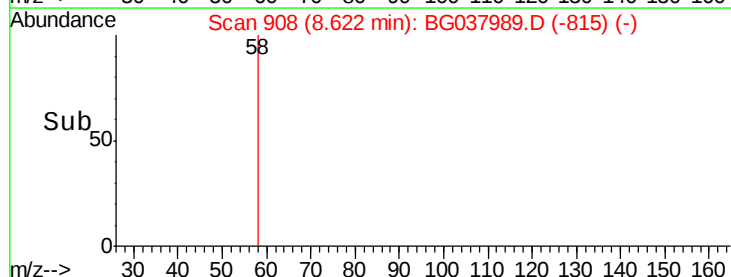
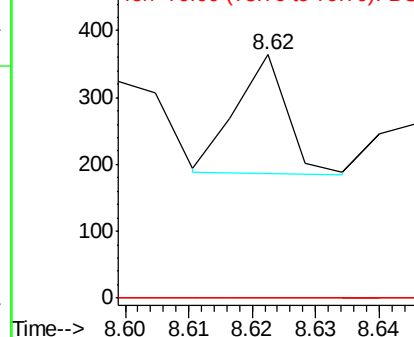
45 100

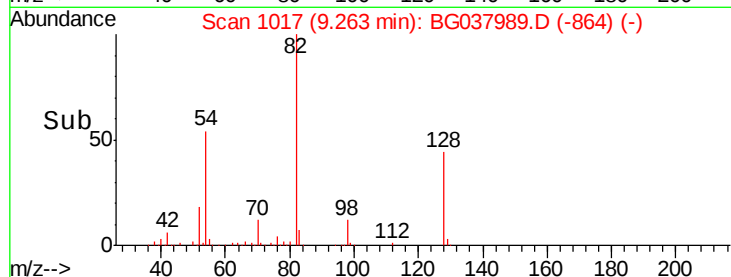
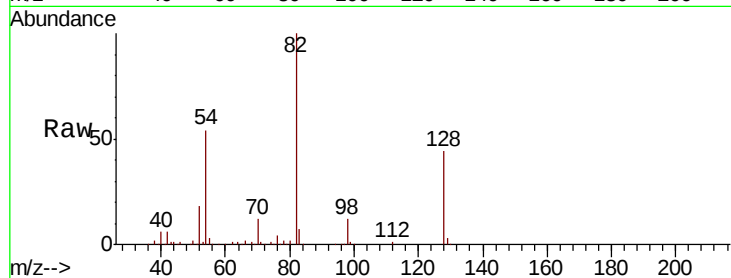
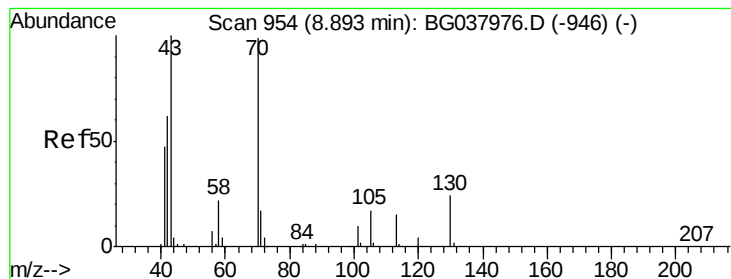
77 0.0 0.0 30.0

79 0.0 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





#19

n-Nitroso-di-n-propylamine

Concen: 12.158 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion: 70 Resp: 36268

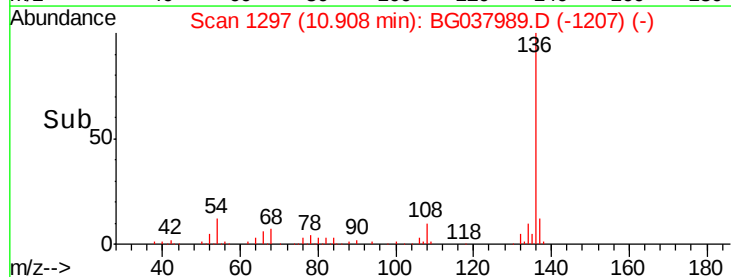
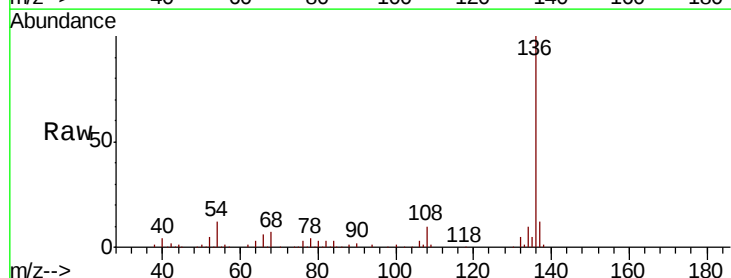
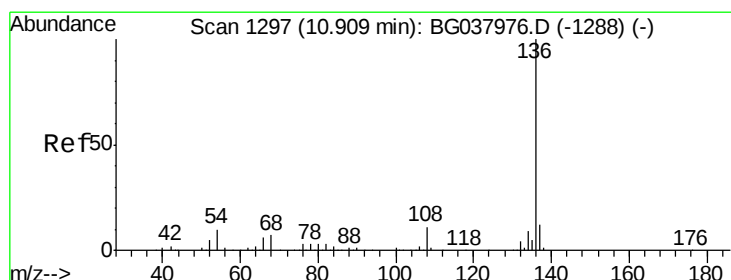
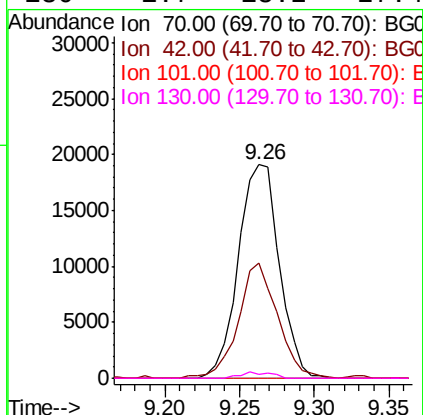
Ion Ratio Lower Upper

70 100

42 53.7 53.9 80.9#

101 0.0 8.2 12.2#

130 1.7 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Tgt Ion: 136 Resp: 205531

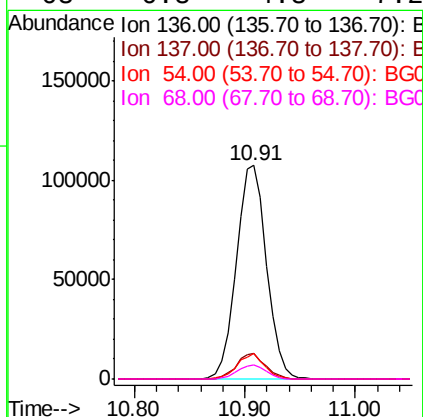
Ion Ratio Lower Upper

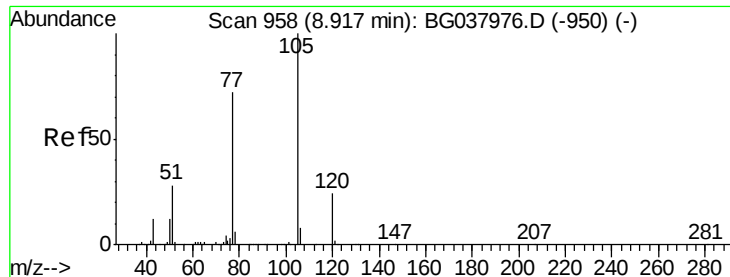
136 100

137 12.0 9.6 14.4

54 11.9 7.9 11.9#

68 6.8 4.8 7.2





#22

Acetophenone

Concen: 0.012 ng

RT: 8.92 min Scan# 958

Delta R.T. -0.00 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

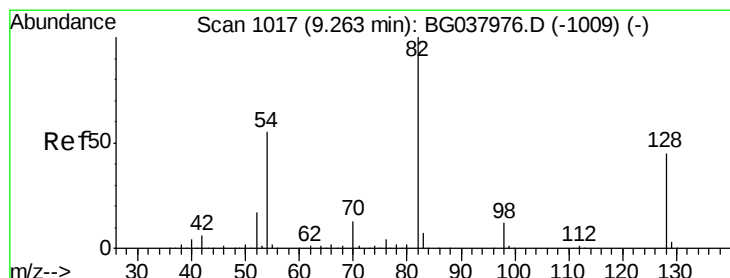
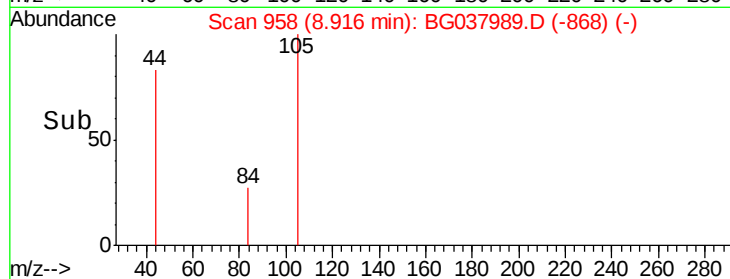
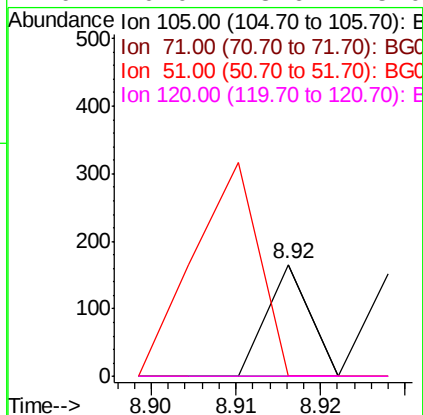
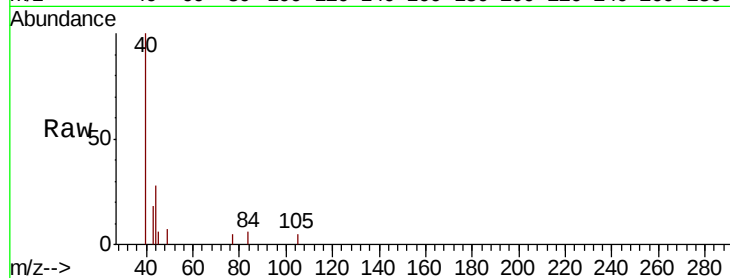
Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion:	105	Resp:	59
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	0.0	25.0	37.6#
120	0.0	18.6	28.0#



#23

Nitrobenzene-d5

Concen: 76.805 ng

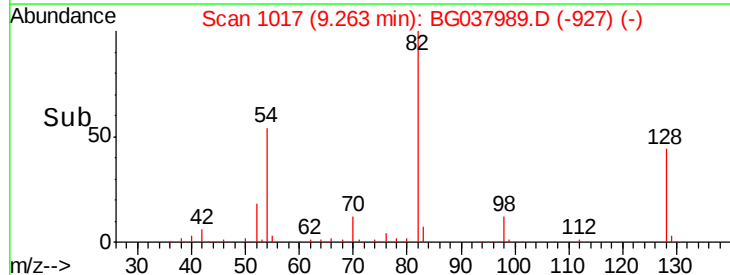
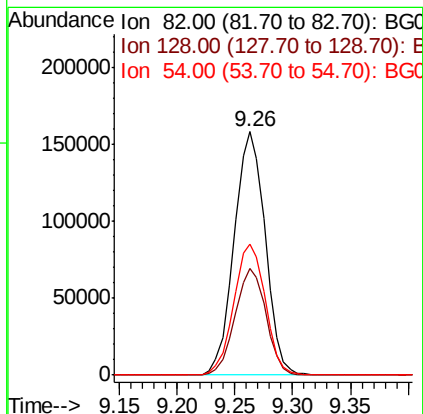
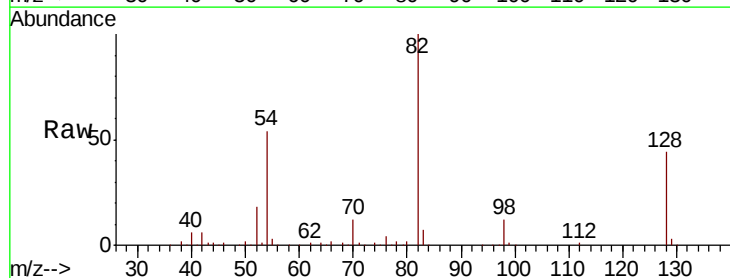
RT: 9.26 min Scan# 1017

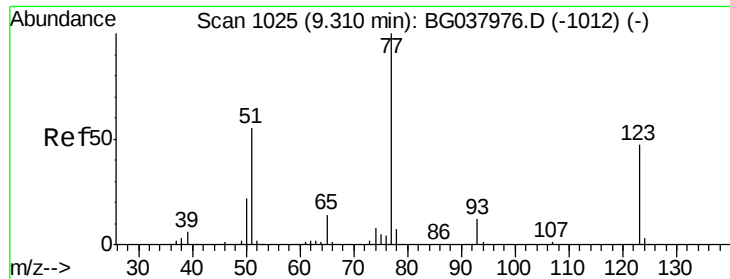
Delta R.T. -0.00 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Tgt Ion:	82	Resp:	294893
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	51.8
54	53.7	45.3	67.9

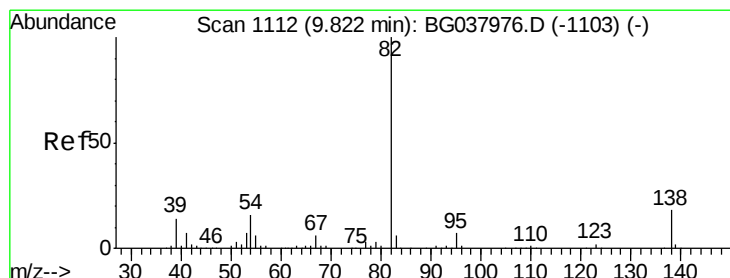
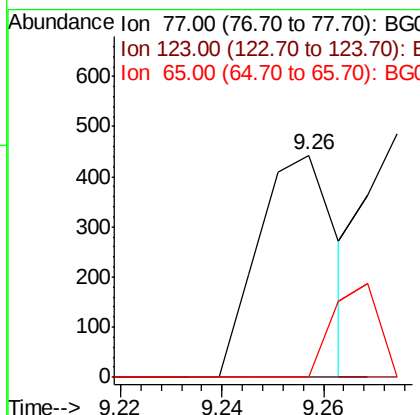
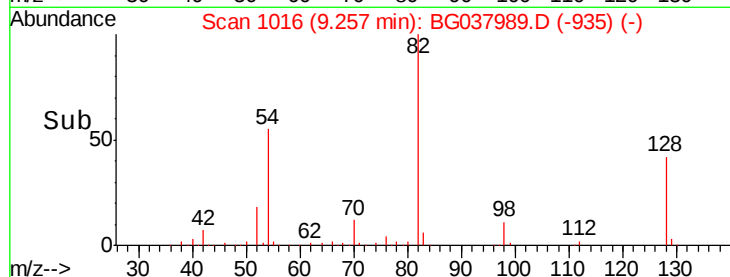
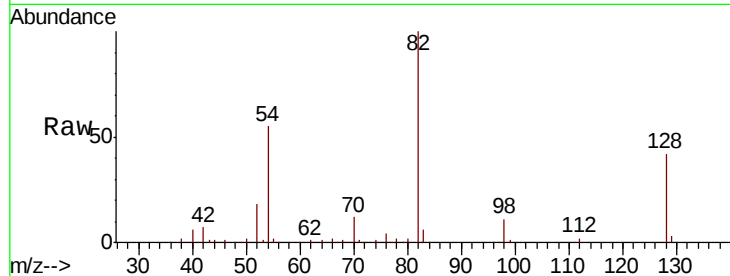




#24
Nitrobenzene
Concen: 0.119 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.05 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

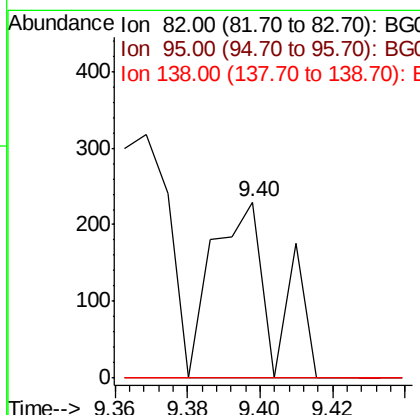
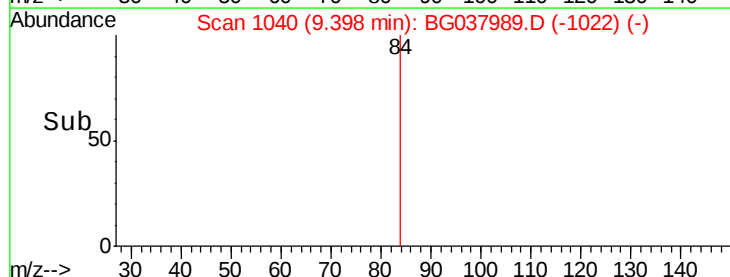
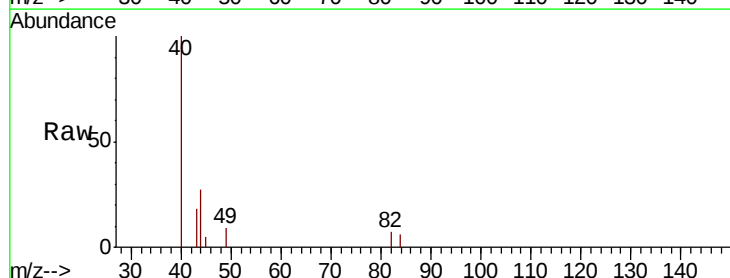
Instrument :
BNA_G
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

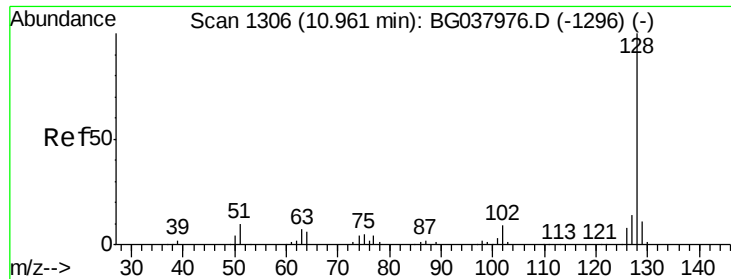
Tgt Ion: 77 Resp: 467
Ion Ratio Lower Upper
77 100
123 0.0 33.6 50.4#
65 0.0 11.3 16.9#



#25
Isophorone
Concen: 0.039 ng
RT: 9.40 min Scan# 1040
Delta R.T. -0.42 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Tgt Ion: 82 Resp: 271
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.3 19.9#

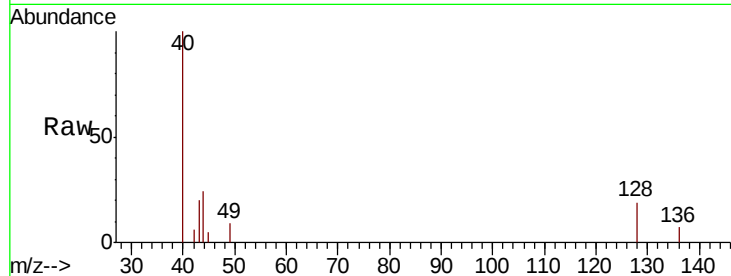




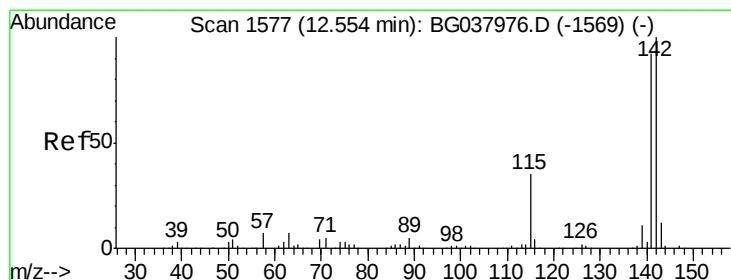
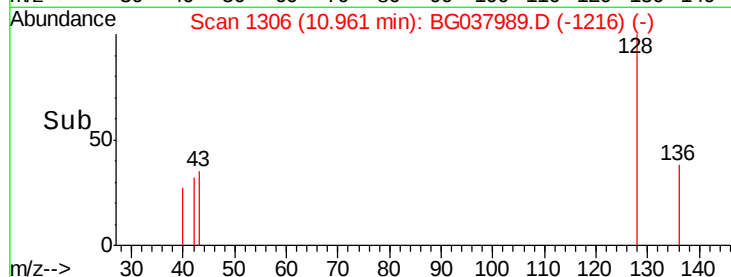
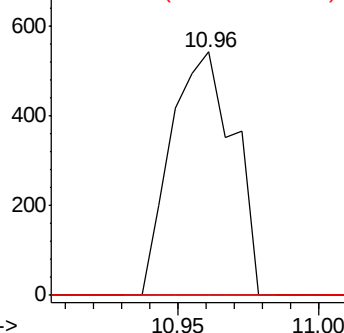
#31
Naphthalene
Concen: 0.083 ng
RT: 10.96 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Instrument :
BNA_G
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion:128 Resp: 836
Ion Ratio Lower Upper
128 100
129 0.0 9.0 13.6#
127 0.0 11.1 16.7#

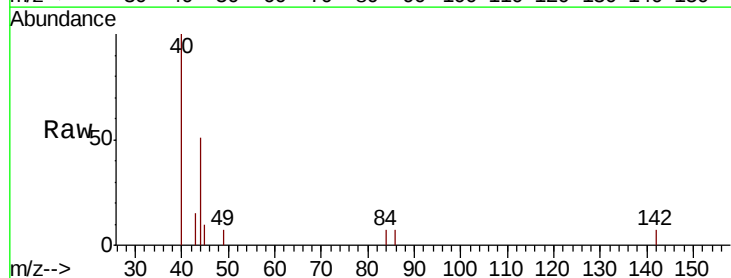


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

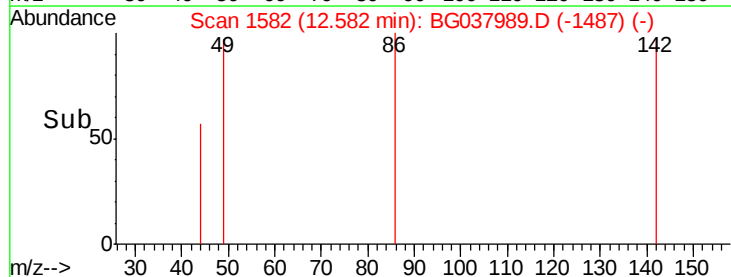
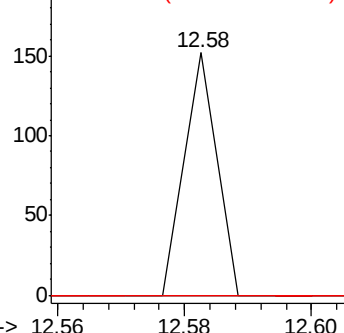


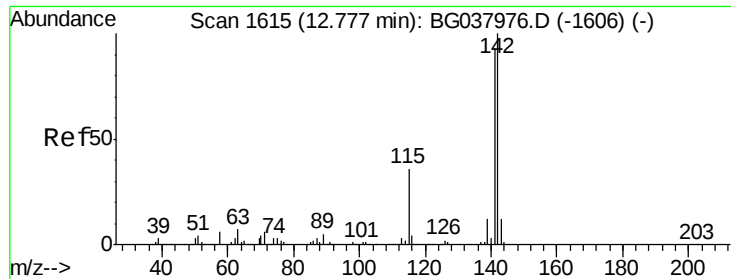
#37
2-Methylnaphthalene
Concen: 0.007 ng
RT: 12.58 min Scan# 1582
Delta R.T. 0.03 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
141 0.0 71.9 107.9#
115 0.0 27.8 41.8#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

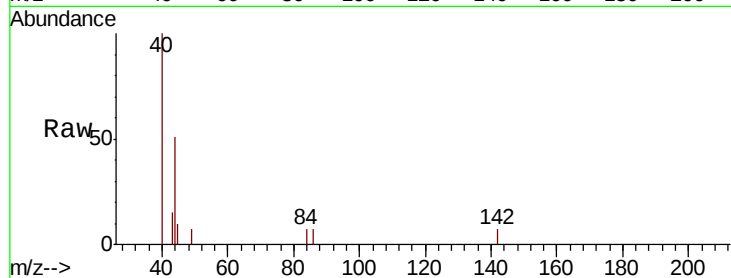




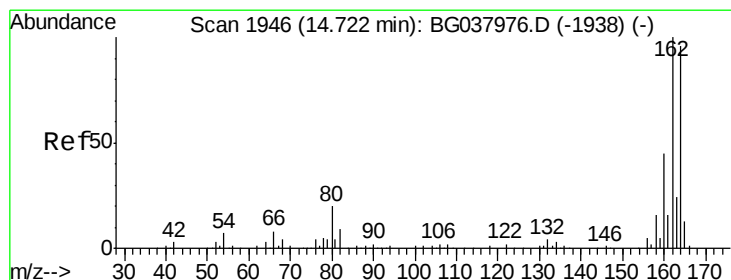
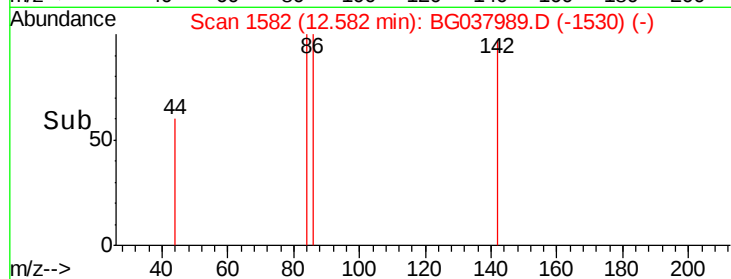
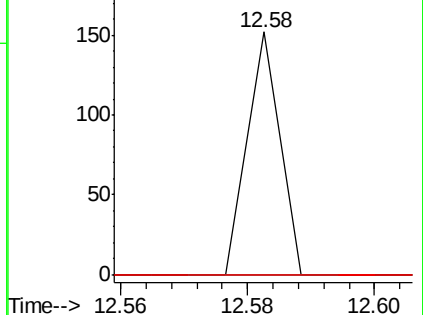
#38
 1-Methylnaphthalene
 Concen: 0.008 ng
 RT: 12.58 min Scan# 1582
 Delta R.T. -0.19 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

Instrument :
 BNA_G
 ClientSampleId :
 DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	0.0	75.2	112.8#
116	0.0	3.3	4.9#

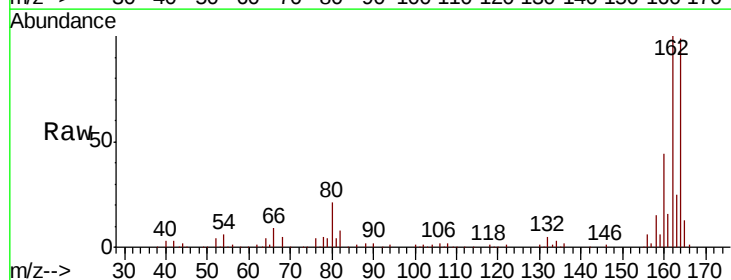


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

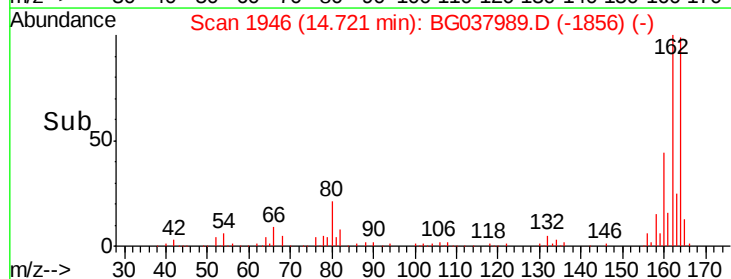
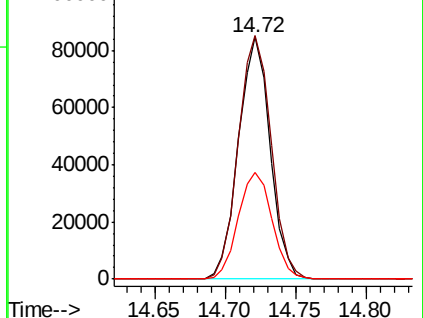


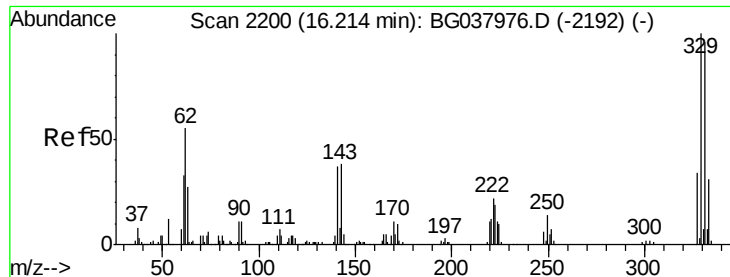
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.3	121.9
160	44.0	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





#42

2,4,6-Tribromophenol

Concen: 111.061 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

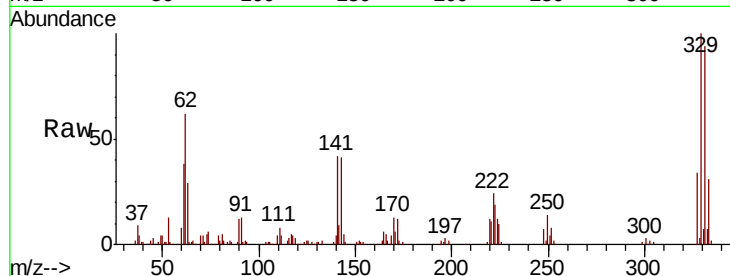
Tgt Ion:330 Resp: 168291

Ion Ratio Lower Upper

330 100

332 94.9 78.4 117.6

141 41.0 32.2 48.2

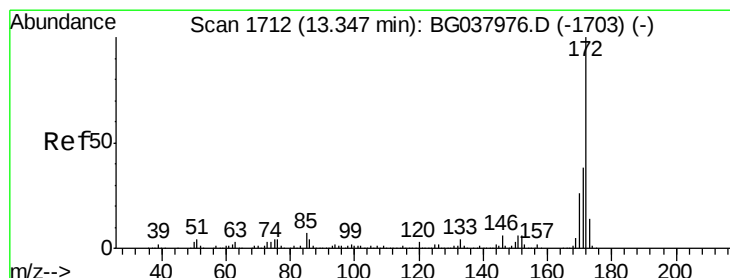
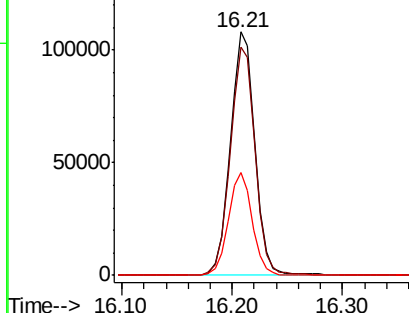
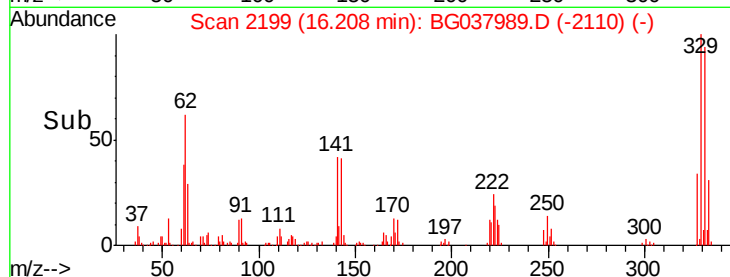


Abundance

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



#45

2-Fluorobiphenyl

Concen: 75.926 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

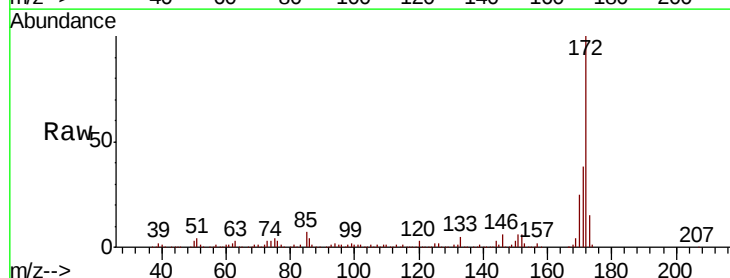
Tgt Ion:172 Resp: 692449

Ion Ratio Lower Upper

172 100

171 37.5 31.0 46.4

170 25.0 20.2 30.2

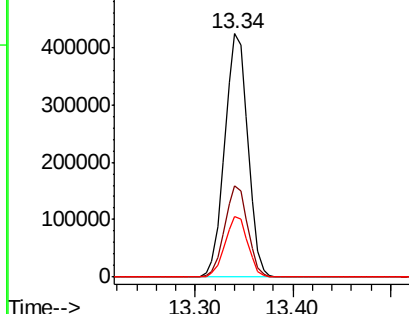
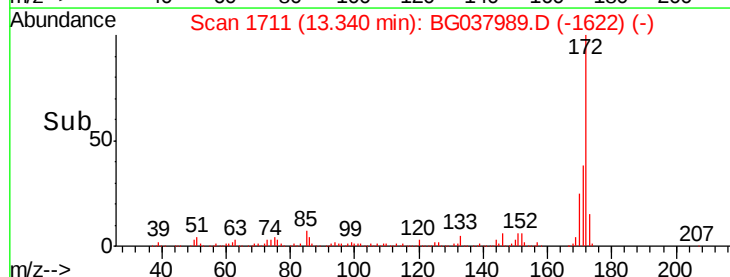


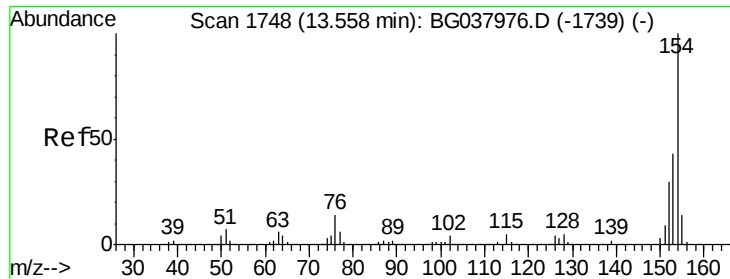
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

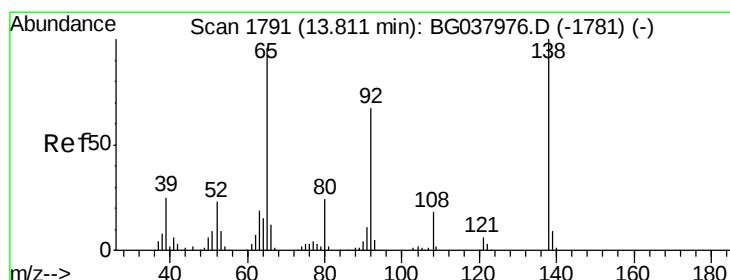
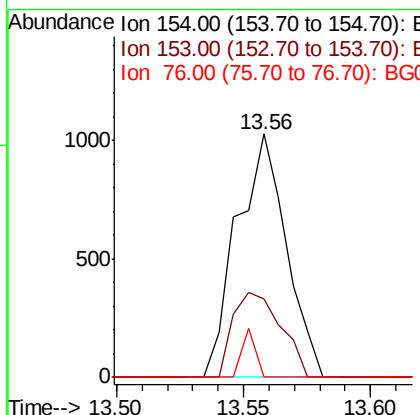
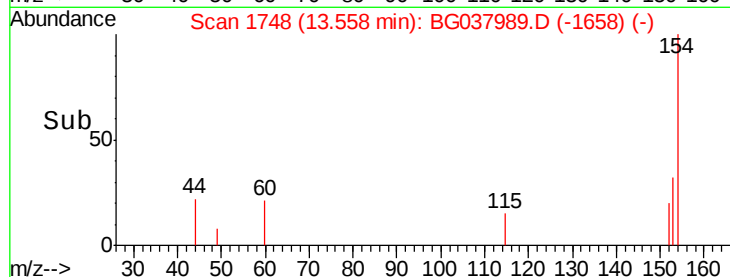
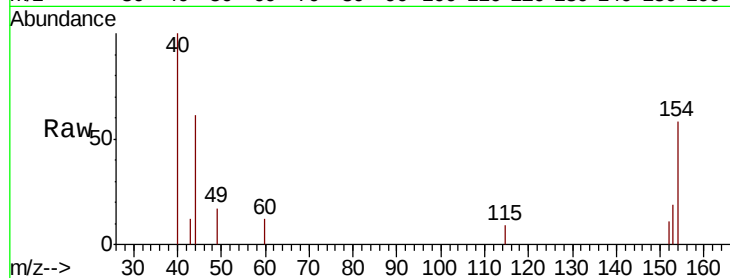




#46
1,1'-Biphenyl
Concen: 0.125 ng
RT: 13.56 min Scan# 1748
Delta R.T. -0.00 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

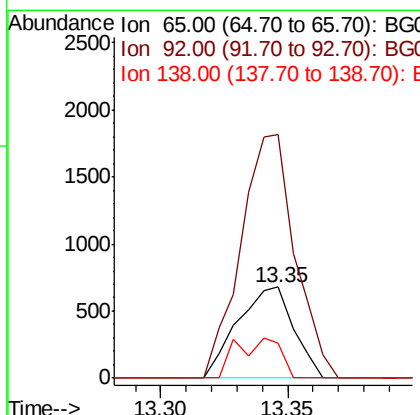
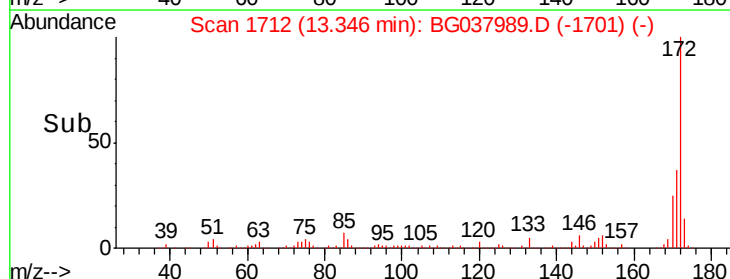
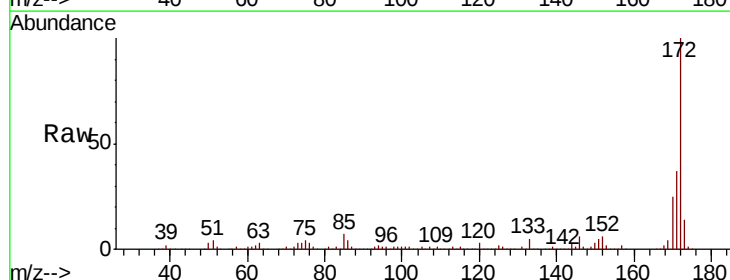
Instrument :
BNA_G
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

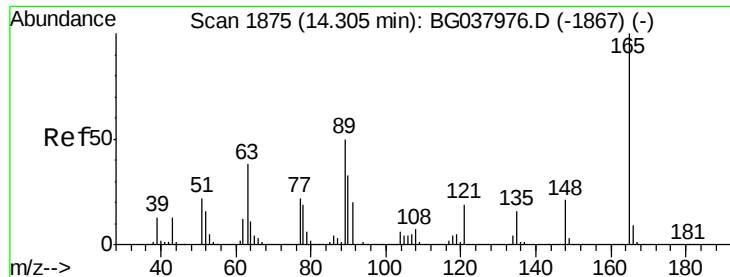
Tgt Ion: 154 Resp: 1390
Ion Ratio Lower Upper
154 100
153 32.1 22.1 62.1
76 0.0 0.0 33.2



#48
2-Nitroaniline
Concen: 0.389 ng
RT: 13.35 min Scan# 1712
Delta R.T. -0.46 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Tgt Ion: 65 Resp: 1044
Ion Ratio Lower Upper
65 100
92 267.7 53.2 79.8#
138 38.6 79.3 118.9#

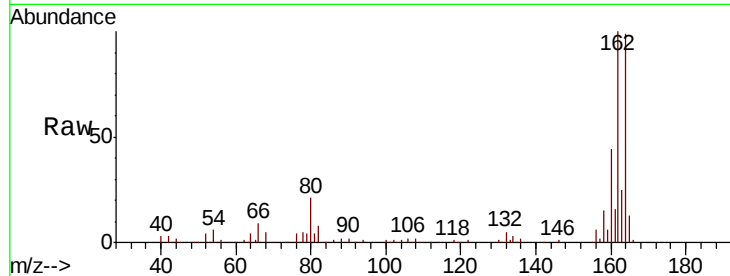




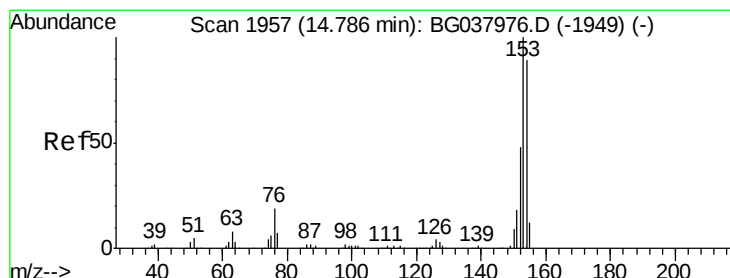
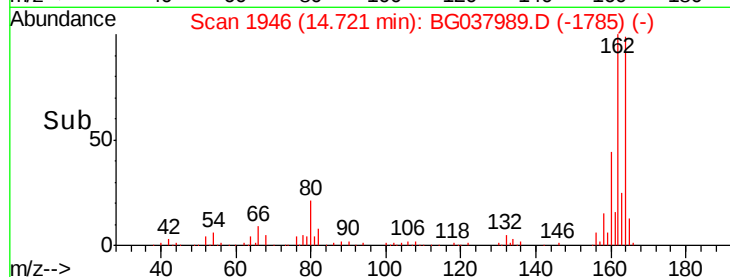
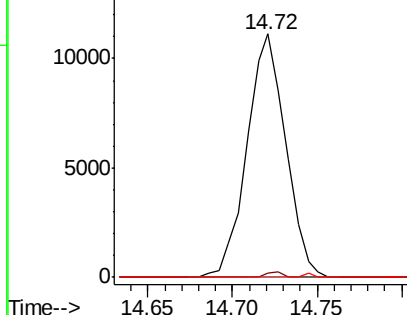
#51
 2,6-Dinitrotoluene
 Concen: 7.395 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

Instrument :
 BNA_G
 ClientSampleId :
 DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion:165 Resp: 17630
 Ion Ratio Lower Upper
 165 100
 63 1.5 43.4 65.2#
 89 0.0 45.8 68.6#

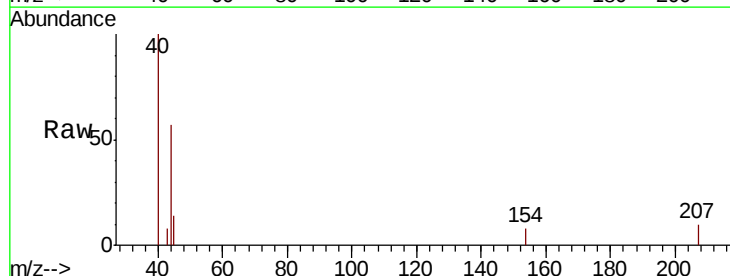


Abundance Ion 165.00 (164.70 to 165.70): E
 15000 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

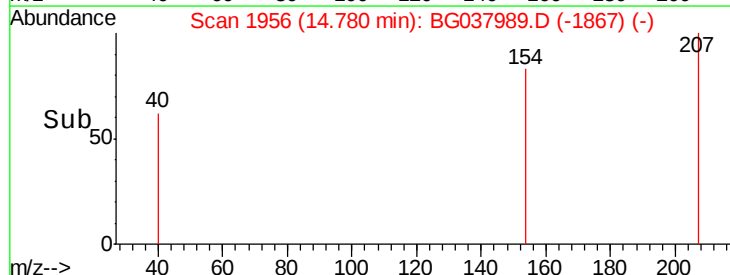
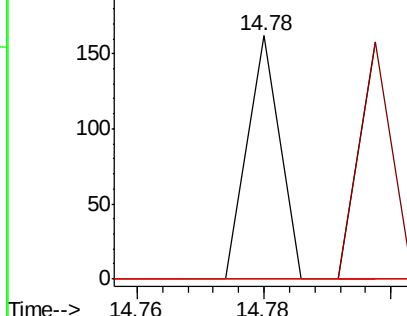


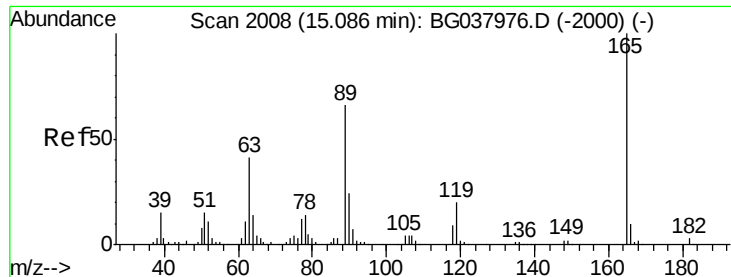
#52
 Acenaphthene
 Concen: 0.007 ng
 RT: 14.78 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

Tgt Ion:154 Resp: 57
 Ion Ratio Lower Upper
 154 100
 153 0.0 93.4 140.0#
 152 0.0 44.7 67.1#



Abundance Ion 154.00 (153.70 to 154.70): E
 200 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

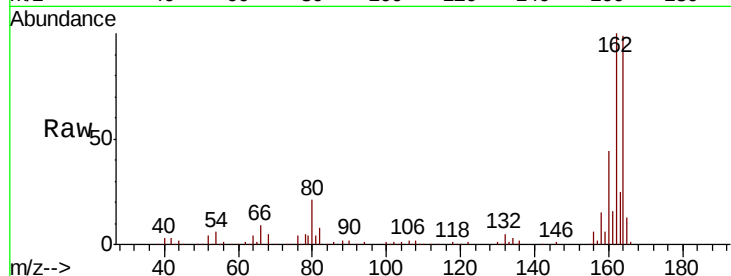




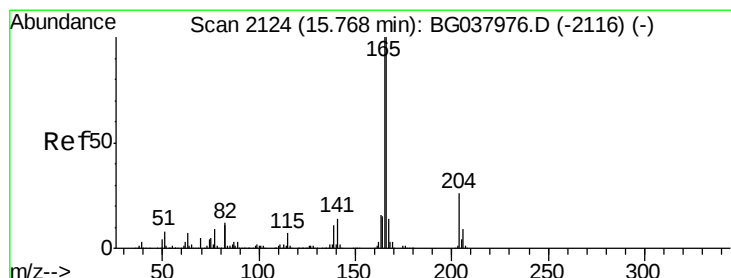
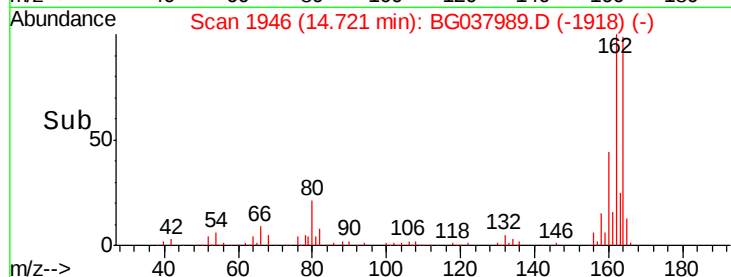
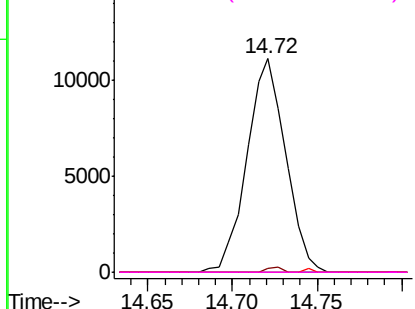
#57
2,4-Dinitrotoluene
Concen: 5.435 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.36 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Instrument :
BNA_G
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion:	165	Resp:	17630
Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#

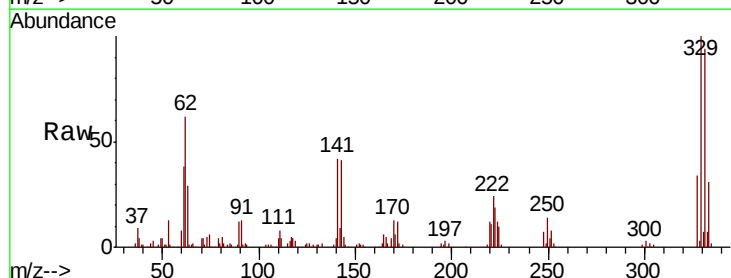


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

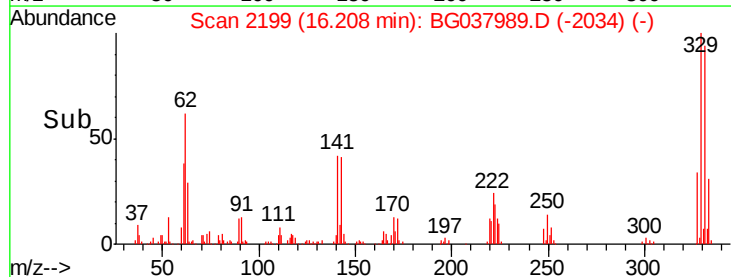
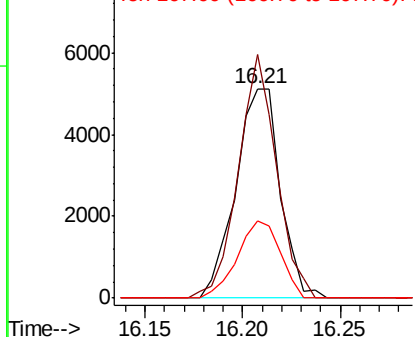


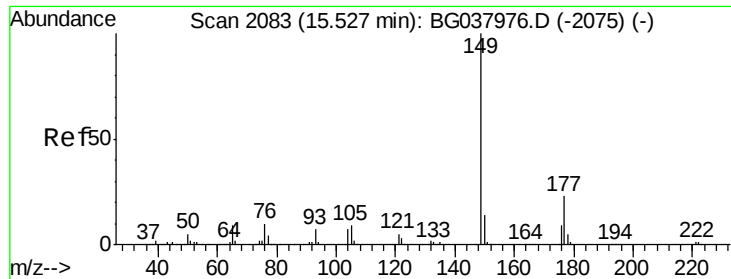
#58
Fluorene
Concen: 0.850 ng
RT: 16.21 min Scan# 2199
Delta R.T. 0.44 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Tgt Ion:	166	Resp:	8083
Ion	Ratio	Lower	Upper
166	100		
165	116.5	79.0	118.6
167	37.2	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

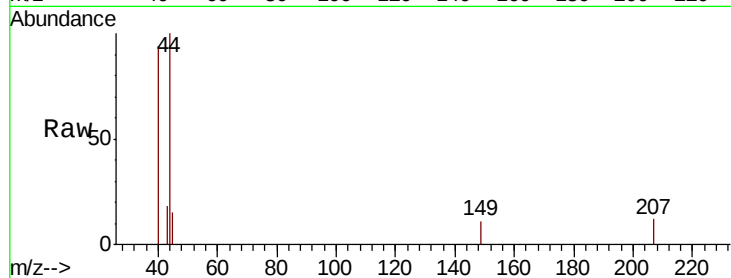




#60
Diethylphthalate
Concen: 0.005 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

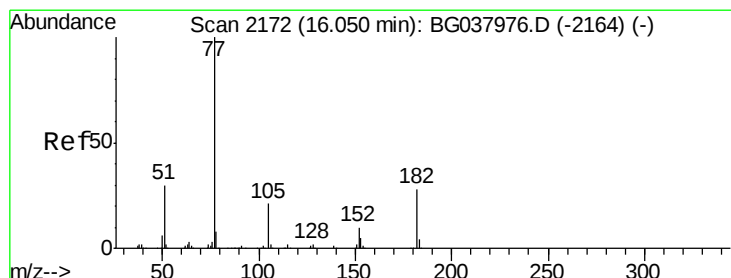
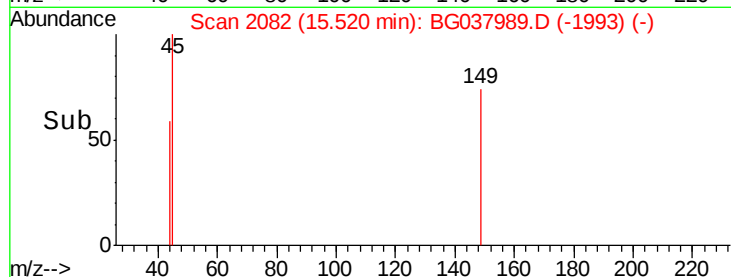
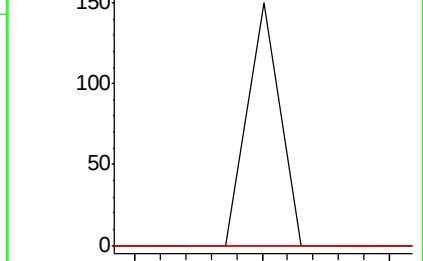
Instrument :
BNA_G
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	18.3	27.5#
150	0.0	10.0	15.0#



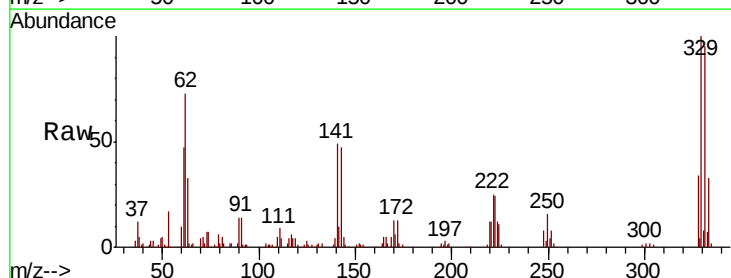
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

15.52



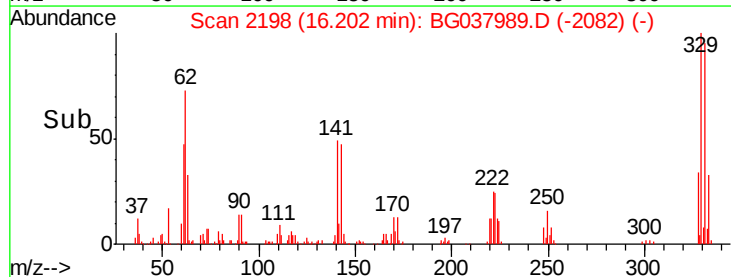
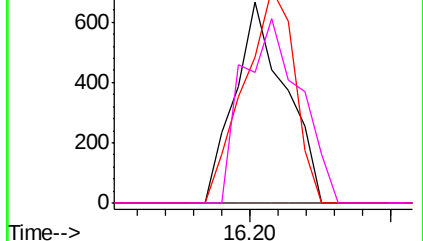
#63
Azobenzene
Concen: 0.083 ng
RT: 16.20 min Scan# 2198
Delta R.T. 0.15 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

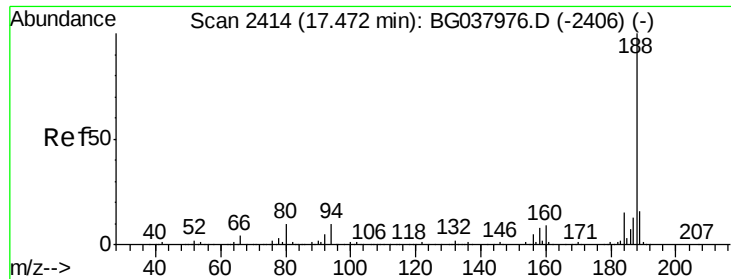
Tgt Ion	Ratio	Lower	Upper
77	100		
182	0.0	8.0	48.0#
105	72.6	1.3	41.3#
51	64.7	10.7	50.7#



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

16.20





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

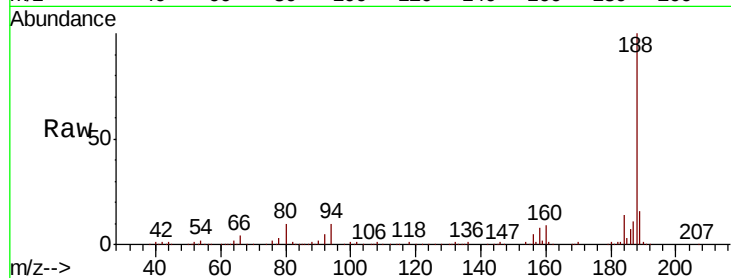
Tgt Ion:188 Resp: 321466

Ion Ratio Lower Upper

188 100

94 9.8 7.2 10.8

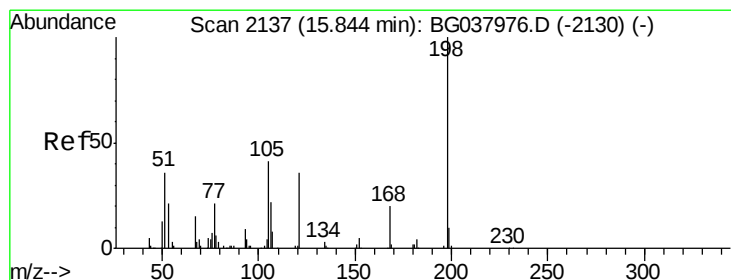
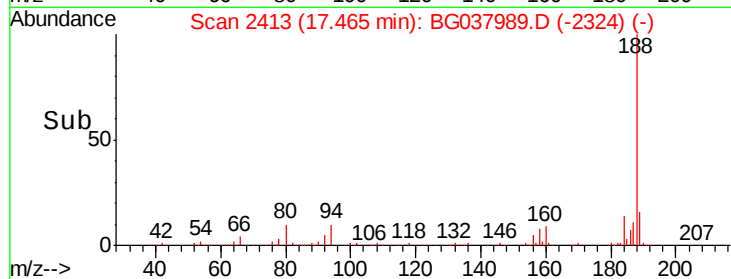
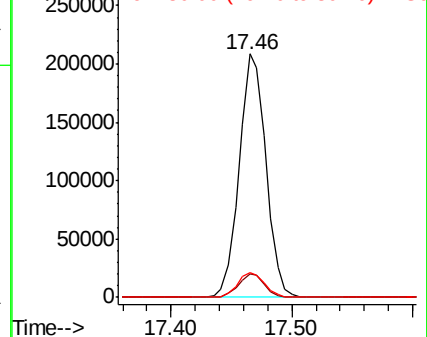
80 10.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 0.060 ng

RT: 16.19 min Scan# 2196

Delta R.T. 0.35 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

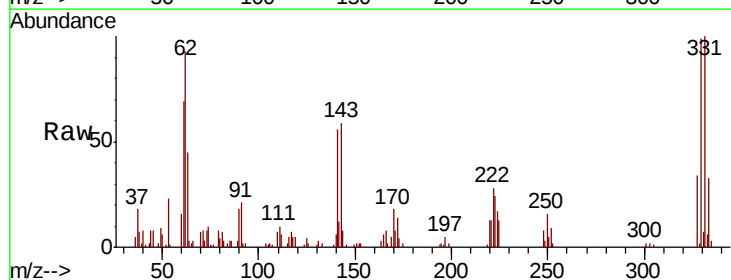
Tgt Ion:198 Resp: 121

Ion Ratio Lower Upper

198 100

51 0.0 22.7 62.7#

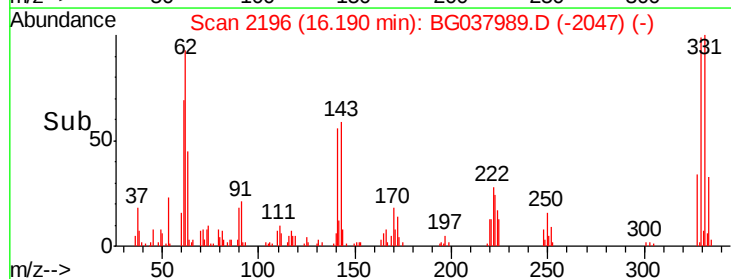
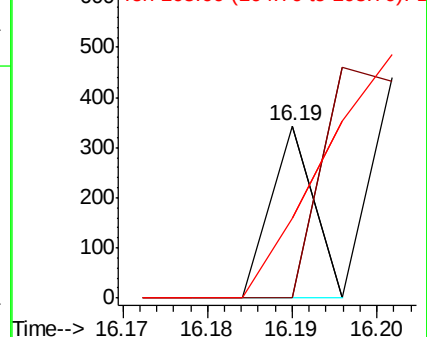
105 46.6 19.7 59.7

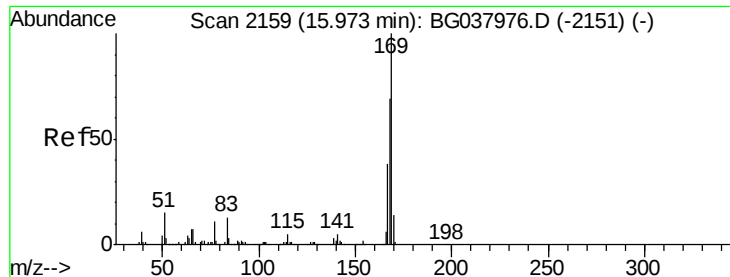


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

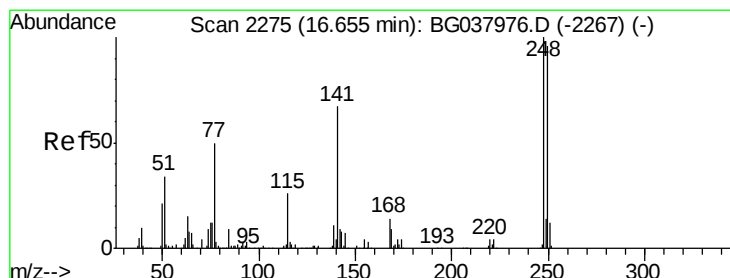
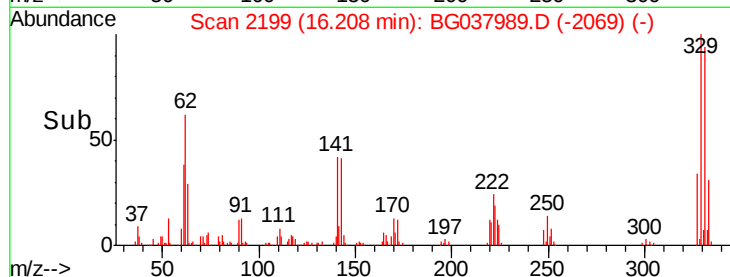
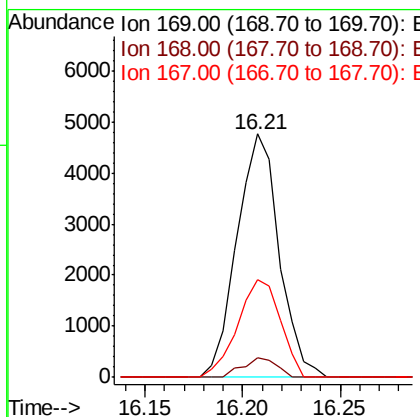
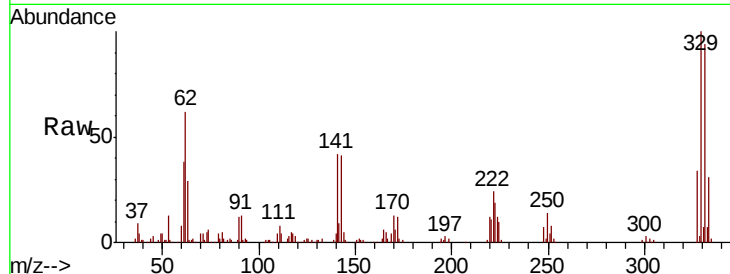




#66
 n-Nitrosodiphenylamine
 Concen: 0.731 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. 0.23 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

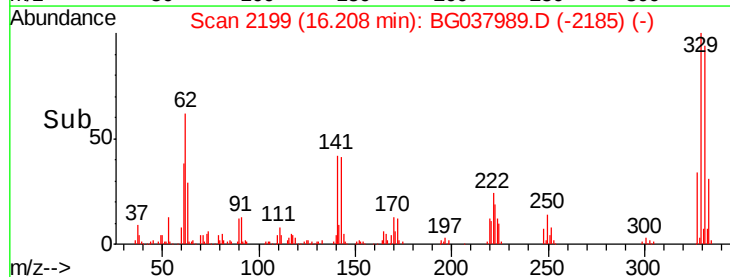
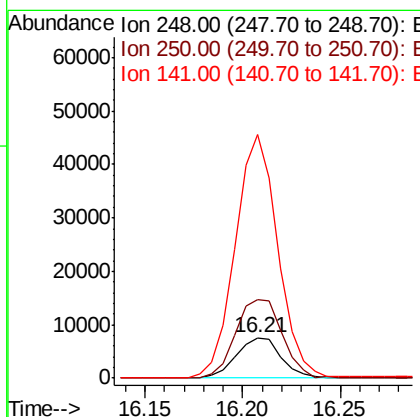
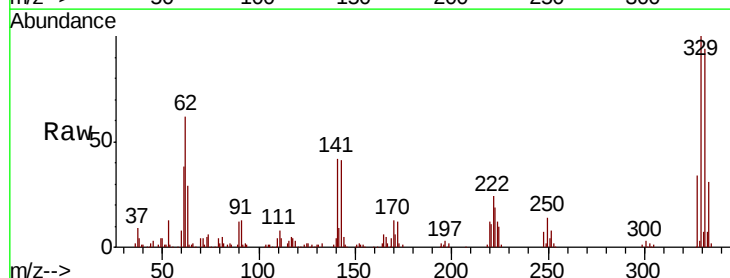
Instrument :
 BNA_G
 ClientSampleId :
 DOC-19-PRE-CHAR-COMPOSITE

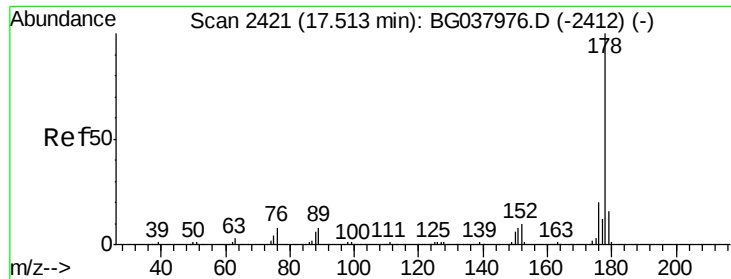
Tgt Ion:169 Resp: 7105
 Ion Ratio Lower Upper
 169 100
 168 8.2 55.7 83.5#
 167 39.9 31.3 46.9



#67
 4-Bromophenyl-phenylether
 Concen: 3.353 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.45 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

Tgt Ion:248 Resp: 11832
 Ion Ratio Lower Upper
 248 100
 250 189.3 77.0 115.6#
 141 449.0 55.5 83.3#

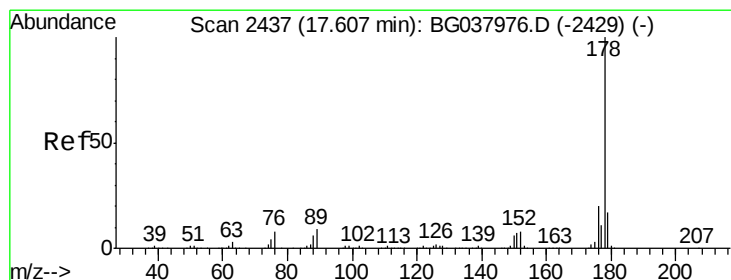
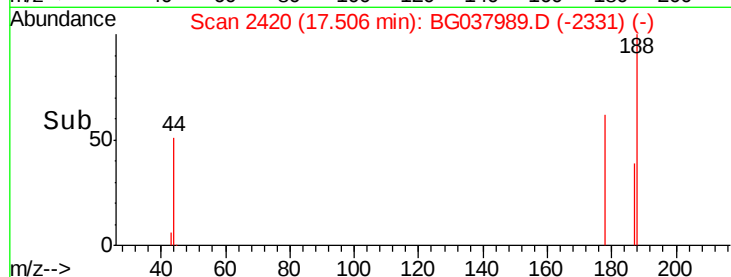
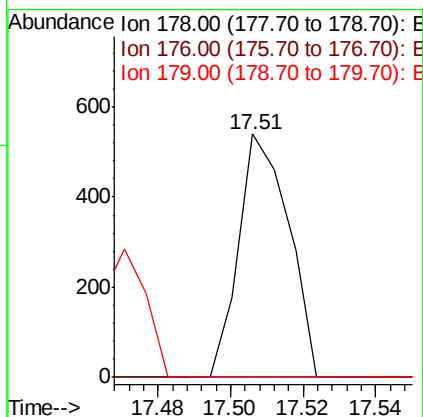
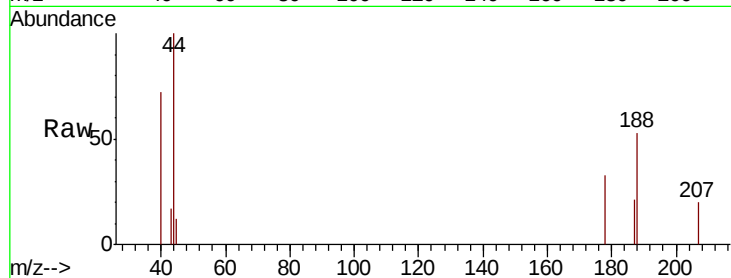




#71
 Phenanthrene
 Concen: 0.031 ng
 RT: 17.51 min Scan# 2420
 Delta R.T. -0.01 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

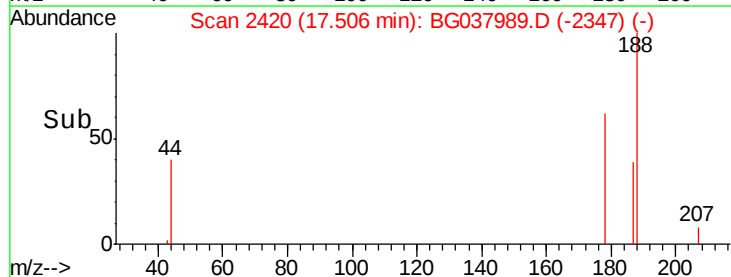
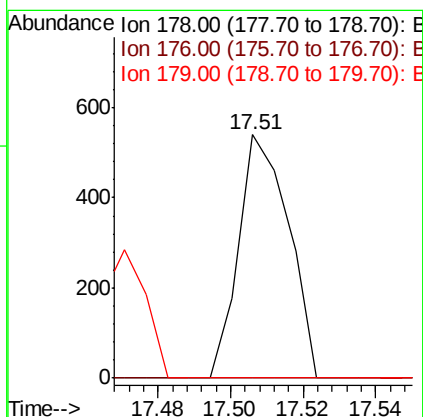
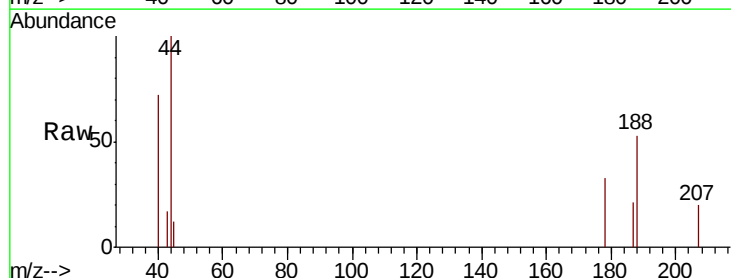
Instrument :
 BNA_G
 ClientSampleId :
 DOC-19-PRE-CHAR-COMPOSITE

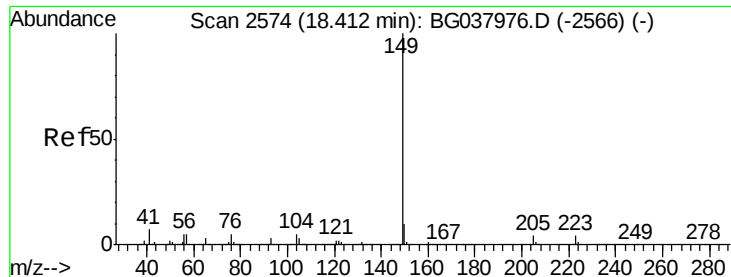
Tgt Ion:178 Resp: 514
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.1 24.1#
 179 0.0 13.0 19.4#



#72
 Anthracene
 Concen: 0.032 ng
 RT: 17.51 min Scan# 2420
 Delta R.T. -0.10 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

Tgt Ion:178 Resp: 514
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.0 22.4#
 179 0.0 12.8 19.2#





#74

Di-n-butylphthalate

Concen: 0.033 ng

RT: 18.41 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

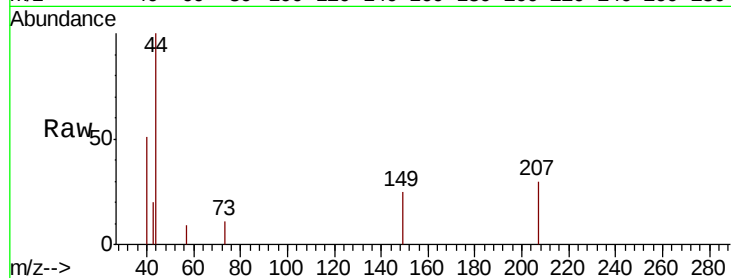
Tgt Ion:149 Resp: 605

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 0.0 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

18.41

400

300

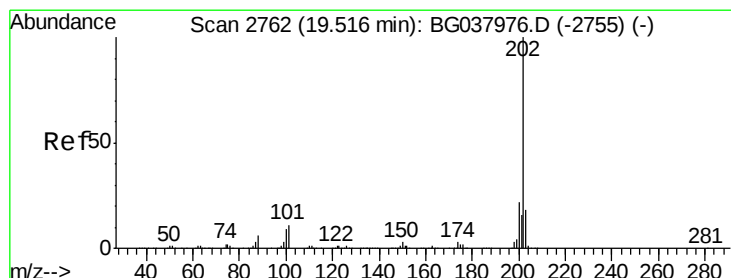
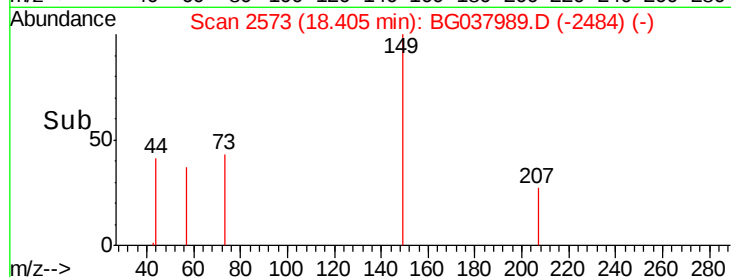
200

100

0

18.40

Time-->



#75

Fluoranthene

Concen: 0.005 ng

RT: 19.52 min Scan# 2763

Delta R.T. 0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

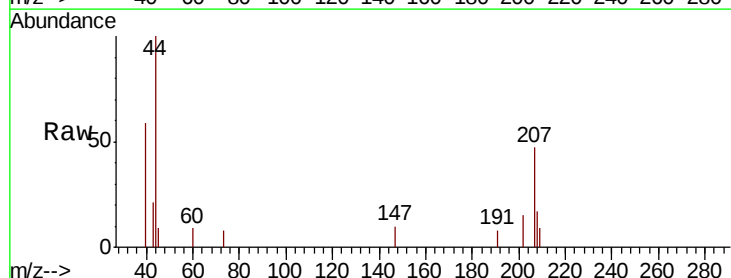
Tgt Ion:202 Resp: 101

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.7

203 0.0 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

19.52

400

300

200

100

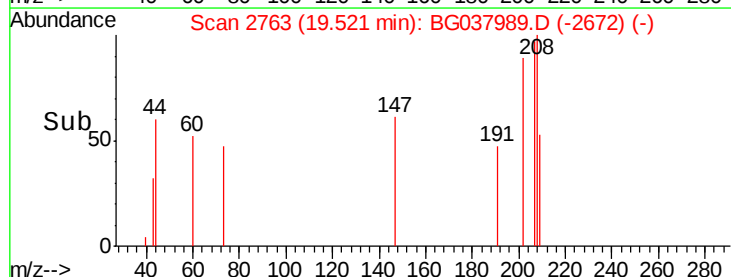
0

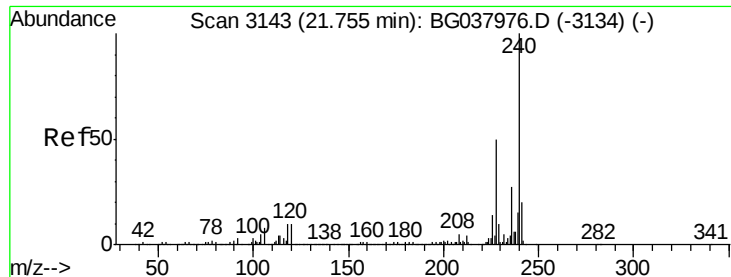
19.50

19.52

19.54

Time-->

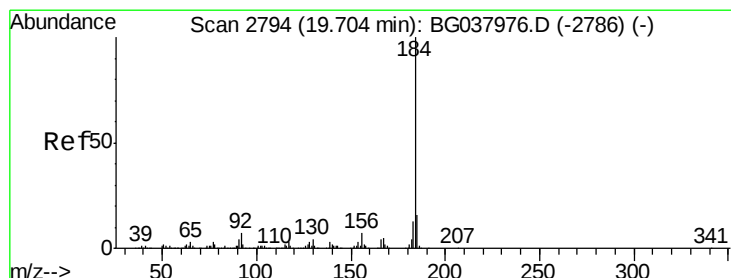
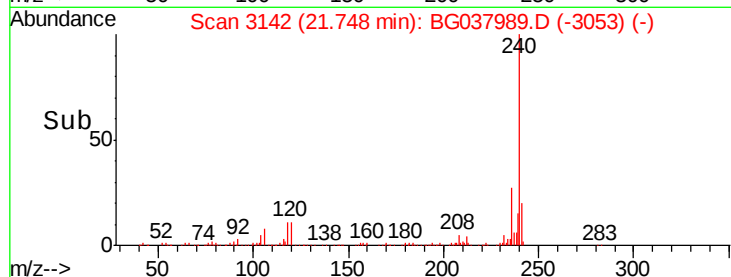
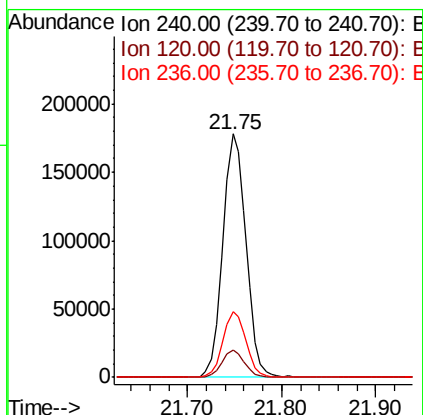
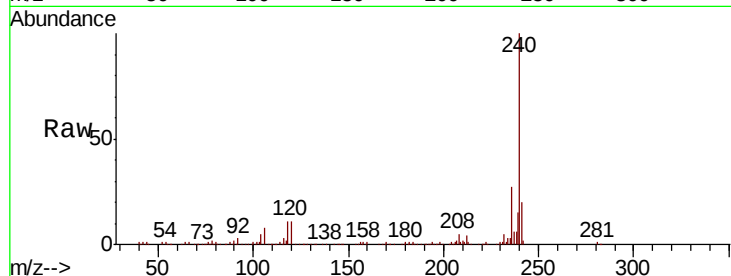




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

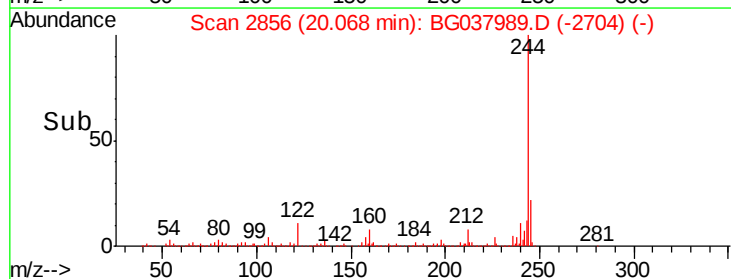
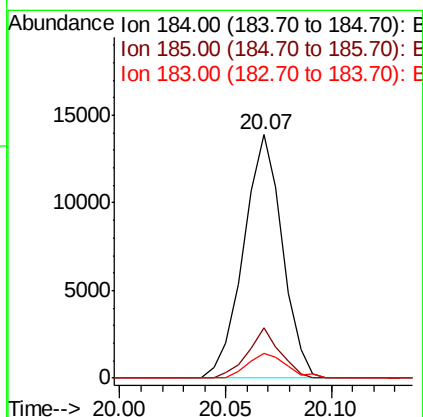
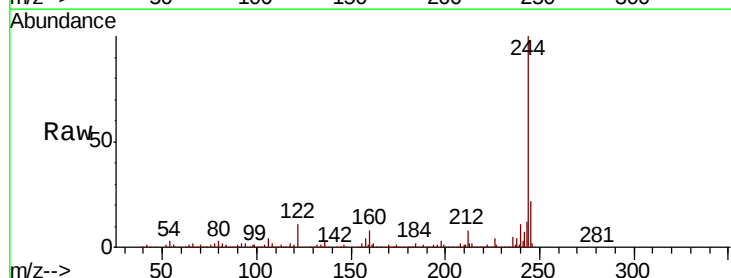
Instrument :
BNA_G
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

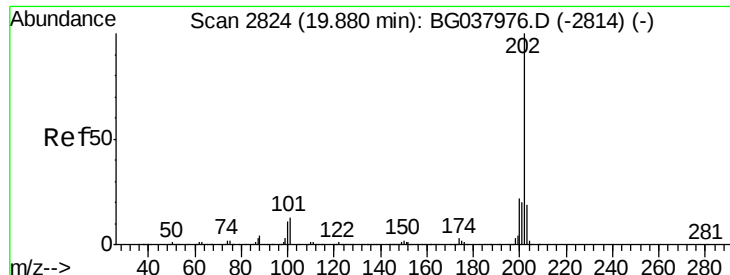
Tgt Ion:240 Resp: 305706
Ion Ratio Lower Upper
240 100
120 11.1 8.1 12.1
236 26.8 21.4 32.0



#77
Benzidine
Concen: 1.652 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.36 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Tgt Ion:184 Resp: 17721
Ion Ratio Lower Upper
184 100
185 20.7 12.6 18.8#
183 10.2 10.2 15.2

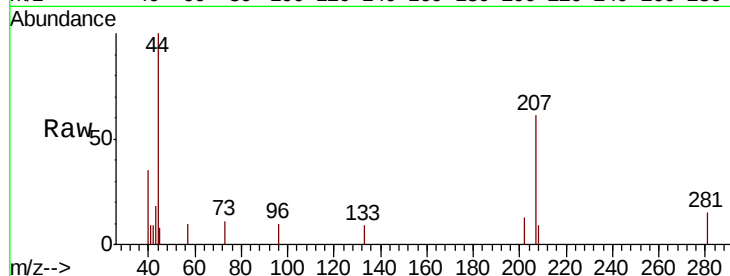




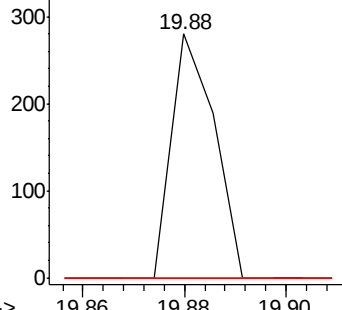
#78
 Pyrene
 Concen: 0.008 ng
 RT: 19.88 min Scan# 2824
 Delta R.T. -0.00 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

Instrument :
 BNA_G
 ClientSampleId :
 DOC-19-PRE-CHAR-COMPOSITE

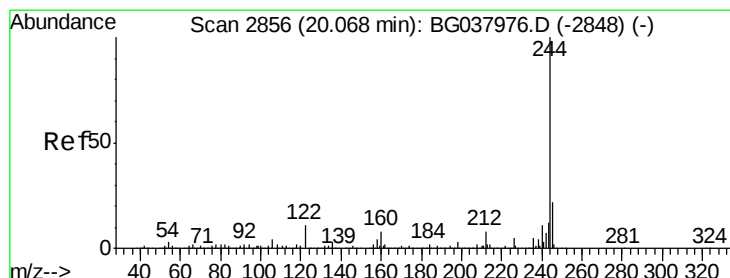
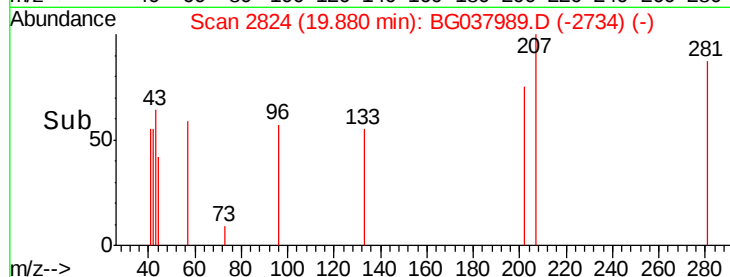
Tgt Ion	Ratio	Lower	Upper
202	100		
200	0.0	17.8	26.6#
203	0.0	15.2	22.8#



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

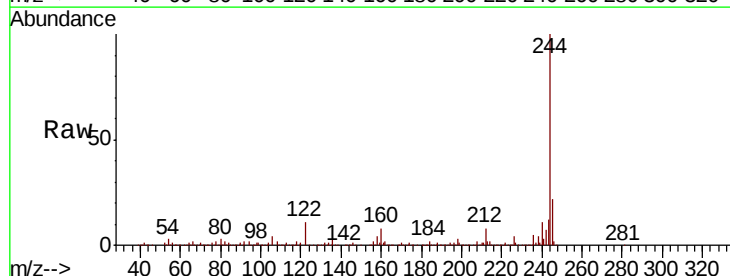


Time-->

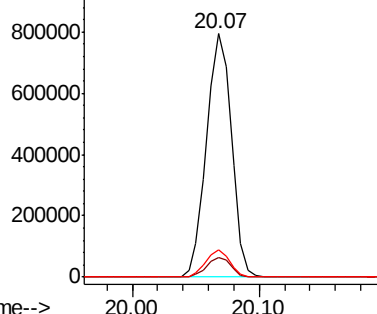


#79
 Terphenyl-d14
 Concen: 83.221 ng
 RT: 20.07 min Scan# 2856
 Delta R.T. -0.00 min
 Lab File: BG037989.D
 Acq: 13 Nov 2018 22:35

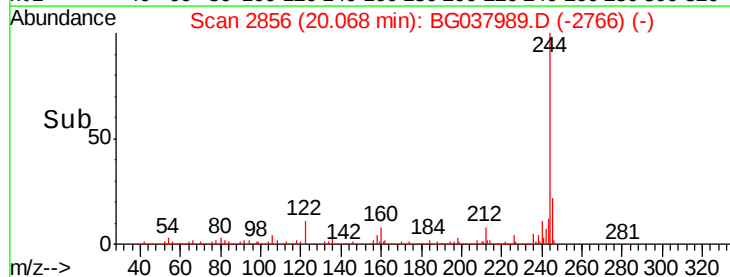
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	11.0	9.0	13.4

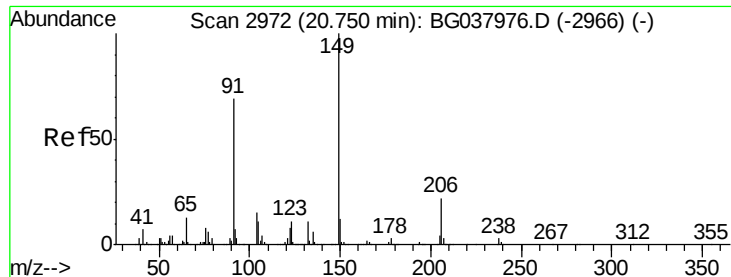


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time-->

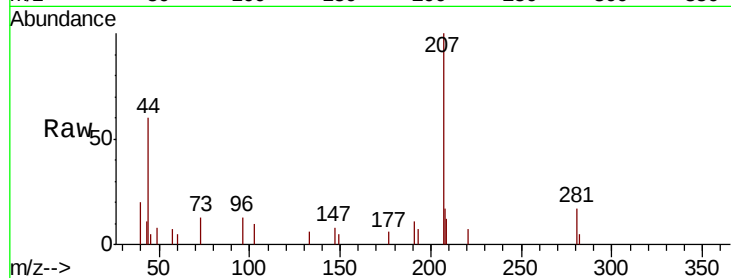




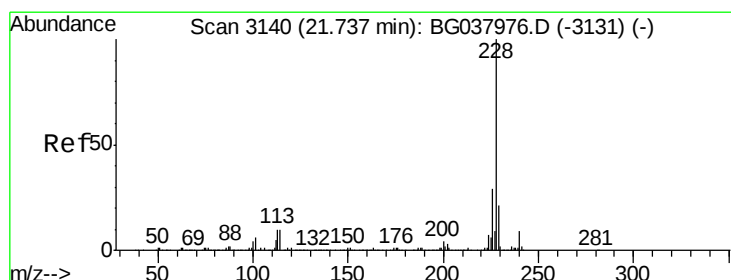
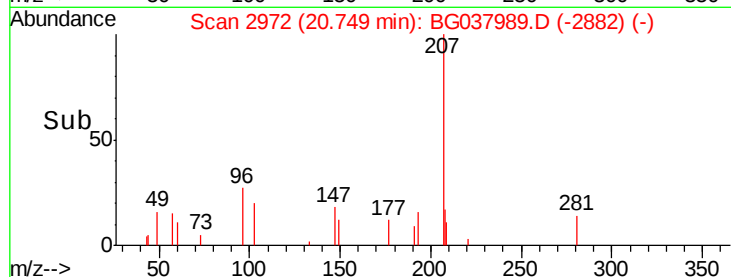
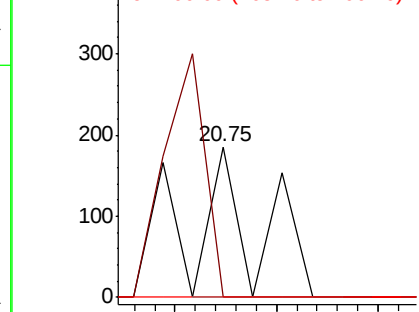
#80
Butylbenzylphthalate
Concen: 0.014 ng
RT: 20.75 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Instrument :
BNA_G
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion:149 Resp: 119
Ion Ratio Lower Upper
149 100
91 0.0 57.0 85.4#
206 0.0 17.8 26.6#

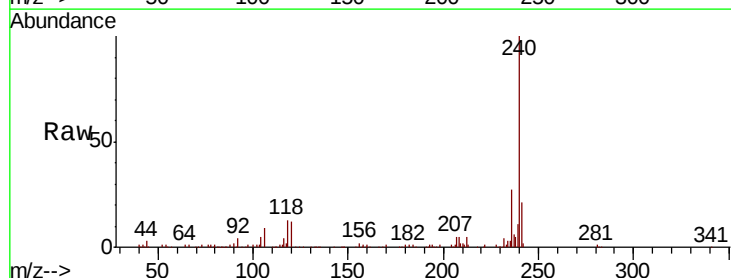


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG0
Ion 206.00 (205.70 to 206.70): E

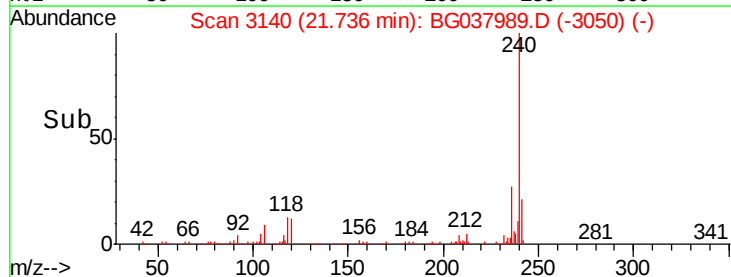
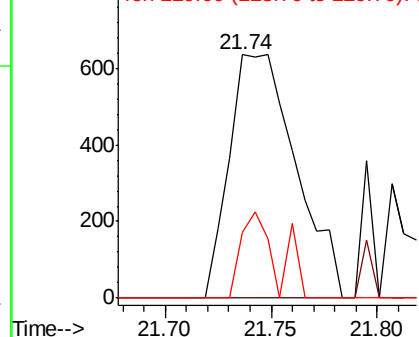


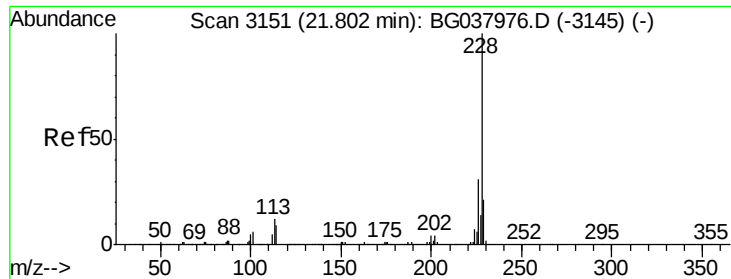
#81
Benzo(a)anthracene
Concen: 0.075 ng
RT: 21.74 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Tgt Ion:228 Resp: 1392
Ion Ratio Lower Upper
228 100
226 0.0 22.6 33.8#
229 26.9 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





#83

Chrysene

Concen: 0.007 ng

RT: 21.80 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

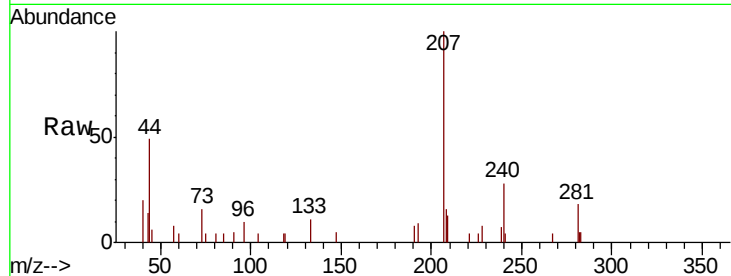
Tgt Ion:228 Resp: 127

Ion Ratio Lower Upper

228 100

226 42.1 25.7 38.5#

229 0.0 16.5 24.7#

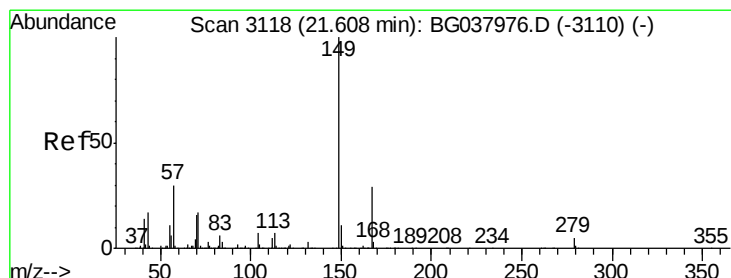
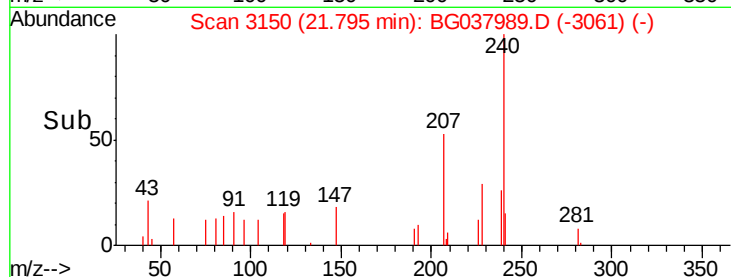
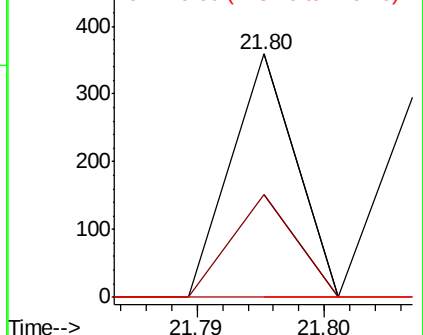


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.119 ng

RT: 21.60 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

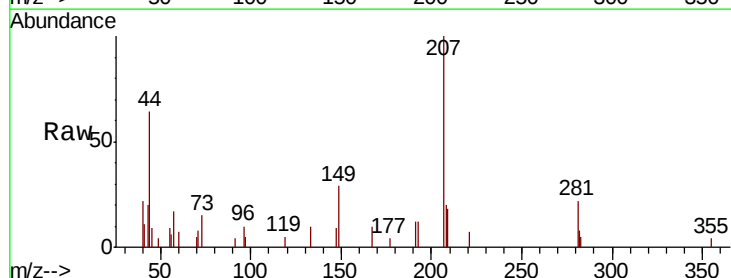
Tgt Ion:149 Resp: 1484

Ion Ratio Lower Upper

149 100

167 33.3 23.0 34.4

279 0.0 3.6 5.4#

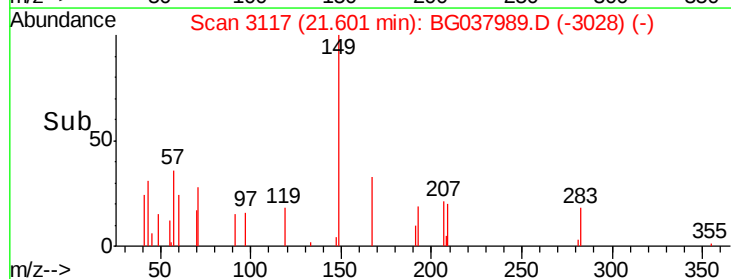
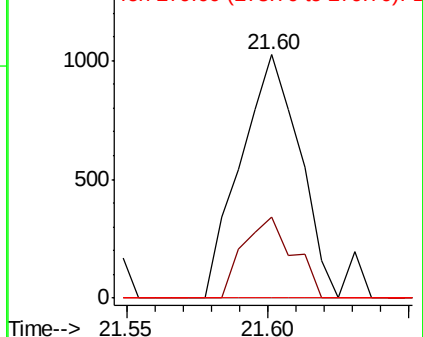


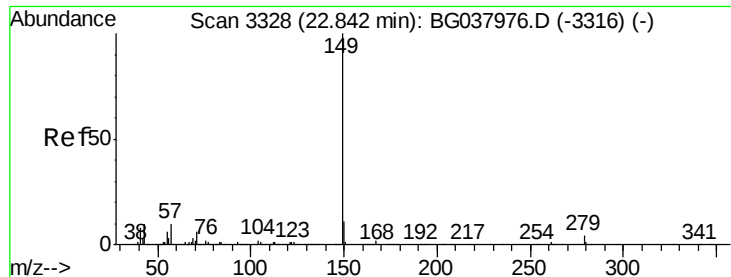
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.008 ng

RT: 22.83 min Scan# 3326

Delta R.T. -0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

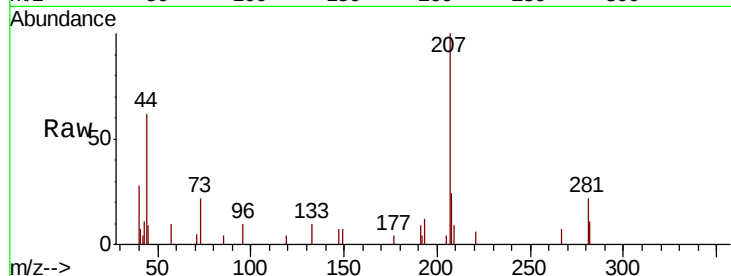
Tgt Ion:149 Resp: 158

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 225.9 8.7 13.1#

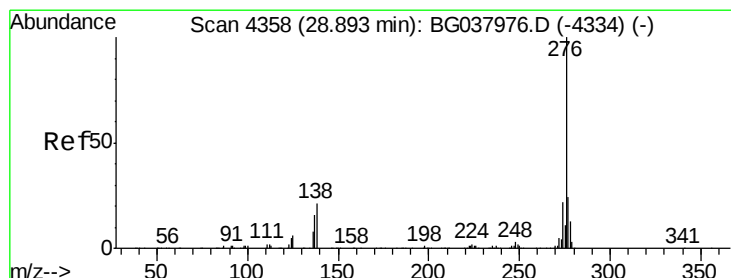
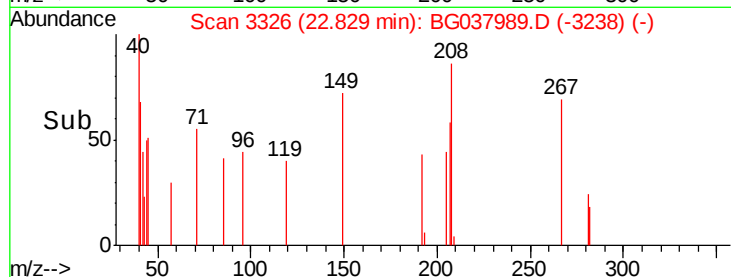
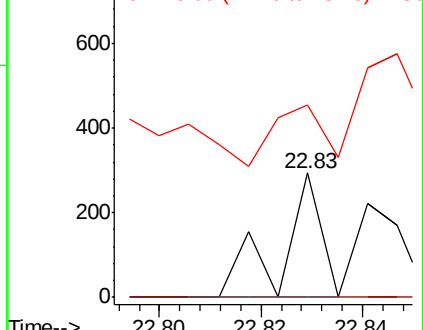


Abundance

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): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.003 ng

RT: 28.85 min Scan# 4351

Delta R.T. -0.04 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

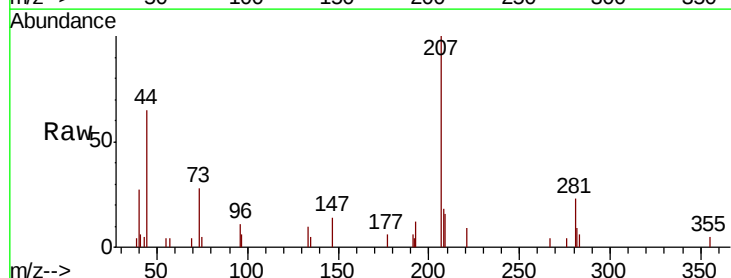
Tgt Ion:276 Resp: 54

Ion Ratio Lower Upper

276 100

138 0.0 12.0 18.0#

277 0.0 20.6 30.8#

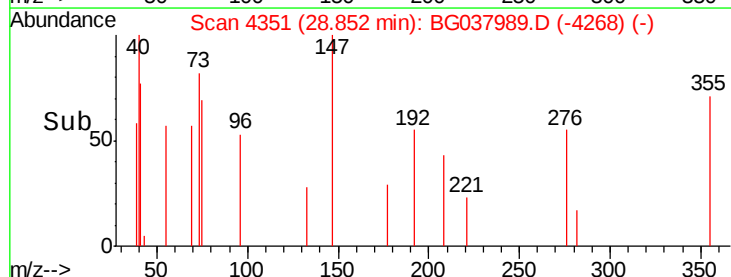
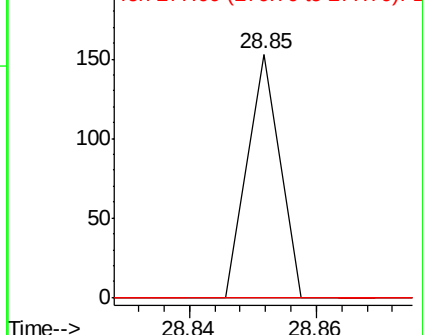


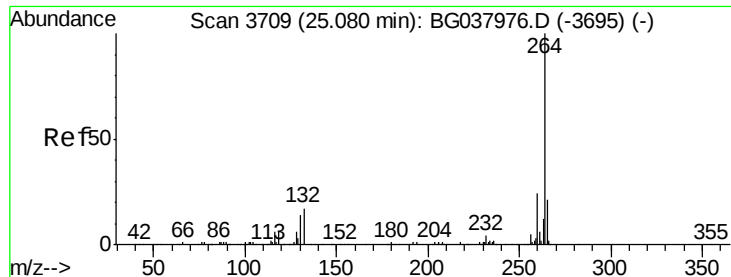
Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3708

Delta R.T. -0.01 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

Instrument :

BNA_G

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

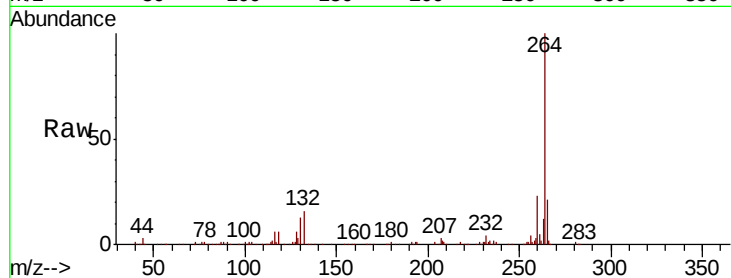
Tgt Ion:264 Resp: 315208

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

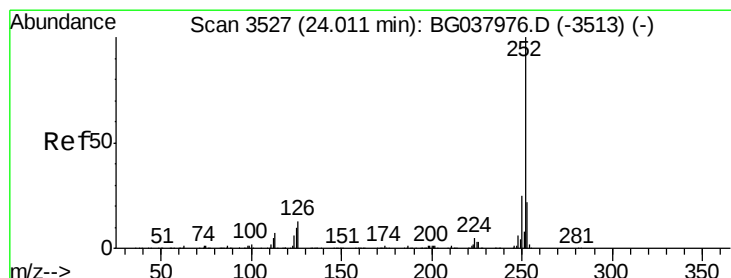
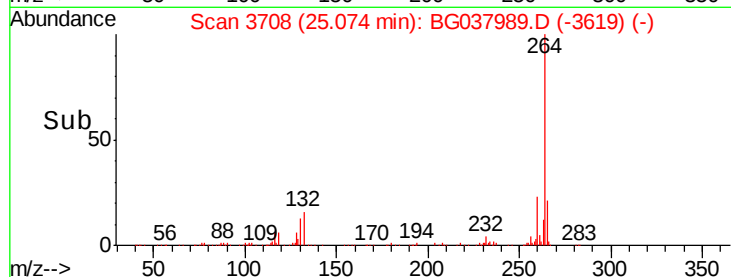
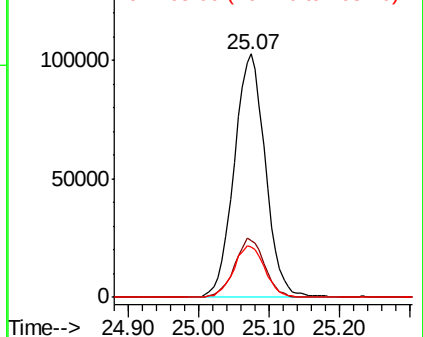
265 20.8 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 0.007 ng

RT: 24.01 min Scan# 3527

Delta R.T. -0.00 min

Lab File: BG037989.D

Acq: 13 Nov 2018 22:35

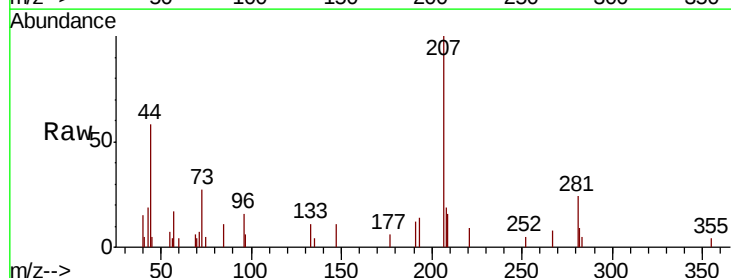
Tgt Ion:252 Resp: 122

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.2#

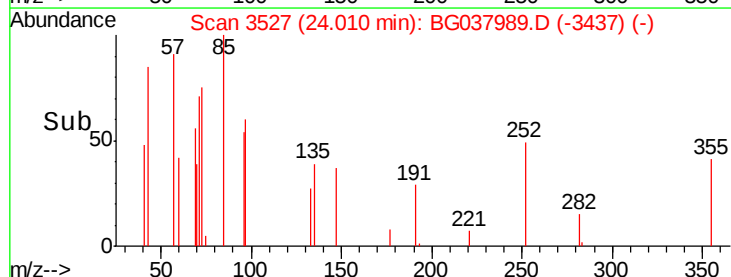
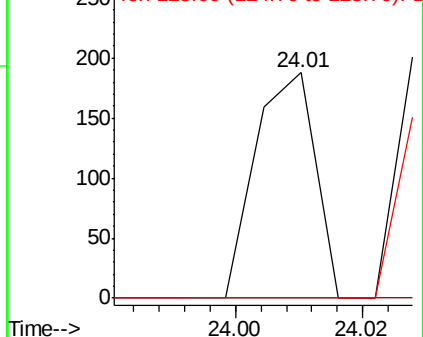
125 0.0 7.8 11.6#

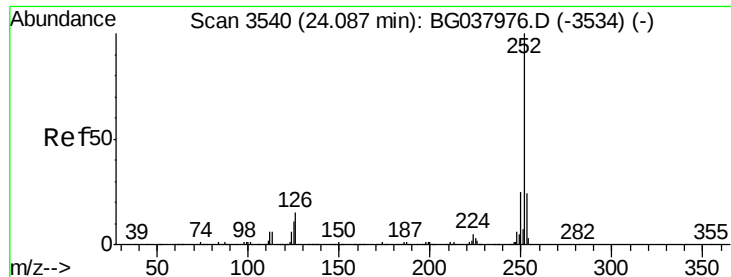


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

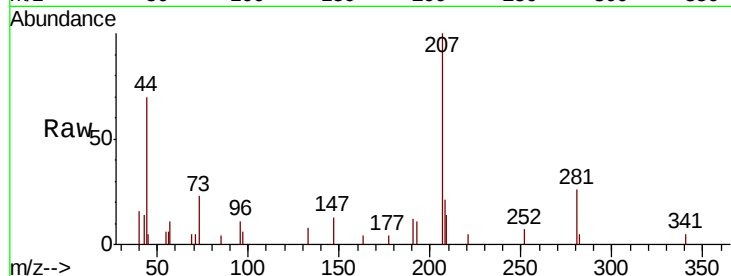




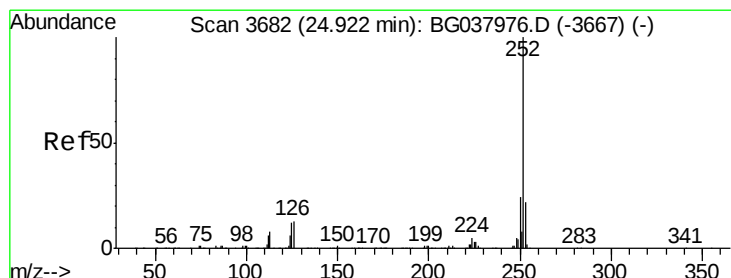
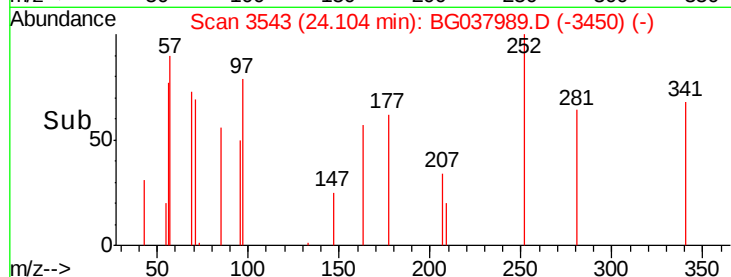
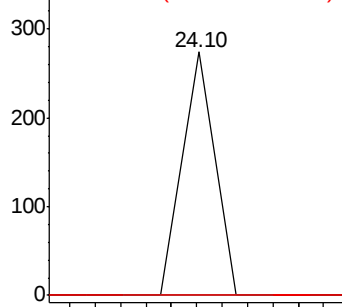
#89
Benzo(k)fluoranthene
Concen: 0.006 ng
RT: 24.10 min Scan# 3543
Delta R.T. 0.02 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Instrument :
BNA_G
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

Tgt Ion: 252 Resp: 97
Ion Ratio Lower Upper
252 100
253 0.0 17.4 26.2#
125 0.0 7.4 11.0#

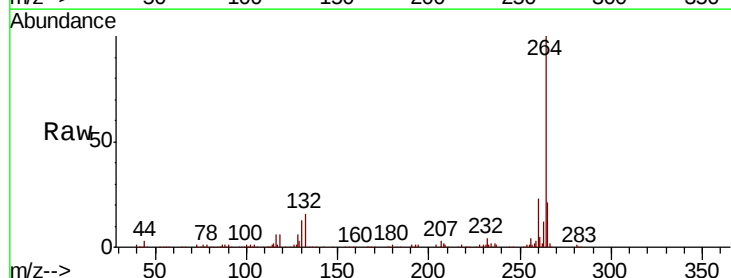


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 0.068 ng
RT: 25.07 min Scan# 3708
Delta R.T. 0.15 min
Lab File: BG037989.D
Acq: 13 Nov 2018 22:35

Tgt Ion: 252 Resp: 1134
Ion Ratio Lower Upper
252 100
253 51.5 17.4 26.2#
125 0.0 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

