

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042343.D
 Acq On : 20 Aug 2019 1:38
 Operator : HP/JU
 Sample : K4266-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:27:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	62964	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	247877	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	180536	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	407673	20.00	ng	0.00
76) Chrysene-d12	21.69	240	419800	20.00	ng	0.00
87) Perylene-d12	24.93	264	499147	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	271739	87.44	ng	0.00
7) Phenol-d6	7.17	99	379363	89.88	ng	0.00
23) Nitrobenzene-d5	9.17	82	205607	58.34	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	198077	80.56	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	609869	57.16	ng	0.00
79) Terphenyl-d14	20.03	244	1054454	55.02	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	608	0.454	ng	# 52
4) n-Nitrosodimethylamine	3.75	42	119	0.101	ng	# 1
6) Aniline	7.54	93	305	0.055	ng	# 1
9) Benzaldehyde	7.17	77	574	0.242	ng	# 1
10) Phenol	7.19	94	4121	0.960	ng	# 27
11) bis(2-Chloroethyl)ether	7.54	93	305	0.090	ng	# 1
15) Benzyl Alcohol	8.33	79	3234	1.114	ng	# 38
19) n-Nitroso-di-n-propylamine	9.17	70	25633	9.442	ng	# 73
24) Nitrobenzene	9.16	77	552	0.154	ng	# 33
25) Isophorone	9.50	82	134	0.019	ng	# 59
46) 1,1'-Biphenyl	13.50	154	743	0.063	ng	# 80
48) 2-Nitroaniline	14.11	65	882	0.372	ng	# 1
50) Dimethylphthalate	14.11	163	154513	12.045	ng	# 100
51) 2,6-Dinitrotoluene	14.11	165	1686	0.562	ng	# 18
52) Acenaphthene	14.67	154	610	0.066	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	23356	5.564	ng	# 36
58) Fluorene	16.15	166	7595	0.622	ng	# 90
60) Diethylphthalate	15.49	149	170	0.014	ng	# 55
63) Azobenzene	16.15	77	658	0.076	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.15	198	85	0.034	ng	# 1
66) n-Nitrosodiphenylamine	16.15	169	5558	0.487	ng	# 47
67) 4-Bromophenyl-phenylether	16.15	248	13678	2.636	ng	# 1
71) Phenanthrene	17.46	178	335	0.016	ng	# 58
72) Anthracene	17.46	178	335	0.017	ng	# 59
74) Di-n-butylphthalate	18.38	149	1426	0.068	ng	# 76
75) Fluoranthene	19.47	202	1206	0.049	ng	# 70
77) Benzidine	20.03	184	13073	1.175	ng	# 91
78) Pyrene	19.83	202	1061	0.041	ng	# 61
80) Butylbenzylphthalate	20.71	149	896	0.088	ng	# 53
81) Benzo(a)anthracene	21.68	228	1892	0.073	ng	# 69
83) Chrysene	21.74	228	716	0.029	ng	# 47
84) Bis(2-ethylhexyl)phthalate	21.58	149	1928	0.135	ng	# 95
85) Di-n-octyl phthalate	22.79	149	784	0.032	ng	# 1
86) Indeno(1,2,3-cd)pyrene	28.63	276	149	0.005	ng	# 53

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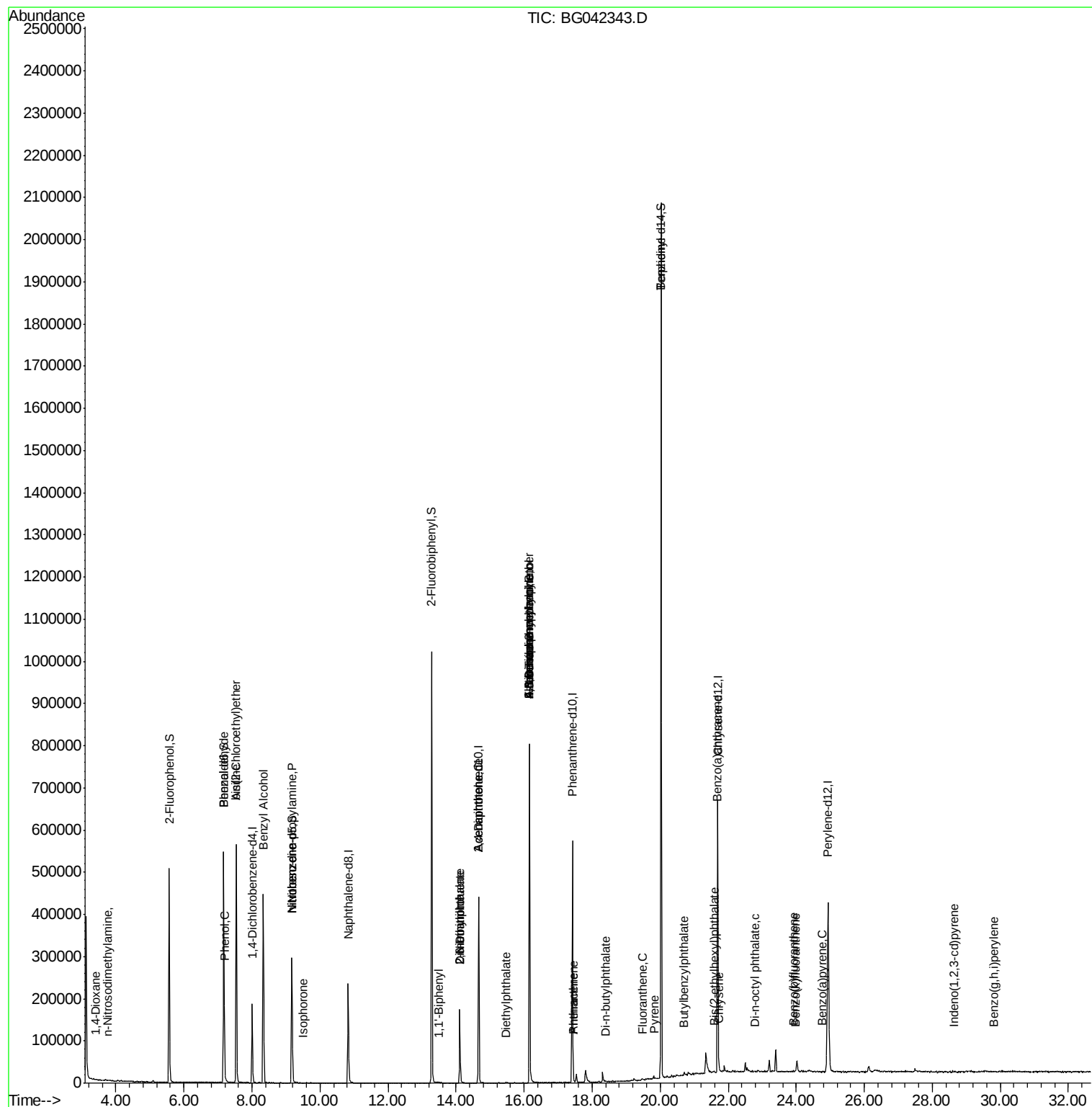
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	23.92	252	1333	0.049	ng	# 77
89) Benzo(k)fluoranthene	23.97	252	105	0.004	ng	# 56
90) Benzo(a)pyrene	24.77	252	562	0.021	ng	# 60
92) Benzo(g,h,i)perylene	29.82	276	116	0.004	ng	# 55

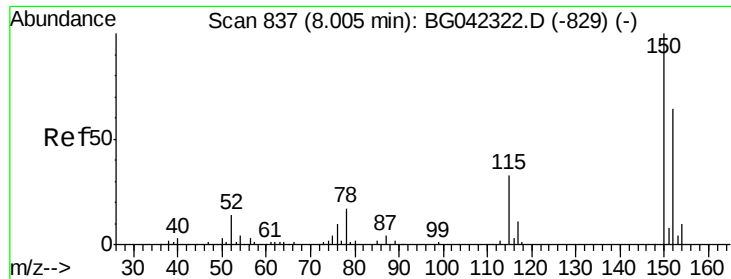
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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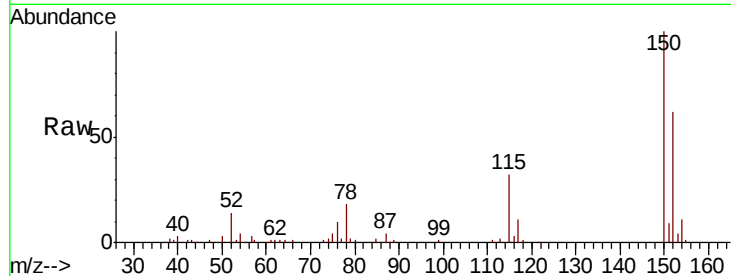


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.3	186.5
115	51.3	40.5	60.7

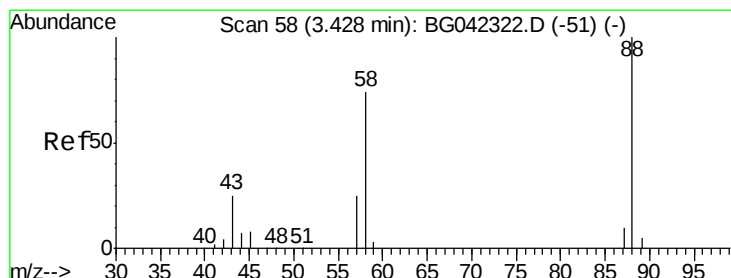
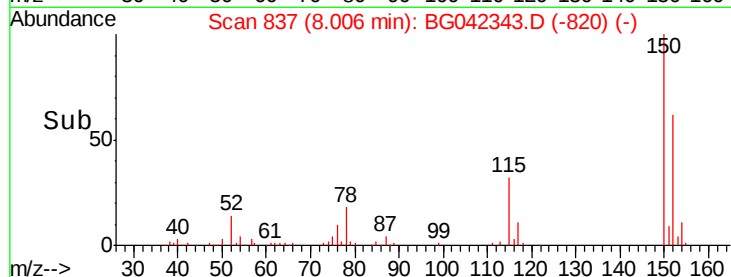
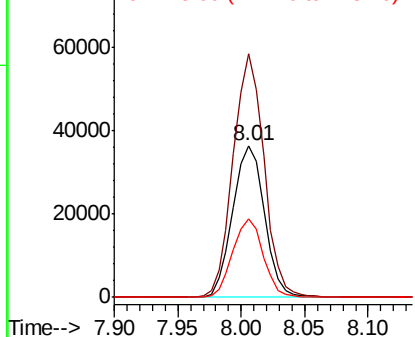


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

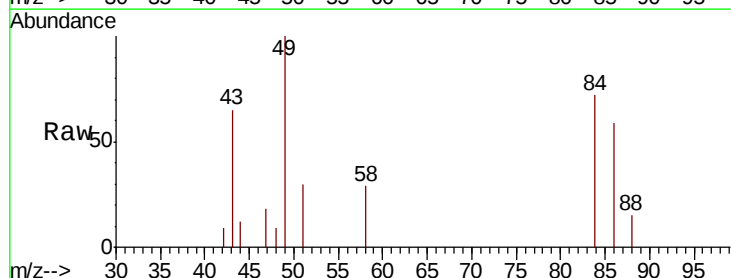
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.454 ng
RT: 3.41 min Scan# 54
Delta R.T. -0.02 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	33.7	58.6	88.0#
43	0.0	19.4	29.0#

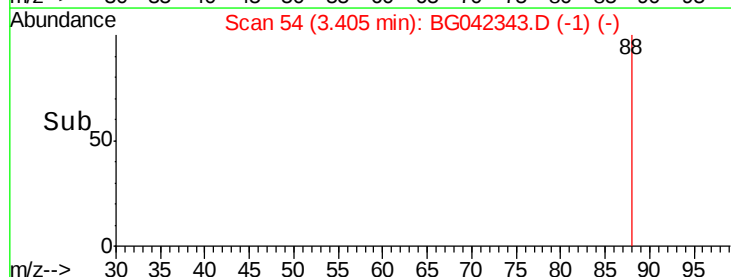
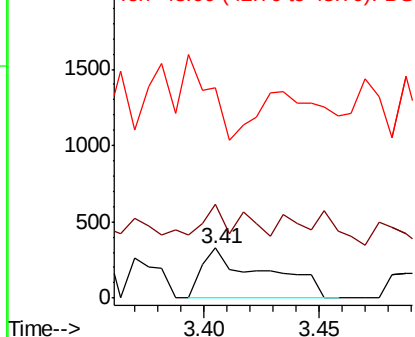


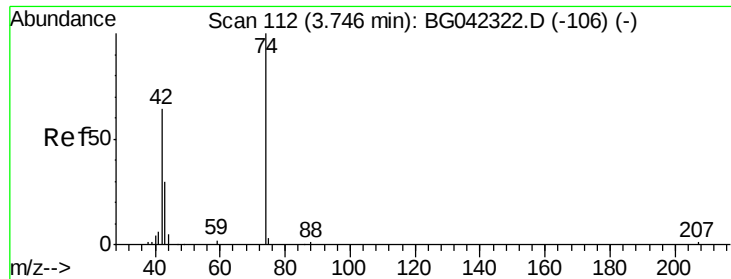
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC



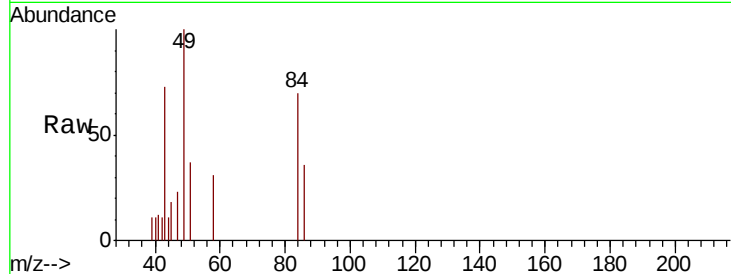


#4

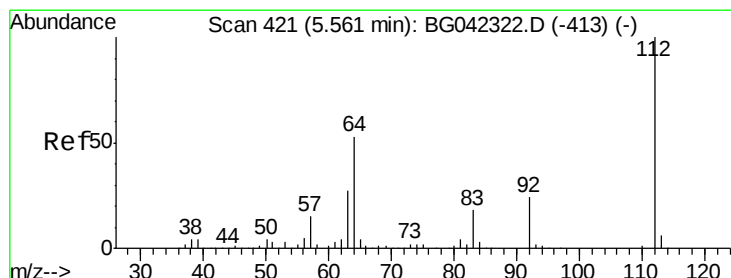
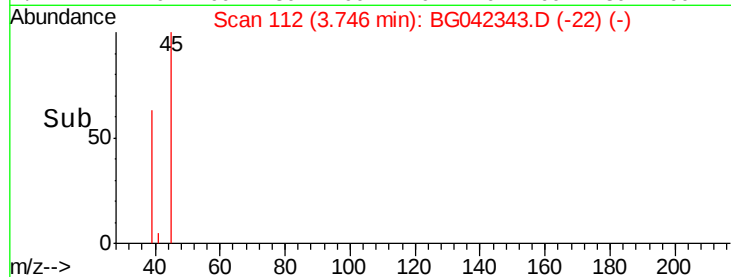
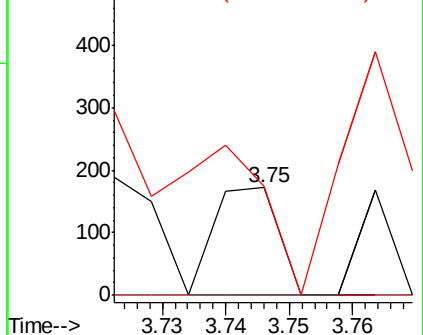
n-Nitrosodimethylamine
 Concen: 0.101 ng
 RT: 3.75 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 42 Resp: 119
 Ion Ratio Lower Upper
 42 100
 74 0.0 124.2 186.2#
 44 101.7 6.5 9.7#



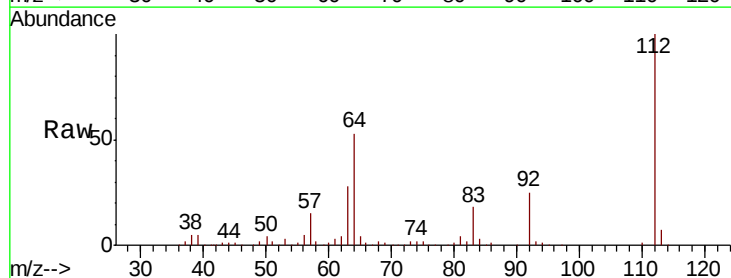
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



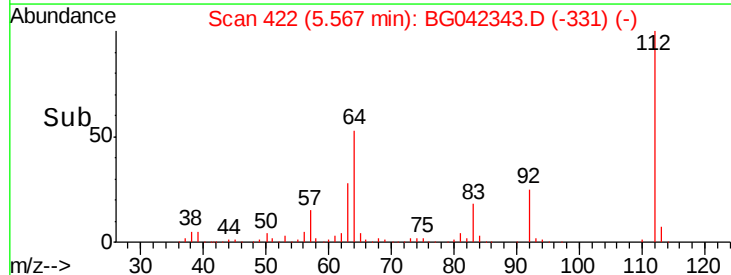
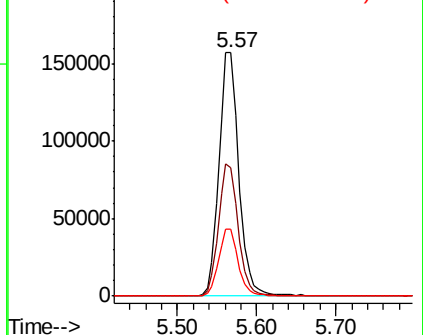
#5

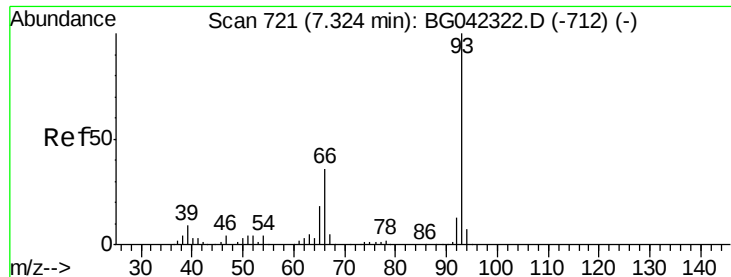
2-Fluorophenol
 Concen: 87.442 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Tgt Ion: 112 Resp: 271739
 Ion Ratio Lower Upper
 112 100
 64 53.0 42.5 63.7
 63 27.7 21.7 32.5



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: 0.055 ng

RT: 7.54 min Scan# 757

Delta R.T. 0.21 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampled :

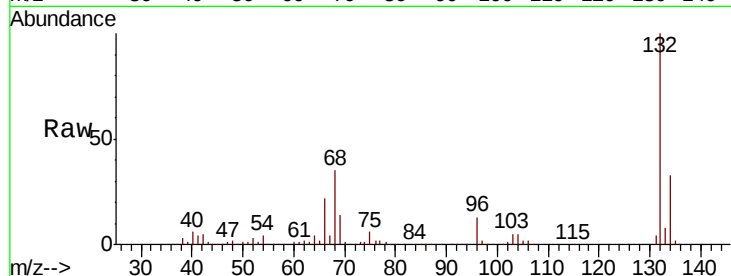
Tot Ion: 93 Resp: 305

Ion Ratio Lower Upper

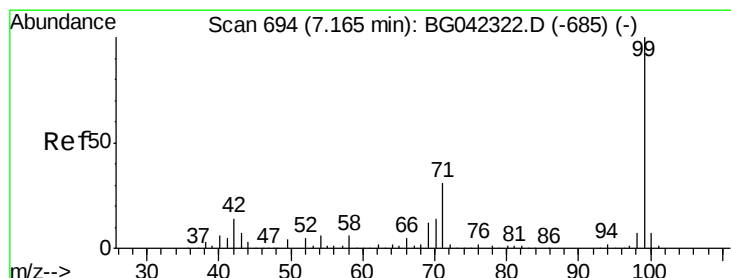
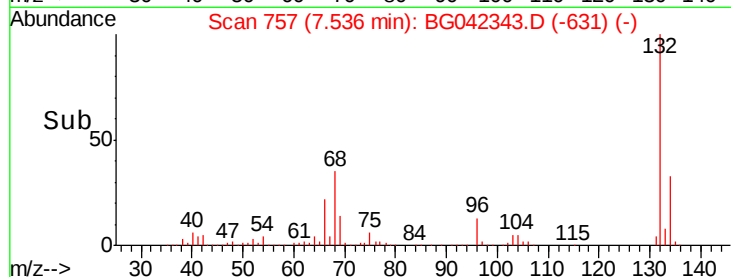
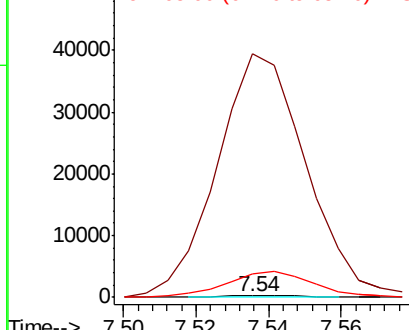
93 100

66 15053.4 29.1 43.7#

65 1437.0 14.7 22.1#



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: 89.884 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

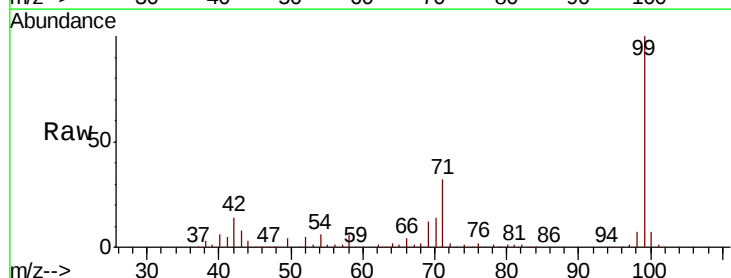
Tgt Ion: 99 Resp: 379363

Ion Ratio Lower Upper

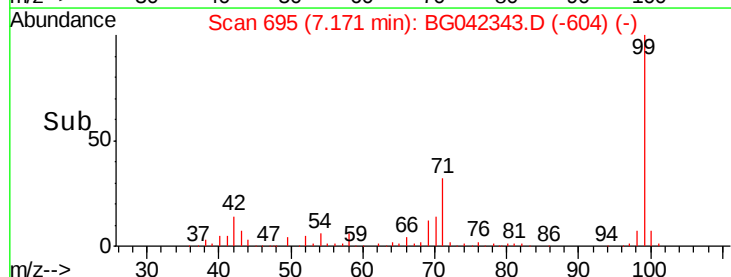
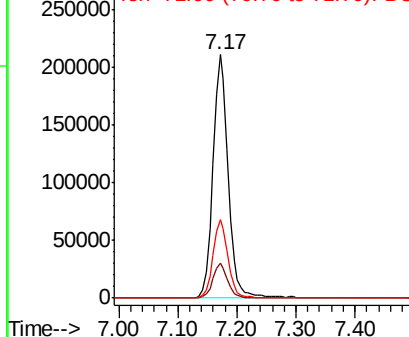
99 100

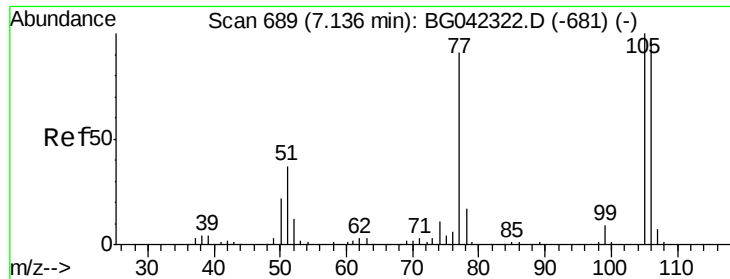
42 14.5 11.4 17.0

71 32.4 25.1 37.7



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

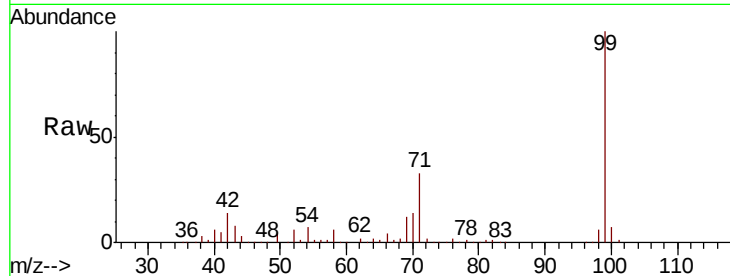




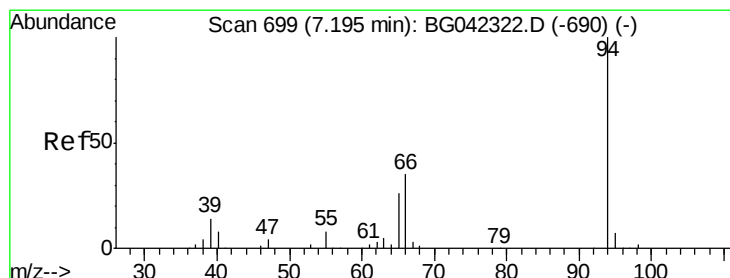
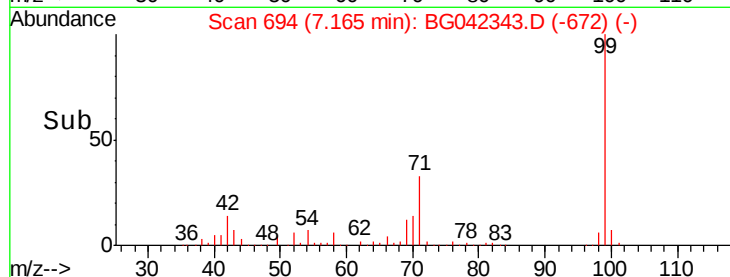
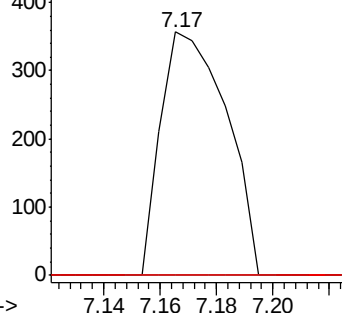
#9
Benzaldehydve
Concen: 0.242 ng
RT: 7.17 min Scan# 694
Delta R.T. 0.03 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 574
Ion Ratio Lower Upper
77 100
105 0.0 89.8 129.8#
106 0.0 85.1 125.1#

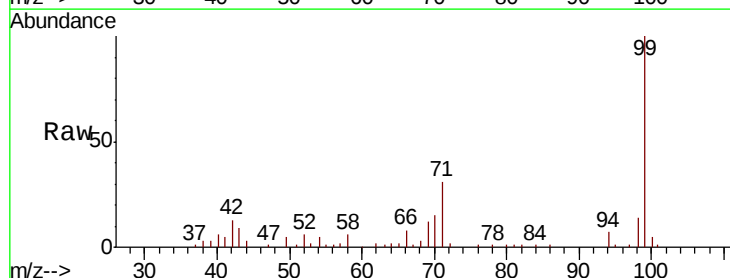


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

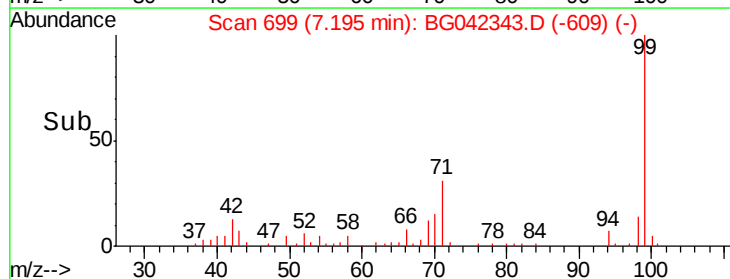
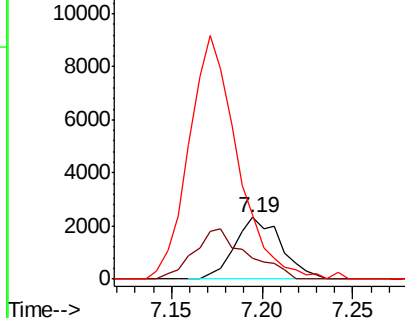


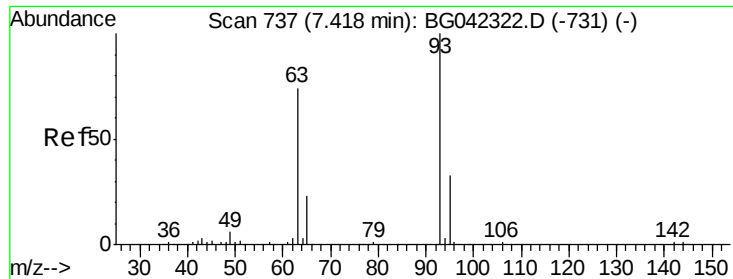
#10
Phenol
Concen: 0.960 ng
RT: 7.19 min Scan# 699
Delta R.T. 0.00 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Tgt Ion: 94 Resp: 4121
Ion Ratio Lower Upper
94 100
65 33.4 6.1 46.1
66 104.1 15.7 55.7#



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

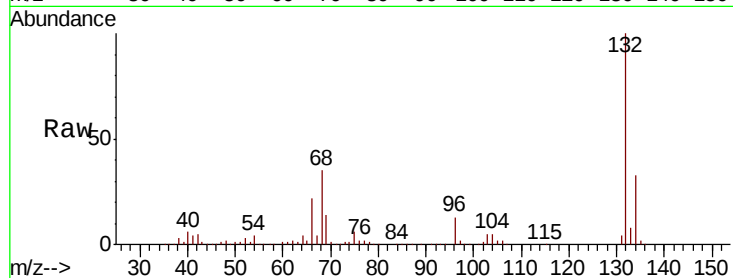




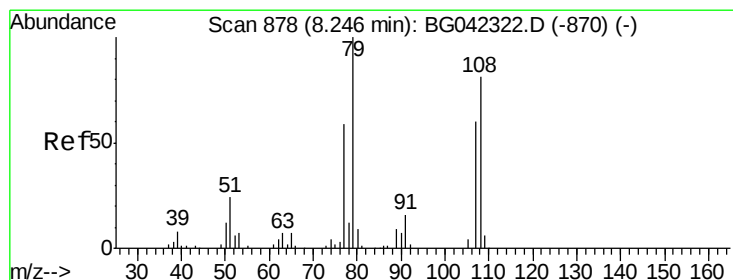
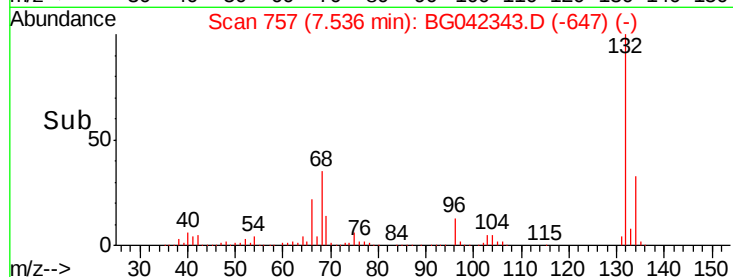
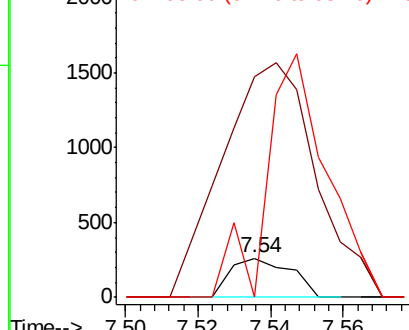
#11
bis(2-Chloroethyl)ether
Concen: 0.090 ng
RT: 7.54 min Scan# 757
Delta R.T. 0.12 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 93 Resp: 305
Ion Ratio Lower Upper
93 100
63 563.0 53.0 93.0#
95 0.0 13.0 53.0#

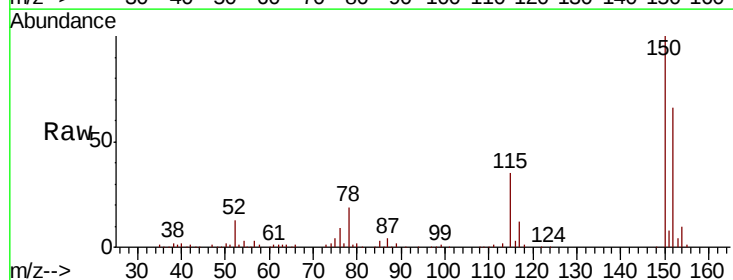


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

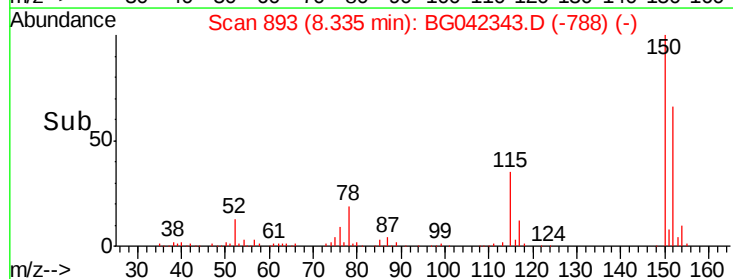
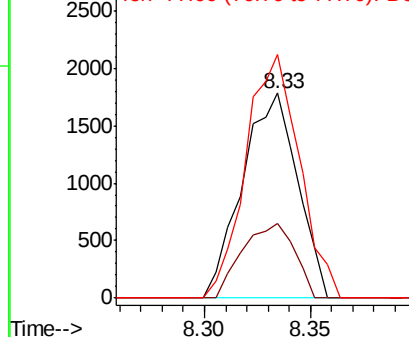


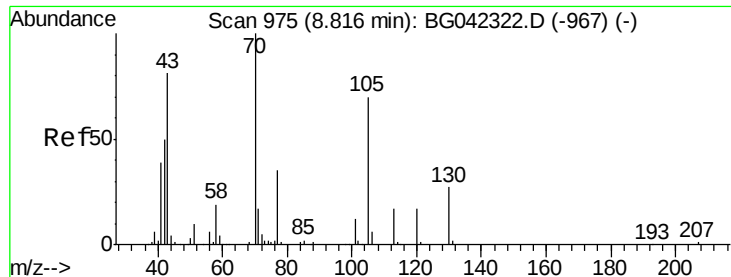
#15
Benzyl Alcohol
Concen: 1.114 ng
RT: 8.33 min Scan# 893
Delta R.T. 0.09 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Tgt Ion: 79 Resp: 3234
Ion Ratio Lower Upper
79 100
108 36.7 64.8 97.2#
77 118.7 47.6 71.4#



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

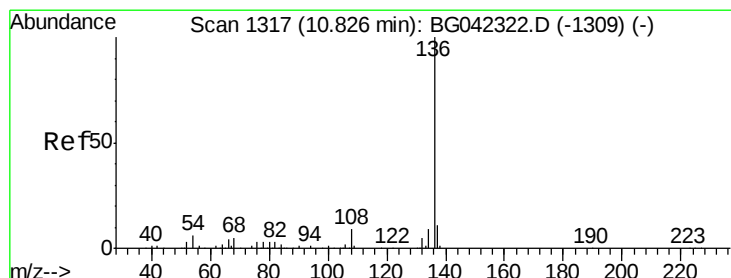
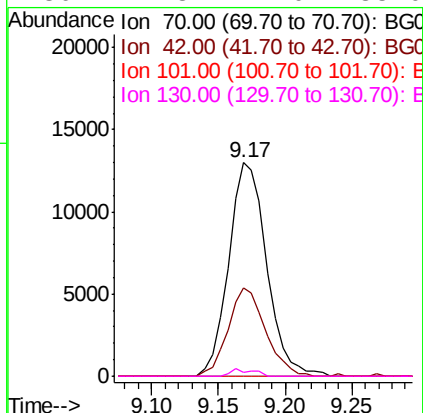
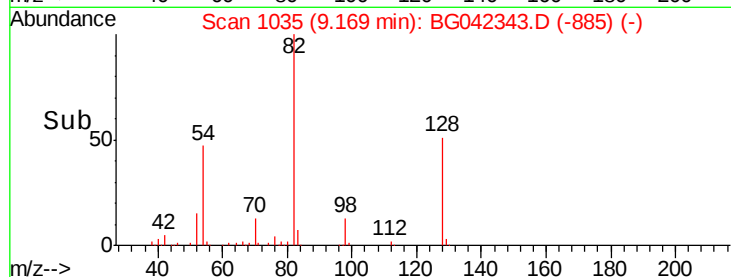
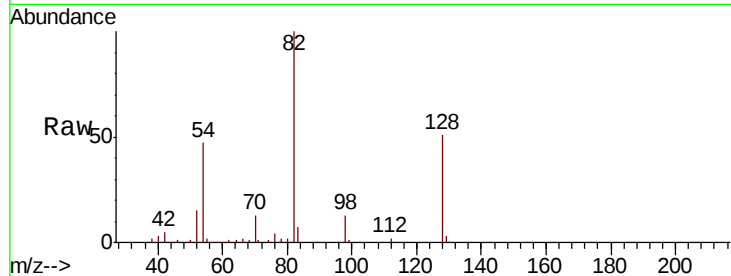




#19
n-Nitroso-di-n-propylamine
Concen: 9.442 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

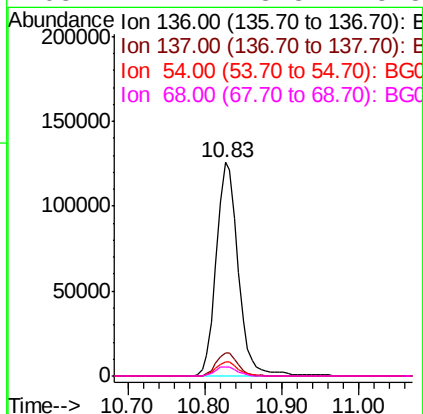
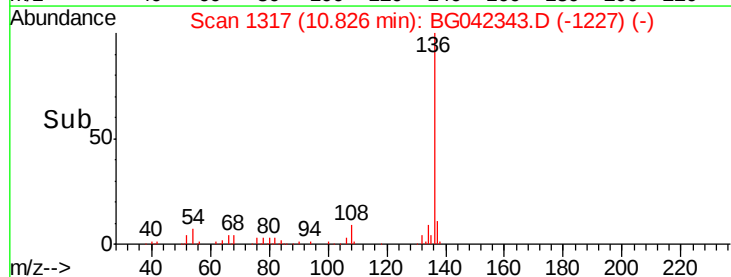
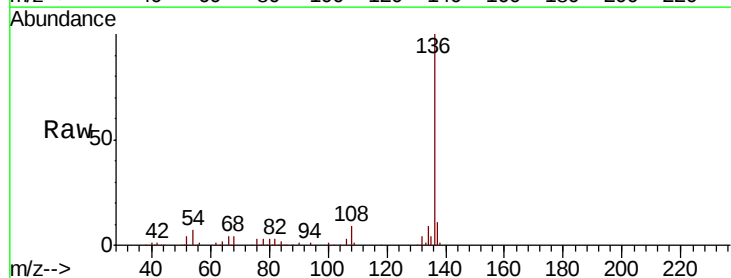
Instrument :
BNA_G
ClientSampleId :

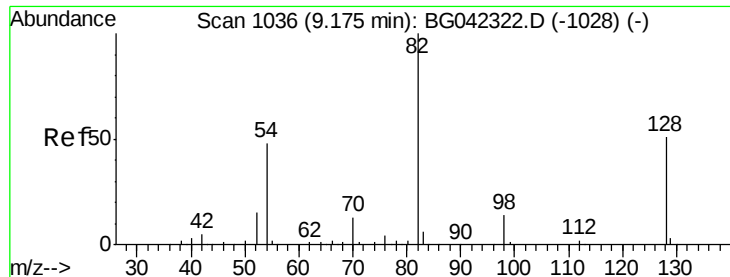
Tot Ion: 70 Resp: 25633
Ion Ratio Lower Upper
70 100
42 41.3 40.5 60.7
101 0.0 9.3 13.9#
130 1.8 22.0 33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Tgt Ion: 136 Resp: 247877
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 6.8 5.0 7.4
68 4.4 3.8 5.8

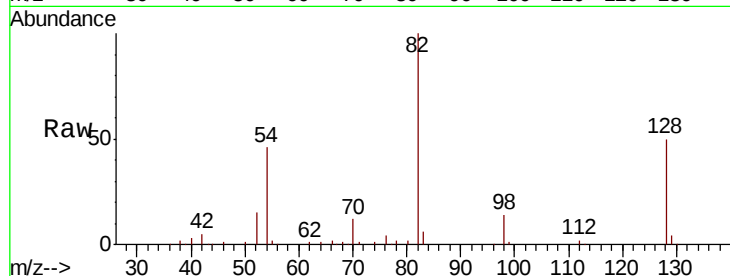




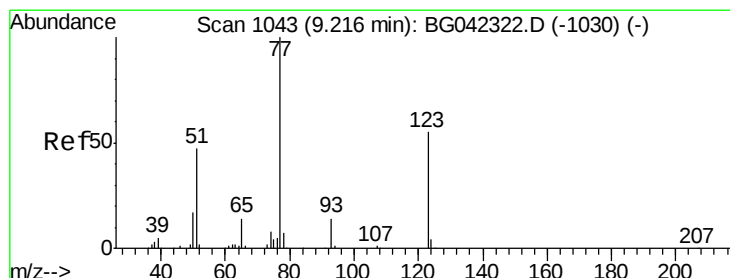
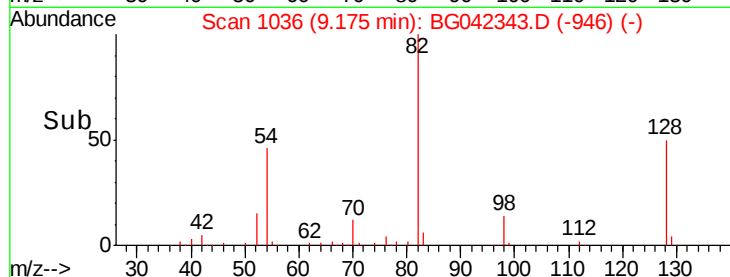
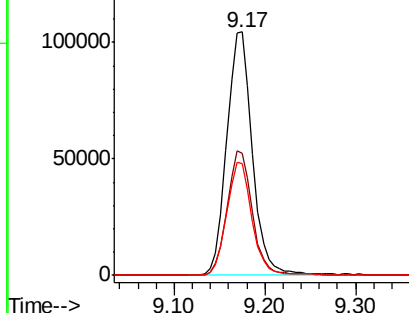
#23
 Nitrobenzene-d5
 Concen: 58.339 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	205607
Ion Ratio	Lower	Upper	
82	100		
128	50.0	41.0	61.4
54	45.7	38.0	57.0

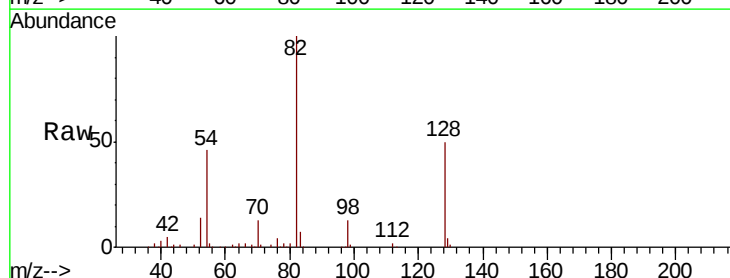


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

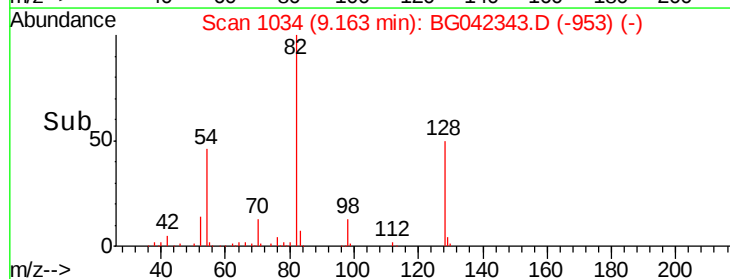
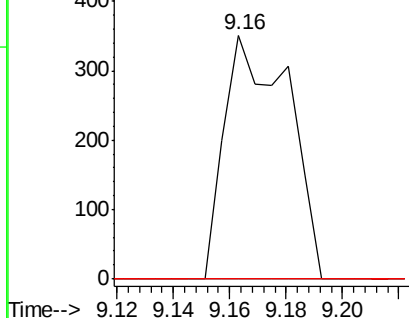


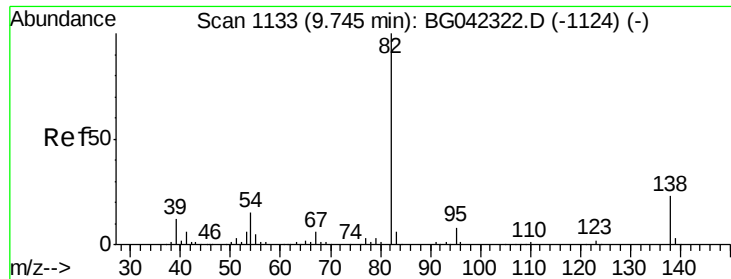
#24
 Nitrobenzene
 Concen: 0.154 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.05 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Tgt Ion	77	Resp	552
Ion Ratio	Lower	Upper	
77	100		
123	0.0	43.7	65.5#
65	0.0	10.9	16.3#



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 0.019 ng

RT: 9.50 min Scan# 1092

Delta R.T. -0.24 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampled :

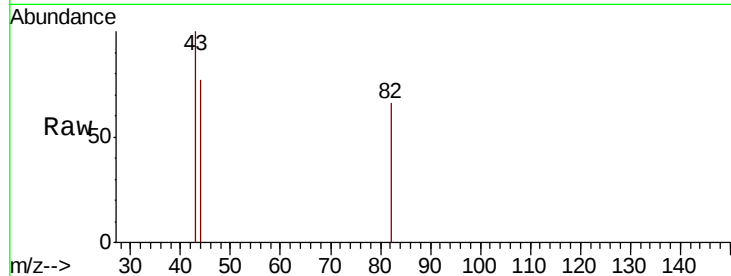
Tot Ion: 82 Resp: 134

Ion Ratio Lower Upper

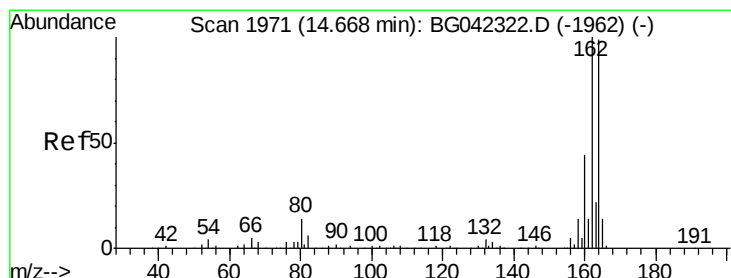
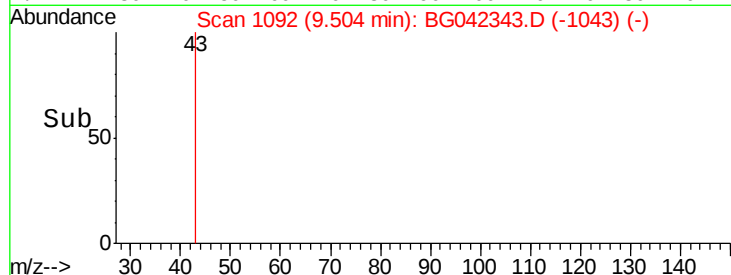
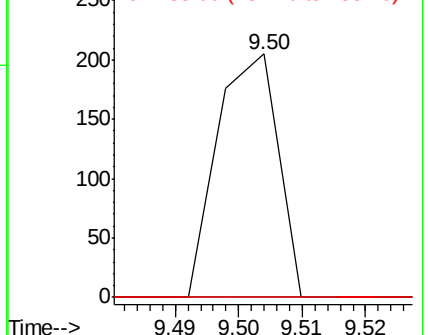
82 100

95 0.0 6.1 9.1#

138 0.0 18.2 27.2#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

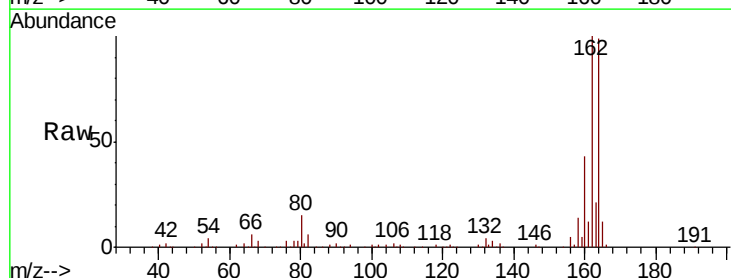
Tgt Ion: 164 Resp: 180536

Ion Ratio Lower Upper

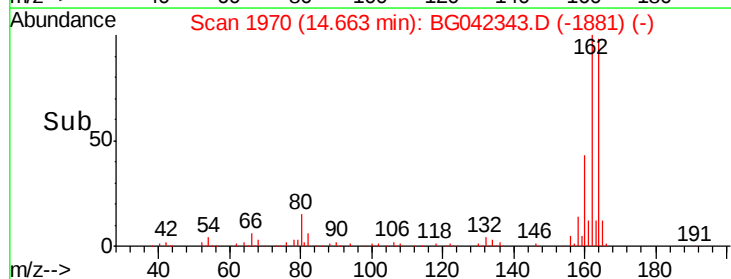
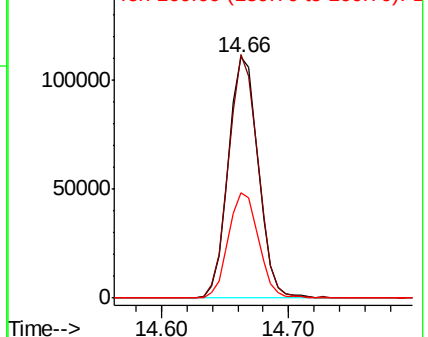
164 100

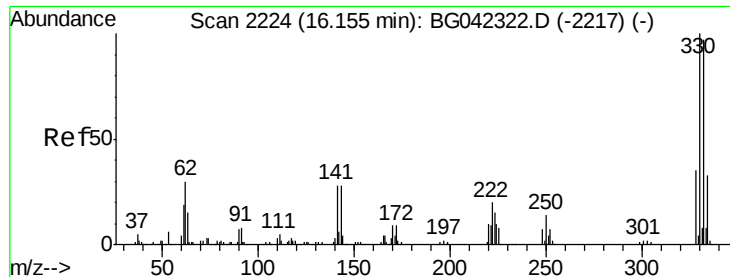
162 101.1 80.6 120.8

160 43.6 35.7 53.5



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

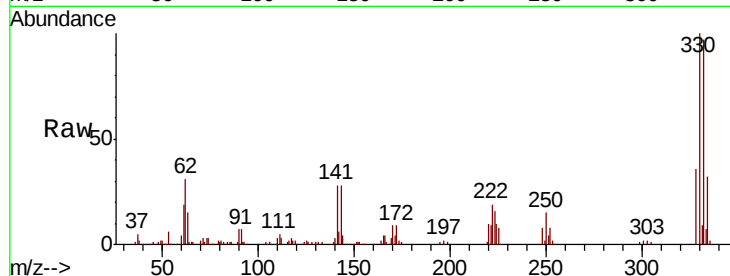




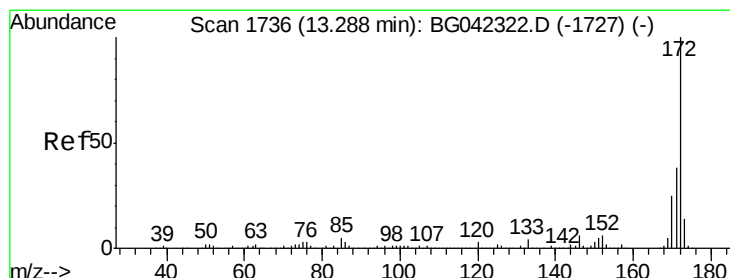
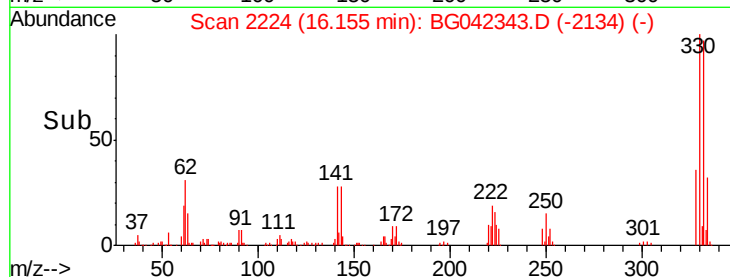
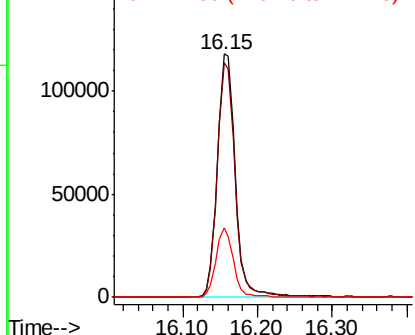
#42
 2,4,6-Tribromophenol
 Concen: 80.556 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.9	115.3
141	27.6	21.8	32.6

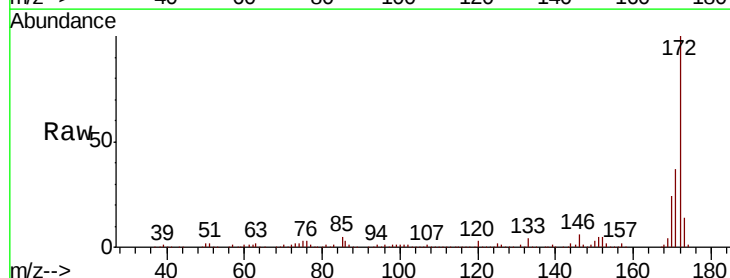


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

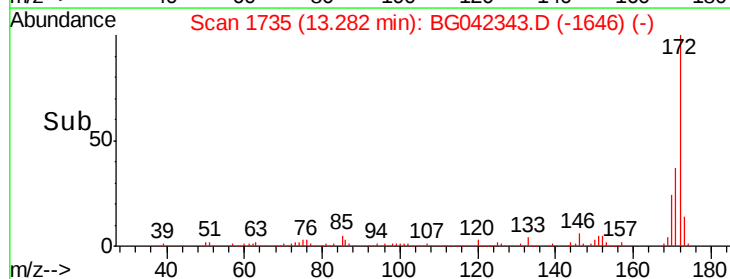
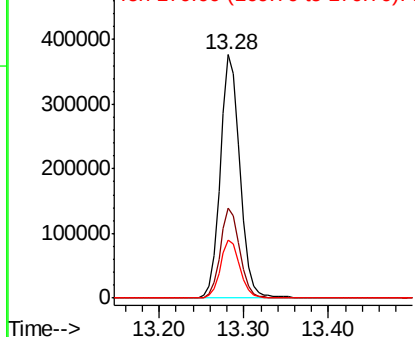


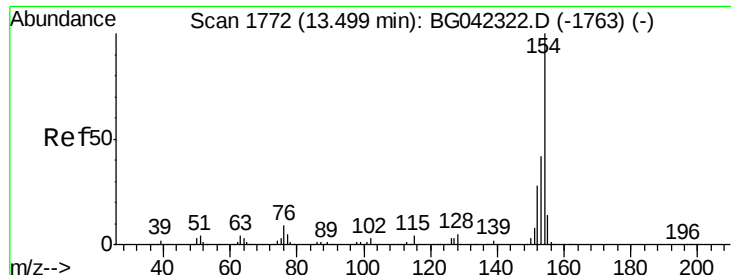
#45
 2-Fluorobiphenyl
 Concen: 57.163 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.3	45.5
170	24.0	20.0	30.0



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

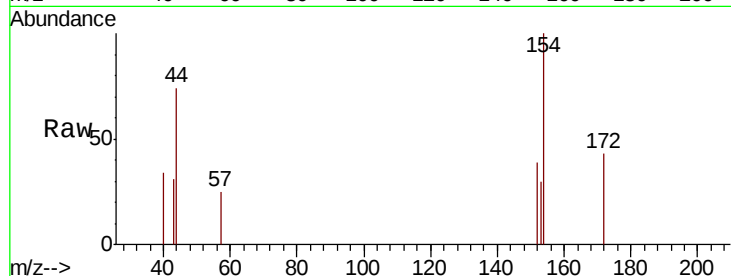




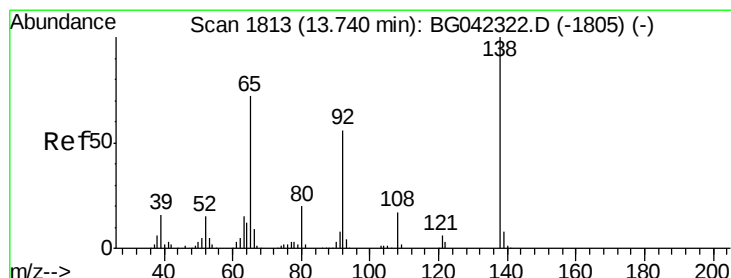
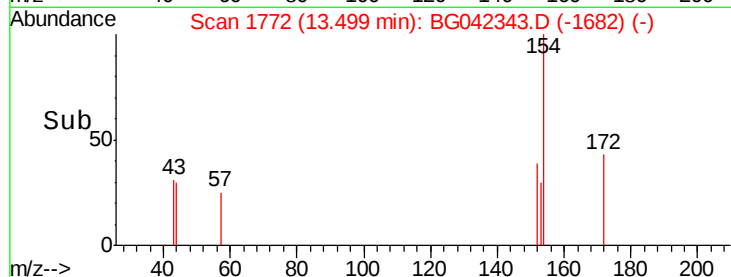
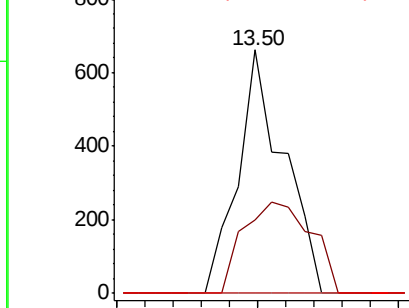
#46
 1,1'-Biphenyl
 Concen: 0.063 ng
 RT: 13.50 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:154 Resp: 743
 Ion Ratio Lower Upper
 154 100
 153 30.2 21.9 61.9
 76 0.0 0.0 29.3

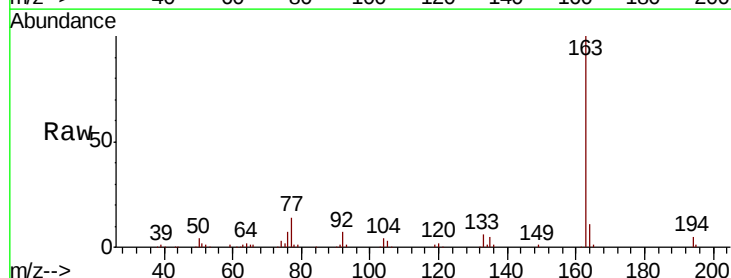


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

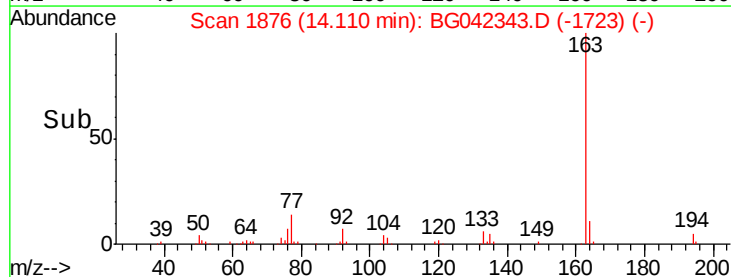
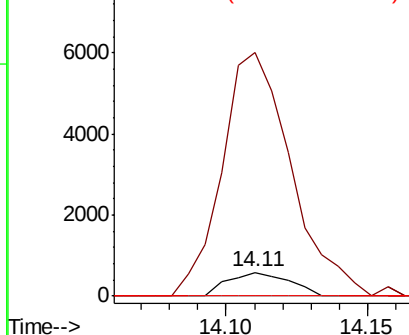


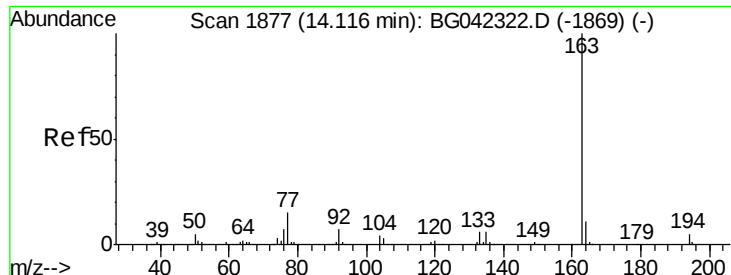
#48
 2-Nitroaniline
 Concen: 0.372 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. 0.37 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Tgt Ion: 65 Resp: 882
 Ion Ratio Lower Upper
 65 100
 92 1038.9 62.6 94.0#
 138 0.0 111.5 167.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 12.045 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampleId :

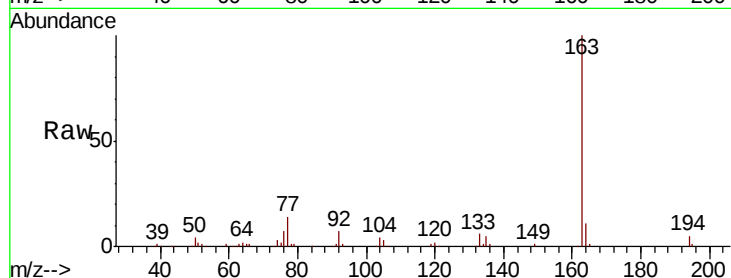
Tot Ion:163 Resp: 154513

Ion Ratio Lower Upper

163 100

194 5.2 4.2 6.2

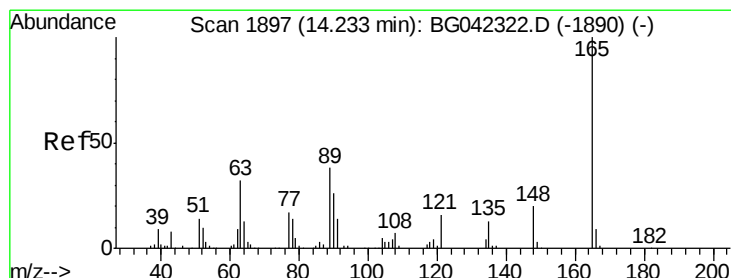
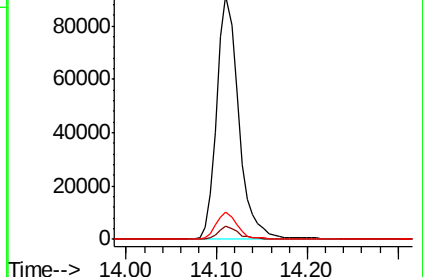
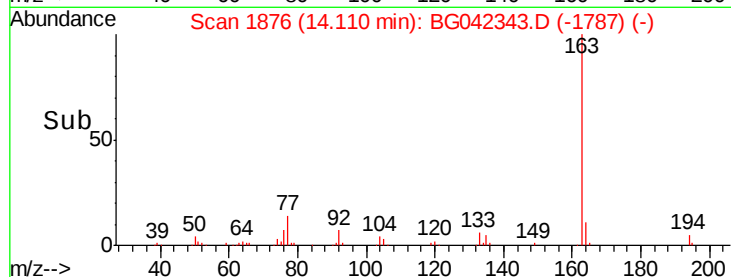
164 11.1 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 0.562 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.12 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

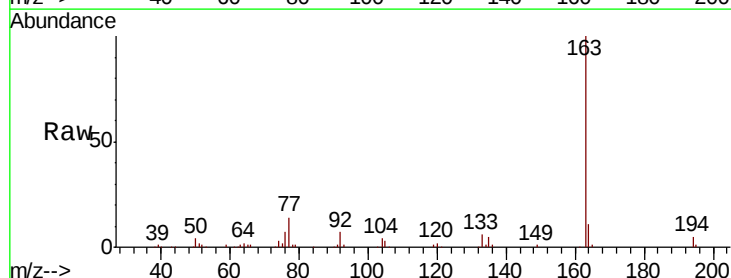
Tgt Ion:165 Resp: 1686

Ion Ratio Lower Upper

165 100

63 95.3 28.2 42.2#

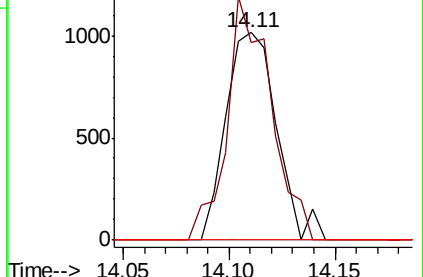
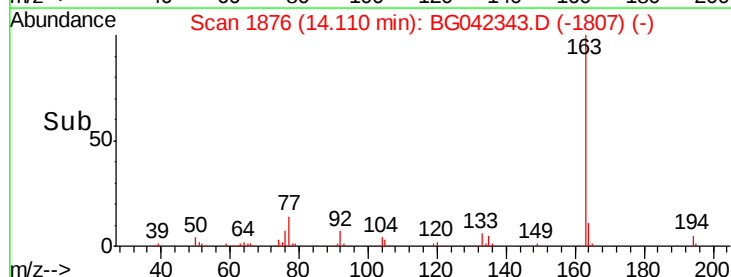
89 0.0 30.0 45.0#

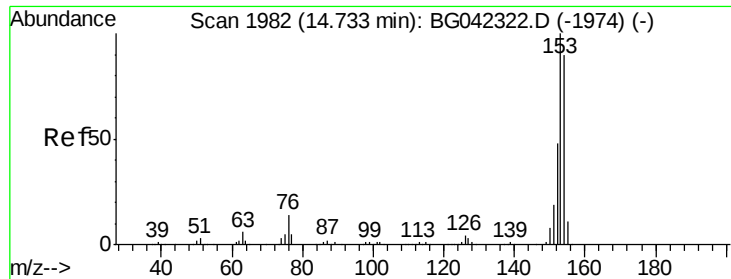


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.066 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.06 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampleId :

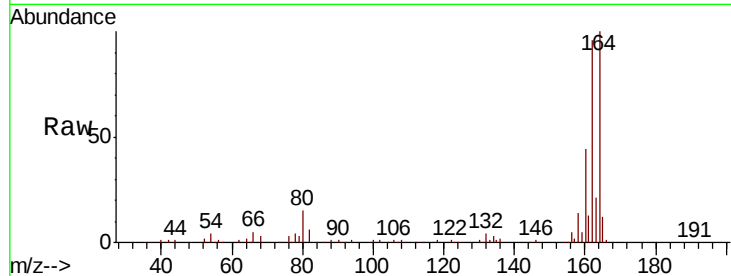
Tot Ion:154 Resp: 610

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

152 0.0 43.1 64.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.67

400

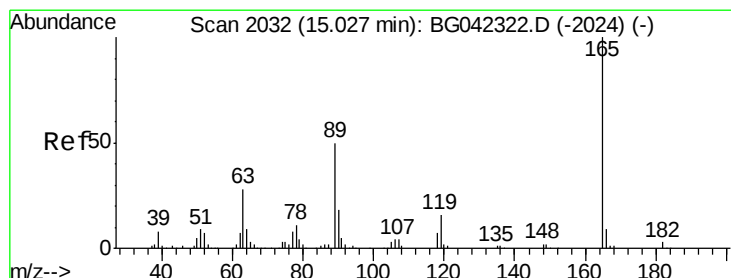
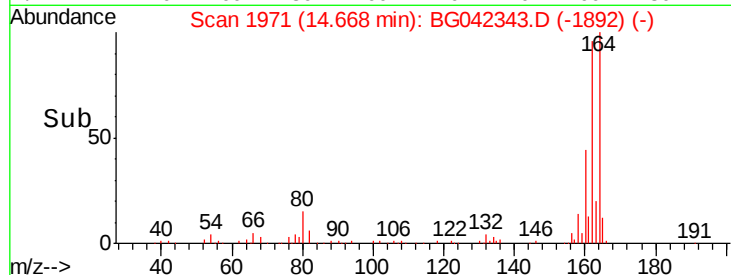
300

200

100

0

Time-->



#57

2,4-Dinitrotoluene

Concen: 5.564 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Tgt Ion:165 Resp: 23356

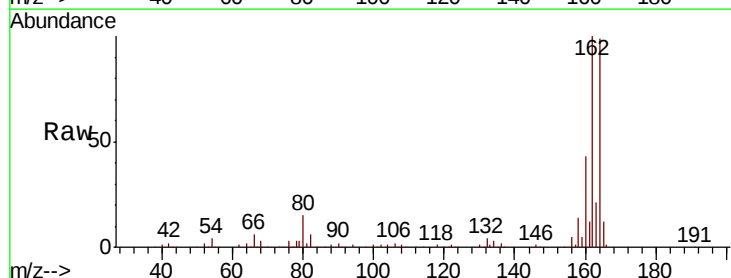
Ion Ratio Lower Upper

165 100

63 0.0 22.4 33.6#

89 0.0 40.2 60.2#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.66

20000

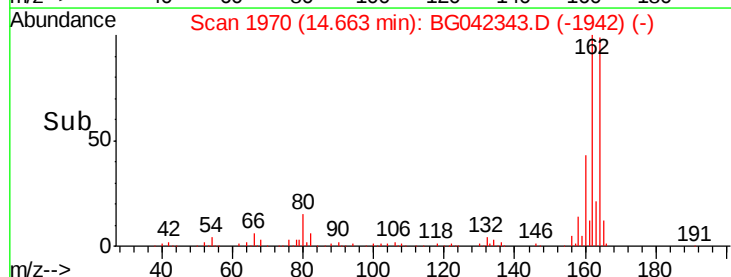
15000

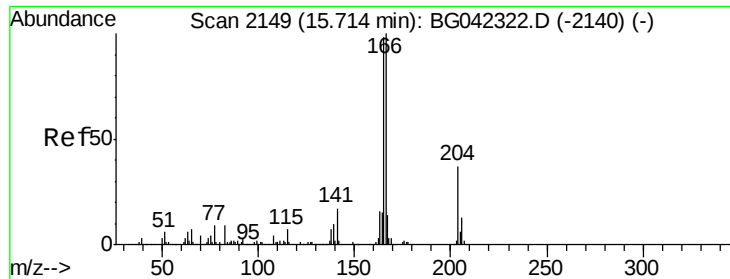
10000

5000

0

Time-->





#58

Fluorene

Concen: 0.622 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.44 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampleId :

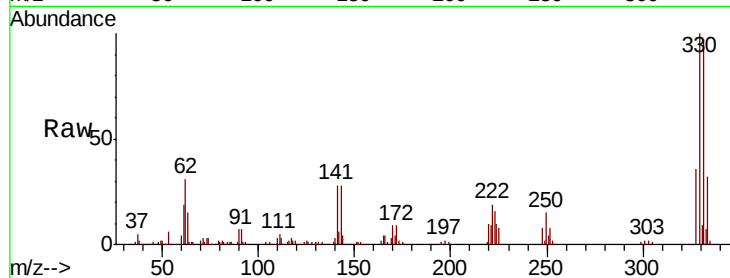
Tot Ion:166 Resp: 7595

Ion Ratio Lower Upper

166 100

165 101.2 78.7 118.1

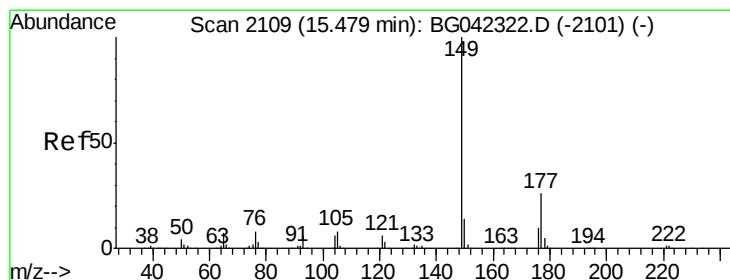
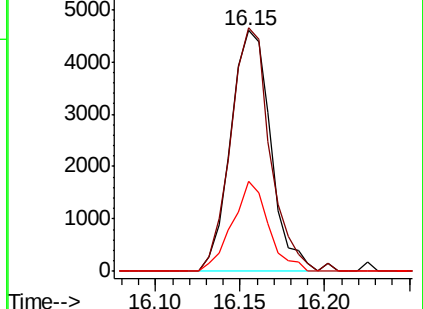
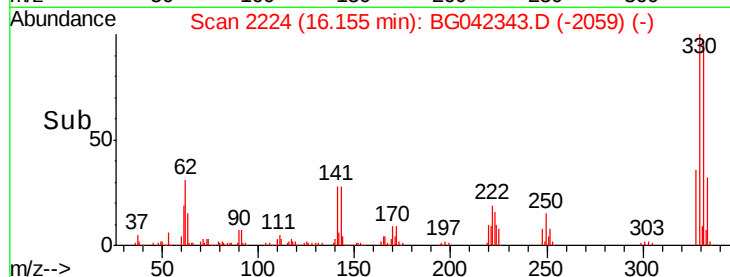
167 37.2 11.1 16.7#



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: 0.014 ng

RT: 15.49 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

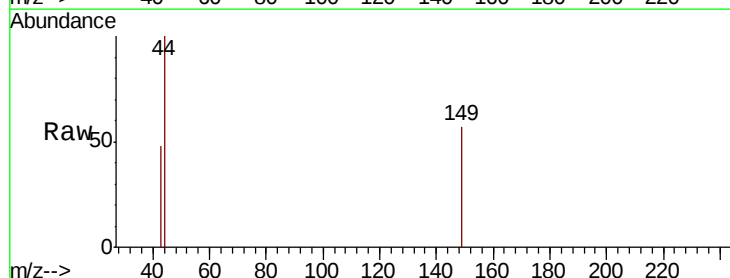
Tgt Ion:149 Resp: 170

Ion Ratio Lower Upper

149 100

177 0.0 20.7 31.1#

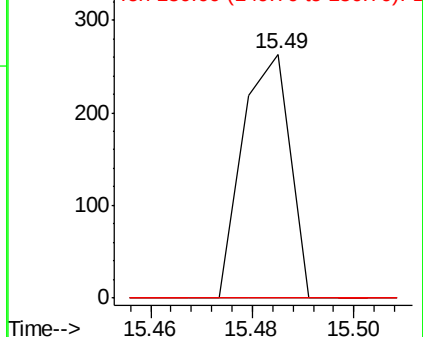
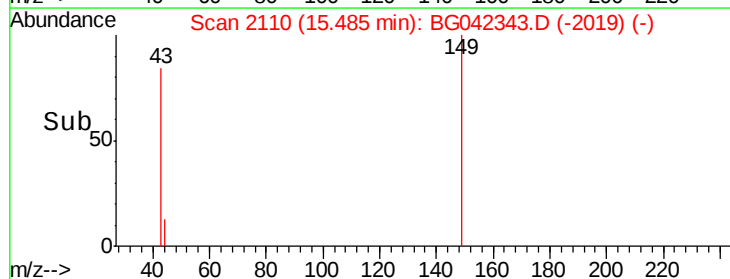
150 0.0 11.0 16.4#

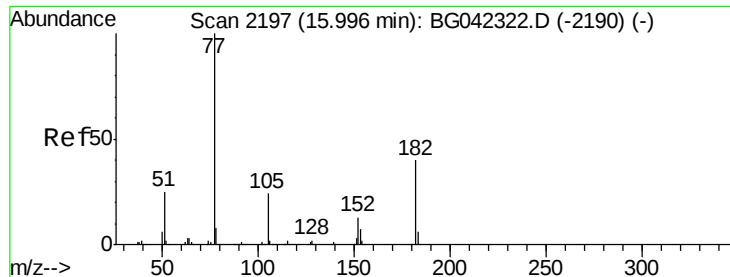


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

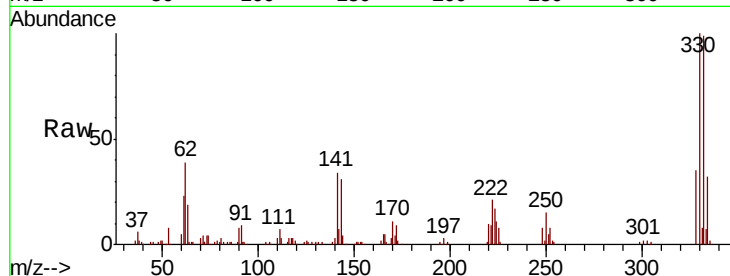




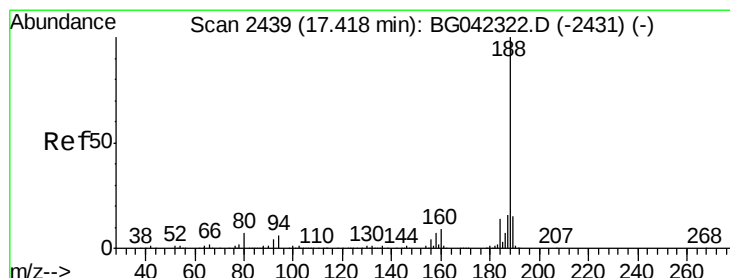
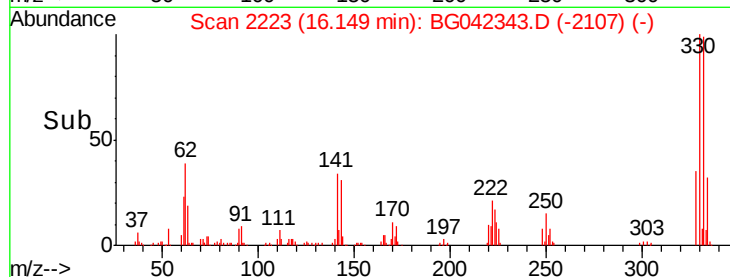
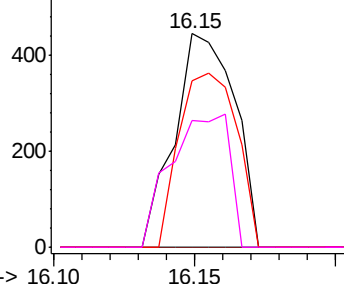
#63
Azobenzene
Concen: 0.076 ng
RT: 16.15 min Scan# 2223
Delta R.T. 0.15 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 658
Ion Ratio Lower Upper
77 100
182 0.0 19.7 59.7#
105 77.9 3.5 43.5#
51 59.2 5.4 45.4#

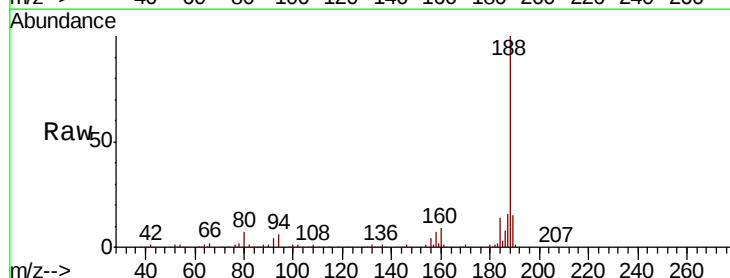


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

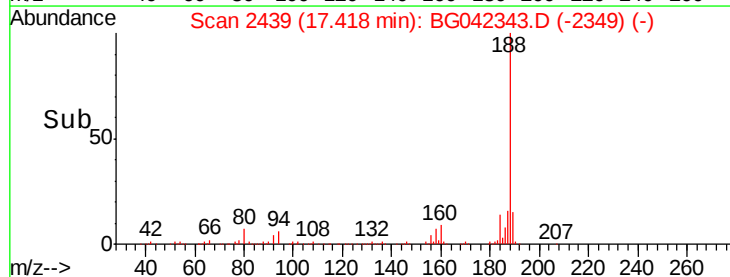
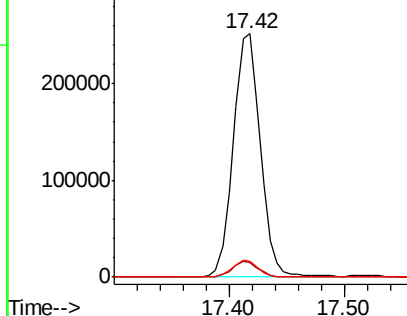


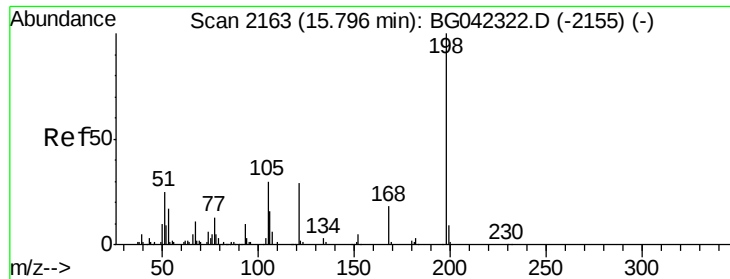
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. 0.00 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Tgt Ion: 188 Resp: 407673
Ion Ratio Lower Upper
188 100
94 6.0 4.9 7.3
80 6.7 5.4 8.0



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

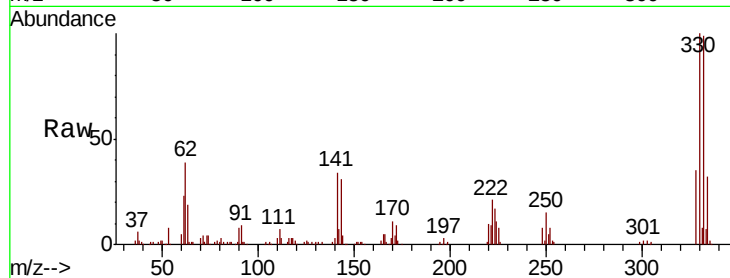




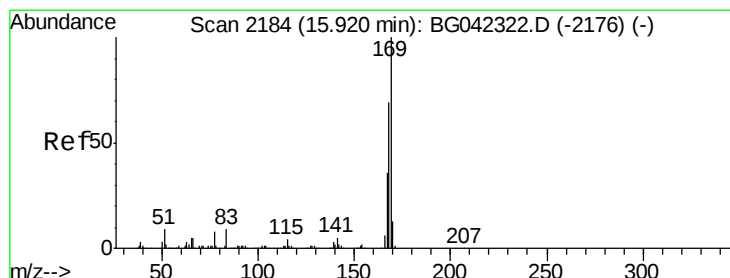
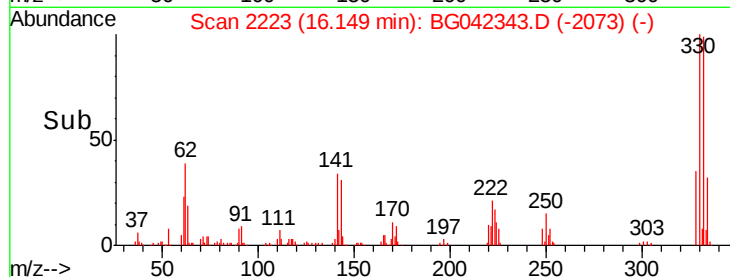
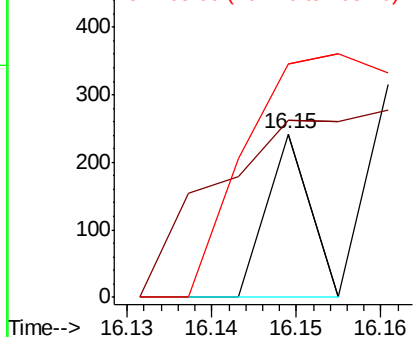
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.034 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.35 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	108.7	6.4	46.4#
105	143.0	10.0	50.0#

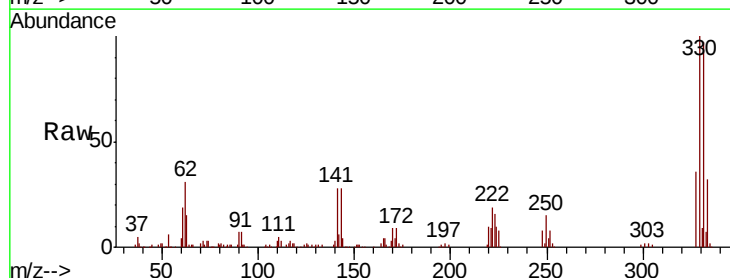


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

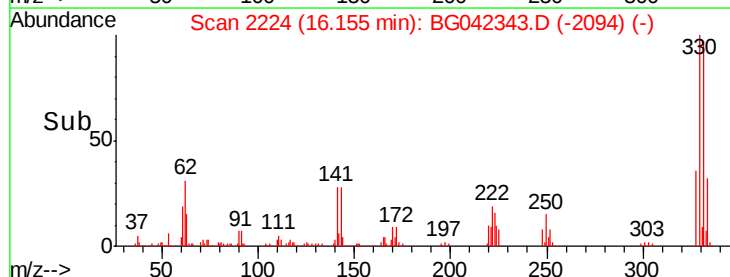
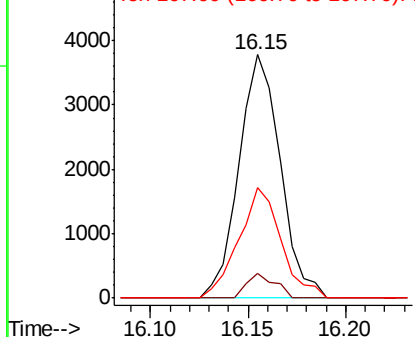


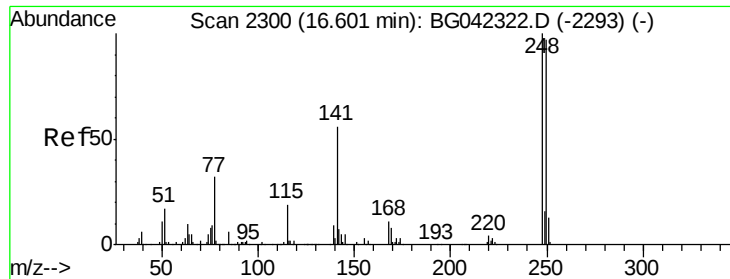
#66
 n-Nitrosodiphenylamine
 Concen: 0.487 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.24 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
169	100		
168	10.1	55.5	83.3#
167	45.2	28.9	43.3#



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

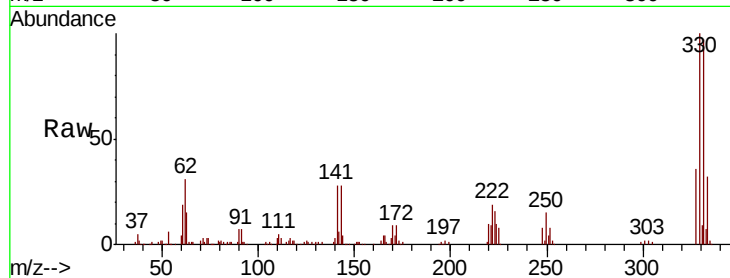




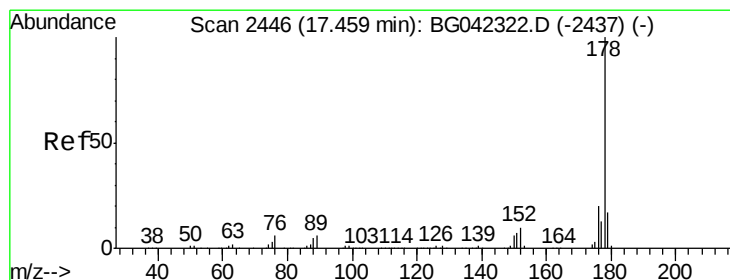
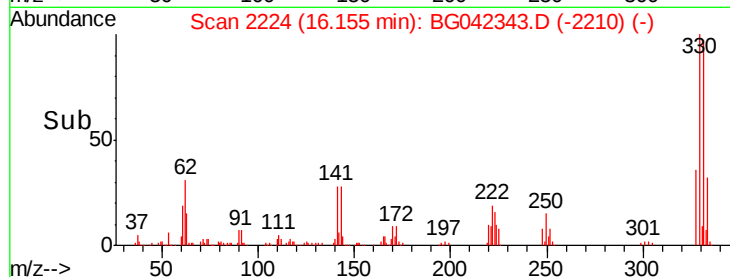
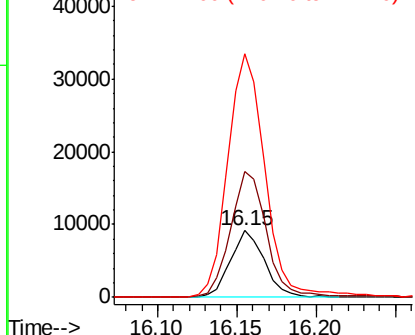
#67
 4-Bromophenyl-phenylether
 Concen: 2.636 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 13678
 Ion Ratio Lower Upper
 248 100
 250 189.1 78.0 117.0#
 141 366.8 44.9 67.3#

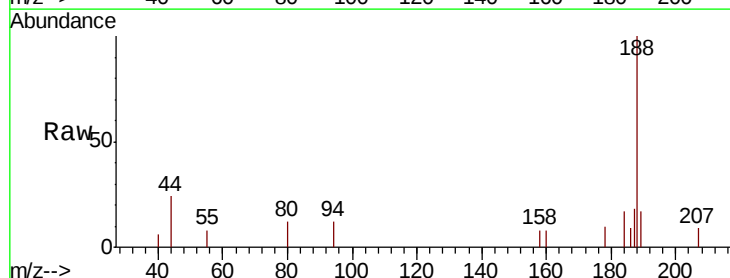


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

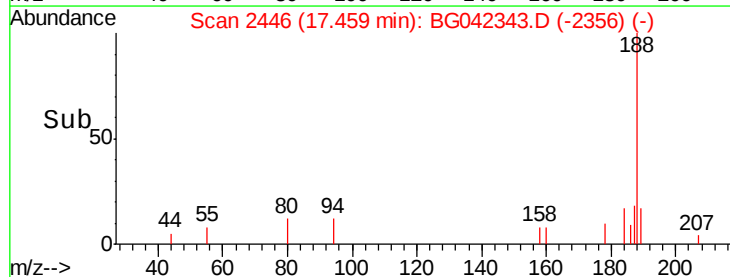
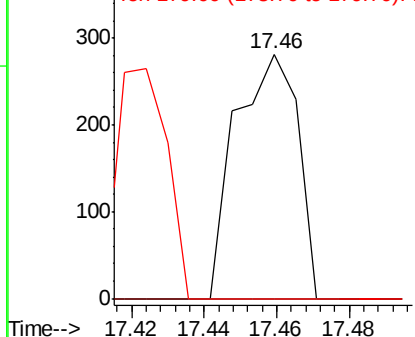


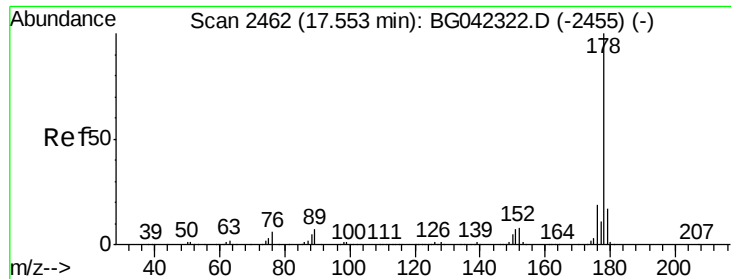
#71
 Phenanthrene
 Concen: 0.016 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Tgt Ion:178 Resp: 335
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.2 24.4#
 179 0.0 13.7 20.5#



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





#72

Anthracene

Concen: 0.017 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.09 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampleId :

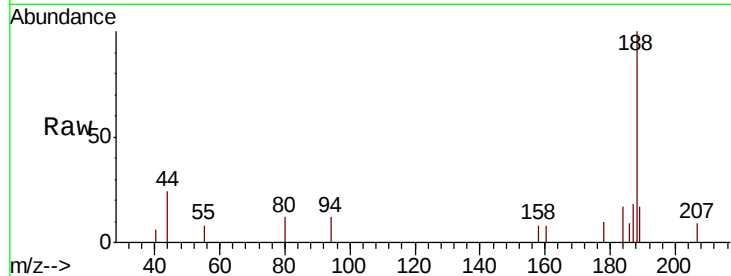
Tot Ion:178 Resp: 335

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

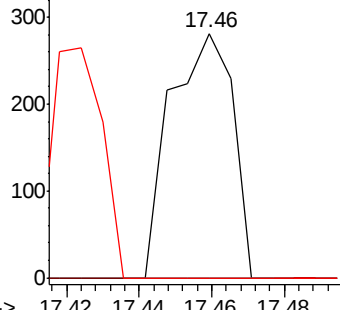
179 0.0 13.6 20.4#



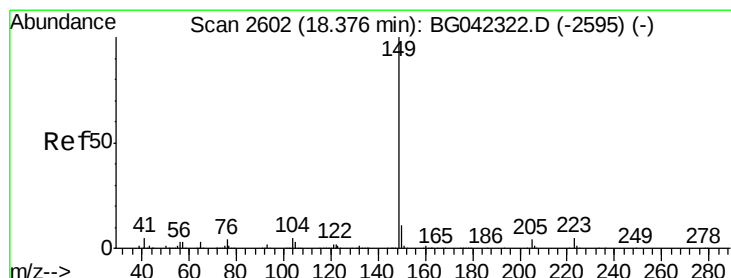
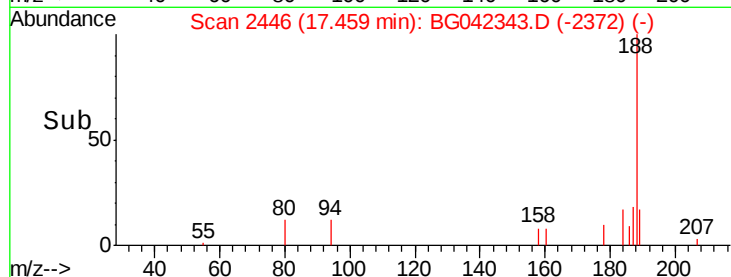
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Di-n-butylphthalate

Concen: 0.068 ng

RT: 18.38 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

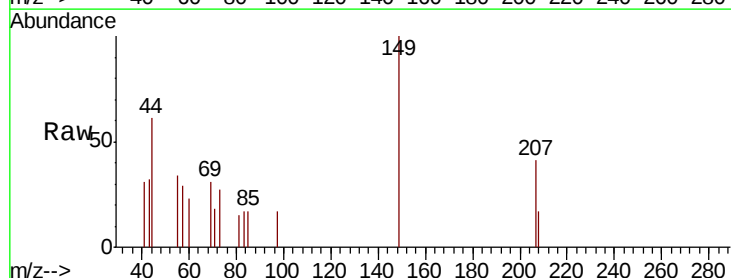
Tgt Ion:149 Resp: 1426

Ion Ratio Lower Upper

149 100

150 0.0 8.4 12.6#

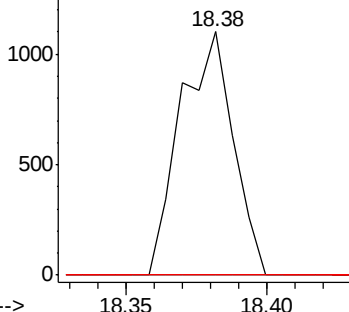
104 0.0 3.7 5.5#



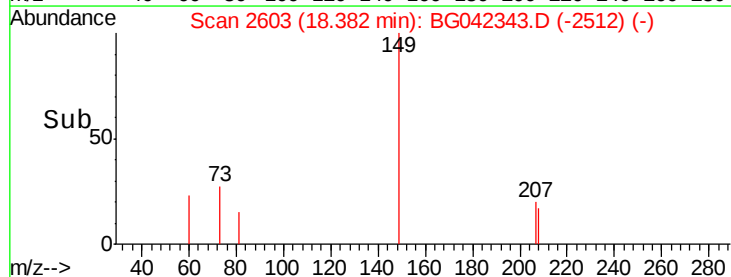
Abundance Ion 149.00 (148.70 to 149.70): E

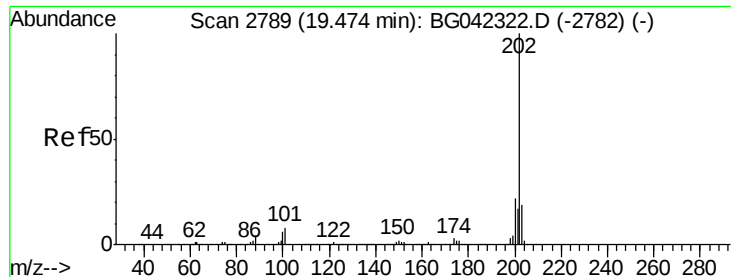
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#75

Fluoranthene

Concen: 0.049 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampleId :

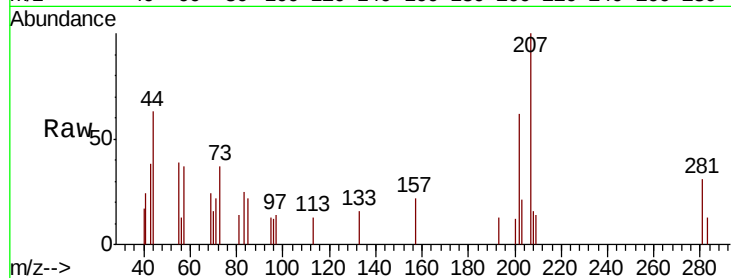
Tot Ion:202 Resp: 1206

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.0

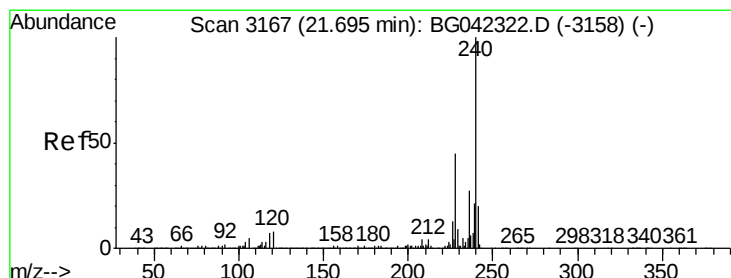
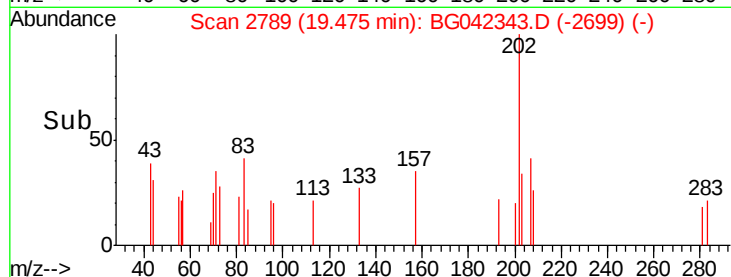
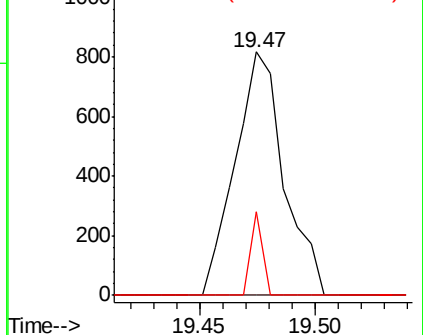
203 34.1 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

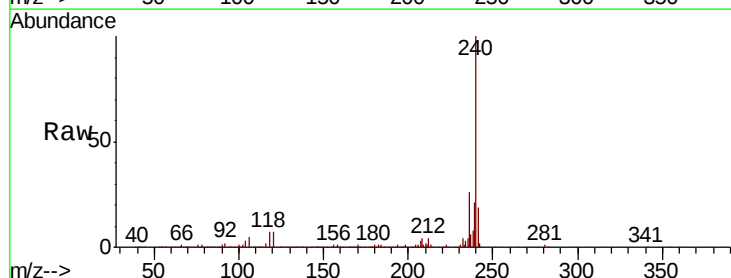
Tgt Ion:240 Resp: 419800

Ion Ratio Lower Upper

240 100

120 7.4 6.0 9.0

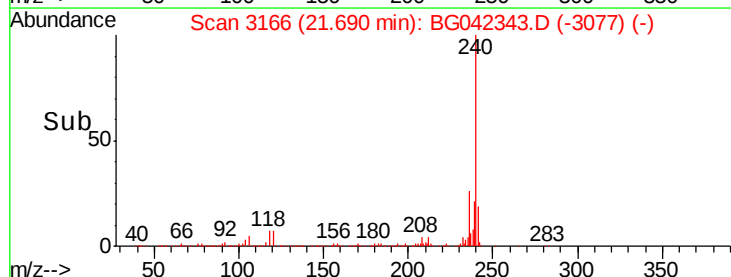
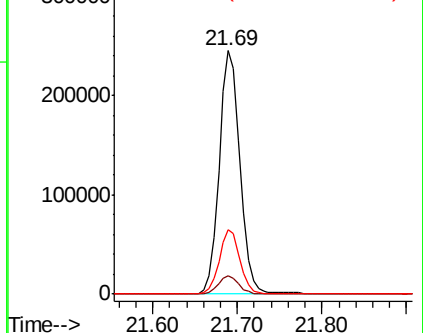
236 26.4 21.6 32.4

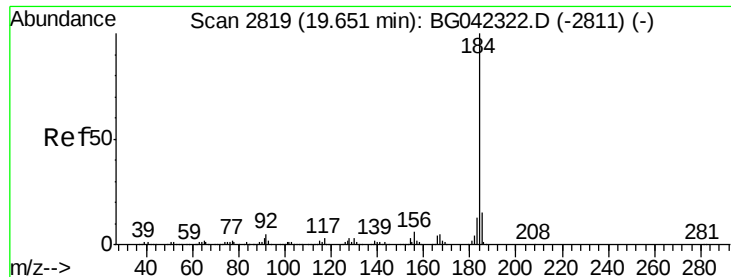


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.175 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampleId :

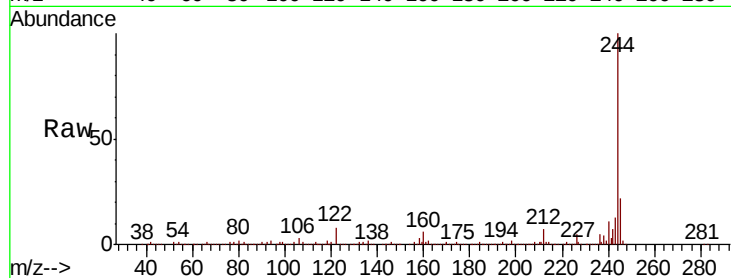
Tot Ion:184 Resp: 13073

Ion Ratio Lower Upper

184 100

185 17.6 11.8 17.6

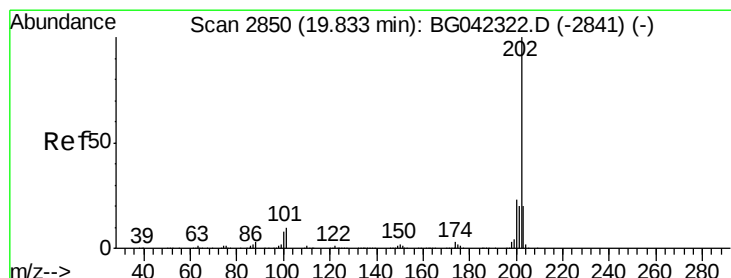
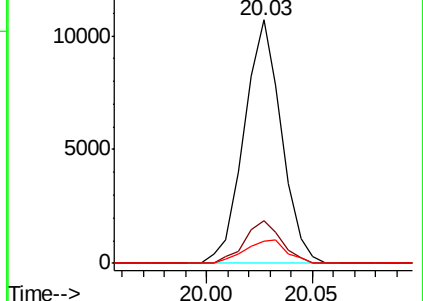
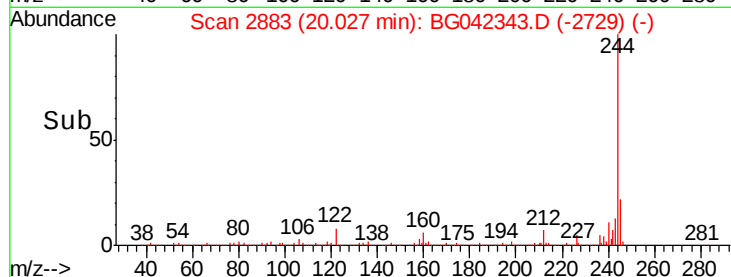
183 9.0 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.041 ng

RT: 19.83 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

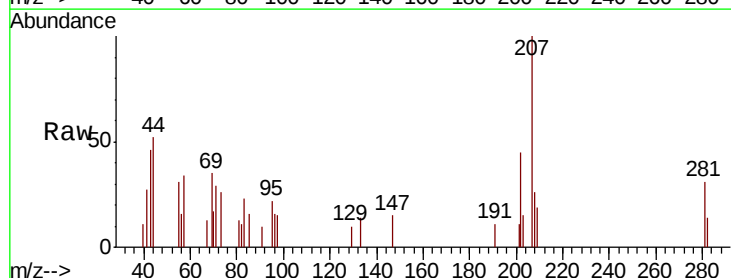
Tgt Ion:202 Resp: 1061

Ion Ratio Lower Upper

202 100

200 0.0 18.1 27.1#

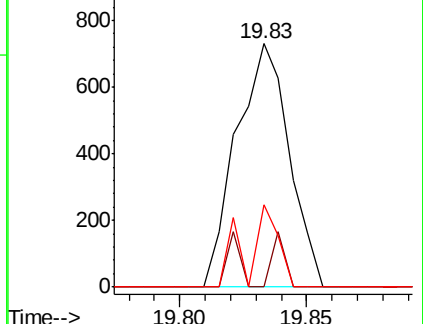
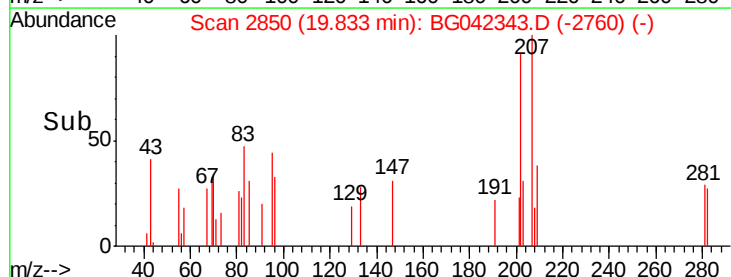
203 33.9 15.8 23.8#

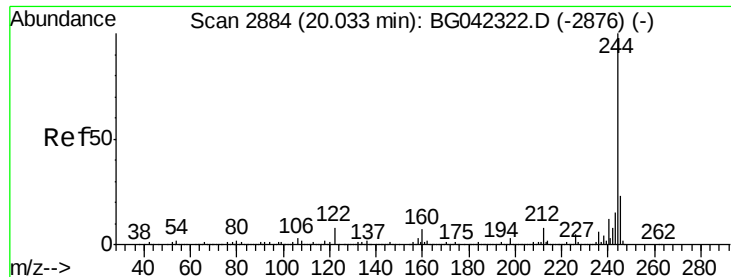


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 55.016 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampled :

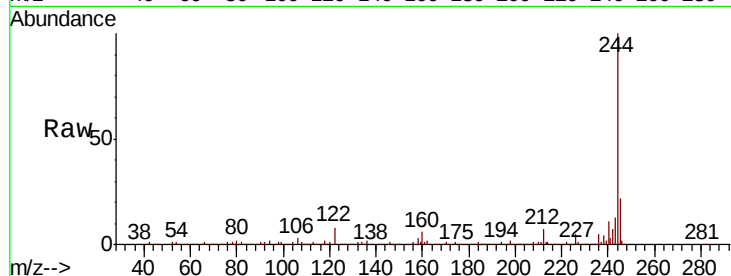
Tot Ion:244 Resp: 1054454

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

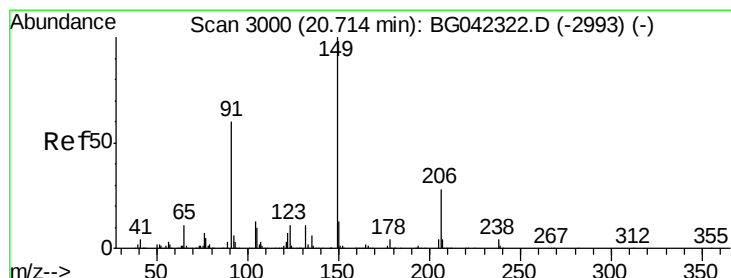
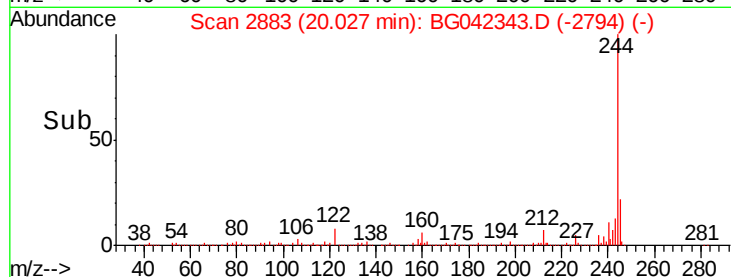
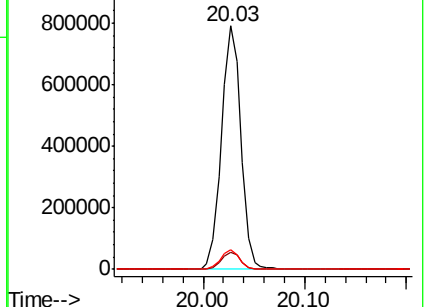
122 8.2 6.6 10.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.088 ng

RT: 20.71 min Scan# 3000

Delta R.T. 0.00 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

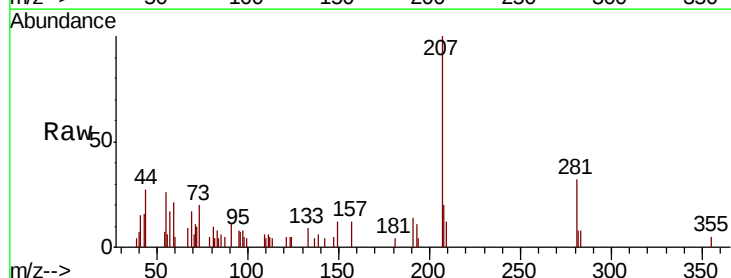
Tgt Ion:149 Resp: 896

Ion Ratio Lower Upper

149 100

91 92.9 47.8 71.6#

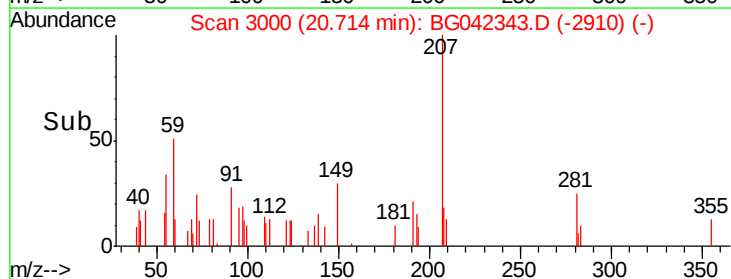
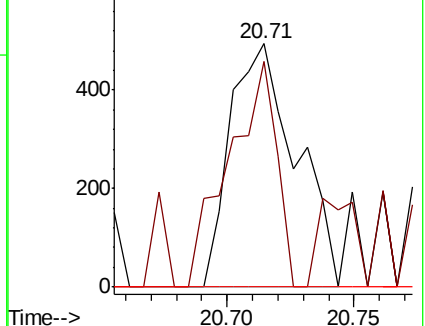
206 0.0 22.6 33.8#

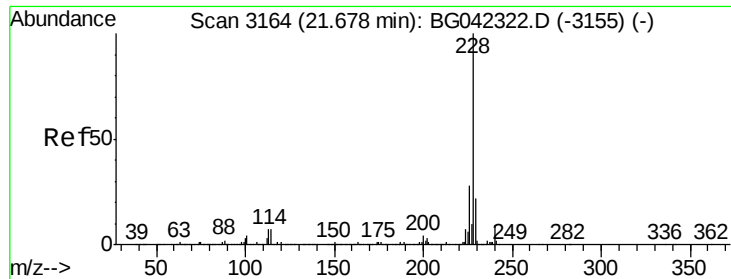


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

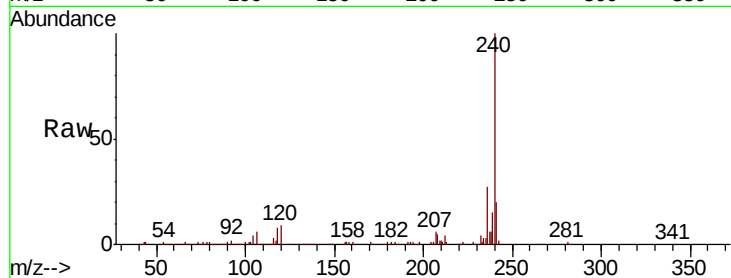




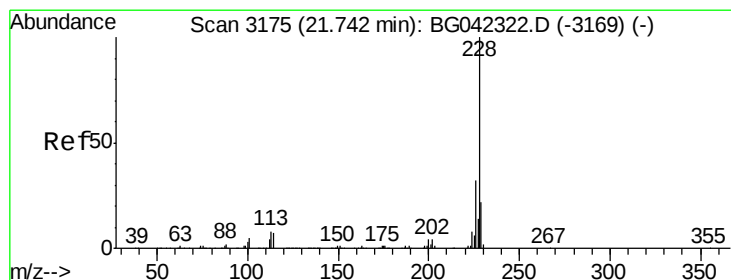
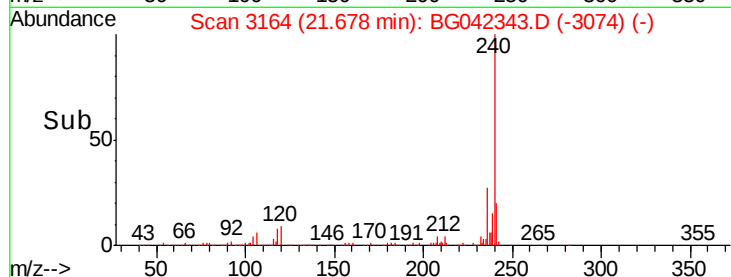
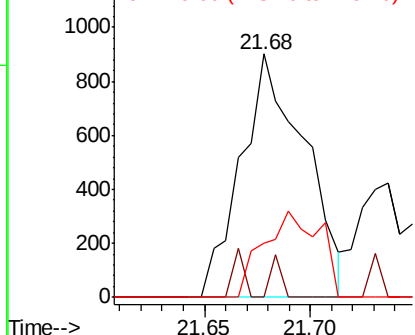
#81
Benzo(a)anthracene
Concen: 0.073 ng
RT: 21.68 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.7	34.1#
229	22.4	17.4	26.2

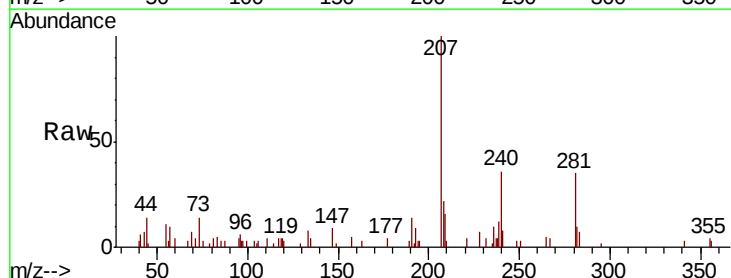


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

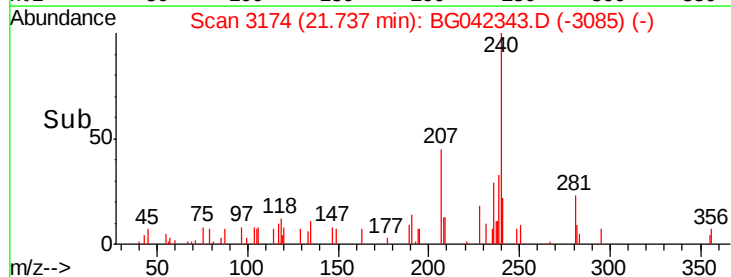
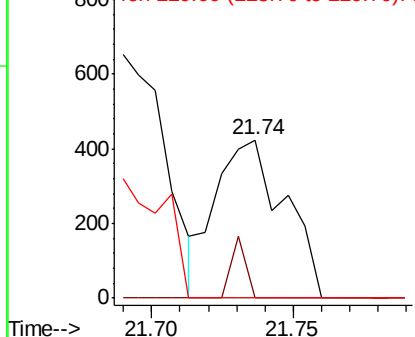


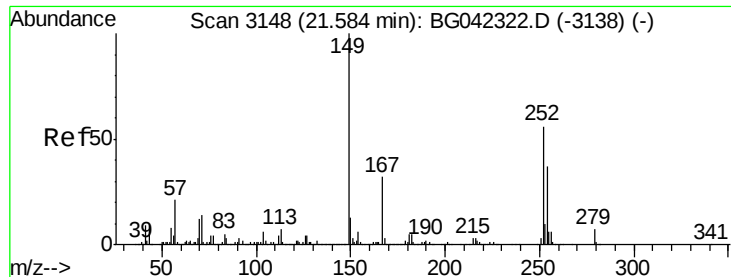
#83
Chrysene
Concen: 0.029 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.01 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	25.6	38.4#
229	0.0	17.8	26.6#



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

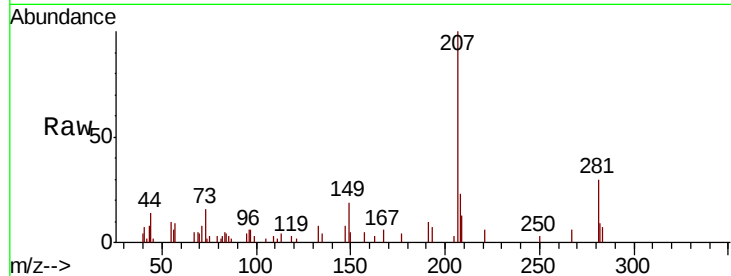




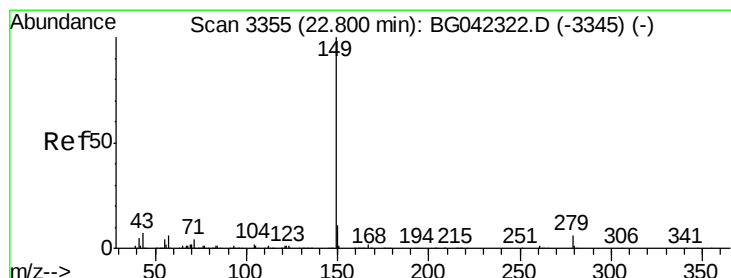
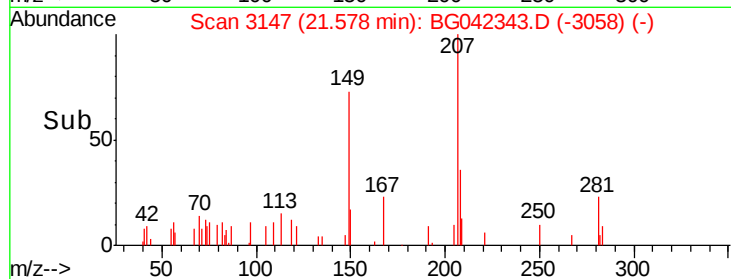
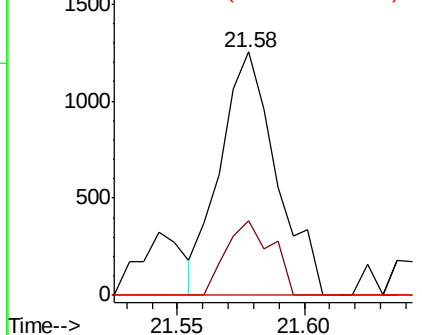
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.135 ng
 RT: 21.58 min Scan# 3147
 Delta R.T. -0.01 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.9	25.4	38.0
279	0.0	5.8	8.6#

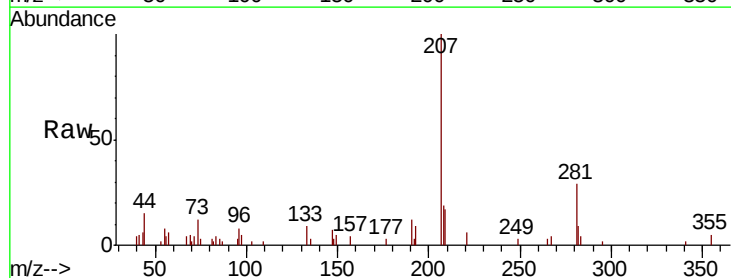


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

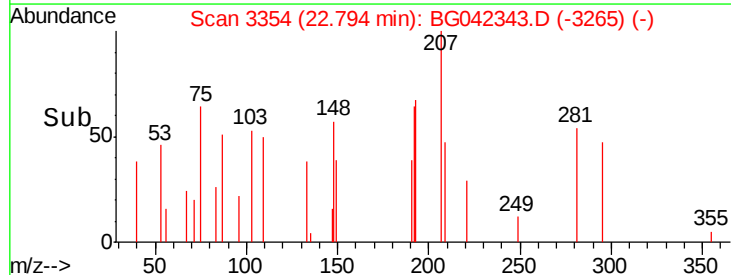
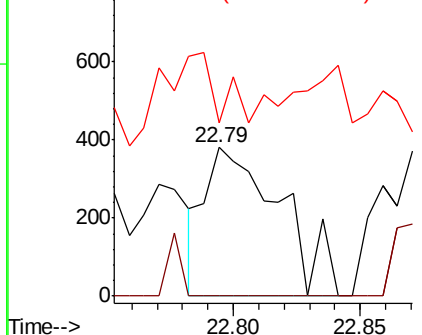


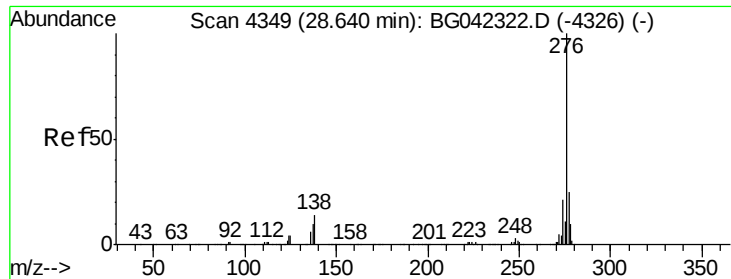
#85
 Di-n-octyl phthalate
 Concen: 0.032 ng
 RT: 22.79 min Scan# 3354
 Delta R.T. -0.01 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.4	2.2#
43	51.8	5.4	8.2#



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

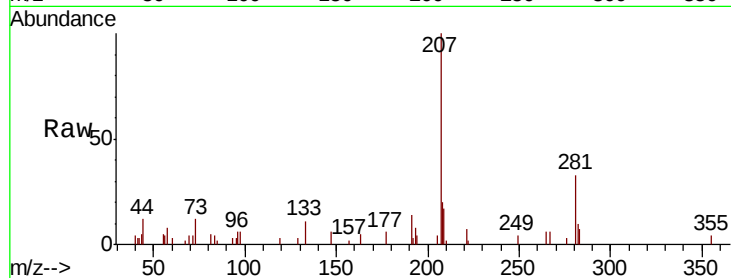




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.005 ng
 RT: 28.63 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

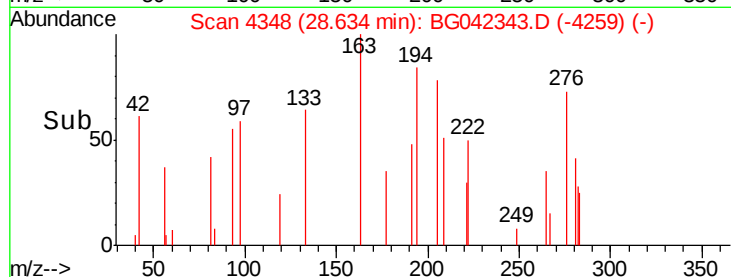
Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:276 Resp: 149
 Ion Ratio Lower Upper
 276 100
 138 0.0 14.5 21.7#
 277 0.0 21.0 31.4#

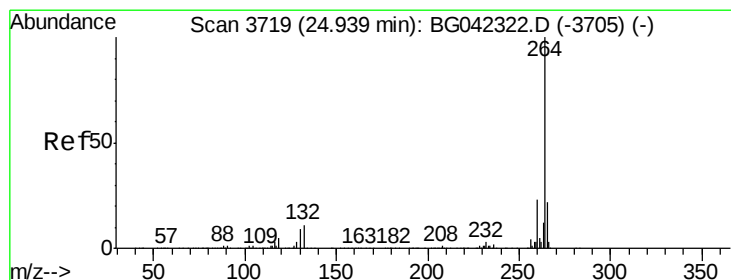


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

28.63

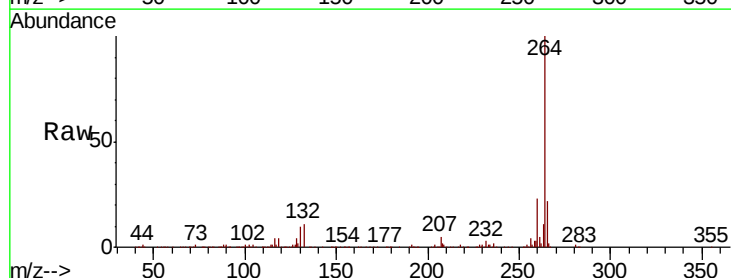


Time-->



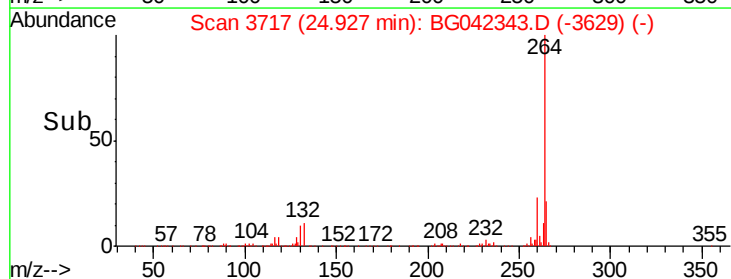
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042343.D
 Acq: 20 Aug 2019 1:38

Tgt Ion:264 Resp: 499147
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.4 27.6
 265 21.6 17.4 26.0

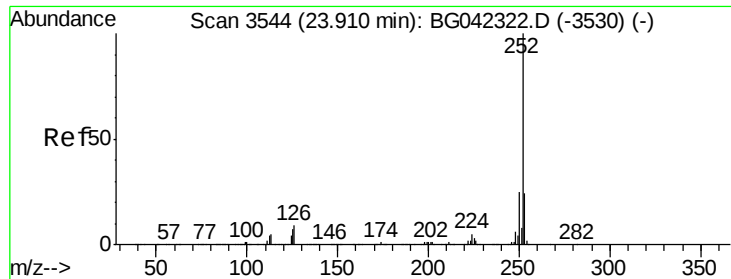


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

24.93



Time-->



#88

Benzo(b)fluoranthene

Concen: 0.049 ng

RT: 23.92 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

Instrument :

BNA_G

ClientSampleId :

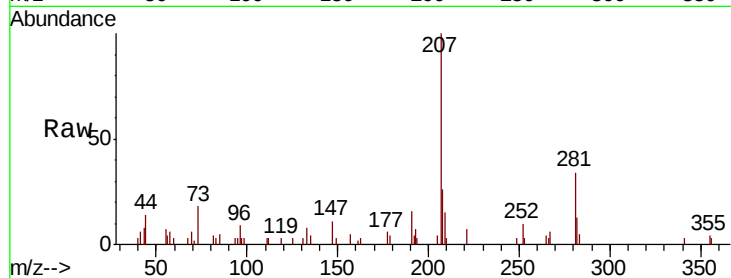
Tot Ion:252 Resp: 1333

Ion Ratio Lower Upper

252 100

253 29.1 18.9 28.3#

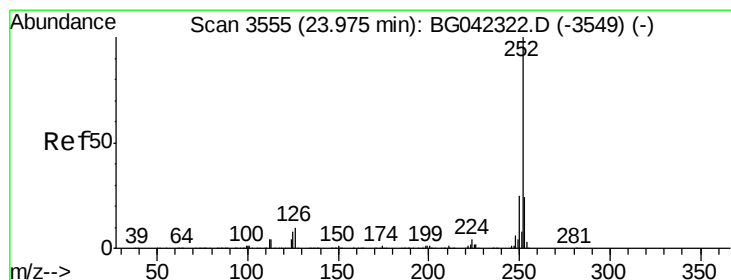
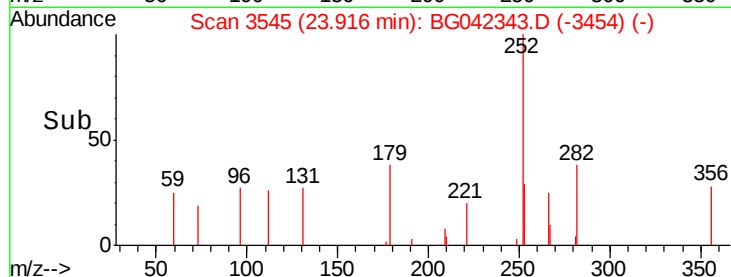
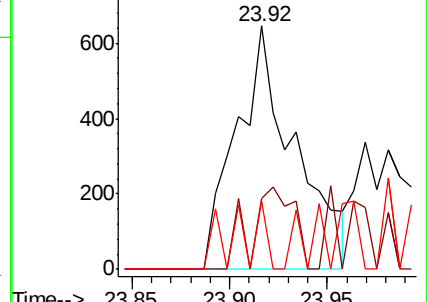
125 28.3 5.8 8.6#



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: 0.004 ng

RT: 23.97 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BG042343.D

Acq: 20 Aug 2019 1:38

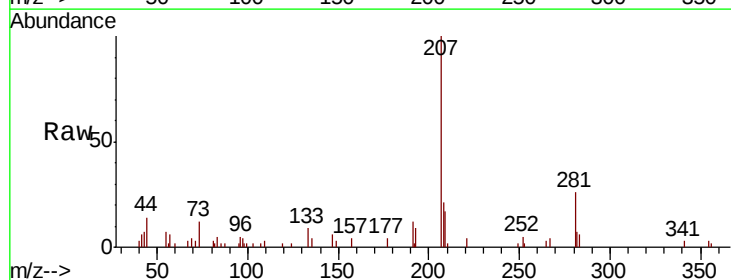
Tgt Ion:252 Resp: 105

Ion Ratio Lower Upper

252 100

253 48.7 19.0 28.4#

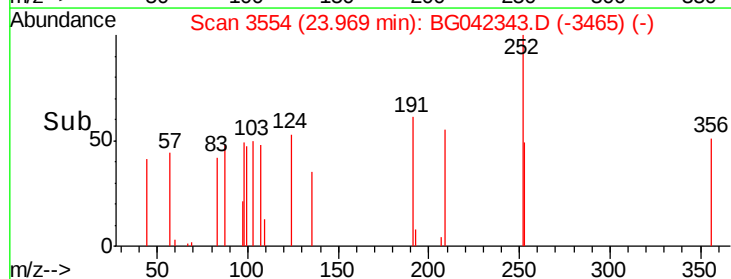
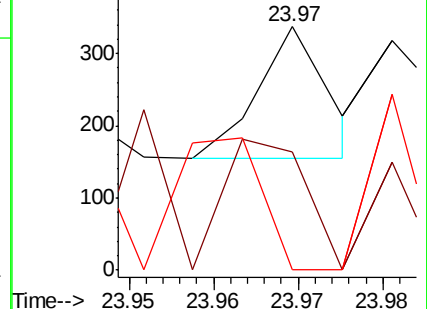
125 0.0 6.0 9.0#

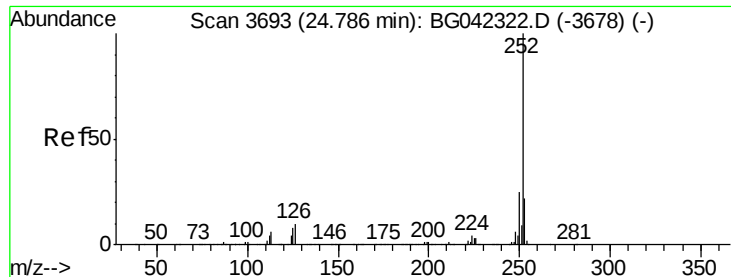


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

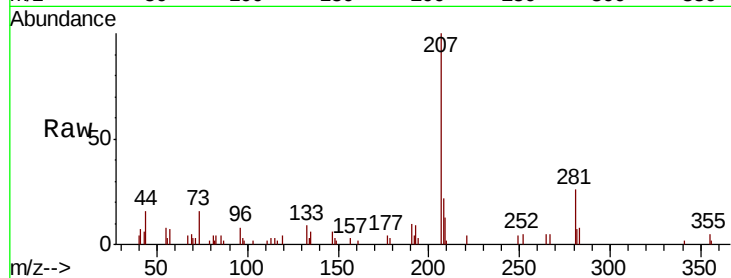




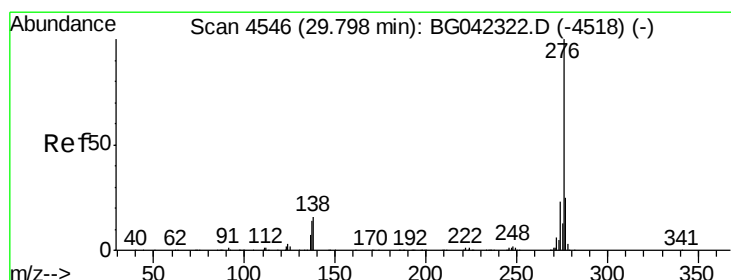
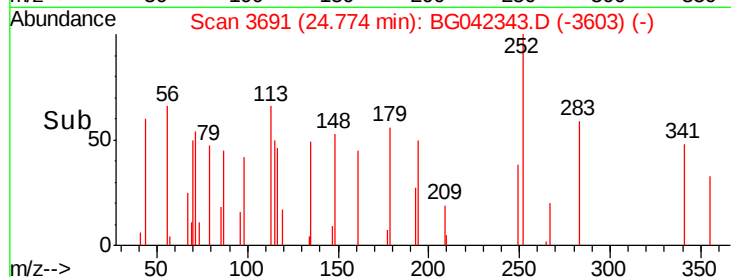
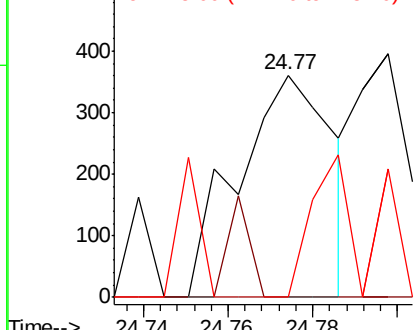
#90
Benzo(a)pyrene
Concen: 0.021 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 562
Ion Ratio Lower Upper
252 100
253 0.0 17.9 26.9#
125 0.0 6.7 10.1#

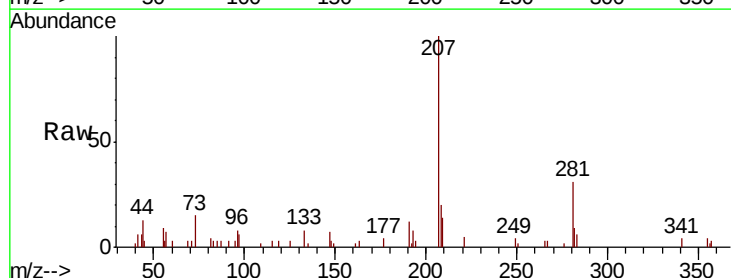


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 0.004 ng
RT: 29.82 min Scan# 4550
Delta R.T. 0.02 min
Lab File: BG042343.D
Acq: 20 Aug 2019 1:38

Tgt Ion:276 Resp: 116
Ion Ratio Lower Upper
276 100
277 0.0 19.8 29.8#
138 0.0 12.8 19.2#



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

