

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013120\
 Data File : BG044259.D
 Acq On : 31 Jan 2020 14:31
 Operator : CG/JU
 Sample : PB126492BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 23:29:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	77210	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	332924	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	241242	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	546126	20.00	ng	0.00
76) Chrysene-d12	21.55	240	482356	20.00	ng	0.00
87) Perylene-d12	24.64	264	493794	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	803797	183.73	ng	0.00
7) Phenol-d6	7.09	99	1070843	182.28	ng	0.00
23) Nitrobenzene-d5	9.07	82	649660	110.17	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	467424	165.05	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1559437	108.25	ng	0.00
79) Terphenyl-d14	19.91	244	2388780	101.86	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	143	0.073	ng	# 1
3) Pyridine	3.45	79	58	0.011	ng	# 1
4) n-Nitrosodimethylamine	3.69	42	250	0.114	ng	# 1
9) Benzaldehyde	7.09	77	1676	0.501	ng	# 1
15) Benzyl Alcohol	8.24	79	10363	2.492	ng	# 43
19) n-Nitroso-di-n-propylamine	9.07	70	85168	21.753	ng	# 76
24) Nitrobenzene	9.07	77	2112	0.367	ng	# 34
25) Isophorone	9.61	82	192	0.017	ng	# 64
46) 1,1'-Biphenyl	13.38	154	4031	0.232	ng	# 90
48) 2-Nitroaniline	13.17	65	2701	0.661	ng	# 1
49) Acenaphthylene	14.28	152	53	0.003	ng	# 58
51) 2,6-Dinitrotoluene	14.55	165	30368	7.854	ng	# 30
52) Acenaphthene	14.55	154	628	0.048	ng	# 5
53) 3-Nitroaniline	14.34	138	53	0.012	ng	# 1
57) 2,4-Dinitrotoluene	14.55	165	30368	5.604	ng	# 28
58) Fluorene	16.04	166	20402	1.300	ng	# 88
63) Azobenzene	16.04	77	2389	0.158	ng	# 8
65) 4,6-Dinitro-2-methylphenol	16.05	198	1567	0.520	ng	# 2
66) n-Nitrosodiphenylamine	16.04	169	17015	1.112	ng	# 48
67) 4-Bromophenyl-phenylether	16.04	248	32457	5.455	ng	# 1
71) Phenanthrene	17.29	178	140	0.005	ng	# 57
72) Anthracene	17.29	178	140	0.005	ng	# 57
73) Carbazole	17.30	167	70	0.003	ng	# 14
74) Di-n-butylphthalate	18.28	149	94	0.003	ng	# 75
77) Benzidine	19.91	184	43019	3.215	ng	# 91
78) Pyrene	19.92	202	10024	0.324	ng	# 69
80) Butylbenzylphthalate	20.60	149	211	0.015	ng	# 25
81) Benzo(a)anthracene	21.54	228	1678	0.056	ng	# 55
82) 3,3'-Dichlorobenzidine	21.47	252	111	0.010	ng	# 25
83) Chrysene	21.60	228	391	0.014	ng	# 44
84) Bis(2-ethylhexyl)phthalate	21.45	149	483	0.025	ng	# 50
85) Di-n-octyl phthalate	22.62	149	1245	0.037	ng	# 52
88) Benzo(b)fluoranthene	23.67	252	612	0.022	ng	# 58
89) Benzo(k)fluoranthene	23.73	252	844	0.030	ng	# 58

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Misc :
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ClientSampleId :

Quant Time: Jan 31 23:29:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 30 16:05:09 2020
Response via : Initial Calibration

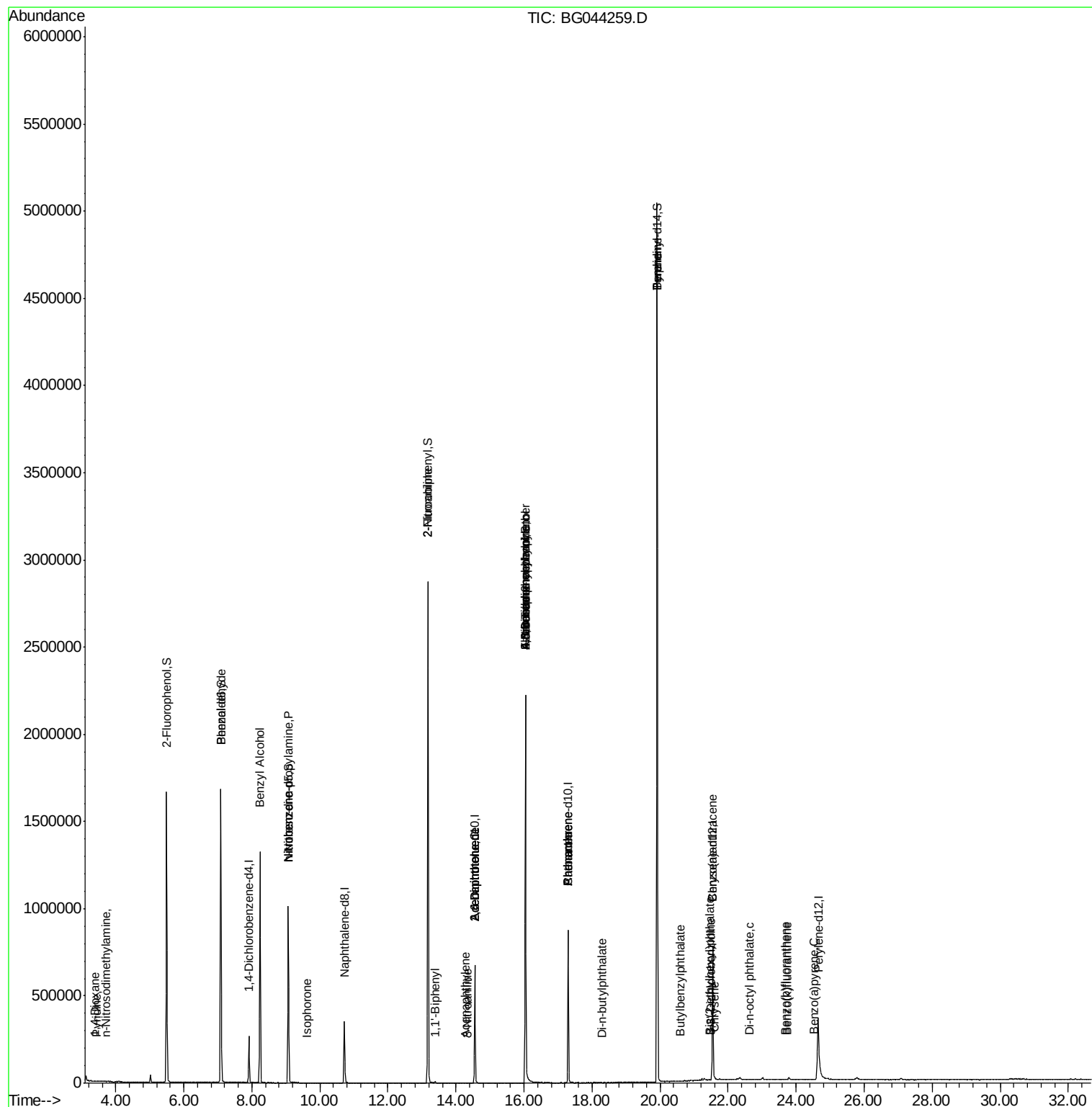
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	24.51	252	422	0.016	ng	# 31

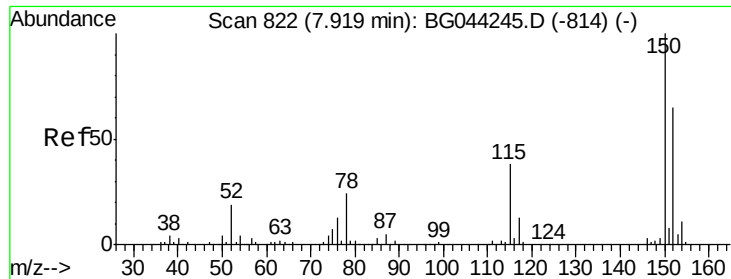
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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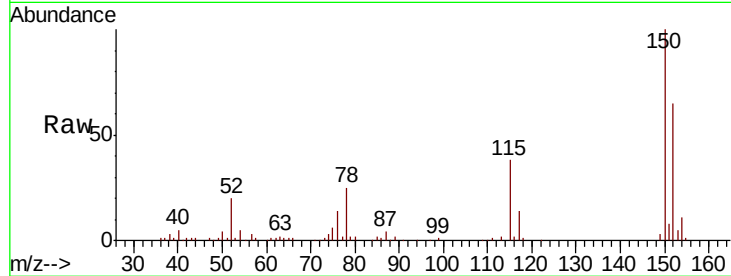


#1

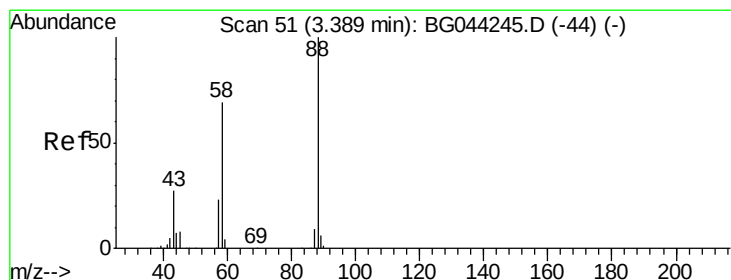
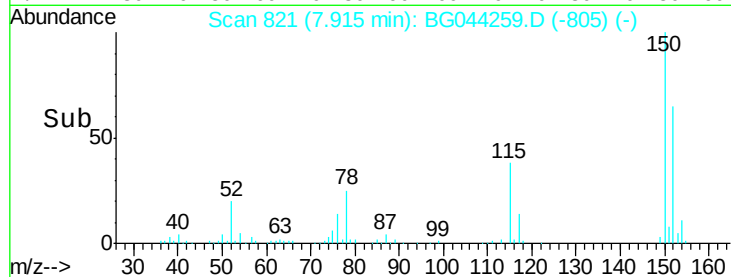
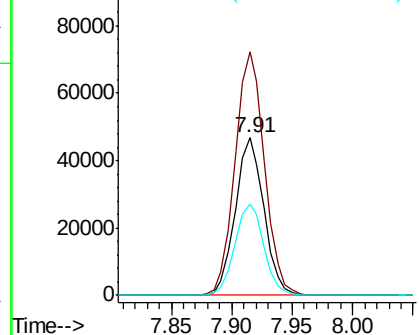
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.00 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 77210
Ion Ratio Lower Upper
152 100
150 154.6 122.6 183.8
115 58.0 46.0 69.0



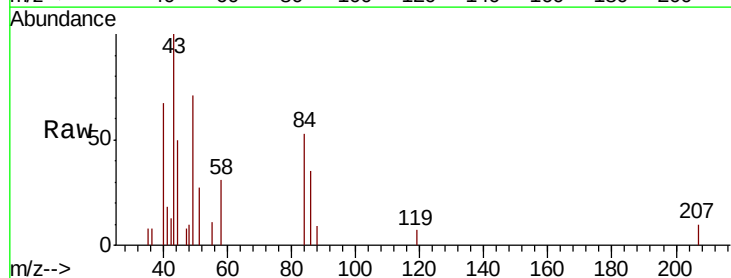
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



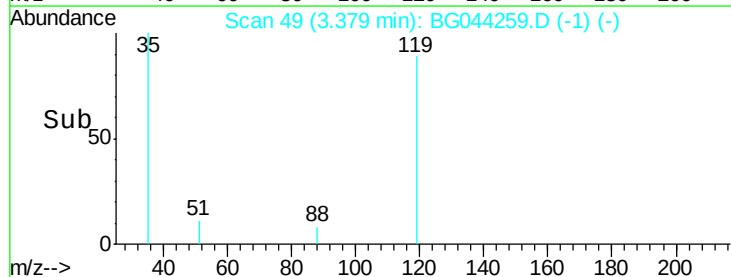
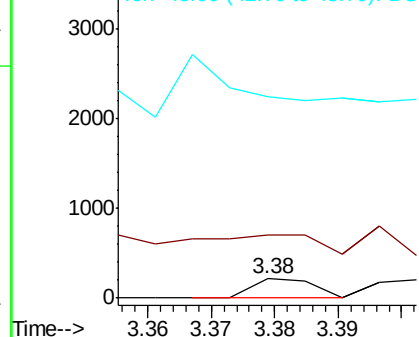
#2

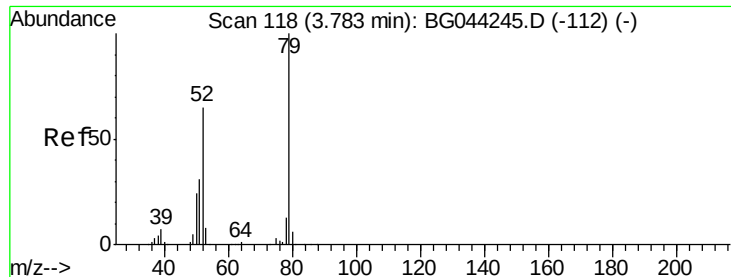
1,4-Dioxane
Concen: 0.073 ng
RT: 3.38 min Scan# 49
Delta R.T. -0.01 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
58 0.0 55.8 83.6#
43 597.2 21.6 32.4#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.011 ng

RT: 3.45 min Scan# 61

Delta R.T. -0.33 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

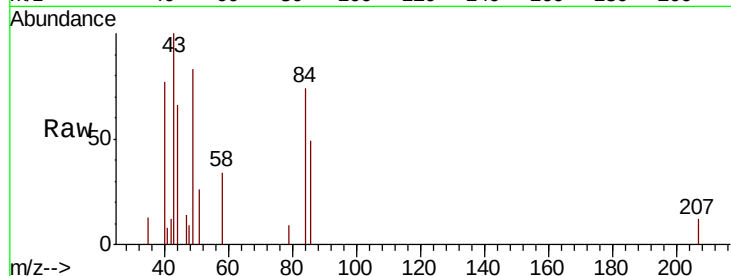
Tot Ion: 79 Resp: 58

Ion Ratio Lower Upper

79 100

52 0.0 51.9 77.9#

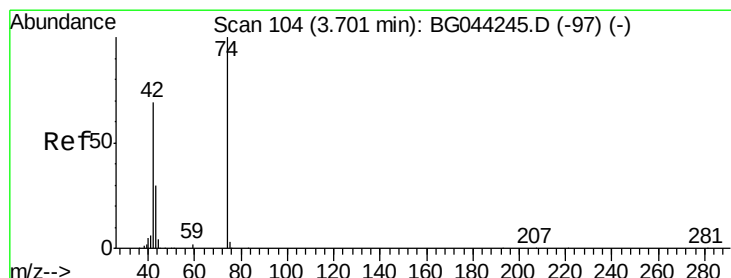
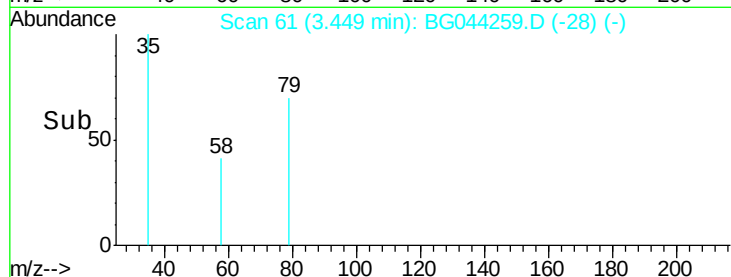
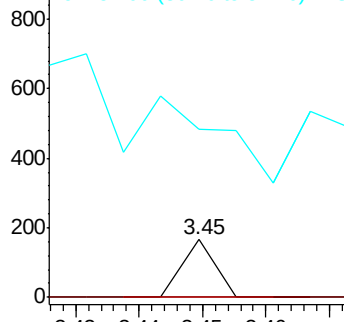
51 293.9 25.3 37.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.114 ng

RT: 3.69 min Scan# 102

Delta R.T. -0.01 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

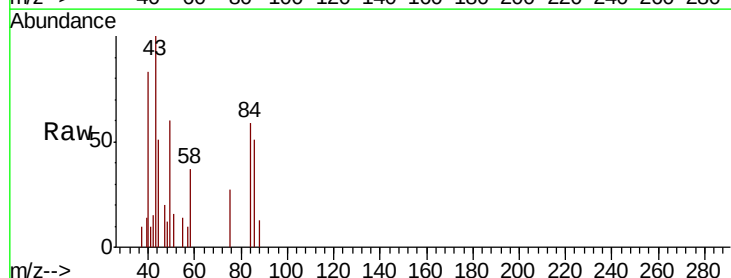
Tgt Ion: 42 Resp: 250

Ion Ratio Lower Upper

42 100

74 0.0 115.1 172.7#

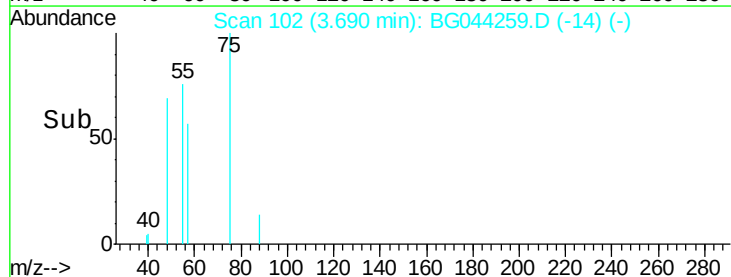
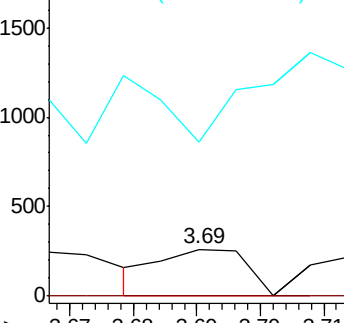
44 330.4 5.6 8.4#

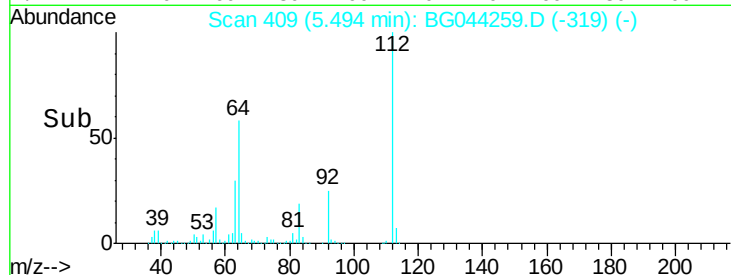
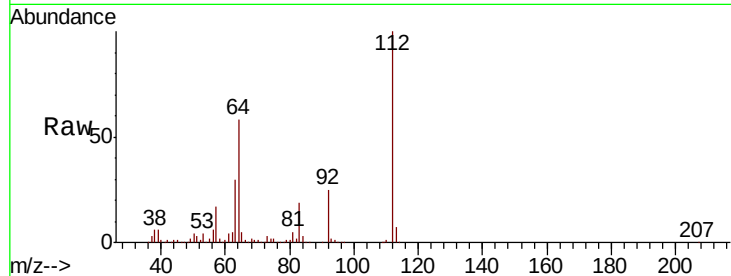
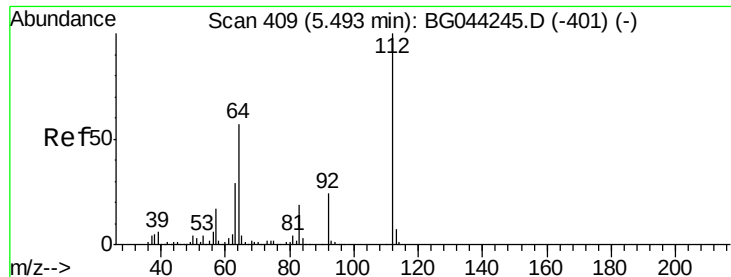


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 183.729 ng

RT: 5.49 min Scan# 409

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:112 Resp: 803797

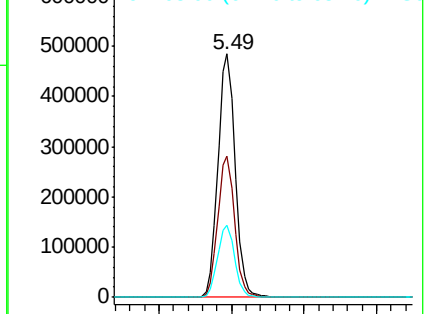
Ion Ratio Lower Upper

112 100

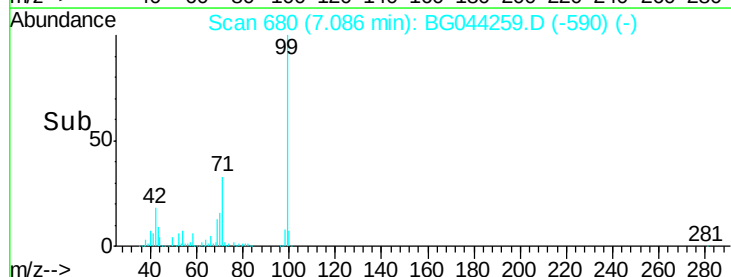
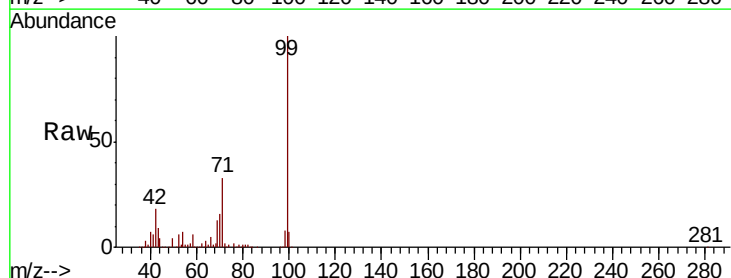
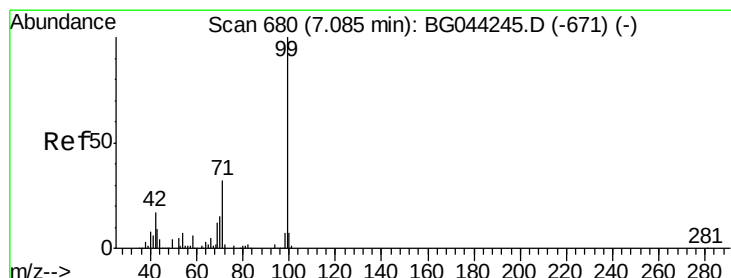
64 58.1 45.4 68.2

63 29.8 22.9 34.3

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



Time-->



#7

Phenol-d6

Concen: 182.277 ng

RT: 7.09 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Tgt Ion: 99 Resp: 1070843

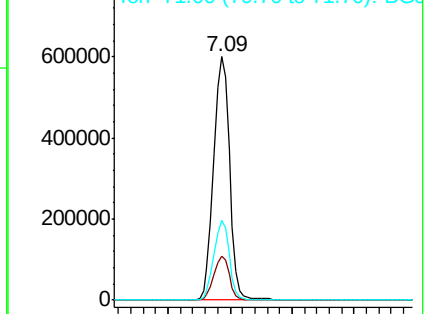
Ion Ratio Lower Upper

99 100

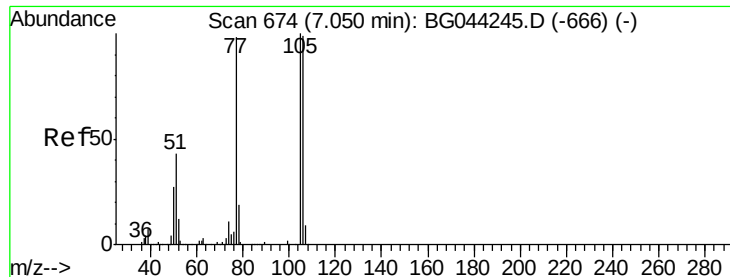
42 17.8 13.8 20.6

71 32.5 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



Time-->



#9

Benzaldehyde

Concen: 0.501 ng

RT: 7.09 min Scan# 680

Delta R.T. 0.04 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

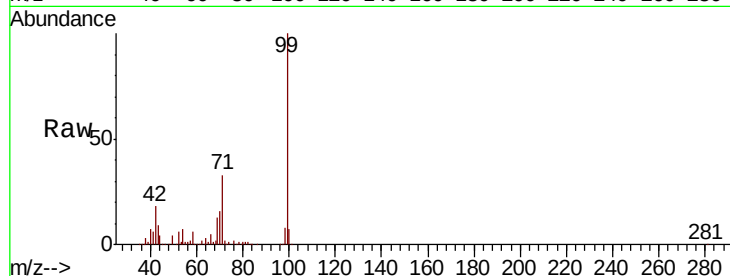
Tot Ion: 77 Resp: 1676

Ion Ratio Lower Upper

77 100

105 0.0 82.0 122.0#

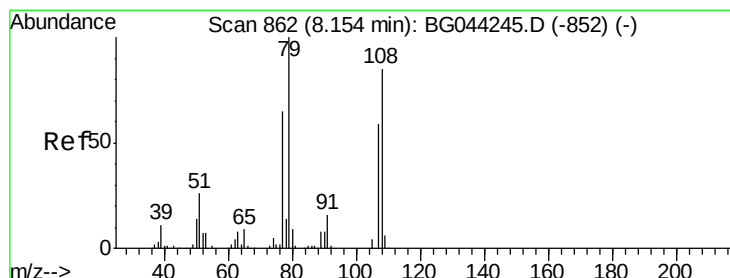
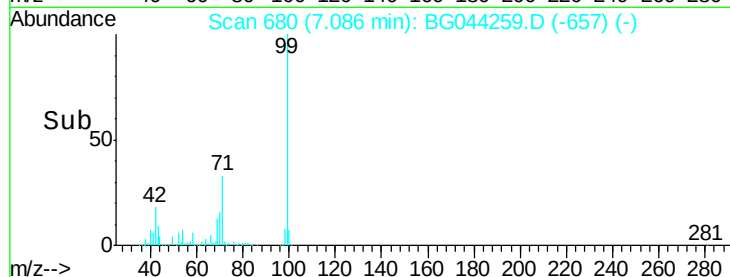
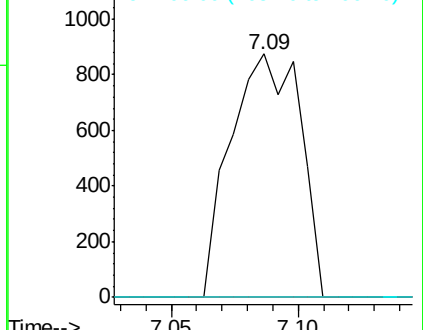
106 0.0 80.7 120.7#



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



#15

Benzyl Alcohol

Concen: 2.492 ng

RT: 8.24 min Scan# 876

Delta R.T. 0.08 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

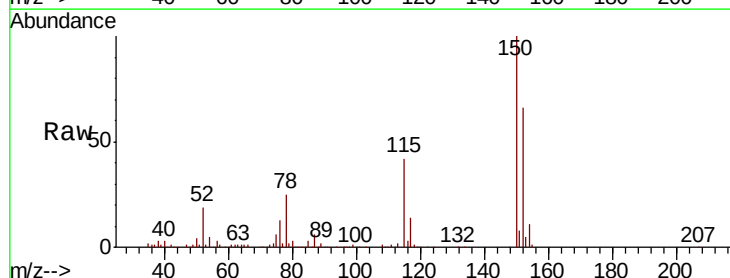
Tgt Ion: 79 Resp: 10363

Ion Ratio Lower Upper

79 100

108 34.3 68.3 102.5#

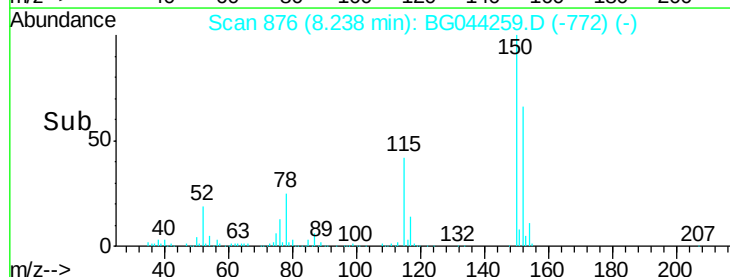
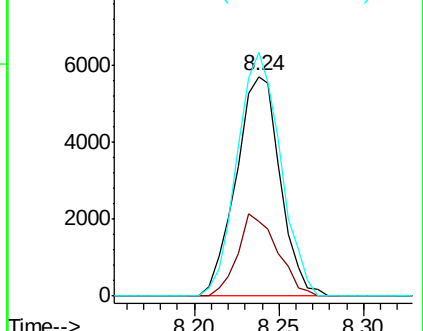
77 111.0 51.8 77.8#

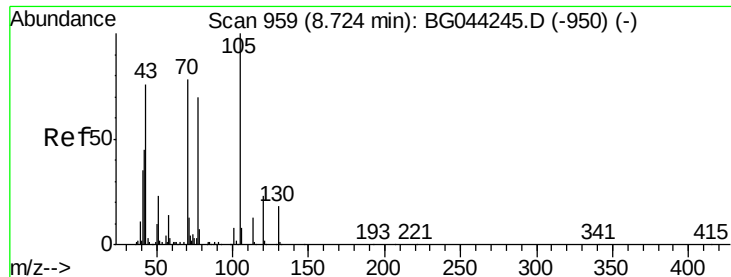


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

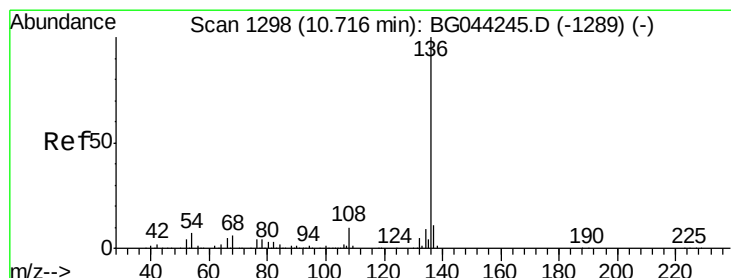
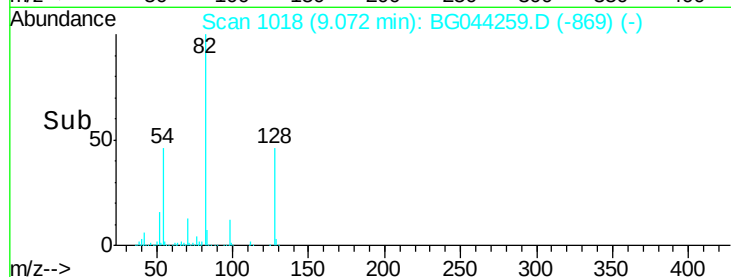
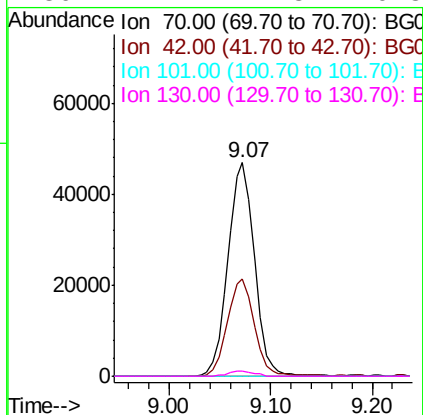
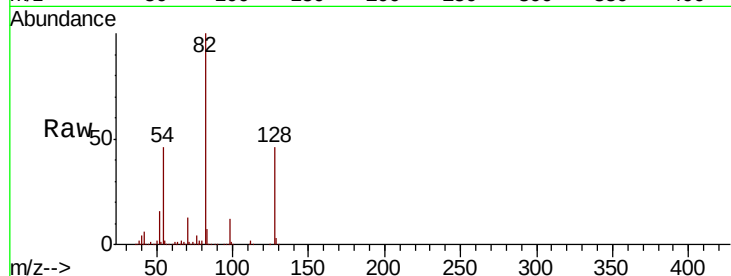




#19
n-Nitroso-di-n-propylamine
Concen: 21.753 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

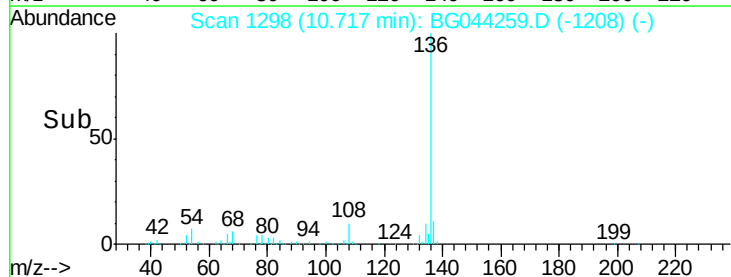
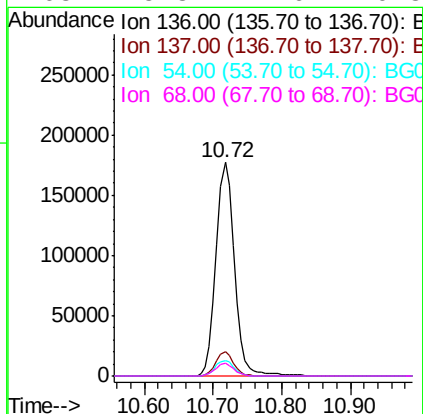
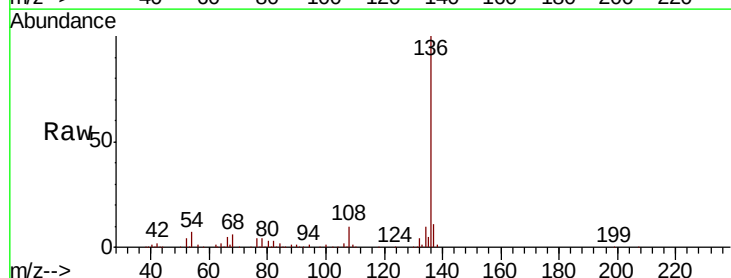
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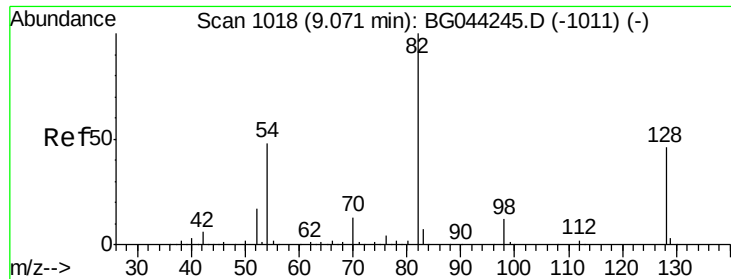
Tot Ion: 70 Resp: 85168
Ion Ratio Lower Upper
70 100
42 45.5 46.2 69.2#
101 0.0 8.4 12.6#
130 2.2 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Tgt Ion: 136 Resp: 332924
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.0 5.8 8.8
68 5.8 4.6 6.8

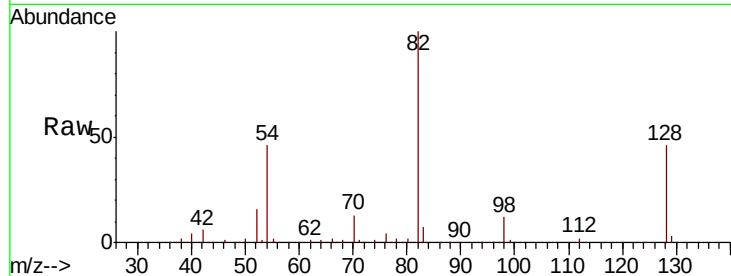




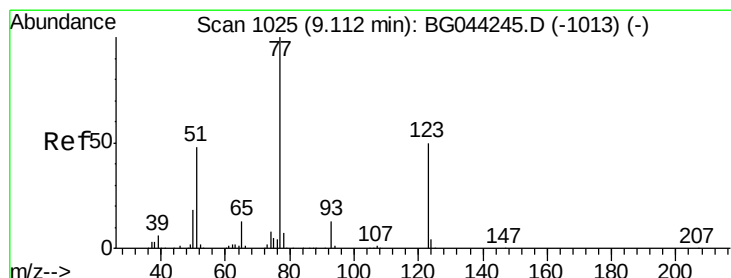
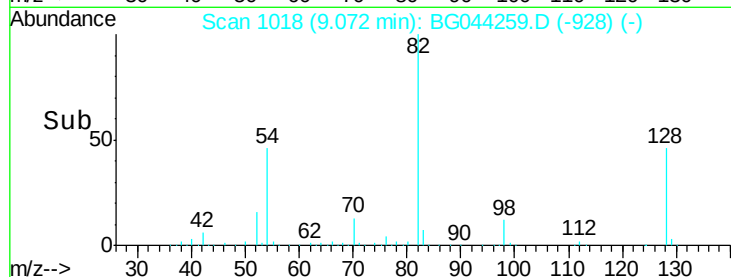
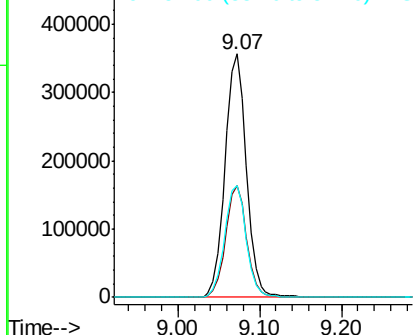
#23
Nitrobenzene-d5
Concen: 110.167 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	649660
Ion Ratio	100	Lower	Upper
128	45.9	36.5	54.7
54	46.1	38.6	58.0

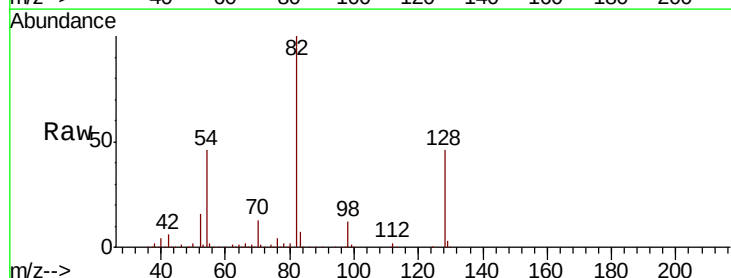


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

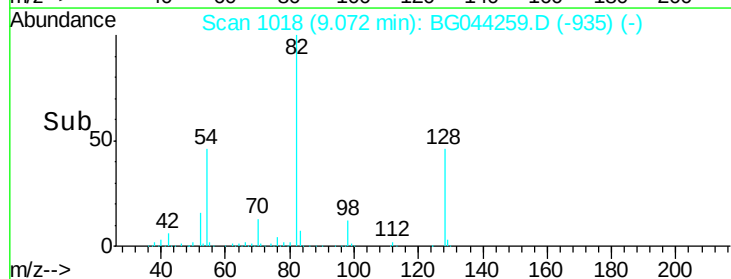
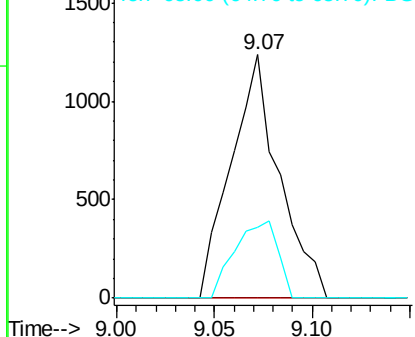


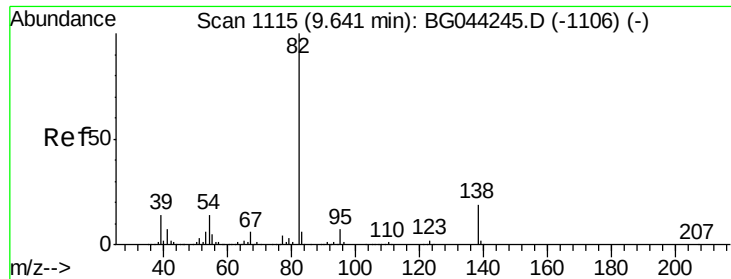
#24
Nitrobenzene
Concen: 0.367 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.04 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Tgt Ion	77	Resp	2112
Ion Ratio	100	Lower	Upper
123	0.0	39.9	59.9#
65	29.2	10.4	15.6#



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: 0.017 ng

RT: 9.61 min Scan# 1109

Delta R.T. -0.03 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

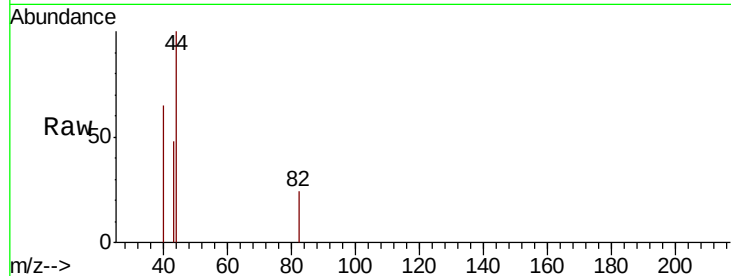
Tot Ion: 82 Resp: 192

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

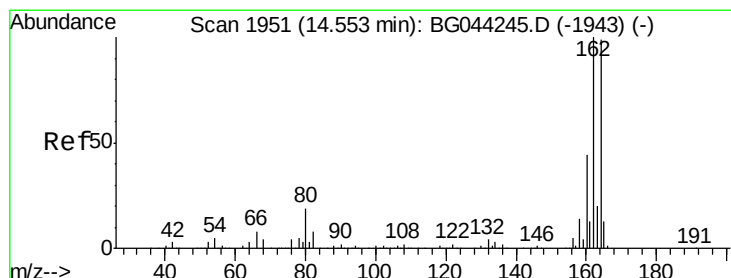
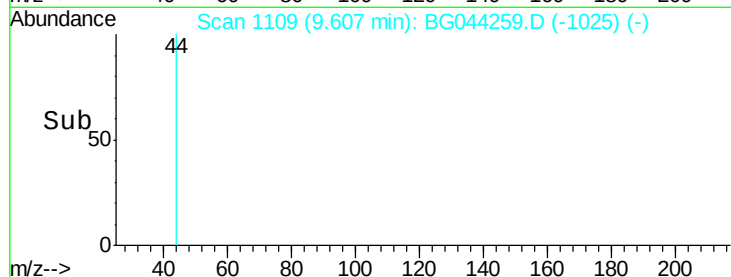
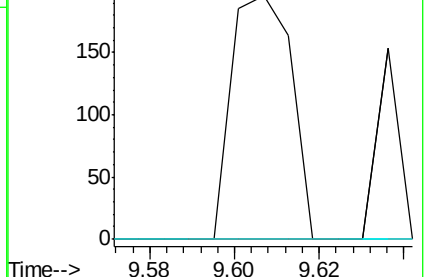
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BG044245.D (-1106) (-)

Ion 95.00 (94.70 to 95.70): BG044245.D (-1106) (-)

Ion 138.00 (137.70 to 138.70): BG044245.D (-1106) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

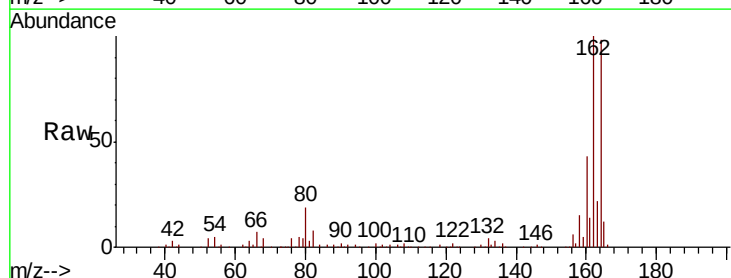
Tgt Ion: 164 Resp: 241242

Ion Ratio Lower Upper

164 100

162 102.3 80.7 121.1

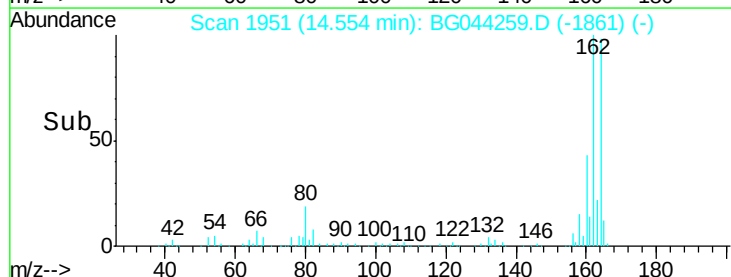
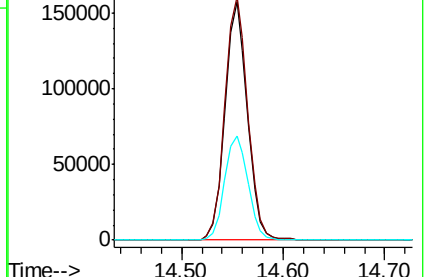
160 43.8 35.3 52.9

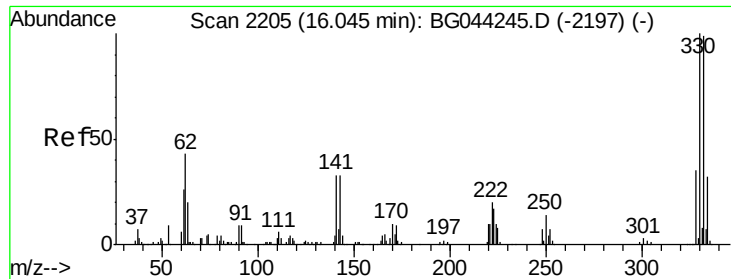


Abundance Ion 164.00 (163.70 to 164.70): BG044245.D (-1943) (-)

Ion 162.00 (161.70 to 162.70): BG044245.D (-1943) (-)

Ion 160.00 (159.70 to 160.70): BG044245.D (-1943) (-)





#42

2,4,6-Tribromophenol

Concen: 165.048 ng

RT: 16.05 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

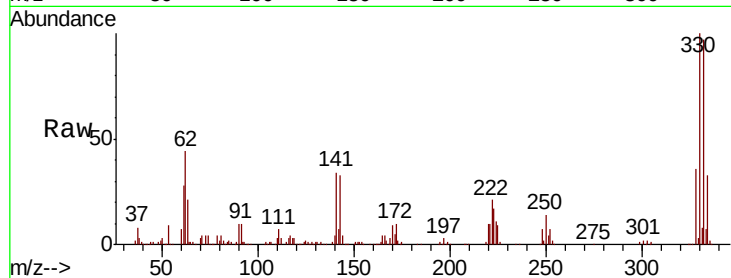
Tot Ion:330 Resp: 467424

Ion Ratio Lower Upper

330 100

332 95.2 77.2 115.8

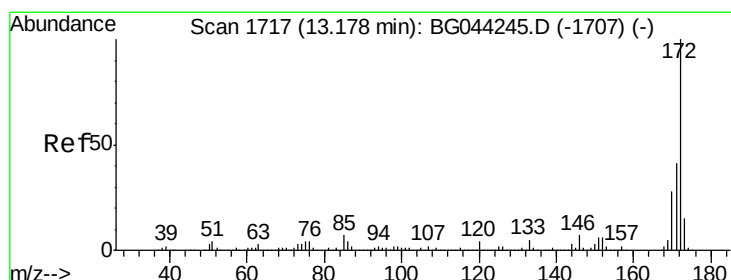
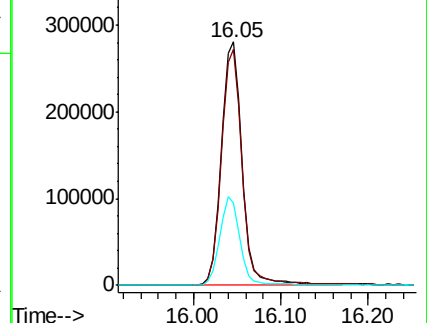
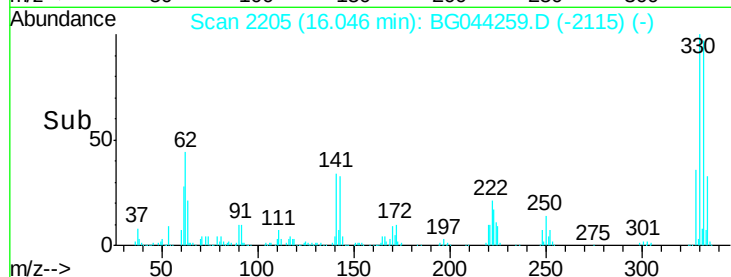
141 35.9 28.3 42.5



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: 108.247 ng

RT: 13.18 min Scan# 1717

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

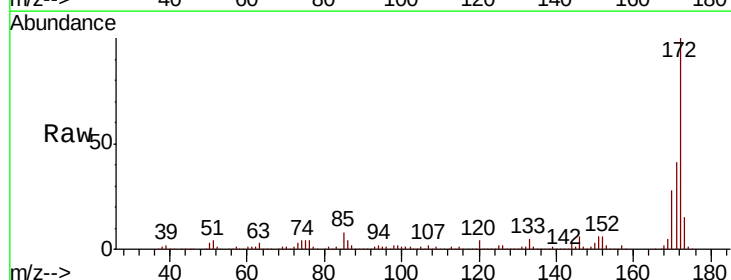
Tgt Ion:172 Resp: 1559437

Ion Ratio Lower Upper

172 100

171 40.6 32.9 49.3

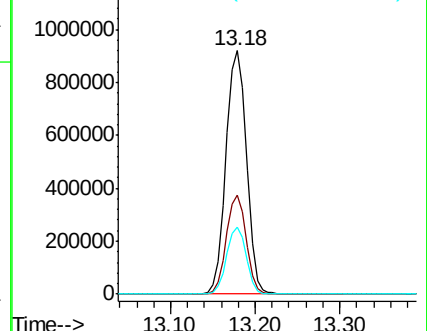
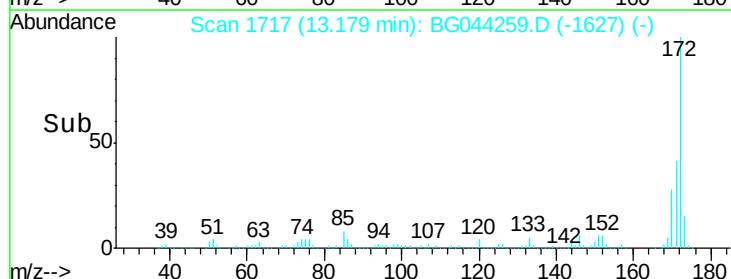
170 27.7 22.0 33.0

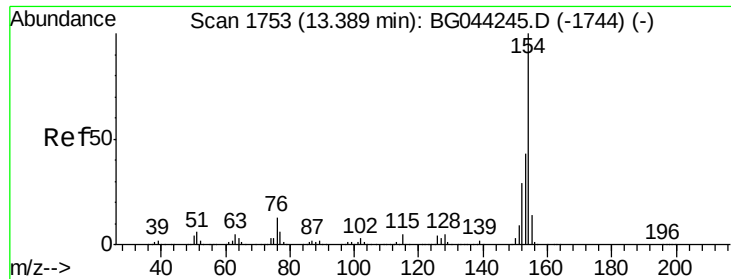


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

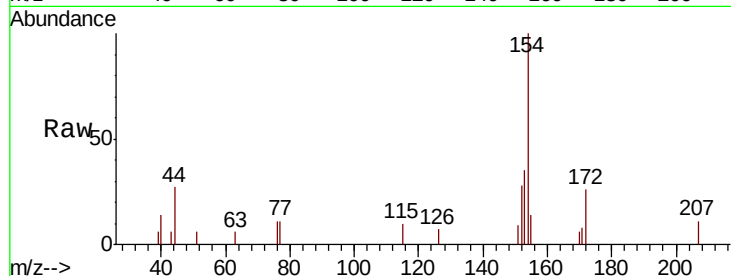




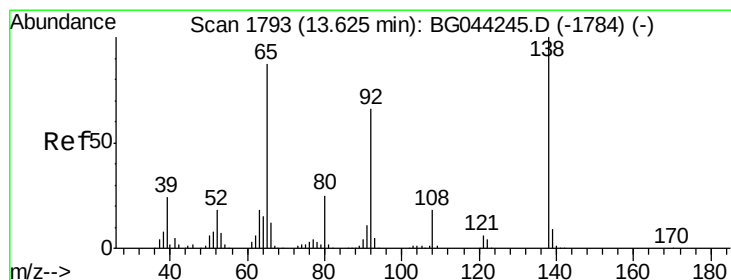
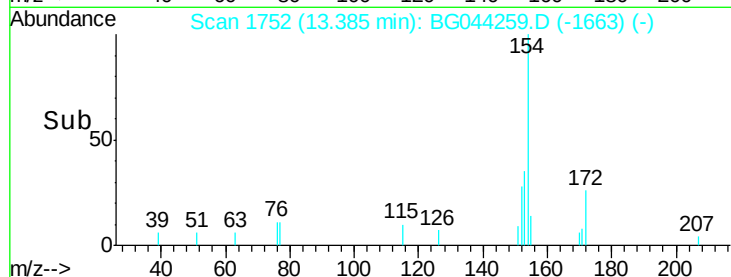
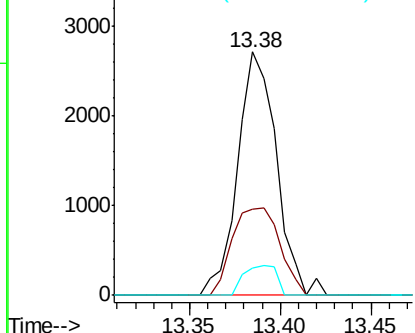
#46
 1,1'-Biphenyl
 Concen: 0.232 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: BG044259.D
 Acq: 31 Jan 2020 14:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	35.4	22.7	62.7
76	11.0	0.0	32.9

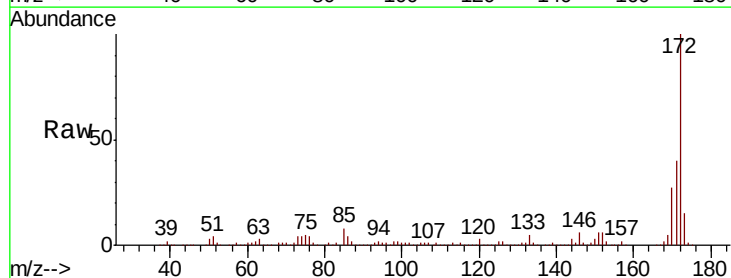


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

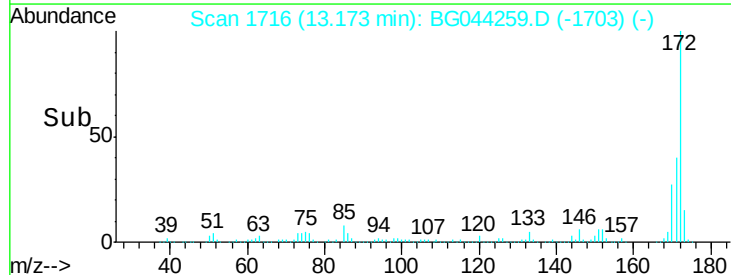
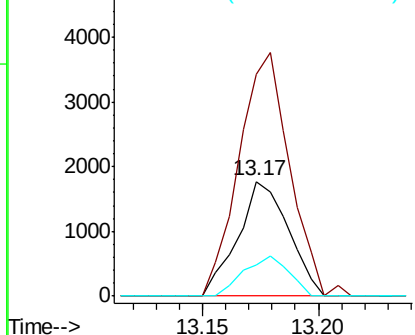


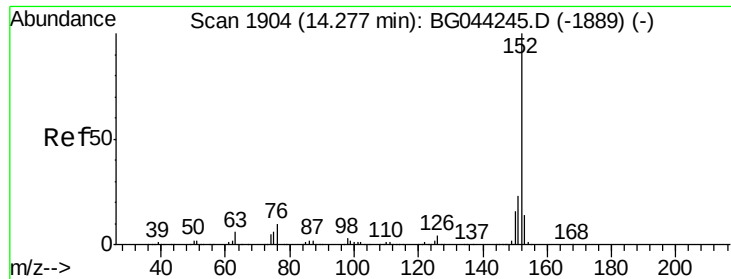
#48
 2-Nitroaniline
 Concen: 0.661 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.45 min
 Lab File: BG044259.D
 Acq: 31 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
65	100		
92	193.3	60.3	90.5#
138	26.9	91.9	137.9#



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





#49

Acenaphthylene

Concen: 0.003 ng

RT: 14.28 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

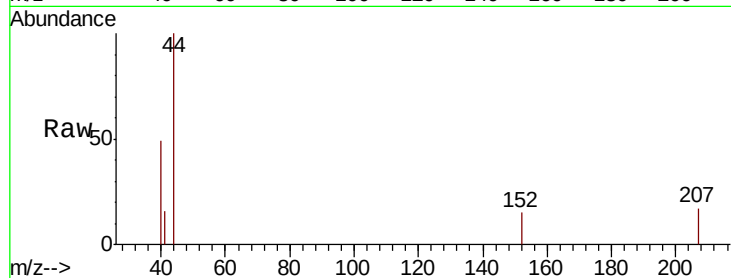
Tot Ion:152 Resp: 53

Ion Ratio Lower Upper

152 100

151 0.0 18.1 27.1#

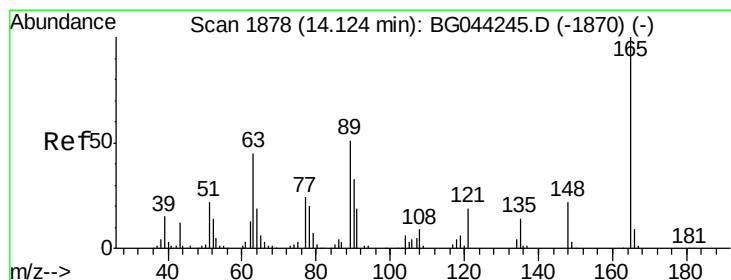
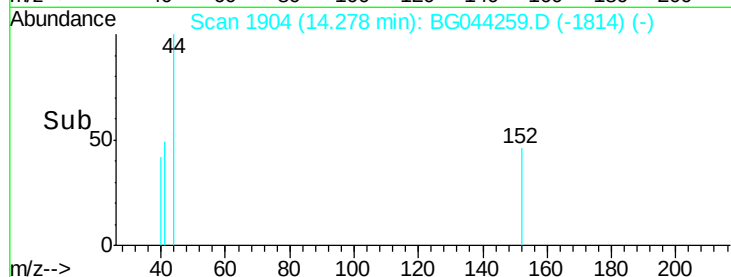
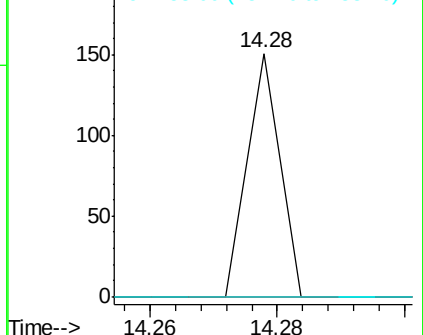
153 0.0 11.5 17.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

2,6-Dinitrotoluene

Concen: 7.854 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.43 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

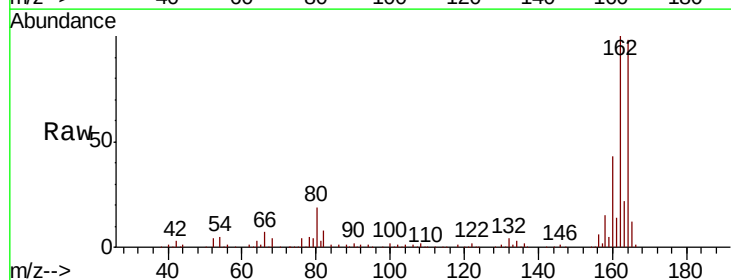
Tgt Ion:165 Resp: 30368

Ion Ratio Lower Upper

165 100

63 1.7 38.7 58.1#

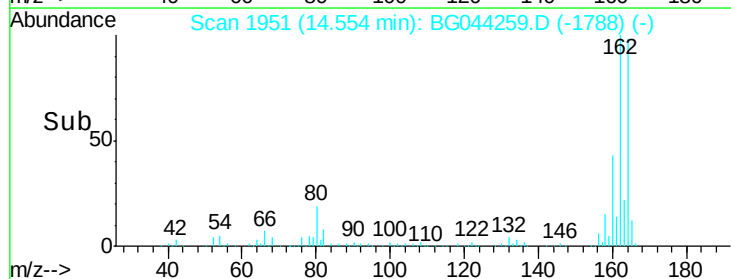
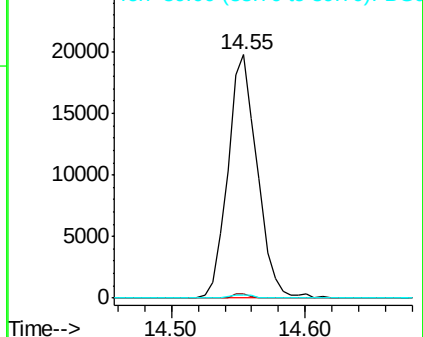
89 1.5 40.4 60.6#

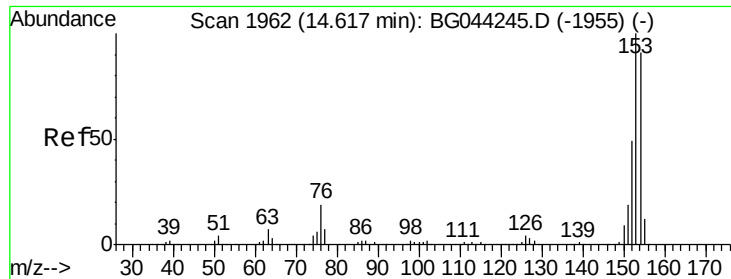


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#52

Acenaphthene

Concen: 0.048 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.06 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

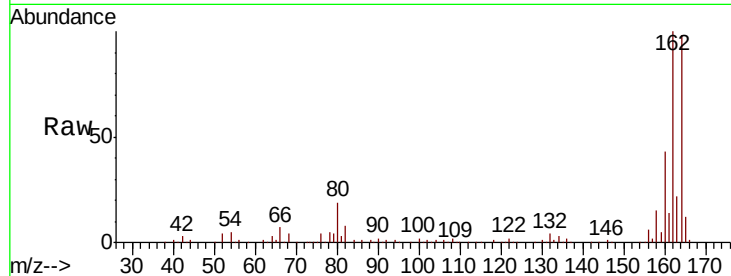
Tot Ion:154 Resp: 628

Ion Ratio Lower Upper

154 100

153 0.0 87.9 131.9#

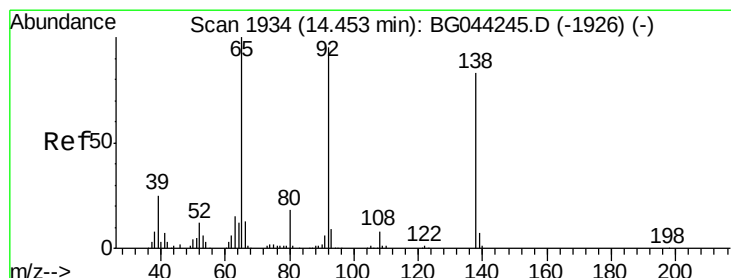
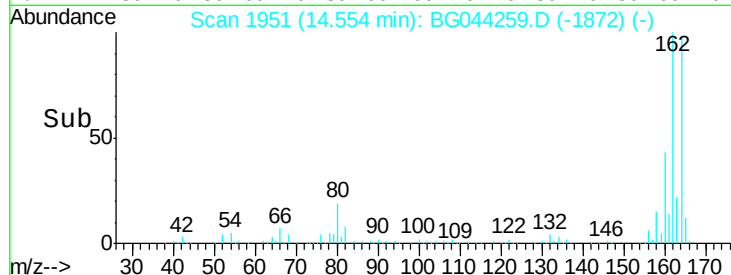
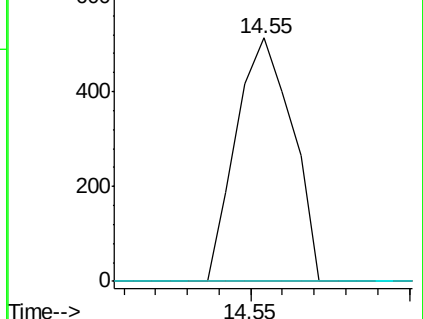
152 0.0 43.1 64.7#



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



#53

3-Nitroaniline

Concen: 0.012 ng

RT: 14.34 min Scan# 1914

Delta R.T. -0.12 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

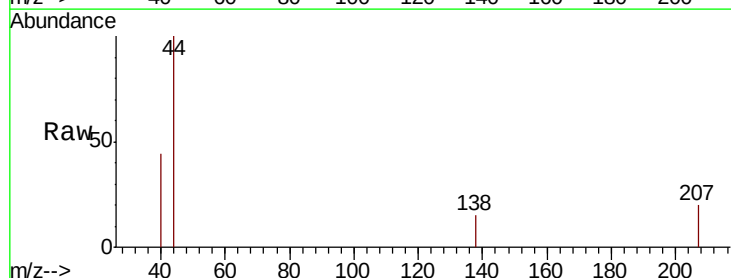
Tgt Ion:138 Resp: 53

Ion Ratio Lower Upper

138 100

108 0.0 7.9 11.9#

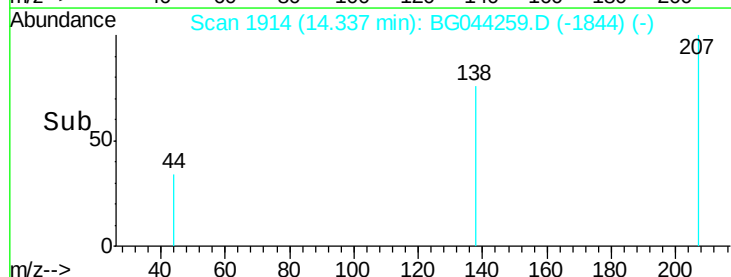
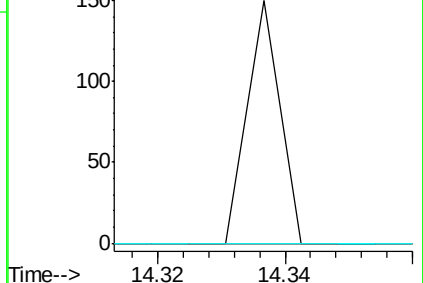
92 0.0 91.0 136.4#

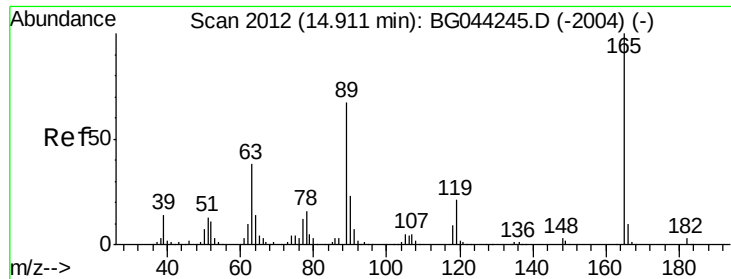


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

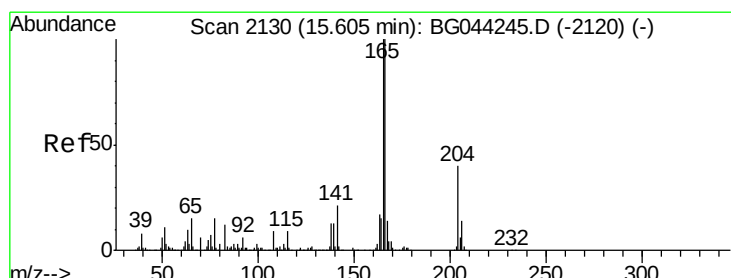
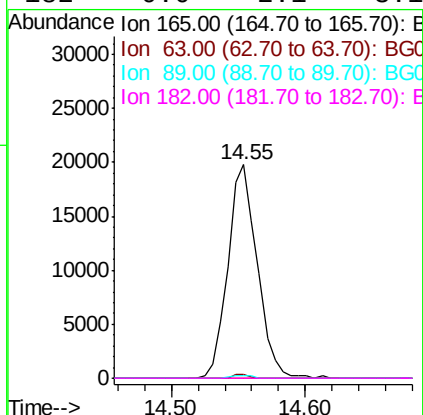
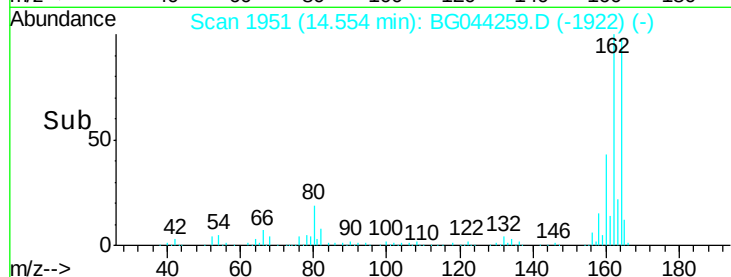
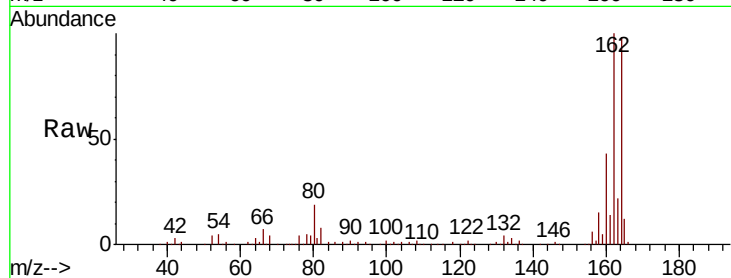




#57
2,4-Dinitrotoluene
Concen: 5.604 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.36 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

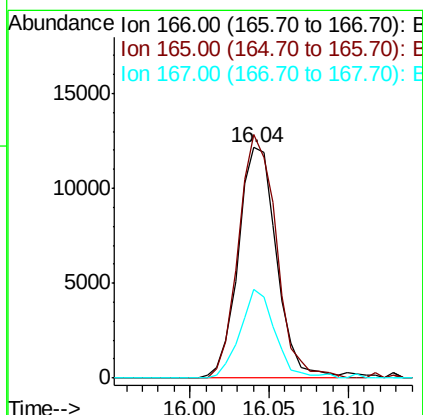
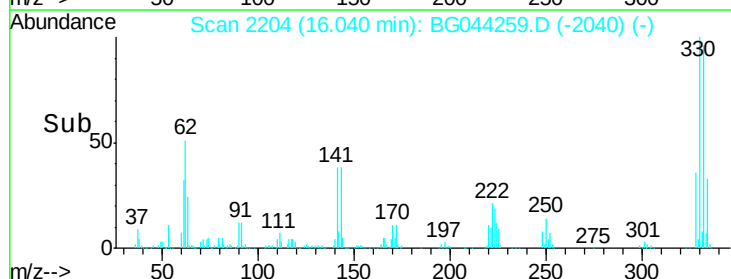
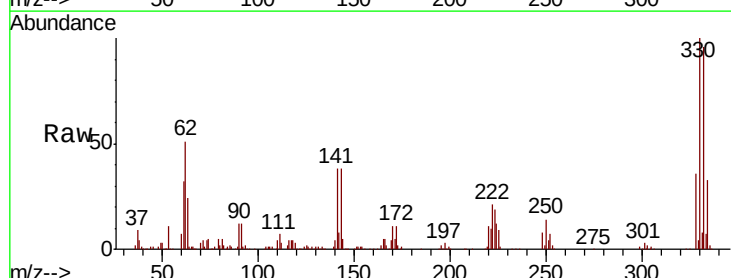
Instrument :
BNA_G
ClientSampleId :

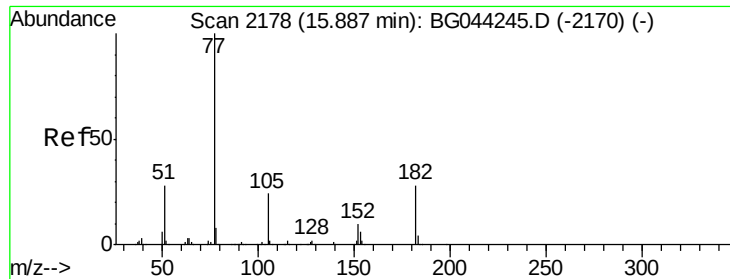
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	30.3	45.5#
89	1.5	53.4	80.2#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: 1.300 ng
RT: 16.04 min Scan# 2204
Delta R.T. 0.44 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.7	79.9	119.9
167	38.4	11.4	17.0#

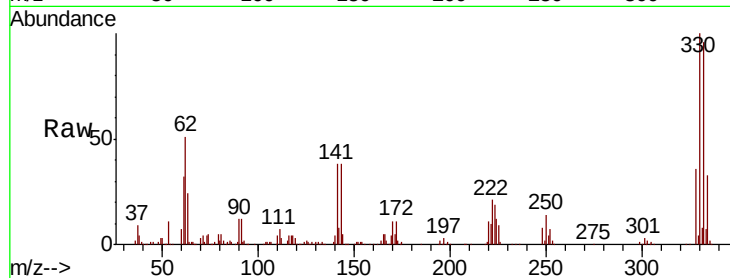




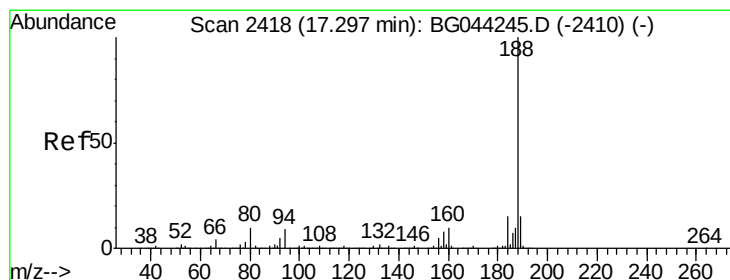
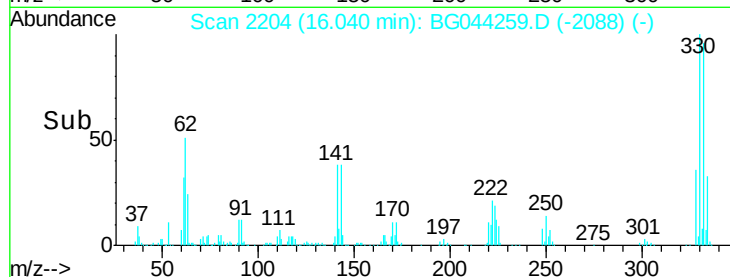
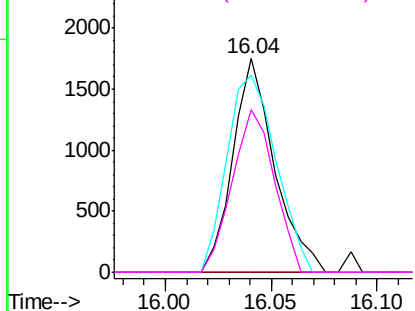
#63
Azobenzene
Concen: 0.158 ng
RT: 16.04 min Scan# 2204
Delta R.T. 0.15 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	77	Resp:	2389
Ion	Ratio	Lower	Upper
77	100		
182	0.0	8.2	48.2#
105	92.2	3.6	43.6#
51	75.8	8.3	48.3#

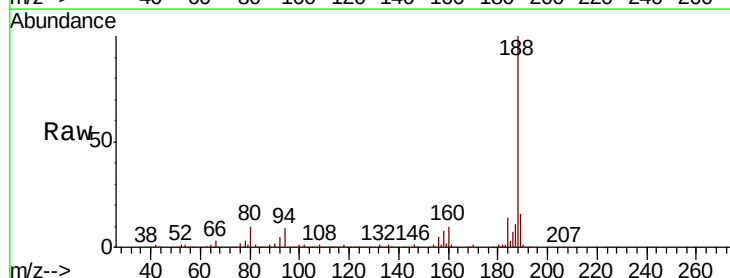


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

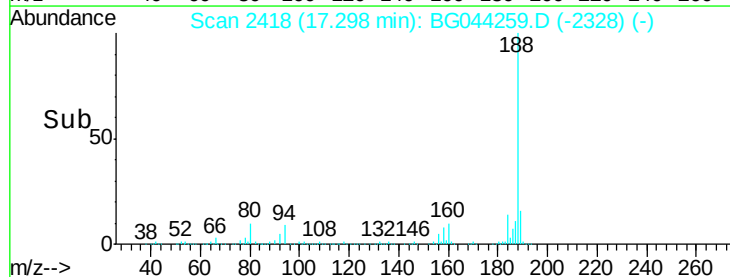
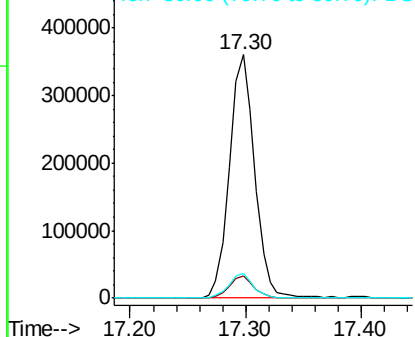


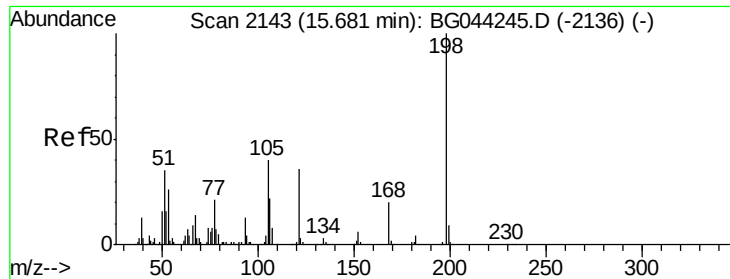
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Tgt Ion:	188	Resp:	546126
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.4	11.2
80	10.0	7.7	11.5



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: 0.520 ng

RT: 16.05 min Scan# 2205

Delta R.T. 0.37 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

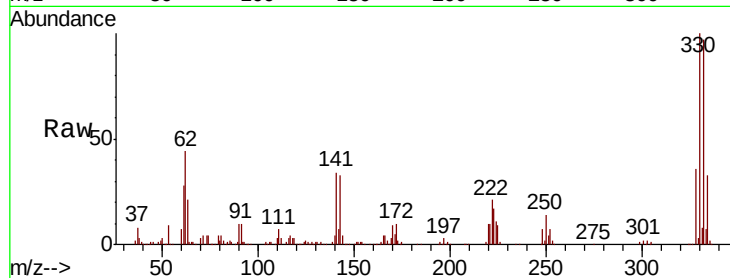
Tot Ion:198 Resp: 1567

Ion Ratio Lower Upper

198 100

51 89.1 16.6 56.6#

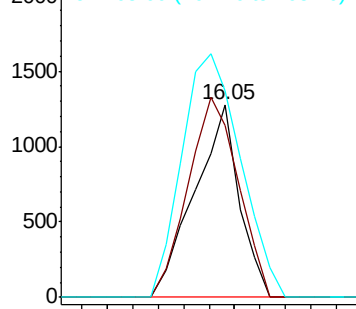
105 106.7 20.6 60.6#



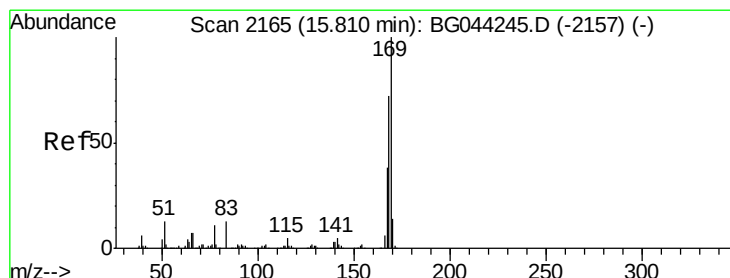
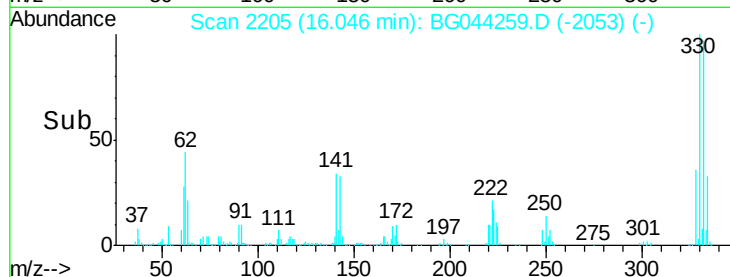
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

n-Nitrosodiphenylamine

Concen: 1.112 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.23 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

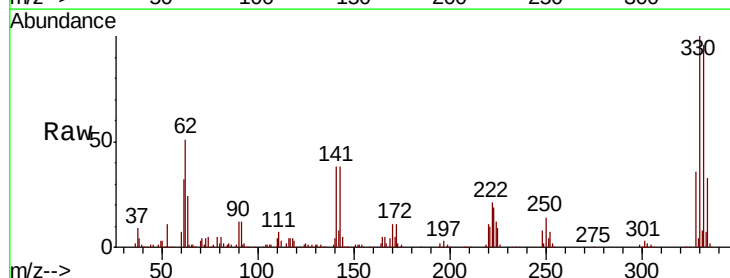
Tgt Ion:169 Resp: 17015

Ion Ratio Lower Upper

169 100

168 9.4 57.9 86.9#

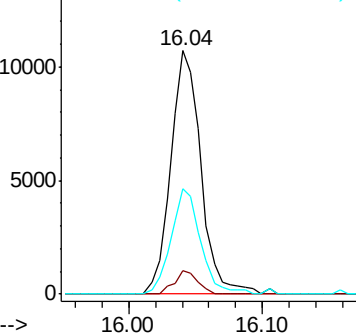
167 43.5 30.7 46.1



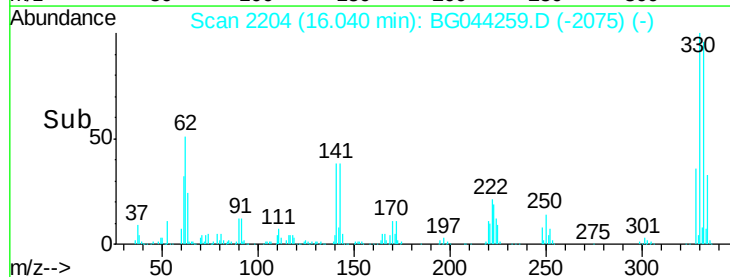
Abundance Ion 169.00 (168.70 to 169.70): E

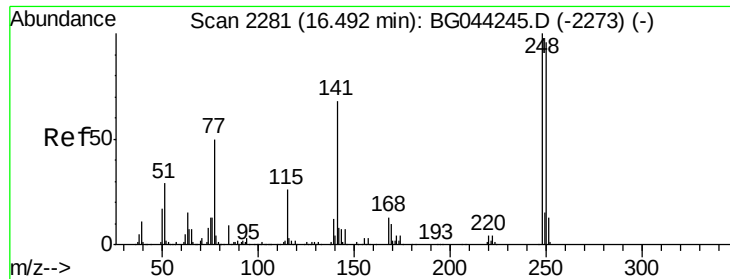
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

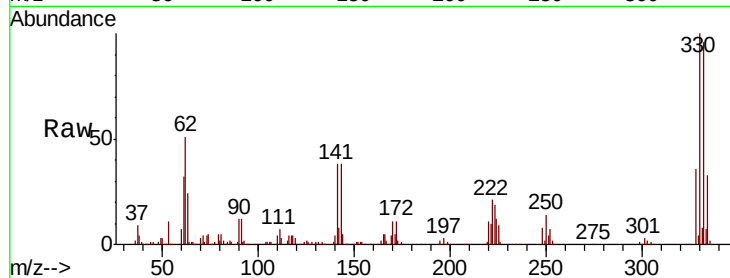




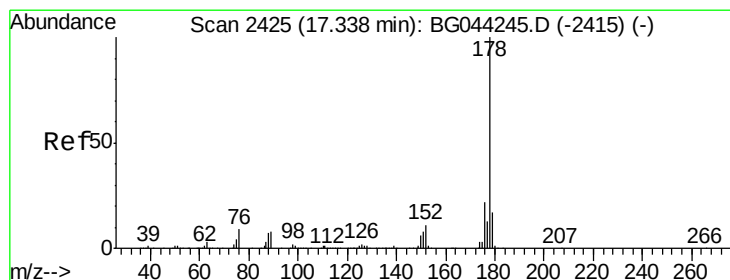
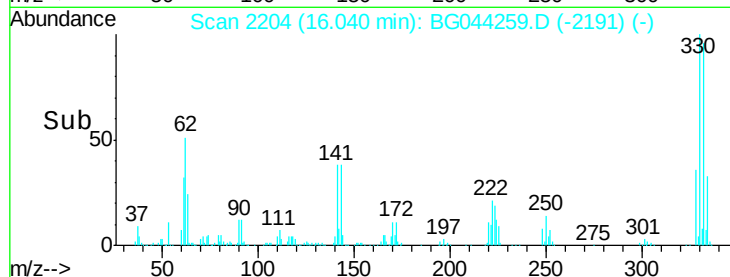
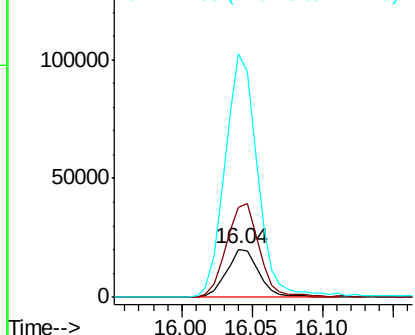
#67
4-Bromophenyl-phenylether
Concen: 5.455 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.45 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 32457
Ion Ratio Lower Upper
248 100
250 186.8 76.6 114.8#
141 506.9 54.7 82.1#

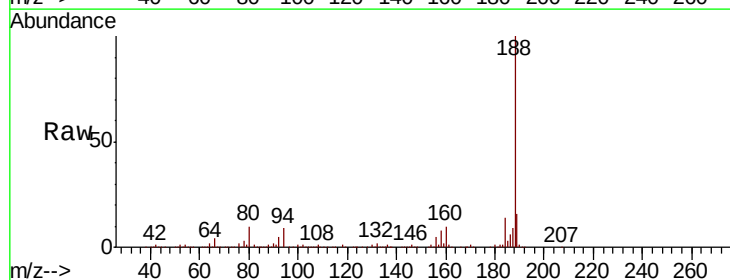


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

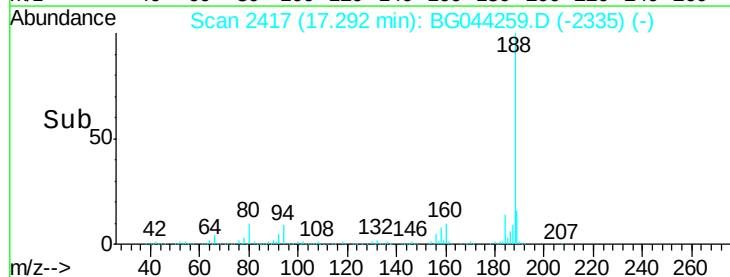
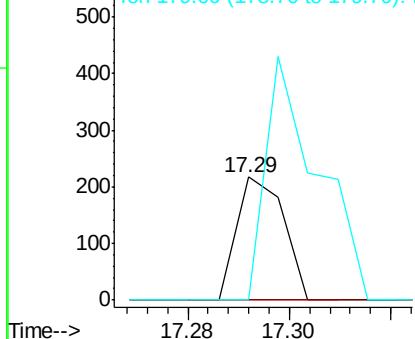


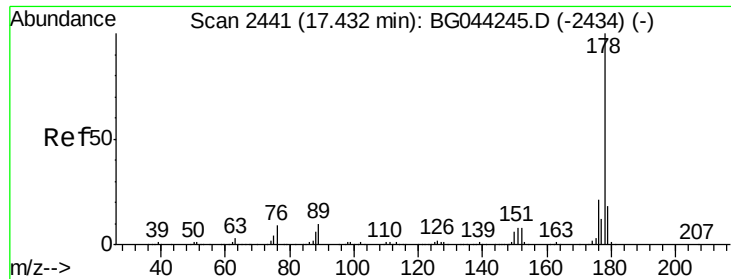
#71
Phenanthrene
Concen: 0.005 ng
RT: 17.29 min Scan# 2417
Delta R.T. -0.05 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Tgt Ion:178 Resp: 140
Ion Ratio Lower Upper
178 100
176 0.0 17.7 26.5#
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: 0.005 ng

RT: 17.29 min Scan# 2417

Delta R.T. -0.14 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampled :

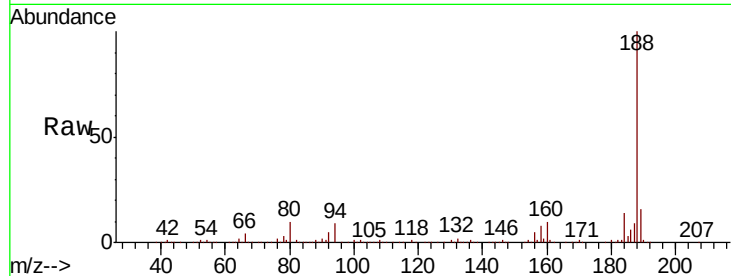
Tot Ion:178 Resp: 140

Ion Ratio Lower Upper

178 100

176 0.0 17.0 25.4#

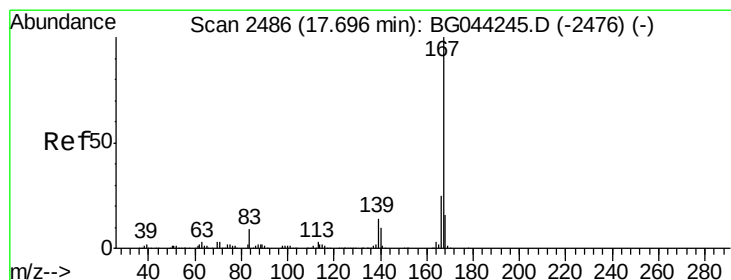
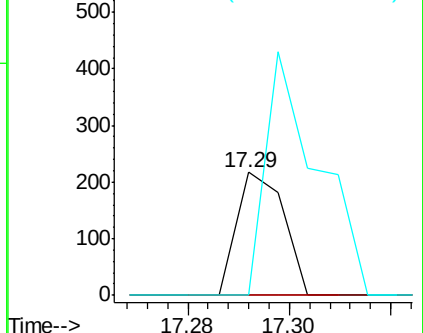
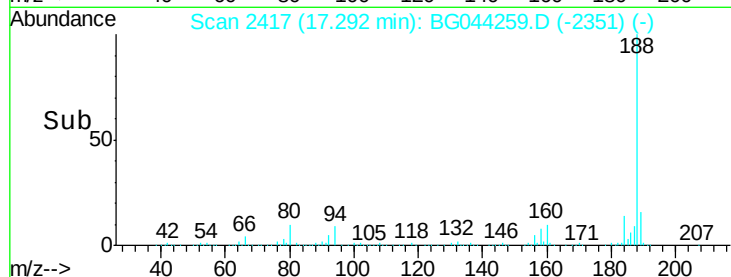
179 0.0 14.4 21.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.003 ng

RT: 17.30 min Scan# 2419

Delta R.T. -0.39 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

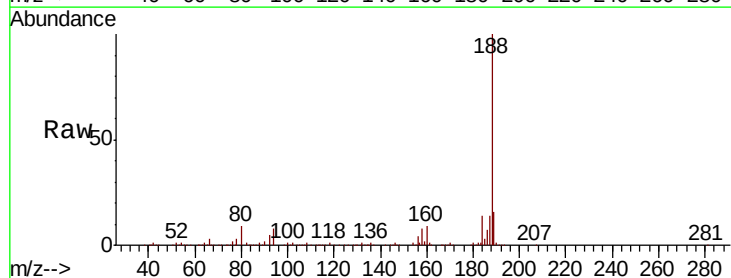
Tgt Ion:167 Resp: 70

Ion Ratio Lower Upper

167 100

166 82.4 19.8 29.6#

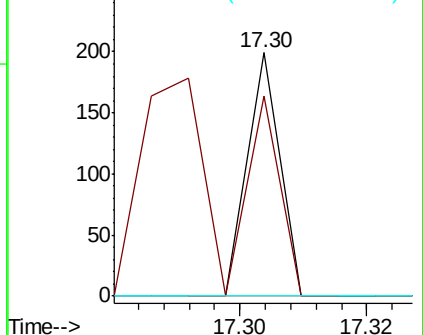
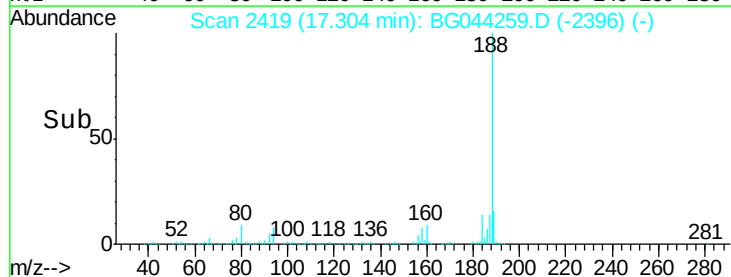
139 0.0 11.1 16.7#

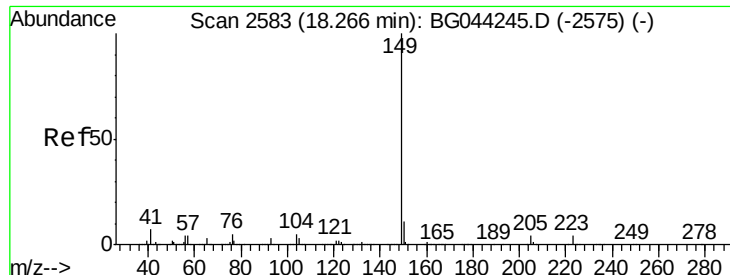


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.003 ng

RT: 18.28 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

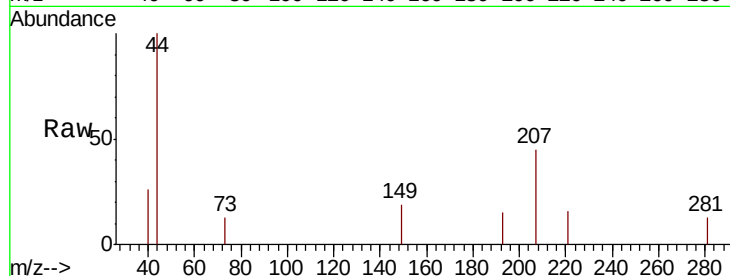
Tot Ion:149 Resp: 94

Ion Ratio Lower Upper

149 100

150 0.0 8.7 13.1#

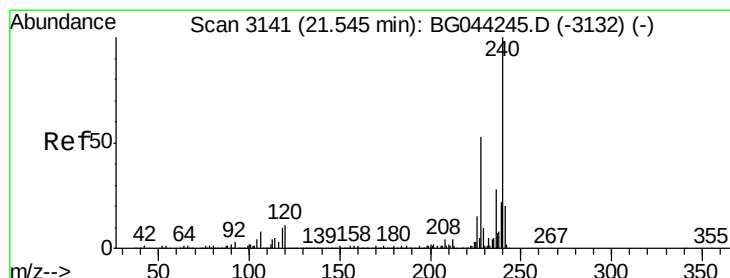
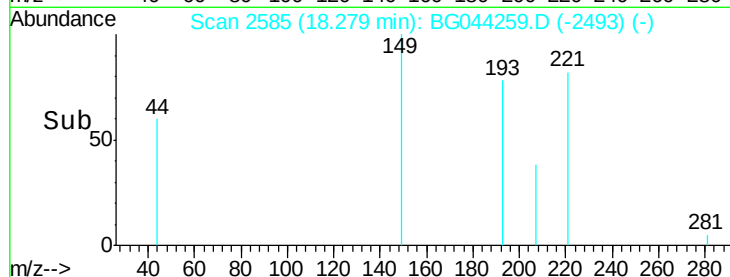
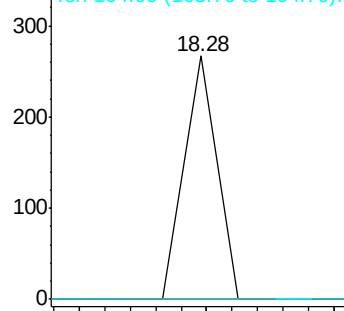
104 0.0 4.3 6.5#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

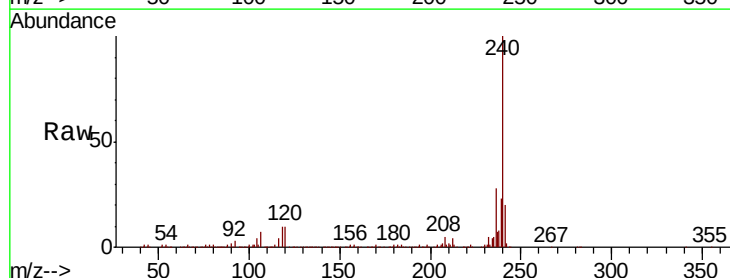
Tgt Ion:240 Resp: 482356

Ion Ratio Lower Upper

240 100

120 10.4 8.4 12.6

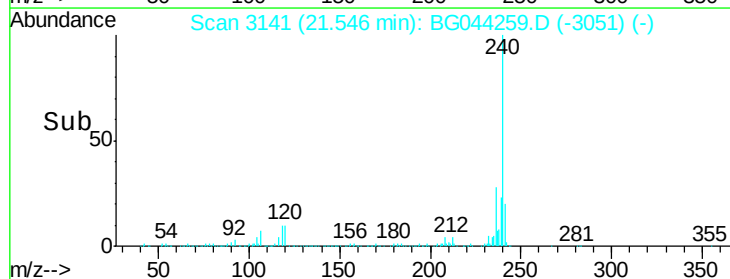
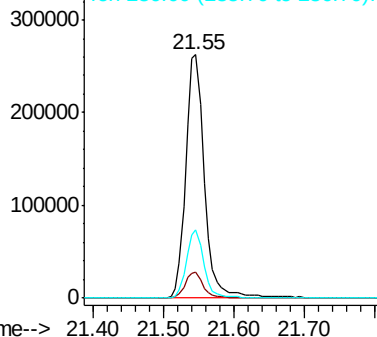
236 27.8 22.1 33.1

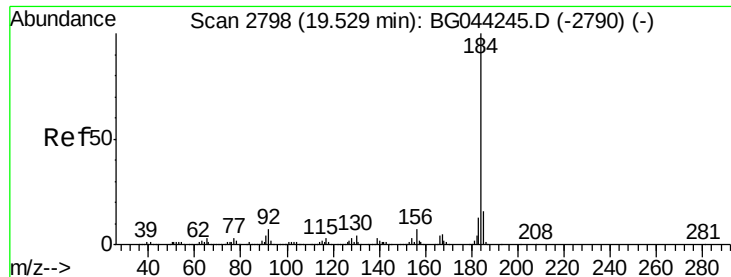


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.215 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

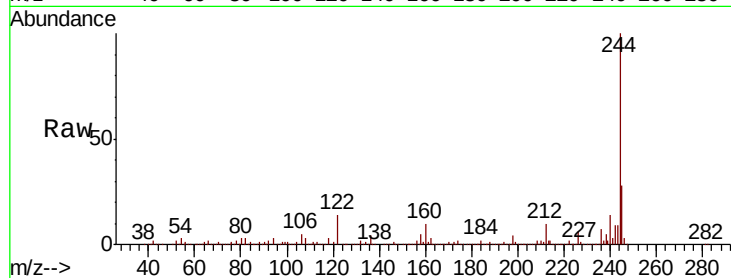
Tot Ion:184 Resp: 43019

Ion Ratio Lower Upper

184 100

185 16.8 12.9 19.3

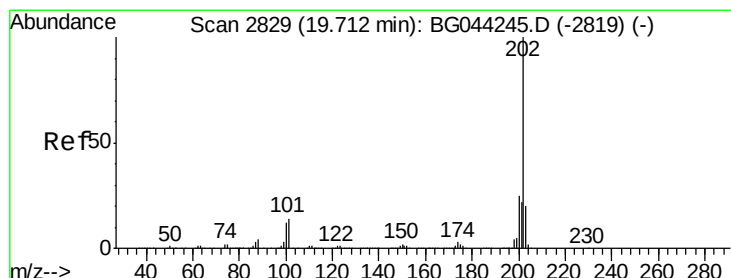
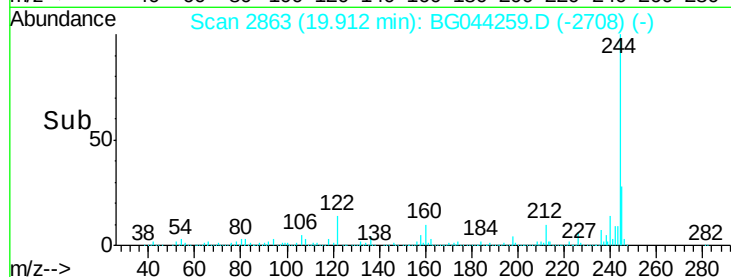
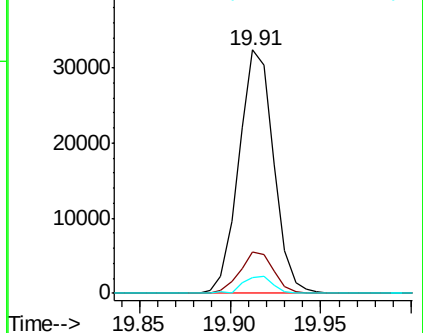
183 6.5 10.8 16.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.324 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.21 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

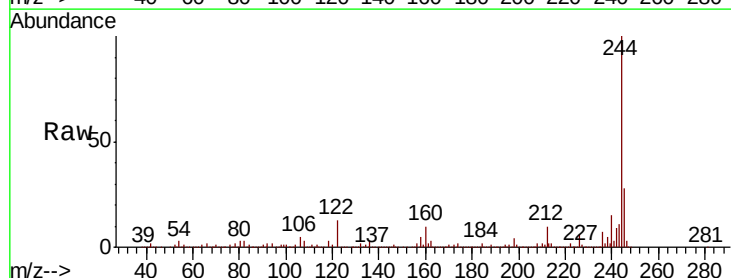
Tgt Ion:202 Resp: 10024

Ion Ratio Lower Upper

202 100

200 48.4 20.0 30.0#

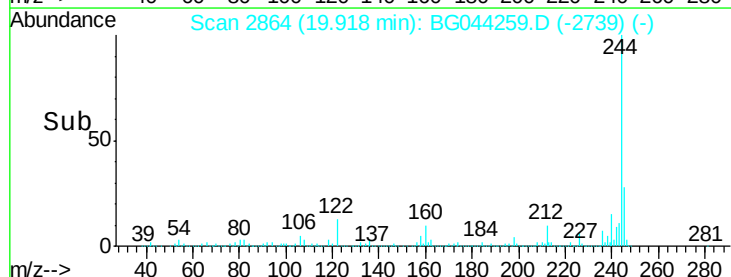
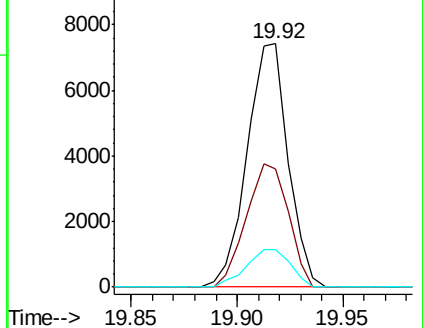
203 15.3 16.2 24.2#

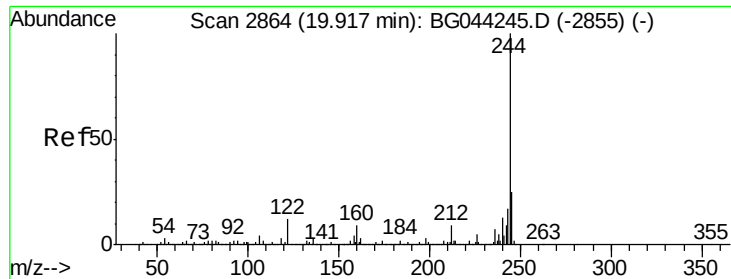


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 101.863 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

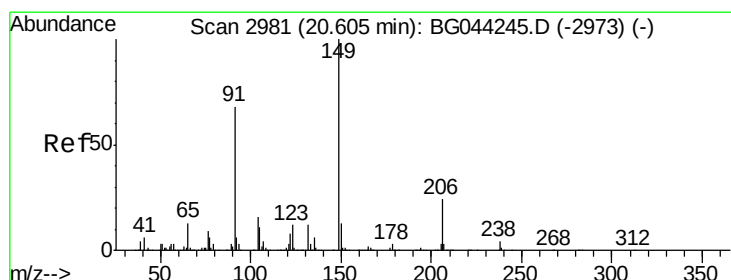
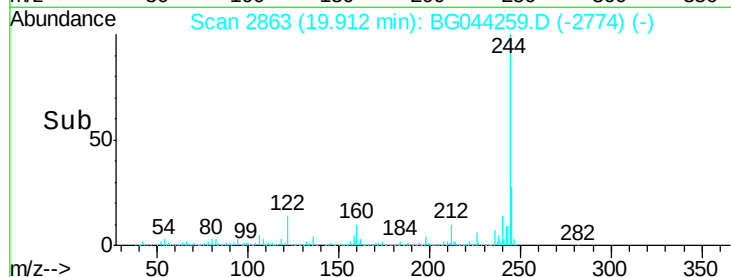
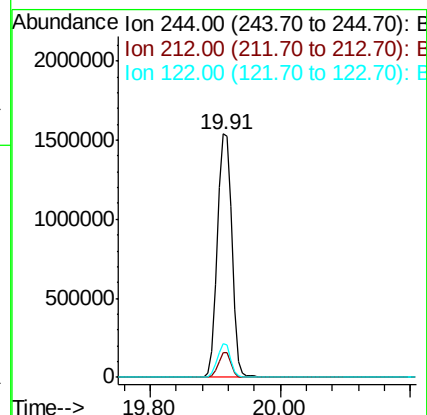
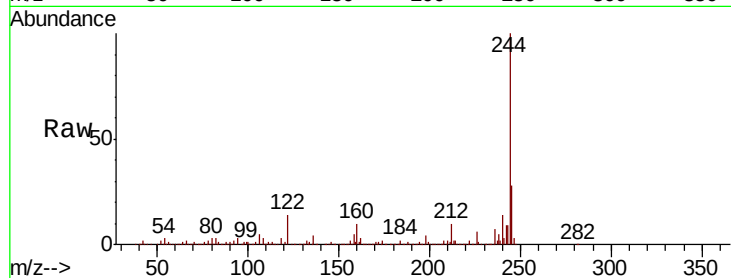
Tot Ion:244 Resp: 2388780

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.4	11.2
122	13.9	9.8	14.6

244 100

212 10.0 7.4 11.2

122 13.9 9.8 14.6



#80

Butylbenzylphthalate

Concen: 0.015 ng

RT: 20.60 min Scan# 2980

Delta R.T. -0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

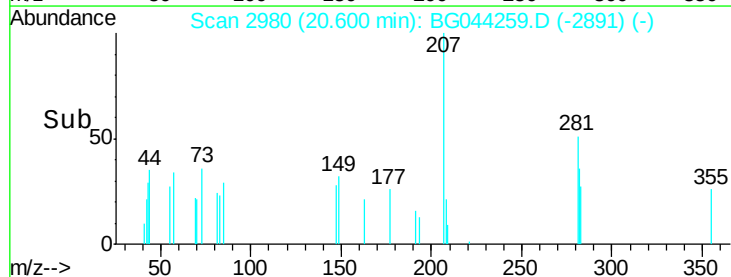
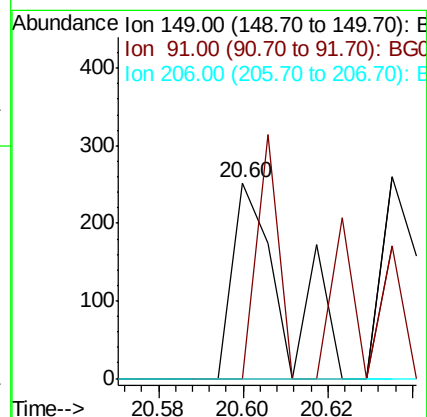
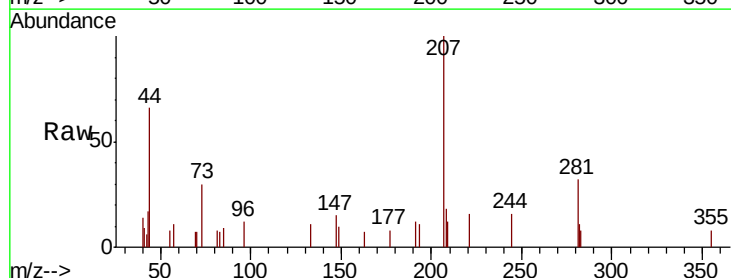
Tgt Ion:149 Resp: 211

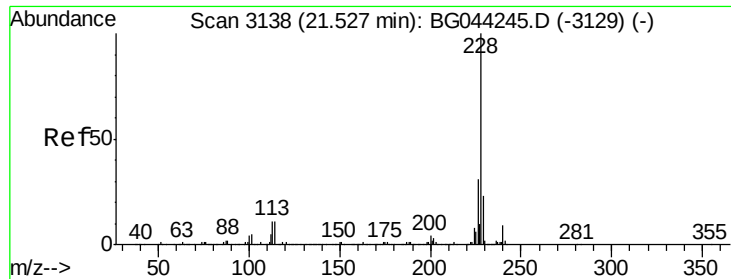
Ion	Ratio	Lower	Upper
149	100		
91	0.0	54.5	81.7#
206	0.0	19.1	28.7#

149 100

91 0.0 54.5 81.7#

206 0.0 19.1 28.7#

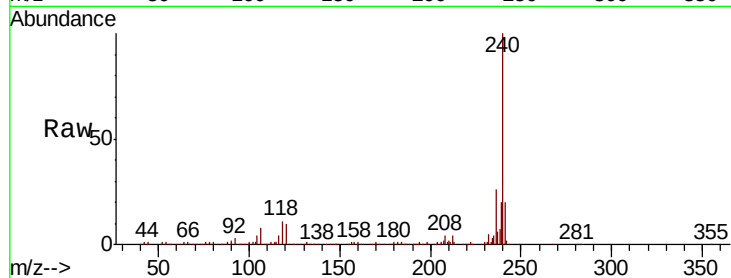




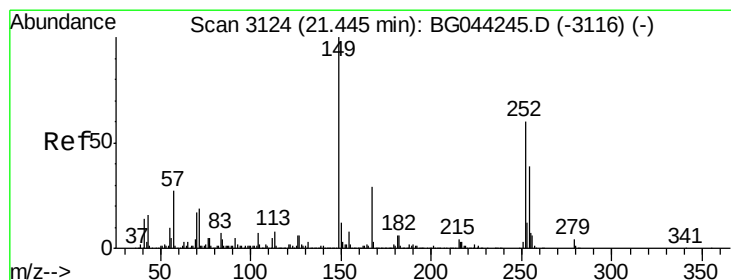
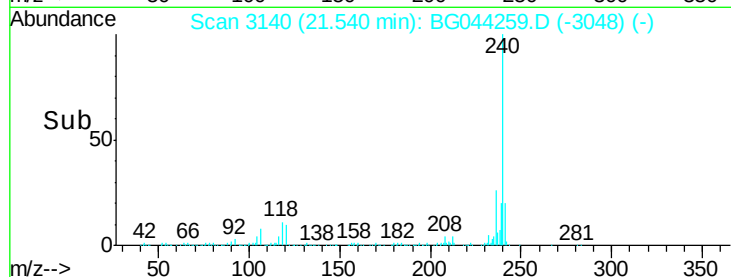
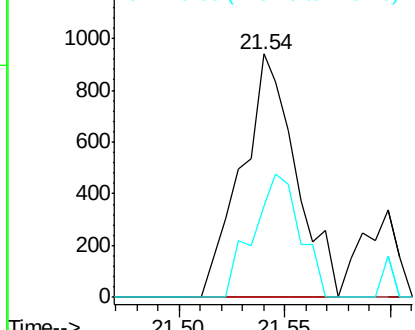
#81
Benzo(a)anthracene
Concen: 0.056 ng
RT: 21.54 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:228 Resp: 1678
Ion Ratio Lower Upper
228 100
226 0.0 24.7 37.1#
229 37.6 18.2 27.4#

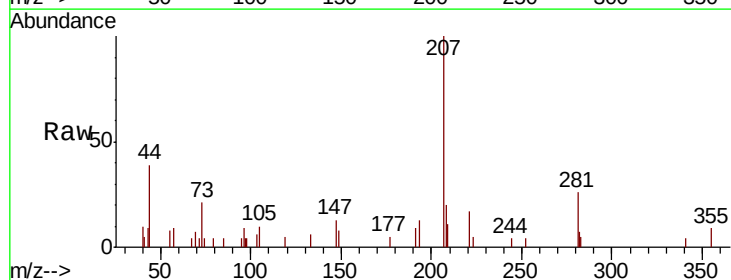


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

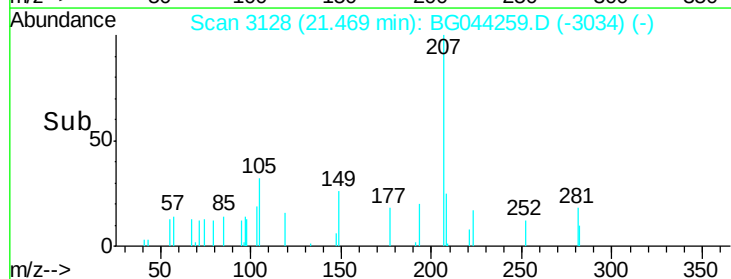
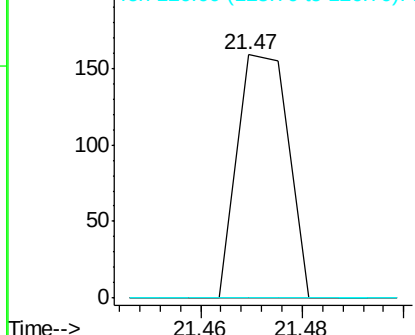


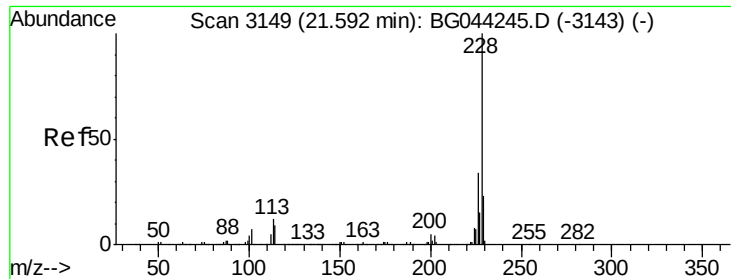
#82
3,3'-Dichlorobenzidine
Concen: 0.010 ng
RT: 21.47 min Scan# 3128
Delta R.T. 0.02 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Tgt Ion:252 Resp: 111
Ion Ratio Lower Upper
252 100
254 0.0 52.6 78.8#
126 0.0 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.014 ng

RT: 21.60 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampled :

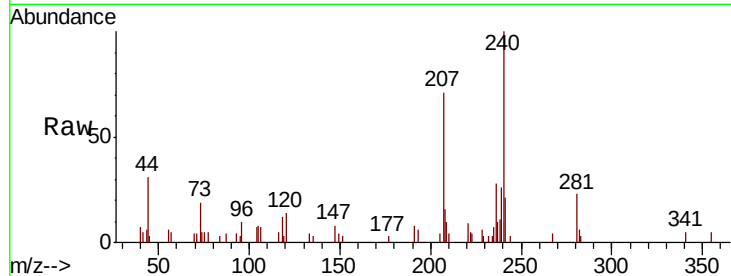
Tot Ion:228 Resp: 391

Ion Ratio Lower Upper

228 100

226 0.0 27.1 40.7#

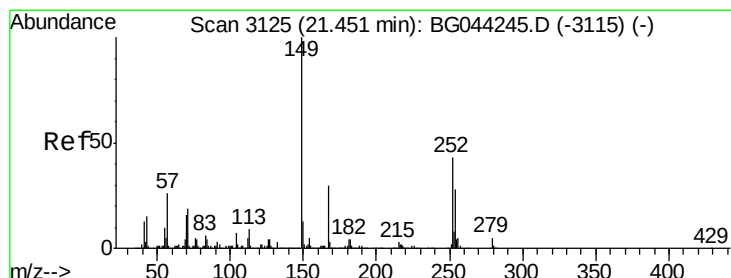
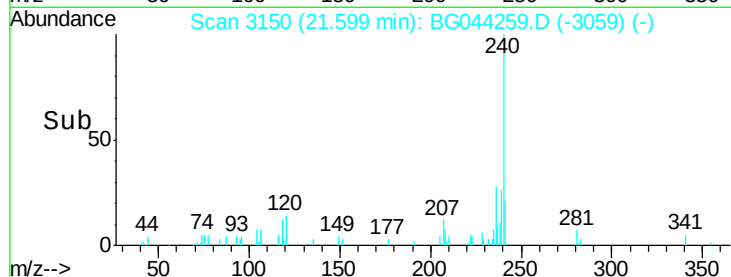
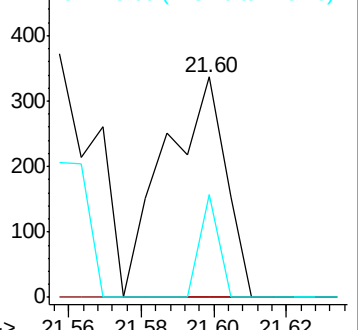
229 46.9 17.9 26.9#



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: 0.025 ng

RT: 21.45 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

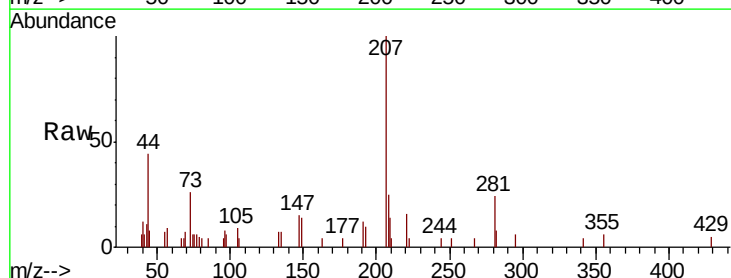
Tgt Ion:149 Resp: 483

Ion Ratio Lower Upper

149 100

167 0.0 24.0 36.0#

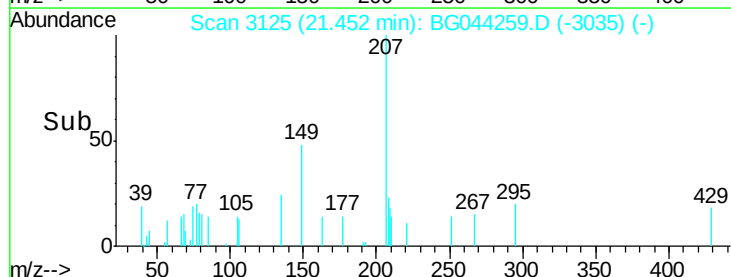
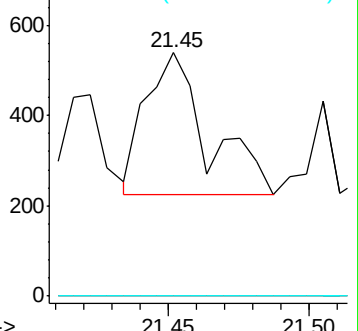
279 0.0 3.8 5.8#

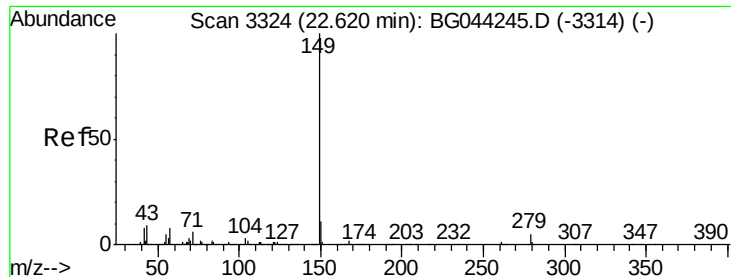


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.037 ng

RT: 22.62 min Scan# 3324

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

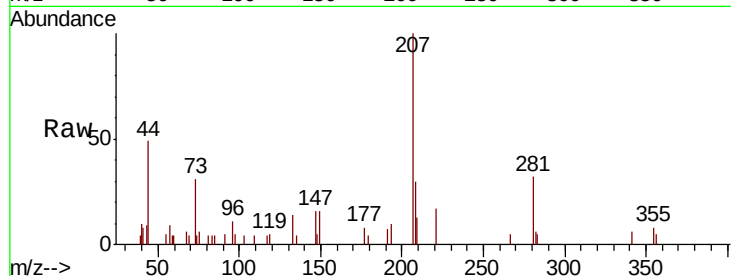
Tot Ion:149 Resp: 1245

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

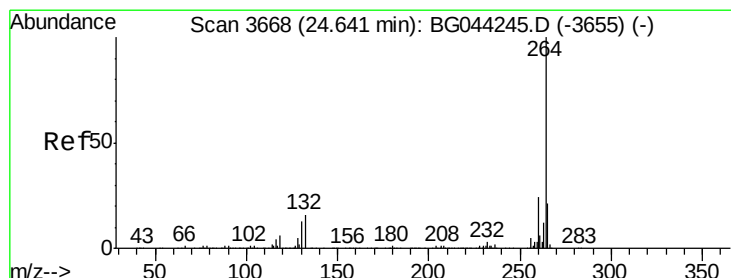
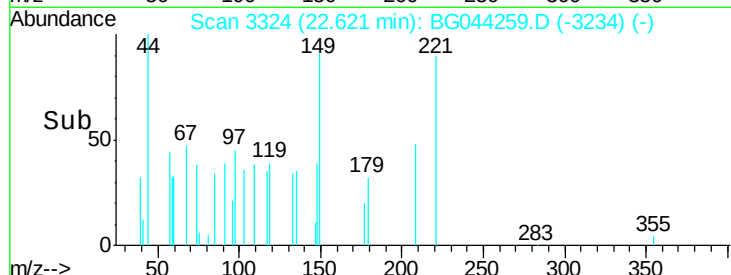
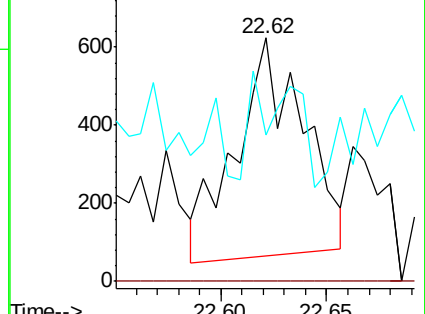
43 29.2 7.4 11.0#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3668

Delta R.T. 0.00 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

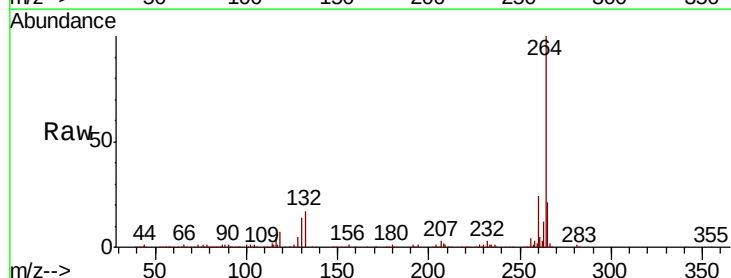
Tgt Ion:264 Resp: 493794

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

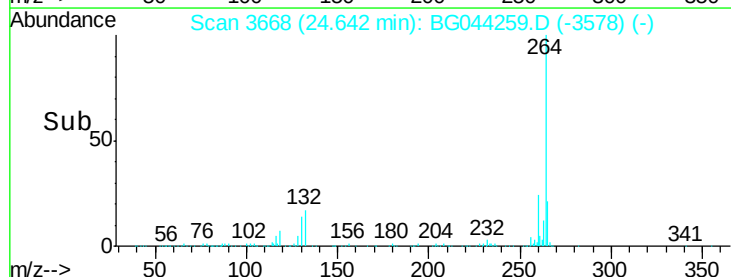
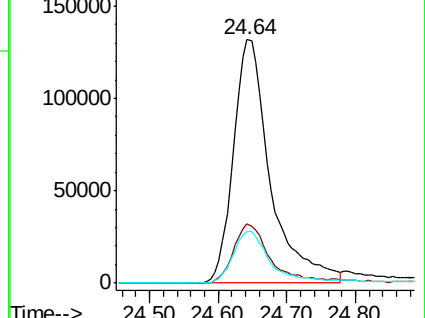
265 21.0 16.7 25.1

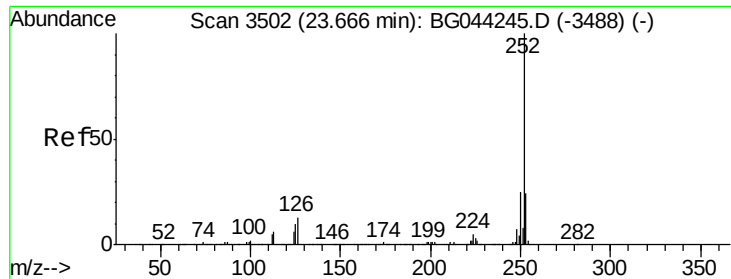


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

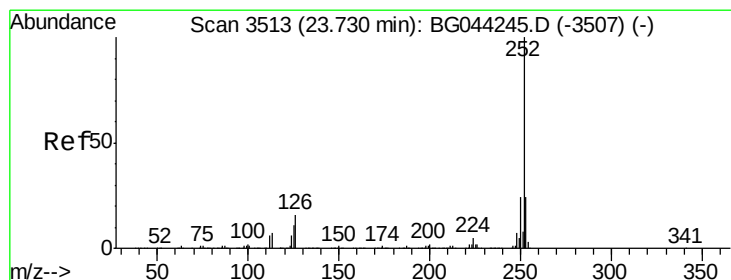
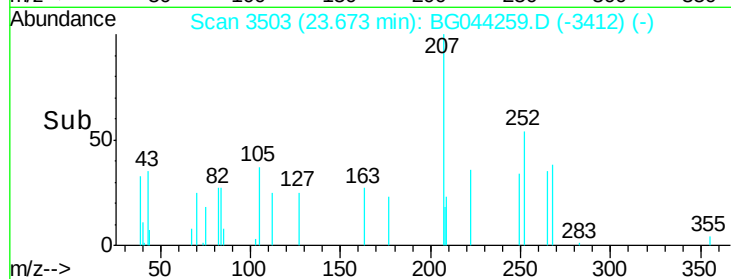
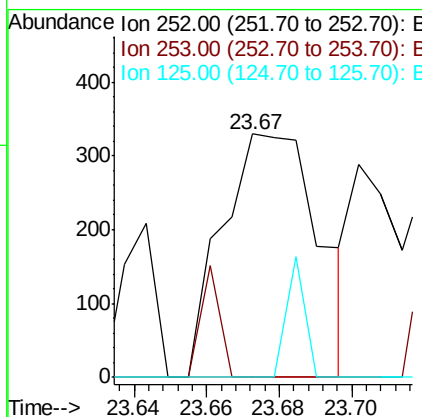
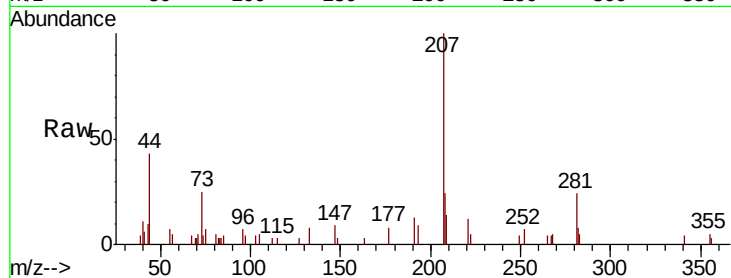




#88
Benzo(b)fluoranthene
Concen: 0.022 ng
RT: 23.67 min Scan# 3503
Delta R.T. 0.01 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

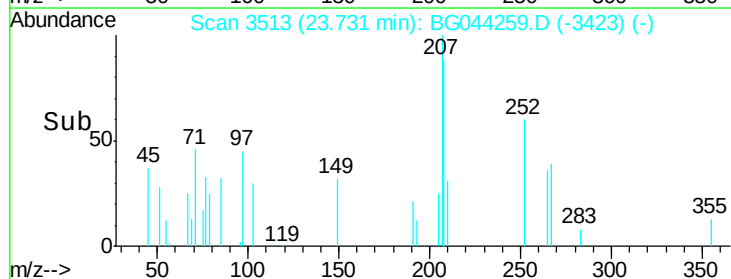
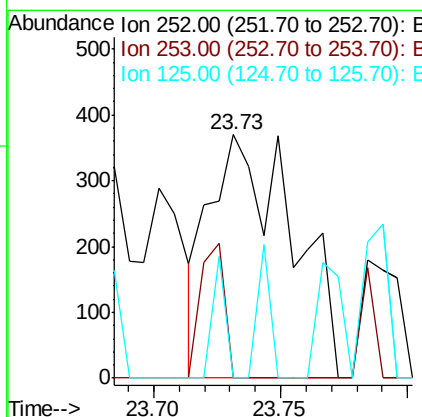
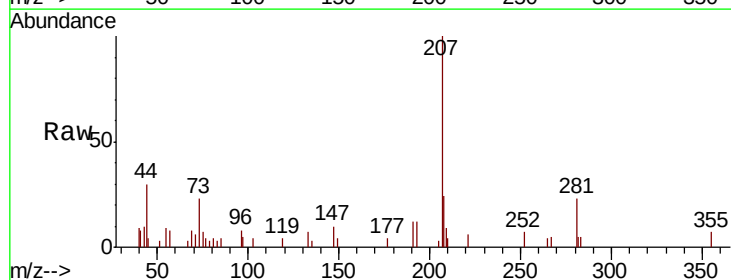
Instrument :
BNA_G
ClientSampled :

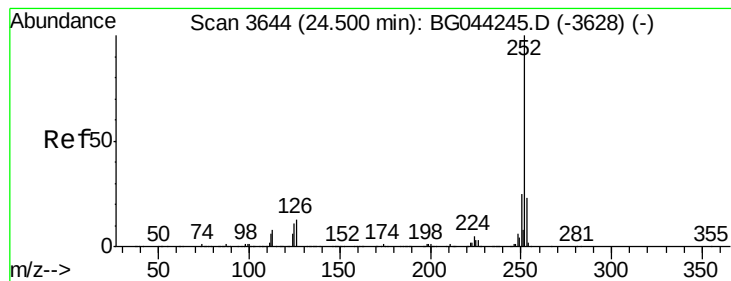
Tot Ion:252 Resp: 612
Ion Ratio Lower Upper
252 100
253 0.0 19.2 28.8#
125 0.0 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 0.030 ng
RT: 23.73 min Scan# 3513
Delta R.T. 0.00 min
Lab File: BG044259.D
Acq: 31 Jan 2020 14:31

Tgt Ion:252 Resp: 844
Ion Ratio Lower Upper
252 100
253 0.0 19.1 28.7#
125 0.0 8.6 12.8#





#90

Benzo(a)pyrene

Concen: 0.016 ng

RT: 24.51 min Scan# 3645

Delta R.T. 0.01 min

Lab File: BG044259.D

Acq: 31 Jan 2020 14:31

Instrument :

BNA_G

ClientSampleId :

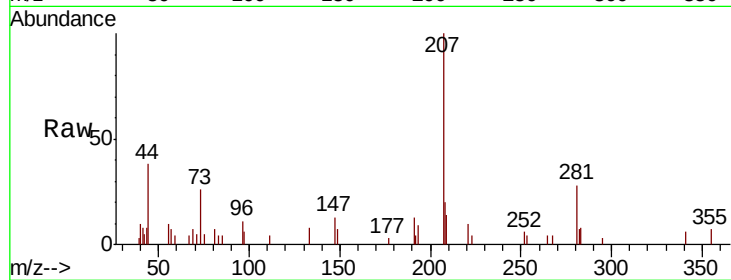
Tot Ion: 252 Resp: 422

Ion Ratio Lower Upper

252 100

253 65.3 18.1 27.1#

125 0.0 8.6 13.0#



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

