

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043610.D
 Acq On : 12 Nov 2019 9:59
 Operator : JU
 Sample : K5760-14RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 12 10:35:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	30638	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	116158	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	82680	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	195744	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	206856	20.00	ng	-0.01
87) Perylene-d12	24.83	264	244542	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	86076	51.48	ng	0.00
7) Phenol-d6	7.21	99	109687	45.60	ng	0.00
23) Nitrobenzene-d5	9.16	82	114372	50.76	ng	-0.01
42) 2,4,6-Tribromophenol	16.12	330	70894	45.06	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	311028	51.98	ng	-0.01
79) Terphenyl-d14	19.99	244	596277	54.08	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.48	88	55	0.084	ng	# 20
3) Pyridine	4.04	79	55	0.033	ng	# 4
4) n-Nitrosodimethylamine	3.88	42	80	0.096	ng	# 1
6) Aniline	7.55	93	57	0.021	ng	# 1
10) Phenol	7.23	94	2318	1.054	ng	# 63
11) bis(2-Chloroethyl)ether	7.55	93	57	0.034	ng	# 1
15) Benzyl Alcohol	8.22	79	71	0.042	ng	# 18
19) n-Nitroso-di-n-propylamine	9.16	70	15123	9.729	ng	# 83
24) Nitrobenzene	9.16	77	336	0.157	ng	# 17
25) Isophorone	9.59	82	401	0.097	ng	# 64
30) 1,2,4-Trichlorobenzene	10.80	180	54	0.023	ng	# 13
41) Hexachlorocyclopentadiene	12.36	237	54	0.034	ng	# 28
46) 1,1'-Biphenyl	13.48	154	174	0.028	ng	# 43
48) 2-Nitroaniline	14.09	65	55	0.038	ng	# 1
50) Dimethylphthalate	14.09	163	7597	1.186	ng	# 93
51) 2,6-Dinitrotoluene	14.63	165	10526	7.566	ng	# 25
52) Acenaphthene	14.63	154	93	0.020	ng	# 6
57) 2,4-Dinitrotoluene	14.63	165	10526	5.294	ng	# 29
58) Fluorene	16.12	166	1627	0.263	ng	# 1
60) Diethylphthalate	15.44	149	174	0.027	ng	# 56
63) Azobenzene	16.12	77	298	0.057	ng	# 46
65) 4,6-Dinitro-2-methylphenol	16.12	198	64	0.056	ng	# 25
66) n-Nitrosodiphenylamine	16.12	169	1696	0.307	ng	# 35
67) 4-Bromophenyl-phenylether	16.12	248	4345	1.649	ng	# 1
71) Phenanthrene	17.37	178	54	0.005	ng	# 60
72) Anthracene	17.37	178	54	0.005	ng	# 59
73) Carbazole	17.84	167	67	0.007	ng	# 58
74) Di-n-butylphthalate	18.34	149	105	0.010	ng	# 77
75) Fluoranthene	19.70	202	64	0.005	ng	# 65
77) Benzidine	19.99	184	8521	2.047	ng	# 92
78) Pyrene	19.80	202	121	0.009	ng	# 57
80) Butylbenzylphthalate	20.66	149	57	0.012	ng	# 27
81) Benzo(a)anthracene	21.64	228	828	0.064	ng	# 50
82) 3,3'-Dichlorobenzidine	21.56	252	184	0.037	ng	# 25

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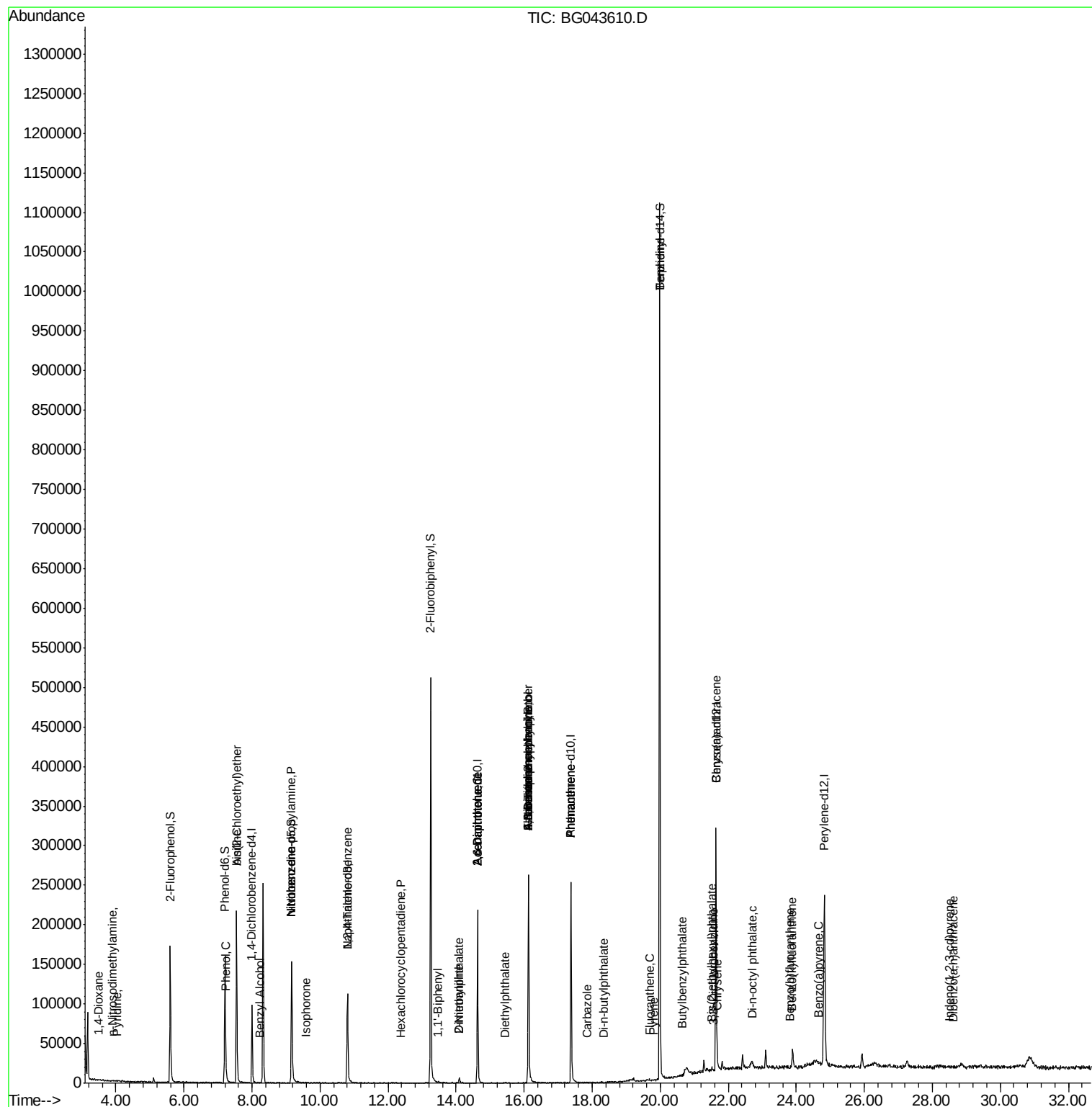
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Chrysene	21.68	228	492	0.038	nq	# 48
84) Bis(2-ethylhexyl)phthalate	21.52	149	1149	0.167	nq	# 54
85) Di-n-octyl phthalate	22.72	149	583	0.050	nq	# 79
86) Indeno(1,2,3-cd)pyrene	28.50	276	54	0.003	nq	# 56
88) Benzo(b)fluoranthene	23.83	252	302	0.022	nq	# 1
89) Benzo(k)fluoranthene	23.87	252	464	0.033	nq	# 26
90) Benzo(a)pyrene	24.67	252	270	0.020	nq	# 60
91) Dibenzo(a,h)anthracene	28.62	278	53	0.004	nq	# 58

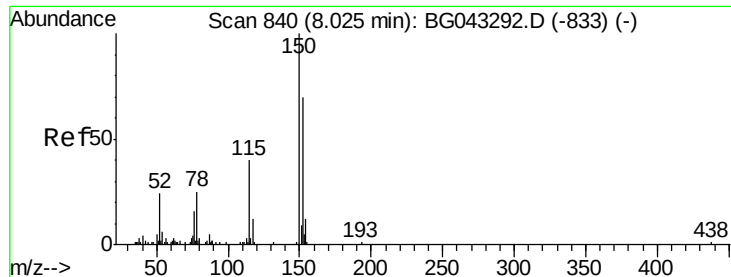
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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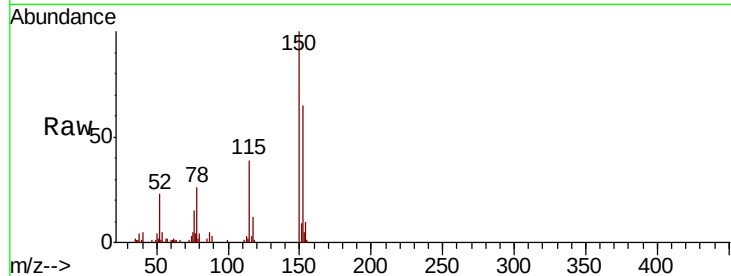


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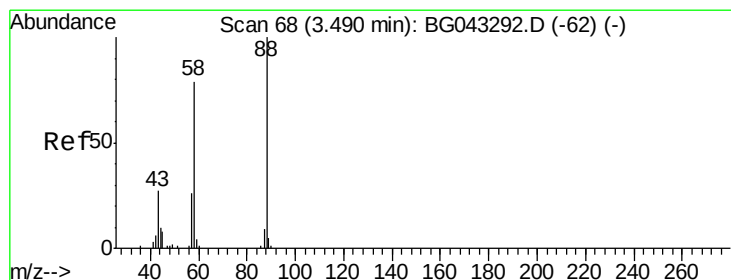
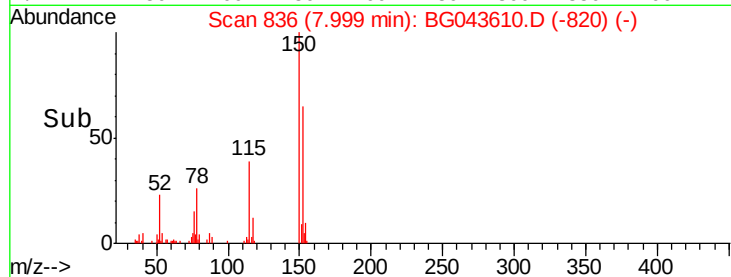
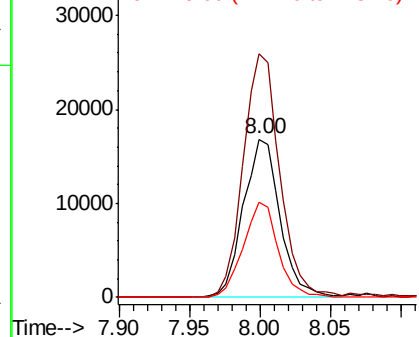
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30638
Ion Ratio Lower Upper
152 100
150 153.7 129.4 194.0
115 59.9 48.8 73.2



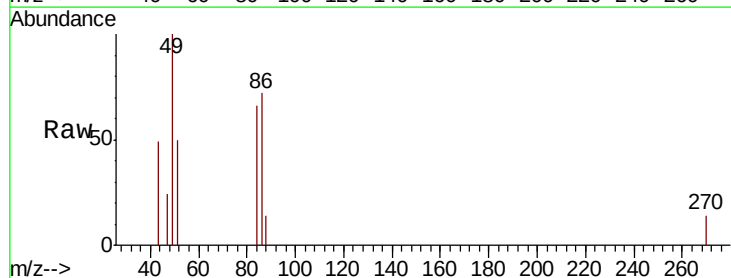
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



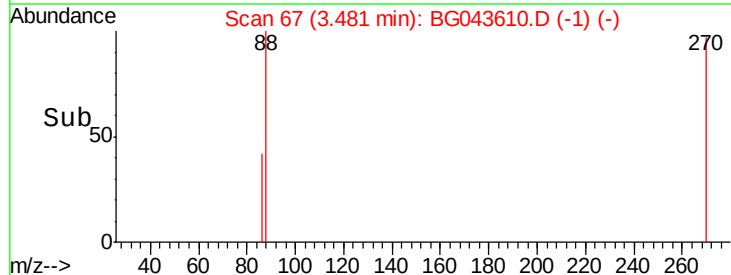
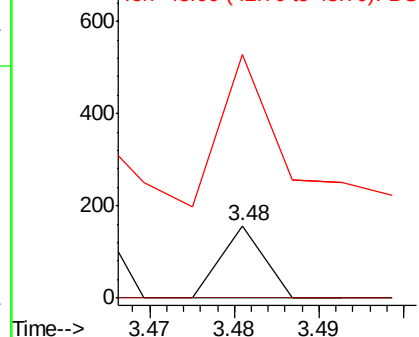
#2

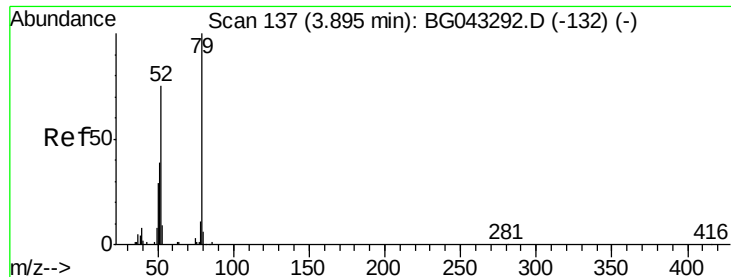
1,4-Dioxane
Concen: 0.084 ng
RT: 3.48 min Scan# 67
Delta R.T. 0.01 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
58 0.0 62.7 94.1#
43 0.0 23.7 35.5#



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: 0.033 ng

RT: 4.04 min Scan# 162

Delta R.T. 0.16 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampled :

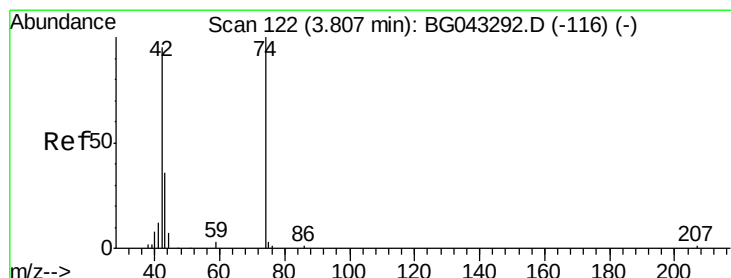
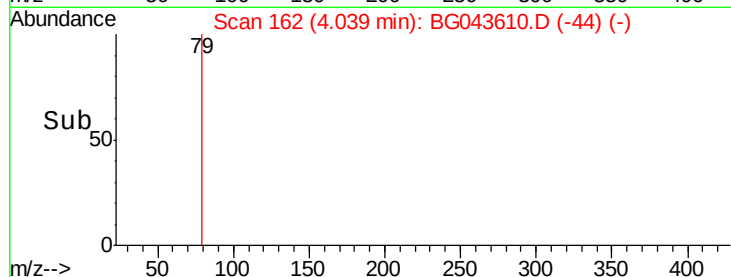
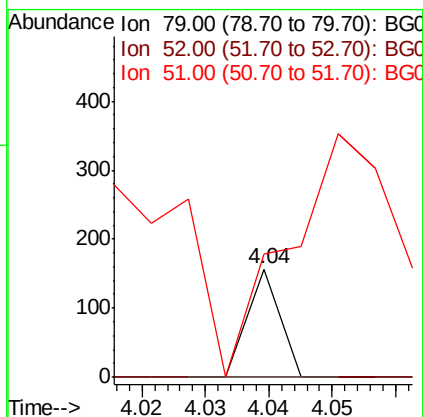
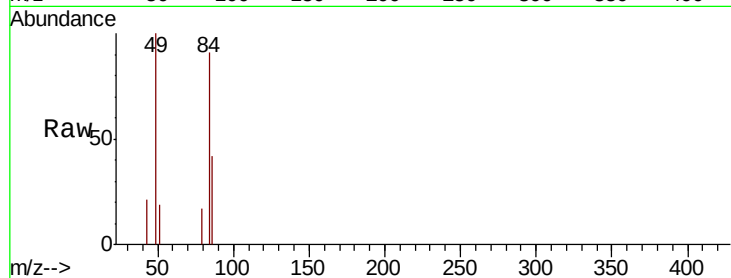
Tot Ion: 79 Resp: 55

Ion Ratio Lower Upper

79 100

52 0.0 56.5 84.7#

51 113.4 33.2 49.8#



#4

n-Nitrosodimethylamine

Concen: 0.096 ng

RT: 3.88 min Scan# 135

Delta R.T. 0.09 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

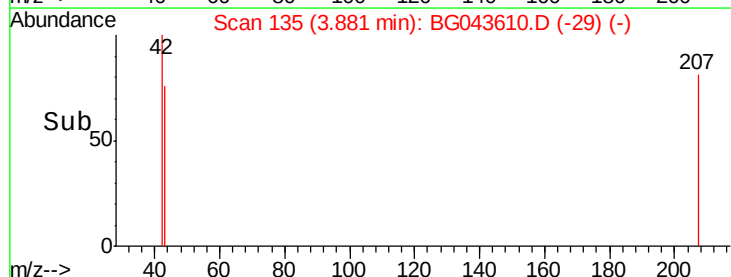
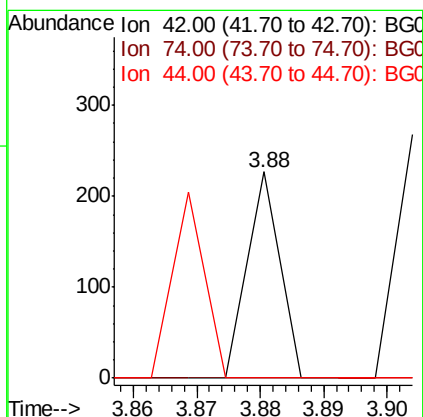
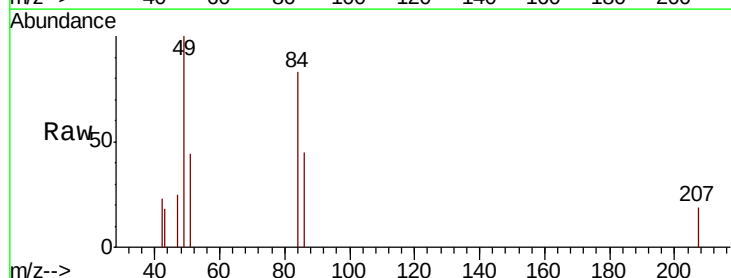
Tgt Ion: 42 Resp: 80

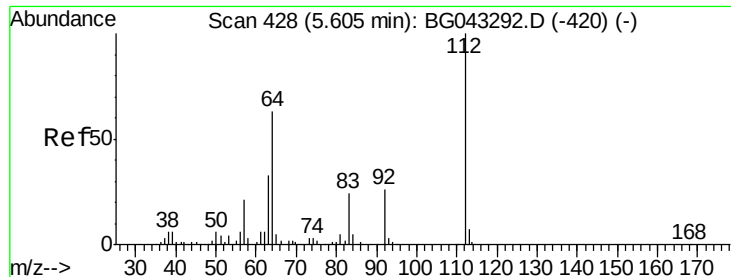
Ion Ratio Lower Upper

42 100

74 0.0 97.3 145.9#

44 0.0 4.4 6.6#





#5

2-Fluorophenol

Concen: 51.482 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampled :

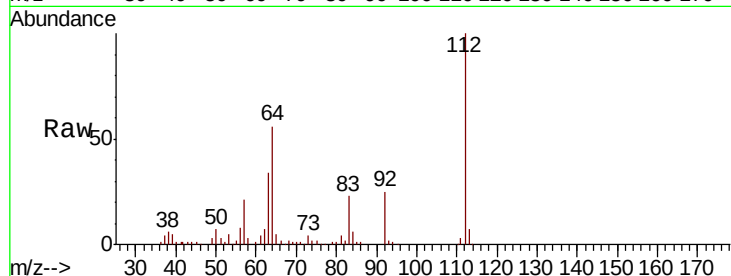
Tot Ion:112 Resp: 86076

Ion Ratio Lower Upper

112 100

64 55.8 50.0 75.0

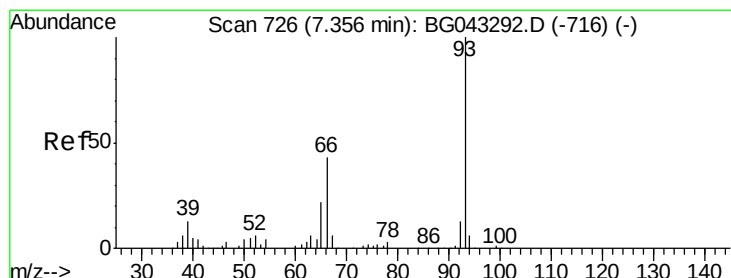
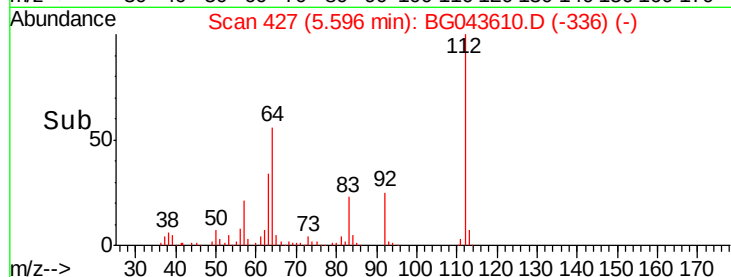
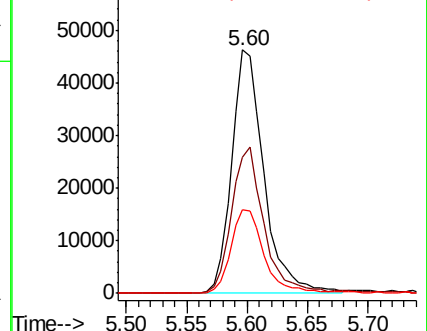
63 34.2 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.021 ng

RT: 7.55 min Scan# 760

Delta R.T. 0.21 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

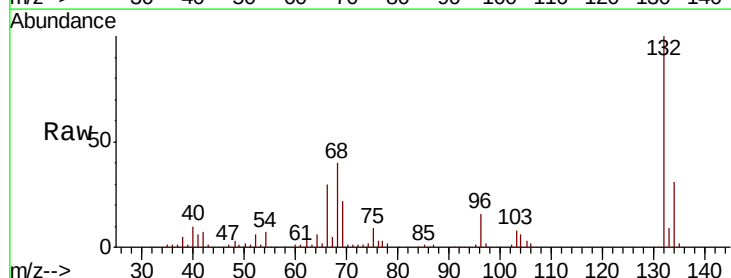
Tgt Ion: 93 Resp: 57

Ion Ratio Lower Upper

93 100

66 9582.6 32.3 48.5#

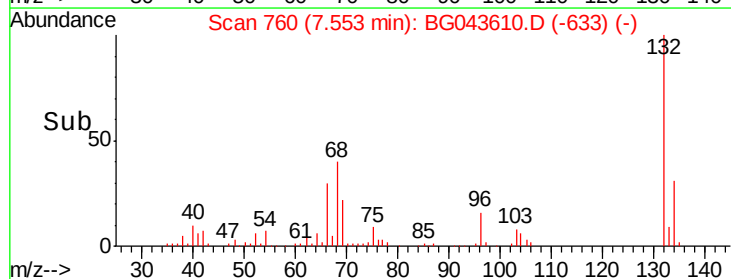
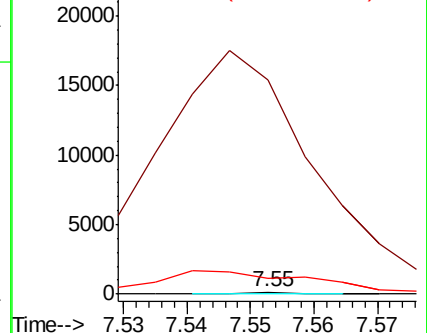
65 732.9 16.1 24.1#

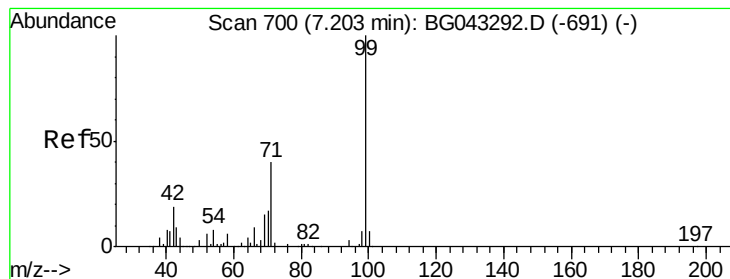


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 45.597 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

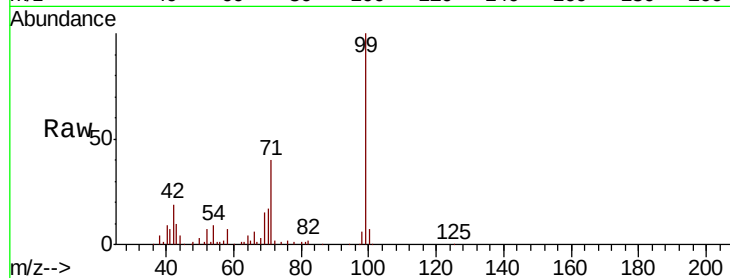
Tot Ion: 99 Resp: 109687

Ion Ratio Lower Upper

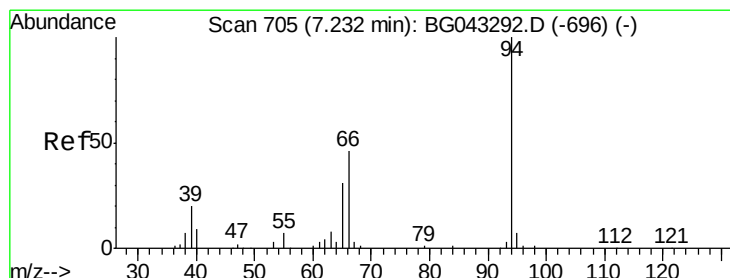
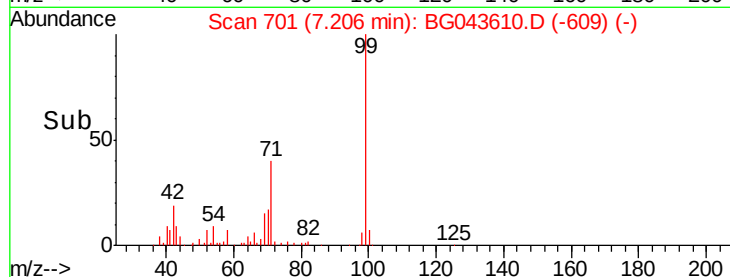
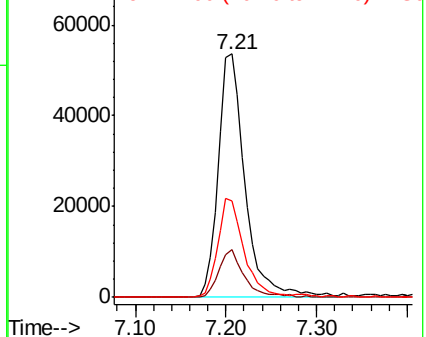
99 100

42 19.4 14.6 21.8

71 39.7 32.5 48.7



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



#10

Phenol

Concen: 1.054 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

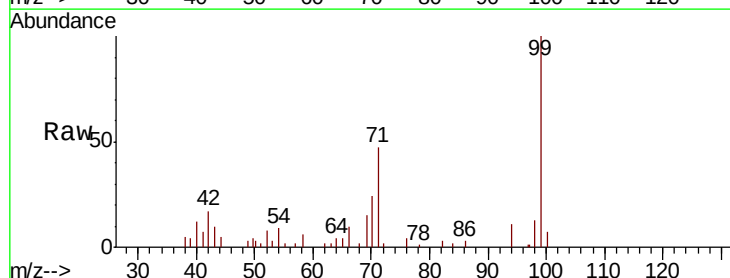
Tgt Ion: 94 Resp: 2318

Ion Ratio Lower Upper

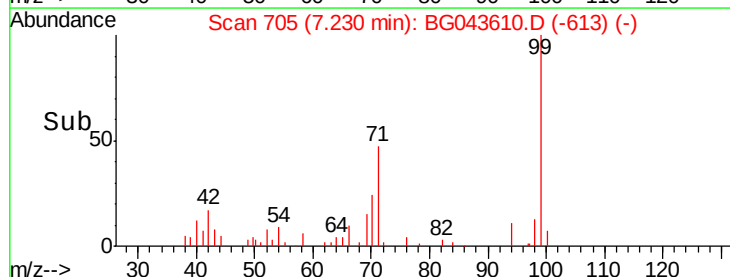
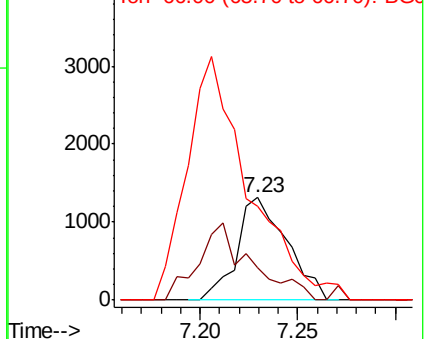
94 100

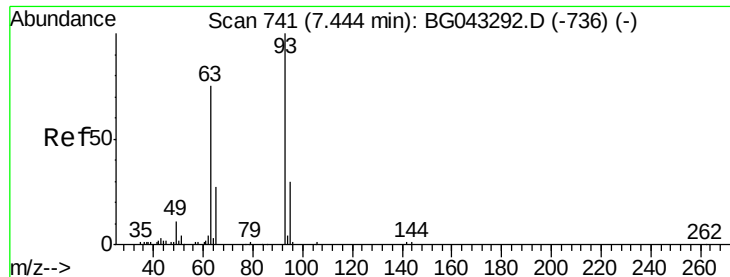
65 31.4 12.6 52.6

66 91.9 30.7 70.7#



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

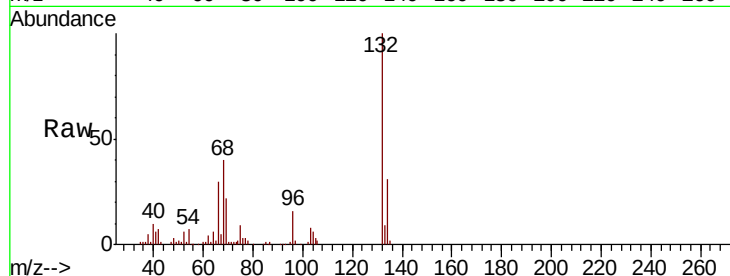




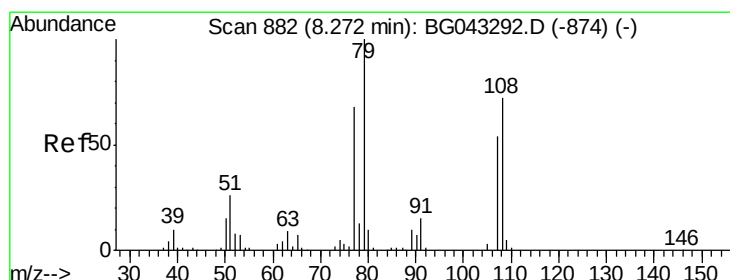
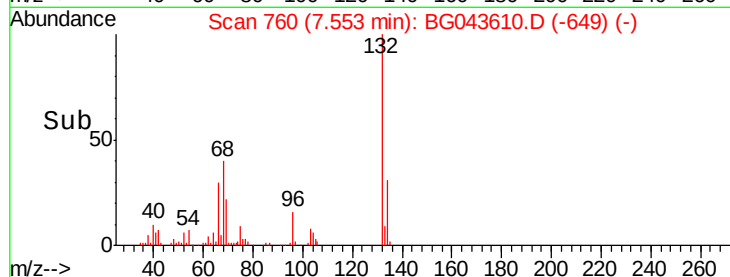
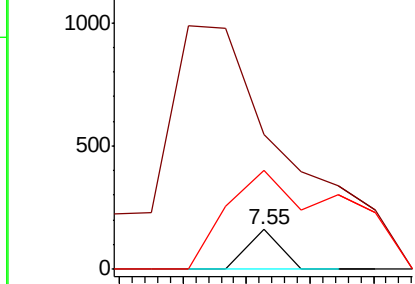
#11
bis(2-Chloroethyl)ether
Concen: 0.034 ng
RT: 7.55 min Scan# 760
Delta R.T. 0.12 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
93	100		
63	339.8	56.3	96.3#
95	248.4	12.2	52.2#

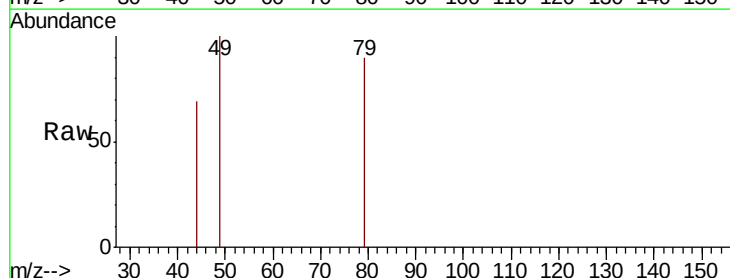


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

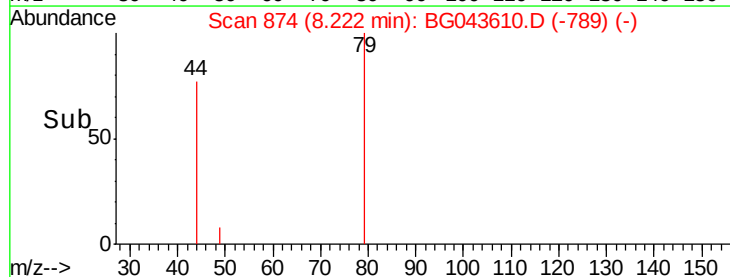
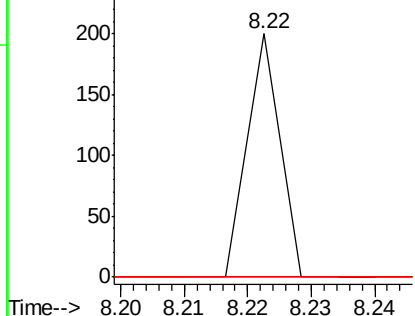


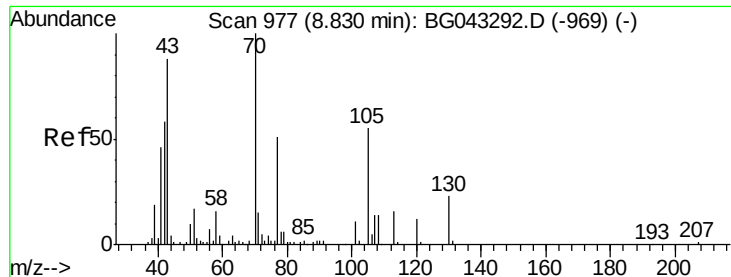
#15
Benzyl Alcohol
Concen: 0.042 ng
RT: 8.22 min Scan# 874
Delta R.T. -0.03 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

Tgt Ion	Ratio	Lower	Upper
79	100		
108	0.0	53.6	80.4#
77	0.0	49.6	74.4#



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: 9.729 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 15123

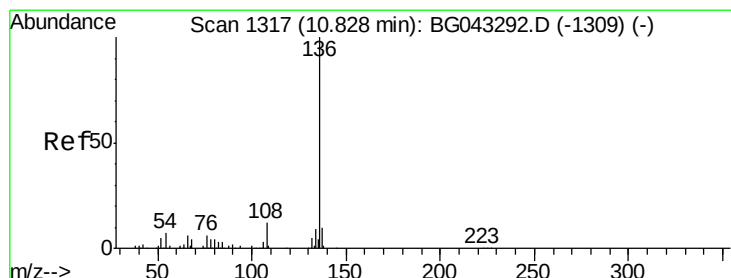
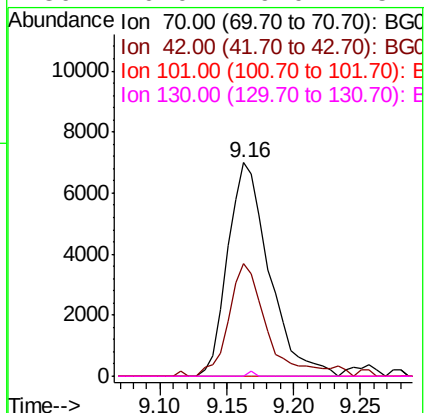
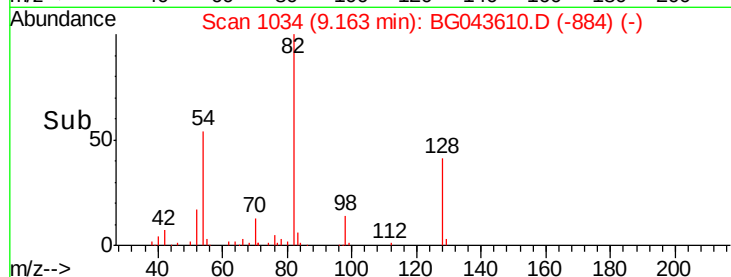
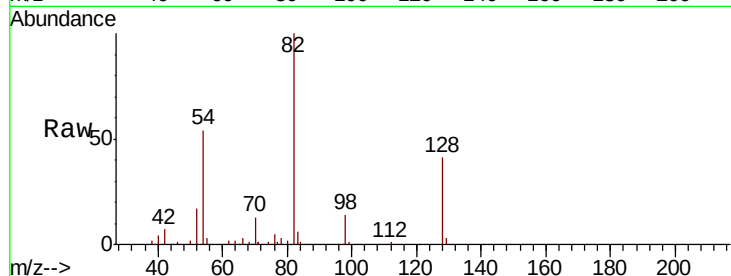
Ion Ratio Lower Upper

70 100

42 52.9 41.4 62.2

101 0.0 7.9 11.9#

130 0.0 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Tgt Ion: 136 Resp: 116158

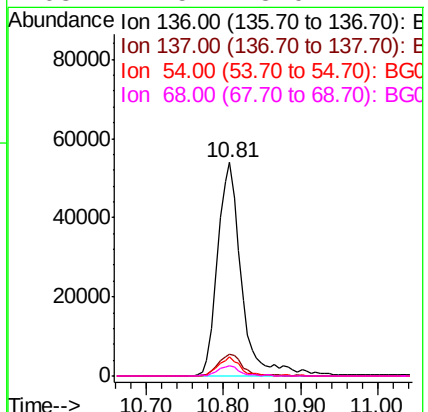
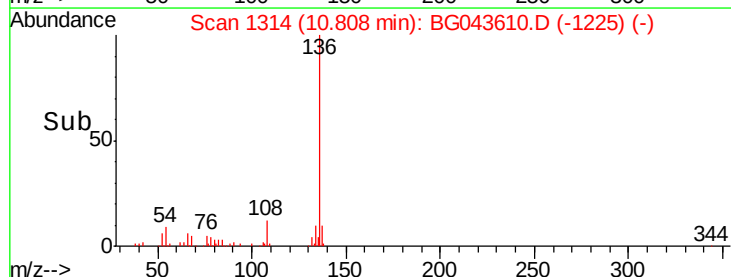
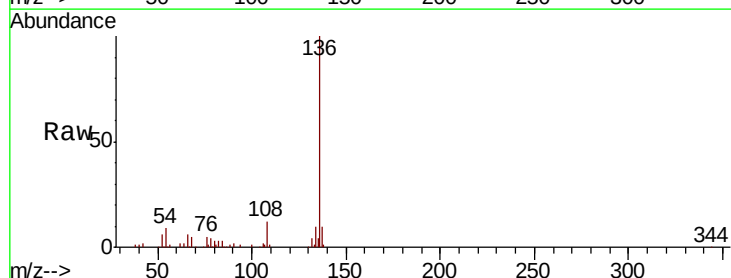
Ion Ratio Lower Upper

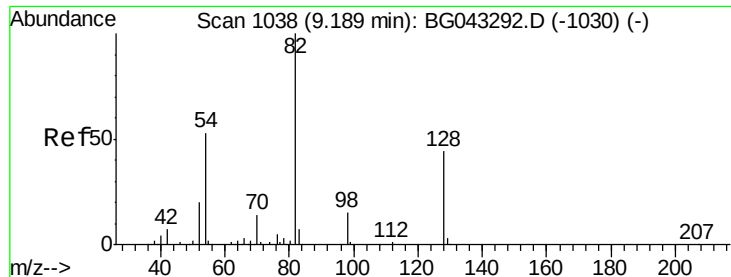
136 100

137 10.2 8.7 13.1

54 8.8 5.4 8.2#

68 4.5 3.0 4.4#

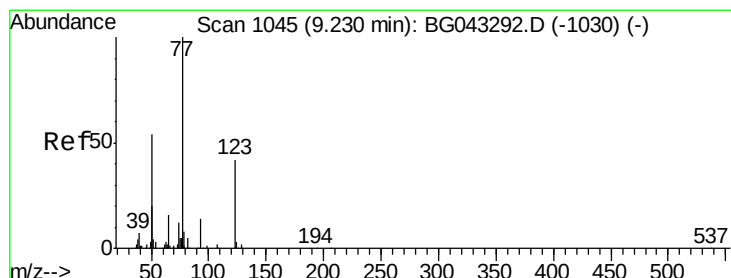
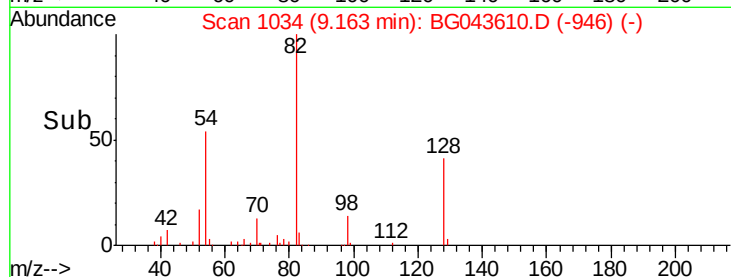
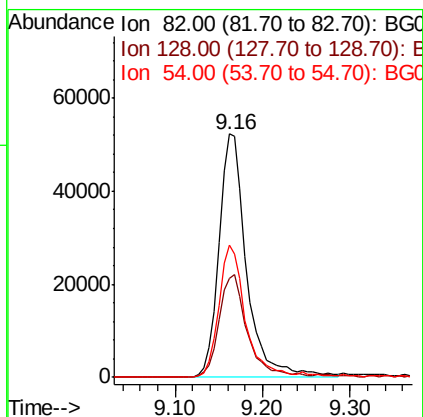
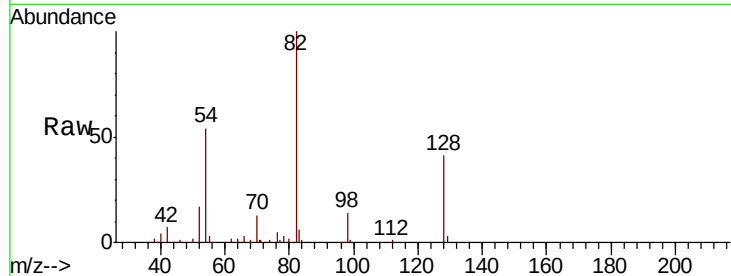




#23
Nitrobenzene-d5
Concen: 50.762 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

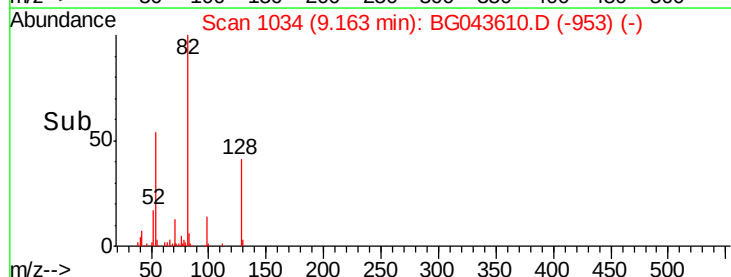
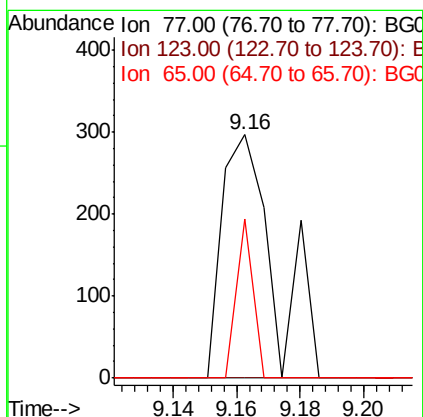
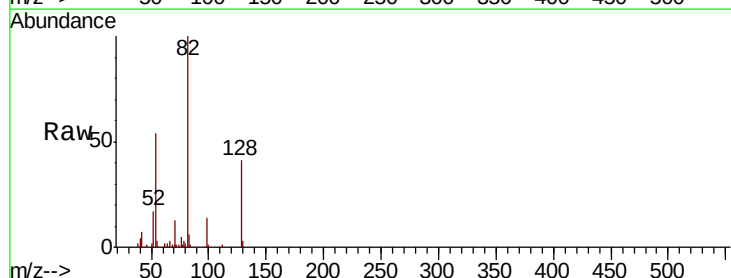
Instrument :
BNA_G
ClientSampleId :

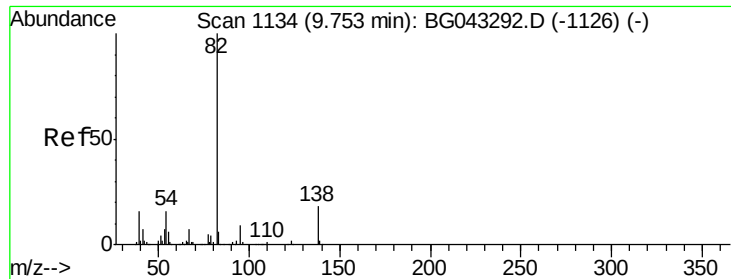
Tot Ion	82	Resp	114372
Ion Ratio	100	Lower	Upper
128	40.8	35.0	52.6
54	54.1	40.2	60.2



#24
Nitrobenzene
Concen: 0.157 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.06 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

Tgt Ion	77	Resp	336
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
123	0.0	35.0	52.6#
65	65.3	9.5	14.3#





#25

Isophorone

Concen: 0.097 ng

RT: 9.59 min Scan# 1106

Delta R.T. -0.15 min

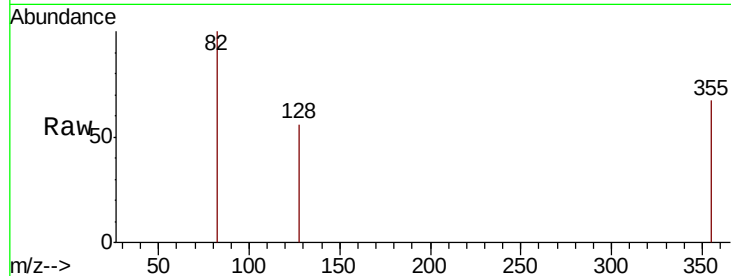
Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

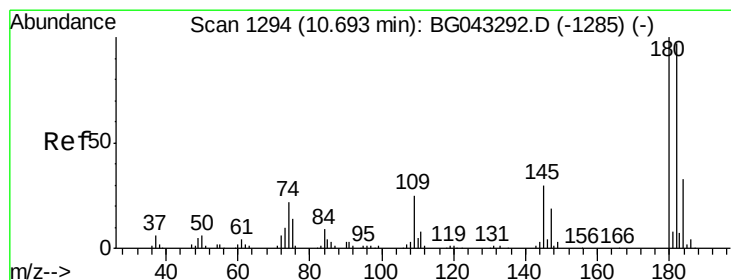
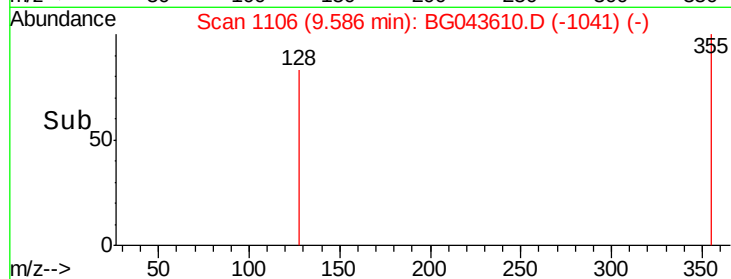
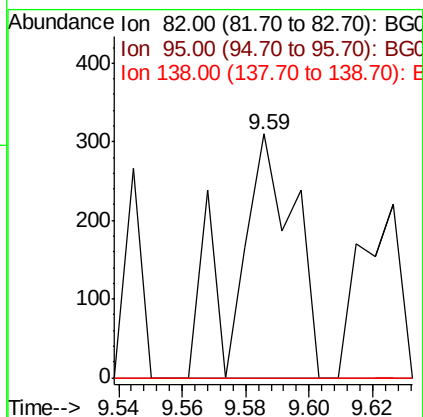
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	82	Resp:	401
Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.6	9.8#
138	0.0	15.2	22.8#



#30

1,2,4-Trichlorobenzene

Concen: 0.023 ng

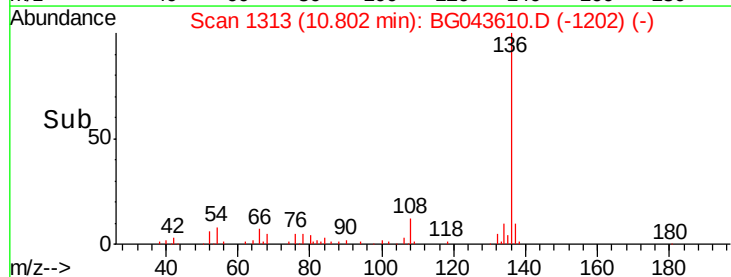
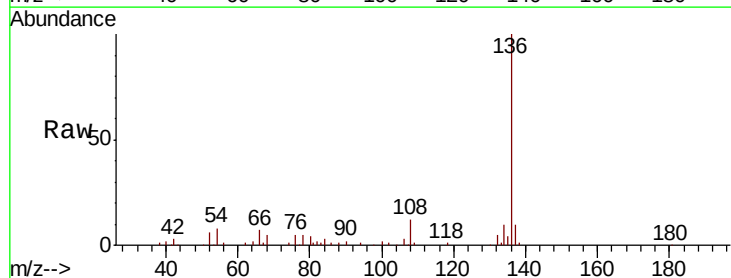
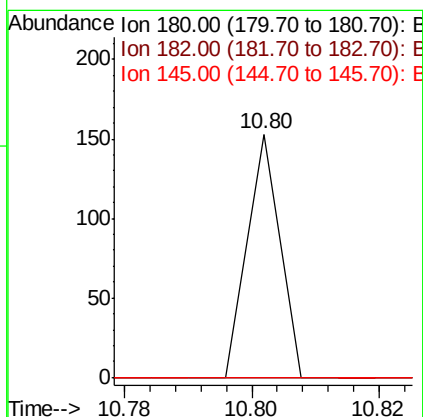
RT: 10.80 min Scan# 1313

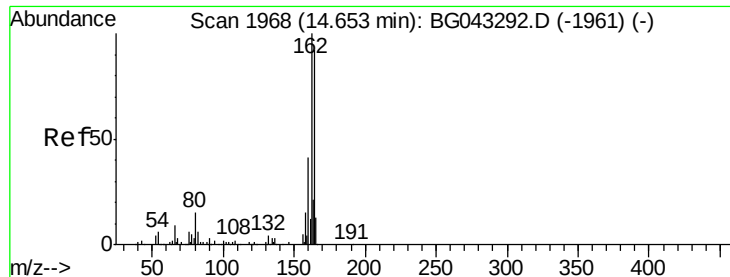
Delta R.T. 0.12 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Tgt Ion:	180	Resp:	54
Ion	Ratio	Lower	Upper
180	100		
182	0.0	75.1	112.7#
145	0.0	23.9	35.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

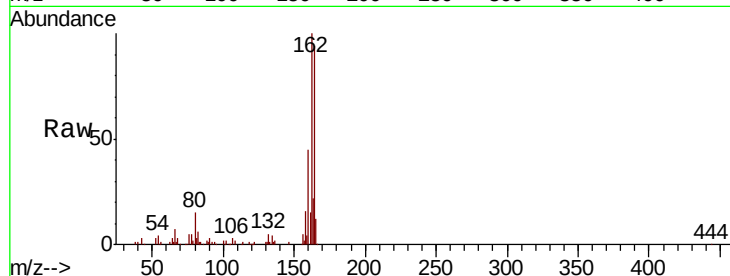
Tot Ion:164 Resp: 82680

Ion Ratio Lower Upper

164 100

162 106.0 83.5 125.3

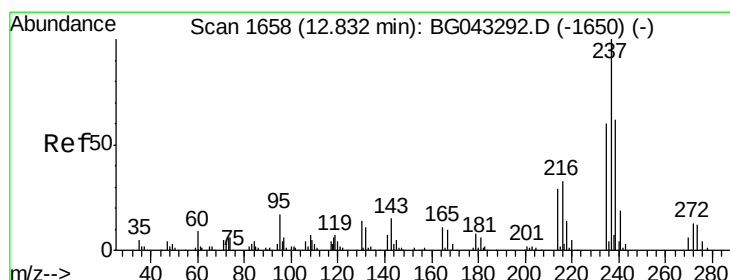
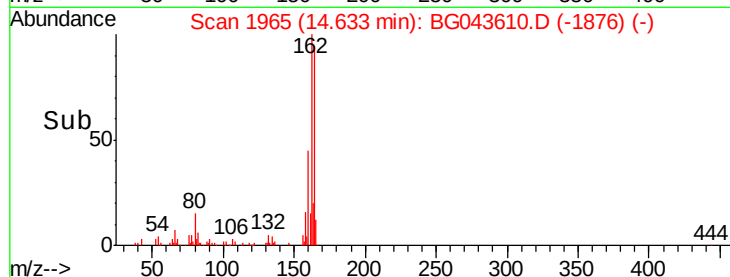
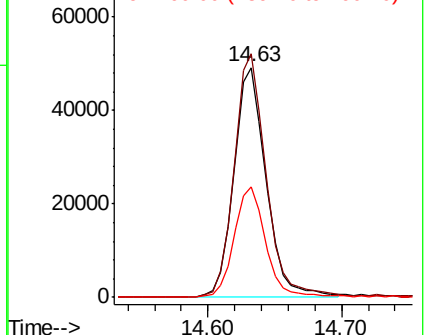
160 47.9 36.5 54.7



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



#41

Hexachlorocyclopentadiene

Concen: 0.034 ng

RT: 12.36 min Scan# 1579

Delta R.T. -0.45 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

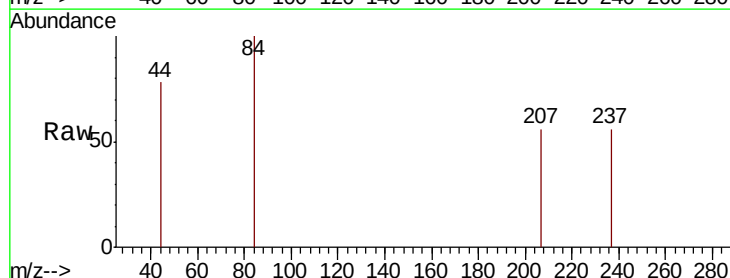
Tgt Ion:237 Resp: 54

Ion Ratio Lower Upper

237 100

235 0.0 41.6 81.6#

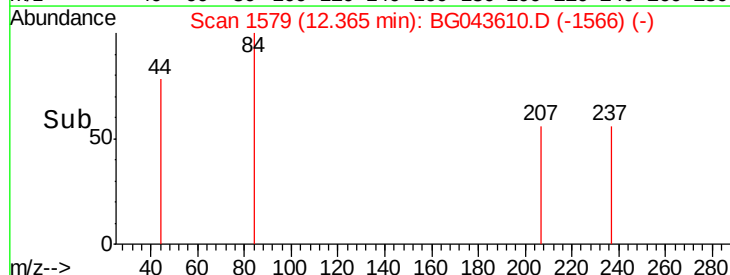
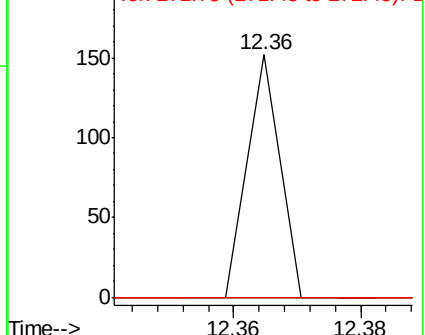
272 0.0 0.0 32.5

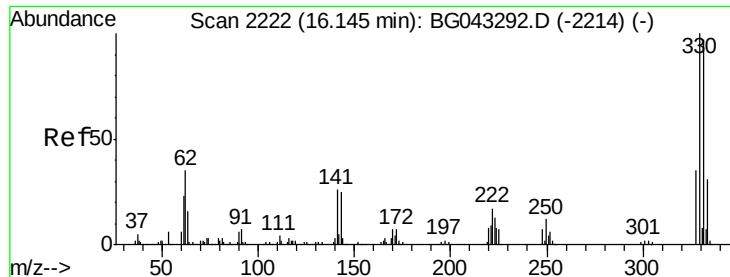


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

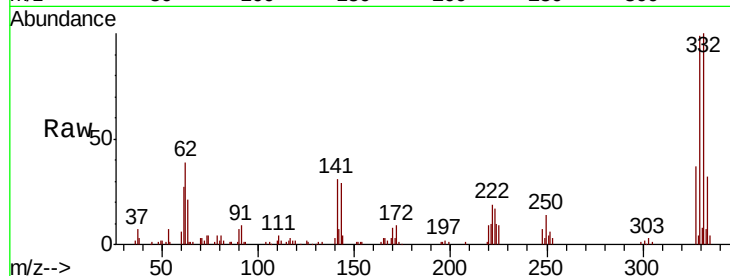




#42
 2,4,6-Tribromophenol
 Concen: 45.058 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG043610.D
 Acq: 12 Nov 2019 9:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.5	77.4	116.0
141	29.2	22.8	34.2

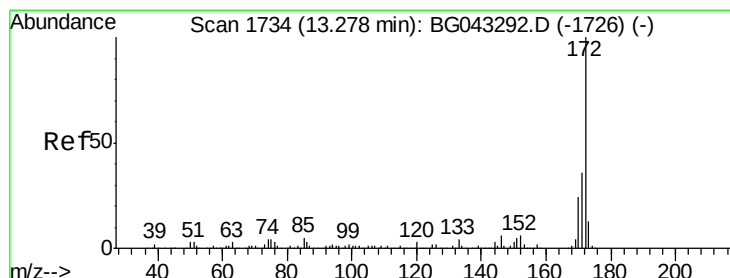
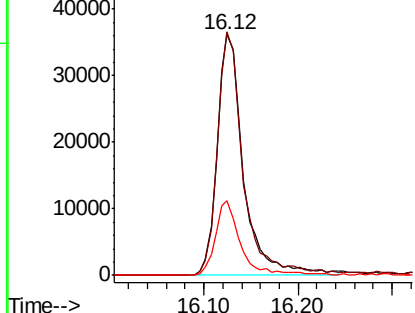
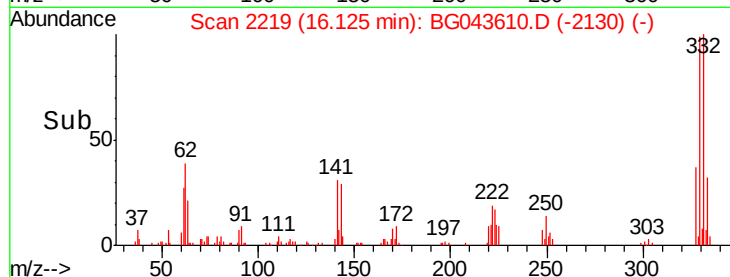


Abundance

Ion 329.80 (329.50 to 330.50): E

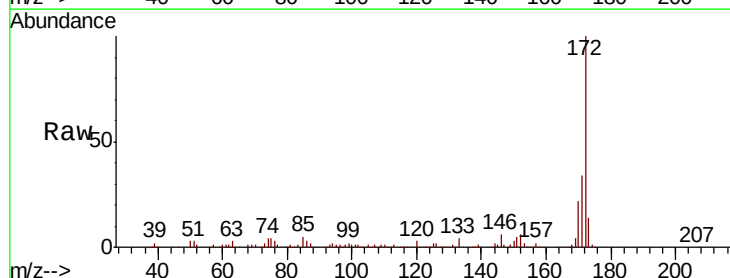
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 51.981 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043610.D
 Acq: 12 Nov 2019 9:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.9	43.3
170	22.3	18.5	27.7

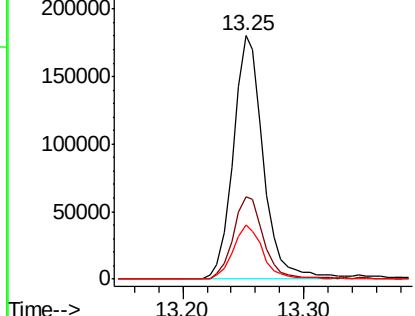
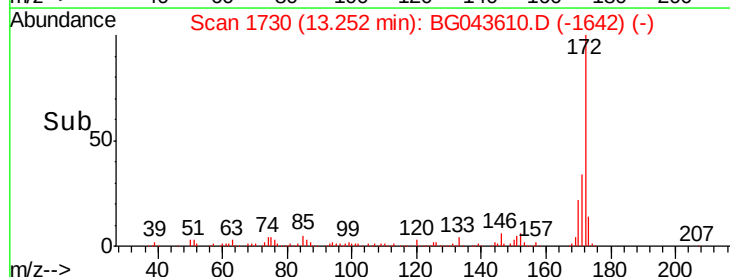


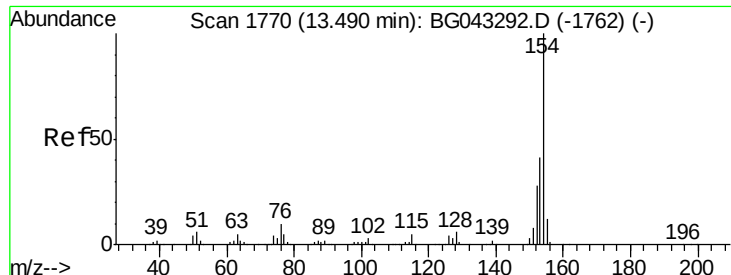
Abundance

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: 0.028 ng

RT: 13.48 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

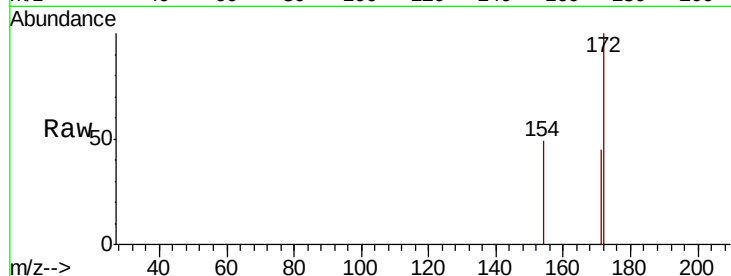
Tot Ion:154 Resp: 174

Ion Ratio Lower Upper

154 100

153 0.0 19.9 59.9#

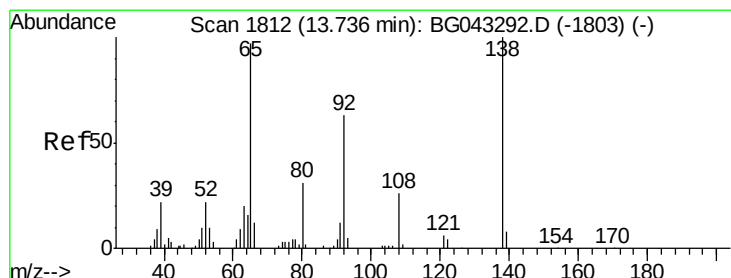
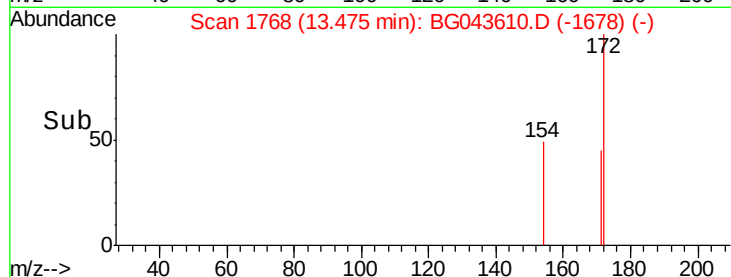
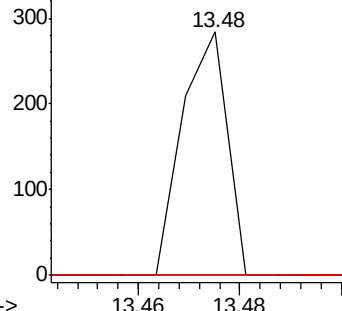
76 0.0 0.0 29.4



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: 0.038 ng

RT: 14.09 min Scan# 1873

Delta R.T. 0.37 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

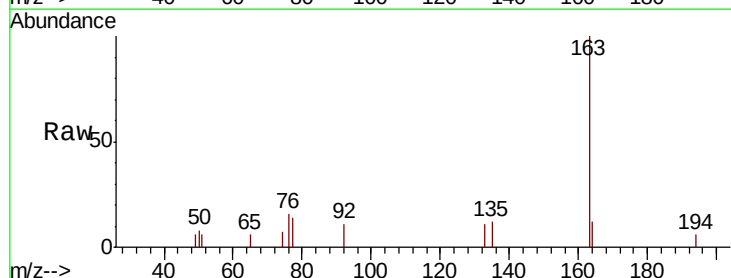
Tgt Ion: 65 Resp: 55

Ion Ratio Lower Upper

65 100

92 199.4 56.2 84.2#

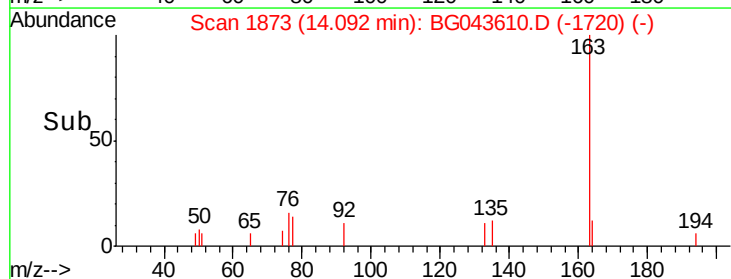
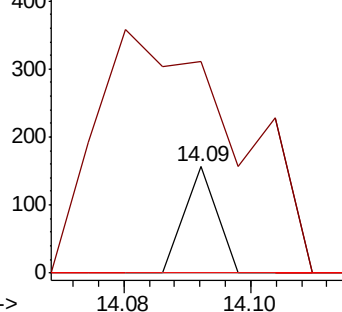
138 0.0 82.6 123.8#

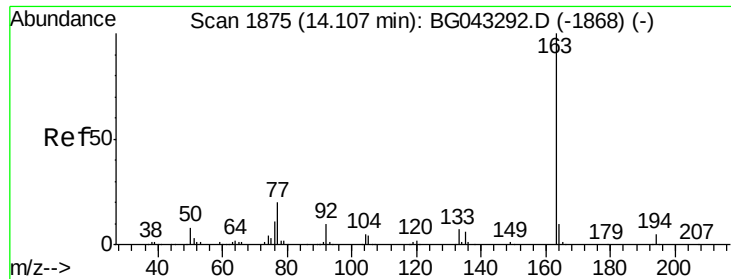


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 1.186 ng

RT: 14.09 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

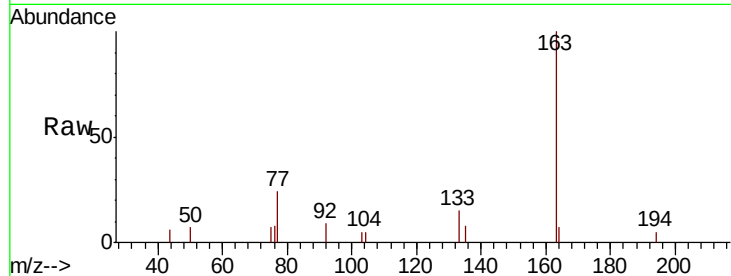
Tot Ion:163 Resp: 7597

Ion Ratio Lower Upper

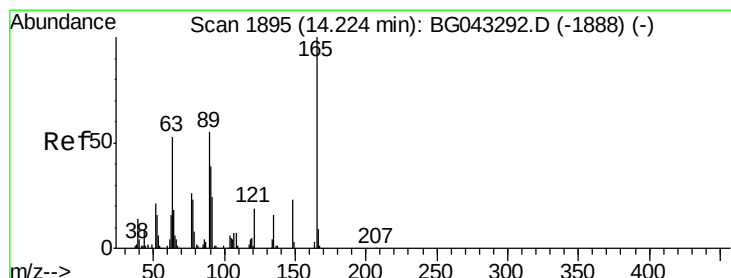
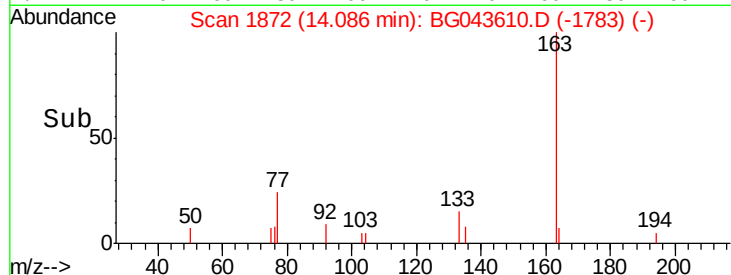
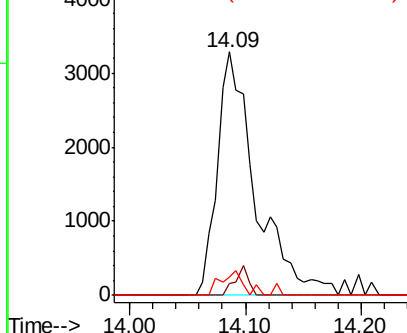
163 100

194 5.1 3.8 5.6

164 7.4 8.9 13.3#



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: 7.566 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.42 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

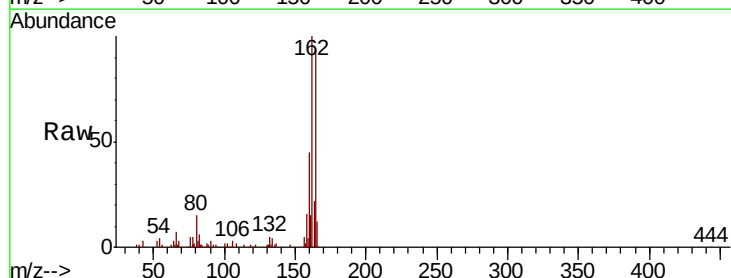
Tgt Ion:165 Resp: 10526

Ion Ratio Lower Upper

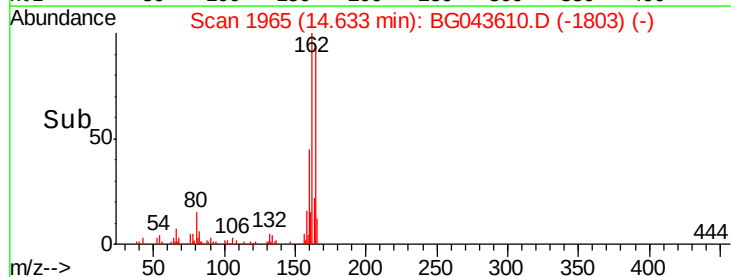
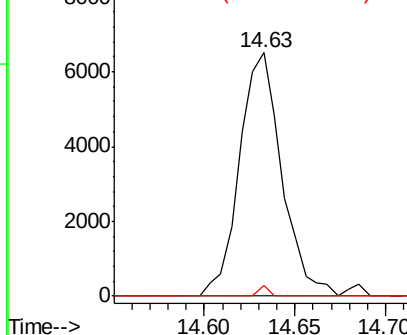
165 100

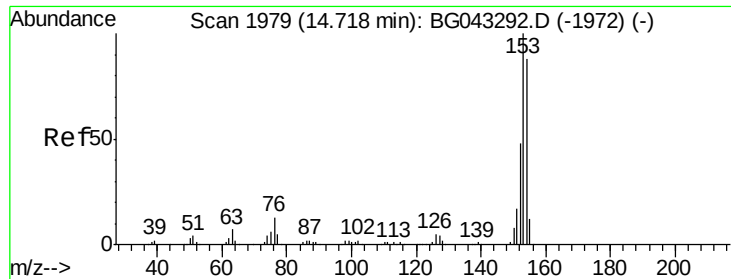
63 0.0 46.6 69.8#

89 4.2 45.1 67.7#



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: 0.020 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.08 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

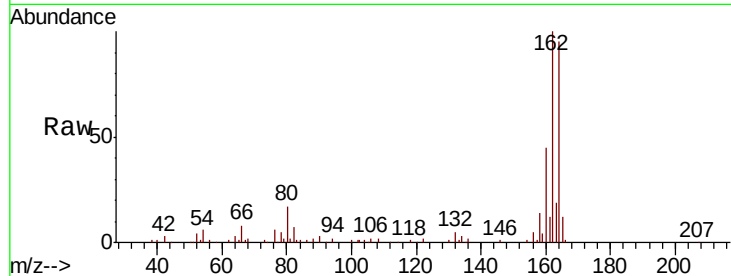
Tot Ion:154 Resp: 93

Ion Ratio Lower Upper

154 100

153 0.0 88.2 132.2#

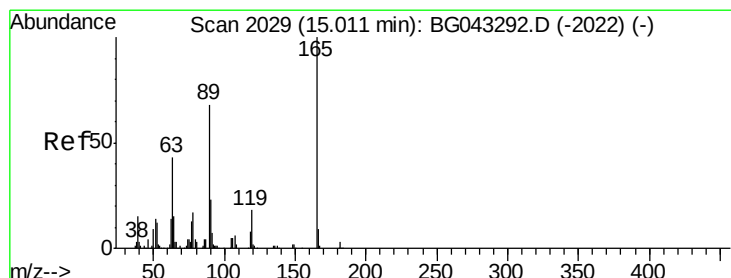
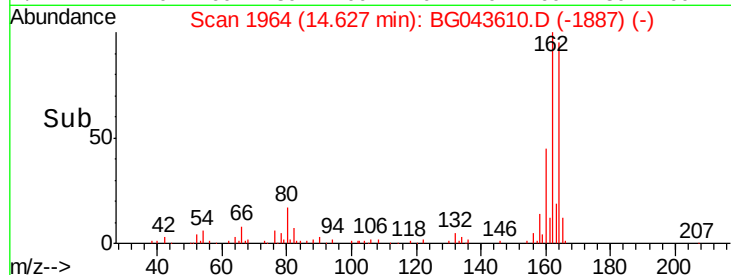
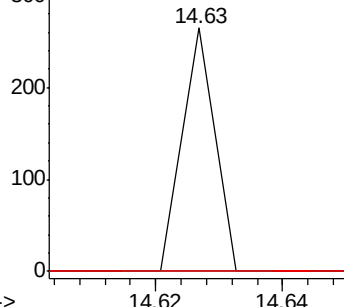
152 0.0 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 5.294 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.37 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Tgt Ion:165 Resp: 10526

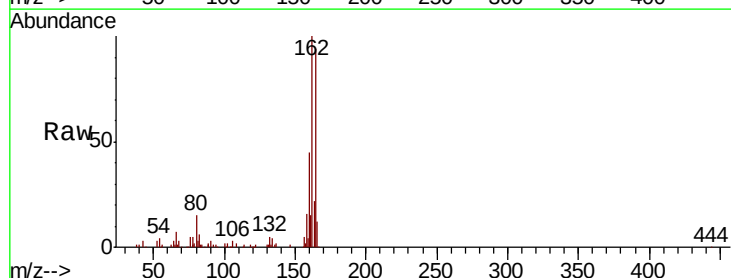
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 4.2 52.2 78.4#

182 0.0 2.0 3.0#

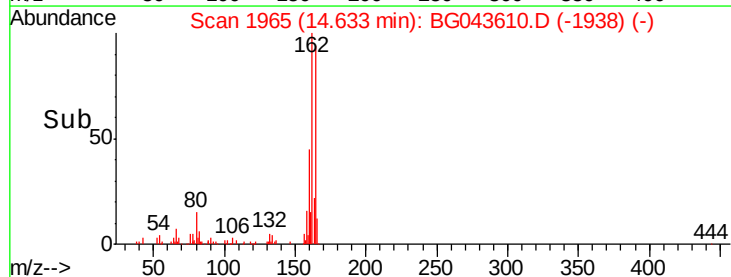
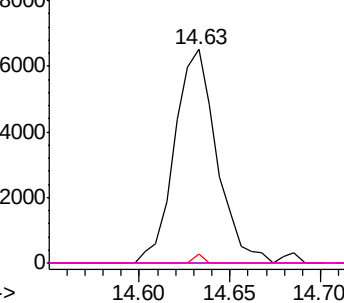


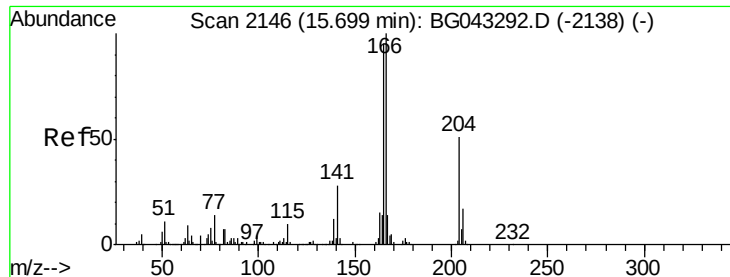
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.263 ng

RT: 16.12 min Scan# 2219

Delta R.T. 0.44 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampled :

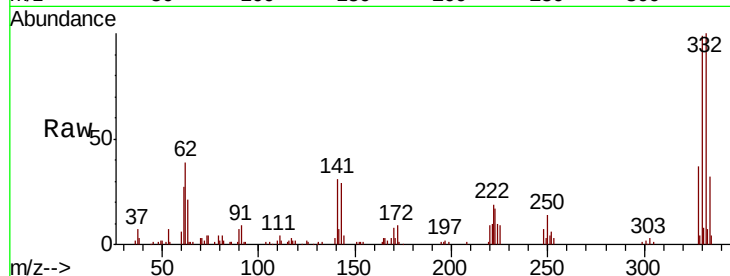
Tot Ion:166 Resp: 1627

Ion Ratio Lower Upper

166 100

165 210.5 79.0 118.6#

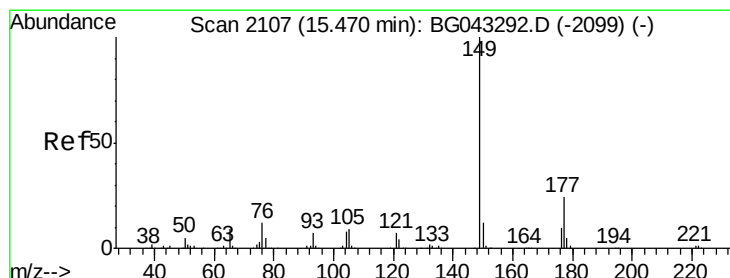
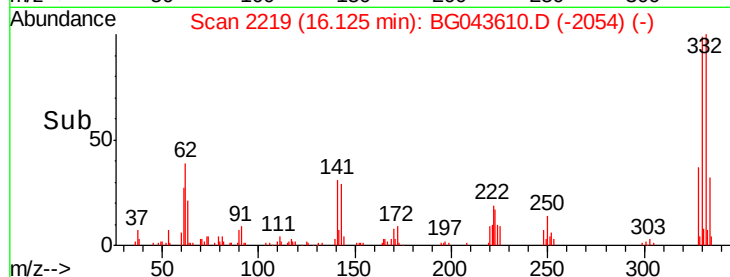
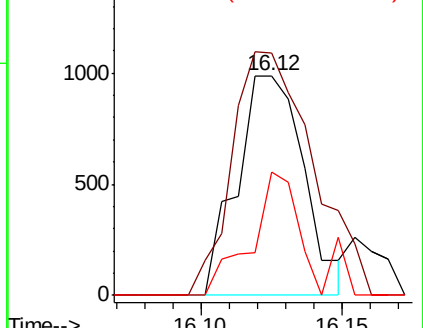
167 56.3 10.5 15.7#



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: 0.027 ng

RT: 15.44 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

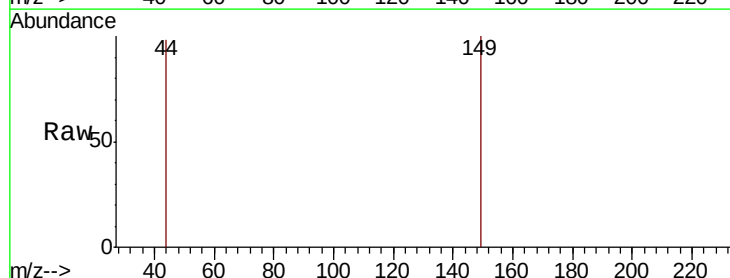
Tgt Ion:149 Resp: 174

Ion Ratio Lower Upper

149 100

177 0.0 19.6 29.4#

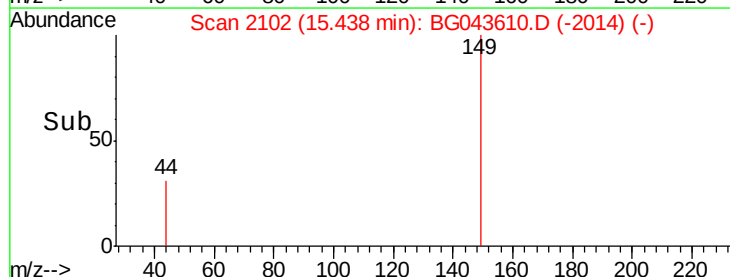
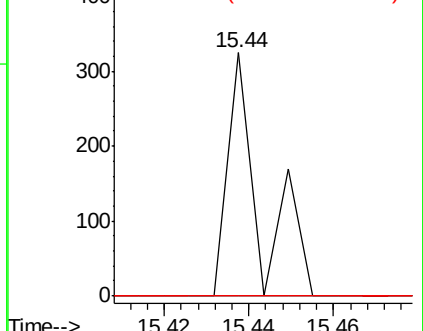
150 0.0 10.8 16.2#

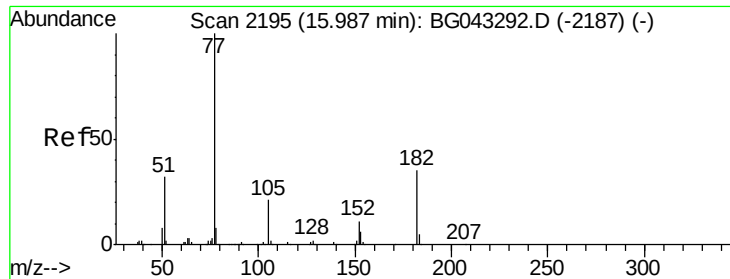


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.057 ng

RT: 16.12 min Scan# 2219

Delta R.T. 0.15 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 298

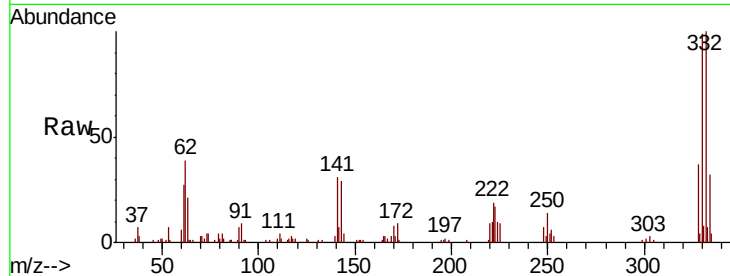
Ion Ratio Lower Upper

77 100

182 0.0 13.7 53.7#

105 0.0 0.4 40.4#

51 0.0 11.0 51.0#

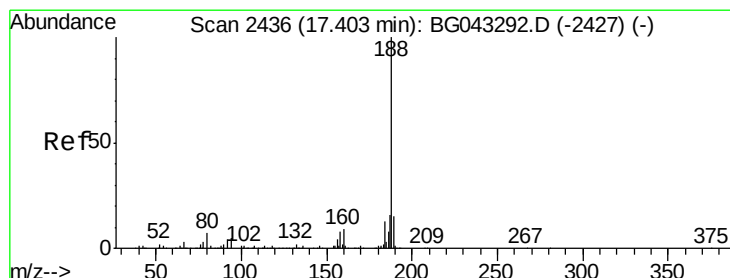
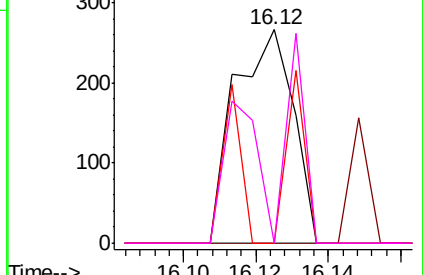
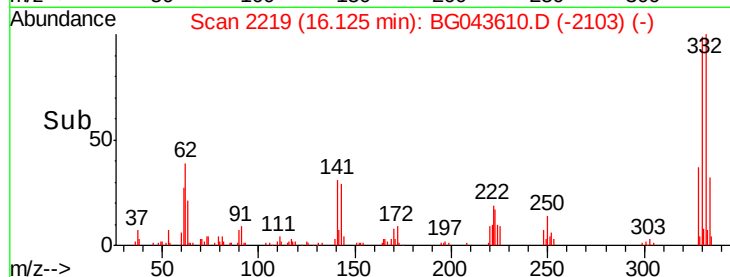


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

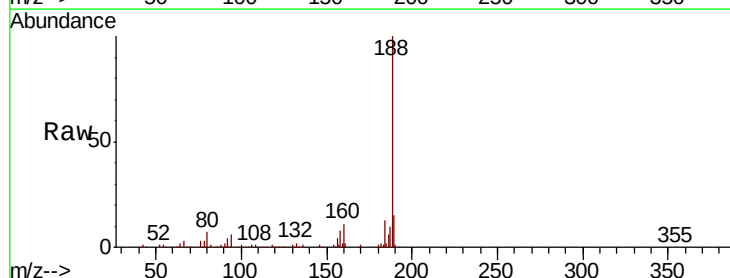
Tgt Ion: 188 Resp: 195744

Ion Ratio Lower Upper

188 100

94 6.3 4.2 6.4

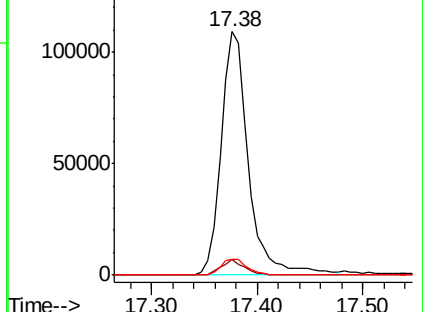
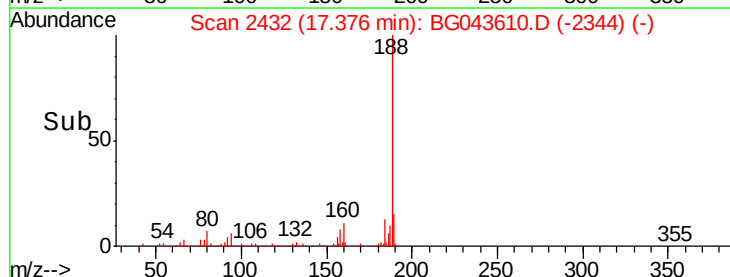
80 6.6 4.5 6.7

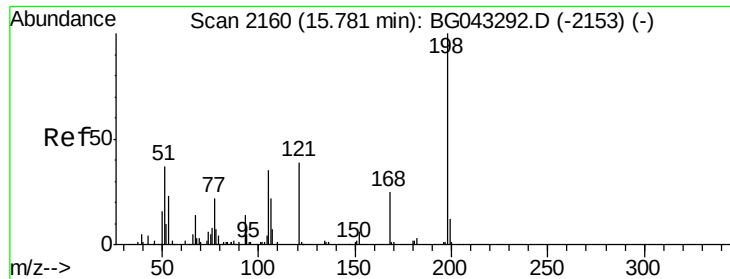


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

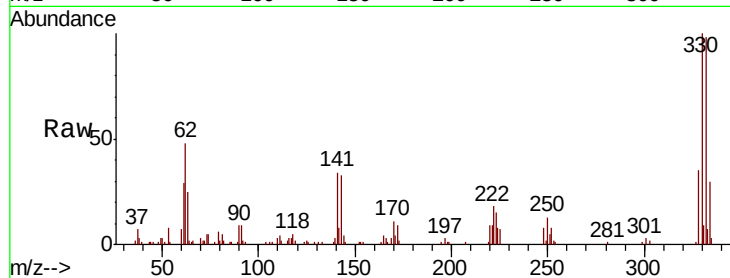




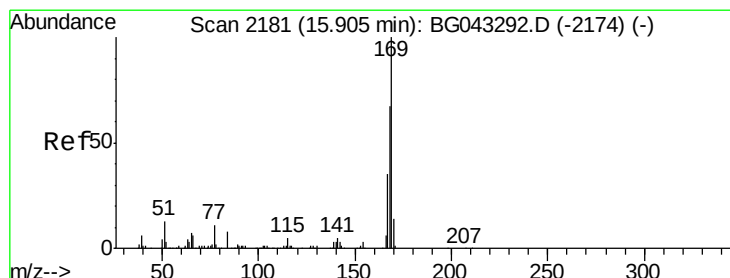
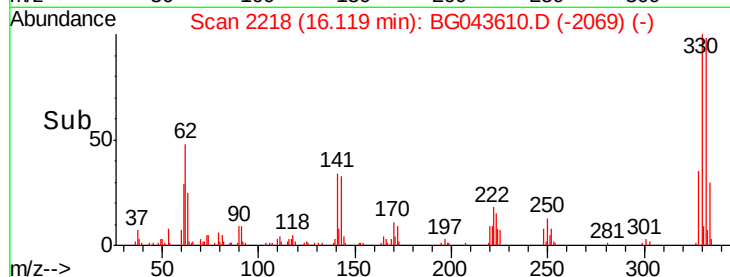
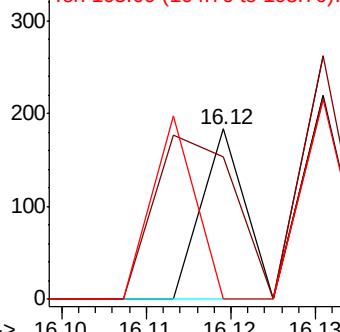
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.056 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. 0.34 min
 Lab File: BG043610.D
 Acq: 12 Nov 2019 9:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	84.2	13.2	53.2#
105	0.0	15.8	55.8#



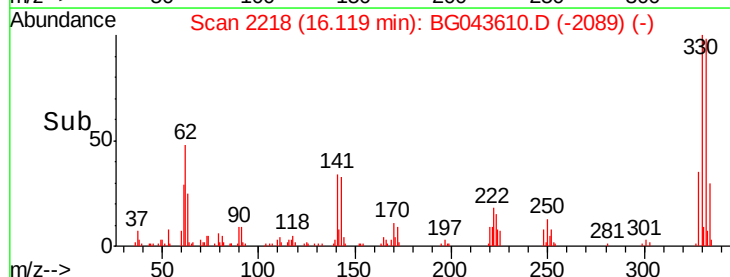
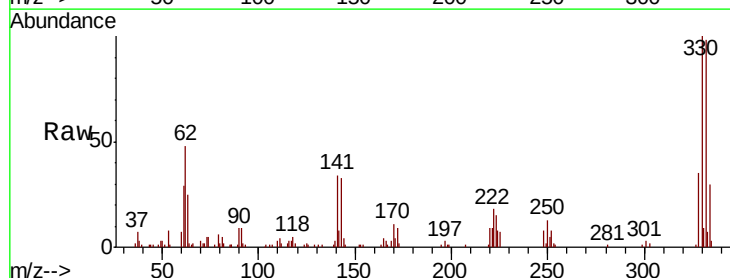
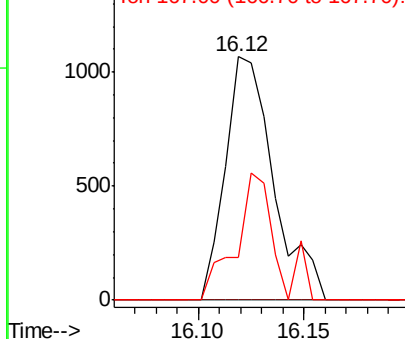
Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

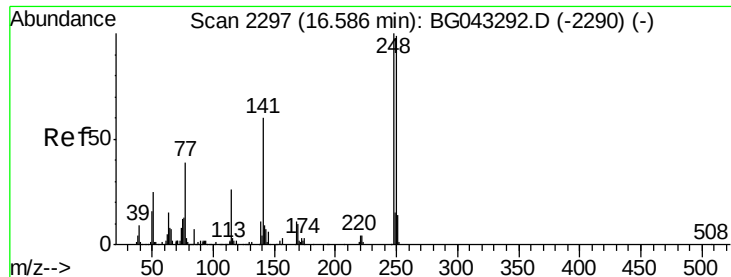


#66
 n-Nitrosodiphenylamine
 Concen: 0.307 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. 0.23 min
 Lab File: BG043610.D
 Acq: 12 Nov 2019 9:59

Tgt Ion	Ratio	Lower	Upper
169	100		
168	0.0	53.8	80.6#
167	17.7	27.5	41.3#

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: 1.649 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

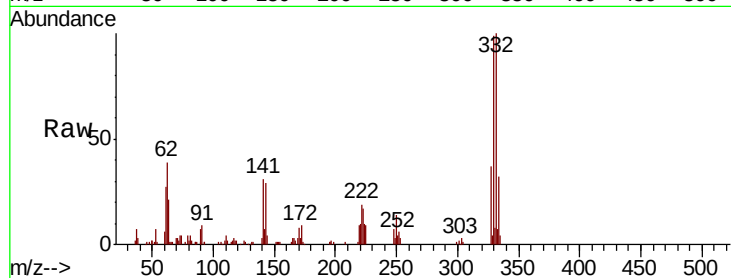
Tot Ion:248 Resp: 4345

Ion Ratio Lower Upper

248 100

250 199.4 77.0 115.4#

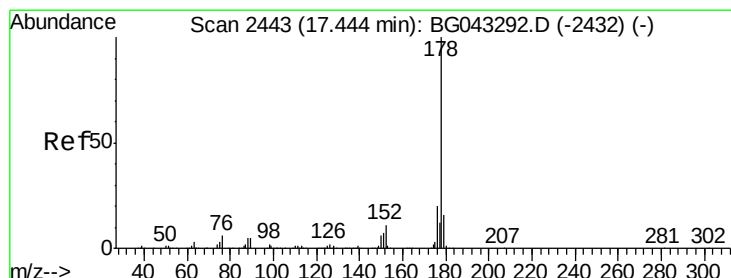
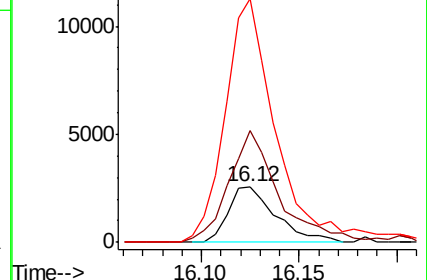
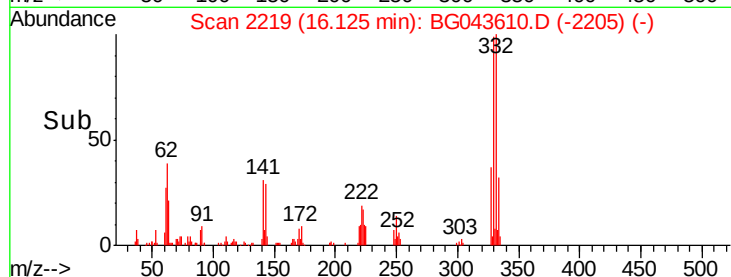
141 436.3 47.5 71.3#



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: 0.005 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.06 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

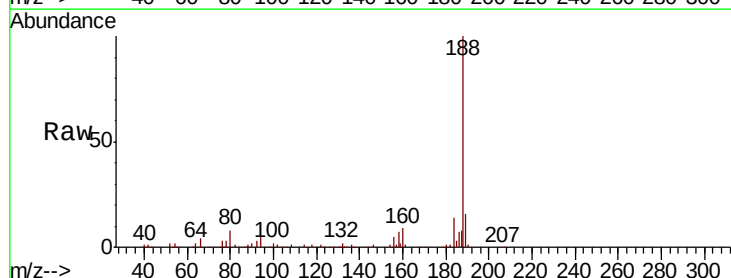
Tgt Ion:178 Resp: 54

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.0#

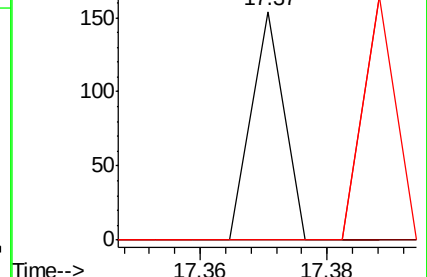
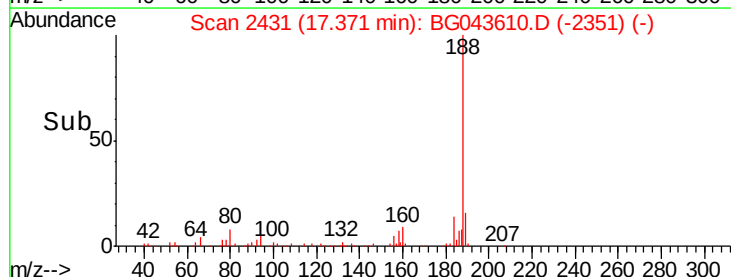
179 0.0 13.0 19.6#

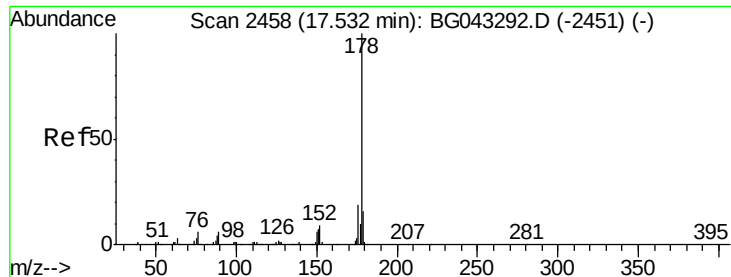


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 0.005 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.15 min

Lab File: BG043610.D

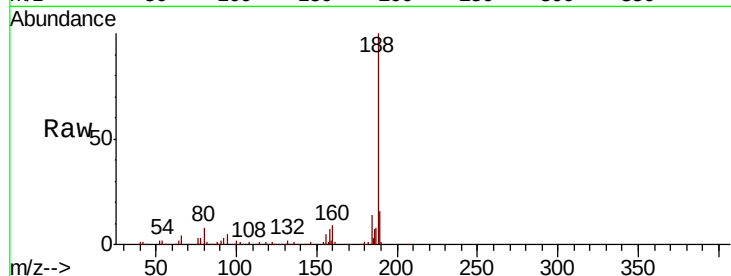
Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

Tot Ion:178	Resp:	54
Ion Ratio	Lower	Upper
178	100	
176	0.0	15.5 23.3#
179	0.0	13.7 20.5#



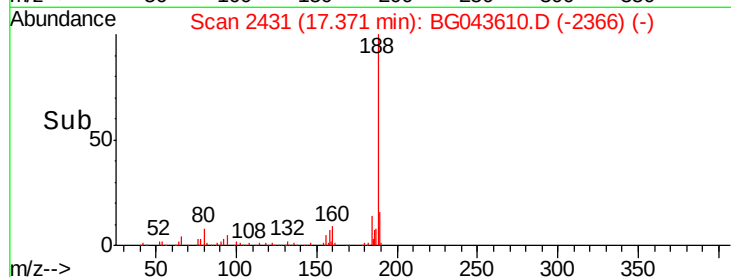
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

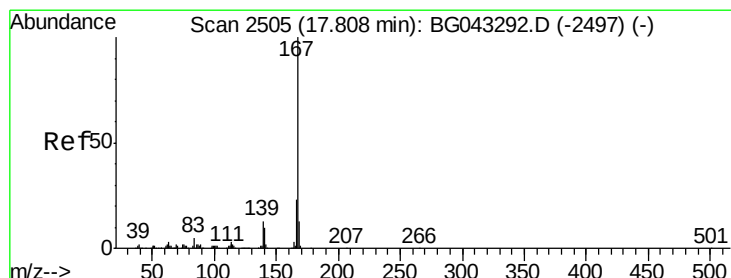
Ion 179.00 (178.70 to 179.70): E

17.37

17.38



Time-->



#73

Carbazole

Concen: 0.007 ng

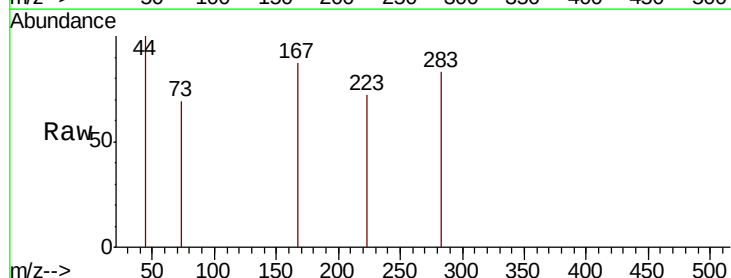
RT: 17.84 min Scan# 2511

Delta R.T. 0.04 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Tgt Ion:167	Resp:	67
Ion Ratio	Lower	Upper
167	100	
166	0.0	18.7 28.1#
139	0.0	10.0 15.0#



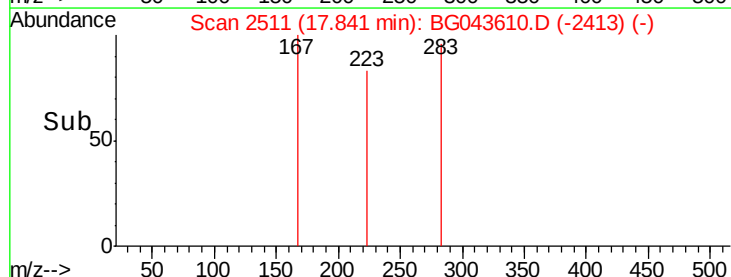
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

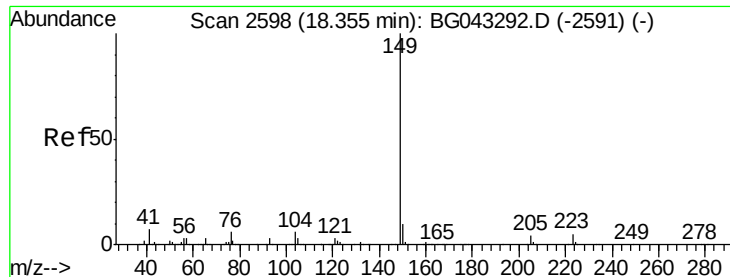
Ion 139.00 (138.70 to 139.70): E

17.84

17.86



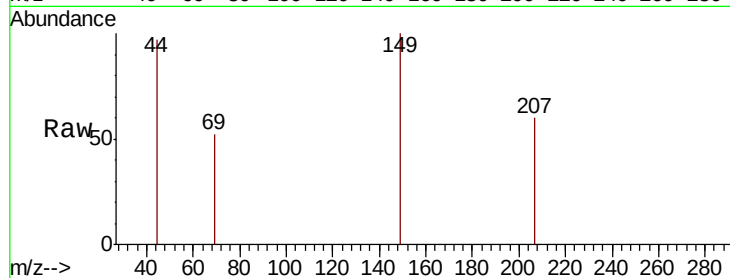
Time-->



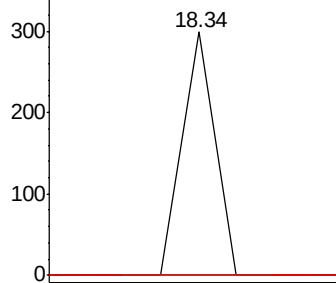
#74
Di-n-butylphthalate
Concen: 0.010 ng
RT: 18.34 min Scan# 2596
Delta R.T. -0.00 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

Instrument :
BNA_G
ClientSampleId :

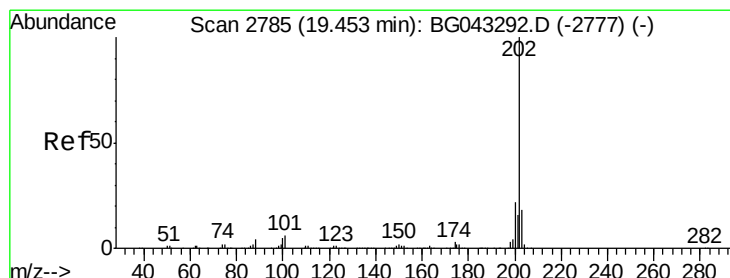
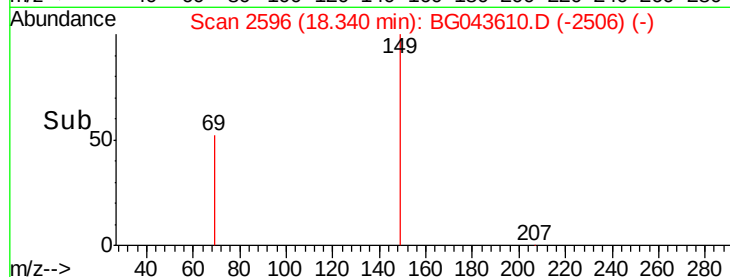
Tot Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.0	12.0#
104	0.0	4.4	6.6#



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

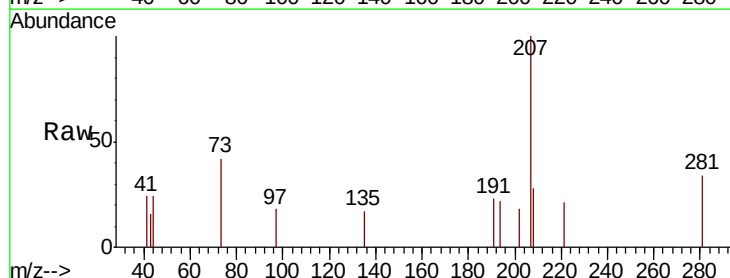


Time--> 18.32 18.34

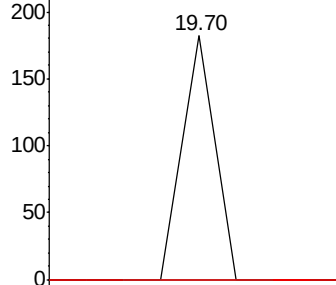


#75
Fluoranthene
Concen: 0.005 ng
RT: 19.70 min Scan# 2828
Delta R.T. 0.26 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

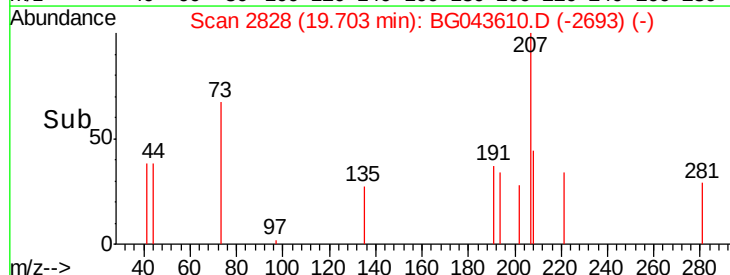
Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	26.3
203	0.0	0.0	37.9

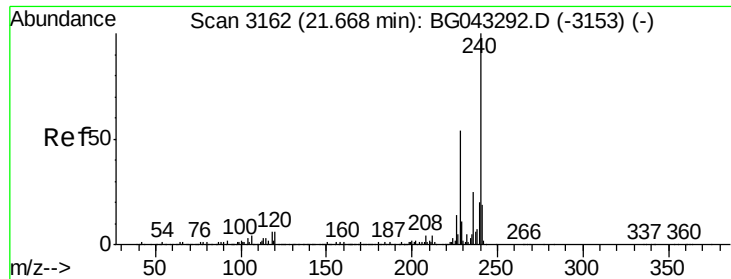


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.68 19.70 19.72





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

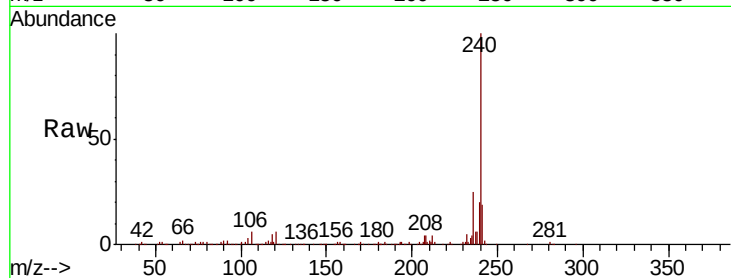
Tot Ion:240 Resp: 206856

Ion Ratio Lower Upper

240 100

120 5.9 4.6 6.8

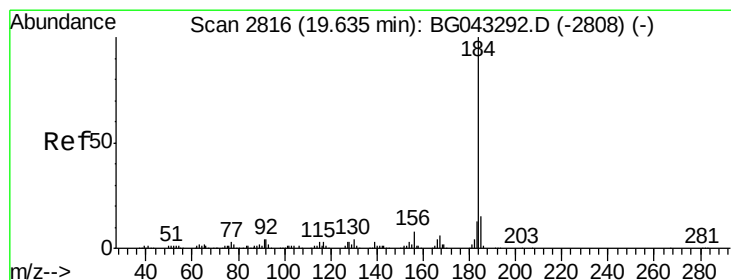
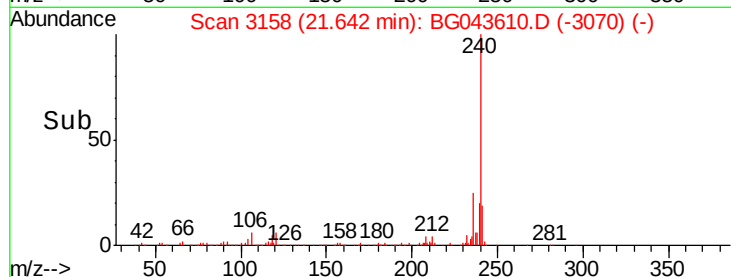
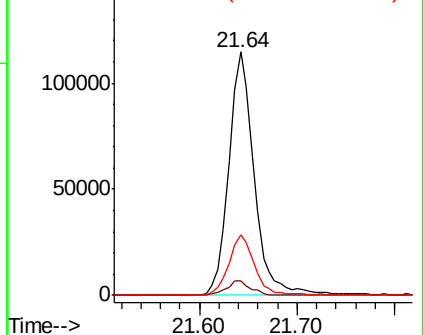
236 24.8 19.8 29.8



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: 2.047 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.36 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

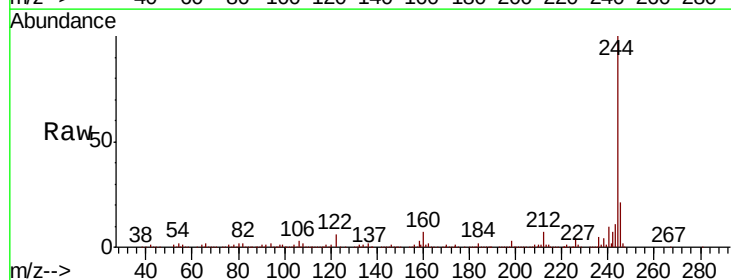
Tgt Ion:184 Resp: 8521

Ion Ratio Lower Upper

184 100

185 13.1 11.0 16.4

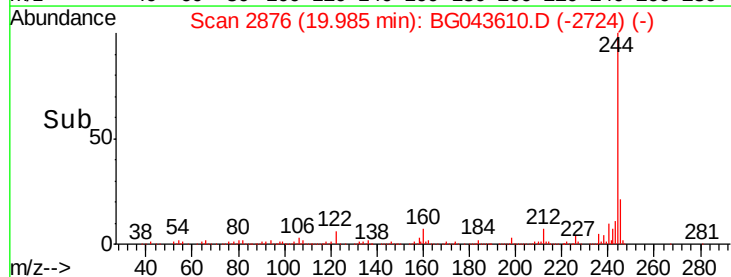
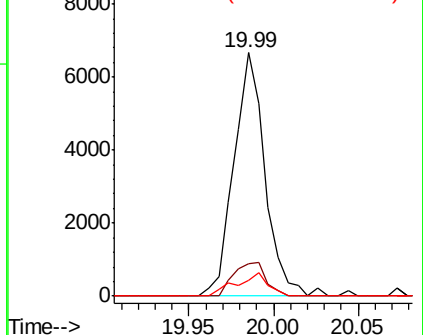
183 6.3 10.0 15.0#

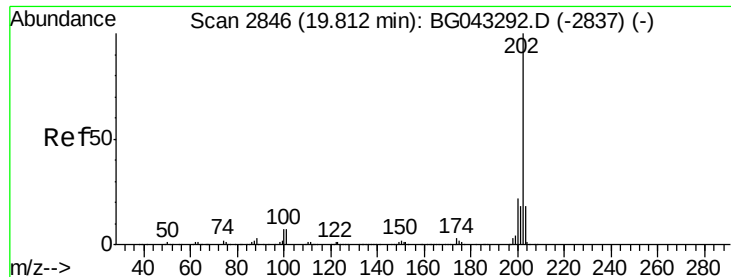


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 0.009 ng

RT: 19.80 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampleId :

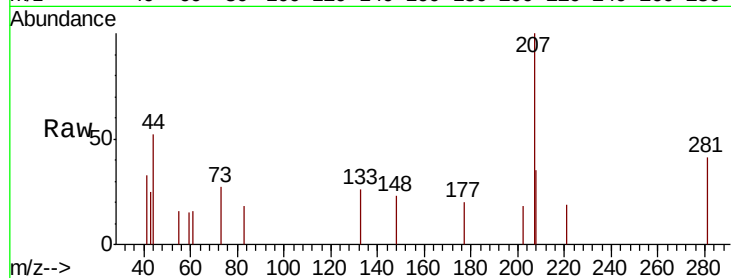
Tot Ion:202 Resp: 121

Ion Ratio Lower Upper

202 100

200 0.0 17.0 25.4#

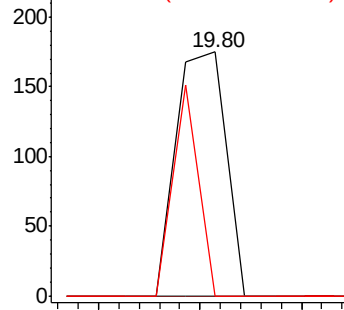
203 0.0 14.7 22.1#



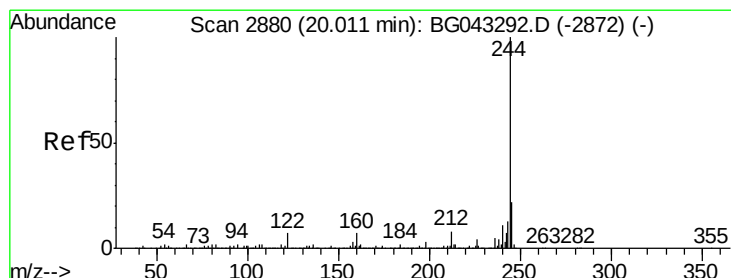
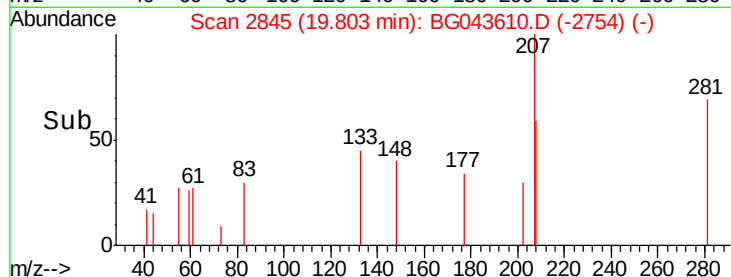
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 54.079 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

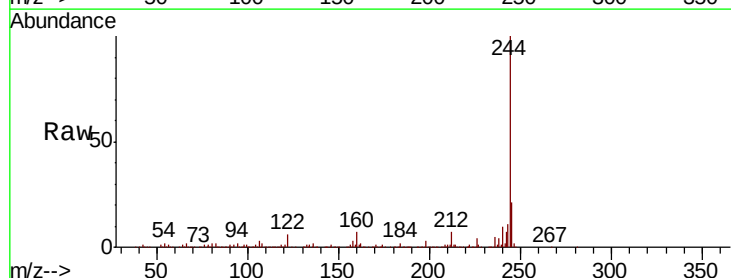
Tgt Ion:244 Resp: 596277

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

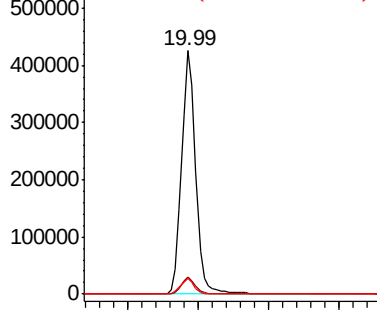
122 6.3 5.4 8.2



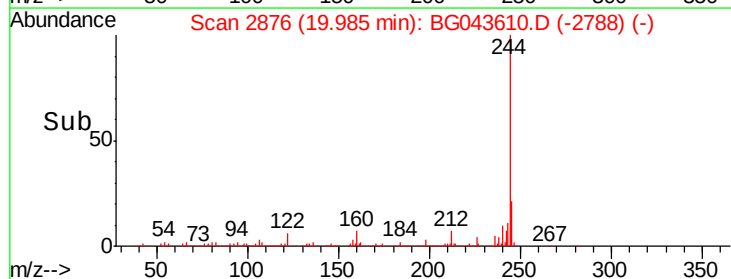
Abundance Ion 244.00 (243.70 to 244.70): E

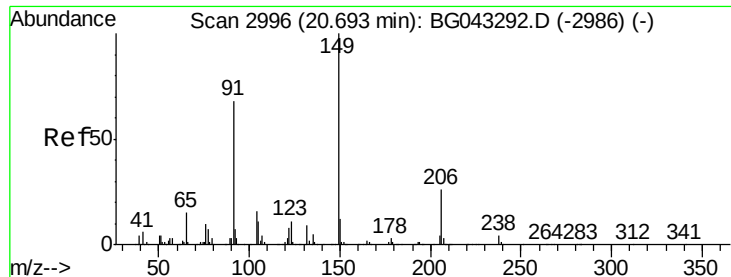
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

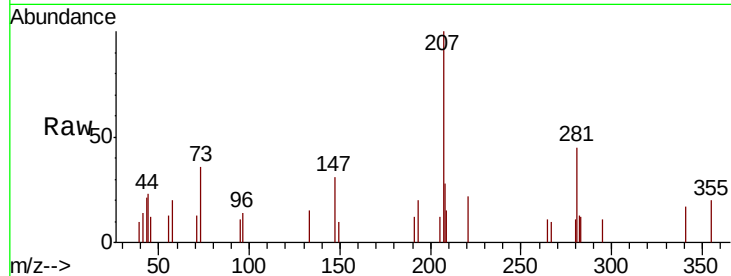




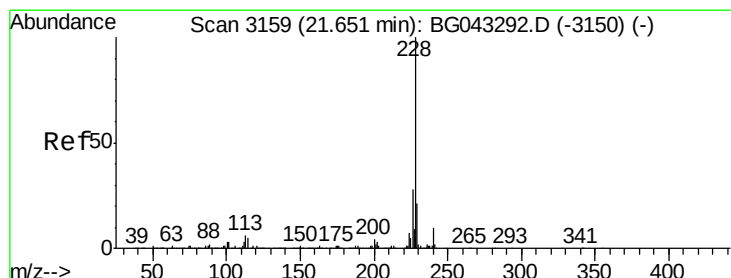
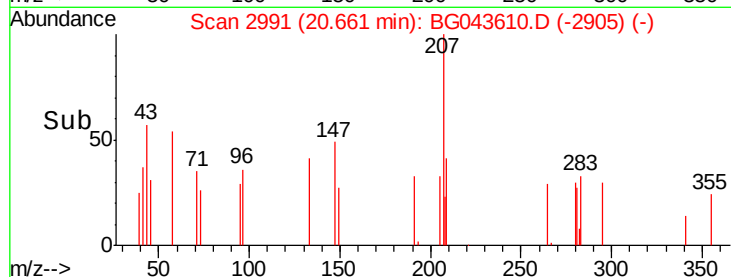
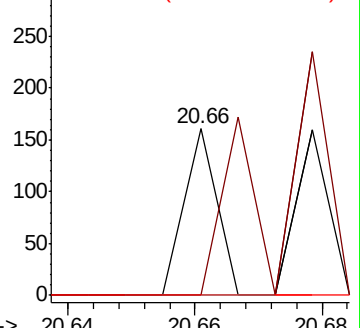
#80
Butylbenzylphthalate
Concen: 0.012 ng
RT: 20.66 min Scan# 2991
Delta R.T. -0.03 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	51.2	76.8#
206	0.0	22.5	33.7#

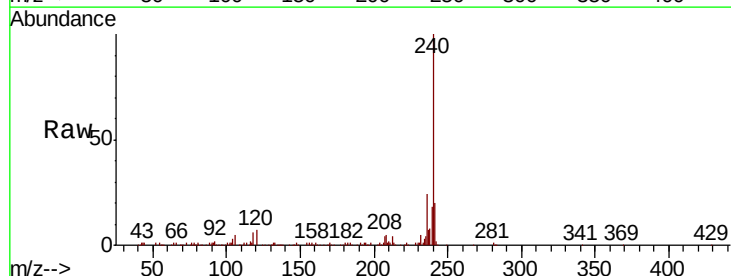


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

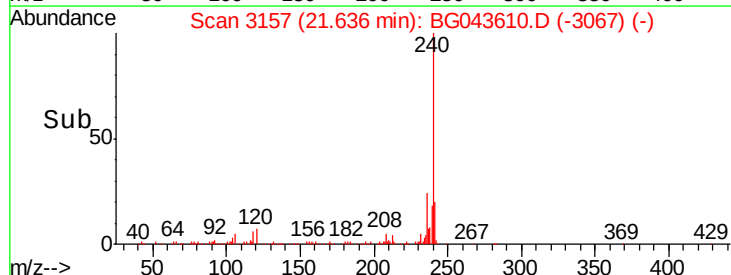
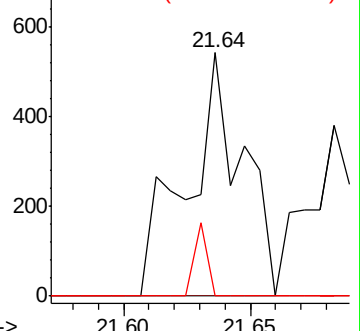


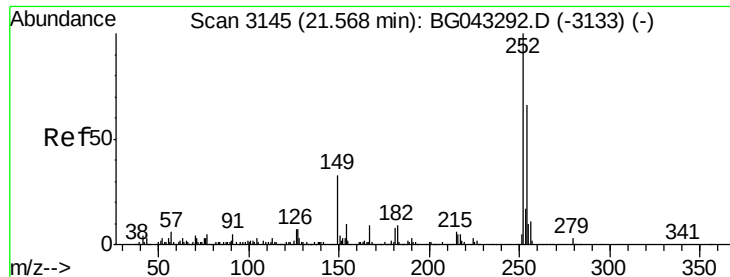
#81
Benzo(a)anthracene
Concen: 0.064 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.00 min
Lab File: BG043610.D
Acq: 12 Nov 2019 9:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.2	33.2#
229	0.0	17.0	25.4#



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: 0.037 ng

RT: 21.56 min Scan# 3144

Delta R.T. 0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampled :

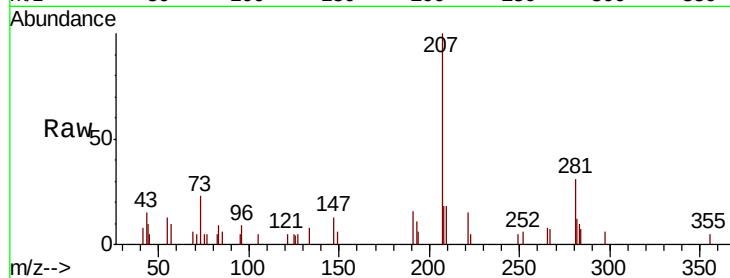
Tot Ion:252 Resp: 184

Ion Ratio Lower Upper

252 100

254 0.0 50.8 76.2#

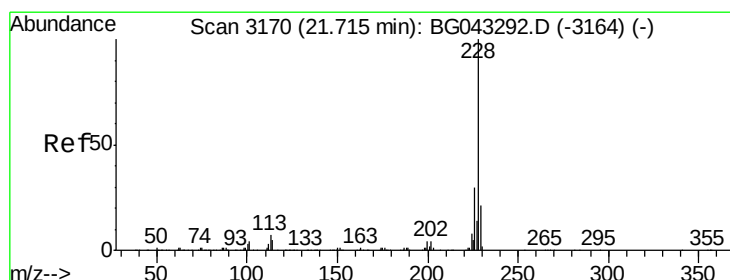
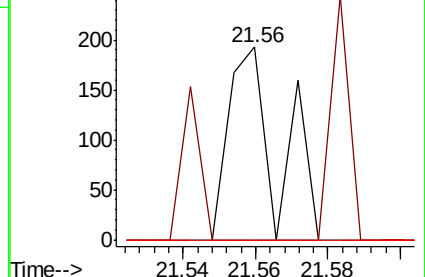
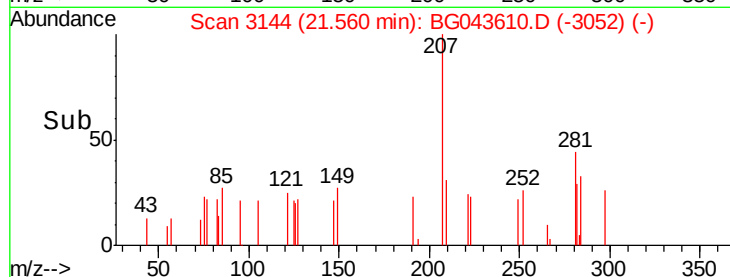
126 0.0 6.1 9.1#



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: 0.038 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

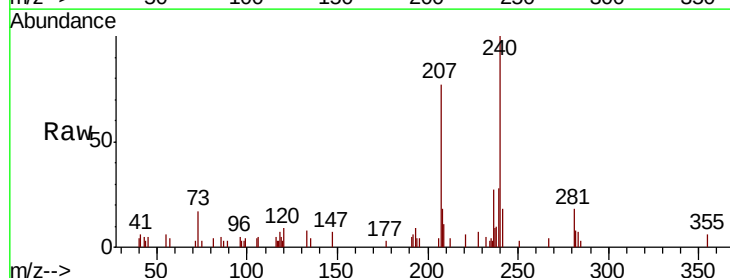
Tgt Ion:228 Resp: 492

Ion Ratio Lower Upper

228 100

226 0.0 25.1 37.7#

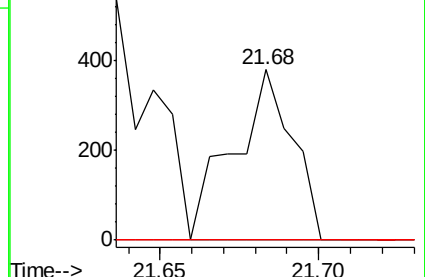
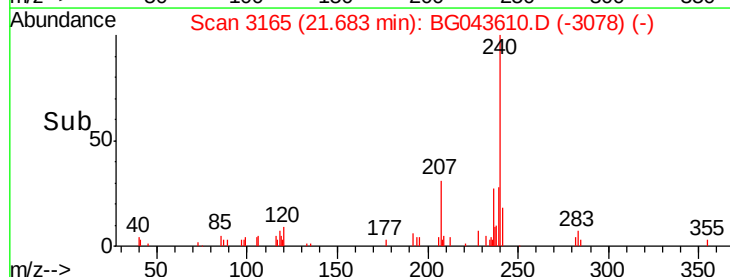
229 0.0 17.0 25.4#

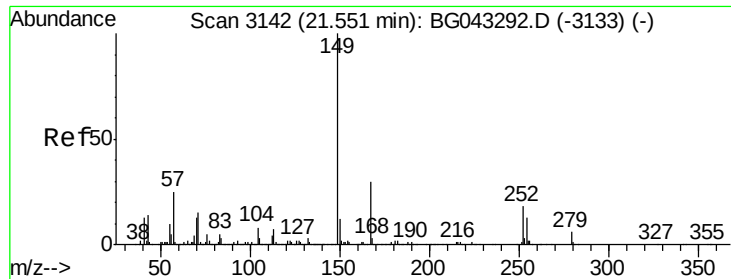


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

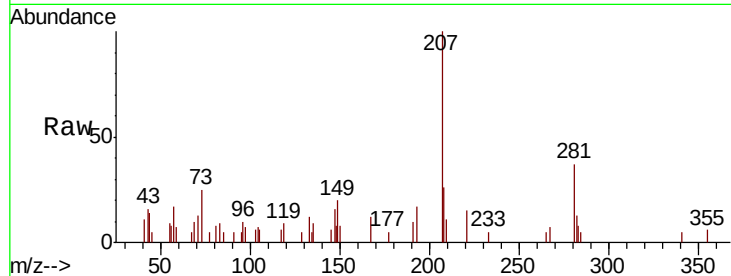




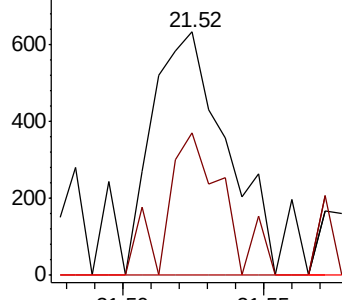
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.167 ng
 RT: 21.52 min Scan# 3138
 Delta R.T. -0.01 min
 Lab File: BG043610.D
 Acq: 12 Nov 2019 9:59

Instrument :
 BNA_G
 ClientSampleId :

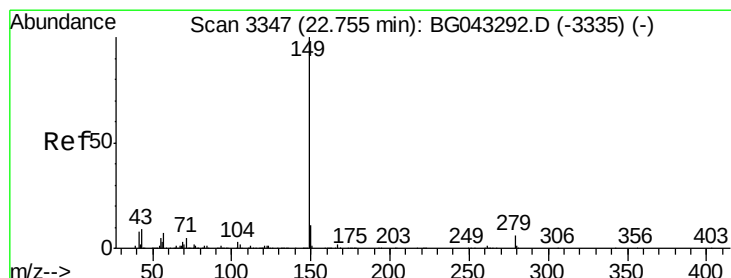
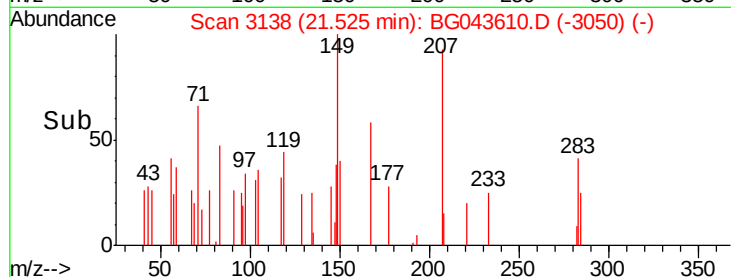
Tot Ion:149 Resp: 1149
 Ion Ratio Lower Upper
 149 100
 167 58.4 24.0 36.0#
 279 0.0 5.4 8.2#



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

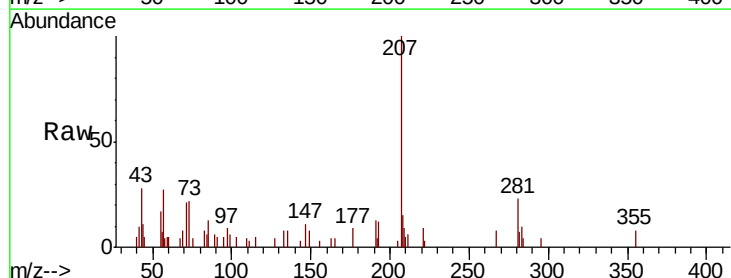


Time-->

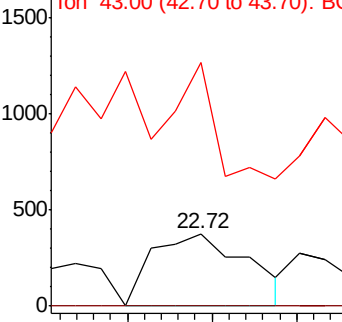


#85
 Di-n-octyl phthalate
 Concen: 0.050 ng
 RT: 22.72 min Scan# 3341
 Delta R.T. -0.02 min
 Lab File: BG043610.D
 Acq: 12 Nov 2019 9:59

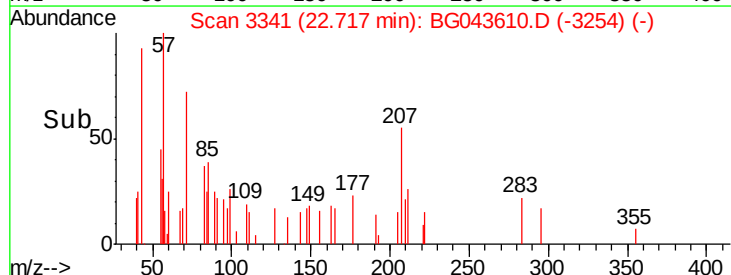
Tgt Ion:149 Resp: 583
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.4 2.2#
 43 0.0 7.0 10.6#

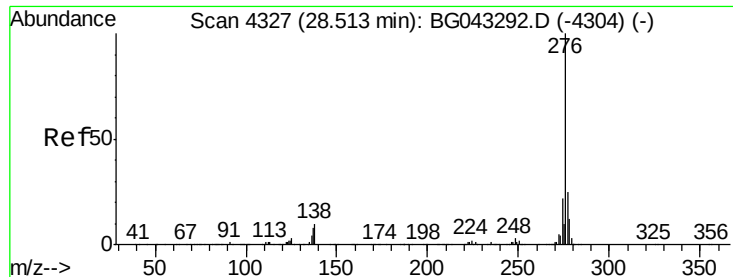


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BG



Time-->

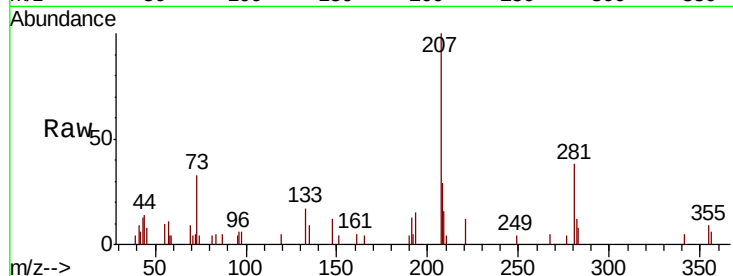




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.003 ng
 RT: 28.50 min Scan# 4325
 Delta R.T. 0.00 min
 Lab File: BG043610.D
 Acq: 12 Nov 2019 9:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	6.8	10.2#
277	0.0	20.9	31.3#



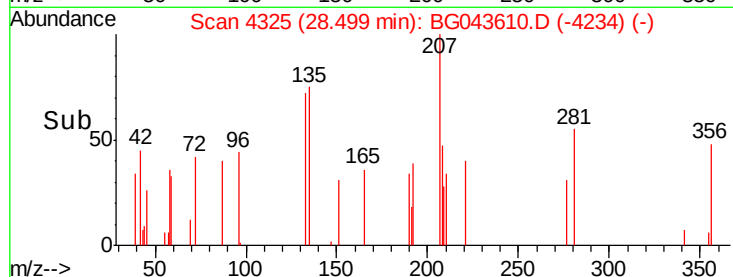
Abundance

Ion 276.00 (275.70 to 276.70): E

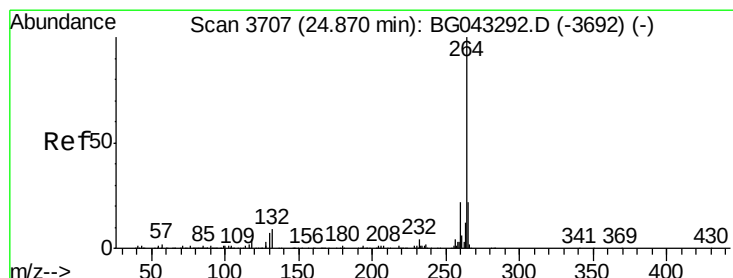
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

28.50

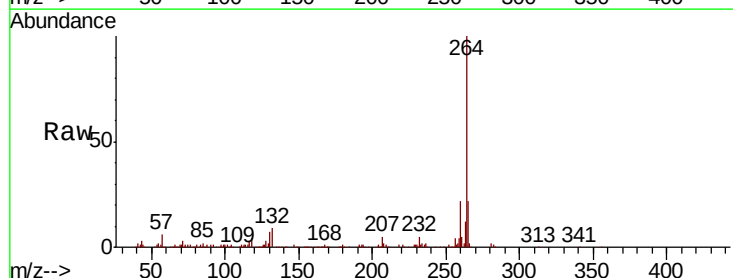


Time-->



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3700
 Delta R.T. -0.03 min
 Lab File: BG043610.D
 Acq: 12 Nov 2019 9:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.5	26.3
265	22.4	17.4	26.0



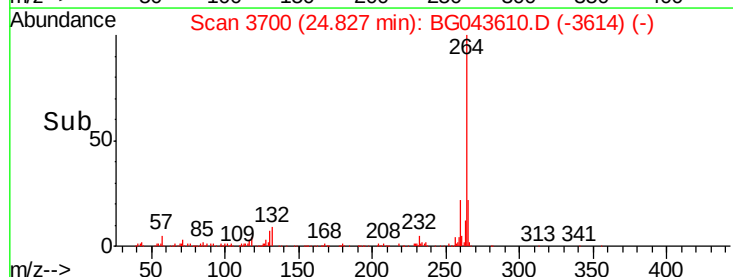
Abundance

Ion 264.00 (263.70 to 264.70): E

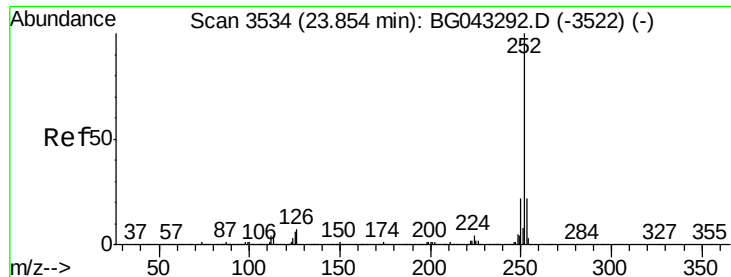
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

24.83



Time-->



#88

Benzo(b)fluoranthene

Concen: 0.022 ng

RT: 23.83 min Scan# 3530

Delta R.T. -0.01 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampled :

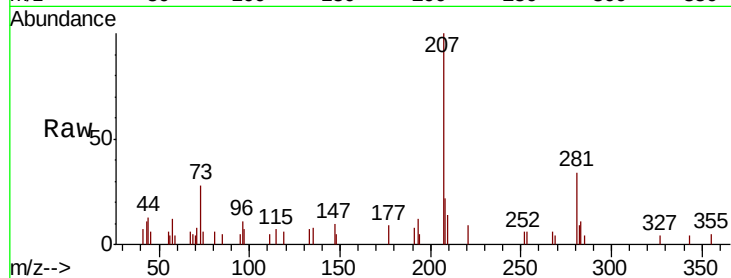
Tot Ion:252 Resp: 302

Ion Ratio Lower Upper

252 100

253 106.3 17.7 26.5#

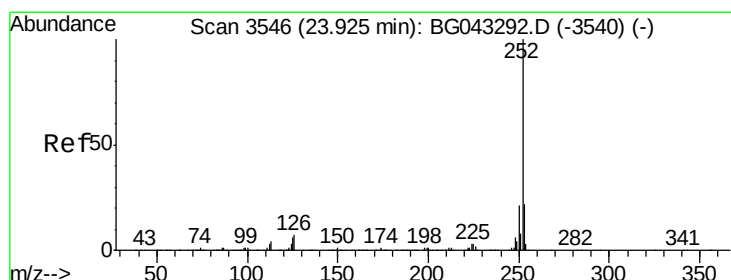
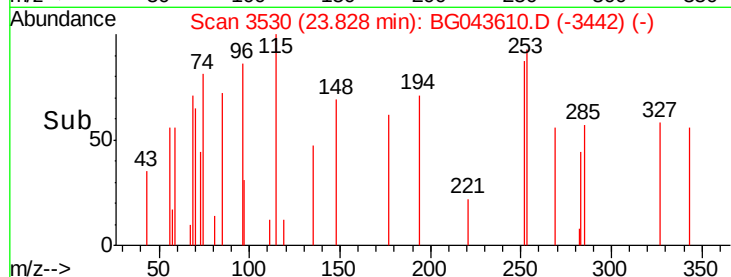
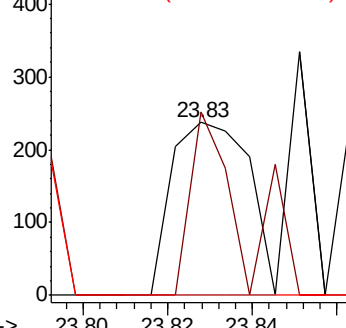
125 0.0 4.5 6.7#



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: 0.033 ng

RT: 23.87 min Scan# 3538

Delta R.T. -0.03 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

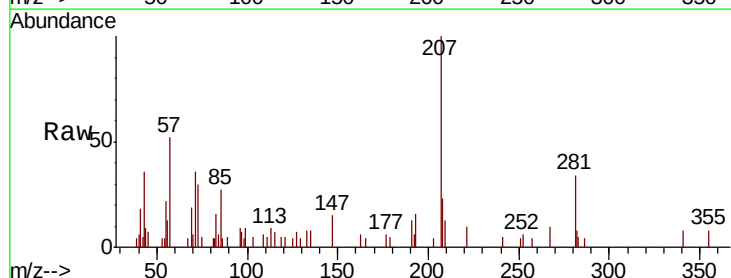
Tgt Ion:252 Resp: 464

Ion Ratio Lower Upper

252 100

253 0.0 17.3 25.9#

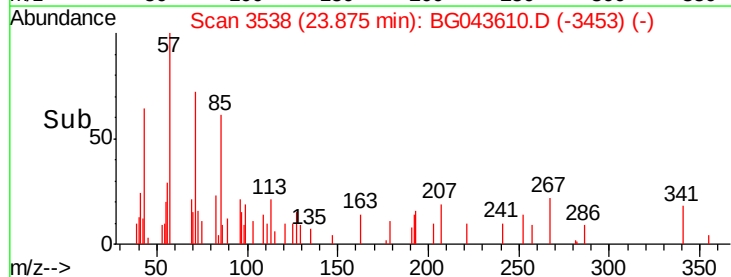
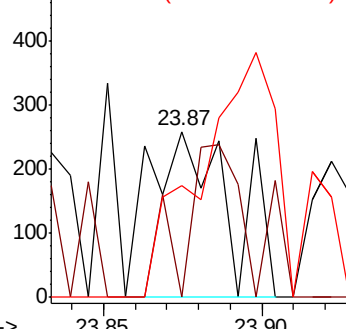
125 67.2 4.6 6.8#

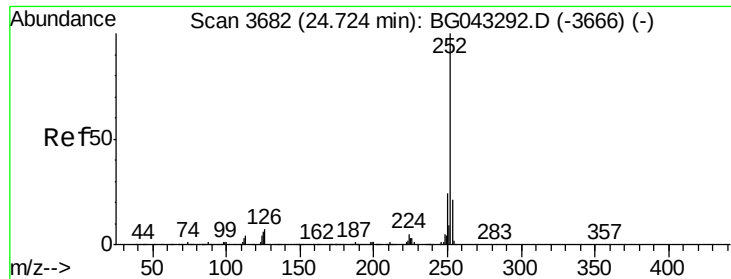


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.020 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.03 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

Instrument :

BNA_G

ClientSampled :

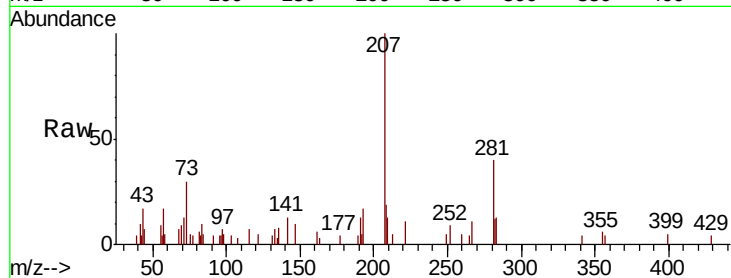
Tot Ion:252 Resp: 270

Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.8#

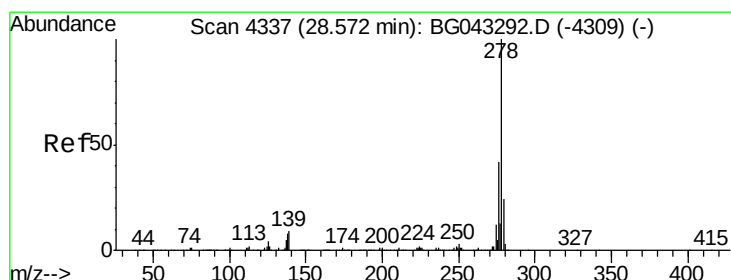
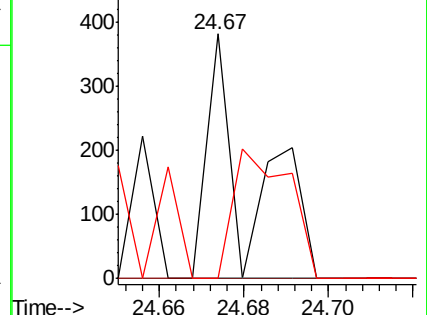
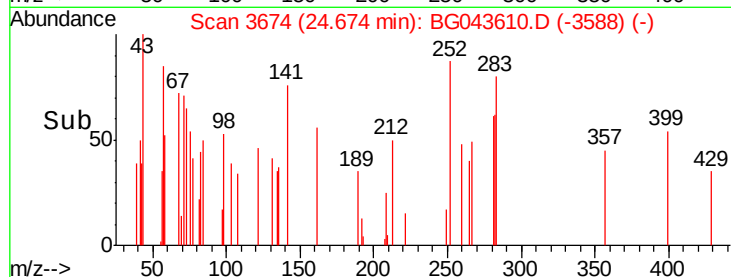
125 0.0 5.4 8.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 28.62 min Scan# 4345

Delta R.T. 0.06 min

Lab File: BG043610.D

Acq: 12 Nov 2019 9:59

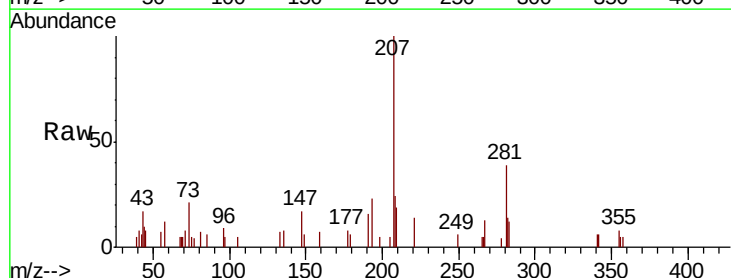
Tgt Ion:278 Resp: 53

Ion Ratio Lower Upper

278 100

139 0.0 7.4 11.0#

279 0.0 19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

