

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
 Data File : BG044429.D
 Acq On : 13 Feb 2020 22:35
 Operator : CG/JU
 Sample : L1509-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 02:57:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	100539	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	432740	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	261957	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	510990	20.00	ng	0.00
76) Chrysene-d12	21.54	240	466972	20.00	ng	0.00
87) Perylene-d12	24.63	264	519357	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	462079	81.11	ng	0.00
7) Phenol-d6	7.08	99	626842	81.94	ng	0.00
23) Nitrobenzene-d5	9.06	82	383943	50.09	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	213274	69.35	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	759181	48.53	ng	0.00
79) Terphenyl-d14	19.90	244	936403	41.25	ng	0.00

Target Compounds

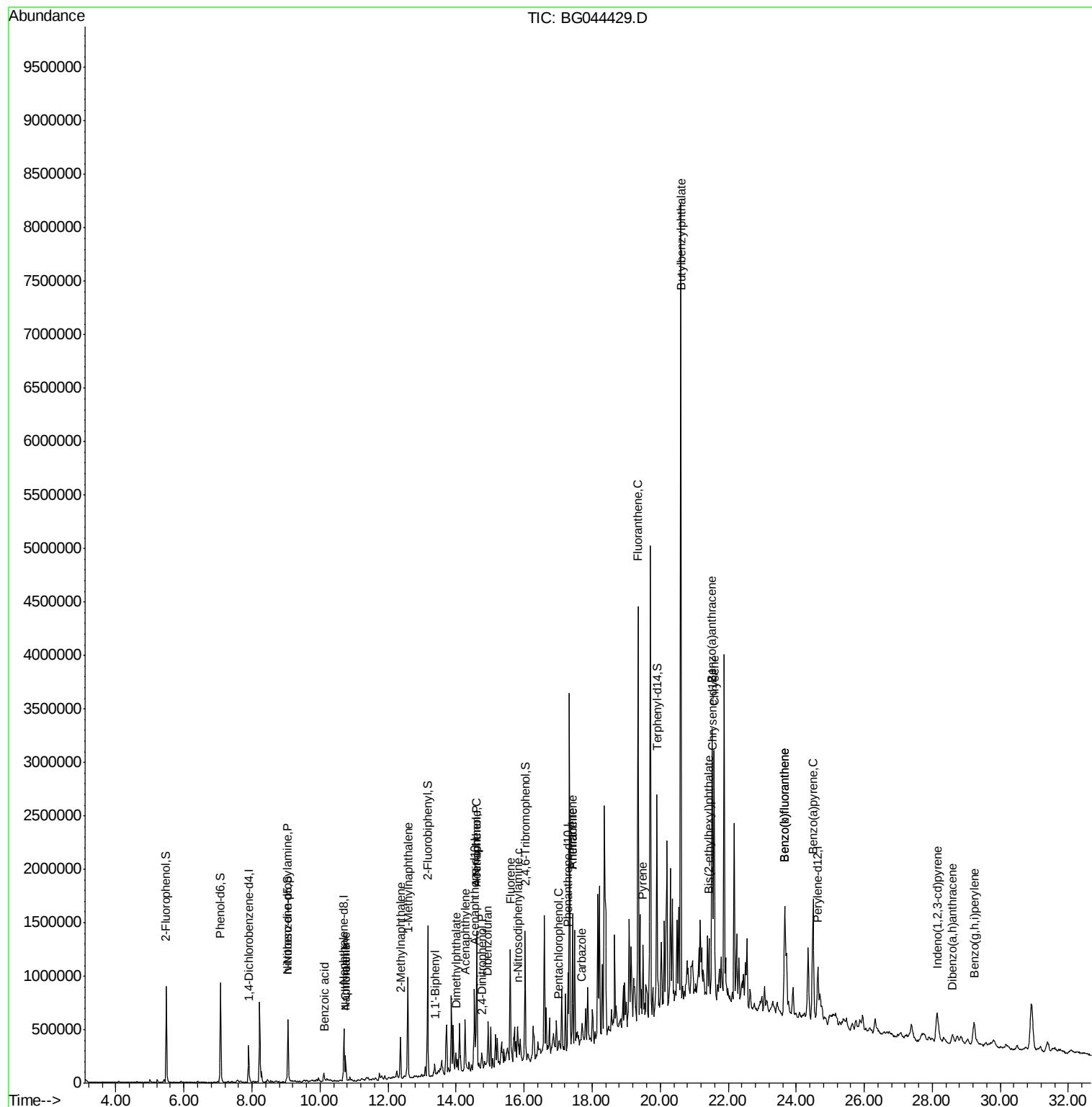
						Qvalue
19) n-Nitroso-di-n-propylamine	9.06	70	47395	9.296	ng	# 74
31) Naphthalene	10.75	128	207915	9.903	ng	98
32) Benzoic acid	10.13	122	57	14.182	ng	# 1
33) 4-Chloroaniline	10.76	127	28558	2.991	ng	# 38
37) 2-Methylnaphthalene	12.37	142	185478	11.898	ng	97
38) 1-Methylnaphthalene	12.58	142	466481	31.741	ng	98
46) 1,1'-Biphenyl	13.38	154	39257	2.078	ng	99
49) Acenaphthylene	14.26	152	337392	15.299	ng	# 96
50) Dimethylphthalate	13.99	163	47708	2.534	ng	# 98
52) Acenaphthene	14.60	154	498639	34.883	ng	99
54) 2,4-Dinitrophenol	14.78	184	54	7.644	ng	# 1
55) Dibenzofuran	14.94	168	115823	5.352	ng	# 86
56) 4-Nitrophenol	14.60	139	6981	2.052	ng	88
58) Fluorene	15.59	166	492285	28.879	ng	100
66) n-Nitrosodiphenylamine	15.81	169	37086	2.590	ng	# 1
70) Pentachlorophenol	17.01	266	54	3.159	ng	# 19
71) Phenanthrene	17.42	178	840661	33.974	ng	98
72) Anthracene	17.42	178	840661	34.364	ng	99
73) Carbazole	17.69	167	68899	3.055	ng	95
75) Fluoranthene	19.35	202	2115881	73.920	ng	90
78) Pyrene	19.49	202	421704	14.062	ng	97
80) Butylbenzylphthalate	20.61	149	2267225	165.898	ng	# 81
81) Benzo(a)anthracene	21.53	228	1449896	50.379	ng	94
83) Chrysene	21.58	228	1398926	50.288	ng	96
84) Bis(2-ethylhexyl)phthalate	21.44	149	224496	11.935	ng	96
86) Indeno(1,2,3-cd)pyrene	28.14	276	522514	14.397	ng	92
88) Benzo(b)fluoranthene	23.66	252	1331072	44.477	ng	# 98
89) Benzo(k)fluoranthene	23.66	252	1331072	45.635	ng	98
90) Benzo(a)pyrene	24.49	252	1190096	42.059	ng	96
91) Dibenzo(a,h)anthracene	28.60	278	134147	4.790	ng	91
92) Benzo(g,h,i)perylene	29.23	276	481618	17.180	ng	96

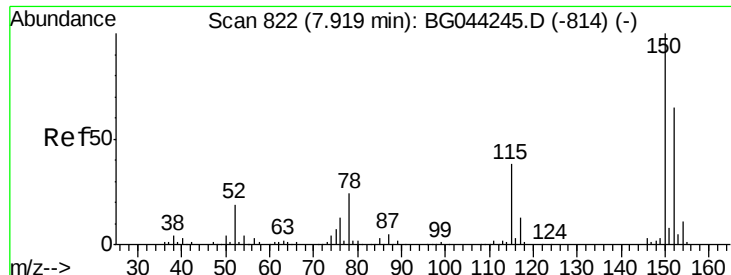
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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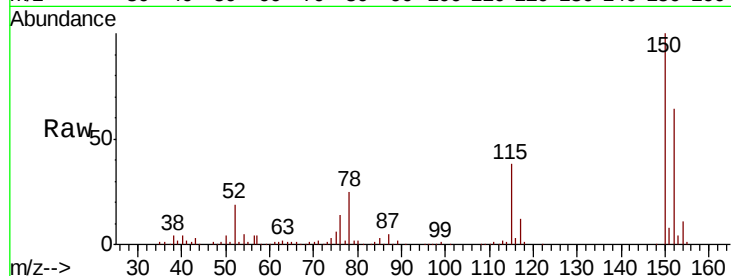


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.90 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BG044429.D
 Acq: 13 Feb 2020 22:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.6	183.8
115	58.8	46.0	69.0

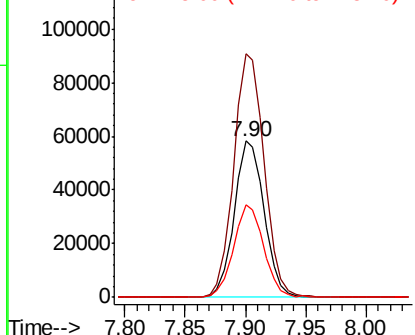
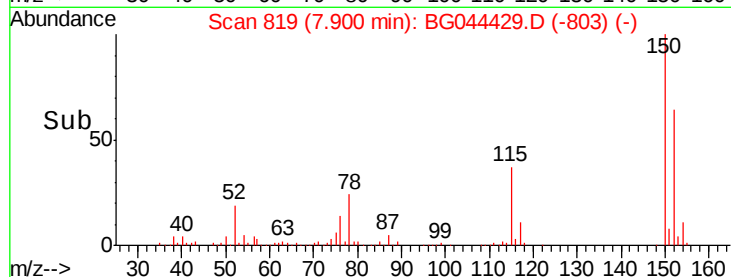


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

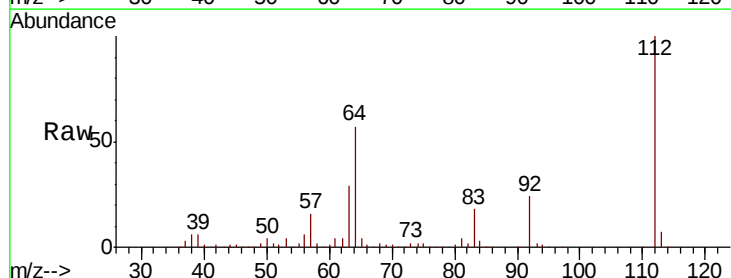
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 81.112 ng
 RT: 5.49 min Scan# 408
 Delta R.T. 0.01 min
 Lab File: BG044429.D
 Acq: 13 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.4	68.2
63	28.8	22.9	34.3

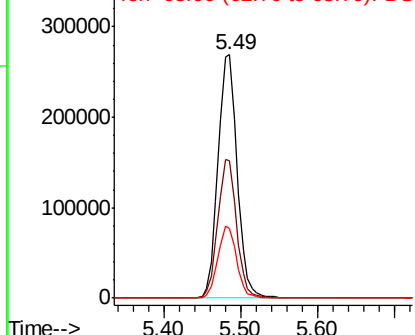
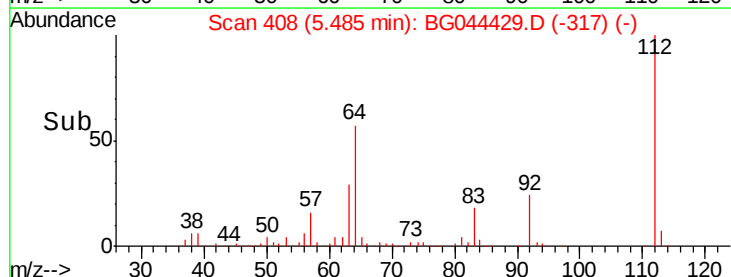


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 81.941 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

Instrument :

BNA_G

ClientSampled :

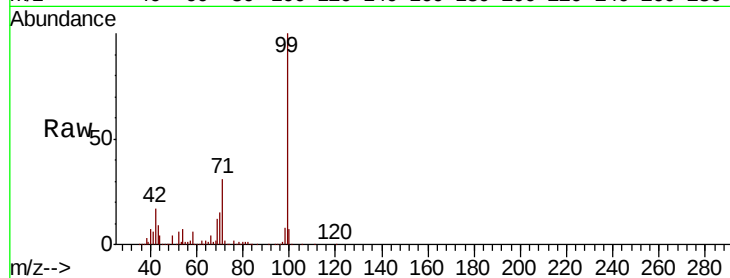
Tot Ion: 99 Resp: 626842

Ion Ratio Lower Upper

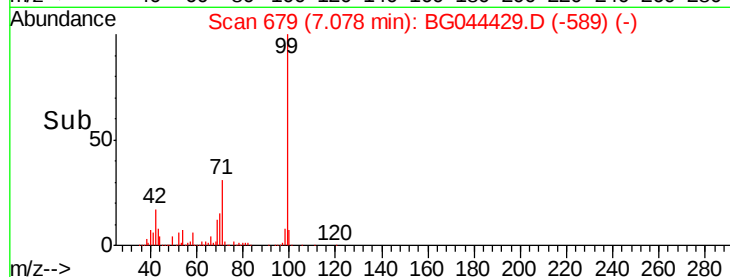
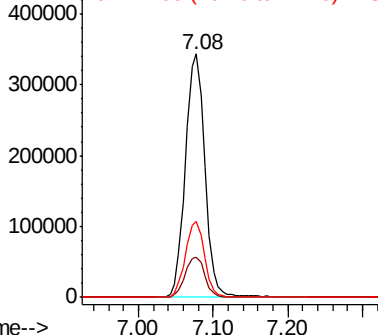
99 100

42 16.6 13.8 20.6

71 31.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 9.296 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

Tgt Ion: 70 Resp: 47395

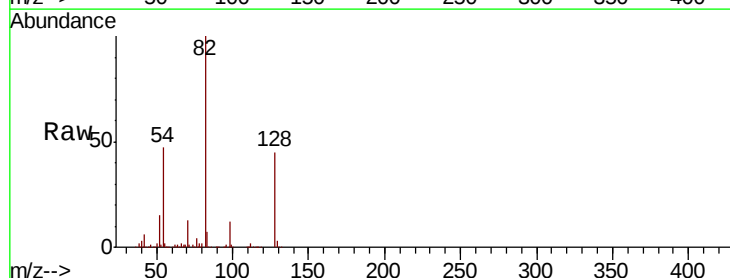
Ion Ratio Lower Upper

70 100

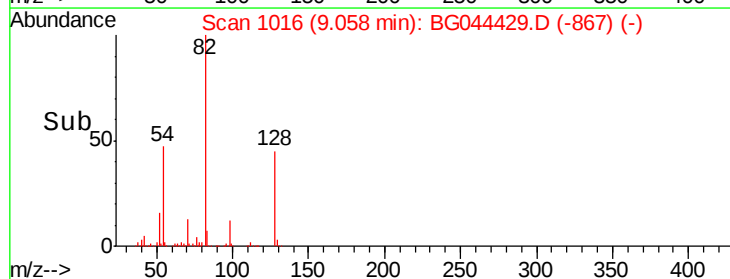
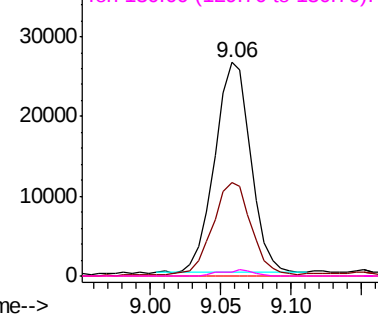
42 43.8 46.2 69.2#

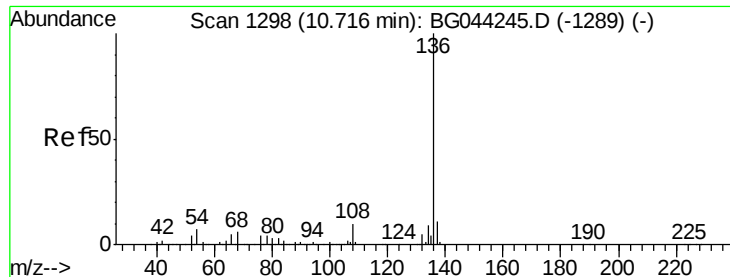
101 0.0 8.4 12.6#

130 2.1 17.8 26.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

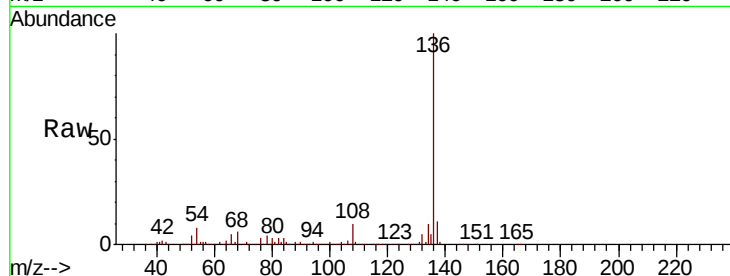




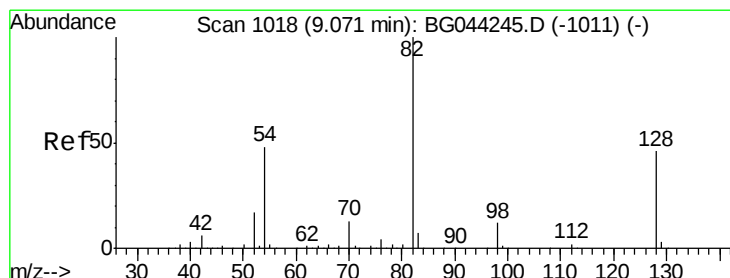
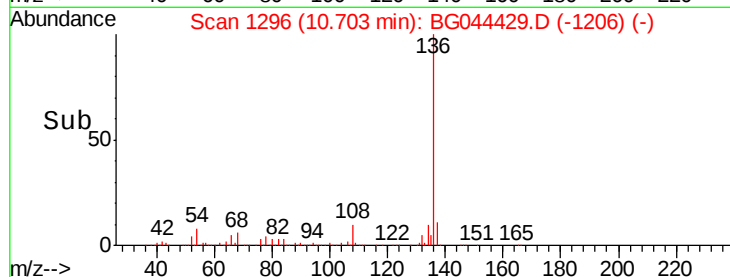
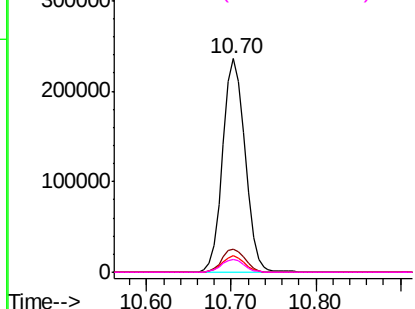
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	432740	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.8	13.2	
54 7.6	5.8	8.8	
68 6.0	4.6	6.8	

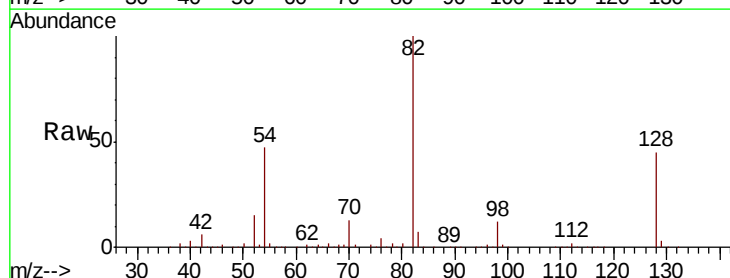


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

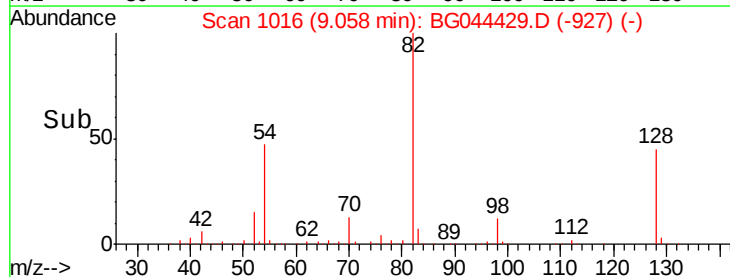
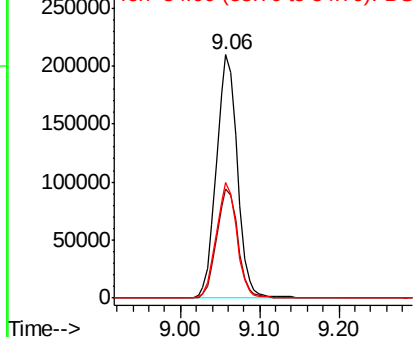


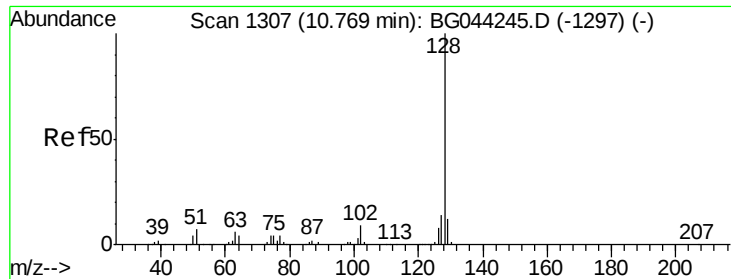
#23
Nitrobenzene-d5
Concen: 50.090 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt	Ion: 82	Resp:	383943
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.5	54.7
54	47.4	38.6	58.0



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

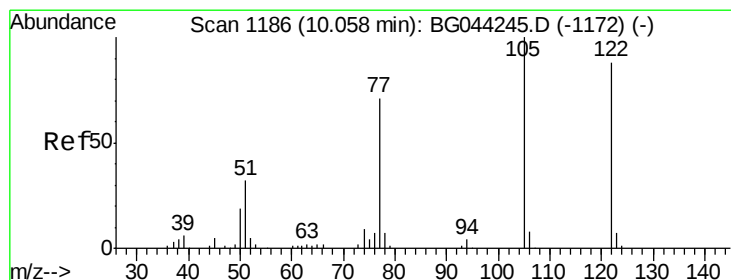
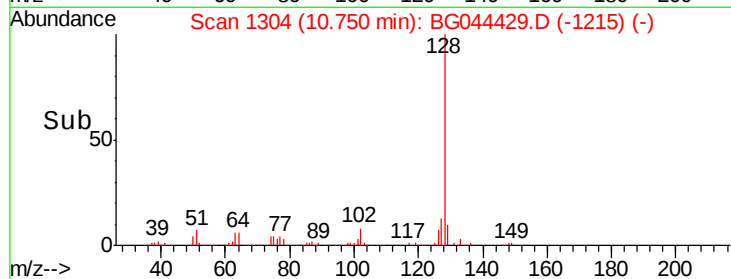
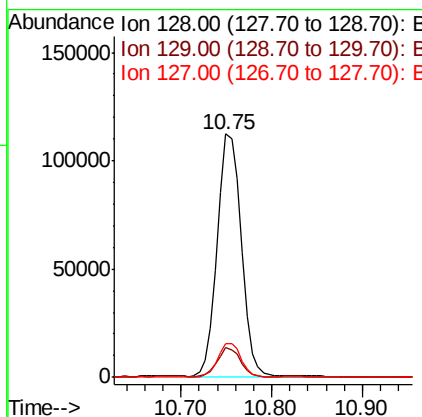
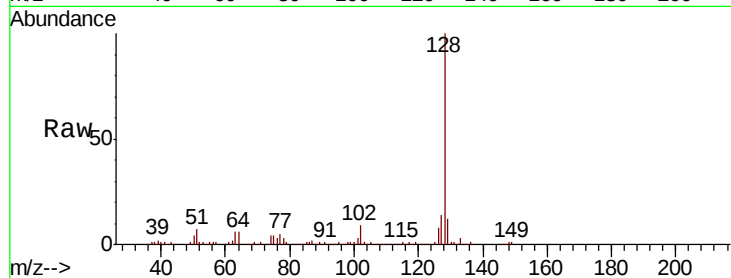




#31
Naphthalene
Concen: 9.903 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

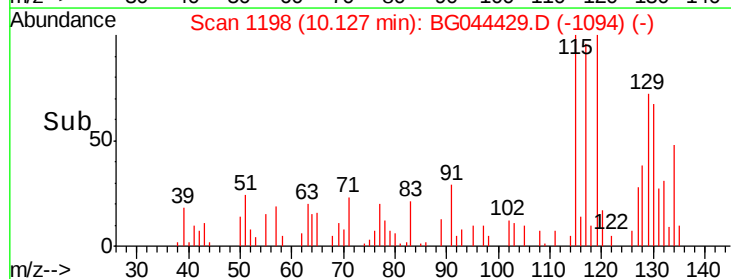
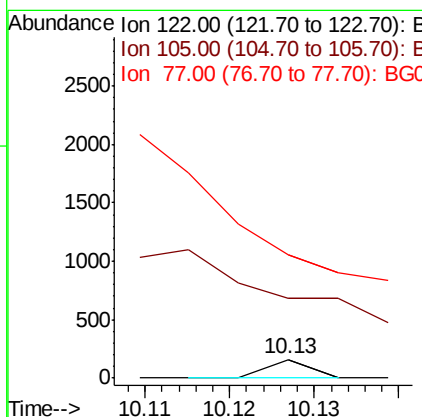
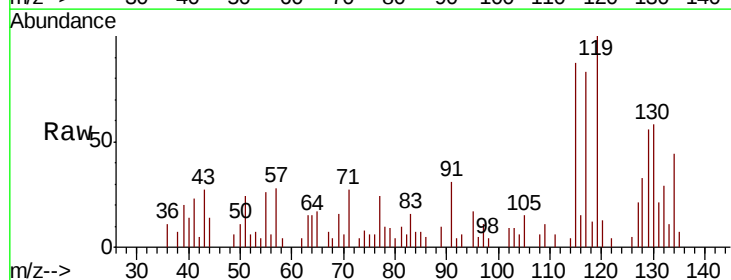
Instrument :
BNA_G
ClientSampled :

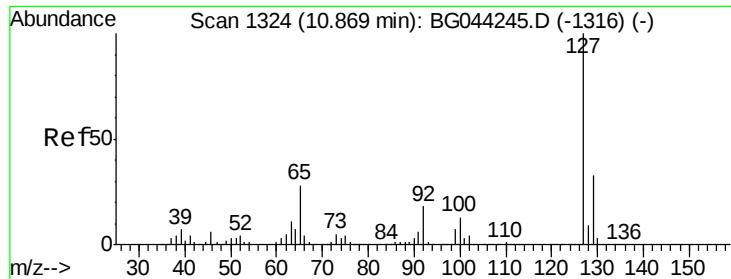
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.3	13.9
127	13.7	11.6	17.4



#32
Benzoic acid
Concen: 14.182 ng
RT: 10.13 min Scan# 1198
Delta R.T. 0.08 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	425.5	93.5	133.5#
77	652.8	61.0	101.0#

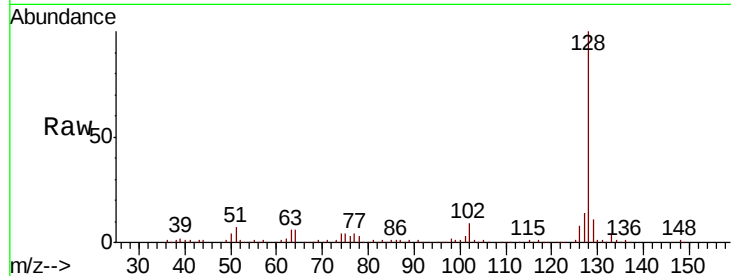




#33
4-Chloroaniline
Concen: 2.991 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.11 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	28558
Ion	Ratio	Lower	Upper
127	100		
129	79.5	26.6	40.0#
65	0.0	22.5	33.7#
92	1.5	14.1	21.1#



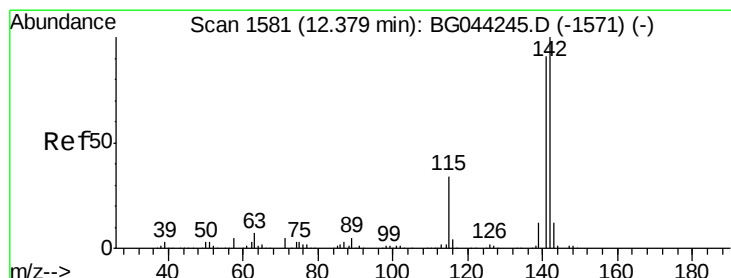
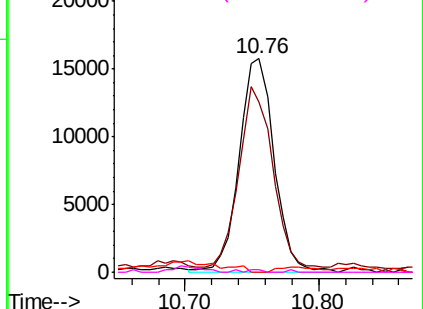
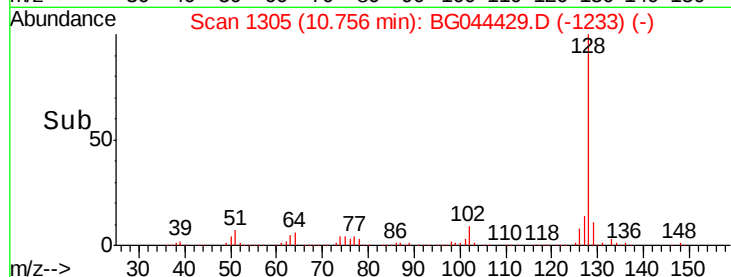
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

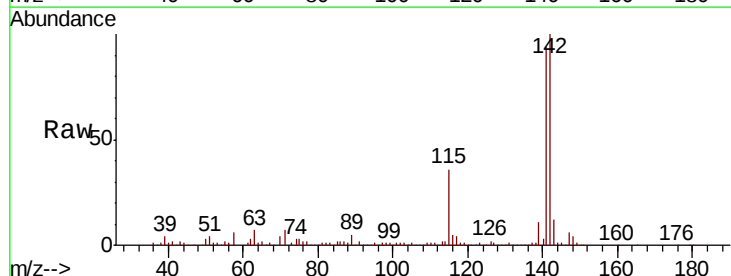
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#37
2-Methylnaphthalene
Concen: 11.898 ng
RT: 12.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt Ion:	142	Resp:	185478
Ion	Ratio	Lower	Upper
142	100		
141	94.4	73.2	109.8
115	35.9	27.1	40.7

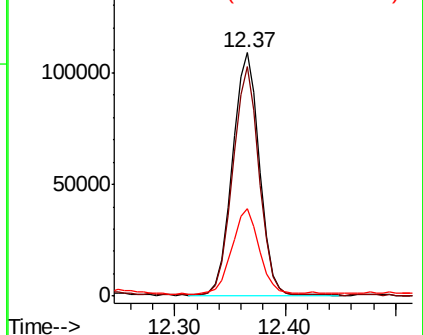
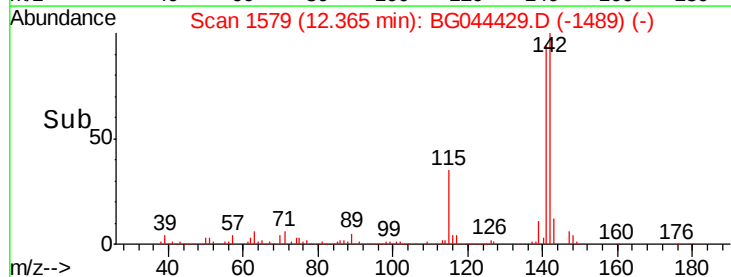


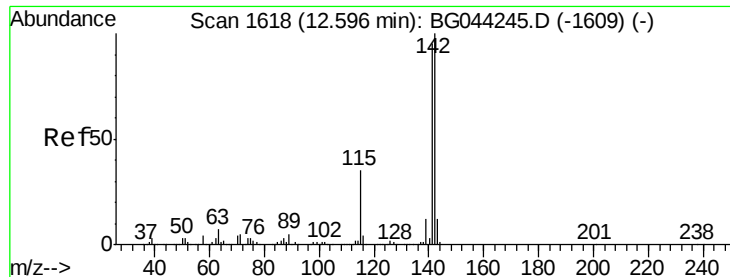
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

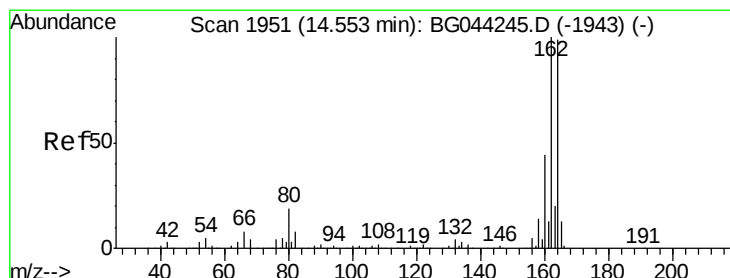
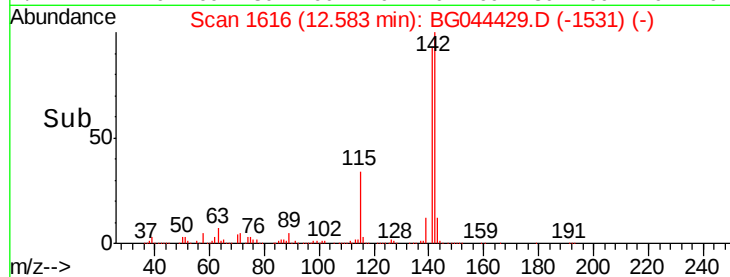
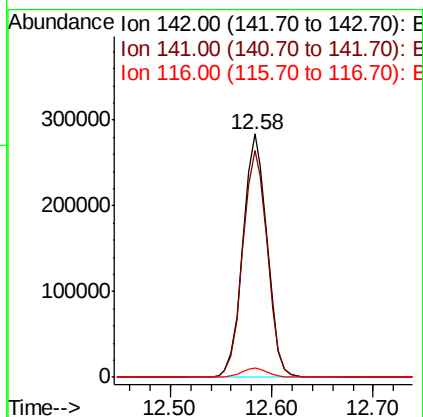
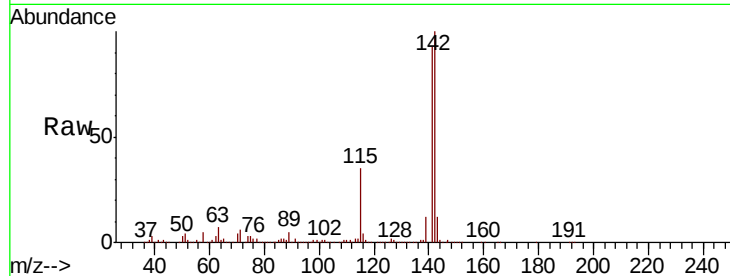




#38
1-Methylnaphthalene
Concen: 31.741 ng
RT: 12.58 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

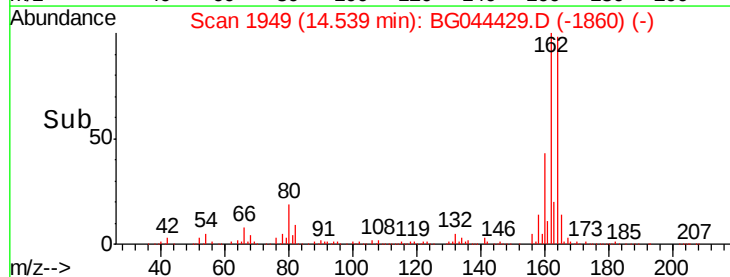
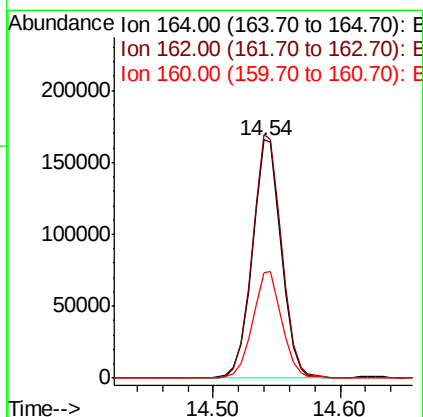
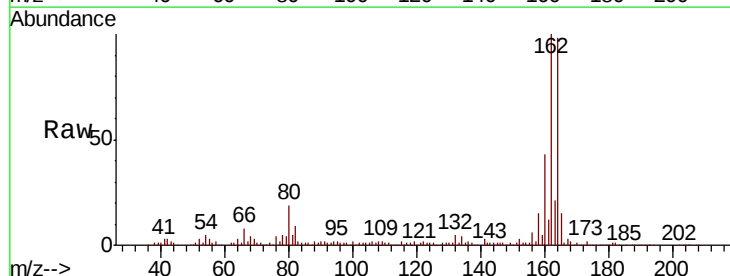
Instrument :
BNA_G
ClientSampleId :

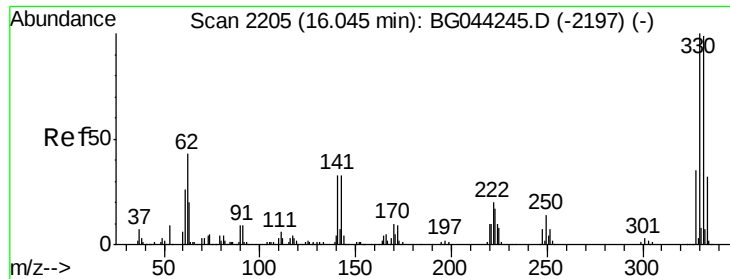
Tot Ion	Ratio	Lower	Upper
142	100		
141	93.2	75.8	113.6
116	3.6	3.1	4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.7	121.1
160	44.1	35.3	52.9





#42

2,4,6-Tribromophenol

Concen: 69.352 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

Instrument :

BNA_G

ClientSampleId :

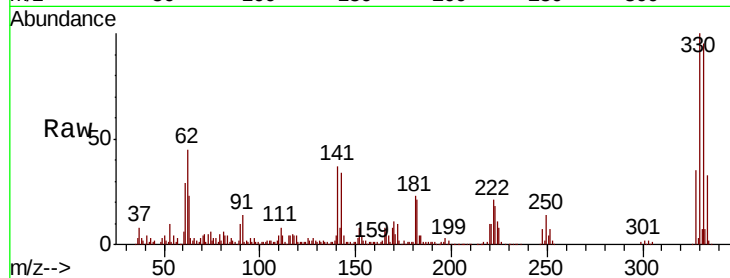
Tot Ion:330 Resp: 213274

Ion Ratio Lower Upper

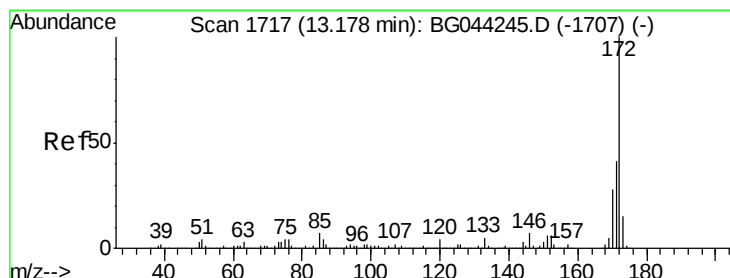
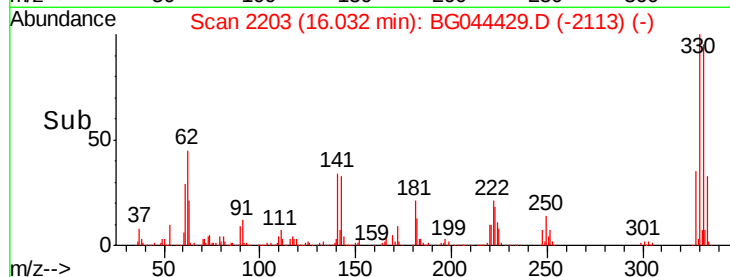
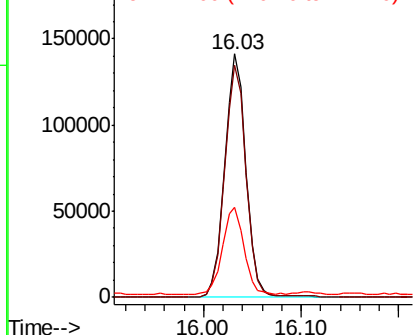
330 100

332 96.6 77.2 115.8

141 36.3 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: 48.530 ng

RT: 13.16 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

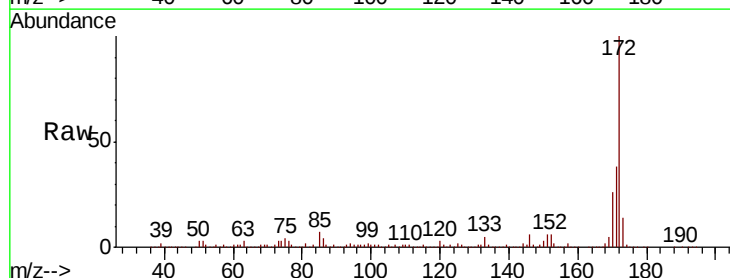
Tgt Ion:172 Resp: 759181

Ion Ratio Lower Upper

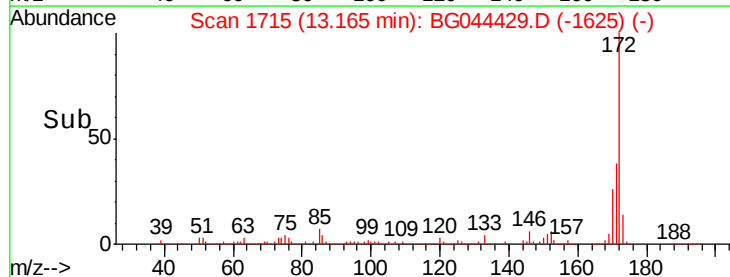
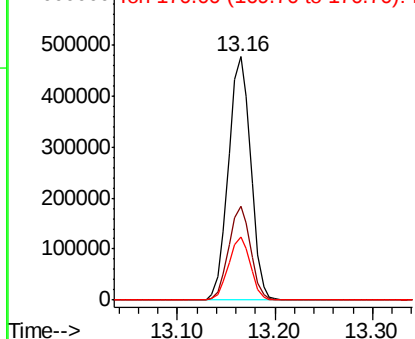
172 100

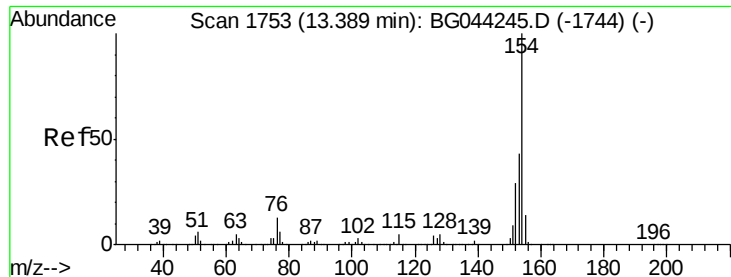
171 38.4 32.9 49.3

170 25.9 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: 2.078 ng

RT: 13.38 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

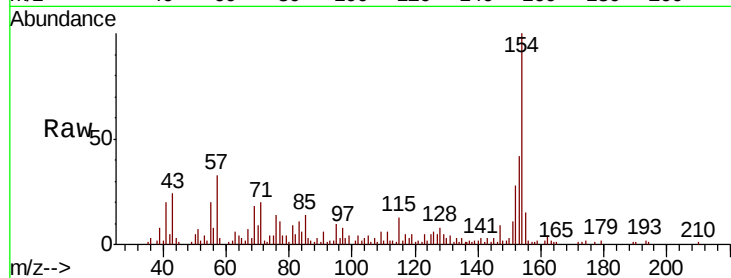
Instrument :

BNA_G

ClientSampleId :

Tot Ion:154 Resp: 39257

Ion	Ratio	Lower	Upper
154	100		
153	42.4	22.7	62.7
76	13.9	0.0	32.9

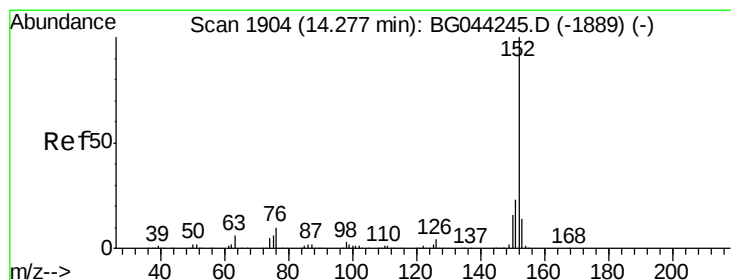
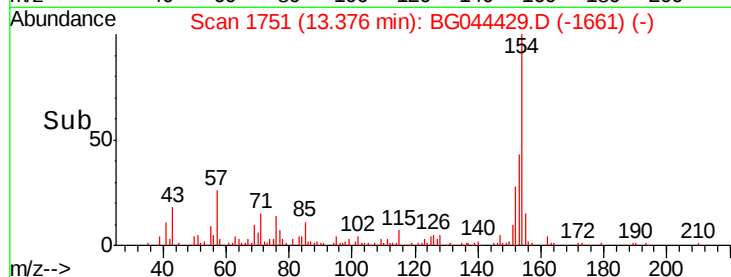
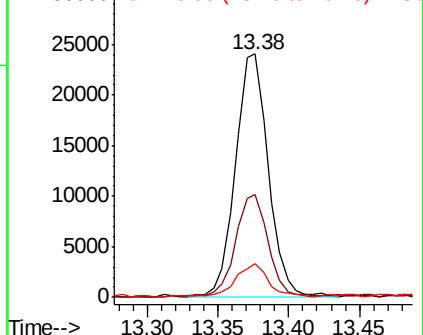


Abundance

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



#49

Acenaphthylene

Concen: 15.299 ng

RT: 14.26 min Scan# 1902

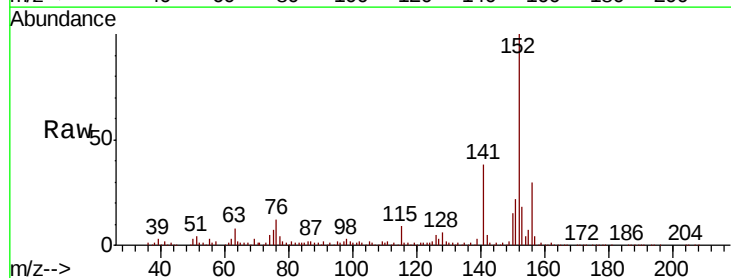
Delta R.T. 0.00 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

Tgt Ion:152 Resp: 337392

Ion	Ratio	Lower	Upper
152	100		
151	22.2	18.1	27.1
153	17.9	11.5	17.3#

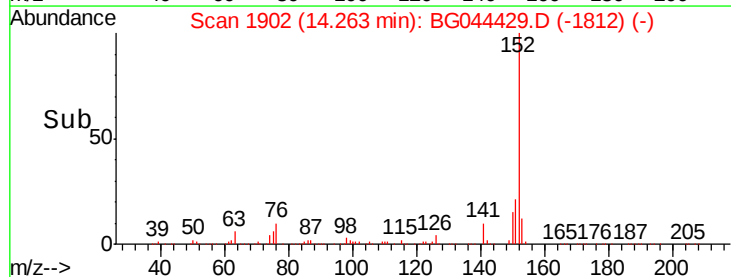
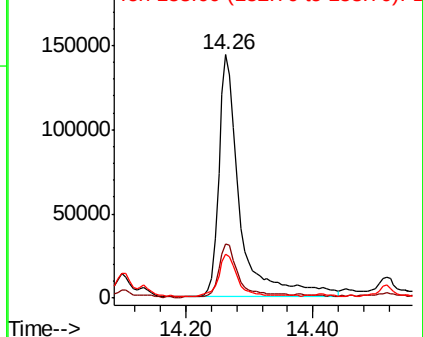


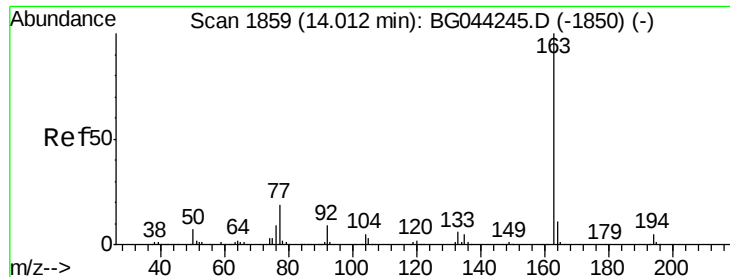
Abundance

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

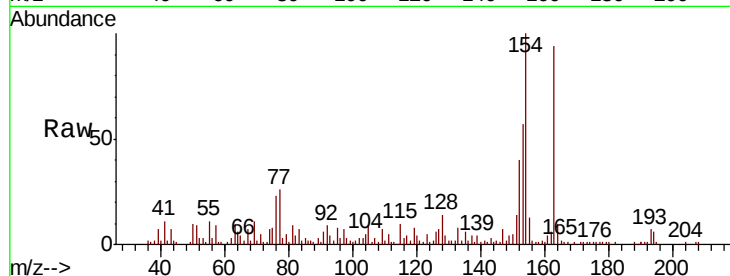




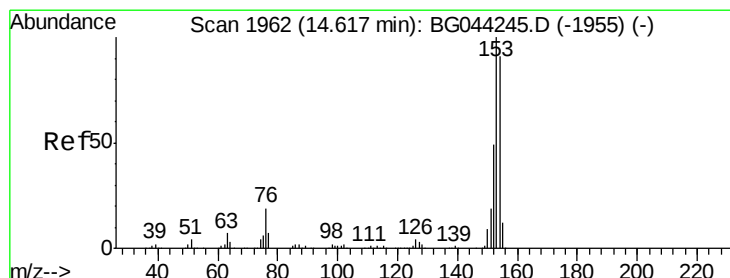
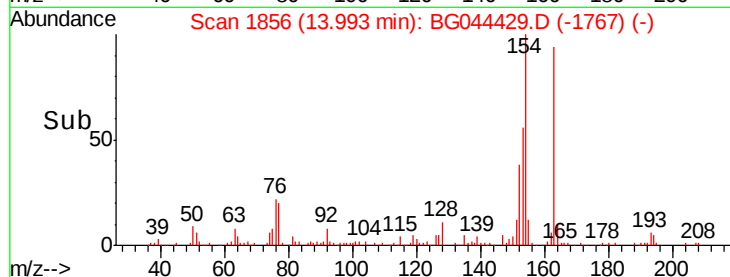
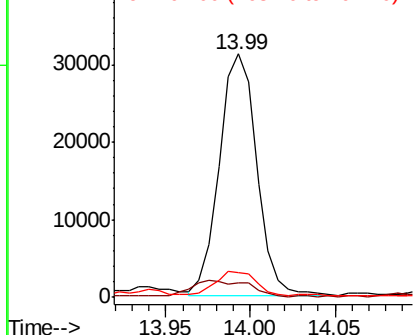
#50
Dimethylphthalate
Concen: 2.534 ng
RT: 13.99 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 47708
Ion Ratio Lower Upper
163 100
194 6.1 3.6 5.4#
164 10.4 8.7 13.1

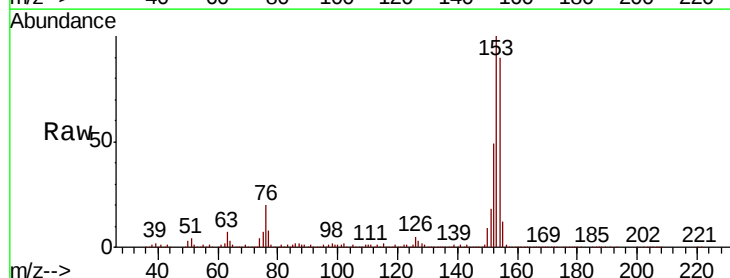


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

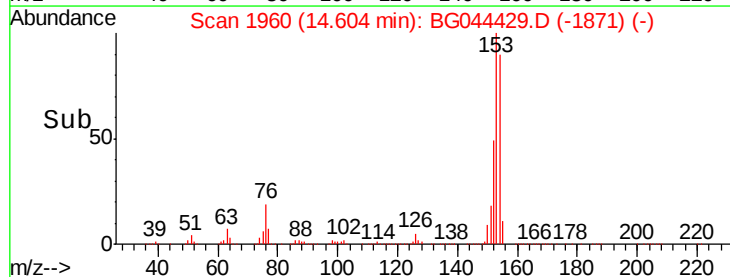
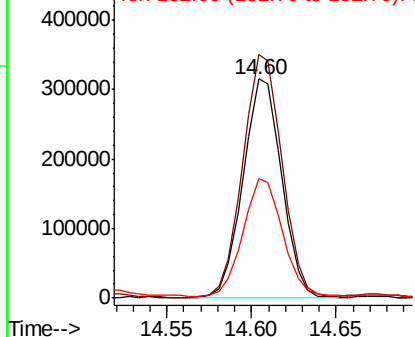


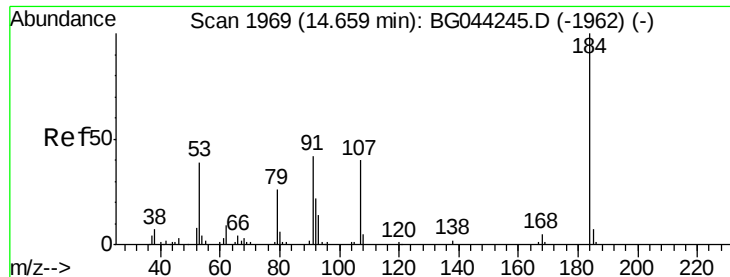
#52
Acenaphthene
Concen: 34.883 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt Ion:154 Resp: 498639
Ion Ratio Lower Upper
154 100
153 111.3 87.9 131.9
152 54.8 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

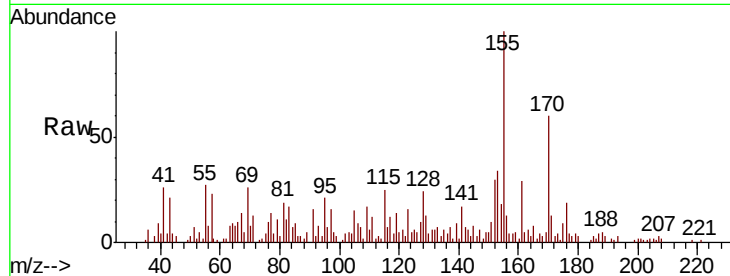




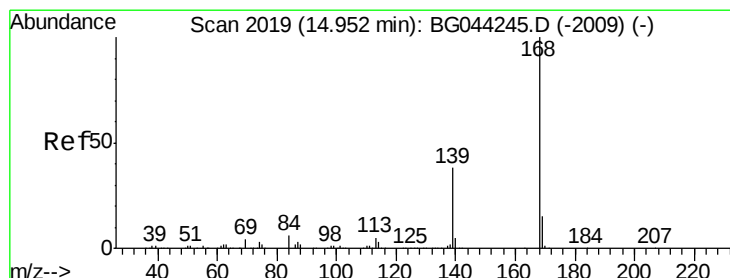
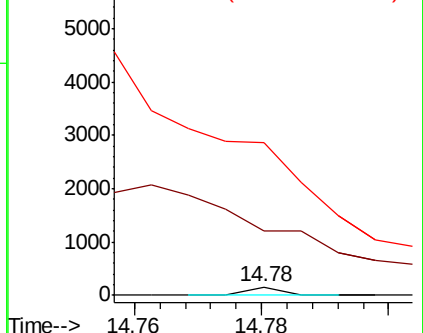
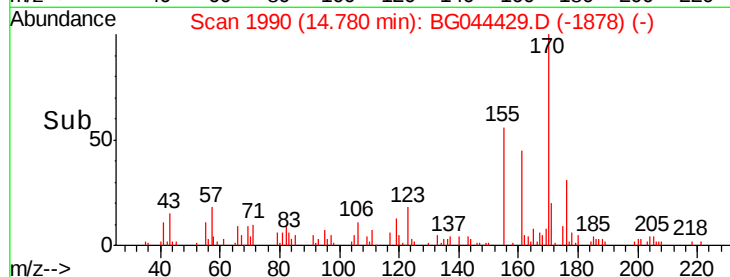
#54
2,4-Dinitrophenol
Concen: 7.644 ng
RT: 14.78 min Scan# 1990
Delta R.T. 0.13 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 801.3 44.1 66.1#
154 1886.2 45.4 68.0#

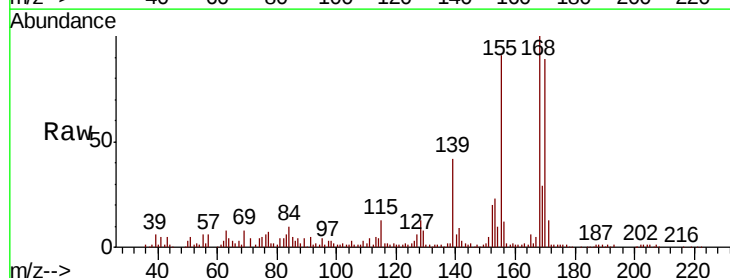


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

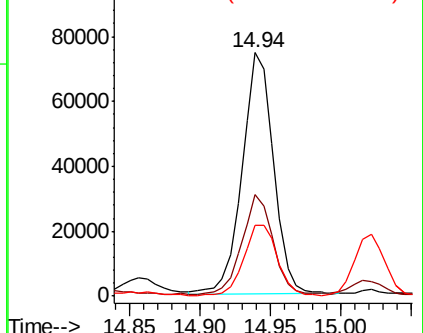
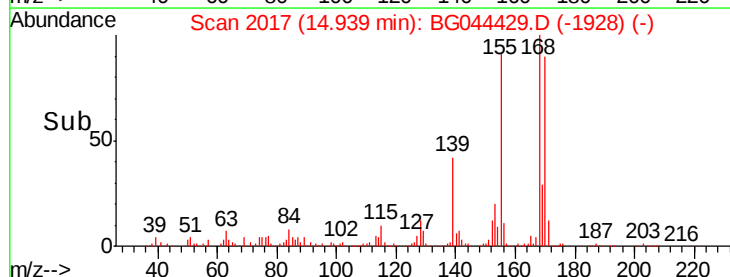


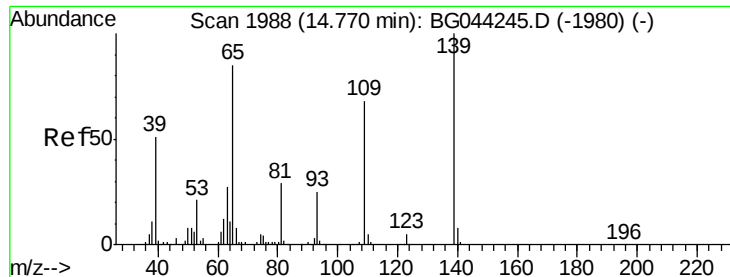
#55
Dibenzofuran
Concen: 5.352 ng
RT: 14.94 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt Ion:168 Resp: 115823
Ion Ratio Lower Upper
168 100
139 41.9 30.5 45.7
169 29.0 11.7 17.5#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

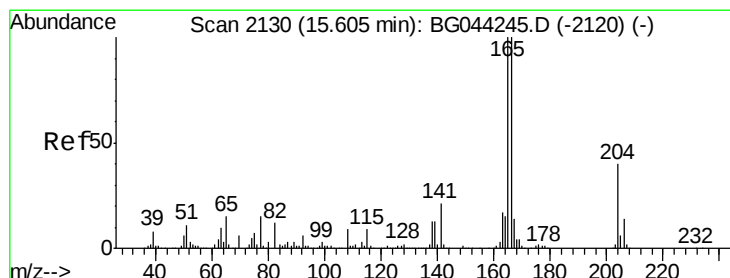
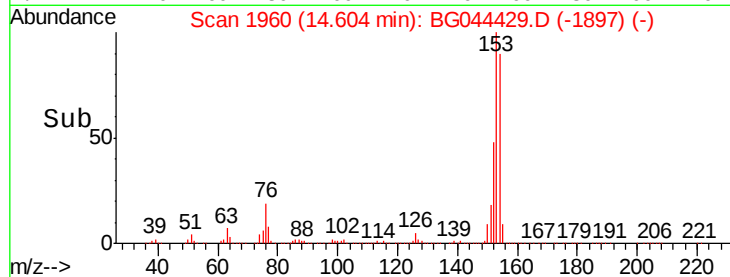
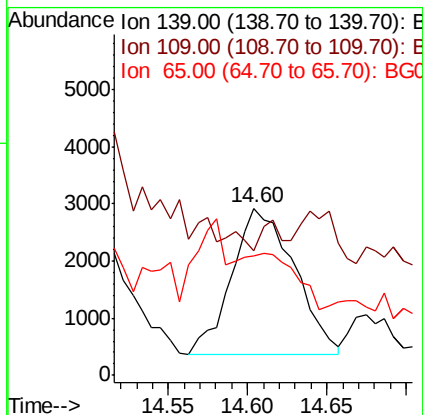
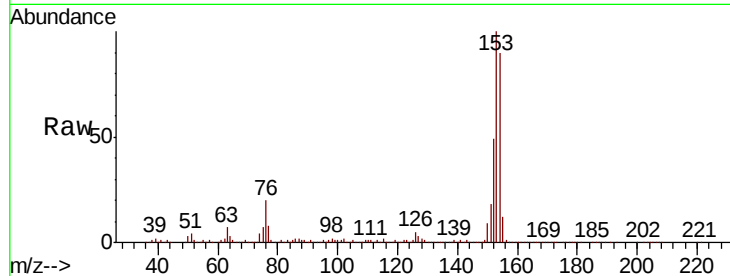




#56
4-Nitrophenol
Concen: 2.052 ng
RT: 14.60 min Scan# 1960
Delta R.T. -0.16 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

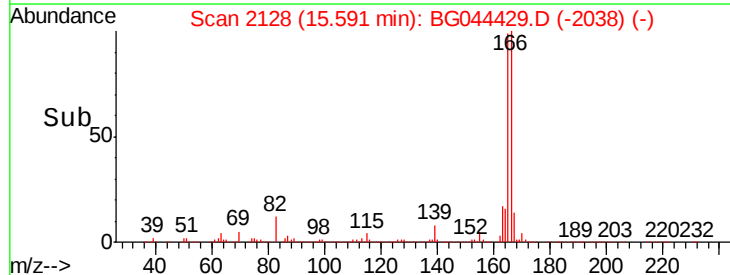
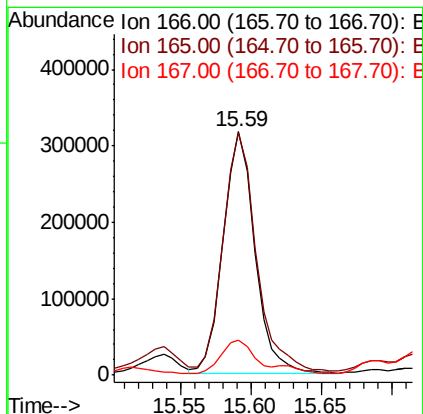
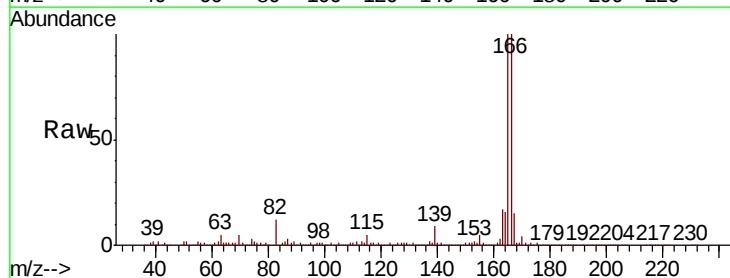
Instrument :
BNA_G
ClientSampled :

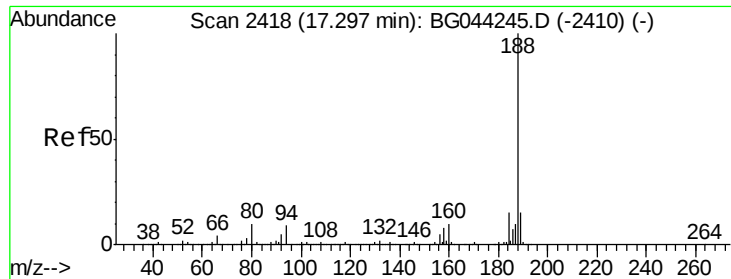
Tot Ion:139 Resp: 6981
Ion Ratio Lower Upper
139 100
109 74.9 47.5 87.5
65 71.7 64.9 104.9



#58
Fluorene
Concen: 28.879 ng
RT: 15.59 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt Ion:166 Resp: 492285
Ion Ratio Lower Upper
166 100
165 99.7 79.9 119.9
167 14.5 11.4 17.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.29 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

Instrument :

BNA_G

ClientSampleId :

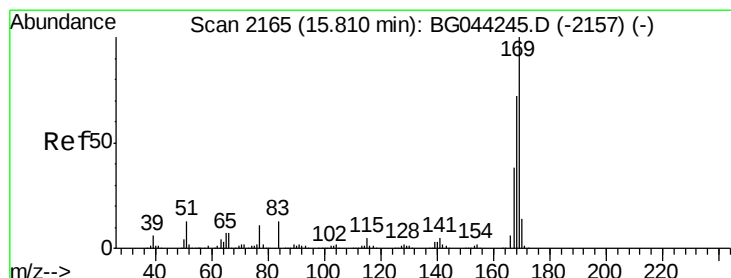
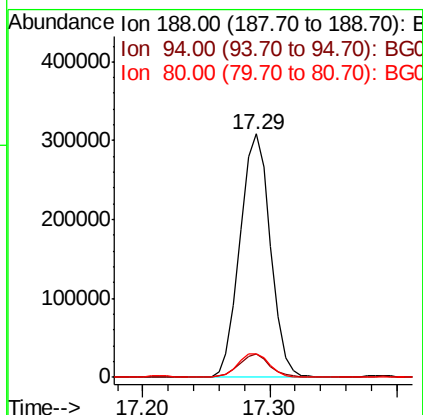
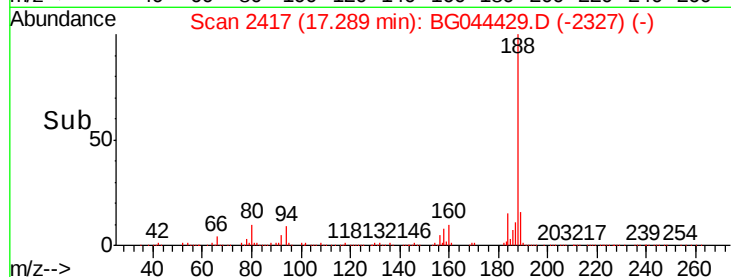
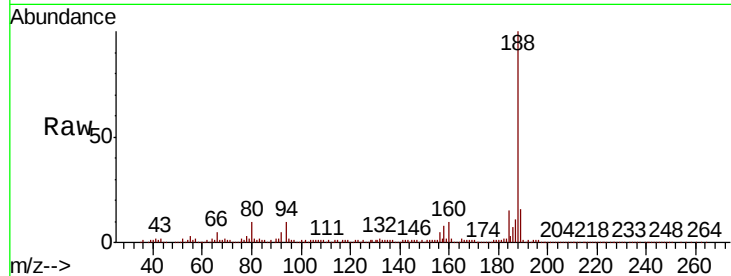
Tot Ion:188 Resp: 510990

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.2

80 9.9 7.7 11.5



#66

n-Nitrosodiphenylamine

Concen: 2.590 ng

RT: 15.81 min Scan# 2165

Delta R.T. 0.01 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

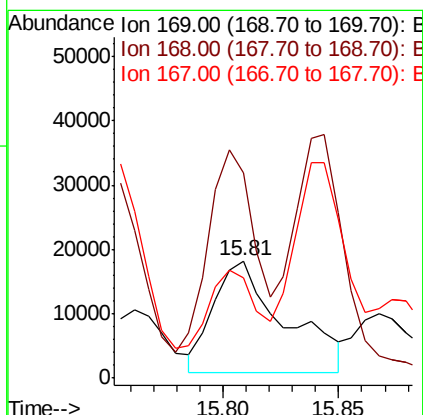
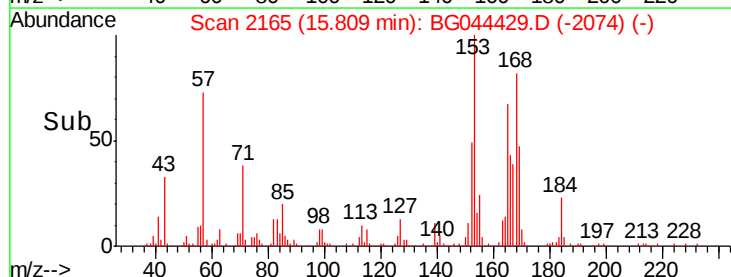
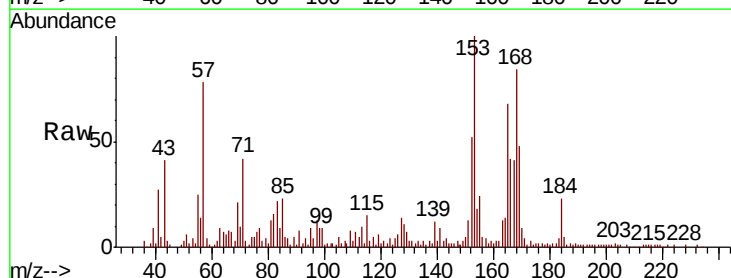
Tgt Ion:169 Resp: 37086

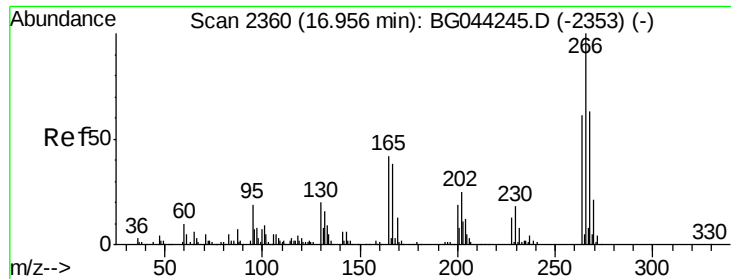
Ion Ratio Lower Upper

169 100

168 175.0 57.9 86.9#

167 85.3 30.7 46.1#

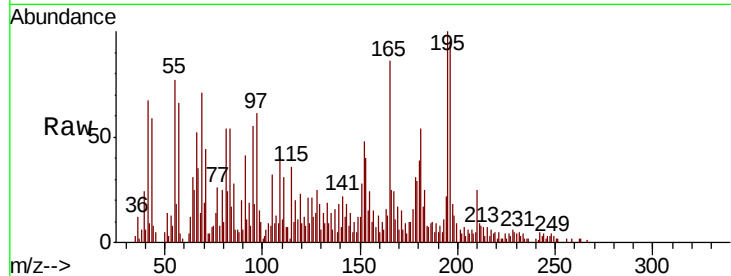




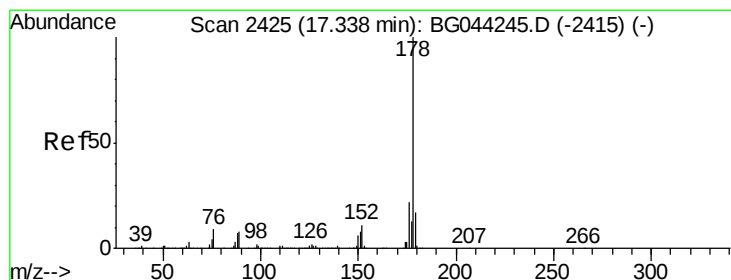
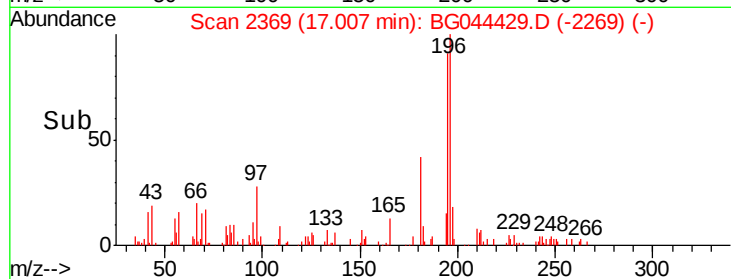
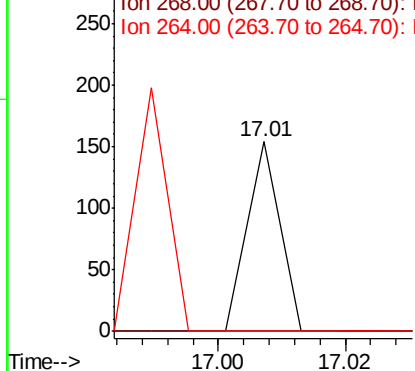
#70
 Pentachlorophenol
 Concen: 3.159 ng
 RT: 17.01 min Scan# 2369
 Delta R.T. 0.06 min
 Lab File: BG044429.D
 Acq: 13 Feb 2020 22:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	50.6	75.8#
264	0.0	48.7	73.1#

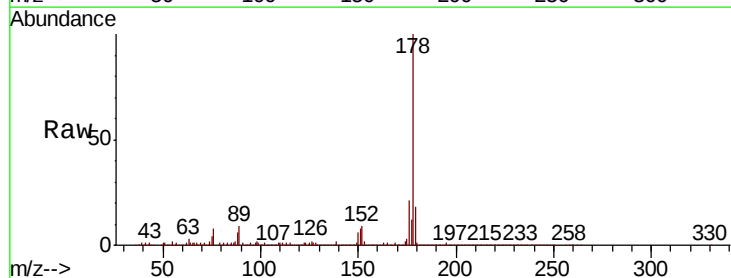


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

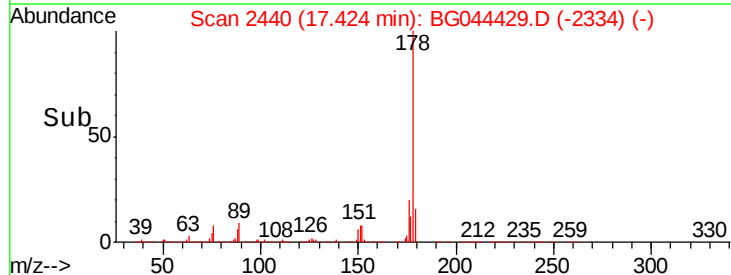
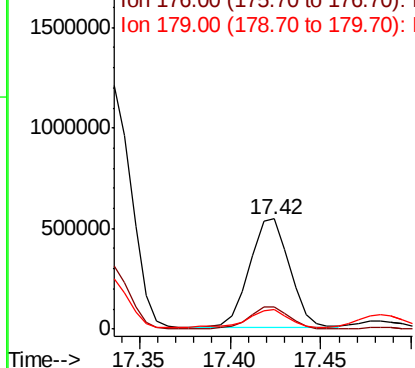


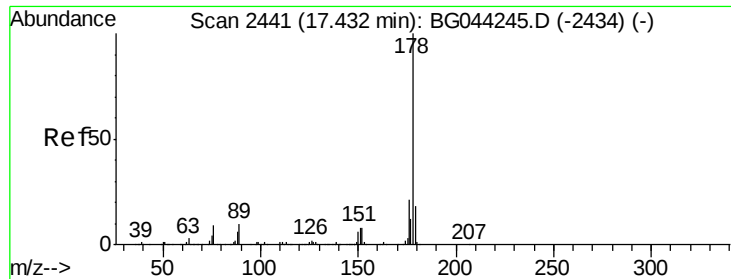
#71
 Phenanthrene
 Concen: 33.974 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. 0.09 min
 Lab File: BG044429.D
 Acq: 13 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	17.7	26.5
179	17.6	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: 34.364 ng

RT: 17.42 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

Instrument :

BNA_G

ClientSampled :

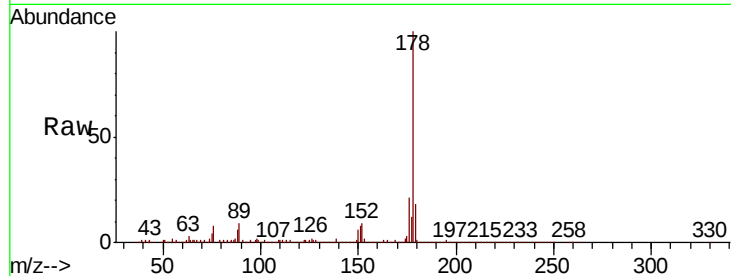
Tot Ion:178 Resp: 840661

Ion Ratio Lower Upper

178 100

176 20.6 17.0 25.4

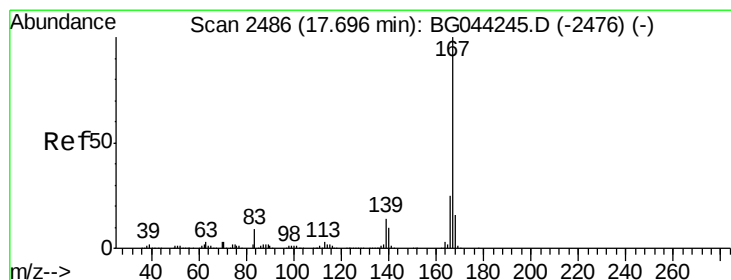
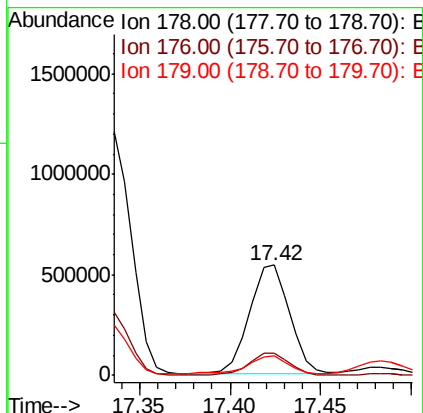
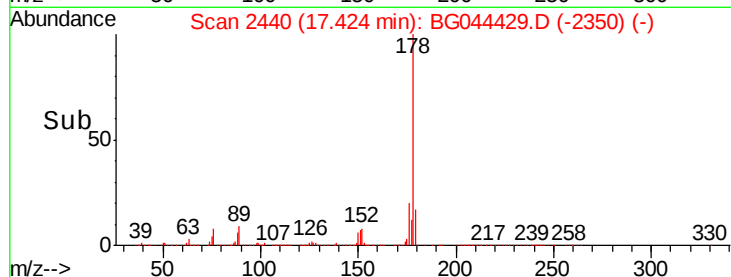
179 17.6 14.4 21.6



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: 3.055 ng

RT: 17.69 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

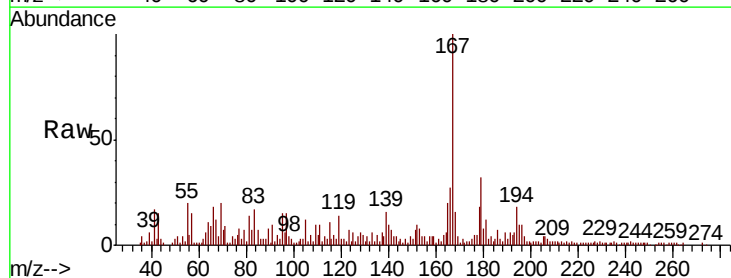
Tgt Ion:167 Resp: 68899

Ion Ratio Lower Upper

167 100

166 27.3 19.8 29.6

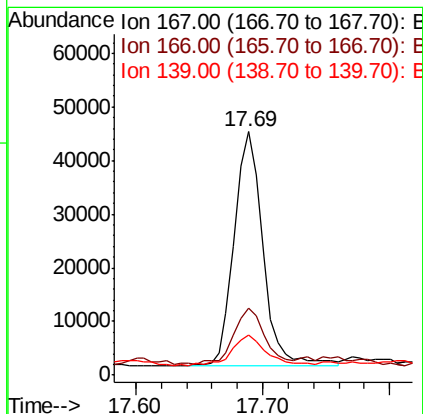
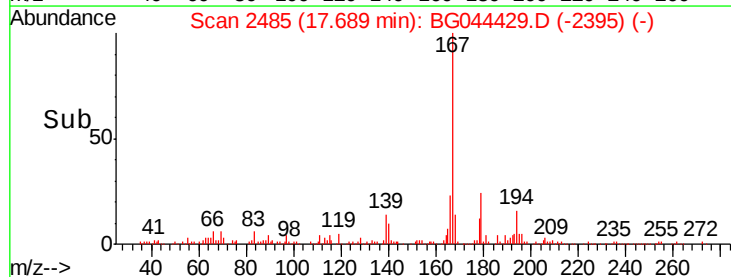
139 16.4 11.1 16.7

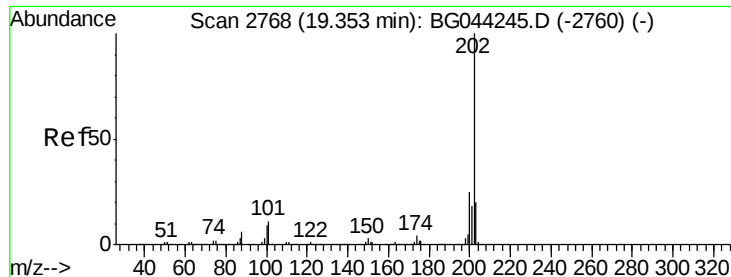


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 73.920 ng

RT: 19.35 min Scan# 2768

Delta R.T. 0.01 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

Instrument :

BNA_G

ClientSampleId :

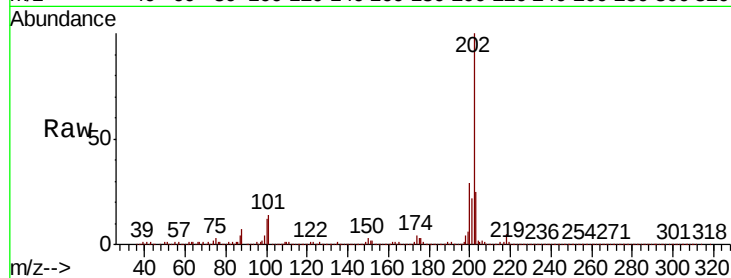
Tot Ion:202 Resp: 2115881

Ion Ratio Lower Upper

202 100

101 14.4 0.0 31.3

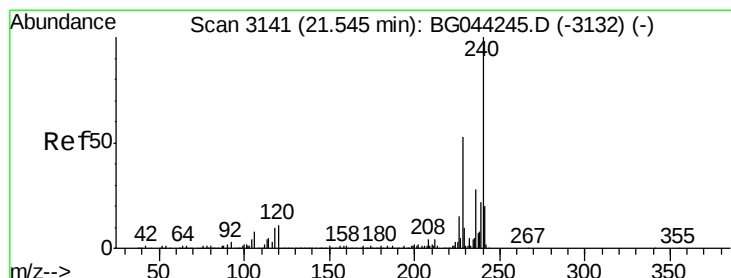
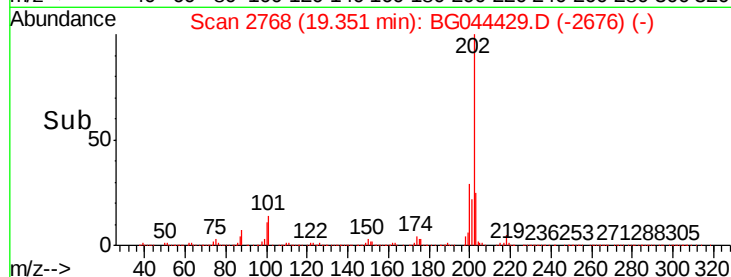
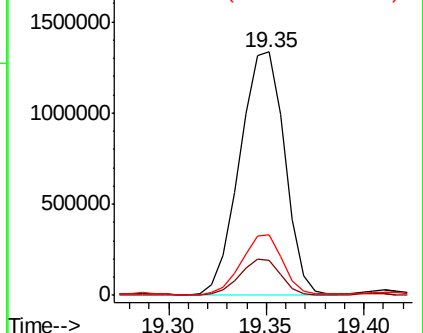
203 25.0 0.0 39.9



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3141

Delta R.T. 0.01 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

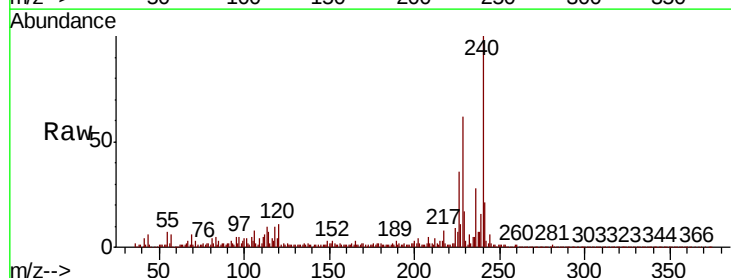
Tgt Ion:240 Resp: 466972

Ion Ratio Lower Upper

240 100

120 11.0 8.4 12.6

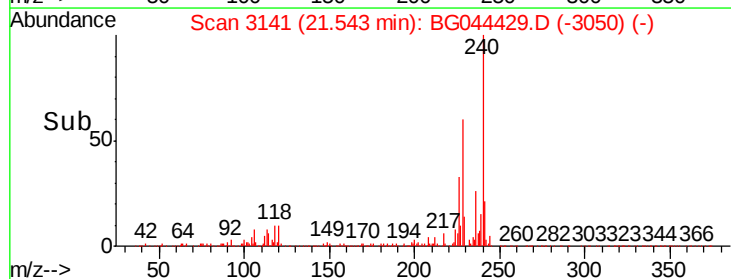
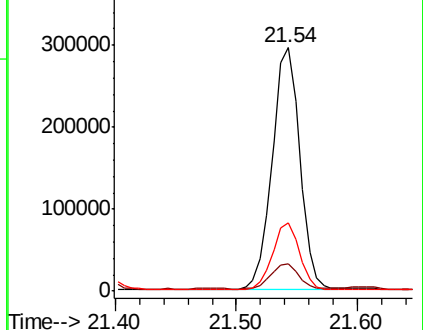
236 28.2 22.1 33.1

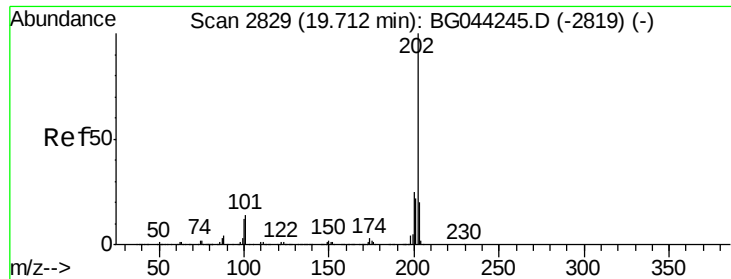


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

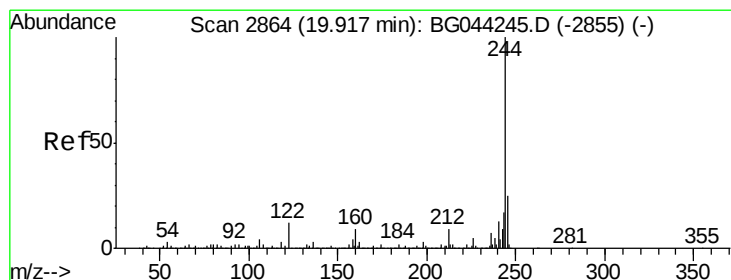
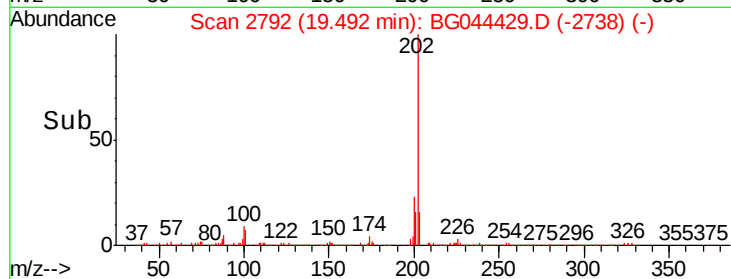
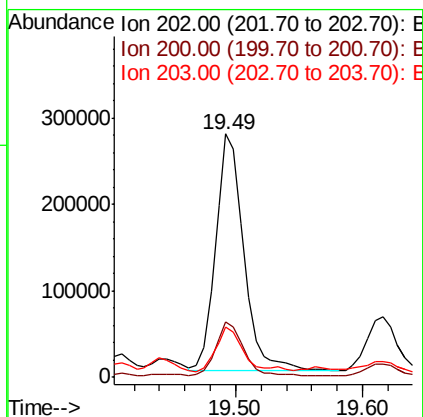
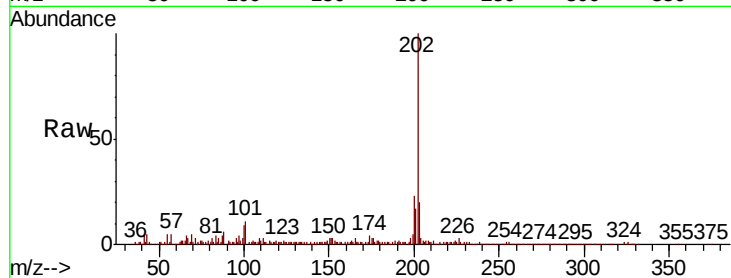




#78
Pvrene
Concen: 14.062 ng
RT: 19.49 min Scan# 2792
Delta R.T. -0.21 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

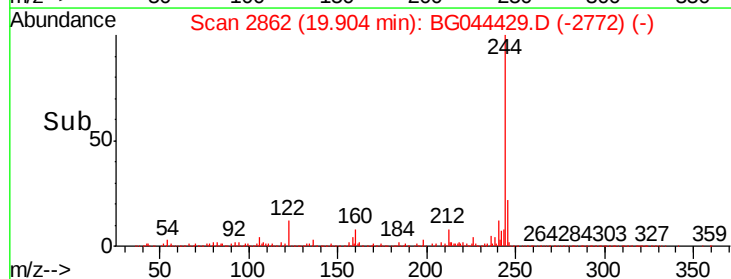
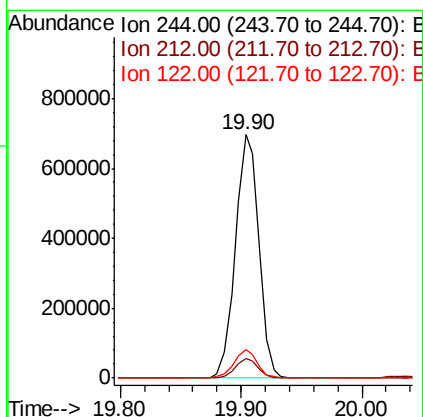
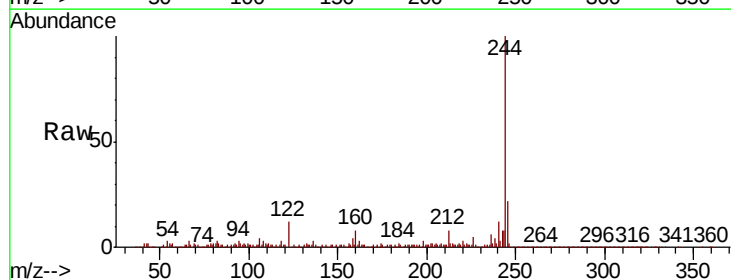
Instrument :
BNA_G
ClientSampleId :

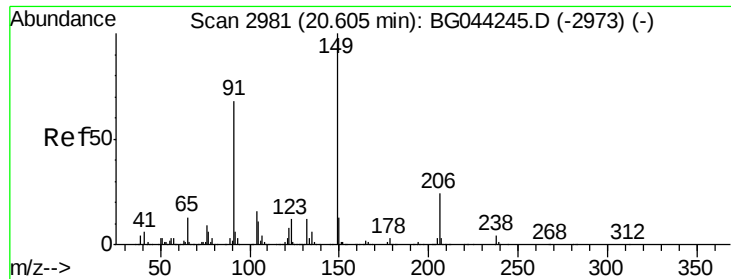
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.9	20.0	30.0
203	20.4	16.2	24.2



#79
Terphenyl-d14
Concen: 41.246 ng
RT: 19.90 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.4	11.2
122	11.9	9.8	14.6

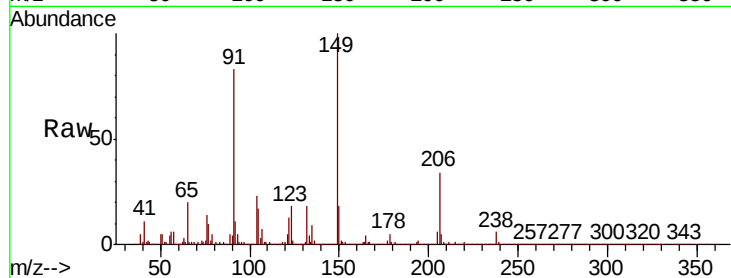




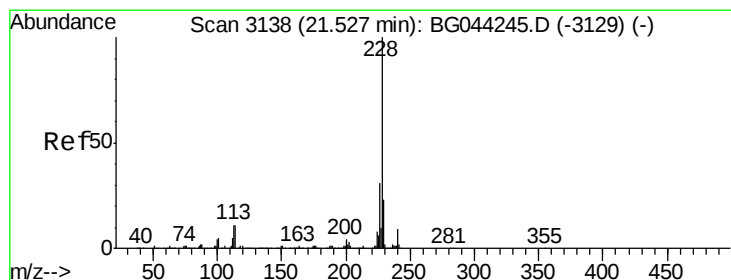
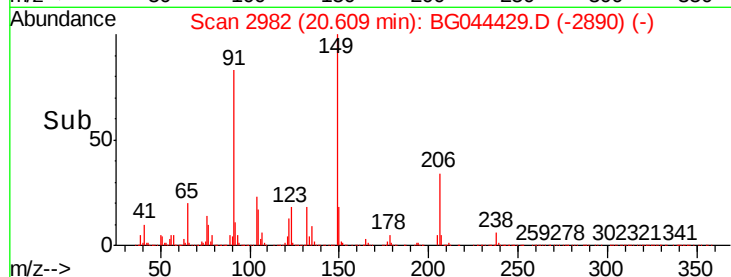
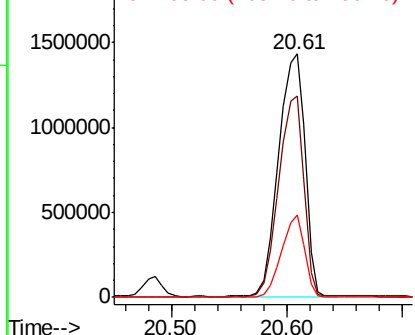
#80
 Butylbenzylphthalate
 Concen: 165.898 ng
 RT: 20.61 min Scan# 2982
 Delta R.T. 0.01 min
 Lab File: BG044429.D
 Acq: 13 Feb 2020 22:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:149 Resp: 2267225
 Ion Ratio Lower Upper
 149 100
 91 82.8 54.5 81.7#
 206 34.1 19.1 28.7#

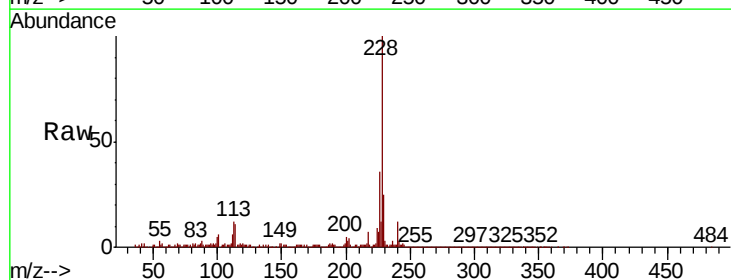


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E

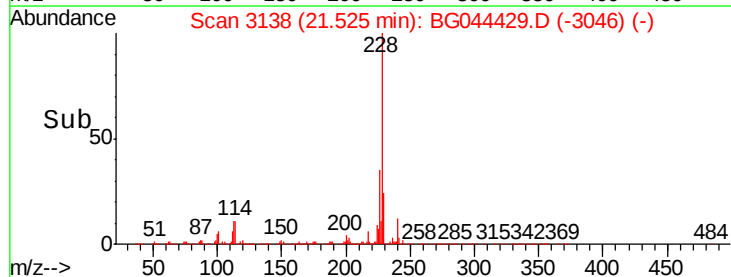
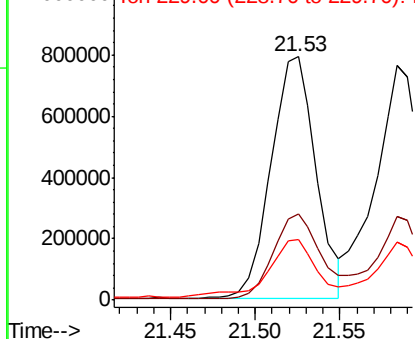


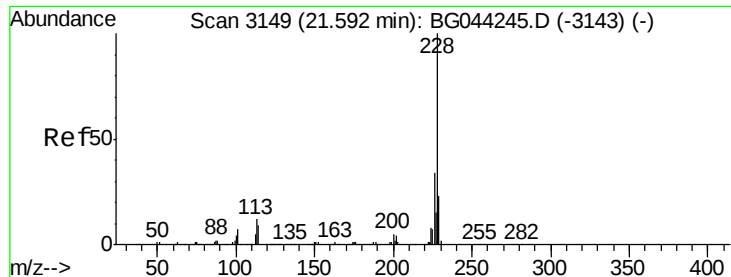
#81
 Benzo(a)anthracene
 Concen: 50.379 ng
 RT: 21.53 min Scan# 3138
 Delta R.T. 0.01 min
 Lab File: BG044429.D
 Acq: 13 Feb 2020 22:35

Tgt Ion:228 Resp: 1449896
 Ion Ratio Lower Upper
 228 100
 226 35.5 24.7 37.1
 229 24.6 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

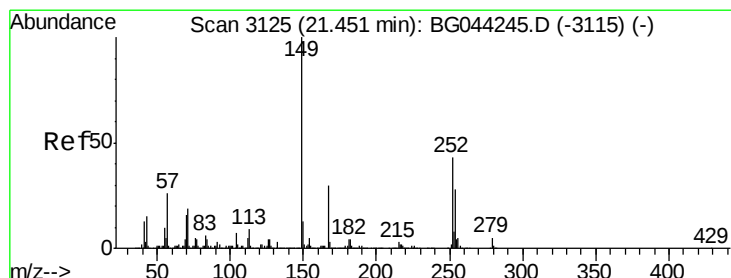
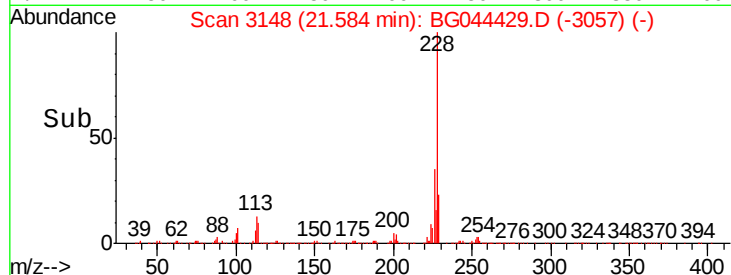
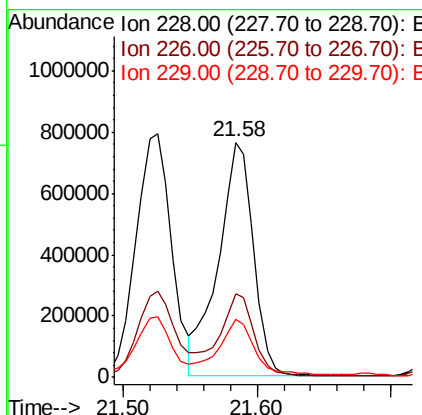
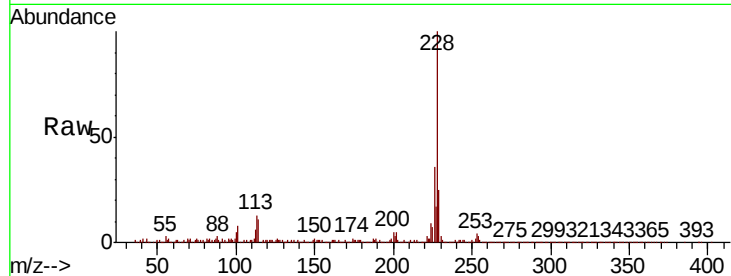




#83
 Chrvsene
 Concen: 50.288 ng
 RT: 21.58 min Scan# 3148
 Delta R.T. 0.01 min
 Lab File: BG044429.D
 Acq: 13 Feb 2020 22:35

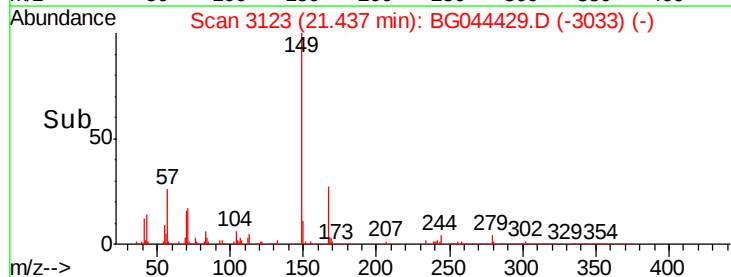
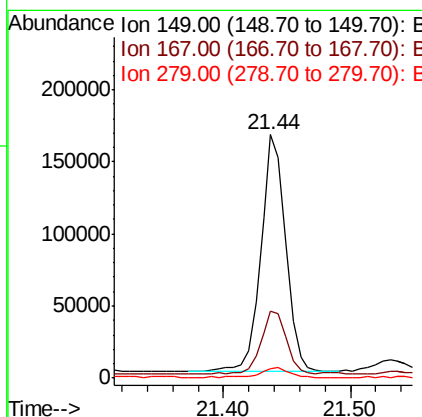
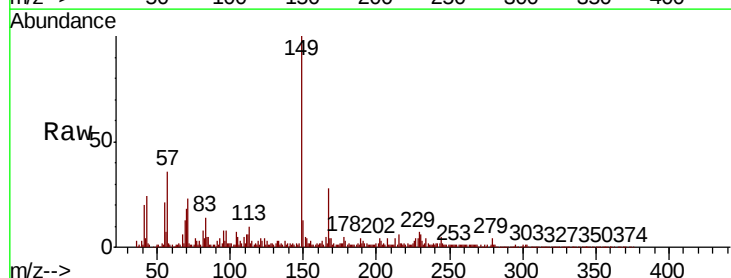
Instrument :
 BNA_G
 ClientSampleId :

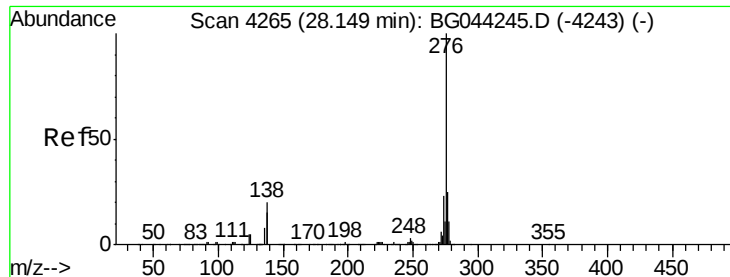
Tot Ion:228 Resp: 1398926
 Ion Ratio Lower Upper
 228 100
 226 35.7 27.1 40.7
 229 24.6 17.9 26.9



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 11.935 ng
 RT: 21.44 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: BG044429.D
 Acq: 13 Feb 2020 22:35

Tgt Ion:149 Resp: 224496
 Ion Ratio Lower Upper
 149 100
 167 27.7 24.0 36.0
 279 4.0 3.8 5.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 14.397 ng

RT: 28.14 min Scan# 4263

Delta R.T. 0.02 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

Instrument :

BNA_G

ClientSampleId :

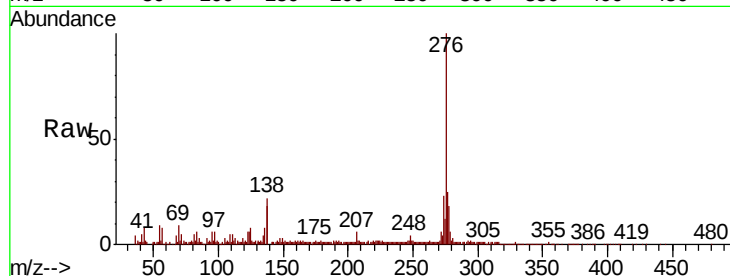
Tot Ion:276 Resp: 522514

Ion Ratio Lower Upper

276 100

138 19.7 19.4 29.0

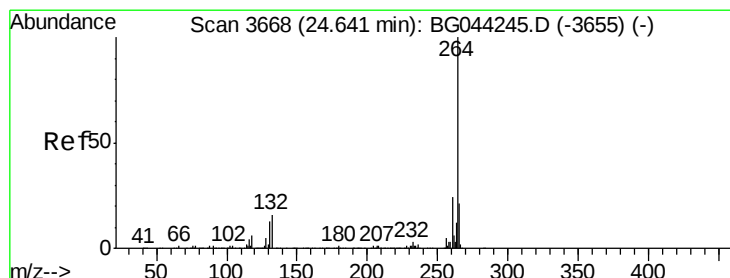
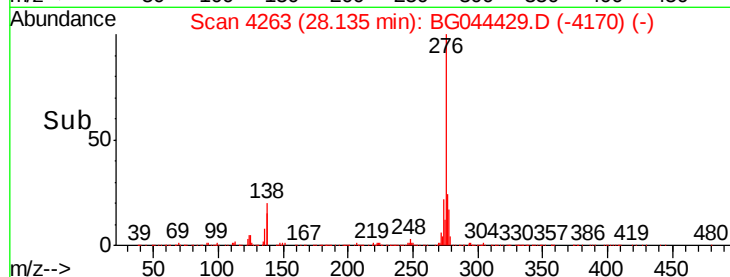
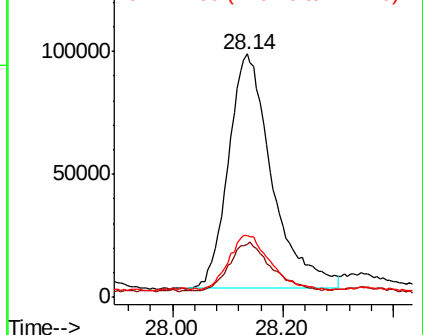
277 22.5 21.0 31.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.63 min Scan# 3667

Delta R.T. 0.01 min

Lab File: BG044429.D

Acq: 13 Feb 2020 22:35

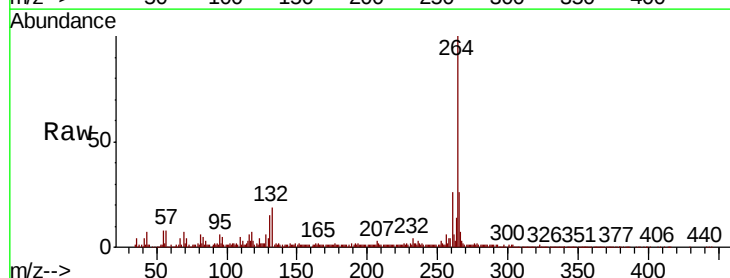
Tgt Ion:264 Resp: 519357

Ion Ratio Lower Upper

264 100

260 26.2 19.4 29.2

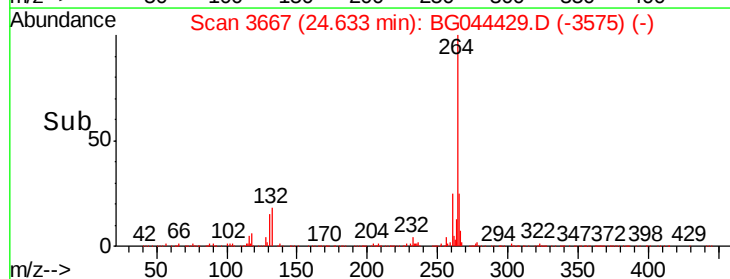
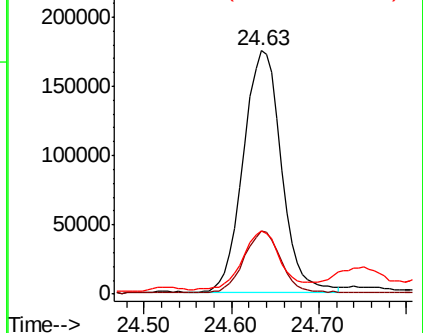
265 25.8 16.7 25.1#

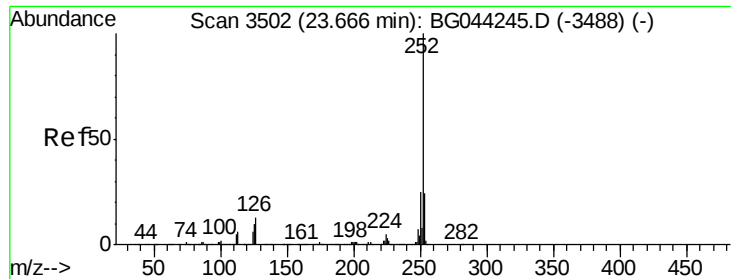


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

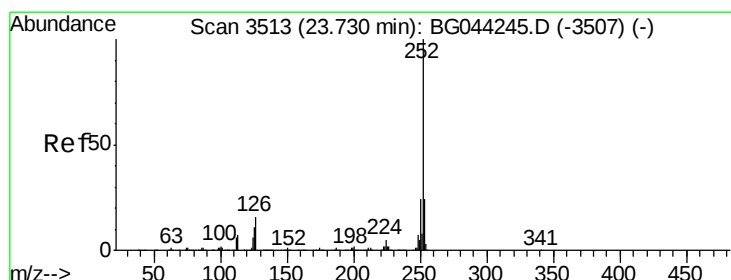
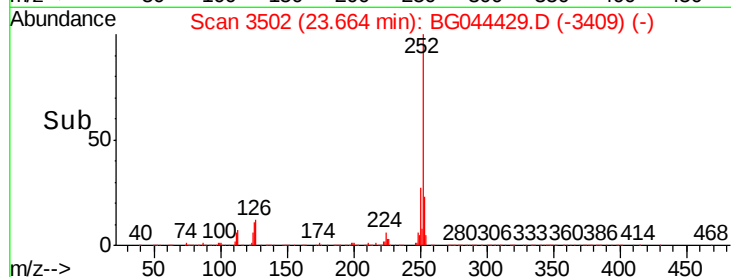
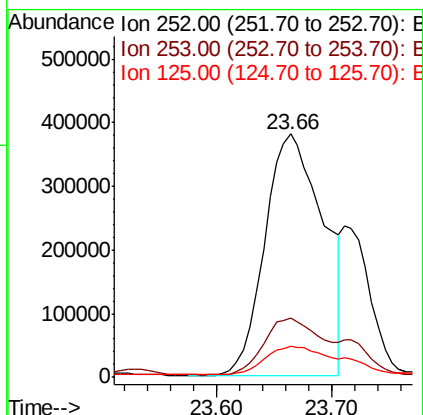
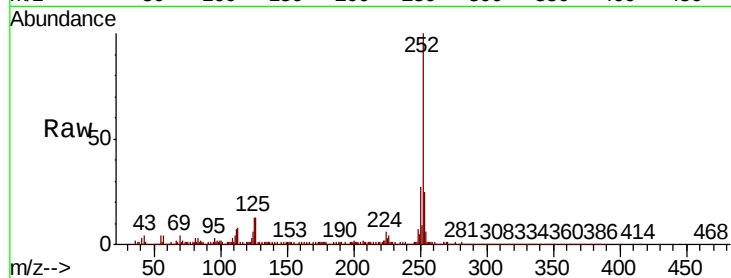




#88
Benzo(b)fluoranthene
Concen: 44.477 ng
RT: 23.66 min Scan# 3502
Delta R.T. 0.02 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

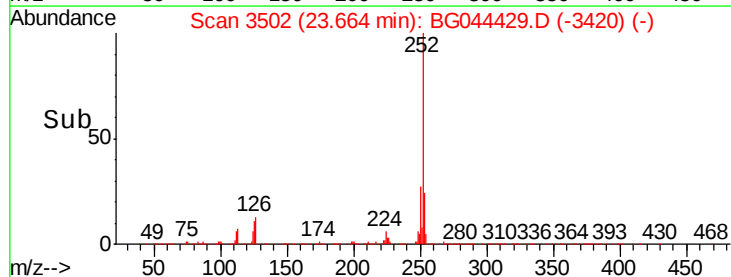
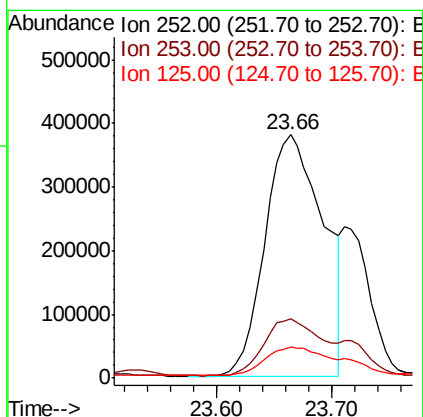
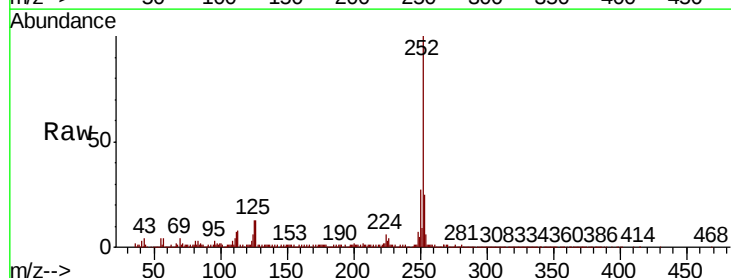
Instrument :
BNA_G
ClientSampleId :

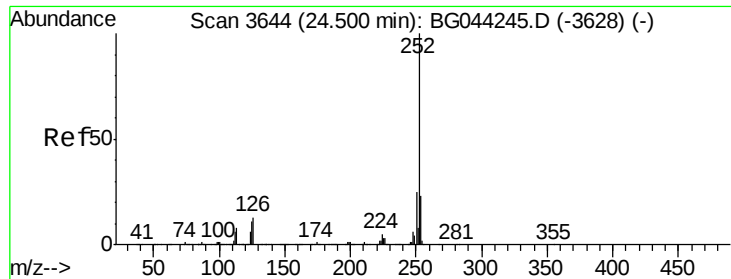
Tot Ion:252 Resp: 1331072
Ion Ratio Lower Upper
252 100
253 24.5 19.2 28.8
125 12.6 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 45.635 ng
RT: 23.66 min Scan# 3502
Delta R.T. -0.05 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt Ion:252 Resp: 1331072
Ion Ratio Lower Upper
252 100
253 24.5 19.1 28.7
125 12.6 8.6 12.8

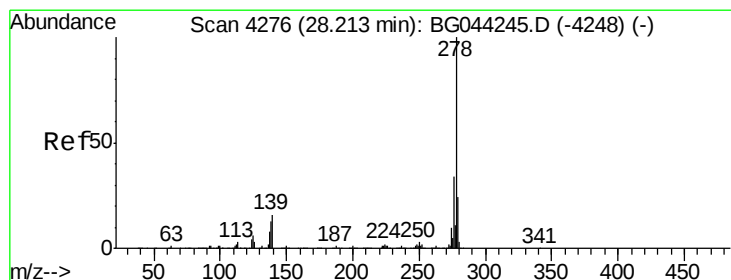
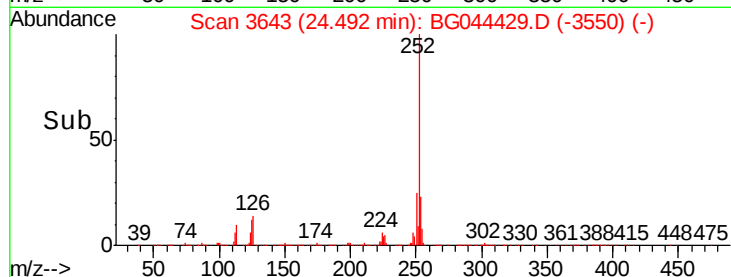
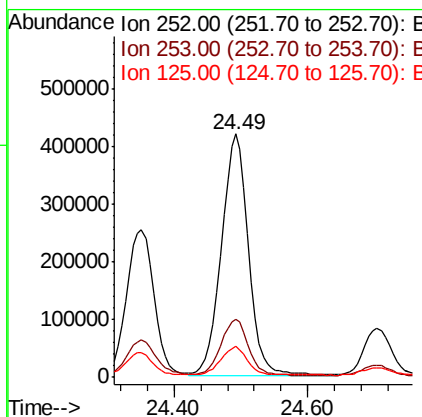
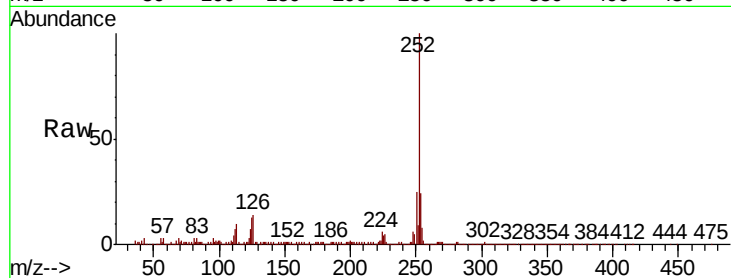




#90
Benzo(a)pyrene
Concen: 42.059 ng
RT: 24.49 min Scan# 3643
Delta R.T. 0.02 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

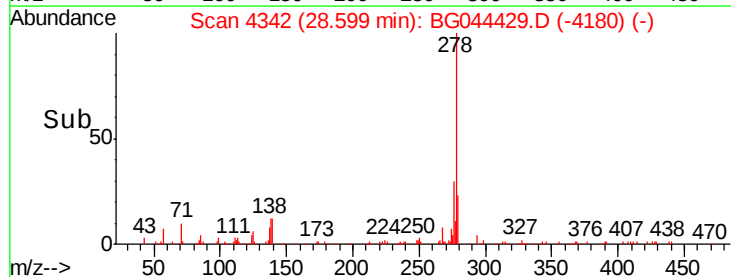
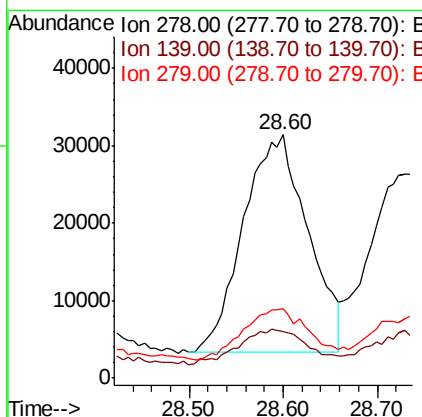
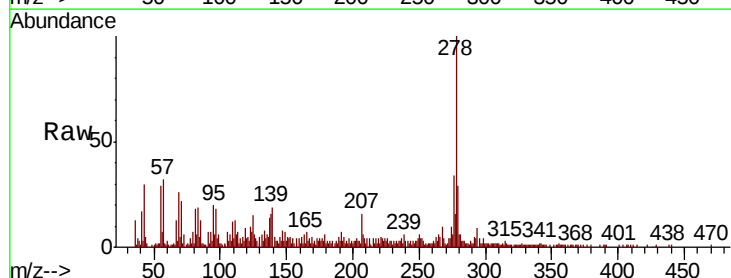
Instrument :
BNA_G
ClientSampled :

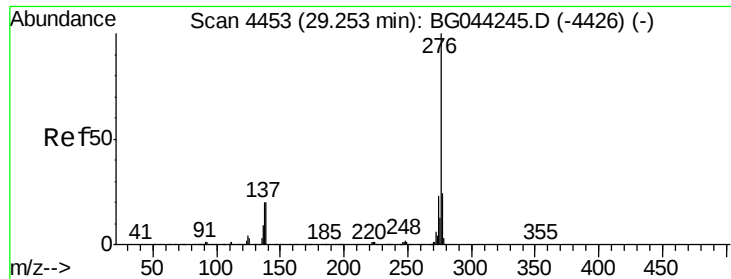
Tot Ion:252 Resp: 1190096
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 12.6 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 4.790 ng
RT: 28.60 min Scan# 4342
Delta R.T. 0.42 min
Lab File: BG044429.D
Acq: 13 Feb 2020 22:35

Tgt Ion:278 Resp: 134147
Ion Ratio Lower Upper
278 100
139 18.9 12.7 19.1
279 28.8 19.3 28.9





#92
 Benzo(a,h,i)perylene
 Concen: 17.180 ng
 RT: 29.23 min Scan# 4449
 Delta R.T. 0.02 min
 Lab File: BG044429.D
 Acq: 13 Feb 2020 22:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	23.5	16.2	24.2

