

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044730.D
 Acq On : 12 Mar 2020 11:33
 Operator : CG/JU
 Sample : PB127439BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:06:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	106185	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	410843	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	283053	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	650790	20.00	ng	0.00
76) Chrysene-d12	21.70	240	620538	20.00	ng	-0.01
87) Perylene-d12	24.66	264	57	20.00	ng	-0.27

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	709373	104.00	ng	0.00
7) Phenol-d6	7.21	99	994095	100.31	ng	0.00
23) Nitrobenzene-d5	9.21	82	644138	68.80	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	370367	99.93	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1372540	69.44	ng	0.00
79) Terphenyl-d14	20.05	244	2239675	67.51	ng	0.00

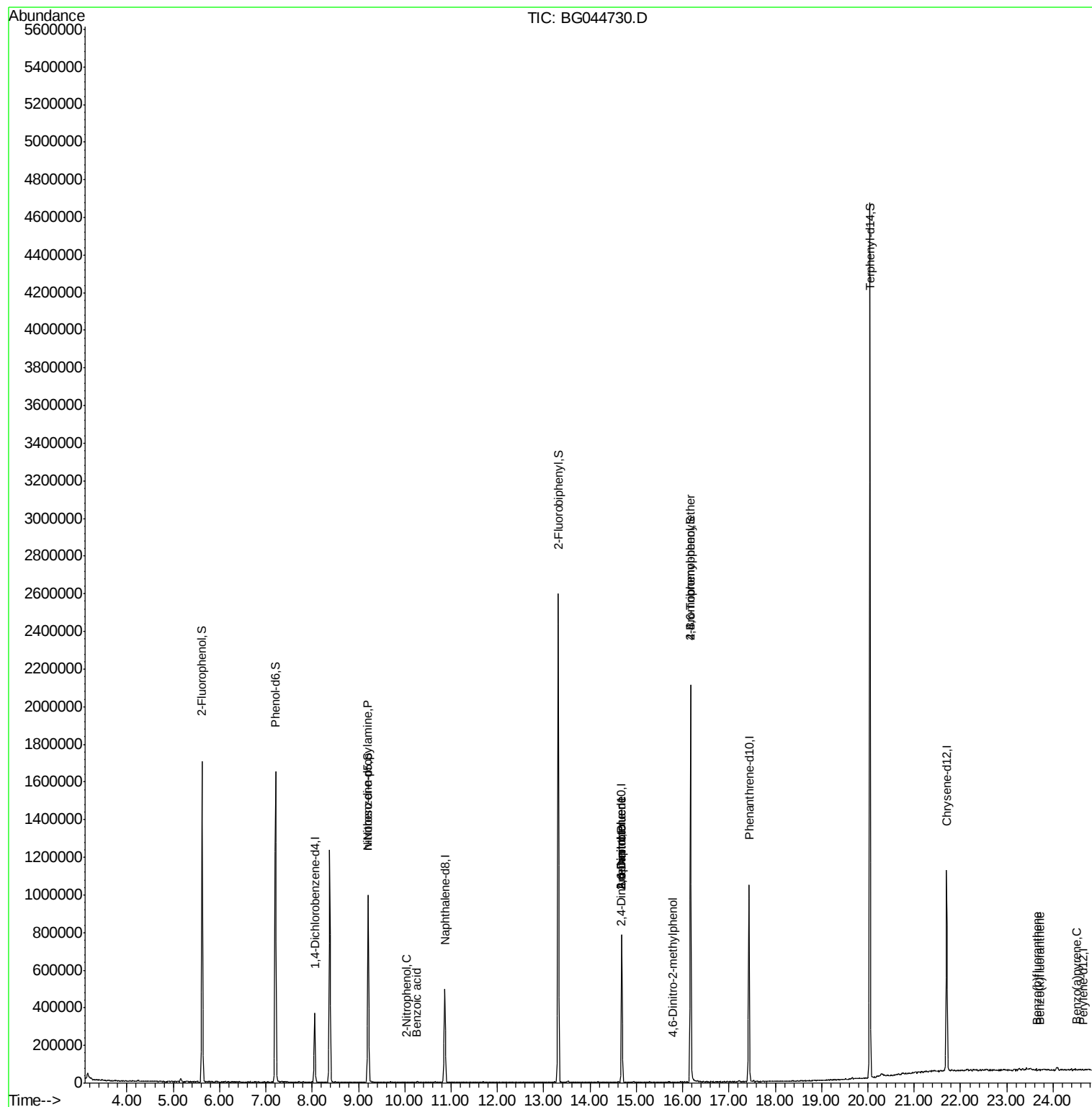
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.22	77	2064	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	85868	12.270	ng	# 75
26) 2-Nitrophenol	10.04	139	66	5.532	ng	# 28
32) Benzoic acid	10.25	122	62	9.680	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	37808	8.320	ng	# 20
54) 2,4-Dinitrophenol	14.67	184	62	8.346	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	37808	6.067	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.80	198	68	7.747	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	24938	3.065	ng	# 1
88) Benzo(b)fluoranthene	23.65	252	144	38.267	ng	# 1
89) Benzo(k)fluoranthene	23.71	252	90	25.273	ng	# 1
90) Benzo(a)pyrene	24.51	252	142	40.329	ng	# 11

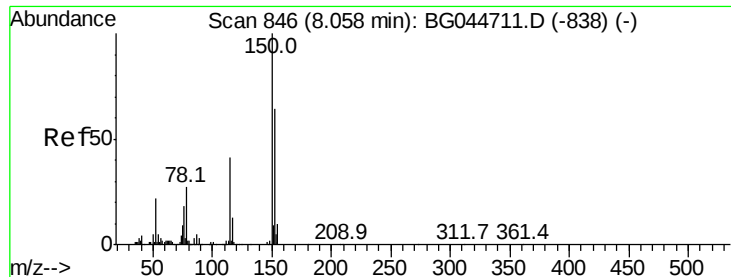
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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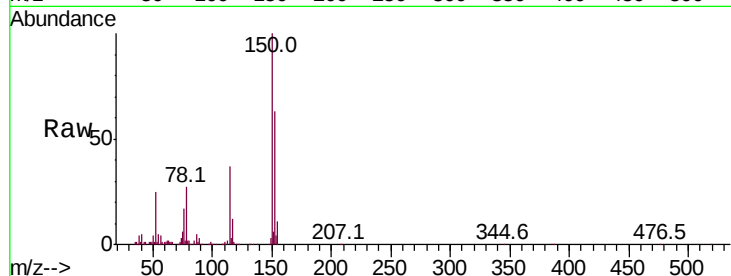


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044730.D
Acq: 12 Mar 2020 11:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.3	187.9
115	58.9	51.7	77.5

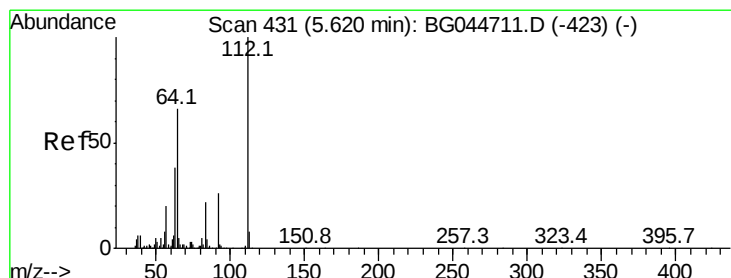
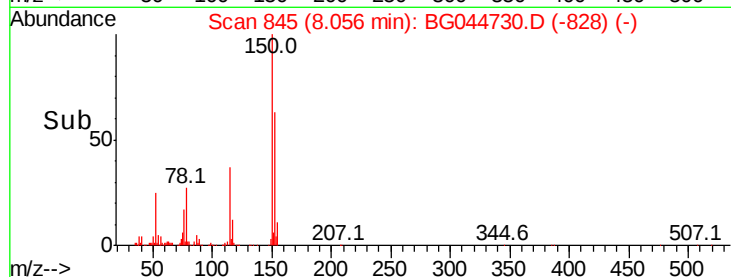
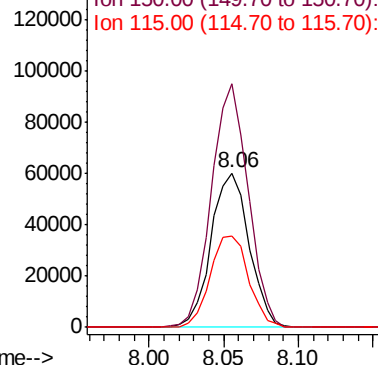


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

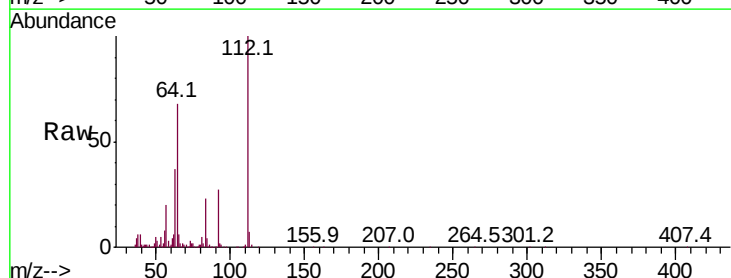
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.995 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044730.D
Acq: 12 Mar 2020 11:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	52.6	78.8
63	37.1	30.2	45.4

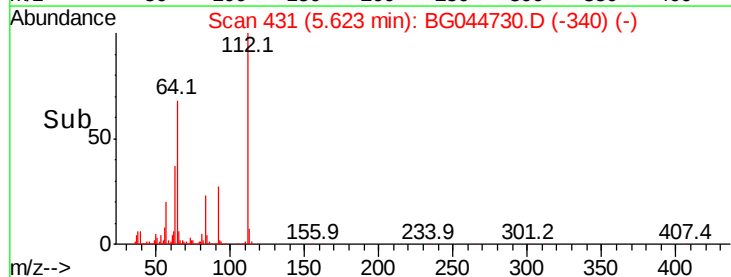
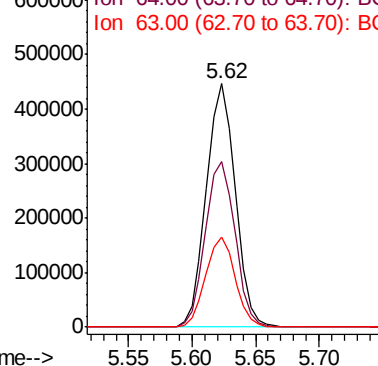


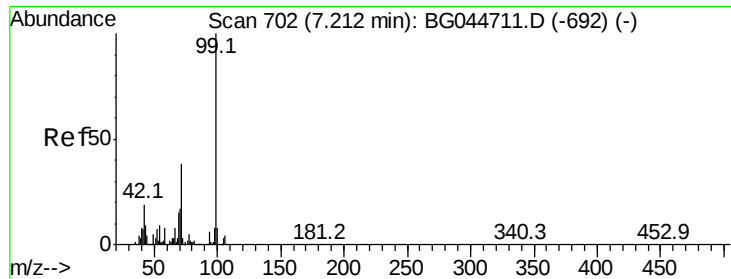
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 100.305 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

Instrument :

BNA_G

ClientSampleId :

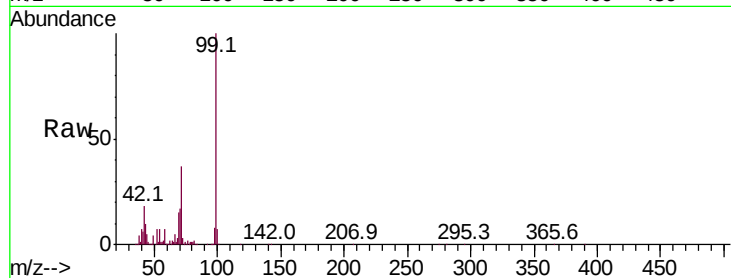
Tot Ion: 99 Resp: 994095

Ion Ratio Lower Upper

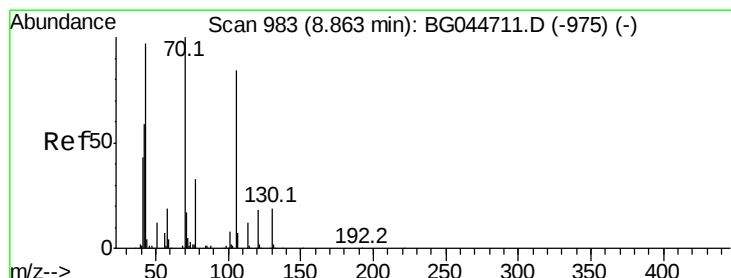
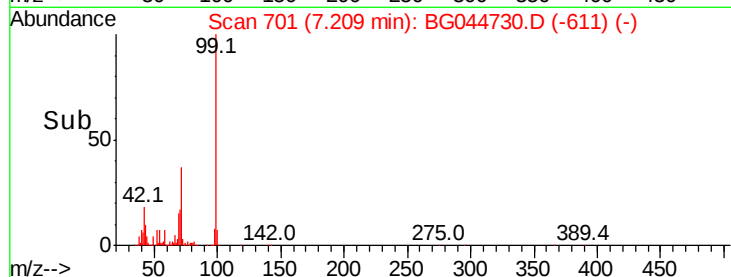
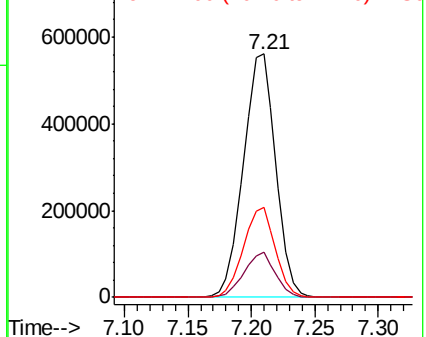
99 100

42 18.4 15.4 23.0

71 37.2 30.2 45.4



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: 12.270 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

Tgt Ion: 70 Resp: 85868

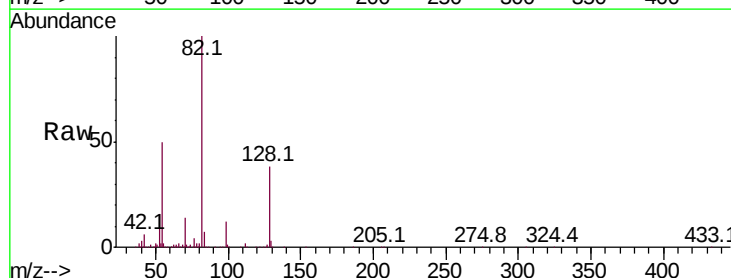
Ion Ratio Lower Upper

70 100

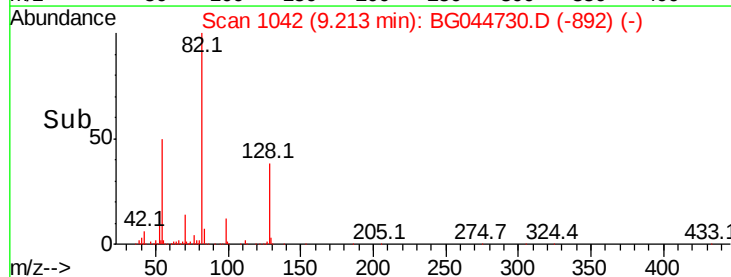
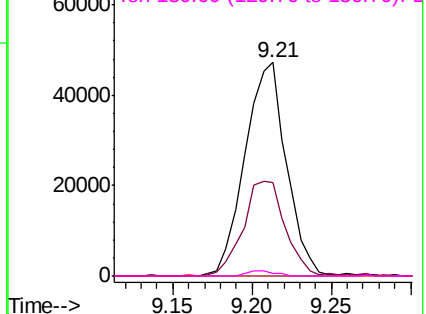
42 43.9 47.6 71.4#

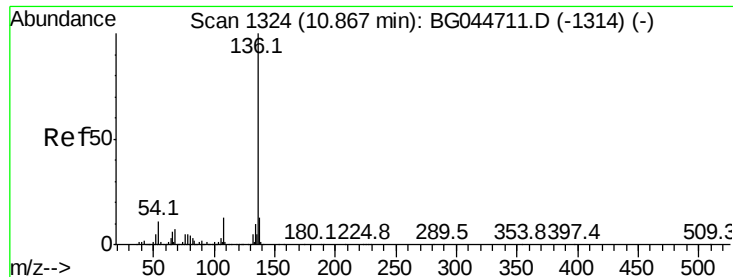
101 0.0 6.5 9.7#

130 1.3 15.0 22.4#



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

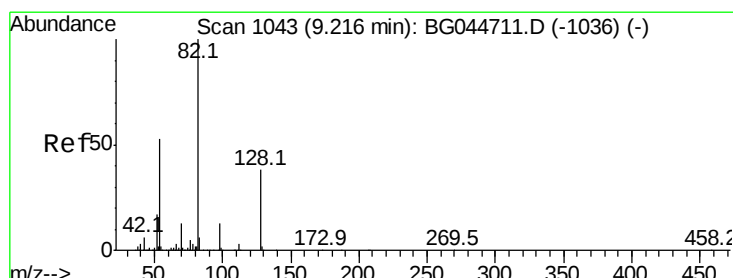
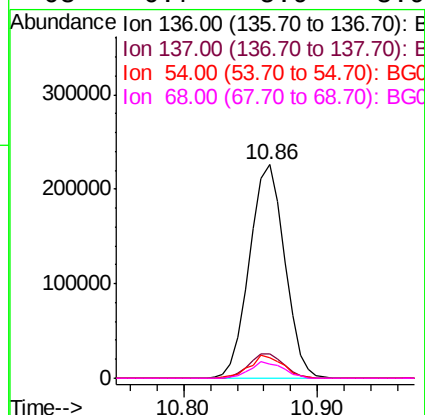
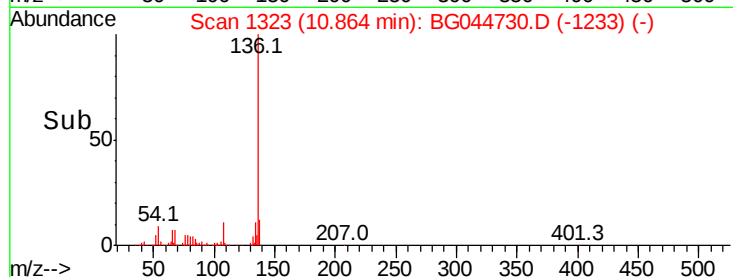
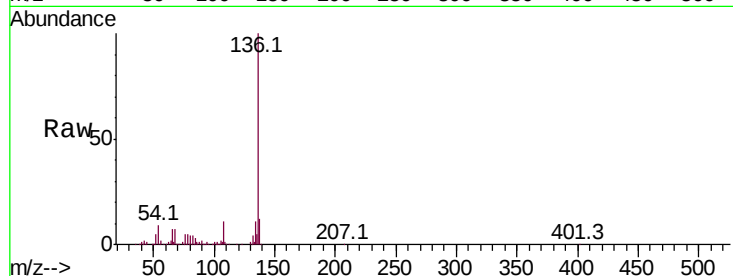




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG044730.D
Acq: 12 Mar 2020 11:33

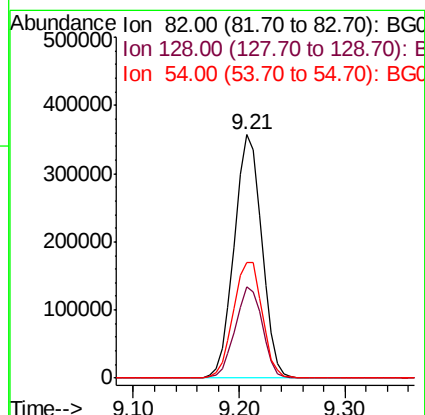
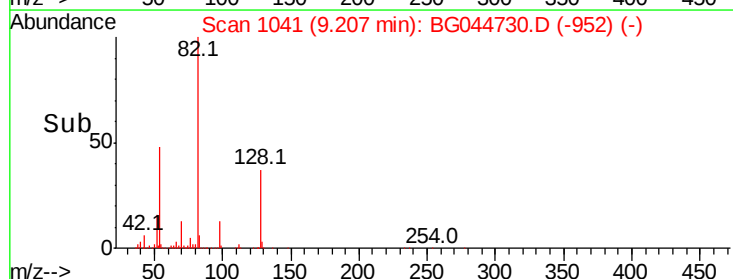
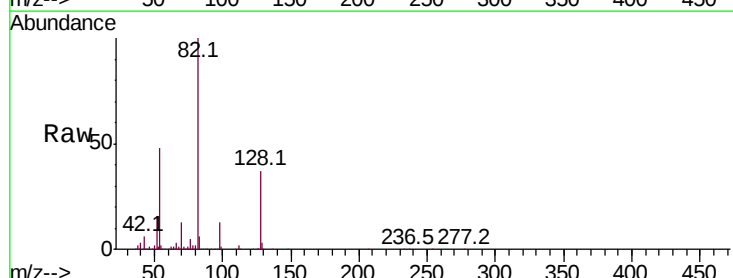
Instrument :
BNA_G
ClientSampleId :

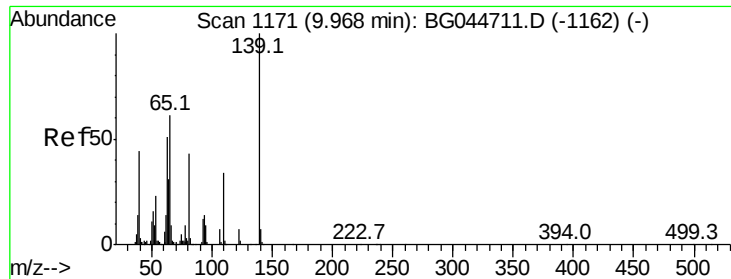
Tot Ion:136	Resp:	410843
Ion Ratio	Lower	Upper
136	100	
137	11.6	10.7 16.1
54	9.5	9.0 13.4
68	6.7	5.9 8.9



#23
Nitrobenzene-d5
Concen: 68.799 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044730.D
Acq: 12 Mar 2020 11:33

Tgt Ion: 82	Resp:	644138
Ion Ratio	Lower	Upper
82	100	
128	37.3	30.2 45.2
54	47.7	41.8 62.8





#26

2-Nitrophenol

Concen: 5.532 ng

RT: 10.04 min Scan# 1182

Delta R.T. 0.07 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

Instrument :

BNA_G

ClientSampled :

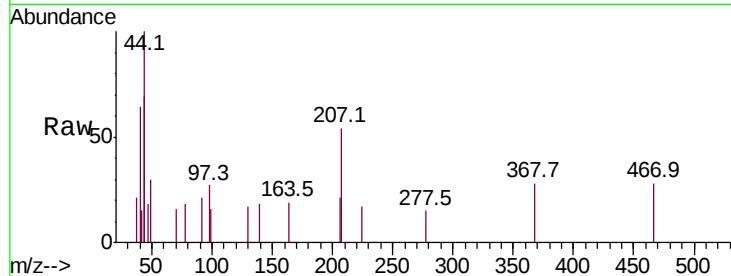
Tot Ion:139 Resp: 66

Ion Ratio Lower Upper

139 100

109 0.0 27.0 40.4#

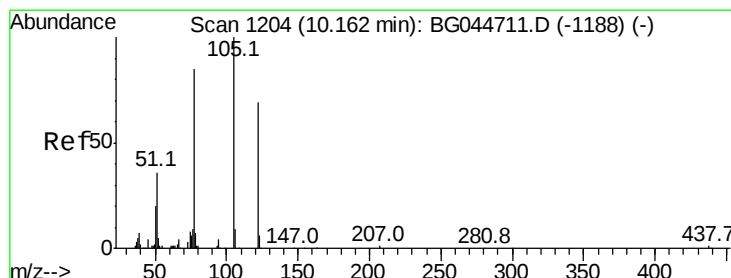
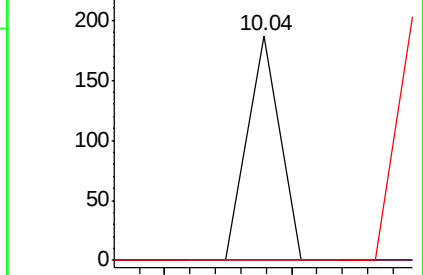
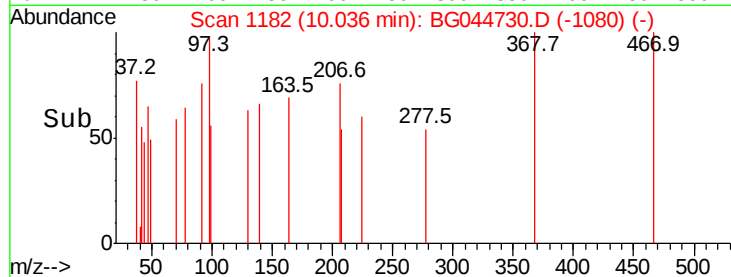
65 0.0 48.6 73.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#32

Benzoic acid

Concen: 9.680 ng

RT: 10.25 min Scan# 1218

Delta R.T. 0.09 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

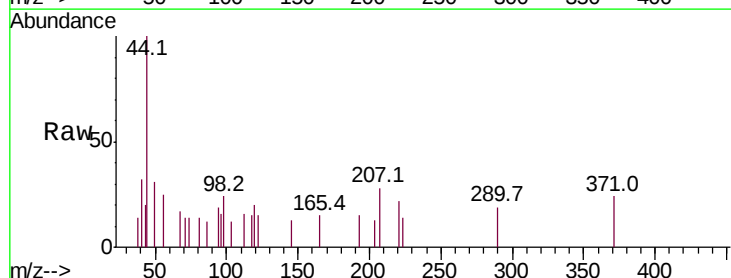
Tgt Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

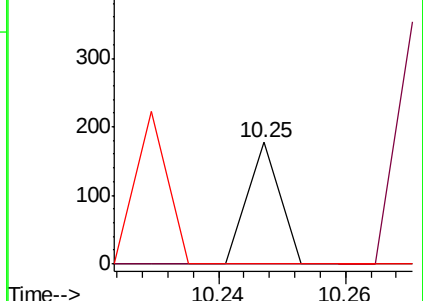
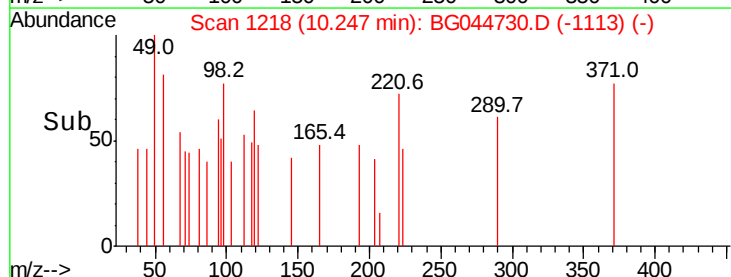
77 0.0 96.4 136.4#

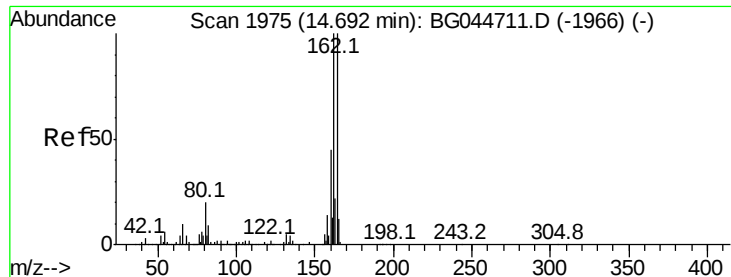


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

Instrument :

BNA_G

ClientSampleId :

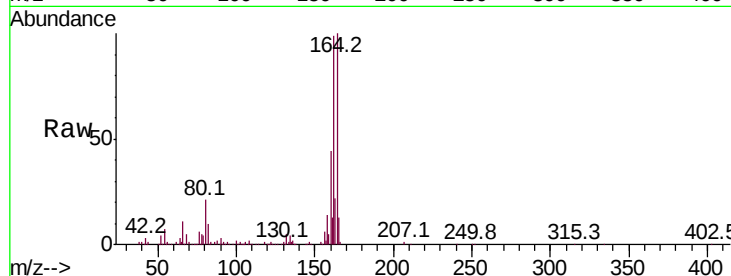
Tot Ion:164 Resp: 283053

Ion Ratio Lower Upper

164 100

162 98.6 80.2 120.4

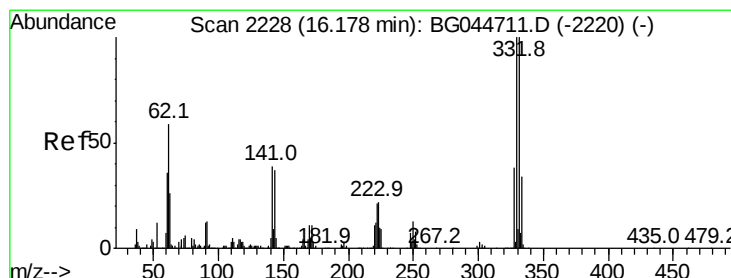
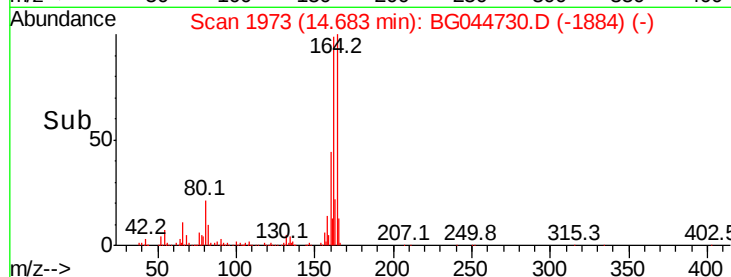
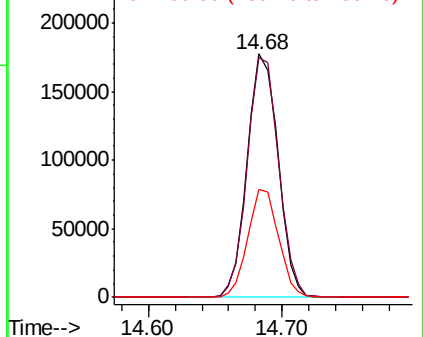
160 44.5 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 99.933 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

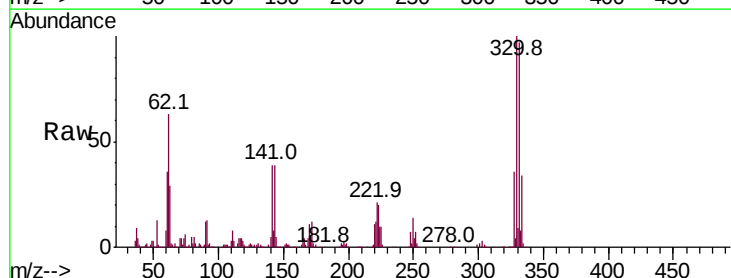
Tgt Ion:330 Resp: 370367

Ion Ratio Lower Upper

330 100

332 96.9 77.5 116.3

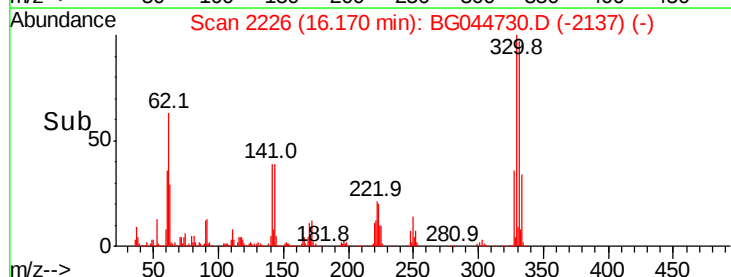
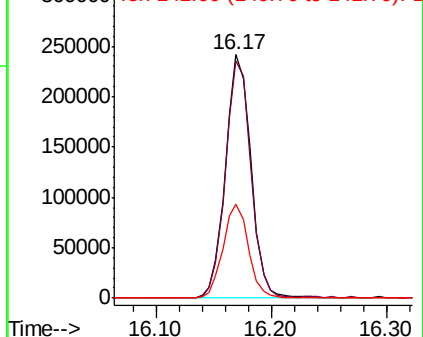
141 38.9 31.7 47.5

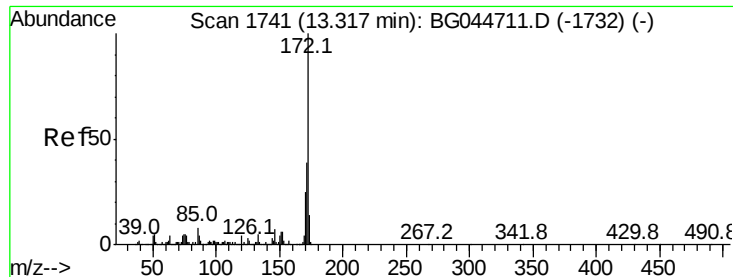


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 69.440 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

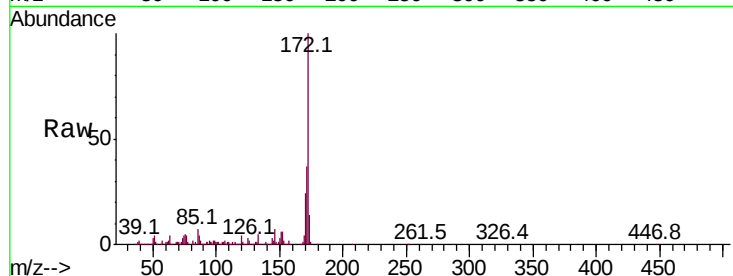
Instrument :

BNA_G

ClientSampled :

Tot Ion:172 Resp: 1372540

Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.8	46.2
170	24.1	20.0	30.0

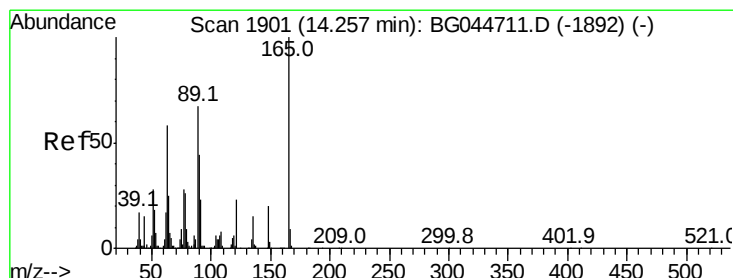
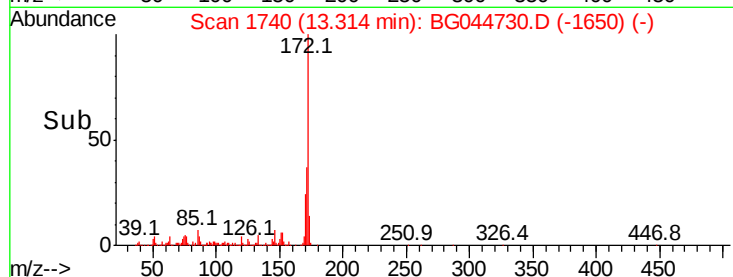
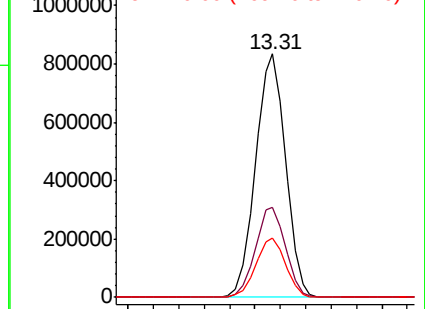


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51

2,6-Dinitrotoluene

Concen: 8.320 ng

RT: 14.68 min Scan# 1973

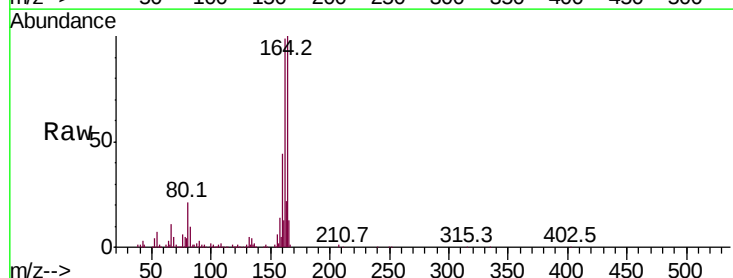
Delta R.T. 0.43 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

Tgt Ion:165 Resp: 37808

Ion	Ratio	Lower	Upper
165	100		
63	1.7	48.9	73.3#
89	1.6	53.8	80.8#

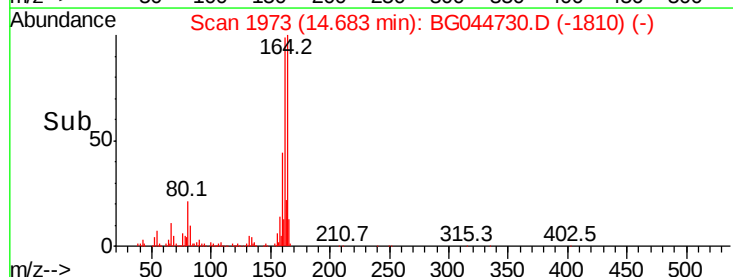
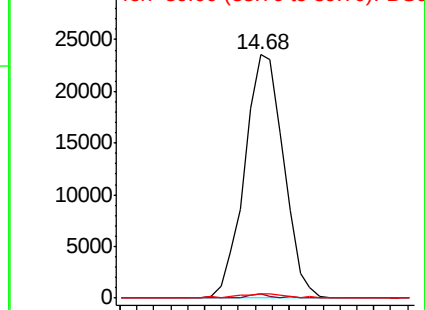


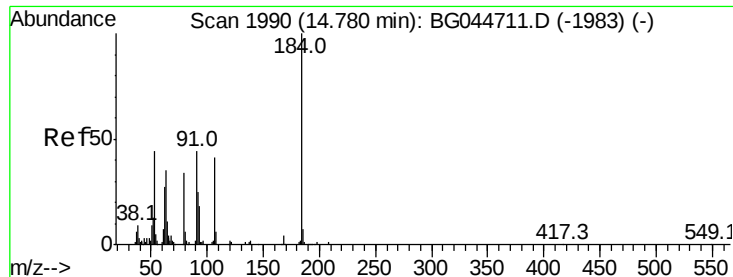
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

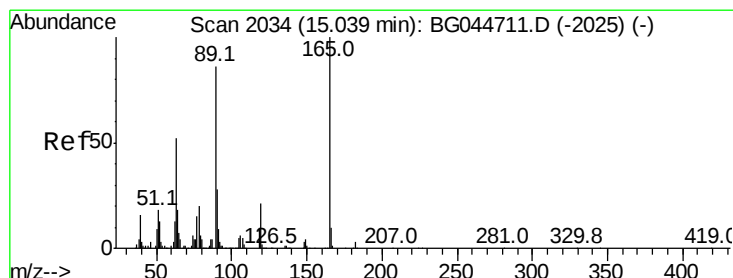
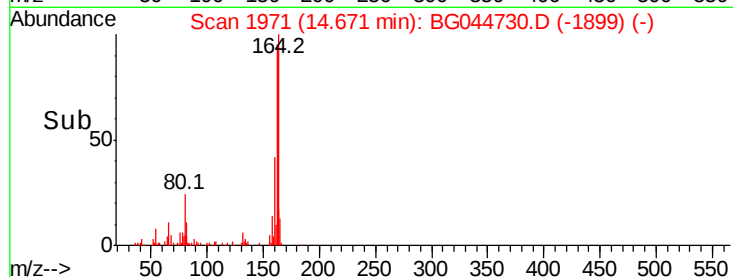
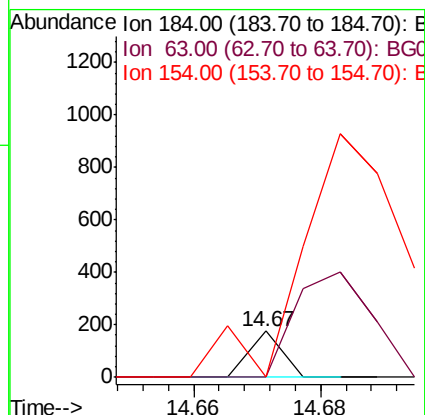
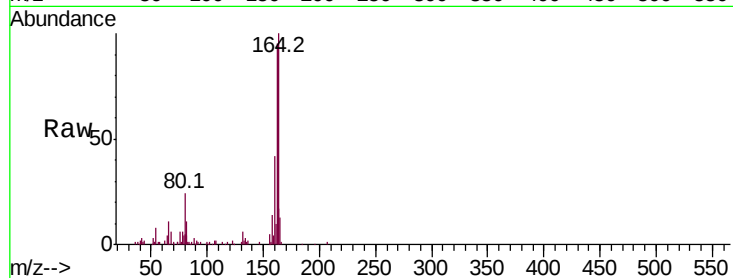




#54
 2,4-Dinitrophenol
 Concen: 8.346 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.11 min
 Lab File: BG044730.D
 Acq: 12 Mar 2020 11:33

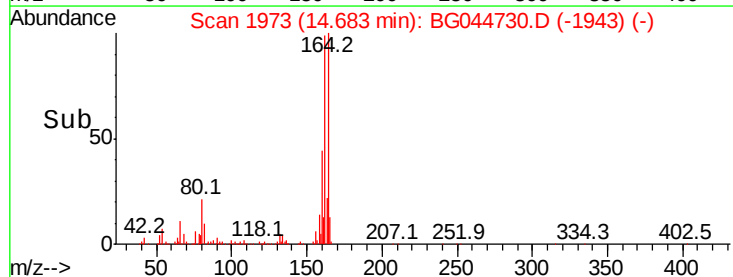
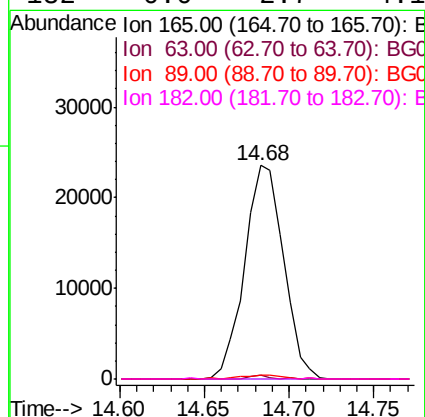
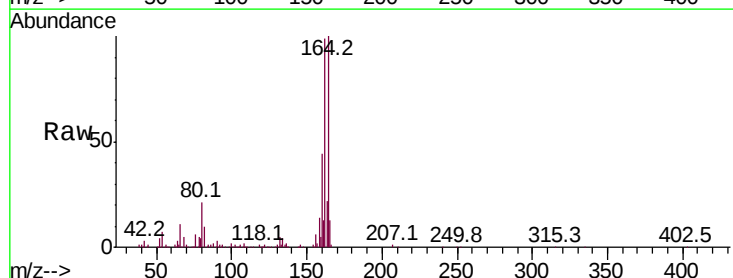
Instrument :
 BNA_G
 ClientSampleId :

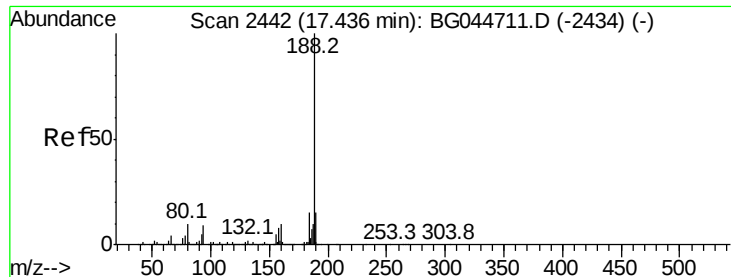
Tot Ion:184 Resp: 62
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.0 73.6#
 154 0.0 94.5 141.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.067 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.36 min
 Lab File: BG044730.D
 Acq: 12 Mar 2020 11:33

Tgt Ion:165 Resp: 37808
 Ion Ratio Lower Upper
 165 100
 63 1.7 41.5 62.3#
 89 1.6 69.0 103.4#
 182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

Instrument :

BNA_G

ClientSampleId :

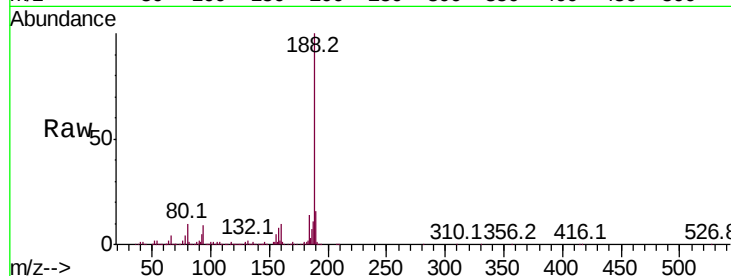
Tot Ion:188 Resp: 650790

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

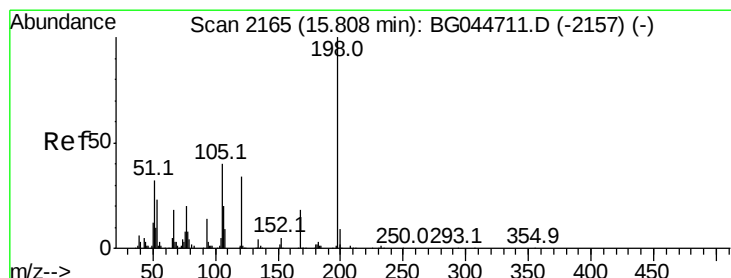
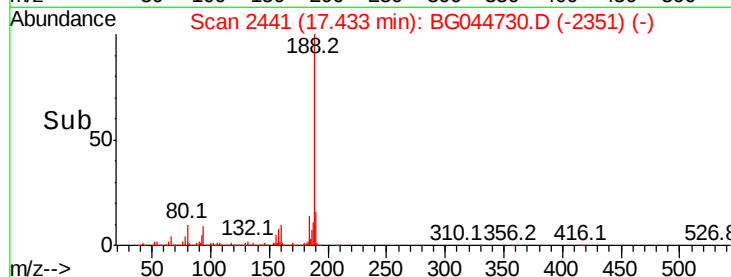
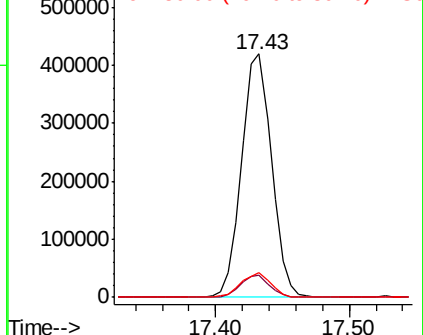
80 9.9 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 7.747 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

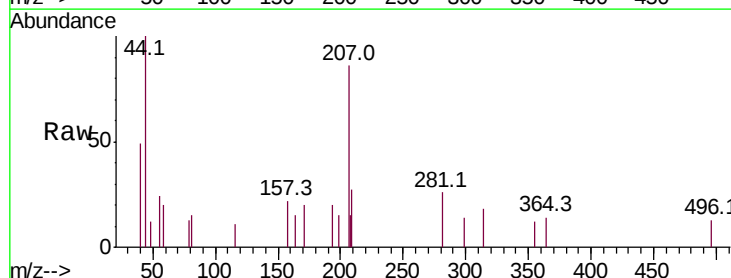
Tgt Ion:198 Resp: 68

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

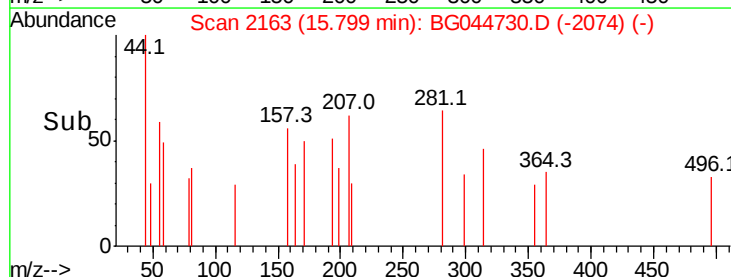
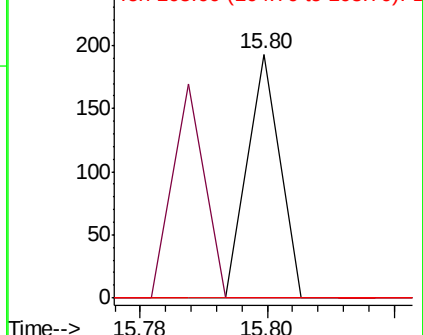
105 0.0 21.3 61.3#

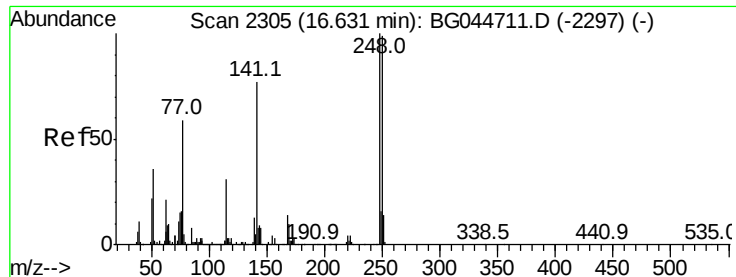


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

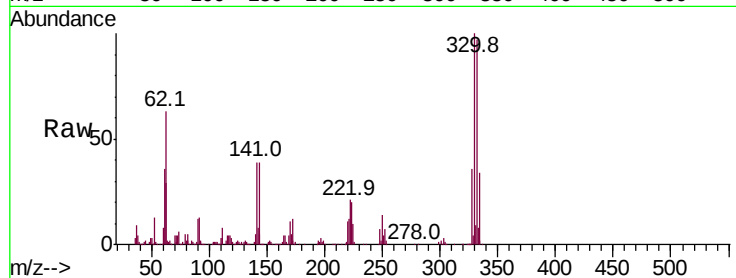




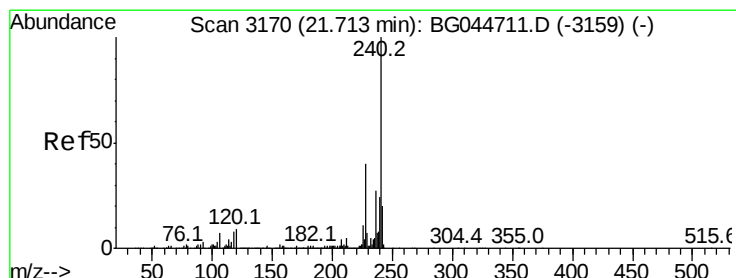
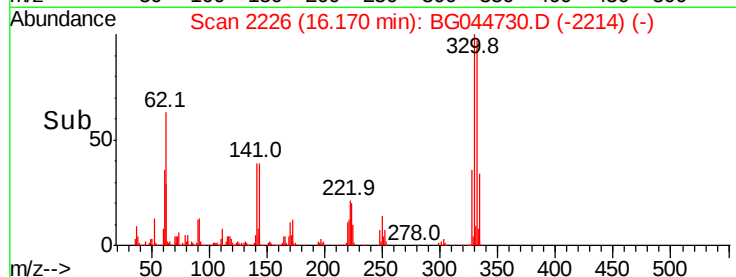
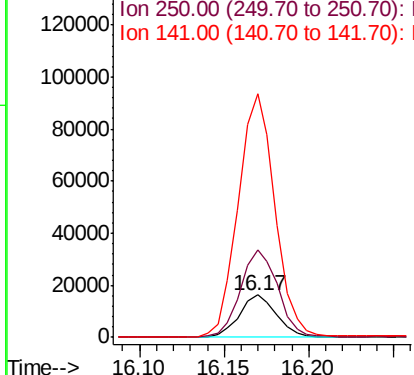
#67
 4-Bromophenyl-phenylether
 Concen: 3.065 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044730.D
 Acq: 12 Mar 2020 11:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 24938
 Ion Ratio Lower Upper
 248 100
 250 208.6 79.4 119.0#
 141 578.2 61.7 92.5#

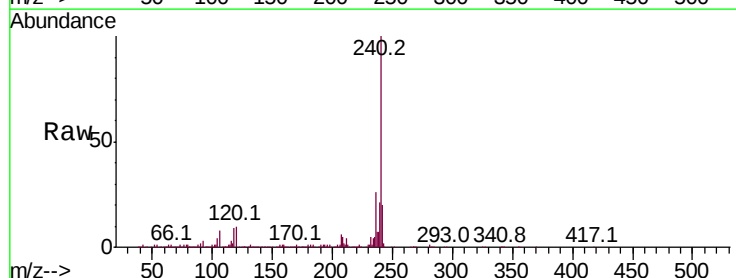


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

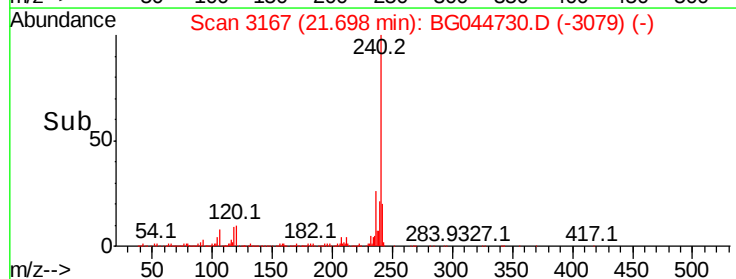
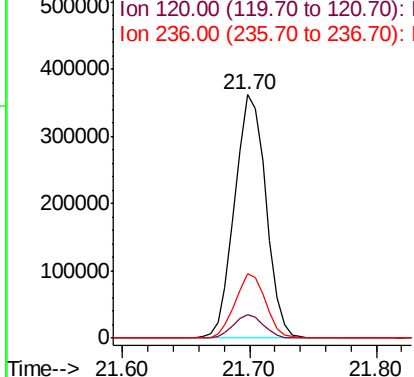


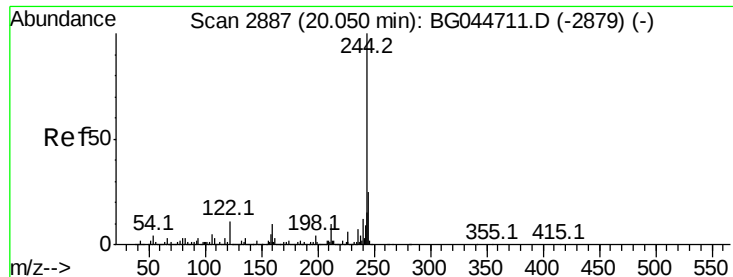
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.01 min
 Lab File: BG044730.D
 Acq: 12 Mar 2020 11:33

Tgt Ion:240 Resp: 620538
 Ion Ratio Lower Upper
 240 100
 120 9.6 6.9 10.3
 236 26.3 21.9 32.9



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





#79

Terphenyl-d14

Concen: 67.513 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

Instrument :

BNA_G

ClientSampleId :

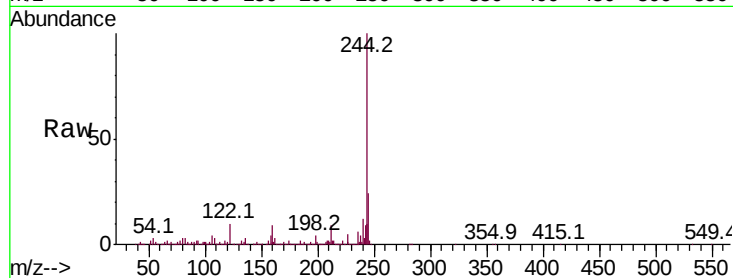
Tot Ion:244 Resp: 2239675

Ion Ratio Lower Upper

244 100

212 9.4 8.4 12.6

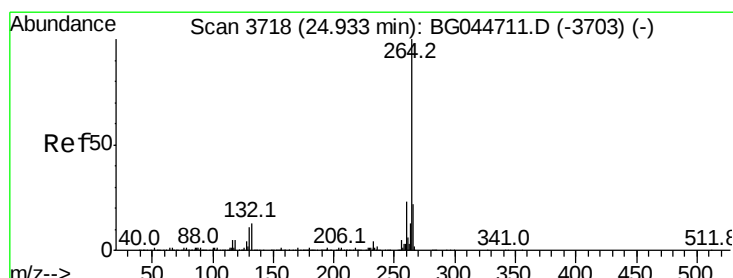
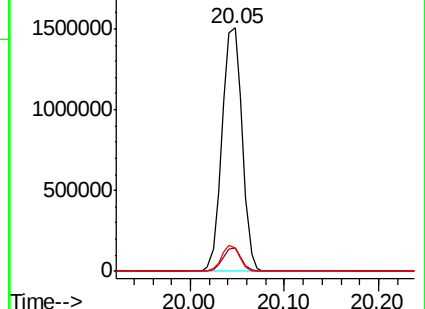
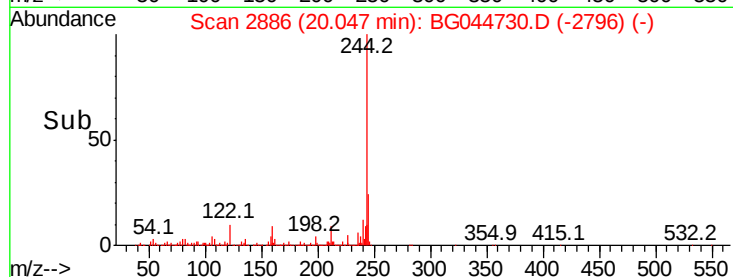
122 9.8 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.66 min Scan# 3671

Delta R.T. -0.27 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

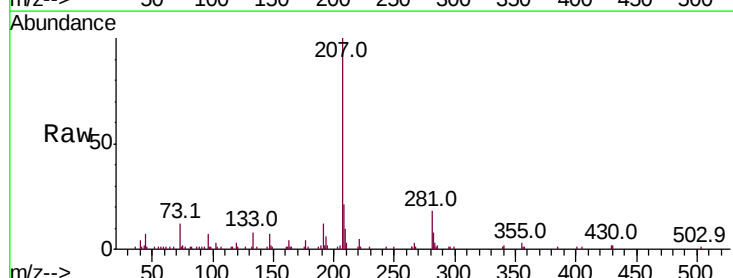
Tgt Ion:264 Resp: 57

Ion Ratio Lower Upper

264 100

260 0.0 18.4 27.6#

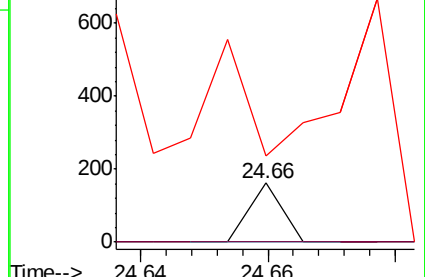
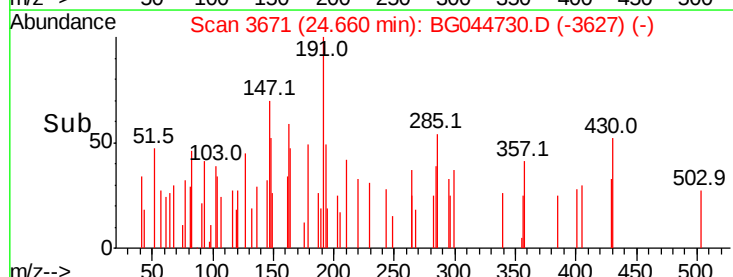
265 59.5 17.4 26.2#

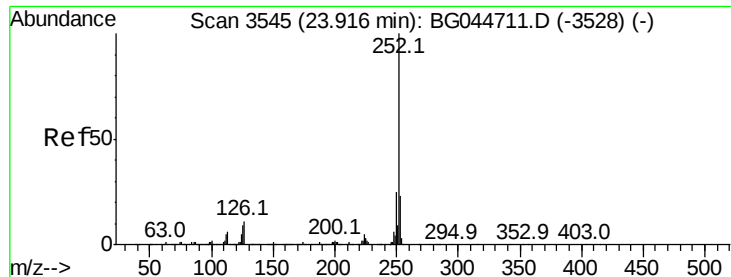


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 38.267 ng

RT: 23.65 min Scan# 3500

Delta R.T. -0.26 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

Instrument :

BNA_G

ClientSampled :

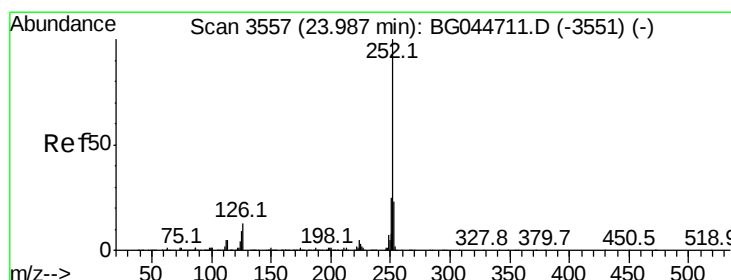
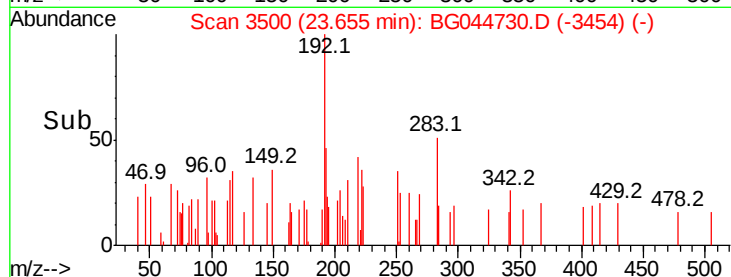
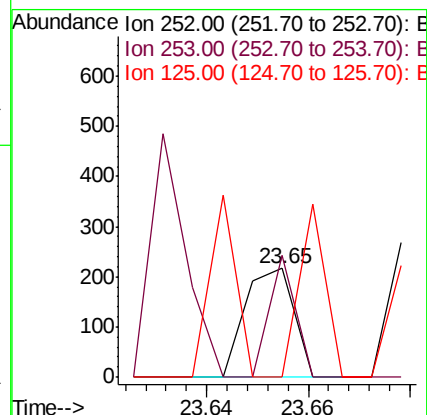
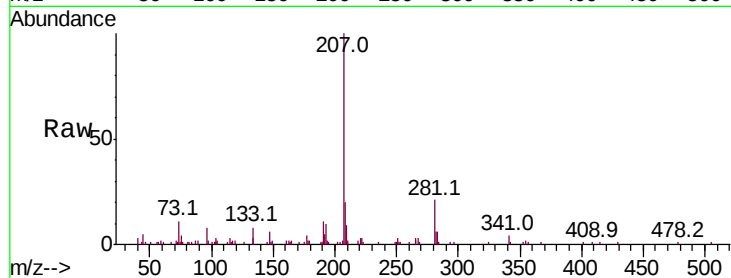
Tot Ion:252 Resp: 144

Ion Ratio Lower Upper

252 100

253 112.0 18.7 28.1#

125 0.0 7.2 10.8#



#89

Benzo(k)fluoranthene

Concen: 25.273 ng

RT: 23.71 min Scan# 3509

Delta R.T. -0.28 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

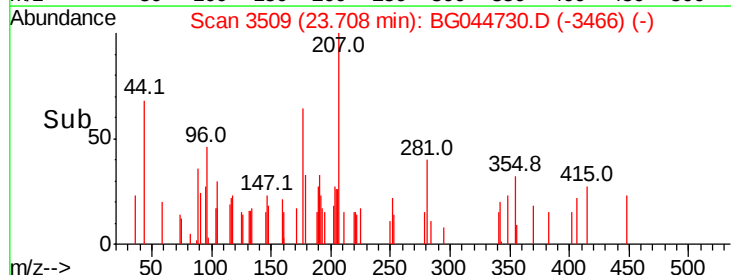
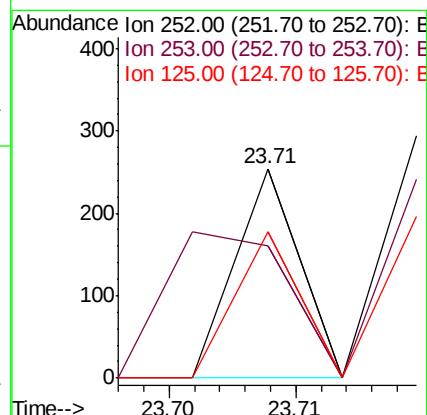
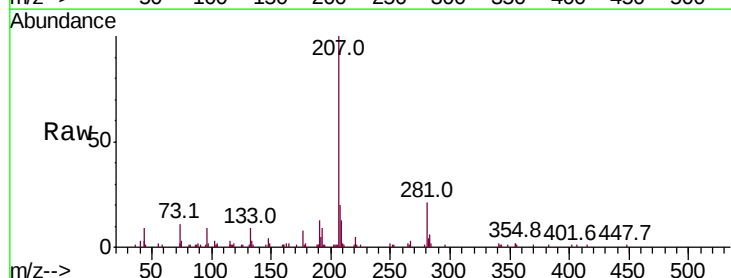
Tgt Ion:252 Resp: 90

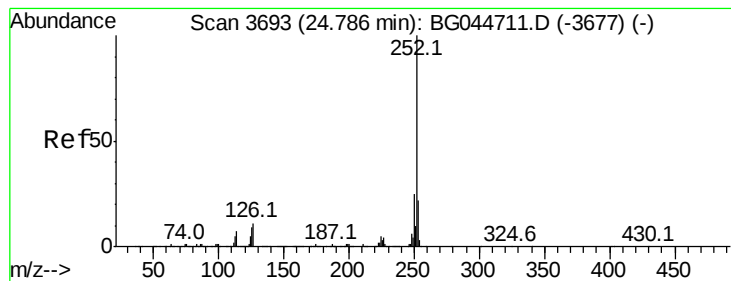
Ion Ratio Lower Upper

252 100

253 63.0 18.4 27.6#

125 69.7 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 40.329 ng

RT: 24.51 min Scan# 3645

Delta R.T. -0.28 min

Lab File: BG044730.D

Acq: 12 Mar 2020 11:33

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 252 Resp: 142

Ion Ratio Lower Upper

252 100

253 0.0 17.7 26.5#

125 79.1 7.0 10.6#

