

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044770.D
 Acq On : 13 Mar 2020 16:56
 Operator : CG/JU
 Sample : L1756-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-031020

Quant Time: Mar 13 17:35:55 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	8.05	152	146370	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	596086	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	387556	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	775035	20.00	ng	0.00
76) Chrysene-d12	21.70	240	630240	20.00	ng	-0.01
87) Perylene-d12	24.93	264	710865	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	353423	37.59	ng	0.00
7) Phenol-d6	7.21	99	534754	39.14	ng	0.00
23) Nitrobenzene-d5	9.20	82	346136	25.48	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	196427	38.71	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	755060	27.90	ng	0.00
79) Terphenyl-d14	20.04	244	1013644	30.08	ng	0.00

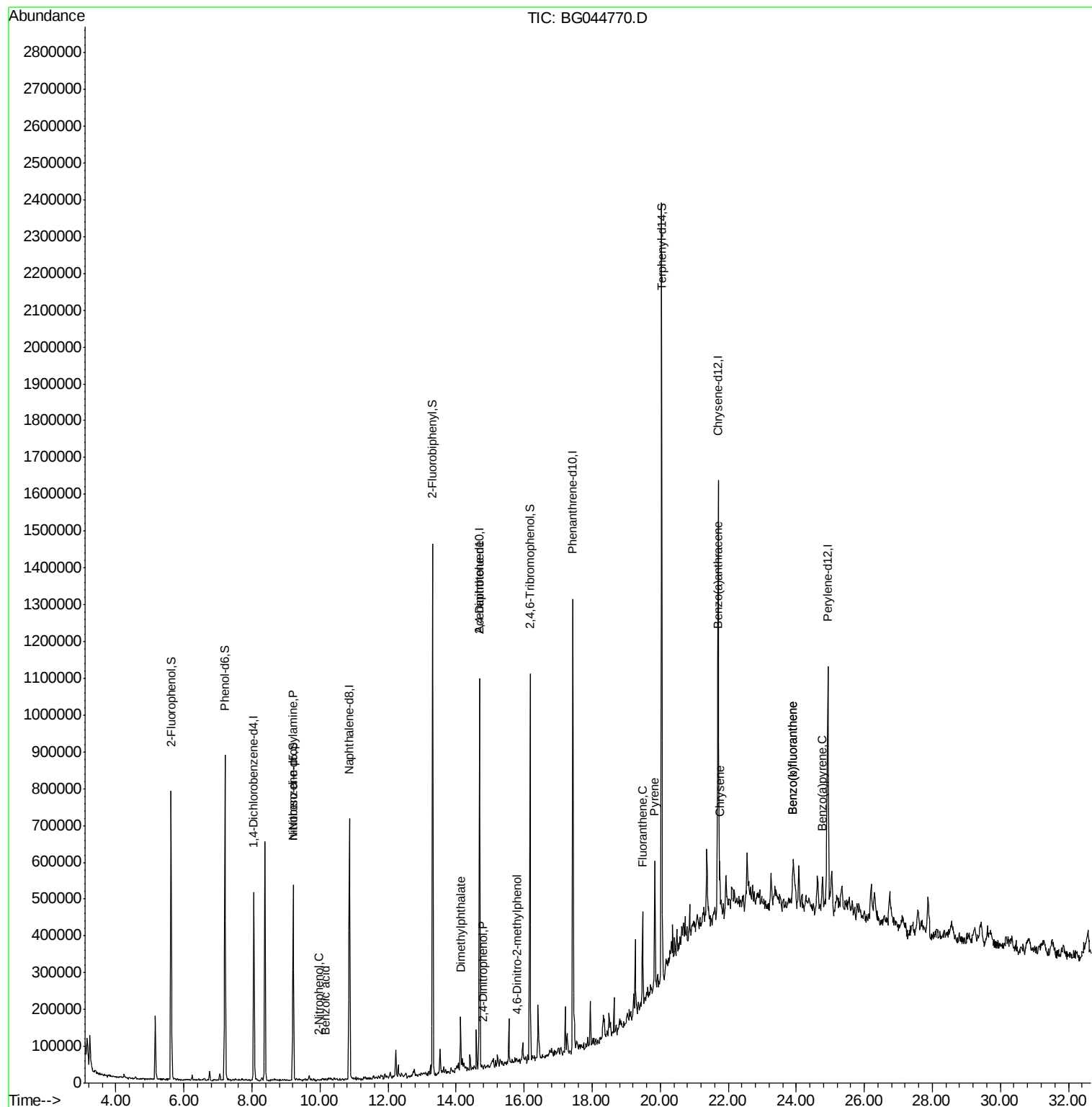
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1715	Below Cal		# 14
19) n-Nitroso-di-n-propylamine	9.21	70	45553	4.722	ng	# 74
26) 2-Nitrophenol	9.97	139	57	5.525	ng	# 32
32) Benzoic acid	10.14	122	53	9.676	ng	# 1
50) Dimethylphthalate	14.13	163	85739	2.778	ng	96
54) 2,4-Dinitrophenol	14.79	184	62	8.340	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	53682	6.291	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.78	198	81	7.747	ng	# 1
75) Fluoranthene	19.48	202	152153	3.085	ng	91
78) Pyrene	19.84	202	166647	3.604	ng	99
81) Benzo(a)anthracene	21.68	228	94125	2.074	ng	92
83) Chrysene	21.75	228	106154	2.449	ng	98
88) Benzo(b)fluoranthene	23.91	252	145071	3.091	ng	# 95
89) Benzo(k)fluoranthene	23.91	252	145071	3.267	ng	# 96
90) Benzo(a)pyrene	24.77	252	111058	2.529	ng	# 94

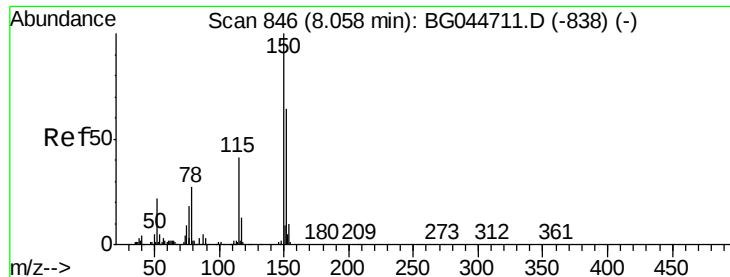
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044770.D
Acq On : 13 Mar 2020 16:56
Operator : CG/JU
Sample : L1756-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-03-031020

Quant Time: Mar 13 17:35:55 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



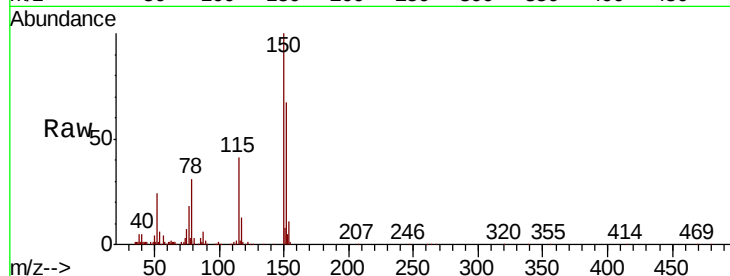


#1

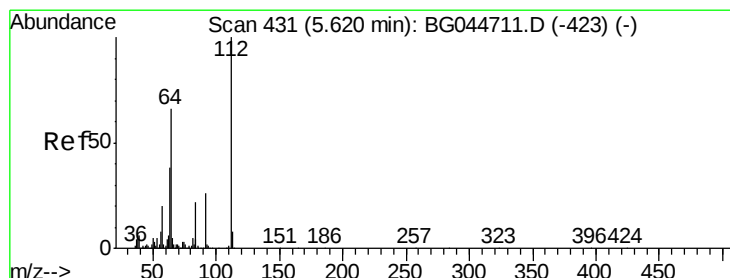
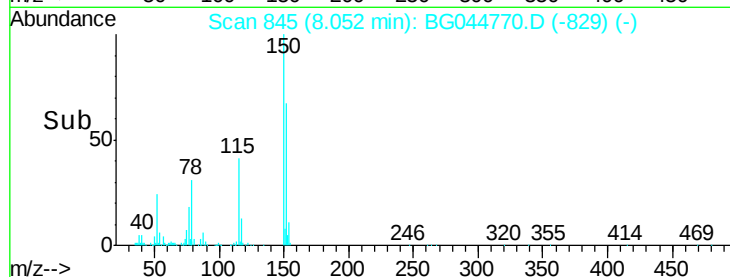
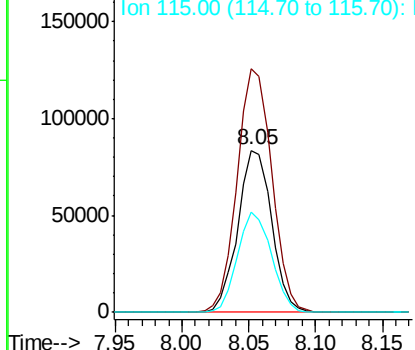
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG044770.D
 Acq: 13 Mar 2020 16:56

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-031020

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	125.3	187.9
115	62.1	51.7	77.5



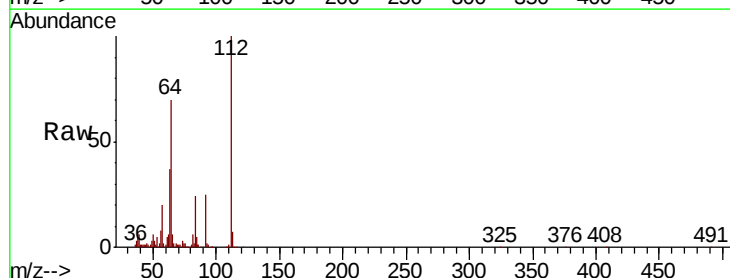
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



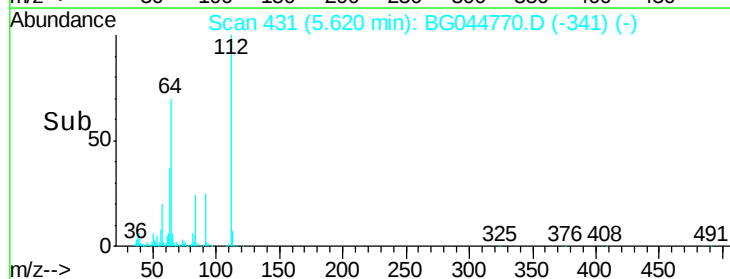
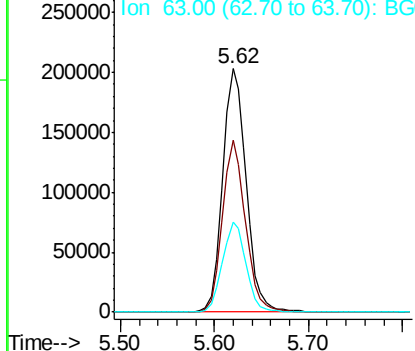
#5

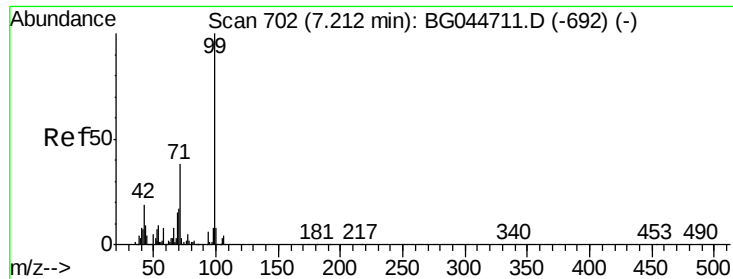
2-Fluorophenol
 Concen: 37.588 ng
 RT: 5.62 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: BG044770.D
 Acq: 13 Mar 2020 16:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	52.6	78.8
63	37.0	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: 39.144 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Instrument :

BNA_G

ClientSampleId :

OK-03-031020

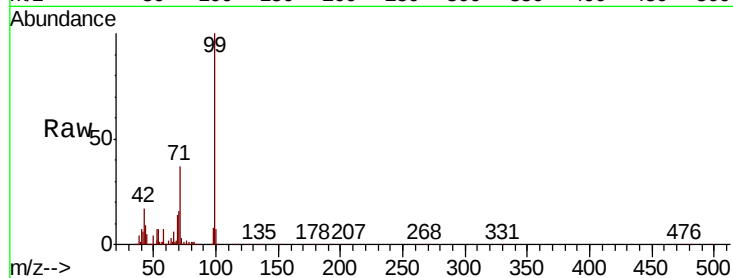
Tot Ion: 99 Resp: 534754

Ion Ratio Lower Upper

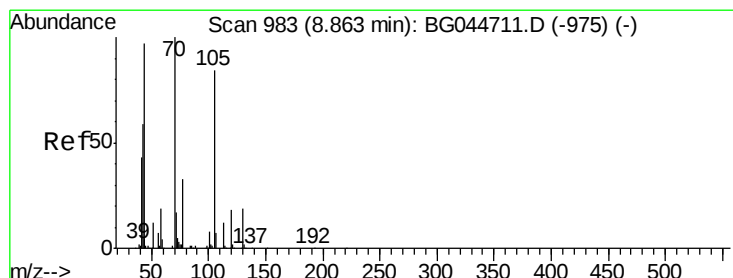
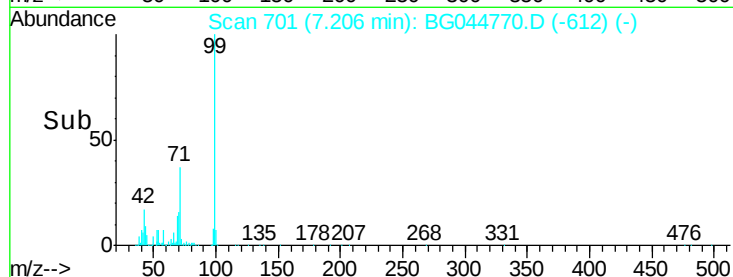
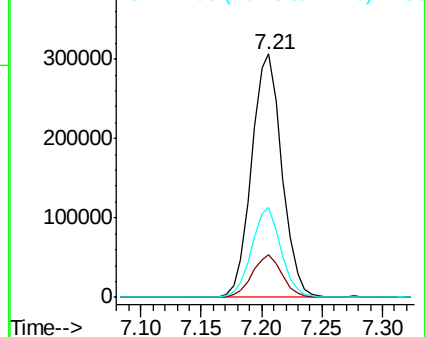
99 100

42 17.4 15.4 23.0

71 37.0 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: 4.722 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Tgt Ion: 70 Resp: 45553

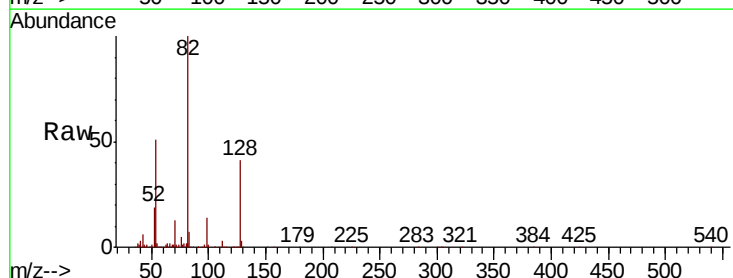
Ion Ratio Lower Upper

70 100

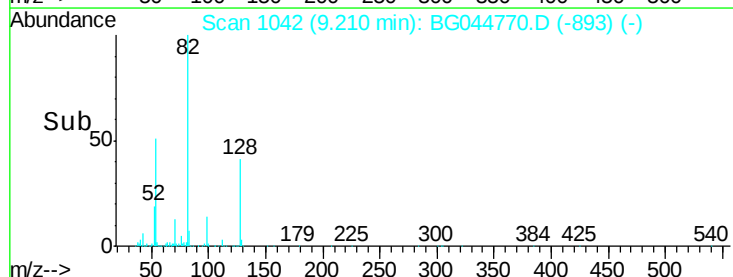
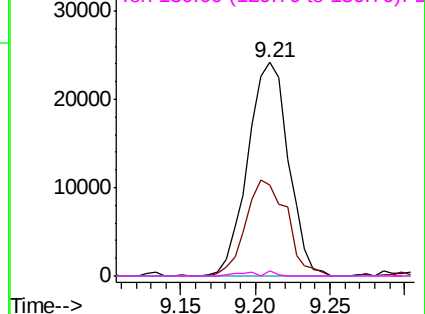
42 42.6 47.6 71.4#

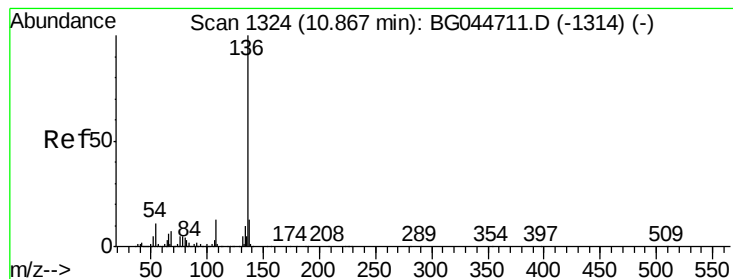
101 0.0 6.5 9.7#

130 2.5 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. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Instrument :

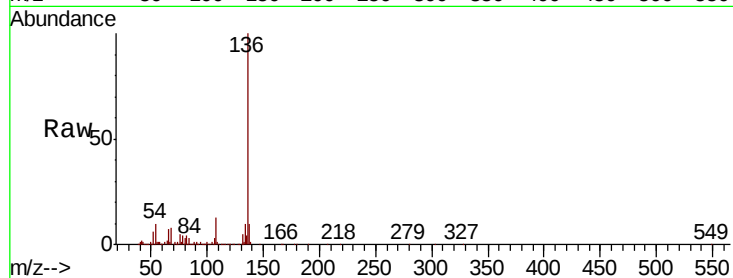
BNA_G

ClientSampleId :

OK-03-031020

Tot Ion:136 Resp: 596086

Ion	Ratio	Lower	Upper
136	100		
137	10.1	10.7	16.1#
54	9.6	9.0	13.4
68	7.7	5.9	8.9

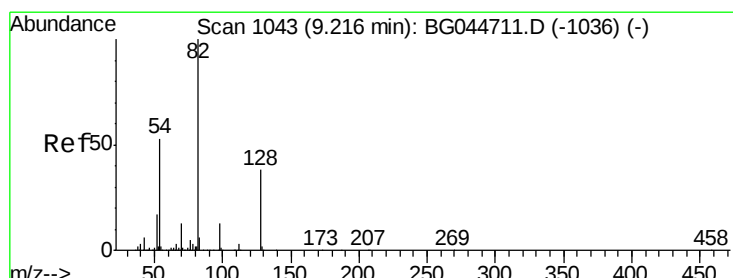
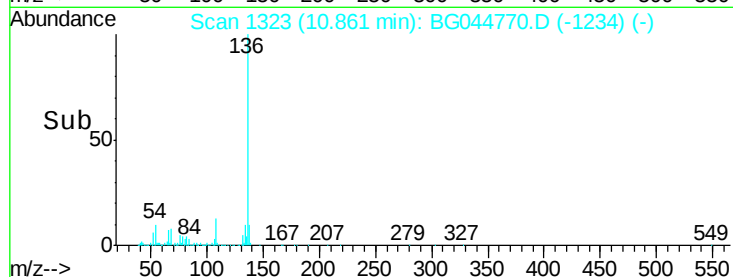


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.481 ng

RT: 9.20 min Scan# 1041

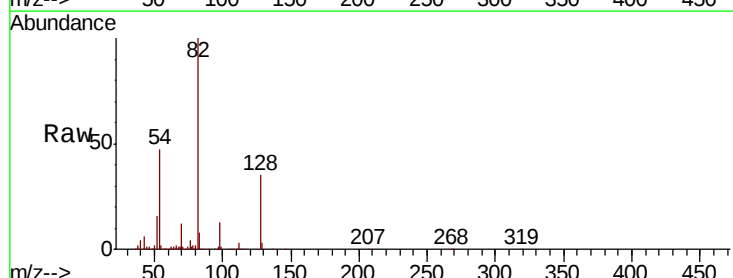
Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Tgt Ion: 82 Resp: 346136

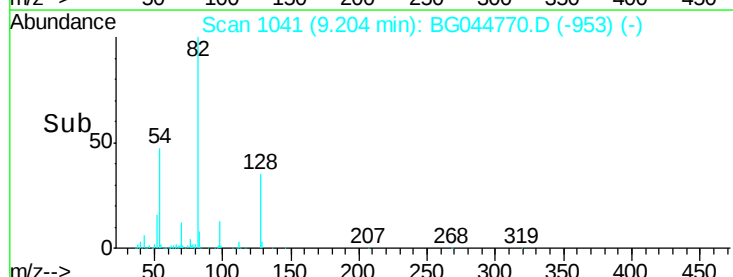
Ion	Ratio	Lower	Upper
82	100		
128	35.0	30.2	45.2
54	46.9	41.8	62.8

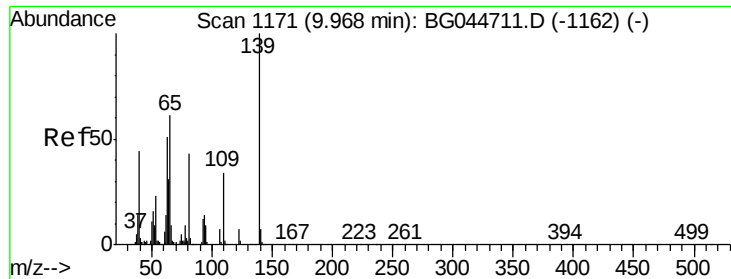


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

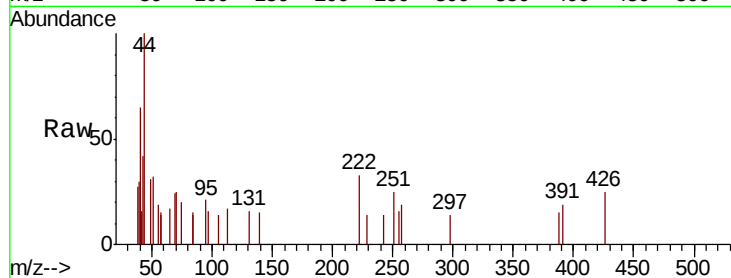




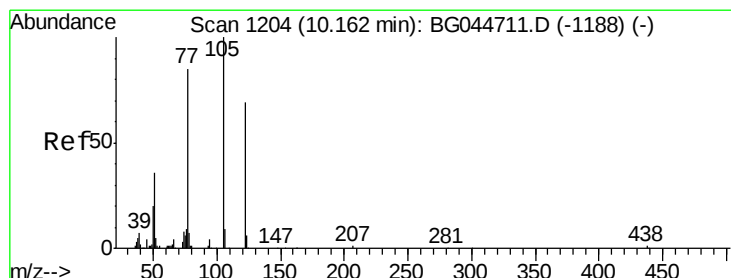
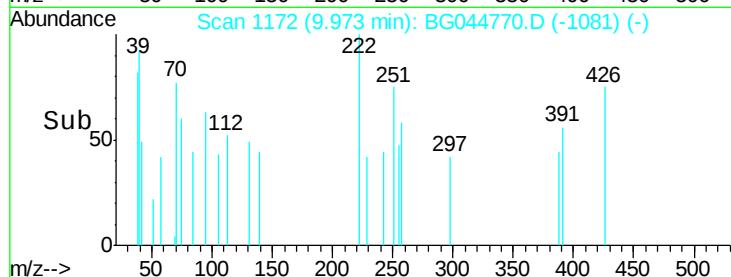
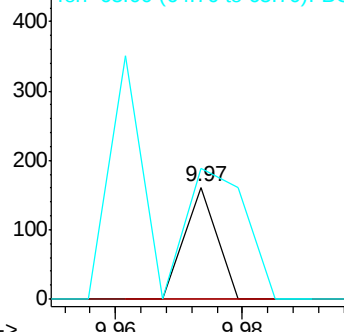
#26
2-Nitrophenol
Concen: 5.525 ng
RT: 9.97 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BG044770.D
Acq: 13 Mar 2020 16:56

Instrument :
BNA_G
ClientSampleId :
OK-03-031020

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	116.8	48.6	73.0#

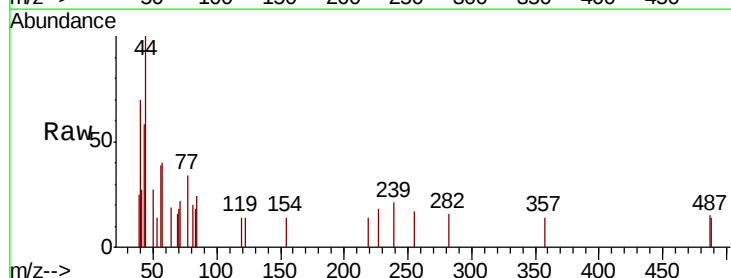


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

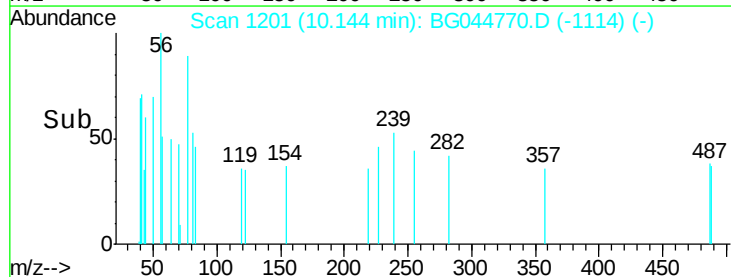
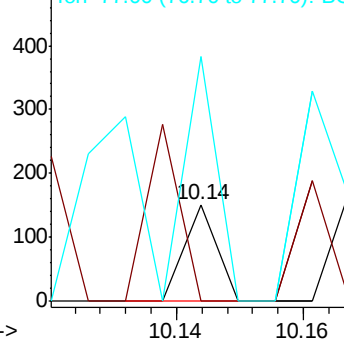


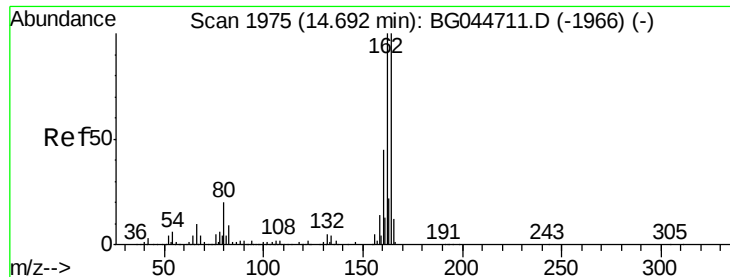
#32
Benzoic acid
Concen: 9.676 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BG044770.D
Acq: 13 Mar 2020 16:56

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	255.3	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: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Instrument :

BNA_G

ClientSampleId :

OK-03-031020

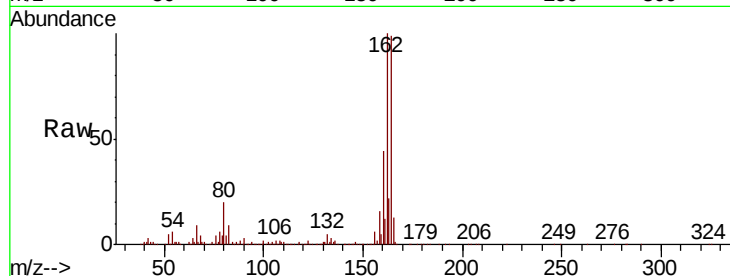
Tot Ion:164 Resp: 387556

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.4

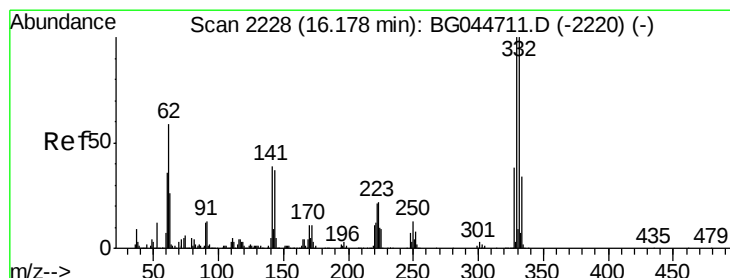
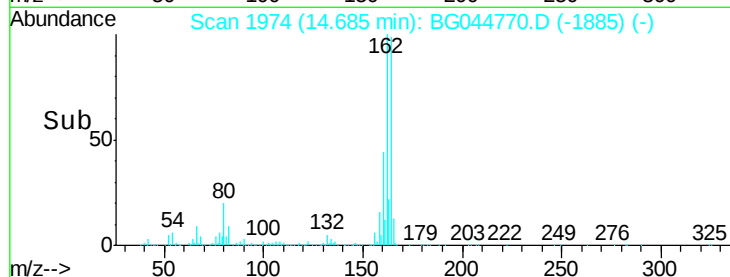
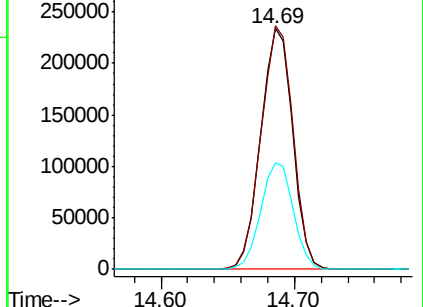
160 44.6 36.2 54.2



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: 38.709 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

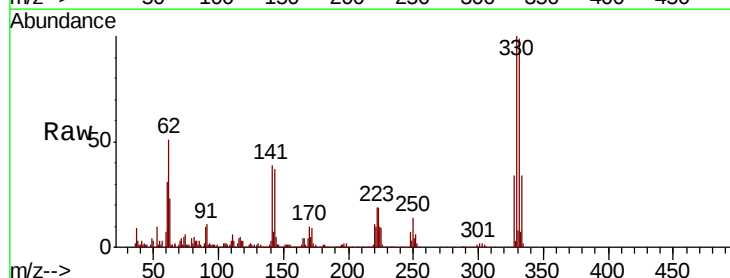
Tgt Ion:330 Resp: 196427

Ion Ratio Lower Upper

330 100

332 98.0 77.5 116.3

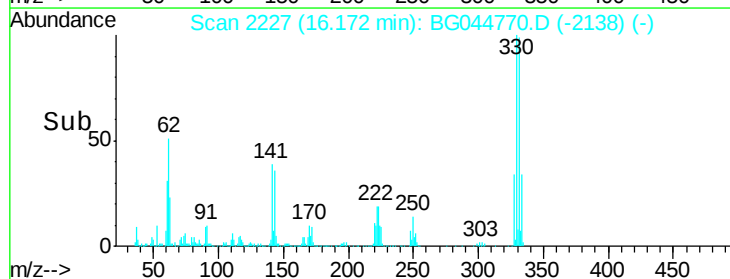
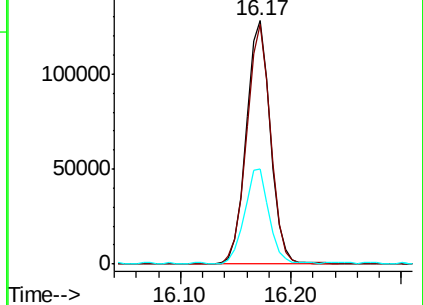
141 39.1 31.7 47.5

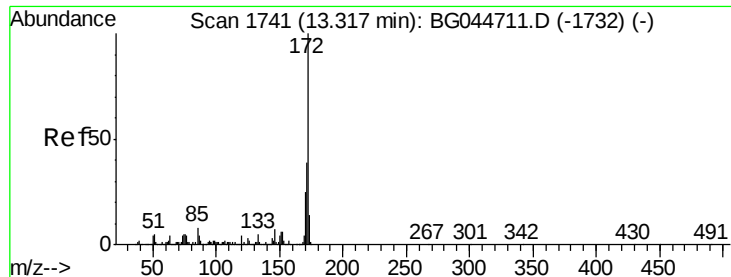


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 27.900 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Instrument :

BNA_G

ClientSampleId :

OK-03-031020

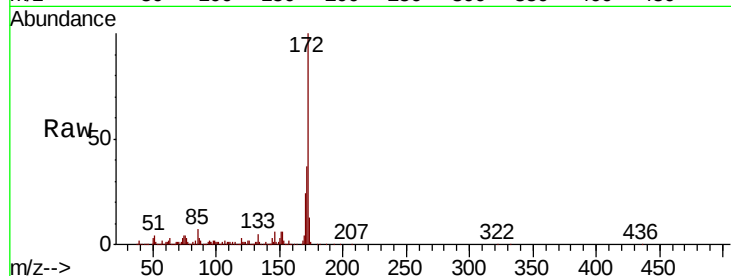
Tot Ion:172 Resp: 755060

Ion Ratio Lower Upper

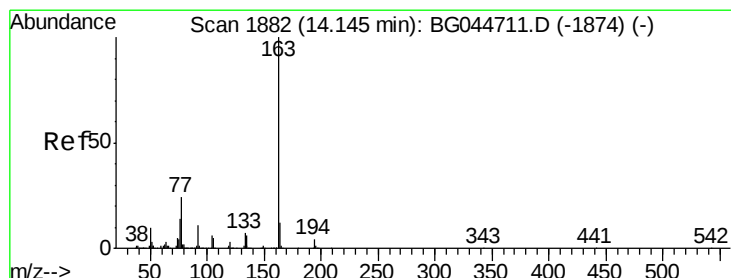
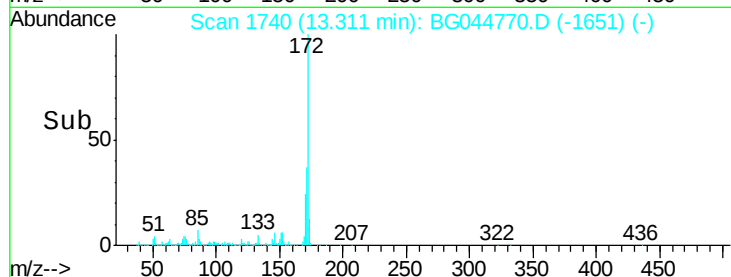
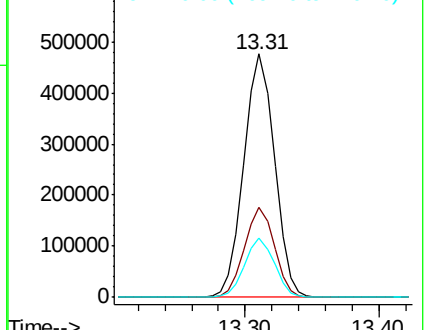
172 100

171 36.8 30.8 46.2

170 24.2 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



#50

Dimethylphthalate

Concen: 2.778 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

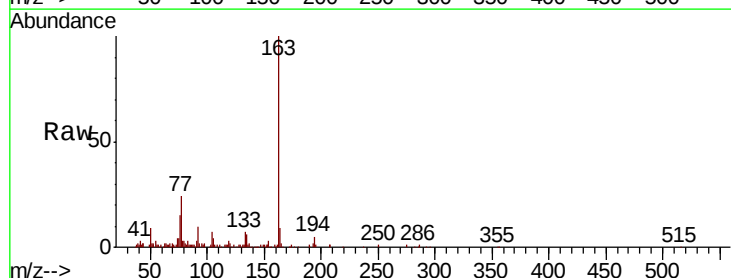
Tgt Ion:163 Resp: 85739

Ion Ratio Lower Upper

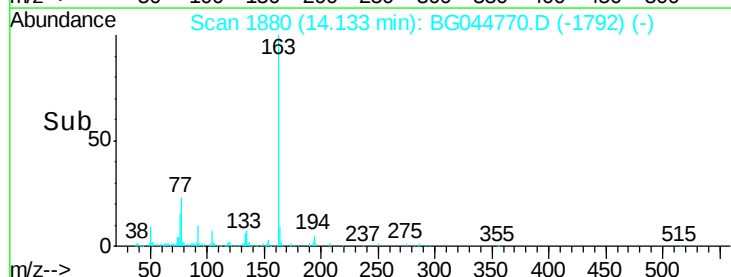
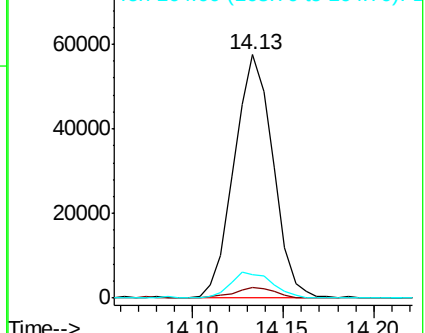
163 100

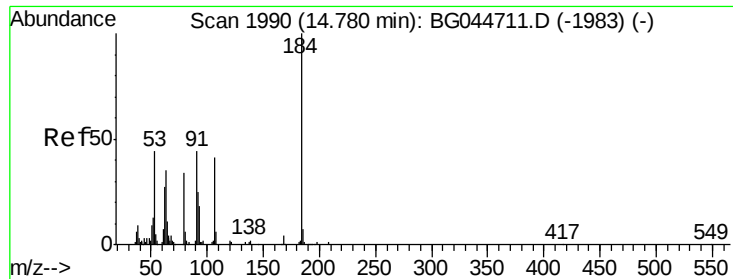
194 4.6 3.5 5.3

164 9.5 9.2 13.8



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

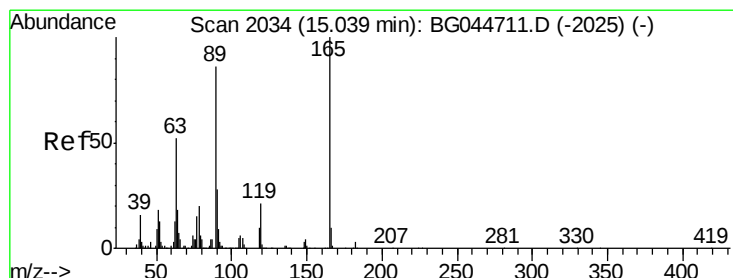
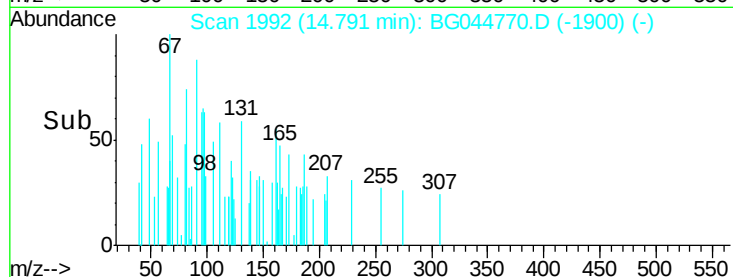
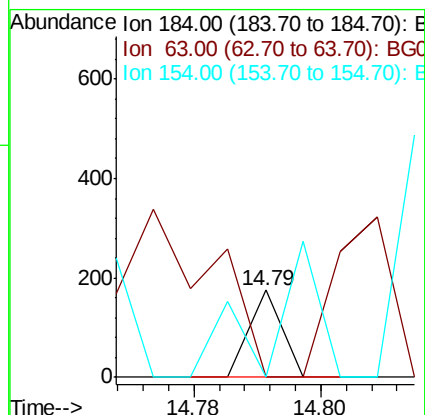
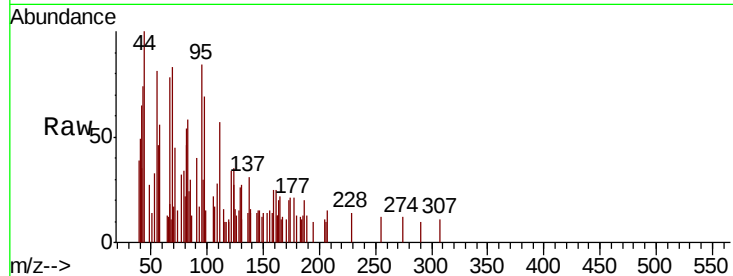




#54
2,4-Dinitrophenol
Concen: 8.340 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BG044770.D
Acq: 13 Mar 2020 16:56

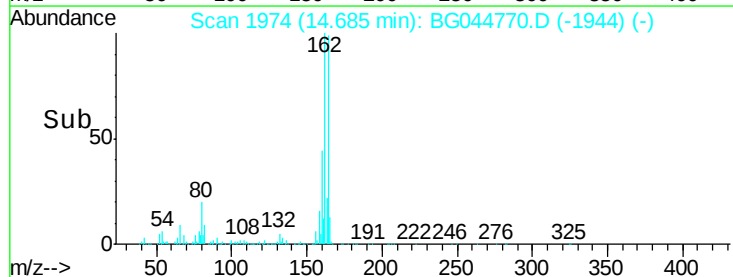
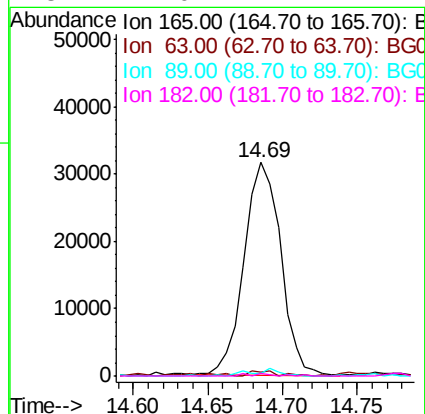
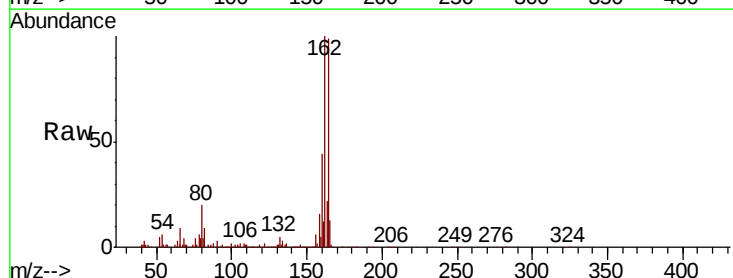
Instrument :
BNA_G
ClientSampled :
OK-03-031020

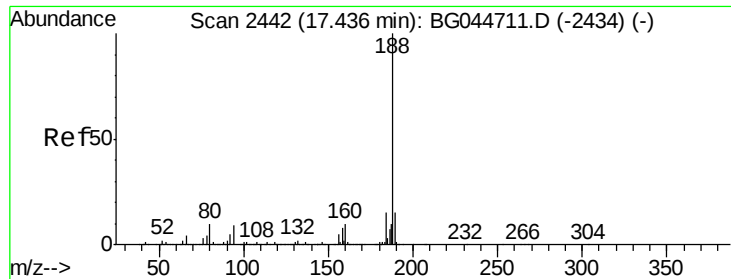
Tot Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 6.291 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044770.D
Acq: 13 Mar 2020 16:56

Tgt Ion:165 Resp: 53682
Ion Ratio Lower Upper
165 100
63 1.9 41.5 62.3#
89 1.4 69.0 103.4#
182 1.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Instrument :

BNA_G

ClientSampleId :

OK-03-031020

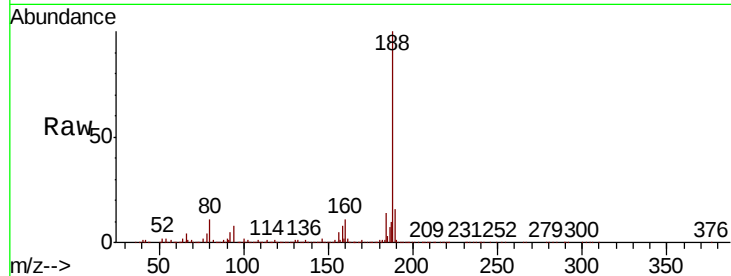
Tot Ion:188 Resp: 775035

Ion Ratio Lower Upper

188 100

94 8.0 7.0 10.6

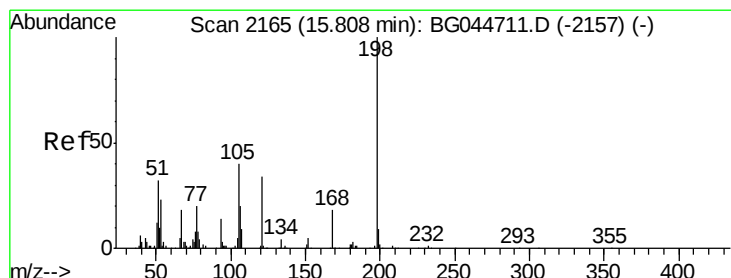
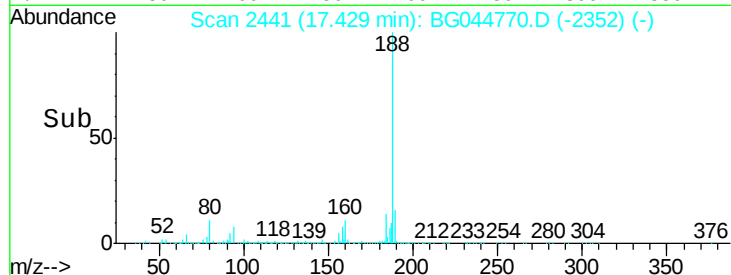
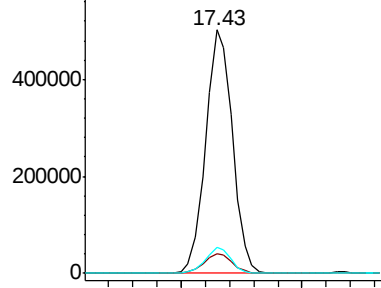
80 10.6 8.4 12.6



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: 15.78 min Scan# 2160

Delta R.T. -0.03 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

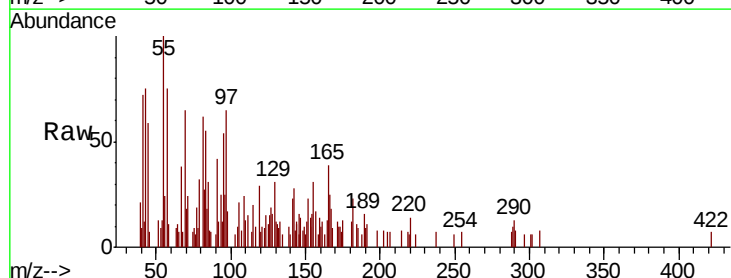
Tgt Ion:198 Resp: 81

Ion Ratio Lower Upper

198 100

51 155.5 20.1 60.1#

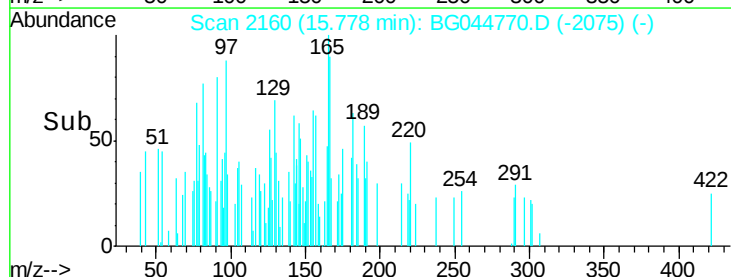
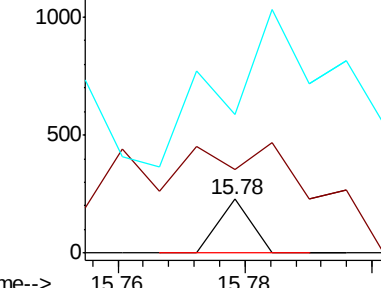
105 255.9 21.3 61.3#

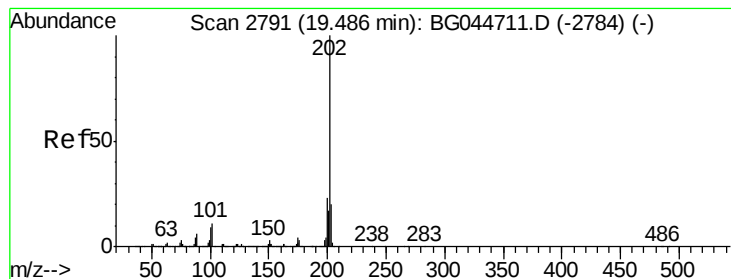


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Fluoranthene

Concen: 3.085 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

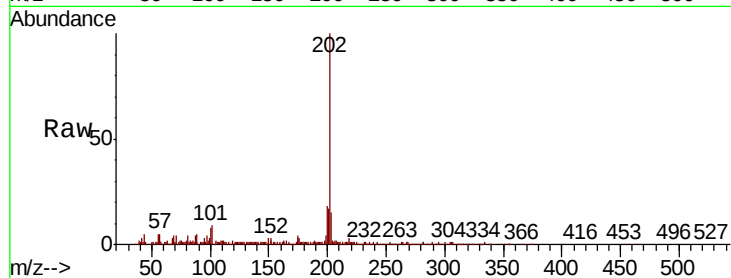
Instrument :

BNA_G

ClientSampleId :

OK-03-031020

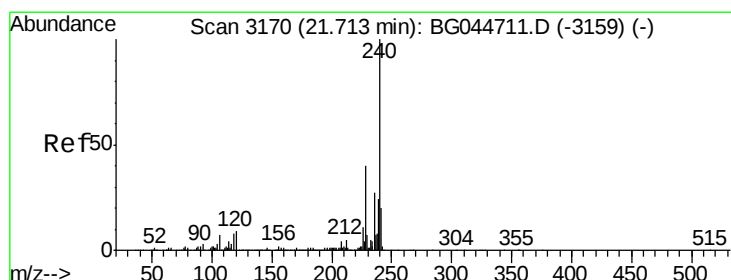
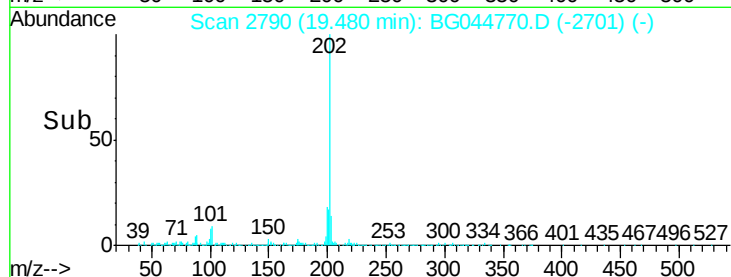
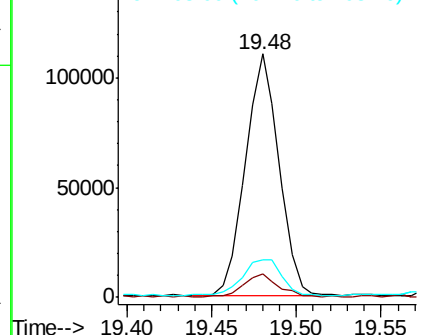
Tot Ion:	202	Resp:	152153
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.3
203	15.3	0.4	40.4



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

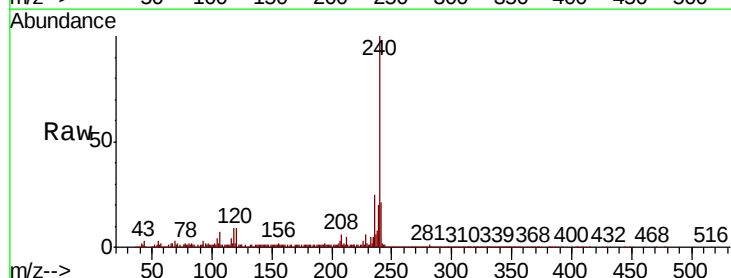
RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

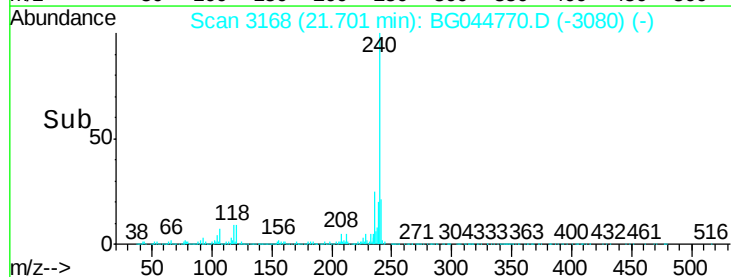
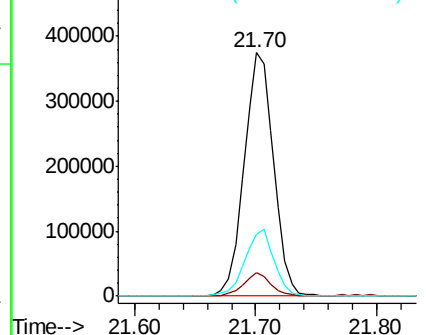
Tgt Ion:	240	Resp:	630240
Ion	Ratio	Lower	Upper
240	100		
120	9.5	6.9	10.3
236	25.5	21.9	32.9

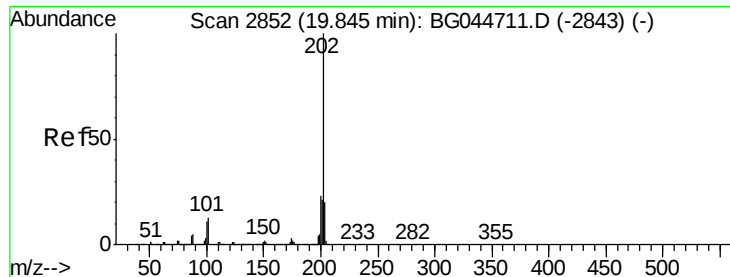


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.604 ng

RT: 19.84 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Instrument :

BNA_G

ClientSampleId :

OK-03-031020

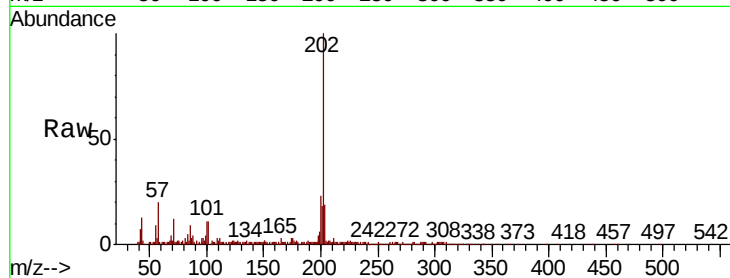
Tot Ion:202 Resp: 166647

Ion Ratio Lower Upper

202 100

200 22.9 18.7 28.1

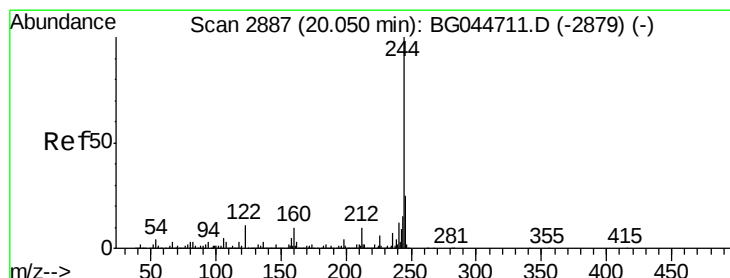
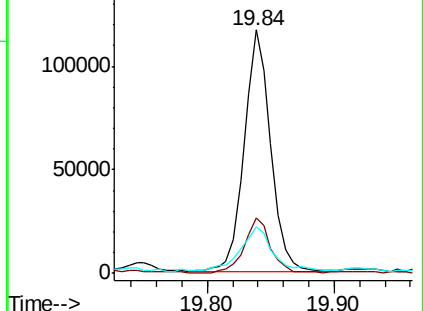
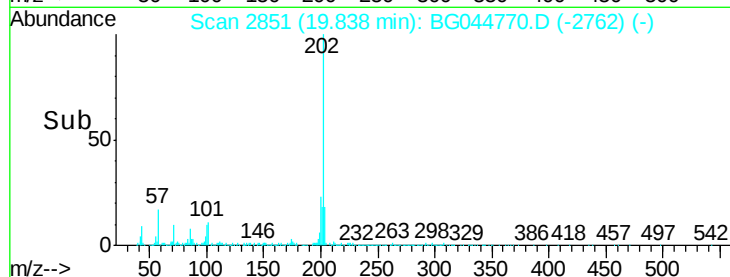
203 19.3 16.0 24.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 30.085 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

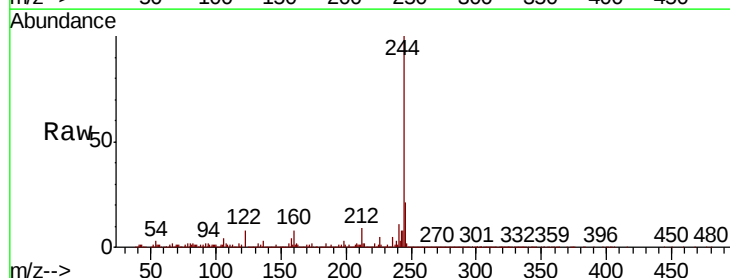
Tgt Ion:244 Resp: 1013644

Ion Ratio Lower Upper

244 100

212 8.5 8.4 12.6

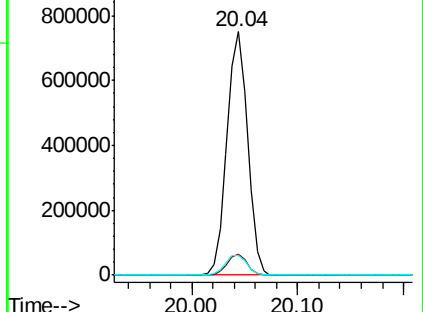
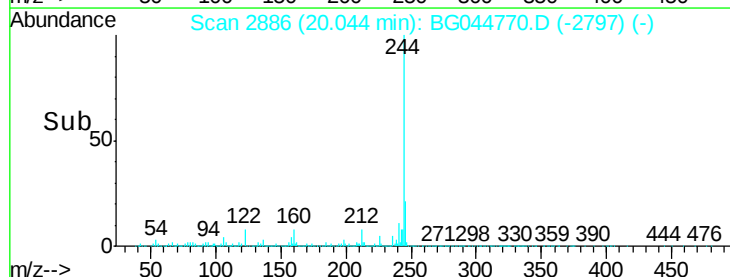
122 8.1 8.7 13.1#

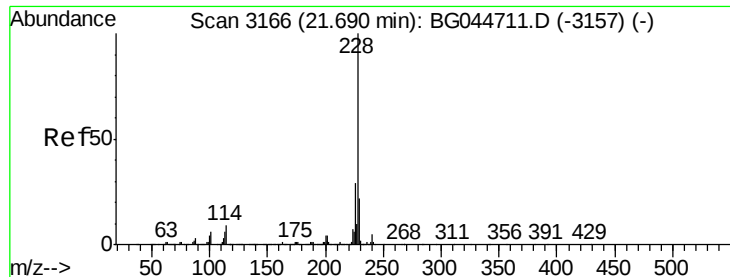


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.074 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Instrument :

BNA_G

ClientSampleId :

OK-03-031020

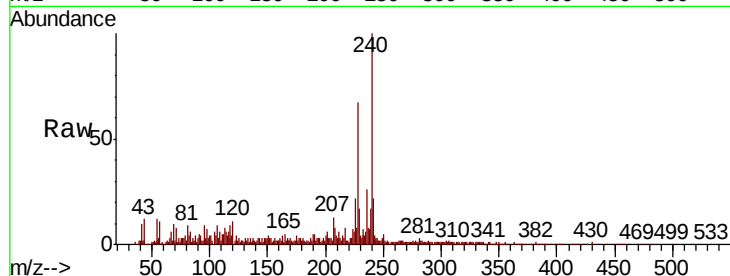
Tot Ion:228 Resp: 94125

Ion Ratio Lower Upper

228 100

226 33.3 23.5 35.3

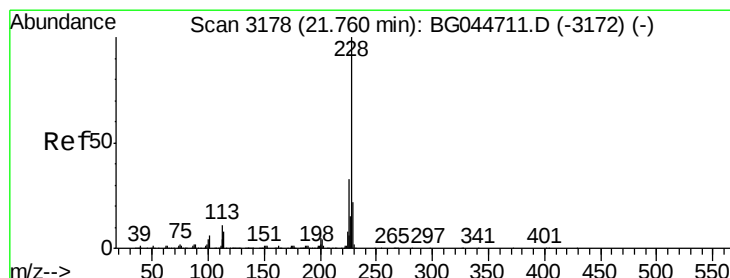
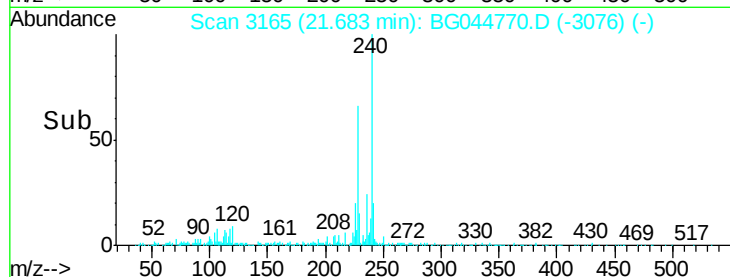
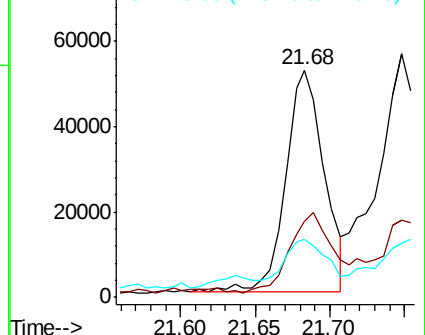
229 25.7 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.449 ng

RT: 21.75 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

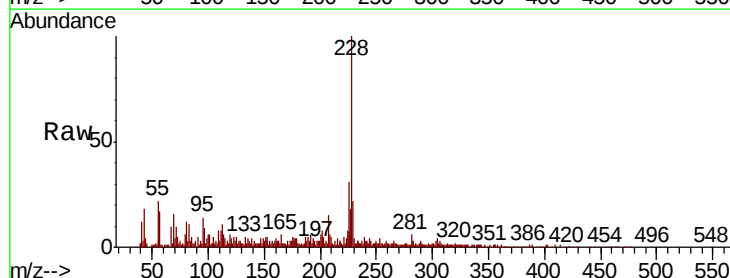
Tgt Ion:228 Resp: 106154

Ion Ratio Lower Upper

228 100

226 31.5 26.1 39.1

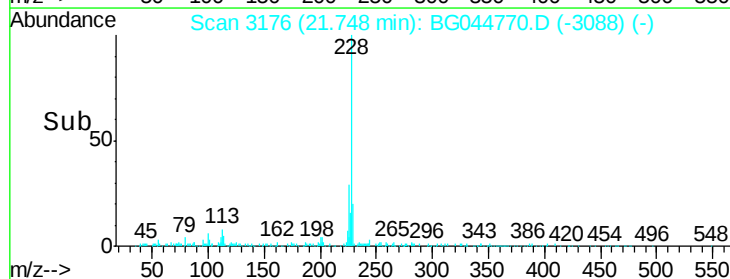
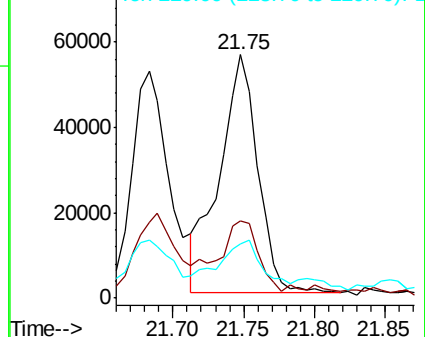
229 22.3 17.4 26.0

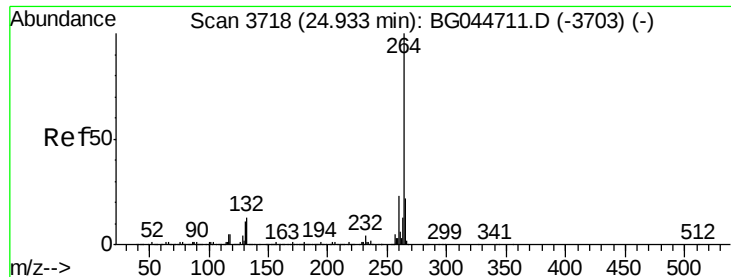


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Instrument :

BNA_G

ClientSampleId :

OK-03-031020

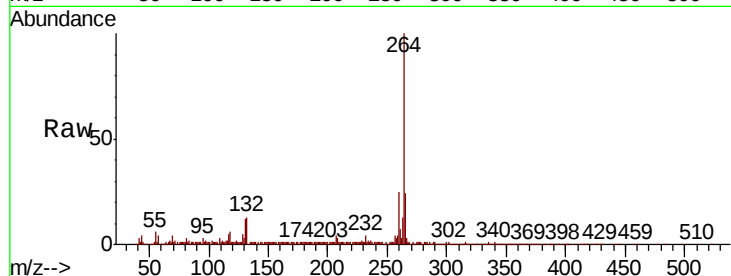
Tot Ion:264 Resp: 710865

Ion Ratio Lower Upper

264 100

260 24.9 18.4 27.6

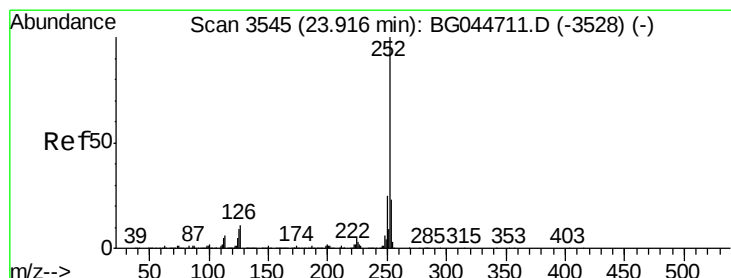
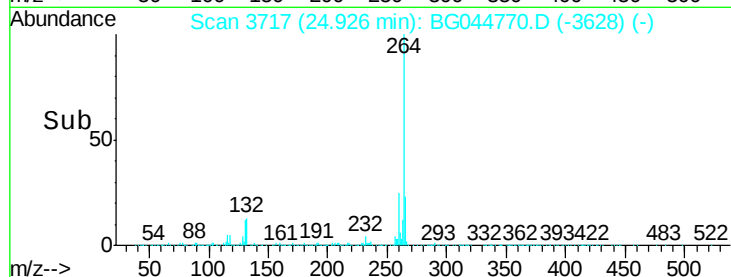
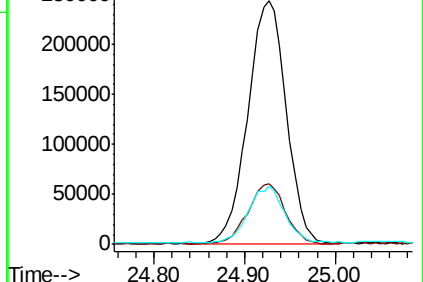
265 23.6 17.4 26.2



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: 3.091 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.01 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

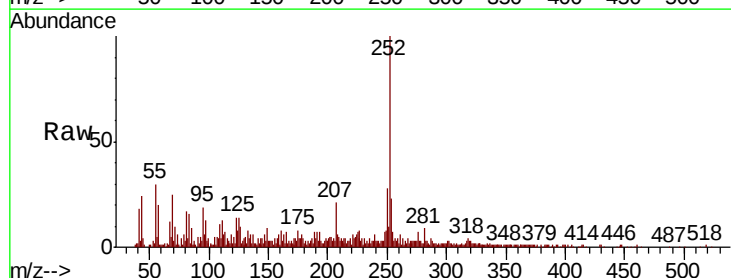
Tgt Ion:252 Resp: 145071

Ion Ratio Lower Upper

252 100

253 22.8 18.7 28.1

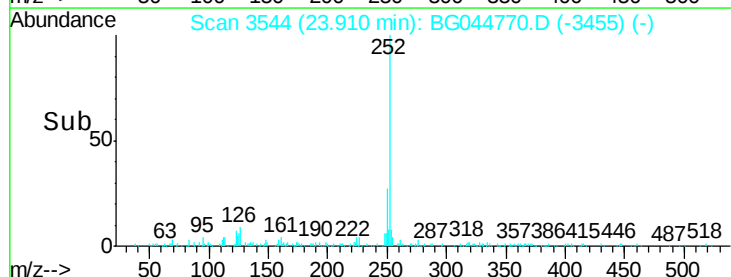
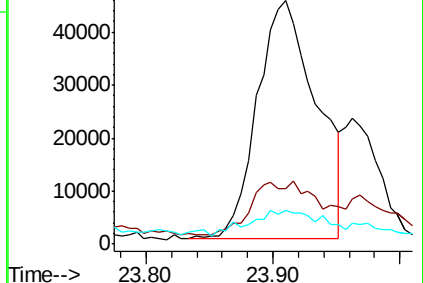
125 13.8 7.2 10.8#

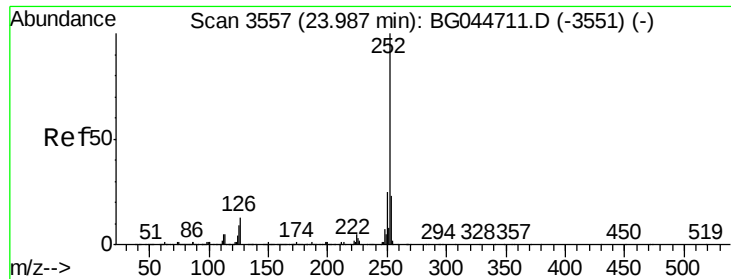


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.267 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.08 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

Instrument :

BNA_G

ClientSampleId :

OK-03-031020

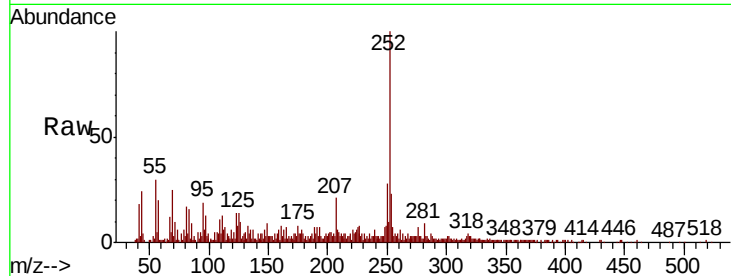
Tot Ion:252 Resp: 145071

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

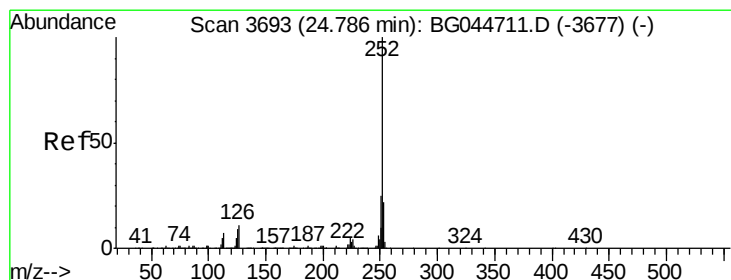
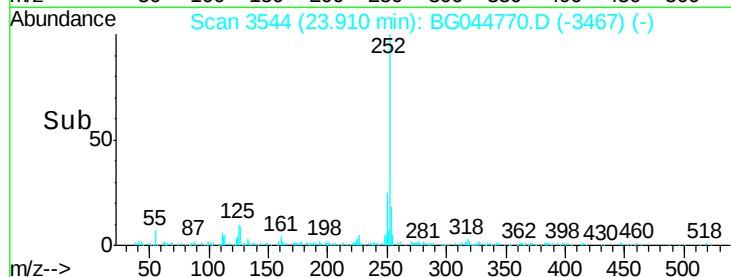
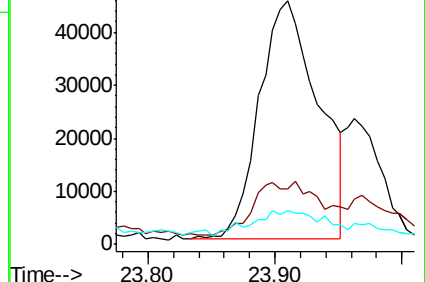
125 13.8 7.0 10.4#



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: 2.529 ng

RT: 24.77 min Scan# 3690

Delta R.T. -0.02 min

Lab File: BG044770.D

Acq: 13 Mar 2020 16:56

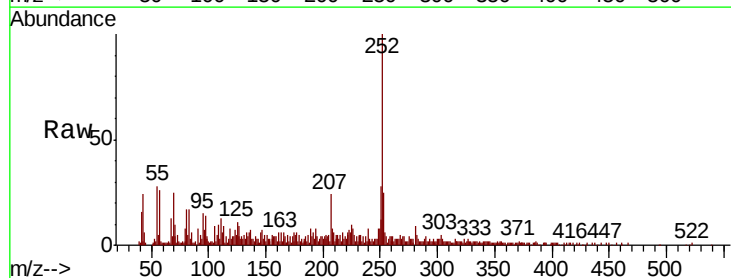
Tgt Ion:252 Resp: 111058

Ion Ratio Lower Upper

252 100

253 24.7 17.7 26.5

125 11.3 7.0 10.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

