

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030320\
 Data File : BG044678.D
 Acq On : 4 Mar 2020 1:29
 Operator : CG/JU
 Sample : L1770-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 04 03:48:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	91598	20.00	ng	-0.07
21) Naphthalene-d8	10.61	136	381500	20.00	ng	-0.07
39) Acenaphthene-d10	14.46	164	237613	20.00	ng	-0.06
64) Phenanthrene-d10	17.21	188	480342	20.00	ng	-0.05
76) Chrysene-d12	21.44	240	424303	20.00	ng	-0.07
87) Perylene-d12	24.47	264	489660	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	223056	39.07	ng	-0.07
7) Phenol-d6	6.98	99	300020	38.39	ng	-0.07
23) Nitrobenzene-d5	8.96	82	178953	24.17	ng	-0.07
42) 2,4,6-Tribromophenol	15.95	330	112319	33.34	ng	-0.06
45) 2-Fluorobiphenyl	13.08	172	408767	24.63	ng	-0.06
79) Terphenyl-d14	19.83	244	567621	25.32	ng	-0.05

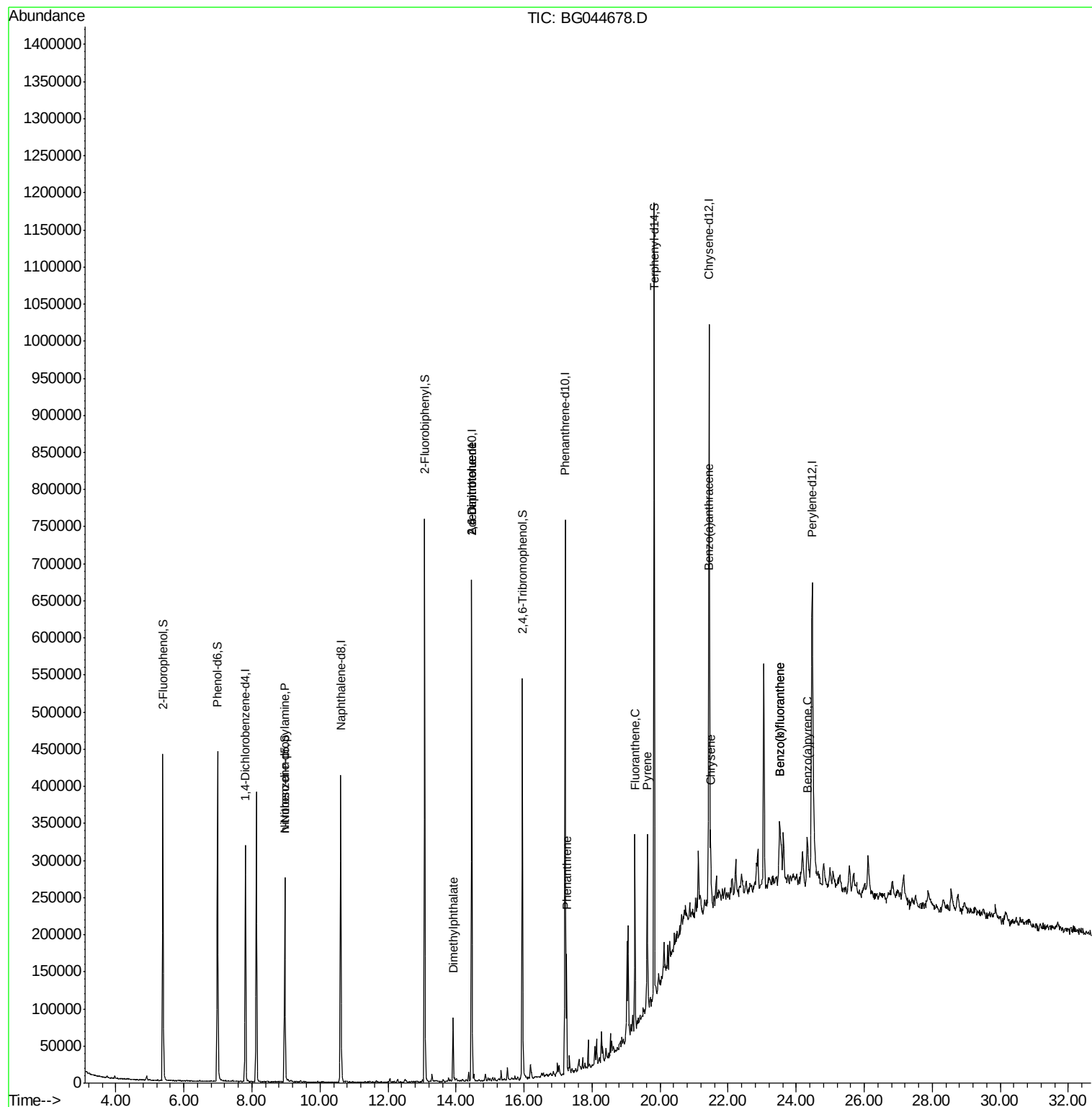
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.96	70	22379	4.455	ng	# 75
50) Dimethylphthalate	13.91	163	63888	3.331	ng	97
51) 2,6-Dinitrotoluene	14.46	165	31143	7.363	ng	# 31
57) 2,4-Dinitrotoluene	14.46	165	31143	5.237	ng	# 30
71) Phenanthrene	17.25	178	98502	3.704	ng	97
75) Fluoranthene	19.26	202	165172	5.247	ng	98
78) Pyrene	19.62	202	147609	4.792	ng	98
81) Benzo(a)anthracene	21.42	228	77354	2.594	ng	98
83) Chrysene	21.48	228	71327	2.474	ng	94
88) Benzo(b)fluoranthene	23.51	252	96897	3.010	ng	# 89
89) Benzo(k)fluoranthene	23.51	252	96897	3.102	ng	# 90
90) Benzo(a)pyrene	24.32	252	74366	2.459	ng	# 93

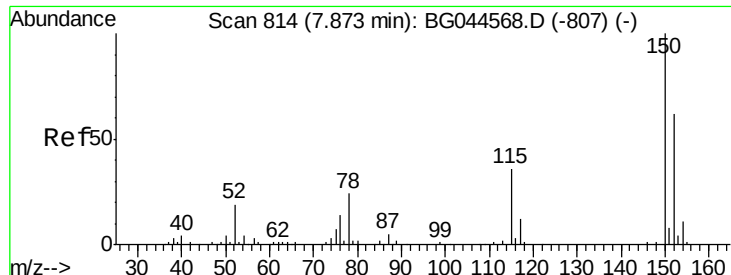
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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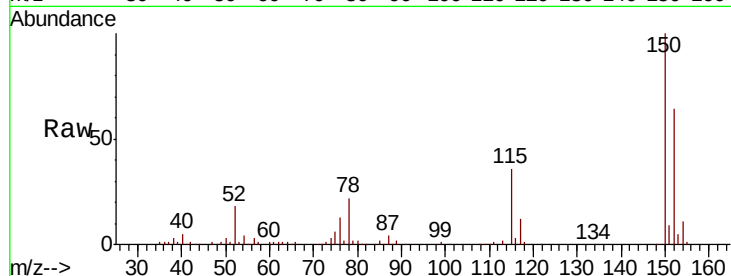


#1

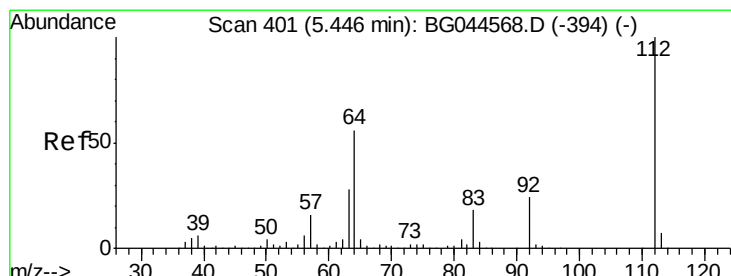
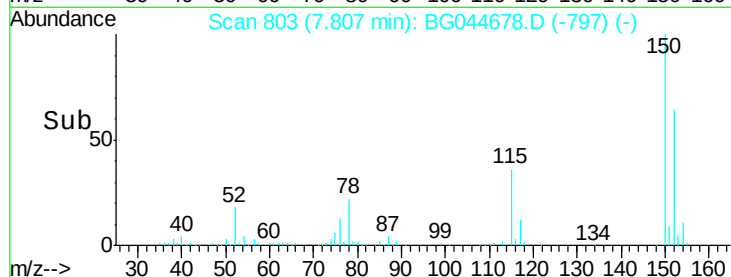
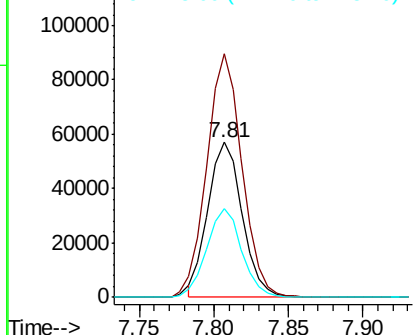
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.81 min Scan# 803
Delta R.T. -0.07 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 91598
Ion Ratio Lower Upper
152 100
150 157.0 128.9 193.3
115 57.0 47.0 70.4



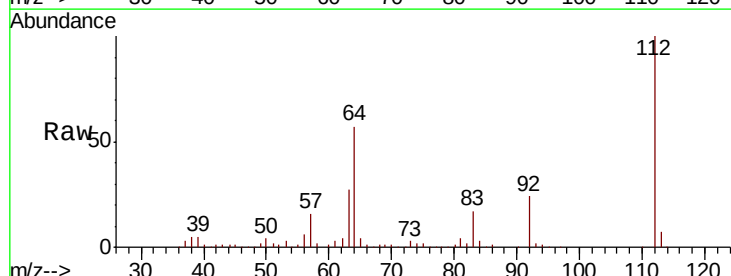
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



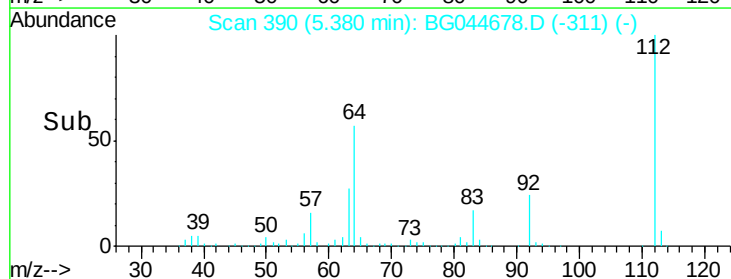
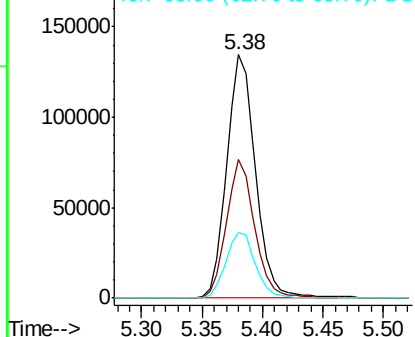
#5

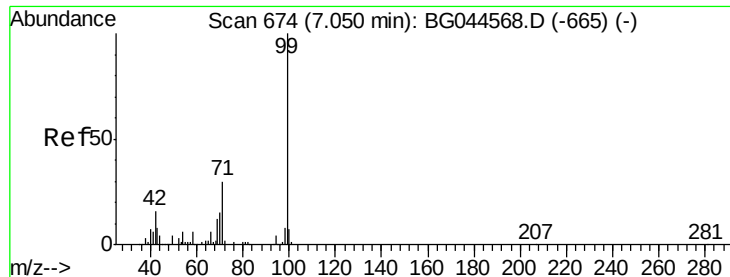
2-Fluorophenol
Concen: 39.071 ng
RT: 5.38 min Scan# 390
Delta R.T. -0.07 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

Tgt Ion:112 Resp: 223056
Ion Ratio Lower Upper
112 100
64 57.2 44.8 67.2
63 26.9 22.3 33.5



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: 38.393 ng

RT: 6.98 min Scan# 663

Delta R.T. -0.07 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

Instrument :

BNA_G

ClientSampleId :

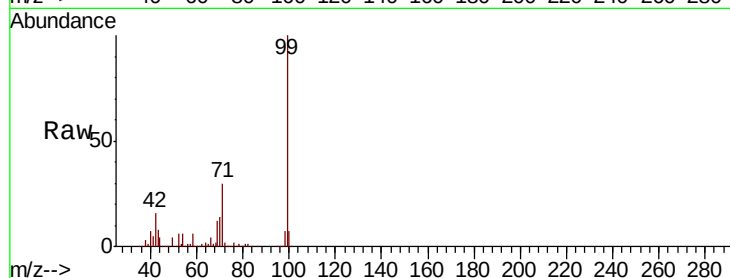
Tot Ion: 99 Resp: 300020

Ion Ratio Lower Upper

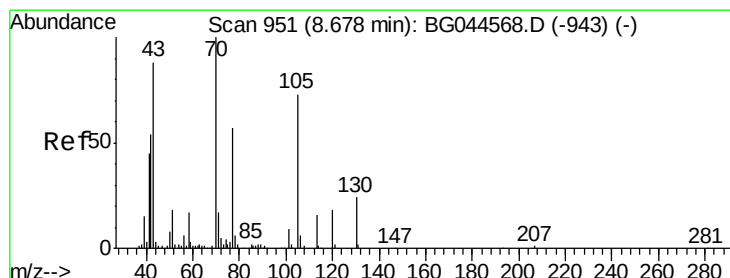
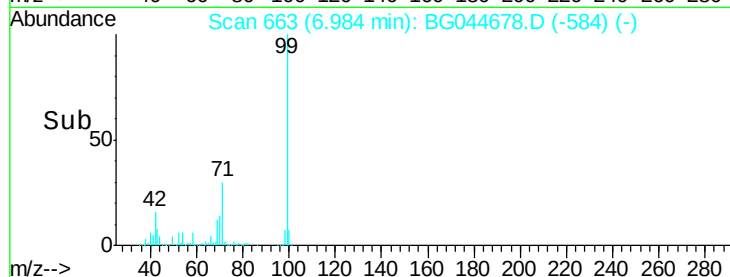
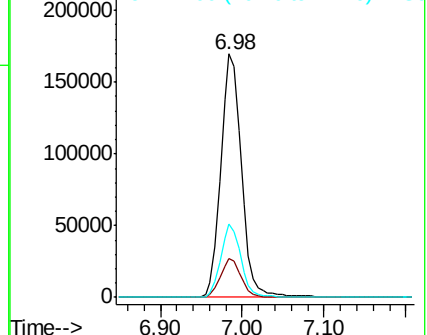
99 100

42 16.2 12.8 19.2

71 30.2 24.4 36.6



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: 4.455 ng

RT: 8.96 min Scan# 1000

Delta R.T. 0.29 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

Tgt Ion: 70 Resp: 22379

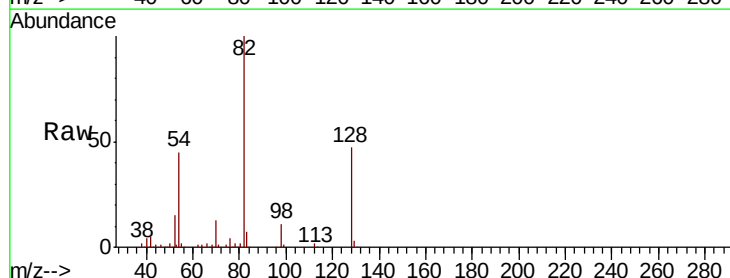
Ion Ratio Lower Upper

70 100

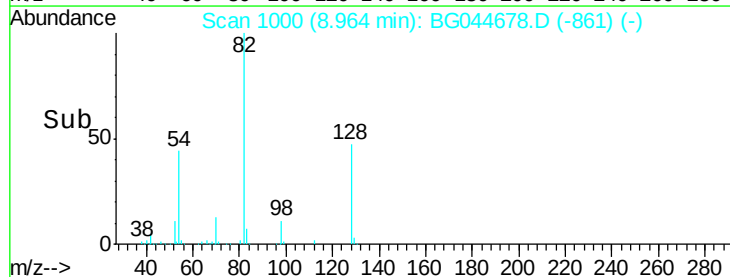
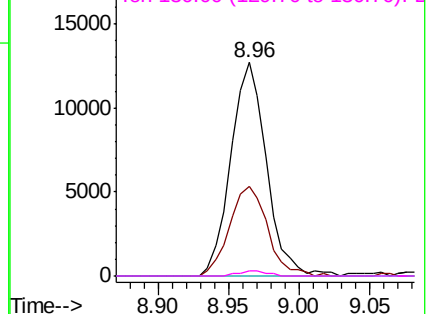
42 42.1 43.4 65.0#

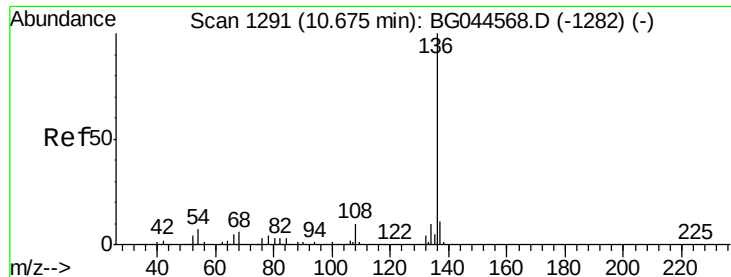
101 0.0 7.5 11.3#

130 2.5 18.9 28.3#



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: 10.61 min Scan# 1280

Delta R.T. -0.07 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 381500

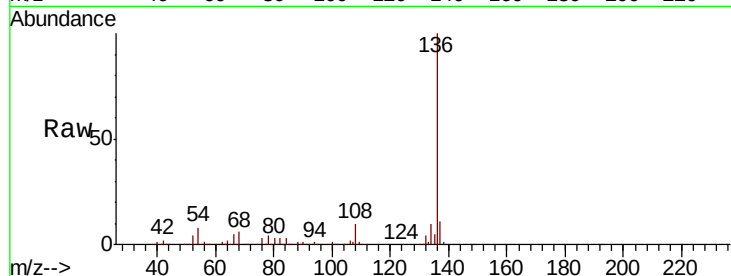
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.6 5.7 8.5

68 5.9 4.5 6.7

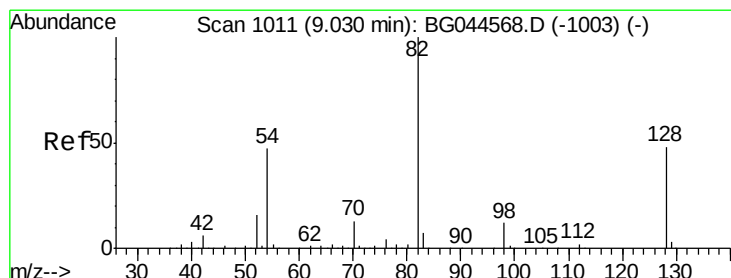
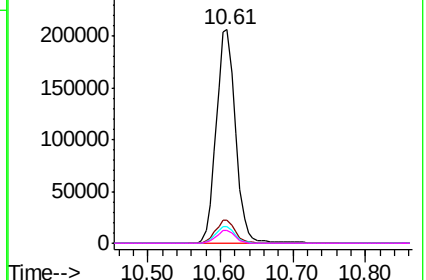
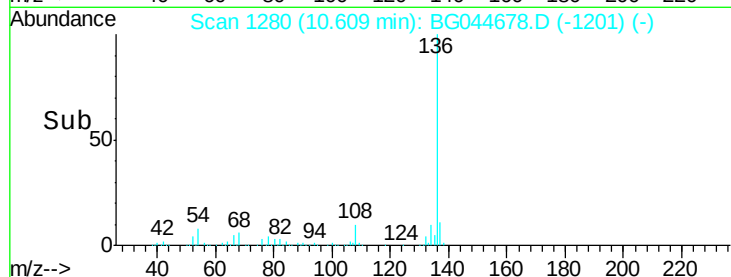


Abundance Ion 136.00 (135.70 to 136.70): E

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: 24.166 ng

RT: 8.96 min Scan# 1000

Delta R.T. -0.07 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

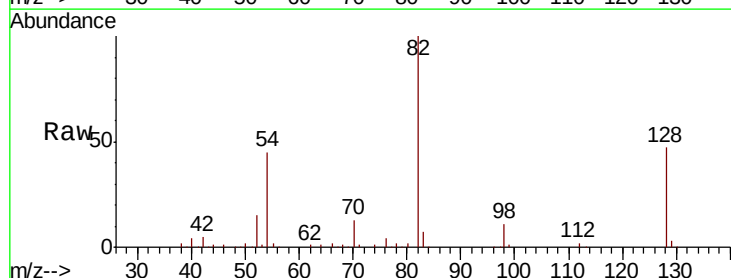
Tgt Ion: 82 Resp: 178953

Ion Ratio Lower Upper

82 100

128 46.7 38.1 57.1

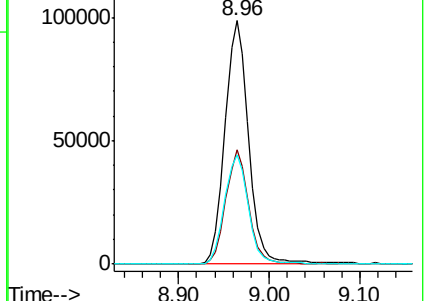
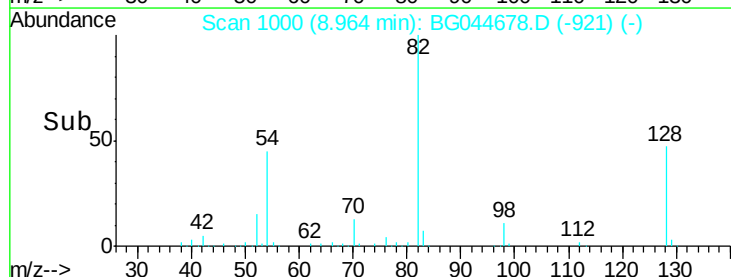
54 44.8 37.5 56.3

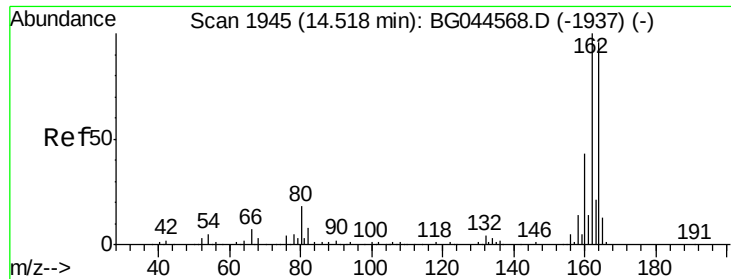


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1935

Delta R.T. -0.06 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

Instrument :

BNA_G

ClientSampleId :

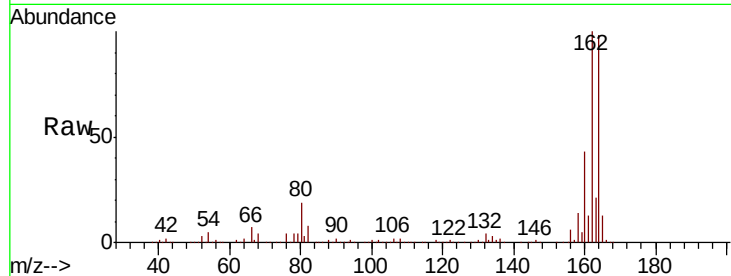
Tot Ion:164 Resp: 237613

Ion Ratio Lower Upper

164 100

162 102.2 83.6 125.4

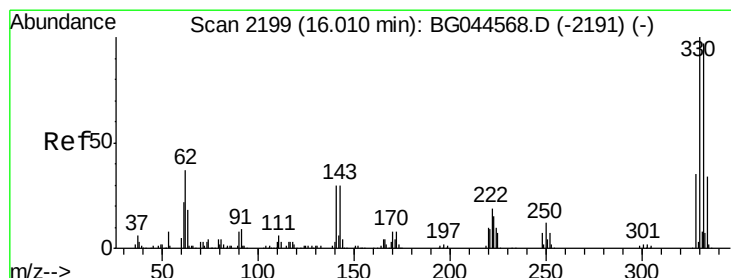
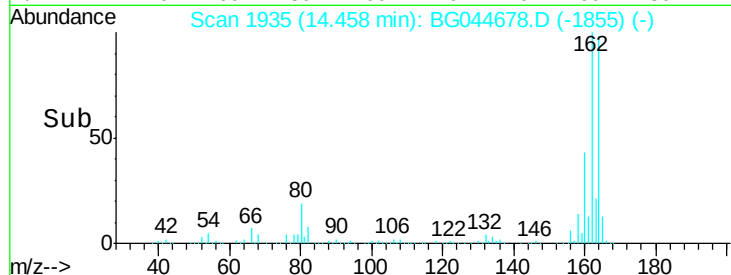
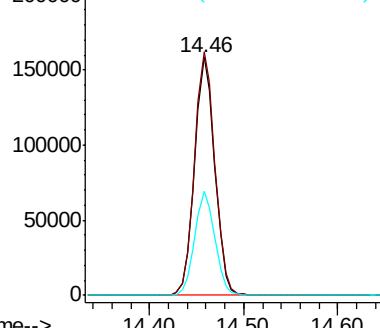
160 43.5 36.2 54.4



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: 33.337 ng

RT: 15.95 min Scan# 2189

Delta R.T. -0.06 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

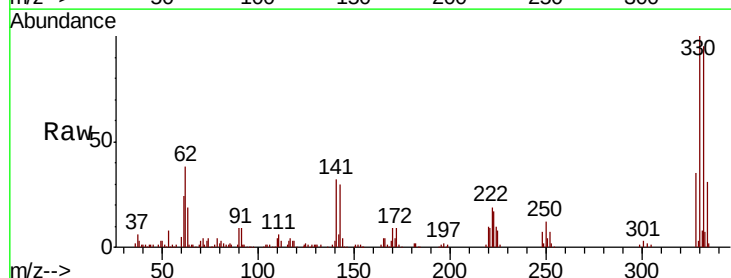
Tgt Ion:330 Resp: 112319

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.0

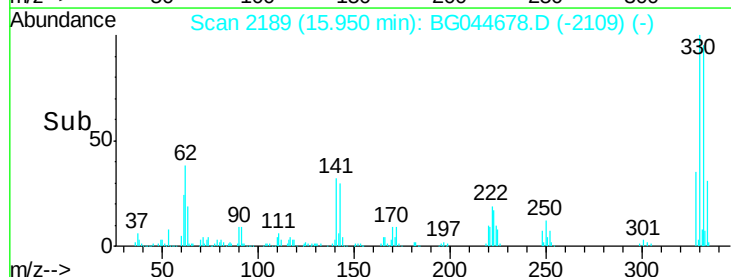
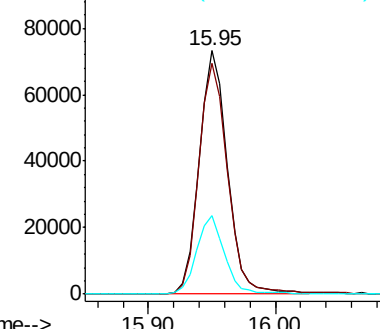
141 32.1 26.1 39.1

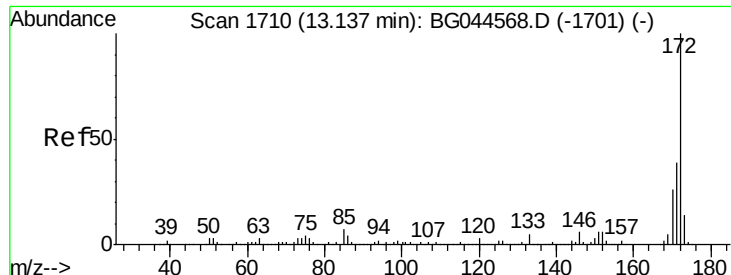


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

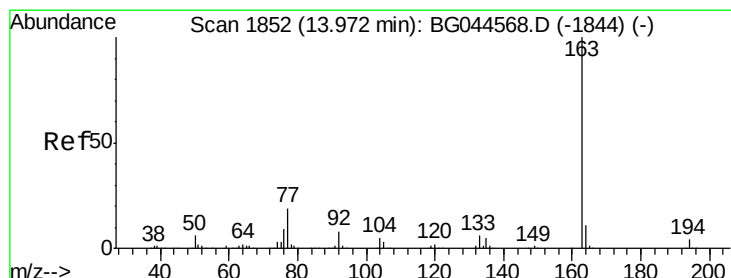
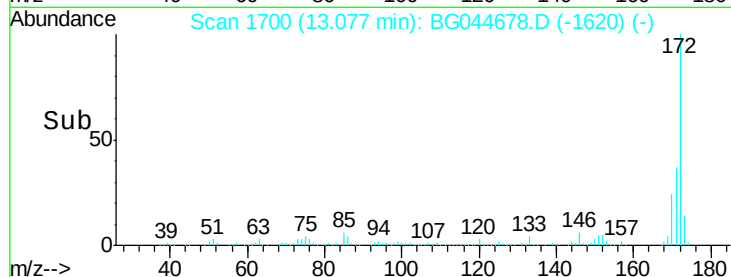
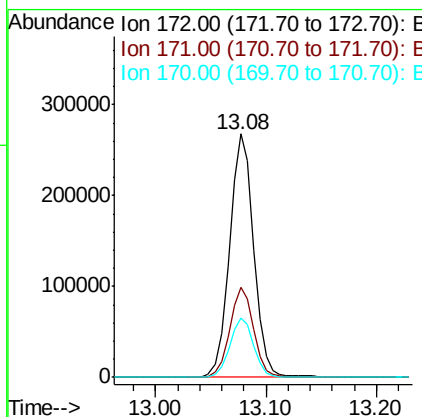
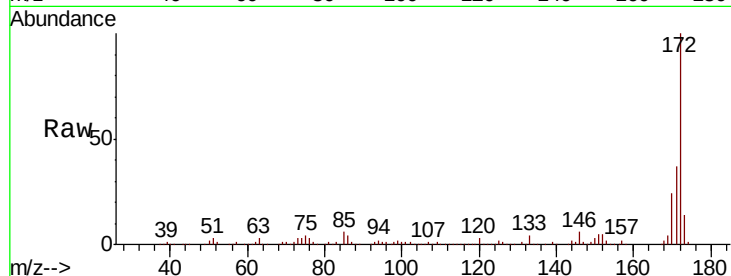




#45
2-Fluorobiphenyl
Concen: 24.635 ng
RT: 13.08 min Scan# 1700
Delta R.T. -0.06 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

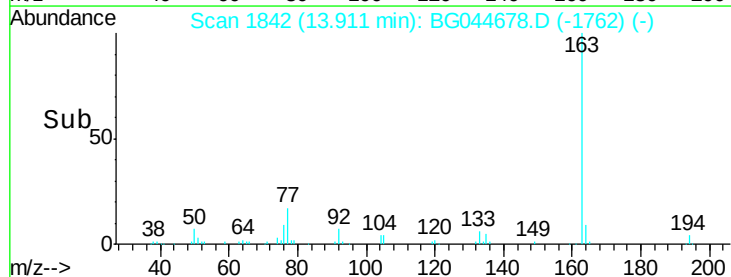
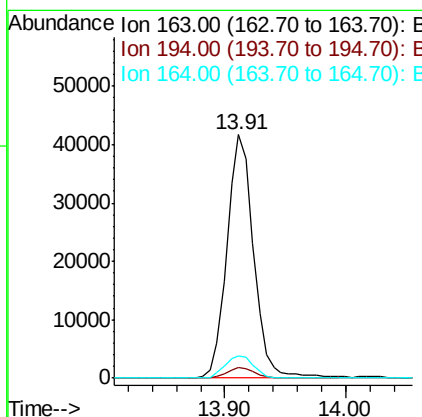
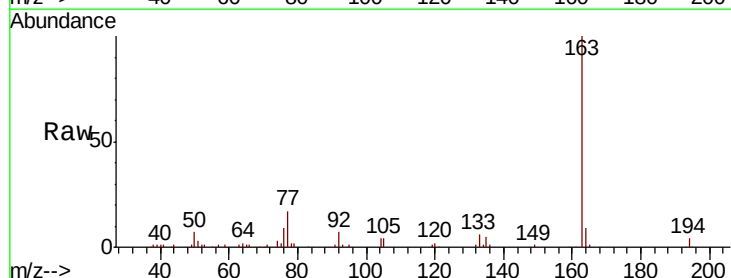
Instrument :
BNA_G
ClientSampleId :

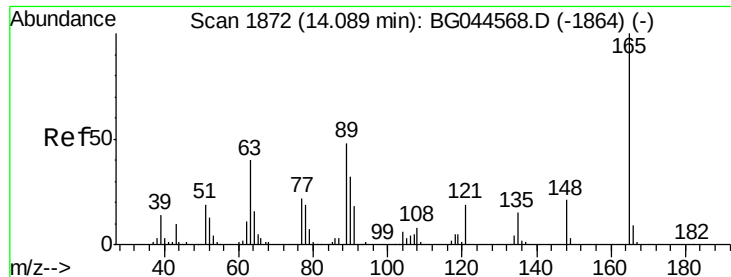
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.3	46.9
170	24.5	21.0	31.4



#50
Dimethylphthalate
Concen: 3.331 ng
RT: 13.91 min Scan# 1842
Delta R.T. -0.06 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	9.2	8.7	13.1

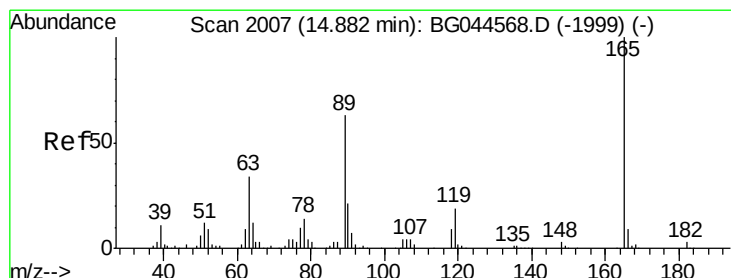
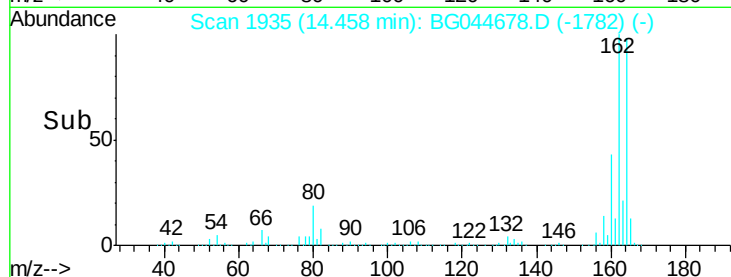
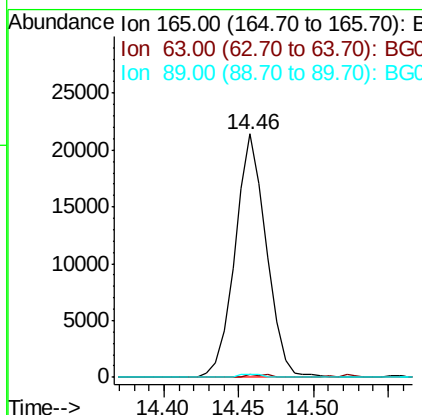
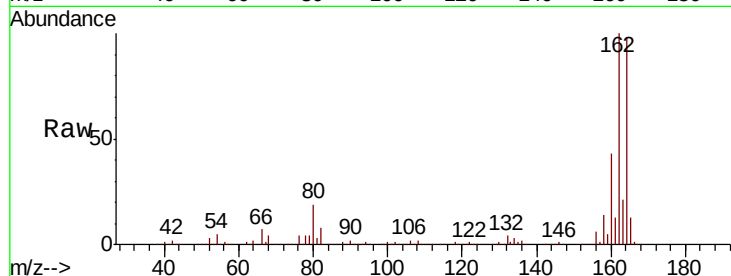




#51
 2,6-Dinitrotoluene
 Concen: 7.363 ng
 RT: 14.46 min Scan# 1935
 Delta R.T. 0.37 min
 Lab File: BG044678.D
 Acq: 4 Mar 2020 1:29

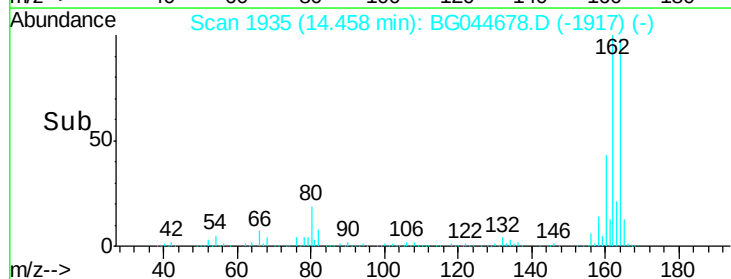
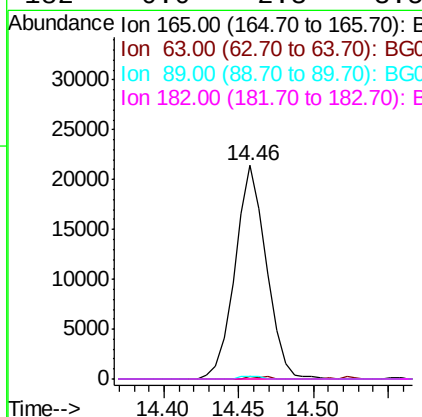
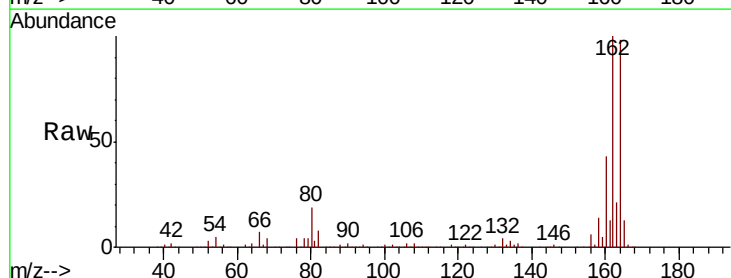
Instrument :
 BNA_G
 ClientSampleId :

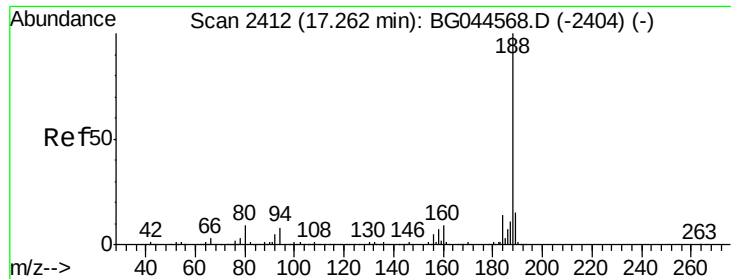
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	35.8	53.6#
89	1.0	38.7	58.1#



#57
 2,4-Dinitrotoluene
 Concen: 5.237 ng
 RT: 14.46 min Scan# 1935
 Delta R.T. -0.42 min
 Lab File: BG044678.D
 Acq: 4 Mar 2020 1:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	27.5	41.3#
89	1.0	50.0	75.0#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.21 min Scan# 2403

Delta R.T. -0.05 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

Instrument :

BNA_G

ClientSampleId :

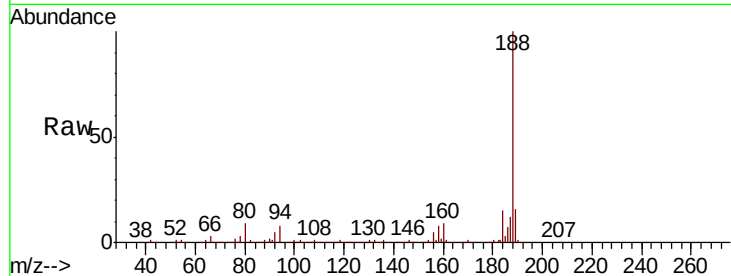
Tot Ion:188 Resp: 480342

Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

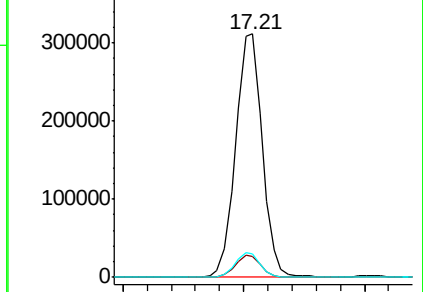
80 9.4 7.6 11.4



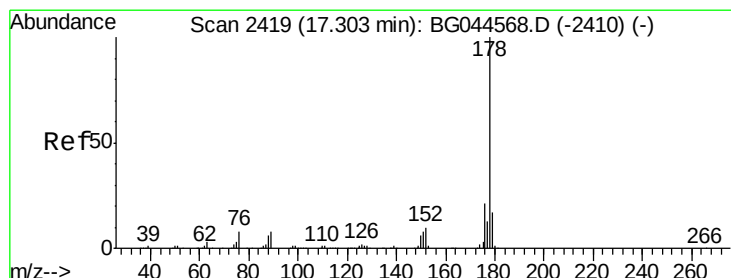
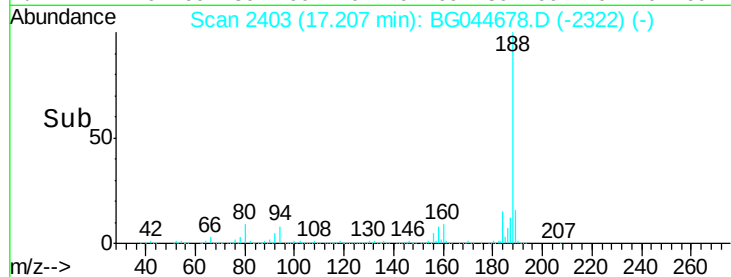
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.10 17.20 17.30



#71

Phenanthrene

Concen: 3.704 ng

RT: 17.25 min Scan# 2410

Delta R.T. -0.05 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

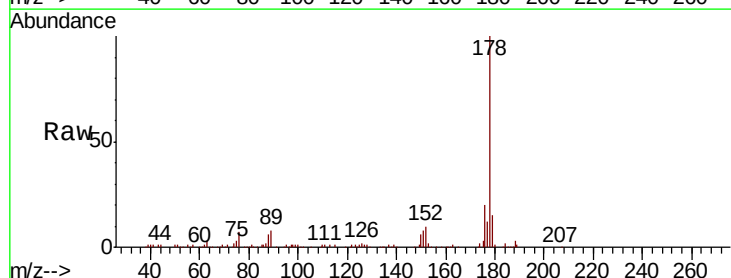
Tgt Ion:178 Resp: 98502

Ion Ratio Lower Upper

178 100

176 19.8 16.6 25.0

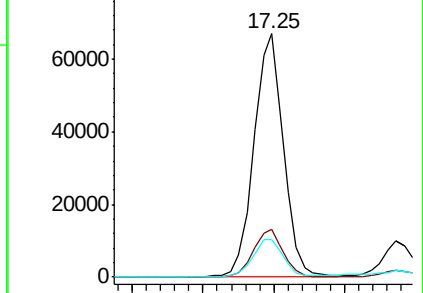
179 15.2 13.3 19.9



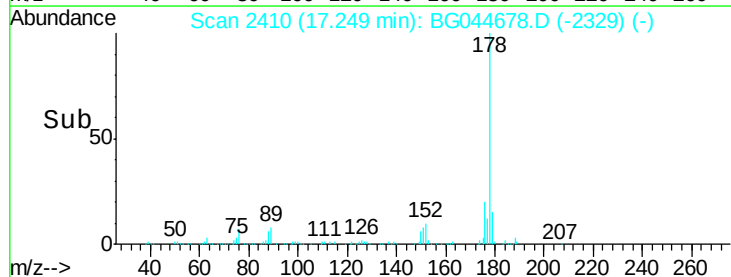
Abundance Ion 178.00 (177.70 to 178.70): E

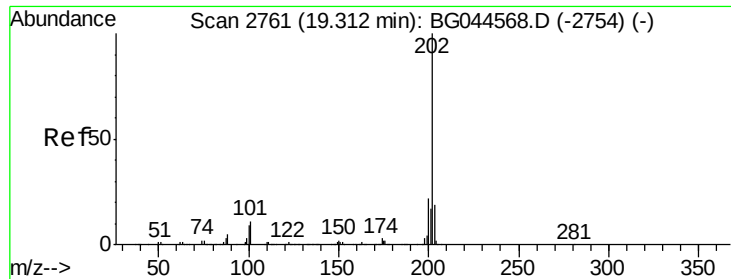
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.15 17.20 17.25 17.30





#75

Fluoranthene

Concen: 5.247 ng

RT: 19.26 min Scan# 2752

Delta R.T. -0.05 min

Lab File: BG044678.D

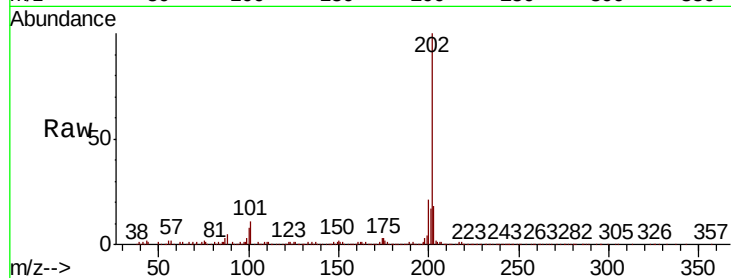
Acq: 4 Mar 2020 1:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	165172
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.0
203	18.1	0.0	39.2

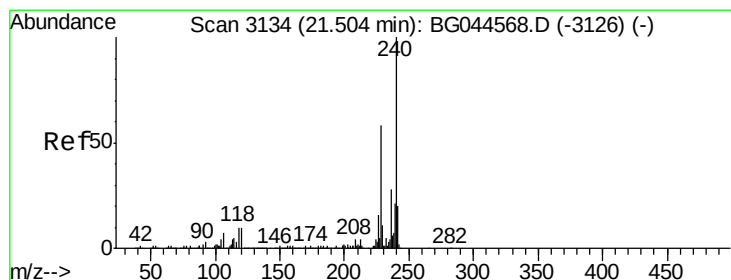
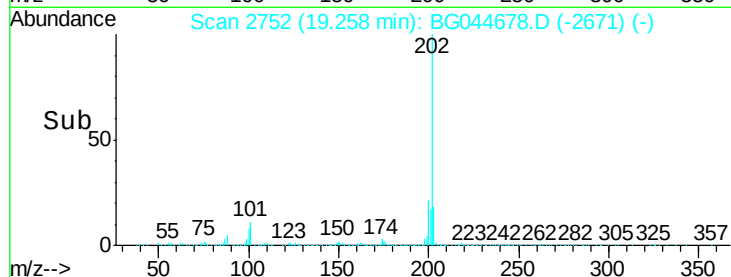
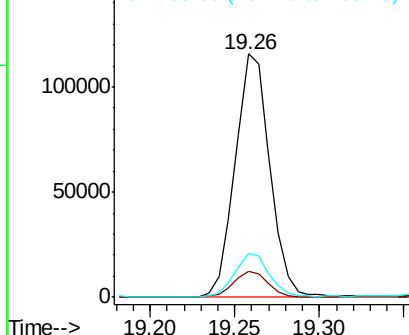


Abundance

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

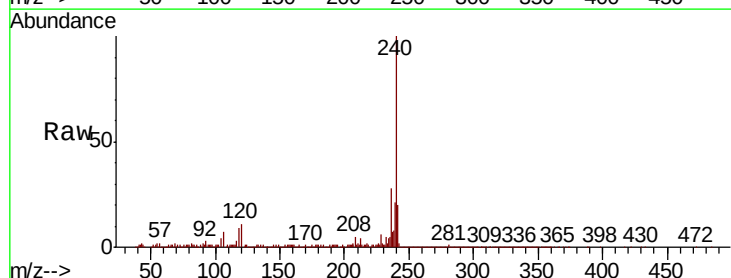
RT: 21.44 min Scan# 3123

Delta R.T. -0.07 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

Tgt Ion:	240	Resp:	424303
Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.3	12.5
236	27.8	22.3	33.5

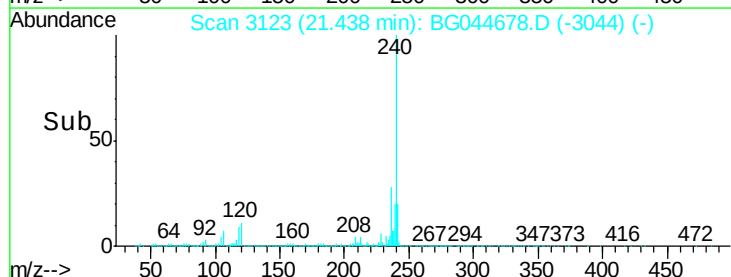
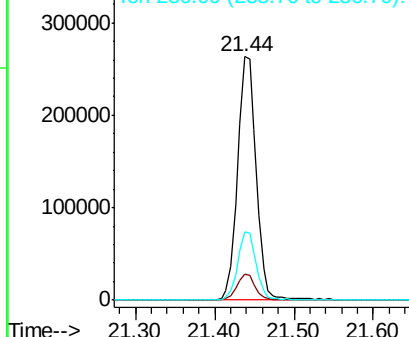


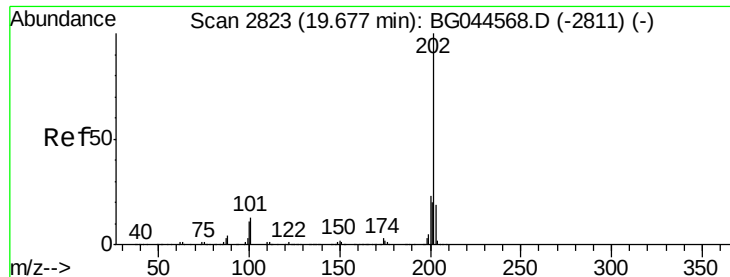
Abundance

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

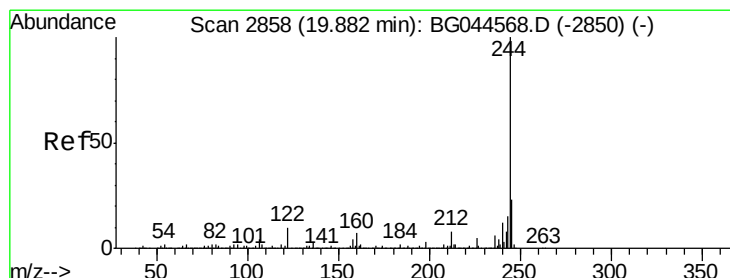
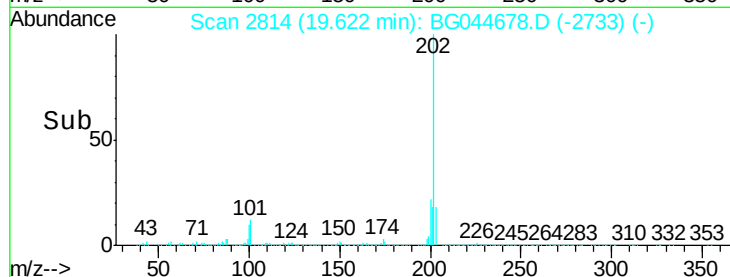
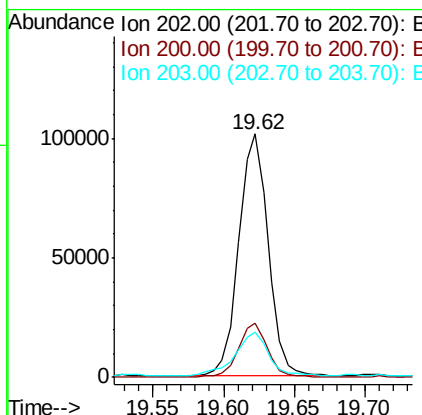
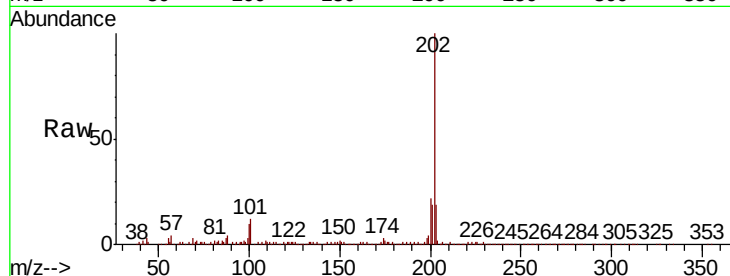




#78
Pvrene
Concen: 4.792 ng
RT: 19.62 min Scan# 2814
Delta R.T. -0.05 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

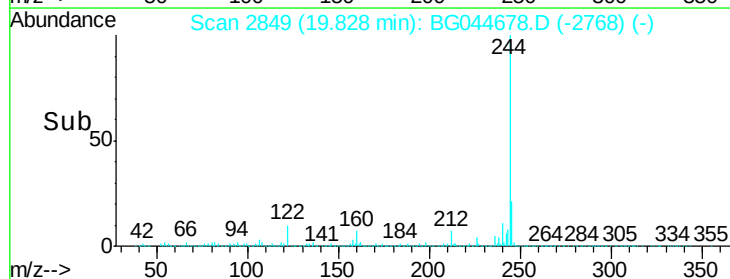
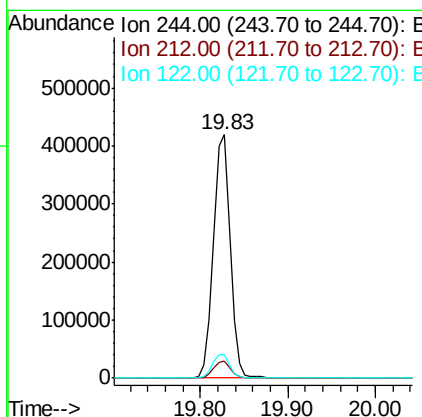
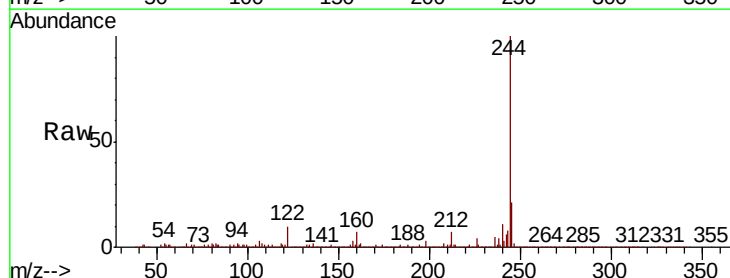
Instrument :
BNA_G
ClientSampleId :

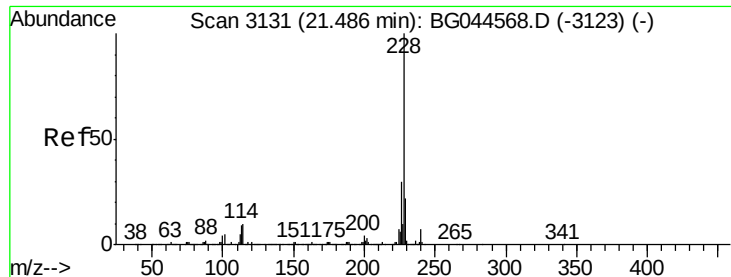
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.6	28.0
203	18.6	15.3	22.9



#79
Terphenyl-d14
Concen: 25.325 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.05 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.5	9.7
122	9.8	8.2	12.4





#81

Benzo(a)anthracene

Concen: 2.594 ng

RT: 21.42 min Scan# 3120

Delta R.T. -0.07 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

Instrument :

BNA_G

ClientSampleId :

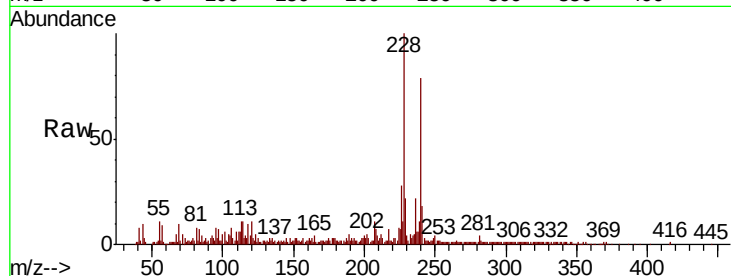
Tot Ion:228 Resp: 77354

Ion Ratio Lower Upper

228 100

226 28.3 23.8 35.8

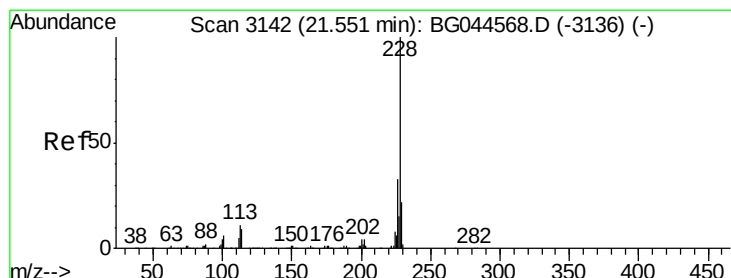
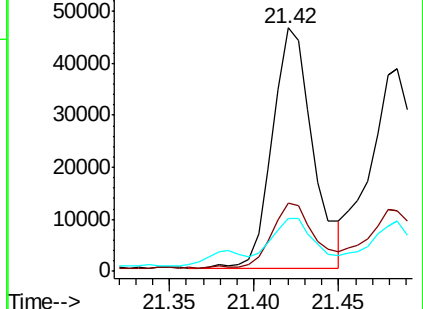
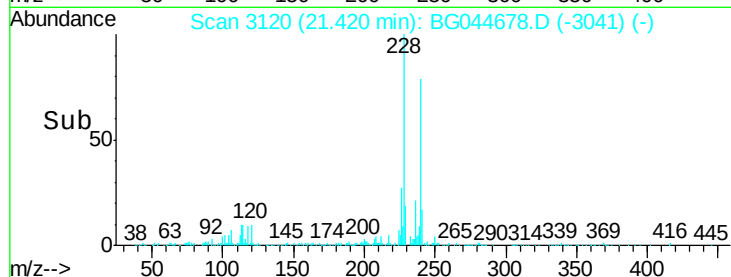
229 21.8 17.2 25.8



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: 2.474 ng

RT: 21.48 min Scan# 3131

Delta R.T. -0.07 min

Lab File: BG044678.D

Acq: 4 Mar 2020 1:29

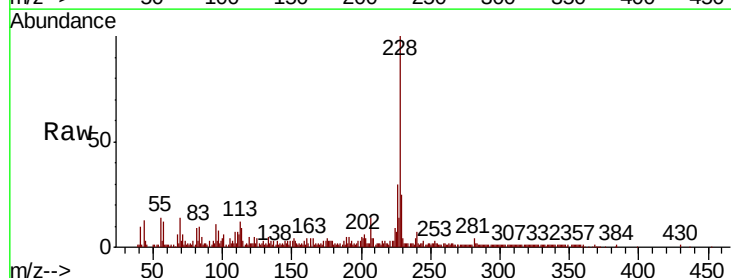
Tgt Ion:228 Resp: 71327

Ion Ratio Lower Upper

228 100

226 29.6 26.1 39.1

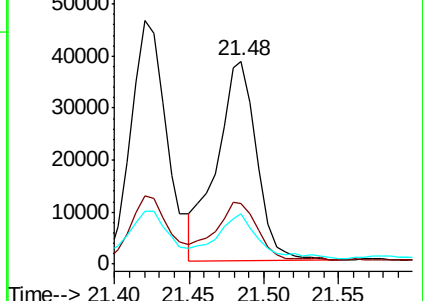
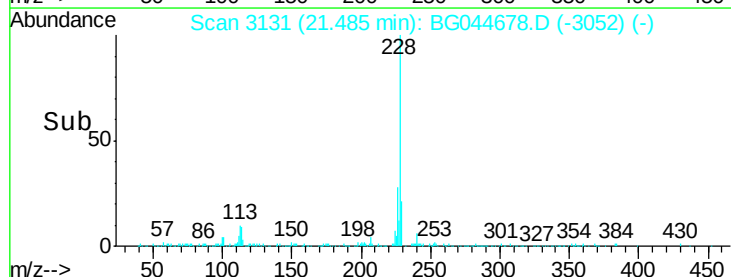
229 24.6 17.2 25.8

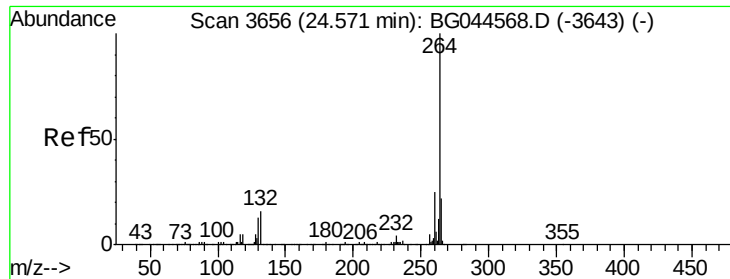


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

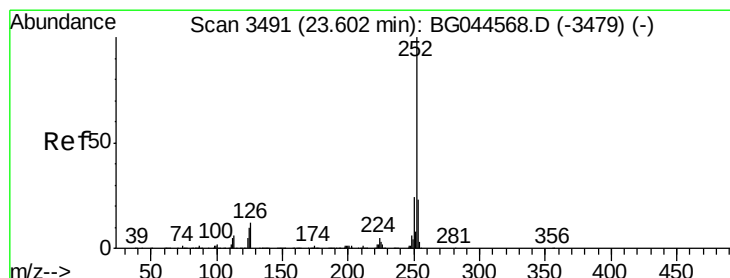
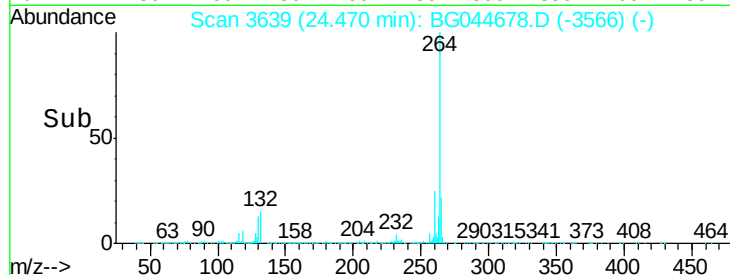
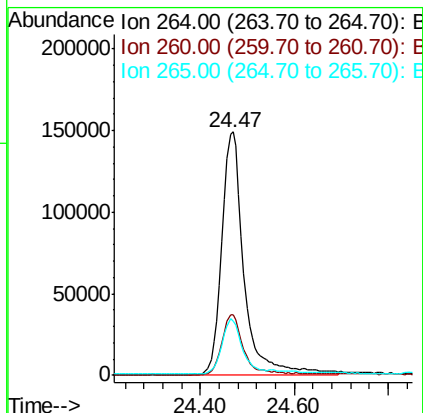
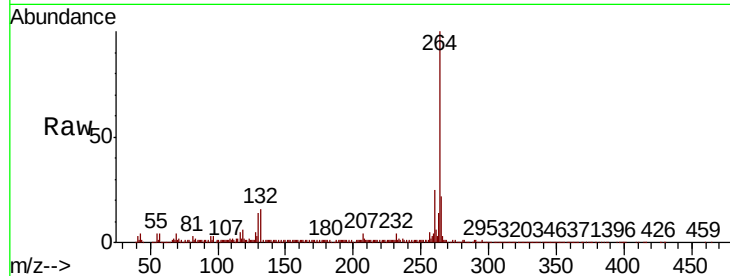




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.47 min Scan# 3639
Delta R.T. -0.10 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

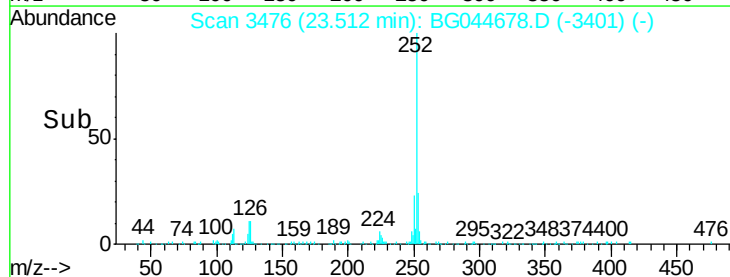
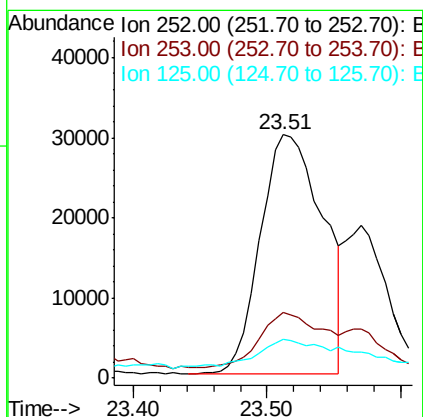
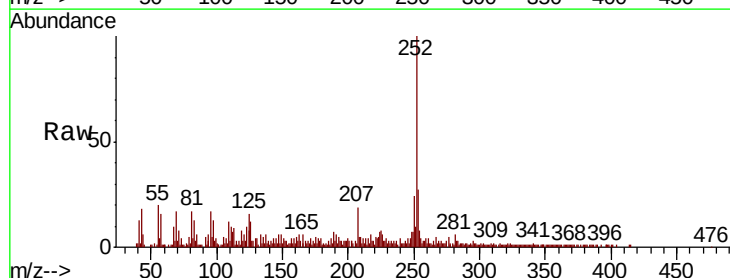
Instrument :
BNA_G
ClientSampleId :

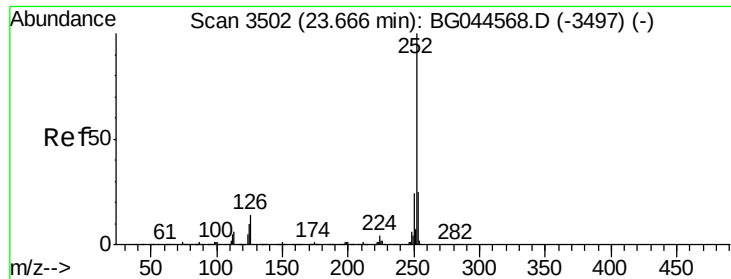
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.4	17.8	26.8



#88
Benzo(b)fluoranthene
Concen: 3.010 ng
RT: 23.51 min Scan# 3476
Delta R.T. -0.09 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.4	27.6
125	15.8	7.9	11.9

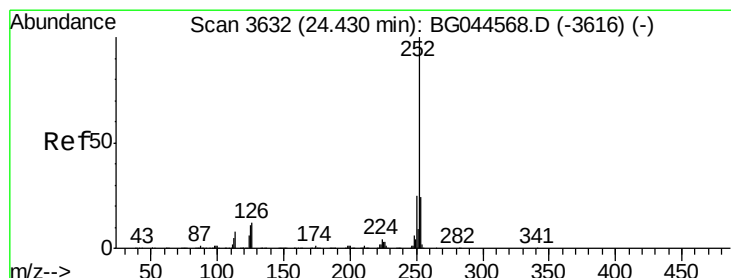
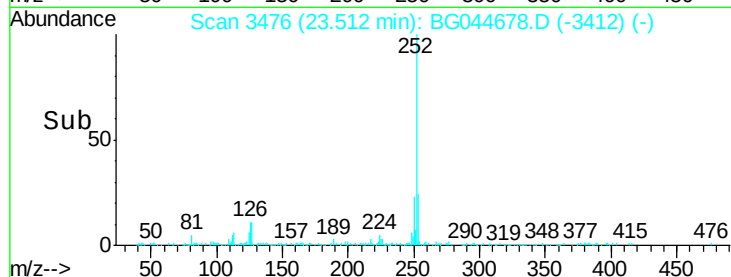
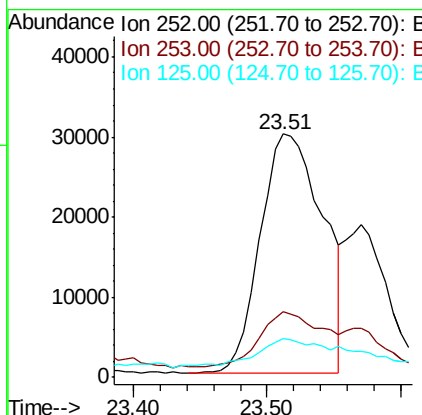
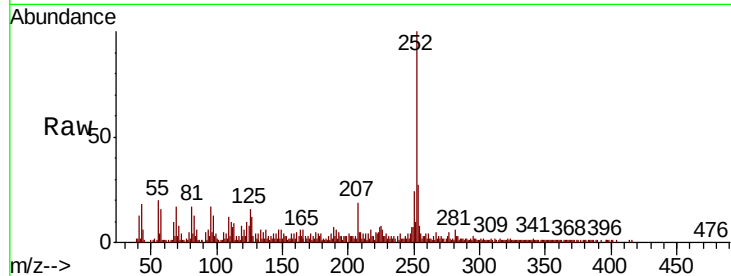




#89
Benzo(k)fluoranthene
Concen: 3.102 ng
RT: 23.51 min Scan# 3476
Delta R.T. -0.15 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 96897
Ion Ratio Lower Upper
252 100
253 27.1 19.0 28.6
125 15.8 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 2.459 ng
RT: 24.32 min Scan# 3614
Delta R.T. -0.11 min
Lab File: BG044678.D
Acq: 4 Mar 2020 1:29

Tgt Ion:252 Resp: 74366
Ion Ratio Lower Upper
252 100
253 25.8 19.0 28.4
125 15.8 8.5 12.7#

