

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042520.D
 Acq On : 28 Aug 2019 1:17
 Operator : HP/JU
 Sample : K4525-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 04:08:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

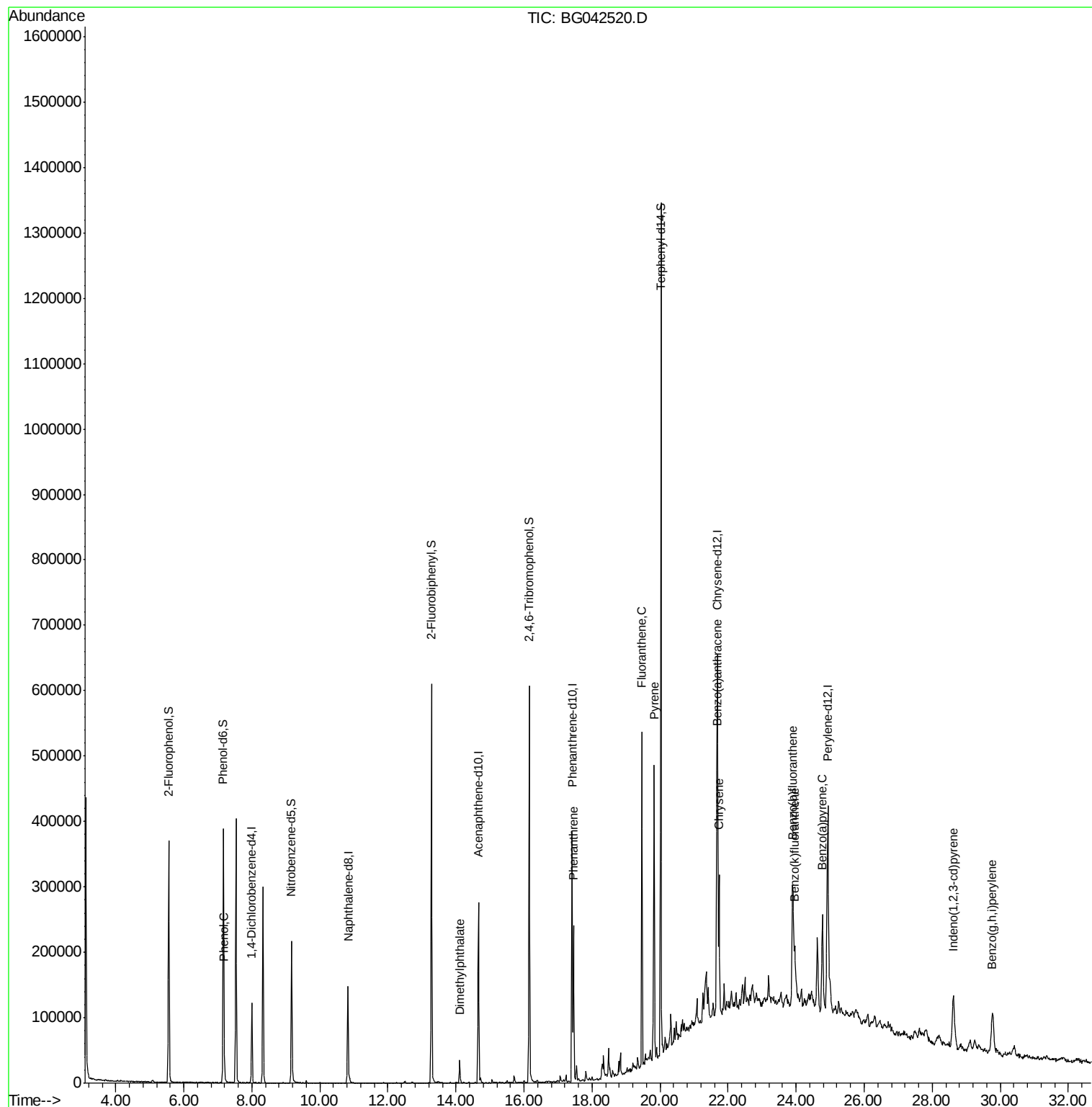
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	40908	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	157720	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	111448	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	261484	20.00	ng	0.00
76) Chrysene-d12	21.69	240	303681	20.00	ng	0.00
87) Perylene-d12	24.92	264	361801	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	194113	96.10	ng	0.00
7) Phenol-d6	7.16	99	262465	96.20	ng	0.00
23) Nitrobenzene-d5	9.17	82	150984	66.15	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	155595	98.23	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	381748	57.93	ng	0.00
79) Terphenyl-d14	20.02	244	709804	50.53	ng	0.00
Target Compounds						
10) Phenol	7.19	94	12652	4.561	ng	Qvalue 88
50) Dimethylphthalate	14.11	163	35111	4.366	ng	98
71) Phenanthrene	17.45	178	168119	12.944	ng	100
75) Fluoranthene	19.47	202	359383	22.672	ng	97
78) Pyrene	19.82	202	304748	16.368	ng	97
81) Benzo(a)anthracene	21.66	228	156627	8.478	ng	98
83) Chrysene	21.73	228	168487	9.457	ng	98
86) Indeno(1,2,3-cd)pyrene	28.62	276	136482	5.637	ng	# 97
88) Benzo(b)fluoranthene	23.90	252	250347	12.586	ng	99
89) Benzo(k)fluoranthene	23.96	252	84710m	4.431	ng	
90) Benzo(a)pyrene	24.77	252	173811	9.209	ng	99
92) Benzo(a,h,i)perylene	29.76	276	137919	7.216	ng	96

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

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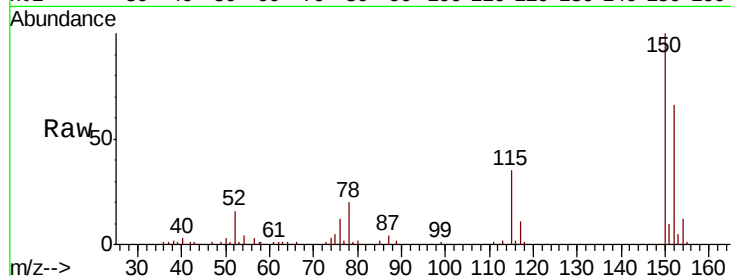


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	125.4	188.0
115	52.2	38.5	57.7

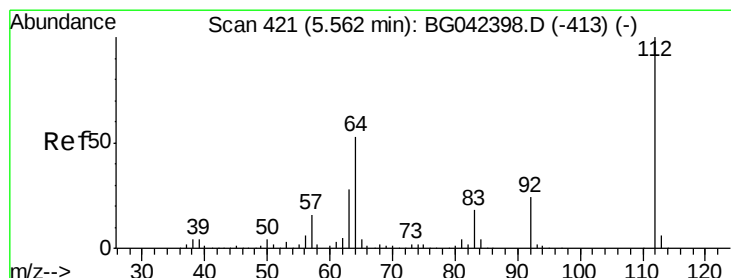
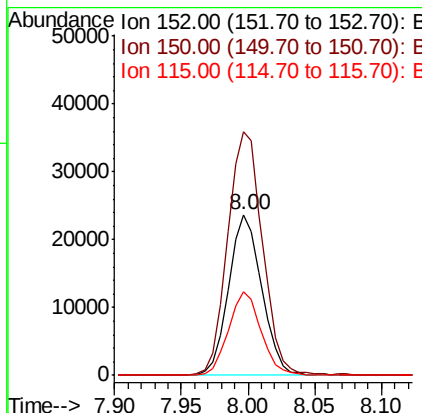
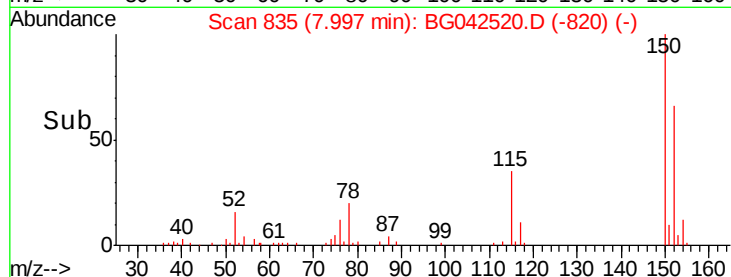


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

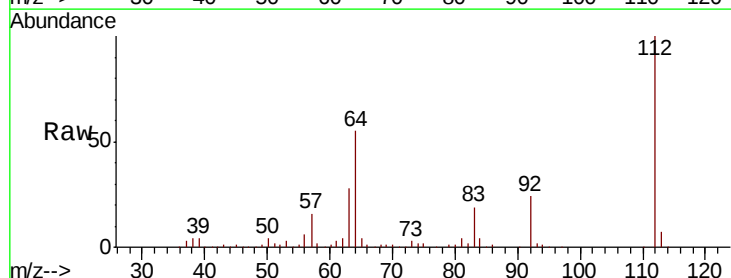
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.102 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	42.8	64.2
63	28.4	22.7	34.1

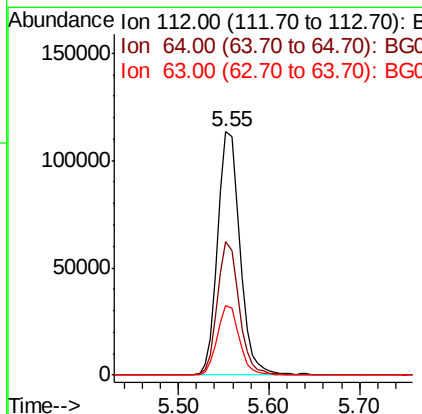
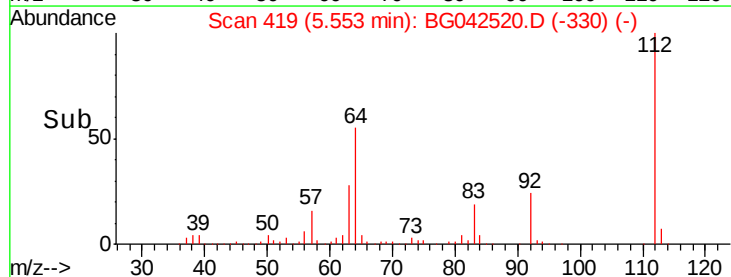


Abundance

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: 96.198 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

Instrument :

BNA_G

ClientSampleId :

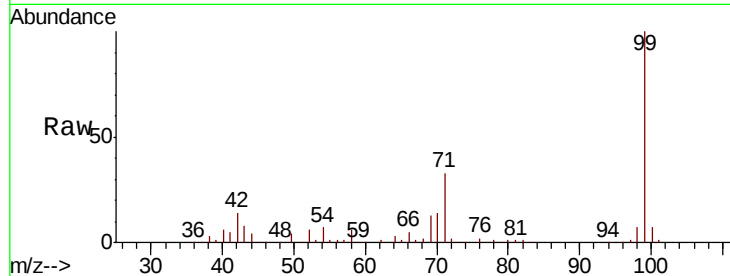
Tot Ion: 99 Resp: 262465

Ion Ratio Lower Upper

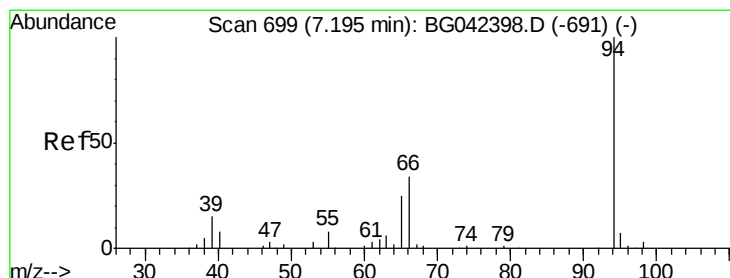
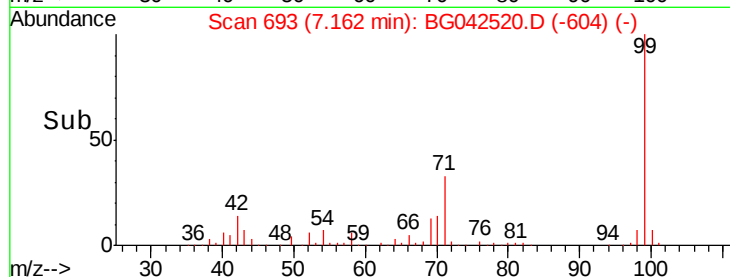
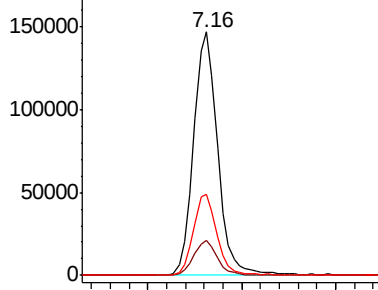
99 100

42 14.3 12.0 18.0

71 33.4 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 4.561 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

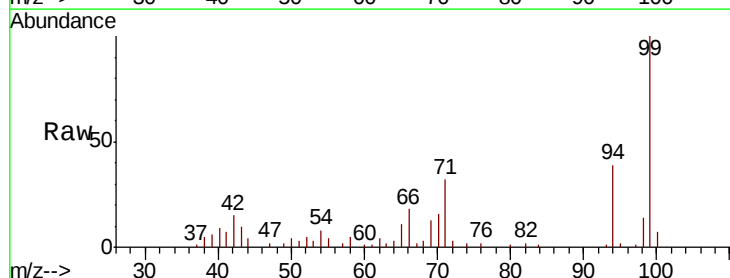
Tgt Ion: 94 Resp: 12652

Ion Ratio Lower Upper

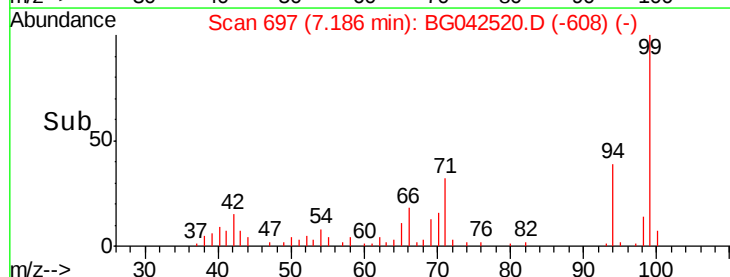
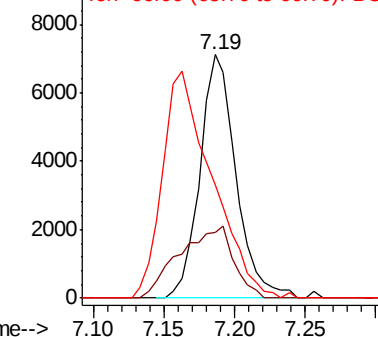
94 100

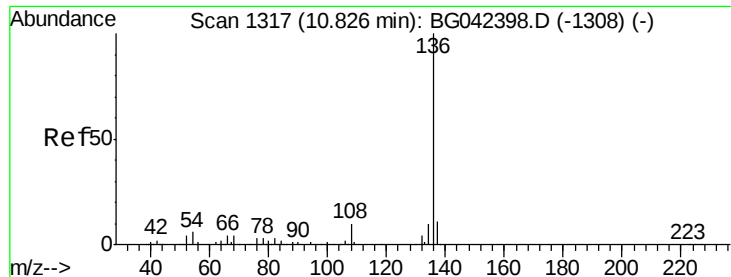
65 27.1 5.6 45.6

66 46.5 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

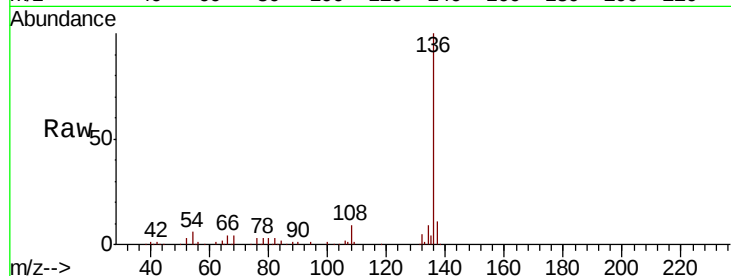




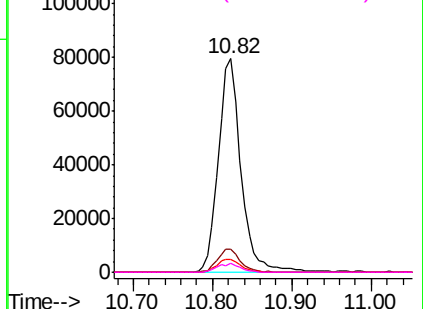
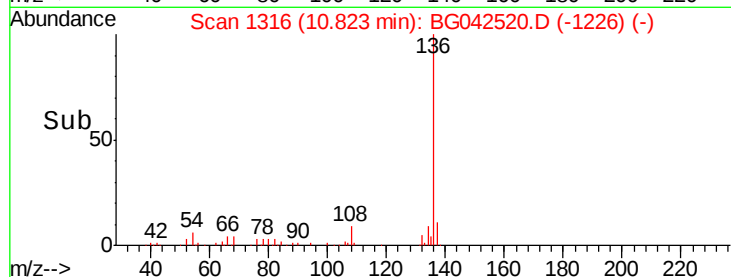
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	157720	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	8.7	13.1	
54 5.9	4.9	7.3	
68 4.3	3.6	5.4	

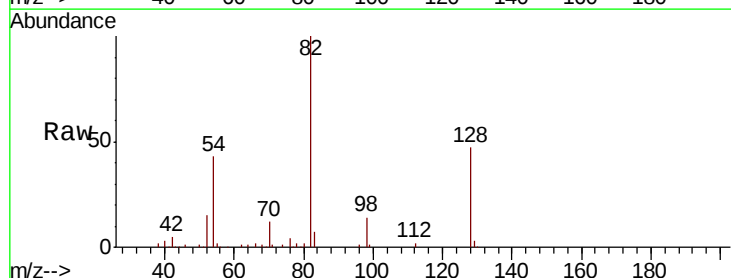


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

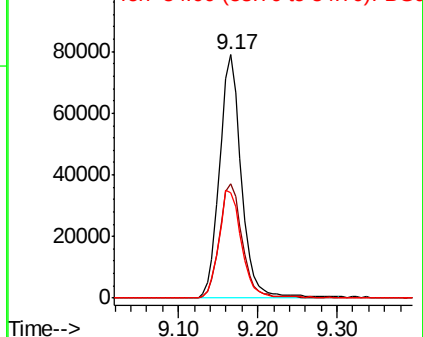
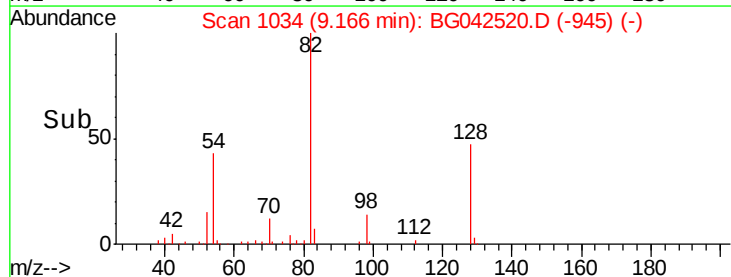


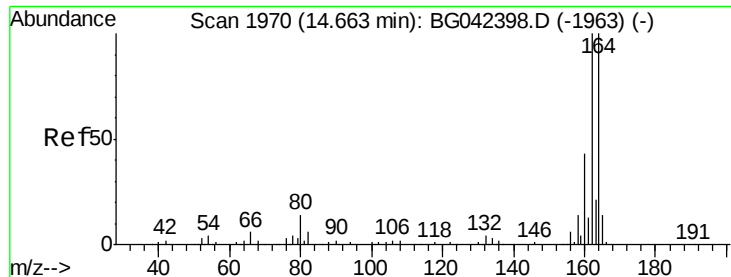
#23
Nitrobenzene-d5
Concen: 66.153 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Tgt Ion: 82	Resp: 150984
Ion Ratio	Lower Upper
82 100	
128 47.2	40.7 61.1
54 43.3	36.3 54.5



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: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

Instrument :

BNA_G

ClientSampleId :

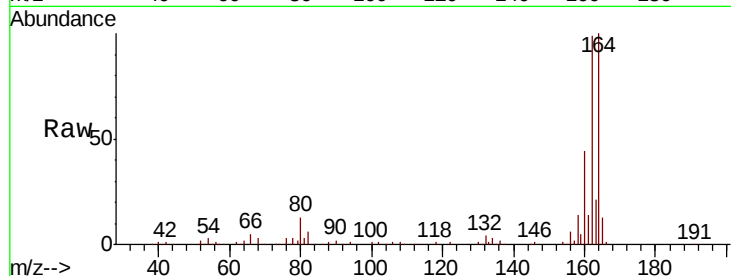
Tot Ion:164 Resp: 111448

Ion Ratio Lower Upper

164 100

162 98.8 79.9 119.9

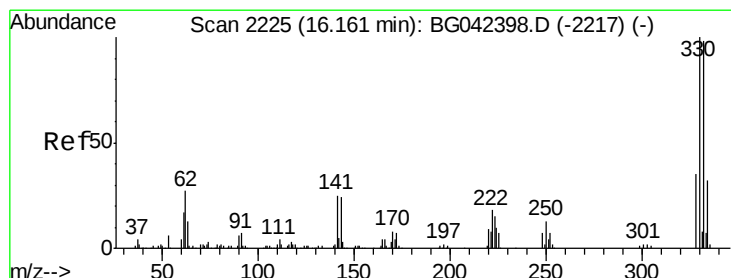
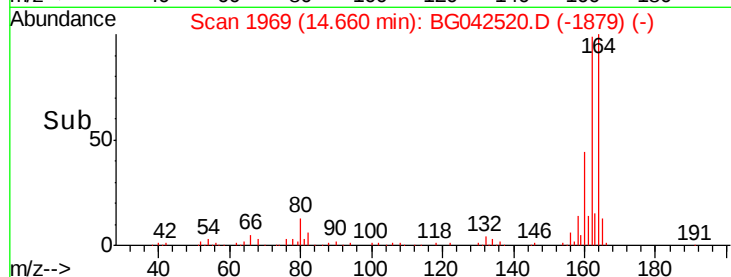
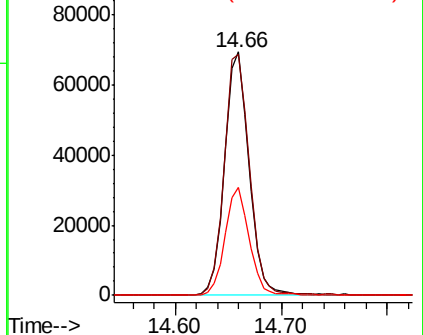
160 44.1 34.3 51.5



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: 98.226 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

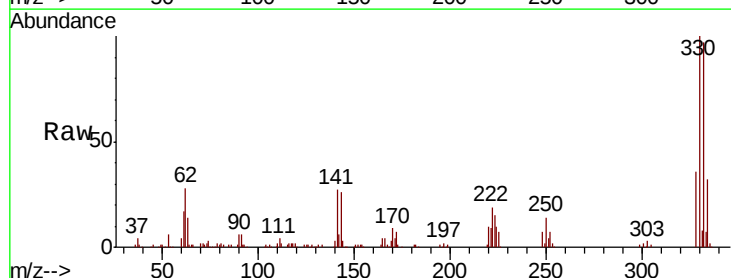
Tgt Ion:330 Resp: 155595

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

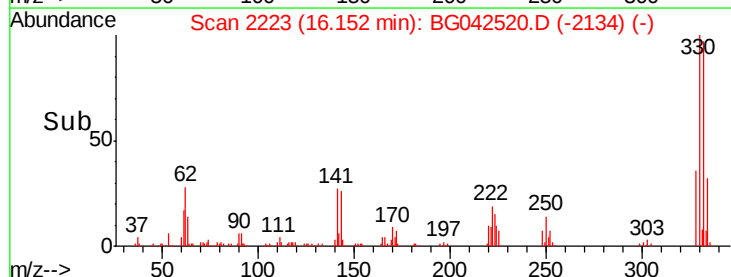
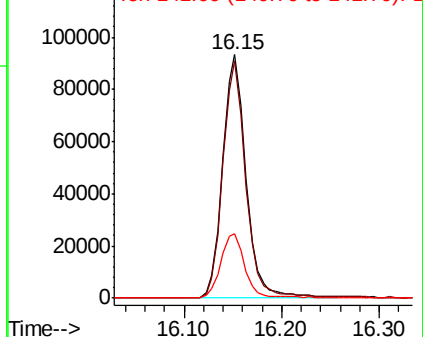
141 27.2 21.4 32.0



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

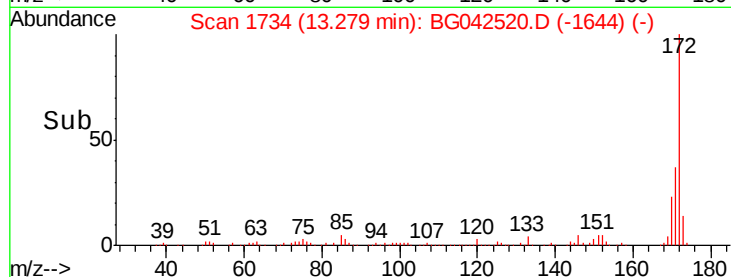
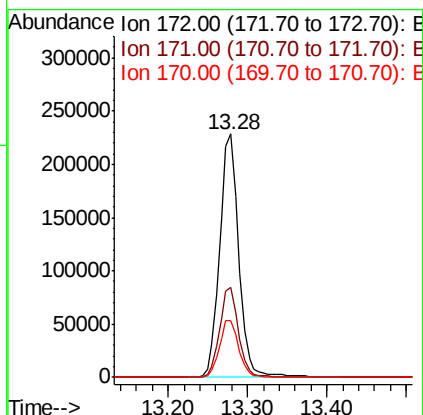
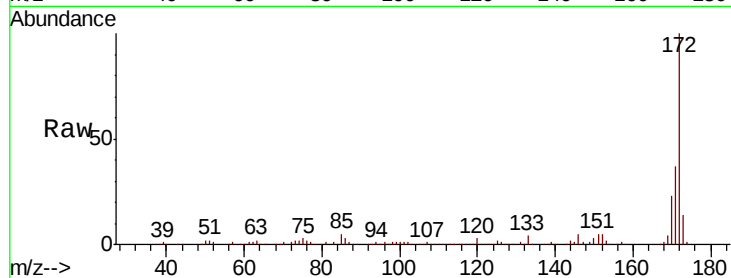




#45
2-Fluorobiphenyl
Concen: 57.932 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

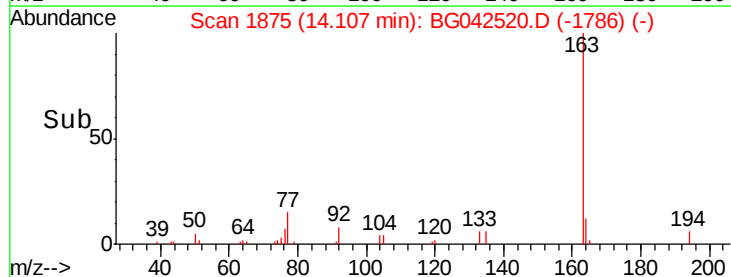
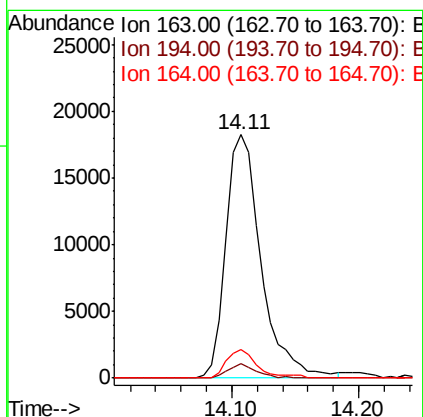
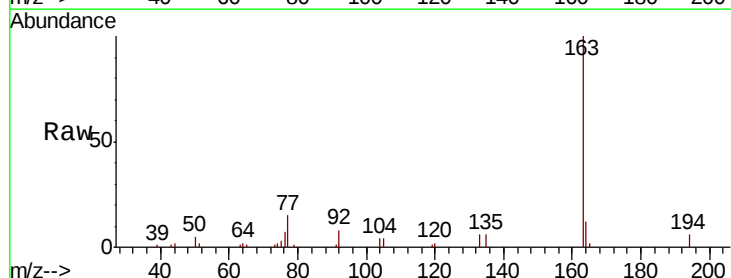
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.5	45.7
170	23.2	20.2	30.2



#50
Dimethylphthalate
Concen: 4.366 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.2	4.2	6.2
164	11.8	8.8	13.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

Instrument :

BNA_G

ClientSampled :

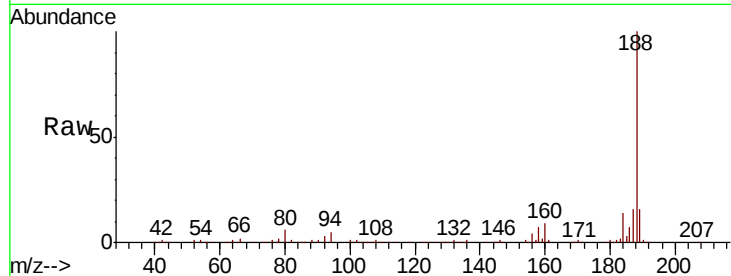
Tot Ion:188 Resp: 261484

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

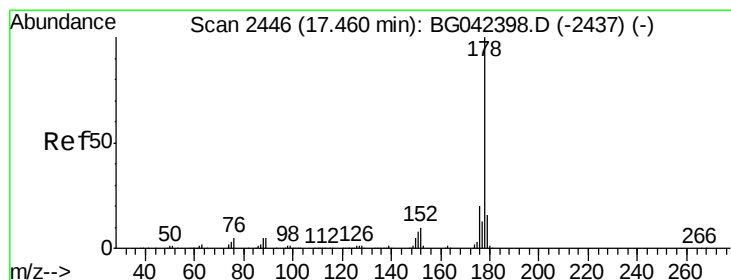
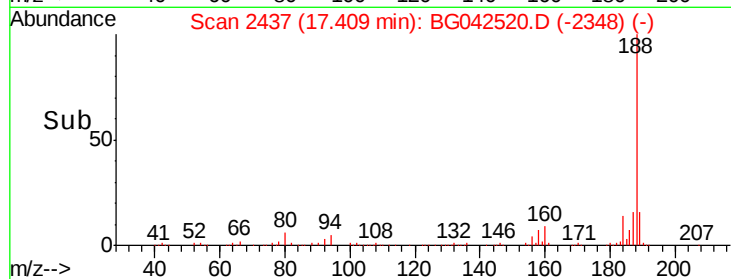
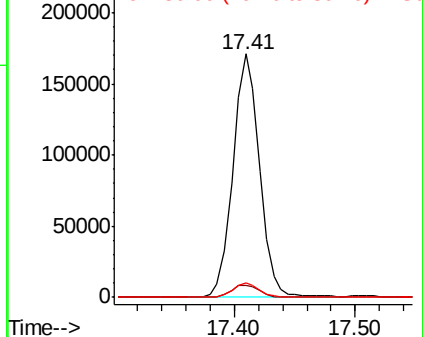
80 6.1 4.9 7.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#71

Phenanthrene

Concen: 12.944 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

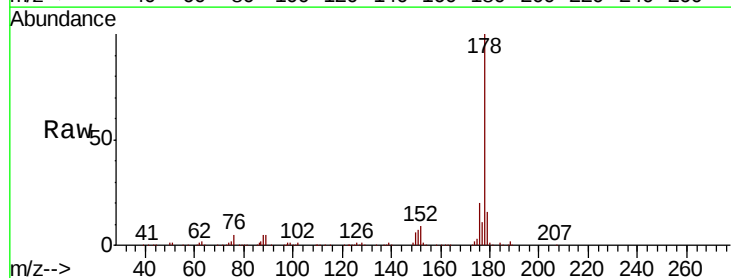
Tgt Ion:178 Resp: 168119

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

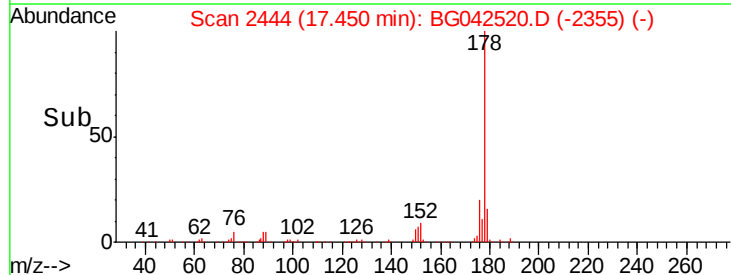
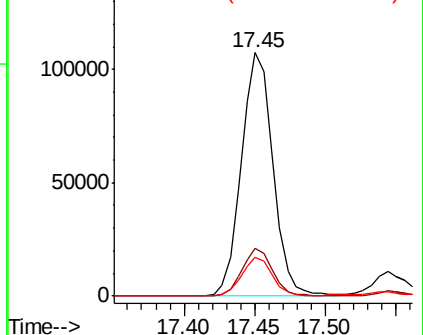
179 16.2 12.7 19.1

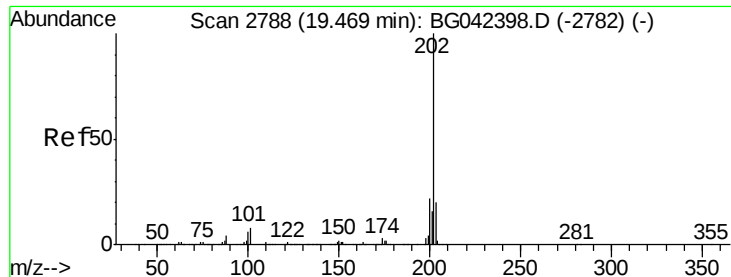


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 22.672 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

Instrument :

BNA_G

ClientSampleId :

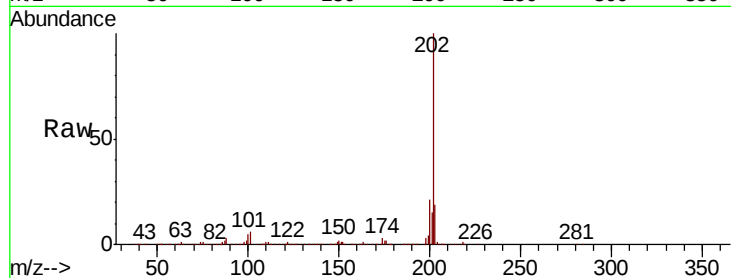
Tot Ion:202 Resp: 359383

Ion Ratio Lower Upper

202 100

101 6.4 0.0 28.3

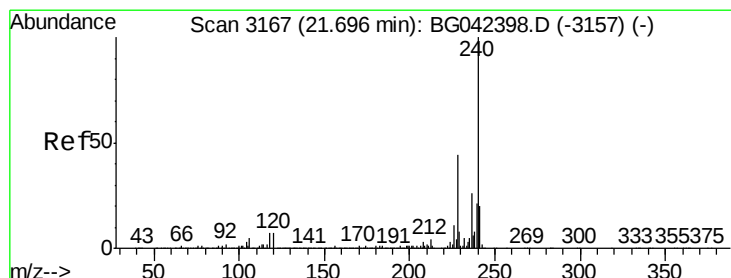
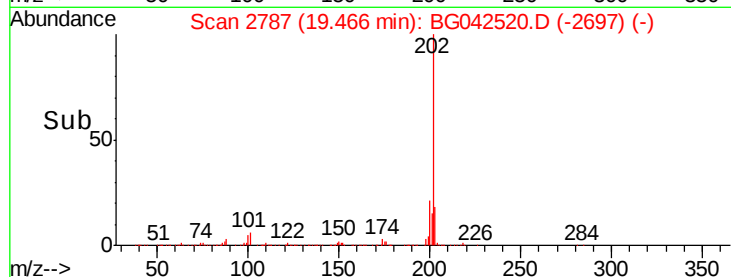
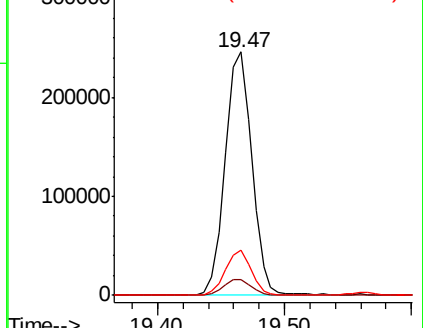
203 18.6 0.0 39.6



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: 21.69 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

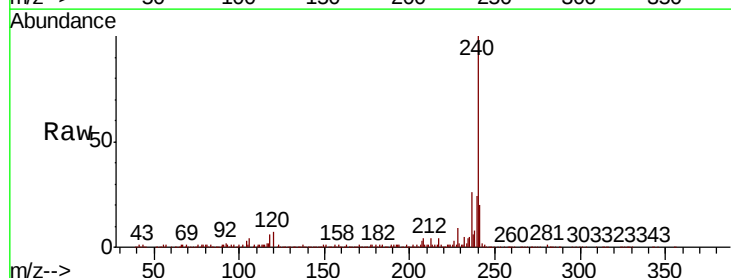
Tgt Ion:240 Resp: 303681

Ion Ratio Lower Upper

240 100

120 6.5 5.7 8.5

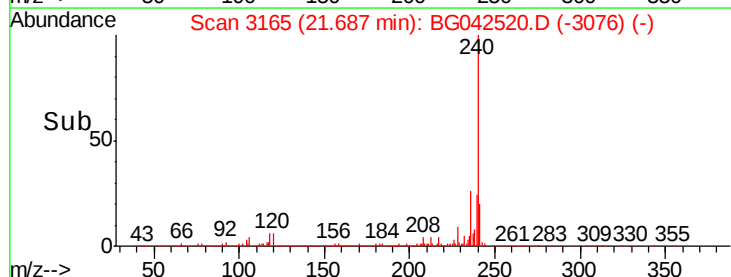
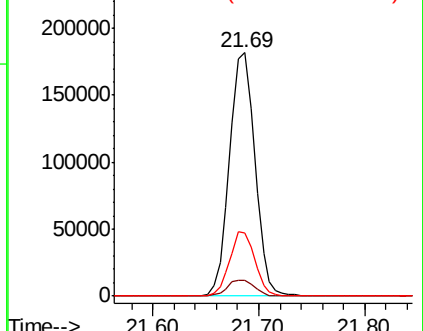
236 26.1 21.0 31.4

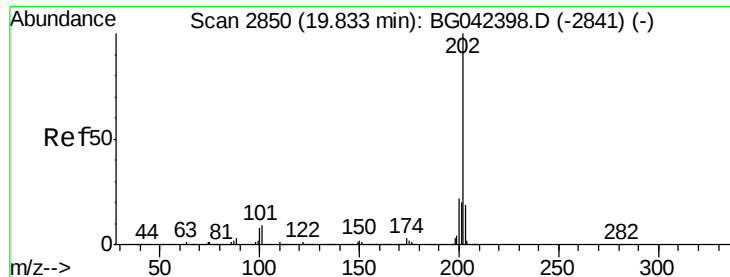


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 16.368 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

Instrument :

BNA_G

ClientSampleId :

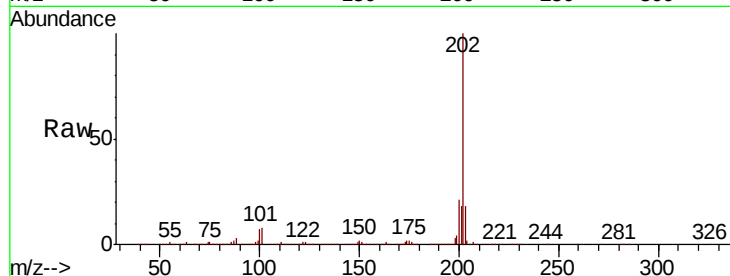
Tot Ion:202 Resp: 304748

Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

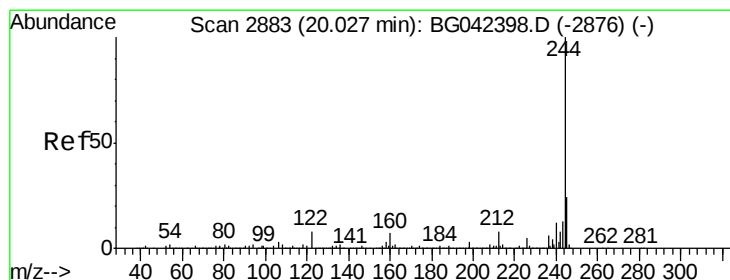
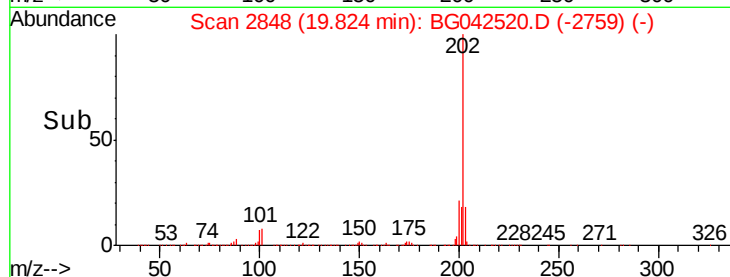
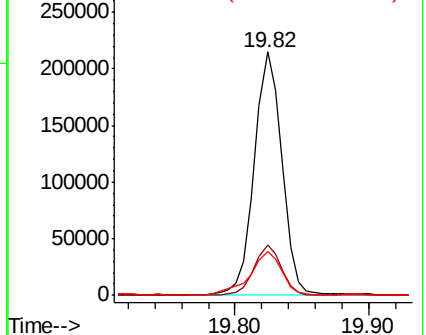
203 17.9 15.5 23.3



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: 50.531 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042520.D

Acq: 28 Aug 2019 1:17

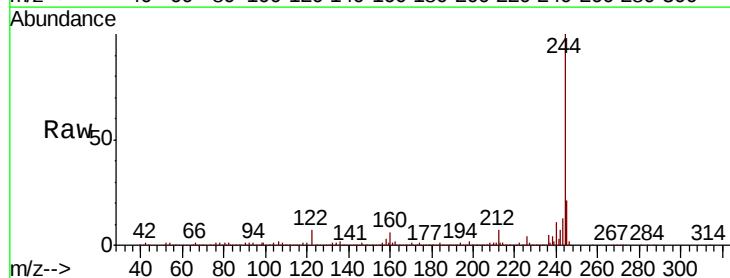
Tgt Ion:244 Resp: 709804

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

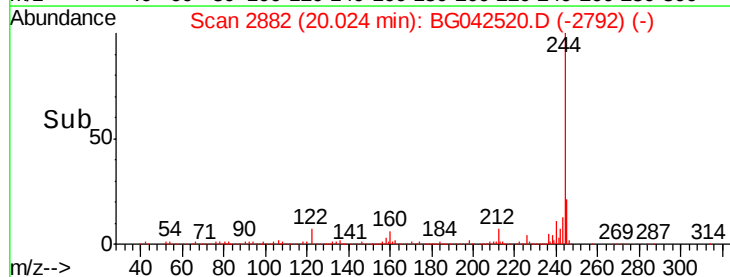
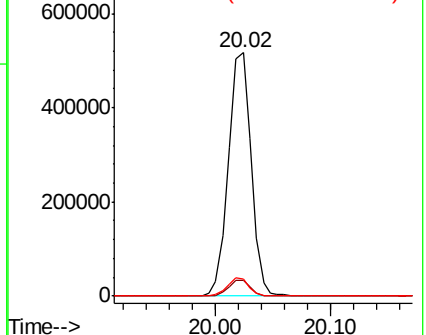
122 6.9 6.7 10.1

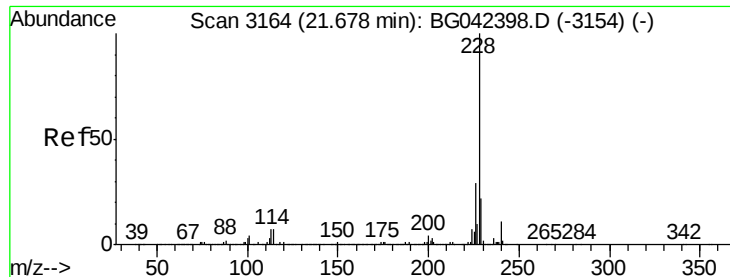


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

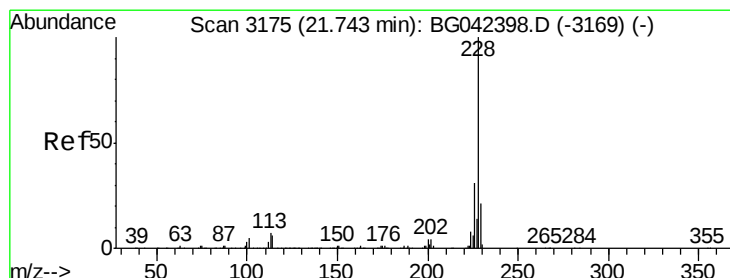
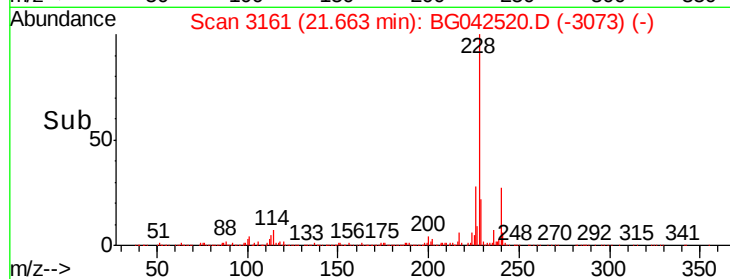
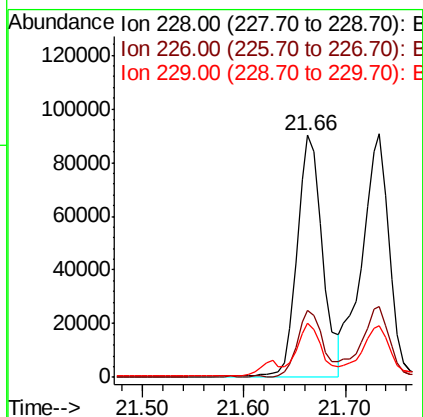
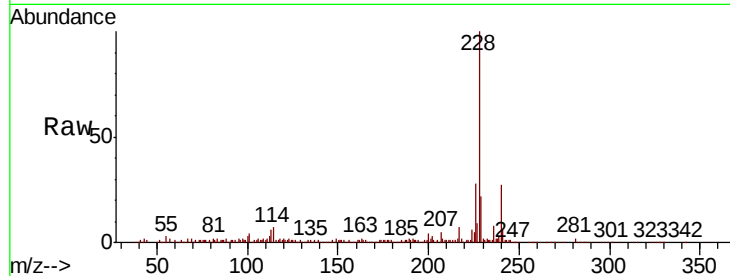




#81
Benzo(a)anthracene
Concen: 8.478 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.02 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

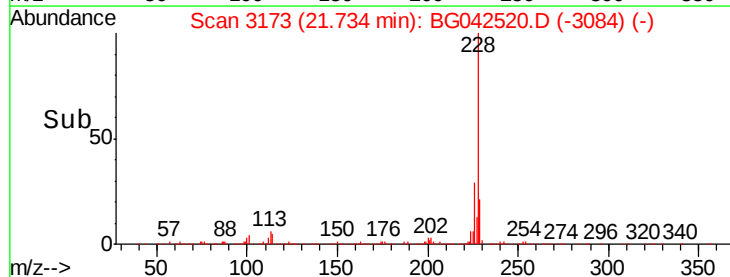
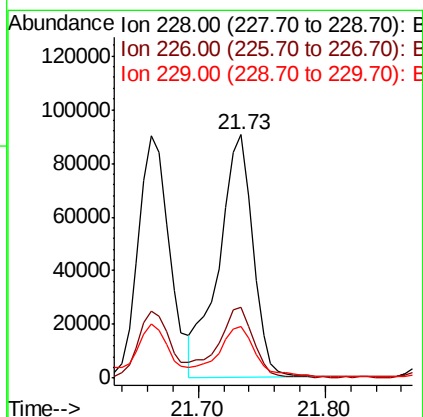
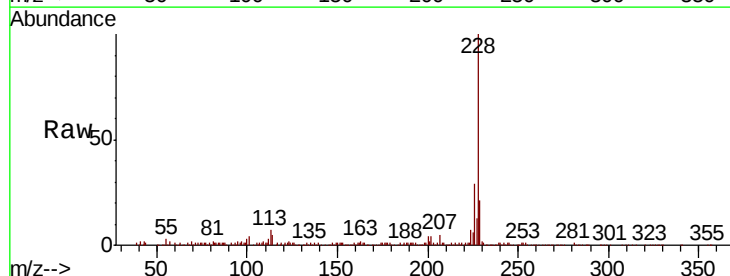
Instrument :
BNA_G
ClientSampleId :

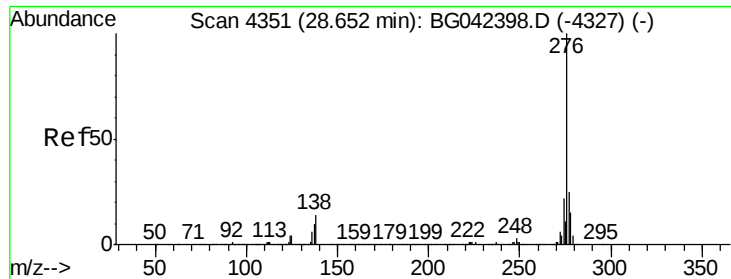
Tot Ion:228 Resp: 156627
Ion Ratio Lower Upper
228 100
226 27.7 23.4 35.2
229 22.2 17.4 26.2



#83
Chrysene
Concen: 9.457 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Tgt Ion:228 Resp: 168487
Ion Ratio Lower Upper
228 100
226 29.1 24.9 37.3
229 21.2 16.9 25.3

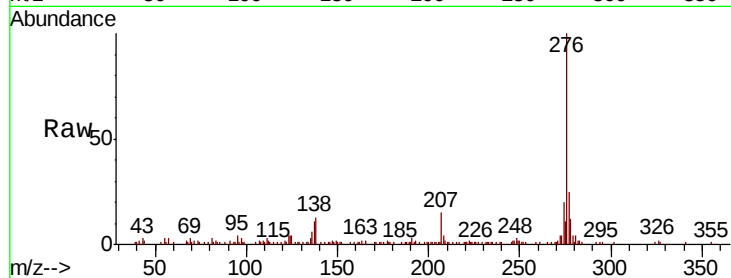




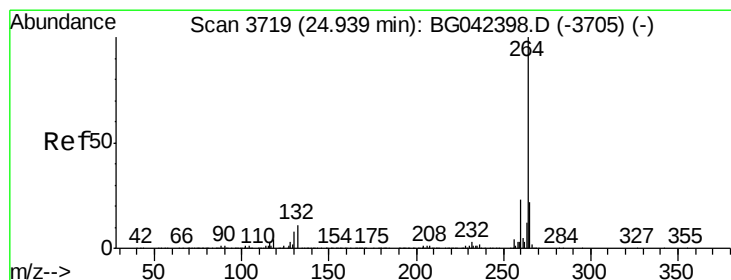
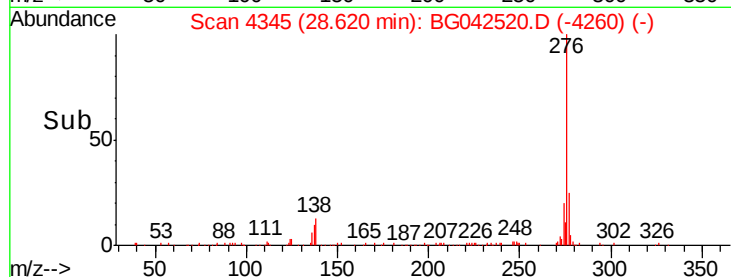
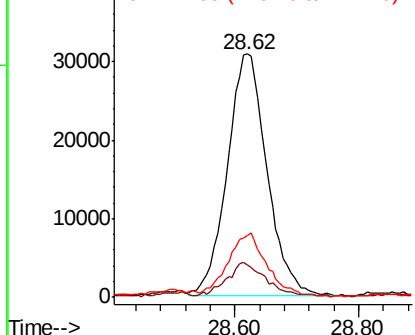
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.637 ng
RT: 28.62 min Scan# 4345
Delta R.T. -0.03 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.3	9.2	13.8
277	26.8	21.0	31.6

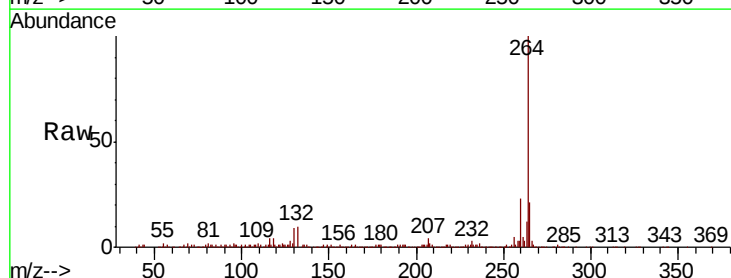


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

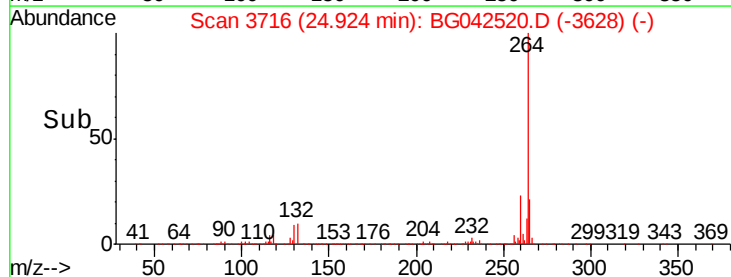
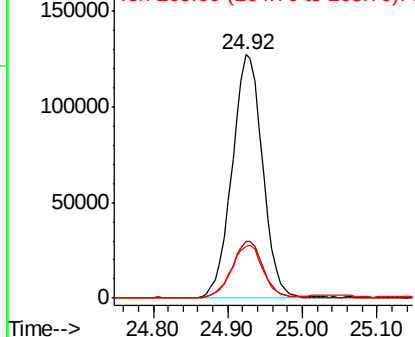


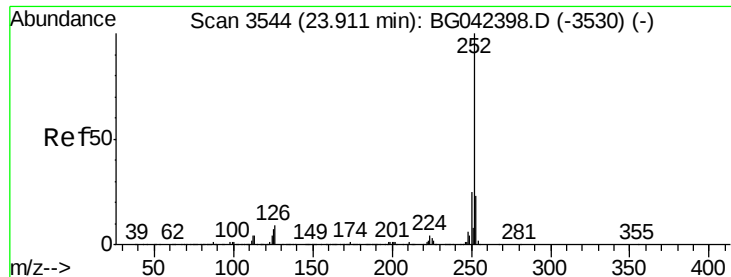
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.2	17.6	26.4



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

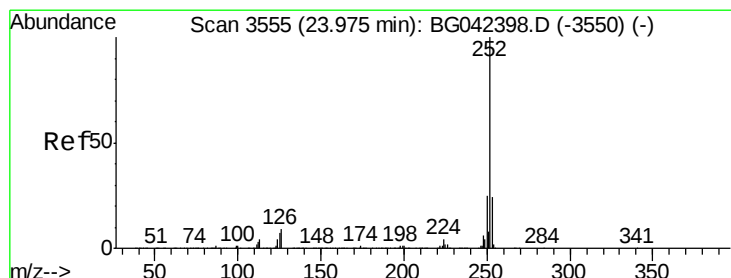
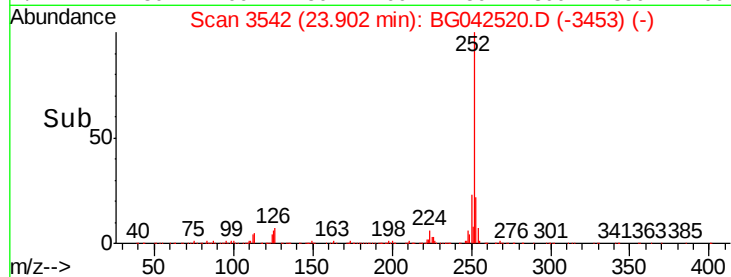
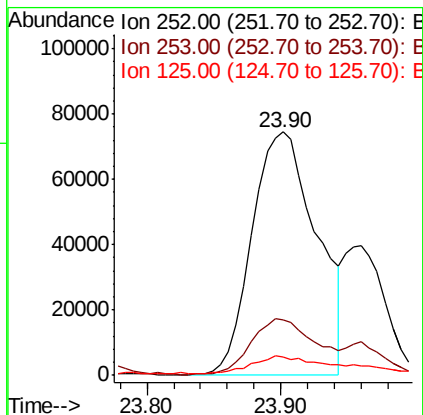
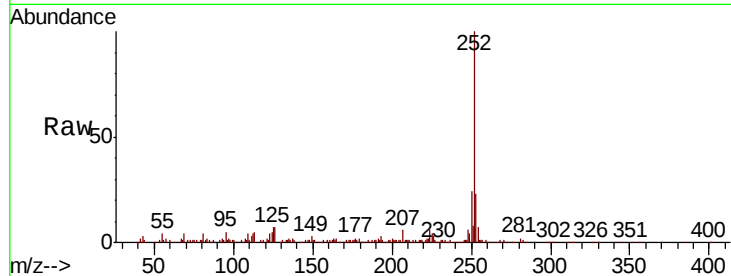




#88
Benzo(b)fluoranthene
Concen: 12.586 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

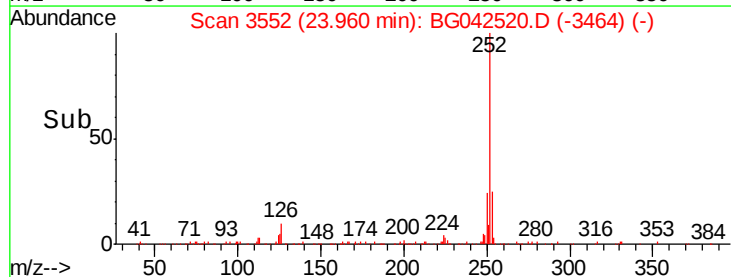
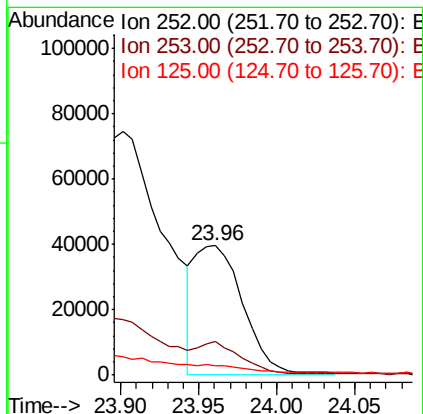
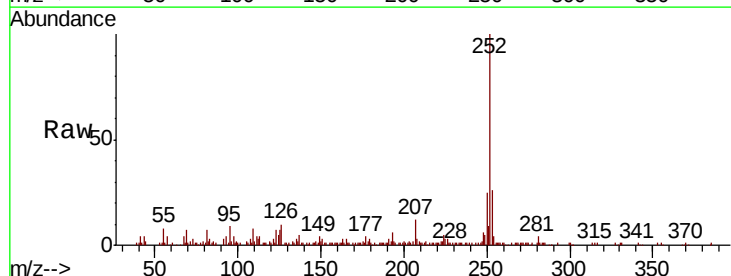
Instrument :
BNA_G
ClientSampleId :

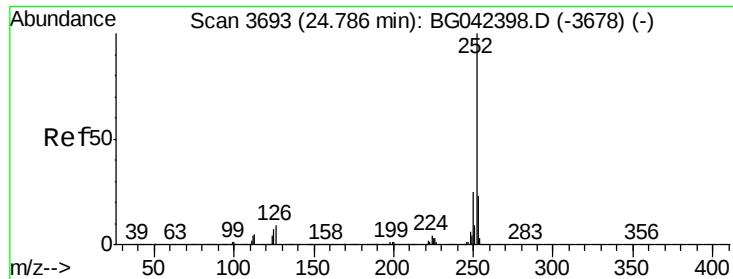
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	7.3	5.6	8.4



#89
Benzo(k)fluoranthene
Concen: 4.431 ng m
RT: 23.96 min Scan# 3552
Delta R.T. -0.02 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.6	27.8
125	7.2	5.8	8.6

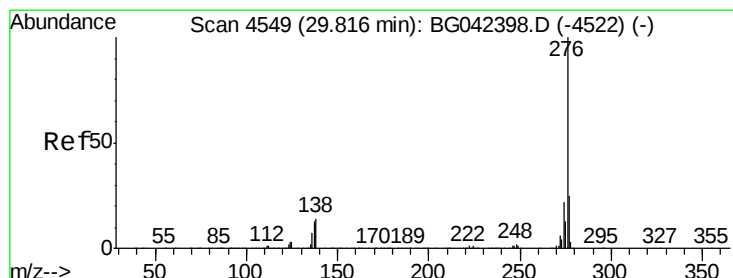
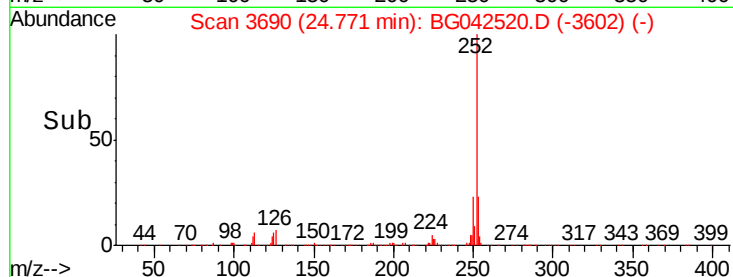
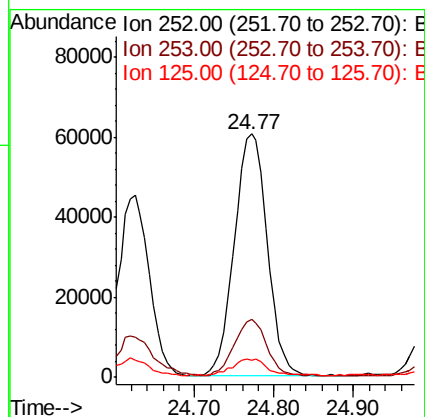
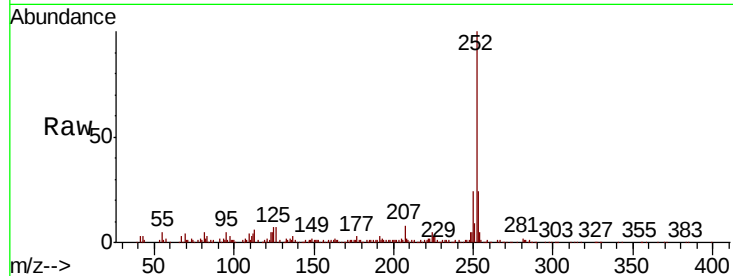




#90
Benzo(a)pyrene
Concen: 9.209 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	7.1	6.0	9.0



#92
Benzo(g,h,i)perylene
Concen: 7.216 ng
RT: 29.76 min Scan# 4539
Delta R.T. -0.06 min
Lab File: BG042520.D
Acq: 28 Aug 2019 1:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.8	29.8
138	12.6	11.4	17.0

