

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\
 Data File : BG046959.D
 Acq On : 18 Oct 2020 3:45
 Operator : CG/JU
 Sample : L4201-13DL 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP3DL

Quant Time: Oct 19 02:40:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 19 02:31:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	56911	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	239543	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	174273	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	384372	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	357217	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	347866	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	1968	1.54	ng/uL	0.00
5) Phenol-d5	7.22	99	33308	6.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	23395	8.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	27349	7.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	24831	6.19	ng/ul	-0.01
19) Nitrobenzene-d5	9.23	128	14945	7.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	18418	7.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	31337	6.88	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	15735	3.00	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	127684	8.82	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	140941	8.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.88	143	10304	4.13	ng/ul	0.00
58) Fluorene-d10	15.68	176	109567	8.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	17719	6.69	ng/ul	0.00
71) Anthracene-d10	17.54	188	154650	8.31	ng/ul	0.00
79) Pyrene-d10	19.82	212	178446	9.11	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	162600	8.30	ng/ul	0.00

Target Compounds

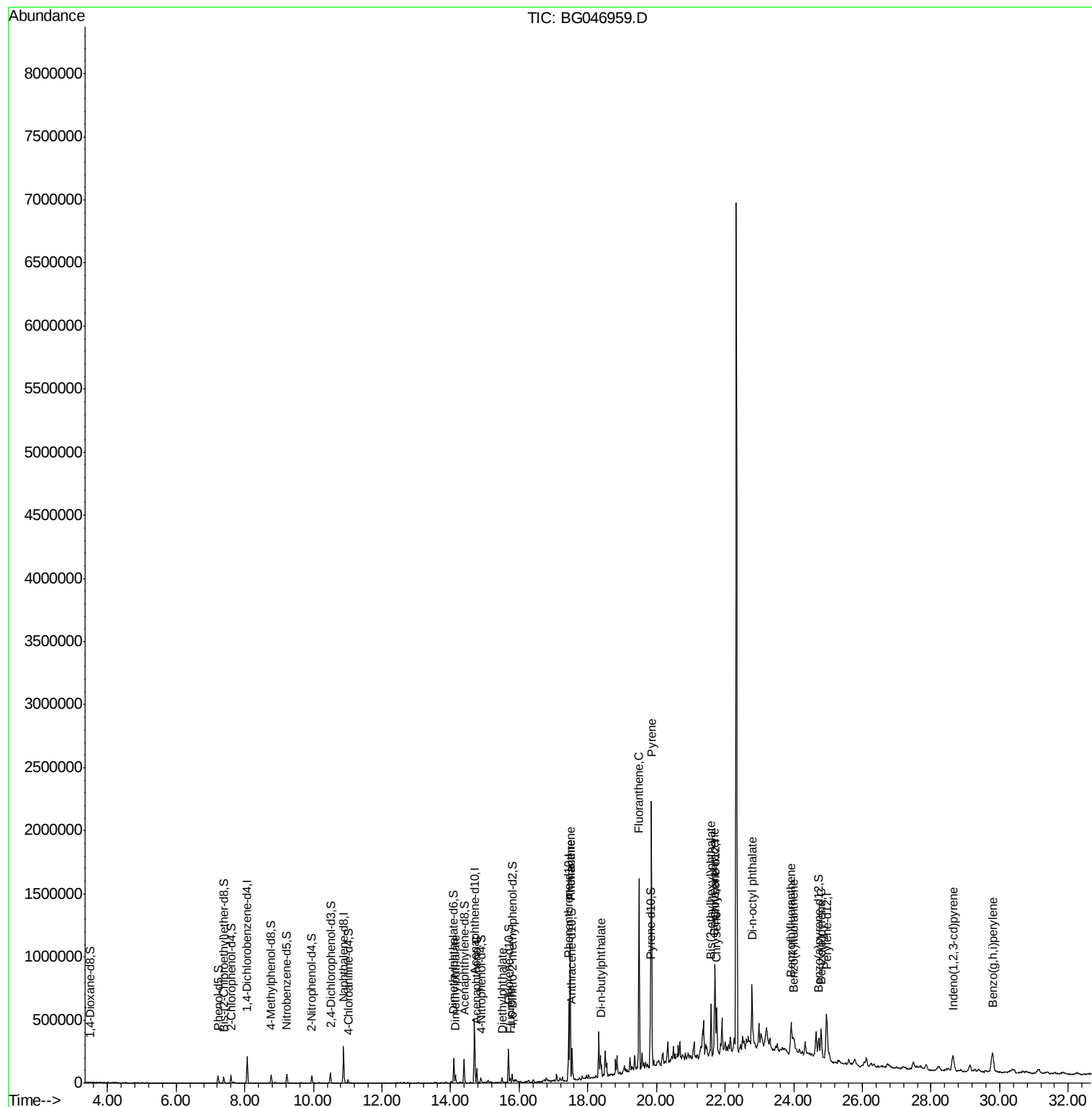
					Ovalue
45) Dimethylphthalate	14.14	163	40667	2.710 ng/ul	99
50) Acenaphthene	14.76	153	46782	4.000 ng/ul	96
57) Diethylphthalate	15.50	149	17783	1.188 ng/ul#	92
59) Fluorene	15.74	166	17641	1.237 ng/ul	97
70) Phenanthrene	17.48	178	668221	30.382 ng/ul	99
72) Anthracene	17.48	178	668221	30.078 ng/ul	98
76) Di-n-butylphthalate	18.39	149	79315	3.398 ng/ul	99
77) Fluoranthene	19.49	202	957237	35.641 ng/ul	99
80) Pvrene	19.86	202	1434005	59.318 ng/ul	100
83) Benzo(a)anthracene	21.69	228	232141	9.416 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.59	149	161324	12.842 ng/ul	98
85) Chrysene	21.75	228	275717	11.591 ng/ul	98
87) Di-n-octyl phthalate	22.78	149	267023	13.355 ng/ul	100
88) Benzo(b)fluoranthene	23.92	252	323734	13.416 ng/ul	99
89) Benzo(k)fluoranthene	23.99	252	108844	4.677 ng/ul	99
91) Benzo(a)pyrene	24.80	252	266265	12.274 ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.64	276	141932	5.341 ng/ul	93
94) Benzo(g,h,i)perylene	29.80	276	338757	15.185 ng/ul	98

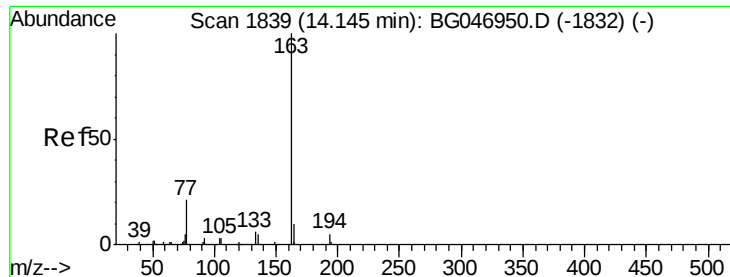
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 19 02:31:36 2020
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 2.710 ng/ul

RT: 14.14 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BG046959.D

Acq: 18 Oct 2020 3:45

Instrument :

BNA_G

ClientSampleId :

C0AP3DL

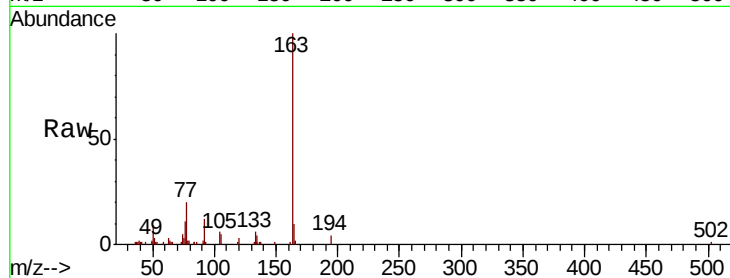
Tot Ion:163 Resp: 40667

Ion Ratio Lower Upper

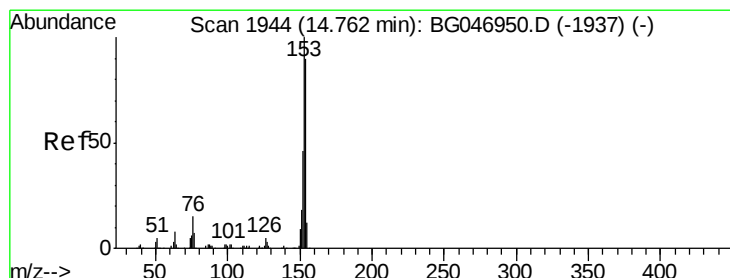
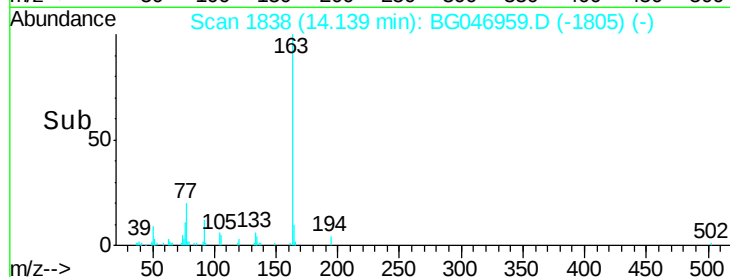
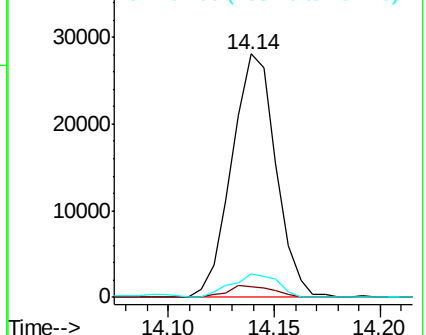
163 100

194 4.5 3.9 5.9

164 9.5 7.8 11.8



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



#50

Acenaphthene

Concen: 4.000 ng/ul

RT: 14.76 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BG046959.D

Acq: 18 Oct 2020 3:45

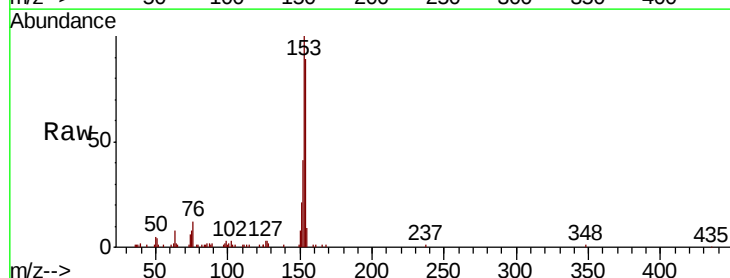
Tgt Ion:153 Resp: 46782

Ion Ratio Lower Upper

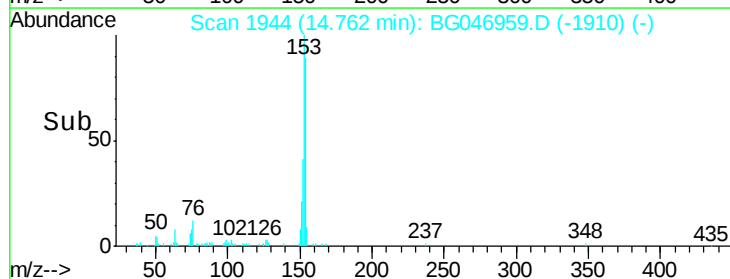
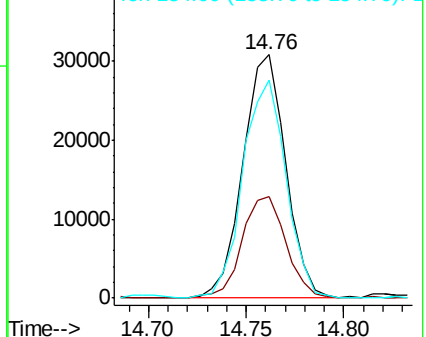
153 100

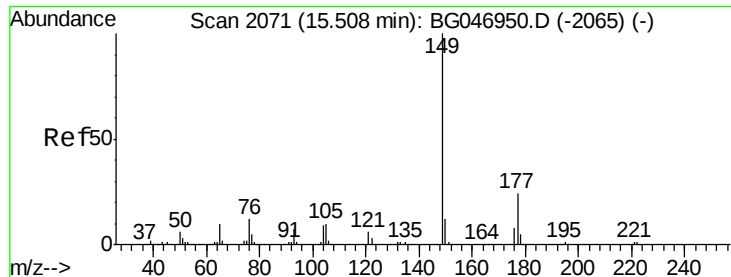
152 41.5 39.0 58.6

154 89.5 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

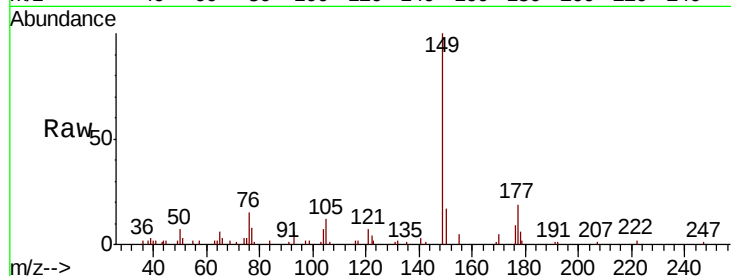




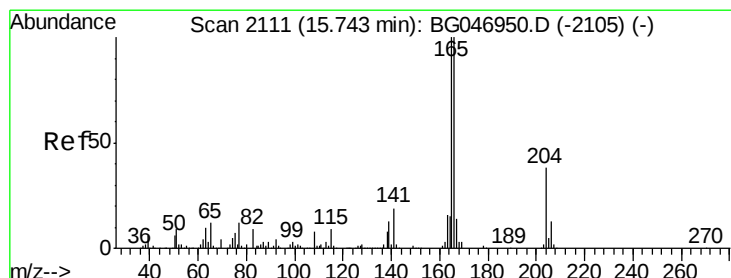
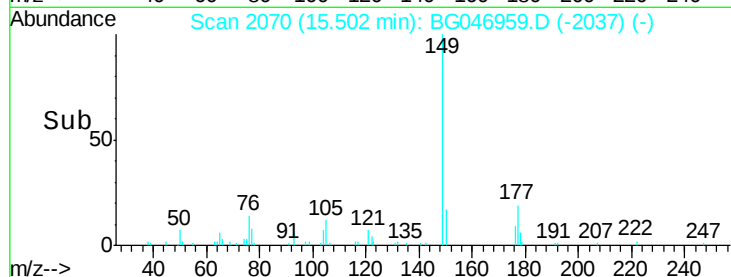
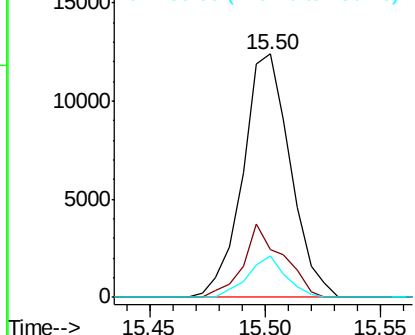
#57
Diethylphthalate
Concen: 1.188 ng/ul
RT: 15.50 min Scan# 2070
Delta R.T. -0.01 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

Instrument :
BNA_G
ClientSampleId :
C0AP3DL

Tot Ion:149 Resp: 17783
Ion Ratio Lower Upper
149 100
177 19.4 18.3 27.5
150 16.8 10.5 15.7#

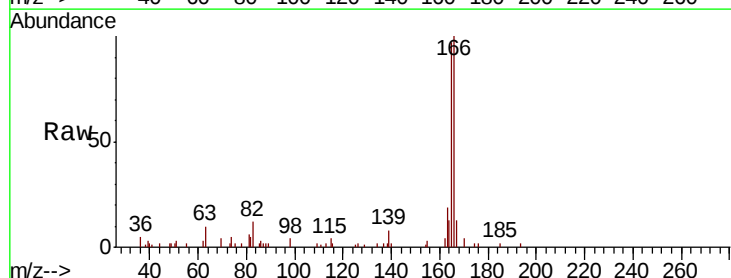


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

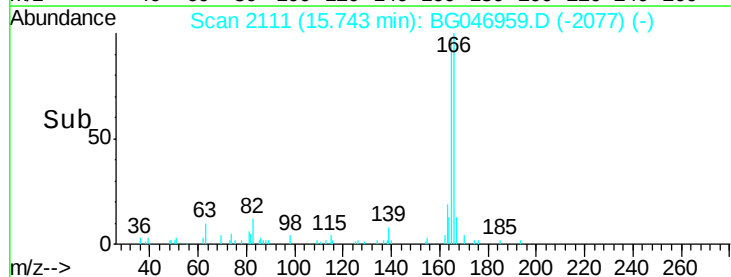
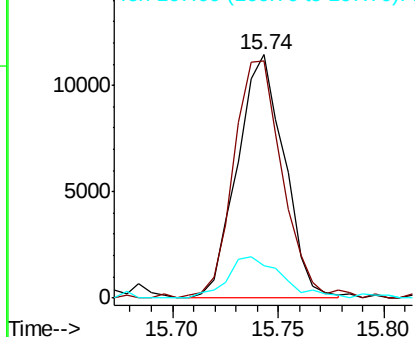


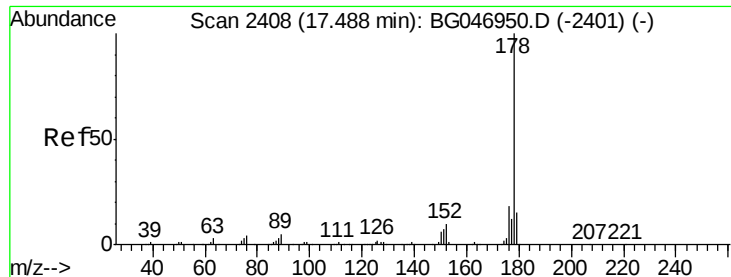
#59
Fluorene
Concen: 1.237 ng/ul
RT: 15.74 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

Tgt Ion:166 Resp: 17641
Ion Ratio Lower Upper
166 100
165 97.3 80.4 120.6
167 13.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 30.382 ng/ul

RT: 17.48 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG046959.D

Acq: 18 Oct 2020 3:45

Instrument :

BNA_G

ClientSampleId :

C0AP3DL

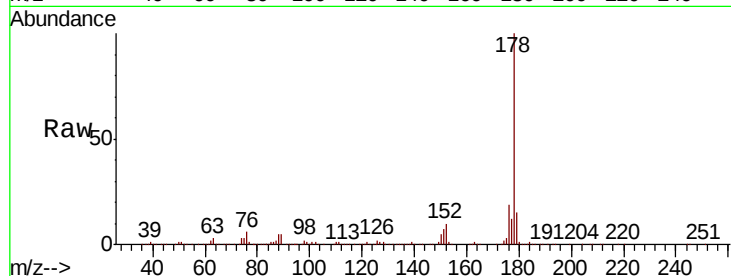
Tot Ion:178 Resp: 668221

Ion Ratio Lower Upper

178 100

179 14.9 12.5 18.7

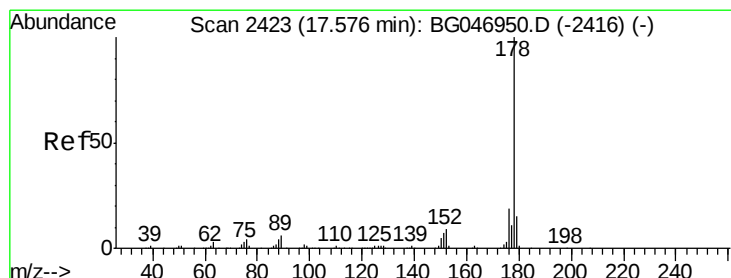
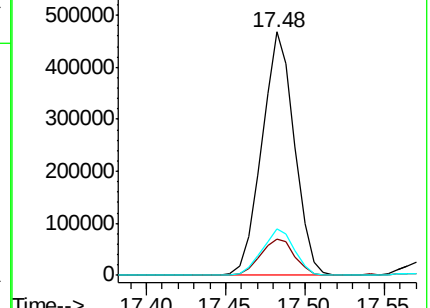
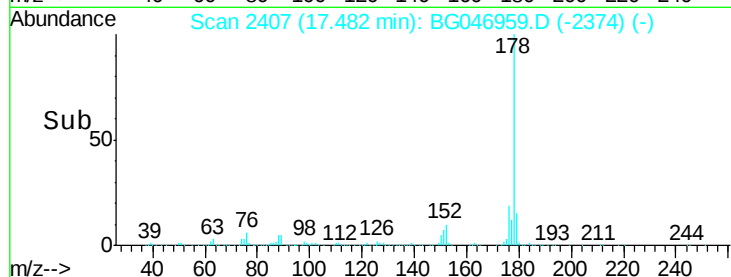
176 19.0 15.0 22.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 30.078 ng/ul

RT: 17.48 min Scan# 2407

Delta R.T. -0.09 min

Lab File: BG046959.D

Acq: 18 Oct 2020 3:45

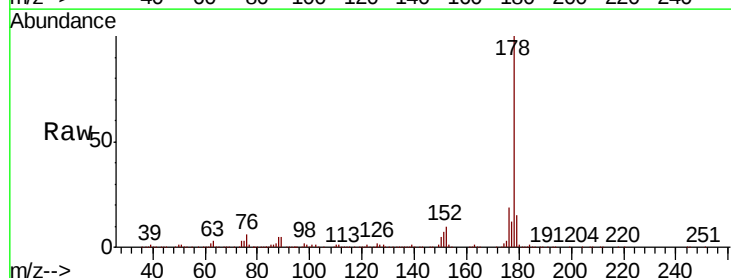
Tgt Ion:178 Resp: 668221

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.4

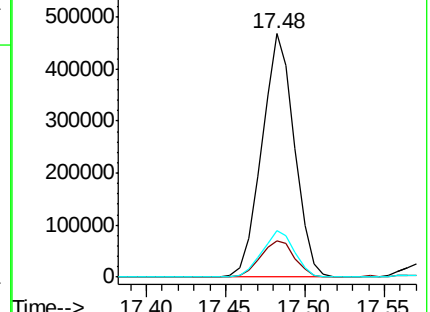
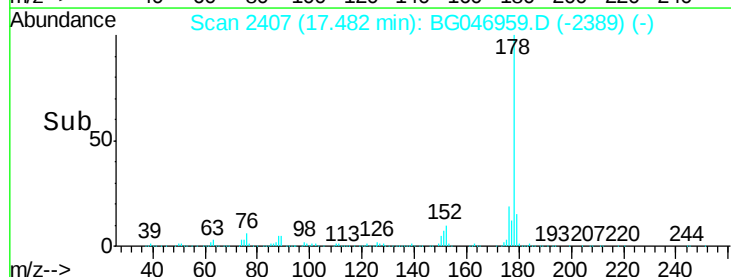
176 19.0 16.2 24.4

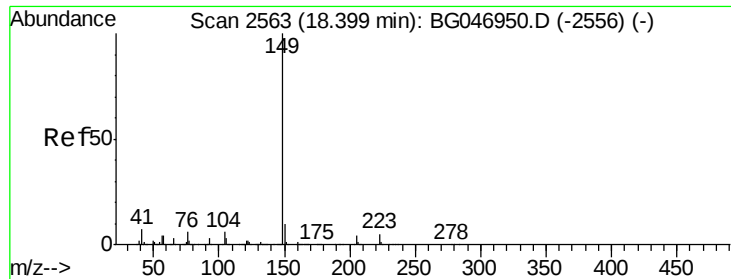


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

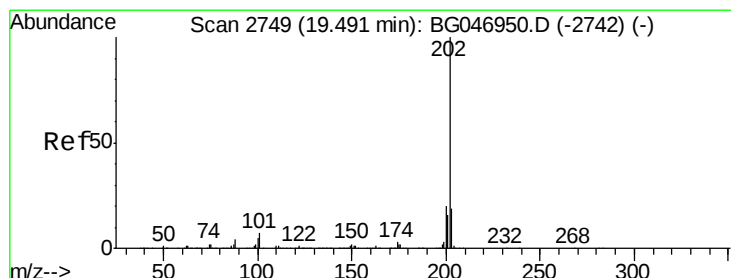
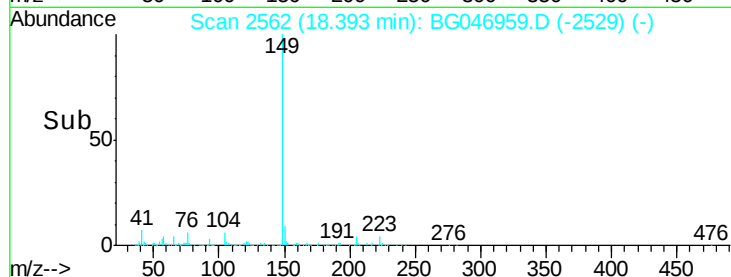
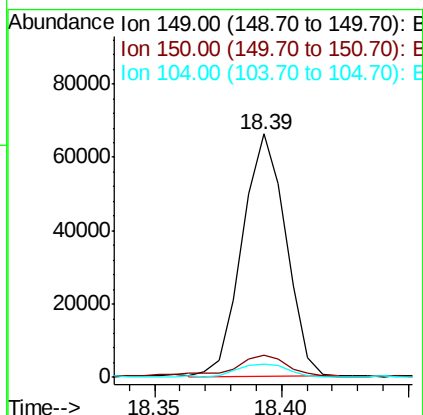
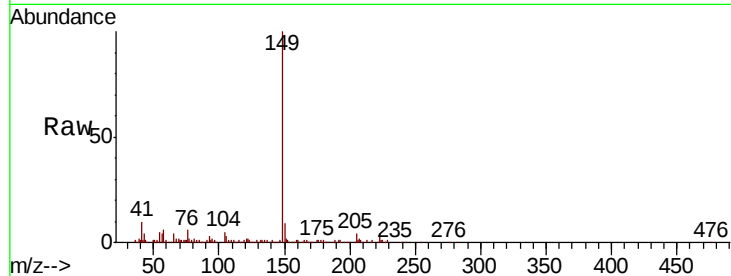




#76
Di-n-butylphthalate
Concen: 3.398 ng/ul
RT: 18.39 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

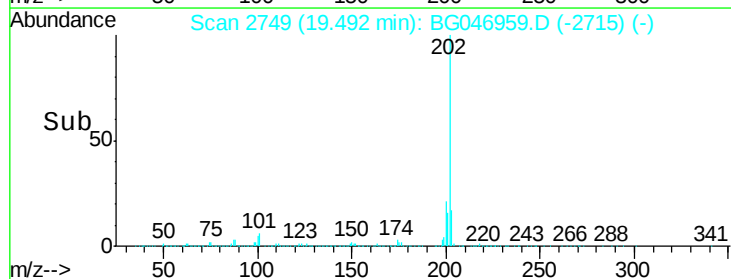
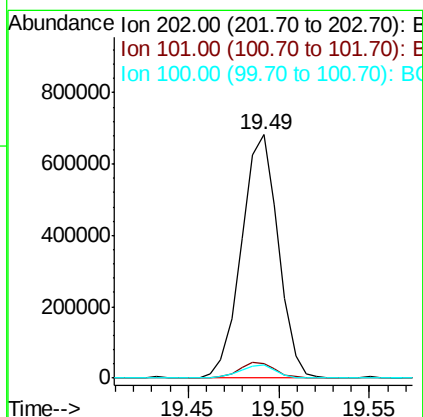
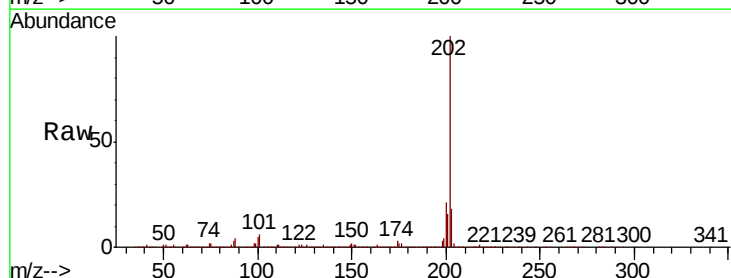
Instrument :
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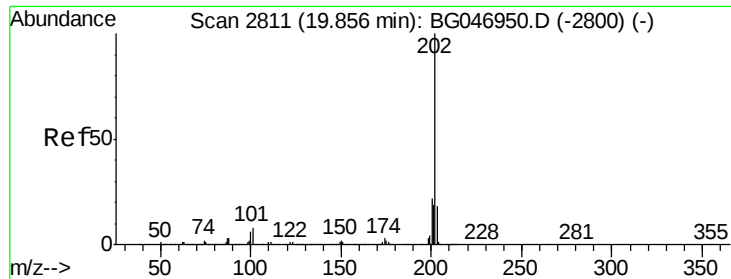
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.6	11.4
104	5.5	4.8	7.2



#77
Fluoranthene
Concen: 35.641 ng/ul
RT: 19.49 min Scan# 2749
Delta R.T. 0.00 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.1	4.9	7.3
100	5.3	4.6	6.8

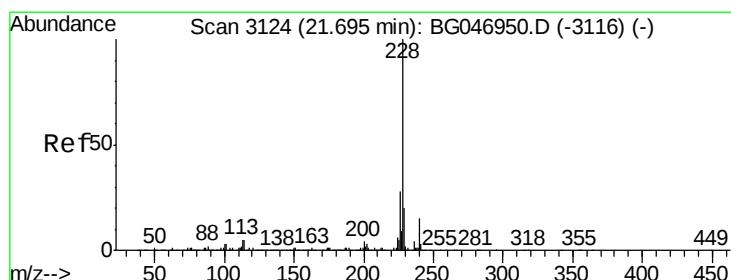
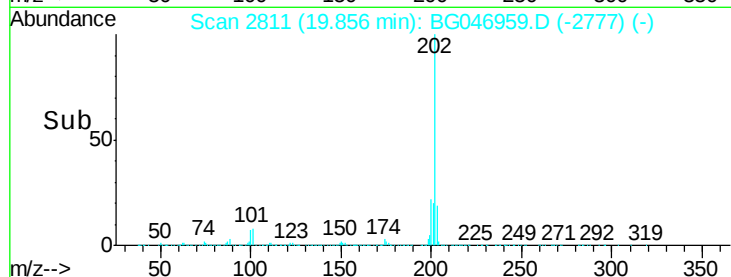
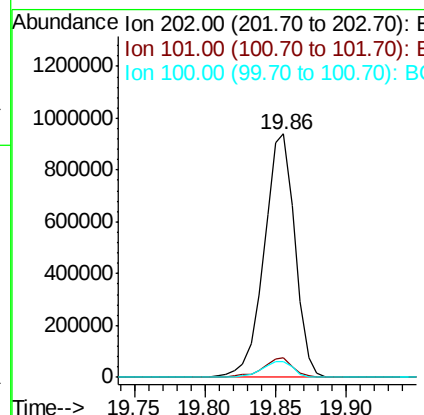
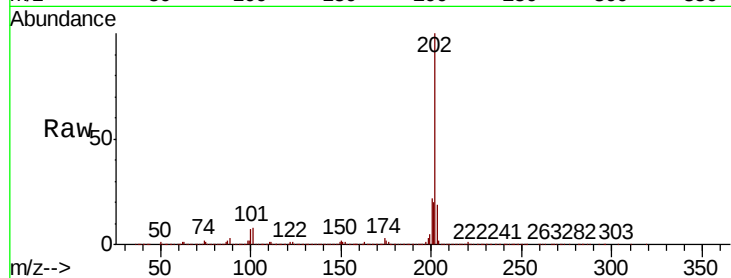




#80
Pvrene
Concen: 59.318 ng/ul
RT: 19.86 min Scan# 2811
Delta R.T. 0.00 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

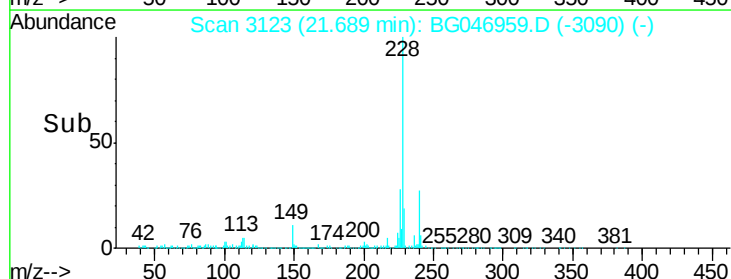
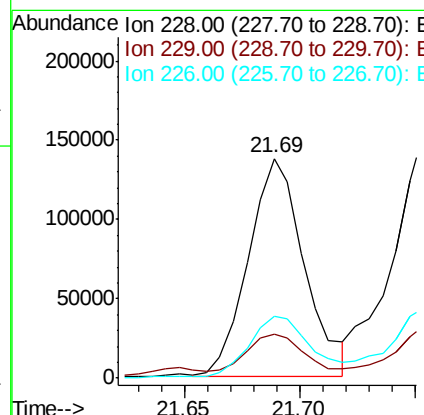
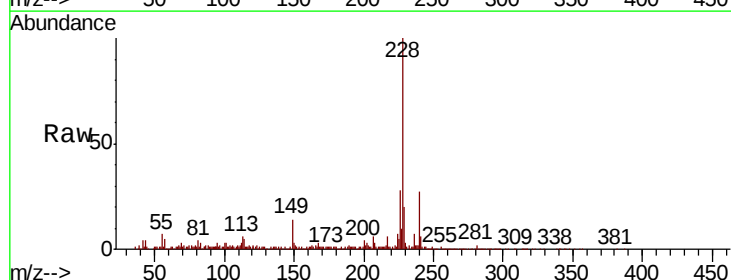
Instrument :
BNA_G
ClientSampleId :
C0AP3DL

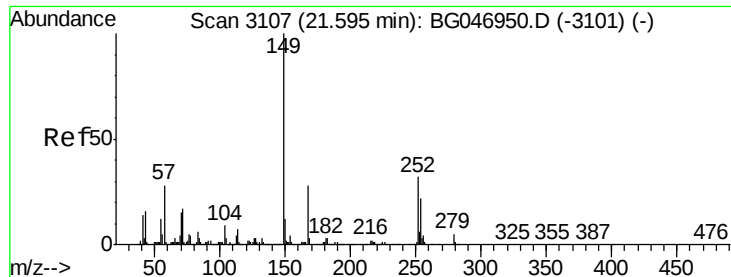
Tot Ion:202 Resp: 1434005
Ion Ratio Lower Upper
202 100
101 7.9 6.5 9.7
100 6.5 5.2 7.8



#83
Benzo(a)anthracene
Concen: 9.416 ng/ul
RT: 21.69 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

Tgt Ion:228 Resp: 232141
Ion Ratio Lower Upper
228 100
229 20.0 16.2 24.2
226 27.9 21.6 32.4

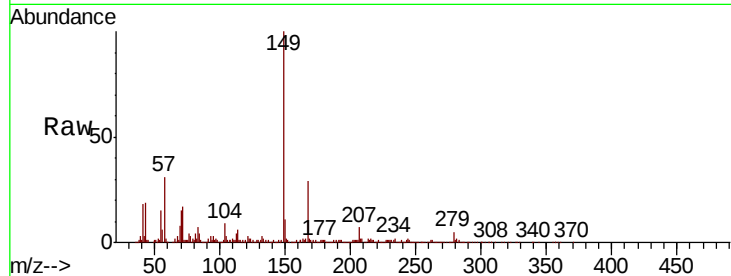




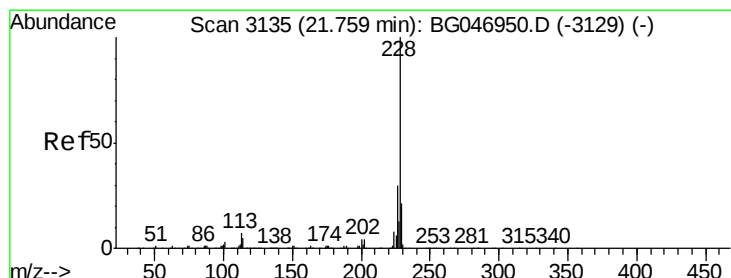
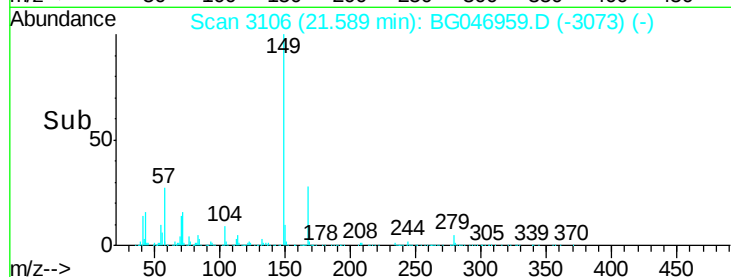
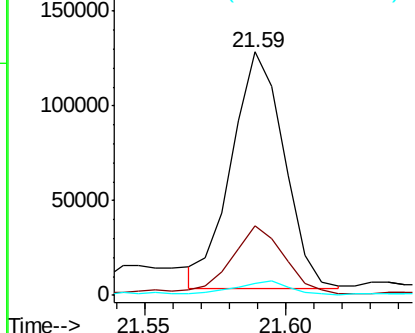
#84
Bis(2-ethylhexyl)phthalate
Concen: 12.842 ng/ul
RT: 21.59 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

Instrument :
BNA_G
ClientSampleId :
C0AP3DL

Tot Ion:149 Resp: 161324
Ion Ratio Lower Upper
149 100
167 28.5 23.7 35.5
279 4.7 4.6 7.0

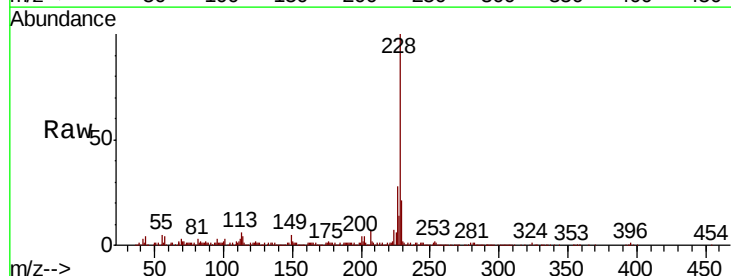


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

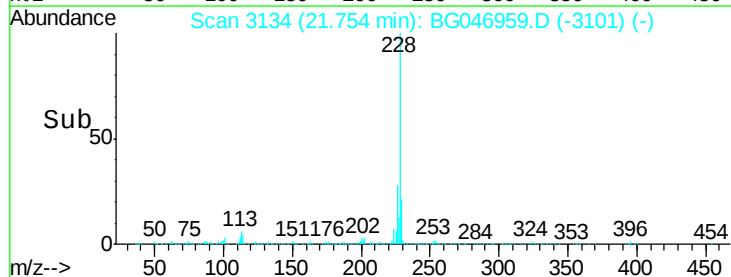
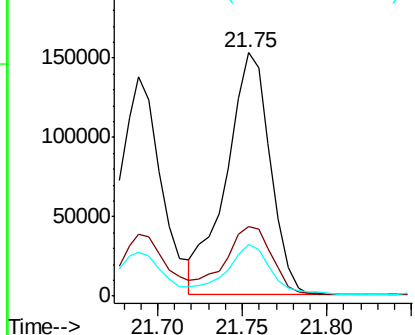


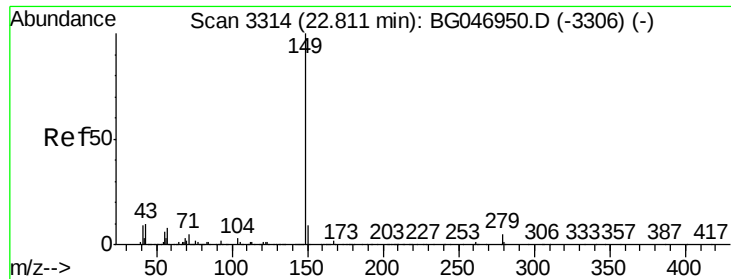
#85
Chrysene
Concen: 11.591 ng/ul
RT: 21.75 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

Tgt Ion:228 Resp: 275717
Ion Ratio Lower Upper
228 100
226 28.4 23.2 34.8
229 21.1 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Di-n-octyl phthalate

Concen: 13.355 ng/ul

RT: 22.78 min Scan# 3309

Delta R.T. -0.03 min

Lab File: BG046959.D

Acq: 18 Oct 2020 3:45

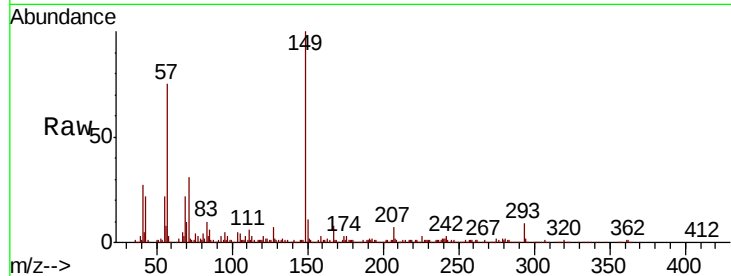
Instrument :

BNA_G

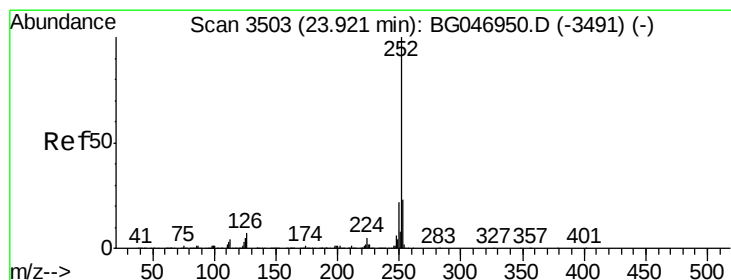
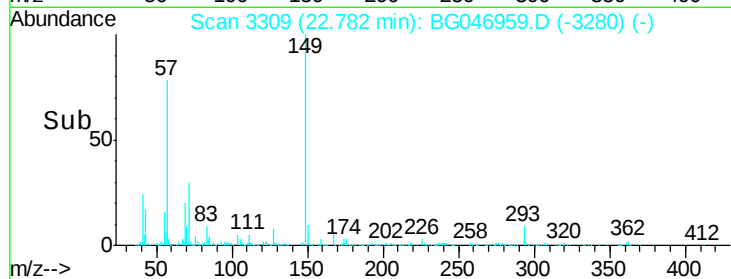
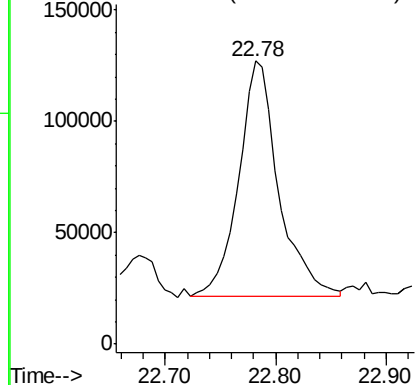
ClientSampleId :

C0AP3DL

Tgt Ion:149 Resp: 267023



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 13.416 ng/ul

RT: 23.92 min Scan# 3503

Delta R.T. 0.00 min

Lab File: BG046959.D

Acq: 18 Oct 2020 3:45

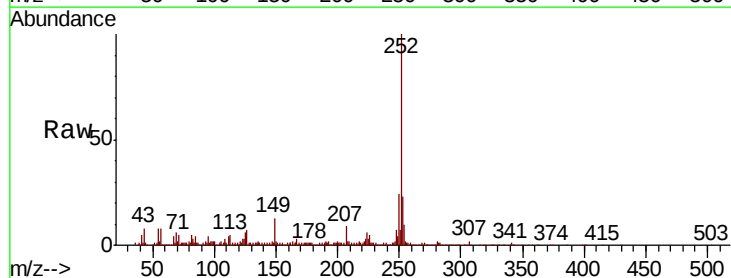
Tgt Ion:252 Resp: 323734

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

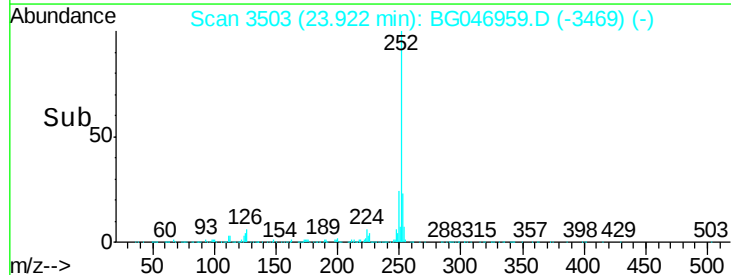
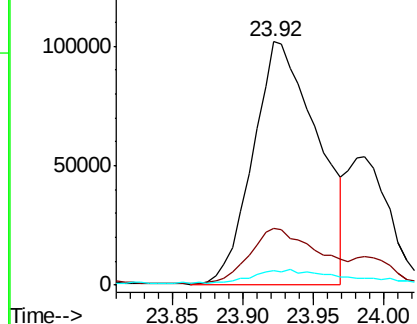
125 5.8 4.6 7.0

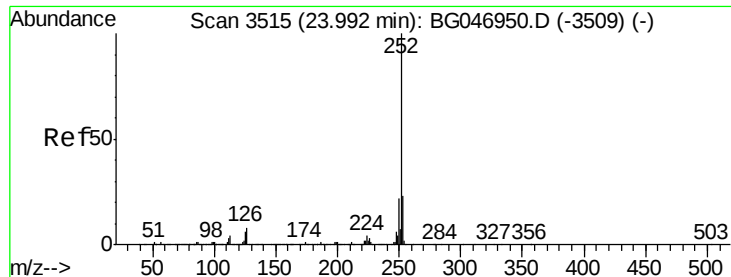


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.677 ng/ul

RT: 23.99 min Scan# 3514

Delta R.T. -0.01 min

Lab File: BG046959.D

Acq: 18 Oct 2020 3:45

Instrument :

BNA_G

ClientSampleId :

C0AP3DL

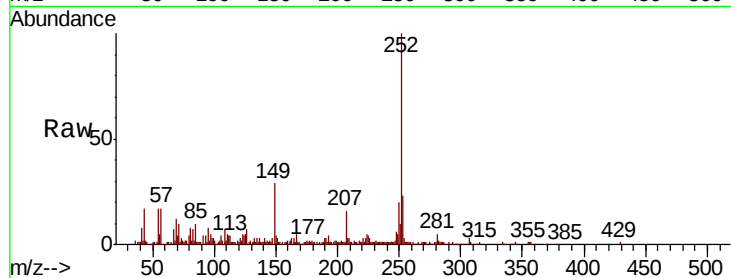
Tot Ion:252 Resp: 108844

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

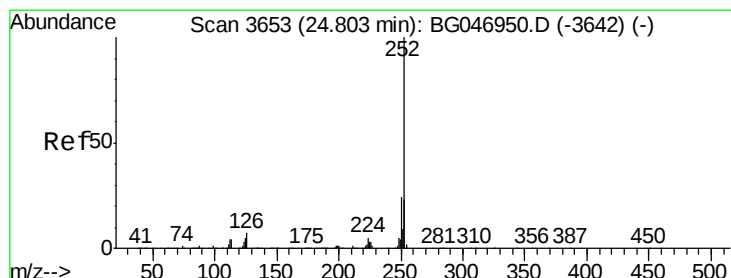
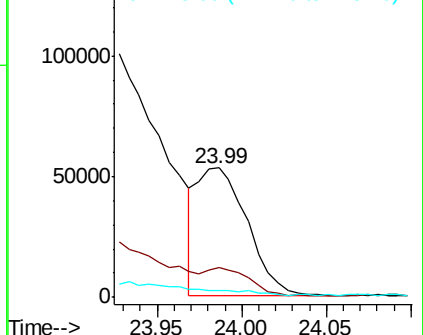
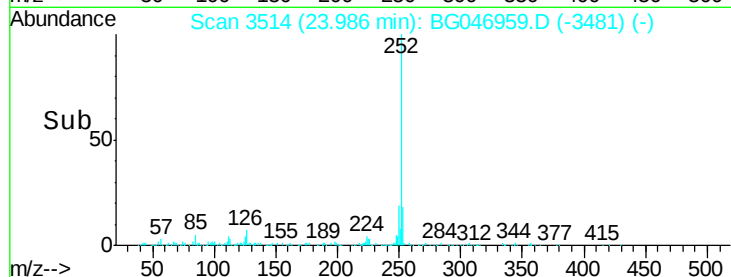
125 5.5 4.2 6.4



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



#91

Benzo(a)pyrene

Concen: 12.274 ng/ul

RT: 24.80 min Scan# 3653

Delta R.T. 0.00 min

Lab File: BG046959.D

Acq: 18 Oct 2020 3:45

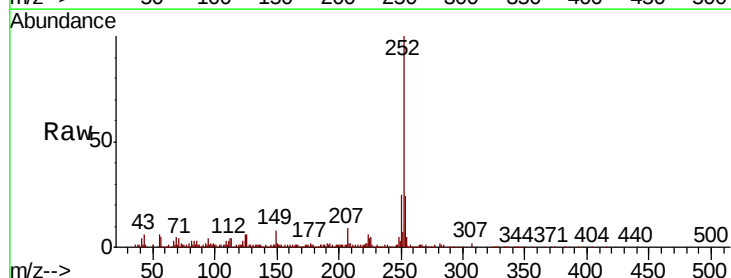
Tgt Ion:252 Resp: 266265

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

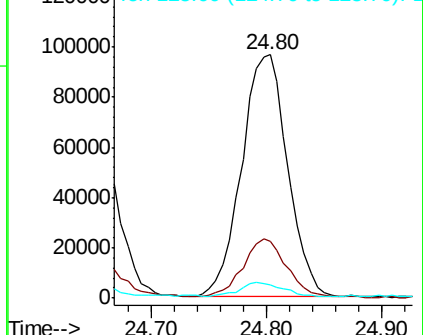
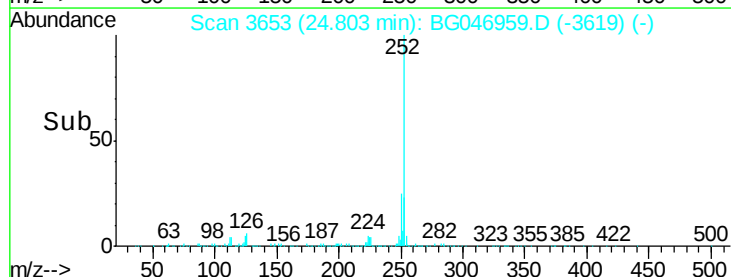
125 5.6 5.4 8.0

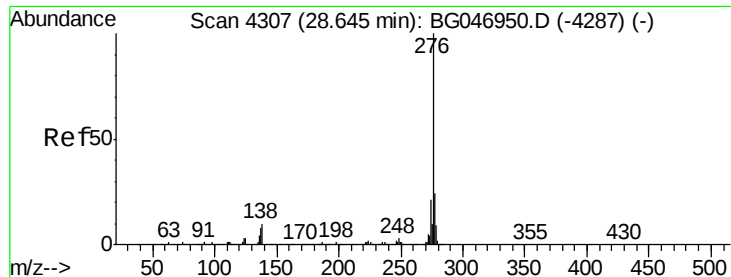


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



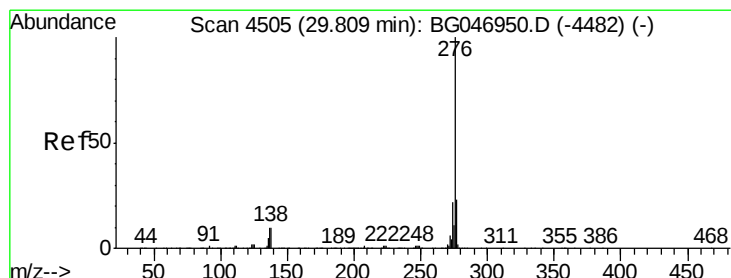
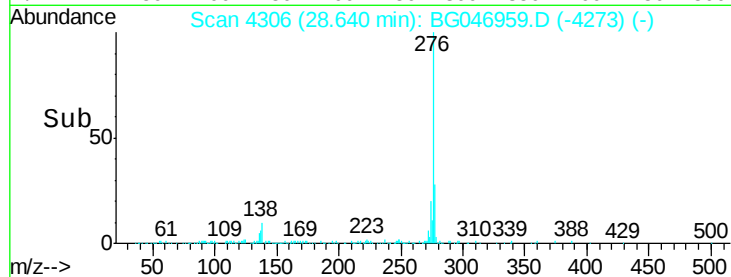
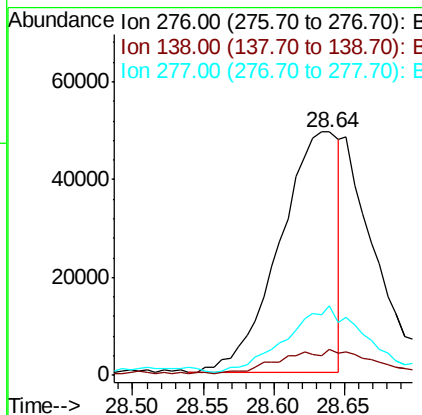
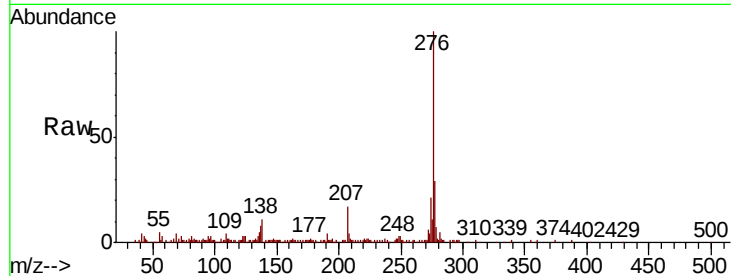


#92

Indeno(1,2,3-cd)pyrene
Concen: 5.341 ng/ul
RT: 28.64 min Scan# 4306
Delta R.T. -0.01 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

Instrument :
BNA_G
ClientSampleId :
C0AP3DL

Tot Ion:276 Resp: 141932
Ion Ratio Lower Upper
276 100
138 10.7 7.8 11.6
277 28.7 19.4 29.2



#94

Benzo(g,h,i)perylene
Concen: 15.185 ng/ul
RT: 29.80 min Scan# 4503
Delta R.T. -0.01 min
Lab File: BG046959.D
Acq: 18 Oct 2020 3:45

Tgt Ion:276 Resp: 338757
Ion Ratio Lower Upper
276 100
138 9.6 8.5 12.7
277 23.9 18.5 27.7

